Supplementary Material

Supplementary Material 1: Method

Data sources and gene sets associated with PCD

The regulatory genes associated with 14 distinct PCD patterns were collected from a range of sources, including the GeneCards database[1], the Kyoto Encyclopedia of Genes and Genomes (KEGG) database[2], the Molecular Signatures Database (MSigDB)[3], and various review articles[4–7]. An exhaustive set of 1,321 unique genes associated with 14 different PCD pathways has been identified. Specifically, 580 genes involved in apoptosis were identified, along with 52 in pyroptosis, 88 in ferroptosis, 368 in autophagy, 101 in necroptosis, 14 in cuproptosis, 24 in disulfidptosis, 9 in parthanatos, 15 in entotic cell death, 8 in netotic cell death, 220 in lysosome-dependent cell death, 7 in alkaliptosis, 6 in oxeiptosis, and 25 in zinc-dependent cell death. Detailed gene lists are provided in Table S3.

Sensitivity analysis

SNPs associated with QTLs ($P < 5.0 \times 10^{-8}$) were selected, and LD clumping was performed with an LD $r^2 < 0.1$ within 10,000 kb regions. IVs with an F statistic < 10 [$F = (beta/se)^2$] were deleted to minimize bias caused by weak instrumental factors. Additionally, to minimize the potential influence of reverse causation, Steiger filtering was utilized to identify and exclude SNPs that accounted for more variance in the outcome than in the exposure[8]. The association between each SNP and the outcome was calculated using the Wald ratio method. When multiple SNPs were available, their effects were aggregated using the inverse-variance weighting (IVW) method. We

utilized Cochran's Q test to evaluate effect heterogeneity. For the IVW method, a fixed-effects model was applied to combine the results when there was no heterogeneity, whereas a random-effects model was employed when heterogeneity was detected. Additionally, when three or more genetic instruments were available, the MR-Egger intercept test was used to assess directional horizontal pleiotropy, with a *P*-value < 0.05 indicating the presence of pleiotropy, rendering the association invalid.

Transcriptome-wide association studies analysis and gene analysis

Cross-tissue gene expression weights constructed using sparse canonical correlation analysis (sCCA) from the GTEx were utilized, enhancing statistical power by integrating signals across multiple tissues and offering an advantage over single-tissue TWAS[9]. Subsequently, the sCCA-TWAS test results were combined using the aggregate Cauchy association test (ACAT). Multi-marker analysis of genomic annotation (MAGMA, version 1.08) was applied to perform gene analysis of GWAS data, default parameters were used to aggregate SNP-level association statistics into gene scores, which quantified the degree of association between each gene and the phenotype.

Molecular docking

The drug candidates were evaluated by analysing binding energy and interaction patterns with their target proteins. Protein structure data were retrieved from the Protein Data Bank (PDB,

http://www.rcsb.org/) and Alphafold[10], with AlphaFold structures accessed through the UniProt database (https://www.uniprot.org/). Structure data for the drugs were sourced from the PubChem Compound database (https://pubchem.ncbi.nlm.nih.gov/). Prior to docking, all water molecules and unnecessary ligands were removed from the protein and ligand files, and polar hydrogen atoms were added. Subsequently, various conformations and their binding energy scores between the proteins encoded by the identified genes and the top 3 significant drugs were generated through molecular docking using AutoDock Vina 1.2.0[11]. Finally, PyMol 3.0.3 was used to visualize the docking results for compounds and proteins.

Supplementary Material 2: Results

Asthma

For overall asthma, the methylation level of cg14652403 (Beta = 0.822) was positively correlated with IDUA expression level, while increased IDUA expression level (Beta = 1.109) was linked to higher IDUA protein abundance, thereby increasing the disease risk (Table S16-S17). For non-allergic asthma, the methylation level of cg21080034 (Beta = -0.543) was inversely correlated with HSPA1B expression level, while an increase in HSPA1B expression level (Beta = -0.108) was linked to decreased HSPA1B protein abundance, which in turn reduced the disease risk (Table S16-S17).

COPD

For overall COPD, the methylation level of cg00192773 (Beta = -0.545) was inversely correlated with MAPK3 expression level, while an increase in MAPK3 expression level (Beta = 0.315) was linked to reduced MAPK3 protein abundance, ultimately lowering disease risk (Table S16-S17). With regard to COPD in never-smokers, genetically predicted methylation level of cg23731805 (Beta = -0.801) was inversely associated with ERBB3 expression level, whereas the methylation level of cg17843101 (Beta = 0.483) was positively correlated with ERBB3 expression level. Elevated ERBB3 expression level (Beta = 0.397) was associated with increased ERBB3 protein abundance, which was inversely linked to disease risk. However, no significant relationships were identified between cg10869879, cg00907267, and ERBB3 expression level (Table S16-S17).

Lung function parameters

In the context to FEV1, genetically predicted methylation levels of cg07935886 (Beta = 0.100), cg01074584 (Beta = 0.103), cg00000321 (Beta = 0.121), and cg14824386 (Beta = 0.109) were positively associated with SFRP1 expression level, while elevated SFRP1 expression level (Beta = 0.397) was linked to increased SFRP1 protein abundance, subsequently associated with a reduction in FEV1. However, no significant relationships were observed between cg03133371, cg10406295, cg14904908, and SFRP1 expression level (Table S16-S17). For FEV1/FVC, genetically predicted elevated methylation level of cg15321288 (Beta = 0.517) was linked to increased FGFR1 expression level, whereas elevated FGFR1 expression level (Beta = 0.244) was associated with higher FGFR1 protein abundance. However, no significant relationships were identified between cg12614213, cg24828864, and FGFR1 expression level (Table S16-S17).

Table S1. Detailed information of included GWAS

Exposure/Outcome	Consortium/Author	Participants	Pubmed ID/Web source
pQTL	Ferkingstad et al.	35,559 Icelanders	34857953
	Pietzner et al.	10708	34648354
	Sun BB et al.	3301	29875488
eQTL	eQTLGen Consortium	31,684 individuals (majority of samples were of European)	https://www.eqtlgen.org/cis-eqtls.html
	The Genotype-Tissue Expression project	755 individuals (majority of samples were of European)	https://gtexportal.org/home/downloads/adult-gtex/overview
Lung tissue eQTL	The Genotype-Tissue Expression project	578 individuals (majority of samples were of European)	https://gtexportal.org/home/downloads/adult-gtex/overview
mQTL	Hatton et al. 2024	3,701 European individuals	34475573
	Hatton et al. 2018	1175 European individuals	30401456
Overall asthma	Lee Lab	26,167 European cases and 373,887 European controls	https://www.leelabsg.org/resources
Allergic asthma	The FinnGen study R11	11.867 European cases and 248,261 European controls	https://www.finngen.fi/fi
Non-allergic asthma	The FinnGen study R11	8,505 European cases and 238,922 European controls	https://www.finngen.fi/fi
Overall COPD	Global Biobank Meta-analysis Initiative (GBMI)	58,559 European cases and 937,358 European controls	36777996
COPD in ever smokers	The UK Biobank study	12,446 European cases and 59,145 European controls	33106845
COPD in never smokers	The UK Biobank study	8,631 European cases and 120,544 European controls	33106845
FVC	Nick Shrine et al.	400,102 European individuals	30804560
FEV1	Nick Shrine et al.	400,102 European individuals	30804560
FEV1/FVC	Nick Shrine et al.	400,102 European individuals	30804560
PEF	Nick Shrine et al.	400,102 European individuals	30804560

QTL, quantitative trait loci; COPD, chronic obstructive pulmonary disease; FVC,forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow

Table S2: STROBE-MR checklist of recommended items to address in reports of Mendelian randomization studies

Item No.	Section		Checklist item	Page No.	Relevant text from manuscript
1	**TITLE and ABSTRACT**		Indicate Mendelian randomization (MR) as the study's design in the title and/or the abstract if that is a main purpose of the study	1-2	Abstract
	INTRODUCTION				
2	**Background**		Explain the scientific background and rationale for the reported study. What is the exposure? Is a potential causal relationship between exposure and outcome plausible? Justify why MR is a helpful method to address the study question	2-4	Lines: 47-83
3	**Objectives**		State specific objectives clearly, including pre-specified causal hypotheses (if any). State that MR is a method that, under specific assumptions, intends to estimate causal effects	3-4	Lines: 71-83
	METHODS				
4	**Study design and data sources**		Present key elements of the study design early in the article. Consider including a table listing sources of data for all phases of the study. For each data source contributing to the analysis, describe the following:		
		a)	Setting: Describe the study design and the underlying population, if possible. Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection, when available.	4	Lines: 85-94, Figure 1
		b)	Participants: Give the eligibility criteria, and the sources and methods of selection of participants. Report the sample size, and whether any power or sample size calculations were carried out prior to the main analysis	4-5	Lines: 101-127, Table S1
		c)	Describe measurement, quality control and selection of genetic variants	5-6	Lines: 132-144
		d)	For each exposure, outcome, and other relevant variables, describe methods of assessment and diagnostic criteria for diseases	5	Lines: 112-127
		e)	Provide details of ethics committee approval and participant informed consent, if relevant		NA
5	**Assumptions**		Explicitly state the three core IV assumptions for the main analysis (relevance, independence and exclusion restriction) as well assumptions for any additional or sensitivity analysis	4, 6	Lines: 93-94, 146-149
6	**Statistical methods: main analysis**		Describe statistical methods and statistics used		

		a) Describe how quantitative variables were handled in the analyses (i.e., scale, units, model)	5-6	Lines: 132-144
		b) Describe how genetic variants were handled in the analyses and, if applicable, how their weights were selected		
		c) Describe the MR estimator (e.g. two-stage least squares, Wald ratio) and related statistics. Detail the included covariates and, in case of two-sample MR, whether the same covariate set was used for adjustment in the two samples		
		d) Explain how missing data were addressed		
		e) If applicable, indicate how multiple testing was addressed		
7	**Assessment of assumptions**	Describe any methods or prior knowledge used to assess the assumptions or justify their validity	6	Lines: 145-157
8	**Sensitivity analyses and additional analyses**	Describe any sensitivity analyses or additional analyses performed (e.g. comparison of effect estimates from different approaches, independent replication, bias analytic techniques, validation of instruments, simulations)	6-8	Figure 1; Lines: 145-157, 174-192
9	**Software and pre-registration**			
		a) Name statistical software and package(s), including version and settings used	5-9	Lines: 131-157, 174-220
		b) State whether the study protocol and details were pre-registered (as well as when and where)		NA
	RESULTS			
10	**Descriptive data**			
		a) Report the numbers of individuals at each stage of included studies and reasons for exclusion. Consider use of a flow diagram	4-6	Lines: 97-144; Figure 1; Table S1
		b) Report summary statistics for phenotypic exposure(s), outcome(s), and other relevant variables (e.g. means, SDs, proportions)	4-5	Lines: 97-130, Table S1
		c) If the data sources include meta-analyses of previous studies, provide the assessments of heterogeneity across these studies		NA
		d) For two-sample MR: i. Provide justification of the similarity of the genetic variant-exposure associations between the exposure and outcome samples ii. Provide information on the number of individuals who overlap between the exposure and outcome studies	6	Lines: 145-149

11	**Main results**			
		a) Report the associations between genetic variant and exposure, and between genetic variant and outcome, preferably on an interpretable scale	10-12	Lines: 231-283
		b) Report MR estimates of the relationship between exposure and outcome, and the measures of uncertainty from the MR analysis, on an interpretable scale, such as odds ratio or relative risk per SD difference	10-12	Lines: 231-283, Table S4-S12, S18-S26, S30-S38, Figure 2-6
		c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period		NA
		d) Consider plots to visualize results (e.g. forest plot, scatterplot of associations between genetic variants and outcome versus between genetic variants and exposure)		Figure 2-6
12	**Assessment of assumptions**			
		a) Report the assessment of the validity of the assumptions		Table S4-12, 18-26, 30-38
		b) Report any additional statistics (e.g., assessments of heterogeneity across genetic variants, such as I^2, Q statistic or E-value)		Table S5-S6, S8-S9, S11-S12, S19-S20, S22-S23, S25-S26, S31-S32, S34-S35, S37-S41
13	**Sensitivity analyses and additional analyses**			
		a) Report any sensitivity analyses to assess the robustness of the main results to violations of the assumptions	10-12	Lines: 231-304, Table S5-S6, S8-S9, S11-S15, S19-S20, S22-S23, S25-S29, S31-S32, S34-S35, S37-S41
		b) Report results from other sensitivity analyses or additional analyses		
		c) Report any assessment of direction of causal relationship (e.g., bidirectional MR)		
		d) When relevant, report and compare with estimates from non-MR analyses		NA
		e) Consider additional plots to visualize results (e.g., leave-one-out analyses)		NA
	DISCUSSION			
14	**Key results**	Summarize key results with reference to study objectives	14	Lines: 341-353
15	**Limitations**	Discuss limitations of the study, taking into account the validity of the IV assumptions, other sources of potential bias, and imprecision. Discuss both direction and magnitude of any potential bias and any efforts to address them	17-18	Lines: 435-447
16	**Interpretation**			

		a) Meaning: Give a cautious overall interpretation of results in the context of their limitations and in comparison with other studies	15-17	Lines: 354-427
		b) Mechanism: Discuss underlying biological mechanisms that could drive a potential causal relationship between the investigated exposure and the outcome, and whether the gene-environment equivalence assumption is reasonable. Use causal language carefully, clarifying that IV estimates may provide causal effects only under certain assumptions		
		c) Clinical relevance: Discuss whether the results have clinical or public policy relevance, and to what extent they inform effect sizes of possible interventions		
17	**Generalizability**	Discuss the generalizability of the study results (a) to other populations, (b) across other exposure periods/timings, and (c) across other levels of exposure	17	Lines: 436-438
	OTHER INFORMATION			
18	**Funding**	Describe sources of funding and the role of funders in the present study and, if applicable, sources of funding for the databases and original study or studies on which the present study is based	19	Lines: 474-175
19	**Data and data sharing**	Provide the data used to perform all analyses or report where and how the data can be accessed, and reference these sources in the article. Provide the statistical code needed to reproduce the results in the article, or report whether the code is publicly accessible and if so, where	19	Lines: 476-478
20	**Conflicts of Interest**	All authors should declare all potential conflicts of interest	18	Lines: 458-459

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Table S3. Detailed gene lists for 14 distinct PCD patterns

Apoptosis	Pyroptosis	Ferroptosis	Autophagy	Necroptosis	Cuproptosis	Disufidptosis	Parthanatos	Entotic cell death	Netotic cell death	Lysosome-dependent cell death	Alkaliptosis	Oxeiptosis	Zinc-dependent cell death
AATF	BAKL	ABCCI	ABL1	GLUD1	FDX1	GYS1	PARP	AMPK	ELANE	ABCA2	IKBKB	PGAM5	SLC39A1
ABLI	BAX	ACACA	ABL2	GLUD2	LIAS	NDUFS1	MIF	ATG5	MMP1	ABCB9	NFKB1	KEAPI	SLC39A2
ACAA2	CASP1	ACO1	ACER2	ALOX15	LIPT1	OXSM	AIFM1	ATG7	MPO	ACP2	CA9	AIFM1	SLC39A3
ACKR3	CASP3	ACSF2	ADRA1A	FTH1	DLD	LRPPRC	HSP70	BECN1	CAMP	ACP5	CHUK	NRF2	SLC39A4
ACVRI	CASP4	ACSL1	ADRB2	PYG	DLAT	NDUFA11	PAAN	CDC42	PADI4	ADGRE2	IKBKG	AIRE	SLC39A5
ACVKIB	CASP5	ACSL3	AKT1	CAPN1	PDHAI	NUBPL	ARH3	CDH1	EIPA	AGA	NFKBIA		SLC39A6
ADQRAI	CASP6	ACSL4	AMBRA1	CASP1	PDHB	NCKAP1	RNF146	CTNNA1	NCX1	AP1B1	RELA		SLC39A7
AFW	CASP8	ACSL5	ATF6	GLNA	MTF1	RPN1	ADPRHL2	CYBB	MIA	AP1G1			SLC39A8
4GT	CASP9	ACSL6	ATG101	BAX	GLS	SLC3A2	OGG1	MYH14		AP1M1			SLC39A9
AGTR2	CHMP2A	AIFM2	ATG13	BCL2	CDKN2A	SLC7A11		PI3KC3		AP1M2			SLC39A10
AIEM1	CHMP2B	AKR1C1	ATG14	FADD	GCSH	FLNA		RHOA		AP1S1			SLC39A11
AKT1	CHMP3	AKR1C2	ATG2A	RIPK1	ATP7A	FLNB		RNF146		AP1S2			SLC39A12
4XX.A6	CHMP4A	AKK1C3	ATG2B	TNF	ATP7B	MYH9		ROCK		AP1S3			SLC39A13
AFAFT	CHMP4B	ALOX12	ATG5	TNFRSF1A	SLC31AI	TLN1		RUBCN		AP3B1			SLC39A14
AFPLI	CHMP4C	ALOX15	ATG7	TRADD		ACTB		UVRAG		AP3B2			SLC30A1
AR	CHMP6	ALOX5	ATM	TRAF2		MYL6				AP3D1			SLC30A2
ARHGEF2	CHMP7	ATG5	ATP13A2	PPIA		MYH10				AP3M1			SLC30A3
ARLEIPS	CYCS	ATG7	ATP6V0A1	CAPN2		CAPZB				AP3M2			SLC30A4
AFMC10	ELANE	ATP5MC3	ATP6V0A2	HSP90A		DSTN				AP3S1			SLC30A5
ARRB2	GPX4	BACHI	ATP6V0B	IL1A		IQGAP1				AP3S2			SLC30A6
ASAH2	GSDMB	CARS	ATP6V0C	TNFSF6		ACTN4				AP4B1			SLC30A7
ATF3	GSDMC	CBS	ATP6V0D1	TNFRSF6		PDLIM1				AP4E1			SLC30A8
ATF4	GSDMD	CD44	ATP6V0D2	CASP8		CD2AP				AP4MI			SLC30A9
ATM	GSDME	CHACI	ATP6V0E1	INK		INF2				AP4S1			SLC30A10
ATP2A1	GZMB	CISD1	ATP6V0E2	JAK2						ARF1			
ATP2A3	HMGB1	CP	ATP6V1A	CAMK2						ARL8B			
ATP5IFI	IL18	CRYAB	ATP6V1B1	IL1B						ARSA			
AVP	IL1A	CS	ATP6V1B2	IFNG						ARSB			
BAD	IL1B	CYBB	ATP6V1C1	STAT3						ARSG			
BAG3	IRF1	DPP4	ATP6V1C2	IRF9						ASAH1			
BAG5	IRF2	EMC2	ATP6V1D	TNFSF10						ATP10B			
BAG6	NLRC4	FADS2	ATP6V1E1	TNFRSF10A						ATP13A2			
AKL	NLRP1	FANCD2	ATP6V1E2	TNFRSF10B						ATP6AP1			
BA	NLRP2	FDFT11	ATP6V1G1	CFLAR						ATP6V0A1			
BBC3	NLRP3	FTH1	ATP6V1G2	XIAP						ATF6V0A2			
BCAP31	NLRP6	FTI	ATP6V1H	BID						ATP6V0A4			
BCL10	NLRP7	FTMT	AUP1	AIFM1						ATP6V0B			
CL2	NOD1	G6PD	BAD	TRPM7						ATP6V0C			
BCL2A1	PLCG1	GCLC	BAG3	IFNAR1						ATPGVOD1			
BCL2L1	PJVK	GCLM	BCL2	IFNAR2						ATPGVOD2			

BCL2L10	PRKACA	GLS2	BCL2L11	IFNGR1	ATP6V1H
BCL2L11	PYCARD	GOT1	BECN1	IFNGR2	BLK
BCL2L12	SCAF11	GPX4	BMF	TLR3	BLOC1S1
BCL2L14	TINAP	GSS	BNIP3	TIRP	BLOC1S2
BCL2L2	TNF	HMGCR	BNIP3L	IFNA	BORCS5
BCL3	TP53	HMOX1	BOK	IFNB	BORCS6
BCLAF1	TP63	HSBP1	C9orf72	TRIE	BTK
BDKRB2	AIM2	HSPB1	CALCOCO2	VDAC1	C12orf4
BDNF	GSDMA	IREB2	CAMKK2	SLC25A4S	CBL
BECN1	IL6	KEAP1	CAPN1	PPID	CD164
BID	NOD2	LPCAT3	CAPNS1	CYLD	CD300A
BIK	TIRAP	MAPILC3A	CASP1	RIPK3	CD63
BIRC6		MAPLLC3B	CASP3	MLKL	CD68
BLOC1S2		MAPILC3C	CDC37	TRAF5	CD84
BMF		MI1G	CDK5	TLR4	CHGA
BMP4		NCOA4	CDK5R1	RBCK1	CLN3
BMP5		NFE2L2	CHMP4A	HMGB1	CLN5
BMFRIB		NFS1	CHMP4B	JAK1	CLNK
BMIP3		NOX1	CISD2	JAK3	CLTA
BNIP3L		NQO1	CLEC16A	TYK2	CLTB
BOK		NRF2	CLN3	STAT1	CLIC
BRCAI		OTUB1	CLU	STAT2	CLTCL1
BRCAI		PCBP1	CPTP	STAT4	CLU
BRSK2		PCBP2	CSNK2A2	STAT5A	CPLX2
BIK		PEBP1	CTSA	STAT5B	CTNS
CAAP1		PGD	CTTN	STAT6	CTSA
CASP1		PHKG2	DAP	H2A	CTSB
CASP10		PRNP	DAPK1	TNFAIP3	CTSC
CASP12		PROM2	DAPK2	RNF31	CTSD
CASP2		PTGS2	DAPK3	CHMP2A	CTSE
CASP3		RPL8	DAPL1	CHMP2B	CTSF
CASP4		SATI	DCN	VPS24	CISG
CASP5		SAT2	DDIT3	CHMP4A	CTSH
CASP8		SLC11A2	DDRGK1	CHMP4B	CTSK
CASP8AP2		SLC1A5	DEPDC5	CHMP6	CTSL
CASP9		SLC39A14	DEPP1	VPS4	CTSO
CAV1		SLC39A8	DHRSX	CHMP1	CTSS
CCAR2		SLC3A2	DNMIL	CHMP5	CTSV
CCK		SLC40A1	DRAM1	SMPD1	CTSW
CD14		SLC7A11	DRAM2	PYCARD	CTSZ
CD24		SQLE	EEF1AI	NLRP3	DEF8
CD27		STEAP3	EEF2AI	ZBP1	DNASE2

CD28
CD38
CD3E
CD44
CD5
CD70
CD74
CDIP1
CDKNIA
CDKN2D
CEBPB
CFLAR
CHAC1
CHCHD10
CHEK2
CIB1
CIDEB
CLU
COA8
COL2A1
CRADD
CREB3
CREB3LI
CRH
CRIP1
CSF2
CSNK2A1
CSNK2A2
CTH
CTNNA1
CTSC
CTTN
CULI
CUL2
CUL3
CUL4A
CUL5
CX3CL1
CX3CR1
CKCL12
CYLD
CYP1B1
TF
TFRC
TP53
VDAC2
VDAC3
ZEB1
EIF2AK4
EIF4G1
EIF4G2
ELAPOR1
EP300
EPM2A
ERCC4
ERN1
EXOC1
EXOC4
EX0C7
EXOC8
FBXL2
FBXO7
FBXW7
FEZ1
FEZ2
FLCN
FOXK1
FOXK2
FOXO1
FOX03
FTH1
FTL
FYCO1
FZD5
GAPDH
GATA4
GBA
GFAP
GNAI3
GOLGA2
GPR137
GPR137B
GPSM1
GSK3A
CSK3B
HAX1
HDAC6
HERC1
HGF
HIF1A
IL33
FTL
SQSTM1
VDAC2
VDAC3
CHMP7
PGAM5
BIRC2
BIRC3
EIF2AK2
PLA2G4
DNM1L
SPATA2
FAF1
SHARPIN
NOX2
USP21
PARP1
CHMP4C
DNASE2B
ENTPD4
FAM98A
FER
FES
FGR
FLCN
FOXF1
FTH1
FTL
FUCAl
CAA
GAB2
GALC
GALNS
GATA2
GBA
GCC2
GGA1
GGA2
GGA3
GLA
GLB1
GM2A
GNPTAB
GNPTG
GNS
GUSB
HDAC6
HEXA
HEXB
HGS
HGSNAT
HMOX1
HPS6
HSPA8
HYAL1
IDS
IDUA
IGF2R
IL13
IL13RA2

DAB2IP
DAP
DAP3
DAPK1
DAPK2
DAPK3
DAPL1
DAXX
DBH
DCC
DDIAS
DDIT3
DDIT4
DDX3X
DDX47
DDX5
DEDD
DEDD2
DELE1
DEPTOR
DIABLO
DIDO1
DNAJA1
DNAJ10
DNM1L
DPF2
DYRK2
E2F1
E2F2
EDA2R
EIF2AK3
ELL3
ENO1
EP300
EPHA2
EPO
ERBB3
ERCC6
ERN1
ERN2
ERO1A
ERP29
HMGB1
HMOX1
HSP90AA1
HSPA8
HSPB1
HSPB8
HTR2B
HTRA2
HTT
HUWE1
IFI16
IFNG
IKBKG
IL10
IL10RA
IL4
IRGM
ITPR1
KAT5
KAT8
KDM4A
KDR
KEAP1
KIF25
KLHL22
KLHL3
LACRT
LAMP1
LAMP2
LAMP3
LAMTOR1
LAMTOR2
LAMTOR3
LAMTOR4
LAMTOR5
LARP1
LEP
LEPR
LGALS8
LRRK2
LRSAM1
LZTS1
II4
IL4R
KIF1B
KIT
KXD1
LAMP1
LAMP2
LAMP3
LAMTOR1
LAPTM4A
LAPTM4B
LAPTM5
LAT
LAT2
LGALS9
LGMN
LIPA
LRRK2
LYN
MM6PR
MAN2B1
MANBA
MAP1LC3A
MAP6
MCOLN1
MFDS8
MILR1
MRGPRX2
MT3
MYH9
NAGA
NAGLU
NAGPA
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EYA3
EYA4
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FGB
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FGFR1
FGFR3
FGG
FHIT
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FNIP2
FXN
FYN
FZD9
G0S2
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GATA4
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GDNF
GFRAL
GGCT
GHITM
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GNAI3
GPER1
GPX1
GRINA
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MAP1LC3B
MAP1LC3C
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MAPK15
MAPK3
MAPK8
MAPT
MCLI
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MTDH
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MTMR3
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MTMR9
MTOR
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NRBP2
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PARK7
PHB2
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PIP4K2B
PIP4P1
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PLA2G3
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PLEKHM2
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PPT2
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PASPL1
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PTGDS
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SPAG9
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STXBP1
STXBP2
SUMF1
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SYTL4

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RAB8A
RALB
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RB1CC1
RETREG1
RETREG3
RHEB
RIPK2
RMC1
TCIRG1
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TMEM106B
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VAMP7
VAMP8
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VPS33B
VPS4A
WASH3P
ZFYVE16

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IL4
IL6R
IL7
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ING2
ING5
INHBA
INHBB
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ITGA6
ITGAM
ITGAV
ITM2C
ITPR1
ITPRIP
IVNS1ABP
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JMY
JUN
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LGALS3
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NFE2L2
NGF
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TAB3
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TEIM38
TRIM5
TRIM6
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TRIM68
TRIM8
TRIML1
TRIML2
TSCl
TSC2

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N0L3
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NOS3
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NUPR1
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P2RX7
P4HB
PAK2
PAK5
PARK7
PARP1
PARP2
PAWR
PCGF2
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PDCD5
PDCD6
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PDK1
PDK2
PDPK1
PDX1
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PELI3
PERP
PF4
PHIP
PHLDA3
PIAS4
PIDD1
PIH1D1
PIK3R1
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UEQLN2
UBQLN4
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UFM1
ULK1
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USP13
USP30
USP33
USP36
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VPSI2D
VPSI3D
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VPS26B
VPS35
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WDR41
WDR6
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WDR81
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ZMPSTE24

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POLB
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PPIF
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PPP3R1
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PRKCD
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PRKN
PRKRA
PRODH
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PSMD10
PSME3
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PTGIS
PTH
PTPMT1
PTPN1
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PTPRC
PTPG1IP
PYCARD
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RACK1

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RB1
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RBCK1
RELA
RET
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RHOT2
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RNF186
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RTL10
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S100A9
SCG2
SCN2A
SCRT2
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SELENOS
SENP1
SEPTIN4
SERINC3
SERPINE1
SFN
SFPQ
SFRP1
SFRP2
SGMS1
SGPL1
SGPP1

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SHH
SHISA5
SIAH1
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SIRTI
SIVA1
SKIL
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SMLAD3
SNAI1
SNAI2
SNW1
SOD1
SOD2
SORT1
SP100
SRC
SRPX
SST
SSTR3
ST20
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STK3
STK4
STRADB
STX4
STYXL1
SYVNI
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TAF9B
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TERT
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TFDP2
TFBT
TGFB1
TGFB2

TGFBR1
THBS1
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TICAM2
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TIMP3
TLR3
TLR4
TM2D1
TMBIM1
TMBIM6
TMC8
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TMEM117
TMEM109
TMEM14A
TMEM161A
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TNFRSF10A
TNFRSF10B
TNFRSF10C
TNFRSF12A
TNFRSF1A
TNFRSF1B
TNFRSF25
TNFSF10
TNFSF12
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TP73
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TPT1
TRDD
TRAF1
TRAF2
TRAF7
TRAP1
TRIAP1
TRIB3

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TRIM39
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TYROBP
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UBB
UBE2K
UBE4B
UBQLN1
UMOD
UNC5B
URI1
USP28
USP47
VDAC2
VNN1
WDR35
WNT4
WWOX
XBP1
YAP1
YBX3
YWHAB
YWHAE
YWHAG
YWHAH
YWHAQ
YWHAZ
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ZDHHC3
ZMYND11
ZNF205
ZNF385A
ZNF385B
ZNF622
ZSWIM2

PCD, programmed cell death

Table S4. SMR analysis of associations between PCD-related gene methylation and asthma*

Outcome	Gene	probeID	topSNP	Beta	SE	OR (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
Overall asthma	ORMDL3	cg22144450	rs4795401	-0.177	0.022	0.84 (0.80, 0.87)	9.59E-16	1.60E-12	0.020	20
Overall asthma	ORMDL3	cg18711369	rs4065275	-0.104	0.013	0.90 (0.88, 0.92)	4.75E-16	1.60E-12	0.153	20
Overall asthma	ORMDL3	cg10909506	rs4065275	-0.107	0.013	0.90 (0.88, 0.92)	5.45E-16	1.60E-12	0.103	20
Overall asthma	GSDMB	cg10057218	rs7224129	-0.180	0.022	0.84 (0.80, 0.87)	1.07E-15	1.60E-12	0.807	20
Overall asthma	GSDMB	cg27435903	rs36095411	0.220	0.030	1.25 (1.17, 1.32)	1.73E-13	1.72E-10	0.744	20
Overall asthma	ORMDL3	cg19511844	rs12936231	0.285	0.041	1.33 (1.23, 1.44)	5.20E-12	4.42E-09	0.027	20
Overall asthma	IL13	cg04303330	rs1881457	-0.178	0.026	0.84 (0.80, 0.88)	2.02E-11	1.50E-08	0.030	20
Overall asthma	IL13	cg13566430	rs7700346	-0.215	0.032	0.81 (0.76, 0.86)	3.45E-11	2.28E-08	0.042	20
Overall asthma	CLEC16A	cg10390979	rs34306440	0.288	0.048	1.33 (1.21, 1.47)	2.90E-09	1.44E-06	0.853	20
Overall asthma	ERBB3	cg10869879	rs7955865	-0.183	0.036	0.83 (0.78, 0.89)	3.15E-07	9.05E-05	0.184	20
Overall asthma	ERBB3	cg23731805	rs705696	-0.167	0.033	0.85 (0.79, 0.90)	3.47E-07	9.37E-05	0.131	20
Overall asthma	FADS2	cg19610905	rs174553	0.054	0.011	1.06 (1.03, 1.08)	3.90E-07	9.66E-05	0.481	20
Overall asthma	FADS2	cg11250194	rs174544	0.060	0.012	1.06 (1.04, 1.09)	4.25E-07	1.01E-04	0.487	20
Overall asthma	GSDMA	cg10794714	rs4239225	-0.345	0.074	0.71 (0.61, 0.82)	3.12E-06	4.89E-04	0.026	20
Overall asthma	ERBB3	cg00907267	rs7955865	-0.297	0.065	0.74 (0.65, 0.84)	5.56E-06	8.06E-04	0.173	20
Overall asthma	GSDMB	cg12360886	rs2941519	-0.552	0.122	0.58 (0.45, 0.73)	6.33E-06	8.56E-04	0.144	20
Overall asthma	ERBB3	cg17843101	rs7971751	0.238	0.054	1.27 (1.14, 1.41)	1.13E-05	0.001	0.096	20
Overall asthma	FADS2	cg07005513	rs174544	0.251	0.058	1.29 (1.15, 1.44)	1.60E-05	0.002	0.438	20
Overall asthma	UNC13D	cg16354117	rs11870883	0.110	0.026	1.12 (1.06, 1.17)	1.73E-05	0.002	0.233	20
Overall asthma	FADS2	cg07591205	rs174544	-0.260	0.061	0.77 (0.68, 0.87)	1.83E-05	0.002	0.761	20
Overall asthma	CSF2	cg16465129	rs3916443	-0.219	0.052	0.80 (0.73, 0.89)	2.61E-05	0.003	0.258	20
Overall asthma	STK25	cg09289202	rs6757649	-0.034	0.008	0.97 (0.95, 0.98)	3.80E-05	0.004	0.529	20
Overall asthma	FADS2	cg01400685	rs968567	0.053	0.013	1.05 (1.03, 1.08)	4.98E-05	0.005	0.087	20
Overall asthma	FADS2	cg21709803	rs968567	0.051	0.013	1.05 (1.03, 1.08)	4.95E-05	0.005	0.057	20
Overall asthma	FADS2	cg00603274	rs968567	0.050	0.012	1.05 (1.03, 1.08)	4.92E-05	0.005	0.076	20
Overall asthma	FADS2	cg06781209	rs968567	0.046	0.011	1.05 (1.02, 1.07)	4.81E-05	0.005	0.064	20
Overall asthma	STAT5A	cg05117208	rs62076928	0.108	0.027	1.11 (1.06, 1.18)	7.66E-05	0.006	0.024	20
Overall asthma	IL6	cg13104385	rs1474347	0.037	0.009	1.04 (1.02, 1.06)	7.79E-05	0.006	0.697	20
Overall asthma	IL6	cg05265849	rs1474347	0.040	0.010	1.04 (1.02, 1.06)	7.91E-05	0.006	0.677	20
Overall asthma	IL6	cg05472934	rs1800795	0.052	0.013	1.05 (1.03, 1.08)	8.36E-05	0.007	0.603	20
Overall asthma	CSF2	cg16565692	rs3864277	-0.172	0.044	0.84 (0.77, 0.92)	9.36E-05	0.007	0.026	20
Overall asthma	STAT5B	cg18810026	rs62076928	0.132	0.034	1.14 (1.07, 1.22)	1.00E-04	0.008	0.020	20
Overall asthma	STAT5A	cg20388732	rs11079041	0.148	0.039	1.16 (1.08, 1.25)	1.24E-04	0.009	0.022	20
Overall asthma	FADS2	cg14911132	rs61897793	0.090	0.024	1.09 (1.05, 1.15)	1.30E-04	0.009	0.164	20
Overall asthma	SNX32	cg13467162	rs61895685	-0.134	0.035	0.87 (0.82, 0.94)	1.43E-04	0.010	0.183	20
Overall asthma	STAT5B	cg19465320	rs9889323	-0.167	0.044	0.85 (0.78, 0.92)	1.61E-04	0.011	0.255	20
Overall asthma	CDH1	cg09220040	rs16958383	-0.081	0.022	0.92 (0.88, 0.96)	1.63E-04	0.011	0.867	20
Overall asthma	GATA4	cg16810626	rs10101661	0.063	0.017	1.06 (1.03, 1.10)	1.74E-04	0.012	0.768	20
Overall asthma	BLK	cg04335815	rs2409797	-0.155	0.042	0.86 (0.79, 0.93)	1.87E-04	0.012	0.922	20
Overall asthma	TPCN2	cg16709353	rs11228494	-0.049	0.013	0.95 (0.93, 0.98)	1.92E-04	0.012	0.087	20

Overall asthma	IL4R	cg01165142	rs2057768	0.340	0.092	1.41 (1.17, 1.68)	2.04E-04	0.013	0.158	20
Overall asthma	CDH1	cg13920367	rs7184242	-0.057	0.015	0.94 (0.92, 0.97)	2.18E-04	0.014	0.166	20
Overall asthma	STAT5A	cg03001305	rs34129849	-0.188	0.051	0.83 (0.75, 0.92)	2.16E-04	0.014	0.143	20
Overall asthma	STAT5A	cg06357561	rs34129849	-0.201	0.055	0.82 (0.73, 0.91)	2.62E-04	0.016	0.178	20
Overall asthma	TPCN2	cg01403660	rs7948596	0.041	0.011	1.04 (1.02, 1.07)	2.81E-04	0.017	0.067	20
Overall asthma	SNX32	cg06678084	rs10791825	-0.205	0.056	0.81 (0.73, 0.91)	2.82E-04	0.017	0.100	20
Overall asthma	BLK	cg24861686	rs10097870	-0.103	0.028	0.90 (0.85, 0.95)	2.89E-04	0.017	0.666	20
Overall asthma	TPCN2	cg12152352	rs930785	0.052	0.014	1.05 (1.02, 1.08)	2.95E-04	0.017	0.117	20
Overall asthma	TPCN2	cg01993067	rs10896416	0.067	0.019	1.07 (1.03, 1.11)	3.18E-04	0.018	0.459	20
Overall asthma	ING5	cg11463903	rs6742813	-0.043	0.012	0.96 (0.94, 0.98)	3.51E-04	0.019	0.140	20
Overall asthma	FADS2	cg16576620	rs968567	0.243	0.069	1.28 (1.11, 1.46)	4.52E-04	0.024	0.277	20
Overall asthma	IDUA	cg14652403	rs3733345	0.107	0.031	1.11 (1.05, 1.18)	5.28E-04	0.028	0.252	20
Overall asthma	BCL3	cg26470501	rs8100197	0.099	0.029	1.10 (1.04, 1.17)	5.62E-04	0.029	0.606	20
Overall asthma	UNC13D	cg01430390	rs2410859	-0.071	0.021	0.93 (0.89, 0.97)	5.68E-04	0.029	0.075	20
Overall asthma	PPP2R1B	cg09085632	rs489783	-0.043	0.013	0.96 (0.93, 0.98)	5.77E-04	0.029	0.121	20
Overall asthma	P2RX4	cg20966272	rs3815990	-0.120	0.036	0.89 (0.83, 0.95)	7.06E-04	0.034	0.829	20
Overall asthma	PDLIM1	cg02338345	rs11599546	-0.111	0.033	0.90 (0.84, 0.95)	7.99E-04	0.038	0.669	20
Overall asthma	TNF	cg11484872	rs1041981	0.296	0.089	1.34 (1.13, 1.60)	8.28E-04	0.038	0.029	14
Overall asthma	UNC13D	cg14715778	rs2410859	0.146	0.044	1.16 (1.06, 1.26)	0.001	0.046	0.212	20
Overall asthma	GATA4	cg12637676	rs13278982	0.219	0.067	1.25 (1.09, 1.42)	0.001	0.047	0.865	20
Overall asthma	FADS2	cg07999042	rs61897793	-0.274	0.084	0.76 (0.64, 0.90)	0.001	0.050	0.238	10
Overall asthma	CASP8	cg20608990	rs6731120	0.062	0.019	1.06 (1.02, 1.11)	0.001	0.054	0.768	20
Overall asthma	FOXK1	cg06846441	rs3087749	-0.107	0.033	0.90 (0.84, 0.96)	0.001	0.054	0.892	13
Overall asthma	NCKAP1	cg09997497	rs112105579	-0.109	0.034	0.90 (0.84, 0.96)	0.001	0.055	0.089	20
Overall asthma	FOXK1	cg15176413	rs6973046	-0.070	0.022	0.93 (0.89, 0.97)	0.001	0.061	0.901	19
Overall asthma	FOXK1	cg20349812	rs6973046	-0.076	0.024	0.93 (0.88, 0.97)	0.001	0.062	0.920	19
Overall asthma	PPP2R1B	cg18213857	rs10789844	-0.040	0.013	0.96 (0.94, 0.98)	0.002	0.063	0.199	20
Overall asthma	FOXK1	cg26800803	rs6973046	-0.082	0.026	0.92 (0.88, 0.97)	0.002	0.063	0.859	17
Overall asthma	GATA4	cg24387126	rs12458	-0.059	0.019	0.94 (0.91, 0.98)	0.002	0.064	0.164	20
Overall asthma	GATA4	cg01644798	rs12458	-0.069	0.022	0.93 (0.89, 0.97)	0.002	0.066	0.141	20
Overall asthma	FOXK1	cg05117982	rs6973046	-0.092	0.029	0.91 (0.86, 0.97)	0.002	0.066	0.858	19
Overall asthma	MADD	cg23844623	rs4752978	-0.099	0.032	0.91 (0.85, 0.96)	0.002	0.066	0.105	20
Overall asthma	FOXK1	cg14582057	rs6973046	-0.103	0.033	0.90 (0.85, 0.96)	0.002	0.067	0.956	17
Overall asthma	CBL	cg22414151	rs11243	0.093	0.030	1.10 (1.04, 1.16)	0.002	0.067	0.087	16
Overall asthma	UNC13D	cg02627403	rs7210574	-0.040	0.013	0.96 (0.94, 0.99)	0.002	0.074	0.011	20
Overall asthma	PARP1	cg24937136	rs12143101	0.034	0.011	1.03 (1.01, 1.06)	0.002	0.077	0.181	20
Overall asthma	EXOC4	cg23169584	rs10428917	0.030	0.010	1.03 (1.01, 1.05)	0.002	0.077	0.410	20
Overall asthma	FNIP2	cg05539369	rs13123982	0.270	0.088	1.31 (1.10, 1.56)	0.002	0.078	0.576	12
Overall asthma	PCGF2	cg02433498	rs68075021	-0.135	0.044	0.87 (0.80, 0.95)	0.002	0.079	0.743	20
Overall asthma	PIP4K2B	cg27142680	rs228251	0.184	0.060	1.20 (1.07, 1.35)	0.002	0.079	0.174	20
Overall asthma	STK25	cg13788902	rs3771584	0.121	0.040	1.13 (1.04, 1.22)	0.002	0.080	0.132	20
Overall asthma	UNC13D	cg17075258	rs7210574	-0.092	0.030	0.91 (0.86, 0.97)	0.003	0.085	0.020	20

Overall asthma	GPSM1	cg13782380	rs117970634	0.140	0.046	1.15 (1.05, 1.26)	0.003	0.085	0.678	7
Overall asthma	MADD	cg26365553	rs77532017	-0.124	0.041	0.88 (0.82, 0.96)	0.003	0.086	0.145	20
Overall asthma	BOK	cg22999099	rs74491874	-0.036	0.012	0.96 (0.94, 0.99)	0.003	0.088	0.033	20
Overall asthma	TRIM27	cg03270340	rs3129794	-0.043	0.014	0.96 (0.93, 0.99)	0.003	0.088	0.113	20
Overall asthma	BLK	cg26161004	rs11785333	0.065	0.022	1.07 (1.02, 1.11)	0.003	0.088	0.278	20
Overall asthma	BOK	cg23959977	rs36030965	-0.041	0.014	0.96 (0.93, 0.99)	0.003	0.088	0.049	20
Overall asthma	CSF2	cg08324925	rs31467	-0.075	0.025	0.93 (0.88, 0.97)	0.003	0.088	0.024	20
Overall asthma	ING5	cg21244745	rs7371227	0.077	0.026	1.08 (1.03, 1.14)	0.003	0.088	0.048	20
Overall asthma	AP1M2	cg23652172	rs8113212	-0.242	0.081	0.79 (0.67, 0.92)	0.003	0.088	0.654	20
Overall asthma	RPS27L	cg23837188	rs9788649	-0.083	0.028	0.92 (0.87, 0.97)	0.003	0.088	0.430	20
Overall asthma	KDM1A	cg23271558	rs2072945	-0.171	0.057	0.84 (0.75, 0.94)	0.003	0.088	0.440	20
Overall asthma	FNIP2	cg13702235	rs2347518	0.120	0.040	1.13 (1.04, 1.22)	0.003	0.088	0.276	20
Overall asthma	NOD2	cg01068906	rs2066844	-0.043	0.015	0.96 (0.93, 0.99)	0.003	0.094	0.845	20
Overall asthma	SLC39A10	cg16158027	rs10175371	0.067	0.022	1.07 (1.02, 1.12)	0.003	0.094	0.988	20
Overall asthma	PARP1	cg23712594	rs3219104	0.065	0.022	1.07 (1.02, 1.11)	0.003	0.094	0.149	20
Overall asthma	GATA4	cg13293535	rs35928010	-0.058	0.020	0.94 (0.91, 0.98)	0.003	0.094	0.019	20
Overall asthma	NOD2	cg08195491	rs2066844	-0.052	0.018	0.95 (0.92, 0.98)	0.003	0.096	0.890	20
Overall asthma	ATF3	cg03970567	rs12739624	0.029	0.010	1.03 (1.01, 1.05)	0.003	0.102	0.358	20
Overall asthma	PARP1	cg17127702	rs76887998	0.033	0.011	1.03 (1.01, 1.06)	0.004	0.103	0.123	20
Overall asthma	PARP1	cg18590995	rs3219104	0.099	0.034	1.10 (1.03, 1.18)	0.004	0.103	0.237	20
Overall asthma	ATP10B	cg02543268	rs17058247	-0.147	0.051	0.86 (0.78, 0.95)	0.004	0.103	0.319	20
Overall asthma	CDC42	cg11572548	rs11577378	-0.095	0.033	0.91 (0.85, 0.97)	0.004	0.103	0.236	20
Overall asthma	UNC13D	cg22467534	rs56000661	-0.239	0.082	0.79 (0.67, 0.92)	0.004	0.103	0.240	20
Overall asthma	ING5	cg14409746	rs35802276	0.082	0.028	1.09 (1.03, 1.15)	0.004	0.103	0.096	20
Overall asthma	TRIM65	cg25176883	rs3744027	0.229	0.079	1.26 (1.08, 1.47)	0.004	0.106	0.044	16
Overall asthma	AKR1C2	cg04683516	rs3885233	-0.048	0.017	0.95 (0.92, 0.98)	0.004	0.107	0.150	14
Overall asthma	WIPI2	cg23122899	rs4720532	-0.108	0.037	0.90 (0.83, 0.97)	0.004	0.107	0.321	20
Overall asthma	CSF2	cg13259290	rs31467	-0.135	0.047	0.87 (0.80, 0.96)	0.004	0.107	0.097	20
Overall asthma	BCL10	cg02862864	rs11576939	0.036	0.012	1.04 (1.01, 1.06)	0.004	0.107	0.617	20
Overall asthma	CEBPB	cg02930951	rs17196752	0.148	0.051	1.16 (1.05, 1.28)	0.004	0.107	0.215	20
Overall asthma	ING5	cg17530031	rs7591047	0.034	0.012	1.03 (1.01, 1.06)	0.004	0.108	0.052	20
Overall asthma	STK25	cg19488206	rs7618	0.120	0.042	1.13 (1.04, 1.22)	0.004	0.109	0.049	20
Overall asthma	INF2	cg05873568	rs36016599	-0.124	0.043	0.88 (0.81, 0.96)	0.004	0.109	0.372	13
Overall asthma	TP73	cg27564766	rs4648552	0.080	0.028	1.08 (1.03, 1.14)	0.004	0.112	0.827	19
Overall asthma	PRKD1	cg13732130	rs74040636	-0.059	0.021	0.94 (0.91, 0.98)	0.004	0.113	0.587	20
Overall asthma	NOD2	cg01055281	rs2066844	-0.087	0.030	0.92 (0.86, 0.97)	0.004	0.113	0.854	17
Overall asthma	NFKB1	cg25905215	rs5026473	-0.100	0.035	0.90 (0.84, 0.97)	0.004	0.113	0.366	20
Overall asthma	UNC13D	cg15177359	rs3744021	0.243	0.085	1.28 (1.08, 1.51)	0.004	0.114	0.551	20
Overall asthma	PDLIM1	cg20714347	rs12415795	-0.116	0.041	0.89 (0.82, 0.96)	0.004	0.115	0.362	20
Overall asthma	PPP2R1B	cg23026420	rs10789843	-0.096	0.034	0.91 (0.85, 0.97)	0.005	0.117	0.395	20
Overall asthma	CASP10	cg24599065	rs3769826	0.034	0.012	1.03 (1.01, 1.06)	0.005	0.118	0.866	20
Overall asthma	SCARB2	cg17465343	rs72655538	-0.044	0.015	0.96 (0.93, 0.99)	0.005	0.118	0.834	20

Overall asthma	MTMR9	cg06240162	rs3808502	0.203	0.072	1.22 (1.06, 1.41)	0.005	0.118	0.773	20
Overall asthma	INF2	cg02878289	rs10133301	-0.145	0.051	0.87 (0.78, 0.96)	0.005	0.123	0.540	20
Overall asthma	PRKAG2	cg26284782	rs4726101	-0.095	0.034	0.91 (0.85, 0.97)	0.005	0.123	0.124	20
Overall asthma	CLEC16A	cg07486170	rs9937173	-0.222	0.079	0.80 (0.69, 0.94)	0.005	0.123	0.133	20
Overall asthma	PCGF2	cg18896448	rs34727469	-0.154	0.055	0.86 (0.77, 0.95)	0.005	0.124	0.730	20
Overall asthma	GATA4	cg04880278	rs35928010	-0.142	0.051	0.87 (0.79, 0.96)	0.005	0.125	0.055	20
Overall asthma	MNT	cg27406664	rs2429919	-0.031	0.011	0.97 (0.95, 0.99)	0.005	0.126	0.510	20
Overall asthma	AP3B2	cg09472203	rs117858314	0.171	0.061	1.19 (1.05, 1.34)	0.005	0.126	0.168	20
Overall asthma	FNIP2	cg05615763	rs34033556	0.096	0.034	1.10 (1.03, 1.18)	0.005	0.130	0.387	20
Overall asthma	CASP10	cg12105450	rs3900115	0.088	0.032	1.09 (1.03, 1.16)	0.005	0.130	0.869	20
Overall asthma	INF2	cg02305961	rs76147286	-0.077	0.028	0.93 (0.88, 0.98)	0.006	0.134	0.534	20
Overall asthma	INF2	cg20267932	rs10133301	-0.161	0.058	0.85 (0.76, 0.95)	0.006	0.134	0.477	18
Overall asthma	ACP2	cg20969221	rs1051006	-0.237	0.086	0.79 (0.67, 0.93)	0.006	0.134	0.197	20
Overall asthma	FOXK2	cg24220178	rs113987209	-0.064	0.023	0.94 (0.90, 0.98)	0.006	0.136	0.059	20
Overall asthma	PRKCA;MIR634	cg20152382	rs35105653	-0.161	0.058	0.85 (0.76, 0.95)	0.006	0.136	0.058	20
Overall asthma	LIPA	cg17741809	rs2297475	-0.047	0.017	0.95 (0.92, 0.99)	0.006	0.136	0.719	20
Overall asthma	GPSM1;LOC26102	cg13683534	rs11145891	0.096	0.035	1.10 (1.03, 1.18)	0.006	0.138	0.697	20
Overall asthma	RAC2	cg10603757	rs9610680	-0.067	0.024	0.94 (0.89, 0.98)	0.006	0.139	0.256	20
Overall asthma	CSF2	cg26369418	rs31467	-0.197	0.072	0.82 (0.71, 0.95)	0.006	0.139	0.136	20
Overall asthma	WIPI2	cg09203501	rs11761408	-0.037	0.013	0.96 (0.94, 0.99)	0.007	0.144	0.385	20
Overall asthma	WIPI2	cg00579868	rs11761408	-0.037	0.014	0.96 (0.94, 0.99)	0.007	0.144	0.420	20
Overall asthma	WIPI2	cg26660312	rs11761408	-0.032	0.012	0.97 (0.95, 0.99)	0.007	0.144	0.354	20
Overall asthma	WIPI2	cg00393985	rs11761408	-0.034	0.013	0.97 (0.94, 0.99)	0.007	0.144	0.370	20
Overall asthma	WIPI2	cg09523782	rs11761408	-0.048	0.018	0.95 (0.92, 0.99)	0.007	0.147	0.324	20
Overall asthma	ATP6V0A1	cg15269394	rs35111218	-0.224	0.083	0.80 (0.68, 0.94)	0.007	0.147	0.528	17
Overall asthma	CDH1	cg08616585	rs8059194	0.139	0.051	1.15 (1.04, 1.27)	0.007	0.147	0.025	20
Overall asthma	TRIM27	cg27120125	rs13200214	-0.197	0.073	0.82 (0.71, 0.95)	0.007	0.149	0.359	20
Overall asthma	TMEM106B	cg09613507	rs5011439	-0.048	0.018	0.95 (0.92, 0.99)	0.007	0.151	0.537	20
Overall asthma	FOXK2	cg21093005	rs113987209	-0.092	0.034	0.91 (0.85, 0.98)	0.007	0.151	0.112	20
Overall asthma	TFRC	cg03462622	rs3933	0.050	0.019	1.05 (1.01, 1.09)	0.007	0.154	0.175	20
Overall asthma	NCKAP1	cg11711114	rs72888487	0.212	0.079	1.24 (1.06, 1.44)	0.007	0.154	0.263	20
Overall asthma	SFN	cg13235717	rs12729652	0.116	0.043	1.12 (1.03, 1.22)	0.008	0.156	0.759	20
Overall asthma	LGALS8	cg08137948	rs2853594	-0.069	0.026	0.93 (0.89, 0.98)	0.008	0.157	0.270	20
Overall asthma	TERT	cg11666982	rs4975616	0.220	0.083	1.25 (1.06, 1.47)	0.008	0.158	0.550	20
Overall asthma	KITLG	cg17399545	rs11104881	-0.204	0.077	0.82 (0.70, 0.95)	0.008	0.160	0.974	20
Overall asthma	MADD	cg25783544	rs10769252	-0.089	0.034	0.91 (0.86, 0.98)	0.008	0.166	0.200	20
Overall asthma	PLEKHM2	cg23112360	rs35757484	-0.068	0.026	0.93 (0.89, 0.98)	0.009	0.169	0.780	20
Overall asthma	CLEC16A	cg05080940	rs8063318	-0.023	0.009	0.98 (0.96, 0.99)	0.009	0.171	0.041	20
Overall asthma	AATF	cg11262262	rs7216758	-0.067	0.026	0.93 (0.89, 0.98)	0.009	0.172	0.056	20
Overall asthma	GPSM1;LOC26102	cg14164080	rs4418446	0.119	0.046	1.13 (1.03, 1.23)	0.009	0.172	0.454	20
Overall asthma	GPSM1;LOC26102	cg14479136	rs4320648	-0.200	0.076	0.82 (0.70, 0.95)	0.009	0.172	0.099	20
Overall asthma	FOXK2	cg26986438	rs9914081	-0.116	0.044	0.89 (0.82, 0.97)	0.009	0.172	0.177	19

Overall asthma	WIPI2	cg21764632	rs11761408	-0.119	0.046	0.89 (0.81, 0.97)	0.009	0.173	0.702	20
Overall asthma	PGAM5	cg17037406	rs7966242	-0.105	0.040	0.90 (0.83, 0.97)	0.009	0.174	0.164	20
Overall asthma	WIPI2	cg27021327	rs4724461	-0.060	0.023	0.94 (0.90, 0.99)	0.009	0.174	0.499	20
Overall asthma	PIK3R1	cg24797508	rs67913607	0.167	0.064	1.18 (1.04, 1.34)	0.009	0.174	0.308	15
Overall asthma	GGCT	cg12773030	rs13228079	0.118	0.045	1.13 (1.03, 1.23)	0.009	0.174	0.616	20
Overall asthma	BRSK2	cg21782309	rs78210548	0.037	0.014	1.04 (1.01, 1.07)	0.009	0.175	0.406	20
Overall asthma	FES	cg25647583	rs6224	-0.172	0.066	0.84 (0.74, 0.96)	0.010	0.179	0.157	13
Overall asthma	FBXO31;MAP1LC3B	cg06750038	rs11117269	-0.047	0.018	0.95 (0.92, 0.99)	0.010	0.180	0.724	20
Overall asthma	WIPI2	cg27152128	rs11761408	-0.133	0.052	0.88 (0.79, 0.97)	0.010	0.180	0.603	20
Overall asthma	TRIM27	cg17666981	rs2097424	-0.022	0.008	0.98 (0.96, 0.99)	0.010	0.184	0.035	20
Overall asthma	TP53INP2	cg20592836	rs2378256	0.020	0.008	1.02 (1.00, 1.04)	0.010	0.184	0.583	20
Overall asthma	TP53INP2	cg24642439	rs910869	0.037	0.014	1.04 (1.01, 1.07)	0.010	0.186	0.758	20
Overall asthma	FOXK1	cg06287775	rs7781115	0.123	0.048	1.13 (1.03, 1.24)	0.010	0.186	0.282	9
Overall asthma	TP53INP2	cg06115741	rs910869	0.037	0.014	1.04 (1.01, 1.07)	0.010	0.186	0.649	20
Overall asthma	PIK3R1	cg09101894	rs67913607	0.185	0.072	1.20 (1.04, 1.39)	0.010	0.187	0.276	18
Overall asthma	MADD	cg19501536	rs10838687	0.065	0.025	1.07 (1.02, 1.12)	0.011	0.190	0.068	20
Overall asthma	AP1S3	cg05103387	rs3738961	-0.200	0.079	0.82 (0.70, 0.95)	0.011	0.193	0.882	18
Overall asthma	TRIM27	cg09855662	rs35560946	-0.085	0.033	0.92 (0.86, 0.98)	0.011	0.196	0.312	20
Overall asthma	AP1S3	cg17569486	rs9288584	0.042	0.017	1.04 (1.01, 1.08)	0.011	0.197	0.388	20
Overall asthma	GAB2	cg13226797	rs2063730	-0.164	0.065	0.85 (0.75, 0.96)	0.011	0.197	0.341	20
Overall asthma	TGFBR1	cg13827209	rs7042852	-0.121	0.048	0.89 (0.81, 0.97)	0.011	0.200	0.919	11
Overall asthma	ULK1	cg21649013	rs78570824	-0.071	0.028	0.93 (0.88, 0.98)	0.012	0.202	0.561	20
Overall asthma	NCK1	cg09847234	rs9863551	-0.098	0.039	0.91 (0.84, 0.98)	0.012	0.202	0.053	20
Overall asthma	TP53INP2	cg00820065	rs6058108	-0.083	0.033	0.92 (0.86, 0.98)	0.012	0.202	0.550	20
Overall asthma	GPX4	cg01613691	rs4807542	-0.047	0.019	0.95 (0.92, 0.99)	0.012	0.203	0.150	20
Overall asthma	LAPTM4A	cg17953136	rs6705765	0.118	0.047	1.13 (1.03, 1.23)	0.012	0.203	0.795	20
Overall asthma	BLK	cg15742700	rs2244234	-0.170	0.067	0.84 (0.74, 0.96)	0.012	0.203	0.073	20
Overall asthma	SYNPO2	cg10320997	rs57021447	-0.201	0.080	0.82 (0.70, 0.96)	0.012	0.205	0.051	18
Overall asthma	TSC2	cg02851047	rs9928737	-0.060	0.024	0.94 (0.90, 0.99)	0.012	0.205	0.686	20
Overall asthma	CBS	cg15300856	rs8127209	0.052	0.021	1.05 (1.01, 1.10)	0.012	0.208	0.508	20
Overall asthma	SLC39A11	cg08875869	rs73995789	-0.071	0.028	0.93 (0.88, 0.98)	0.012	0.208	1.000	20
Overall asthma	TMBIM6	cg20471783	rs4584654	-0.042	0.017	0.96 (0.93, 0.99)	0.013	0.213	0.610	20
Overall asthma	USP47	cg24383467	rs7937824	-0.038	0.015	0.96 (0.93, 0.99)	0.013	0.213	0.084	20
Overall asthma	ING5	cg15141204	rs4428044	0.105	0.042	1.11 (1.02, 1.21)	0.013	0.213	0.140	20
Overall asthma	ITGAV	cg15732657	rs6741369	-0.085	0.034	0.92 (0.86, 0.98)	0.013	0.213	0.745	20
Overall asthma	CBS	cg22633722	rs8127209	0.082	0.033	1.09 (1.02, 1.16)	0.013	0.220	0.527	20
Overall asthma	FGR	cg08885657	rs34806307	0.063	0.026	1.07 (1.01, 1.12)	0.013	0.221	0.312	17
Overall asthma	FOXK1	cg09789173	rs7793919	0.029	0.012	1.03 (1.01, 1.05)	0.014	0.222	0.287	18
Overall asthma	SESN1	cg17117243	rs114414265	0.099	0.040	1.10 (1.02, 1.19)	0.014	0.228	0.957	10
Overall asthma	IL6	cg15703690	rs2905333	-0.100	0.041	0.91 (0.84, 0.98)	0.014	0.228	0.418	20
Overall asthma	ITPR1	cg10887945	rs3792497	-0.163	0.067	0.85 (0.75, 0.97)	0.014	0.231	0.720	17
Overall asthma	FOXK1	cg05764847	rs7793919	-0.068	0.028	0.93 (0.89, 0.99)	0.015	0.234	0.238	12

Overall asthma	SLC39A1	cg25064552	rs12023699	-0.047	0.019	0.95 (0.92, 0.99)	0.015	0.235	0.733	20
Overall asthma	PLEKHM2	cg06178322	rs71631739	-0.176	0.072	0.84 (0.73, 0.97)	0.015	0.235	0.715	15
Overall asthma	PRKAG2	cg17008978	rs10277544	0.149	0.061	1.16 (1.03, 1.31)	0.015	0.240	0.727	20
Overall asthma	AP1S3	cg03341091	rs28631964	-0.121	0.050	0.89 (0.80, 0.98)	0.015	0.240	0.781	20
Overall asthma	RAB7A	cg19991780	rs59753334	-0.049	0.020	0.95 (0.91, 0.99)	0.016	0.244	0.569	20
Overall asthma	CLEC16A	cg00202496	rs67839826	0.195	0.081	1.22 (1.04, 1.42)	0.016	0.245	0.010	20
Overall asthma	TSC2	cg04328826	rs12926737	-0.154	0.064	0.86 (0.76, 0.97)	0.016	0.246	0.433	20
Overall asthma	GATA4	cg23916205	rs745379	-0.042	0.018	0.96 (0.93, 0.99)	0.016	0.247	0.069	20
Overall asthma	PCGF2	cg24539380	rs11658048	-0.039	0.016	0.96 (0.93, 0.99)	0.016	0.247	0.157	20
Overall asthma	STEAP3	cg21855041	rs56166948	-0.075	0.031	0.93 (0.87, 0.99)	0.016	0.247	0.058	20
Overall asthma	ALOX12	cg20216752	rs434844	-0.076	0.032	0.93 (0.87, 0.99)	0.016	0.247	0.155	20
Overall asthma	CDH1	cg20716119	rs12923775	-0.098	0.041	0.91 (0.84, 0.98)	0.016	0.247	0.013	20
Overall asthma	AP1S3	cg07813214	rs12694622	-0.081	0.034	0.92 (0.86, 0.99)	0.016	0.248	0.378	20
Overall asthma	AP1M2	cg26292442	rs7248205	0.191	0.080	1.21 (1.04, 1.42)	0.016	0.248	0.334	20
Overall asthma	CDH1	cg16739895	rs12926010	-0.195	0.081	0.82 (0.70, 0.96)	0.016	0.248	0.051	20
Overall asthma	PLEKHF1	cg14945937	rs3745169	0.117	0.049	1.12 (1.02, 1.24)	0.016	0.249	0.873	12
Overall asthma	SH3RF1	cg07082484	rs10024401	-0.027	0.011	0.97 (0.95, 1.00)	0.017	0.251	0.366	20
Overall asthma	GAPDH	cg26826729	rs2109430	-0.063	0.026	0.94 (0.89, 0.99)	0.017	0.252	0.449	20
Overall asthma	TRIM27	cg27257926	rs209142	-0.166	0.069	0.85 (0.74, 0.97)	0.017	0.252	0.097	20
Overall asthma	ATF3	cg18174834	rs3125291	0.123	0.052	1.13 (1.02, 1.25)	0.017	0.252	0.059	20
Overall asthma	CAPZB	cg17081867	rs55967673	0.095	0.040	1.10 (1.02, 1.19)	0.017	0.253	0.861	20
Overall asthma	FOXK1	cg00064840	rs7784748	0.043	0.018	1.04 (1.01, 1.08)	0.017	0.254	0.087	15
Overall asthma	TCIRG1	cg11731626	rs71459684	0.130	0.055	1.14 (1.02, 1.27)	0.017	0.254	0.939	20
Overall asthma	GAPDH	cg06362313	rs7978461	-0.071	0.030	0.93 (0.88, 0.99)	0.017	0.254	0.468	20
Overall asthma	FOXK1	cg13287553	rs7784748	0.049	0.020	1.05 (1.01, 1.09)	0.017	0.256	0.058	15
Overall asthma	FOXK1	cg10118545	rs7784748	0.052	0.022	1.05 (1.01, 1.10)	0.017	0.256	0.055	14
Overall asthma	BCL2L10	cg27563121	rs59851373	0.061	0.026	1.06 (1.01, 1.12)	0.018	0.258	0.069	20
Overall asthma	SH3RF1	cg12257055	rs10024401	-0.062	0.026	0.94 (0.89, 0.99)	0.018	0.258	0.421	20
Overall asthma	ULK1	cg07746532	rs78172903	0.196	0.083	1.22 (1.03, 1.43)	0.018	0.258	0.582	15
Overall asthma	NKX3-1	cg13609723	rs4872174	0.167	0.071	1.18 (1.03, 1.36)	0.018	0.260	0.297	7
Overall asthma	MAP1LC3B;FBXO31	cg23636419	rs750957	-0.178	0.075	0.84 (0.72, 0.97)	0.018	0.260	0.976	20
Overall asthma	SESN1	cg08336300	rs6908184	0.105	0.044	1.11 (1.02, 1.21)	0.018	0.260	0.835	17
Overall asthma	SLC39A1;CRTC2	cg16262392	rs6724	0.127	0.054	1.14 (1.02, 1.26)	0.018	0.264	0.698	20
Overall asthma	CX3CR1	cg04569233	rs13062158	0.050	0.021	1.05 (1.01, 1.10)	0.019	0.265	0.372	20
Overall asthma	BCL2L10	cg14540387	rs11632093	0.143	0.061	1.15 (1.02, 1.30)	0.019	0.265	0.420	20
Overall asthma	BCL10	cg16140784	rs114450815	-0.162	0.069	0.85 (0.74, 0.97)	0.019	0.265	0.195	15
Overall asthma	NKX3-1	cg06696292	rs10503734	-0.079	0.034	0.92 (0.86, 0.99)	0.019	0.265	0.154	11
Overall asthma	SRC	cg01141721	rs6018199	-0.075	0.032	0.93 (0.87, 0.99)	0.019	0.267	0.814	18
Overall asthma	FER	cg19526267	rs181331526	0.097	0.041	1.10 (1.02, 1.19)	0.019	0.269	0.295	20
Overall asthma	BMF	cg26662201	rs34231574	0.162	0.070	1.18 (1.03, 1.35)	0.020	0.278	0.346	10
Overall asthma	ING5	cg03979788	rs7588212	-0.023	0.010	0.98 (0.96, 1.00)	0.020	0.279	0.013	20
Overall asthma	AP3S2	cg19708238	rs7169019	0.090	0.039	1.09 (1.01, 1.18)	0.020	0.279	0.492	20

Overall asthma	TP73	cg26034538	rs2096224	0.137	0.059	1.15 (1.02, 1.29)	0.020	0.279	0.735	9
Overall asthma	PRKAG2	cg10902667	rs13239239	-0.166	0.072	0.85 (0.74, 0.97)	0.021	0.280	0.444	18
Overall asthma	TERT	cg07380026	rs2736102	0.111	0.048	1.12 (1.02, 1.23)	0.021	0.280	0.292	20
Overall asthma	CD84	cg21454485	rs9726326	-0.143	0.062	0.87 (0.77, 0.98)	0.021	0.283	0.106	20
Overall asthma	ALOX15	cg11334406	rs9905711	-0.148	0.064	0.86 (0.76, 0.98)	0.021	0.284	0.600	15
Overall asthma	DAP	cg14129473	rs267942	-0.100	0.043	0.91 (0.83, 0.99)	0.021	0.284	0.883	20
Overall asthma	TGFBR1	cg13608979	rs367568	0.072	0.031	1.07 (1.01, 1.14)	0.021	0.287	0.381	15
Overall asthma	DAB2IP	cg08980461	rs10818576	0.097	0.042	1.10 (1.01, 1.20)	0.022	0.287	0.470	19
Overall asthma	IL6	cg00087425	rs2905333	-0.191	0.083	0.83 (0.70, 0.97)	0.022	0.288	0.362	20
Overall asthma	ATF3	cg18317154	rs685330	-0.174	0.076	0.84 (0.72, 0.97)	0.022	0.289	0.137	6
Overall asthma	LEP	cg19594666	rs7811892	0.167	0.073	1.18 (1.02, 1.36)	0.022	0.289	0.749	13
Overall asthma	FXN	cg13859886	rs2498428	-0.106	0.046	0.90 (0.82, 0.98)	0.022	0.289	0.501	20
Overall asthma	CAPZB	cg23519022	rs41264091	-0.106	0.047	0.90 (0.82, 0.99)	0.022	0.294	0.761	20
Overall asthma	LGALS8	cg08169200	rs766124	-0.064	0.028	0.94 (0.89, 0.99)	0.023	0.300	0.357	20
Overall asthma	ARRB2	cg02286380	rs28365158	-0.025	0.011	0.98 (0.95, 1.00)	0.023	0.301	0.877	20
Overall asthma	GPSM1	cg13799504	rs3829109	-0.029	0.013	0.97 (0.95, 1.00)	0.023	0.302	0.366	20
Overall asthma	ARRB2	cg07971820	rs28365158	-0.031	0.014	0.97 (0.94, 1.00)	0.023	0.302	0.892	20
Overall asthma	ARRB2	cg24831541	rs8069382	-0.034	0.015	0.97 (0.94, 1.00)	0.023	0.302	0.953	20
Overall asthma	AP3S2	cg03039025	rs2043881	0.034	0.015	1.03 (1.00, 1.07)	0.024	0.304	0.854	20
Overall asthma	TERT	cg17166338	rs2736102	0.144	0.064	1.15 (1.02, 1.31)	0.024	0.304	0.370	20
Overall asthma	AP3S2	cg21576154	rs2043881	0.036	0.016	1.04 (1.00, 1.07)	0.024	0.305	0.928	20
Overall asthma	ARRB2	cg13466002	rs4522461	-0.053	0.024	0.95 (0.91, 0.99)	0.024	0.306	0.797	20
Overall asthma	TOMM7	cg11367502	rs67445721	0.037	0.016	1.04 (1.00, 1.07)	0.024	0.306	0.157	20
Overall asthma	AP3S2	cg05640721	rs2043881	0.048	0.021	1.05 (1.01, 1.09)	0.024	0.306	0.928	20
Overall asthma	KIF25	cg03119088	rs6455477	0.121	0.054	1.13 (1.02, 1.25)	0.024	0.306	0.171	20
Overall asthma	PRKCA	cg15519474	rs35814799	0.058	0.026	1.06 (1.01, 1.12)	0.024	0.307	0.161	20
Overall asthma	TGFBR1	cg13431688	rs334355	-0.020	0.009	0.98 (0.96, 1.00)	0.025	0.307	0.284	20
Overall asthma	TOMM7	cg13679077	rs67445721	0.048	0.021	1.05 (1.01, 1.09)	0.025	0.307	0.729	20
Overall asthma	SSTR3	cg14757173	rs2160908	-0.193	0.086	0.82 (0.70, 0.98)	0.025	0.307	0.692	14
Overall asthma	SLC30A2	cg00349061	rs6686190	-0.042	0.019	0.96 (0.92, 0.99)	0.025	0.309	0.253	20
Overall asthma	TP73	cg19688837	rs2096224	0.177	0.079	1.19 (1.02, 1.39)	0.025	0.309	0.295	10
Overall asthma	ULK1	cg15163603	rs35569693	0.152	0.068	1.16 (1.02, 1.33)	0.025	0.309	0.128	19
Overall asthma	AP3S2	cg12732791	rs1910586	-0.068	0.031	0.93 (0.88, 0.99)	0.025	0.309	0.928	20
Overall asthma	MADD	cg07637188	rs118134583	0.055	0.025	1.06 (1.01, 1.11)	0.025	0.309	0.710	20
Overall asthma	ULK1	cg13235087	rs7133672	0.023	0.011	1.02 (1.00, 1.05)	0.026	0.314	0.189	20
Overall asthma	SLC30A8	cg05548393	rs75784909	0.075	0.034	1.08 (1.01, 1.15)	0.026	0.314	0.244	19
Overall asthma	QSOX1	cg10023454	rs61828295	-0.157	0.071	0.85 (0.74, 0.98)	0.026	0.317	0.929	20
Overall asthma	FOXK2	cg20173014	rs12452440	-0.084	0.038	0.92 (0.85, 0.99)	0.026	0.317	0.174	20
Overall asthma	CASP5	cg08199529	rs542571	0.054	0.024	1.06 (1.01, 1.11)	0.027	0.322	0.550	20
Overall asthma	PLEKHM2	cg27534772	rs12084518	-0.092	0.041	0.91 (0.84, 0.99)	0.027	0.322	0.852	20
Overall asthma	SNX6	cg20478089	rs10150782	-0.091	0.041	0.91 (0.84, 0.99)	0.027	0.322	0.212	20
Overall asthma	CAPZB	cg13319175	rs6683394	0.149	0.067	1.16 (1.02, 1.32)	0.027	0.323	0.801	20

Overall asthma	WNT4	cg17022577	rs56408422	0.064	0.029	1.07 (1.01, 1.13)	0.028	0.329	0.036	20
Overall asthma	ICAM4;ICAM1	cg20036207	rs281436	0.019	0.009	1.02 (1.00, 1.04)	0.028	0.330	0.528	20
Overall asthma	KIF25	cg05282968	rs6922131	-0.098	0.044	0.91 (0.83, 0.99)	0.028	0.330	0.269	15
Overall asthma	SNX16	cg02079420	rs12676336	0.037	0.017	1.04 (1.00, 1.07)	0.029	0.331	0.796	20
Overall asthma	GSDMD	cg18198896	rs3889129	-0.038	0.017	0.96 (0.93, 1.00)	0.028	0.331	0.461	20
Overall asthma	GSDMD	cg14721632	rs3889129	-0.034	0.015	0.97 (0.94, 1.00)	0.028	0.331	0.700	20
Overall asthma	POU4F1	cg04404489	rs4304924	-0.091	0.041	0.91 (0.84, 0.99)	0.028	0.331	0.213	20
Overall asthma	GFAP	cg23242944	rs744281	-0.167	0.076	0.85 (0.73, 0.98)	0.029	0.331	0.033	20
Overall asthma	MTMR9	cg12981288	rs6601581	0.115	0.052	1.12 (1.01, 1.24)	0.028	0.331	0.063	20
Overall asthma	FEZ1	cg19792194	rs601034	-0.084	0.038	0.92 (0.85, 0.99)	0.029	0.331	0.814	20
Overall asthma	ICAM4;ICAM1	cg00500176	rs281436	0.043	0.020	1.04 (1.00, 1.09)	0.029	0.331	0.388	20
Overall asthma	LAPTM4A	cg17989428	rs12052278	0.129	0.059	1.14 (1.01, 1.28)	0.029	0.331	0.550	20
Overall asthma	BMF	cg02313495	rs539846	0.019	0.009	1.02 (1.00, 1.04)	0.029	0.331	0.737	20
Overall asthma	GATA4	cg12395012	rs3735814	-0.022	0.010	0.98 (0.96, 1.00)	0.029	0.331	0.152	20
Overall asthma	SNX16	cg07697082	rs4739627	0.045	0.021	1.05 (1.00, 1.09)	0.029	0.331	0.746	20
Overall asthma	GSDMD	cg07422279	rs6558369	-0.057	0.026	0.94 (0.90, 0.99)	0.029	0.333	0.299	20
Overall asthma	JAK2	cg13568515	rs57204002	-0.021	0.010	0.98 (0.96, 1.00)	0.029	0.333	0.572	20
Overall asthma	ARRB2	cg00122941	rs34230287	0.032	0.015	1.03 (1.00, 1.06)	0.030	0.333	0.739	20
Overall asthma	ARRB2	cg19197139	rs34230287	0.026	0.012	1.03 (1.00, 1.05)	0.029	0.333	0.909	20
Overall asthma	JAK2	cg02405213	rs7046077	-0.019	0.009	0.98 (0.96, 1.00)	0.029	0.333	0.595	20
Overall asthma	SGMS1	cg20014988	rs4935736	0.059	0.027	1.06 (1.01, 1.12)	0.029	0.333	0.999	20
Overall asthma	GSDMD	cg15541193	rs3889129	-0.059	0.027	0.94 (0.89, 0.99)	0.029	0.333	0.732	20
Overall asthma	TRAF1	cg14518276	rs6478486	0.063	0.029	1.07 (1.01, 1.13)	0.030	0.333	0.124	20
Overall asthma	WNT4	cg12098183	rs56408422	0.092	0.042	1.10 (1.01, 1.19)	0.030	0.333	0.043	20
Overall asthma	AP3M1	cg26469011	rs6480719	0.049	0.022	1.05 (1.00, 1.10)	0.030	0.334	0.183	20
Overall asthma	UNC5B	cg24839386	rs12355168	-0.053	0.025	0.95 (0.90, 0.99)	0.030	0.334	0.393	20
Overall asthma	OPA1	cg23144852	rs6793945	0.058	0.027	1.06 (1.01, 1.12)	0.030	0.334	0.396	20
Overall asthma	SCOC	cg02182440	rs116730782	0.148	0.068	1.16 (1.01, 1.33)	0.030	0.334	0.991	18
Overall asthma	FES	cg18661868	rs7183988	0.140	0.064	1.15 (1.01, 1.30)	0.030	0.334	0.281	14
Overall asthma	UNC5B	cg26152017	rs12355168	-0.052	0.024	0.95 (0.91, 1.00)	0.030	0.334	0.184	20
Overall asthma	UNC5B	cg08539872	rs80017311	0.052	0.024	1.05 (1.01, 1.10)	0.030	0.334	0.108	16
Overall asthma	KIF25	cg13314057	rs6455475	-0.121	0.056	0.89 (0.79, 0.99)	0.030	0.335	0.827	7
Overall asthma	PRKCA	cg25909396	rs11658025	0.057	0.026	1.06 (1.01, 1.11)	0.031	0.336	0.072	20
Overall asthma	PIP4K2C	cg20416037	rs775245	-0.104	0.048	0.90 (0.82, 0.99)	0.031	0.339	0.029	20
Overall asthma	RPTOR	cg15097361	rs35352641	0.035	0.016	1.04 (1.00, 1.07)	0.031	0.342	0.105	20
Overall asthma	RPTOR	cg15228441	rs35352641	0.041	0.019	1.04 (1.00, 1.08)	0.032	0.343	0.147	20
Overall asthma	MIR210	cg03880841	rs10902177	0.104	0.049	1.11 (1.01, 1.22)	0.032	0.346	0.419	20
Overall asthma	AIFM2	cg00352027	rs7082396	0.094	0.044	1.10 (1.01, 1.20)	0.032	0.346	0.134	20
Overall asthma	AKT1	cg05726935	rs61759760	-0.091	0.042	0.91 (0.84, 0.99)	0.032	0.346	0.785	18
Overall asthma	GALNS	cg02717656	rs12447646	0.081	0.038	1.08 (1.01, 1.17)	0.032	0.348	0.725	20
Overall asthma	MIR210	cg15482500	rs10902177	0.114	0.054	1.12 (1.01, 1.25)	0.033	0.353	0.169	20
Overall asthma	PRKCA	cg17202839	rs72848633	0.100	0.047	1.10 (1.01, 1.21)	0.034	0.357	0.419	20

Overall asthma	PIP4K2C	cg25133016	rs775245	-0.130	0.061	0.88 (0.78, 0.99)	0.034	0.357	0.043	20
Overall asthma	TERT	cg26006951	rs37002	0.168	0.079	1.18 (1.01, 1.38)	0.034	0.357	0.356	20
Overall asthma	MAP1LC3B	cg04892447	rs889603	0.153	0.072	1.17 (1.01, 1.34)	0.034	0.357	0.912	20
Overall asthma	ICAM1	cg24354612	rs281436	0.110	0.052	1.12 (1.01, 1.24)	0.034	0.359	0.281	20
Overall asthma	KDM4A	cg08462360	rs12034875	-0.116	0.055	0.89 (0.80, 0.99)	0.034	0.362	0.027	20
Overall asthma	BLOC1S2	cg13817732	rs35662118	-0.072	0.034	0.93 (0.87, 0.99)	0.034	0.362	0.142	20
Overall asthma	OSBPL7	cg02206375	rs17774171	-0.160	0.076	0.85 (0.73, 0.99)	0.035	0.363	0.585	20
Overall asthma	DAB2IP	cg13833607	rs10985342	0.109	0.052	1.12 (1.01, 1.23)	0.035	0.364	0.659	20
Overall asthma	PIK3R1	cg18104285	rs706713	-0.110	0.052	0.90 (0.81, 0.99)	0.035	0.364	0.754	20
Overall asthma	NKX3-1	cg21428681	rs13274008	0.074	0.035	1.08 (1.01, 1.15)	0.035	0.364	0.275	12
Overall asthma	IL7	cg01819306	rs34689795	0.050	0.024	1.05 (1.00, 1.10)	0.036	0.367	0.804	20
Overall asthma	RFFL	cg18302940	rs62062384	-0.082	0.039	0.92 (0.85, 0.99)	0.036	0.367	0.993	20
Overall asthma	DAB2IP	cg04661709	rs4836858	-0.061	0.029	0.94 (0.89, 1.00)	0.036	0.367	0.492	18
Overall asthma	CTSF	cg06817264	rs615205	0.041	0.020	1.04 (1.00, 1.08)	0.036	0.369	0.353	20
Overall asthma	DAPK2	cg11775215	rs78181809	0.061	0.029	1.06 (1.00, 1.13)	0.036	0.369	0.277	20
Overall asthma	STK3	cg20673075	rs2922073	0.034	0.016	1.03 (1.00, 1.07)	0.036	0.371	0.422	20
Overall asthma	GALNS	cg09308897	rs12444543	-0.027	0.013	0.97 (0.95, 1.00)	0.037	0.371	0.754	20
Overall asthma	GALNS	cg16582469	rs11076726	-0.021	0.010	0.98 (0.96, 1.00)	0.037	0.371	0.861	20
Overall asthma	STEAP3	cg19911116	rs6721852	-0.141	0.067	0.87 (0.76, 0.99)	0.037	0.371	0.782	17
Overall asthma	ENO1	cg12711814	rs2038904	-0.107	0.051	0.90 (0.81, 0.99)	0.037	0.371	0.156	20
Overall asthma	PARP1	cg02088626	rs2048426	-0.047	0.022	0.95 (0.91, 1.00)	0.037	0.371	0.078	20
Overall asthma	CASP4	cg17552759	rs35309598	0.146	0.070	1.16 (1.01, 1.33)	0.037	0.373	0.995	17
Overall asthma	IL1A	cg27368523	rs6746923	-0.099	0.047	0.91 (0.83, 0.99)	0.037	0.373	0.523	20
Overall asthma	GALNS	cg09807356	rs12934499	-0.039	0.019	0.96 (0.93, 1.00)	0.037	0.373	0.684	20
Overall asthma	GALNS	cg02724461	rs12934499	-0.043	0.020	0.96 (0.92, 1.00)	0.038	0.374	0.732	20
Overall asthma	P2RX7	cg22867729	rs11065472	0.135	0.065	1.14 (1.01, 1.30)	0.038	0.374	0.433	16
Overall asthma	ULK1	cg15260428	rs9652059	-0.022	0.010	0.98 (0.96, 1.00)	0.038	0.375	0.278	20
Overall asthma	ULK1	cg08731435	rs9652059	-0.024	0.011	0.98 (0.95, 1.00)	0.038	0.375	0.315	20
Overall asthma	GALNS	cg06526420	rs8054994	0.061	0.030	1.06 (1.00, 1.13)	0.039	0.376	0.610	20
Overall asthma	ITM2C	cg17674726	rs62195288	0.021	0.010	1.02 (1.00, 1.04)	0.038	0.376	0.514	20
Overall asthma	PRKCA	cg14121185	rs79525201	0.037	0.018	1.04 (1.00, 1.08)	0.039	0.376	0.510	20
Overall asthma	WAC	cg24792245	rs2998286	-0.060	0.029	0.94 (0.89, 1.00)	0.039	0.376	0.379	20
Overall asthma	GALNS	cg20364025	rs13337256	-0.061	0.029	0.94 (0.89, 1.00)	0.039	0.376	0.642	20
Overall asthma	BMF	cg07887985	rs539846	0.140	0.068	1.15 (1.01, 1.31)	0.039	0.376	0.753	9
Overall asthma	ALOX15	cg05715138	rs34230287	0.131	0.063	1.14 (1.01, 1.29)	0.038	0.376	0.193	18
Overall asthma	FOXK1	cg04261496	rs4540325	0.116	0.056	1.12 (1.01, 1.25)	0.039	0.381	0.241	10
Overall asthma	MYH9	cg11434151	rs2187776	0.075	0.037	1.08 (1.00, 1.16)	0.039	0.381	0.233	9
Overall asthma	WIPI2	cg20071624	rs142862967	-0.045	0.022	0.96 (0.92, 1.00)	0.039	0.381	0.156	20
Overall asthma	NLRP7	cg18778097	rs10421098	-0.072	0.035	0.93 (0.87, 1.00)	0.040	0.384	0.110	4
Overall asthma	RUFY4	cg11417360	rs6737563	-0.137	0.066	0.87 (0.77, 0.99)	0.040	0.384	0.688	15
Overall asthma	CREB3L4;SLC39A1	cg09895920	rs4845586	-0.091	0.044	0.91 (0.84, 1.00)	0.040	0.384	0.157	20
Overall asthma	FES	cg03209642	rs4932373	-0.086	0.042	0.92 (0.84, 1.00)	0.040	0.385	0.350	18

Overall asthma	LTBR	cg15784615	rs11611855	-0.125	0.061	0.88 (0.78, 0.99)	0.041	0.387	0.171	9
Overall asthma	GALNS	cg04364752	rs3784883	-0.083	0.041	0.92 (0.85, 1.00)	0.041	0.387	0.554	20
Overall asthma	LAPTM5	cg18221336	rs1050663	0.052	0.025	1.05 (1.00, 1.11)	0.041	0.387	0.700	20
Overall asthma	DAB2IP	cg14594187	rs10760198	-0.148	0.072	0.86 (0.75, 0.99)	0.041	0.391	0.011	20
Overall asthma	USP47	cg20781421	rs7108586	-0.097	0.048	0.91 (0.83, 1.00)	0.041	0.391	0.247	20
Overall asthma	CUL4A	cg10012867	rs3861723	-0.094	0.046	0.91 (0.83, 1.00)	0.042	0.392	0.042	20
Overall asthma	EIF2AK2	cg16795804	rs4670662	0.032	0.016	1.03 (1.00, 1.07)	0.042	0.392	0.653	20
Overall asthma	SYNPO2	cg12973294	rs78448537	0.038	0.019	1.04 (1.00, 1.08)	0.042	0.392	0.391	20
Overall asthma	AIFM2	cg18061319	rs15801	0.034	0.017	1.03 (1.00, 1.07)	0.042	0.392	0.043	20
Overall asthma	RPTOR	cg15826479	rs2672871	-0.087	0.043	0.92 (0.84, 1.00)	0.042	0.392	0.143	20
Overall asthma	TGFB1	cg15735736	rs111840944	-0.147	0.072	0.86 (0.75, 0.99)	0.042	0.393	0.077	5
Overall asthma	AIFM2	cg15779600	rs15801	0.046	0.022	1.05 (1.00, 1.09)	0.042	0.396	0.026	20
Overall asthma	SLC40A1	cg15599483	rs12693542	0.106	0.052	1.11 (1.00, 1.23)	0.043	0.402	0.853	20
Overall asthma	DRAM1	cg07905054	rs7955890	0.087	0.043	1.09 (1.00, 1.19)	0.043	0.402	0.583	20
Overall asthma	STK3	cg02675173	rs4131873	0.107	0.053	1.11 (1.00, 1.23)	0.043	0.402	0.580	20
Overall asthma	FNIP2	cg00245454	rs17285611	0.094	0.046	1.10 (1.00, 1.20)	0.043	0.402	0.502	20
Overall asthma	RPS27L	cg02321289	rs62011184	0.056	0.028	1.06 (1.00, 1.12)	0.044	0.407	0.562	20
Overall asthma	LTBR	cg26306994	rs4020660	-0.091	0.045	0.91 (0.84, 1.00)	0.044	0.407	0.368	16
Overall asthma	KDM1A	cg01718365	rs6658785	-0.106	0.053	0.90 (0.81, 1.00)	0.044	0.408	0.020	20
Overall asthma	GHITM	cg23027704	rs12415362	0.044	0.022	1.05 (1.00, 1.09)	0.045	0.409	0.249	20
Overall asthma	STEAP3	cg00327263	rs60549362	-0.111	0.055	0.89 (0.80, 1.00)	0.044	0.409	0.776	20
Overall asthma	QSOX1	cg04108706	rs11589209	0.153	0.076	1.17 (1.00, 1.35)	0.045	0.411	0.283	20
Overall asthma	FES	cg26899598	rs4932373	-0.122	0.061	0.88 (0.79, 1.00)	0.045	0.411	0.222	13
Overall asthma	IL7	cg25465344	rs34689795	-0.132	0.066	0.88 (0.77, 1.00)	0.045	0.412	0.582	10
Overall asthma	RPTOR	cg17481637	rs2589151	-0.024	0.012	0.98 (0.95, 1.00)	0.046	0.416	0.420	20
Overall asthma	RPS27L	cg20854371	rs62011184	0.078	0.039	1.08 (1.00, 1.17)	0.046	0.416	0.660	20
Overall asthma	SRC	cg24956391	rs11905180	0.114	0.057	1.12 (1.00, 1.25)	0.046	0.417	0.652	11
Overall asthma	SGSH	cg09902913	rs7503034	0.035	0.018	1.04 (1.00, 1.07)	0.046	0.418	0.756	20
Overall asthma	HIPK2	cg14630106	rs9718393	-0.033	0.017	0.97 (0.94, 1.00)	0.046	0.418	0.364	20
Overall asthma	CASP2	cg26596719	rs3181165	-0.024	0.012	0.98 (0.95, 1.00)	0.046	0.419	0.930	7
Overall asthma	KIF1B	cg23716690	rs12127553	-0.042	0.021	0.96 (0.92, 1.00)	0.047	0.420	0.828	20
Overall asthma	ARSG	cg05505961	rs72490435	-0.140	0.070	0.87 (0.76, 1.00)	0.047	0.420	0.529	11
Overall asthma	GALNS	cg16802439	rs3889834	-0.137	0.069	0.87 (0.76, 1.00)	0.047	0.422	0.634	20
Overall asthma	POU4F2	cg25406138	rs6537429	-0.116	0.058	0.89 (0.79, 1.00)	0.047	0.422	0.299	20
Overall asthma	DNM1L	cg24786579	rs147515673	0.104	0.053	1.11 (1.00, 1.23)	0.047	0.422	0.902	9
Overall asthma	STEAP3	cg12535642	rs3769653	-0.021	0.011	0.98 (0.96, 1.00)	0.048	0.422	0.780	20
Overall asthma	NCKAP1	cg15171982	rs35566709	0.057	0.029	1.06 (1.00, 1.12)	0.048	0.422	0.055	20
Overall asthma	RNF186	cg17135423	rs6686653	-0.159	0.080	0.85 (0.73, 1.00)	0.048	0.422	0.257	5
Overall asthma	PRKAG2	cg13686795	rs12532554	-0.160	0.081	0.85 (0.73, 1.00)	0.048	0.422	0.021	10
Overall asthma	CHMP6	cg17714010	rs60323363	0.137	0.069	1.15 (1.00, 1.31)	0.048	0.422	0.368	20
Overall asthma	PIP4K2A	cg09062038	rs7081744	0.108	0.055	1.11 (1.00, 1.24)	0.048	0.424	0.884	20
Overall asthma	ARSG	cg27366162	rs9904958	-0.126	0.064	0.88 (0.78, 1.00)	0.049	0.428	0.565	16

Overall asthma	STEAP3	cg13431009	rs3769653	-0.047	0.024	0.95 (0.91, 1.00)	0.049	0.429	0.764	20
Overall asthma	YWHAQ	cg06701500	rs73913149	0.080	0.041	1.08 (1.00, 1.17)	0.050	0.433	0.907	10
Allergic asthma	GSDMB	cg10057218	rs7224129	-0.268	0.032	0.76 (0.72, 0.81)	8.51E-17	1.26E-13	0.616	20
Allergic asthma	GSDMB	cg27435903	rs2305479	0.332	0.043	1.39 (1.28, 1.52)	7.26E-15	7.18E-12	0.773	20
Allergic asthma	ORMDL3	cg19511844	rs12936231	0.428	0.060	1.53 (1.36, 1.72)	9.01E-13	7.64E-10	0.045	20
Allergic asthma	CLEC16A	cg10390979	rs34306440	0.389	0.069	1.48 (1.29, 1.69)	2.14E-08	7.04E-06	0.641	20
Allergic asthma	IL6	cg13104385	rs1474347	0.063	0.013	1.07 (1.04, 1.09)	1.20E-06	1.97E-04	0.197	20
Allergic asthma	IL6	cg05265849	rs1474347	0.070	0.014	1.07 (1.04, 1.10)	1.23E-06	1.98E-04	0.187	20
Allergic asthma	IL6	cg05472934	rs1800795	0.090	0.019	1.09 (1.05, 1.13)	1.33E-06	2.08E-04	0.082	20
Allergic asthma	GSDMB	cg12360886	rs2941519	-0.814	0.178	0.44 (0.31, 0.63)	4.53E-06	5.72E-04	0.134	20
Allergic asthma	GSDMA	cg10794714	rs4239225	-0.461	0.103	0.63 (0.52, 0.77)	7.25E-06	8.27E-04	0.013	20
Allergic asthma	IL4R	cg01165142	rs2057768	0.633	0.153	1.88 (1.39, 2.54)	3.60E-05	0.003	0.072	20
Allergic asthma	UNC5B	cg23622162	rs13419	0.059	0.015	1.06 (1.03, 1.09)	5.14E-05	0.005	0.395	20
Allergic asthma	TRIM8	cg07119830	rs4146428	-0.079	0.020	0.92 (0.89, 0.96)	6.03E-05	0.005	0.508	20
Allergic asthma	BLK	cg24861686	rs10097870	-0.151	0.041	0.86 (0.79, 0.93)	2.03E-04	0.016	0.328	20
Allergic asthma	KAT5;RNASEH2C	cg11637721	rs7123489	0.259	0.070	1.30 (1.13, 1.49)	2.30E-04	0.018	0.874	20
Allergic asthma	MTMR9	cg06240162	rs3808502	0.393	0.110	1.48 (1.19, 1.84)	3.64E-04	0.026	0.447	20
Allergic asthma	XBP1	cg18940763	rs2881496	-0.152	0.043	0.86 (0.79, 0.93)	4.26E-04	0.029	0.066	20
Allergic asthma	TRIM27	cg22900372	rs3135315	-0.089	0.025	0.91 (0.87, 0.96)	4.32E-04	0.029	0.243	20
Allergic asthma	RPTOR	cg15946337	rs9909563	-0.154	0.045	0.86 (0.79, 0.94)	5.62E-04	0.036	0.908	20
Allergic asthma	TRIM27	cg21997109	rs1794587	0.046	0.013	1.05 (1.02, 1.07)	5.60E-04	0.036	0.115	20
Allergic asthma	TRIM27	cg11073024	rs1794587	0.065	0.019	1.07 (1.03, 1.11)	5.88E-04	0.038	0.129	20
Allergic asthma	STAT5A	cg05117208	rs62076928	0.147	0.043	1.16 (1.06, 1.26)	6.22E-04	0.039	0.148	20
Allergic asthma	KIF1B	cg11712187	rs115345754	-0.144	0.042	0.87 (0.80, 0.94)	6.53E-04	0.040	0.745	20
Allergic asthma	BLK	cg04335815	rs2409797	-0.197	0.058	0.82 (0.73, 0.92)	6.78E-04	0.041	0.512	20
Allergic asthma	CAV1	cg04474049	rs2742125	0.136	0.040	1.15 (1.06, 1.24)	6.91E-04	0.041	0.114	20
Allergic asthma	STAT5B	cg18810026	rs62076928	0.179	0.053	1.20 (1.08, 1.33)	7.26E-04	0.043	0.156	20
Allergic asthma	MAP2K5	cg24247231	rs7167339	-0.048	0.014	0.95 (0.93, 0.98)	7.92E-04	0.046	0.807	20
Allergic asthma	STAT5A	cg20388732	rs11079041	0.202	0.060	1.22 (1.09, 1.38)	8.01E-04	0.046	0.073	20
Allergic asthma	CAV1	cg20897119	rs6959099	0.268	0.080	1.31 (1.12, 1.53)	8.47E-04	0.048	0.327	20
Allergic asthma	JAK2	cg02405213	rs7046077	-0.038	0.011	0.96 (0.94, 0.98)	9.02E-04	0.051	0.011	20
Allergic asthma	CD84	cg13188263	rs55917218	0.203	0.061	1.23 (1.09, 1.38)	9.03E-04	0.051	0.893	20
Allergic asthma	MAP2K5	cg19393677	rs7182417	0.135	0.041	1.15 (1.06, 1.24)	0.001	0.056	0.868	20
Allergic asthma	TRIM27	cg01928896	rs3129792	0.311	0.095	1.36 (1.13, 1.64)	0.001	0.060	0.227	20
Allergic asthma	STAT5A	cg03001305	rs34129849	-0.257	0.079	0.77 (0.66, 0.90)	0.001	0.061	0.136	20
Allergic asthma	USP30	cg12535380	rs11067292	-0.056	0.017	0.95 (0.91, 0.98)	0.001	0.061	0.120	20
Allergic asthma	SNX32	cg15531562	rs7123155	-0.042	0.013	0.96 (0.93, 0.98)	0.001	0.067	0.533	20
Allergic asthma	STAT5A	cg06357561	rs34129849	-0.275	0.085	0.76 (0.64, 0.90)	0.001	0.067	0.157	20
Allergic asthma	RPTOR	cg10585621	rs9909563	-0.271	0.084	0.76 (0.65, 0.90)	0.001	0.069	0.841	20
Allergic asthma	CAV1	cg01265597	rs2742125	0.265	0.083	1.30 (1.11, 1.53)	0.001	0.070	0.116	20
Allergic asthma	CTSZ	cg06125903	rs151343	-0.089	0.028	0.91 (0.87, 0.97)	0.001	0.071	0.824	20
Allergic asthma	CTSZ	cg04917472	rs151343	-0.091	0.029	0.91 (0.86, 0.97)	0.001	0.071	0.717	20

Allergic asthma	JAK2	cg03508284	rs2274472	-0.085	0.027	0.92 (0.87, 0.97)	0.001	0.071	0.051	20
Allergic asthma	STAT5B	cg19465320	rs9889323	-0.219	0.069	0.80 (0.70, 0.92)	0.001	0.073	0.446	20
Allergic asthma	TRAF5	cg09825327	rs2920907	0.198	0.063	1.22 (1.08, 1.38)	0.002	0.077	0.305	20
Allergic asthma	GAB2	cg07780377	rs10793302	-0.212	0.067	0.81 (0.71, 0.92)	0.002	0.080	0.164	20
Allergic asthma	JAK2	cg13568515	rs57204002	-0.040	0.013	0.96 (0.94, 0.99)	0.002	0.080	0.025	20
Allergic asthma	STAT5A	cg17478203	rs79843305	0.344	0.111	1.41 (1.13, 1.75)	0.002	0.091	0.016	20
Allergic asthma	CD84	cg27304328	rs3766384	-0.092	0.030	0.91 (0.86, 0.97)	0.002	0.091	0.942	20
Allergic asthma	GAB2	cg26672202	rs1385601	0.059	0.019	1.06 (1.02, 1.10)	0.002	0.095	0.065	20
Allergic asthma	MAP3K5	cg24999105	rs932589	0.095	0.031	1.10 (1.03, 1.17)	0.002	0.100	0.275	20
Allergic asthma	TRIM27	cg03270340	rs3129794	-0.088	0.029	0.92 (0.87, 0.97)	0.002	0.102	0.306	20
Allergic asthma	GFAP	cg23016243	rs67419793	0.137	0.045	1.15 (1.05, 1.25)	0.002	0.106	0.512	20
Allergic asthma	STXBP2	cg24759919	rs3745363	-0.049	0.016	0.95 (0.92, 0.98)	0.003	0.108	0.189	20
Allergic asthma	GFAP	cg20911989	rs8069039	-0.121	0.040	0.89 (0.82, 0.96)	0.003	0.108	0.021	20
Allergic asthma	STXBP2	cg27546241	rs3745364	-0.071	0.024	0.93 (0.89, 0.98)	0.003	0.108	0.163	20
Allergic asthma	GAB2	cg13319772	rs901105	-0.241	0.080	0.79 (0.67, 0.92)	0.003	0.108	0.063	20
Allergic asthma	CAMKK2	cg27277183	rs34617045	-0.116	0.039	0.89 (0.83, 0.96)	0.003	0.109	0.027	20
Allergic asthma	BOK	cg22999099	rs74491874	-0.048	0.016	0.95 (0.92, 0.98)	0.003	0.110	0.098	20
Allergic asthma	FADS2	cg19610905	rs174553	0.043	0.014	1.04 (1.01, 1.07)	0.003	0.111	0.764	20
Allergic asthma	NFKB1	cg09390974	rs3774938	-0.056	0.019	0.95 (0.91, 0.98)	0.003	0.113	0.751	20
Allergic asthma	NFKB1	cg15409712	rs1598857	-0.056	0.019	0.95 (0.91, 0.98)	0.003	0.113	0.706	20
Allergic asthma	BOK	cg23959977	rs36030965	-0.054	0.018	0.95 (0.91, 0.98)	0.003	0.115	0.076	20
Allergic asthma	CDH1	cg24765079	rs11075695	-0.076	0.026	0.93 (0.88, 0.97)	0.003	0.118	0.207	20
Allergic asthma	ZNF205;MGC3771	cg05225996	rs2002341	-0.063	0.021	0.94 (0.90, 0.98)	0.003	0.118	0.398	20
Allergic asthma	ZNF205;MGC3771	cg02512168	rs2002341	-0.079	0.027	0.92 (0.88, 0.97)	0.003	0.121	0.644	20
Allergic asthma	TRIM27	cg09855662	rs35560946	-0.158	0.054	0.85 (0.77, 0.95)	0.003	0.121	0.044	20
Allergic asthma	BMF	cg02313495	rs539846	0.035	0.012	1.04 (1.01, 1.06)	0.003	0.122	0.580	20
Allergic asthma	GAB2	cg12700464	rs202186505	-0.325	0.111	0.72 (0.58, 0.90)	0.003	0.122	0.111	20
Allergic asthma	MTMR9	cg12981288	rs6601581	0.223	0.076	1.25 (1.08, 1.45)	0.003	0.122	0.086	20
Allergic asthma	MAP3K5	cg21506299	rs1022690	0.137	0.047	1.15 (1.05, 1.26)	0.003	0.122	0.311	20
Allergic asthma	STXBP2	cg04770751	rs3745361	-0.149	0.051	0.86 (0.78, 0.95)	0.003	0.123	0.186	20
Allergic asthma	SLC40A1	cg01158447	rs13015236	-0.168	0.058	0.85 (0.75, 0.95)	0.003	0.124	0.951	20
Allergic asthma	ZNF205;MGC3771	cg05112582	rs11641749	-0.114	0.039	0.89 (0.83, 0.96)	0.004	0.125	0.665	20
Allergic asthma	PPM1F	cg24533864	rs76341067	0.234	0.081	1.26 (1.08, 1.48)	0.004	0.129	0.490	20
Allergic asthma	IDUA	cg04508482	rs201682298	0.235	0.081	1.27 (1.08, 1.48)	0.004	0.129	0.262	20
Allergic asthma	PPIA	cg04192557	rs35082828	0.129	0.044	1.14 (1.04, 1.24)	0.004	0.129	0.698	20
Allergic asthma	GFAP	cg16343401	rs8067029	-0.089	0.031	0.91 (0.86, 0.97)	0.004	0.138	0.045	20
Allergic asthma	CAMKK2	cg23383531	rs3794205	-0.203	0.071	0.82 (0.71, 0.94)	0.004	0.141	0.095	20
Allergic asthma	GAB2	cg25502267	rs2510031	-0.220	0.077	0.80 (0.69, 0.93)	0.004	0.145	0.070	20
Allergic asthma	CDH1	cg08616585	rs8059194	0.209	0.073	1.23 (1.07, 1.42)	0.004	0.145	0.142	20
Allergic asthma	FOXO1	cg23413567	rs9549243	-0.166	0.058	0.85 (0.76, 0.95)	0.004	0.145	0.204	20
Allergic asthma	FYN	cg26846943	rs9487736	0.049	0.017	1.05 (1.02, 1.09)	0.004	0.147	0.470	20
Allergic asthma	FYN	cg20596647	rs9487736	0.058	0.021	1.06 (1.02, 1.10)	0.005	0.147	0.791	20

Allergic asthma	FYN	cg05517541	rs9487736	0.057	0.020	1.06 (1.02, 1.10)	0.005	0.147	0.473	20
Allergic asthma	SLC40A1	cg11692477	rs1123110	0.189	0.067	1.21 (1.06, 1.38)	0.005	0.148	0.944	20
Allergic asthma	PCGF2	cg24539380	rs11658048	-0.062	0.022	0.94 (0.90, 0.98)	0.005	0.150	0.129	20
Allergic asthma	FYN	cg08601457	rs9487736	0.082	0.029	1.09 (1.03, 1.15)	0.005	0.150	0.502	20
Allergic asthma	ZNF205;MGC3771	cg26863821	rs11641749	0.191	0.067	1.21 (1.06, 1.38)	0.005	0.150	0.687	20
Allergic asthma	GAB2	cg13226797	rs2063730	-0.257	0.091	0.77 (0.65, 0.92)	0.005	0.152	0.034	20
Allergic asthma	CDC42	cg21772489	rs16826283	0.134	0.047	1.14 (1.04, 1.25)	0.005	0.152	0.888	17
Allergic asthma	PPIA	cg26307266	rs73102131	0.126	0.045	1.13 (1.04, 1.24)	0.005	0.155	0.633	20
Allergic asthma	TRIM27	cg09292581	rs3129793	-0.347	0.124	0.71 (0.55, 0.90)	0.005	0.159	0.504	17
Allergic asthma	FYN	cg24824472	rs9487736	0.145	0.052	1.16 (1.04, 1.28)	0.005	0.163	0.538	20
Allergic asthma	GNS	cg18624581	rs501130	0.116	0.042	1.12 (1.03, 1.22)	0.005	0.163	0.187	20
Allergic asthma	UBE4B	cg08737543	rs112585126	0.093	0.033	1.10 (1.03, 1.17)	0.005	0.166	0.144	20
Allergic asthma	MAP3K5	cg02673417	rs932589	0.265	0.096	1.30 (1.08, 1.57)	0.006	0.168	0.526	20
Allergic asthma	IL1B	cg07935264	rs12469600	-0.289	0.104	0.75 (0.61, 0.92)	0.006	0.169	0.731	20
Allergic asthma	FYCO1	cg18004856	rs7653682	-0.040	0.015	0.96 (0.93, 0.99)	0.006	0.169	0.837	20
Allergic asthma	TRIM27	cg27120125	rs13200214	-0.419	0.152	0.66 (0.49, 0.89)	0.006	0.170	0.392	20
Allergic asthma	BMF	cg18494902	rs8024033	0.052	0.019	1.05 (1.02, 1.09)	0.006	0.171	0.491	20
Allergic asthma	IL6	cg15703690	rs2905333	-0.155	0.056	0.86 (0.77, 0.96)	0.006	0.173	0.681	20
Allergic asthma	MAP3K5	cg10599345	rs1474988	-0.046	0.017	0.96 (0.92, 0.99)	0.006	0.173	0.119	20
Allergic asthma	DAPK2	cg01859228	rs12592997	0.046	0.017	1.05 (1.01, 1.08)	0.006	0.173	0.177	20
Allergic asthma	PIP4K2B	cg20303331	rs72625934	-0.072	0.026	0.93 (0.88, 0.98)	0.006	0.176	0.607	20
Allergic asthma	PLEKHF1	cg09776718	rs58350456	0.330	0.121	1.39 (1.10, 1.76)	0.006	0.176	0.139	20
Allergic asthma	TRAF1	cg14518276	rs6478486	0.108	0.040	1.11 (1.03, 1.20)	0.006	0.177	0.674	20
Allergic asthma	STXBP2	cg24479032	rs56272042	-0.267	0.098	0.77 (0.63, 0.93)	0.006	0.177	0.532	19
Allergic asthma	CDH1	cg01251360	rs12926010	-0.056	0.020	0.95 (0.91, 0.98)	0.007	0.183	0.170	20
Allergic asthma	MAP3K5	cg15804973	rs9402845	-0.078	0.029	0.92 (0.87, 0.98)	0.007	0.183	0.243	20
Allergic asthma	BMF	cg26662201	rs34231574	0.283	0.104	1.33 (1.08, 1.63)	0.007	0.184	0.349	8
Allergic asthma	EYA2	cg26046136	rs6018188	0.178	0.066	1.19 (1.05, 1.36)	0.007	0.187	0.688	20
Allergic asthma	GFAP	cg10855825	rs8067029	-0.263	0.098	0.77 (0.63, 0.93)	0.007	0.193	0.171	20
Allergic asthma	FYN	cg17076443	rs9487736	0.238	0.089	1.27 (1.07, 1.51)	0.007	0.193	0.715	20
Allergic asthma	GFAP	cg02407342	rs8067029	-0.266	0.099	0.77 (0.63, 0.93)	0.007	0.197	0.045	20
Allergic asthma	TRAF1	cg15551881	rs7021049	0.131	0.049	1.14 (1.04, 1.26)	0.008	0.198	0.333	20
Allergic asthma	PIH1D1	cg26964117	rs11083974	0.155	0.058	1.17 (1.04, 1.31)	0.008	0.198	0.710	18
Allergic asthma	BMF	cg07887985	rs539846	0.264	0.099	1.30 (1.07, 1.58)	0.008	0.203	0.793	7
Allergic asthma	STXBP2	cg27508769	rs35020672	-0.304	0.114	0.74 (0.59, 0.92)	0.008	0.206	0.446	20
Allergic asthma	MAP3K5	cg07868909	rs3903660	-0.051	0.019	0.95 (0.92, 0.99)	0.008	0.207	0.083	20
Allergic asthma	ARSB	cg15712777	rs76400815	-0.194	0.073	0.82 (0.71, 0.95)	0.008	0.207	0.192	20
Allergic asthma	PIK3CD	cg11980800	rs6540985	-0.210	0.079	0.81 (0.69, 0.95)	0.008	0.207	0.440	18
Allergic asthma	GNS	cg27476482	rs2620719	-0.208	0.079	0.81 (0.70, 0.95)	0.008	0.207	0.719	15
Allergic asthma	ACSL1	cg27571769	rs7680850	0.181	0.069	1.20 (1.05, 1.37)	0.008	0.207	0.336	20
Allergic asthma	DAP	cg17665505	rs5745272	0.172	0.065	1.19 (1.05, 1.35)	0.008	0.207	0.019	20
Allergic asthma	PRKAG2	cg18439339	rs7810022	-0.175	0.066	0.84 (0.74, 0.96)	0.009	0.212	0.397	15

Allergic asthma	STX4	cg06233904	rs58726213	-0.146	0.056	0.86 (0.78, 0.96)	0.009	0.215	0.146	20
Allergic asthma	PPIA	cg26194633	rs11984372	0.276	0.105	1.32 (1.07, 1.62)	0.009	0.216	0.374	11
Allergic asthma	MTOR	cg07922924	rs72856979	0.077	0.030	1.08 (1.02, 1.15)	0.009	0.225	0.095	17
Allergic asthma	JAK2	cg20394284	rs1887428	0.061	0.024	1.06 (1.02, 1.11)	0.009	0.225	0.203	20
Allergic asthma	NACC2	cg13588388	rs7034427	0.104	0.040	1.11 (1.03, 1.20)	0.010	0.231	0.085	20
Allergic asthma	FADS2	cg11250194	rs174544	0.042	0.016	1.04 (1.01, 1.08)	0.010	0.234	0.309	20
Allergic asthma	GNAI2	cg17641710	rs41291724	-0.155	0.060	0.86 (0.76, 0.96)	0.010	0.241	0.230	20
Allergic asthma	WDR6	cg05785598	rs9754878	0.062	0.024	1.06 (1.01, 1.12)	0.010	0.243	0.257	20
Allergic asthma	TRAF1	cg14392772	rs10985070	-0.166	0.065	0.85 (0.75, 0.96)	0.010	0.243	0.620	20
Allergic asthma	STX4	cg08893833	rs729482	-0.192	0.075	0.83 (0.71, 0.96)	0.011	0.244	0.711	20
Allergic asthma	SNX4	cg27440834	rs55728401	0.125	0.049	1.13 (1.03, 1.25)	0.011	0.250	0.717	20
Allergic asthma	DPP4	cg21565914	rs73009181	0.200	0.079	1.22 (1.05, 1.42)	0.011	0.252	0.606	12
Allergic asthma	IL6	cg00087425	rs2905333	-0.296	0.117	0.74 (0.59, 0.93)	0.011	0.255	0.499	20
Allergic asthma	ATF6	cg12648759	rs1847383	-0.058	0.023	0.94 (0.90, 0.99)	0.011	0.256	0.052	20
Allergic asthma	ERBB3	cg23731805	rs705696	-0.115	0.045	0.89 (0.82, 0.97)	0.011	0.256	0.160	20
Allergic asthma	SLC26A11;SGSH	cg24838010	rs6565651	-0.182	0.072	0.83 (0.72, 0.96)	0.011	0.257	0.745	20
Allergic asthma	PPIF	cg03648155	rs1892498	0.135	0.054	1.14 (1.03, 1.27)	0.012	0.258	0.893	20
Allergic asthma	YWHAB	cg15324310	rs6031848	-0.125	0.050	0.88 (0.80, 0.97)	0.012	0.258	0.846	20
Allergic asthma	TRIM8	cg27391127	rs12241712	-0.099	0.039	0.91 (0.84, 0.98)	0.012	0.260	0.085	20
Allergic asthma	SNX4	cg12083990	rs28583173	0.229	0.091	1.26 (1.05, 1.50)	0.012	0.261	0.104	20
Allergic asthma	SLC39A10	cg16158027	rs10175371	-0.061	0.025	0.94 (0.90, 0.99)	0.012	0.263	0.699	20
Allergic asthma	WDR6	cg07636037	rs6781790	0.036	0.014	1.04 (1.01, 1.07)	0.012	0.263	0.216	20
Allergic asthma	SGSH	cg01502244	rs2269374	0.215	0.086	1.24 (1.05, 1.47)	0.012	0.263	0.350	20
Allergic asthma	MTOR	cg04310074	rs12121319	0.074	0.030	1.08 (1.02, 1.14)	0.012	0.263	0.202	20
Allergic asthma	FOXO1	cg11244402	rs4325427	-0.098	0.039	0.91 (0.84, 0.98)	0.012	0.263	0.296	20
Allergic asthma	GATA4	cg04880278	rs35928010	-0.175	0.070	0.84 (0.73, 0.96)	0.012	0.263	0.077	20
Allergic asthma	ARSB	cg10864794	rs56307340	0.074	0.030	1.08 (1.02, 1.14)	0.013	0.264	0.358	20
Allergic asthma	GATA4	cg12637676	rs13278982	0.218	0.087	1.24 (1.05, 1.48)	0.013	0.264	0.156	20
Allergic asthma	HTT	cg11324953	rs12506200	-0.105	0.042	0.90 (0.83, 0.98)	0.013	0.277	0.346	20
Allergic asthma	FEZ1	cg12906303	rs2513090	-0.052	0.021	0.95 (0.91, 0.99)	0.014	0.278	0.772	20
Allergic asthma	GNPTAB	cg03756485	rs11830792	-0.079	0.032	0.92 (0.87, 0.98)	0.014	0.278	0.716	20
Allergic asthma	FEZ1	cg18436735	rs669052	-0.066	0.027	0.94 (0.89, 0.99)	0.014	0.278	0.643	20
Allergic asthma	ABCA2;C9orf139	cg13806966	rs12235989	-0.187	0.076	0.83 (0.71, 0.96)	0.014	0.278	0.509	20
Allergic asthma	FYN	cg08376209	rs62413688	0.231	0.094	1.26 (1.05, 1.51)	0.014	0.278	0.750	20
Allergic asthma	CDH1	cg16739895	rs12926010	-0.283	0.115	0.75 (0.60, 0.94)	0.014	0.278	0.253	20
Allergic asthma	FADS2	cg07005513	rs174544	0.176	0.072	1.19 (1.04, 1.37)	0.014	0.278	0.233	20
Allergic asthma	FADS2	cg07591205	rs174544	-0.182	0.074	0.83 (0.72, 0.96)	0.014	0.278	0.382	20
Allergic asthma	CHGA	cg10166151	rs2402224	0.142	0.058	1.15 (1.03, 1.29)	0.014	0.278	0.561	20
Allergic asthma	ING5	cg14409746	rs35802276	0.093	0.038	1.10 (1.02, 1.18)	0.015	0.282	0.308	20
Allergic asthma	ATF6	cg10230257	rs4656340	-0.277	0.114	0.76 (0.61, 0.95)	0.015	0.282	0.139	17
Allergic asthma	DAPK2	cg02919090	rs72752984	-0.038	0.015	0.96 (0.93, 0.99)	0.015	0.285	0.028	20
Allergic asthma	ATF6	cg09175582	rs2298019	-0.098	0.041	0.91 (0.84, 0.98)	0.016	0.285	0.276	20

Allergic asthma	FOXK1	cg09789173	rs7793919	0.043	0.018	1.04 (1.01, 1.08)	0.015	0.285	0.475	18
Allergic asthma	USP30	cg03124318	rs11069031	-0.069	0.028	0.93 (0.88, 0.99)	0.016	0.285	0.218	20
Allergic asthma	FOXO1	cg09792463	rs2701869	-0.092	0.038	0.91 (0.85, 0.98)	0.016	0.285	0.324	20
Allergic asthma	USP30	cg03220751	rs11069031	-0.046	0.019	0.96 (0.92, 0.99)	0.015	0.285	0.244	20
Allergic asthma	STAT3	cg07780782	rs3198502	0.055	0.023	1.06 (1.01, 1.11)	0.016	0.285	0.018	20
Allergic asthma	TRAF1	cg14064762	rs1930785	0.141	0.058	1.15 (1.03, 1.29)	0.015	0.285	0.764	20
Allergic asthma	FOXF1	cg09338251	rs1169645	0.248	0.102	1.28 (1.05, 1.57)	0.015	0.285	0.051	20
Allergic asthma	PPIF	cg11057378	rs10740497	0.070	0.029	1.07 (1.01, 1.13)	0.016	0.285	0.706	20
Allergic asthma	SYK	cg14424519	rs158690	0.179	0.074	1.20 (1.03, 1.38)	0.016	0.285	0.912	11
Allergic asthma	CDK5R1	cg22322863	rs62062462	0.188	0.078	1.21 (1.04, 1.40)	0.016	0.285	0.260	20
Allergic asthma	CHGA	cg01901466	rs2402224	0.182	0.075	1.20 (1.04, 1.39)	0.016	0.285	0.870	19
Allergic asthma	FOXO1	cg14168545	rs9549250	0.156	0.064	1.17 (1.03, 1.33)	0.016	0.285	0.226	20
Allergic asthma	KAT5	cg04321396	rs4930305	-0.145	0.060	0.87 (0.77, 0.97)	0.016	0.285	0.017	20
Allergic asthma	FOXK1	cg05764847	rs7793919	-0.102	0.042	0.90 (0.83, 0.98)	0.016	0.285	0.585	12
Allergic asthma	PPIF	cg04159077	rs2145998	-0.099	0.041	0.91 (0.84, 0.98)	0.016	0.285	0.600	20
Allergic asthma	ERBB3	cg00907267	rs7955865	-0.193	0.080	0.82 (0.70, 0.96)	0.016	0.285	0.033	19
Allergic asthma	LIPA	cg16398628	rs2250398	0.032	0.013	1.03 (1.01, 1.06)	0.016	0.285	0.334	20
Allergic asthma	PIK3CD	cg20994801	rs57834427	0.074	0.031	1.08 (1.01, 1.14)	0.016	0.286	0.157	20
Allergic asthma	LIPA	cg20483560	rs2250398	0.049	0.020	1.05 (1.01, 1.09)	0.016	0.286	0.419	20
Allergic asthma	DPP4	cg12335708	rs113082932	0.238	0.099	1.27 (1.04, 1.54)	0.016	0.286	0.541	11
Allergic asthma	P4HTM;WDR6	cg08455380	rs6446218	0.183	0.076	1.20 (1.03, 1.39)	0.016	0.286	0.215	20
Allergic asthma	ITM2C	cg02806733	rs934822	-0.084	0.035	0.92 (0.86, 0.98)	0.017	0.287	0.379	20
Allergic asthma	IDUA	cg08160350	rs73066479	-0.107	0.044	0.90 (0.82, 0.98)	0.017	0.289	0.703	20
Allergic asthma	FYCO1	cg11211486	rs2133660	0.057	0.024	1.06 (1.01, 1.11)	0.017	0.289	0.695	20
Allergic asthma	FEZ1	cg01460481	rs666160	-0.049	0.020	0.95 (0.91, 0.99)	0.017	0.289	0.617	20
Allergic asthma	PML	cg18136895	rs145418511	0.128	0.054	1.14 (1.02, 1.26)	0.017	0.289	0.990	20
Allergic asthma	PPIF	cg19939077	rs1923368	-0.090	0.038	0.91 (0.85, 0.98)	0.017	0.289	0.642	20
Allergic asthma	ABCA2	cg14105458	rs12235989	-0.239	0.100	0.79 (0.65, 0.96)	0.017	0.289	0.523	20
Allergic asthma	LIPA	cg15406666	rs2250398	0.096	0.040	1.10 (1.02, 1.19)	0.017	0.290	0.441	20
Allergic asthma	YWHAB	cg10774185	rs7265519	-0.259	0.109	0.77 (0.62, 0.96)	0.018	0.294	0.902	8
Allergic asthma	PPIF	cg09469691	rs4980061	0.070	0.030	1.07 (1.01, 1.14)	0.018	0.300	0.842	20
Allergic asthma	HIP1R	cg19340625	rs11060406	-0.068	0.029	0.93 (0.88, 0.99)	0.018	0.301	0.366	20
Allergic asthma	GCC2	cg02082929	rs10184417	-0.031	0.013	0.97 (0.94, 0.99)	0.018	0.302	0.611	20
Allergic asthma	SPTLC2	cg24171453	rs11621440	-0.129	0.055	0.88 (0.79, 0.98)	0.019	0.304	0.663	20
Allergic asthma	EIF2AK4	cg16127683	rs12900686	-0.055	0.023	0.95 (0.90, 0.99)	0.019	0.313	0.231	20
Allergic asthma	EIF2AK4	cg20255370	rs12900686	-0.056	0.024	0.95 (0.90, 0.99)	0.019	0.313	0.239	20
Allergic asthma	TRIM27	cg27257926	rs209142	-0.245	0.105	0.78 (0.64, 0.96)	0.019	0.314	0.071	20
Allergic asthma	ATF3	cg23534142	rs56671266	-0.083	0.036	0.92 (0.86, 0.99)	0.020	0.315	0.095	20
Allergic asthma	TRAF1	cg04517263	rs1930785	0.220	0.095	1.25 (1.04, 1.50)	0.020	0.315	0.117	20
Allergic asthma	CTSB	cg00276098	rs1293312	-0.192	0.083	0.83 (0.70, 0.97)	0.020	0.315	0.181	20
Allergic asthma	KDM1A	cg23271558	rs2072945	-0.198	0.085	0.82 (0.69, 0.97)	0.020	0.315	0.936	20
Allergic asthma	BCL2L1	cg00300298	rs74384244	-0.119	0.051	0.89 (0.80, 0.98)	0.020	0.316	0.870	20

Allergic asthma	ATP13A2	cg22045253	rs56047197	0.064	0.028	1.07 (1.01, 1.13)	0.020	0.316	0.305	20
Allergic asthma	BLK	cg13440894	rs9693589	-0.211	0.091	0.81 (0.68, 0.97)	0.020	0.316	0.714	18
Allergic asthma	HIP1	cg26406292	rs10247961	0.235	0.102	1.27 (1.04, 1.54)	0.020	0.316	0.213	14
Allergic asthma	LIPA	cg11772224	rs2250781	0.152	0.066	1.16 (1.02, 1.32)	0.021	0.318	0.485	19
Allergic asthma	IL10RA	cg26661481	rs11216669	0.173	0.075	1.19 (1.03, 1.38)	0.021	0.318	0.461	9
Allergic asthma	PRKAG2	cg22513396	rs2536091	-0.174	0.075	0.84 (0.72, 0.97)	0.021	0.318	0.557	20
Allergic asthma	CLU	cg16292768	rs867230	-0.104	0.045	0.90 (0.83, 0.98)	0.021	0.318	0.835	20
Allergic asthma	SH3BP4	cg27577781	rs6732663	-0.102	0.044	0.90 (0.83, 0.98)	0.021	0.318	0.817	3
Allergic asthma	ELANE	cg11683663	rs3761008	-0.093	0.040	0.91 (0.84, 0.99)	0.021	0.322	0.115	16
Allergic asthma	TP73	cg22039909	rs41301973	0.134	0.058	1.14 (1.02, 1.28)	0.021	0.322	0.145	10
Allergic asthma	IL1A	cg23974023	rs3783520	0.125	0.054	1.13 (1.02, 1.26)	0.021	0.322	0.456	20
Allergic asthma	TCIRG1	cg20865778	rs79557925	-0.068	0.029	0.93 (0.88, 0.99)	0.022	0.325	0.263	20
Allergic asthma	TRIML1	cg03444122	rs62354295	0.150	0.066	1.16 (1.02, 1.32)	0.022	0.328	0.034	20
Allergic asthma	ELANE	cg02487452	rs3761008	-0.116	0.051	0.89 (0.81, 0.98)	0.022	0.329	0.097	15
Allergic asthma	TNFRSF1B	cg20680726	rs5746026	-0.065	0.029	0.94 (0.89, 0.99)	0.023	0.335	0.022	20
Allergic asthma	VPS4A	cg01115243	rs138940898	0.427	0.187	1.53 (1.06, 2.21)	0.023	0.335	0.012	20
Allergic asthma	SNX32	cg13467162	rs61895685	-0.105	0.046	0.90 (0.82, 0.99)	0.023	0.335	0.072	20
Allergic asthma	ITGAM	cg15337006	rs11865830	-0.213	0.094	0.81 (0.67, 0.97)	0.023	0.338	0.275	20
Allergic asthma	ATP13A2	cg06953703	rs9435739	0.208	0.092	1.23 (1.03, 1.47)	0.023	0.338	0.940	20
Allergic asthma	SLC39A8	cg14579898	rs151403	0.108	0.048	1.11 (1.01, 1.22)	0.024	0.343	0.312	20
Allergic asthma	VPS33A	cg09924998	rs11057290	-0.149	0.066	0.86 (0.76, 0.98)	0.024	0.346	0.056	20
Allergic asthma	HTT	cg15544235	rs7694687	-0.197	0.087	0.82 (0.69, 0.97)	0.024	0.346	0.419	20
Allergic asthma	DEPDC5	cg04112842	rs11703818	0.120	0.053	1.13 (1.02, 1.25)	0.024	0.346	0.198	20
Allergic asthma	ATP2A1	cg27473355	rs62037414	-0.176	0.078	0.84 (0.72, 0.98)	0.024	0.348	0.025	20
Allergic asthma	KEAP1	cg22779878	rs11882133	-0.140	0.062	0.87 (0.77, 0.98)	0.024	0.348	0.356	20
Allergic asthma	TFEB	cg10696677	rs2057068	-0.089	0.040	0.91 (0.85, 0.99)	0.025	0.349	0.680	20
Allergic asthma	GATA4	cg16810626	rs10101661	0.052	0.023	1.05 (1.01, 1.10)	0.025	0.356	0.016	20
Allergic asthma	ELANE	cg21586152	rs3761008	-0.180	0.080	0.84 (0.71, 0.98)	0.025	0.356	0.237	8
Allergic asthma	DBH	cg14368247	rs7864658	-0.187	0.084	0.83 (0.70, 0.98)	0.026	0.360	0.350	14
Allergic asthma	ALOX15	cg22280258	rs9890673	-0.209	0.094	0.81 (0.68, 0.98)	0.026	0.360	0.439	8
Allergic asthma	PPM1F	cg02377915	rs113498774	-0.069	0.031	0.93 (0.88, 0.99)	0.027	0.364	0.453	20
Allergic asthma	FOXK1	cg00064840	rs7784748	0.063	0.028	1.06 (1.01, 1.13)	0.027	0.364	0.828	15
Allergic asthma	PPT2	cg11122280	rs417035	0.449	0.202	1.57 (1.05, 2.33)	0.026	0.364	0.015	19
Allergic asthma	OPA1	cg05652783	rs78767626	-0.110	0.050	0.90 (0.81, 0.99)	0.027	0.364	0.528	20
Allergic asthma	SLC39A14	cg23563866	rs6994140	-0.140	0.063	0.87 (0.77, 0.98)	0.027	0.364	0.688	20
Allergic asthma	SYK	cg02608019	rs1333635	0.050	0.023	1.05 (1.01, 1.10)	0.027	0.364	0.930	20
Allergic asthma	MSX1	cg13882284	rs80183133	0.199	0.090	1.22 (1.02, 1.46)	0.027	0.364	0.988	15
Allergic asthma	FOXK1	cg13287553	rs7784748	0.071	0.032	1.07 (1.01, 1.14)	0.027	0.364	0.822	15
Allergic asthma	FOXK1	cg10118545	rs7784748	0.076	0.034	1.08 (1.01, 1.15)	0.027	0.364	0.832	14
Allergic asthma	SLC40A1	cg15599483	rs12693542	0.159	0.072	1.17 (1.02, 1.35)	0.027	0.364	0.593	20
Allergic asthma	ITGA6	cg15890754	rs4972764	-0.089	0.041	0.91 (0.84, 0.99)	0.028	0.378	0.997	20
Allergic asthma	MAP1LC3B;FBXO31	cg23636419	rs750957	-0.228	0.104	0.80 (0.65, 0.98)	0.029	0.379	0.144	20

Allergic asthma	RUFY4	cg01712671	rs6436023	-0.208	0.095	0.81 (0.67, 0.98)	0.029	0.380	0.853	20
Allergic asthma	SYK	cg13782919	rs2780701	-0.166	0.076	0.85 (0.73, 0.98)	0.029	0.380	0.855	20
Allergic asthma	WDR35	cg23516425	rs13006748	0.156	0.071	1.17 (1.02, 1.34)	0.029	0.380	0.752	20
Allergic asthma	CTSZ	cg03451557	rs163787	-0.175	0.080	0.84 (0.72, 0.98)	0.029	0.381	0.364	19
Allergic asthma	FYN	cg04657000	rs1887315	0.158	0.072	1.17 (1.02, 1.35)	0.029	0.381	0.561	20
Allergic asthma	TNFRSF25;PLEKHG5	cg23114616	rs77492523	-0.062	0.028	0.94 (0.89, 0.99)	0.030	0.381	0.089	20
Allergic asthma	PPT2	cg23660356	rs417035	0.606	0.278	1.83 (1.06, 3.16)	0.030	0.381	0.015	8
Allergic asthma	INF2	cg05210373	rs4247032	0.136	0.062	1.15 (1.01, 1.29)	0.029	0.381	0.967	20
Allergic asthma	INF2	cg04966159	rs4247032	0.138	0.063	1.15 (1.01, 1.30)	0.029	0.381	0.961	20
Allergic asthma	TNFRSF25;PLEKHG5	cg03893150	rs77492523	-0.080	0.037	0.92 (0.86, 0.99)	0.030	0.382	0.108	20
Allergic asthma	TRIM8	cg06662132	rs7475335	0.186	0.086	1.20 (1.02, 1.42)	0.030	0.382	0.110	20
Allergic asthma	ERBB3	cg17843101	rs7971751	0.150	0.069	1.16 (1.01, 1.33)	0.030	0.382	0.043	20
Allergic asthma	HIP1	cg19507725	rs12154679	0.099	0.046	1.10 (1.01, 1.21)	0.030	0.382	0.868	14
Allergic asthma	PPM1F	cg25898577	rs240067	-0.104	0.048	0.90 (0.82, 0.99)	0.030	0.383	0.094	20
Allergic asthma	LIPA	cg12555086	rs1412444	-0.028	0.013	0.97 (0.95, 1.00)	0.030	0.383	0.300	20
Allergic asthma	SYK	cg23447996	rs2780701	-0.185	0.086	0.83 (0.70, 0.98)	0.030	0.383	0.990	20
Allergic asthma	STK24	cg03461548	rs35368417	0.258	0.119	1.29 (1.02, 1.64)	0.030	0.383	0.229	20
Allergic asthma	ATF6	cg19735514	rs61802507	-0.049	0.023	0.95 (0.91, 1.00)	0.031	0.386	0.361	20
Allergic asthma	RPTOR	cg16886414	rs9912406	-0.028	0.013	0.97 (0.95, 1.00)	0.031	0.386	0.783	20
Allergic asthma	NACC2	cg13923277	rs79105125	0.041	0.019	1.04 (1.00, 1.08)	0.031	0.386	0.169	20
Allergic asthma	NACC2	cg01612110	rs79105125	0.048	0.022	1.05 (1.00, 1.10)	0.031	0.386	0.216	20
Allergic asthma	FYN	cg16155724	rs1887315	0.184	0.085	1.20 (1.02, 1.42)	0.031	0.386	0.371	20
Allergic asthma	FOXK1	cg06287775	rs7781115	0.158	0.073	1.17 (1.01, 1.35)	0.031	0.386	0.527	9
Allergic asthma	AKT1	cg19645788	rs77631658	-0.059	0.027	0.94 (0.89, 0.99)	0.031	0.386	0.554	20
Allergic asthma	PRKAG2	cg01005180	rs2727553	-0.076	0.035	0.93 (0.86, 0.99)	0.031	0.386	0.795	20
Allergic asthma	PPP1R13B	cg09351176	rs2295140	0.226	0.105	1.25 (1.02, 1.54)	0.032	0.387	0.790	20
Allergic asthma	PPT2;PRRT1	cg01111041	rs417035	0.685	0.319	1.98 (1.06, 3.71)	0.032	0.389	0.084	19
Allergic asthma	PADI4	cg17747053	rs12739852	0.087	0.040	1.09 (1.01, 1.18)	0.032	0.389	0.901	20
Allergic asthma	ITGA6	cg06262280	rs4972764	-0.147	0.069	0.86 (0.75, 0.99)	0.032	0.389	0.928	12
Allergic asthma	ARSB	cg26470338	rs163124	0.034	0.016	1.03 (1.00, 1.07)	0.032	0.390	0.214	20
Allergic asthma	TCIRG1	cg08801887	rs10896289	-0.290	0.136	0.75 (0.57, 0.98)	0.032	0.390	0.121	20
Allergic asthma	PADI4	cg00702325	rs1748029	0.177	0.083	1.19 (1.01, 1.40)	0.032	0.390	0.952	20
Allergic asthma	CDH1	cg20716119	rs12923775	-0.122	0.057	0.89 (0.79, 0.99)	0.032	0.390	0.099	20
Allergic asthma	TNFRSF25;PLEKHG5	cg10539898	rs3138150	-0.144	0.067	0.87 (0.76, 0.99)	0.032	0.390	0.136	20
Allergic asthma	NACC2	cg21229179	rs79105125	-0.095	0.044	0.91 (0.83, 0.99)	0.033	0.391	0.085	20
Allergic asthma	GATA4	cg13434842	rs73203475	-0.155	0.073	0.86 (0.74, 0.99)	0.033	0.393	0.953	20
Allergic asthma	RPTOR	cg06343673	rs4969445	-0.030	0.014	0.97 (0.94, 1.00)	0.033	0.394	0.085	20
Allergic asthma	HYAL2	cg12150256	rs7642692	-0.127	0.060	0.88 (0.78, 0.99)	0.033	0.394	0.056	20
Allergic asthma	ATP6V0A2	cg17306339	rs113421547	-0.169	0.080	0.84 (0.72, 0.99)	0.034	0.401	0.965	20
Allergic asthma	RPTOR	cg08314949	rs8068506	-0.027	0.013	0.97 (0.95, 1.00)	0.034	0.401	0.776	20
Allergic asthma	RPTOR	cg12078154	rs8068506	-0.027	0.013	0.97 (0.95, 1.00)	0.034	0.401	0.808	20
Allergic asthma	CDH1	cg09406989	rs7203337	-0.046	0.022	0.95 (0.91, 1.00)	0.034	0.401	0.037	20

Allergic asthma	ATP6V0A1	cg20082357	rs9897504	-0.242	0.115	0.78 (0.63, 0.98)	0.034	0.401	0.879	20
Allergic asthma	RPTOR	cg13098428	rs4969277	-0.091	0.043	0.91 (0.84, 0.99)	0.034	0.401	0.204	20
Allergic asthma	PPM1F	cg27653384	rs240067	0.182	0.086	1.20 (1.01, 1.42)	0.035	0.405	0.724	20
Allergic asthma	TRIM5	cg03698359	rs72484712	-0.060	0.029	0.94 (0.89, 1.00)	0.035	0.405	0.883	20
Allergic asthma	FYN	cg14683699	rs9320380	-0.128	0.061	0.88 (0.78, 0.99)	0.035	0.405	0.569	20
Allergic asthma	CARS	cg17004353	rs74048783	0.058	0.029	1.06 (1.00, 1.12)	0.043	0.407	0.866	20
Allergic asthma	SPTLC2	cg14544289	rs2272587	-0.080	0.039	0.92 (0.86, 1.00)	0.041	0.407	0.821	20
Allergic asthma	CARS	cg25072766	rs74048783	0.062	0.031	1.06 (1.00, 1.13)	0.043	0.407	0.840	20
Allergic asthma	MSX1	cg20588069	rs3821949	-0.080	0.039	0.92 (0.86, 1.00)	0.037	0.407	0.905	20
Allergic asthma	WDR6	cg00383909	rs11552724	-0.033	0.016	0.97 (0.94, 1.00)	0.044	0.407	0.601	20
Allergic asthma	CARS	cg01104590	rs74048783	0.056	0.028	1.06 (1.00, 1.12)	0.043	0.407	0.650	20
Allergic asthma	RUFY4	cg18102446	rs13431952	0.036	0.018	1.04 (1.00, 1.07)	0.045	0.407	0.833	20
Allergic asthma	SPTLC2	cg18872420	rs2272587	-0.023	0.011	0.98 (0.96, 1.00)	0.040	0.407	0.539	20
Allergic asthma	MSX1	cg03335246	rs3821949	-0.070	0.033	0.93 (0.87, 1.00)	0.036	0.407	0.849	20
Allergic asthma	SLC40A1	cg10752008	rs1123109	0.042	0.020	1.04 (1.00, 1.09)	0.038	0.407	0.206	20
Allergic asthma	NOD1	cg12999366	rs2190504	-0.049	0.024	0.95 (0.91, 1.00)	0.042	0.407	0.399	20
Allergic asthma	BMF	cg09587957	rs8023845	-0.084	0.041	0.92 (0.85, 1.00)	0.043	0.407	0.065	19
Allergic asthma	MLKL	cg01046070	rs9932977	0.046	0.023	1.05 (1.00, 1.09)	0.044	0.407	0.935	20
Allergic asthma	MLKL	cg10284440	rs9932977	-0.039	0.019	0.96 (0.93, 1.00)	0.044	0.407	0.948	20
Allergic asthma	SLC30A7	cg01065905	rs74919999	-0.051	0.025	0.95 (0.90, 1.00)	0.042	0.407	0.663	20
Allergic asthma	FOXK1	cg10888348	rs7786525	0.061	0.030	1.06 (1.00, 1.13)	0.039	0.407	0.697	20
Allergic asthma	FOXK2	cg15292356	rs11651812	-0.046	0.022	0.95 (0.91, 1.00)	0.039	0.407	0.028	20
Allergic asthma	PHLDA3	cg00962755	rs12097997	-0.107	0.052	0.90 (0.81, 1.00)	0.040	0.407	0.490	20
Allergic asthma	CARS	cg14935025	rs17687673	0.086	0.042	1.09 (1.00, 1.18)	0.040	0.407	0.825	20
Allergic asthma	S100A9	cg06355720	rs80307105	-0.068	0.034	0.93 (0.88, 1.00)	0.044	0.407	0.559	17
Allergic asthma	GHITM	cg23027704	rs12415362	0.067	0.033	1.07 (1.00, 1.14)	0.040	0.407	0.612	20
Allergic asthma	PIK3CD	cg26573321	rs4240895	-0.038	0.018	0.96 (0.93, 1.00)	0.039	0.407	0.371	20
Allergic asthma	MLKL	cg02135682	rs9932977	-0.051	0.025	0.95 (0.90, 1.00)	0.044	0.407	0.818	20
Allergic asthma	AATF	cg11262262	rs7216758	-0.079	0.038	0.92 (0.86, 1.00)	0.040	0.407	0.022	20
Allergic asthma	CASP8	cg20608990	rs6731120	0.055	0.027	1.06 (1.00, 1.11)	0.045	0.407	0.652	20
Allergic asthma	STK24	cg20375836	rs61969450	0.063	0.031	1.06 (1.00, 1.13)	0.039	0.407	0.596	20
Allergic asthma	CPLX2	cg26303222	rs58156946	0.167	0.082	1.18 (1.01, 1.39)	0.042	0.407	0.580	13
Allergic asthma	CAV1	cg17469978	rs3807986	0.189	0.091	1.21 (1.01, 1.44)	0.037	0.407	0.175	20
Allergic asthma	TMEM39A	cg12184221	rs11720423	-0.160	0.078	0.85 (0.73, 0.99)	0.041	0.407	0.567	20
Allergic asthma	FOXK1	cg14582057	rs6973046	-0.094	0.046	0.91 (0.83, 1.00)	0.040	0.407	0.198	17
Allergic asthma	FOXK1	cg26800803	rs6973046	-0.075	0.037	0.93 (0.86, 1.00)	0.039	0.407	0.376	17
Allergic asthma	CAV1	cg07838272	rs3807986	0.180	0.086	1.20 (1.01, 1.42)	0.036	0.407	0.102	18
Allergic asthma	UNC13D	cg16354117	rs11870883	0.081	0.040	1.08 (1.00, 1.17)	0.043	0.407	0.432	20
Allergic asthma	IDUA	cg05327835	rs1131853	0.209	0.100	1.23 (1.01, 1.50)	0.037	0.407	0.327	20
Allergic asthma	CALCOCO2	cg04154812	rs606911	0.210	0.102	1.23 (1.01, 1.51)	0.040	0.407	0.042	15
Allergic asthma	PYCARD	cg00327577	rs4889639	-0.206	0.101	0.81 (0.67, 0.99)	0.040	0.407	0.619	13
Allergic asthma	TNFRSF25	cg02988775	rs77492523	0.300	0.146	1.35 (1.01, 1.80)	0.040	0.407	0.173	13

Allergic asthma	TNFRSF25;PLEKHG5	cg02064442	rs77492523	0.290	0.140	1.34 (1.01, 1.76)	0.039	0.407	0.273	15
Allergic asthma	KITLG	cg17399545	rs11104881	-0.203	0.100	0.82 (0.67, 0.99)	0.043	0.407	0.578	20
Allergic asthma	ATP6V0A2	cg21179092	rs7313261	-0.131	0.063	0.88 (0.78, 0.99)	0.036	0.407	0.034	20
Allergic asthma	UNC5B	cg18389931	rs61851258	0.168	0.081	1.18 (1.01, 1.39)	0.037	0.407	0.544	15
Allergic asthma	ING5	cg24048263	rs35145466	0.152	0.074	1.16 (1.01, 1.35)	0.039	0.407	0.315	20
Allergic asthma	ITPRIP	cg23387597	rs7913632	-0.159	0.079	0.85 (0.73, 0.99)	0.043	0.407	0.470	8
Allergic asthma	RPTOR	cg16896879	rs4969277	-0.113	0.054	0.89 (0.80, 0.99)	0.036	0.407	0.126	15
Allergic asthma	RPTOR	cg05548508	rs4969277	0.140	0.067	1.15 (1.01, 1.31)	0.038	0.407	0.194	20
Allergic asthma	SH3GLB1	cg11204830	rs263436	0.139	0.067	1.15 (1.01, 1.31)	0.037	0.407	0.637	20
Allergic asthma	RPTOR	cg00463485	rs4969445	-0.114	0.055	0.89 (0.80, 0.99)	0.037	0.407	0.163	20
Allergic asthma	RPTOR	cg01476242	rs4969443	-0.138	0.067	0.87 (0.76, 0.99)	0.038	0.407	0.240	19
Allergic asthma	RPTOR	cg23463786	rs9895861	-0.199	0.099	0.82 (0.67, 1.00)	0.045	0.407	0.213	6
Allergic asthma	POU4F1	cg23440004	rs9574240	-0.207	0.103	0.81 (0.66, 1.00)	0.045	0.407	0.148	18
Allergic asthma	PIK3CD	cg16895792	rs7518602	0.162	0.079	1.18 (1.01, 1.37)	0.040	0.407	0.310	20
Allergic asthma	C1orf200;PIK3CD	cg16597045	rs7518602	0.176	0.087	1.19 (1.01, 1.41)	0.042	0.407	0.307	20
Allergic asthma	PIK3CD	cg22045271	rs7518602	0.197	0.098	1.22 (1.01, 1.47)	0.044	0.407	0.137	20
Allergic asthma	ITPRIP	cg04935278	rs17884376	-0.149	0.074	0.86 (0.75, 1.00)	0.043	0.407	0.661	8
Allergic asthma	POU4F2	cg19597382	rs75445683	-0.081	0.038	0.92 (0.86, 0.99)	0.036	0.407	0.783	20
Allergic asthma	PRKAG2	cg07161146	rs116255223	0.137	0.067	1.15 (1.01, 1.31)	0.040	0.407	0.862	3
Allergic asthma	TPD52L1	cg15983584	rs509278	-0.115	0.057	0.89 (0.80, 1.00)	0.043	0.407	0.883	6
Allergic asthma	FYN	cg02755956	rs9487724	0.252	0.126	1.29 (1.01, 1.65)	0.045	0.407	0.089	20
Allergic asthma	C1orf200;PIK3CD	cg07793148	rs78021484	0.093	0.044	1.10 (1.01, 1.20)	0.036	0.407	0.562	20
Allergic asthma	CD84	cg21454485	rs9726326	-0.193	0.096	0.82 (0.68, 0.99)	0.044	0.407	0.031	20
Allergic asthma	BLK	cg19882315	rs62489069	0.167	0.083	1.18 (1.00, 1.39)	0.045	0.407	0.025	20
Allergic asthma	POU4F1	cg11806672	rs12428426	-0.149	0.073	0.86 (0.75, 0.99)	0.042	0.407	0.205	20
Allergic asthma	TNFRSF25	cg00087884	rs12092014	0.115	0.057	1.12 (1.00, 1.25)	0.042	0.407	0.247	20
Allergic asthma	SLC39A1;CRTC2	cg16262392	rs6724	0.140	0.069	1.15 (1.00, 1.32)	0.042	0.407	0.026	20
Allergic asthma	CX3CL1	cg06166915	rs62037087	0.201	0.099	1.22 (1.01, 1.49)	0.043	0.407	0.131	14
Allergic asthma	ABCA2	cg14485901	rs4880190	0.142	0.070	1.15 (1.00, 1.32)	0.043	0.407	0.436	20
Allergic asthma	MUC1	cg22500132	rs914615	0.146	0.072	1.16 (1.00, 1.33)	0.043	0.407	0.208	20
Allergic asthma	SLC40A1	cg19075346	rs1123109	-0.071	0.034	0.93 (0.87, 1.00)	0.039	0.407	0.256	20
Allergic asthma	FOXK1	cg18733230	rs7786525	0.136	0.067	1.15 (1.00, 1.31)	0.042	0.407	0.619	20
Allergic asthma	IGF2R	cg16111231	rs73019670	0.122	0.060	1.13 (1.00, 1.27)	0.043	0.407	0.932	14
Allergic asthma	SCRT2	cg18592561	rs79646638	0.095	0.047	1.10 (1.00, 1.21)	0.042	0.407	0.694	10
Allergic asthma	SORL1	cg17510957	rs147068669	0.119	0.059	1.13 (1.00, 1.26)	0.044	0.407	0.214	12
Allergic asthma	STK25	cg13788902	rs3771584	0.099	0.049	1.10 (1.00, 1.21)	0.042	0.407	0.363	20
Allergic asthma	STK25	cg19488206	rs7618	0.103	0.051	1.11 (1.00, 1.22)	0.044	0.407	0.367	20
Allergic asthma	GHITM	cg25783892	rs3814214	0.143	0.071	1.15 (1.00, 1.33)	0.044	0.407	0.713	20
Allergic asthma	MSX1	cg10266211	rs3821949	-0.146	0.073	0.86 (0.75, 1.00)	0.046	0.411	0.452	15
Allergic asthma	MAPK15	cg00910972	rs147068262	0.229	0.115	1.26 (1.00, 1.58)	0.047	0.420	0.548	6
Allergic asthma	NAGLU	cg19705541	rs629286	-0.136	0.069	0.87 (0.76, 1.00)	0.048	0.421	0.429	7
Allergic asthma	STXBP2	cg24433207	rs794070	-0.160	0.081	0.85 (0.73, 1.00)	0.048	0.422	0.631	20

Allergic asthma	RFFL	cg13672743	rs12450763	0.216	0.109	1.24 (1.00, 1.54)	0.048	0.422	0.095	20
Allergic asthma	SLC39A14	cg15257755	rs6558033	-0.057	0.029	0.94 (0.89, 1.00)	0.049	0.423	0.429	20
Allergic asthma	VDAC3	cg17910564	rs7004637	-0.146	0.074	0.86 (0.75, 1.00)	0.049	0.423	0.742	16
Allergic asthma	DAP	cg05473987	rs2964785	-0.176	0.089	0.84 (0.70, 1.00)	0.049	0.423	0.075	20
Allergic asthma	GATA4	cg23916205	rs745379	-0.051	0.026	0.95 (0.90, 1.00)	0.049	0.426	0.157	20
Allergic asthma	GGCT	cg23780937	rs38415	-0.184	0.094	0.83 (0.69, 1.00)	0.049	0.426	0.106	20
Allergic asthma	TP73	cg13943358	rs10910003	0.068	0.034	1.07 (1.00, 1.15)	0.049	0.426	0.931	20
Allergic asthma	GATA4	cg01546563	rs61277615	0.066	0.034	1.07 (1.00, 1.14)	0.050	0.427	0.947	20
Allergic asthma	NGF	cg07588253	rs80292044	-0.091	0.047	0.91 (0.83, 1.00)	0.050	0.427	0.998	20
Allergic asthma	PIP4K2C	cg20416037	rs775245	-0.097	0.049	0.91 (0.82, 1.00)	0.050	0.428	0.083	20
Allergic asthma	ZNF205	cg27419824	rs9931102	0.217	0.111	1.24 (1.00, 1.54)	0.050	0.428	0.138	16
Allergic asthma	BLK	cg15742700	rs2244234	-0.150	0.076	0.86 (0.74, 1.00)	0.050	0.428	0.022	20
Non-allergic asthma	GSDMB	cg10057218	rs7224129	-0.162	0.035	0.85 (0.79, 0.91)	4.27E-06	0.016	0.587	20
Non-allergic asthma	ORMDL3	cg10909506	rs4065275	-0.093	0.021	0.91 (0.87, 0.95)	1.36E-05	0.016	0.051	20
Non-allergic asthma	ORMDL3	cg18711369	rs4065275	-0.091	0.021	0.91 (0.88, 0.95)	1.34E-05	0.016	0.157	20
Non-allergic asthma	ORMDL3	cg19511844	rs12936231	0.253	0.060	1.29 (1.14, 1.45)	2.60E-05	0.026	0.624	20
Non-allergic asthma	HSPA1B	cg21080034	rs385306	-0.277	0.068	0.76 (0.66, 0.87)	4.26E-05	0.036	0.198	20
Non-allergic asthma	NEU1;SLC44A4	cg25560247	rs385306	0.358	0.093	1.43 (1.19, 1.72)	1.25E-04	0.082	0.069	20
Non-allergic asthma	CSF2	cg16565692	rs3864277	-0.287	0.079	0.75 (0.64, 0.88)	2.81E-04	0.128	0.066	20
Non-allergic asthma	FOXF1	cg03492747	rs1364225	-0.093	0.026	0.91 (0.87, 0.96)	3.93E-04	0.137	0.158	20
Non-allergic asthma	IRF1	cg15375424	rs7719499	0.123	0.035	1.13 (1.06, 1.21)	3.92E-04	0.137	0.026	20
Non-allergic asthma	PIP4K2C	cg26459339	rs7964896	0.058	0.016	1.06 (1.03, 1.09)	3.60E-04	0.137	0.111	20
Non-allergic asthma	PIP4K2C	cg09740308	rs7964896	0.063	0.018	1.07 (1.03, 1.10)	3.64E-04	0.137	0.066	20
Non-allergic asthma	GSDMB	cg12360886	rs2941519	-0.540	0.154	0.58 (0.43, 0.79)	4.66E-04	0.154	0.847	20
Non-allergic asthma	KAT5	cg22114498	rs2306363	-0.147	0.043	0.86 (0.79, 0.94)	7.08E-04	0.158	0.013	20
Non-allergic asthma	ULK1	cg15260428	rs9652059	-0.049	0.014	0.95 (0.93, 0.98)	5.45E-04	0.158	0.606	20
Non-allergic asthma	FOXF1	cg06602857	rs77626209	0.090	0.026	1.09 (1.04, 1.15)	6.73E-04	0.158	0.208	20
Non-allergic asthma	EYA3	cg27509347	rs72656584	0.327	0.097	1.39 (1.15, 1.68)	7.47E-04	0.158	0.167	6
Non-allergic asthma	WNT4	cg10606730	rs143040561	-0.169	0.049	0.84 (0.77, 0.93)	6.14E-04	0.158	0.381	18
Non-allergic asthma	FOXF1	cg05555338	rs1424019	0.212	0.062	1.24 (1.09, 1.40)	6.54E-04	0.158	0.118	20
Non-allergic asthma	PDLIM1	cg10266121	rs7101278	-0.202	0.060	0.82 (0.73, 0.92)	7.70E-04	0.158	0.256	20
Non-allergic asthma	KAT5	cg11327039	rs2306363	-0.186	0.055	0.83 (0.75, 0.93)	8.12E-04	0.161	0.042	20
Non-allergic asthma	BLK	cg24861686	rs10097870	-0.155	0.047	0.86 (0.78, 0.94)	9.15E-04	0.165	0.132	20
Non-allergic asthma	IRF1	cg25410123	rs41525648	0.362	0.109	1.44 (1.16, 1.78)	9.07E-04	0.165	0.143	20
Non-allergic asthma	GATA4	cg23972785	rs10086500	-0.131	0.040	0.88 (0.81, 0.95)	0.001	0.174	0.015	20
Non-allergic asthma	E2F1	cg00509772	rs3213183	0.221	0.068	1.25 (1.09, 1.42)	0.001	0.174	0.588	20
Non-allergic asthma	MAPK3	cg00192773	rs78564187	0.333	0.102	1.40 (1.14, 1.70)	0.001	0.174	0.129	16
Non-allergic asthma	PDLIM1	cg19190632	rs6583987	0.265	0.082	1.30 (1.11, 1.53)	0.001	0.176	0.272	20
Non-allergic asthma	GATA2	cg04535236	rs55686439	-0.086	0.027	0.92 (0.87, 0.97)	0.002	0.181	0.018	20
Non-allergic asthma	COL2A1	cg05342945	rs6580647	0.198	0.063	1.22 (1.08, 1.38)	0.002	0.181	0.998	20
Non-allergic asthma	BLK	cg04335815	rs2409797	-0.210	0.067	0.81 (0.71, 0.92)	0.002	0.181	0.271	20
Non-allergic asthma	FOXF1	cg01695533	rs1364225	0.367	0.116	1.44 (1.15, 1.81)	0.002	0.181	0.077	20

Non-allergic asthma	GSDMA	cg08995595	rs12603481	-0.277	0.087	0.76 (0.64, 0.90)	0.001	0.181	0.040	20
Non-allergic asthma	GATA4	cg04880278	rs35928010	-0.269	0.084	0.76 (0.65, 0.90)	0.001	0.181	0.151	20
Non-allergic asthma	COL2A1	cg17342302	rs7132668	-0.249	0.078	0.78 (0.67, 0.91)	0.001	0.181	0.998	20
Non-allergic asthma	PPT2	cg27631107	rs9469089	0.218	0.068	1.24 (1.09, 1.42)	0.001	0.181	0.013	20
Non-allergic asthma	FOXF1	cg03366439	rs77626209	0.280	0.088	1.32 (1.11, 1.57)	0.001	0.181	0.297	20
Non-allergic asthma	COL2A1	cg19066141	rs1635528	0.175	0.055	1.19 (1.07, 1.33)	0.001	0.181	0.985	20
Non-allergic asthma	IRF1	cg15421363	rs2549002	0.229	0.073	1.26 (1.09, 1.45)	0.002	0.181	0.023	20
Non-allergic asthma	COL2A1	cg18990042	rs3803183	0.212	0.068	1.24 (1.08, 1.41)	0.002	0.200	0.814	20
Non-allergic asthma	LACRT	cg07855572	rs10876571	-0.129	0.042	0.88 (0.81, 0.95)	0.002	0.205	0.059	20
Non-allergic asthma	SLC39A12	cg23335976	rs12359511	-0.159	0.053	0.85 (0.77, 0.95)	0.003	0.248	0.500	20
Non-allergic asthma	COL2A1	cg08886711	rs3803183	0.274	0.092	1.31 (1.10, 1.57)	0.003	0.260	0.772	20
Non-allergic asthma	GSDMA	cg26162295	rs55739615	-0.059	0.020	0.94 (0.91, 0.98)	0.003	0.269	0.028	20
Non-allergic asthma	GSDMA	cg24910161	rs55739615	-0.056	0.019	0.95 (0.91, 0.98)	0.003	0.269	0.012	20
Non-allergic asthma	GSDMA	cg06589596	rs35557848	0.160	0.055	1.17 (1.05, 1.31)	0.004	0.279	0.089	20
Non-allergic asthma	IREB2	cg18825076	rs17484524	-0.049	0.017	0.95 (0.92, 0.98)	0.004	0.279	0.422	20
Non-allergic asthma	SLC39A12	cg26550234	rs12262907	0.252	0.086	1.29 (1.09, 1.52)	0.003	0.279	0.454	10
Non-allergic asthma	COL2A1	cg12235144	rs6580649	-0.231	0.080	0.79 (0.68, 0.93)	0.004	0.279	0.922	20
Non-allergic asthma	DEPDC5	cg04112842	rs11703818	0.184	0.064	1.20 (1.06, 1.36)	0.004	0.279	0.645	20
Non-allergic asthma	DDX47	cg13523561	rs56303669	0.159	0.055	1.17 (1.05, 1.31)	0.004	0.279	0.227	10
Non-allergic asthma	PIK3R2	cg14957748	rs123203	-0.132	0.045	0.88 (0.80, 0.96)	0.004	0.279	0.201	18
Non-allergic asthma	WWOX	cg10855967	rs11545028	-0.090	0.032	0.91 (0.86, 0.97)	0.004	0.297	0.515	20
Non-allergic asthma	CLEC16A	cg27227804	rs7403919	-0.178	0.063	0.84 (0.74, 0.95)	0.005	0.302	0.736	20
Non-allergic asthma	ALOX5	cg05026102	rs1339746	0.286	0.101	1.33 (1.09, 1.62)	0.005	0.302	0.482	20
Non-allergic asthma	ERBB3	cg10869879	rs7955865	-0.159	0.056	0.85 (0.76, 0.95)	0.005	0.302	0.626	20
Non-allergic asthma	TNFRSF1A	cg23320693	rs767455	-0.150	0.053	0.86 (0.78, 0.95)	0.005	0.302	0.159	16
Non-allergic asthma	IREB2	cg19941054	rs2089162	0.175	0.062	1.19 (1.05, 1.34)	0.005	0.303	0.101	20
Non-allergic asthma	UNC13D	cg23891399	rs7210574	-0.049	0.018	0.95 (0.92, 0.99)	0.006	0.327	0.245	20
Non-allergic asthma	UNC13D	cg07010633	rs7210574	-0.050	0.018	0.95 (0.92, 0.99)	0.006	0.327	0.200	20
Non-allergic asthma	UNC13D	cg12407791	rs7210574	-0.047	0.017	0.95 (0.92, 0.99)	0.005	0.327	0.217	20
Non-allergic asthma	UNC13D	cg02880508	rs7210574	-0.079	0.029	0.92 (0.87, 0.98)	0.006	0.330	0.332	20
Non-allergic asthma	CSF2	cg16465129	rs3916443	-0.250	0.091	0.78 (0.65, 0.93)	0.006	0.330	0.090	20
Non-allergic asthma	PDLIM1	cg25968326	rs6583989	-0.220	0.080	0.80 (0.69, 0.94)	0.006	0.330	0.020	7
Non-allergic asthma	PDLIM1	cg18389639	rs12219240	-0.114	0.042	0.89 (0.82, 0.97)	0.007	0.344	0.263	9
Non-allergic asthma	EIF2AK2	cg23820429	rs2373188	0.494	0.181	1.64 (1.15, 2.34)	0.006	0.344	0.098	20
Non-allergic asthma	GATA4	cg12637676	rs13278982	0.282	0.103	1.33 (1.08, 1.62)	0.006	0.344	0.270	20
Non-allergic asthma	ERBB3	cg00907267	rs7955865	-0.257	0.094	0.77 (0.64, 0.93)	0.006	0.344	0.436	19
Non-allergic asthma	UNC13D	cg17075258	rs7210574	-0.143	0.052	0.87 (0.78, 0.96)	0.006	0.344	0.201	20
Non-allergic asthma	TOMM7	cg03711348	rs34856568	0.361	0.133	1.43 (1.11, 1.86)	0.007	0.345	0.585	12
Non-allergic asthma	IREB2	cg13714459	rs2656065	0.154	0.057	1.17 (1.04, 1.30)	0.007	0.347	0.112	20
Non-allergic asthma	PDLIM1	cg06542614	rs12219240	-0.133	0.049	0.88 (0.80, 0.96)	0.007	0.347	0.446	20
Non-allergic asthma	ZMYND11	cg26100059	rs1431845	-0.200	0.074	0.82 (0.71, 0.95)	0.007	0.358	0.313	20
Non-allergic asthma	BLK	cg15742700	rs2244234	-0.250	0.093	0.78 (0.65, 0.93)	0.007	0.358	0.133	20

Non-allergic asthma	GPSM1;LOC26102	cg13683534	rs11145891	0.148	0.055	1.16 (1.04, 1.29)	0.007	0.358	0.952	20
Non-allergic asthma	SMCR8	cg19346202	rs4924845	-0.134	0.050	0.87 (0.79, 0.96)	0.008	0.365	0.223	20
Non-allergic asthma	MSX1	cg25144207	rs8670	0.169	0.064	1.18 (1.05, 1.34)	0.008	0.374	0.756	20
Non-allergic asthma	PIP4K2A	cg03771739	rs10828316	0.331	0.126	1.39 (1.09, 1.78)	0.008	0.392	0.675	20
Non-allergic asthma	GLS	cg05607461	rs7562400	-0.264	0.101	0.77 (0.63, 0.93)	0.009	0.392	0.668	20
Non-allergic asthma	ERBB3	cg17843101	rs7971751	0.214	0.081	1.24 (1.06, 1.45)	0.009	0.392	0.392	20
Non-allergic asthma	SYNPO2	cg12973294	rs78448537	0.074	0.028	1.08 (1.02, 1.14)	0.009	0.393	0.040	20
Non-allergic asthma	TGFB1	cg20748073	rs16958999	0.178	0.068	1.20 (1.05, 1.37)	0.009	0.407	0.646	20
Non-allergic asthma	SYNPO2	cg17200999	rs1846	0.357	0.137	1.43 (1.09, 1.87)	0.009	0.413	0.591	20
Non-allergic asthma	ULK1	cg21649013	rs78570824	-0.115	0.044	0.89 (0.82, 0.97)	0.009	0.419	0.585	20
Non-allergic asthma	ACSL1	cg07730946	rs12512699	-0.340	0.132	0.71 (0.55, 0.92)	0.010	0.439	0.720	20
Non-allergic asthma	ULK1	cg07746532	rs78172903	0.340	0.133	1.40 (1.08, 1.82)	0.011	0.456	0.541	15
Non-allergic asthma	GPSM1	cg13799504	rs3829109	-0.049	0.019	0.95 (0.92, 0.99)	0.011	0.457	0.577	20
Non-allergic asthma	SYNPO2	cg14717666	rs58527730	0.054	0.021	1.06 (1.01, 1.10)	0.011	0.457	0.035	20
Non-allergic asthma	PRKAG2	cg07804434	rs34244587	0.048	0.019	1.05 (1.01, 1.09)	0.011	0.457	0.558	20
Non-allergic asthma	CHMP6	cg05640423	rs9989483	-0.034	0.013	0.97 (0.94, 0.99)	0.011	0.457	0.387	20
Non-allergic asthma	TNFRSF1A	cg11268190	rs4149570	-0.049	0.019	0.95 (0.92, 0.99)	0.011	0.457	0.257	10
Non-allergic asthma	TNFRSF1A	cg09043214	rs4149570	-0.060	0.024	0.94 (0.90, 0.99)	0.011	0.457	0.295	10
Non-allergic asthma	TNFRSF1A	cg00556515	rs4149570	-0.049	0.019	0.95 (0.92, 0.99)	0.011	0.457	0.246	10
Non-allergic asthma	CAPN1	cg25363789	rs3953797	-0.049	0.019	0.95 (0.92, 0.99)	0.011	0.458	0.697	20
Non-allergic asthma	GPSM1;LOC26102	cg14164080	rs4418446	0.194	0.077	1.21 (1.04, 1.41)	0.011	0.458	0.976	20
Non-allergic asthma	CTTN	cg14191688	rs12795250	0.139	0.055	1.15 (1.03, 1.28)	0.011	0.458	0.928	20
Non-allergic asthma	TNFRSF1A	cg23752651	rs4149570	-0.089	0.035	0.92 (0.85, 0.98)	0.012	0.458	0.503	9
Non-allergic asthma	CLEC16A	cg04616529	rs7204099	0.104	0.041	1.11 (1.02, 1.20)	0.012	0.461	0.135	20
Non-allergic asthma	KIT	cg01819568	rs3819385	0.186	0.074	1.20 (1.04, 1.39)	0.012	0.461	0.045	20
Non-allergic asthma	TNFRSF1A	cg08418872	rs4149570	-0.123	0.049	0.88 (0.80, 0.97)	0.012	0.461	0.574	9
Non-allergic asthma	PARK7	cg25007680	rs2745722	-0.113	0.045	0.89 (0.82, 0.98)	0.012	0.461	0.291	20
Non-allergic asthma	GSDMA	cg10794714	rs4239225	-0.251	0.100	0.78 (0.64, 0.95)	0.012	0.467	0.065	20
Non-allergic asthma	GPSM1;LOC26102	cg14479136	rs4320648	-0.298	0.119	0.74 (0.59, 0.94)	0.013	0.471	0.503	20
Non-allergic asthma	ITM2C	cg17674726	rs62195288	-0.038	0.016	0.96 (0.93, 0.99)	0.018	0.472	0.561	20
Non-allergic asthma	LGMN	cg23168000	rs999292	-0.084	0.036	0.92 (0.86, 0.99)	0.019	0.472	0.898	20
Non-allergic asthma	FBXO31;MAP1LC3B	cg06750038	rs11117269	-0.070	0.030	0.93 (0.88, 0.99)	0.019	0.472	0.748	20
Non-allergic asthma	PYCARD	cg07461837	rs8056505	0.070	0.030	1.07 (1.01, 1.14)	0.020	0.472	0.562	20
Non-allergic asthma	DEF8	cg12064134	rs3803686	0.060	0.026	1.06 (1.01, 1.12)	0.019	0.472	0.264	20
Non-allergic asthma	RB1	cg24342013	rs3825417	0.060	0.026	1.06 (1.01, 1.12)	0.020	0.472	0.263	20
Non-allergic asthma	PPM1F	cg25898577	rs240067	-0.136	0.056	0.87 (0.78, 0.97)	0.015	0.472	0.752	20
Non-allergic asthma	ACSL1	cg07942479	rs28709399	-0.096	0.041	0.91 (0.84, 0.98)	0.020	0.472	0.596	20
Non-allergic asthma	CLTCL1	cg25970491	rs13447253	0.095	0.039	1.10 (1.02, 1.19)	0.016	0.472	0.011	20
Non-allergic asthma	RB1	cg11408952	rs3825417	0.060	0.026	1.06 (1.01, 1.12)	0.020	0.472	0.230	20
Non-allergic asthma	DEF8	cg05185784	rs3803686	0.066	0.028	1.07 (1.01, 1.13)	0.019	0.472	0.318	20
Non-allergic asthma	DEF8	cg04752812	rs78517194	-0.133	0.055	0.88 (0.79, 0.98)	0.016	0.472	0.043	20
Non-allergic asthma	P2RX7	cg00364287	rs7310821	-0.067	0.029	0.93 (0.88, 0.99)	0.020	0.472	0.624	20

Non-allergic asthma	DEF8	cg16504670	rs13335091	-0.153	0.064	0.86 (0.76, 0.97)	0.017	0.472	0.510	20
Non-allergic asthma	YWHAE	cg23643343	rs28365859	-0.173	0.070	0.84 (0.73, 0.97)	0.014	0.472	0.235	20
Non-allergic asthma	VPS26B	cg00517080	rs570113	-0.121	0.051	0.89 (0.80, 0.98)	0.017	0.472	0.737	20
Non-allergic asthma	VAMP8	cg23752985	rs6547624	-0.042	0.018	0.96 (0.93, 0.99)	0.020	0.472	0.722	20
Non-allergic asthma	MSX1	cg17814781	rs113018018	-0.155	0.065	0.86 (0.75, 0.97)	0.017	0.472	0.161	20
Non-allergic asthma	P2RX7	cg07203561	rs7310821	-0.068	0.029	0.93 (0.88, 0.99)	0.020	0.472	0.740	20
Non-allergic asthma	DEF8	cg03721293	rs78517194	-0.100	0.041	0.90 (0.83, 0.98)	0.015	0.472	0.054	20
Non-allergic asthma	TIRAP	cg07194166	rs611953	0.059	0.025	1.06 (1.01, 1.11)	0.021	0.472	0.858	20
Non-allergic asthma	RB1	cg27182551	rs3825417	0.076	0.033	1.08 (1.01, 1.15)	0.020	0.472	0.224	20
Non-allergic asthma	DEF8	cg25193494	rs3803686	0.073	0.031	1.08 (1.01, 1.14)	0.019	0.472	0.414	20
Non-allergic asthma	CAPN1	cg09620688	rs11605576	-0.151	0.064	0.86 (0.76, 0.97)	0.018	0.472	0.858	20
Non-allergic asthma	PPM1F	cg27653384	rs240067	0.237	0.101	1.27 (1.04, 1.54)	0.019	0.472	0.272	20
Non-allergic asthma	DDRGK1	cg27583383	rs6037501	0.174	0.073	1.19 (1.03, 1.37)	0.017	0.472	0.108	20
Non-allergic asthma	TOP3A;SMCR8	cg23045404	rs2605142	0.318	0.130	1.37 (1.07, 1.77)	0.014	0.472	0.317	14
Non-allergic asthma	TNF	cg11484872	rs1041981	0.327	0.134	1.39 (1.07, 1.80)	0.014	0.472	0.109	14
Non-allergic asthma	PIK3R2	cg05645812	rs273495	-0.286	0.117	0.75 (0.60, 0.94)	0.014	0.472	0.315	9
Non-allergic asthma	PRKAG2	cg26482626	rs2374307	0.281	0.115	1.32 (1.06, 1.66)	0.015	0.472	0.989	13
Non-allergic asthma	ENTPD4	cg04177885	rs17089244	-0.198	0.079	0.82 (0.70, 0.96)	0.013	0.472	0.042	20
Non-allergic asthma	CTTN	cg25587405	rs12801756	0.306	0.129	1.36 (1.05, 1.75)	0.018	0.472	0.744	10
Non-allergic asthma	STAT1	cg18766080	rs2014259	-0.308	0.130	0.74 (0.57, 0.95)	0.018	0.472	0.198	20
Non-allergic asthma	HIPK2	cg03202545	rs10954654	0.237	0.098	1.27 (1.05, 1.54)	0.016	0.472	0.122	15
Non-allergic asthma	CTTN	cg16061668	rs12801468	0.193	0.078	1.21 (1.04, 1.41)	0.014	0.472	0.920	17
Non-allergic asthma	CTTN	cg22720428	rs4570606	0.306	0.132	1.36 (1.05, 1.76)	0.021	0.472	0.679	14
Non-allergic asthma	CHMP6	cg20903433	rs9989475	-0.185	0.077	0.83 (0.71, 0.97)	0.016	0.472	0.238	19
Non-allergic asthma	CTTN	cg02011981	rs11236240	0.300	0.129	1.35 (1.05, 1.74)	0.020	0.472	0.596	13
Non-allergic asthma	CTTN	cg07005180	rs12802229	0.264	0.111	1.30 (1.05, 1.62)	0.018	0.472	0.983	13
Non-allergic asthma	CLTCL1	cg01861096	rs13447253	0.151	0.064	1.16 (1.03, 1.32)	0.018	0.472	0.085	20
Non-allergic asthma	JAK1	cg10873475	rs75585124	0.239	0.097	1.27 (1.05, 1.54)	0.014	0.472	0.686	20
Non-allergic asthma	PLA2G3	cg25937577	rs9606828	0.257	0.106	1.29 (1.05, 1.59)	0.016	0.472	0.121	20
Non-allergic asthma	PLA2G3	cg05815196	rs9606828	0.322	0.136	1.38 (1.06, 1.80)	0.018	0.472	0.102	20
Non-allergic asthma	PLA2G3	cg08457421	rs9606828	0.360	0.154	1.43 (1.06, 1.94)	0.020	0.472	0.061	13
Non-allergic asthma	PDK2	cg01717201	rs847693	-0.230	0.097	0.79 (0.66, 0.96)	0.017	0.472	0.307	17
Non-allergic asthma	CTTN	cg15465439	rs7944627	0.107	0.044	1.11 (1.02, 1.21)	0.015	0.472	0.954	20
Non-allergic asthma	ATP6V1C2	cg18436444	rs4630743	0.215	0.090	1.24 (1.04, 1.48)	0.017	0.472	0.159	20
Non-allergic asthma	PTGDR	cg02191312	rs11626204	0.295	0.127	1.34 (1.05, 1.72)	0.020	0.472	0.030	11
Non-allergic asthma	PPT2	cg14237933	rs9267817	0.183	0.078	1.20 (1.03, 1.40)	0.018	0.472	0.037	11
Non-allergic asthma	PPT2;PRRT1	cg19048176	rs9267817	-0.211	0.091	0.81 (0.68, 0.97)	0.020	0.472	0.010	10
Non-allergic asthma	CTTN	cg27326318	rs2298396	0.186	0.079	1.20 (1.03, 1.41)	0.018	0.472	0.892	18
Non-allergic asthma	PTPN2	cg15873449	rs35954636	-0.147	0.062	0.86 (0.76, 0.97)	0.017	0.472	0.252	20
Non-allergic asthma	NLRC4	cg22713339	rs148064223	-0.098	0.042	0.91 (0.83, 0.98)	0.020	0.472	0.068	16
Non-allergic asthma	AP3B2	cg09472203	rs79993096	0.201	0.086	1.22 (1.03, 1.45)	0.020	0.472	0.019	20
Non-allergic asthma	ERBB3	cg23731805	rs705696	-0.123	0.053	0.88 (0.80, 0.98)	0.020	0.472	0.330	20

Non-allergic asthma	TIRAP	cg15932284	rs672908	-0.155	0.067	0.86 (0.75, 0.98)	0.021	0.472	0.928	20
Non-allergic asthma	SNCA	cg01035160	rs1442134	0.267	0.115	1.31 (1.04, 1.64)	0.021	0.473	0.063	20
Non-allergic asthma	YAP1	cg20782778	rs11225132	0.071	0.031	1.07 (1.01, 1.14)	0.021	0.475	0.717	20
Non-allergic asthma	LGMN	cg22840852	rs146484701	-0.150	0.065	0.86 (0.76, 0.98)	0.021	0.480	0.463	15
Non-allergic asthma	P2RX7	cg07602200	rs7310821	-0.104	0.045	0.90 (0.82, 0.98)	0.022	0.480	0.588	20
Non-allergic asthma	HIP1	cg13702357	rs10236433	0.230	0.100	1.26 (1.03, 1.53)	0.022	0.483	0.946	5
Non-allergic asthma	ITM2C	cg02806733	rs934822	-0.093	0.041	0.91 (0.84, 0.99)	0.022	0.489	0.495	20
Non-allergic asthma	SNCA	cg02192967	rs6532198	0.213	0.093	1.24 (1.03, 1.49)	0.022	0.491	0.214	20
Non-allergic asthma	ATP10B	cg20963030	rs149126334	-0.072	0.032	0.93 (0.87, 0.99)	0.022	0.491	0.558	20
Non-allergic asthma	NEU1	cg13634177	rs3130455	-0.356	0.156	0.70 (0.52, 0.95)	0.023	0.493	0.011	20
Non-allergic asthma	CAPN1	cg05033401	rs11605576	-0.254	0.112	0.78 (0.62, 0.97)	0.023	0.493	0.422	20
Non-allergic asthma	CASP4	cg17552759	rs35309598	0.516	0.227	1.68 (1.07, 2.62)	0.023	0.497	0.321	17
Non-allergic asthma	NACC2	cg18768887	rs1717452	0.188	0.083	1.21 (1.03, 1.42)	0.023	0.497	0.205	9
Non-allergic asthma	CLU	cg03735511	rs9331888	-0.142	0.063	0.87 (0.77, 0.98)	0.023	0.497	0.696	18
Non-allergic asthma	BID	cg09896131	rs146104046	-0.179	0.079	0.84 (0.72, 0.98)	0.024	0.500	0.346	6
Non-allergic asthma	CAPZB	cg07573717	rs75797435	0.067	0.030	1.07 (1.01, 1.13)	0.024	0.500	0.153	15
Non-allergic asthma	GLS	cg21497043	rs11894425	-0.144	0.064	0.87 (0.76, 0.98)	0.024	0.500	0.829	20
Non-allergic asthma	IRF2	cg12453504	rs55876364	-0.220	0.098	0.80 (0.66, 0.97)	0.024	0.505	0.133	20
Non-allergic asthma	PIK3C3	cg00521887	rs28541909	-0.093	0.041	0.91 (0.84, 0.99)	0.025	0.505	0.561	20
Non-allergic asthma	CAPZB	cg11335264	rs75797435	0.109	0.049	1.12 (1.01, 1.23)	0.025	0.506	0.034	18
Non-allergic asthma	NACC2	cg22747092	rs11103328	0.212	0.095	1.24 (1.03, 1.49)	0.025	0.509	0.293	6
Non-allergic asthma	IL6R	cg20688791	rs11265611	0.195	0.087	1.22 (1.02, 1.44)	0.025	0.509	0.225	15
Non-allergic asthma	PTPN2	cg13431464	rs35923716	0.281	0.126	1.32 (1.03, 1.70)	0.026	0.514	0.115	11
Non-allergic asthma	AP1G1	cg10085824	rs2270832	-0.082	0.037	0.92 (0.86, 0.99)	0.026	0.515	0.838	20
Non-allergic asthma	DEF8	cg04591799	rs78260644	0.121	0.055	1.13 (1.01, 1.26)	0.027	0.517	0.012	20
Non-allergic asthma	ATP10B	cg01779806	rs4302627	-0.310	0.140	0.73 (0.56, 0.96)	0.027	0.517	0.664	17
Non-allergic asthma	CX3CL1	cg06166915	rs62037087	-0.258	0.116	0.77 (0.62, 0.97)	0.026	0.517	0.034	14
Non-allergic asthma	PIK3C3	cg12548782	rs11082256	0.121	0.054	1.13 (1.01, 1.26)	0.027	0.517	0.814	20
Non-allergic asthma	FIS1	cg03239279	rs184781527	0.096	0.043	1.10 (1.01, 1.20)	0.027	0.524	0.723	20
Non-allergic asthma	ITGAM	cg15817542	rs11859300	0.056	0.025	1.06 (1.01, 1.11)	0.027	0.525	0.740	20
Non-allergic asthma	ATP6V1C2	cg08803791	rs6737844	0.107	0.049	1.11 (1.01, 1.22)	0.027	0.525	0.768	20
Non-allergic asthma	CASP2	cg26596719	rs3181165	-0.051	0.023	0.95 (0.91, 0.99)	0.027	0.527	0.575	7
Non-allergic asthma	TP73	cg11504517	rs10752739	-0.086	0.039	0.92 (0.85, 0.99)	0.028	0.530	0.792	20
Non-allergic asthma	TICAM1	cg26648758	rs2292151	-0.119	0.054	0.89 (0.80, 0.99)	0.028	0.530	0.584	20
Non-allergic asthma	IL4R	cg01165142	rs2057768	0.296	0.135	1.34 (1.03, 1.75)	0.028	0.530	0.265	20
Non-allergic asthma	MKNK2	cg11881835	rs7409026	-0.090	0.041	0.91 (0.84, 0.99)	0.028	0.530	0.044	20
Non-allergic asthma	NEDD4	cg05129572	rs2414449	0.036	0.016	1.04 (1.00, 1.07)	0.029	0.531	0.035	20
Non-allergic asthma	SCOC	cg03963654	rs7692308	-0.110	0.050	0.90 (0.81, 0.99)	0.029	0.531	0.954	10
Non-allergic asthma	IL10RA	cg10145584	rs624931	0.278	0.128	1.32 (1.03, 1.70)	0.029	0.531	0.978	18
Non-allergic asthma	SCOC	cg24810741	rs9884525	0.326	0.149	1.39 (1.03, 1.86)	0.029	0.531	0.846	5
Non-allergic asthma	GCSH	cg07768763	rs4889225	-0.167	0.076	0.85 (0.73, 0.98)	0.029	0.531	0.289	20
Non-allergic asthma	PDK2	cg15067870	rs847695	0.162	0.074	1.18 (1.02, 1.36)	0.029	0.531	0.418	18

Non-allergic asthma	CAPZB	cg10970798	rs7540995	-0.117	0.054	0.89 (0.80, 0.99)	0.029	0.531	0.771	20
Non-allergic asthma	HIPK2	cg00363312	rs10954651	-0.104	0.048	0.90 (0.82, 0.99)	0.030	0.534	0.568	20
Non-allergic asthma	FGFR1	cg11547613	rs12114449	0.281	0.129	1.32 (1.03, 1.71)	0.030	0.534	0.103	8
Non-allergic asthma	TMEM150A	cg20254422	rs6733550	0.289	0.133	1.34 (1.03, 1.73)	0.030	0.534	0.919	20
Non-allergic asthma	RB1	cg13431205	rs3825417	0.261	0.120	1.30 (1.03, 1.64)	0.030	0.534	0.056	20
Non-allergic asthma	SCOC	cg06968674	rs7692308	-0.168	0.078	0.85 (0.73, 0.98)	0.030	0.536	0.726	10
Non-allergic asthma	FOXK2	cg20173014	rs12452440	-0.134	0.062	0.87 (0.77, 0.99)	0.030	0.537	0.532	20
Non-allergic asthma	PPM1F	cg01188914	rs9610691	-0.085	0.039	0.92 (0.85, 0.99)	0.031	0.540	0.067	20
Non-allergic asthma	PEBP1	cg00091483	rs7301950	0.285	0.133	1.33 (1.03, 1.72)	0.032	0.553	0.071	20
Non-allergic asthma	MTMR9	cg06240162	rs3808502	0.237	0.111	1.27 (1.02, 1.57)	0.033	0.571	0.220	20
Non-allergic asthma	LGMN	cg02628202	rs10873429	-0.084	0.040	0.92 (0.85, 0.99)	0.035	0.572	0.968	20
Non-allergic asthma	ZSWIM2	cg19535896	rs10201183	0.070	0.033	1.07 (1.01, 1.14)	0.035	0.572	0.372	20
Non-allergic asthma	TRIM27	cg23756442	rs3135293	-0.180	0.085	0.84 (0.71, 0.99)	0.034	0.572	0.925	20
Non-allergic asthma	WWOX	cg09466698	rs7200742	-0.059	0.028	0.94 (0.89, 1.00)	0.034	0.572	0.715	20
Non-allergic asthma	TRIM27	cg11073024	rs1794587	0.046	0.022	1.05 (1.00, 1.09)	0.035	0.572	0.315	20
Non-allergic asthma	ITPR1	cg11584376	rs9880589	0.072	0.034	1.07 (1.01, 1.15)	0.033	0.572	0.369	20
Non-allergic asthma	CTTN	cg17631184	rs34053053	-0.260	0.123	0.77 (0.61, 0.98)	0.034	0.572	0.461	16
Non-allergic asthma	MAP1LC3B;FBXO31	cg23636419	rs750957	-0.254	0.121	0.78 (0.61, 0.98)	0.035	0.572	0.890	20
Non-allergic asthma	PIP4K2A	cg09062038	rs7081744	0.196	0.092	1.22 (1.02, 1.46)	0.034	0.572	0.418	20
Non-allergic asthma	NBN	cg00797142	rs7822272	-0.132	0.062	0.88 (0.78, 0.99)	0.034	0.572	0.856	20
Non-allergic asthma	FNIP2	cg05615763	rs34033556	0.123	0.058	1.13 (1.01, 1.27)	0.034	0.572	0.380	20
Non-allergic asthma	RET	cg02780029	rs2505505	0.030	0.014	1.03 (1.00, 1.06)	0.037	0.575	0.383	20
Non-allergic asthma	PTGIS	cg08440266	rs6019908	-0.073	0.035	0.93 (0.87, 1.00)	0.036	0.575	0.669	20
Non-allergic asthma	PTGIS	cg07612655	rs56382860	-0.080	0.038	0.92 (0.86, 0.99)	0.036	0.575	0.539	19
Non-allergic asthma	NEU1;SLC44A4	cg00397479	rs9268158	-0.201	0.097	0.82 (0.68, 0.99)	0.037	0.575	0.011	20
Non-allergic asthma	PTGIS	cg08788055	rs56382860	-0.100	0.048	0.90 (0.82, 0.99)	0.037	0.575	0.601	17
Non-allergic asthma	PTGIS	cg14630601	rs56382860	-0.093	0.045	0.91 (0.83, 0.99)	0.037	0.575	0.712	19
Non-allergic asthma	CLTA	cg13630493	rs13287406	-0.191	0.091	0.83 (0.69, 0.99)	0.037	0.575	0.876	20
Non-allergic asthma	KDM1A	cg22683154	rs4620508	-0.270	0.128	0.76 (0.59, 0.98)	0.036	0.575	0.106	14
Non-allergic asthma	THBS1	cg10548034	rs2618162	-0.259	0.124	0.77 (0.61, 0.98)	0.036	0.575	0.762	20
Non-allergic asthma	PPM1F	cg25172145	rs62234972	-0.181	0.086	0.83 (0.70, 0.99)	0.035	0.575	0.699	20
Non-allergic asthma	CLEC16A	cg01144592	rs2160042	0.170	0.081	1.18 (1.01, 1.39)	0.036	0.575	0.199	20
Non-allergic asthma	LGMN	cg02139485	rs10873429	-0.107	0.051	0.90 (0.81, 0.99)	0.036	0.575	0.618	17
Non-allergic asthma	PPM1F	cg16520652	rs9607460	0.217	0.105	1.24 (1.01, 1.53)	0.038	0.576	0.162	20
Non-allergic asthma	ZSWIM2	cg05907046	rs72895306	0.150	0.072	1.16 (1.01, 1.34)	0.037	0.576	0.413	20
Non-allergic asthma	TRIM27	cg22900372	rs3135315	-0.061	0.029	0.94 (0.89, 1.00)	0.038	0.577	0.316	20
Non-allergic asthma	TRIM27	cg09292581	rs3129793	-0.279	0.134	0.76 (0.58, 0.98)	0.038	0.577	0.426	17
Non-allergic asthma	IL6R	cg17001401	rs12739228	-0.117	0.056	0.89 (0.80, 0.99)	0.038	0.577	0.667	18
Non-allergic asthma	FOXK1	cg05764847	rs7793919	-0.102	0.049	0.90 (0.82, 0.99)	0.038	0.582	0.361	12
Non-allergic asthma	FOXK1	cg19336198	rs62452150	0.174	0.084	1.19 (1.01, 1.40)	0.039	0.582	0.506	8
Non-allergic asthma	MAPK8IP2	cg27528247	rs131735	0.168	0.081	1.18 (1.01, 1.39)	0.039	0.582	0.997	20
Non-allergic asthma	RPTOR	cg03890538	rs11658452	-0.123	0.060	0.88 (0.79, 0.99)	0.039	0.588	0.340	20

Non-allergic asthma	NACC2	cg14147151	rs4842091	-0.104	0.050	0.90 (0.82, 0.99)	0.039	0.588	0.771	12
Non-allergic asthma	TNFRSF1A	cg14009561	rs1800692	-0.055	0.027	0.95 (0.90, 1.00)	0.040	0.590	0.229	9
Non-allergic asthma	RPTOR	cg02671711	rs9899051	-0.137	0.067	0.87 (0.76, 0.99)	0.040	0.590	0.537	20
Non-allergic asthma	PF4	cg01447579	rs2233650	-0.242	0.118	0.79 (0.62, 0.99)	0.041	0.592	0.087	20
Non-allergic asthma	WWOX	cg06252160	rs67933378	0.272	0.133	1.31 (1.01, 1.70)	0.040	0.592	0.551	20
Non-allergic asthma	IFI27	cg14352715	rs2239645	-0.171	0.084	0.84 (0.72, 0.99)	0.041	0.592	0.440	8
Non-allergic asthma	SNORD71;AP1G1	cg05708656	rs8052489	0.252	0.123	1.29 (1.01, 1.64)	0.041	0.592	0.432	20
Non-allergic asthma	ZSWIM2	cg14762973	rs13428262	0.224	0.110	1.25 (1.01, 1.55)	0.041	0.592	0.221	20
Non-allergic asthma	ZSWIM2	cg13135031	rs10201183	0.201	0.098	1.22 (1.01, 1.48)	0.040	0.592	0.280	20
Non-allergic asthma	CLEC16A	cg10390979	rs34306440	0.140	0.069	1.15 (1.01, 1.32)	0.041	0.592	0.401	20
Non-allergic asthma	SCOC	cg03033182	rs7692308	0.485	0.239	1.62 (1.02, 2.60)	0.042	0.596	0.344	4
Non-allergic asthma	FYN	cg08061598	rs9374281	-0.608	0.298	0.54 (0.30, 0.98)	0.041	0.596	0.138	17
Non-allergic asthma	PYCARD	cg00327577	rs4889639	-0.238	0.117	0.79 (0.63, 0.99)	0.042	0.596	0.897	13
Non-allergic asthma	FYN	cg09410830	rs17072801	-0.143	0.070	0.87 (0.75, 0.99)	0.042	0.596	0.594	7
Non-allergic asthma	PPM1F	cg26285749	rs2236726	-0.206	0.101	0.81 (0.67, 0.99)	0.042	0.596	0.122	20
Non-allergic asthma	SNX16	cg02079420	rs12676336	-0.057	0.028	0.94 (0.89, 1.00)	0.043	0.596	0.234	20
Non-allergic asthma	ZSWIM2	cg18950539	rs10201183	0.237	0.117	1.27 (1.01, 1.60)	0.043	0.596	0.580	20
Non-allergic asthma	MAP6	cg04548956	rs61895095	0.151	0.075	1.16 (1.00, 1.35)	0.043	0.596	0.159	9
Non-allergic asthma	LGMN	cg22803549	rs10873429	-0.168	0.083	0.85 (0.72, 0.99)	0.043	0.597	0.471	8
Non-allergic asthma	PTGIS	cg19577548	rs56382860	-0.213	0.105	0.81 (0.66, 0.99)	0.043	0.597	0.753	8
Non-allergic asthma	UNC13D	cg16354117	rs11870883	0.094	0.046	1.10 (1.00, 1.20)	0.044	0.601	0.452	20
Non-allergic asthma	PARK7	cg24342270	rs226249	-0.057	0.028	0.94 (0.89, 1.00)	0.046	0.601	0.964	20
Non-allergic asthma	SNX16	cg07697082	rs4739627	-0.070	0.035	0.93 (0.87, 1.00)	0.045	0.601	0.396	20
Non-allergic asthma	ITGAM	cg05625471	rs4594268	0.086	0.043	1.09 (1.00, 1.19)	0.046	0.601	0.583	20
Non-allergic asthma	FADS2	cg14911132	rs61897793	0.098	0.049	1.10 (1.00, 1.21)	0.046	0.601	0.753	20
Non-allergic asthma	RTKN2	cg09941381	rs12217669	0.066	0.033	1.07 (1.00, 1.14)	0.047	0.601	0.279	20
Non-allergic asthma	ITGAM	cg02256631	rs56392848	0.076	0.038	1.08 (1.00, 1.16)	0.045	0.601	0.696	20
Non-allergic asthma	CAPZB	cg12424867	rs12563442	-0.250	0.126	0.78 (0.61, 1.00)	0.048	0.601	0.568	20
Non-allergic asthma	DRAM1	cg10143723	rs79656532	0.101	0.051	1.11 (1.00, 1.22)	0.046	0.601	0.788	20
Non-allergic asthma	PTGIS	cg06357305	rs56382860	-0.250	0.126	0.78 (0.61, 1.00)	0.047	0.601	0.532	9
Non-allergic asthma	STX4	cg06233904	rs58726213	-0.128	0.064	0.88 (0.78, 1.00)	0.046	0.601	0.497	20
Non-allergic asthma	ZSWIM2	cg16516691	rs62171926	0.222	0.112	1.25 (1.00, 1.55)	0.047	0.601	0.155	20
Non-allergic asthma	LGMN	cg26329144	rs1242091	0.135	0.068	1.14 (1.00, 1.31)	0.047	0.601	0.573	20
Non-allergic asthma	LGMN	cg14521318	rs1242091	-0.146	0.074	0.86 (0.75, 1.00)	0.048	0.601	0.967	20
Non-allergic asthma	HEXB	cg26333638	rs2218517	0.216	0.109	1.24 (1.00, 1.54)	0.046	0.601	0.196	8
Non-allergic asthma	PIH1D1	cg26964117	rs11083974	0.133	0.067	1.14 (1.00, 1.30)	0.046	0.601	0.496	18
Non-allergic asthma	MMP9	cg23353432	rs13969	0.125	0.063	1.13 (1.00, 1.28)	0.047	0.601	0.469	20
Non-allergic asthma	NOS3	cg19475224	rs138595199	-0.063	0.032	0.94 (0.88, 1.00)	0.047	0.601	0.346	4
Non-allergic asthma	DCC	cg25602457	rs13381479	-0.100	0.050	0.90 (0.82, 1.00)	0.047	0.601	0.833	20
Non-allergic asthma	NACC2	cg14175330	rs4842091	-0.184	0.093	0.83 (0.69, 1.00)	0.048	0.602	0.149	7
Non-allergic asthma	LAPTM4A	cg11245806	rs1513830	-0.071	0.036	0.93 (0.87, 1.00)	0.049	0.604	0.953	20
Non-allergic asthma	TMEM109	cg14132103	rs4939474	0.164	0.083	1.18 (1.00, 1.39)	0.049	0.605	0.393	20

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SMR, Summary data-level Mendelian randomization; OR, odds ratio; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim;

Table S5. Sensitivity analysis of associations between PCD-related gene methylation and asthma*

Outcome	Gene	probeID	nSNP	Method	Beta	SE	OR (95%CI)	P	Egger_intercept	P_Egger_intercept
Overall asthma	ORMDL3	cg22144450	9	Inverse variance weighted	-0.155	0.021	0.86 (0.82, 0.89)	2.12E-13	-0.014	0.442
Overall asthma	ORMDL3	cg18711369	14	Inverse variance weighted	-0.099	0.013	0.91 (0.88, 0.93)	3.56E-14	-0.007	0.601
Overall asthma	ORMDL3	cg10909506	17	Inverse variance weighted	-0.099	0.011	0.91 (0.89, 0.93)	5.49E-20	-0.006	0.623
Overall asthma	GSDMB	cg10057218	8	Inverse variance weighted	-0.156	0.022	0.86 (0.82, 0.89)	9.14E-13	-0.003	0.844
Overall asthma	GSDMB	cg27435903	3	Inverse variance weighted	0.211	0.023	1.23 (1.18, 1.29)	2.48E-19	-0.018	0.580
Overall asthma	ORMDL3	cg19511844	1	Wald ratio	0.256	0.061	1.29 (1.15, 1.46)	2.67E-05	NA	NA
Overall asthma	IL13	cg04303330	4	Inverse variance weighted	-0.220	0.045	0.80 (0.73, 0.88)	7.96E-07	-0.028	0.306
Overall asthma	IL13	cg13566430	4	Inverse variance weighted	-0.257	0.054	0.77 (0.70, 0.86)	2.31E-06	-0.026	0.410
Overall asthma	CLEC16A	cg10390979	1	Wald ratio	0.288	0.040	1.33 (1.23, 1.44)	7.68E-13	NA	NA
Overall asthma	ERBB3	cg10869879	1	Wald ratio	-0.183	0.033	0.83 (0.78, 0.89)	2.14E-08	NA	NA
Overall asthma	ERBB3	cg23731805	1	Wald ratio	-0.167	0.030	0.85 (0.80, 0.90)	3.80E-08	NA	NA
Overall asthma	FADS2	cg19610905	14	Inverse variance weighted	0.044	0.008	1.04 (1.03, 1.06)	7.39E-08	-0.010	0.185
Overall asthma	FADS2	cg11250194	16	Inverse variance weighted	0.047	0.008	1.05 (1.03, 1.06)	1.35E-09	-0.004	0.549
Overall asthma	GSDMA	cg10794714	1	Wald ratio	-0.345	0.056	0.71 (0.63, 0.79)	1.03E-09	NA	NA
Overall asthma	ERBB3	cg00907267	1	Wald ratio	-0.297	0.053	0.74 (0.67, 0.82)	2.14E-08	NA	NA
Overall asthma	GSDMB	cg12360886	1	Wald ratio	-0.552	0.074	0.58 (0.50, 0.67)	6.38E-14	NA	NA
Overall asthma	ERBB3	cg17843101	1	Wald ratio	0.238	0.047	1.27 (1.16, 1.39)	3.32E-07	NA	NA
Overall asthma	FADS2	cg07005513	1	Wald ratio	0.251	0.049	1.29 (1.17, 1.42)	3.40E-07	NA	NA
Overall asthma	UNC13D	cg16354117	1	Wald ratio	0.110	0.025	1.12 (1.06, 1.17)	8.41E-06	NA	NA
Overall asthma	FADS2	cg07591205	1	Wald ratio	-0.260	0.051	0.77 (0.70, 0.85)	3.40E-07	NA	NA
Overall asthma	CSF2	cg16465129	2	Inverse variance weighted	-0.197	0.043	0.82 (0.76, 0.89)	3.68E-06	NA	NA
Overall asthma	STK25	cg09289202	33	Inverse variance weighted	-0.040	0.006	0.96 (0.95, 0.97)	2.49E-10	-0.007	0.281
Overall asthma	FADS2	cg01400685	13	Inverse variance weighted	0.051	0.009	1.05 (1.03, 1.07)	2.21E-08	-0.004	0.541
Overall asthma	FADS2	cg21709803	12	Inverse variance weighted	0.056	0.009	1.06 (1.04, 1.08)	7.40E-10	0.004	0.595
Overall asthma	FADS2	cg00603274	15	Inverse variance weighted	0.053	0.009	1.05 (1.04, 1.07)	7.20E-10	-0.003	0.615
Overall asthma	FADS2	cg06781209	16	Inverse variance weighted	0.047	0.009	1.05 (1.03, 1.07)	6.90E-08	-0.002	0.762
Overall asthma	STAT5A	cg05117208	2	Inverse variance weighted	0.119	0.029	1.13 (1.06, 1.19)	3.92E-05	NA	NA
Overall asthma	IL6	cg13104385	28	Inverse variance weighted	0.033	0.007	1.03 (1.02, 1.05)	5.68E-07	0.008	0.188
Overall asthma	IL6	cg05265849	21	Inverse variance weighted	0.036	0.008	1.04 (1.02, 1.05)	2.47E-06	-0.002	0.778
Overall asthma	IL6	cg05472934	19	Inverse variance weighted	0.045	0.011	1.05 (1.02, 1.07)	8.11E-05	0.007	0.372
Overall asthma	CSF2	cg16565692	1	Wald ratio	-0.172	0.041	0.84 (0.78, 0.91)	2.37E-05	NA	NA
Overall asthma	STAT5B	cg18810026	1	Wald ratio	0.132	0.032	1.14 (1.07, 1.22)	4.13E-05	NA	NA
Overall asthma	STAT5A	cg20388732	1	Wald ratio	0.148	0.036	1.16 (1.08, 1.24)	4.13E-05	NA	NA
Overall asthma	FADS2	cg14911132	6	Inverse variance weighted	0.100	0.017	1.11 (1.07, 1.14)	2.15E-09	0.007	0.579
Overall asthma	SNX32	cg13467162	1	Wald ratio	-0.134	0.034	0.87 (0.82, 0.93)	6.33E-05	NA	NA
Overall asthma	STAT5B	cg19465320	2	Inverse variance weighted	-0.184	0.036	0.83 (0.78, 0.89)	2.21E-07	NA	NA
Overall asthma	CDH1	cg09220040	7	Inverse variance weighted	-0.090	0.016	0.91 (0.89, 0.94)	6.41E-09	-0.013	0.266
Overall asthma	GATA4	cg16810626	22	Inverse variance weighted	0.068	0.010	1.07 (1.05, 1.09)	1.85E-11	0.006	0.448
Overall asthma	BLK	cg04335815	3	Inverse variance weighted	-0.112	0.031	0.89 (0.84, 0.95)	2.99E-04	0.124	0.373
Overall asthma	TPCN2	cg16709353	13	Inverse variance weighted	-0.050	0.009	0.95 (0.93, 0.97)	9.34E-08	0.008	0.375

Overall asthma	IL4R	cg01165142	1	Wald ratio	0.340	0.069	1.41 (1.23, 1.61)	9.58E-07	NA	NA
Overall asthma	CDH1	cg13920367	15	Inverse variance weighted	-0.061	0.010	0.94 (0.92, 0.96)	4.96E-10	0.001	0.909
Overall asthma	STAT5A	cg03001305	1	Wald ratio	-0.188	0.046	0.83 (0.76, 0.91)	4.13E-05	NA	NA
Overall asthma	STAT5A	cg06357561	1	Wald ratio	-0.201	0.049	0.82 (0.74, 0.90)	4.13E-05	NA	NA
Overall asthma	TPCN2	cg01403660	13	Inverse variance weighted	0.049	0.010	1.05 (1.03, 1.07)	1.26E-06	-0.009	0.406
Overall asthma	SNX32	cg06678084	1	Wald ratio	-0.205	0.050	0.81 (0.74, 0.90)	4.56E-05	NA	NA
Overall asthma	BLK	cg24861686	13	Inverse variance weighted	-0.058	0.019	0.94 (0.91, 0.98)	0.002	0.015	0.386
Overall asthma	TPCN2	cg12152352	9	Inverse variance weighted	0.043	0.020	1.04 (1.00, 1.09)	0.035	-0.029	0.134
Overall asthma	TPCN2	cg01993067	5	Inverse variance weighted	0.062	0.026	1.06 (1.01, 1.12)	0.017	-0.033	0.106
Overall asthma	ING5	cg11463903	16	Inverse variance weighted	-0.062	0.029	0.94 (0.89, 1.00)	0.033	-0.018	0.539
Overall asthma	FADS2	cg16576620	1	Wald ratio	0.243	0.060	1.28 (1.13, 1.43)	4.44E-05	NA	NA
Overall asthma	IDUA	cg14652403	7	Inverse variance weighted	0.069	0.019	1.07 (1.03, 1.11)	2.56E-04	-0.017	0.275
Overall asthma	BCL3	cg26470501	7	Inverse variance weighted	0.124	0.020	1.13 (1.09, 1.18)	2.43E-10	0.004	0.724
Overall asthma	UNC13D	cg01430390	4	Inverse variance weighted	-0.064	0.032	0.94 (0.88, 1.00)	0.045	-0.004	0.887
Overall asthma	PPP2R1B	cg09085632	10	Inverse variance weighted	-0.039	0.009	0.96 (0.94, 0.98)	3.49E-05	0.006	0.468
Overall asthma	P2RX4	cg20966272	1	Wald ratio	-0.120	0.034	0.89 (0.83, 0.95)	4.25E-04	NA	NA
Overall asthma	PDLIM1	cg02338345	4	Inverse variance weighted	-0.073	0.024	0.93 (0.89, 0.97)	0.002	0.032	0.307
Overall asthma	TNF	cg11484872	1	Wald ratio	0.296	0.071	1.34 (1.17, 1.55)	3.45E-05	NA	NA
Overall asthma	UNC13D	cg14715778	1	Wald ratio	0.146	0.042	1.16 (1.07, 1.26)	4.65E-04	NA	NA
Overall asthma	GATA4	cg12637676	1	Wald ratio	0.219	0.058	1.25 (1.11, 1.39)	1.45E-04	NA	NA
Overall asthma	FADS2	cg07999042	1	Wald ratio	-0.274	0.070	0.76 (0.66, 0.87)	8.98E-05	NA	NA
Overall asthma	CASP8	cg20608990	11	Inverse variance weighted	0.059	0.013	1.06 (1.04, 1.09)	2.18E-06	0.013	0.190
Overall asthma	FOXK1	cg06846441	1	Wald ratio	-0.107	0.032	0.90 (0.84, 0.96)	8.58E-04	NA	NA
Overall asthma	NCKAP1	cg09997497	2	Inverse variance weighted	-0.095	0.030	0.91 (0.86, 0.96)	0.001	NA	NA
Overall asthma	FOXK1	cg15176413	3	Inverse variance weighted	-0.069	0.018	0.93 (0.90, 0.97)	1.57E-04	-0.010	0.730
Overall asthma	FOXK1	cg20349812	3	Inverse variance weighted	-0.072	0.020	0.93 (0.90, 0.97)	2.14E-04	-0.015	0.572
Overall asthma	PPP2R1B	cg18213857	10	Inverse variance weighted	-0.039	0.009	0.96 (0.94, 0.98)	3.83E-05	0.006	0.457
Overall asthma	FOXK1	cg26800803	2	Inverse variance weighted	-0.086	0.023	0.92 (0.88, 0.96)	1.57E-04	NA	NA
Overall asthma	GATA4	cg24387126	9	Inverse variance weighted	-0.062	0.016	0.94 (0.91, 0.97)	7.17E-05	-0.017	0.166
Overall asthma	GATA4	cg01644798	8	Inverse variance weighted	-0.071	0.019	0.93 (0.90, 0.97)	2.04E-04	-0.020	0.182
Overall asthma	FOXK1	cg05117982	3	Inverse variance weighted	-0.085	0.023	0.92 (0.88, 0.96)	2.57E-04	-0.017	0.514
Overall asthma	MADD	cg23844623	2	Inverse variance weighted	-0.103	0.028	0.90 (0.85, 0.95)	2.72E-04	NA	NA
Overall asthma	FOXK1	cg14582057	2	Inverse variance weighted	-0.106	0.028	0.90 (0.85, 0.95)	1.51E-04	NA	NA
Overall asthma	CBL	cg22414151	1	Wald ratio	0.093	0.029	1.10 (1.04, 1.16)	0.001	NA	NA
Overall asthma	UNC13D	cg02627403	12	Inverse variance weighted	-0.036	0.015	0.96 (0.94, 0.99)	0.014	-0.009	0.549
Overall asthma	PARP1	cg24937136	30	Inverse variance weighted	0.023	0.006	1.02 (1.01, 1.03)	1.21E-04	0.000	0.905
Overall asthma	EXOC4	cg23169584	16	Inverse variance weighted	0.040	0.007	1.04 (1.03, 1.05)	2.34E-08	0.000	0.980
Overall asthma	FNIP2	cg05539369	1	Wald ratio	0.270	0.074	1.31 (1.13, 1.51)	2.39E-04	NA	NA
Overall asthma	PCGF2	cg02433498	1	Wald ratio	-0.135	0.042	0.87 (0.80, 0.95)	0.001	NA	NA
Overall asthma	PIP4K2B	cg27142680	1	Wald ratio	0.184	0.055	1.20 (1.08, 1.34)	7.69E-04	NA	NA
Overall asthma	STK25	cg13788902	1	Wald ratio	0.121	0.038	1.13 (1.05, 1.22)	0.002	NA	NA
Overall asthma	UNC13D	cg17075258	1	Wald ratio	-0.092	0.030	0.91 (0.86, 0.97)	0.002	NA	NA

Overall asthma	GPSM1	cg13782380	1	Wald ratio	0.138	0.044	1.15 (1.05, 1.25)	0.002	NA	NA
Overall asthma	MADD	cg26365553	1	Wald ratio	-0.124	0.039	0.88 (0.82, 0.95)	0.002	NA	NA
Overall asthma	BOK	cg22999099	10	Inverse variance weighted	-0.047	0.015	0.95 (0.93, 0.98)	0.002	-0.020	0.090
Overall asthma	TRIM27	cg03270340	6	Inverse variance weighted	-0.050	0.012	0.95 (0.93, 0.97)	2.02E-05	-0.009	0.246
Overall asthma	BLK	cg26161004	9	Inverse variance weighted	0.061	0.031	1.06 (1.00, 1.13)	0.047	0.019	0.349
Overall asthma	BOK	cg23959977	15	Inverse variance weighted	-0.050	0.008	0.95 (0.94, 0.97)	2.64E-09	-0.006	0.421
Overall asthma	CSF2	cg08324925	4	Inverse variance weighted	-0.112	0.044	0.89 (0.82, 0.98)	0.012	-0.013	0.843
Overall asthma	ING5	cg21244745	3	Inverse variance weighted	0.082	0.029	1.09 (1.03, 1.15)	0.004	0.000	1.000
Overall asthma	AP1M2	cg23652172	1	Wald ratio	-0.242	0.070	0.79 (0.68, 0.90)	5.51E-04	NA	NA
Overall asthma	RPS27L	cg23837188	2	Inverse variance weighted	-0.084	0.025	0.92 (0.88, 0.97)	8.10E-04	NA	NA
Overall asthma	KDM1A	cg23271558	1	Wald ratio	-0.171	0.053	0.84 (0.76, 0.94)	0.001	NA	NA
Overall asthma	FNIP2	cg13702235	1	Wald ratio	0.120	0.038	1.13 (1.05, 1.21)	0.002	NA	NA
Overall asthma	NOD2	cg01068906	6	Inverse variance weighted	-0.039	0.012	0.96 (0.94, 0.99)	0.002	0.003	0.729
Overall asthma	SLC39A10	cg16158027	4	Inverse variance weighted	0.060	0.019	1.06 (1.02, 1.10)	0.002	-0.017	0.267
Overall asthma	PARP1	cg23712594	6	Inverse variance weighted	0.052	0.018	1.05 (1.02, 1.09)	0.004	-0.002	0.909
Overall asthma	GATA4	cg13293535	17	Inverse variance weighted	-0.062	0.014	0.94 (0.91, 0.97)	1.78E-05	-0.014	0.144
Overall asthma	NOD2	cg08195491	6	Inverse variance weighted	-0.045	0.014	0.96 (0.93, 0.98)	0.002	0.009	0.311
Overall asthma	ATF3	cg03970567	22	Inverse variance weighted	0.027	0.008	1.03 (1.01, 1.04)	0.001	0.000	0.965
Overall asthma	PARP1	cg17127702	22	Inverse variance weighted	0.028	0.007	1.03 (1.01, 1.04)	2.41E-04	-0.003	0.518
Overall asthma	PARP1	cg18590995	3	Inverse variance weighted	0.100	0.026	1.11 (1.05, 1.16)	1.16E-04	0.017	0.947
Overall asthma	ATP10B	cg02543268	2	Inverse variance weighted	-0.135	0.039	0.87 (0.81, 0.94)	5.04E-04	NA	NA
Overall asthma	CDC42	cg11572548	2	Inverse variance weighted	-0.094	0.028	0.91 (0.86, 0.96)	6.58E-04	NA	NA
Overall asthma	UNC13D	cg22467534	1	Wald ratio	-0.239	0.070	0.79 (0.69, 0.90)	6.74E-04	NA	NA
Overall asthma	ING5	cg14409746	2	Inverse variance weighted	0.155	0.047	1.17 (1.06, 1.28)	9.82E-04	NA	NA
Overall asthma	TRIM65	cg25176883	1	Wald ratio	0.229	0.069	1.26 (1.10, 1.44)	8.58E-04	NA	NA
Overall asthma	AKR1C2	cg04683516	16	Inverse variance weighted	-0.025	0.008	0.98 (0.96, 0.99)	0.002	0.011	0.171
Overall asthma	WIPI2	cg23122899	3	Inverse variance weighted	-0.091	0.027	0.91 (0.87, 0.96)	6.00E-04	0.016	0.569
Overall asthma	CSF2	cg13259290	2	Inverse variance weighted	-0.184	0.070	0.83 (0.73, 0.95)	0.008	NA	NA
Overall asthma	BCL10	cg02862864	22	Inverse variance weighted	0.020	0.009	1.02 (1.00, 1.04)	0.020	-0.002	0.784
Overall asthma	CEBPB	cg02930951	4	Inverse variance weighted	0.151	0.029	1.16 (1.10, 1.23)	1.81E-07	0.000	0.986
Overall asthma	ING5	cg17530031	16	Inverse variance weighted	0.061	0.017	1.06 (1.03, 1.10)	4.16E-04	0.015	0.368
Overall asthma	STK25	cg19488206	1	Wald ratio	0.120	0.040	1.13 (1.04, 1.22)	0.003	NA	NA
Overall asthma	INF2	cg05873568	1	Wald ratio	-0.124	0.041	0.88 (0.82, 0.96)	0.003	NA	NA
Overall asthma	TP73	cg27564766	1	Wald ratio	0.080	0.027	1.08 (1.03, 1.14)	0.003	NA	NA
Overall asthma	PRKD1	cg13732130	5	Inverse variance weighted	-0.052	0.021	0.95 (0.91, 0.99)	0.015	0.014	0.409
Overall asthma	NOD2	cg01055281	2	Inverse variance weighted	-0.094	0.027	0.91 (0.86, 0.96)	4.11E-04	NA	NA
Overall asthma	NFKB1	cg25905215	2	Inverse variance weighted	-0.091	0.028	0.91 (0.86, 0.97)	0.001	NA	NA
Overall asthma	UNC13D	cg15177359	1	Wald ratio	0.243	0.074	1.28 (1.10, 1.47)	0.001	NA	NA
Overall asthma	PDLIM1	cg20714347	3	Inverse variance weighted	-0.127	0.031	0.88 (0.83, 0.94)	3.60E-05	-0.013	0.693
Overall asthma	PPP2R1B	cg23026420	2	Inverse variance weighted	-0.093	0.029	0.91 (0.86, 0.96)	0.001	NA	NA
Overall asthma	CASP10	cg24599065	19	Inverse variance weighted	0.037	0.008	1.04 (1.02, 1.05)	5.14E-06	0.007	0.395
Overall asthma	SCARB2	cg17465343	11	Inverse variance weighted	-0.049	0.013	0.95 (0.93, 0.98)	1.26E-04	-0.003	0.685

Overall asthma	MTMR9	cg06240162	1	Wald ratio	0.203	0.063	1.22 (1.08, 1.39)	0.001	NA	NA
Overall asthma	INF2	cg02878289	2	Inverse variance weighted	-0.111	0.054	0.90 (0.81, 0.99)	0.039	NA	NA
Overall asthma	PRKAG2	cg26284782	2	Inverse variance weighted	-0.115	0.040	0.89 (0.82, 0.96)	0.004	NA	NA
Overall asthma	CLEC16A	cg07486170	1	Wald ratio	-0.222	0.069	0.80 (0.70, 0.92)	0.001	NA	NA
Overall asthma	PCGF2	cg18896448	1	Wald ratio	-0.154	0.051	0.86 (0.77, 0.95)	0.003	NA	NA
Overall asthma	GATA4	cg04880278	1	Wald ratio	-0.142	0.048	0.87 (0.79, 0.95)	0.003	NA	NA
Overall asthma	MNT	cg27406664	21	Inverse variance weighted	-0.024	0.006	0.98 (0.96, 0.99)	1.59E-04	0.001	0.886
Overall asthma	AP3B2	cg09472203	1	Wald ratio	0.163	0.056	1.18 (1.05, 1.31)	0.004	NA	NA
Overall asthma	FNIP2	cg05615763	1	Wald ratio	0.096	0.033	1.10 (1.03, 1.17)	0.004	NA	NA
Overall asthma	CASP10	cg12105450	4	Inverse variance weighted	0.080	0.025	1.08 (1.03, 1.14)	0.001	-0.016	0.449
Overall asthma	INF2	cg02305961	2	Inverse variance weighted	-0.081	0.025	0.92 (0.88, 0.97)	9.96E-04	NA	NA
Overall asthma	INF2	cg20267932	1	Wald ratio	-0.161	0.052	0.85 (0.77, 0.94)	0.002	NA	NA
Overall asthma	ACP2	cg20969221	1	Wald ratio	-0.237	0.075	0.79 (0.68, 0.91)	0.002	NA	NA
Overall asthma	FOXK2	cg24220178	3	Inverse variance weighted	-0.048	0.023	0.95 (0.91, 1.00)	0.038	-0.021	0.623
Overall asthma	PRKCA;MIR634	cg20152382	1	Wald ratio	-0.161	0.054	0.85 (0.77, 0.95)	0.003	NA	NA
Overall asthma	LIPA	cg17741809	9	Inverse variance weighted	-0.042	0.014	0.96 (0.93, 0.98)	0.002	0.000	0.976
Overall asthma	GPSM1;LOC26102	cg13683534	2	Inverse variance weighted	0.107	0.028	1.11 (1.05, 1.18)	1.35E-04	NA	NA
Overall asthma	RAC2	cg10603757	3	Inverse variance weighted	-0.050	0.018	0.95 (0.92, 0.99)	0.006	0.015	0.614
Overall asthma	CSF2	cg26369418	1	Wald ratio	-0.197	0.065	0.82 (0.72, 0.93)	0.002	NA	NA
Overall asthma	WIPI2	cg09203501	13	Inverse variance weighted	-0.018	0.009	0.98 (0.97, 1.00)	0.032	0.008	0.234
Overall asthma	WIPI2	cg00579868	12	Inverse variance weighted	-0.021	0.009	0.98 (0.96, 1.00)	0.020	0.008	0.329
Overall asthma	WIPI2	cg26660312	13	Inverse variance weighted	-0.017	0.008	0.98 (0.97, 1.00)	0.024	0.006	0.349
Overall asthma	WIPI2	cg00393985	19	Inverse variance weighted	-0.022	0.007	0.98 (0.96, 0.99)	0.003	-0.004	0.507
Overall asthma	WIPI2	cg09523782	10	Inverse variance weighted	-0.030	0.011	0.97 (0.95, 0.99)	0.007	-0.005	0.561
Overall asthma	ATP6V0A1	cg15269394	1	Wald ratio	-0.224	0.073	0.80 (0.69, 0.92)	0.002	NA	NA
Overall asthma	CDH1	cg08616585	1	Wald ratio	0.139	0.049	1.15 (1.04, 1.26)	0.004	NA	NA
Overall asthma	TRIM27	cg27120125	2	Inverse variance weighted	-0.157	0.049	0.85 (0.78, 0.94)	0.001	NA	NA
Overall asthma	TMEM106B	cg09613507	14	Inverse variance weighted	-0.046	0.012	0.95 (0.93, 0.98)	8.12E-05	0.001	0.912
Overall asthma	FOXK2	cg21093005	3	Inverse variance weighted	-0.074	0.028	0.93 (0.88, 0.98)	0.009	-0.011	0.828
Overall asthma	TFRC	cg03462622	5	Inverse variance weighted	0.054	0.015	1.06 (1.02, 1.09)	4.06E-04	0.011	0.434
Overall asthma	NCKAP1	cg11711114	1	Wald ratio	0.212	0.071	1.24 (1.08, 1.42)	0.003	NA	NA
Overall asthma	SFN	cg13235717	1	Wald ratio	0.116	0.042	1.12 (1.03, 1.22)	0.006	NA	NA
Overall asthma	LGALS8	cg08137948	3	Inverse variance weighted	-0.079	0.022	0.92 (0.89, 0.97)	3.76E-04	0.007	0.930
Overall asthma	TERT	cg11666982	1	Wald ratio	0.220	0.073	1.25 (1.08, 1.44)	0.003	NA	NA
Overall asthma	KITLG	cg17399545	1	Wald ratio	-0.204	0.068	0.82 (0.71, 0.93)	0.003	NA	NA
Overall asthma	MADD	cg25783544	1	Wald ratio	-0.089	0.033	0.91 (0.86, 0.98)	0.007	NA	NA
Overall asthma	PLEKHM2	cg23112360	3	Inverse variance weighted	-0.054	0.021	0.95 (0.91, 0.99)	0.011	0.026	0.419
Overall asthma	CLEC16A	cg05080940	23	Inverse variance weighted	-0.026	0.013	0.97 (0.95, 1.00)	0.048	-0.012	0.357
Overall asthma	AATF	cg11262262	4	Inverse variance weighted	-0.043	0.020	0.96 (0.92, 1.00)	0.033	0.011	0.468
Overall asthma	GPSM1;LOC26102	cg14164080	2	Inverse variance weighted	0.120	0.035	1.13 (1.05, 1.21)	7.20E-04	NA	NA
Overall asthma	GPSM1;LOC26102	cg14479136	1	Wald ratio	-0.200	0.069	0.82 (0.72, 0.94)	0.004	NA	NA
Overall asthma	FOXK2	cg26986438	1	Wald ratio	-0.116	0.041	0.89 (0.82, 0.97)	0.005	NA	NA

Overall asthma	WIPI2	cg21764632	1	Wald ratio	-0.119	0.044	0.89 (0.81, 0.97)	0.006	NA	NA
Overall asthma	PGAM5	cg17037406	5	Inverse variance weighted	-0.066	0.024	0.94 (0.89, 0.98)	0.006	-0.015	0.449
Overall asthma	WIPI2	cg27021327	6	Inverse variance weighted	-0.052	0.016	0.95 (0.92, 0.98)	0.001	0.007	0.635
Overall asthma	PIK3R1	cg24797508	1	Wald ratio	0.167	0.059	1.18 (1.05, 1.33)	0.005	NA	NA
Overall asthma	GGCT	cg12773030	1	Wald ratio	0.120	0.060	1.13 (1.00, 1.27)	0.046	NA	NA
Overall asthma	BRSK2	cg21782309	11	Inverse variance weighted	0.056	0.021	1.06 (1.02, 1.10)	0.007	0.008	0.480
Overall asthma	FES	cg25647583	1	Wald ratio	-0.172	0.061	0.84 (0.75, 0.95)	0.005	NA	NA
Overall asthma	FBXO31;MAP1LC3B	cg06750038	12	Inverse variance weighted	-0.028	0.013	0.97 (0.95, 1.00)	0.034	-0.007	0.527
Overall asthma	WIPI2	cg27152128	1	Wald ratio	-0.133	0.049	0.88 (0.79, 0.96)	0.006	NA	NA
Overall asthma	TRIM27	cg17666981	17	Inverse variance weighted	-0.022	0.009	0.98 (0.96, 1.00)	0.017	-0.010	0.440
Overall asthma	TP53INP2	cg20592836	29	Inverse variance weighted	0.017	0.006	1.02 (1.01, 1.03)	0.003	-0.005	0.464
Overall asthma	TP53INP2	cg24642439	15	Inverse variance weighted	0.030	0.009	1.03 (1.01, 1.05)	0.002	-0.002	0.793
Overall asthma	FOXK1	cg06287775	1	Wald ratio	0.123	0.046	1.13 (1.03, 1.24)	0.007	NA	NA
Overall asthma	TP53INP2	cg06115741	16	Inverse variance weighted	0.036	0.009	1.04 (1.02, 1.06)	1.00E-04	0.003	0.691
Overall asthma	PIK3R1	cg09101894	1	Wald ratio	0.185	0.066	1.20 (1.06, 1.37)	0.005	NA	NA
Overall asthma	MADD	cg19501536	5	Inverse variance weighted	0.059	0.020	1.06 (1.02, 1.10)	0.003	0.012	0.417
Overall asthma	AP1S3	cg05103387	1	Wald ratio	-0.200	0.071	0.82 (0.71, 0.94)	0.005	NA	NA
Overall asthma	TRIM27	cg09855662	4	Inverse variance weighted	-0.069	0.028	0.93 (0.88, 0.99)	0.015	0.008	0.798
Overall asthma	AP1S3	cg17569486	9	Inverse variance weighted	0.039	0.013	1.04 (1.01, 1.07)	0.003	-0.004	0.701
Overall asthma	GAB2	cg13226797	1	Wald ratio	-0.164	0.060	0.85 (0.75, 0.95)	0.006	NA	NA
Overall asthma	TGFBR1	cg13827209	1	Wald ratio	-0.121	0.046	0.89 (0.81, 0.97)	0.008	NA	NA
Overall asthma	ULK1	cg21649013	3	Inverse variance weighted	-0.077	0.023	0.93 (0.88, 0.97)	7.91E-04	0.007	0.866
Overall asthma	NCK1	cg09847234	1	Wald ratio	-0.098	0.038	0.91 (0.84, 0.98)	0.009	NA	NA
Overall asthma	TP53INP2	cg00820065	2	Inverse variance weighted	-0.071	0.029	0.93 (0.88, 0.99)	0.013	NA	NA
Overall asthma	GPX4	cg01613691	3	Inverse variance weighted	-0.040	0.017	0.96 (0.93, 0.99)	0.019	0.010	0.519
Overall asthma	LAPTM4A	cg17953136	1	Wald ratio	0.118	0.045	1.13 (1.03, 1.23)	0.009	NA	NA
Overall asthma	BLK	cg15742700	1	Wald ratio	-0.170	0.061	0.84 (0.75, 0.95)	0.006	NA	NA
Overall asthma	SYNPO2	cg10320997	1	Wald ratio	-0.201	0.071	0.82 (0.71, 0.94)	0.005	NA	NA
Overall asthma	TSC2	cg02851047	5	Inverse variance weighted	-0.048	0.019	0.95 (0.92, 0.99)	0.011	0.011	0.390
Overall asthma	CBS	cg15300856	8	Inverse variance weighted	0.065	0.029	1.07 (1.01, 1.13)	0.028	0.020	0.415
Overall asthma	SLC39A11	cg08875869	1	Wald ratio	-0.071	0.028	0.93 (0.88, 0.98)	0.011	NA	NA
Overall asthma	TMBIM6	cg20471783	8	Inverse variance weighted	-0.044	0.013	0.96 (0.93, 0.98)	8.04E-04	-0.010	0.330
Overall asthma	USP47	cg24383467	10	Inverse variance weighted	-0.034	0.017	0.97 (0.94, 1.00)	0.041	-0.005	0.681
Overall asthma	ING5	cg15141204	1	Wald ratio	0.105	0.039	1.11 (1.03, 1.20)	0.008	NA	NA
Overall asthma	ITGAV	cg15732657	1	Wald ratio	-0.085	0.033	0.92 (0.86, 0.98)	0.011	NA	NA
Overall asthma	CBS	cg22633722	2	Inverse variance weighted	0.139	0.041	1.15 (1.06, 1.25)	6.94E-04	NA	NA
Overall asthma	FGR	cg08885657	1	Wald ratio	0.063	0.025	1.07 (1.01, 1.12)	0.012	NA	NA
Overall asthma	FOXK1	cg09789173	5	Inverse variance weighted	0.028	0.010	1.03 (1.01, 1.05)	0.004	0.003	0.869
Overall asthma	SESN1	cg17117243	3	Inverse variance weighted	0.074	0.030	1.08 (1.02, 1.14)	0.013	-0.011	0.626
Overall asthma	IL6	cg15703690	2	Inverse variance weighted	-0.104	0.033	0.90 (0.84, 0.96)	0.002	NA	NA
Overall asthma	ITPR1	cg10887945	1	Wald ratio	-0.163	0.062	0.85 (0.75, 0.96)	0.008	NA	NA
Overall asthma	FOXK1	cg05764847	1	Wald ratio	-0.068	0.027	0.93 (0.89, 0.99)	0.013	NA	NA

Overall asthma	SLC39A1	cg25064552	7	Inverse variance weighted	-0.034	0.014	0.97 (0.94, 0.99)	0.019	0.007	0.459
Overall asthma	PLEKHM2	cg06178322	1	Wald ratio	-0.176	0.066	0.84 (0.74, 0.95)	0.008	NA	NA
Overall asthma	PRKAG2	cg17008978	1	Wald ratio	0.149	0.058	1.16 (1.04, 1.30)	0.010	NA	NA
Overall asthma	AP1S3	cg03341091	1	Wald ratio	-0.121	0.048	0.89 (0.81, 0.97)	0.012	NA	NA
Overall asthma	RAB7A	cg19991780	13	Inverse variance weighted	-0.054	0.012	0.95 (0.92, 0.97)	1.41E-05	0.003	0.774
Overall asthma	CLEC16A	cg00202496	1	Wald ratio	0.195	0.073	1.22 (1.05, 1.40)	0.008	NA	NA
Overall asthma	TSC2	cg04328826	1	Wald ratio	-0.154	0.060	0.86 (0.76, 0.96)	0.010	NA	NA
Overall asthma	GATA4	cg23916205	16	Inverse variance weighted	-0.054	0.015	0.95 (0.92, 0.98)	4.26E-04	-0.017	0.092
Overall asthma	PCGF2	cg24539380	8	Inverse variance weighted	-0.036	0.016	0.96 (0.94, 1.00)	0.023	-0.010	0.362
Overall asthma	STEAP3	cg21855041	4	Inverse variance weighted	-0.067	0.020	0.94 (0.90, 0.97)	9.23E-04	-0.025	0.419
Overall asthma	ALOX12	cg20216752	3	Inverse variance weighted	-0.087	0.032	0.92 (0.86, 0.98)	0.007	0.019	0.622
Overall asthma	CDH1	cg20716119	1	Wald ratio	-0.098	0.039	0.91 (0.84, 0.98)	0.013	NA	NA
Overall asthma	AP1S3	cg07813214	2	Inverse variance weighted	-0.085	0.030	0.92 (0.87, 0.97)	0.005	NA	NA
Overall asthma	AP1M2	cg26292442	1	Wald ratio	0.191	0.072	1.21 (1.05, 1.39)	0.008	NA	NA
Overall asthma	CDH1	cg16739895	1	Wald ratio	-0.195	0.073	0.82 (0.71, 0.95)	0.008	NA	NA
Overall asthma	PLEKHF1	cg14945937	1	Wald ratio	0.117	0.047	1.12 (1.03, 1.23)	0.012	NA	NA
Overall asthma	SH3RF1	cg07082484	10	Inverse variance weighted	-0.032	0.009	0.97 (0.95, 0.99)	7.82E-04	0.001	0.900
Overall asthma	GAPDH	cg26826729	2	Inverse variance weighted	-0.065	0.024	0.94 (0.89, 0.98)	0.008	NA	NA
Overall asthma	TRIM27	cg27257926	1	Wald ratio	-0.166	0.064	0.85 (0.75, 0.96)	0.010	NA	NA
Overall asthma	ATF3	cg18174834	1	Wald ratio	0.123	0.049	1.13 (1.03, 1.25)	0.012	NA	NA
Overall asthma	CAPZB	cg17081867	2	Inverse variance weighted	0.088	0.034	1.09 (1.02, 1.17)	0.009	NA	NA
Overall asthma	FOXK1	cg00064840	3	Inverse variance weighted	0.050	0.017	1.05 (1.02, 1.09)	0.003	0.014	0.496
Overall asthma	TCIRG1	cg11731626	2	Inverse variance weighted	0.115	0.041	1.12 (1.04, 1.22)	0.005	NA	NA
Overall asthma	GAPDH	cg06362313	1	Wald ratio	-0.071	0.030	0.93 (0.88, 0.99)	0.015	NA	NA
Overall asthma	FOXK1	cg13287553	1	Wald ratio	0.049	0.020	1.05 (1.01, 1.09)	0.017	NA	NA
Overall asthma	FOXK1	cg10118545	1	Wald ratio	0.052	0.022	1.05 (1.01, 1.10)	0.017	NA	NA
Overall asthma	BCL2L10	cg27563121	5	Inverse variance weighted	0.060	0.019	1.06 (1.02, 1.10)	0.002	0.009	0.490
Overall asthma	SH3RF1	cg12257055	3	Inverse variance weighted	-0.063	0.022	0.94 (0.90, 0.98)	0.005	-0.001	0.974
Overall asthma	ULK1	cg07746532	1	Wald ratio	0.196	0.075	1.22 (1.05, 1.41)	0.009	NA	NA
Overall asthma	NKX3-1	cg13609723	1	Wald ratio	0.167	0.064	1.18 (1.04, 1.34)	0.009	NA	NA
Overall asthma	MAP1LC3B;FBXO31	cg23636419	1	Wald ratio	-0.178	0.069	0.84 (0.73, 0.96)	0.010	NA	NA
Overall asthma	SESN1	cg08336300	1	Wald ratio	0.105	0.043	1.11 (1.02, 1.21)	0.014	NA	NA
Overall asthma	SLC39A1;CRTC2	cg16262392	1	Wald ratio	0.127	0.052	1.14 (1.03, 1.26)	0.014	NA	NA
Overall asthma	CX3CR1	cg04569233	8	Inverse variance weighted	0.046	0.015	1.05 (1.02, 1.08)	0.002	-0.004	0.695
Overall asthma	BCL2L10	cg14540387	1	Wald ratio	0.143	0.057	1.15 (1.03, 1.29)	0.012	NA	NA
Overall asthma	BCL10	cg16140784	1	Wald ratio	-0.162	0.065	0.85 (0.75, 0.97)	0.012	NA	NA
Overall asthma	NKX3-1	cg06696292	1	Wald ratio	-0.079	0.033	0.92 (0.87, 0.99)	0.016	NA	NA
Overall asthma	SRC	cg01141721	1	Wald ratio	-0.075	0.032	0.93 (0.87, 0.99)	0.017	NA	NA
Overall asthma	FER	cg19526267	2	Inverse variance weighted	0.088	0.035	1.09 (1.02, 1.17)	0.012	NA	NA
Overall asthma	BMF	cg26662201	1	Wald ratio	0.162	0.065	1.18 (1.04, 1.33)	0.012	NA	NA
Overall asthma	ING5	cg03979788	17	Inverse variance weighted	-0.036	0.018	0.96 (0.93, 1.00)	0.046	-0.008	0.562
Overall asthma	AP3S2	cg19708238	1	Wald ratio	0.090	0.038	1.09 (1.02, 1.18)	0.018	NA	NA

Overall asthma	TP73	cg26034538	1	Wald ratio	0.137	0.056	1.15 (1.03, 1.28)	0.014	NA	NA
Overall asthma	PRKAG2	cg10902667	1	Wald ratio	-0.166	0.066	0.85 (0.74, 0.96)	0.012	NA	NA
Overall asthma	TERT	cg07380026	2	Inverse variance weighted	0.089	0.038	1.09 (1.01, 1.18)	0.020	NA	NA
Overall asthma	CD84	cg21454485	1	Wald ratio	-0.143	0.059	0.87 (0.77, 0.97)	0.014	NA	NA
Overall asthma	ALOX15	cg11334406	1	Wald ratio	-0.148	0.060	0.86 (0.77, 0.97)	0.014	NA	NA
Overall asthma	DAP	cg14129473	2	Inverse variance weighted	-0.100	0.036	0.90 (0.84, 0.97)	0.006	NA	NA
Overall asthma	TGFBR1	cg13608979	1	Wald ratio	0.072	0.031	1.07 (1.01, 1.14)	0.020	NA	NA
Overall asthma	DAB2IP	cg08980461	1	Wald ratio	0.097	0.041	1.10 (1.02, 1.19)	0.018	NA	NA
Overall asthma	IL6	cg00087425	1	Wald ratio	-0.191	0.076	0.83 (0.71, 0.96)	0.012	NA	NA
Overall asthma	ATF3	cg18317154	1	Wald ratio	-0.174	0.070	0.84 (0.73, 0.96)	0.012	NA	NA
Overall asthma	LEP	cg19594666	1	Wald ratio	0.167	0.068	1.18 (1.04, 1.35)	0.013	NA	NA
Overall asthma	FXN	cg13859886	1	Wald ratio	-0.106	0.045	0.90 (0.82, 0.98)	0.018	NA	NA
Overall asthma	CAPZB	cg23519022	2	Inverse variance weighted	-0.096	0.035	0.91 (0.85, 0.97)	0.007	NA	NA
Overall asthma	LGALS8	cg08169200	3	Inverse variance weighted	-0.050	0.024	0.95 (0.91, 1.00)	0.041	0.026	0.494
Overall asthma	ARRB2	cg02286380	11	Inverse variance weighted	-0.030	0.010	0.97 (0.95, 0.99)	0.003	-0.007	0.324
Overall asthma	GPSM1	cg13799504	10	Inverse variance weighted	-0.034	0.009	0.97 (0.95, 0.98)	3.00E-04	-0.014	0.100
Overall asthma	ARRB2	cg07971820	6	Inverse variance weighted	-0.040	0.018	0.96 (0.93, 1.00)	0.025	-0.016	0.170
Overall asthma	ARRB2	cg24831541	7	Inverse variance weighted	-0.032	0.012	0.97 (0.95, 0.99)	0.007	-0.005	0.598
Overall asthma	AP3S2	cg03039025	6	Inverse variance weighted	0.026	0.013	1.03 (1.00, 1.05)	0.042	-0.029	0.177
Overall asthma	TERT	cg17166338	1	Wald ratio	0.144	0.060	1.15 (1.03, 1.30)	0.016	NA	NA
Overall asthma	AP3S2	cg21576154	4	Inverse variance weighted	0.035	0.014	1.04 (1.01, 1.06)	0.015	-0.004	0.899
Overall asthma	ARRB2	cg13466002	3	Inverse variance weighted	-0.062	0.021	0.94 (0.90, 0.98)	0.004	-0.012	0.520
Overall asthma	TOMM7	cg11367502	5	Inverse variance weighted	0.032	0.013	1.03 (1.01, 1.06)	0.016	-0.005	0.566
Overall asthma	AP3S2	cg05640721	3	Inverse variance weighted	0.041	0.019	1.04 (1.00, 1.08)	0.034	-0.030	0.599
Overall asthma	KIF25	cg03119088	1	Wald ratio	0.121	0.051	1.13 (1.02, 1.25)	0.018	NA	NA
Overall asthma	PRKCA	cg15519474	9	Inverse variance weighted	0.071	0.020	1.07 (1.03, 1.12)	4.15E-04	0.021	0.211
Overall asthma	TGFBR1	cg13431688	13	Inverse variance weighted	-0.022	0.008	0.98 (0.96, 0.99)	0.008	0.002	0.825
Overall asthma	TOMM7	cg13679077	2	Inverse variance weighted	0.052	0.020	1.05 (1.01, 1.10)	0.007	NA	NA
Overall asthma	SSTR3	cg14757173	1	Wald ratio	-0.193	0.079	0.82 (0.71, 0.96)	0.014	NA	NA
Overall asthma	SLC30A2	cg00349061	5	Inverse variance weighted	-0.044	0.018	0.96 (0.92, 0.99)	0.014	0.002	0.906
Overall asthma	TP73	cg19688837	1	Wald ratio	0.177	0.072	1.19 (1.04, 1.38)	0.014	NA	NA
Overall asthma	ULK1	cg15163603	1	Wald ratio	0.152	0.063	1.16 (1.03, 1.32)	0.016	NA	NA
Overall asthma	AP3S2	cg12732791	1	Wald ratio	-0.068	0.030	0.93 (0.88, 0.99)	0.023	NA	NA
Overall asthma	MADD	cg07637188	2	Inverse variance weighted	0.070	0.033	1.07 (1.01, 1.14)	0.032	NA	NA
Overall asthma	ULK1	cg13235087	18	Inverse variance weighted	0.021	0.009	1.02 (1.00, 1.04)	0.020	-0.004	0.577
Overall asthma	SLC30A8	cg05548393	1	Wald ratio	0.075	0.033	1.08 (1.01, 1.15)	0.023	NA	NA
Overall asthma	QSOX1	cg10023454	1	Wald ratio	-0.157	0.066	0.85 (0.75, 0.97)	0.017	NA	NA
Overall asthma	FOXK2	cg20173014	1	Wald ratio	-0.084	0.037	0.92 (0.85, 0.99)	0.023	NA	NA
Overall asthma	CASP5	cg08199529	6	Inverse variance weighted	0.053	0.018	1.05 (1.02, 1.09)	0.003	-0.019	0.284
Overall asthma	PLEKHM2	cg27534772	1	Wald ratio	-0.092	0.040	0.91 (0.84, 0.99)	0.023	NA	NA
Overall asthma	SNX6	cg20478089	2	Inverse variance weighted	-0.071	0.034	0.93 (0.87, 1.00)	0.038	NA	NA
Overall asthma	CAPZB	cg13319175	1	Wald ratio	0.149	0.063	1.16 (1.03, 1.31)	0.018	NA	NA

Overall asthma	WNT4	cg17022577	4	Inverse variance weighted	0.055	0.023	1.06 (1.01, 1.11)	0.020	-0.006	0.647
Overall asthma	ICAM4;ICAM1	cg20036207	27	Inverse variance weighted	0.016	0.006	1.02 (1.00, 1.03)	0.008	-0.002	0.723
Overall asthma	KIF25	cg05282968	1	Wald ratio	-0.098	0.043	0.91 (0.83, 0.99)	0.023	NA	NA
Overall asthma	SNX16	cg02079420	9	Inverse variance weighted	0.039	0.012	1.04 (1.02, 1.06)	0.001	0.018	0.189
Overall asthma	GSDMD	cg18198896	11	Inverse variance weighted	-0.033	0.011	0.97 (0.95, 0.99)	0.004	0.005	0.574
Overall asthma	GSDMD	cg14721632	15	Inverse variance weighted	-0.033	0.009	0.97 (0.95, 0.98)	2.66E-04	0.001	0.863
Overall asthma	POU4F1	cg04404489	2	Inverse variance weighted	-0.090	0.035	0.91 (0.85, 0.98)	0.010	NA	NA
Overall asthma	GFAP	cg23242944	1	Wald ratio	-0.167	0.071	0.85 (0.74, 0.97)	0.018	NA	NA
Overall asthma	MTMR9	cg12981288	1	Wald ratio	0.115	0.050	1.12 (1.02, 1.24)	0.022	NA	NA
Overall asthma	FEZ1	cg19792194	1	Wald ratio	-0.084	0.037	0.92 (0.85, 0.99)	0.025	NA	NA
Overall asthma	ICAM4;ICAM1	cg00500176	7	Inverse variance weighted	0.046	0.016	1.05 (1.01, 1.08)	0.004	0.003	0.843
Overall asthma	LAPTM4A	cg17989428	1	Wald ratio	0.129	0.056	1.14 (1.02, 1.27)	0.022	NA	NA
Overall asthma	BMF	cg02313495	7	Inverse variance weighted	0.018	0.008	1.02 (1.00, 1.03)	0.020	-0.009	0.190
Overall asthma	GATA4	cg12395012	45	Inverse variance weighted	-0.045	0.007	0.96 (0.94, 0.97)	5.19E-10	-0.011	0.065
Overall asthma	SNX16	cg07697082	5	Inverse variance weighted	0.039	0.016	1.04 (1.01, 1.07)	0.018	0.004	0.884
Overall asthma	GSDMD	cg07422279	6	Inverse variance weighted	-0.038	0.019	0.96 (0.93, 1.00)	0.049	0.024	0.257
Overall asthma	JAK2	cg13568515	11	Inverse variance weighted	-0.033	0.009	0.97 (0.95, 0.98)	2.45E-04	-0.008	0.310
Overall asthma	ARRB2	cg00122941	5	Inverse variance weighted	0.039	0.013	1.04 (1.01, 1.07)	0.003	0.007	0.493
Overall asthma	ARRB2	cg19197139	10	Inverse variance weighted	0.031	0.011	1.03 (1.01, 1.05)	0.004	0.004	0.562
Overall asthma	JAK2	cg02405213	12	Inverse variance weighted	-0.026	0.010	0.97 (0.95, 0.99)	0.011	-0.007	0.574
Overall asthma	SGMS1	cg20014988	3	Inverse variance weighted	0.073	0.021	1.08 (1.03, 1.12)	5.62E-04	0.027	0.689
Overall asthma	GSDMD	cg15541193	5	Inverse variance weighted	-0.049	0.020	0.95 (0.92, 0.99)	0.013	0.006	0.766
Overall asthma	TRAF1	cg14518276	4	Inverse variance weighted	0.058	0.023	1.06 (1.01, 1.11)	0.013	-0.004	0.848
Overall asthma	WNT4	cg12098183	1	Wald ratio	0.092	0.041	1.10 (1.01, 1.19)	0.026	NA	NA
Overall asthma	AP3M1	cg26469011	7	Inverse variance weighted	0.054	0.016	1.06 (1.02, 1.09)	9.77E-04	0.015	0.214
Overall asthma	UNC5B	cg24839386	3	Inverse variance weighted	-0.045	0.020	0.96 (0.92, 0.99)	0.027	0.007	0.708
Overall asthma	OPA1	cg23144852	5	Inverse variance weighted	0.052	0.024	1.05 (1.00, 1.10)	0.031	0.006	0.812
Overall asthma	SCOC	cg02182440	1	Wald ratio	0.148	0.064	1.16 (1.02, 1.31)	0.020	NA	NA
Overall asthma	FES	cg18661868	1	Wald ratio	0.140	0.061	1.15 (1.02, 1.30)	0.022	NA	NA
Overall asthma	UNC5B	cg26152017	2	Inverse variance weighted	-0.043	0.021	0.96 (0.92, 1.00)	0.040	NA	NA
Overall asthma	UNC5B	cg08539872	2	Inverse variance weighted	0.042	0.021	1.04 (1.00, 1.09)	0.045	NA	NA
Overall asthma	KIF25	cg13314057	1	Wald ratio	-0.116	0.053	0.89 (0.80, 0.99)	0.029	NA	NA
Overall asthma	PRKCA	cg25909396	6	Inverse variance weighted	0.044	0.019	1.04 (1.01, 1.08)	0.021	-0.003	0.839
Overall asthma	PIP4K2C	cg20416037	2	Inverse variance weighted	-0.090	0.035	0.91 (0.85, 0.98)	0.009	NA	NA
Overall asthma	RPTOR	cg15097361	11	Inverse variance weighted	0.040	0.011	1.04 (1.02, 1.06)	4.92E-04	0.008	0.267
Overall asthma	RPTOR	cg15228441	5	Inverse variance weighted	0.053	0.017	1.05 (1.02, 1.09)	0.002	0.007	0.644
Overall asthma	MIR210	cg03880841	2	Inverse variance weighted	0.100	0.039	1.10 (1.02, 1.19)	0.010	NA	NA
Overall asthma	AIFM2	cg00352027	2	Inverse variance weighted	0.071	0.036	1.07 (1.00, 1.15)	0.047	NA	NA
Overall asthma	AKT1	cg05726935	1	Wald ratio	-0.091	0.041	0.91 (0.84, 0.99)	0.028	NA	NA
Overall asthma	GALNS	cg02717656	1	Wald ratio	0.081	0.037	1.08 (1.01, 1.17)	0.029	NA	NA
Overall asthma	MIR210	cg15482500	2	Inverse variance weighted	0.107	0.042	1.11 (1.03, 1.21)	0.010	NA	NA
Overall asthma	PRKCA	cg17202839	2	Inverse variance weighted	0.096	0.035	1.10 (1.03, 1.18)	0.006	NA	NA

Overall asthma	PIP4K2C	cg25133016	2	Inverse variance weighted	-0.115	0.044	0.89 (0.82, 0.97)	0.009	NA	NA
Overall asthma	TERT	cg26006951	1	Wald ratio	0.168	0.073	1.18 (1.02, 1.37)	0.022	NA	NA
Overall asthma	MAP1LC3B	cg04892447	1	Wald ratio	0.153	0.068	1.17 (1.02, 1.33)	0.023	NA	NA
Overall asthma	ICAM1	cg24354612	1	Wald ratio	0.110	0.050	1.12 (1.01, 1.23)	0.028	NA	NA
Overall asthma	KDM4A	cg08462360	2	Inverse variance weighted	-0.102	0.043	0.90 (0.83, 0.98)	0.018	NA	NA
Overall asthma	BLOC1S2	cg13817732	2	Inverse variance weighted	-0.089	0.043	0.91 (0.84, 1.00)	0.040	NA	NA
Overall asthma	OSBPL7	cg02206375	1	Wald ratio	-0.160	0.071	0.85 (0.74, 0.98)	0.023	NA	NA
Overall asthma	DAB2IP	cg13833607	1	Wald ratio	0.109	0.050	1.12 (1.01, 1.23)	0.029	NA	NA
Overall asthma	PIK3R1	cg18104285	1	Wald ratio	-0.110	0.050	0.90 (0.81, 0.99)	0.029	NA	NA
Overall asthma	NKX3-1	cg21428681	1	Wald ratio	0.074	0.034	1.08 (1.01, 1.15)	0.031	NA	NA
Overall asthma	IL7	cg01819306	4	Inverse variance weighted	0.043	0.018	1.04 (1.01, 1.08)	0.017	-0.012	0.502
Overall asthma	RFFL	cg18302940	2	Inverse variance weighted	-0.096	0.034	0.91 (0.85, 0.97)	0.005	NA	NA
Overall asthma	DAB2IP	cg04661709	5	Inverse variance weighted	-0.054	0.018	0.95 (0.91, 0.98)	0.003	-0.003	0.872
Overall asthma	CTSF	cg06817264	9	Inverse variance weighted	0.040	0.014	1.04 (1.01, 1.07)	0.005	0.006	0.687
Overall asthma	DAPK2	cg11775215	2	Inverse variance weighted	0.054	0.027	1.06 (1.00, 1.11)	0.046	NA	NA
Overall asthma	STK3	cg20673075	8	Inverse variance weighted	0.032	0.012	1.03 (1.01, 1.06)	0.008	0.010	0.592
Overall asthma	GALNS	cg09308897	21	Inverse variance weighted	-0.028	0.011	0.97 (0.95, 0.99)	0.015	-0.016	0.061
Overall asthma	GALNS	cg16582469	24	Inverse variance weighted	-0.026	0.008	0.97 (0.96, 0.99)	0.002	-0.007	0.293
Overall asthma	STEAP3	cg19911116	1	Wald ratio	-0.141	0.064	0.87 (0.77, 0.98)	0.027	NA	NA
Overall asthma	ENO1	cg12711814	1	Wald ratio	-0.107	0.050	0.90 (0.81, 0.99)	0.031	NA	NA
Overall asthma	PARP1	cg02088626	5	Inverse variance weighted	-0.055	0.025	0.95 (0.90, 0.99)	0.026	0.005	0.794
Overall asthma	CASP4	cg17552759	1	Wald ratio	0.146	0.066	1.16 (1.02, 1.32)	0.027	NA	NA
Overall asthma	IL1A	cg27368523	2	Inverse variance weighted	-0.078	0.039	0.93 (0.86, 1.00)	0.045	NA	NA
Overall asthma	GALNS	cg09807356	9	Inverse variance weighted	-0.061	0.020	0.94 (0.91, 0.98)	0.002	-0.017	0.215
Overall asthma	GALNS	cg02724461	7	Inverse variance weighted	-0.060	0.023	0.94 (0.90, 0.98)	0.008	-0.011	0.551
Overall asthma	P2RX7	cg22867729	1	Wald ratio	0.135	0.061	1.14 (1.01, 1.29)	0.028	NA	NA
Overall asthma	ULK1	cg15260428	18	Inverse variance weighted	-0.026	0.007	0.97 (0.96, 0.99)	2.56E-04	0.005	0.280
Overall asthma	ULK1	cg08731435	15	Inverse variance weighted	-0.020	0.008	0.98 (0.96, 1.00)	0.011	0.006	0.331
Overall asthma	GALNS	cg06526420	6	Inverse variance weighted	0.072	0.025	1.08 (1.02, 1.13)	0.003	0.027	0.099
Overall asthma	ITM2C	cg17674726	13	Inverse variance weighted	0.021	0.007	1.02 (1.01, 1.04)	0.004	-0.008	0.256
Overall asthma	PRKCA	cg14121185	9	Inverse variance weighted	0.055	0.012	1.06 (1.03, 1.08)	2.26E-06	0.010	0.334
Overall asthma	WAC	cg24792245	3	Inverse variance weighted	-0.047	0.022	0.95 (0.91, 1.00)	0.031	0.009	0.702
Overall asthma	GALNS	cg20364025	4	Inverse variance weighted	-0.090	0.031	0.91 (0.86, 0.97)	0.003	-0.011	0.703
Overall asthma	BMF	cg07887985	1	Wald ratio	0.140	0.064	1.15 (1.01, 1.30)	0.029	NA	NA
Overall asthma	ALOX15	cg05715138	1	Wald ratio	0.131	0.060	1.14 (1.01, 1.28)	0.029	NA	NA
Overall asthma	FOXK1	cg04261496	1	Wald ratio	0.116	0.054	1.12 (1.01, 1.25)	0.032	NA	NA
Overall asthma	MYH9	cg11434151	1	Wald ratio	0.075	0.036	1.08 (1.00, 1.16)	0.036	NA	NA
Overall asthma	WIPI2	cg20071624	3	Inverse variance weighted	-0.047	0.018	0.95 (0.92, 0.99)	0.011	0.003	0.878
Overall asthma	NLRP7	cg18778097	2	Inverse variance weighted	-0.062	0.026	0.94 (0.89, 0.99)	0.016	NA	NA
Overall asthma	RUFY4	cg11417360	1	Wald ratio	-0.137	0.063	0.87 (0.77, 0.99)	0.030	NA	NA
Overall asthma	CREB3L4;SLC39A1	cg09895920	1	Wald ratio	-0.091	0.043	0.91 (0.84, 0.99)	0.035	NA	NA
Overall asthma	FES	cg03209642	1	Wald ratio	-0.086	0.041	0.92 (0.85, 0.99)	0.036	NA	NA

Overall asthma	LTBR	cg15784615	1	Wald ratio	-0.125	0.059	0.88 (0.79, 0.99)	0.032	NA	NA
Overall asthma	GALNS	cg04364752	1	Wald ratio	-0.083	0.040	0.92 (0.85, 0.99)	0.037	NA	NA
Overall asthma	LAPTM5	cg18221336	2	Inverse variance weighted	0.053	0.024	1.05 (1.01, 1.10)	0.025	NA	NA
Overall asthma	DAB2IP	cg14594187	1	Wald ratio	-0.148	0.068	0.86 (0.75, 0.99)	0.030	NA	NA
Overall asthma	USP47	cg20781421	1	Wald ratio	-0.097	0.046	0.91 (0.83, 0.99)	0.036	NA	NA
Overall asthma	CUL4A	cg10012867	1	Wald ratio	-0.094	0.045	0.91 (0.83, 0.99)	0.037	NA	NA
Overall asthma	EIF2AK2	cg16795804	10	Inverse variance weighted	0.023	0.011	1.02 (1.00, 1.05)	0.043	-0.010	0.318
Overall asthma	SYNPO2	cg12973294	9	Inverse variance weighted	0.037	0.013	1.04 (1.01, 1.06)	0.004	-0.005	0.468
Overall asthma	AIFM2	cg18061319	8	Inverse variance weighted	0.036	0.017	1.04 (1.00, 1.07)	0.032	0.005	0.675
Overall asthma	RPTOR	cg15826479	1	Wald ratio	-0.087	0.042	0.92 (0.84, 0.99)	0.037	NA	NA
Overall asthma	TGFB1	cg15735736	1	Wald ratio	-0.147	0.068	0.86 (0.76, 0.99)	0.030	NA	NA
Overall asthma	AIFM2	cg15779600	3	Inverse variance weighted	0.063	0.025	1.06 (1.01, 1.12)	0.011	0.023	0.341
Overall asthma	SLC40A1	cg15599483	2	Inverse variance weighted	0.087	0.040	1.09 (1.01, 1.18)	0.030	NA	NA
Overall asthma	DRAM1	cg07905054	2	Inverse variance weighted	0.099	0.030	1.10 (1.04, 1.17)	9.43E-04	NA	NA
Overall asthma	STK3	cg02675173	1	Wald ratio	0.107	0.051	1.11 (1.01, 1.23)	0.036	NA	NA
Overall asthma	FNIP2	cg00245454	1	Wald ratio	0.094	0.044	1.10 (1.01, 1.20)	0.035	NA	NA
Overall asthma	RPS27L	cg02321289	3	Inverse variance weighted	0.056	0.023	1.06 (1.01, 1.11)	0.015	-0.001	0.950
Overall asthma	LTBR	cg26306994	1	Wald ratio	-0.091	0.044	0.91 (0.84, 1.00)	0.039	NA	NA
Overall asthma	KDM1A	cg01718365	1	Wald ratio	-0.106	0.051	0.90 (0.81, 0.99)	0.037	NA	NA
Overall asthma	GHITM	cg23027704	8	Inverse variance weighted	0.039	0.019	1.04 (1.00, 1.08)	0.035	-0.010	0.495
Overall asthma	STEAP3	cg00327263	1	Wald ratio	-0.111	0.053	0.89 (0.81, 0.99)	0.037	NA	NA
Overall asthma	QSOX1	cg04108706	1	Wald ratio	0.153	0.071	1.17 (1.01, 1.34)	0.031	NA	NA
Overall asthma	FES	cg26899598	1	Wald ratio	-0.122	0.058	0.88 (0.79, 0.99)	0.036	NA	NA
Overall asthma	IL7	cg25465344	1	Wald ratio	-0.076	0.037	0.93 (0.86, 1.00)	0.040	NA	NA
Overall asthma	RPTOR	cg17481637	11	Inverse variance weighted	-0.024	0.010	0.98 (0.96, 0.99)	0.013	0.003	0.714
Overall asthma	RPS27L	cg20854371	2	Inverse variance weighted	0.069	0.033	1.07 (1.00, 1.14)	0.039	NA	NA
Overall asthma	SRC	cg24956391	1	Wald ratio	0.114	0.055	1.12 (1.01, 1.25)	0.038	NA	NA
Overall asthma	SGSH	cg09902913	7	Inverse variance weighted	0.036	0.015	1.04 (1.01, 1.07)	0.016	-0.006	0.656
Overall asthma	HIPK2	cg14630106	4	Inverse variance weighted	-0.035	0.014	0.97 (0.94, 0.99)	0.014	-0.005	0.741
Overall asthma	CASP2	cg26596719	2	Inverse variance weighted	-0.023	0.012	0.98 (0.96, 1.00)	0.050	NA	NA
Overall asthma	KIF1B	cg23716690	4	Inverse variance weighted	-0.053	0.019	0.95 (0.91, 0.98)	0.005	-0.022	0.260
Overall asthma	ARSG	cg05505961	1	Wald ratio	-0.140	0.066	0.87 (0.76, 0.99)	0.035	NA	NA
Overall asthma	GALNS	cg16802439	1	Wald ratio	-0.137	0.065	0.87 (0.77, 0.99)	0.037	NA	NA
Overall asthma	POU4F2	cg25406138	1	Wald ratio	-0.116	0.056	0.89 (0.80, 0.99)	0.040	NA	NA
Overall asthma	DNM1L	cg24786579	1	Wald ratio	0.104	0.051	1.11 (1.00, 1.23)	0.040	NA	NA
Overall asthma	STEAP3	cg12535642	16	Inverse variance weighted	-0.024	0.008	0.98 (0.96, 0.99)	0.003	0.008	0.246
Overall asthma	NCKAP1	cg15171982	2	Inverse variance weighted	0.062	0.026	1.06 (1.01, 1.12)	0.016	NA	NA
Overall asthma	RNF186	cg17135423	1	Wald ratio	-0.159	0.075	0.85 (0.74, 0.99)	0.034	NA	NA
Overall asthma	PRKAG2	cg13686795	1	Wald ratio	-0.160	0.075	0.85 (0.74, 0.99)	0.034	NA	NA
Overall asthma	CHMP6	cg17714010	1	Wald ratio	0.137	0.066	1.15 (1.01, 1.31)	0.037	NA	NA
Overall asthma	PIP4K2A	cg09062038	1	Wald ratio	0.108	0.053	1.11 (1.00, 1.24)	0.041	NA	NA
Overall asthma	ARSG	cg27366162	1	Wald ratio	-0.126	0.061	0.88 (0.78, 0.99)	0.039	NA	NA

Overall asthma	STEAP3	cg13431009	5	Inverse variance weighted	-0.051	0.019	0.95 (0.92, 0.99)	0.009	0.000	0.991
Overall asthma	YWHAQ	cg06701500	1	Wald ratio	0.080	0.040	1.08 (1.00, 1.17)	0.046	NA	NA
Allergic asthma	GSDMB	cg10057218	8	Inverse variance weighted	-0.251	0.041	0.78 (0.72, 0.84)	1.36E-09	-0.027	0.370
Allergic asthma	GSDMB	cg27435903	2	Inverse variance weighted	0.188	0.069	1.21 (1.05, 1.38)	0.006	NA	NA
Allergic asthma	ORMDL3	cg19511844	1	Wald ratio	0.436	0.091	1.55 (1.29, 1.85)	1.70E-06	NA	NA
Allergic asthma	CLEC16A	cg10390979	1	Wald ratio	0.389	0.059	1.48 (1.31, 1.66)	4.21E-11	NA	NA
Allergic asthma	IL6	cg13104385	28	Inverse variance weighted	0.055	0.012	1.06 (1.03, 1.08)	6.76E-06	0.013	0.263
Allergic asthma	IL6	cg05265849	21	Inverse variance weighted	0.069	0.013	1.07 (1.04, 1.10)	6.91E-08	-0.001	0.948
Allergic asthma	IL6	cg05472934	18	Inverse variance weighted	0.059	0.027	1.06 (1.01, 1.12)	0.029	0.015	0.450
Allergic asthma	GSDMB	cg12360886	1	Wald ratio	-0.814	0.104	0.44 (0.36, 0.54)	4.61E-15	NA	NA
Allergic asthma	GSDMA	cg10794714	1	Wald ratio	-0.461	0.081	0.63 (0.54, 0.74)	1.04E-08	NA	NA
Allergic asthma	IL4R	cg01165142	1	Wald ratio	0.633	0.105	1.88 (1.53, 2.32)	1.94E-09	NA	NA
Allergic asthma	UNC5B	cg23622162	12	Inverse variance weighted	0.041	0.016	1.04 (1.01, 1.08)	0.010	0.021	0.086
Allergic asthma	TRIM8	cg07119830	15	Inverse variance weighted	-0.069	0.013	0.93 (0.91, 0.96)	1.19E-07	0.014	0.225
Allergic asthma	BLK	cg24861686	13	Inverse variance weighted	-0.139	0.024	0.87 (0.83, 0.91)	3.52E-09	0.030	0.156
Allergic asthma	KAT5;RNASEH2C	cg11637721	2	Inverse variance weighted	0.226	0.053	1.25 (1.13, 1.39)	2.36E-05	NA	NA
Allergic asthma	MTMR9	cg06240162	1	Wald ratio	0.393	0.089	1.48 (1.24, 1.76)	1.13E-05	NA	NA
Allergic asthma	XBP1	cg18940763	3	Inverse variance weighted	-0.122	0.044	0.89 (0.81, 0.97)	0.006	0.019	0.721
Allergic asthma	TRIM27	cg22900372	11	Inverse variance weighted	-0.105	0.028	0.90 (0.85, 0.95)	1.73E-04	-0.001	0.967
Allergic asthma	RPTOR	cg15946337	4	Inverse variance weighted	-0.139	0.032	0.87 (0.82, 0.93)	1.71E-05	0.016	0.752
Allergic asthma	TRIM27	cg21997109	17	Inverse variance weighted	0.061	0.017	1.06 (1.03, 1.10)	2.96E-04	-0.001	0.984
Allergic asthma	TRIM27	cg11073024	15	Inverse variance weighted	0.073	0.015	1.08 (1.04, 1.11)	1.04E-06	0.009	0.605
Allergic asthma	STAT5A	cg05117208	2	Inverse variance weighted	0.146	0.038	1.16 (1.07, 1.25)	1.40E-04	NA	NA
Allergic asthma	KIF1B	cg11712187	3	Inverse variance weighted	-0.162	0.057	0.85 (0.76, 0.95)	0.005	-0.003	0.971
Allergic asthma	BLK	cg04335815	3	Inverse variance weighted	-0.135	0.047	0.87 (0.80, 0.96)	0.004	0.186	0.362
Allergic asthma	CAV1	cg04474049	2	Inverse variance weighted	0.144	0.036	1.15 (1.08, 1.24)	5.20E-05	NA	NA
Allergic asthma	STAT5B	cg18810026	1	Wald ratio	0.179	0.051	1.20 (1.08, 1.32)	4.40E-04	NA	NA
Allergic asthma	MAP2K5	cg24247231	7	Inverse variance weighted	-0.048	0.012	0.95 (0.93, 0.98)	1.06E-04	-0.005	0.736
Allergic asthma	STAT5A	cg20388732	1	Wald ratio	0.202	0.057	1.22 (1.09, 1.37)	4.27E-04	NA	NA
Allergic asthma	CAV1	cg20897119	1	Wald ratio	0.268	0.074	1.31 (1.13, 1.51)	2.92E-04	NA	NA
Allergic asthma	JAK2	cg02405213	12	Inverse variance weighted	-0.032	0.012	0.97 (0.95, 0.99)	0.009	0.013	0.376
Allergic asthma	CD84	cg13188263	2	Inverse variance weighted	0.160	0.066	1.17 (1.03, 1.34)	0.016	NA	NA
Allergic asthma	MAP2K5	cg19393677	2	Inverse variance weighted	0.121	0.034	1.13 (1.06, 1.21)	3.79E-04	NA	NA
Allergic asthma	TRIM27	cg01928896	1	Wald ratio	0.307	0.084	1.36 (1.15, 1.60)	2.54E-04	NA	NA
Allergic asthma	STAT5A	cg03001305	1	Wald ratio	-0.257	0.073	0.77 (0.67, 0.89)	4.26E-04	NA	NA
Allergic asthma	USP30	cg12535380	12	Inverse variance weighted	-0.037	0.013	0.96 (0.94, 0.99)	0.005	0.008	0.473
Allergic asthma	SNX32	cg15531562	35	Inverse variance weighted	-0.043	0.009	0.96 (0.94, 0.98)	4.51E-06	-0.001	0.891
Allergic asthma	STAT5A	cg06357561	1	Wald ratio	-0.275	0.078	0.76 (0.65, 0.89)	4.26E-04	NA	NA
Allergic asthma	RPTOR	cg10585621	1	Wald ratio	-0.271	0.076	0.76 (0.66, 0.88)	3.45E-04	NA	NA
Allergic asthma	CAV1	cg01265597	1	Wald ratio	0.265	0.076	1.30 (1.12, 1.51)	5.21E-04	NA	NA
Allergic asthma	CTSZ	cg06125903	5	Inverse variance weighted	-0.061	0.028	0.94 (0.89, 0.99)	0.027	-0.049	0.277
Allergic asthma	CTSZ	cg04917472	6	Inverse variance weighted	-0.057	0.026	0.94 (0.90, 0.99)	0.030	-0.026	0.454

Allergic asthma	JAK2	cg03508284	7	Inverse variance weighted	-0.099	0.024	0.91 (0.86, 0.95)	4.00E-05	0.004	0.890
Allergic asthma	STAT5B	cg19465320	2	Inverse variance weighted	-0.222	0.057	0.80 (0.72, 0.90)	1.11E-04	NA	NA
Allergic asthma	TRAF5	cg09825327	2	Inverse variance weighted	0.201	0.051	1.22 (1.11, 1.35)	8.15E-05	NA	NA
Allergic asthma	GAB2	cg07780377	1	Wald ratio	-0.212	0.062	0.81 (0.72, 0.91)	6.76E-04	NA	NA
Allergic asthma	JAK2	cg13568515	11	Inverse variance weighted	-0.033	0.012	0.97 (0.94, 0.99)	0.006	-0.002	0.857
Allergic asthma	STAT5A	cg17478203	1	Wald ratio	0.344	0.097	1.41 (1.17, 1.71)	4.18E-04	NA	NA
Allergic asthma	CD84	cg27304328	2	Inverse variance weighted	-0.094	0.028	0.91 (0.86, 0.96)	8.30E-04	NA	NA
Allergic asthma	GAB2	cg26672202	5	Inverse variance weighted	0.058	0.018	1.06 (1.02, 1.10)	9.64E-04	-0.002	0.933
Allergic asthma	MAP3K5	cg24999105	2	Inverse variance weighted	0.090	0.028	1.09 (1.04, 1.16)	0.001	NA	NA
Allergic asthma	TRIM27	cg03270340	6	Inverse variance weighted	-0.060	0.030	0.94 (0.89, 1.00)	0.046	0.024	0.169
Allergic asthma	GFAP	cg23016243	5	Inverse variance weighted	0.118	0.033	1.13 (1.06, 1.20)	2.94E-04	0.002	0.921
Allergic asthma	STXBP2	cg24759919	9	Inverse variance weighted	-0.054	0.015	0.95 (0.92, 0.98)	2.73E-04	-0.002	0.906
Allergic asthma	GFAP	cg20911989	11	Inverse variance weighted	-0.114	0.026	0.89 (0.85, 0.94)	9.02E-06	-0.008	0.650
Allergic asthma	STXBP2	cg27546241	6	Inverse variance weighted	-0.066	0.024	0.94 (0.89, 0.98)	0.005	-0.003	0.886
Allergic asthma	GAB2	cg13319772	1	Wald ratio	-0.241	0.073	0.79 (0.68, 0.91)	9.39E-04	NA	NA
Allergic asthma	CAMKK2	cg27277183	5	Inverse variance weighted	-0.065	0.033	0.94 (0.88, 1.00)	0.047	0.041	0.132
Allergic asthma	BOK	cg22999099	10	Inverse variance weighted	-0.040	0.013	0.96 (0.94, 0.98)	0.001	0.003	0.768
Allergic asthma	FADS2	cg19610905	14	Inverse variance weighted	0.049	0.011	1.05 (1.03, 1.07)	1.87E-05	0.007	0.487
Allergic asthma	NFKB1	cg09390974	11	Inverse variance weighted	-0.054	0.015	0.95 (0.92, 0.98)	2.86E-04	0.009	0.424
Allergic asthma	NFKB1	cg15409712	8	Inverse variance weighted	-0.062	0.016	0.94 (0.91, 0.97)	9.73E-05	-0.008	0.560
Allergic asthma	BOK	cg23959977	15	Inverse variance weighted	-0.035	0.014	0.97 (0.94, 0.99)	0.014	0.004	0.723
Allergic asthma	CDH1	cg24765079	8	Inverse variance weighted	-0.094	0.023	0.91 (0.87, 0.95)	4.36E-05	-0.016	0.409
Allergic asthma	ZNF205;MGC3771	cg05225996	7	Inverse variance weighted	-0.045	0.016	0.96 (0.93, 0.99)	0.005	0.014	0.485
Allergic asthma	ZNF205;MGC3771	cg02512168	6	Inverse variance weighted	-0.060	0.022	0.94 (0.90, 0.98)	0.006	0.021	0.333
Allergic asthma	TRIM27	cg09855662	3	Inverse variance weighted	-0.156	0.040	0.86 (0.79, 0.93)	1.06E-04	0.000	0.996
Allergic asthma	BMF	cg02313495	6	Inverse variance weighted	0.041	0.015	1.04 (1.01, 1.07)	0.006	0.000	0.991
Allergic asthma	GAB2	cg12700464	1	Wald ratio	-0.325	0.094	0.72 (0.60, 0.87)	5.42E-04	NA	NA
Allergic asthma	MTMR9	cg12981288	1	Wald ratio	0.223	0.070	1.25 (1.09, 1.44)	0.002	NA	NA
Allergic asthma	MAP3K5	cg21506299	2	Inverse variance weighted	0.127	0.041	1.14 (1.05, 1.23)	0.002	NA	NA
Allergic asthma	STXBP2	cg04770751	2	Inverse variance weighted	-0.126	0.050	0.88 (0.80, 0.97)	0.012	NA	NA
Allergic asthma	SLC40A1	cg01158447	1	Wald ratio	-0.168	0.055	0.85 (0.76, 0.94)	0.002	NA	NA
Allergic asthma	ZNF205;MGC3771	cg05112582	2	Inverse variance weighted	-0.110	0.035	0.90 (0.84, 0.96)	0.002	NA	NA
Allergic asthma	PPM1F	cg24533864	2	Inverse variance weighted	0.262	0.063	1.30 (1.15, 1.47)	3.43E-05	NA	NA
Allergic asthma	IDUA	cg04508482	2	Inverse variance weighted	0.227	0.060	1.26 (1.12, 1.41)	1.56E-04	NA	NA
Allergic asthma	PPIA	cg04192557	2	Inverse variance weighted	0.109	0.042	1.12 (1.03, 1.21)	0.009	NA	NA
Allergic asthma	GFAP	cg16343401	15	Inverse variance weighted	-0.067	0.017	0.94 (0.90, 0.97)	1.06E-04	0.000	0.992
Allergic asthma	CAMKK2	cg23383531	1	Wald ratio	-0.203	0.067	0.82 (0.72, 0.93)	0.002	NA	NA
Allergic asthma	GAB2	cg25502267	1	Wald ratio	-0.220	0.071	0.80 (0.70, 0.92)	0.002	NA	NA
Allergic asthma	CDH1	cg08616585	1	Wald ratio	0.209	0.069	1.23 (1.08, 1.41)	0.002	NA	NA
Allergic asthma	FOXO1	cg23413567	1	Wald ratio	-0.166	0.056	0.85 (0.76, 0.94)	0.003	NA	NA
Allergic asthma	FYN	cg26846943	12	Inverse variance weighted	0.045	0.012	1.05 (1.02, 1.07)	2.07E-04	-0.005	0.613
Allergic asthma	FYN	cg20596647	10	Inverse variance weighted	0.066	0.016	1.07 (1.04, 1.10)	2.73E-05	-0.010	0.372

Allergic asthma	FYN	cg05517541	10	Inverse variance weighted	0.054	0.014	1.06 (1.03, 1.09)	1.62E-04	-0.006	0.604
Allergic asthma	SLC40A1	cg11692477	1	Wald ratio	0.189	0.063	1.21 (1.07, 1.37)	0.003	NA	NA
Allergic asthma	PCGF2	cg24539380	7	Inverse variance weighted	-0.046	0.018	0.96 (0.92, 0.99)	0.012	0.012	0.352
Allergic asthma	FYN	cg08601457	6	Inverse variance weighted	0.094	0.028	1.10 (1.04, 1.16)	6.39E-04	-0.010	0.720
Allergic asthma	ZNF205;MGC3771	cg26863821	1	Wald ratio	0.191	0.064	1.21 (1.07, 1.37)	0.003	NA	NA
Allergic asthma	GAB2	cg13226797	1	Wald ratio	-0.257	0.082	0.77 (0.66, 0.91)	0.002	NA	NA
Allergic asthma	CDC42	cg21772489	2	Inverse variance weighted	0.134	0.043	1.14 (1.05, 1.24)	0.002	NA	NA
Allergic asthma	PPIA	cg26307266	2	Inverse variance weighted	0.124	0.041	1.13 (1.05, 1.23)	0.002	NA	NA
Allergic asthma	TRIM27	cg09292581	1	Wald ratio	-0.347	0.107	0.71 (0.57, 0.87)	0.001	NA	NA
Allergic asthma	FYN	cg24824472	1	Wald ratio	0.145	0.051	1.16 (1.05, 1.28)	0.004	NA	NA
Allergic asthma	GNS	cg18624581	2	Inverse variance weighted	0.089	0.044	1.09 (1.00, 1.19)	0.042	NA	NA
Allergic asthma	UBE4B	cg08737543	1	Wald ratio	0.093	0.033	1.10 (1.03, 1.17)	0.005	NA	NA
Allergic asthma	MAP3K5	cg02673417	1	Wald ratio	0.265	0.086	1.30 (1.10, 1.54)	0.002	NA	NA
Allergic asthma	IL1B	cg07935264	1	Wald ratio	-0.289	0.093	0.75 (0.62, 0.90)	0.002	NA	NA
Allergic asthma	FYCO1	cg18004856	23	Inverse variance weighted	-0.022	0.010	0.98 (0.96, 1.00)	0.032	0.000	0.958
Allergic asthma	TRIM27	cg27120125	2	Inverse variance weighted	-0.369	0.083	0.69 (0.59, 0.81)	8.34E-06	NA	NA
Allergic asthma	BMF	cg18494902	3	Inverse variance weighted	0.098	0.046	1.10 (1.01, 1.21)	0.033	-0.021	0.611
Allergic asthma	IL6	cg15703690	2	Inverse variance weighted	-0.177	0.046	0.84 (0.77, 0.92)	1.26E-04	NA	NA
Allergic asthma	MAP3K5	cg10599345	8	Inverse variance weighted	-0.036	0.013	0.96 (0.94, 0.99)	0.007	0.007	0.640
Allergic asthma	DAPK2	cg01859228	16	Inverse variance weighted	0.042	0.013	1.04 (1.02, 1.07)	0.001	0.003	0.798
Allergic asthma	PIP4K2B	cg20303331	3	Inverse variance weighted	-0.071	0.024	0.93 (0.89, 0.98)	0.003	0.005	0.870
Allergic asthma	PLEKHF1	cg09776718	1	Wald ratio	0.330	0.105	1.39 (1.13, 1.71)	0.002	NA	NA
Allergic asthma	TRAF1	cg14518276	4	Inverse variance weighted	0.110	0.033	1.12 (1.05, 1.19)	9.03E-04	0.000	1.000
Allergic asthma	STXBP2	cg24479032	1	Wald ratio	-0.267	0.089	0.77 (0.64, 0.91)	0.003	NA	NA
Allergic asthma	CDH1	cg01251360	16	Inverse variance weighted	-0.079	0.014	0.92 (0.90, 0.95)	2.06E-08	-0.004	0.664
Allergic asthma	MAP3K5	cg15804973	3	Inverse variance weighted	-0.071	0.026	0.93 (0.89, 0.98)	0.006	0.003	0.927
Allergic asthma	BMF	cg26662201	1	Wald ratio	0.283	0.094	1.33 (1.10, 1.59)	0.003	NA	NA
Allergic asthma	EYA2	cg26046136	1	Wald ratio	0.178	0.063	1.19 (1.06, 1.35)	0.005	NA	NA
Allergic asthma	GFAP	cg10855825	1	Wald ratio	-0.263	0.091	0.77 (0.64, 0.92)	0.004	NA	NA
Allergic asthma	FYN	cg17076443	1	Wald ratio	0.238	0.084	1.27 (1.08, 1.50)	0.004	NA	NA
Allergic asthma	GFAP	cg02407342	1	Wald ratio	-0.266	0.092	0.77 (0.64, 0.92)	0.004	NA	NA
Allergic asthma	TRAF1	cg15551881	4	Inverse variance weighted	0.121	0.035	1.13 (1.05, 1.21)	5.99E-04	0.058	0.338
Allergic asthma	PIH1D1	cg26964117	1	Wald ratio	0.155	0.056	1.17 (1.05, 1.30)	0.005	NA	NA
Allergic asthma	BMF	cg07887985	1	Wald ratio	0.264	0.090	1.30 (1.09, 1.55)	0.003	NA	NA
Allergic asthma	STXBP2	cg27508769	1	Wald ratio	-0.304	0.101	0.74 (0.61, 0.90)	0.003	NA	NA
Allergic asthma	MAP3K5	cg07868909	9	Inverse variance weighted	-0.034	0.014	0.97 (0.94, 0.99)	0.013	0.025	0.165
Allergic asthma	ARSB	cg15712777	3	Inverse variance weighted	-0.124	0.054	0.88 (0.79, 0.98)	0.020	0.033	0.430
Allergic asthma	PIK3CD	cg11980800	1	Wald ratio	-0.210	0.074	0.81 (0.70, 0.94)	0.005	NA	NA
Allergic asthma	GNS	cg27476482	1	Wald ratio	-0.208	0.074	0.81 (0.70, 0.94)	0.005	NA	NA
Allergic asthma	ACSL1	cg27571769	1	Wald ratio	0.181	0.065	1.20 (1.06, 1.36)	0.005	NA	NA
Allergic asthma	DAP	cg17665505	1	Wald ratio	0.172	0.062	1.19 (1.05, 1.34)	0.006	NA	NA
Allergic asthma	PRKAG2	cg18439339	1	Wald ratio	-0.175	0.064	0.84 (0.74, 0.95)	0.006	NA	NA

Allergic asthma	STX4	cg06233904	1	Wald ratio	-0.146	0.054	0.86 (0.78, 0.96)	0.007	NA	NA
Allergic asthma	PPIA	cg26194633	1	Wald ratio	0.276	0.095	1.32 (1.09, 1.59)	0.004	NA	NA
Allergic asthma	MTOR	cg07922924	1	Wald ratio	0.076	0.029	1.08 (1.02, 1.14)	0.009	NA	NA
Allergic asthma	JAK2	cg20394284	6	Inverse variance weighted	0.065	0.025	1.07 (1.02, 1.12)	0.010	0.005	0.839
Allergic asthma	NACC2	cg13588388	2	Inverse variance weighted	0.102	0.031	1.11 (1.04, 1.18)	0.001	NA	NA
Allergic asthma	FADS2	cg11250194	16	Inverse variance weighted	0.042	0.014	1.04 (1.02, 1.07)	0.002	0.005	0.677
Allergic asthma	GNAI2	cg17641710	1	Wald ratio	-0.155	0.057	0.86 (0.77, 0.96)	0.007	NA	NA
Allergic asthma	WDR6	cg05785598	9	Inverse variance weighted	0.055	0.026	1.06 (1.00, 1.11)	0.034	-0.015	0.501
Allergic asthma	TRAF1	cg14392772	1	Wald ratio	-0.166	0.062	0.85 (0.75, 0.96)	0.008	NA	NA
Allergic asthma	STX4	cg08893833	1	Wald ratio	-0.192	0.071	0.83 (0.72, 0.95)	0.007	NA	NA
Allergic asthma	SNX4	cg27440834	8	Inverse variance weighted	0.054	0.021	1.06 (1.01, 1.10)	0.010	-0.010	0.508
Allergic asthma	DPP4	cg21565914	1	Wald ratio	0.200	0.074	1.22 (1.06, 1.41)	0.007	NA	NA
Allergic asthma	IL6	cg00087425	1	Wald ratio	-0.296	0.104	0.74 (0.61, 0.91)	0.004	NA	NA
Allergic asthma	ATF6	cg12648759	8	Inverse variance weighted	-0.053	0.019	0.95 (0.91, 0.99)	0.007	-0.020	0.231
Allergic asthma	ERBB3	cg23731805	1	Wald ratio	-0.115	0.045	0.89 (0.82, 0.97)	0.010	NA	NA
Allergic asthma	SLC26A11;SGSH	cg24838010	1	Wald ratio	-0.182	0.068	0.83 (0.73, 0.95)	0.008	NA	NA
Allergic asthma	PPIF	cg03648155	1	Wald ratio	0.135	0.051	1.14 (1.04, 1.27)	0.008	NA	NA
Allergic asthma	YWHAB	cg15324310	2	Inverse variance weighted	-0.102	0.051	0.90 (0.82, 1.00)	0.047	NA	NA
Allergic asthma	TRIM8	cg27391127	2	Inverse variance weighted	-0.112	0.036	0.89 (0.83, 0.96)	0.002	NA	NA
Allergic asthma	SNX4	cg12083990	1	Wald ratio	0.229	0.088	1.26 (1.06, 1.49)	0.009	NA	NA
Allergic asthma	SLC39A10	cg16158027	4	Inverse variance weighted	-0.048	0.022	0.95 (0.91, 0.99)	0.025	0.022	0.289
Allergic asthma	WDR6	cg07636037	19	Inverse variance weighted	0.038	0.012	1.04 (1.01, 1.06)	0.002	-0.009	0.530
Allergic asthma	SGSH	cg01502244	1	Wald ratio	0.215	0.080	1.24 (1.06, 1.45)	0.007	NA	NA
Allergic asthma	MTOR	cg04310074	1	Wald ratio	0.074	0.029	1.08 (1.02, 1.14)	0.010	NA	NA
Allergic asthma	FOXO1	cg11244402	1	Wald ratio	-0.098	0.039	0.91 (0.84, 0.98)	0.011	NA	NA
Allergic asthma	GATA4	cg04880278	1	Wald ratio	-0.175	0.067	0.84 (0.74, 0.96)	0.009	NA	NA
Allergic asthma	ARSB	cg10864794	7	Inverse variance weighted	0.066	0.021	1.07 (1.03, 1.11)	0.001	-0.015	0.347
Allergic asthma	GATA4	cg12637676	1	Wald ratio	0.218	0.081	1.24 (1.06, 1.46)	0.007	NA	NA
Allergic asthma	HTT	cg11324953	5	Inverse variance weighted	-0.102	0.044	0.90 (0.83, 0.98)	0.019	0.035	0.343
Allergic asthma	FEZ1	cg12906303	8	Inverse variance weighted	-0.048	0.017	0.95 (0.92, 0.99)	0.006	-0.005	0.611
Allergic asthma	GNPTAB	cg03756485	3	Inverse variance weighted	-0.087	0.028	0.92 (0.87, 0.97)	0.002	-0.009	0.840
Allergic asthma	FEZ1	cg18436735	4	Inverse variance weighted	-0.062	0.024	0.94 (0.90, 0.98)	0.009	-0.002	0.910
Allergic asthma	ABCA2;C9orf139	cg13806966	2	Inverse variance weighted	-0.191	0.054	0.83 (0.74, 0.92)	4.32E-04	NA	NA
Allergic asthma	FYN	cg08376209	2	Inverse variance weighted	0.205	0.069	1.23 (1.07, 1.41)	0.003	NA	NA
Allergic asthma	CDH1	cg16739895	1	Wald ratio	-0.283	0.104	0.75 (0.62, 0.92)	0.006	NA	NA
Allergic asthma	FADS2	cg07005513	1	Wald ratio	0.176	0.068	1.19 (1.04, 1.36)	0.010	NA	NA
Allergic asthma	FADS2	cg07591205	1	Wald ratio	-0.182	0.071	0.83 (0.73, 0.96)	0.010	NA	NA
Allergic asthma	CHGA	cg10166151	1	Wald ratio	0.142	0.056	1.15 (1.03, 1.29)	0.011	NA	NA
Allergic asthma	ING5	cg14409746	2	Inverse variance weighted	0.212	0.068	1.24 (1.08, 1.41)	0.002	NA	NA
Allergic asthma	ATF6	cg10230257	1	Wald ratio	-0.277	0.103	0.76 (0.62, 0.93)	0.007	NA	NA
Allergic asthma	DAPK2	cg02919090	24	Inverse variance weighted	-0.048	0.011	0.95 (0.93, 0.97)	2.90E-05	-0.010	0.255
Allergic asthma	ATF6	cg09175582	3	Inverse variance weighted	-0.132	0.041	0.88 (0.81, 0.95)	0.001	-0.034	0.362

Allergic asthma	FOXK1	cg09789173	5	Inverse variance weighted	0.042	0.015	1.04 (1.01, 1.07)	0.005	-0.011	0.639
Allergic asthma	USP30	cg03124318	9	Inverse variance weighted	-0.060	0.018	0.94 (0.91, 0.98)	7.80E-04	-0.005	0.730
Allergic asthma	FOXO1	cg09792463	3	Inverse variance weighted	-0.091	0.034	0.91 (0.85, 0.98)	0.009	-0.009	0.789
Allergic asthma	USP30	cg03220751	13	Inverse variance weighted	-0.052	0.015	0.95 (0.92, 0.98)	5.00E-04	-0.001	0.915
Allergic asthma	STAT3	cg07780782	6	Inverse variance weighted	0.056	0.019	1.06 (1.02, 1.10)	0.003	-0.001	0.961
Allergic asthma	TRAF1	cg14064762	2	Inverse variance weighted	0.152	0.047	1.16 (1.06, 1.28)	0.001	NA	NA
Allergic asthma	FOXF1	cg09338251	1	Wald ratio	0.248	0.093	1.28 (1.07, 1.54)	0.008	NA	NA
Allergic asthma	PPIF	cg11057378	2	Inverse variance weighted	0.072	0.027	1.07 (1.02, 1.13)	0.009	NA	NA
Allergic asthma	SYK	cg14424519	1	Wald ratio	0.179	0.070	1.20 (1.04, 1.37)	0.010	NA	NA
Allergic asthma	CDK5R1	cg22322863	1	Wald ratio	0.188	0.074	1.21 (1.04, 1.39)	0.011	NA	NA
Allergic asthma	CHGA	cg01901466	1	Wald ratio	0.182	0.072	1.20 (1.04, 1.38)	0.011	NA	NA
Allergic asthma	FOXO1	cg14168545	1	Wald ratio	0.156	0.062	1.17 (1.03, 1.32)	0.012	NA	NA
Allergic asthma	KAT5	cg04321396	1	Wald ratio	-0.145	0.058	0.87 (0.77, 0.97)	0.013	NA	NA
Allergic asthma	FOXK1	cg05764847	1	Wald ratio	-0.102	0.042	0.90 (0.83, 0.98)	0.015	NA	NA
Allergic asthma	PPIF	cg04159077	1	Wald ratio	-0.097	0.040	0.91 (0.84, 0.98)	0.015	NA	NA
Allergic asthma	ERBB3	cg00907267	1	Wald ratio	-0.193	0.076	0.82 (0.71, 0.96)	0.011	NA	NA
Allergic asthma	LIPA	cg16398628	17	Inverse variance weighted	0.034	0.012	1.03 (1.01, 1.06)	0.005	0.004	0.703
Allergic asthma	PIK3CD	cg20994801	4	Inverse variance weighted	0.096	0.025	1.10 (1.05, 1.16)	1.02E-04	0.029	0.490
Allergic asthma	LIPA	cg20483560	9	Inverse variance weighted	0.054	0.021	1.06 (1.01, 1.10)	0.010	0.006	0.712
Allergic asthma	DPP4	cg12335708	1	Wald ratio	0.237	0.092	1.27 (1.06, 1.52)	0.010	NA	NA
Allergic asthma	P4HTM;WDR6	cg08455380	1	Wald ratio	0.183	0.073	1.20 (1.04, 1.38)	0.012	NA	NA
Allergic asthma	ITM2C	cg02806733	4	Inverse variance weighted	-0.065	0.032	0.94 (0.88, 1.00)	0.042	0.088	0.348
Allergic asthma	IDUA	cg08160350	4	Inverse variance weighted	-0.072	0.032	0.93 (0.87, 0.99)	0.026	0.009	0.688
Allergic asthma	FYCO1	cg11211486	10	Inverse variance weighted	0.035	0.016	1.04 (1.00, 1.07)	0.030	-0.026	0.136
Allergic asthma	FEZ1	cg01460481	7	Inverse variance weighted	-0.045	0.017	0.96 (0.92, 0.99)	0.007	-0.006	0.592
Allergic asthma	PML	cg18136895	2	Inverse variance weighted	0.124	0.046	1.13 (1.03, 1.24)	0.007	NA	NA
Allergic asthma	PPIF	cg19939077	2	Inverse variance weighted	-0.086	0.036	0.92 (0.85, 0.99)	0.018	NA	NA
Allergic asthma	ABCA2	cg14105458	1	Wald ratio	-0.239	0.092	0.79 (0.66, 0.94)	0.010	NA	NA
Allergic asthma	LIPA	cg15406666	3	Inverse variance weighted	0.107	0.032	1.11 (1.04, 1.19)	9.37E-04	0.020	0.646
Allergic asthma	YWHAB	cg10774185	1	Wald ratio	-0.259	0.101	0.77 (0.63, 0.94)	0.010	NA	NA
Allergic asthma	PPIF	cg09469691	2	Inverse variance weighted	0.086	0.033	1.09 (1.02, 1.16)	0.008	NA	NA
Allergic asthma	HIP1R	cg19340625	3	Inverse variance weighted	-0.073	0.025	0.93 (0.88, 0.98)	0.004	-0.005	0.896
Allergic asthma	GCC2	cg02082929	17	Inverse variance weighted	-0.047	0.013	0.95 (0.93, 0.98)	4.03E-04	-0.003	0.843
Allergic asthma	SPTLC2	cg24171453	3	Inverse variance weighted	-0.080	0.038	0.92 (0.86, 1.00)	0.037	0.049	0.575
Allergic asthma	EIF2AK4	cg16127683	9	Inverse variance weighted	-0.027	0.012	0.97 (0.95, 1.00)	0.026	0.013	0.303
Allergic asthma	EIF2AK4	cg20255370	9	Inverse variance weighted	-0.027	0.012	0.97 (0.95, 1.00)	0.027	0.013	0.310
Allergic asthma	TRIM27	cg27257926	1	Wald ratio	-0.245	0.098	0.78 (0.65, 0.95)	0.012	NA	NA
Allergic asthma	ATF3	cg23534142	12	Inverse variance weighted	-0.048	0.018	0.95 (0.92, 0.99)	0.009	-0.010	0.336
Allergic asthma	TRAF1	cg04517263	2	Inverse variance weighted	0.210	0.066	1.23 (1.08, 1.40)	0.001	NA	NA
Allergic asthma	CTSB	cg00276098	1	Wald ratio	-0.192	0.078	0.83 (0.71, 0.96)	0.013	NA	NA
Allergic asthma	KDM1A	cg23271558	1	Wald ratio	-0.198	0.082	0.82 (0.70, 0.96)	0.015	NA	NA
Allergic asthma	BCL2L1	cg00300298	3	Inverse variance weighted	-0.126	0.039	0.88 (0.82, 0.95)	0.001	-0.006	0.827

Allergic asthma	ATP13A2	cg22045253	3	Inverse variance weighted	0.062	0.026	1.06 (1.01, 1.12)	0.016	-0.005	0.877
Allergic asthma	BLK	cg13440894	1	Wald ratio	-0.211	0.084	0.81 (0.69, 0.96)	0.013	NA	NA
Allergic asthma	HIP1	cg26406292	2	Inverse variance weighted	0.161	0.068	1.18 (1.03, 1.34)	0.018	NA	NA
Allergic asthma	LIPA	cg11772224	2	Inverse variance weighted	0.150	0.053	1.16 (1.05, 1.29)	0.005	NA	NA
Allergic asthma	IL10RA	cg26661481	1	Wald ratio	0.173	0.071	1.19 (1.03, 1.37)	0.015	NA	NA
Allergic asthma	PRKAG2	cg22513396	1	Wald ratio	-0.174	0.072	0.84 (0.73, 0.97)	0.016	NA	NA
Allergic asthma	CLU	cg16292768	1	Wald ratio	-0.104	0.044	0.90 (0.83, 0.98)	0.019	NA	NA
Allergic asthma	SH3BP4	cg27577781	2	Inverse variance weighted	-0.087	0.039	0.92 (0.85, 0.99)	0.025	NA	NA
Allergic asthma	ELANE	cg11683663	6	Inverse variance weighted	-0.057	0.022	0.94 (0.90, 0.99)	0.011	0.024	0.348
Allergic asthma	TP73	cg22039909	2	Inverse variance weighted	0.164	0.048	1.18 (1.07, 1.29)	6.50E-04	NA	NA
Allergic asthma	IL1A	cg23974023	3	Inverse variance weighted	0.110	0.042	1.12 (1.03, 1.21)	0.009	-0.022	0.643
Allergic asthma	TCIRG1	cg20865778	10	Inverse variance weighted	-0.061	0.019	0.94 (0.91, 0.98)	0.001	0.000	0.999
Allergic asthma	TRIML1	cg03444122	1	Wald ratio	0.150	0.064	1.16 (1.02, 1.32)	0.019	NA	NA
Allergic asthma	ELANE	cg02487452	3	Inverse variance weighted	-0.075	0.033	0.93 (0.87, 0.99)	0.023	0.030	0.538
Allergic asthma	TNFRSF1B	cg20680726	4	Inverse variance weighted	-0.062	0.023	0.94 (0.90, 0.98)	0.008	0.004	0.788
Allergic asthma	VPS4A	cg01115243	1	Wald ratio	0.427	0.173	1.53 (1.09, 2.15)	0.013	NA	NA
Allergic asthma	SNX32	cg13467162	1	Wald ratio	-0.105	0.045	0.90 (0.82, 0.98)	0.020	NA	NA
Allergic asthma	ITGAM	cg15337006	1	Wald ratio	-0.218	0.087	0.80 (0.68, 0.95)	0.013	NA	NA
Allergic asthma	ATP13A2	cg06953703	1	Wald ratio	0.208	0.086	1.23 (1.04, 1.46)	0.015	NA	NA
Allergic asthma	SLC39A8	cg14579898	3	Inverse variance weighted	0.137	0.038	1.15 (1.06, 1.24)	3.52E-04	0.023	0.729
Allergic asthma	VPS33A	cg09924998	2	Inverse variance weighted	-0.155	0.050	0.86 (0.78, 0.94)	0.002	NA	NA
Allergic asthma	HTT	cg15544235	1	Wald ratio	-0.197	0.081	0.82 (0.70, 0.96)	0.016	NA	NA
Allergic asthma	DEPDC5	cg04112842	1	Wald ratio	0.120	0.051	1.13 (1.02, 1.25)	0.019	NA	NA
Allergic asthma	ATP2A1	cg27473355	1	Wald ratio	-0.176	0.075	0.84 (0.72, 0.97)	0.019	NA	NA
Allergic asthma	KEAP1	cg22779878	1	Wald ratio	-0.140	0.060	0.87 (0.77, 0.98)	0.021	NA	NA
Allergic asthma	TFEB	cg10696677	3	Inverse variance weighted	-0.077	0.033	0.93 (0.87, 0.99)	0.018	0.003	0.919
Allergic asthma	GATA4	cg16810626	20	Inverse variance weighted	0.078	0.014	1.08 (1.05, 1.11)	2.16E-08	0.009	0.343
Allergic asthma	ELANE	cg21586152	2	Inverse variance weighted	-0.139	0.064	0.87 (0.77, 0.99)	0.029	NA	NA
Allergic asthma	DBH	cg14368247	1	Wald ratio	-0.187	0.077	0.83 (0.71, 0.96)	0.015	NA	NA
Allergic asthma	ALOX15	cg22280258	3	Inverse variance weighted	-0.125	0.050	0.88 (0.80, 0.97)	0.013	0.028	0.585
Allergic asthma	PPM1F	cg02377915	5	Inverse variance weighted	-0.072	0.027	0.93 (0.88, 0.98)	0.009	0.012	0.583
Allergic asthma	FOXK1	cg00064840	3	Inverse variance weighted	0.063	0.026	1.06 (1.01, 1.12)	0.015	-0.001	0.976
Allergic asthma	PPT2	cg11122280	1	Wald ratio	0.537	0.194	1.71 (1.17, 2.50)	0.006	NA	NA
Allergic asthma	OPA1	cg05652783	2	Inverse variance weighted	-0.108	0.044	0.90 (0.82, 0.98)	0.014	NA	NA
Allergic asthma	SLC39A14	cg23563866	1	Wald ratio	-0.140	0.061	0.87 (0.77, 0.98)	0.022	NA	NA
Allergic asthma	SYK	cg02608019	10	Inverse variance weighted	0.050	0.017	1.05 (1.02, 1.09)	0.002	-0.002	0.894
Allergic asthma	MSX1	cg13882284	1	Wald ratio	0.199	0.084	1.22 (1.04, 1.44)	0.017	NA	NA
Allergic asthma	FOXK1	cg13287553	1	Wald ratio	0.071	0.032	1.07 (1.01, 1.14)	0.026	NA	NA
Allergic asthma	FOXK1	cg10118545	1	Wald ratio	0.076	0.034	1.08 (1.01, 1.15)	0.026	NA	NA
Allergic asthma	SLC40A1	cg15599483	2	Inverse variance weighted	0.122	0.056	1.13 (1.01, 1.26)	0.030	NA	NA
Allergic asthma	ITGA6	cg15890754	3	Inverse variance weighted	-0.084	0.032	0.92 (0.86, 0.98)	0.010	0.086	0.659
Allergic asthma	MAP1LC3B;FBXO31	cg23636419	1	Wald ratio	-0.228	0.097	0.80 (0.66, 0.96)	0.019	NA	NA

Allergic asthma	RUFY4	cg01712671	1	Wald ratio	-0.208	0.089	0.81 (0.68, 0.97)	0.020	NA	NA
Allergic asthma	SYK	cg13782919	1	Wald ratio	-0.166	0.073	0.85 (0.73, 0.98)	0.023	NA	NA
Allergic asthma	WDR35	cg23516425	1	Wald ratio	0.156	0.069	1.17 (1.02, 1.34)	0.024	NA	NA
Allergic asthma	CTSZ	cg03451557	1	Wald ratio	-0.175	0.077	0.84 (0.72, 0.98)	0.024	NA	NA
Allergic asthma	FYN	cg04657000	1	Wald ratio	0.158	0.070	1.17 (1.02, 1.34)	0.025	NA	NA
Allergic asthma	TNFRSF25;PLEKHG5	cg23114616	9	Inverse variance weighted	-0.057	0.018	0.94 (0.91, 0.98)	0.001	-0.015	0.217
Allergic asthma	PPT2	cg23660356	1	Wald ratio	0.724	0.262	2.06 (1.24, 3.44)	0.006	NA	NA
Allergic asthma	INF2	cg05210373	1	Wald ratio	0.136	0.060	1.15 (1.02, 1.29)	0.025	NA	NA
Allergic asthma	INF2	cg04966159	1	Wald ratio	0.138	0.062	1.15 (1.02, 1.29)	0.025	NA	NA
Allergic asthma	TNFRSF25;PLEKHG5	cg03893150	4	Inverse variance weighted	-0.054	0.023	0.95 (0.91, 0.99)	0.017	0.020	0.493
Allergic asthma	TRIM8	cg06662132	1	Wald ratio	0.186	0.082	1.20 (1.03, 1.41)	0.023	NA	NA
Allergic asthma	ERBB3	cg17843101	1	Wald ratio	0.149	0.067	1.16 (1.02, 1.32)	0.025	NA	NA
Allergic asthma	HIP1	cg19507725	1	Wald ratio	0.099	0.045	1.10 (1.01, 1.21)	0.028	NA	NA
Allergic asthma	PPM1F	cg25898577	3	Inverse variance weighted	-0.081	0.034	0.92 (0.86, 0.99)	0.016	-0.011	0.827
Allergic asthma	LIPA	cg12555086	15	Inverse variance weighted	-0.028	0.011	0.97 (0.95, 0.99)	0.012	-0.001	0.909
Allergic asthma	SYK	cg23447996	2	Inverse variance weighted	-0.189	0.065	0.83 (0.73, 0.94)	0.003	NA	NA
Allergic asthma	STK24	cg03461548	1	Wald ratio	0.258	0.110	1.29 (1.04, 1.61)	0.019	NA	NA
Allergic asthma	ATF6	cg19735514	5	Inverse variance weighted	-0.051	0.019	0.95 (0.92, 0.99)	0.008	-0.008	0.674
Allergic asthma	RPTOR	cg16886414	11	Inverse variance weighted	-0.024	0.010	0.98 (0.96, 1.00)	0.016	0.004	0.716
Allergic asthma	NACC2	cg13923277	6	Inverse variance weighted	0.039	0.017	1.04 (1.01, 1.07)	0.021	0.003	0.865
Allergic asthma	NACC2	cg01612110	6	Inverse variance weighted	0.045	0.020	1.05 (1.00, 1.09)	0.028	-0.003	0.887
Allergic asthma	FYN	cg16155724	1	Wald ratio	0.184	0.082	1.20 (1.02, 1.41)	0.025	NA	NA
Allergic asthma	FOXK1	cg06287775	1	Wald ratio	0.158	0.071	1.17 (1.02, 1.35)	0.026	NA	NA
Allergic asthma	AKT1	cg19645788	4	Inverse variance weighted	-0.047	0.022	0.95 (0.91, 1.00)	0.037	0.015	0.467
Allergic asthma	PRKAG2	cg01005180	3	Inverse variance weighted	-0.093	0.030	0.91 (0.86, 0.97)	0.002	-0.024	0.515
Allergic asthma	PPP1R13B	cg09351176	1	Wald ratio	0.226	0.098	1.25 (1.03, 1.52)	0.021	NA	NA
Allergic asthma	PPT2;PRRT1	cg01111041	1	Wald ratio	0.819	0.296	2.27 (1.27, 4.05)	0.006	NA	NA
Allergic asthma	PADI4	cg17747053	2	Inverse variance weighted	0.094	0.036	1.10 (1.02, 1.18)	0.009	NA	NA
Allergic asthma	ITGA6	cg06262280	2	Inverse variance weighted	-0.148	0.056	0.86 (0.77, 0.96)	0.008	NA	NA
Allergic asthma	ARSB	cg26470338	13	Inverse variance weighted	0.043	0.013	1.04 (1.02, 1.07)	0.001	-0.002	0.878
Allergic asthma	TCIRG1	cg08801887	1	Wald ratio	-0.290	0.128	0.75 (0.58, 0.96)	0.023	NA	NA
Allergic asthma	PADI4	cg00702325	1	Wald ratio	0.177	0.079	1.19 (1.02, 1.39)	0.025	NA	NA
Allergic asthma	CDH1	cg20716119	1	Wald ratio	-0.122	0.056	0.89 (0.79, 0.99)	0.029	NA	NA
Allergic asthma	TNFRSF25;PLEKHG5	cg10539898	1	Wald ratio	-0.144	0.066	0.87 (0.76, 0.99)	0.030	NA	NA
Allergic asthma	NACC2	cg21229179	3	Inverse variance weighted	-0.082	0.037	0.92 (0.86, 0.99)	0.026	-0.003	0.974
Allergic asthma	GATA4	cg13434842	1	Wald ratio	-0.155	0.070	0.86 (0.75, 0.98)	0.027	NA	NA
Allergic asthma	RPTOR	cg06343673	10	Inverse variance weighted	-0.029	0.013	0.97 (0.95, 1.00)	0.025	-0.018	0.091
Allergic asthma	HYAL2	cg12150256	1	Wald ratio	-0.127	0.058	0.88 (0.79, 0.99)	0.028	NA	NA
Allergic asthma	ATP6V0A2	cg17306339	2	Inverse variance weighted	-0.225	0.057	0.80 (0.71, 0.89)	7.73E-05	NA	NA
Allergic asthma	RPTOR	cg08314949	13	Inverse variance weighted	-0.024	0.010	0.98 (0.96, 0.99)	0.013	-0.003	0.731
Allergic asthma	RPTOR	cg12078154	12	Inverse variance weighted	-0.025	0.010	0.98 (0.96, 0.99)	0.012	-0.003	0.736
Allergic asthma	CDH1	cg09406989	11	Inverse variance weighted	-0.093	0.025	0.91 (0.87, 0.96)	2.12E-04	-0.007	0.788

Allergic asthma	ATP6V0A1	cg20082357	1	Wald ratio	-0.242	0.106	0.78 (0.64, 0.97)	0.022	NA	NA
Allergic asthma	RPTOR	cg13098428	1	Wald ratio	-0.091	0.042	0.91 (0.84, 0.99)	0.032	NA	NA
Allergic asthma	PPM1F	cg27653384	2	Inverse variance weighted	0.129	0.062	1.14 (1.01, 1.29)	0.038	NA	NA
Allergic asthma	TRIM5	cg03698359	9	Inverse variance weighted	-0.047	0.019	0.95 (0.92, 0.99)	0.017	0.009	0.489
Allergic asthma	FYN	cg14683699	2	Inverse variance weighted	-0.121	0.057	0.89 (0.79, 0.99)	0.032	NA	NA
Allergic asthma	CARS	cg17004353	8	Inverse variance weighted	0.072	0.020	1.08 (1.03, 1.12)	2.31E-04	0.015	0.199
Allergic asthma	SPTLC2	cg14544289	14	Inverse variance weighted	-0.057	0.020	0.94 (0.91, 0.98)	0.004	0.021	0.211
Allergic asthma	CARS	cg25072766	8	Inverse variance weighted	0.074	0.021	1.08 (1.03, 1.12)	4.77E-04	0.014	0.219
Allergic asthma	MSX1	cg20588069	5	Inverse variance weighted	-0.071	0.027	0.93 (0.88, 0.98)	0.009	0.027	0.245
Allergic asthma	WDR6	cg00383909	8	Inverse variance weighted	-0.039	0.016	0.96 (0.93, 0.99)	0.016	-0.012	0.253
Allergic asthma	CARS	cg01104590	8	Inverse variance weighted	0.072	0.021	1.07 (1.03, 1.12)	5.41E-04	0.011	0.288
Allergic asthma	RUFY4	cg18102446	4	Inverse variance weighted	0.045	0.016	1.05 (1.01, 1.08)	0.006	0.023	0.316
Allergic asthma	SPTLC2	cg18872420	33	Inverse variance weighted	-0.033	0.008	0.97 (0.95, 0.98)	3.16E-05	-0.008	0.369
Allergic asthma	MSX1	cg03335246	6	Inverse variance weighted	-0.058	0.023	0.94 (0.90, 0.99)	0.012	0.015	0.390
Allergic asthma	SLC40A1	cg10752008	8	Inverse variance weighted	0.050	0.019	1.05 (1.01, 1.09)	0.011	0.015	0.426
Allergic asthma	NOD1	cg12999366	5	Inverse variance weighted	-0.061	0.020	0.94 (0.90, 0.98)	0.002	-0.021	0.460
Allergic asthma	BMF	cg09587957	3	Inverse variance weighted	-0.103	0.033	0.90 (0.85, 0.96)	0.002	-0.023	0.474
Allergic asthma	MLKL	cg01046070	13	Inverse variance weighted	0.042	0.016	1.04 (1.01, 1.08)	0.006	-0.007	0.474
Allergic asthma	MLKL	cg10284440	18	Inverse variance weighted	-0.036	0.012	0.96 (0.94, 0.99)	0.004	0.006	0.541
Allergic asthma	SLC30A7	cg01065905	3	Inverse variance weighted	-0.047	0.022	0.95 (0.91, 1.00)	0.036	0.009	0.635
Allergic asthma	FOXK1	cg10888348	4	Inverse variance weighted	0.054	0.025	1.06 (1.01, 1.11)	0.030	-0.022	0.636
Allergic asthma	FOXK2	cg15292356	11	Inverse variance weighted	-0.041	0.015	0.96 (0.93, 0.99)	0.008	-0.006	0.646
Allergic asthma	PHLDA3	cg00962755	3	Inverse variance weighted	-0.112	0.036	0.89 (0.83, 0.96)	0.002	-0.014	0.679
Allergic asthma	CARS	cg14935025	5	Inverse variance weighted	0.090	0.032	1.09 (1.03, 1.17)	0.005	0.008	0.691
Allergic asthma	S100A9	cg06355720	3	Inverse variance weighted	-0.078	0.026	0.93 (0.88, 0.97)	0.003	-0.010	0.717
Allergic asthma	GHITM	cg23027704	8	Inverse variance weighted	0.052	0.022	1.05 (1.01, 1.10)	0.016	-0.004	0.789
Allergic asthma	PIK3CD	cg26573321	9	Inverse variance weighted	-0.040	0.014	0.96 (0.94, 0.99)	0.004	0.003	0.789
Allergic asthma	MLKL	cg02135682	8	Inverse variance weighted	-0.048	0.018	0.95 (0.92, 0.99)	0.009	-0.003	0.806
Allergic asthma	AATF	cg11262262	4	Inverse variance weighted	-0.077	0.029	0.93 (0.87, 0.98)	0.008	0.001	0.942
Allergic asthma	CASP8	cg20608990	12	Inverse variance weighted	0.054	0.018	1.06 (1.02, 1.09)	0.002	0.001	0.963
Allergic asthma	STK24	cg20375836	4	Inverse variance weighted	0.064	0.024	1.07 (1.02, 1.12)	0.008	0.001	0.971
Allergic asthma	CPLX2	cg26303222	2	Inverse variance weighted	0.180	0.063	1.20 (1.06, 1.36)	0.005	NA	NA
Allergic asthma	CAV1	cg17469978	2	Inverse variance weighted	0.253	0.090	1.29 (1.08, 1.54)	0.005	NA	NA
Allergic asthma	TMEM39A	cg12184221	2	Inverse variance weighted	-0.169	0.061	0.84 (0.75, 0.95)	0.006	NA	NA
Allergic asthma	FOXK1	cg14582057	2	Inverse variance weighted	-0.105	0.041	0.90 (0.83, 0.98)	0.011	NA	NA
Allergic asthma	FOXK1	cg26800803	2	Inverse variance weighted	-0.084	0.033	0.92 (0.86, 0.98)	0.011	NA	NA
Allergic asthma	CAV1	cg07838272	2	Inverse variance weighted	0.243	0.097	1.27 (1.05, 1.54)	0.012	NA	NA
Allergic asthma	UNC13D	cg16354117	1	Wald ratio	0.088	0.039	1.09 (1.01, 1.18)	0.026	NA	NA
Allergic asthma	IDUA	cg05327835	1	Wald ratio	0.209	0.095	1.23 (1.02, 1.48)	0.027	NA	NA
Allergic asthma	CALCOCO2	cg04154812	1	Wald ratio	0.210	0.095	1.23 (1.02, 1.49)	0.028	NA	NA
Allergic asthma	PYCARD	cg00327577	1	Wald ratio	-0.206	0.094	0.81 (0.68, 0.98)	0.029	NA	NA
Allergic asthma	TNFRSF25	cg02988775	1	Wald ratio	0.300	0.138	1.35 (1.03, 1.77)	0.029	NA	NA

Allergic asthma	TNFRSF25;PLEKHG5	cg02064442	1	Wald ratio	0.290	0.133	1.34 (1.03, 1.73)	0.029	NA	NA
Allergic asthma	KITLG	cg17399545	1	Wald ratio	-0.203	0.094	0.82 (0.68, 0.98)	0.030	NA	NA
Allergic asthma	ATP6V0A2	cg21179092	1	Wald ratio	-0.132	0.061	0.88 (0.78, 0.99)	0.030	NA	NA
Allergic asthma	UNC5B	cg18389931	1	Wald ratio	0.168	0.078	1.18 (1.02, 1.38)	0.031	NA	NA
Allergic asthma	ING5	cg24048263	1	Wald ratio	0.152	0.071	1.16 (1.01, 1.34)	0.031	NA	NA
Allergic asthma	ITPRIP	cg23387597	1	Wald ratio	-0.160	0.075	0.85 (0.74, 0.99)	0.032	NA	NA
Allergic asthma	RPTOR	cg16896879	1	Wald ratio	-0.113	0.052	0.89 (0.81, 0.99)	0.032	NA	NA
Allergic asthma	RPTOR	cg05548508	1	Wald ratio	0.140	0.065	1.15 (1.01, 1.31)	0.032	NA	NA
Allergic asthma	SH3GLB1	cg11204830	2	Inverse variance weighted	0.116	0.054	1.12 (1.01, 1.25)	0.032	NA	NA
Allergic asthma	RPTOR	cg00463485	1	Wald ratio	-0.114	0.053	0.89 (0.80, 0.99)	0.032	NA	NA
Allergic asthma	RPTOR	cg01476242	1	Wald ratio	-0.138	0.064	0.87 (0.77, 0.99)	0.032	NA	NA
Allergic asthma	RPTOR	cg23463786	1	Wald ratio	-0.199	0.093	0.82 (0.68, 0.98)	0.033	NA	NA
Allergic asthma	POU4F1	cg23440004	1	Wald ratio	-0.207	0.097	0.81 (0.67, 0.98)	0.033	NA	NA
Allergic asthma	PIK3CD	cg16895792	1	Wald ratio	0.162	0.076	1.18 (1.01, 1.36)	0.033	NA	NA
Allergic asthma	C1orf200;PIK3CD	cg16597045	1	Wald ratio	0.176	0.083	1.19 (1.01, 1.40)	0.033	NA	NA
Allergic asthma	PIK3CD	cg22045271	1	Wald ratio	0.197	0.092	1.22 (1.02, 1.46)	0.033	NA	NA
Allergic asthma	ITPRIP	cg04935278	1	Wald ratio	-0.149	0.070	0.86 (0.75, 0.99)	0.033	NA	NA
Allergic asthma	POU4F2	cg19597382	2	Inverse variance weighted	-0.074	0.035	0.93 (0.87, 0.99)	0.034	NA	NA
Allergic asthma	PRKAG2	cg07161146	1	Wald ratio	0.137	0.065	1.15 (1.01, 1.30)	0.034	NA	NA
Allergic asthma	TPD52L1	cg15983584	1	Wald ratio	-0.115	0.054	0.89 (0.80, 0.99)	0.034	NA	NA
Allergic asthma	FYN	cg02755956	1	Wald ratio	0.252	0.119	1.29 (1.02, 1.62)	0.034	NA	NA
Allergic asthma	C1orf200;PIK3CD	cg07793148	1	Wald ratio	0.092	0.044	1.10 (1.01, 1.19)	0.035	NA	NA
Allergic asthma	CD84	cg21454485	1	Wald ratio	-0.193	0.092	0.82 (0.69, 0.99)	0.035	NA	NA
Allergic asthma	BLK	cg19882315	1	Wald ratio	0.167	0.079	1.18 (1.01, 1.38)	0.036	NA	NA
Allergic asthma	POU4F1	cg11806672	1	Wald ratio	-0.149	0.071	0.86 (0.75, 0.99)	0.036	NA	NA
Allergic asthma	TNFRSF25	cg00087884	1	Wald ratio	0.115	0.055	1.12 (1.01, 1.25)	0.036	NA	NA
Allergic asthma	SLC39A1;CRTC2	cg16262392	1	Wald ratio	0.140	0.067	1.15 (1.01, 1.31)	0.037	NA	NA
Allergic asthma	CX3CL1	cg06166915	1	Wald ratio	0.201	0.096	1.22 (1.01, 1.48)	0.037	NA	NA
Allergic asthma	ABCA2	cg14485901	1	Wald ratio	0.142	0.068	1.15 (1.01, 1.32)	0.037	NA	NA
Allergic asthma	MUC1	cg22500132	1	Wald ratio	0.146	0.070	1.16 (1.01, 1.33)	0.037	NA	NA
Allergic asthma	SLC40A1	cg19075346	1	Wald ratio	-0.071	0.034	0.93 (0.87, 1.00)	0.037	NA	NA
Allergic asthma	FOXK1	cg18733230	1	Wald ratio	0.136	0.066	1.15 (1.01, 1.30)	0.038	NA	NA
Allergic asthma	IGF2R	cg16111231	1	Wald ratio	0.122	0.059	1.13 (1.01, 1.27)	0.038	NA	NA
Allergic asthma	SCRT2	cg18592561	1	Wald ratio	0.095	0.046	1.10 (1.01, 1.20)	0.038	NA	NA
Allergic asthma	SORL1	cg17510957	1	Wald ratio	0.119	0.057	1.13 (1.01, 1.26)	0.038	NA	NA
Allergic asthma	STK25	cg13788902	1	Wald ratio	0.099	0.048	1.10 (1.01, 1.21)	0.039	NA	NA
Allergic asthma	STK25	cg19488206	1	Wald ratio	0.103	0.050	1.11 (1.00, 1.22)	0.040	NA	NA
Allergic asthma	GHITM	cg25783892	1	Wald ratio	0.142	0.069	1.15 (1.01, 1.32)	0.040	NA	NA
Allergic asthma	MSX1	cg10266211	1	Wald ratio	-0.146	0.069	0.86 (0.76, 0.99)	0.033	NA	NA
Allergic asthma	MAPK15	cg00910972	3	Inverse variance weighted	0.116	0.049	1.12 (1.02, 1.24)	0.017	-0.040	0.499
Allergic asthma	NAGLU	cg19705541	2	Inverse variance weighted	-0.123	0.060	0.88 (0.79, 0.99)	0.040	NA	NA
Allergic asthma	STXBP2	cg24433207	2	Inverse variance weighted	-0.147	0.057	0.86 (0.77, 0.96)	0.009	NA	NA

Allergic asthma	RFFL	cg13672743	1	Wald ratio	0.216	0.104	1.24 (1.01, 1.52)	0.037	NA	NA
Allergic asthma	SLC39A14	cg15257755	5	Inverse variance weighted	-0.049	0.021	0.95 (0.91, 0.99)	0.019	-0.054	0.328
Allergic asthma	VDAC3	cg17910564	1	Wald ratio	-0.146	0.069	0.86 (0.75, 0.99)	0.035	NA	NA
Allergic asthma	DAP	cg05473987	1	Wald ratio	-0.176	0.086	0.84 (0.71, 0.99)	0.040	NA	NA
Allergic asthma	GATA4	cg23916205	14	Inverse variance weighted	-0.057	0.023	0.94 (0.90, 0.99)	0.013	-0.019	0.199
Allergic asthma	GGCT	cg23780937	1	Wald ratio	-0.184	0.089	0.83 (0.70, 0.99)	0.039	NA	NA
Allergic asthma	TP73	cg13943358	1	Wald ratio	0.068	0.034	1.07 (1.00, 1.14)	0.045	NA	NA
Allergic asthma	GATA4	cg01546563	6	Inverse variance weighted	0.082	0.032	1.09 (1.02, 1.16)	0.011	0.020	0.316
Allergic asthma	NGF	cg07588253	1	Wald ratio	-0.091	0.045	0.91 (0.84, 1.00)	0.041	NA	NA
Allergic asthma	PIP4K2C	cg20416037	2	Inverse variance weighted	-0.109	0.041	0.90 (0.83, 0.97)	0.008	NA	NA
Allergic asthma	ZNF205	cg27419824	1	Wald ratio	0.217	0.103	1.24 (1.01, 1.52)	0.036	NA	NA
Allergic asthma	BLK	cg15742700	1	Wald ratio	-0.150	0.072	0.86 (0.75, 0.99)	0.038	NA	NA
Non-allergic asthma	GSDMB	cg10057218	8	Inverse variance weighted	-0.123	0.026	0.88 (0.84, 0.93)	2.98E-06	0.021	0.272
Non-allergic asthma	ORMDL3	cg10909506	17	Inverse variance weighted	-0.066	0.015	0.94 (0.91, 0.96)	6.12E-06	0.004	0.802
Non-allergic asthma	ORMDL3	cg18711369	14	Inverse variance weighted	-0.071	0.017	0.93 (0.90, 0.96)	2.21E-05	0.000	0.985
Non-allergic asthma	ORMDL3	cg19511844	1	Wald ratio	0.393	0.106	1.48 (1.20, 1.82)	2.11E-04	NA	NA
Non-allergic asthma	HSPA1B	cg21080034	6	Inverse variance weighted	-0.196	0.063	0.82 (0.73, 0.93)	0.002	0.041	0.544
Non-allergic asthma	NEU1;SLC44A4	cg25560247	1	Wald ratio	0.358	0.079	1.43 (1.23, 1.67)	5.71E-06	NA	NA
Non-allergic asthma	CSF2	cg16565692	1	Wald ratio	-0.287	0.074	0.75 (0.65, 0.87)	1.02E-04	NA	NA
Non-allergic asthma	FOXF1	cg03492747	6	Inverse variance weighted	-0.079	0.023	0.92 (0.88, 0.97)	5.14E-04	0.019	0.249
Non-allergic asthma	IRF1	cg15375424	7	Inverse variance weighted	0.161	0.028	1.18 (1.11, 1.24)	5.55E-09	0.023	0.346
Non-allergic asthma	PIP4K2C	cg26459339	10	Inverse variance weighted	0.066	0.015	1.07 (1.04, 1.10)	9.28E-06	0.013	0.364
Non-allergic asthma	PIP4K2C	cg09740308	9	Inverse variance weighted	0.073	0.015	1.08 (1.05, 1.11)	8.45E-07	0.009	0.533
Non-allergic asthma	GSDMB	cg12360886	1	Wald ratio	-0.540	0.121	0.58 (0.46, 0.74)	8.36E-06	NA	NA
Non-allergic asthma	KAT5	cg22114498	7	Inverse variance weighted	-0.073	0.032	0.93 (0.87, 0.99)	0.021	0.039	0.113
Non-allergic asthma	ULK1	cg15260428	18	Inverse variance weighted	-0.055	0.013	0.95 (0.92, 0.97)	3.47E-05	0.005	0.585
Non-allergic asthma	FOXF1	cg06602857	9	Inverse variance weighted	0.082	0.021	1.09 (1.04, 1.13)	9.78E-05	-0.005	0.714
Non-allergic asthma	EYA3	cg27509347	1	Wald ratio	0.327	0.089	1.39 (1.16, 1.65)	2.46E-04	NA	NA
Non-allergic asthma	WNT4	cg10606730	1	Wald ratio	-0.169	0.046	0.84 (0.77, 0.92)	2.74E-04	NA	NA
Non-allergic asthma	FOXF1	cg05555338	1	Wald ratio	0.212	0.060	1.24 (1.10, 1.39)	3.70E-04	NA	NA
Non-allergic asthma	PDLIM1	cg10266121	1	Wald ratio	-0.202	0.057	0.82 (0.73, 0.91)	4.34E-04	NA	NA
Non-allergic asthma	KAT5	cg11327039	4	Inverse variance weighted	-0.143	0.040	0.87 (0.80, 0.94)	3.39E-04	0.047	0.438
Non-allergic asthma	BLK	cg24861686	13	Inverse variance weighted	-0.137	0.029	0.87 (0.82, 0.92)	2.49E-06	0.017	0.531
Non-allergic asthma	IRF1	cg25410123	1	Wald ratio	0.362	0.096	1.44 (1.19, 1.73)	1.63E-04	NA	NA
Non-allergic asthma	GATA4	cg23972785	10	Inverse variance weighted	-0.139	0.027	0.87 (0.83, 0.92)	2.61E-07	0.034	0.421
Non-allergic asthma	E2F1	cg00509772	3	Inverse variance weighted	0.213	0.056	1.24 (1.11, 1.38)	1.50E-04	-0.029	0.787
Non-allergic asthma	MAPK3	cg00192773	1	Wald ratio	0.333	0.096	1.40 (1.16, 1.68)	5.29E-04	NA	NA
Non-allergic asthma	PDLIM1	cg19190632	1	Wald ratio	0.265	0.076	1.30 (1.12, 1.51)	4.57E-04	NA	NA
Non-allergic asthma	GATA2	cg04535236	12	Inverse variance weighted	-0.076	0.018	0.93 (0.89, 0.96)	1.75E-05	0.014	0.295
Non-allergic asthma	COL2A1	cg05342945	3	Inverse variance weighted	0.152	0.063	1.16 (1.03, 1.32)	0.016	-0.056	0.323
Non-allergic asthma	BLK	cg04335815	3	Inverse variance weighted	-0.144	0.051	0.87 (0.78, 0.96)	0.005	0.210	0.372
Non-allergic asthma	FOXF1	cg01695533	1	Wald ratio	0.367	0.103	1.44 (1.18, 1.76)	3.52E-04	NA	NA

Non-allergic asthma	GSDMA	cg08995595	1	Wald ratio	-0.284	0.081	0.75 (0.64, 0.88)	4.18E-04	NA	NA
Non-allergic asthma	GATA4	cg04880278	1	Wald ratio	-0.269	0.077	0.76 (0.66, 0.89)	5.12E-04	NA	NA
Non-allergic asthma	COL2A1	cg17342302	1	Wald ratio	-0.249	0.072	0.78 (0.68, 0.90)	5.23E-04	NA	NA
Non-allergic asthma	PPT2	cg27631107	1	Wald ratio	0.218	0.063	1.24 (1.10, 1.41)	5.60E-04	NA	NA
Non-allergic asthma	FOXF1	cg03366439	1	Wald ratio	0.280	0.082	1.32 (1.13, 1.55)	6.09E-04	NA	NA
Non-allergic asthma	COL2A1	cg19066141	1	Wald ratio	0.175	0.052	1.19 (1.08, 1.32)	8.25E-04	NA	NA
Non-allergic asthma	IRF1	cg15421363	1	Wald ratio	0.229	0.069	1.26 (1.10, 1.44)	9.11E-04	NA	NA
Non-allergic asthma	COL2A1	cg18990042	1	Wald ratio	0.212	0.064	1.24 (1.09, 1.40)	9.12E-04	NA	NA
Non-allergic asthma	LACRT	cg07855572	6	Inverse variance weighted	-0.089	0.028	0.91 (0.87, 0.97)	0.001	-0.025	0.345
Non-allergic asthma	SLC39A12	cg23335976	2	Inverse variance weighted	-0.139	0.058	0.87 (0.78, 0.97)	0.016	NA	NA
Non-allergic asthma	COL2A1	cg08886711	1	Wald ratio	0.274	0.083	1.32 (1.12, 1.55)	9.12E-04	NA	NA
Non-allergic asthma	GSDMA	cg26162295	12	Inverse variance weighted	-0.081	0.015	0.92 (0.89, 0.95)	1.68E-07	-0.020	0.328
Non-allergic asthma	GSDMA	cg24910161	13	Inverse variance weighted	-0.073	0.015	0.93 (0.90, 0.96)	9.91E-07	-0.008	0.585
Non-allergic asthma	GSDMA	cg06589596	8	Inverse variance weighted	0.047	0.022	1.05 (1.00, 1.09)	0.032	0.015	0.307
Non-allergic asthma	IREB2	cg18825076	13	Inverse variance weighted	-0.052	0.013	0.95 (0.93, 0.97)	6.12E-05	-0.003	0.842
Non-allergic asthma	SLC39A12	cg26550234	1	Wald ratio	0.252	0.080	1.29 (1.10, 1.51)	0.002	NA	NA
Non-allergic asthma	COL2A1	cg12235144	1	Wald ratio	-0.231	0.074	0.79 (0.69, 0.92)	0.002	NA	NA
Non-allergic asthma	DEPDC5	cg04112842	1	Wald ratio	0.184	0.060	1.20 (1.07, 1.35)	0.002	NA	NA
Non-allergic asthma	DDX47	cg13523561	1	Wald ratio	0.159	0.052	1.17 (1.06, 1.30)	0.002	NA	NA
Non-allergic asthma	PIK3R2	cg14957748	1	Wald ratio	-0.132	0.044	0.88 (0.80, 0.96)	0.003	NA	NA
Non-allergic asthma	WWOX	cg10855967	7	Inverse variance weighted	-0.108	0.024	0.90 (0.86, 0.94)	6.96E-06	-0.012	0.544
Non-allergic asthma	CLEC16A	cg27227804	2	Inverse variance weighted	-0.182	0.054	0.83 (0.75, 0.93)	7.41E-04	NA	NA
Non-allergic asthma	ALOX5	cg05026102	1	Wald ratio	0.287	0.091	1.33 (1.12, 1.59)	0.002	NA	NA
Non-allergic asthma	ERBB3	cg10869879	2	Inverse variance weighted	-0.153	0.052	0.86 (0.77, 0.95)	0.003	NA	NA
Non-allergic asthma	TNFRSF1A	cg23320693	1	Wald ratio	-0.150	0.052	0.86 (0.78, 0.95)	0.004	NA	NA
Non-allergic asthma	IREB2	cg19941054	1	Wald ratio	0.175	0.060	1.19 (1.06, 1.34)	0.004	NA	NA
Non-allergic asthma	UNC13D	cg23891399	12	Inverse variance weighted	-0.033	0.015	0.97 (0.94, 1.00)	0.026	0.038	0.070
Non-allergic asthma	UNC13D	cg07010633	10	Inverse variance weighted	-0.034	0.016	0.97 (0.94, 1.00)	0.034	0.037	0.082
Non-allergic asthma	UNC13D	cg12407791	11	Inverse variance weighted	-0.031	0.015	0.97 (0.94, 1.00)	0.032	0.030	0.104
Non-allergic asthma	UNC13D	cg02880508	6	Inverse variance weighted	-0.059	0.025	0.94 (0.90, 0.99)	0.018	0.022	0.248
Non-allergic asthma	CSF2	cg16465129	2	Inverse variance weighted	-0.217	0.073	0.81 (0.70, 0.93)	0.003	NA	NA
Non-allergic asthma	PDLIM1	cg25968326	1	Wald ratio	-0.220	0.076	0.80 (0.69, 0.93)	0.004	NA	NA
Non-allergic asthma	PDLIM1	cg18389639	6	Inverse variance weighted	-0.121	0.037	0.89 (0.82, 0.95)	0.001	-0.017	0.631
Non-allergic asthma	EIF2AK2	cg23820429	1	Wald ratio	0.495	0.157	1.64 (1.21, 2.23)	0.002	NA	NA
Non-allergic asthma	GATA4	cg12637676	1	Wald ratio	0.282	0.094	1.33 (1.10, 1.59)	0.003	NA	NA
Non-allergic asthma	ERBB3	cg00907267	1	Wald ratio	-0.257	0.088	0.77 (0.65, 0.92)	0.004	NA	NA
Non-allergic asthma	UNC13D	cg17075258	1	Wald ratio	-0.143	0.051	0.87 (0.78, 0.96)	0.005	NA	NA
Non-allergic asthma	TOMM7	cg03711348	1	Wald ratio	0.359	0.117	1.43 (1.14, 1.80)	0.002	NA	NA
Non-allergic asthma	IREB2	cg13714459	1	Wald ratio	0.154	0.055	1.17 (1.05, 1.30)	0.005	NA	NA
Non-allergic asthma	PDLIM1	cg06542614	1	Wald ratio	-0.133	0.048	0.88 (0.80, 0.96)	0.006	NA	NA
Non-allergic asthma	ZMYND11	cg26100059	1	Wald ratio	-0.200	0.071	0.82 (0.71, 0.94)	0.005	NA	NA
Non-allergic asthma	BLK	cg15742700	1	Wald ratio	-0.250	0.084	0.78 (0.66, 0.92)	0.003	NA	NA

Non-allergic asthma	GPSM1;LOC26102	cg13683534	2	Inverse variance weighted	0.119	0.043	1.13 (1.04, 1.22)	0.005	NA	NA
Non-allergic asthma	SMCR8	cg19346202	3	Inverse variance weighted	-0.133	0.042	0.88 (0.81, 0.95)	0.002	-0.006	0.907
Non-allergic asthma	MSX1	cg25144207	2	Inverse variance weighted	0.139	0.052	1.15 (1.04, 1.27)	0.008	NA	NA
Non-allergic asthma	PIP4K2A	cg03771739	1	Wald ratio	0.331	0.113	1.39 (1.12, 1.74)	0.003	NA	NA
Non-allergic asthma	GLS	cg05607461	1	Wald ratio	-0.264	0.094	0.77 (0.64, 0.92)	0.005	NA	NA
Non-allergic asthma	ERBB3	cg17843101	1	Wald ratio	0.213	0.077	1.24 (1.06, 1.44)	0.006	NA	NA
Non-allergic asthma	SYNPO2	cg12973294	9	Inverse variance weighted	0.094	0.030	1.10 (1.04, 1.17)	0.001	0.017	0.307
Non-allergic asthma	TGFB1	cg20748073	1	Wald ratio	0.178	0.066	1.20 (1.05, 1.36)	0.007	NA	NA
Non-allergic asthma	SYNPO2	cg17200999	1	Wald ratio	0.357	0.121	1.43 (1.13, 1.81)	0.003	NA	NA
Non-allergic asthma	ULK1	cg21649013	3	Inverse variance weighted	-0.140	0.035	0.87 (0.81, 0.93)	7.48E-05	-0.033	0.572
Non-allergic asthma	ACSL1	cg07730946	1	Wald ratio	-0.340	0.119	0.71 (0.56, 0.90)	0.004	NA	NA
Non-allergic asthma	ULK1	cg07746532	1	Wald ratio	0.340	0.118	1.40 (1.12, 1.77)	0.004	NA	NA
Non-allergic asthma	GPSM1	cg13799504	10	Inverse variance weighted	-0.036	0.017	0.96 (0.93, 1.00)	0.031	0.015	0.307
Non-allergic asthma	SYNPO2	cg14717666	16	Inverse variance weighted	0.056	0.016	1.06 (1.03, 1.09)	3.22E-04	0.003	0.755
Non-allergic asthma	PRKAG2	cg07804434	7	Inverse variance weighted	0.043	0.015	1.04 (1.01, 1.08)	0.005	-0.004	0.802
Non-allergic asthma	CHMP6	cg05640423	11	Inverse variance weighted	-0.029	0.014	0.97 (0.95, 1.00)	0.031	-0.003	0.816
Non-allergic asthma	TNFRSF1A	cg11268190	7	Inverse variance weighted	-0.045	0.016	0.96 (0.93, 0.99)	0.006	-0.003	0.848
Non-allergic asthma	TNFRSF1A	cg09043214	3	Inverse variance weighted	-0.069	0.026	0.93 (0.89, 0.98)	0.008	-0.007	0.859
Non-allergic asthma	TNFRSF1A	cg00556515	7	Inverse variance weighted	-0.045	0.016	0.96 (0.93, 0.99)	0.005	-0.002	0.916
Non-allergic asthma	CAPN1	cg25363789	17	Inverse variance weighted	-0.068	0.014	0.93 (0.91, 0.96)	1.58E-06	-0.014	0.196
Non-allergic asthma	GPSM1;LOC26102	cg14164080	2	Inverse variance weighted	0.203	0.062	1.23 (1.08, 1.39)	0.001	NA	NA
Non-allergic asthma	CTTN	cg14191688	1	Wald ratio	0.139	0.054	1.15 (1.03, 1.28)	0.010	NA	NA
Non-allergic asthma	TNFRSF1A	cg23752651	2	Inverse variance weighted	-0.111	0.048	0.90 (0.82, 0.98)	0.021	NA	NA
Non-allergic asthma	CLEC16A	cg04616529	7	Inverse variance weighted	0.079	0.029	1.08 (1.02, 1.15)	0.007	-0.023	0.267
Non-allergic asthma	KIT	cg01819568	1	Wald ratio	0.186	0.069	1.20 (1.05, 1.38)	0.007	NA	NA
Non-allergic asthma	TNFRSF1A	cg08418872	1	Wald ratio	-0.123	0.048	0.88 (0.80, 0.97)	0.011	NA	NA
Non-allergic asthma	PARK7	cg25007680	2	Inverse variance weighted	-0.092	0.038	0.91 (0.85, 0.98)	0.016	NA	NA
Non-allergic asthma	GSDMA	cg10794714	1	Wald ratio	-0.251	0.094	0.78 (0.65, 0.94)	0.008	NA	NA
Non-allergic asthma	GPSM1;LOC26102	cg14479136	1	Wald ratio	-0.298	0.108	0.74 (0.60, 0.92)	0.006	NA	NA
Non-allergic asthma	ITM2C	cg17674726	13	Inverse variance weighted	-0.027	0.012	0.97 (0.95, 1.00)	0.026	0.019	0.128
Non-allergic asthma	LGMN	cg23168000	8	Inverse variance weighted	-0.074	0.024	0.93 (0.89, 0.97)	0.002	-0.018	0.322
Non-allergic asthma	FBXO31;MAP1LC3B	cg06750038	12	Inverse variance weighted	-0.042	0.020	0.96 (0.92, 1.00)	0.032	0.015	0.371
Non-allergic asthma	PYCARD	cg07461837	4	Inverse variance weighted	0.053	0.026	1.05 (1.00, 1.11)	0.044	-0.024	0.406
Non-allergic asthma	DEF8	cg12064134	21	Inverse variance weighted	0.054	0.015	1.06 (1.02, 1.09)	3.64E-04	0.010	0.416
Non-allergic asthma	RB1	cg24342013	8	Inverse variance weighted	0.059	0.020	1.06 (1.02, 1.10)	0.004	-0.017	0.451
Non-allergic asthma	PPM1F	cg25898577	3	Inverse variance weighted	-0.121	0.039	0.89 (0.82, 0.96)	0.002	0.054	0.458
Non-allergic asthma	ACSL1	cg07942479	4	Inverse variance weighted	-0.070	0.032	0.93 (0.88, 0.99)	0.027	0.023	0.475
Non-allergic asthma	CLTCL1	cg25970491	3	Inverse variance weighted	0.086	0.035	1.09 (1.02, 1.17)	0.015	-0.016	0.613
Non-allergic asthma	RB1	cg11408952	8	Inverse variance weighted	0.056	0.022	1.06 (1.01, 1.10)	0.010	-0.009	0.628
Non-allergic asthma	DEF8	cg05185784	26	Inverse variance weighted	0.044	0.013	1.04 (1.02, 1.07)	8.18E-04	-0.005	0.629
Non-allergic asthma	DEF8	cg04752812	4	Inverse variance weighted	-0.124	0.044	0.88 (0.81, 0.96)	0.005	0.010	0.660
Non-allergic asthma	P2RX7	cg00364287	5	Inverse variance weighted	-0.063	0.025	0.94 (0.89, 0.99)	0.013	0.007	0.671

Non-allergic asthma	DEF8	cg16504670	5	Inverse variance weighted	-0.178	0.041	0.84 (0.77, 0.91)	1.84E-05	-0.010	0.734
Non-allergic asthma	YWHAE	cg23643343	5	Inverse variance weighted	-0.112	0.049	0.89 (0.81, 0.98)	0.022	-0.015	0.792
Non-allergic asthma	VPS26B	cg00517080	4	Inverse variance weighted	-0.108	0.036	0.90 (0.84, 0.96)	0.003	0.012	0.814
Non-allergic asthma	VAMP8	cg23752985	18	Inverse variance weighted	-0.052	0.014	0.95 (0.92, 0.98)	2.43E-04	-0.002	0.820
Non-allergic asthma	MSX1	cg17814781	4	Inverse variance weighted	-0.108	0.041	0.90 (0.83, 0.97)	0.008	0.008	0.827
Non-allergic asthma	P2RX7	cg07203561	6	Inverse variance weighted	-0.058	0.027	0.94 (0.90, 0.99)	0.029	0.003	0.841
Non-allergic asthma	DEF8	cg03721293	6	Inverse variance weighted	-0.110	0.031	0.90 (0.84, 0.95)	4.51E-04	-0.003	0.842
Non-allergic asthma	TIRAP	cg07194166	8	Inverse variance weighted	0.056	0.020	1.06 (1.02, 1.10)	0.006	-0.002	0.872
Non-allergic asthma	RB1	cg27182551	5	Inverse variance weighted	0.071	0.028	1.07 (1.02, 1.13)	0.011	-0.002	0.934
Non-allergic asthma	DEF8	cg25193494	22	Inverse variance weighted	0.040	0.016	1.04 (1.01, 1.07)	0.015	-0.001	0.958
Non-allergic asthma	CAPN1	cg09620688	2	Inverse variance weighted	-0.177	0.051	0.84 (0.76, 0.93)	5.29E-04	NA	NA
Non-allergic asthma	PPM1F	cg27653384	2	Inverse variance weighted	0.237	0.072	1.27 (1.10, 1.46)	9.96E-04	NA	NA
Non-allergic asthma	DDRGK1	cg27583383	2	Inverse variance weighted	0.168	0.061	1.18 (1.05, 1.33)	0.006	NA	NA
Non-allergic asthma	TOP3A;SMCR8	cg23045404	1	Wald ratio	0.318	0.117	1.37 (1.09, 1.73)	0.006	NA	NA
Non-allergic asthma	TNF	cg11484872	1	Wald ratio	0.327	0.121	1.39 (1.09, 1.76)	0.007	NA	NA
Non-allergic asthma	PIK3R2	cg05645812	1	Wald ratio	-0.286	0.108	0.75 (0.61, 0.93)	0.008	NA	NA
Non-allergic asthma	PRKAG2	cg26482626	1	Wald ratio	0.281	0.107	1.32 (1.07, 1.63)	0.009	NA	NA
Non-allergic asthma	ENTPD4	cg04177885	1	Wald ratio	-0.198	0.076	0.82 (0.71, 0.95)	0.009	NA	NA
Non-allergic asthma	CTTN	cg25587405	1	Wald ratio	0.306	0.118	1.36 (1.08, 1.71)	0.009	NA	NA
Non-allergic asthma	STAT1	cg18766080	1	Wald ratio	-0.308	0.118	0.74 (0.58, 0.93)	0.009	NA	NA
Non-allergic asthma	HIPK2	cg03202545	1	Wald ratio	0.237	0.092	1.27 (1.06, 1.52)	0.010	NA	NA
Non-allergic asthma	CTTN	cg16061668	1	Wald ratio	0.193	0.075	1.21 (1.05, 1.40)	0.010	NA	NA
Non-allergic asthma	CTTN	cg22720428	1	Wald ratio	0.306	0.120	1.36 (1.07, 1.72)	0.011	NA	NA
Non-allergic asthma	CHMP6	cg20903433	1	Wald ratio	-0.186	0.073	0.83 (0.72, 0.96)	0.011	NA	NA
Non-allergic asthma	CTTN	cg02011981	1	Wald ratio	0.299	0.118	1.35 (1.07, 1.70)	0.011	NA	NA
Non-allergic asthma	CTTN	cg07005180	1	Wald ratio	0.264	0.104	1.30 (1.06, 1.60)	0.011	NA	NA
Non-allergic asthma	CLTCL1	cg01861096	2	Inverse variance weighted	0.149	0.059	1.16 (1.03, 1.30)	0.011	NA	NA
Non-allergic asthma	JAK1	cg10873475	1	Wald ratio	0.238	0.094	1.27 (1.05, 1.53)	0.012	NA	NA
Non-allergic asthma	PLA2G3	cg25937577	1	Wald ratio	0.257	0.102	1.29 (1.06, 1.58)	0.012	NA	NA
Non-allergic asthma	PLA2G3	cg05815196	1	Wald ratio	0.322	0.128	1.38 (1.07, 1.77)	0.012	NA	NA
Non-allergic asthma	PLA2G3	cg08457421	1	Wald ratio	0.360	0.143	1.43 (1.08, 1.90)	0.012	NA	NA
Non-allergic asthma	PDK2	cg01717201	1	Wald ratio	-0.230	0.091	0.79 (0.66, 0.95)	0.012	NA	NA
Non-allergic asthma	CTTN	cg15465439	2	Inverse variance weighted	0.097	0.039	1.10 (1.02, 1.19)	0.012	NA	NA
Non-allergic asthma	ATP6V1C2	cg18436444	1	Wald ratio	0.214	0.085	1.24 (1.05, 1.46)	0.012	NA	NA
Non-allergic asthma	PTGDR	cg02191312	1	Wald ratio	0.295	0.118	1.34 (1.06, 1.69)	0.013	NA	NA
Non-allergic asthma	PPT2	cg14237933	1	Wald ratio	0.183	0.074	1.20 (1.04, 1.39)	0.014	NA	NA
Non-allergic asthma	PPT2;PRRT1	cg19048176	1	Wald ratio	-0.211	0.085	0.81 (0.69, 0.96)	0.014	NA	NA
Non-allergic asthma	CTTN	cg27326318	1	Wald ratio	0.186	0.076	1.20 (1.04, 1.40)	0.014	NA	NA
Non-allergic asthma	PTPN2	cg15873449	1	Wald ratio	-0.147	0.060	0.86 (0.77, 0.97)	0.015	NA	NA
Non-allergic asthma	NLRC4	cg22713339	1	Wald ratio	-0.084	0.035	0.92 (0.86, 0.98)	0.015	NA	NA
Non-allergic asthma	AP3B2	cg09472203	1	Wald ratio	0.194	0.082	1.21 (1.03, 1.42)	0.018	NA	NA
Non-allergic asthma	ERBB3	cg23731805	1	Wald ratio	-0.123	0.052	0.88 (0.80, 0.98)	0.018	NA	NA

Non-allergic asthma	TIRAP	cg15932284	1	Wald ratio	-0.152	0.065	0.86 (0.76, 0.98)	0.021	NA	NA
Non-allergic asthma	SNCA	cg01035160	1	Wald ratio	0.268	0.108	1.31 (1.06, 1.61)	0.013	NA	NA
Non-allergic asthma	YAP1	cg20782778	9	Inverse variance weighted	0.072	0.024	1.07 (1.03, 1.13)	0.003	-0.007	0.624
Non-allergic asthma	LGMN	cg22840852	6	Inverse variance weighted	-0.094	0.030	0.91 (0.86, 0.97)	0.002	0.013	0.575
Non-allergic asthma	P2RX7	cg07602200	1	Wald ratio	-0.105	0.044	0.90 (0.83, 0.98)	0.018	NA	NA
Non-allergic asthma	HIP1	cg13702357	1	Wald ratio	0.230	0.095	1.26 (1.04, 1.52)	0.016	NA	NA
Non-allergic asthma	ITM2C	cg02806733	4	Inverse variance weighted	-0.096	0.033	0.91 (0.85, 0.97)	0.003	0.053	0.619
Non-allergic asthma	SNCA	cg02192967	1	Wald ratio	0.213	0.089	1.24 (1.04, 1.47)	0.017	NA	NA
Non-allergic asthma	ATP10B	cg20963030	10	Inverse variance weighted	-0.077	0.030	0.93 (0.87, 0.98)	0.011	-0.016	0.395
Non-allergic asthma	NEU1	cg13634177	1	Wald ratio	-0.356	0.144	0.70 (0.53, 0.93)	0.013	NA	NA
Non-allergic asthma	CAPN1	cg05033401	1	Wald ratio	-0.254	0.105	0.78 (0.63, 0.95)	0.015	NA	NA
Non-allergic asthma	CASP4	cg17552759	1	Wald ratio	0.516	0.211	1.68 (1.11, 2.53)	0.014	NA	NA
Non-allergic asthma	NACC2	cg18768887	1	Wald ratio	0.188	0.079	1.21 (1.03, 1.41)	0.017	NA	NA
Non-allergic asthma	CLU	cg03735511	1	Wald ratio	-0.142	0.061	0.87 (0.77, 0.98)	0.020	NA	NA
Non-allergic asthma	BID	cg09896131	5	Inverse variance weighted	-0.104	0.050	0.90 (0.82, 0.99)	0.038	0.032	0.257
Non-allergic asthma	CAPZB	cg07573717	6	Inverse variance weighted	0.088	0.021	1.09 (1.05, 1.14)	3.06E-05	0.012	0.367
Non-allergic asthma	GLS	cg21497043	1	Wald ratio	-0.144	0.063	0.87 (0.77, 0.98)	0.021	NA	NA
Non-allergic asthma	IRF2	cg12453504	1	Wald ratio	-0.220	0.093	0.80 (0.67, 0.96)	0.018	NA	NA
Non-allergic asthma	PIK3C3	cg00521887	2	Inverse variance weighted	-0.081	0.038	0.92 (0.86, 0.99)	0.036	NA	NA
Non-allergic asthma	CAPZB	cg11335264	7	Inverse variance weighted	0.088	0.023	1.09 (1.04, 1.14)	1.34E-04	-0.006	0.637
Non-allergic asthma	NACC2	cg22747092	1	Wald ratio	0.212	0.089	1.24 (1.04, 1.47)	0.018	NA	NA
Non-allergic asthma	IL6R	cg20688791	1	Wald ratio	0.195	0.084	1.22 (1.03, 1.43)	0.020	NA	NA
Non-allergic asthma	PTPN2	cg13431464	1	Wald ratio	0.274	0.116	1.32 (1.05, 1.65)	0.018	NA	NA
Non-allergic asthma	AP1G1	cg10085824	9	Inverse variance weighted	-0.058	0.028	0.94 (0.89, 1.00)	0.041	0.004	0.856
Non-allergic asthma	DEF8	cg04591799	4	Inverse variance weighted	0.128	0.040	1.14 (1.05, 1.23)	0.001	0.000	0.987
Non-allergic asthma	ATP10B	cg01779806	1	Wald ratio	-0.310	0.129	0.73 (0.57, 0.94)	0.016	NA	NA
Non-allergic asthma	CX3CL1	cg06166915	1	Wald ratio	-0.258	0.111	0.77 (0.62, 0.96)	0.021	NA	NA
Non-allergic asthma	PIK3C3	cg12548782	1	Wald ratio	0.121	0.053	1.13 (1.02, 1.25)	0.024	NA	NA
Non-allergic asthma	FIS1	cg03239279	1	Wald ratio	0.096	0.042	1.10 (1.01, 1.19)	0.023	NA	NA
Non-allergic asthma	ITGAM	cg15817542	4	Inverse variance weighted	0.055	0.020	1.06 (1.02, 1.10)	0.006	-0.010	0.661
Non-allergic asthma	ATP6V1C2	cg08803791	3	Inverse variance weighted	0.112	0.041	1.12 (1.03, 1.21)	0.006	0.007	0.844
Non-allergic asthma	CASP2	cg26596719	2	Inverse variance weighted	-0.055	0.023	0.95 (0.91, 0.99)	0.016	NA	NA
Non-allergic asthma	TP73	cg11504517	3	Inverse variance weighted	-0.079	0.032	0.92 (0.87, 0.98)	0.014	0.010	0.802
Non-allergic asthma	TICAM1	cg26648758	2	Inverse variance weighted	-0.120	0.049	0.89 (0.81, 0.98)	0.014	NA	NA
Non-allergic asthma	IL4R	cg01165142	1	Wald ratio	0.296	0.124	1.34 (1.05, 1.72)	0.017	NA	NA
Non-allergic asthma	MKNK2	cg11881835	6	Inverse variance weighted	-0.065	0.030	0.94 (0.88, 0.99)	0.028	0.007	0.674
Non-allergic asthma	NEDD4	cg05129572	10	Inverse variance weighted	0.042	0.013	1.04 (1.02, 1.07)	9.92E-04	-0.008	0.482
Non-allergic asthma	SCOC	cg03963654	2	Inverse variance weighted	-0.120	0.046	0.89 (0.81, 0.97)	0.010	NA	NA
Non-allergic asthma	IL10RA	cg10145584	1	Wald ratio	0.278	0.118	1.32 (1.05, 1.67)	0.019	NA	NA
Non-allergic asthma	SCOC	cg24810741	1	Wald ratio	0.326	0.139	1.39 (1.05, 1.82)	0.019	NA	NA
Non-allergic asthma	GCSH	cg07768763	1	Wald ratio	-0.167	0.073	0.85 (0.73, 0.98)	0.022	NA	NA
Non-allergic asthma	PDK2	cg15067870	1	Wald ratio	0.162	0.072	1.18 (1.02, 1.36)	0.025	NA	NA

Non-allergic asthma	CAPZB	cg10970798	1	Wald ratio	-0.117	0.053	0.89 (0.80, 0.99)	0.027	NA	NA
Non-allergic asthma	HIPK2	cg00363312	3	Inverse variance weighted	-0.076	0.038	0.93 (0.86, 1.00)	0.046	0.044	0.487
Non-allergic asthma	FGFR1	cg11547613	1	Wald ratio	0.281	0.119	1.32 (1.05, 1.67)	0.018	NA	NA
Non-allergic asthma	TMEM150A	cg20254422	1	Wald ratio	0.289	0.123	1.34 (1.05, 1.70)	0.019	NA	NA
Non-allergic asthma	RB1	cg13431205	1	Wald ratio	0.261	0.112	1.30 (1.04, 1.61)	0.019	NA	NA
Non-allergic asthma	SCOC	cg06968674	2	Inverse variance weighted	-0.167	0.063	0.85 (0.75, 0.96)	0.008	NA	NA
Non-allergic asthma	FOXK2	cg20173014	1	Wald ratio	-0.134	0.061	0.87 (0.78, 0.99)	0.027	NA	NA
Non-allergic asthma	PPM1F	cg01188914	1	Wald ratio	-0.085	0.039	0.92 (0.85, 0.99)	0.029	NA	NA
Non-allergic asthma	PEBP1	cg00091483	1	Wald ratio	0.285	0.123	1.33 (1.04, 1.69)	0.021	NA	NA
Non-allergic asthma	MTMR9	cg06240162	1	Wald ratio	0.237	0.104	1.27 (1.03, 1.55)	0.023	NA	NA
Non-allergic asthma	LGMN	cg02628202	7	Inverse variance weighted	-0.090	0.028	0.91 (0.87, 0.96)	0.001	-0.020	0.435
Non-allergic asthma	ZSWIM2	cg19535896	9	Inverse variance weighted	0.056	0.026	1.06 (1.01, 1.11)	0.031	-0.010	0.514
Non-allergic asthma	TRIM27	cg23756442	3	Inverse variance weighted	-0.181	0.051	0.83 (0.76, 0.92)	3.40E-04	-0.033	0.516
Non-allergic asthma	WWOX	cg09466698	14	Inverse variance weighted	-0.082	0.022	0.92 (0.88, 0.96)	2.23E-04	-0.008	0.581
Non-allergic asthma	TRIM27	cg11073024	15	Inverse variance weighted	0.048	0.016	1.05 (1.02, 1.08)	0.002	0.009	0.595
Non-allergic asthma	ITPR1	cg11584376	5	Inverse variance weighted	0.075	0.027	1.08 (1.02, 1.14)	0.006	0.006	0.818
Non-allergic asthma	CTTN	cg17631184	1	Wald ratio	-0.260	0.114	0.77 (0.62, 0.97)	0.023	NA	NA
Non-allergic asthma	MAP1LC3B;FBXO31	cg23636419	1	Wald ratio	-0.254	0.113	0.78 (0.62, 0.97)	0.024	NA	NA
Non-allergic asthma	PIP4K2A	cg09062038	1	Wald ratio	0.196	0.089	1.22 (1.02, 1.45)	0.027	NA	NA
Non-allergic asthma	NBN	cg00797142	1	Wald ratio	-0.132	0.061	0.88 (0.78, 0.99)	0.030	NA	NA
Non-allergic asthma	FNIP2	cg05615763	1	Wald ratio	0.123	0.057	1.13 (1.01, 1.26)	0.031	NA	NA
Non-allergic asthma	RET	cg02780029	29	Inverse variance weighted	0.025	0.010	1.03 (1.00, 1.05)	0.016	-0.009	0.310
Non-allergic asthma	PTGIS	cg08440266	3	Inverse variance weighted	-0.094	0.043	0.91 (0.84, 0.99)	0.028	-0.021	0.614
Non-allergic asthma	PTGIS	cg07612655	3	Inverse variance weighted	-0.075	0.035	0.93 (0.87, 0.99)	0.033	0.000	0.997
Non-allergic asthma	NEU1;SLC44A4	cg00397479	2	Inverse variance weighted	-0.240	0.073	0.79 (0.68, 0.91)	9.91E-04	NA	NA
Non-allergic asthma	PTGIS	cg08788055	2	Inverse variance weighted	-0.106	0.043	0.90 (0.83, 0.98)	0.014	NA	NA
Non-allergic asthma	PTGIS	cg14630601	2	Inverse variance weighted	-0.100	0.041	0.90 (0.84, 0.98)	0.014	NA	NA
Non-allergic asthma	CLTA	cg13630493	2	Inverse variance weighted	-0.143	0.063	0.87 (0.77, 0.98)	0.023	NA	NA
Non-allergic asthma	KDM1A	cg22683154	1	Wald ratio	-0.270	0.119	0.76 (0.60, 0.96)	0.024	NA	NA
Non-allergic asthma	THBS1	cg10548034	1	Wald ratio	-0.258	0.116	0.77 (0.61, 0.97)	0.027	NA	NA
Non-allergic asthma	PPM1F	cg25172145	1	Wald ratio	-0.181	0.083	0.83 (0.71, 0.98)	0.029	NA	NA
Non-allergic asthma	CLEC16A	cg01144592	1	Wald ratio	0.170	0.078	1.18 (1.02, 1.38)	0.030	NA	NA
Non-allergic asthma	LGMN	cg02139485	1	Wald ratio	-0.105	0.050	0.90 (0.82, 0.99)	0.034	NA	NA
Non-allergic asthma	PPM1F	cg16520652	1	Wald ratio	0.217	0.100	1.24 (1.02, 1.51)	0.029	NA	NA
Non-allergic asthma	ZSWIM2	cg05907046	1	Wald ratio	0.151	0.071	1.16 (1.01, 1.34)	0.033	NA	NA
Non-allergic asthma	TRIM27	cg22900372	11	Inverse variance weighted	-0.066	0.031	0.94 (0.88, 0.99)	0.033	-0.034	0.126
Non-allergic asthma	TRIM27	cg09292581	1	Wald ratio	-0.279	0.125	0.76 (0.59, 0.97)	0.025	NA	NA
Non-allergic asthma	IL6R	cg17001401	1	Wald ratio	-0.117	0.055	0.89 (0.80, 0.99)	0.033	NA	NA
Non-allergic asthma	FOXK1	cg05764847	1	Wald ratio	-0.102	0.049	0.90 (0.82, 0.99)	0.037	NA	NA
Non-allergic asthma	FOXK1	cg19336198	1	Wald ratio	0.174	0.080	1.19 (1.02, 1.39)	0.030	NA	NA
Non-allergic asthma	MAPK8IP2	cg27528247	1	Wald ratio	0.168	0.079	1.18 (1.01, 1.38)	0.033	NA	NA
Non-allergic asthma	RPTOR	cg03890538	3	Inverse variance weighted	-0.107	0.045	0.90 (0.82, 0.98)	0.018	0.008	0.857

Non-allergic asthma	NACC2	cg14147151	1	Wald ratio	-0.104	0.049	0.90 (0.82, 0.99)	0.035	NA	NA
Non-allergic asthma	TNFRSF1A	cg14009561	5	Inverse variance weighted	-0.072	0.023	0.93 (0.89, 0.97)	0.002	-0.008	0.661
Non-allergic asthma	RPTOR	cg02671711	1	Wald ratio	-0.137	0.065	0.87 (0.77, 0.99)	0.036	NA	NA
Non-allergic asthma	PF4	cg01447579	8	Inverse variance weighted	-0.070	0.035	0.93 (0.87, 1.00)	0.045	0.021	0.258
Non-allergic asthma	WWOX	cg06252160	1	Wald ratio	0.272	0.124	1.31 (1.03, 1.68)	0.028	NA	NA
Non-allergic asthma	IFI27	cg14352715	1	Wald ratio	-0.171	0.078	0.84 (0.72, 0.98)	0.029	NA	NA
Non-allergic asthma	SNORD71;AP1G1	cg05708656	1	Wald ratio	0.252	0.115	1.29 (1.03, 1.61)	0.029	NA	NA
Non-allergic asthma	ZSWIM2	cg14762973	1	Wald ratio	0.224	0.105	1.25 (1.02, 1.54)	0.033	NA	NA
Non-allergic asthma	ZSWIM2	cg13135031	1	Wald ratio	0.201	0.095	1.22 (1.02, 1.47)	0.034	NA	NA
Non-allergic asthma	CLEC16A	cg10390979	1	Wald ratio	0.140	0.067	1.15 (1.01, 1.31)	0.037	NA	NA
Non-allergic asthma	SCOC	cg03033182	1	Wald ratio	0.487	0.222	1.63 (1.05, 2.51)	0.028	NA	NA
Non-allergic asthma	FYN	cg08061598	1	Wald ratio	-0.608	0.280	0.54 (0.31, 0.94)	0.030	NA	NA
Non-allergic asthma	PYCARD	cg00327577	1	Wald ratio	-0.238	0.110	0.79 (0.64, 0.98)	0.030	NA	NA
Non-allergic asthma	FYN	cg09410830	1	Wald ratio	-0.143	0.066	0.87 (0.76, 0.99)	0.031	NA	NA
Non-allergic asthma	PPM1F	cg26285749	1	Wald ratio	-0.206	0.097	0.81 (0.67, 0.98)	0.034	NA	NA
Non-allergic asthma	SNX16	cg02079420	9	Inverse variance weighted	-0.037	0.018	0.96 (0.93, 1.00)	0.038	0.006	0.779
Non-allergic asthma	ZSWIM2	cg18950539	1	Wald ratio	0.237	0.112	1.27 (1.02, 1.58)	0.034	NA	NA
Non-allergic asthma	MAP6	cg04548956	1	Wald ratio	0.151	0.073	1.16 (1.01, 1.34)	0.038	NA	NA
Non-allergic asthma	LGMN	cg22803549	1	Wald ratio	-0.166	0.078	0.85 (0.73, 0.99)	0.034	NA	NA
Non-allergic asthma	PTGIS	cg19577548	1	Wald ratio	-0.213	0.101	0.81 (0.66, 0.99)	0.035	NA	NA
Non-allergic asthma	UNC13D	cg16354117	1	Wald ratio	0.101	0.046	1.11 (1.01, 1.21)	0.028	NA	NA
Non-allergic asthma	PARK7	cg24342270	11	Inverse variance weighted	-0.059	0.023	0.94 (0.90, 0.99)	0.010	0.023	0.175
Non-allergic asthma	SNX16	cg07697082	5	Inverse variance weighted	-0.051	0.026	0.95 (0.90, 1.00)	0.049	0.025	0.554
Non-allergic asthma	ITGAM	cg05625471	4	Inverse variance weighted	0.094	0.035	1.10 (1.03, 1.17)	0.007	-0.009	0.714
Non-allergic asthma	FADS2	cg14911132	6	Inverse variance weighted	0.088	0.032	1.09 (1.03, 1.16)	0.006	-0.004	0.858
Non-allergic asthma	RTKN2	cg09941381	6	Inverse variance weighted	0.065	0.026	1.07 (1.01, 1.12)	0.014	0.001	0.977
Non-allergic asthma	ITGAM	cg02256631	2	Inverse variance weighted	0.080	0.032	1.08 (1.02, 1.15)	0.014	NA	NA
Non-allergic asthma	CAPZB	cg12424867	1	Wald ratio	-0.250	0.118	0.78 (0.62, 0.98)	0.034	NA	NA
Non-allergic asthma	DRAM1	cg10143723	2	Inverse variance weighted	0.097	0.046	1.10 (1.01, 1.21)	0.035	NA	NA
Non-allergic asthma	PTGIS	cg06357305	1	Wald ratio	-0.250	0.119	0.78 (0.62, 0.98)	0.035	NA	NA
Non-allergic asthma	STX4	cg06233904	1	Wald ratio	-0.132	0.063	0.88 (0.77, 0.99)	0.035	NA	NA
Non-allergic asthma	ZSWIM2	cg16516691	1	Wald ratio	0.222	0.107	1.25 (1.01, 1.54)	0.039	NA	NA
Non-allergic asthma	LGMN	cg26329144	1	Wald ratio	0.135	0.066	1.14 (1.01, 1.30)	0.039	NA	NA
Non-allergic asthma	LGMN	cg14521318	1	Wald ratio	-0.146	0.071	0.86 (0.75, 0.99)	0.039	NA	NA
Non-allergic asthma	HEXB	cg26333638	1	Wald ratio	0.212	0.103	1.24 (1.01, 1.51)	0.039	NA	NA
Non-allergic asthma	PIH1D1	cg26964117	1	Wald ratio	0.133	0.065	1.14 (1.01, 1.30)	0.041	NA	NA
Non-allergic asthma	MMP9	cg23353432	1	Wald ratio	0.125	0.062	1.13 (1.00, 1.28)	0.043	NA	NA
Non-allergic asthma	NOS3	cg19475224	1	Wald ratio	-0.063	0.031	0.94 (0.88, 1.00)	0.044	NA	NA
Non-allergic asthma	DCC	cg25602457	1	Wald ratio	-0.100	0.050	0.90 (0.82, 1.00)	0.045	NA	NA
Non-allergic asthma	NACC2	cg14175330	1	Wald ratio	-0.184	0.087	0.83 (0.70, 0.99)	0.035	NA	NA
Non-allergic asthma	LAPTM4A	cg11245806	7	Inverse variance weighted	-0.061	0.025	0.94 (0.90, 0.99)	0.015	0.018	0.371
Non-allergic asthma	TMEM109	cg14132103	1	Wald ratio	0.164	0.081	1.18 (1.01, 1.38)	0.043	NA	NA

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SNP, single nucleotide polymorphsim; OR odds ratio; CI, confidence interval

Table S6. Genetic instruments for sensitivity analysis of PCD-related gene methylation in relation to asthma

Outcome	Gene	probeID	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
Overall asthma	AATF	cg02282317	rs62072263	A	G	0.257	0.023	0.486	3.58E-29	-0.003	0.010	0.730	0.033	125.629	TRUE	1.96E-28
Overall asthma	AATF	cg02282317	rs9893681	A	T	-0.312	0.052	0.088	1.79E-09	-0.029	0.016	0.077	0.010	36.172	TRUE	6.50E-09
Overall asthma	AATF	cg03252536	rs57032547	A	G	0.700	0.105	0.020	2.30E-11	0.011	0.035	0.740	0.012	44.676	TRUE	3.86E-11
Overall asthma	AATF	cg06385152	rs9905721	G	A	-0.680	0.095	0.026	9.08E-13	0.019	0.034	0.580	0.014	51.006	TRUE	1.94E-12
Overall asthma	AATF	cg10760240	rs11658121	G	A	0.276	0.035	0.396	2.25E-15	0.007	0.010	0.460	0.017	62.797	TRUE	6.48E-15
Overall asthma	AATF	cg10760240	rs1266175	G	A	0.229	0.024	0.379	1.69E-21	0.008	0.010	0.400	0.024	90.635	TRUE	8.26E-21
Overall asthma	AATF	cg10760240	rs142385159	C	T	-1.099	0.074	0.027	8.98E-50	0.001	0.029	0.960	0.056	219.896	TRUE	2.35E-48
Overall asthma	AATF	cg10760240	rs150059290	A	G	-0.417	0.048	0.124	6.14E-18	0.013	0.014	0.370	0.020	74.436	TRUE	2.46E-17
Overall asthma	AATF	cg10760240	rs150505510	C	G	-0.800	0.101	0.014	2.05E-15	0.002	0.038	0.960	0.017	62.983	TRUE	3.48E-15
Overall asthma	AATF	cg10760240	rs1634332	G	A	0.256	0.025	0.286	3.18E-24	-0.005	0.011	0.640	0.027	103.049	TRUE	1.31E-23
Overall asthma	AATF	cg10760240	rs17622603	C	T	-0.498	0.047	0.062	2.65E-26	-0.028	0.018	0.120	0.030	112.531	TRUE	3.90E-25
Overall asthma	AATF	cg10760240	rs3110647	A	G	-0.203	0.032	0.427	2.91E-10	0.000	0.010	0.980	0.011	39.711	TRUE	3.89E-10
Overall asthma	AATF	cg10760240	rs72826148	T	A	-1.563	0.034	0.130	<1E-200	0.007	0.015	0.650	0.361	2085.833	TRUE	<1E-200
Overall asthma	AATF	cg10760240	rs72828293	T	C	-1.004	0.141	0.015	1.11E-12	-0.076	0.035	0.032	0.013	50.616	TRUE	7.00E-12
Overall asthma	AATF	cg10760240	rs9747659	A	G	0.303	0.031	0.463	2.82E-22	0.025	0.010	0.010	0.025	94.174	TRUE	6.79E-21
Overall asthma	AATF	cg11262262	rs62072264	C	T	-0.141	0.023	0.482	1.61E-09	-0.001	0.010	0.960	0.010	36.373	TRUE	2.13E-09
Overall asthma	AATF	cg11262262	rs6607358	G	A	0.495	0.065	0.032	2.75E-14	0.005	0.027	0.860	0.015	57.875	TRUE	4.88E-14
Overall asthma	AATF	cg11262262	rs7216758	G	T	0.757	0.063	0.064	1.76E-33	-0.051	0.019	0.006	0.038	145.315	TRUE	1.94E-31
Overall asthma	AATF	cg11262262	rs80173298	C	T	0.713	0.102	0.014	2.75E-12	-0.006	0.041	0.890	0.013	48.836	TRUE	4.32E-12
Overall asthma	AATF	cg12996119	rs12453407	G	A	-0.199	0.023	0.470	7.92E-18	0.012	0.010	0.210	0.020	73.934	TRUE	4.13E-17
Overall asthma	AATF	cg12996119	rs12936981	A	G	-0.421	0.068	0.052	6.48E-10	-0.061	0.021	0.003	0.010	38.151	TRUE	4.64E-09
Overall asthma	AATF	cg12996119	rs142385159	C	T	0.430	0.075	0.027	1.01E-08	0.001	0.029	0.960	0.009	32.802	TRUE	1.29E-08
Overall asthma	AATF	cg12996119	rs17138899	C	A	-0.240	0.042	0.080	1.17E-08	-0.017	0.018	0.340	0.009	32.514	TRUE	2.45E-08
Overall asthma	AATF	cg12996119	rs62072263	A	G	0.474	0.023	0.486	1.56E-96	-0.003	0.010	0.730	0.105	434.444	TRUE	7.61E-92
Overall asthma	AATF	cg12996119	rs8076831	A	C	-0.184	0.032	0.438	8.80E-09	-0.023	0.010	0.019	0.009	33.073	TRUE	4.10E-08
Overall asthma	AATF	cg12996119	rs9893060	A	G	-0.413	0.053	0.050	7.80E-15	0.023	0.023	0.300	0.016	60.351	TRUE	2.62E-14
Overall asthma	AATF	cg14974722	rs9905721	G	A	-0.683	0.095	0.026	8.53E-13	0.019	0.034	0.580	0.014	51.128	TRUE	1.83E-12
Overall asthma	ACP2	cg20969221	rs1051006	A	G	0.173	0.030	0.185	1.18E-08	-0.041	0.013	9.80E-04	0.009	32.500	TRUE	8.11E-08
Overall asthma	ACSL6	cg02257405	rs10059315	A	G	0.388	0.067	0.029	7.42E-09	0.028	0.029	0.330	0.009	33.403	TRUE	1.59E-08
Overall asthma	ACSL6	cg19096799	rs10080188	A	T	0.321	0.058	0.039	3.09E-08	0.001	0.024	0.970	0.008	30.633	TRUE	3.86E-08
Overall asthma	ADK	cg19889307	rs11001185	T	A	0.561	0.073	0.025	1.01E-14	0.018	0.029	0.530	0.016	59.845	TRUE	2.54E-14
Overall asthma	ADK	cg19889307	rs1908331	A	G	0.935	0.033	0.126	5.22E-179	0.023	0.014	0.100	0.180	813.425	TRUE	7.25E-164
Overall asthma	ADK	cg19889307	rs56180079	A	G	0.628	0.061	0.035	1.22E-24	0.067	0.026	0.010	0.028	104.938	TRUE	4.08E-23
Overall asthma	ADK	cg19889307	rs576082936	T	C	0.318	0.026	0.272	5.02E-35	0.008	0.010	0.430	0.040	152.378	TRUE	7.70E-34
Overall asthma	ADK	cg19889307	rs839706	G	A	-0.178	0.028	0.233	1.13E-10	-0.015	0.011	0.180	0.011	41.562	TRUE	3.51E-10
Overall asthma	AIFM2	cg00352027	rs10999236	C	T	-0.301	0.048	0.061	4.52E-10	-0.005	0.020	0.800	0.010	38.854	TRUE	6.88E-10
Overall asthma	AIFM2	cg00352027	rs7082396	A	C	-0.235	0.024	0.348	9.07E-22	-0.022	0.010	0.025	0.024	91.859	TRUE	1.54E-20
Overall asthma	AIFM2	cg01322555	rs10999150	A	G	0.668	0.033	0.415	3.15E-93	0.004	0.010	0.720	0.102	419.262	TRUE	8.47E-89
Overall asthma	AIFM2	cg01322555	rs10999152	A	T	-0.239	0.032	0.161	1.24E-13	0.015	0.013	0.230	0.015	54.913	TRUE	4.26E-13
Overall asthma	AIFM2	cg01322555	rs10999245	T	C	0.207	0.027	0.263	1.10E-14	-0.025	0.011	0.022	0.016	59.678	TRUE	9.24E-14

Overall asthma	AIFM2	cg01322555	rs6480431	G	A	0.163	0.030	0.185	4.82E-08	-0.011	0.012	0.370	0.008	29.771	TRUE	9.51E-08
Overall asthma	AIFM2	cg02100629	rs10999245	T	C	-0.365	0.027	0.263	1.52E-42	-0.025	0.011	0.022	0.048	186.780	TRUE	3.30E-40
Overall asthma	AIFM2	cg02100629	rs16927241	A	G	-0.151	0.026	0.287	4.98E-09	0.009	0.011	0.400	0.009	34.177	TRUE	9.85E-09
Overall asthma	AIFM2	cg02100629	rs1904589	T	C	-0.210	0.023	0.450	3.46E-19	0.000	0.010	1.000	0.021	80.111	TRUE	6.91E-19
Overall asthma	AIFM2	cg02100629	rs199902924	G	A	0.192	0.029	0.222	1.63E-11	0.008	0.011	0.500	0.012	45.352	TRUE	3.56E-11
Overall asthma	AIFM2	cg02100629	rs2394645	G	C	-0.722	0.023	0.393	6.30E-224	-0.003	0.010	0.750	0.216	1019.943	TRUE	1.18E-203
Overall asthma	AIFM2	cg02100629	rs35359681	A	G	-0.441	0.068	0.031	7.17E-11	-0.009	0.030	0.760	0.011	42.449	TRUE	1.17E-10
Overall asthma	AIFM2	cg02100629	rs3750779	T	C	-0.220	0.026	0.263	4.74E-17	-0.011	0.011	0.290	0.019	70.402	TRUE	1.88E-16
Overall asthma	AIFM2	cg02100629	rs41277972	C	A	-0.451	0.071	0.028	1.73E-10	-0.057	0.029	0.047	0.011	40.723	TRUE	7.64E-10
Overall asthma	AIFM2	cg02100629	rs4747009	C	T	-0.191	0.030	0.186	2.93E-10	-0.012	0.013	0.360	0.011	39.697	TRUE	6.76E-10
Overall asthma	AIFM2	cg02100629	rs55742012	T	G	-0.210	0.035	0.126	2.89E-09	0.001	0.015	0.930	0.009	35.236	TRUE	3.85E-09
Overall asthma	AIFM2	cg02100629	rs6480431	G	A	-0.231	0.030	0.185	9.98E-15	-0.011	0.012	0.370	0.016	59.868	TRUE	3.13E-14
Overall asthma	AIFM2	cg02100629	rs884195	T	A	0.203	0.037	0.122	3.20E-08	0.011	0.014	0.470	0.008	30.565	TRUE	5.96E-08
Overall asthma	AIFM2	cg02308884	rs2394643	T	C	-0.347	0.023	0.405	2.13E-50	-0.020	0.010	0.043	0.057	222.761	TRUE	9.75E-48
Overall asthma	AIFM2	cg02308884	rs75804426	A	T	-0.175	0.028	0.234	2.24E-10	-0.018	0.012	0.130	0.011	40.221	TRUE	7.39E-10
Overall asthma	AIFM2	cg03087610	rs2310991	A	C	-0.270	0.023	0.421	8.40E-32	-0.014	0.010	0.150	0.036	137.642	TRUE	1.91E-30
Overall asthma	AIFM2	cg04859918	rs10823504	A	G	-0.394	0.048	0.059	4.27E-16	-0.008	0.019	0.680	0.018	66.074	TRUE	1.00E-15
Overall asthma	AIFM2	cg04859918	rs10999247	A	G	0.200	0.024	0.433	5.38E-17	0.016	0.010	0.100	0.019	70.156	TRUE	3.55E-16
Overall asthma	AIFM2	cg04859918	rs112800240	T	C	-0.292	0.051	0.052	7.44E-09	-0.004	0.020	0.850	0.009	33.397	TRUE	1.03E-08
Overall asthma	AIFM2	cg04859918	rs113487866	T	G	0.414	0.059	0.044	1.86E-12	-0.033	0.022	0.140	0.013	49.601	TRUE	7.34E-12
Overall asthma	AIFM2	cg04859918	rs1904589	T	C	-0.162	0.023	0.450	5.12E-12	0.000	0.010	1.000	0.013	47.614	TRUE	7.23E-12
Overall asthma	AIFM2	cg04859918	rs2310991	A	C	-0.441	0.023	0.421	5.33E-82	-0.014	0.010	0.150	0.090	367.714	TRUE	1.39E-77
Overall asthma	AIFM2	cg04859918	rs2894110	C	T	-0.357	0.039	0.100	3.77E-20	0.005	0.015	0.760	0.022	84.491	TRUE	1.04E-19
Overall asthma	AIFM2	cg13216961	rs10999151	A	G	-0.182	0.024	0.397	1.74E-14	0.002	0.010	0.840	0.016	58.771	TRUE	3.18E-14
Overall asthma	AIFM2	cg15779600	rs1043884	C	A	-0.164	0.026	0.277	2.63E-10	-0.026	0.011	0.017	0.011	39.910	TRUE	1.44E-09
Overall asthma	AIFM2	cg15779600	rs10762357	C	T	0.176	0.024	0.419	1.09E-13	0.018	0.010	0.061	0.015	55.169	TRUE	6.15E-13
Overall asthma	AIFM2	cg15779600	rs15801	T	C	-0.439	0.023	0.404	1.37E-80	-0.020	0.010	0.043	0.089	361.236	TRUE	8.01E-76
Overall asthma	AIFM2	cg17446739	rs10823504	A	G	-0.327	0.049	0.059	1.77E-11	-0.008	0.019	0.680	0.012	45.181	TRUE	3.22E-11
Overall asthma	AIFM2	cg17446739	rs4747009	C	T	-0.166	0.030	0.186	4.61E-08	-0.012	0.013	0.360	0.008	29.857	TRUE	9.14E-08
Overall asthma	AIFM2	cg17446739	rs6480442	T	C	-0.596	0.023	0.379	7.38E-149	-0.019	0.010	0.052	0.154	674.836	TRUE	2.46E-137
Overall asthma	AIFM2	cg17446739	rs7074416	G	A	-0.147	0.023	0.450	3.69E-10	-0.001	0.010	0.910	0.010	39.251	TRUE	5.18E-10
Overall asthma	AIFM2	cg18061319	rs10999251	C	T	0.154	0.024	0.345	2.79E-10	0.023	0.010	0.024	0.011	39.792	TRUE	1.47E-09
Overall asthma	AIFM2	cg18061319	rs12354675	T	C	-0.264	0.028	0.232	4.36E-21	-0.024	0.011	0.032	0.023	88.754	TRUE	6.78E-20
Overall asthma	AIFM2	cg18061319	rs15801	T	C	-0.593	0.023	0.404	1.27E-151	-0.020	0.010	0.043	0.157	687.549	TRUE	1.23E-139
Overall asthma	AIFM2	cg18061319	rs1904589	T	C	-0.197	0.023	0.450	3.99E-17	0.000	0.010	1.000	0.019	70.745	TRUE	7.13E-17
Overall asthma	AIFM2	cg18061319	rs3750779	T	C	-0.171	0.026	0.263	6.12E-11	-0.011	0.011	0.290	0.011	42.760	TRUE	1.55E-10
Overall asthma	AIFM2	cg18061319	rs58667031	T	C	0.320	0.057	0.047	2.52E-08	-0.029	0.022	0.190	0.008	31.026	TRUE	6.29E-08
Overall asthma	AIFM2	cg18061319	rs7077793	T	C	0.280	0.044	0.077	2.57E-10	0.015	0.018	0.420	0.011	39.954	TRUE	5.63E-10
Overall asthma	AIFM2	cg18061319	rs7897538	A	C	-0.197	0.033	0.147	2.42E-09	0.012	0.013	0.370	0.010	35.579	TRUE	5.25E-09
Overall asthma	AIFM2	cg18204930	rs10999152	A	T	0.187	0.032	0.161	6.05E-09	0.015	0.013	0.230	0.009	33.800	TRUE	1.45E-08
Overall asthma	AIFM2	cg18204930	rs6480442	T	C	-0.172	0.024	0.379	4.69E-13	-0.019	0.010	0.052	0.014	52.304	TRUE	2.60E-12
Overall asthma	AIFM2	cg18204930	rs7921649	T	G	0.476	0.035	0.124	1.76E-42	-0.004	0.014	0.800	0.048	186.497	TRUE	2.82E-41

Overall asthma	AIFM2	cg18204930	rs868075	A	G	0.197	0.034	0.139	1.01E-08	0.014	0.013	0.300	0.009	32.806	TRUE	2.28E-08
Overall asthma	AIFM2	cg20241658	rs10999231	T	C	-0.161	0.025	0.309	2.03E-10	-0.025	0.010	0.018	0.011	40.412	TRUE	1.22E-09
Overall asthma	AIFM2	cg20241658	rs112758586	A	C	0.342	0.057	0.048	2.56E-09	-0.028	0.022	0.210	0.009	35.472	TRUE	6.76E-09
Overall asthma	AIFM2	cg20241658	rs2310991	A	C	-0.485	0.023	0.421	3.91E-100	-0.014	0.010	0.150	0.109	450.976	TRUE	3.31E-94
Overall asthma	AIFM2	cg20241658	rs7897538	A	C	-0.185	0.033	0.147	2.19E-08	0.012	0.013	0.370	0.008	31.305	TRUE	4.43E-08
Overall asthma	AIFM2	cg25502086	rs10762357	C	T	0.174	0.024	0.419	2.53E-13	0.018	0.010	0.061	0.014	53.518	TRUE	1.38E-12
Overall asthma	AIFM2	cg25502086	rs10762363	A	C	-0.240	0.024	0.396	6.00E-24	-0.022	0.010	0.028	0.027	101.792	TRUE	1.32E-22
Overall asthma	AIFM2	cg25502086	rs10823504	A	G	-0.292	0.049	0.059	1.93E-09	-0.008	0.019	0.680	0.010	36.022	TRUE	3.15E-09
Overall asthma	AIFM2	cg25502086	rs10999318	C	A	0.183	0.023	0.492	5.09E-15	-0.002	0.010	0.830	0.016	61.193	TRUE	9.57E-15
Overall asthma	AIFM2	cg25502086	rs28391623	A	G	-0.635	0.022	0.403	1.58E-175	-0.019	0.010	0.055	0.177	797.420	TRUE	1.65E-160
Overall asthma	AIFM2	cg25502086	rs34931480	T	C	-0.179	0.027	0.237	6.98E-11	-0.010	0.011	0.370	0.011	42.503	TRUE	1.66E-10
Overall asthma	AIFM2	cg25502086	rs4747009	C	T	-0.197	0.030	0.186	8.87E-11	-0.012	0.013	0.360	0.011	42.033	TRUE	2.12E-10
Overall asthma	AIFM2	cg25502086	rs6480451	A	G	0.269	0.045	0.075	2.63E-09	0.018	0.019	0.330	0.009	35.418	TRUE	5.77E-09
Overall asthma	AIFM2	cg25502086	rs7897538	A	C	-0.200	0.033	0.147	1.31E-09	0.012	0.013	0.370	0.010	36.779	TRUE	2.89E-09
Overall asthma	AIFM2	cg26699283	rs10999245	T	C	-0.339	0.027	0.263	8.75E-37	-0.025	0.011	0.022	0.042	160.425	TRUE	9.07E-35
Overall asthma	AIFM2	cg26699283	rs12253314	T	A	0.178	0.025	0.340	3.66E-13	0.019	0.010	0.057	0.014	52.787	TRUE	2.02E-12
Overall asthma	AIFM2	cg26699283	rs3750779	T	C	-0.190	0.026	0.263	4.16E-13	-0.011	0.011	0.290	0.014	52.537	TRUE	1.23E-12
Overall asthma	AIFM2	cg26699283	rs4746965	C	T	-0.643	0.023	0.391	1.46E-173	-0.004	0.010	0.710	0.176	788.382	TRUE	1.37E-160
Overall asthma	AIFM2	cg26699283	rs4747009	C	T	-0.186	0.030	0.186	8.58E-10	-0.012	0.013	0.360	0.010	37.604	TRUE	1.91E-09
Overall asthma	AIFM2	cg26699283	rs6480431	G	A	-0.173	0.030	0.185	7.55E-09	-0.011	0.012	0.370	0.009	33.370	TRUE	1.57E-08
Overall asthma	AIFM2	cg26699283	rs7074416	G	A	-0.189	0.023	0.450	7.74E-16	-0.001	0.010	0.910	0.017	64.899	TRUE	1.42E-15
Overall asthma	AIFM2	cg26699283	rs71480649	T	C	-0.439	0.064	0.034	8.02E-12	0.001	0.028	0.980	0.012	46.736	TRUE	1.14E-11
Overall asthma	AIFM2	cg26699283	rs7897538	A	C	-0.185	0.033	0.147	2.33E-08	0.012	0.013	0.370	0.008	31.181	TRUE	4.71E-08
Overall asthma	AKR1C2	cg00863716	rs10904387	T	C	-0.199	0.026	0.284	3.85E-14	0.010	0.011	0.360	0.015	57.215	TRUE	1.14E-13
Overall asthma	AKR1C2	cg00863716	rs11252932	G	A	0.182	0.029	0.211	2.35E-10	-0.009	0.012	0.440	0.011	40.132	TRUE	4.95E-10
Overall asthma	AKR1C2	cg00863716	rs141113316	A	G	-0.422	0.057	0.043	1.84E-13	0.019	0.022	0.380	0.014	54.139	TRUE	5.08E-13
Overall asthma	AKR1C2	cg04683516	rs10508291	G	A	-0.251	0.042	0.084	3.10E-09	0.009	0.017	0.590	0.009	35.100	TRUE	5.37E-09
Overall asthma	AKR1C2	cg04683516	rs10795212	C	A	0.188	0.024	0.352	1.23E-14	0.011	0.010	0.300	0.016	59.456	TRUE	4.39E-14
Overall asthma	AKR1C2	cg04683516	rs10904387	T	C	-0.661	0.025	0.284	3.38E-150	0.010	0.011	0.360	0.155	680.997	TRUE	1.42E-139
Overall asthma	AKR1C2	cg04683516	rs11252830	T	G	0.592	0.070	0.057	2.65E-17	-0.041	0.020	0.042	0.019	71.551	TRUE	2.48E-16
Overall asthma	AKR1C2	cg04683516	rs11252840	T	C	-0.216	0.036	0.105	2.99E-09	0.004	0.014	0.790	0.009	35.169	TRUE	4.43E-09
Overall asthma	AKR1C2	cg04683516	rs11252850	C	A	-0.360	0.042	0.085	2.34E-17	0.006	0.017	0.730	0.019	71.798	TRUE	5.60E-17
Overall asthma	AKR1C2	cg04683516	rs2961610	T	G	-0.133	0.024	0.465	1.80E-08	0.005	0.010	0.600	0.008	31.681	TRUE	2.97E-08
Overall asthma	AKR1C2	cg04683516	rs2961619	T	C	0.215	0.034	0.132	2.14E-10	-0.020	0.015	0.170	0.011	40.308	TRUE	6.40E-10
Overall asthma	AKR1C2	cg04683516	rs3885233	A	G	0.730	0.028	0.201	2.46E-150	-0.035	0.012	0.003	0.156	681.630	TRUE	1.35E-137
Overall asthma	AKR1C2	cg04683516	rs4303139	T	G	0.178	0.031	0.172	8.83E-09	0.025	0.013	0.048	0.009	33.066	TRUE	3.18E-08
Overall asthma	AKR1C2	cg04683516	rs4448588	A	T	0.426	0.024	0.369	4.39E-71	-0.012	0.010	0.240	0.079	317.619	TRUE	1.19E-67
Overall asthma	AKR1C2	cg04683516	rs4634990	A	G	-0.364	0.030	0.189	4.69E-33	0.009	0.013	0.490	0.037	143.369	TRUE	4.99E-32
Overall asthma	AKR1C2	cg04683516	rs7073738	A	G	-0.504	0.030	0.169	7.39E-63	0.022	0.013	0.088	0.070	279.882	TRUE	1.24E-59
Overall asthma	AKR1C2	cg04683516	rs72549130	G	A	0.580	0.040	0.097	7.46E-47	-0.003	0.016	0.840	0.053	206.521	TRUE	1.76E-45
Overall asthma	AKR1C2	cg04683516	rs72769943	T	C	0.466	0.068	0.056	7.65E-12	0.022	0.019	0.260	0.013	46.829	TRUE	2.29E-11
Overall asthma	AKR1C2	cg04683516	rs72774010	G	A	-0.319	0.047	0.065	7.03E-12	0.009	0.019	0.640	0.013	46.994	TRUE	1.34E-11

Overall asthma	AKR1C2	cg10158681	rs11252850	C	A	-0.322	0.042	0.085	3.41E-14	0.006	0.017	0.730	0.015	57.453	TRUE	6.80E-14
Overall asthma	AKR1C2	cg10158681	rs143989677	C	T	-0.251	0.036	0.119	3.20E-12	-0.024	0.013	0.072	0.013	48.538	TRUE	1.55E-11
Overall asthma	AKR1C2	cg10158681	rs1781932	G	A	0.172	0.027	0.253	2.71E-10	0.007	0.011	0.540	0.011	39.851	TRUE	5.23E-10
Overall asthma	AKR1C2	cg18841653	rs11252850	C	A	0.361	0.042	0.085	1.75E-17	0.006	0.017	0.730	0.019	72.368	TRUE	4.23E-17
Overall asthma	AKR1C2	cg18841653	rs11252866	T	C	0.291	0.043	0.081	2.39E-11	0.001	0.018	0.950	0.012	44.597	TRUE	3.42E-11
Overall asthma	AKR1C2	cg18841653	rs112734695	G	T	-0.516	0.090	0.019	1.01E-08	-0.005	0.032	0.880	0.009	32.802	TRUE	1.37E-08
Overall asthma	AKR1C2	cg18841653	rs11817141	C	T	-0.466	0.041	0.089	4.80E-30	0.038	0.017	0.023	0.034	129.616	TRUE	2.13E-28
Overall asthma	AKR1C2	cg18841653	rs150857516	A	G	0.280	0.034	0.146	1.15E-16	-0.011	0.013	0.410	0.018	68.663	TRUE	3.91E-16
Overall asthma	AKR1C2	cg18841653	rs2397987	G	A	-0.392	0.025	0.284	4.64E-54	0.001	0.011	0.920	0.061	239.541	TRUE	2.13E-52
Overall asthma	AKR1C2	cg18841653	rs2924275	G	T	0.219	0.034	0.132	1.78E-10	0.013	0.014	0.350	0.011	40.674	TRUE	4.18E-10
Overall asthma	AKR1C2	cg18841653	rs2924286	C	T	-0.166	0.024	0.426	4.12E-12	0.019	0.010	0.045	0.013	48.040	TRUE	2.13E-11
Overall asthma	AKR1C2	cg18841653	rs4500389	C	T	-0.322	0.024	0.375	6.62E-41	0.019	0.010	0.061	0.046	179.282	TRUE	7.44E-39
Overall asthma	AKR1C2	cg18841653	rs61830355	A	G	0.349	0.045	0.079	4.71E-15	0.010	0.017	0.540	0.016	61.346	TRUE	1.18E-14
Overall asthma	AKR1C2	cg18841653	rs71477874	C	G	-0.704	0.093	0.014	2.93E-14	-0.046	0.041	0.260	0.015	57.747	TRUE	1.03E-13
Overall asthma	AKR1C2	cg18841653	rs7908994	T	C	-0.831	0.034	0.117	2.96E-129	0.028	0.015	0.063	0.137	584.751	TRUE	4.78E-120
Overall asthma	AKR1C2	cg19328485	rs10904387	T	C	-0.175	0.026	0.284	3.72E-11	0.010	0.011	0.360	0.012	43.734	TRUE	8.98E-11
Overall asthma	AKR1C2	cg19328485	rs141113316	A	G	-0.668	0.057	0.043	1.11E-31	0.019	0.022	0.380	0.036	137.098	TRUE	1.31E-30
Overall asthma	AKR1C2	cg19328485	rs4641368	T	C	-0.501	0.032	0.153	6.07E-54	-0.021	0.013	0.110	0.061	239.006	TRUE	2.48E-51
Overall asthma	AKR1C2	cg19328485	rs77331455	G	C	0.300	0.043	0.084	4.87E-12	-0.010	0.017	0.560	0.013	47.713	TRUE	1.01E-11
Overall asthma	AKR1C2	cg19328485	rs7894134	T	G	0.242	0.023	0.451	3.85E-25	0.001	0.010	0.910	0.028	107.229	TRUE	1.23E-24
Overall asthma	AKR1C2	cg22074467	rs2961613	T	A	-0.248	0.043	0.084	7.40E-09	0.007	0.017	0.700	0.009	33.408	TRUE	1.15E-08
Overall asthma	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	-0.020	0.011	0.058	0.012	43.544	TRUE	1.76E-10
Overall asthma	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	0.009	0.022	0.700	0.041	156.423	TRUE	6.75E-35
Overall asthma	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	0.006	0.017	0.710	0.031	119.299	TRUE	4.40E-27
Overall asthma	AKT1	cg01921845	rs2494733	G	C	-0.756	0.023	0.321	6.44E-232	-0.007	0.010	0.500	0.222	1056.685	TRUE	7.01E-210
Overall asthma	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	0.004	0.019	0.830	0.012	43.327	TRUE	7.10E-11
Overall asthma	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	0.003	0.012	0.810	0.037	141.017	TRUE	9.71E-32
Overall asthma	AKT1	cg02072813	rs45490496	A	T	0.144	0.024	0.400	3.21E-09	-0.019	0.010	0.050	0.009	35.034	TRUE	1.21E-08
Overall asthma	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	-0.006	0.012	0.630	0.016	58.597	TRUE	4.29E-14
Overall asthma	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	-0.056	0.024	0.022	0.010	38.610	TRUE	2.67E-09
Overall asthma	AKT1	cg02884928	rs117082627	A	G	-0.793	0.119	0.011	3.21E-11	0.082	0.049	0.096	0.012	44.020	TRUE	1.27E-10
Overall asthma	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	0.011	0.032	0.730	0.019	70.217	TRUE	1.22E-16
Overall asthma	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	0.003	0.019	0.860	0.152	661.492	TRUE	1.39E-136
Overall asthma	AKT1	cg02884928	rs3001410	T	C	-0.206	0.030	0.205	4.76E-12	0.030	0.012	0.012	0.013	47.756	TRUE	3.48E-11
Overall asthma	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	-0.023	0.011	0.026	0.070	276.632	TRUE	1.05E-58
Overall asthma	AKT1	cg04820159	rs2494742	C	G	-0.432	0.044	0.076	4.43E-23	0.003	0.019	0.870	0.026	97.834	TRUE	1.29E-22
Overall asthma	AKT1	cg04820159	rs36214921	C	G	0.272	0.026	0.300	4.70E-26	-0.025	0.011	0.019	0.029	111.396	TRUE	1.37E-24
Overall asthma	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	-0.022	0.010	0.038	0.023	88.465	TRUE	7.92E-20
Overall asthma	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	-0.018	0.010	0.063	0.012	45.134	TRUE	8.06E-11
Overall asthma	AKT1	cg12100463	rs61758556	T	A	-0.246	0.036	0.142	8.26E-12	-0.022	0.013	0.100	0.012	46.677	TRUE	3.49E-11
Overall asthma	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	0.005	0.017	0.770	0.010	36.908	TRUE	1.87E-09
Overall asthma	AKT1	cg12789068	rs118174518	C	G	-2.123	0.108	0.012	2.02E-86	-0.028	0.035	0.430	0.095	388.011	TRUE	3.60E-82

Overall asthma	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	0.010	0.016	0.550	0.009	33.914	TRUE	1.00E-08
Overall asthma	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	0.044	0.013	0.001	0.008	31.381	TRUE	1.57E-07
Overall asthma	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	-0.014	0.015	0.330	0.015	57.467	TRUE	1.03E-13
Overall asthma	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	-0.014	0.017	0.420	0.013	48.421	TRUE	8.37E-12
Overall asthma	AKT1	cg13986355	rs2498786	C	G	0.147	0.024	0.392	1.13E-09	-0.019	0.010	0.056	0.010	37.063	TRUE	4.47E-09
Overall asthma	AKT1	cg14184729	rs35455320	G	C	-0.216	0.036	0.117	1.90E-09	-0.001	0.015	0.960	0.010	36.055	TRUE	2.49E-09
Overall asthma	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	-0.006	0.010	0.580	0.046	176.802	TRUE	4.49E-39
Overall asthma	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	-0.056	0.024	0.022	0.009	34.600	TRUE	1.88E-08
Overall asthma	AKT1	cg14274357	rs117082627	A	G	-0.809	0.119	0.011	1.30E-11	0.082	0.049	0.096	0.012	45.786	TRUE	5.34E-11
Overall asthma	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	0.011	0.032	0.730	0.022	81.931	TRUE	3.78E-19
Overall asthma	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	0.004	0.019	0.850	0.172	768.220	TRUE	5.60E-157
Overall asthma	AKT1	cg14274357	rs3001410	T	C	-0.195	0.030	0.205	6.09E-11	0.030	0.012	0.012	0.011	42.770	TRUE	3.90E-10
Overall asthma	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.045	0.016	0.006	0.008	30.293	TRUE	1.97E-07
Overall asthma	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	-0.023	0.011	0.026	0.072	285.448	TRUE	1.71E-60
Overall asthma	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	-0.009	0.011	0.440	0.011	41.425	TRUE	2.64E-10
Overall asthma	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	-0.018	0.010	0.070	0.101	413.893	TRUE	1.60E-86
Overall asthma	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	0.003	0.012	0.810	0.008	30.375	TRUE	4.88E-08
Overall asthma	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	-0.003	0.010	0.740	0.014	52.272	TRUE	8.90E-13
Overall asthma	AKT1	cg18426060	rs45490496	A	T	-0.392	0.024	0.400	9.67E-61	-0.019	0.010	0.050	0.068	270.173	TRUE	1.67E-57
Overall asthma	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	-0.018	0.010	0.070	0.016	61.080	TRUE	3.36E-14
Overall asthma	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	0.003	0.012	0.810	0.021	80.776	TRUE	6.07E-19
Overall asthma	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	0.028	0.012	0.024	0.020	75.339	TRUE	4.98E-17
Overall asthma	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	-0.005	0.012	0.650	0.118	494.977	TRUE	8.57E-104
Overall asthma	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	-0.021	0.011	0.046	0.010	37.335	TRUE	3.89E-09
Overall asthma	AKT1	cg23176538	rs3803304	G	C	0.517	0.026	0.254	4.32E-87	0.001	0.011	0.920	0.096	391.088	TRUE	2.38E-83
Overall asthma	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	-0.013	0.010	0.180	0.015	55.388	TRUE	3.92E-13
Overall asthma	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	-0.001	0.015	0.950	0.012	44.314	TRUE	3.94E-11
Overall asthma	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	-0.021	0.014	0.140	0.010	35.929	TRUE	6.14E-09
Overall asthma	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	0.000	0.010	0.960	0.050	194.325	TRUE	4.98E-43
Overall asthma	AKT1	cg26023960	rs71421880	A	T	-0.776	0.036	0.106	5.60E-105	0.000	0.015	0.980	0.113	473.227	TRUE	7.36E-100
Overall asthma	AKT1	cg26099837	rs45490496	A	T	0.139	0.024	0.400	5.85E-09	-0.019	0.010	0.050	0.009	33.867	TRUE	2.14E-08
Overall asthma	ALOX12	cg02493798	rs116966909	T	G	-0.493	0.067	0.065	1.62E-13	-0.043	0.020	0.036	0.014	54.389	TRUE	1.10E-12
Overall asthma	ALOX12	cg02493798	rs1967272	T	C	-0.249	0.039	0.098	1.23E-10	-0.019	0.016	0.240	0.011	41.388	TRUE	3.43E-10
Overall asthma	ALOX12	cg02493798	rs2920427	C	A	0.485	0.032	0.150	1.84E-50	0.027	0.013	0.038	0.057	223.048	TRUE	8.96E-48
Overall asthma	ALOX12	cg02493798	rs311756	C	G	-0.136	0.024	0.403	1.80E-08	-0.009	0.010	0.360	0.008	31.685	TRUE	3.67E-08
Overall asthma	ALOX12	cg02493798	rs34947586	T	C	0.230	0.030	0.197	1.26E-14	0.003	0.012	0.800	0.016	59.402	TRUE	2.44E-14
Overall asthma	ALOX12	cg02493798	rs6502998	G	A	-0.955	0.018	0.423	<1E-200	-0.001	0.010	0.920	0.423	2709.104	TRUE	<1E-200
Overall asthma	ALOX12	cg02493798	rs72834423	A	C	0.245	0.034	0.134	1.09E-12	0.016	0.013	0.240	0.014	50.641	TRUE	3.67E-12
Overall asthma	ALOX12	cg02493798	rs732428	T	C	-0.262	0.046	0.134	1.28E-08	-0.013	0.014	0.370	0.009	32.347	TRUE	2.64E-08
Overall asthma	ALOX12	cg02493798	rs8075252	G	T	-0.264	0.023	0.448	1.70E-29	0.009	0.010	0.350	0.033	127.104	TRUE	1.79E-28
Overall asthma	ALOX12	cg03404566	rs116966909	T	G	-0.455	0.067	0.065	1.12E-11	-0.043	0.020	0.036	0.012	46.074	TRUE	6.29E-11
Overall asthma	ALOX12	cg03404566	rs1967272	T	C	-0.229	0.039	0.098	3.32E-09	-0.019	0.016	0.240	0.009	34.969	TRUE	8.26E-09

Overall asthma	ALOX12	cg03404566	rs2920427	C	A	0.489	0.032	0.150	2.86E-51	0.027	0.013	0.038	0.058	226.757	TRUE	1.56E-48
Overall asthma	ALOX12	cg03404566	rs34947586	T	C	0.224	0.030	0.197	5.23E-14	0.003	0.012	0.800	0.015	56.612	TRUE	9.75E-14
Overall asthma	ALOX12	cg03404566	rs6502998	G	A	-0.957	0.018	0.423	<1E-200	-0.001	0.010	0.920	0.425	2736.622	TRUE	<1E-200
Overall asthma	ALOX12	cg03404566	rs72834423	A	C	0.286	0.034	0.134	8.85E-17	0.016	0.013	0.240	0.018	69.173	TRUE	4.13E-16
Overall asthma	ALOX12	cg03404566	rs8075252	G	T	-0.282	0.023	0.448	1.66E-33	0.009	0.010	0.350	0.038	145.434	TRUE	2.54E-32
Overall asthma	ALOX12	cg03407747	rs116966909	T	G	-0.521	0.067	0.065	6.30E-15	-0.043	0.020	0.036	0.016	60.772	TRUE	4.97E-14
Overall asthma	ALOX12	cg03407747	rs12950215	A	G	0.244	0.035	0.131	1.85E-12	0.015	0.013	0.260	0.013	49.613	TRUE	5.79E-12
Overall asthma	ALOX12	cg03407747	rs1967272	T	C	-0.250	0.039	0.098	1.21E-10	-0.019	0.016	0.240	0.011	41.427	TRUE	3.37E-10
Overall asthma	ALOX12	cg03407747	rs2920427	C	A	0.487	0.032	0.150	9.73E-51	0.027	0.013	0.038	0.057	224.318	TRUE	4.92E-48
Overall asthma	ALOX12	cg03407747	rs311756	C	G	-0.158	0.024	0.403	6.58E-11	-0.009	0.010	0.360	0.011	42.617	TRUE	1.59E-10
Overall asthma	ALOX12	cg03407747	rs34947586	T	C	0.247	0.030	0.197	1.13E-16	0.003	0.012	0.800	0.018	68.694	TRUE	2.44E-16
Overall asthma	ALOX12	cg03407747	rs6502998	G	A	-0.978	0.018	0.423	<1E-200	-0.001	0.010	0.920	0.445	2963.041	TRUE	<1E-200
Overall asthma	ALOX12	cg03407747	rs8075252	G	T	-0.296	0.023	0.448	5.97E-37	0.009	0.010	0.350	0.042	161.183	TRUE	1.29E-35
Overall asthma	ALOX12	cg03760483	rs116966909	T	G	-0.477	0.067	0.065	1.06E-12	-0.043	0.020	0.036	0.014	50.701	TRUE	6.62E-12
Overall asthma	ALOX12	cg03760483	rs1967272	T	C	-0.248	0.039	0.098	1.50E-10	-0.019	0.016	0.240	0.011	41.006	TRUE	4.15E-10
Overall asthma	ALOX12	cg03760483	rs2920427	C	A	0.485	0.032	0.150	2.23E-50	0.027	0.013	0.038	0.057	222.665	TRUE	1.07E-47
Overall asthma	ALOX12	cg03760483	rs34947586	T	C	0.222	0.030	0.197	9.56E-14	0.003	0.012	0.800	0.015	55.425	TRUE	1.76E-13
Overall asthma	ALOX12	cg03760483	rs6502998	G	A	-0.975	0.018	0.423	<1E-200	-0.001	0.010	0.920	0.442	2933.476	TRUE	<1E-200
Overall asthma	ALOX12	cg03760483	rs72834423	A	C	0.265	0.034	0.134	1.31E-14	0.016	0.013	0.240	0.016	59.340	TRUE	5.11E-14
Overall asthma	ALOX12	cg03760483	rs732428	T	C	-0.275	0.046	0.134	2.60E-09	-0.013	0.014	0.370	0.009	35.447	TRUE	5.62E-09
Overall asthma	ALOX12	cg03760483	rs8075252	G	T	-0.291	0.023	0.448	1.30E-35	0.009	0.010	0.350	0.040	155.065	TRUE	2.45E-34
Overall asthma	ALOX12	cg03762994	rs116966909	T	G	-0.481	0.067	0.065	6.33E-13	-0.043	0.020	0.036	0.014	51.714	TRUE	4.05E-12
Overall asthma	ALOX12	cg03762994	rs1967272	T	C	-0.239	0.039	0.098	6.91E-10	-0.019	0.016	0.240	0.010	38.025	TRUE	1.81E-09
Overall asthma	ALOX12	cg03762994	rs2920427	C	A	0.480	0.032	0.150	2.26E-49	0.027	0.013	0.038	0.056	218.059	TRUE	9.45E-47
Overall asthma	ALOX12	cg03762994	rs34947586	T	C	0.236	0.030	0.197	2.10E-15	0.003	0.012	0.800	0.017	62.931	TRUE	4.23E-15
Overall asthma	ALOX12	cg03762994	rs6502998	G	A	-0.968	0.018	0.423	<1E-200	-0.001	0.010	0.920	0.435	2842.966	TRUE	<1E-200
Overall asthma	ALOX12	cg03762994	rs72834423	A	C	0.250	0.034	0.134	4.24E-13	0.016	0.013	0.240	0.014	52.500	TRUE	1.47E-12
Overall asthma	ALOX12	cg03762994	rs732428	T	C	-0.263	0.046	0.134	1.22E-08	-0.013	0.014	0.370	0.009	32.431	TRUE	2.53E-08
Overall asthma	ALOX12	cg03762994	rs8075252	G	T	-0.274	0.023	0.448	9.66E-32	0.009	0.010	0.350	0.036	137.366	TRUE	1.25E-30
Overall asthma	ALOX12	cg05215272	rs11571326	A	G	0.301	0.043	0.082	2.95E-12	-0.059	0.017	5.20E-04	0.013	48.693	TRUE	4.15E-11
Overall asthma	ALOX12	cg05215272	rs116966909	T	G	-0.508	0.067	0.065	2.87E-14	-0.043	0.020	0.036	0.015	57.792	TRUE	2.11E-13
Overall asthma	ALOX12	cg05215272	rs1967272	T	C	-0.269	0.039	0.098	3.99E-12	-0.019	0.016	0.240	0.013	48.102	TRUE	1.25E-11
Overall asthma	ALOX12	cg05215272	rs2920427	C	A	0.503	0.032	0.150	2.89E-54	0.027	0.013	0.038	0.061	240.486	TRUE	2.41E-51
Overall asthma	ALOX12	cg05215272	rs34947586	T	C	0.232	0.030	0.197	5.86E-15	0.003	0.012	0.800	0.016	60.915	TRUE	1.15E-14
Overall asthma	ALOX12	cg05215272	rs6502998	G	A	-1.041	0.017	0.423	<1E-200	-0.001	0.010	0.920	0.506	3796.412	TRUE	<1E-200
Overall asthma	ALOX12	cg05215272	rs6503002	A	G	-0.309	0.045	0.146	6.74E-12	-0.007	0.014	0.590	0.013	47.077	TRUE	1.34E-11
Overall asthma	ALOX12	cg05215272	rs72834423	A	C	0.285	0.034	0.134	1.12E-16	0.016	0.013	0.240	0.018	68.702	TRUE	5.20E-16
Overall asthma	ALOX12	cg05215272	rs8075252	G	T	-0.297	0.023	0.448	3.95E-37	0.009	0.010	0.350	0.042	162.003	TRUE	8.70E-36
Overall asthma	ALOX12	cg05215748	rs2920427	C	A	0.208	0.033	0.150	2.07E-10	0.027	0.013	0.038	0.011	40.374	TRUE	9.69E-10
Overall asthma	ALOX12	cg05215748	rs3218667	C	T	-0.431	0.024	0.432	1.79E-74	-0.004	0.010	0.700	0.083	333.172	TRUE	2.08E-71
Overall asthma	ALOX12	cg05657792	rs1967272	T	C	-0.215	0.039	0.098	2.86E-08	-0.019	0.016	0.240	0.008	30.781	TRUE	6.63E-08
Overall asthma	ALOX12	cg05657792	rs2920427	C	A	0.445	0.033	0.150	1.85E-42	0.027	0.013	0.038	0.048	186.393	TRUE	3.09E-40

Overall asthma	ALOX12	cg05657792	rs34947586	T	C	0.202	0.030	0.197	1.25E-11	0.003	0.012	0.800	0.012	45.862	TRUE	2.07E-11
Overall asthma	ALOX12	cg05657792	rs6502998	G	A	-0.892	0.020	0.423	<1E-200	-0.001	0.010	0.920	0.347	1964.460	TRUE	<1E-200
Overall asthma	ALOX12	cg05657792	rs72834423	A	C	0.228	0.034	0.134	3.67E-11	0.016	0.013	0.240	0.012	43.758	TRUE	1.09E-10
Overall asthma	ALOX12	cg05657792	rs80152502	A	G	-0.466	0.072	0.053	1.23E-10	-0.033	0.022	0.120	0.011	41.390	TRUE	4.15E-10
Overall asthma	ALOX12	cg05657792	rs8075252	G	T	-0.268	0.023	0.448	2.26E-30	0.009	0.010	0.350	0.034	131.111	TRUE	2.58E-29
Overall asthma	ALOX12	cg08870757	rs2920421	A	G	-0.173	0.025	0.324	2.58E-12	-0.010	0.010	0.320	0.013	48.955	TRUE	7.23E-12
Overall asthma	ALOX12	cg08946332	rs3218667	C	T	-0.253	0.024	0.432	6.27E-27	-0.004	0.010	0.700	0.030	115.390	TRUE	2.97E-26
Overall asthma	ALOX12	cg09737314	rs116966909	T	G	-0.510	0.067	0.065	2.17E-14	-0.043	0.020	0.036	0.016	58.341	TRUE	1.62E-13
Overall asthma	ALOX12	cg09737314	rs12950215	A	G	0.241	0.035	0.131	3.45E-12	0.015	0.013	0.260	0.013	48.388	TRUE	1.06E-11
Overall asthma	ALOX12	cg09737314	rs1967272	T	C	-0.255	0.039	0.098	4.78E-11	-0.019	0.016	0.240	0.012	43.241	TRUE	1.37E-10
Overall asthma	ALOX12	cg09737314	rs2920427	C	A	0.486	0.032	0.150	1.39E-50	0.027	0.013	0.038	0.057	223.603	TRUE	6.89E-48
Overall asthma	ALOX12	cg09737314	rs34947586	T	C	0.239	0.030	0.197	9.45E-16	0.003	0.012	0.800	0.017	64.508	TRUE	1.94E-15
Overall asthma	ALOX12	cg09737314	rs6502998	G	A	-0.963	0.018	0.423	<1E-200	-0.001	0.010	0.920	0.431	2804.506	TRUE	<1E-200
Overall asthma	ALOX12	cg09737314	rs8075252	G	T	-0.288	0.023	0.448	5.81E-35	0.009	0.010	0.350	0.039	152.089	TRUE	1.03E-33
Overall asthma	ALOX12	cg12262378	rs116966909	T	G	-0.442	0.067	0.065	4.07E-11	-0.043	0.020	0.036	0.012	43.555	TRUE	2.15E-10
Overall asthma	ALOX12	cg12262378	rs12950215	A	G	0.241	0.035	0.131	3.42E-12	0.015	0.013	0.260	0.013	48.403	TRUE	1.05E-11
Overall asthma	ALOX12	cg12262378	rs1967272	T	C	-0.243	0.039	0.098	3.91E-10	-0.019	0.016	0.240	0.010	39.135	TRUE	1.05E-09
Overall asthma	ALOX12	cg12262378	rs2920427	C	A	0.462	0.033	0.150	6.18E-46	0.027	0.013	0.038	0.052	202.314	TRUE	1.62E-43
Overall asthma	ALOX12	cg12262378	rs311756	C	G	-0.133	0.024	0.403	3.58E-08	-0.009	0.010	0.360	0.008	30.348	TRUE	7.17E-08
Overall asthma	ALOX12	cg12262378	rs34947586	T	C	0.224	0.030	0.197	5.08E-14	0.003	0.012	0.800	0.015	56.668	TRUE	9.48E-14
Overall asthma	ALOX12	cg12262378	rs6502998	G	A	-0.925	0.019	0.423	<1E-200	-0.001	0.010	0.920	0.397	2430.927	TRUE	<1E-200
Overall asthma	ALOX12	cg12262378	rs732428	T	C	-0.259	0.046	0.134	2.09E-08	-0.013	0.014	0.370	0.008	31.391	TRUE	4.26E-08
Overall asthma	ALOX12	cg12262378	rs8075252	G	T	-0.242	0.023	0.448	4.37E-25	0.009	0.010	0.350	0.028	106.977	TRUE	3.13E-24
Overall asthma	ALOX12	cg14375499	rs11078659	A	G	0.354	0.023	0.498	5.03E-52	0.017	0.010	0.078	0.059	230.215	TRUE	2.03E-49
Overall asthma	ALOX12	cg14375499	rs33979567	T	G	0.189	0.029	0.210	5.62E-11	0.018	0.012	0.130	0.011	42.926	TRUE	1.95E-10
Overall asthma	ALOX12	cg14375499	rs9303211	T	C	-0.141	0.024	0.388	3.69E-09	0.006	0.010	0.560	0.009	34.762	TRUE	6.53E-09
Overall asthma	ALOX12	cg19294448	rs10852889	C	T	0.282	0.023	0.432	3.07E-33	-0.004	0.010	0.680	0.038	144.213	TRUE	2.52E-32
Overall asthma	ALOX12	cg19294448	rs5017726	A	C	-0.186	0.032	0.156	4.03E-09	-0.022	0.013	0.080	0.009	34.593	TRUE	1.32E-08
Overall asthma	ALOX12	cg19536664	rs11571326	A	G	0.451	0.043	0.082	6.82E-26	-0.059	0.017	5.20E-04	0.029	110.658	TRUE	6.31E-24
Overall asthma	ALOX12	cg19536664	rs1967272	T	C	-0.286	0.039	0.098	1.61E-13	-0.019	0.016	0.240	0.014	54.403	TRUE	5.60E-13
Overall asthma	ALOX12	cg19536664	rs2083823	T	C	-0.347	0.054	0.101	9.65E-11	-0.023	0.016	0.150	0.011	41.869	TRUE	3.16E-10
Overall asthma	ALOX12	cg19536664	rs2920427	C	A	0.516	0.032	0.150	3.77E-57	0.027	0.013	0.038	0.064	253.708	TRUE	4.80E-54
Overall asthma	ALOX12	cg19536664	rs311756	C	G	-0.166	0.024	0.403	5.26E-12	-0.009	0.010	0.360	0.013	47.560	TRUE	1.37E-11
Overall asthma	ALOX12	cg19536664	rs34947586	T	C	0.253	0.030	0.197	1.64E-17	0.003	0.012	0.800	0.019	72.501	TRUE	3.71E-17
Overall asthma	ALOX12	cg19536664	rs369082	C	T	0.145	0.024	0.448	8.71E-10	-0.002	0.010	0.800	0.010	37.573	TRUE	1.30E-09
Overall asthma	ALOX12	cg19536664	rs6502998	G	A	-1.146	0.015	0.423	<1E-200	-0.001	0.010	0.920	0.616	5943.611	TRUE	<1E-200
Overall asthma	ALOX12	cg19536664	rs72834423	A	C	0.280	0.034	0.134	3.77E-16	0.016	0.013	0.240	0.018	66.319	TRUE	1.67E-15
Overall asthma	ALOX12	cg19536664	rs80152502	A	G	-0.555	0.072	0.053	1.51E-14	-0.033	0.022	0.120	0.016	59.054	TRUE	7.15E-14
Overall asthma	ALOX12	cg19536664	rs8075252	G	T	-0.326	0.023	0.448	1.39E-44	0.009	0.010	0.350	0.050	196.126	TRUE	6.84E-43
Overall asthma	ALOX12	cg20216752	rs375060	C	G	0.307	0.045	0.076	5.59E-12	-0.053	0.018	0.003	0.013	47.444	TRUE	5.39E-11
Overall asthma	ALOX12	cg20216752	rs434844	G	C	0.315	0.024	0.395	4.85E-40	-0.024	0.010	0.013	0.045	175.326	TRUE	9.42E-38
Overall asthma	ALOX12	cg20216752	rs7406627	G	A	-0.140	0.025	0.317	2.60E-08	0.003	0.010	0.800	0.008	30.972	TRUE	3.64E-08

Overall asthma	ALOX12	cg21237687	rs1967272	T	C	-0.244	0.039	0.098	2.98E-10	-0.019	0.016	0.240	0.011	39.664	TRUE	8.06E-10
Overall asthma	ALOX12	cg21237687	rs2920427	C	A	0.490	0.032	0.150	1.76E-51	0.027	0.013	0.038	0.058	227.720	TRUE	9.88E-49
Overall asthma	ALOX12	cg21237687	rs34947586	T	C	0.221	0.030	0.197	1.06E-13	0.003	0.012	0.800	0.015	55.221	TRUE	1.95E-13
Overall asthma	ALOX12	cg21237687	rs576747	T	C	-0.147	0.024	0.456	1.07E-09	0.000	0.010	0.990	0.010	37.170	TRUE	1.39E-09
Overall asthma	ALOX12	cg21237687	rs6502998	G	A	-0.982	0.018	0.423	<1E-200	-0.001	0.010	0.920	0.447	2991.685	TRUE	<1E-200
Overall asthma	ALOX12	cg21237687	rs72834423	A	C	0.239	0.034	0.134	4.33E-12	0.016	0.013	0.240	0.013	47.942	TRUE	1.39E-11
Overall asthma	ALOX12	cg21237687	rs732428	T	C	-0.252	0.046	0.134	4.95E-08	-0.013	0.014	0.370	0.008	29.720	TRUE	9.82E-08
Overall asthma	ALOX12	cg21237687	rs80152502	A	G	-0.540	0.072	0.053	7.48E-14	-0.033	0.022	0.120	0.015	55.906	TRUE	3.34E-13
Overall asthma	ALOX12	cg21237687	rs8075252	G	T	-0.272	0.023	0.448	2.35E-31	0.009	0.010	0.350	0.035	135.601	TRUE	2.94E-30
Overall asthma	ALOX12	cg25987502	rs2920427	C	A	0.317	0.033	0.150	3.13E-22	0.027	0.013	0.038	0.025	93.962	TRUE	5.01E-21
Overall asthma	ALOX12	cg25987502	rs3218667	C	T	-0.670	0.023	0.432	6.06E-191	-0.004	0.010	0.700	0.190	868.292	TRUE	1.39E-175
Overall asthma	ALOX12	cg25987502	rs576747	T	C	-0.140	0.024	0.456	5.56E-09	0.000	0.010	0.990	0.009	33.965	TRUE	7.02E-09
Overall asthma	ALOX12	cg25987502	rs80152502	A	G	-0.410	0.073	0.053	1.63E-08	-0.033	0.022	0.120	0.009	31.870	TRUE	4.56E-08
Overall asthma	ALOX12	cg25987502	rs8075252	G	T	-0.217	0.023	0.448	2.55E-20	0.009	0.010	0.350	0.023	85.265	TRUE	1.24E-19
Overall asthma	ALOX15	cg03972219	rs11078528	A	G	0.290	0.026	0.283	1.14E-29	-0.017	0.011	0.120	0.033	127.906	TRUE	2.32E-28
Overall asthma	ALOX15	cg03972219	rs371029929	C	A	-0.287	0.027	0.254	2.37E-26	0.027	0.011	0.015	0.030	112.755	TRUE	8.56E-25
Overall asthma	ALOX15	cg05715138	rs34230287	T	C	0.184	0.028	0.240	3.93E-11	0.024	0.011	0.033	0.012	43.627	TRUE	2.11E-10
Overall asthma	ALOX15	cg11334406	rs9905711	G	A	-0.182	0.027	0.259	1.57E-11	0.027	0.011	0.015	0.012	45.424	TRUE	1.05E-10
Overall asthma	ALOX15	cg22249932	rs11078528	A	G	0.194	0.026	0.283	6.32E-14	-0.017	0.011	0.120	0.015	56.238	TRUE	2.93E-13
Overall asthma	ALOX15	cg22280258	rs11568061	A	G	0.155	0.028	0.245	1.72E-08	0.023	0.011	0.037	0.009	31.772	TRUE	6.57E-08
Overall asthma	ALOX15	cg22280258	rs2664592	G	C	-0.229	0.038	0.230	1.37E-09	0.008	0.012	0.500	0.010	36.686	TRUE	2.57E-09
Overall asthma	ALOX15	cg22280258	rs9890673	A	G	-0.398	0.059	0.043	1.86E-11	0.007	0.021	0.750	0.012	45.086	TRUE	3.19E-11
Overall asthma	AP1M2	cg01562385	rs12609501	G	T	0.288	0.025	0.294	8.29E-31	0.004	0.010	0.710	0.035	133.100	TRUE	5.41E-30
Overall asthma	AP1M2	cg01562385	rs34516961	G	A	0.223	0.031	0.158	1.27E-12	-0.008	0.013	0.520	0.013	50.342	TRUE	2.86E-12
Overall asthma	AP1M2	cg01562385	rs7252007	T	C	-0.238	0.033	0.145	9.34E-13	-0.001	0.014	0.970	0.014	50.951	TRUE	1.39E-12
Overall asthma	AP1M2	cg01654627	rs78671428	T	G	-0.451	0.041	0.082	8.23E-28	0.012	0.017	0.470	0.031	119.413	TRUE	5.85E-27
Overall asthma	AP1M2	cg07434260	rs10409805	C	A	0.264	0.031	0.188	7.04E-18	-0.006	0.012	0.610	0.020	74.164	TRUE	2.02E-17
Overall asthma	AP1M2	cg07434260	rs10411063	A	G	-0.424	0.033	0.144	7.09E-37	0.001	0.014	0.970	0.042	160.842	TRUE	5.19E-36
Overall asthma	AP1M2	cg07434260	rs11085734	A	G	0.141	0.024	0.498	2.39E-09	0.003	0.010	0.780	0.010	35.611	TRUE	3.57E-09
Overall asthma	AP1M2	cg07434260	rs114238717	T	C	0.395	0.069	0.028	1.03E-08	0.009	0.026	0.730	0.009	32.757	TRUE	1.56E-08
Overall asthma	AP1M2	cg07434260	rs147622113	T	C	-0.419	0.073	0.029	8.70E-09	0.020	0.028	0.480	0.009	33.094	TRUE	1.61E-08
Overall asthma	AP1M2	cg07434260	rs28600132	G	T	0.173	0.024	0.396	1.25E-12	0.028	0.010	0.004	0.013	50.382	TRUE	1.26E-11
Overall asthma	AP1M2	cg07434260	rs4804540	A	T	0.233	0.035	0.121	4.81E-11	0.027	0.014	0.057	0.012	43.230	TRUE	2.19E-10
Overall asthma	AP1M2	cg07434260	rs59614858	T	G	-0.324	0.051	0.053	2.81E-10	-0.008	0.021	0.720	0.011	39.783	TRUE	4.61E-10
Overall asthma	AP1M2	cg07434260	rs7258256	G	A	0.346	0.025	0.296	5.47E-44	0.005	0.010	0.620	0.050	193.396	TRUE	1.44E-42
Overall asthma	AP1M2	cg07434260	rs78256348	T	C	-0.249	0.030	0.199	3.93E-17	-0.025	0.012	0.037	0.019	70.772	TRUE	3.71E-16
Overall asthma	AP1M2	cg08148553	rs10408934	A	G	-0.269	0.031	0.165	1.02E-17	0.023	0.013	0.069	0.019	73.440	TRUE	7.92E-17
Overall asthma	AP1M2	cg08148553	rs10411063	A	G	-0.488	0.033	0.144	1.13E-48	0.001	0.014	0.970	0.055	214.851	TRUE	2.61E-47
Overall asthma	AP1M2	cg08148553	rs11085734	A	G	0.161	0.024	0.498	7.68E-12	0.003	0.010	0.780	0.012	46.820	TRUE	1.30E-11
Overall asthma	AP1M2	cg08148553	rs12609501	G	T	0.516	0.025	0.294	2.08E-97	0.004	0.010	0.710	0.106	438.462	TRUE	1.29E-92
Overall asthma	AP1M2	cg08148553	rs150696463	T	C	0.438	0.068	0.030	1.50E-10	0.007	0.026	0.800	0.011	41.007	TRUE	2.33E-10
Overall asthma	AP1M2	cg08148553	rs1821280	A	G	0.216	0.030	0.192	1.16E-12	-0.008	0.012	0.510	0.013	50.529	TRUE	2.63E-12

Overall asthma	AP1M2	cg08148553	rs34516961	G	A	0.325	0.032	0.158	5.76E-25	-0.008	0.013	0.520	0.028	106.434	TRUE	3.06E-24
Overall asthma	AP1M2	cg08148553	rs3786717	C	T	-0.146	0.023	0.437	3.56E-10	0.009	0.010	0.370	0.011	39.320	TRUE	8.02E-10
Overall asthma	AP1M2	cg08148553	rs73496568	A	C	-0.280	0.029	0.203	1.30E-21	-0.026	0.012	0.033	0.024	91.147	TRUE	2.11E-20
Overall asthma	AP1M2	cg08148553	rs73500697	A	G	-0.303	0.050	0.055	1.73E-09	-0.008	0.021	0.700	0.010	36.237	TRUE	2.77E-09
Overall asthma	AP1M2	cg11657665	rs12985734	G	A	-0.289	0.025	0.294	9.64E-31	0.004	0.010	0.730	0.035	132.800	TRUE	6.05E-30
Overall asthma	AP1M2	cg11657665	rs187371841	T	C	-0.516	0.040	0.088	8.63E-38	0.011	0.017	0.530	0.043	165.026	TRUE	1.43E-36
Overall asthma	AP1M2	cg11657665	rs34883264	T	A	-0.153	0.025	0.324	6.02E-10	0.015	0.010	0.130	0.010	38.293	TRUE	1.91E-09
Overall asthma	AP1M2	cg11657665	rs35769432	A	G	0.572	0.030	0.192	3.85E-82	-0.008	0.012	0.500	0.091	368.361	TRUE	2.60E-78
Overall asthma	AP1M2	cg11657665	rs76186695	T	G	0.269	0.030	0.195	1.01E-19	0.033	0.012	0.007	0.022	82.543	TRUE	2.20E-18
Overall asthma	AP1M2	cg11657665	rs77357022	A	G	-0.290	0.043	0.074	2.54E-11	0.008	0.018	0.640	0.012	44.475	TRUE	4.66E-11
Overall asthma	AP1M2	cg14985481	rs12985734	G	A	0.149	0.025	0.294	1.75E-09	0.004	0.010	0.730	0.010	36.210	TRUE	2.76E-09
Overall asthma	AP1M2	cg14985481	rs4804509	G	A	-0.306	0.030	0.188	2.63E-24	-0.007	0.012	0.590	0.027	103.422	TRUE	1.21E-23
Overall asthma	AP1M2	cg15555932	rs10411063	A	G	-0.618	0.033	0.144	2.08E-78	0.001	0.014	0.970	0.087	351.226	TRUE	2.48E-75
Overall asthma	AP1M2	cg15555932	rs10422687	G	C	0.350	0.031	0.187	2.57E-30	-0.006	0.012	0.640	0.034	130.855	TRUE	1.77E-29
Overall asthma	AP1M2	cg15555932	rs11085734	A	G	0.174	0.024	0.498	1.38E-13	0.003	0.010	0.780	0.015	54.697	TRUE	2.56E-13
Overall asthma	AP1M2	cg15555932	rs11671812	T	C	-0.434	0.055	0.044	2.38E-15	-0.009	0.022	0.690	0.017	62.687	TRUE	5.23E-15
Overall asthma	AP1M2	cg15555932	rs12609501	G	T	0.533	0.025	0.294	6.65E-105	0.004	0.010	0.710	0.113	472.882	TRUE	1.81E-99
Overall asthma	AP1M2	cg15555932	rs12710257	A	G	-0.207	0.028	0.219	2.91E-13	0.041	0.012	4.90E-04	0.014	53.236	TRUE	4.57E-12
Overall asthma	AP1M2	cg15555932	rs147622113	T	C	-0.428	0.073	0.029	4.32E-09	0.020	0.028	0.480	0.009	34.455	TRUE	8.17E-09
Overall asthma	AP1M2	cg15555932	rs150696463	T	C	0.571	0.068	0.030	5.85E-17	0.007	0.026	0.800	0.019	69.990	TRUE	1.27E-16
Overall asthma	AP1M2	cg15555932	rs1799898	T	C	0.211	0.034	0.137	3.74E-10	0.011	0.014	0.450	0.010	39.222	TRUE	7.88E-10
Overall asthma	AP1M2	cg15555932	rs34516961	G	A	0.349	0.031	0.158	1.34E-28	-0.008	0.013	0.520	0.032	123.012	TRUE	9.57E-28
Overall asthma	AP1M2	cg15555932	rs3745255	A	G	-0.288	0.025	0.340	1.72E-30	-0.016	0.010	0.110	0.034	131.651	TRUE	4.05E-29
Overall asthma	AP1M2	cg15555932	rs4804521	A	G	-0.513	0.080	0.021	1.69E-10	0.073	0.032	0.025	0.011	40.769	TRUE	9.04E-10
Overall asthma	AP1M2	cg15555932	rs62128794	A	G	-0.461	0.054	0.048	9.06E-18	-0.038	0.021	0.065	0.020	73.667	TRUE	7.33E-17
Overall asthma	AP1M2	cg16589555	rs12710256	C	T	-0.395	0.052	0.059	2.68E-14	-0.011	0.022	0.600	0.015	57.924	TRUE	6.02E-14
Overall asthma	AP1M2	cg23652172	rs8113212	A	G	-0.157	0.026	0.261	1.63E-09	0.038	0.011	5.30E-04	0.010	36.353	TRUE	1.50E-08
Overall asthma	AP1M2	cg26292442	rs7248205	C	T	0.136	0.024	0.400	1.36E-08	0.026	0.010	0.007	0.009	32.231	TRUE	7.08E-08
Overall asthma	AP1M2	cg26999505	rs12978228	T	G	-0.394	0.030	0.188	2.47E-39	-0.007	0.012	0.590	0.044	172.087	TRUE	4.19E-38
Overall asthma	AP1M2	cg26999505	rs12985008	T	C	0.136	0.025	0.290	4.39E-08	0.000	0.011	0.970	0.008	29.953	TRUE	5.44E-08
Overall asthma	AP1M2	cg27104822	rs10411063	A	G	-0.289	0.033	0.144	5.18E-18	0.001	0.014	0.970	0.020	74.770	TRUE	1.00E-17
Overall asthma	AP1M2	cg27104822	rs12976824	G	A	0.327	0.025	0.294	2.66E-39	0.003	0.010	0.760	0.044	171.940	TRUE	3.41E-38
Overall asthma	AP1M2	cg27104822	rs28600132	G	T	0.155	0.024	0.396	1.89E-10	0.028	0.010	0.004	0.011	40.558	TRUE	1.44E-09
Overall asthma	AP1M2	cg27104822	rs56135394	A	T	0.264	0.036	0.121	1.28E-13	0.008	0.015	0.590	0.015	54.848	TRUE	2.83E-13
Overall asthma	AP1S3	cg03341091	rs28631964	A	C	-0.207	0.024	0.379	1.92E-18	0.025	0.010	0.012	0.020	76.725	TRUE	2.99E-17
Overall asthma	AP1S3	cg05103387	rs3738961	C	G	-0.140	0.024	0.379	4.06E-09	0.028	0.010	0.005	0.009	34.574	TRUE	2.50E-08
Overall asthma	AP1S3	cg07813214	rs12694622	A	G	-0.296	0.024	0.380	1.21E-35	0.024	0.010	0.017	0.040	155.209	TRUE	1.34E-33
Overall asthma	AP1S3	cg07813214	rs6747195	G	A	0.234	0.041	0.092	8.64E-09	-0.024	0.017	0.160	0.009	33.107	TRUE	2.36E-08
Overall asthma	AP1S3	cg10413944	rs35990446	A	G	0.199	0.033	0.142	1.07E-09	-0.028	0.014	0.045	0.010	37.165	TRUE	4.45E-09
Overall asthma	AP1S3	cg10413944	rs3738961	C	G	-0.311	0.023	0.379	2.52E-40	0.028	0.010	0.005	0.046	176.624	TRUE	8.13E-38
Overall asthma	AP1S3	cg10413944	rs4435445	A	G	-0.162	0.030	0.186	3.98E-08	-0.010	0.012	0.430	0.008	30.142	TRUE	7.43E-08
Overall asthma	AP1S3	cg17569486	rs11546405	G	A	-0.211	0.033	0.142	1.17E-10	-0.026	0.014	0.054	0.011	41.499	TRUE	4.90E-10

Overall asthma	AP1S3	cg17569486	rs116000059	A	C	0.323	0.054	0.040	2.26E-09	0.040	0.024	0.093	0.010	35.716	TRUE	7.49E-09
Overall asthma	AP1S3	cg17569486	rs11689646	T	G	0.176	0.024	0.386	1.46E-13	-0.001	0.010	0.910	0.015	54.599	TRUE	2.39E-13
Overall asthma	AP1S3	cg17569486	rs12373615	G	A	0.592	0.022	0.381	3.18E-153	0.025	0.010	0.010	0.158	694.902	TRUE	1.68E-140
Overall asthma	AP1S3	cg17569486	rs13022532	C	G	-0.306	0.045	0.144	7.16E-12	0.004	0.013	0.790	0.013	46.959	TRUE	1.20E-11
Overall asthma	AP1S3	cg17569486	rs2894515	T	C	-0.202	0.037	0.109	4.96E-08	-0.016	0.017	0.350	0.008	29.715	TRUE	9.91E-08
Overall asthma	AP1S3	cg17569486	rs3187727	T	A	-0.334	0.040	0.086	5.22E-17	-0.029	0.017	0.089	0.019	70.215	TRUE	3.61E-16
Overall asthma	AP1S3	cg17569486	rs4435445	A	G	0.242	0.029	0.186	2.08E-16	-0.010	0.012	0.430	0.018	67.493	TRUE	6.71E-16
Overall asthma	AP1S3	cg17569486	rs66930439	C	A	-0.231	0.031	0.168	1.77E-13	-0.013	0.013	0.290	0.014	54.213	TRUE	5.39E-13
Overall asthma	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	-0.018	0.028	0.520	0.014	53.476	TRUE	6.04E-13
Overall asthma	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	-0.015	0.010	0.120	0.014	51.210	TRUE	3.48E-12
Overall asthma	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	-0.014	0.010	0.150	0.017	65.306	TRUE	3.15E-15
Overall asthma	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	0.081	0.028	0.004	0.014	51.552	TRUE	7.21E-12
Overall asthma	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	-0.035	0.016	0.027	0.024	92.082	TRUE	1.37E-20
Overall asthma	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	0.000	0.011	0.980	0.009	33.796	TRUE	7.71E-09
Overall asthma	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	-0.021	0.025	0.400	0.011	42.261	TRUE	1.80E-10
Overall asthma	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	-0.043	0.024	0.076	0.014	52.151	TRUE	2.56E-12
Overall asthma	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	-0.003	0.012	0.810	0.010	37.052	TRUE	1.69E-09
Overall asthma	AP3B2	cg14907737	rs7181761	G	A	-0.137	0.024	0.369	2.16E-08	-0.002	0.010	0.830	0.008	31.325	TRUE	2.98E-08
Overall asthma	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	-0.058	0.035	0.091	0.037	142.831	TRUE	2.01E-31
Overall asthma	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	0.058	0.028	0.042	0.025	93.851	TRUE	5.25E-21
Overall asthma	AP3B2	cg18253757	rs4513065	G	C	0.174	0.030	0.198	4.93E-09	-0.003	0.012	0.810	0.009	34.197	TRUE	7.08E-09
Overall asthma	AP3B2	cg18253757	rs62009945	A	T	-0.145	0.025	0.309	1.07E-08	-0.004	0.011	0.690	0.009	32.690	TRUE	1.64E-08
Overall asthma	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	-0.010	0.012	0.410	0.008	29.857	TRUE	8.53E-08
Overall asthma	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	-0.014	0.010	0.150	0.015	56.581	TRUE	2.26E-13
Overall asthma	AP3B2	cg20194856	rs4513065	G	C	0.197	0.029	0.198	2.53E-11	-0.003	0.012	0.810	0.012	44.483	TRUE	4.04E-11
Overall asthma	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	-0.001	0.011	0.960	0.008	29.766	TRUE	6.04E-08
Overall asthma	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	-0.001	0.012	0.920	0.017	62.195	TRUE	5.34E-15
Overall asthma	AP3B2	cg21071896	rs12902742	A	T	0.442	0.043	0.082	2.99E-25	-0.021	0.017	0.220	0.028	107.728	TRUE	2.90E-24
Overall asthma	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	0.005	0.039	0.900	0.113	469.497	TRUE	5.00E-99
Overall asthma	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	-0.027	0.025	0.280	0.021	79.528	TRUE	2.31E-18
Overall asthma	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	-0.002	0.011	0.860	0.010	36.068	TRUE	2.68E-09
Overall asthma	AP3B2	cg21071896	rs7184045	C	G	0.231	0.025	0.340	1.72E-20	-0.004	0.010	0.690	0.023	86.038	TRUE	5.27E-20
Overall asthma	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	-0.006	0.018	0.730	0.016	59.989	TRUE	1.92E-14
Overall asthma	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	-0.001	0.012	0.920	0.013	48.151	TRUE	5.87E-12
Overall asthma	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	-0.002	0.012	0.890	0.018	67.773	TRUE	3.48E-16
Overall asthma	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	0.000	0.011	0.970	0.013	47.149	TRUE	9.32E-12
Overall asthma	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	-0.001	0.012	0.920	0.020	74.575	TRUE	1.15E-17
Overall asthma	AP3M1	cg15023646	rs34885185	C	T	0.134	0.024	0.390	1.66E-08	-0.012	0.010	0.230	0.009	31.843	TRUE	3.99E-08
Overall asthma	AP3M1	cg26469011	rs12357316	A	G	-0.203	0.023	0.498	2.60E-18	-0.022	0.010	0.023	0.020	76.132	TRUE	3.35E-17
Overall asthma	AP3M1	cg26469011	rs143812518	T	C	-0.344	0.036	0.267	3.14E-22	0.070	0.120	0.560	0.025	93.960	TRUE	1.28E-21
Overall asthma	AP3M1	cg26469011	rs4746209	T	G	-0.235	0.025	0.312	3.58E-21	-0.002	0.010	0.850	0.024	89.146	TRUE	9.47E-21
Overall asthma	AP3M1	cg26469011	rs60942669	A	G	-0.355	0.048	0.065	1.52E-13	-0.007	0.019	0.740	0.015	54.518	TRUE	2.91E-13

Overall asthma	AP3M1	cg26469011	rs6480719	G	T	-0.494	0.026	0.265	3.62E-82	-0.024	0.011	0.024	0.091	368.485	TRUE	3.63E-77
Overall asthma	AP3M1	cg26469011	rs7098444	C	T	-0.134	0.024	0.409	1.30E-08	-0.023	0.010	0.018	0.009	32.318	TRUE	5.84E-08
Overall asthma	AP3M1	cg26469011	rs839696	G	A	-0.189	0.028	0.244	9.90E-12	-0.013	0.011	0.220	0.012	46.323	TRUE	2.99E-11
Overall asthma	AP3S2	cg02349866	rs12148691	A	C	0.252	0.027	0.265	8.49E-21	-0.010	0.011	0.370	0.023	87.438	TRUE	4.16E-20
Overall asthma	AP3S2	cg02349866	rs1962662	T	C	-0.503	0.028	0.225	8.93E-73	0.015	0.012	0.190	0.081	325.379	TRUE	3.46E-69
Overall asthma	AP3S2	cg02349866	rs28409374	T	C	0.276	0.028	0.204	3.18E-22	0.008	0.012	0.500	0.025	93.933	TRUE	1.42E-21
Overall asthma	AP3S2	cg03039025	rs11638276	G	C	0.242	0.042	0.170	8.97E-09	-0.020	0.013	0.110	0.009	33.035	TRUE	2.62E-08
Overall asthma	AP3S2	cg03039025	rs118177986	T	C	0.428	0.075	0.063	1.39E-08	0.012	0.019	0.530	0.009	32.187	TRUE	2.43E-08
Overall asthma	AP3S2	cg03039025	rs12898828	T	A	-0.378	0.045	0.069	6.57E-17	-0.004	0.018	0.830	0.019	69.760	TRUE	1.37E-16
Overall asthma	AP3S2	cg03039025	rs2043881	A	G	0.642	0.022	0.430	1.69E-190	0.022	0.010	0.026	0.190	866.247	TRUE	5.34E-173
Overall asthma	AP3S2	cg03039025	rs4932250	A	G	0.343	0.049	0.106	3.07E-12	0.020	0.016	0.210	0.013	48.616	TRUE	1.01E-11
Overall asthma	AP3S2	cg03039025	rs540857441	A	G	0.341	0.059	0.046	6.83E-09	-0.002	0.023	0.940	0.009	33.564	TRUE	8.90E-09
Overall asthma	AP3S2	cg05640721	rs12898828	T	A	-0.268	0.046	0.069	5.49E-09	-0.004	0.018	0.830	0.009	33.988	TRUE	7.74E-09
Overall asthma	AP3S2	cg05640721	rs2043881	A	G	0.457	0.023	0.430	1.37E-88	0.022	0.010	0.026	0.097	397.964	TRUE	5.50E-83
Overall asthma	AP3S2	cg05640721	rs540857441	A	G	0.324	0.059	0.046	4.72E-08	-0.002	0.023	0.940	0.008	29.810	TRUE	5.96E-08
Overall asthma	AP3S2	cg12732791	rs1910587	C	A	-0.321	0.023	0.429	3.93E-45	0.022	0.010	0.021	0.051	198.635	TRUE	1.19E-42
Overall asthma	AP3S2	cg19708238	rs7169019	G	T	0.255	0.023	0.437	2.73E-29	0.023	0.010	0.017	0.033	126.169	TRUE	1.28E-27
Overall asthma	AP3S2	cg21576154	rs12898828	T	A	-0.333	0.046	0.069	4.72E-13	-0.004	0.018	0.830	0.014	52.288	TRUE	8.03E-13
Overall asthma	AP3S2	cg21576154	rs2043881	A	G	0.608	0.022	0.430	5.25E-161	0.022	0.010	0.026	0.165	730.673	TRUE	1.37E-147
Overall asthma	AP3S2	cg21576154	rs4932250	A	G	0.320	0.051	0.106	3.34E-10	0.020	0.016	0.210	0.011	39.443	TRUE	9.34E-10
Overall asthma	AP3S2	cg21576154	rs540857441	A	G	0.350	0.060	0.046	3.95E-09	-0.002	0.023	0.940	0.009	34.629	TRUE	5.20E-09
Overall asthma	AP3S2	cg23007087	rs2028299	C	A	-0.156	0.026	0.275	1.46E-09	-0.008	0.011	0.470	0.010	36.569	TRUE	2.81E-09
Overall asthma	ARRB2	cg00122941	rs11078528	A	G	-0.201	0.026	0.283	6.66E-15	-0.017	0.011	0.120	0.016	60.663	TRUE	3.37E-14
Overall asthma	ARRB2	cg00122941	rs12150491	C	T	-0.190	0.033	0.357	9.28E-09	0.002	0.010	0.840	0.009	32.968	TRUE	1.30E-08
Overall asthma	ARRB2	cg00122941	rs12450565	T	C	0.201	0.029	0.212	2.12E-12	0.023	0.012	0.051	0.013	49.342	TRUE	1.10E-11
Overall asthma	ARRB2	cg00122941	rs17765093	T	C	0.264	0.026	0.284	2.87E-24	0.015	0.011	0.160	0.027	103.253	TRUE	2.88E-23
Overall asthma	ARRB2	cg00122941	rs34230287	T	C	0.744	0.026	0.240	2.03E-174	0.024	0.011	0.033	0.176	792.326	TRUE	2.65E-159
Overall asthma	ARRB2	cg02286380	rs11078528	A	G	0.261	0.026	0.283	3.20E-24	-0.017	0.011	0.120	0.027	103.035	TRUE	3.81E-23
Overall asthma	ARRB2	cg02286380	rs11568061	A	G	-0.934	0.023	0.245	<1E-200	0.023	0.011	0.037	0.301	1590.258	TRUE	4.45E-301
Overall asthma	ARRB2	cg02286380	rs12150153	T	C	-0.192	0.031	0.177	4.28E-10	-0.006	0.012	0.630	0.010	38.958	TRUE	7.49E-10
Overall asthma	ARRB2	cg02286380	rs12150491	C	T	0.206	0.033	0.357	5.46E-10	0.002	0.010	0.840	0.010	38.486	TRUE	8.05E-10
Overall asthma	ARRB2	cg02286380	rs12450540	A	C	0.216	0.038	0.410	1.05E-08	-0.022	0.010	0.028	0.009	32.734	TRUE	4.40E-08
Overall asthma	ARRB2	cg02286380	rs12450565	T	C	-0.239	0.029	0.212	6.37E-17	0.023	0.012	0.051	0.019	69.822	TRUE	5.16E-16
Overall asthma	ARRB2	cg02286380	rs17765093	T	C	-0.316	0.026	0.284	3.79E-34	0.015	0.011	0.160	0.039	148.368	TRUE	1.01E-32
Overall asthma	ARRB2	cg02286380	rs1876444	T	C	-0.273	0.023	0.465	7.77E-32	0.000	0.010	0.980	0.036	137.797	TRUE	3.69E-31
Overall asthma	ARRB2	cg02286380	rs4790222	T	A	0.381	0.046	0.070	1.07E-16	0.012	0.018	0.510	0.018	68.802	TRUE	3.17E-16
Overall asthma	ARRB2	cg02286380	rs7221871	A	G	0.180	0.024	0.347	1.46E-13	-0.023	0.010	0.020	0.015	54.594	TRUE	1.11E-12
Overall asthma	ARRB2	cg02286380	rs77627231	T	C	0.249	0.044	0.152	1.93E-08	-0.007	0.013	0.560	0.008	31.546	TRUE	3.23E-08
Overall asthma	ARRB2	cg07971820	rs11078528	A	G	0.216	0.026	0.283	5.38E-17	-0.017	0.011	0.120	0.019	70.154	TRUE	3.28E-16
Overall asthma	ARRB2	cg07971820	rs12450565	T	C	-0.186	0.029	0.212	8.35E-11	0.023	0.012	0.051	0.011	42.151	TRUE	3.69E-10
Overall asthma	ARRB2	cg07971820	rs28365158	C	T	-0.815	0.026	0.241	2.24E-214	0.025	0.011	0.028	0.209	976.028	TRUE	3.32E-193
Overall asthma	ARRB2	cg07971820	rs35376679	T	A	0.299	0.044	0.080	8.71E-12	0.023	0.017	0.160	0.012	46.574	TRUE	2.95E-11

Overall asthma	ARRB2	cg07971820	rs4790224	A	G	-0.229	0.025	0.350	3.61E-20	0.020	0.010	0.050	0.022	84.579	TRUE	4.34E-19
Overall asthma	ARRB2	cg07971820	rs7221871	A	G	0.139	0.024	0.347	1.21E-08	-0.023	0.010	0.020	0.009	32.451	TRUE	5.27E-08
Overall asthma	ARRB2	cg13466002	rs11078528	A	G	0.144	0.026	0.283	2.13E-08	-0.017	0.011	0.120	0.008	31.354	TRUE	6.04E-08
Overall asthma	ARRB2	cg13466002	rs17765093	T	C	-0.158	0.026	0.284	1.09E-09	0.015	0.011	0.160	0.010	37.145	TRUE	3.11E-09
Overall asthma	ARRB2	cg13466002	rs4522461	T	G	-0.471	0.027	0.241	1.97E-67	0.025	0.011	0.028	0.075	300.861	TRUE	1.72E-63
Overall asthma	ARRB2	cg16472369	rs35376679	T	A	0.443	0.043	0.080	2.13E-24	0.023	0.017	0.160	0.027	103.839	TRUE	2.14E-23
Overall asthma	ARRB2	cg16472369	rs7210953	T	C	-0.360	0.027	0.247	3.25E-40	0.022	0.011	0.042	0.045	176.118	TRUE	3.71E-38
Overall asthma	ARRB2	cg19197139	rs11078528	A	G	-0.222	0.026	0.283	6.35E-18	-0.017	0.011	0.120	0.020	74.369	TRUE	4.20E-17
Overall asthma	ARRB2	cg19197139	rs12150153	T	C	0.174	0.031	0.177	1.41E-08	-0.006	0.012	0.630	0.009	32.155	TRUE	2.28E-08
Overall asthma	ARRB2	cg19197139	rs12150491	C	T	-0.229	0.033	0.357	3.57E-12	0.002	0.010	0.840	0.013	48.320	TRUE	5.84E-12
Overall asthma	ARRB2	cg19197139	rs12450565	T	C	0.203	0.028	0.212	1.03E-12	0.023	0.012	0.051	0.014	50.752	TRUE	5.53E-12
Overall asthma	ARRB2	cg19197139	rs17765093	T	C	0.281	0.026	0.284	1.73E-27	0.015	0.011	0.160	0.031	117.941	TRUE	2.35E-26
Overall asthma	ARRB2	cg19197139	rs17823987	C	A	-0.303	0.045	0.139	2.21E-11	-0.012	0.013	0.370	0.012	44.753	TRUE	5.50E-11
Overall asthma	ARRB2	cg19197139	rs2036655	A	G	-0.204	0.035	0.113	5.87E-09	0.012	0.015	0.430	0.009	33.857	TRUE	1.16E-08
Overall asthma	ARRB2	cg19197139	rs34230287	T	C	0.912	0.026	0.240	3.62E-279	0.024	0.011	0.033	0.256	1273.976	TRUE	1.23E-246
Overall asthma	ARRB2	cg19197139	rs7221871	A	G	-0.175	0.024	0.347	5.52E-13	-0.023	0.010	0.020	0.014	51.981	TRUE	3.93E-12
Overall asthma	ARRB2	cg19197139	rs8077825	G	A	-0.228	0.035	0.150	5.79E-11	0.004	0.014	0.760	0.011	42.866	TRUE	9.51E-11
Overall asthma	ARRB2	cg24831541	rs11078528	A	G	0.231	0.026	0.283	3.38E-19	-0.017	0.011	0.120	0.021	80.157	TRUE	2.51E-18
Overall asthma	ARRB2	cg24831541	rs113609358	T	C	-0.577	0.056	0.049	5.99E-25	-0.012	0.022	0.570	0.028	106.355	TRUE	2.88E-24
Overall asthma	ARRB2	cg24831541	rs11568141	T	C	-0.323	0.051	0.113	2.26E-10	0.008	0.015	0.590	0.011	40.208	TRUE	4.15E-10
Overall asthma	ARRB2	cg24831541	rs12450565	T	C	-0.187	0.029	0.212	6.99E-11	0.023	0.012	0.051	0.011	42.499	TRUE	3.11E-10
Overall asthma	ARRB2	cg24831541	rs1986349	A	G	-0.146	0.023	0.466	4.00E-10	-0.004	0.010	0.680	0.010	39.090	TRUE	6.72E-10
Overall asthma	ARRB2	cg24831541	rs3744700	T	G	-0.198	0.024	0.363	4.99E-16	0.010	0.010	0.300	0.017	65.763	TRUE	1.83E-15
Overall asthma	ARRB2	cg24831541	rs8071086	G	A	-0.739	0.025	0.297	5.73E-196	0.025	0.011	0.016	0.194	891.393	TRUE	1.19E-177
Overall asthma	ARSG	cg00970435	rs1558877	T	C	0.135	0.024	0.479	1.03E-08	-0.030	0.010	0.002	0.009	32.770	TRUE	7.14E-08
Overall asthma	ARSG	cg00970435	rs72490435	A	T	-0.259	0.046	0.070	2.22E-08	0.038	0.018	0.037	0.008	31.279	TRUE	8.46E-08
Overall asthma	ARSG	cg00970435	rs75850252	T	C	-1.393	0.094	0.015	4.08E-50	-0.003	0.040	0.940	0.056	221.463	TRUE	1.15E-48
Overall asthma	ARSG	cg04938381	rs2160725	C	A	-0.186	0.023	0.479	1.11E-15	-0.008	0.010	0.420	0.017	64.186	TRUE	3.42E-15
Overall asthma	ARSG	cg04938381	rs7208386	A	G	0.200	0.023	0.478	1.65E-17	-0.025	0.010	0.010	0.019	72.487	TRUE	2.50E-16
Overall asthma	ARSG	cg05505961	rs72490435	A	T	-0.272	0.046	0.070	3.92E-09	0.038	0.018	0.037	0.009	34.646	TRUE	1.63E-08
Overall asthma	ARSG	cg11879514	rs12940934	G	C	0.440	0.047	0.064	8.79E-21	-0.023	0.020	0.250	0.023	87.369	TRUE	5.33E-20
Overall asthma	ARSG	cg11879514	rs12951791	T	C	-0.179	0.026	0.299	4.14E-12	0.018	0.010	0.078	0.013	48.031	TRUE	1.93E-11
Overall asthma	ARSG	cg11879514	rs1860037	G	A	0.399	0.025	0.309	1.35E-56	-0.006	0.010	0.580	0.064	251.167	TRUE	1.72E-54
Overall asthma	ARSG	cg11879514	rs34927084	A	G	-0.365	0.062	0.075	3.61E-09	0.006	0.018	0.760	0.009	34.803	TRUE	5.45E-09
Overall asthma	ARSG	cg11879514	rs79170743	G	T	-0.535	0.033	0.141	1.41E-60	-0.006	0.014	0.670	0.068	269.427	TRUE	2.37E-58
Overall asthma	ARSG	cg11879514	rs79677880	G	A	-0.451	0.058	0.047	1.06E-14	0.003	0.022	0.890	0.016	59.741	TRUE	1.88E-14
Overall asthma	ARSG	cg12509712	rs11658645	A	G	-0.921	0.032	0.143	6.07E-185	0.003	0.013	0.800	0.185	840.706	TRUE	1.46E-170
Overall asthma	ARSG	cg12509712	rs140056144	T	C	-1.483	0.138	0.014	4.77E-27	-0.044	0.041	0.280	0.030	115.932	TRUE	4.62E-26
Overall asthma	ARSG	cg12509712	rs7210209	G	C	-0.155	0.024	0.416	7.38E-11	0.011	0.010	0.240	0.011	42.393	TRUE	2.02E-10
Overall asthma	ARSG	cg13093111	rs12939053	C	A	-0.157	0.026	0.293	1.19E-09	-0.007	0.011	0.530	0.010	36.971	TRUE	2.17E-09
Overall asthma	ARSG	cg13093111	rs2362734	G	A	-0.462	0.043	0.086	1.93E-26	0.014	0.018	0.430	0.030	113.159	TRUE	1.32E-25
Overall asthma	ARSG	cg13093111	rs34927084	A	G	-0.678	0.061	0.075	1.47E-28	0.006	0.018	0.760	0.032	122.830	TRUE	7.35E-28

Overall asthma	ARSG	cg13093111	rs62088762	T	C	-0.192	0.024	0.404	1.60E-15	0.018	0.010	0.067	0.017	63.471	TRUE	1.06E-14
Overall asthma	ARSG	cg15308737	rs12940934	G	C	0.420	0.047	0.064	3.97E-19	-0.023	0.020	0.250	0.021	79.842	TRUE	2.10E-18
Overall asthma	ARSG	cg15308737	rs12942630	G	A	0.441	0.079	0.028	2.81E-08	0.011	0.028	0.680	0.008	30.816	TRUE	4.26E-08
Overall asthma	ARSG	cg15308737	rs2903997	G	A	0.437	0.025	0.306	4.64E-68	-0.006	0.010	0.550	0.076	303.741	TRUE	3.05E-65
Overall asthma	ARSG	cg15308737	rs62085864	G	A	0.154	0.024	0.422	9.27E-11	0.019	0.010	0.048	0.011	41.946	TRUE	4.19E-10
Overall asthma	ARSG	cg15308737	rs7226220	T	A	0.339	0.062	0.064	3.86E-08	0.021	0.021	0.310	0.008	30.204	TRUE	8.00E-08
Overall asthma	ARSG	cg15308737	rs79170743	G	T	-0.432	0.033	0.141	5.67E-40	-0.006	0.014	0.670	0.045	175.014	TRUE	8.81E-39
Overall asthma	ARSG	cg15308737	rs79677880	G	A	-0.447	0.058	0.047	1.72E-14	0.003	0.022	0.890	0.016	58.795	TRUE	3.00E-14
Overall asthma	ARSG	cg27366162	rs9904958	A	C	-0.159	0.024	0.416	3.79E-11	0.020	0.010	0.041	0.012	43.694	TRUE	1.90E-10
Overall asthma	ATF3	cg03970567	rs1008737	G	C	-0.448	0.033	0.128	2.53E-41	0.000	0.014	1.000	0.047	181.199	TRUE	2.63E-40
Overall asthma	ATF3	cg03970567	rs114197810	T	G	-0.716	0.096	0.028	6.55E-14	0.005	0.028	0.850	0.015	56.170	TRUE	1.14E-13
Overall asthma	ATF3	cg03970567	rs114351967	T	C	-0.462	0.079	0.020	4.18E-09	0.048	0.031	0.120	0.009	34.517	TRUE	1.27E-08
Overall asthma	ATF3	cg03970567	rs116604459	C	T	0.327	0.057	0.044	1.09E-08	-0.039	0.022	0.081	0.009	32.657	TRUE	3.59E-08
Overall asthma	ATF3	cg03970567	rs12066052	A	C	0.231	0.025	0.336	1.52E-20	0.023	0.010	0.026	0.023	86.289	TRUE	2.47E-19
Overall asthma	ATF3	cg03970567	rs12073226	T	C	-0.509	0.034	0.129	2.40E-50	-0.017	0.014	0.210	0.057	222.518	TRUE	3.45E-48
Overall asthma	ATF3	cg03970567	rs12120031	C	T	0.298	0.032	0.159	3.88E-21	-0.015	0.013	0.240	0.023	88.985	TRUE	2.43E-20
Overall asthma	ATF3	cg03970567	rs12729140	C	T	-1.257	0.026	0.145	<1E-200	-0.037	0.013	0.006	0.391	2375.885	TRUE	<1E-200
Overall asthma	ATF3	cg03970567	rs17019438	C	T	-0.248	0.026	0.262	4.59E-21	-0.020	0.011	0.070	0.023	88.654	TRUE	5.16E-20
Overall asthma	ATF3	cg03970567	rs2456831	A	G	0.229	0.039	0.103	3.37E-09	-0.001	0.015	0.970	0.009	34.940	TRUE	4.35E-09
Overall asthma	ATF3	cg03970567	rs3122720	T	C	0.218	0.033	0.142	4.67E-11	-0.005	0.014	0.710	0.012	43.286	TRUE	8.03E-11
Overall asthma	ATF3	cg03970567	rs3125291	G	A	0.249	0.025	0.330	3.94E-23	0.025	0.010	0.011	0.026	98.066	TRUE	1.02E-21
Overall asthma	ATF3	cg03970567	rs35961366	G	T	-0.997	0.099	0.035	9.23E-24	-0.032	0.025	0.190	0.027	100.938	TRUE	8.17E-23
Overall asthma	ATF3	cg03970567	rs4951625	A	G	-0.966	0.081	0.023	8.89E-33	-0.081	0.036	0.024	0.037	142.101	TRUE	5.52E-31
Overall asthma	ATF3	cg03970567	rs507349	G	T	-0.221	0.024	0.430	9.80E-21	0.000	0.010	0.980	0.023	87.154	TRUE	2.17E-20
Overall asthma	ATF3	cg03970567	rs565099	A	G	-0.770	0.090	0.014	1.31E-17	-0.014	0.034	0.680	0.019	72.936	TRUE	3.37E-17
Overall asthma	ATF3	cg03970567	rs597459	G	A	-0.221	0.024	0.338	1.20E-19	-0.011	0.010	0.290	0.022	82.201	TRUE	6.35E-19
Overall asthma	ATF3	cg03970567	rs61830682	A	G	-0.556	0.084	0.022	3.69E-11	-0.051	0.028	0.067	0.012	43.747	TRUE	1.59E-10
Overall asthma	ATF3	cg03970567	rs61832379	C	T	0.178	0.027	0.254	3.77E-11	0.004	0.011	0.720	0.012	43.705	TRUE	6.52E-11
Overall asthma	ATF3	cg03970567	rs66505337	G	T	-0.157	0.027	0.253	4.37E-09	-0.018	0.011	0.098	0.009	34.434	TRUE	1.39E-08
Overall asthma	ATF3	cg03970567	rs79386729	A	G	-0.697	0.058	0.041	2.20E-33	-0.007	0.020	0.740	0.038	144.869	TRUE	1.68E-32
Overall asthma	ATF3	cg03970567	rs9308424	A	G	-0.163	0.025	0.329	5.34E-11	0.013	0.010	0.190	0.011	43.026	TRUE	1.64E-10
Overall asthma	ATF3	cg04323713	rs1001304	T	C	0.203	0.028	0.213	1.65E-13	-0.007	0.012	0.570	0.014	54.357	TRUE	3.68E-13
Overall asthma	ATF3	cg04323713	rs10863957	C	T	-0.176	0.028	0.224	3.65E-10	-0.029	0.012	0.012	0.011	39.273	TRUE	2.03E-09
Overall asthma	ATF3	cg04323713	rs115035134	A	C	-0.559	0.080	0.018	2.20E-12	-0.016	0.030	0.600	0.013	49.270	TRUE	4.52E-12
Overall asthma	ATF3	cg04323713	rs12144600	G	A	-0.304	0.052	0.053	4.17E-09	0.005	0.019	0.800	0.009	34.523	TRUE	6.09E-09
Overall asthma	ATF3	cg04323713	rs12410743	A	G	-0.294	0.039	0.110	3.32E-14	-0.011	0.015	0.460	0.015	57.506	TRUE	8.77E-14
Overall asthma	ATF3	cg04323713	rs143963349	A	T	-1.921	0.067	0.033	3.59E-178	-0.032	0.029	0.270	0.180	809.577	TRUE	9.36E-164
Overall asthma	ATF3	cg04323713	rs150509583	T	C	-0.605	0.055	0.049	5.16E-28	-0.035	0.020	0.081	0.032	120.341	TRUE	1.10E-26
Overall asthma	ATF3	cg04323713	rs4543871	C	T	-0.254	0.027	0.254	9.86E-21	0.014	0.011	0.200	0.023	87.143	TRUE	6.63E-20
Overall asthma	ATF3	cg04323713	rs681005	T	G	-0.151	0.024	0.401	2.04E-10	0.015	0.010	0.140	0.011	40.409	TRUE	6.86E-10
Overall asthma	ATF3	cg04323713	rs72754346	C	T	-0.327	0.056	0.047	7.33E-09	0.024	0.022	0.290	0.009	33.427	TRUE	1.68E-08
Overall asthma	ATF3	cg04323713	rs74620737	C	T	-0.583	0.071	0.059	1.98E-16	-0.005	0.019	0.780	0.018	67.586	TRUE	4.27E-16

Overall asthma	ATF3	cg04323713	rs79381401	A	G	-0.454	0.045	0.080	5.21E-24	-0.039	0.018	0.032	0.027	102.071	TRUE	1.09E-22
Overall asthma	ATF3	cg05036120	rs3123534	C	A	0.149	0.025	0.326	4.49E-09	-0.015	0.010	0.140	0.009	34.381	TRUE	1.32E-08
Overall asthma	ATF3	cg18174834	rs3125291	G	A	0.203	0.025	0.330	3.14E-16	0.025	0.010	0.011	0.018	66.679	TRUE	3.71E-15
Overall asthma	ATF3	cg18317154	rs685330	G	C	-0.143	0.025	0.330	8.27E-09	0.025	0.010	0.011	0.009	33.192	TRUE	4.09E-08
Overall asthma	ATF3	cg23534142	rs1001304	T	C	0.293	0.027	0.213	1.59E-26	-0.007	0.012	0.570	0.030	113.544	TRUE	8.75E-26
Overall asthma	ATF3	cg23534142	rs12744239	G	A	-0.199	0.024	0.365	2.08E-16	0.020	0.010	0.048	0.018	67.492	TRUE	1.73E-15
Overall asthma	ATF3	cg23534142	rs1663627	A	C	-0.192	0.030	0.179	2.29E-10	0.007	0.013	0.600	0.011	40.182	TRUE	4.12E-10
Overall asthma	ATF3	cg23534142	rs17019442	C	T	-0.292	0.040	0.095	2.23E-13	-0.029	0.016	0.079	0.014	53.766	TRUE	1.18E-12
Overall asthma	ATF3	cg23534142	rs183325637	T	C	-0.487	0.087	0.018	1.97E-08	-0.010	0.035	0.770	0.008	31.512	TRUE	2.83E-08
Overall asthma	ATF3	cg23534142	rs2292480	C	T	0.268	0.040	0.087	2.87E-11	-0.004	0.017	0.830	0.012	44.242	TRUE	4.51E-11
Overall asthma	ATF3	cg23534142	rs2884515	C	T	0.147	0.026	0.284	1.42E-08	-0.020	0.011	0.064	0.009	32.136	TRUE	4.75E-08
Overall asthma	ATF3	cg23534142	rs376490810	C	A	-2.284	0.147	0.015	1.41E-54	-0.002	0.042	0.970	0.061	241.914	TRUE	6.30E-53
Overall asthma	ATF3	cg23534142	rs56671266	C	T	-0.529	0.028	0.222	6.28E-79	0.020	0.012	0.084	0.087	353.615	TRUE	1.41E-74
Overall asthma	ATF3	cg23534142	rs629118	G	A	0.195	0.024	0.440	5.74E-16	0.003	0.010	0.770	0.017	65.489	TRUE	1.21E-15
Overall asthma	ATF3	cg23534142	rs6661348	T	C	-0.208	0.026	0.285	1.23E-15	0.031	0.011	0.004	0.017	63.995	TRUE	1.72E-14
Overall asthma	ATF3	cg23534142	rs78276076	C	T	-0.298	0.044	0.075	2.02E-11	0.013	0.019	0.480	0.012	44.930	TRUE	4.32E-11
Overall asthma	ATF3	cg23534142	rs9651103	T	C	-0.178	0.025	0.344	1.02E-12	0.001	0.010	0.930	0.014	50.774	TRUE	1.58E-12
Overall asthma	ATF3	cg25386151	rs6696022	G	A	0.283	0.046	0.073	5.60E-10	0.006	0.020	0.750	0.010	38.435	TRUE	8.83E-10
Overall asthma	ATP10B	cg00308503	rs111573262	G	A	-0.240	0.044	0.077	4.50E-08	0.018	0.018	0.330	0.008	29.906	TRUE	9.29E-08
Overall asthma	ATP10B	cg01559502	rs66849773	C	G	0.284	0.039	0.100	5.90E-13	0.005	0.016	0.770	0.014	51.851	TRUE	1.06E-12
Overall asthma	ATP10B	cg01779806	rs4302627	C	T	0.177	0.031	0.176	8.15E-09	-0.015	0.013	0.220	0.009	33.221	TRUE	1.93E-08
Overall asthma	ATP10B	cg02400308	rs4921308	C	A	-0.135	0.024	0.470	1.10E-08	-0.017	0.010	0.073	0.009	32.642	TRUE	3.61E-08
Overall asthma	ATP10B	cg02400308	rs6556498	A	G	-0.143	0.023	0.500	7.58E-10	0.008	0.010	0.420	0.010	37.844	TRUE	1.58E-09
Overall asthma	ATP10B	cg02543268	rs17058247	T	C	0.210	0.024	0.347	7.61E-18	-0.031	0.010	0.002	0.020	74.013	TRUE	1.75E-16
Overall asthma	ATP10B	cg02543268	rs55654454	T	G	0.209	0.034	0.134	8.49E-10	-0.023	0.014	0.094	0.010	37.625	TRUE	2.89E-09
Overall asthma	ATP10B	cg06805940	rs1477281	T	C	-0.249	0.034	0.134	2.22E-13	-0.017	0.014	0.220	0.014	53.767	TRUE	7.80E-13
Overall asthma	ATP10B	cg09705798	rs59702710	C	A	0.165	0.030	0.193	4.87E-08	-0.029	0.012	0.015	0.008	29.753	TRUE	2.09E-07
Overall asthma	ATP10B	cg13629358	rs12519408	T	C	-0.137	0.024	0.493	8.41E-09	0.000	0.010	0.990	0.009	33.160	TRUE	1.05E-08
Overall asthma	ATP10B	cg13629358	rs13159151	T	G	0.130	0.024	0.465	4.64E-08	-0.004	0.010	0.700	0.008	29.847	TRUE	6.91E-08
Overall asthma	ATP10B	cg13629358	rs140011304	T	C	0.541	0.085	0.018	2.49E-10	-0.031	0.035	0.370	0.011	40.015	TRUE	5.64E-10
Overall asthma	ATP10B	cg13629358	rs151003482	A	G	0.600	0.101	0.019	2.63E-09	0.035	0.036	0.330	0.009	35.420	TRUE	5.84E-09
Overall asthma	ATP10B	cg13629358	rs4921308	C	A	0.130	0.024	0.470	4.76E-08	-0.017	0.010	0.073	0.008	29.797	TRUE	1.47E-07
Overall asthma	ATP10B	cg13629358	rs6556513	T	G	0.628	0.034	0.135	6.74E-77	0.026	0.014	0.061	0.085	344.297	TRUE	1.47E-72
Overall asthma	ATP10B	cg20963030	rs10036919	A	G	-0.202	0.025	0.311	1.05E-15	-0.008	0.010	0.470	0.017	64.294	TRUE	3.14E-15
Overall asthma	ATP10B	cg20963030	rs10054068	C	T	-0.197	0.028	0.234	1.23E-12	0.028	0.011	0.013	0.013	50.409	TRUE	9.93E-12
Overall asthma	ATP10B	cg20963030	rs10475689	G	A	0.757	0.098	0.017	1.25E-14	0.048	0.036	0.180	0.016	59.430	TRUE	5.27E-14
Overall asthma	ATP10B	cg20963030	rs10515816	A	G	0.718	0.030	0.175	4.10E-127	-0.016	0.013	0.200	0.135	574.913	TRUE	9.47E-119
Overall asthma	ATP10B	cg20963030	rs11742523	A	G	0.778	0.076	0.022	6.32E-25	-0.022	0.030	0.460	0.028	106.249	TRUE	3.64E-24
Overall asthma	ATP10B	cg20963030	rs13188637	A	G	0.212	0.024	0.493	3.41E-19	-0.010	0.010	0.310	0.021	80.140	TRUE	1.63E-18
Overall asthma	ATP10B	cg20963030	rs17057955	G	A	0.393	0.062	0.078	1.92E-10	-0.009	0.018	0.620	0.011	40.525	TRUE	3.43E-10
Overall asthma	ATP10B	cg20963030	rs4479880	C	A	0.177	0.024	0.470	5.44E-14	-0.014	0.010	0.150	0.015	56.534	TRUE	2.38E-13
Overall asthma	ATP10B	cg20963030	rs79730257	T	C	0.544	0.076	0.064	9.76E-13	-0.006	0.020	0.760	0.014	50.865	TRUE	1.76E-12

Overall asthma	ATP10B	cg20963030	rs9968676	C	G	-0.145	0.025	0.350	4.37E-09	0.010	0.010	0.320	0.009	34.433	TRUE	9.70E-09
Overall asthma	ATP10B	cg22160263	rs116614867	A	G	-1.232	0.123	0.015	1.62E-23	0.027	0.048	0.570	0.026	99.826	TRUE	7.11E-23
Overall asthma	ATP10B	cg24639117	rs11952862	C	A	0.308	0.023	0.458	2.28E-39	0.013	0.010	0.160	0.044	172.246	TRUE	1.06E-37
Overall asthma	ATP10B	cg24639117	rs1432788	T	C	-0.321	0.044	0.072	4.62E-13	0.017	0.018	0.360	0.014	52.333	TRUE	1.31E-12
Overall asthma	ATP10B	cg24639117	rs4479880	C	A	-0.144	0.023	0.470	9.61E-10	-0.014	0.010	0.150	0.010	37.382	TRUE	2.92E-09
Overall asthma	ATP10B	cg27141889	rs11950954	C	T	-0.201	0.031	0.172	1.16E-10	-0.023	0.013	0.068	0.011	41.512	TRUE	4.61E-10
Overall asthma	ATP6V0A1	cg00706536	rs10512488	A	G	-0.158	0.027	0.247	6.86E-09	0.012	0.011	0.280	0.009	33.555	TRUE	1.58E-08
Overall asthma	ATP6V0A1	cg00706536	rs145289234	G	A	1.042	0.045	0.069	3.46E-117	-0.003	0.018	0.870	0.125	529.310	TRUE	7.81E-111
Overall asthma	ATP6V0A1	cg00706536	rs161620	C	A	0.247	0.029	0.198	2.03E-17	0.015	0.012	0.210	0.019	72.072	TRUE	1.02E-16
Overall asthma	ATP6V0A1	cg00706536	rs2074164	C	G	0.239	0.031	0.183	8.52E-15	0.008	0.012	0.530	0.016	60.180	TRUE	2.20E-14
Overall asthma	ATP6V0A1	cg00706536	rs709631	A	T	0.191	0.026	0.302	1.28E-13	0.008	0.010	0.470	0.015	54.855	TRUE	3.29E-13
Overall asthma	ATP6V0A1	cg00706536	rs74670515	C	T	0.516	0.069	0.028	8.96E-14	-0.004	0.027	0.890	0.015	55.553	TRUE	1.50E-13
Overall asthma	ATP6V0A1	cg15269394	rs35111218	T	G	0.152	0.027	0.253	2.05E-08	-0.034	0.011	0.002	0.008	31.428	TRUE	1.32E-07
Overall asthma	ATP6V0A1	cg20082357	rs9897504	T	C	-0.145	0.026	0.274	2.20E-08	0.007	0.011	0.510	0.008	31.296	TRUE	3.81E-08
Overall asthma	ATP6V1B1	cg00067528	rs12469034	A	T	0.175	0.025	0.362	1.48E-12	0.001	0.010	0.930	0.013	50.047	TRUE	2.27E-12
Overall asthma	ATP6V1B1	cg05081778	rs6546653	A	C	0.135	0.024	0.420	1.80E-08	0.008	0.010	0.410	0.008	31.680	TRUE	3.48E-08
Overall asthma	ATP6V1B1	cg05081778	rs6710208	C	T	-0.402	0.023	0.452	3.83E-67	-0.011	0.010	0.280	0.075	299.537	TRUE	5.16E-64
Overall asthma	ATP6V1B1	cg05081778	rs7584322	A	C	0.207	0.023	0.468	6.86E-19	0.023	0.010	0.019	0.021	78.761	TRUE	1.01E-17
Overall asthma	ATP6V1B1	cg05159370	rs11690533	T	C	-1.577	0.054	0.043	1.59E-188	0.003	0.022	0.910	0.188	857.168	TRUE	8.10E-174
Overall asthma	ATP6V1B1	cg05159370	rs12475175	G	A	-0.314	0.025	0.310	4.15E-35	-0.021	0.010	0.041	0.040	152.760	TRUE	2.86E-33
Overall asthma	ATP6V1B1	cg05159370	rs13400501	G	C	0.262	0.037	0.121	9.47E-13	-0.019	0.015	0.210	0.014	50.924	TRUE	3.28E-12
Overall asthma	ATP6V1B1	cg05159370	rs1861854	T	C	-0.164	0.027	0.248	2.37E-09	0.001	0.011	0.910	0.010	35.627	TRUE	3.22E-09
Overall asthma	ATP6V1B1	cg05159370	rs384854	G	A	0.229	0.029	0.207	6.52E-15	-0.003	0.012	0.810	0.016	60.705	TRUE	1.24E-14
Overall asthma	ATP6V1B1	cg05159370	rs6760340	C	T	0.154	0.025	0.376	4.94E-10	-0.005	0.010	0.610	0.010	38.681	TRUE	8.78E-10
Overall asthma	ATP6V1B1	cg05159370	rs71416709	T	C	-0.333	0.046	0.067	6.42E-13	0.007	0.018	0.710	0.014	51.687	TRUE	1.22E-12
Overall asthma	ATP6V1B1	cg05159370	rs7586862	G	A	0.245	0.032	0.477	1.68E-14	-0.018	0.010	0.060	0.016	58.848	TRUE	1.02E-13
Overall asthma	ATP6V1B1	cg05159370	rs78278548	A	G	-0.992	0.110	0.015	2.71E-19	0.028	0.038	0.450	0.021	80.594	TRUE	1.02E-18
Overall asthma	ATP6V1B1	cg05159370	rs9309443	G	A	0.129	0.023	0.467	3.36E-08	0.009	0.010	0.360	0.008	30.470	TRUE	6.74E-08
Overall asthma	ATP6V1B1	cg06946880	rs10209796	C	T	0.386	0.041	0.083	1.04E-20	0.010	0.016	0.550	0.023	87.046	TRUE	3.85E-20
Overall asthma	ATP6V1B1	cg06946880	rs2902581	T	C	0.160	0.025	0.333	1.37E-10	0.004	0.010	0.700	0.011	41.179	TRUE	2.33E-10
Overall asthma	ATP6V1B1	cg06946880	rs7584322	A	C	-0.337	0.023	0.468	4.06E-48	0.023	0.010	0.019	0.054	212.311	TRUE	2.21E-45
Overall asthma	ATP6V1B1	cg08576304	rs6546653	A	C	0.178	0.024	0.420	1.02E-13	0.008	0.010	0.410	0.015	55.304	TRUE	2.78E-13
Overall asthma	ATP6V1B1	cg13649600	rs6710208	C	T	-0.199	0.024	0.452	2.90E-17	-0.011	0.010	0.280	0.019	71.372	TRUE	1.31E-16
Overall asthma	ATP6V1B1	cg17835072	rs12469034	A	T	0.172	0.025	0.362	4.12E-12	0.001	0.010	0.930	0.013	48.038	TRUE	6.20E-12
Overall asthma	ATP6V1B1	cg22387939	rs11681519	C	T	0.235	0.030	0.194	1.91E-15	0.018	0.012	0.130	0.017	63.117	TRUE	9.81E-15
Overall asthma	ATP6V1B1	cg22387939	rs6710208	C	T	0.151	0.024	0.452	1.33E-10	-0.011	0.010	0.280	0.011	41.246	TRUE	3.59E-10
Overall asthma	ATP6V1B1	cg24334149	rs10469885	T	C	0.337	0.044	0.071	1.54E-14	0.012	0.017	0.490	0.016	59.020	TRUE	4.07E-14
Overall asthma	ATP6V1B1	cg24334149	rs11681519	C	T	-0.395	0.030	0.194	1.07E-40	0.018	0.012	0.130	0.046	178.330	TRUE	6.93E-39
Overall asthma	ATP6V1B1	cg24334149	rs11690533	T	C	0.328	0.057	0.043	9.38E-09	0.003	0.022	0.910	0.009	32.949	TRUE	1.24E-08
Overall asthma	ATP6V1B1	cg24334149	rs12469034	A	T	-0.232	0.025	0.362	6.89E-21	0.001	0.010	0.930	0.023	87.852	TRUE	1.64E-20
Overall asthma	ATP6V1B1	cg24334149	rs12469950	A	G	0.293	0.032	0.417	1.40E-19	0.017	0.010	0.083	0.022	81.899	TRUE	1.29E-18
Overall asthma	ATP6V1B1	cg24334149	rs148267864	A	T	-0.208	0.036	0.123	5.39E-09	-0.033	0.015	0.024	0.009	34.023	TRUE	2.32E-08

Overall asthma	ATP6V1B1	cg24334149	rs6710208	C	T	-0.410	0.023	0.452	4.33E-70	-0.011	0.010	0.280	0.078	313.057	TRUE	9.19E-67
Overall asthma	ATP6V1B1	cg24334149	rs78081987	G	A	-0.291	0.039	0.100	4.76E-14	-0.018	0.016	0.270	0.015	56.795	TRUE	1.65E-13
Overall asthma	ATP6V1B1	cg26907313	rs12469950	A	G	-0.198	0.033	0.417	1.23E-09	0.017	0.010	0.083	0.010	36.901	TRUE	4.39E-09
Overall asthma	ATP6V1B1	cg26907313	rs13000315	A	T	-0.476	0.064	0.036	1.20E-13	-0.014	0.024	0.540	0.015	54.986	TRUE	2.74E-13
Overall asthma	ATP6V1B1	cg26907313	rs6710208	C	T	0.261	0.023	0.452	1.02E-28	-0.011	0.010	0.280	0.032	123.553	TRUE	1.24E-27
Overall asthma	ATP6V1B1	cg26929806	rs12469064	T	C	-0.187	0.033	0.416	1.08E-08	0.018	0.010	0.058	0.009	32.670	TRUE	3.73E-08
Overall asthma	ATP6V1B1	cg26929806	rs13000315	A	T	0.594	0.064	0.036	1.80E-20	-0.014	0.024	0.540	0.023	85.952	TRUE	6.46E-20
Overall asthma	ATP6V1B1	cg26929806	rs4852730	T	C	-0.234	0.026	0.269	1.86E-19	0.010	0.011	0.380	0.022	81.337	TRUE	7.91E-19
Overall asthma	ATP6V1B1	cg26929806	rs6710208	C	T	0.264	0.024	0.452	3.77E-29	-0.011	0.010	0.280	0.033	125.526	TRUE	4.79E-28
Overall asthma	BCL10	cg01636910	rs6700749	A	G	0.297	0.049	0.059	1.75E-09	0.021	0.020	0.300	0.010	36.220	TRUE	4.10E-09
Overall asthma	BCL10	cg02862864	rs10493768	A	G	-0.148	0.024	0.359	7.20E-10	-0.011	0.010	0.280	0.010	37.944	TRUE	1.82E-09
Overall asthma	BCL10	cg02862864	rs10873688	C	T	0.228	0.023	0.491	6.19E-23	-0.002	0.010	0.840	0.026	97.171	TRUE	1.86E-22
Overall asthma	BCL10	cg02862864	rs11161567	T	G	-0.214	0.029	0.195	1.26E-13	0.010	0.012	0.430	0.015	54.887	TRUE	3.36E-13
Overall asthma	BCL10	cg02862864	rs11161587	G	C	-0.302	0.047	0.066	9.76E-11	0.011	0.020	0.580	0.011	41.847	TRUE	1.84E-10
Overall asthma	BCL10	cg02862864	rs114793717	G	C	0.587	0.097	0.019	1.27E-09	-0.012	0.035	0.740	0.010	36.846	TRUE	1.99E-09
Overall asthma	BCL10	cg02862864	rs116578934	T	C	0.591	0.099	0.022	2.09E-09	0.044	0.032	0.170	0.010	35.865	TRUE	5.90E-09
Overall asthma	BCL10	cg02862864	rs145752015	T	C	1.012	0.077	0.026	2.63E-39	-0.072	0.033	0.032	0.044	171.965	TRUE	3.35E-37
Overall asthma	BCL10	cg02862864	rs233117	A	G	-0.282	0.050	0.056	1.20E-08	-0.018	0.019	0.360	0.009	32.474	TRUE	2.50E-08
Overall asthma	BCL10	cg02862864	rs3816578	G	C	-0.272	0.046	0.065	4.88E-09	-0.013	0.020	0.520	0.009	34.220	TRUE	8.86E-09
Overall asthma	BCL10	cg02862864	rs4488069	G	A	-0.279	0.045	0.072	3.97E-10	0.016	0.018	0.390	0.010	39.106	TRUE	8.88E-10
Overall asthma	BCL10	cg02862864	rs4949928	C	T	0.803	0.022	0.318	1.32E-298	0.029	0.010	0.006	0.269	1363.380	TRUE	3.46E-261
Overall asthma	BCL10	cg02862864	rs506733	C	T	-0.193	0.024	0.350	1.51E-15	-0.007	0.010	0.470	0.017	63.590	TRUE	4.34E-15
Overall asthma	BCL10	cg02862864	rs527762	C	A	0.314	0.026	0.294	1.79E-34	0.002	0.011	0.820	0.039	149.855	TRUE	1.31E-33
Overall asthma	BCL10	cg02862864	rs559506050	G	A	-0.336	0.027	0.228	3.06E-36	-0.003	0.011	0.790	0.041	157.935	TRUE	2.79E-35
Overall asthma	BCL10	cg02862864	rs679961	G	A	0.213	0.033	0.302	1.86E-10	-0.012	0.011	0.240	0.011	40.584	TRUE	4.82E-10
Overall asthma	BCL10	cg02862864	rs709788	A	G	-0.281	0.025	0.300	2.89E-29	-0.023	0.010	0.023	0.033	126.053	TRUE	1.25E-27
Overall asthma	BCL10	cg02862864	rs72722664	A	G	0.449	0.048	0.060	1.28E-20	0.041	0.021	0.050	0.023	86.631	TRUE	1.54E-19
Overall asthma	BCL10	cg02862864	rs74484274	T	C	0.595	0.094	0.015	2.11E-10	0.011	0.037	0.770	0.011	40.340	TRUE	3.35E-10
Overall asthma	BCL10	cg02862864	rs77859288	A	T	0.409	0.053	0.055	1.11E-14	-0.002	0.021	0.930	0.016	59.664	TRUE	1.86E-14
Overall asthma	BCL10	cg02862864	rs79095356	T	C	0.613	0.046	0.065	4.37E-41	0.003	0.020	0.870	0.046	180.109	TRUE	5.51E-40
Overall asthma	BCL10	cg02862864	rs79558638	A	C	0.317	0.048	0.058	3.51E-11	0.029	0.020	0.160	0.012	43.848	TRUE	1.20E-10
Overall asthma	BCL10	cg02862864	rs817488	C	T	0.243	0.024	0.443	6.44E-25	0.000	0.010	0.960	0.028	106.211	TRUE	1.89E-24
Overall asthma	BCL10	cg06913958	rs11161584	G	A	0.191	0.028	0.222	5.59E-12	0.002	0.011	0.900	0.013	47.443	TRUE	8.62E-12
Overall asthma	BCL10	cg06913958	rs11585614	C	T	-0.150	0.028	0.257	4.92E-08	0.011	0.011	0.320	0.008	29.733	TRUE	1.01E-07
Overall asthma	BCL10	cg12432846	rs10082244	C	T	0.190	0.023	0.474	4.18E-16	-0.018	0.010	0.064	0.018	66.114	TRUE	3.03E-15
Overall asthma	BCL10	cg12432846	rs10873694	T	G	0.316	0.025	0.330	6.85E-38	-0.005	0.010	0.590	0.043	165.485	TRUE	1.00E-36
Overall asthma	BCL10	cg12432846	rs11161574	T	C	-0.914	0.024	0.214	<1E-200	-0.004	0.011	0.720	0.283	1461.932	TRUE	7.26E-282
Overall asthma	BCL10	cg12432846	rs11555520	A	G	0.177	0.027	0.233	9.52E-11	0.031	0.011	0.007	0.011	41.895	TRUE	7.23E-10
Overall asthma	BCL10	cg12432846	rs115853590	T	C	-0.566	0.099	0.025	1.01E-08	0.030	0.028	0.280	0.009	32.798	TRUE	2.28E-08
Overall asthma	BCL10	cg12432846	rs12028498	C	G	0.371	0.024	0.360	7.02E-52	0.005	0.010	0.630	0.058	229.550	TRUE	4.31E-50
Overall asthma	BCL10	cg12432846	rs12717764	C	G	0.302	0.025	0.322	1.07E-33	0.010	0.010	0.360	0.038	146.308	TRUE	1.69E-32
Overall asthma	BCL10	cg12432846	rs142267292	G	A	-0.925	0.154	0.014	1.71E-09	0.025	0.043	0.570	0.010	36.258	TRUE	3.07E-09

Overall asthma	BCL10	cg12432846	rs144045625	G	A	0.594	0.104	0.016	1.27E-08	-0.039	0.043	0.370	0.009	32.356	TRUE	2.60E-08
Overall asthma	BCL10	cg12432846	rs144820757	T	C	-0.853	0.099	0.016	7.40E-18	0.063	0.040	0.120	0.020	74.067	TRUE	4.99E-17
Overall asthma	BCL10	cg12432846	rs1523998	T	C	0.373	0.060	0.039	4.23E-10	0.001	0.024	0.970	0.010	38.981	TRUE	5.65E-10
Overall asthma	BCL10	cg12432846	rs17124345	T	C	0.388	0.031	0.171	8.06E-36	-0.013	0.013	0.330	0.040	156.012	TRUE	1.67E-34
Overall asthma	BCL10	cg12432846	rs36166679	C	A	0.372	0.054	0.049	6.39E-12	0.009	0.020	0.660	0.013	47.182	TRUE	1.21E-11
Overall asthma	BCL10	cg12432846	rs4907134	A	G	-0.166	0.024	0.394	2.65E-12	0.015	0.010	0.120	0.013	48.903	TRUE	1.07E-11
Overall asthma	BCL10	cg12432846	rs511491	A	G	-0.342	0.051	0.104	3.29E-11	-0.013	0.016	0.410	0.012	43.974	TRUE	7.54E-11
Overall asthma	BCL10	cg12432846	rs72718767	G	A	-0.448	0.071	0.031	2.20E-10	0.014	0.024	0.560	0.011	40.262	TRUE	4.15E-10
Overall asthma	BCL10	cg12432846	rs72724639	G	C	-0.724	0.079	0.022	3.17E-20	0.041	0.030	0.170	0.022	84.836	TRUE	2.21E-19
Overall asthma	BCL10	cg12432846	rs79169005	C	T	-0.589	0.067	0.028	8.37E-19	-0.010	0.025	0.670	0.021	78.369	TRUE	2.29E-18
Overall asthma	BCL10	cg12432846	rs821395	G	A	-0.149	0.026	0.278	1.14E-08	-0.006	0.011	0.570	0.009	32.572	TRUE	1.92E-08
Overall asthma	BCL10	cg16140784	rs61246397	A	G	0.524	0.077	0.027	1.16E-11	-0.085	0.034	0.012	0.012	46.015	TRUE	8.09E-11
Overall asthma	BCL10	cg16377367	rs12757160	G	A	-0.161	0.029	0.190	4.13E-08	-0.019	0.012	0.100	0.008	30.071	TRUE	1.16E-07
Overall asthma	BCL10	cg16377367	rs1523993	T	C	-0.172	0.026	0.272	6.40E-11	0.012	0.011	0.260	0.011	42.673	TRUE	1.71E-10
Overall asthma	BCL10	cg16377367	rs2054238	T	C	0.333	0.050	0.052	3.06E-11	-0.006	0.020	0.760	0.012	44.114	TRUE	5.10E-11
Overall asthma	BCL10	cg16377367	rs2735587	T	C	0.419	0.025	0.291	5.06E-63	-0.012	0.010	0.260	0.071	280.633	TRUE	4.02E-60
Overall asthma	BCL10	cg16377367	rs7546346	T	C	-0.175	0.030	0.183	6.31E-09	0.024	0.012	0.050	0.009	33.718	TRUE	2.41E-08
Overall asthma	BCL10	cg17322118	rs10782545	T	C	-0.356	0.029	0.195	3.25E-34	0.010	0.012	0.390	0.039	148.672	TRUE	4.73E-33
Overall asthma	BCL10	cg17322118	rs11161547	C	T	-0.344	0.038	0.105	4.01E-19	0.023	0.016	0.150	0.021	79.821	TRUE	2.70E-18
Overall asthma	BCL10	cg17322118	rs116144222	G	A	0.536	0.080	0.041	1.82E-11	-0.015	0.021	0.450	0.012	45.127	TRUE	3.99E-11
Overall asthma	BCL10	cg17322118	rs12022248	A	T	0.303	0.028	0.224	6.70E-28	0.012	0.011	0.260	0.031	119.820	TRUE	7.16E-27
Overall asthma	BCL10	cg17322118	rs12402639	C	G	0.202	0.028	0.209	1.24E-12	0.024	0.012	0.042	0.013	50.387	TRUE	6.98E-12
Overall asthma	BCL10	cg17322118	rs12757160	G	A	-0.316	0.029	0.190	3.69E-27	-0.019	0.012	0.100	0.031	116.440	TRUE	6.07E-26
Overall asthma	BCL10	cg17322118	rs144820757	T	C	0.947	0.099	0.016	1.05E-21	0.063	0.040	0.120	0.024	91.577	TRUE	1.01E-20
Overall asthma	BCL10	cg17322118	rs1542427	T	C	0.163	0.029	0.191	3.10E-08	-0.007	0.013	0.590	0.008	30.629	TRUE	5.03E-08
Overall asthma	BCL10	cg17322118	rs17122040	C	G	0.700	0.051	0.050	4.44E-43	-0.002	0.021	0.930	0.049	189.231	TRUE	6.11E-42
Overall asthma	BCL10	cg17322118	rs17125439	A	C	0.333	0.030	0.193	4.13E-29	-0.025	0.012	0.048	0.033	125.345	TRUE	1.40E-27
Overall asthma	BCL10	cg17322118	rs1764293	T	C	0.195	0.032	0.169	6.16E-10	-0.026	0.012	0.036	0.010	38.251	TRUE	2.88E-09
Overall asthma	BCL10	cg17322118	rs2735589	T	A	1.056	0.019	0.289	<1E-200	-0.012	0.010	0.240	0.462	3180.726	TRUE	<1E-200
Overall asthma	BCL10	cg17322118	rs3753793	C	A	0.174	0.027	0.258	7.60E-11	0.001	0.011	0.950	0.011	42.334	TRUE	1.06E-10
Overall asthma	BCL10	cg17322118	rs509112	G	T	0.406	0.041	0.079	7.78E-23	0.013	0.017	0.430	0.025	96.720	TRUE	3.92E-22
Overall asthma	BCL10	cg17322118	rs55866846	A	C	-0.177	0.026	0.283	2.25E-11	-0.009	0.011	0.420	0.012	44.712	TRUE	5.16E-11
Overall asthma	BCL10	cg17322118	rs55970472	G	A	-0.402	0.030	0.182	1.21E-39	0.038	0.012	0.002	0.045	173.504	TRUE	5.38E-37
Overall asthma	BCL10	cg17322118	rs61783046	A	G	-0.391	0.026	0.278	4.35E-51	0.015	0.011	0.170	0.058	225.920	TRUE	8.47E-49
Overall asthma	BCL10	cg17322118	rs72718767	G	A	0.453	0.071	0.031	1.42E-10	0.014	0.024	0.560	0.011	41.110	TRUE	2.72E-10
Overall asthma	BCL10	cg17322118	rs72722606	G	C	0.544	0.078	0.041	2.89E-12	-0.018	0.023	0.450	0.013	48.733	TRUE	6.98E-12
Overall asthma	BCL10	cg17322118	rs72722664	A	G	-0.359	0.049	0.060	2.67E-13	0.041	0.021	0.050	0.014	53.410	TRUE	1.55E-12
Overall asthma	BCL10	cg17322118	rs75758188	G	T	0.510	0.089	0.015	8.94E-09	0.002	0.030	0.950	0.009	33.042	TRUE	1.15E-08
Overall asthma	BCL10	cg17322118	rs77060540	G	T	-0.279	0.024	0.372	2.39E-30	0.001	0.010	0.920	0.034	131.002	TRUE	1.09E-29
Overall asthma	BCL10	cg17322118	rs817388	A	T	-0.234	0.036	0.118	9.03E-11	-0.005	0.015	0.720	0.011	41.998	TRUE	1.51E-10
Overall asthma	BCL10	cg17322118	rs817481	T	G	0.245	0.033	0.146	9.14E-14	-0.017	0.013	0.210	0.015	55.515	TRUE	3.53E-13
Overall asthma	BCL10	cg23665568	rs11161584	G	A	0.265	0.028	0.222	1.26E-21	0.002	0.011	0.900	0.024	91.213	TRUE	3.26E-21

Overall asthma	BCL10	cg23665568	rs12562182	C	G	-0.394	0.042	0.085	1.65E-20	0.004	0.017	0.810	0.023	86.128	TRUE	4.38E-20
Overall asthma	BCL10	cg23665568	rs669173	C	T	-0.160	0.024	0.405	4.25E-11	0.011	0.010	0.260	0.012	43.474	TRUE	1.18E-10
Overall asthma	BCL2L10	cg00413066	rs2414132	C	T	0.193	0.031	0.181	2.54E-10	-0.026	0.013	0.035	0.011	39.978	TRUE	1.12E-09
Overall asthma	BCL2L10	cg03151554	rs17705817	G	A	-0.176	0.032	0.160	3.22E-08	0.002	0.013	0.880	0.008	30.551	TRUE	4.26E-08
Overall asthma	BCL2L10	cg03151554	rs35223886	A	G	-0.486	0.067	0.031	3.96E-13	-0.003	0.028	0.930	0.014	52.636	TRUE	6.23E-13
Overall asthma	BCL2L10	cg03151554	rs4638520	T	C	-0.275	0.032	0.156	1.18E-17	-0.016	0.013	0.230	0.019	73.144	TRUE	5.92E-17
Overall asthma	BCL2L10	cg03151554	rs79704026	T	C	-0.445	0.050	0.058	7.59E-19	-0.012	0.020	0.550	0.021	78.563	TRUE	2.47E-18
Overall asthma	BCL2L10	cg03929531	rs2440320	A	G	-0.589	0.106	0.031	2.55E-08	-0.005	0.026	0.850	0.008	31.005	TRUE	3.48E-08
Overall asthma	BCL2L10	cg03929531	rs72729248	A	G	-0.501	0.067	0.030	5.38E-14	-0.004	0.028	0.870	0.015	56.557	TRUE	9.26E-14
Overall asthma	BCL2L10	cg03929531	rs79704026	T	C	-0.407	0.050	0.058	4.94E-16	-0.012	0.020	0.550	0.017	65.785	TRUE	1.33E-15
Overall asthma	BCL2L10	cg04519487	rs2231289	C	T	0.423	0.067	0.036	2.29E-10	-0.016	0.025	0.530	0.011	40.180	TRUE	4.47E-10
Overall asthma	BCL2L10	cg04519487	rs2231290	A	G	-0.251	0.026	0.289	1.19E-21	-0.033	0.011	0.002	0.024	91.322	TRUE	4.07E-20
Overall asthma	BCL2L10	cg04519487	rs72729275	A	G	-0.340	0.055	0.047	5.29E-10	-0.016	0.022	0.470	0.010	38.547	TRUE	1.07E-09
Overall asthma	BCL2L10	cg04519487	rs8025701	A	G	-0.318	0.050	0.060	1.72E-10	-0.008	0.020	0.700	0.011	40.744	TRUE	2.90E-10
Overall asthma	BCL2L10	cg12067522	rs2227308	A	G	0.348	0.031	0.162	1.71E-28	-0.017	0.013	0.190	0.032	122.528	TRUE	2.42E-27
Overall asthma	BCL2L10	cg12067522	rs28691169	C	G	-0.217	0.039	0.105	1.93E-08	-0.039	0.015	0.011	0.008	31.550	TRUE	9.59E-08
Overall asthma	BCL2L10	cg14431573	rs2231290	A	G	-0.206	0.026	0.289	5.09E-15	-0.033	0.011	0.002	0.016	61.192	TRUE	7.55E-14
Overall asthma	BCL2L10	cg14431573	rs74820417	A	G	0.348	0.064	0.038	4.56E-08	-0.015	0.025	0.540	0.008	29.879	TRUE	7.62E-08
Overall asthma	BCL2L10	cg14540387	rs11632093	C	T	-0.175	0.025	0.341	3.67E-12	-0.025	0.010	0.012	0.013	48.270	TRUE	2.71E-11
Overall asthma	BCL2L10	cg15190747	rs12899030	G	C	-0.252	0.033	0.155	1.03E-14	-0.023	0.013	0.087	0.016	59.805	TRUE	6.03E-14
Overall asthma	BCL2L10	cg15190747	rs72729299	G	A	-0.424	0.066	0.030	1.55E-10	-0.010	0.028	0.710	0.011	40.947	TRUE	2.56E-10
Overall asthma	BCL2L10	cg15190747	rs79704026	T	C	-0.434	0.051	0.058	8.28E-18	-0.012	0.020	0.550	0.020	73.845	TRUE	2.51E-17
Overall asthma	BCL2L10	cg19114050	rs140494872	G	A	0.514	0.091	0.016	1.60E-08	-0.037	0.033	0.270	0.009	31.910	TRUE	3.65E-08
Overall asthma	BCL2L10	cg19114050	rs149290740	T	C	0.554	0.089	0.021	5.21E-10	0.049	0.032	0.130	0.010	38.576	TRUE	1.69E-09
Overall asthma	BCL2L10	cg19114050	rs2231289	C	T	0.751	0.066	0.036	1.31E-29	-0.016	0.025	0.530	0.033	127.621	TRUE	1.01E-28
Overall asthma	BCL2L10	cg19114050	rs2231297	G	A	0.243	0.032	0.162	3.85E-14	-0.017	0.013	0.200	0.015	57.214	TRUE	1.53E-13
Overall asthma	BCL2L10	cg19114050	rs79883421	A	G	0.211	0.036	0.132	2.83E-09	-0.017	0.014	0.230	0.009	35.277	TRUE	7.20E-09
Overall asthma	BCL2L10	cg27563121	rs112393809	T	A	-0.650	0.103	0.017	3.05E-10	-0.008	0.042	0.850	0.011	39.621	TRUE	4.49E-10
Overall asthma	BCL2L10	cg27563121	rs56049741	C	A	0.166	0.023	0.475	1.02E-12	0.014	0.010	0.150	0.014	50.785	TRUE	3.99E-12
Overall asthma	BCL2L10	cg27563121	rs56359304	T	C	-0.280	0.049	0.062	9.93E-09	0.001	0.019	0.970	0.009	32.838	TRUE	1.26E-08
Overall asthma	BCL2L10	cg27563121	rs59851373	A	T	-0.592	0.038	0.112	4.95E-56	-0.036	0.015	0.017	0.063	248.582	TRUE	8.58E-53
Overall asthma	BCL2L10	cg27563121	rs6493546	C	T	-0.184	0.025	0.349	1.20E-13	-0.020	0.010	0.044	0.015	54.984	TRUE	7.44E-13
Overall asthma	BCL3	cg16094954	rs10421035	G	A	0.325	0.027	0.230	2.20E-32	0.036	0.011	0.001	0.037	140.302	TRUE	4.02E-30
Overall asthma	BCL3	cg16094954	rs11882134	A	G	-0.193	0.026	0.274	3.01E-13	-0.021	0.011	0.055	0.014	53.176	TRUE	1.69E-12
Overall asthma	BCL3	cg16094954	rs203717	T	C	-0.167	0.028	0.244	1.50E-09	-0.019	0.011	0.100	0.010	36.517	TRUE	5.23E-09
Overall asthma	BCL3	cg16094954	rs2965159	G	A	0.321	0.024	0.401	3.28E-42	0.029	0.010	0.003	0.048	185.254	TRUE	1.69E-39
Overall asthma	BCL3	cg16094954	rs2972556	T	C	-0.257	0.033	0.140	1.41E-14	-0.018	0.013	0.170	0.016	59.185	TRUE	6.17E-14
Overall asthma	BCL3	cg16094954	rs34404554	G	C	-0.233	0.033	0.145	2.09E-12	-0.029	0.013	0.032	0.013	49.368	TRUE	1.34E-11
Overall asthma	BCL3	cg16094954	rs4803748	T	C	0.825	0.021	0.381	<1E-200	0.021	0.010	0.033	0.295	1550.504	TRUE	2.70E-294
Overall asthma	BCL3	cg16094954	rs4803761	G	A	-0.173	0.026	0.317	1.39E-11	-0.035	0.010	6.60E-04	0.012	45.659	TRUE	1.80E-10
Overall asthma	BCL3	cg16094954	rs55923289	C	T	-0.380	0.049	0.126	1.03E-14	-0.018	0.014	0.210	0.016	59.797	TRUE	4.25E-14
Overall asthma	BCL3	cg16094954	rs62117162	A	C	0.588	0.041	0.086	6.07E-46	-0.016	0.017	0.350	0.052	202.350	TRUE	3.51E-44

Overall asthma	BCL3	cg16094954	rs7249244	T	C	0.219	0.024	0.489	6.45E-20	0.026	0.010	0.008	0.022	83.432	TRUE	1.38E-18
Overall asthma	BCL3	cg16094954	rs72654473	A	C	0.372	0.039	0.101	6.12E-22	-0.020	0.015	0.200	0.024	92.639	TRUE	4.83E-21
Overall asthma	BCL3	cg16094954	rs74607435	C	T	0.771	0.077	0.050	2.13E-23	0.009	0.021	0.690	0.026	99.282	TRUE	7.98E-23
Overall asthma	BCL3	cg26470501	rs10421283	G	A	0.195	0.024	0.445	1.92E-16	0.039	0.010	4.10E-05	0.018	67.648	TRUE	7.64E-15
Overall asthma	BCL3	cg26470501	rs2965167	A	G	0.131	0.024	0.486	4.37E-08	0.003	0.010	0.790	0.008	29.962	TRUE	6.10E-08
Overall asthma	BCL3	cg26470501	rs35106910	C	A	-0.337	0.062	0.040	4.95E-08	-0.041	0.025	0.110	0.008	29.722	TRUE	1.42E-07
Overall asthma	BCL3	cg26470501	rs419010	C	T	-0.146	0.024	0.450	7.40E-10	-0.024	0.010	0.012	0.010	37.891	TRUE	4.17E-09
Overall asthma	BCL3	cg26470501	rs4803760	T	C	-0.163	0.030	0.198	4.45E-08	-0.019	0.012	0.100	0.008	29.924	TRUE	1.25E-07
Overall asthma	BCL3	cg26470501	rs55840414	A	G	0.241	0.037	0.116	4.85E-11	0.042	0.015	0.004	0.012	43.213	TRUE	3.78E-10
Overall asthma	BCL3	cg26470501	rs8100197	A	G	0.395	0.026	0.257	2.03E-50	0.039	0.011	2.80E-04	0.057	222.853	TRUE	7.51E-47
Overall asthma	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	0.039	0.010	5.30E-05	0.027	101.937	TRUE	6.62E-22
Overall asthma	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	0.013	0.010	0.180	0.008	29.870	TRUE	1.11E-07
Overall asthma	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	-0.020	0.016	0.230	0.009	33.922	TRUE	1.44E-08
Overall asthma	BLK	cg13440894	rs1478901	C	G	-0.182	0.029	0.268	4.11E-10	0.014	0.011	0.200	0.010	39.039	TRUE	1.16E-09
Overall asthma	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	0.030	0.010	0.002	0.076	306.232	TRUE	4.81E-64
Overall asthma	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	0.026	0.014	0.070	0.048	184.887	TRUE	4.78E-40
Overall asthma	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	0.036	0.013	0.007	0.010	36.822	TRUE	8.16E-09
Overall asthma	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	0.017	0.010	0.093	0.008	30.918	TRUE	8.13E-08
Overall asthma	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	0.014	0.011	0.180	0.012	43.872	TRUE	1.06E-10
Overall asthma	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	-0.013	0.010	0.190	0.013	48.071	TRUE	1.41E-11
Overall asthma	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	-0.032	0.010	7.80E-04	0.017	62.186	TRUE	5.98E-14
Overall asthma	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	0.000	0.022	0.980	0.010	37.546	TRUE	1.15E-09
Overall asthma	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	-0.005	0.013	0.680	0.013	47.879	TRUE	8.26E-12
Overall asthma	BLK	cg21175976	rs11250153	C	G	0.285	0.026	0.376	8.85E-28	0.028	0.010	0.005	0.031	119.269	TRUE	5.37E-26
Overall asthma	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	-0.006	0.012	0.620	0.013	47.025	TRUE	1.35E-11
Overall asthma	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	0.021	0.011	0.054	0.017	62.911	TRUE	1.47E-14
Overall asthma	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	0.023	0.011	0.032	0.027	101.312	TRUE	1.47E-22
Overall asthma	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	-0.030	0.010	0.004	0.030	114.133	TRUE	7.61E-25
Overall asthma	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	-0.025	0.011	0.024	0.021	79.694	TRUE	5.80E-18
Overall asthma	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	0.019	0.010	0.065	0.013	50.075	TRUE	7.60E-12
Overall asthma	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	0.011	0.012	0.350	0.012	45.214	TRUE	4.36E-11
Overall asthma	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	0.013	0.011	0.250	0.021	78.194	TRUE	4.82E-18
Overall asthma	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	0.028	0.013	0.030	0.016	61.159	TRUE	4.13E-14
Overall asthma	BLK	cg21175976	rs13264636	G	C	-0.233	0.030	0.204	9.59E-15	-0.034	0.012	0.004	0.016	59.946	TRUE	1.22E-13
Overall asthma	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	-0.022	0.014	0.120	0.011	42.259	TRUE	2.83E-10
Overall asthma	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	-0.005	0.011	0.620	0.009	34.087	TRUE	8.65E-09
Overall asthma	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	0.023	0.010	0.022	0.141	608.856	TRUE	2.77E-124
Overall asthma	BLK	cg21175976	rs2572410	T	A	-0.212	0.026	0.386	1.34E-16	-0.003	0.010	0.760	0.018	68.349	TRUE	2.99E-16
Overall asthma	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	-0.022	0.010	0.024	0.038	145.697	TRUE	1.01E-31
Overall asthma	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	-0.012	0.015	0.430	0.013	48.152	TRUE	9.41E-12
Overall asthma	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	-0.010	0.011	0.380	0.013	49.026	TRUE	6.45E-12
Overall asthma	BLK	cg21175976	rs4455790	C	G	-0.226	0.028	0.262	8.96E-16	-0.025	0.011	0.021	0.017	64.613	TRUE	8.48E-15

Overall asthma	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.010	0.015	0.520	0.012	43.981	TRUE	6.70E-11
Overall asthma	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	-0.037	0.013	0.004	0.012	44.584	TRUE	2.01E-10
Overall asthma	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	0.025	0.010	0.018	0.032	121.653	TRUE	1.27E-26
Overall asthma	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	-0.026	0.013	0.042	0.010	38.906	TRUE	1.90E-09
Overall asthma	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.003	0.015	0.850	0.010	37.442	TRUE	1.35E-09
Overall asthma	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	0.022	0.013	0.084	0.009	34.590	TRUE	1.32E-08
Overall asthma	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	0.012	0.018	0.490	0.014	53.379	TRUE	6.45E-13
Overall asthma	BLK	cg21175976	rs77613642	G	C	-0.283	0.048	0.072	5.03E-09	-0.015	0.018	0.410	0.009	34.160	TRUE	1.01E-08
Overall asthma	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	-0.018	0.013	0.170	0.018	67.107	TRUE	1.28E-15
Overall asthma	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	-0.012	0.011	0.270	0.023	87.887	TRUE	3.93E-20
Overall asthma	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	0.018	0.021	0.380	0.009	34.222	TRUE	9.94E-09
Overall asthma	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	0.050	0.013	1.60E-04	0.011	42.145	TRUE	1.19E-09
Overall asthma	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	-0.021	0.013	0.095	0.012	46.067	TRUE	4.48E-11
Overall asthma	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	-0.032	0.010	0.002	0.021	80.540	TRUE	8.36E-18
Overall asthma	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	0.020	0.011	0.058	0.027	102.289	TRUE	7.08E-23
Overall asthma	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	-0.013	0.010	0.190	0.012	43.795	TRUE	1.16E-10
Overall asthma	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	-0.015	0.011	0.180	0.018	66.563	TRUE	1.64E-15
Overall asthma	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	0.028	0.011	0.011	0.020	75.040	TRUE	6.84E-17
Overall asthma	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	0.024	0.012	0.052	0.024	90.407	TRUE	2.60E-20
Overall asthma	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	-0.032	0.010	0.002	0.313	1684.549	TRUE	<1E-200
Overall asthma	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	-0.040	0.012	0.001	0.027	101.718	TRUE	3.88E-22
Overall asthma	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	-0.013	0.013	0.320	0.017	65.056	TRUE	2.60E-15
Overall asthma	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	0.003	0.015	0.850	0.008	31.632	TRUE	2.54E-08
Overall asthma	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	0.063	0.018	5.80E-04	0.009	31.997	TRUE	1.24E-07
Overall asthma	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	-0.026	0.012	0.037	0.013	50.138	TRUE	8.80E-12
Overall asthma	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	-0.028	0.011	0.015	0.014	52.632	TRUE	3.39E-12
Overall asthma	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	-0.004	0.012	0.770	0.014	53.975	TRUE	3.68E-13
Overall asthma	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.029	0.012	0.017	0.026	98.423	TRUE	7.98E-22
Overall asthma	BLK	cg21701351	rs28446662	A	T	-0.199	0.031	0.222	2.44E-10	0.012	0.012	0.330	0.011	40.053	TRUE	5.94E-10
Overall asthma	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	0.004	0.011	0.700	0.033	127.369	TRUE	8.86E-29
Overall asthma	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	0.013	0.011	0.220	0.032	120.724	TRUE	5.07E-27
Overall asthma	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	-0.011	0.013	0.410	0.019	70.592	TRUE	1.52E-16
Overall asthma	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	0.049	0.014	5.20E-04	0.012	45.665	TRUE	1.80E-10
Overall asthma	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	-0.019	0.013	0.160	0.014	51.508	TRUE	2.81E-12
Overall asthma	BLK	cg21701351	rs4455790	C	G	0.290	0.028	0.262	5.83E-25	-0.025	0.011	0.021	0.028	106.407	TRUE	1.51E-23
Overall asthma	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	0.035	0.010	3.40E-04	0.018	67.488	TRUE	5.68E-15
Overall asthma	BLK	cg21701351	rs4841381	G	C	0.258	0.029	0.245	8.55E-19	-0.029	0.011	0.009	0.021	78.327	TRUE	1.51E-17
Overall asthma	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.012	0.016	0.470	0.014	52.465	TRUE	1.07E-12
Overall asthma	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	0.034	0.012	0.005	0.021	77.669	TRUE	2.44E-17
Overall asthma	BLK	cg21701351	rs55718444	C	G	-0.388	0.053	0.064	1.96E-13	-0.002	0.019	0.920	0.014	54.016	TRUE	3.14E-13
Overall asthma	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	-0.015	0.019	0.440	0.020	76.906	TRUE	6.52E-18
Overall asthma	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	-0.020	0.014	0.160	0.019	70.382	TRUE	2.67E-16

Overall asthma	BLK	cg21701351	rs58569413	T	G	-0.377	0.056	0.064	1.21E-11	-0.020	0.021	0.350	0.012	45.934	TRUE	3.12E-11
Overall asthma	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	0.037	0.013	0.006	0.024	91.221	TRUE	3.73E-20
Overall asthma	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	0.020	0.013	0.110	0.012	43.998	TRUE	1.18E-10
Overall asthma	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	-0.025	0.012	0.036	0.017	65.111	TRUE	5.77E-15
Overall asthma	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	-0.026	0.012	0.026	0.042	160.723	TRUE	6.94E-35
Overall asthma	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	0.026	0.018	0.140	0.014	52.494	TRUE	1.71E-12
Overall asthma	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	-0.012	0.015	0.420	0.021	79.437	TRUE	1.90E-18
Overall asthma	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	0.021	0.014	0.150	0.018	66.131	TRUE	2.25E-15
Overall asthma	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	-0.009	0.012	0.450	0.027	102.454	TRUE	2.32E-23
Overall asthma	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.002	0.015	0.870	0.011	42.171	TRUE	1.23E-10
Overall asthma	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	0.003	0.012	0.840	0.032	123.931	TRUE	3.86E-28
Overall asthma	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	-0.002	0.012	0.840	0.012	44.452	TRUE	4.01E-11
Overall asthma	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	0.040	0.021	0.052	0.009	31.730	TRUE	6.07E-08
Overall asthma	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	-0.033	0.010	7.50E-04	0.044	170.418	TRUE	3.07E-36
Overall asthma	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	-0.003	0.010	0.750	0.012	45.211	TRUE	2.95E-11
Overall asthma	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	-0.027	0.011	0.010	0.039	148.483	TRUE	3.31E-32
Overall asthma	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	0.036	0.010	1.70E-04	0.051	200.249	TRUE	3.89E-42
Overall asthma	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	-0.023	0.015	0.120	0.010	38.234	TRUE	2.01E-09
Overall asthma	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	-0.009	0.014	0.540	0.011	40.412	TRUE	3.92E-10
Overall asthma	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	0.002	0.010	0.840	0.013	49.589	TRUE	3.10E-12
Overall asthma	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	0.002	0.013	0.900	0.012	43.132	TRUE	7.44E-11
Overall asthma	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	-0.021	0.019	0.250	0.008	30.237	TRUE	8.32E-08
Overall asthma	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	0.006	0.010	0.550	0.010	36.761	TRUE	2.44E-09
Overall asthma	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	0.048	0.014	6.70E-04	0.008	31.210	TRUE	1.74E-07
Overall asthma	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	-0.005	0.010	0.610	0.011	40.072	TRUE	4.36E-10
Overall asthma	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	-0.011	0.012	0.350	0.009	33.408	TRUE	1.54E-08
Overall asthma	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	-0.007	0.014	0.650	0.009	33.283	TRUE	1.28E-08
Overall asthma	BLK	cg24861686	rs77094521	T	A	-0.243	0.044	0.096	3.27E-08	0.017	0.017	0.310	0.008	30.523	TRUE	6.82E-08
Overall asthma	BLK	cg24861686	rs7815495	A	T	0.199	0.032	0.195	2.93E-10	-0.014	0.012	0.260	0.011	39.699	TRUE	7.82E-10
Overall asthma	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	0.018	0.010	0.066	0.011	41.209	TRUE	5.64E-10
Overall asthma	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	0.030	0.010	0.002	0.084	338.185	TRUE	1.85E-70
Overall asthma	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	-0.033	0.010	5.80E-04	0.010	35.609	TRUE	2.13E-08
Overall asthma	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	-0.035	0.011	7.50E-04	0.012	43.482	TRUE	4.20E-10
Overall asthma	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	-0.026	0.012	0.037	0.013	47.868	TRUE	2.66E-11
Overall asthma	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	-0.041	0.011	1.00E-04	0.010	36.675	TRUE	1.50E-08
Overall asthma	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	0.012	0.012	0.320	0.011	40.391	TRUE	5.02E-10
Overall asthma	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	0.021	0.014	0.150	0.025	93.325	TRUE	4.03E-21
Overall asthma	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	-0.010	0.010	0.360	0.016	59.780	TRUE	3.35E-14
Overall asthma	BLOC1S2	cg13817732	rs11190387	A	G	0.223	0.040	0.088	3.34E-08	-0.042	0.017	0.012	0.008	30.482	TRUE	1.51E-07
Overall asthma	BLOC1S2	cg13817732	rs6584356	A	C	0.597	0.050	0.060	4.71E-33	-0.042	0.020	0.037	0.037	143.363	TRUE	2.55E-31
Overall asthma	BMF	cg02313495	rs112777220	T	A	-0.437	0.050	0.058	1.09E-18	-0.004	0.019	0.840	0.021	77.848	TRUE	2.50E-18
Overall asthma	BMF	cg02313495	rs34079741	G	A	0.195	0.023	0.453	1.01E-16	-0.006	0.010	0.520	0.018	68.914	TRUE	2.98E-16

Overall asthma	BMF	cg02313495	rs34231574	T	C	-1.079	0.015	0.477	<1E-200	-0.024	0.010	0.015	0.570	4905.019	TRUE	<1E-200
Overall asthma	BMF	cg02313495	rs489508	A	G	-0.153	0.024	0.414	1.88E-10	0.008	0.010	0.430	0.011	40.562	TRUE	4.05E-10
Overall asthma	BMF	cg02313495	rs648289	C	T	0.182	0.024	0.416	3.67E-14	-0.002	0.010	0.880	0.015	57.306	TRUE	6.37E-14
Overall asthma	BMF	cg02313495	rs6492936	C	G	-0.417	0.023	0.420	1.98E-70	-0.009	0.010	0.330	0.078	314.611	TRUE	3.31E-67
Overall asthma	BMF	cg02313495	rs8042947	G	A	-0.175	0.026	0.259	3.87E-11	0.002	0.011	0.880	0.012	43.652	TRUE	5.79E-11
Overall asthma	BMF	cg07712904	rs34245505	G	C	0.184	0.029	0.204	4.17E-10	-0.018	0.012	0.130	0.010	39.008	TRUE	1.34E-09
Overall asthma	BMF	cg07712904	rs3784394	C	T	-0.145	0.023	0.500	3.34E-10	0.013	0.010	0.170	0.011	39.441	TRUE	9.86E-10
Overall asthma	BMF	cg07712904	rs569539	A	G	-0.501	0.025	0.285	4.02E-87	0.021	0.011	0.043	0.096	391.231	TRUE	6.26E-82
Overall asthma	BMF	cg07712904	rs62018159	A	G	0.261	0.029	0.201	3.00E-19	-0.021	0.012	0.080	0.021	80.397	TRUE	2.66E-18
Overall asthma	BMF	cg07887985	rs539846	T	G	0.150	0.024	0.483	2.23E-10	0.021	0.010	0.026	0.011	40.232	TRUE	1.11E-09
Overall asthma	BMF	cg09587957	rs11631335	A	G	-0.146	0.026	0.299	1.31E-08	0.020	0.011	0.063	0.009	32.297	TRUE	4.39E-08
Overall asthma	BMF	cg09587957	rs4924423	T	G	-0.218	0.028	0.239	5.87E-15	0.007	0.011	0.550	0.016	60.910	TRUE	1.49E-14
Overall asthma	BMF	cg09587957	rs8023845	T	G	0.427	0.029	0.198	2.26E-49	-0.018	0.012	0.140	0.056	218.058	TRUE	4.26E-47
Overall asthma	BMF	cg09749364	rs11637681	G	A	0.177	0.026	0.284	1.11E-11	-0.012	0.011	0.270	0.012	46.091	TRUE	3.16E-11
Overall asthma	BMF	cg17809595	rs569539	A	G	0.155	0.026	0.285	1.32E-09	0.021	0.011	0.043	0.010	36.757	TRUE	5.16E-09
Overall asthma	BMF	cg18494902	rs112777220	T	A	-0.295	0.050	0.058	2.90E-09	-0.004	0.019	0.840	0.009	35.233	TRUE	4.12E-09
Overall asthma	BMF	cg18494902	rs12441486	A	G	0.391	0.065	0.038	1.72E-09	-0.015	0.026	0.550	0.010	36.247	TRUE	3.08E-09
Overall asthma	BMF	cg18494902	rs12909145	C	T	0.141	0.024	0.448	2.27E-09	-0.005	0.010	0.640	0.010	35.706	TRUE	3.81E-09
Overall asthma	BMF	cg23895262	rs56143280	A	G	0.148	0.026	0.292	6.25E-09	-0.013	0.011	0.230	0.009	33.737	TRUE	1.52E-08
Overall asthma	BMF	cg23895262	rs648289	C	T	0.261	0.024	0.416	7.48E-28	-0.002	0.010	0.880	0.031	119.603	TRUE	3.01E-27
Overall asthma	BMF	cg26662201	rs34231574	T	C	-0.149	0.024	0.477	3.38E-10	-0.024	0.010	0.015	0.011	39.419	TRUE	1.98E-09
Overall asthma	BMP4	cg01873886	rs112534797	T	G	0.471	0.059	0.043	1.02E-15	0.036	0.023	0.120	0.017	64.358	TRUE	5.62E-15
Overall asthma	BMP4	cg01873886	rs8014071	G	A	0.303	0.024	0.396	2.31E-36	0.014	0.010	0.150	0.041	158.495	TRUE	8.26E-35
Overall asthma	BMP4	cg05923197	rs117687204	A	G	-0.179	0.030	0.192	1.51E-09	0.021	0.012	0.086	0.010	36.508	TRUE	5.32E-09
Overall asthma	BMP4	cg05923197	rs12892676	T	C	-0.144	0.025	0.348	1.03E-08	0.004	0.010	0.700	0.009	32.758	TRUE	1.60E-08
Overall asthma	BMP4	cg05923197	rs7154598	T	C	-0.295	0.024	0.457	1.21E-35	-0.036	0.010	1.50E-04	0.040	155.206	TRUE	5.75E-33
Overall asthma	BMP4	cg05923197	rs74860610	G	A	-0.398	0.060	0.039	2.50E-11	-0.013	0.023	0.570	0.012	44.507	TRUE	4.94E-11
Overall asthma	BMP4	cg05928290	rs74860610	G	A	-0.370	0.060	0.039	5.60E-10	-0.013	0.023	0.570	0.010	38.435	TRUE	1.02E-09
Overall asthma	BMP4	cg05928290	rs75175834	C	T	-0.163	0.030	0.193	3.78E-08	0.022	0.012	0.075	0.008	30.242	TRUE	1.22E-07
Overall asthma	BMP4	cg08046044	rs112534797	T	G	0.376	0.059	0.043	1.77E-10	0.036	0.023	0.120	0.011	40.686	TRUE	6.11E-10
Overall asthma	BMP4	cg08046044	rs8014071	G	A	0.214	0.024	0.396	1.22E-18	0.014	0.010	0.150	0.021	77.621	TRUE	7.74E-18
Overall asthma	BMP4	cg09367901	rs942316	A	C	-0.525	0.096	0.034	3.84E-08	0.033	0.027	0.230	0.008	30.212	TRUE	8.97E-08
Overall asthma	BMP4	cg20297199	rs12895262	A	T	0.231	0.042	0.081	4.86E-08	0.013	0.018	0.480	0.008	29.757	TRUE	8.65E-08
Overall asthma	BMP4	cg24526899	rs7154598	T	C	-0.161	0.024	0.457	1.72E-11	-0.036	0.010	1.50E-04	0.012	45.247	TRUE	2.50E-10
Overall asthma	BMP4	cg24526899	rs75175834	C	T	-0.166	0.030	0.193	1.84E-08	0.022	0.012	0.075	0.008	31.636	TRUE	6.12E-08
Overall asthma	BOK	cg00318320	rs115230843	T	C	0.550	0.096	0.017	9.60E-09	-0.012	0.035	0.740	0.009	32.903	TRUE	1.44E-08
Overall asthma	BOK	cg22999099	rs113344275	T	C	-0.513	0.059	0.040	1.86E-18	0.047	0.024	0.048	0.020	76.790	TRUE	1.82E-17
Overall asthma	BOK	cg22999099	rs12695002	C	T	0.333	0.024	0.422	3.57E-45	-0.011	0.010	0.240	0.051	198.825	TRUE	2.40E-43
Overall asthma	BOK	cg22999099	rs142730039	G	A	-0.869	0.092	0.032	3.54E-21	0.023	0.026	0.380	0.024	89.167	TRUE	1.75E-20
Overall asthma	BOK	cg22999099	rs35904111	C	G	0.342	0.055	0.108	6.38E-10	0.023	0.016	0.140	0.010	38.180	TRUE	1.95E-09
Overall asthma	BOK	cg22999099	rs4675930	T	C	0.307	0.041	0.229	6.84E-14	-0.042	0.011	1.90E-04	0.015	56.083	TRUE	1.55E-12
Overall asthma	BOK	cg22999099	rs62191342	G	C	0.240	0.039	0.249	1.24E-09	-0.028	0.011	0.013	0.010	36.891	TRUE	6.95E-09

Overall asthma	BOK	cg22999099	rs6757649	A	G	-0.163	0.023	0.449	3.36E-12	0.040	0.010	2.80E-05	0.013	48.442	TRUE	7.10E-11
Overall asthma	BOK	cg22999099	rs7420703	C	T	-1.170	0.030	0.137	<1E-200	0.041	0.014	0.003	0.292	1524.014	TRUE	1.27E-288
Overall asthma	BOK	cg22999099	rs7424328	C	T	-0.266	0.035	0.453	1.73E-14	0.012	0.010	0.240	0.016	58.789	TRUE	6.55E-14
Overall asthma	BOK	cg22999099	rs75289375	T	C	-0.769	0.057	0.051	6.64E-41	0.037	0.023	0.110	0.046	179.276	TRUE	5.05E-39
Overall asthma	BOK	cg23959977	rs10168241	A	G	-0.282	0.049	0.135	9.18E-09	0.010	0.015	0.510	0.009	32.989	TRUE	1.63E-08
Overall asthma	BOK	cg23959977	rs13015179	G	A	-0.444	0.030	0.187	3.31E-49	0.038	0.012	0.002	0.055	217.301	TRUE	6.02E-46
Overall asthma	BOK	cg23959977	rs13423154	T	C	-0.174	0.024	0.357	6.44E-13	0.011	0.010	0.280	0.014	51.680	TRUE	2.03E-12
Overall asthma	BOK	cg23959977	rs142708184	G	C	-0.599	0.103	0.029	5.77E-09	0.031	0.030	0.290	0.009	33.891	TRUE	1.30E-08
Overall asthma	BOK	cg23959977	rs142730039	G	A	-0.646	0.092	0.032	2.85E-12	0.023	0.026	0.380	0.013	48.763	TRUE	7.36E-12
Overall asthma	BOK	cg23959977	rs36030965	A	C	-1.027	0.033	0.137	9.29E-219	0.042	0.014	0.002	0.212	996.179	TRUE	5.61E-196
Overall asthma	BOK	cg23959977	rs56390343	A	C	-0.368	0.025	0.303	1.82E-47	0.012	0.011	0.250	0.054	209.330	TRUE	1.54E-45
Overall asthma	BOK	cg23959977	rs62191342	G	C	0.243	0.039	0.249	7.78E-10	-0.028	0.011	0.013	0.010	37.795	TRUE	4.48E-09
Overall asthma	BOK	cg23959977	rs62193476	A	G	0.396	0.035	0.354	3.74E-29	-0.025	0.010	0.013	0.033	125.544	TRUE	1.97E-27
Overall asthma	BOK	cg23959977	rs73014018	A	G	-0.187	0.029	0.215	5.98E-11	0.007	0.012	0.540	0.011	42.803	TRUE	1.19E-10
Overall asthma	BOK	cg23959977	rs7369408	A	G	0.232	0.028	0.221	4.92E-17	-0.028	0.011	0.012	0.019	70.331	TRUE	6.61E-16
Overall asthma	BOK	cg23959977	rs7424328	C	T	-0.282	0.035	0.453	3.64E-16	0.012	0.010	0.240	0.018	66.385	TRUE	1.58E-15
Overall asthma	BOK	cg23959977	rs75289375	T	C	-0.596	0.058	0.051	5.60E-25	0.037	0.023	0.110	0.028	106.489	TRUE	7.61E-24
Overall asthma	BOK	cg23959977	rs75629307	T	C	-0.358	0.042	0.080	2.11E-17	0.038	0.017	0.025	0.019	71.998	TRUE	2.31E-16
Overall asthma	BOK	cg23959977	rs7601000	T	A	0.326	0.040	0.231	3.33E-16	0.011	0.011	0.340	0.018	66.559	TRUE	1.24E-15
Overall asthma	BOK	cg24436906	rs115230843	T	C	0.556	0.096	0.017	6.60E-09	-0.012	0.035	0.740	0.009	33.631	TRUE	1.00E-08
Overall asthma	BOK	cg24436906	rs13423154	T	C	-0.197	0.024	0.357	3.79E-16	0.011	0.010	0.280	0.018	66.307	TRUE	1.53E-15
Overall asthma	BOK	cg24828208	rs12695002	C	T	0.168	0.024	0.422	1.71E-12	-0.011	0.010	0.240	0.013	49.767	TRUE	5.25E-12
Overall asthma	BRSK2	cg00370047	rs11606628	T	C	0.159	0.026	0.278	8.44E-10	0.022	0.011	0.035	0.010	37.637	TRUE	3.53E-09
Overall asthma	BRSK2	cg00370047	rs117107041	A	G	0.328	0.051	0.053	1.45E-10	0.025	0.020	0.200	0.011	41.070	TRUE	4.17E-10
Overall asthma	BRSK2	cg00370047	rs66658795	T	C	-0.212	0.023	0.445	1.50E-19	-0.006	0.010	0.550	0.022	81.766	TRUE	5.09E-19
Overall asthma	BRSK2	cg00370047	rs7395006	C	T	0.164	0.024	0.387	1.12E-11	-0.026	0.010	0.007	0.012	46.074	TRUE	8.66E-11
Overall asthma	BRSK2	cg00370047	rs7932863	A	G	0.396	0.026	0.270	1.05E-51	0.017	0.011	0.120	0.058	228.741	TRUE	2.88E-49
Overall asthma	BRSK2	cg00370047	rs7944761	C	T	-0.152	0.024	0.461	1.32E-10	-0.027	0.010	0.005	0.011	41.254	TRUE	9.65E-10
Overall asthma	BRSK2	cg01122627	rs10768578	T	C	0.291	0.034	0.145	5.37E-18	-0.023	0.014	0.092	0.020	74.699	TRUE	3.88E-17
Overall asthma	BRSK2	cg01122627	rs11026443	T	C	0.343	0.061	0.037	1.77E-08	0.020	0.023	0.380	0.009	31.717	TRUE	3.50E-08
Overall asthma	BRSK2	cg01122627	rs117107041	A	G	0.337	0.051	0.053	5.54E-11	0.025	0.020	0.200	0.011	42.953	TRUE	1.65E-10
Overall asthma	BRSK2	cg01122627	rs12284984	A	G	-0.207	0.029	0.203	7.86E-13	0.001	0.012	0.930	0.014	51.289	TRUE	1.21E-12
Overall asthma	BRSK2	cg01122627	rs150353929	T	C	0.204	0.035	0.131	7.45E-09	-0.009	0.014	0.540	0.009	33.396	TRUE	1.31E-08
Overall asthma	BRSK2	cg01122627	rs4072884	C	T	0.428	0.024	0.405	1.32E-73	-0.028	0.010	0.004	0.082	329.188	TRUE	9.25E-69
Overall asthma	BRSK2	cg01122627	rs7110854	T	C	0.230	0.031	0.171	2.61E-13	0.003	0.012	0.820	0.014	53.456	TRUE	4.58E-13
Overall asthma	BRSK2	cg01122627	rs72847939	T	C	-0.476	0.081	0.017	3.87E-09	0.037	0.034	0.280	0.009	34.670	TRUE	9.06E-09
Overall asthma	BRSK2	cg01122627	rs7395567	T	C	0.285	0.027	0.266	7.86E-27	0.018	0.011	0.099	0.030	114.940	TRUE	1.32E-25
Overall asthma	BRSK2	cg01122627	rs9651638	G	A	0.209	0.026	0.285	9.79E-16	-0.027	0.011	0.009	0.017	64.438	TRUE	1.06E-14
Overall asthma	BRSK2	cg01468621	rs7395567	T	C	-0.150	0.027	0.266	1.82E-08	0.018	0.011	0.099	0.008	31.657	TRUE	5.46E-08
Overall asthma	BRSK2	cg01660630	rs10734285	A	C	-0.252	0.031	0.172	6.56E-16	0.003	0.013	0.830	0.017	65.226	TRUE	1.30E-15
Overall asthma	BRSK2	cg01660630	rs10766272	T	C	0.624	0.061	0.046	1.86E-24	0.042	0.025	0.093	0.027	104.110	TRUE	2.57E-23
Overall asthma	BRSK2	cg01660630	rs10837858	A	G	0.297	0.053	0.051	2.21E-08	0.018	0.021	0.400	0.008	31.288	TRUE	4.31E-08

Overall asthma	BRSK2	cg01660630	rs11599943	T	C	0.566	0.066	0.031	1.23E-17	0.006	0.026	0.830	0.019	73.063	TRUE	2.69E-17
Overall asthma	BRSK2	cg01660630	rs11604075	T	C	0.312	0.026	0.285	4.29E-34	0.023	0.011	0.030	0.039	148.119	TRUE	2.60E-32
Overall asthma	BRSK2	cg01660630	rs117654829	T	A	0.771	0.098	0.038	3.57E-15	0.037	0.029	0.210	0.016	61.892	TRUE	1.51E-14
Overall asthma	BRSK2	cg01660630	rs12286473	G	A	-0.227	0.040	0.176	1.83E-08	0.004	0.013	0.740	0.008	31.651	TRUE	2.69E-08
Overall asthma	BRSK2	cg01660630	rs28386994	T	A	-0.204	0.029	0.206	1.34E-12	-0.011	0.012	0.330	0.013	50.247	TRUE	3.61E-12
Overall asthma	BRSK2	cg01660630	rs34666042	T	C	0.301	0.032	0.164	1.17E-21	-0.024	0.013	0.055	0.024	91.355	TRUE	1.43E-20
Overall asthma	BRSK2	cg01660630	rs3793964	T	C	-0.348	0.024	0.368	2.69E-47	-0.007	0.010	0.490	0.053	208.547	TRUE	1.29E-45
Overall asthma	BRSK2	cg01660630	rs4881724	A	G	-0.320	0.037	0.116	3.92E-18	-0.038	0.015	0.010	0.020	75.319	TRUE	5.92E-17
Overall asthma	BRSK2	cg01660630	rs66496921	C	G	-0.157	0.024	0.405	8.40E-11	-0.021	0.010	0.034	0.011	42.140	TRUE	4.32E-10
Overall asthma	BRSK2	cg01660630	rs7395006	C	T	0.257	0.024	0.387	3.11E-26	-0.026	0.010	0.007	0.029	112.213	TRUE	1.35E-24
Overall asthma	BRSK2	cg01660630	rs7395567	T	C	0.892	0.024	0.266	5.26E-290	0.018	0.011	0.099	0.264	1323.821	TRUE	4.04E-256
Overall asthma	BRSK2	cg01660630	rs7479551	T	A	0.143	0.025	0.342	9.93E-09	-0.045	0.010	6.90E-06	0.009	32.837	TRUE	1.40E-07
Overall asthma	BRSK2	cg01660630	rs77338313	A	G	0.755	0.101	0.031	9.03E-14	0.051	0.029	0.075	0.015	55.537	TRUE	4.80E-13
Overall asthma	BRSK2	cg01758799	rs11245968	G	A	0.147	0.025	0.341	5.19E-09	-0.045	0.010	7.70E-06	0.009	34.097	TRUE	7.74E-08
Overall asthma	BRSK2	cg01758799	rs11608241	T	C	0.538	0.092	0.019	4.23E-09	0.001	0.034	0.970	0.009	34.498	TRUE	5.44E-09
Overall asthma	BRSK2	cg01758799	rs116987758	A	G	0.491	0.089	0.018	3.06E-08	-0.048	0.032	0.130	0.008	30.651	TRUE	8.35E-08
Overall asthma	BRSK2	cg01758799	rs12280761	C	T	0.254	0.029	0.201	4.85E-18	-0.030	0.012	0.013	0.020	74.901	TRUE	7.05E-17
Overall asthma	BRSK2	cg01758799	rs12289734	T	C	0.228	0.029	0.199	7.56E-15	0.034	0.012	0.003	0.016	60.414	TRUE	9.72E-14
Overall asthma	BRSK2	cg01758799	rs1574122	T	C	-0.281	0.030	0.187	4.33E-21	-0.005	0.012	0.680	0.023	88.767	TRUE	1.40E-20
Overall asthma	BRSK2	cg01758799	rs2004828	C	T	0.308	0.024	0.398	2.07E-37	0.035	0.010	3.10E-04	0.042	163.285	TRUE	1.13E-34
Overall asthma	BRSK2	cg01758799	rs28728088	T	C	0.158	0.029	0.208	3.44E-08	-0.034	0.012	0.004	0.008	30.423	TRUE	1.87E-07
Overall asthma	BRSK2	cg01758799	rs3817589	A	G	-0.397	0.031	0.171	7.78E-37	0.003	0.012	0.820	0.042	160.657	TRUE	7.21E-36
Overall asthma	BRSK2	cg01758799	rs55744154	G	A	-0.315	0.044	0.144	1.40E-12	-0.015	0.013	0.250	0.013	50.161	TRUE	4.42E-12
Overall asthma	BRSK2	cg01758799	rs55910218	T	C	0.606	0.072	0.027	3.78E-17	-0.005	0.030	0.860	0.019	70.848	TRUE	7.78E-17
Overall asthma	BRSK2	cg01758799	rs60707923	A	G	-0.373	0.026	0.260	4.26E-45	0.010	0.011	0.370	0.051	198.473	TRUE	2.07E-43
Overall asthma	BRSK2	cg01758799	rs6421033	G	C	-0.232	0.026	0.304	1.32E-19	-0.003	0.010	0.790	0.022	82.015	TRUE	3.40E-19
Overall asthma	BRSK2	cg01758799	rs6578810	G	T	-0.312	0.044	0.080	2.01E-12	-0.048	0.018	0.008	0.013	49.452	TRUE	1.71E-11
Overall asthma	BRSK2	cg01758799	rs7128873	G	A	0.857	0.021	0.347	<1E-200	0.000	0.010	0.990	0.313	1686.370	TRUE	<1E-200
Overall asthma	BRSK2	cg01758799	rs7395006	C	T	0.359	0.024	0.387	3.40E-50	-0.026	0.010	0.007	0.057	221.828	TRUE	3.54E-47
Overall asthma	BRSK2	cg01758799	rs74046935	G	A	-0.321	0.025	0.297	2.46E-36	-0.030	0.011	0.004	0.041	158.372	TRUE	4.11E-34
Overall asthma	BRSK2	cg01758799	rs77338313	A	G	0.767	0.101	0.031	3.56E-14	0.051	0.029	0.075	0.015	57.365	TRUE	1.97E-13
Overall asthma	BRSK2	cg01758799	rs78131782	C	T	0.696	0.108	0.031	1.18E-10	0.008	0.025	0.740	0.011	41.476	TRUE	1.94E-10
Overall asthma	BRSK2	cg02030652	rs10766272	T	C	-0.432	0.061	0.046	1.85E-12	0.042	0.025	0.093	0.013	49.611	TRUE	8.24E-12
Overall asthma	BRSK2	cg02030652	rs10832955	T	C	0.291	0.024	0.368	1.33E-33	-0.025	0.010	0.013	0.038	145.870	TRUE	1.21E-31
Overall asthma	BRSK2	cg02030652	rs11029977	T	C	0.205	0.024	0.389	1.52E-17	-0.028	0.010	0.004	0.019	72.644	TRUE	2.78E-16
Overall asthma	BRSK2	cg02030652	rs11603080	A	C	-0.296	0.054	0.048	4.26E-08	-0.009	0.022	0.670	0.008	30.013	TRUE	6.50E-08
Overall asthma	BRSK2	cg02030652	rs117107041	A	G	-0.455	0.051	0.053	5.92E-19	0.025	0.020	0.200	0.021	79.053	TRUE	3.35E-18
Overall asthma	BRSK2	cg02030652	rs12808343	G	A	0.211	0.028	0.235	5.85E-14	0.013	0.011	0.250	0.015	56.391	TRUE	2.10E-13
Overall asthma	BRSK2	cg02030652	rs145553613	C	T	-0.676	0.107	0.031	2.52E-10	0.030	0.029	0.310	0.011	39.993	TRUE	6.24E-10
Overall asthma	BRSK2	cg02030652	rs34666042	T	C	-0.204	0.032	0.164	9.86E-11	-0.024	0.013	0.055	0.011	41.826	TRUE	4.14E-10
Overall asthma	BRSK2	cg02030652	rs34739266	A	G	0.252	0.043	0.149	4.54E-09	0.025	0.013	0.064	0.009	34.357	TRUE	1.69E-08
Overall asthma	BRSK2	cg02030652	rs66658795	T	C	0.239	0.023	0.445	2.06E-24	-0.006	0.010	0.550	0.027	103.912	TRUE	9.95E-24

Overall asthma	BRSK2	cg02030652	rs7395006	C	T	-0.249	0.024	0.387	1.07E-24	-0.026	0.010	0.007	0.028	105.200	TRUE	3.87E-23
Overall asthma	BRSK2	cg02030652	rs7395567	T	C	-0.789	0.025	0.266	5.31E-218	0.018	0.011	0.099	0.212	992.697	TRUE	4.89E-197
Overall asthma	BRSK2	cg02030652	rs77338313	A	G	-0.723	0.101	0.031	9.78E-13	0.051	0.029	0.075	0.014	50.859	TRUE	4.71E-12
Overall asthma	BRSK2	cg02030652	rs78131782	C	T	-0.666	0.108	0.031	7.28E-10	0.008	0.025	0.740	0.010	37.925	TRUE	1.15E-09
Overall asthma	BRSK2	cg02282118	rs1038724	A	G	-0.183	0.025	0.332	1.44E-13	0.017	0.010	0.081	0.015	54.616	TRUE	7.22E-13
Overall asthma	BRSK2	cg02282118	rs115584864	C	G	0.376	0.026	0.273	7.57E-48	-0.013	0.011	0.230	0.054	211.072	TRUE	7.61E-46
Overall asthma	BRSK2	cg02282118	rs11599943	T	C	0.463	0.066	0.031	2.97E-12	0.006	0.026	0.830	0.013	48.682	TRUE	4.89E-12
Overall asthma	BRSK2	cg02282118	rs117431642	T	C	-0.736	0.109	0.026	1.57E-11	0.040	0.031	0.200	0.012	45.419	TRUE	5.01E-11
Overall asthma	BRSK2	cg02282118	rs12786504	A	G	0.197	0.034	0.138	8.84E-09	-0.023	0.015	0.120	0.009	33.062	TRUE	2.58E-08
Overall asthma	BRSK2	cg02282118	rs1317780	G	C	0.257	0.028	0.225	1.69E-19	0.016	0.011	0.160	0.022	81.532	TRUE	1.19E-18
Overall asthma	BRSK2	cg02282118	rs186941956	A	G	0.353	0.060	0.038	4.62E-09	0.021	0.023	0.380	0.009	34.326	TRUE	9.75E-09
Overall asthma	BRSK2	cg02282118	rs1973846	T	C	0.332	0.028	0.241	2.62E-33	-0.002	0.011	0.860	0.038	144.524	TRUE	1.67E-32
Overall asthma	BRSK2	cg02282118	rs2176025	T	A	-0.249	0.025	0.316	1.62E-22	-0.014	0.010	0.170	0.025	95.274	TRUE	1.43E-21
Overall asthma	BRSK2	cg02282118	rs3750920	T	C	-0.205	0.024	0.431	1.04E-17	0.025	0.010	0.010	0.019	73.396	TRUE	1.58E-16
Overall asthma	BRSK2	cg02282118	rs55910218	T	C	-0.558	0.072	0.027	8.80E-15	-0.005	0.030	0.860	0.016	60.115	TRUE	1.60E-14
Overall asthma	BRSK2	cg02282118	rs60707923	A	G	0.325	0.027	0.260	2.47E-34	0.010	0.011	0.370	0.039	149.213	TRUE	3.85E-33
Overall asthma	BRSK2	cg02282118	rs61867617	A	G	-1.117	0.022	0.203	<1E-200	0.016	0.012	0.170	0.413	2601.854	TRUE	<1E-200
Overall asthma	BRSK2	cg02282118	rs6578589	A	C	-0.225	0.024	0.476	2.03E-21	0.035	0.010	2.80E-04	0.024	90.265	TRUE	1.19E-19
Overall asthma	BRSK2	cg02282118	rs7396026	T	C	0.440	0.053	0.057	1.58E-16	0.041	0.025	0.100	0.018	68.035	TRUE	9.91E-16
Overall asthma	BRSK2	cg02282118	rs77672898	A	G	0.360	0.060	0.076	1.39E-09	-0.022	0.017	0.190	0.010	36.663	TRUE	3.79E-09
Overall asthma	BRSK2	cg02282118	rs78131782	C	T	-0.765	0.108	0.031	1.29E-12	0.008	0.025	0.740	0.013	50.316	TRUE	2.34E-12
Overall asthma	BRSK2	cg02282118	rs79349719	A	G	0.266	0.044	0.074	1.91E-09	-0.001	0.018	0.970	0.010	36.047	TRUE	2.48E-09
Overall asthma	BRSK2	cg02282118	rs7935124	A	G	0.224	0.033	0.152	1.54E-11	-0.043	0.013	0.001	0.012	45.454	TRUE	1.76E-10
Overall asthma	BRSK2	cg02282118	rs7941388	A	T	0.259	0.033	0.364	2.60E-15	-0.006	0.010	0.560	0.017	62.514	TRUE	6.75E-15
Overall asthma	BRSK2	cg02282118	rs968592	A	G	0.200	0.032	0.159	6.54E-10	-0.016	0.013	0.210	0.010	38.131	TRUE	1.77E-09
Overall asthma	BRSK2	cg03156651	rs7395567	T	C	0.241	0.026	0.266	4.07E-20	0.018	0.011	0.099	0.022	84.340	TRUE	3.56E-19
Overall asthma	BRSK2	cg03267026	rs11023590	C	T	0.197	0.024	0.413	1.19E-16	-0.035	0.010	2.80E-04	0.018	68.581	TRUE	3.47E-15
Overall asthma	BRSK2	cg03267026	rs1574122	T	C	-0.174	0.030	0.187	6.49E-09	-0.005	0.012	0.680	0.009	33.664	TRUE	1.03E-08
Overall asthma	BRSK2	cg03553914	rs10751641	T	G	0.143	0.025	0.325	1.67E-08	-0.049	0.010	1.60E-06	0.009	31.830	TRUE	2.76E-07
Overall asthma	BRSK2	cg03553914	rs10766282	T	A	0.546	0.061	0.046	2.34E-19	0.039	0.025	0.110	0.021	80.884	TRUE	1.79E-18
Overall asthma	BRSK2	cg03553914	rs11028931	G	A	0.400	0.024	0.349	5.32E-61	0.015	0.010	0.120	0.068	271.362	TRUE	5.01E-58
Overall asthma	BRSK2	cg03553914	rs11035302	C	A	-0.241	0.025	0.313	3.83E-21	-0.022	0.010	0.033	0.023	89.012	TRUE	6.08E-20
Overall asthma	BRSK2	cg03553914	rs117107041	A	G	0.504	0.051	0.053	8.11E-23	0.025	0.020	0.200	0.025	96.637	TRUE	6.41E-22
Overall asthma	BRSK2	cg03553914	rs12146475	T	G	0.332	0.053	0.052	3.53E-10	0.016	0.021	0.440	0.011	39.333	TRUE	7.35E-10
Overall asthma	BRSK2	cg03553914	rs12796869	T	C	-0.277	0.030	0.187	5.94E-20	0.017	0.012	0.170	0.022	83.592	TRUE	4.24E-19
Overall asthma	BRSK2	cg03553914	rs145553613	C	T	0.710	0.107	0.031	2.86E-11	0.030	0.029	0.310	0.012	44.249	TRUE	7.58E-11
Overall asthma	BRSK2	cg03553914	rs34666042	T	C	0.298	0.032	0.164	2.93E-21	-0.024	0.013	0.055	0.024	89.540	TRUE	3.44E-20
Overall asthma	BRSK2	cg03553914	rs3793964	T	C	-0.383	0.024	0.368	2.54E-57	-0.007	0.010	0.490	0.064	254.493	TRUE	4.17E-55
Overall asthma	BRSK2	cg03553914	rs4255564	C	T	0.969	0.023	0.260	<1E-200	0.020	0.011	0.064	0.331	1831.498	TRUE	<1E-200
Overall asthma	BRSK2	cg03553914	rs5743915	A	G	0.164	0.024	0.415	5.27E-12	0.010	0.010	0.300	0.013	47.558	TRUE	1.48E-11
Overall asthma	BRSK2	cg03553914	rs66496921	C	G	-0.160	0.024	0.405	3.92E-11	-0.021	0.010	0.034	0.012	43.629	TRUE	2.09E-10
Overall asthma	BRSK2	cg03553914	rs7112918	C	T	0.134	0.024	0.465	1.78E-08	0.005	0.010	0.630	0.008	31.699	TRUE	2.87E-08

Overall asthma	BRSK2	cg03553914	rs7118474	G	A	-0.234	0.030	0.194	6.40E-15	-0.038	0.012	0.001	0.016	60.743	TRUE	1.06E-13
Overall asthma	BRSK2	cg03553914	rs7395006	C	T	0.344	0.024	0.387	3.92E-46	-0.026	0.010	0.007	0.052	203.221	TRUE	2.27E-43
Overall asthma	BRSK2	cg03553914	rs76324386	T	C	-0.313	0.046	0.072	7.22E-12	-0.017	0.018	0.360	0.013	46.941	TRUE	1.89E-11
Overall asthma	BRSK2	cg03553914	rs77338313	A	G	0.810	0.101	0.031	1.21E-15	0.051	0.029	0.075	0.017	64.015	TRUE	7.69E-15
Overall asthma	BRSK2	cg03553914	rs79646282	T	C	0.557	0.097	0.038	1.08E-08	0.009	0.024	0.720	0.009	32.679	TRUE	1.64E-08
Overall asthma	BRSK2	cg03695103	rs12788273	A	G	0.289	0.026	0.277	2.91E-28	0.018	0.011	0.099	0.032	121.473	TRUE	5.66E-27
Overall asthma	BRSK2	cg03695103	rs66658795	T	C	-0.130	0.024	0.445	3.16E-08	-0.006	0.010	0.550	0.008	30.592	TRUE	5.31E-08
Overall asthma	BRSK2	cg03817164	rs56225362	C	T	-0.359	0.049	0.071	1.33E-13	-0.017	0.019	0.370	0.015	54.777	TRUE	3.79E-13
Overall asthma	BRSK2	cg03817164	rs7931497	C	G	-0.955	0.055	0.049	2.73E-67	0.034	0.024	0.160	0.075	300.214	TRUE	5.83E-64
Overall asthma	BRSK2	cg03817164	rs7944761	C	T	-0.169	0.024	0.461	1.31E-12	-0.027	0.010	0.005	0.013	50.280	TRUE	1.24E-11
Overall asthma	BRSK2	cg03817794	rs11028763	C	T	-0.463	0.024	0.359	5.53E-83	-0.016	0.010	0.110	0.091	372.229	TRUE	2.28E-78
Overall asthma	BRSK2	cg03817794	rs11036555	C	T	-0.168	0.026	0.285	2.03E-10	-0.037	0.011	4.60E-04	0.011	40.417	TRUE	2.04E-09
Overall asthma	BRSK2	cg03817794	rs11599943	T	C	0.498	0.066	0.031	5.82E-14	0.006	0.026	0.830	0.015	56.401	TRUE	1.04E-13
Overall asthma	BRSK2	cg03817794	rs145553613	C	T	0.709	0.107	0.031	3.06E-11	0.030	0.029	0.310	0.012	44.116	TRUE	8.09E-11
Overall asthma	BRSK2	cg03817794	rs34666042	T	C	0.215	0.032	0.164	9.08E-12	-0.024	0.013	0.055	0.012	46.491	TRUE	4.23E-11
Overall asthma	BRSK2	cg03817794	rs3793964	T	C	-0.204	0.024	0.368	4.70E-17	-0.007	0.010	0.490	0.019	70.420	TRUE	1.45E-16
Overall asthma	BRSK2	cg03817794	rs61082503	T	G	-0.235	0.024	0.464	1.06E-22	0.007	0.010	0.440	0.025	96.104	TRUE	5.33E-22
Overall asthma	BRSK2	cg03817794	rs7395006	C	T	0.243	0.024	0.387	1.14E-23	-0.026	0.010	0.007	0.026	100.513	TRUE	3.65E-22
Overall asthma	BRSK2	cg03817794	rs7395567	T	C	0.621	0.026	0.266	5.18E-128	0.018	0.011	0.099	0.135	579.043	TRUE	3.67E-119
Overall asthma	BRSK2	cg03817794	rs79823788	A	G	-0.351	0.053	0.048	5.08E-11	-0.018	0.023	0.430	0.012	43.123	TRUE	1.13E-10
Overall asthma	BRSK2	cg03817794	rs79956640	G	A	-0.453	0.082	0.022	4.01E-08	0.050	0.030	0.094	0.008	30.128	TRUE	1.18E-07
Overall asthma	BRSK2	cg03817794	rs9651637	G	A	-0.190	0.026	0.284	3.42E-13	-0.026	0.011	0.013	0.014	52.923	TRUE	2.60E-12
Overall asthma	BRSK2	cg03817794	rs9651643	T	C	-0.234	0.024	0.445	2.07E-23	-0.007	0.010	0.480	0.026	99.336	TRUE	1.03E-22
Overall asthma	BRSK2	cg04527071	rs60707923	A	G	-0.208	0.026	0.260	3.66E-15	0.010	0.011	0.370	0.016	61.844	TRUE	1.15E-14
Overall asthma	BRSK2	cg04527071	rs7932863	A	G	0.199	0.026	0.270	3.20E-14	0.017	0.011	0.120	0.015	57.579	TRUE	1.52E-13
Overall asthma	BRSK2	cg04737185	rs10837893	T	C	-0.195	0.035	0.131	3.64E-08	-0.009	0.014	0.540	0.008	30.314	TRUE	6.17E-08
Overall asthma	BRSK2	cg04737185	rs11025835	G	A	0.360	0.054	0.058	3.00E-11	-0.018	0.021	0.380	0.012	44.151	TRUE	7.10E-11
Overall asthma	BRSK2	cg04737185	rs117872975	G	A	-0.421	0.049	0.065	5.85E-18	-0.047	0.020	0.019	0.020	74.531	TRUE	7.46E-17
Overall asthma	BRSK2	cg04737185	rs149744898	G	C	0.437	0.078	0.024	1.81E-08	-0.062	0.028	0.024	0.008	31.670	TRUE	7.38E-08
Overall asthma	BRSK2	cg04737185	rs28540254	G	A	0.458	0.024	0.337	1.96E-79	0.001	0.010	0.920	0.088	355.933	TRUE	3.04E-76
Overall asthma	BRSK2	cg04737185	rs5743987	T	C	0.328	0.049	0.071	2.31E-11	-0.010	0.019	0.600	0.012	44.664	TRUE	4.46E-11
Overall asthma	BRSK2	cg04737185	rs5744002	C	T	-0.200	0.024	0.427	1.99E-17	-0.013	0.010	0.200	0.019	72.119	TRUE	1.07E-16
Overall asthma	BRSK2	cg04737185	rs57958928	C	T	0.159	0.028	0.229	2.03E-08	0.009	0.011	0.440	0.008	31.451	TRUE	3.83E-08
Overall asthma	BRSK2	cg04737185	rs58514600	T	C	0.401	0.041	0.089	6.38E-23	-0.066	0.017	1.10E-04	0.026	97.111	TRUE	5.72E-21
Overall asthma	BRSK2	cg04737185	rs61867510	G	C	-0.176	0.024	0.400	2.48E-13	-0.024	0.010	0.014	0.014	53.556	TRUE	2.07E-12
Overall asthma	BRSK2	cg04984852	rs10766282	T	A	0.393	0.061	0.046	1.04E-10	0.039	0.025	0.110	0.011	41.730	TRUE	3.65E-10
Overall asthma	BRSK2	cg04984852	rs11599943	T	C	0.387	0.066	0.031	5.02E-09	0.006	0.026	0.830	0.009	34.164	TRUE	7.12E-09
Overall asthma	BRSK2	cg04984852	rs11604075	T	C	0.253	0.026	0.285	5.38E-23	0.023	0.011	0.030	0.026	97.448	TRUE	9.44E-22
Overall asthma	BRSK2	cg04984852	rs1574122	T	C	-0.206	0.030	0.187	4.46E-12	-0.005	0.012	0.680	0.013	47.886	TRUE	8.33E-12
Overall asthma	BRSK2	cg04984852	rs34666042	T	C	0.201	0.032	0.164	1.96E-10	-0.024	0.013	0.055	0.011	40.487	TRUE	7.98E-10
Overall asthma	BRSK2	cg04984852	rs3793964	T	C	-0.227	0.024	0.368	8.10E-21	-0.007	0.010	0.490	0.023	87.531	TRUE	3.27E-20
Overall asthma	BRSK2	cg04984852	rs7395006	C	T	0.192	0.024	0.387	2.63E-15	-0.026	0.010	0.007	0.017	62.490	TRUE	3.14E-14

Overall asthma	BRSK2	cg04984852	rs7395567	T	C	0.587	0.026	0.266	4.66E-114	0.018	0.011	0.099	0.122	514.936	TRUE	1.19E-106
Overall asthma	BRSK2	cg05404940	rs10766272	T	C	0.545	0.061	0.046	5.37E-19	0.042	0.025	0.093	0.021	79.244	TRUE	4.39E-18
Overall asthma	BRSK2	cg05404940	rs10832574	T	C	0.254	0.024	0.390	1.11E-25	-0.028	0.010	0.004	0.029	109.694	TRUE	5.50E-24
Overall asthma	BRSK2	cg05404940	rs111886352	G	C	-0.228	0.038	0.117	1.89E-09	-0.032	0.015	0.039	0.010	36.065	TRUE	8.23E-09
Overall asthma	BRSK2	cg05404940	rs115584864	C	G	-0.239	0.026	0.273	5.51E-20	-0.013	0.011	0.230	0.022	83.741	TRUE	3.21E-19
Overall asthma	BRSK2	cg05404940	rs11604075	T	C	0.335	0.026	0.285	3.72E-39	0.023	0.011	0.030	0.044	171.276	TRUE	4.16E-37
Overall asthma	BRSK2	cg05404940	rs117085626	A	G	-0.266	0.037	0.110	1.03E-12	-0.031	0.015	0.035	0.014	50.752	TRUE	6.11E-12
Overall asthma	BRSK2	cg05404940	rs117107041	A	G	0.405	0.051	0.053	3.06E-15	0.025	0.020	0.200	0.017	62.192	TRUE	1.28E-14
Overall asthma	BRSK2	cg05404940	rs117654829	T	A	0.636	0.098	0.038	9.85E-11	0.037	0.029	0.210	0.011	41.829	TRUE	2.92E-10
Overall asthma	BRSK2	cg05404940	rs12286473	G	A	-0.278	0.040	0.176	5.34E-12	0.004	0.013	0.740	0.013	47.534	TRUE	9.32E-12
Overall asthma	BRSK2	cg05404940	rs28386994	T	A	-0.182	0.029	0.206	2.85E-10	-0.011	0.012	0.330	0.011	39.754	TRUE	6.54E-10
Overall asthma	BRSK2	cg05404940	rs28672782	T	C	-0.175	0.031	0.184	1.18E-08	-0.001	0.012	0.910	0.009	32.510	TRUE	1.55E-08
Overall asthma	BRSK2	cg05404940	rs34666042	T	C	0.240	0.032	0.164	2.70E-14	-0.024	0.013	0.055	0.015	57.909	TRUE	1.61E-13
Overall asthma	BRSK2	cg05404940	rs7395567	T	C	0.835	0.025	0.266	4.07E-247	0.018	0.011	0.099	0.233	1126.578	TRUE	2.97E-221
Overall asthma	BRSK2	cg05404940	rs77338313	A	G	0.620	0.102	0.031	1.06E-09	0.051	0.029	0.075	0.010	37.186	TRUE	3.83E-09
Overall asthma	BRSK2	cg05516327	rs10837692	T	C	-0.191	0.031	0.175	7.16E-10	-0.014	0.013	0.270	0.010	37.957	TRUE	1.76E-09
Overall asthma	BRSK2	cg05516327	rs11029038	A	C	-0.211	0.025	0.322	8.31E-17	-0.023	0.010	0.028	0.018	69.296	TRUE	8.98E-16
Overall asthma	BRSK2	cg05516327	rs1109746	T	C	-0.340	0.023	0.456	1.96E-48	-0.007	0.010	0.460	0.055	213.764	TRUE	1.17E-46
Overall asthma	BRSK2	cg05516327	rs12788273	A	G	0.162	0.026	0.277	8.50E-10	0.018	0.011	0.099	0.010	37.621	TRUE	2.88E-09
Overall asthma	BRSK2	cg05516327	rs1973846	T	C	-0.239	0.028	0.241	5.87E-18	-0.002	0.011	0.860	0.020	74.524	TRUE	1.27E-17
Overall asthma	BRSK2	cg05516327	rs2943521	A	G	-0.173	0.024	0.439	2.50E-13	-0.029	0.010	0.003	0.014	53.534	TRUE	3.03E-12
Overall asthma	BRSK2	cg05516327	rs60078451	A	T	0.279	0.049	0.065	1.69E-08	-0.019	0.020	0.330	0.009	31.801	TRUE	3.51E-08
Overall asthma	BRSK2	cg05516327	rs61867592	A	G	0.343	0.052	0.098	3.94E-11	0.021	0.016	0.190	0.012	43.618	TRUE	1.23E-10
Overall asthma	BRSK2	cg05516327	rs72847939	T	C	0.563	0.081	0.017	2.82E-12	0.037	0.034	0.280	0.013	48.781	TRUE	8.35E-12
Overall asthma	BRSK2	cg05516327	rs7944983	A	G	0.275	0.044	0.077	3.63E-10	-0.015	0.018	0.400	0.011	39.281	TRUE	7.88E-10
Overall asthma	BRSK2	cg06300961	rs7395567	T	C	0.279	0.026	0.266	6.23E-26	0.018	0.011	0.099	0.029	110.838	TRUE	9.57E-25
Overall asthma	BRSK2	cg06787104	rs10766282	T	A	0.622	0.061	0.046	9.38E-25	0.039	0.025	0.110	0.028	105.467	TRUE	1.19E-23
Overall asthma	BRSK2	cg06787104	rs111886352	G	C	-0.266	0.038	0.117	2.59E-12	-0.032	0.015	0.039	0.013	48.950	TRUE	1.53E-11
Overall asthma	BRSK2	cg06787104	rs115584864	C	G	-0.330	0.026	0.273	9.02E-37	-0.013	0.011	0.230	0.042	160.363	TRUE	2.56E-35
Overall asthma	BRSK2	cg06787104	rs11604075	T	C	0.201	0.026	0.285	6.62E-15	0.023	0.011	0.030	0.016	60.675	TRUE	5.00E-14
Overall asthma	BRSK2	cg06787104	rs117017076	G	C	-0.287	0.042	0.091	5.39E-12	-0.048	0.016	0.003	0.013	47.512	TRUE	5.40E-11
Overall asthma	BRSK2	cg06787104	rs117107041	A	G	0.483	0.051	0.053	4.56E-21	0.025	0.020	0.200	0.023	88.665	TRUE	3.10E-20
Overall asthma	BRSK2	cg06787104	rs34666042	T	C	0.263	0.032	0.164	8.68E-17	-0.024	0.013	0.055	0.018	69.212	TRUE	6.57E-16
Overall asthma	BRSK2	cg06787104	rs73407443	T	C	-0.270	0.048	0.063	2.42E-08	-0.043	0.020	0.036	0.008	31.108	TRUE	9.39E-08
Overall asthma	BRSK2	cg06787104	rs7395006	C	T	0.202	0.024	0.387	9.25E-17	-0.026	0.010	0.007	0.018	69.087	TRUE	1.31E-15
Overall asthma	BRSK2	cg06787104	rs77338313	A	G	0.571	0.102	0.031	1.97E-08	0.051	0.029	0.075	0.008	31.507	TRUE	6.27E-08
Overall asthma	BRSK2	cg06787104	rs7932863	A	G	0.825	0.025	0.270	1.12E-243	0.017	0.011	0.120	0.231	1110.767	TRUE	1.55E-218
Overall asthma	BRSK2	cg06812836	rs10766272	T	C	0.580	0.061	0.046	2.62E-21	0.042	0.025	0.093	0.024	89.761	TRUE	2.67E-20
Overall asthma	BRSK2	cg06812836	rs10832955	T	C	-0.407	0.024	0.368	8.49E-65	-0.025	0.010	0.013	0.072	288.779	TRUE	6.86E-61
Overall asthma	BRSK2	cg06812836	rs117107041	A	G	0.589	0.051	0.053	1.07E-30	0.025	0.020	0.200	0.035	132.603	TRUE	1.76E-29
Overall asthma	BRSK2	cg06812836	rs138708159	T	C	-0.410	0.073	0.025	2.23E-08	-0.056	0.029	0.052	0.008	31.264	TRUE	7.75E-08
Overall asthma	BRSK2	cg06812836	rs181332597	T	C	0.644	0.100	0.036	1.42E-10	0.037	0.029	0.210	0.011	41.109	TRUE	4.16E-10

Overall asthma	BRSK2	cg06812836	rs2735703	G	A	0.284	0.041	0.092	4.19E-12	-0.017	0.016	0.290	0.013	48.008	TRUE	1.20E-11
Overall asthma	BRSK2	cg06812836	rs34666042	T	C	0.239	0.032	0.164	4.06E-14	-0.024	0.013	0.055	0.015	57.109	TRUE	2.37E-13
Overall asthma	BRSK2	cg06812836	rs66658795	T	C	-0.256	0.024	0.445	1.24E-27	-0.006	0.010	0.550	0.031	118.608	TRUE	7.71E-27
Overall asthma	BRSK2	cg06812836	rs73407443	T	C	-0.324	0.048	0.063	2.03E-11	-0.043	0.020	0.036	0.012	44.913	TRUE	1.11E-10
Overall asthma	BRSK2	cg06812836	rs7395006	C	T	0.287	0.024	0.387	2.50E-32	-0.026	0.010	0.007	0.036	140.046	TRUE	2.30E-30
Overall asthma	BRSK2	cg06812836	rs7395567	T	C	0.856	0.025	0.266	3.40E-261	0.018	0.011	0.099	0.244	1191.321	TRUE	8.41E-233
Overall asthma	BRSK2	cg06812836	rs74542903	T	C	-0.242	0.036	0.118	2.54E-11	-0.022	0.014	0.120	0.012	44.478	TRUE	9.51E-11
Overall asthma	BRSK2	cg07067744	rs10766272	T	C	0.479	0.061	0.046	5.21E-15	0.042	0.025	0.093	0.016	61.147	TRUE	2.93E-14
Overall asthma	BRSK2	cg07067744	rs10835060	T	G	-0.177	0.029	0.193	1.72E-09	-0.009	0.012	0.460	0.010	36.243	TRUE	3.39E-09
Overall asthma	BRSK2	cg07067744	rs11604075	T	C	0.223	0.026	0.285	5.38E-18	0.023	0.011	0.030	0.020	74.695	TRUE	5.59E-17
Overall asthma	BRSK2	cg07067744	rs117107041	A	G	0.377	0.051	0.053	2.16E-13	0.025	0.020	0.200	0.014	53.822	TRUE	7.78E-13
Overall asthma	BRSK2	cg07067744	rs12808343	G	A	-0.160	0.028	0.235	1.55E-08	0.013	0.011	0.250	0.009	31.969	TRUE	3.66E-08
Overall asthma	BRSK2	cg07067744	rs34666042	T	C	0.231	0.032	0.164	2.18E-13	-0.024	0.013	0.055	0.014	53.803	TRUE	1.19E-12
Overall asthma	BRSK2	cg07067744	rs5743915	A	G	0.131	0.024	0.415	3.33E-08	0.010	0.010	0.300	0.008	30.491	TRUE	7.09E-08
Overall asthma	BRSK2	cg07067744	rs7395006	C	T	0.193	0.024	0.387	2.07E-15	-0.026	0.010	0.007	0.017	62.963	TRUE	2.50E-14
Overall asthma	BRSK2	cg07067744	rs77338313	A	G	0.582	0.102	0.031	1.03E-08	0.051	0.029	0.075	0.009	32.773	TRUE	3.36E-08
Overall asthma	BRSK2	cg07067744	rs7932863	A	G	0.661	0.026	0.270	1.83E-147	0.017	0.011	0.120	0.153	668.431	TRUE	1.70E-136
Overall asthma	BRSK2	cg07479615	rs10832442	C	T	0.320	0.024	0.412	1.88E-41	-0.034	0.010	4.40E-04	0.047	181.784	TRUE	1.65E-38
Overall asthma	BRSK2	cg07479615	rs11037380	A	G	-0.330	0.035	0.137	5.65E-21	0.005	0.014	0.710	0.023	88.243	TRUE	1.73E-20
Overall asthma	BRSK2	cg07479615	rs111966929	T	C	-0.732	0.066	0.032	2.14E-28	0.056	0.026	0.029	0.032	122.082	TRUE	7.22E-27
Overall asthma	BRSK2	cg07479615	rs113969661	T	C	-0.648	0.085	0.018	2.99E-14	0.034	0.036	0.340	0.015	57.712	TRUE	9.23E-14
Overall asthma	BRSK2	cg07479615	rs11605284	C	T	0.213	0.026	0.277	4.16E-16	0.021	0.011	0.053	0.018	66.122	TRUE	3.09E-15
Overall asthma	BRSK2	cg07479615	rs117005356	T	C	0.427	0.074	0.026	8.64E-09	-0.047	0.027	0.078	0.009	33.108	TRUE	2.82E-08
Overall asthma	BRSK2	cg07479615	rs117107041	A	G	-0.314	0.051	0.053	1.00E-09	0.025	0.020	0.200	0.010	37.297	TRUE	2.70E-09
Overall asthma	BRSK2	cg07479615	rs118072498	A	G	0.346	0.055	0.094	2.13E-10	-0.030	0.015	0.053	0.011	40.323	TRUE	9.49E-10
Overall asthma	BRSK2	cg07479615	rs11822504	T	C	-0.131	0.024	0.482	2.35E-08	-0.027	0.010	0.005	0.008	31.166	TRUE	1.29E-07
Overall asthma	BRSK2	cg07479615	rs12221827	C	T	0.339	0.025	0.322	1.69E-41	0.012	0.010	0.250	0.047	181.997	TRUE	8.23E-40
Overall asthma	BRSK2	cg07479615	rs1574122	T	C	-0.586	0.029	0.187	1.96E-89	-0.005	0.012	0.680	0.098	401.842	TRUE	2.94E-85
Overall asthma	BRSK2	cg07479615	rs17821107	C	G	0.405	0.038	0.114	3.21E-26	-0.028	0.015	0.050	0.029	112.151	TRUE	6.38E-25
Overall asthma	BRSK2	cg07479615	rs4881747	T	C	0.432	0.059	0.042	1.70E-13	-0.073	0.023	0.001	0.014	54.289	TRUE	2.34E-12
Overall asthma	BRSK2	cg07479615	rs55988415	T	A	0.303	0.051	0.060	3.64E-09	-0.052	0.021	0.012	0.009	34.787	TRUE	1.86E-08
Overall asthma	BRSK2	cg07479615	rs56146392	C	A	-0.309	0.047	0.072	3.27E-11	-0.020	0.018	0.280	0.012	43.982	TRUE	9.08E-11
Overall asthma	BRSK2	cg07479615	rs79349719	A	G	-0.290	0.044	0.074	6.29E-11	-0.001	0.018	0.970	0.011	42.706	TRUE	8.68E-11
Overall asthma	BRSK2	cg07652408	rs7395567	T	C	0.230	0.027	0.266	4.12E-18	0.018	0.011	0.099	0.020	75.222	TRUE	2.99E-17
Overall asthma	BRSK2	cg08012275	rs11604075	T	C	0.183	0.025	0.285	5.36E-13	0.023	0.011	0.030	0.014	52.041	TRUE	3.32E-12
Overall asthma	BRSK2	cg08012275	rs3793964	T	C	-0.143	0.024	0.368	2.37E-09	-0.007	0.010	0.490	0.010	35.623	TRUE	4.48E-09
Overall asthma	BRSK2	cg08012275	rs7395006	C	T	0.149	0.024	0.387	5.31E-10	-0.026	0.010	0.007	0.010	38.538	TRUE	3.33E-09
Overall asthma	BRSK2	cg08012275	rs7395567	T	C	0.387	0.026	0.266	2.69E-50	0.018	0.011	0.099	0.057	222.294	TRUE	6.92E-48
Overall asthma	BRSK2	cg09167291	rs10832574	T	C	0.168	0.024	0.390	2.55E-12	-0.028	0.010	0.004	0.013	48.979	TRUE	2.43E-11
Overall asthma	BRSK2	cg09167291	rs11024617	A	G	-0.168	0.027	0.250	3.67E-10	-0.010	0.011	0.390	0.011	39.258	TRUE	8.11E-10
Overall asthma	BRSK2	cg09167291	rs11027462	T	C	-0.175	0.023	0.445	5.04E-14	-0.006	0.010	0.550	0.015	56.683	TRUE	1.20E-13
Overall asthma	BRSK2	cg09167291	rs7395567	T	C	0.331	0.026	0.266	9.27E-37	0.018	0.011	0.099	0.042	160.309	TRUE	4.51E-35

Overall asthma	BRSK2	cg09291824	rs10834052	T	C	0.288	0.031	0.185	4.13E-21	0.009	0.012	0.480	0.023	88.864	TRUE	1.75E-20
Overall asthma	BRSK2	cg09291824	rs117107041	A	G	0.318	0.051	0.053	5.42E-10	0.025	0.020	0.200	0.010	38.500	TRUE	1.49E-09
Overall asthma	BRSK2	cg09291824	rs12282543	G	A	-0.165	0.029	0.221	6.78E-09	-0.009	0.011	0.460	0.009	33.578	TRUE	1.31E-08
Overall asthma	BRSK2	cg09291824	rs7395567	T	C	0.411	0.026	0.266	6.81E-55	0.018	0.011	0.099	0.062	243.362	TRUE	3.28E-52
Overall asthma	BRSK2	cg09291824	rs74046935	G	A	-0.292	0.025	0.297	2.03E-30	-0.030	0.011	0.004	0.034	131.326	TRUE	1.59E-28
Overall asthma	BRSK2	cg09450823	rs10766282	T	A	0.370	0.061	0.046	1.10E-09	0.039	0.025	0.110	0.010	37.121	TRUE	3.53E-09
Overall asthma	BRSK2	cg09450823	rs10832574	T	C	0.183	0.024	0.390	4.41E-14	-0.028	0.010	0.004	0.015	56.946	TRUE	5.25E-13
Overall asthma	BRSK2	cg09450823	rs11035302	C	A	-0.140	0.026	0.313	4.03E-08	-0.022	0.010	0.033	0.008	30.117	TRUE	1.57E-07
Overall asthma	BRSK2	cg09450823	rs11599943	T	C	0.523	0.066	0.031	2.69E-15	0.006	0.026	0.830	0.017	62.449	TRUE	5.17E-15
Overall asthma	BRSK2	cg09450823	rs34666042	T	C	0.180	0.032	0.164	1.13E-08	-0.024	0.013	0.055	0.009	32.593	TRUE	3.85E-08
Overall asthma	BRSK2	cg09450823	rs55813014	C	T	-0.202	0.023	0.473	7.12E-18	-0.038	0.010	6.90E-05	0.020	74.142	TRUE	3.36E-16
Overall asthma	BRSK2	cg09450823	rs7395567	T	C	0.537	0.026	0.266	1.07E-94	0.018	0.011	0.099	0.103	426.009	TRUE	4.38E-89
Overall asthma	BRSK2	cg09450823	rs9651643	T	C	-0.131	0.024	0.445	2.93E-08	-0.007	0.010	0.480	0.008	30.735	TRUE	5.22E-08
Overall asthma	BRSK2	cg09461507	rs11604075	T	C	0.228	0.026	0.285	6.56E-19	0.023	0.011	0.030	0.021	78.850	TRUE	7.49E-18
Overall asthma	BRSK2	cg09461507	rs3793964	T	C	-0.187	0.024	0.368	1.41E-14	-0.007	0.010	0.490	0.016	59.184	TRUE	3.70E-14
Overall asthma	BRSK2	cg09461507	rs7395006	C	T	0.191	0.024	0.387	3.28E-15	-0.026	0.010	0.007	0.017	62.057	TRUE	3.86E-14
Overall asthma	BRSK2	cg09461507	rs7395567	T	C	0.440	0.026	0.266	4.52E-63	0.018	0.011	0.099	0.071	280.860	TRUE	7.16E-60
Overall asthma	BRSK2	cg09600088	rs10832574	T	C	0.190	0.024	0.390	4.27E-15	-0.028	0.010	0.004	0.016	61.538	TRUE	5.76E-14
Overall asthma	BRSK2	cg09600088	rs11027462	T	C	-0.192	0.023	0.445	2.42E-16	-0.006	0.010	0.550	0.018	67.190	TRUE	6.68E-16
Overall asthma	BRSK2	cg09600088	rs11599943	T	C	0.469	0.066	0.031	1.33E-12	0.006	0.026	0.830	0.013	50.252	TRUE	2.23E-12
Overall asthma	BRSK2	cg09600088	rs2075859	T	C	-0.180	0.024	0.369	7.72E-14	-0.026	0.010	0.010	0.015	55.845	TRUE	7.45E-13
Overall asthma	BRSK2	cg09600088	rs7395567	T	C	0.500	0.026	0.266	5.59E-82	0.018	0.011	0.099	0.090	367.616	TRUE	2.05E-77
Overall asthma	BRSK2	cg09600088	rs79057596	G	A	0.379	0.068	0.036	2.09E-08	0.047	0.027	0.081	0.008	31.388	TRUE	6.59E-08
Overall asthma	BRSK2	cg09790617	rs11599943	T	C	0.367	0.066	0.031	3.29E-08	0.006	0.026	0.830	0.008	30.510	TRUE	4.51E-08
Overall asthma	BRSK2	cg09790617	rs11604075	T	C	0.201	0.026	0.285	6.09E-15	0.023	0.011	0.030	0.016	60.839	TRUE	4.61E-14
Overall asthma	BRSK2	cg09790617	rs2334657	C	T	-0.141	0.024	0.400	5.66E-09	-0.026	0.010	0.007	0.009	33.930	TRUE	3.11E-08
Overall asthma	BRSK2	cg09790617	rs34666042	T	C	0.213	0.032	0.164	1.30E-11	-0.024	0.013	0.055	0.012	45.796	TRUE	5.94E-11
Overall asthma	BRSK2	cg09790617	rs3793964	T	C	-0.195	0.024	0.368	7.93E-16	-0.007	0.010	0.490	0.017	64.852	TRUE	2.26E-15
Overall asthma	BRSK2	cg09790617	rs7395006	C	T	0.168	0.024	0.387	5.14E-12	-0.026	0.010	0.007	0.013	47.606	TRUE	4.13E-11
Overall asthma	BRSK2	cg09790617	rs7395567	T	C	0.570	0.026	0.266	1.09E-106	0.018	0.011	0.099	0.115	481.091	TRUE	5.40E-100
Overall asthma	BRSK2	cg10026995	rs1038727	A	G	0.189	0.029	0.201	1.14E-10	0.033	0.012	0.005	0.011	41.536	TRUE	8.25E-10
Overall asthma	BRSK2	cg10026995	rs11028763	C	T	-0.457	0.024	0.359	5.37E-81	-0.016	0.010	0.110	0.089	363.105	TRUE	1.55E-76
Overall asthma	BRSK2	cg10026995	rs113773442	G	C	-0.302	0.037	0.113	4.23E-16	-0.032	0.015	0.033	0.018	66.091	TRUE	3.73E-15
Overall asthma	BRSK2	cg10026995	rs11599943	T	C	0.540	0.066	0.031	3.75E-16	0.006	0.026	0.830	0.018	66.330	TRUE	7.54E-16
Overall asthma	BRSK2	cg10026995	rs34666042	T	C	0.260	0.032	0.164	1.64E-16	-0.024	0.013	0.055	0.018	67.952	TRUE	1.21E-15
Overall asthma	BRSK2	cg10026995	rs3793964	T	C	-0.235	0.024	0.368	2.78E-22	-0.007	0.010	0.490	0.025	94.203	TRUE	1.25E-21
Overall asthma	BRSK2	cg10026995	rs61082503	T	G	-0.302	0.024	0.464	2.04E-36	0.007	0.010	0.440	0.041	158.739	TRUE	3.43E-35
Overall asthma	BRSK2	cg10026995	rs6578412	T	C	-0.524	0.070	0.052	7.84E-14	0.001	0.021	0.980	0.015	55.816	TRUE	1.22E-13
Overall asthma	BRSK2	cg10026995	rs66658795	T	C	-0.192	0.024	0.445	3.94E-16	-0.006	0.010	0.550	0.018	66.229	TRUE	1.06E-15
Overall asthma	BRSK2	cg10026995	rs72847985	A	G	0.215	0.033	0.146	6.79E-11	0.002	0.014	0.870	0.011	42.555	TRUE	1.02E-10
Overall asthma	BRSK2	cg10026995	rs7395006	C	T	0.234	0.024	0.387	5.62E-22	-0.026	0.010	0.007	0.024	92.807	TRUE	1.47E-20
Overall asthma	BRSK2	cg10026995	rs7395567	T	C	0.773	0.025	0.266	9.94E-207	0.018	0.011	0.099	0.203	940.867	TRUE	1.55E-187

Overall asthma	BRSK2	cg10026995	rs7482040	C	T	0.497	0.061	0.045	2.14E-16	0.048	0.025	0.055	0.018	67.431	TRUE	1.65E-15
Overall asthma	BRSK2	cg10026995	rs77338313	A	G	0.731	0.101	0.031	5.58E-13	0.051	0.029	0.075	0.014	51.961	TRUE	2.75E-12
Overall asthma	BRSK2	cg10026995	rs79956640	G	A	-0.559	0.082	0.022	1.22E-11	0.050	0.030	0.094	0.012	45.918	TRUE	4.99E-11
Overall asthma	BRSK2	cg10026995	rs9651637	G	A	-0.258	0.026	0.284	4.00E-23	-0.026	0.011	0.013	0.026	98.038	TRUE	9.15E-22
Overall asthma	BRSK2	cg10107466	rs11023856	T	C	0.149	0.026	0.303	5.55E-09	-0.008	0.010	0.470	0.009	33.967	TRUE	1.06E-08
Overall asthma	BRSK2	cg10107466	rs112066837	C	T	0.299	0.024	0.360	4.20E-36	-0.006	0.010	0.550	0.041	157.309	TRUE	5.57E-35
Overall asthma	BRSK2	cg10107466	rs112544636	T	C	-0.193	0.026	0.260	2.39E-13	-0.019	0.011	0.083	0.014	53.626	TRUE	1.19E-12
Overall asthma	BRSK2	cg10107466	rs11604075	T	C	0.182	0.025	0.285	7.37E-13	0.023	0.011	0.030	0.014	51.414	TRUE	4.50E-12
Overall asthma	BRSK2	cg10355759	rs11604075	T	C	-0.257	0.026	0.285	1.55E-23	0.023	0.011	0.030	0.026	99.912	TRUE	2.88E-22
Overall asthma	BRSK2	cg10355759	rs117107041	A	G	-0.436	0.051	0.053	1.42E-17	0.025	0.020	0.200	0.019	72.774	TRUE	7.20E-17
Overall asthma	BRSK2	cg10355759	rs12286473	G	A	0.305	0.040	0.176	2.65E-14	0.004	0.013	0.740	0.015	57.944	TRUE	5.24E-14
Overall asthma	BRSK2	cg10355759	rs1881506	T	C	0.215	0.029	0.209	2.48E-13	0.018	0.012	0.130	0.014	53.553	TRUE	1.06E-12
Overall asthma	BRSK2	cg10355759	rs2334657	C	T	0.143	0.024	0.400	2.99E-09	-0.026	0.010	0.007	0.009	35.174	TRUE	1.70E-08
Overall asthma	BRSK2	cg10355759	rs34666042	T	C	-0.197	0.032	0.164	3.80E-10	-0.024	0.013	0.055	0.010	39.190	TRUE	1.51E-09
Overall asthma	BRSK2	cg10355759	rs3793964	T	C	0.268	0.024	0.368	1.16E-28	-0.007	0.010	0.490	0.032	123.291	TRUE	8.72E-28
Overall asthma	BRSK2	cg10355759	rs7395006	C	T	-0.276	0.024	0.387	4.08E-30	-0.026	0.010	0.007	0.034	129.939	TRUE	2.84E-28
Overall asthma	BRSK2	cg10355759	rs7395567	T	C	-0.703	0.025	0.266	1.37E-168	0.018	0.011	0.099	0.171	765.534	TRUE	7.26E-155
Overall asthma	BRSK2	cg10490888	rs12788273	A	G	0.286	0.026	0.277	7.10E-28	0.018	0.011	0.099	0.031	119.705	TRUE	1.33E-26
Overall asthma	BRSK2	cg10590925	rs10734285	A	C	-0.223	0.031	0.172	9.13E-13	0.003	0.013	0.830	0.014	50.996	TRUE	1.53E-12
Overall asthma	BRSK2	cg10590925	rs10766272	T	C	0.722	0.061	0.046	2.27E-32	0.042	0.025	0.093	0.037	140.241	TRUE	7.13E-31
Overall asthma	BRSK2	cg10590925	rs11029917	T	C	-0.282	0.037	0.116	2.75E-14	-0.038	0.015	0.010	0.015	57.877	TRUE	2.66E-13
Overall asthma	BRSK2	cg10590925	rs11039094	C	G	0.219	0.036	0.116	1.27E-09	0.005	0.015	0.720	0.010	36.843	TRUE	2.00E-09
Overall asthma	BRSK2	cg10590925	rs11603080	A	C	0.391	0.054	0.048	4.90E-13	-0.009	0.022	0.670	0.014	52.217	TRUE	9.71E-13
Overall asthma	BRSK2	cg10590925	rs11604075	T	C	0.486	0.025	0.285	2.09E-82	0.023	0.011	0.030	0.091	369.583	TRUE	1.86E-77
Overall asthma	BRSK2	cg10590925	rs117107041	A	G	0.606	0.051	0.053	1.98E-32	0.025	0.020	0.200	0.037	140.517	TRUE	3.87E-31
Overall asthma	BRSK2	cg10590925	rs12282543	G	A	-0.336	0.028	0.221	3.11E-32	-0.009	0.011	0.460	0.036	139.618	TRUE	3.50E-31
Overall asthma	BRSK2	cg10590925	rs12806189	C	G	-0.285	0.046	0.073	3.69E-10	-0.017	0.018	0.340	0.010	39.249	TRUE	8.55E-10
Overall asthma	BRSK2	cg10590925	rs28386994	T	A	-0.271	0.029	0.206	4.51E-21	-0.011	0.012	0.330	0.023	88.687	TRUE	2.28E-20
Overall asthma	BRSK2	cg10590925	rs34666042	T	C	0.355	0.031	0.164	1.21E-29	-0.024	0.013	0.055	0.033	127.774	TRUE	3.40E-28
Overall asthma	BRSK2	cg10590925	rs3793964	T	C	-0.379	0.024	0.368	2.69E-56	-0.007	0.010	0.490	0.063	249.796	TRUE	3.86E-54
Overall asthma	BRSK2	cg10590925	rs4255564	C	T	1.173	0.018	0.260	<1E-200	0.020	0.011	0.064	0.525	4092.344	TRUE	<1E-200
Overall asthma	BRSK2	cg10590925	rs540448667	G	C	-0.426	0.068	0.033	3.49E-10	-0.089	0.026	6.90E-04	0.011	39.355	TRUE	3.51E-09
Overall asthma	BRSK2	cg10590925	rs5743915	A	G	0.206	0.024	0.415	3.63E-18	0.010	0.010	0.300	0.020	75.471	TRUE	1.62E-17
Overall asthma	BRSK2	cg10590925	rs66496921	C	G	-0.179	0.024	0.405	1.35E-13	-0.021	0.010	0.034	0.015	54.741	TRUE	9.39E-13
Overall asthma	BRSK2	cg10590925	rs7395006	C	T	0.358	0.024	0.387	4.35E-50	-0.026	0.010	0.007	0.056	221.336	TRUE	4.46E-47
Overall asthma	BRSK2	cg10590925	rs77338313	A	G	0.988	0.101	0.031	1.04E-22	0.051	0.029	0.075	0.025	96.153	TRUE	1.30E-21
Overall asthma	BRSK2	cg10590925	rs79646282	T	C	0.711	0.097	0.038	2.42E-13	0.009	0.024	0.720	0.014	53.602	TRUE	4.67E-13
Overall asthma	BRSK2	cg11022513	rs112066837	C	T	0.242	0.024	0.360	4.94E-24	-0.006	0.010	0.550	0.027	102.178	TRUE	2.33E-23
Overall asthma	BRSK2	cg11022513	rs143851582	T	C	0.527	0.069	0.028	3.05E-14	-0.063	0.027	0.019	0.015	57.668	TRUE	2.56E-13
Overall asthma	BRSK2	cg11254847	rs7102279	T	C	-0.199	0.028	0.238	4.94E-13	-0.001	0.011	0.900	0.014	52.201	TRUE	7.95E-13
Overall asthma	BRSK2	cg11307363	rs10766272	T	C	0.495	0.061	0.046	6.05E-16	0.042	0.025	0.093	0.017	65.385	TRUE	3.72E-15
Overall asthma	BRSK2	cg11307363	rs10837858	A	G	0.319	0.053	0.051	1.77E-09	0.018	0.021	0.400	0.010	36.195	TRUE	3.72E-09

Overall asthma	BRSK2	cg11307363	rs111886352	G	C	-0.224	0.038	0.117	3.87E-09	-0.032	0.015	0.039	0.009	34.667	TRUE	1.63E-08
Overall asthma	BRSK2	cg11307363	rs117107041	A	G	0.567	0.051	0.053	1.31E-28	0.025	0.020	0.200	0.032	123.053	TRUE	1.77E-27
Overall asthma	BRSK2	cg11307363	rs117431642	T	C	0.747	0.109	0.026	7.57E-12	0.040	0.031	0.200	0.013	46.850	TRUE	2.47E-11
Overall asthma	BRSK2	cg11307363	rs12286473	G	A	-0.287	0.040	0.176	1.10E-12	0.004	0.013	0.740	0.014	50.624	TRUE	2.00E-12
Overall asthma	BRSK2	cg11307363	rs12360952	T	C	0.199	0.035	0.305	1.99E-08	-0.018	0.011	0.092	0.008	31.486	TRUE	5.94E-08
Overall asthma	BRSK2	cg11307363	rs12808343	G	A	-0.178	0.028	0.235	2.59E-10	0.013	0.011	0.250	0.011	39.937	TRUE	7.02E-10
Overall asthma	BRSK2	cg11307363	rs151218125	T	C	-0.337	0.055	0.049	8.20E-10	-0.037	0.023	0.110	0.010	37.693	TRUE	2.74E-09
Overall asthma	BRSK2	cg11307363	rs2735703	G	A	0.234	0.041	0.092	1.02E-08	-0.017	0.016	0.290	0.009	32.776	TRUE	2.29E-08
Overall asthma	BRSK2	cg11307363	rs34666042	T	C	0.262	0.032	0.164	1.05E-16	-0.024	0.013	0.055	0.018	68.837	TRUE	7.88E-16
Overall asthma	BRSK2	cg11307363	rs4255564	C	T	0.938	0.023	0.260	<1E-200	0.020	0.011	0.064	0.311	1673.425	TRUE	<1E-200
Overall asthma	BRSK2	cg11307363	rs55813014	C	T	-0.335	0.023	0.473	6.81E-47	-0.038	0.010	6.90E-05	0.053	206.699	TRUE	2.64E-43
Overall asthma	BRSK2	cg11307363	rs60707923	A	G	-0.322	0.027	0.260	8.83E-34	0.010	0.011	0.370	0.038	146.686	TRUE	1.30E-32
Overall asthma	BRSK2	cg11307363	rs66658795	T	C	-0.272	0.023	0.445	4.83E-31	-0.006	0.010	0.550	0.035	134.170	TRUE	4.02E-30
Overall asthma	BRSK2	cg11307363	rs7395006	C	T	0.323	0.024	0.387	9.72E-41	-0.026	0.010	0.007	0.046	178.519	TRUE	2.67E-38
Overall asthma	BRSK2	cg11307363	rs74542903	T	C	-0.206	0.036	0.118	1.40E-08	-0.022	0.014	0.120	0.009	32.173	TRUE	4.08E-08
Overall asthma	BRSK2	cg11307363	rs79646282	T	C	0.598	0.097	0.038	8.24E-10	0.009	0.024	0.720	0.010	37.682	TRUE	1.32E-09
Overall asthma	BRSK2	cg11661000	rs10835060	T	G	0.248	0.029	0.193	3.45E-17	-0.009	0.012	0.460	0.019	71.029	TRUE	1.12E-16
Overall asthma	BRSK2	cg11661000	rs112708029	G	T	0.262	0.037	0.112	1.22E-12	-0.028	0.015	0.060	0.013	50.426	TRUE	6.26E-12
Overall asthma	BRSK2	cg11661000	rs11603080	A	C	-0.404	0.054	0.048	7.23E-14	-0.009	0.022	0.670	0.015	55.974	TRUE	1.50E-13
Overall asthma	BRSK2	cg11661000	rs11606628	T	C	-0.305	0.026	0.278	9.75E-32	0.022	0.011	0.035	0.036	137.348	TRUE	4.07E-30
Overall asthma	BRSK2	cg11661000	rs117107041	A	G	-0.597	0.051	0.053	1.76E-31	0.025	0.020	0.200	0.036	136.173	TRUE	3.14E-30
Overall asthma	BRSK2	cg11661000	rs12286473	G	A	0.339	0.040	0.176	4.30E-17	0.004	0.013	0.740	0.019	70.596	TRUE	9.95E-17
Overall asthma	BRSK2	cg11661000	rs12808343	G	A	0.224	0.028	0.235	1.95E-15	0.013	0.011	0.250	0.017	63.081	TRUE	7.86E-15
Overall asthma	BRSK2	cg11661000	rs145553613	C	T	-0.752	0.107	0.031	1.77E-12	0.030	0.029	0.310	0.013	49.694	TRUE	5.13E-12
Overall asthma	BRSK2	cg11661000	rs2334657	C	T	0.290	0.024	0.400	2.46E-33	-0.026	0.010	0.007	0.038	144.653	TRUE	2.56E-31
Overall asthma	BRSK2	cg11661000	rs34666042	T	C	-0.344	0.031	0.164	8.00E-28	-0.024	0.013	0.055	0.031	119.470	TRUE	1.84E-26
Overall asthma	BRSK2	cg11661000	rs3793964	T	C	0.411	0.024	0.368	2.76E-66	-0.007	0.010	0.490	0.074	295.603	TRUE	1.56E-63
Overall asthma	BRSK2	cg11661000	rs4255564	C	T	-1.145	0.019	0.260	<1E-200	0.020	0.011	0.064	0.499	3687.225	TRUE	<1E-200
Overall asthma	BRSK2	cg11661000	rs4963039	T	C	-0.665	0.060	0.044	3.01E-28	0.049	0.025	0.052	0.032	121.408	TRUE	8.17E-27
Overall asthma	BRSK2	cg11661000	rs60707923	A	G	0.169	0.027	0.260	2.89E-10	0.010	0.011	0.370	0.011	39.727	TRUE	6.50E-10
Overall asthma	BRSK2	cg11661000	rs66658795	T	C	0.336	0.023	0.445	5.43E-47	-0.006	0.010	0.550	0.053	207.152	TRUE	2.22E-45
Overall asthma	BRSK2	cg11661000	rs7395006	C	T	-0.350	0.024	0.387	8.34E-48	-0.026	0.010	0.007	0.054	210.879	TRUE	6.14E-45
Overall asthma	BRSK2	cg11661000	rs77338313	A	G	-0.813	0.101	0.031	8.85E-16	0.051	0.029	0.075	0.017	64.635	TRUE	5.69E-15
Overall asthma	BRSK2	cg11661000	rs78131782	C	T	-0.675	0.108	0.031	4.32E-10	0.008	0.025	0.740	0.010	38.943	TRUE	6.89E-10
Overall asthma	BRSK2	cg11661000	rs868903	T	C	0.227	0.032	0.473	1.21E-12	-0.019	0.010	0.062	0.013	50.439	TRUE	6.36E-12
Overall asthma	BRSK2	cg11724511	rs10833730	C	A	0.160	0.028	0.242	6.97E-09	0.000	0.011	0.970	0.009	33.526	TRUE	8.87E-09
Overall asthma	BRSK2	cg11724511	rs117266612	A	G	-0.453	0.072	0.027	2.48E-10	-0.064	0.027	0.016	0.011	40.024	TRUE	1.37E-09
Overall asthma	BRSK2	cg11724511	rs7122936	C	A	-0.211	0.024	0.407	5.57E-19	-0.033	0.010	6.50E-04	0.021	79.170	TRUE	1.90E-17
Overall asthma	BRSK2	cg11724511	rs7395567	T	C	0.327	0.026	0.266	3.10E-35	0.018	0.011	0.099	0.040	153.336	TRUE	1.27E-33
Overall asthma	BRSK2	cg11772193	rs12788273	A	G	0.208	0.026	0.277	1.19E-15	0.018	0.011	0.099	0.017	64.050	TRUE	6.89E-15
Overall asthma	BRSK2	cg12064373	rs10766272	T	C	0.759	0.061	0.046	1.25E-35	0.042	0.025	0.093	0.040	155.149	TRUE	5.61E-34
Overall asthma	BRSK2	cg12064373	rs10837407	T	C	-0.217	0.026	0.313	2.54E-17	-0.019	0.010	0.058	0.019	71.636	TRUE	2.11E-16

Overall asthma	BRSK2	cg12064373	rs10837856	T	G	0.388	0.053	0.051	2.26E-13	0.017	0.021	0.410	0.014	53.733	TRUE	5.98E-13
Overall asthma	BRSK2	cg12064373	rs10839220	A	C	0.130	0.024	0.489	3.29E-08	0.000	0.010	0.960	0.008	30.514	TRUE	4.11E-08
Overall asthma	BRSK2	cg12064373	rs111886352	G	C	-0.344	0.038	0.117	1.10E-19	-0.032	0.015	0.039	0.022	82.370	TRUE	1.42E-18
Overall asthma	BRSK2	cg12064373	rs11604757	T	C	0.208	0.036	0.118	1.03E-08	-0.007	0.014	0.630	0.009	32.769	TRUE	1.68E-08
Overall asthma	BRSK2	cg12064373	rs11606628	T	C	0.301	0.026	0.278	4.12E-31	0.022	0.011	0.035	0.035	134.486	TRUE	1.60E-29
Overall asthma	BRSK2	cg12064373	rs117107041	A	G	0.626	0.051	0.053	1.33E-34	0.025	0.020	0.200	0.039	150.444	TRUE	3.26E-33
Overall asthma	BRSK2	cg12064373	rs117926221	T	G	-0.376	0.064	0.090	4.51E-09	0.013	0.018	0.460	0.009	34.373	TRUE	8.55E-09
Overall asthma	BRSK2	cg12064373	rs12286473	G	A	-0.309	0.040	0.176	1.71E-14	0.004	0.013	0.740	0.016	58.811	TRUE	3.41E-14
Overall asthma	BRSK2	cg12064373	rs12575817	T	C	-0.310	0.050	0.060	6.68E-10	-0.048	0.021	0.022	0.010	38.091	TRUE	3.34E-09
Overall asthma	BRSK2	cg12064373	rs181332597	T	C	0.625	0.100	0.036	4.85E-10	0.037	0.029	0.210	0.010	38.716	TRUE	1.36E-09
Overall asthma	BRSK2	cg12064373	rs2735703	G	A	0.290	0.041	0.092	1.40E-12	-0.017	0.016	0.290	0.013	50.163	TRUE	4.15E-12
Overall asthma	BRSK2	cg12064373	rs34666042	T	C	0.348	0.031	0.164	1.69E-28	-0.024	0.013	0.055	0.032	122.555	TRUE	4.18E-27
Overall asthma	BRSK2	cg12064373	rs4255564	C	T	1.184	0.018	0.260	<1E-200	0.020	0.011	0.064	0.536	4278.709	TRUE	<1E-200
Overall asthma	BRSK2	cg12064373	rs4881747	T	C	-0.332	0.059	0.042	1.65E-08	-0.073	0.023	0.001	0.009	31.856	TRUE	1.12E-07
Overall asthma	BRSK2	cg12064373	rs60707923	A	G	-0.180	0.027	0.260	1.71E-11	0.010	0.011	0.370	0.012	45.250	TRUE	4.18E-11
Overall asthma	BRSK2	cg12064373	rs66658795	T	C	-0.345	0.023	0.445	1.59E-49	-0.006	0.010	0.550	0.056	218.761	TRUE	8.68E-48
Overall asthma	BRSK2	cg12064373	rs7118474	G	A	-0.172	0.030	0.194	1.06E-08	-0.038	0.012	0.001	0.009	32.702	TRUE	7.41E-08
Overall asthma	BRSK2	cg12064373	rs7395006	C	T	0.320	0.024	0.387	4.10E-40	-0.026	0.010	0.007	0.045	175.658	TRUE	1.04E-37
Overall asthma	BRSK2	cg12064373	rs74542903	T	C	-0.245	0.036	0.118	1.50E-11	-0.022	0.014	0.120	0.012	45.515	TRUE	5.71E-11
Overall asthma	BRSK2	cg12064373	rs77338313	A	G	0.910	0.101	0.031	1.86E-19	0.051	0.029	0.075	0.022	81.335	TRUE	1.70E-18
Overall asthma	BRSK2	cg12064373	rs78131782	C	T	0.709	0.108	0.031	5.11E-11	0.008	0.025	0.740	0.012	43.111	TRUE	8.55E-11
Overall asthma	BRSK2	cg12064373	rs80138399	A	G	-0.258	0.046	0.076	2.08E-08	-0.027	0.018	0.140	0.008	31.405	TRUE	5.74E-08
Overall asthma	BRSK2	cg12064373	rs868903	T	C	-0.212	0.032	0.473	3.22E-11	-0.019	0.010	0.062	0.012	44.018	TRUE	1.47E-10
Overall asthma	BRSK2	cg12186219	rs10734285	A	C	-0.238	0.031	0.172	2.77E-14	0.003	0.013	0.830	0.015	57.862	TRUE	5.02E-14
Overall asthma	BRSK2	cg12186219	rs10766272	T	C	0.720	0.061	0.046	3.19E-32	0.042	0.025	0.093	0.036	139.566	TRUE	9.86E-31
Overall asthma	BRSK2	cg12186219	rs11039094	C	G	0.216	0.036	0.116	2.13E-09	0.005	0.015	0.720	0.010	35.830	TRUE	3.33E-09
Overall asthma	BRSK2	cg12186219	rs11603080	A	C	0.399	0.054	0.048	1.59E-13	-0.009	0.022	0.670	0.015	54.430	TRUE	3.23E-13
Overall asthma	BRSK2	cg12186219	rs11604075	T	C	0.431	0.025	0.285	2.79E-64	0.023	0.011	0.030	0.072	286.403	TRUE	1.09E-60
Overall asthma	BRSK2	cg12186219	rs11604757	T	C	0.208	0.036	0.118	9.75E-09	-0.007	0.014	0.630	0.009	32.874	TRUE	1.59E-08
Overall asthma	BRSK2	cg12186219	rs117107041	A	G	0.589	0.051	0.053	9.80E-31	0.025	0.020	0.200	0.035	132.769	TRUE	1.62E-29
Overall asthma	BRSK2	cg12186219	rs117654829	T	A	0.872	0.098	0.038	4.26E-19	0.037	0.029	0.210	0.021	79.701	TRUE	2.50E-18
Overall asthma	BRSK2	cg12186219	rs28386994	T	A	-0.264	0.029	0.206	4.26E-20	-0.011	0.012	0.330	0.022	84.251	TRUE	1.99E-19
Overall asthma	BRSK2	cg12186219	rs28672782	T	C	-0.313	0.031	0.184	1.73E-24	-0.001	0.012	0.910	0.027	104.250	TRUE	5.26E-24
Overall asthma	BRSK2	cg12186219	rs34666042	T	C	0.346	0.031	0.164	4.15E-28	-0.024	0.013	0.055	0.032	120.770	TRUE	9.87E-27
Overall asthma	BRSK2	cg12186219	rs3793964	T	C	-0.405	0.024	0.368	2.55E-64	-0.007	0.010	0.490	0.072	286.590	TRUE	1.08E-61
Overall asthma	BRSK2	cg12186219	rs4255564	C	T	1.190	0.018	0.260	<1E-200	0.020	0.011	0.064	0.541	4351.364	TRUE	<1E-200
Overall asthma	BRSK2	cg12186219	rs4881724	A	G	-0.260	0.037	0.116	2.00E-12	-0.038	0.015	0.010	0.013	49.458	TRUE	1.56E-11
Overall asthma	BRSK2	cg12186219	rs5743915	A	G	0.202	0.024	0.415	1.74E-17	0.010	0.010	0.300	0.019	72.386	TRUE	7.36E-17
Overall asthma	BRSK2	cg12186219	rs66496921	C	G	-0.202	0.024	0.405	4.99E-17	-0.021	0.010	0.034	0.019	70.302	TRUE	4.97E-16
Overall asthma	BRSK2	cg12186219	rs7395006	C	T	0.362	0.024	0.387	3.58E-51	-0.026	0.010	0.007	0.058	226.307	TRUE	4.31E-48
Overall asthma	BRSK2	cg12186219	rs77338313	A	G	0.997	0.101	0.031	3.96E-23	0.051	0.029	0.075	0.026	98.057	TRUE	5.17E-22
Overall asthma	BRSK2	cg12186219	rs78131782	C	T	0.746	0.108	0.031	4.62E-12	0.008	0.025	0.740	0.013	47.817	TRUE	8.14E-12

Overall asthma	BRSK2	cg12405684	rs12787736	T	C	-0.182	0.031	0.156	6.99E-09	0.024	0.013	0.072	0.009	33.519	TRUE	2.44E-08
Overall asthma	BRSK2	cg12405684	rs4255564	C	T	0.287	0.026	0.260	8.63E-28	0.020	0.011	0.064	0.031	119.319	TRUE	1.93E-26
Overall asthma	BRSK2	cg13338306	rs111163743	C	T	0.138	0.024	0.363	1.21E-08	-0.006	0.010	0.550	0.009	32.460	TRUE	2.08E-08
Overall asthma	BRSK2	cg13338306	rs117356396	T	C	0.468	0.071	0.027	4.78E-11	-0.064	0.027	0.018	0.012	43.243	TRUE	2.86E-10
Overall asthma	BRSK2	cg13338306	rs7105864	T	C	0.155	0.026	0.293	3.37E-09	0.008	0.011	0.430	0.009	34.936	TRUE	6.57E-09
Overall asthma	BRSK2	cg13880458	rs11028763	C	T	-0.242	0.024	0.359	3.22E-23	-0.016	0.010	0.110	0.026	98.466	TRUE	3.66E-22
Overall asthma	BRSK2	cg13880458	rs117107041	A	G	0.291	0.051	0.053	1.51E-08	0.025	0.020	0.200	0.009	32.025	TRUE	3.69E-08
Overall asthma	BRSK2	cg13880458	rs3793964	T	C	-0.142	0.024	0.368	5.78E-09	-0.007	0.010	0.490	0.009	33.889	TRUE	1.07E-08
Overall asthma	BRSK2	cg13880458	rs56079025	A	G	0.329	0.053	0.106	5.04E-10	-0.041	0.016	0.009	0.010	38.641	TRUE	3.00E-09
Overall asthma	BRSK2	cg13880458	rs61082503	T	G	-0.177	0.024	0.464	2.26E-13	0.007	0.010	0.440	0.014	53.732	TRUE	5.82E-13
Overall asthma	BRSK2	cg13880458	rs66658795	T	C	-0.179	0.024	0.445	3.10E-14	-0.006	0.010	0.550	0.015	57.639	TRUE	7.43E-14
Overall asthma	BRSK2	cg13880458	rs7395006	C	T	0.153	0.024	0.387	3.66E-10	-0.026	0.010	0.007	0.011	39.266	TRUE	2.34E-09
Overall asthma	BRSK2	cg13880458	rs7395567	T	C	0.459	0.026	0.266	2.57E-68	0.018	0.011	0.099	0.076	304.919	TRUE	9.22E-65
Overall asthma	BRSK2	cg13880458	rs79646282	T	C	0.587	0.097	0.038	1.72E-09	0.009	0.024	0.720	0.010	36.247	TRUE	2.72E-09
Overall asthma	BRSK2	cg14021073	rs4255564	C	T	-0.326	0.027	0.260	1.06E-34	0.020	0.011	0.064	0.039	150.896	TRUE	5.05E-33
Overall asthma	BRSK2	cg14021073	rs4881744	G	A	0.158	0.029	0.217	4.38E-08	-0.061	0.012	2.50E-07	0.008	29.957	TRUE	7.24E-07
Overall asthma	BRSK2	cg14064268	rs10734285	A	C	-0.227	0.031	0.172	4.22E-13	0.003	0.013	0.830	0.014	52.509	TRUE	7.21E-13
Overall asthma	BRSK2	cg14064268	rs10766272	T	C	0.699	0.061	0.046	2.00E-30	0.042	0.025	0.093	0.034	131.352	TRUE	5.10E-29
Overall asthma	BRSK2	cg14064268	rs11039094	C	G	0.204	0.036	0.116	1.53E-08	0.005	0.015	0.720	0.009	31.998	TRUE	2.29E-08
Overall asthma	BRSK2	cg14064268	rs113773442	G	C	-0.276	0.037	0.113	1.08E-13	-0.032	0.015	0.033	0.015	55.189	TRUE	7.39E-13
Overall asthma	BRSK2	cg14064268	rs11603080	A	C	0.385	0.054	0.048	9.93E-13	-0.009	0.022	0.670	0.014	50.831	TRUE	1.93E-12
Overall asthma	BRSK2	cg14064268	rs11604075	T	C	0.458	0.025	0.285	4.22E-73	0.023	0.011	0.030	0.081	326.875	TRUE	7.10E-69
Overall asthma	BRSK2	cg14064268	rs117107041	A	G	0.569	0.051	0.053	1.04E-28	0.025	0.020	0.200	0.032	123.508	TRUE	1.42E-27
Overall asthma	BRSK2	cg14064268	rs145553613	C	T	0.840	0.106	0.031	2.89E-15	0.030	0.029	0.310	0.017	62.303	TRUE	1.03E-14
Overall asthma	BRSK2	cg14064268	rs28386994	T	A	-0.274	0.029	0.206	1.44E-21	-0.011	0.012	0.330	0.024	90.944	TRUE	7.56E-21
Overall asthma	BRSK2	cg14064268	rs28672782	T	C	-0.305	0.031	0.184	2.31E-23	-0.001	0.012	0.910	0.026	99.126	TRUE	6.50E-23
Overall asthma	BRSK2	cg14064268	rs34666042	T	C	0.319	0.031	0.164	3.37E-24	-0.024	0.013	0.055	0.027	102.931	TRUE	5.33E-23
Overall asthma	BRSK2	cg14064268	rs3793964	T	C	-0.367	0.024	0.368	9.79E-53	-0.007	0.010	0.490	0.059	233.470	TRUE	8.98E-51
Overall asthma	BRSK2	cg14064268	rs4255564	C	T	1.107	0.019	0.260	<1E-200	0.020	0.011	0.064	0.466	3229.440	TRUE	<1E-200
Overall asthma	BRSK2	cg14064268	rs5743915	A	G	0.199	0.024	0.415	4.84E-17	0.010	0.010	0.300	0.019	70.361	TRUE	1.99E-16
Overall asthma	BRSK2	cg14064268	rs66496921	C	G	-0.157	0.024	0.405	8.01E-11	-0.021	0.010	0.034	0.011	42.232	TRUE	4.13E-10
Overall asthma	BRSK2	cg14064268	rs7395006	C	T	0.336	0.024	0.387	6.55E-44	-0.026	0.010	0.007	0.050	193.040	TRUE	2.78E-41
Overall asthma	BRSK2	cg14064268	rs77338313	A	G	0.956	0.101	0.031	2.47E-21	0.051	0.029	0.075	0.024	89.878	TRUE	2.70E-20
Overall asthma	BRSK2	cg14064268	rs79646282	T	C	0.609	0.097	0.038	4.09E-10	0.009	0.024	0.720	0.010	39.050	TRUE	6.67E-10
Overall asthma	BRSK2	cg14306344	rs7395567	T	C	0.198	0.026	0.266	4.97E-14	0.018	0.011	0.099	0.015	56.711	TRUE	2.48E-13
Overall asthma	BRSK2	cg14621221	rs10832803	T	C	-0.229	0.033	0.159	3.45E-12	-0.060	0.013	9.20E-06	0.013	48.388	TRUE	9.95E-11
Overall asthma	BRSK2	cg14621221	rs11035302	C	A	-0.275	0.025	0.313	3.27E-27	-0.022	0.010	0.033	0.031	116.680	TRUE	1.01E-25
Overall asthma	BRSK2	cg14621221	rs11608241	T	C	0.536	0.092	0.019	4.94E-09	0.001	0.034	0.970	0.009	34.196	TRUE	6.34E-09
Overall asthma	BRSK2	cg14621221	rs143524208	C	T	0.226	0.038	0.103	4.32E-09	-0.028	0.016	0.077	0.009	34.455	TRUE	1.46E-08
Overall asthma	BRSK2	cg14621221	rs2735733	T	C	-0.224	0.024	0.446	2.57E-21	-0.030	0.010	0.002	0.024	89.803	TRUE	9.40E-20
Overall asthma	BRSK2	cg14621221	rs34664315	A	G	0.192	0.028	0.211	1.09E-11	-0.034	0.012	0.004	0.012	46.127	TRUE	9.47E-11
Overall asthma	BRSK2	cg14621221	rs4312093	A	G	-0.297	0.031	0.176	1.11E-21	0.002	0.013	0.890	0.024	91.458	TRUE	2.90E-21

Overall asthma	BRSK2	cg14621221	rs61869029	A	G	0.299	0.039	0.221	1.02E-14	0.025	0.012	0.033	0.016	59.831	TRUE	7.48E-14
Overall asthma	BRSK2	cg14621221	rs7105864	T	C	0.148	0.026	0.293	2.02E-08	0.008	0.011	0.430	0.008	31.453	TRUE	3.75E-08
Overall asthma	BRSK2	cg14621221	rs7395567	T	C	0.676	0.026	0.266	3.74E-154	0.018	0.011	0.099	0.159	699.176	TRUE	2.81E-142
Overall asthma	BRSK2	cg14621221	rs74046935	G	A	-0.294	0.026	0.297	9.54E-31	-0.030	0.011	0.004	0.035	132.821	TRUE	7.78E-29
Overall asthma	BRSK2	cg14621221	rs7482040	C	T	0.492	0.061	0.045	4.68E-16	0.048	0.025	0.055	0.018	65.890	TRUE	3.49E-15
Overall asthma	BRSK2	cg14621221	rs77338313	A	G	0.673	0.101	0.031	3.32E-11	0.051	0.029	0.075	0.012	43.957	TRUE	1.38E-10
Overall asthma	BRSK2	cg15411034	rs10766272	T	C	0.542	0.061	0.046	8.12E-19	0.042	0.025	0.093	0.021	78.427	TRUE	6.52E-18
Overall asthma	BRSK2	cg15411034	rs10832574	T	C	0.231	0.024	0.390	1.96E-21	-0.028	0.010	0.004	0.024	90.338	TRUE	5.75E-20
Overall asthma	BRSK2	cg15411034	rs11599943	T	C	0.566	0.066	0.031	1.33E-17	0.006	0.026	0.830	0.019	72.907	TRUE	2.91E-17
Overall asthma	BRSK2	cg15411034	rs11604075	T	C	0.267	0.026	0.285	2.71E-25	0.023	0.011	0.030	0.028	107.921	TRUE	6.09E-24
Overall asthma	BRSK2	cg15411034	rs117431642	T	C	0.765	0.109	0.026	2.42E-12	0.040	0.031	0.200	0.013	49.087	TRUE	8.22E-12
Overall asthma	BRSK2	cg15411034	rs145553613	C	T	0.713	0.107	0.031	2.36E-11	0.030	0.029	0.310	0.012	44.622	TRUE	6.30E-11
Overall asthma	BRSK2	cg15411034	rs1574122	T	C	-0.224	0.030	0.187	5.95E-14	-0.005	0.012	0.680	0.015	56.357	TRUE	1.23E-13
Overall asthma	BRSK2	cg15411034	rs34666042	T	C	0.252	0.032	0.164	1.41E-15	-0.024	0.013	0.055	0.017	63.719	TRUE	9.49E-15
Overall asthma	BRSK2	cg15411034	rs55813014	C	T	-0.291	0.023	0.473	1.23E-35	-0.038	0.010	6.90E-05	0.040	155.172	TRUE	8.14E-33
Overall asthma	BRSK2	cg15411034	rs7395567	T	C	0.829	0.025	0.266	5.39E-243	0.018	0.011	0.099	0.230	1107.624	TRUE	7.48E-218
Overall asthma	BRSK2	cg15465743	rs1021342	C	T	0.294	0.044	0.079	1.53E-11	-0.017	0.018	0.350	0.012	45.476	TRUE	3.90E-11
Overall asthma	BRSK2	cg15465743	rs10734285	A	C	0.220	0.031	0.172	1.98E-12	0.003	0.013	0.830	0.013	49.478	TRUE	3.27E-12
Overall asthma	BRSK2	cg15465743	rs10766272	T	C	-0.759	0.061	0.046	1.04E-35	0.042	0.025	0.093	0.040	155.500	TRUE	4.74E-34
Overall asthma	BRSK2	cg15465743	rs10832574	T	C	-0.363	0.024	0.390	2.73E-51	-0.028	0.010	0.004	0.058	226.850	TRUE	4.44E-48
Overall asthma	BRSK2	cg15465743	rs10837856	T	G	-0.397	0.053	0.051	6.07E-14	0.017	0.021	0.410	0.015	56.319	TRUE	1.67E-13
Overall asthma	BRSK2	cg15465743	rs11604075	T	C	-0.374	0.026	0.285	1.93E-48	0.023	0.011	0.030	0.055	213.787	TRUE	7.25E-46
Overall asthma	BRSK2	cg15465743	rs117107041	A	G	-0.635	0.051	0.053	1.54E-35	0.025	0.020	0.200	0.040	154.724	TRUE	4.16E-34
Overall asthma	BRSK2	cg15465743	rs12286473	G	A	0.332	0.040	0.176	1.57E-16	0.004	0.013	0.740	0.018	68.038	TRUE	3.52E-16
Overall asthma	BRSK2	cg15465743	rs12575817	T	C	0.328	0.050	0.060	6.14E-11	-0.048	0.021	0.022	0.011	42.753	TRUE	3.45E-10
Overall asthma	BRSK2	cg15465743	rs138604115	T	C	0.297	0.053	0.049	2.28E-08	-0.013	0.022	0.550	0.008	31.223	TRUE	3.86E-08
Overall asthma	BRSK2	cg15465743	rs145553613	C	T	-0.933	0.106	0.031	1.43E-18	0.030	0.029	0.310	0.020	77.316	TRUE	6.55E-18
Overall asthma	BRSK2	cg15465743	rs28386994	T	A	0.260	0.029	0.206	1.75E-19	-0.011	0.012	0.330	0.022	81.454	TRUE	7.82E-19
Overall asthma	BRSK2	cg15465743	rs28672782	T	C	0.302	0.031	0.184	7.16E-23	-0.001	0.012	0.910	0.026	96.884	TRUE	1.96E-22
Overall asthma	BRSK2	cg15465743	rs34666042	T	C	-0.350	0.031	0.164	6.79E-29	-0.024	0.013	0.055	0.033	124.359	TRUE	1.76E-27
Overall asthma	BRSK2	cg15465743	rs3793964	T	C	0.412	0.024	0.368	1.82E-66	-0.007	0.010	0.490	0.074	296.429	TRUE	1.06E-63
Overall asthma	BRSK2	cg15465743	rs4255564	C	T	-1.201	0.018	0.260	<1E-200	0.020	0.011	0.064	0.552	4558.800	TRUE	<1E-200
Overall asthma	BRSK2	cg15465743	rs66496921	C	G	0.210	0.024	0.405	3.29E-18	-0.021	0.010	0.034	0.020	75.665	TRUE	3.71E-17
Overall asthma	BRSK2	cg15465743	rs77338313	A	G	-0.908	0.101	0.031	2.22E-19	0.051	0.029	0.075	0.021	80.989	TRUE	2.01E-18
Overall asthma	BRSK2	cg15465743	rs78131782	C	T	-0.726	0.108	0.031	1.73E-11	0.008	0.025	0.740	0.012	45.227	TRUE	2.97E-11
Overall asthma	BRSK2	cg15465743	rs868903	T	C	0.206	0.032	0.473	1.24E-10	-0.019	0.010	0.062	0.011	41.371	TRUE	5.35E-10
Overall asthma	BRSK2	cg15803845	rs10766272	T	C	0.679	0.061	0.046	1.03E-28	0.042	0.025	0.093	0.032	123.528	TRUE	2.20E-27
Overall asthma	BRSK2	cg15803845	rs10832803	T	C	-0.389	0.033	0.159	1.03E-32	-0.060	0.013	9.20E-06	0.037	141.815	TRUE	8.57E-30
Overall asthma	BRSK2	cg15803845	rs10837856	T	G	0.306	0.053	0.051	7.61E-09	0.017	0.021	0.410	0.009	33.355	TRUE	1.49E-08
Overall asthma	BRSK2	cg15803845	rs113476683	T	G	-0.466	0.038	0.106	1.83E-34	-0.033	0.015	0.027	0.039	149.814	TRUE	1.31E-32
Overall asthma	BRSK2	cg15803845	rs11599943	T	C	0.706	0.066	0.031	1.29E-26	0.006	0.026	0.830	0.030	113.958	TRUE	5.05E-26
Overall asthma	BRSK2	cg15803845	rs117355168	T	C	-0.528	0.085	0.019	4.63E-10	-0.065	0.031	0.033	0.010	38.805	TRUE	2.11E-09

Overall asthma	BRSK2	cg15803845	rs12277732	G	A	-0.280	0.045	0.079	4.49E-10	-0.029	0.018	0.110	0.010	38.868	TRUE	1.54E-09
Overall asthma	BRSK2	cg15803845	rs12792005	A	G	-0.449	0.064	0.038	2.66E-12	0.004	0.024	0.860	0.013	48.901	TRUE	4.28E-12
Overall asthma	BRSK2	cg15803845	rs181332597	T	C	0.650	0.100	0.036	9.82E-11	0.037	0.029	0.210	0.011	41.835	TRUE	2.91E-10
Overall asthma	BRSK2	cg15803845	rs2735703	G	A	0.329	0.041	0.092	7.83E-16	-0.017	0.016	0.290	0.017	64.877	TRUE	2.97E-15
Overall asthma	BRSK2	cg15803845	rs28534794	C	T	-0.168	0.024	0.480	1.08E-12	0.002	0.010	0.850	0.014	50.671	TRUE	1.78E-12
Overall asthma	BRSK2	cg15803845	rs28555282	T	C	-0.569	0.023	0.398	7.00E-133	-0.022	0.010	0.021	0.140	601.412	TRUE	7.04E-123
Overall asthma	BRSK2	cg15803845	rs3793964	T	C	-0.354	0.024	0.368	4.99E-49	-0.007	0.010	0.490	0.055	216.484	TRUE	2.92E-47
Overall asthma	BRSK2	cg15803845	rs4255564	C	T	1.050	0.020	0.260	<1E-200	0.020	0.011	0.064	0.418	2655.638	TRUE	<1E-200
Overall asthma	BRSK2	cg15803845	rs56126327	G	C	0.439	0.047	0.135	8.81E-21	-0.037	0.015	0.011	0.023	87.364	TRUE	1.70E-19
Overall asthma	BRSK2	cg15803845	rs60078451	A	T	0.329	0.050	0.065	3.07E-11	-0.019	0.020	0.330	0.012	44.111	TRUE	7.69E-11
Overall asthma	BRSK2	cg15803845	rs61082503	T	G	-0.366	0.024	0.464	2.52E-53	0.007	0.010	0.440	0.060	236.173	TRUE	2.80E-51
Overall asthma	BRSK2	cg15803845	rs61869676	A	G	0.414	0.046	0.127	4.61E-19	0.021	0.013	0.120	0.021	79.545	TRUE	3.59E-18
Overall asthma	BRSK2	cg15803845	rs66658795	T	C	-0.345	0.023	0.445	2.56E-49	-0.006	0.010	0.550	0.056	217.808	TRUE	1.37E-47
Overall asthma	BRSK2	cg15803845	rs7112918	C	T	0.150	0.024	0.465	3.12E-10	0.005	0.010	0.630	0.011	39.578	TRUE	5.52E-10
Overall asthma	BRSK2	cg15803845	rs72847985	A	G	0.243	0.033	0.146	1.82E-13	0.002	0.014	0.870	0.014	54.162	TRUE	3.07E-13
Overall asthma	BRSK2	cg15803845	rs76324386	T	C	-0.324	0.046	0.072	1.38E-12	-0.017	0.018	0.360	0.013	50.191	TRUE	3.78E-12
Overall asthma	BRSK2	cg15803845	rs77338313	A	G	0.922	0.101	0.031	6.24E-20	0.051	0.029	0.075	0.022	83.497	TRUE	5.95E-19
Overall asthma	BRSK2	cg15803845	rs7939634	T	A	-0.451	0.047	0.059	4.11E-22	-0.013	0.018	0.480	0.025	93.428	TRUE	1.88E-21
Overall asthma	BRSK2	cg15803845	rs79956640	G	A	-0.612	0.082	0.022	1.23E-13	0.050	0.030	0.094	0.015	54.932	TRUE	6.05E-13
Overall asthma	BRSK2	cg16022876	rs7395835	C	T	0.275	0.025	0.316	1.69E-28	0.010	0.010	0.350	0.032	122.557	TRUE	1.68E-27
Overall asthma	BRSK2	cg16274762	rs11604075	T	C	0.228	0.026	0.285	6.77E-19	0.023	0.011	0.030	0.021	78.788	TRUE	7.71E-18
Overall asthma	BRSK2	cg16274762	rs7932863	A	G	0.312	0.026	0.270	2.94E-32	0.017	0.011	0.120	0.036	139.727	TRUE	7.86E-31
Overall asthma	BRSK2	cg16414796	rs10766272	T	C	0.377	0.061	0.046	7.88E-10	0.042	0.025	0.093	0.010	37.769	TRUE	2.75E-09
Overall asthma	BRSK2	cg16414796	rs10832574	T	C	0.251	0.024	0.390	5.03E-25	-0.028	0.010	0.004	0.028	106.699	TRUE	2.30E-23
Overall asthma	BRSK2	cg16414796	rs11604075	T	C	0.210	0.026	0.285	3.47E-16	0.023	0.011	0.030	0.018	66.482	TRUE	2.99E-15
Overall asthma	BRSK2	cg16414796	rs117107041	A	G	0.290	0.051	0.053	1.70E-08	0.025	0.020	0.200	0.009	31.790	TRUE	4.15E-08
Overall asthma	BRSK2	cg16414796	rs3793964	T	C	-0.235	0.024	0.368	2.82E-22	-0.007	0.010	0.490	0.025	94.169	TRUE	1.27E-21
Overall asthma	BRSK2	cg16414796	rs7395567	T	C	0.562	0.026	0.266	1.49E-103	0.018	0.011	0.099	0.112	466.683	TRUE	3.77E-97
Overall asthma	BRSK2	cg16793525	rs7395567	T	C	0.273	0.027	0.266	6.94E-25	0.018	0.011	0.099	0.028	106.062	TRUE	9.61E-24
Overall asthma	BRSK2	cg16885982	rs10833257	T	C	-0.193	0.024	0.471	2.26E-16	0.026	0.010	0.007	0.018	67.323	TRUE	3.12E-15
Overall asthma	BRSK2	cg16885982	rs111886352	G	C	-0.237	0.038	0.117	4.30E-10	-0.032	0.015	0.039	0.010	38.950	TRUE	2.01E-09
Overall asthma	BRSK2	cg16885982	rs34805614	C	A	-0.160	0.024	0.451	1.98E-11	-0.026	0.010	0.007	0.012	44.964	TRUE	1.53E-10
Overall asthma	BRSK2	cg16885982	rs35700114	G	A	0.193	0.028	0.208	1.28E-11	-0.033	0.012	0.004	0.012	45.817	TRUE	1.04E-10
Overall asthma	BRSK2	cg16885982	rs5743931	T	C	0.192	0.031	0.171	8.45E-10	0.012	0.012	0.340	0.010	37.632	TRUE	1.98E-09
Overall asthma	BRSK2	cg16885982	rs61082503	T	G	-0.261	0.024	0.464	1.22E-27	0.007	0.010	0.440	0.031	118.641	TRUE	9.11E-27
Overall asthma	BRSK2	cg16885982	rs61867471	T	C	-0.173	0.031	0.180	2.69E-08	0.019	0.012	0.130	0.008	30.903	TRUE	7.70E-08
Overall asthma	BRSK2	cg16885982	rs61869711	T	C	0.136	0.025	0.329	4.99E-08	-0.011	0.010	0.290	0.008	29.703	TRUE	1.08E-07
Overall asthma	BRSK2	cg16885982	rs74542903	T	C	0.706	0.035	0.118	1.50E-88	-0.022	0.014	0.120	0.097	397.785	TRUE	1.64E-83
Overall asthma	BRSK2	cg17018661	rs10766272	T	C	0.379	0.061	0.046	6.78E-10	0.042	0.025	0.093	0.010	38.061	TRUE	2.38E-09
Overall asthma	BRSK2	cg17018661	rs111886352	G	C	-0.270	0.038	0.117	1.07E-12	-0.032	0.015	0.039	0.014	50.683	TRUE	6.61E-12
Overall asthma	BRSK2	cg17018661	rs11606628	T	C	-0.270	0.026	0.278	2.83E-25	0.022	0.011	0.035	0.028	107.837	TRUE	5.81E-24
Overall asthma	BRSK2	cg17018661	rs116865438	T	C	0.746	0.095	0.016	4.24E-15	-0.028	0.037	0.440	0.016	61.552	TRUE	1.21E-14

Overall asthma	BRSK2	cg17018661	rs11822087	C	A	-0.161	0.027	0.262	2.22E-09	-0.022	0.011	0.050	0.010	35.751	TRUE	8.89E-09
Overall asthma	BRSK2	cg17018661	rs12786504	A	G	0.208	0.034	0.138	1.25E-09	-0.023	0.015	0.120	0.010	36.866	TRUE	3.94E-09
Overall asthma	BRSK2	cg17018661	rs1565368	T	C	0.180	0.028	0.222	1.45E-10	-0.025	0.012	0.030	0.011	41.075	TRUE	6.91E-10
Overall asthma	BRSK2	cg17018661	rs2471912	G	A	-0.279	0.023	0.476	7.29E-33	-0.037	0.010	1.30E-04	0.037	142.496	TRUE	2.70E-30
Overall asthma	BRSK2	cg17018661	rs7102832	T	C	0.153	0.028	0.238	4.27E-08	-0.003	0.011	0.820	0.008	30.007	TRUE	5.89E-08
Overall asthma	BRSK2	cg17018661	rs7395006	C	T	0.153	0.024	0.387	4.01E-10	-0.026	0.010	0.007	0.010	39.085	TRUE	2.55E-09
Overall asthma	BRSK2	cg17018661	rs75723867	A	C	-0.208	0.026	0.283	1.24E-15	0.021	0.010	0.043	0.017	63.972	TRUE	1.02E-14
Overall asthma	BRSK2	cg17018661	rs7932863	A	G	0.525	0.026	0.270	7.77E-91	0.017	0.011	0.120	0.099	408.282	TRUE	1.25E-85
Overall asthma	BRSK2	cg17018661	rs9651654	C	T	0.233	0.028	0.237	4.69E-17	-0.004	0.011	0.760	0.019	70.426	TRUE	1.08E-16
Overall asthma	BRSK2	cg17416644	rs10766272	T	C	0.671	0.061	0.046	4.31E-28	0.042	0.025	0.093	0.032	120.696	TRUE	8.61E-27
Overall asthma	BRSK2	cg17416644	rs10832803	T	C	-0.440	0.033	0.159	1.39E-41	-0.060	0.013	9.20E-06	0.047	182.393	TRUE	4.93E-38
Overall asthma	BRSK2	cg17416644	rs10837856	T	G	0.320	0.053	0.051	1.58E-09	0.017	0.021	0.410	0.010	36.415	TRUE	3.24E-09
Overall asthma	BRSK2	cg17416644	rs113476683	T	G	-0.581	0.038	0.106	3.40E-53	-0.033	0.015	0.027	0.060	235.575	TRUE	2.90E-50
Overall asthma	BRSK2	cg17416644	rs11599943	T	C	0.757	0.066	0.031	2.04E-30	0.006	0.026	0.830	0.034	131.317	TRUE	1.06E-29
Overall asthma	BRSK2	cg17416644	rs116927247	T	C	-0.526	0.072	0.026	4.02E-13	-0.063	0.027	0.019	0.014	52.603	TRUE	2.98E-12
Overall asthma	BRSK2	cg17416644	rs11825487	T	C	0.236	0.030	0.180	7.15E-15	0.027	0.012	0.023	0.016	60.525	TRUE	6.03E-14
Overall asthma	BRSK2	cg17416644	rs12792005	A	G	-0.592	0.064	0.038	2.38E-20	0.004	0.024	0.860	0.023	85.398	TRUE	5.94E-20
Overall asthma	BRSK2	cg17416644	rs145553613	C	T	0.882	0.106	0.031	1.01E-16	0.030	0.029	0.310	0.018	68.919	TRUE	4.00E-16
Overall asthma	BRSK2	cg17416644	rs28533997	C	T	-0.189	0.029	0.235	4.53E-11	-0.008	0.011	0.510	0.012	43.349	TRUE	9.47E-11
Overall asthma	BRSK2	cg17416644	rs28555282	T	C	-0.782	0.022	0.398	1.95E-271	-0.022	0.010	0.021	0.251	1238.419	TRUE	2.86E-240
Overall asthma	BRSK2	cg17416644	rs28699476	G	A	0.268	0.028	0.213	1.96E-21	-0.032	0.012	0.006	0.024	90.337	TRUE	4.86E-20
Overall asthma	BRSK2	cg17416644	rs3793964	T	C	-0.331	0.024	0.368	5.70E-43	-0.007	0.010	0.490	0.049	188.736	TRUE	1.69E-41
Overall asthma	BRSK2	cg17416644	rs4255564	C	T	1.057	0.020	0.260	<1E-200	0.020	0.011	0.064	0.423	2710.461	TRUE	<1E-200
Overall asthma	BRSK2	cg17416644	rs60078451	A	T	0.313	0.050	0.065	2.57E-10	-0.019	0.020	0.330	0.011	39.954	TRUE	6.05E-10
Overall asthma	BRSK2	cg17416644	rs61082503	T	G	-0.436	0.024	0.464	2.76E-76	0.007	0.010	0.440	0.085	341.485	TRUE	8.34E-73
Overall asthma	BRSK2	cg17416644	rs61869676	A	G	0.462	0.046	0.127	1.79E-23	0.021	0.013	0.120	0.026	99.628	TRUE	2.12E-22
Overall asthma	BRSK2	cg17416644	rs66658795	T	C	-0.328	0.023	0.445	1.08E-44	-0.006	0.010	0.550	0.050	196.622	TRUE	3.42E-43
Overall asthma	BRSK2	cg17416644	rs7103274	A	G	-0.182	0.030	0.197	1.39E-09	-0.002	0.012	0.890	0.010	36.669	TRUE	1.93E-09
Overall asthma	BRSK2	cg17416644	rs7108443	G	T	-0.426	0.042	0.089	7.84E-24	-0.009	0.017	0.590	0.027	101.263	TRUE	3.43E-23
Overall asthma	BRSK2	cg17416644	rs72847985	A	G	0.319	0.033	0.146	2.76E-22	0.002	0.014	0.870	0.025	94.213	TRUE	7.66E-22
Overall asthma	BRSK2	cg17416644	rs76324386	T	C	-0.321	0.046	0.072	2.28E-12	-0.017	0.018	0.360	0.013	49.204	TRUE	6.16E-12
Overall asthma	BRSK2	cg17416644	rs77338313	A	G	0.972	0.101	0.031	4.70E-22	0.051	0.029	0.075	0.025	93.160	TRUE	5.52E-21
Overall asthma	BRSK2	cg17416644	rs7939634	T	A	-0.559	0.046	0.059	2.44E-33	-0.013	0.018	0.480	0.038	144.671	TRUE	2.88E-32
Overall asthma	BRSK2	cg17416644	rs79956640	G	A	-0.773	0.082	0.022	5.42E-21	0.050	0.030	0.094	0.023	88.326	TRUE	5.29E-20
Overall asthma	BRSK2	cg17416644	rs868903	T	C	-0.193	0.032	0.473	1.65E-09	-0.019	0.010	0.062	0.010	36.326	TRUE	6.34E-09
Overall asthma	BRSK2	cg17429870	rs10734285	A	C	-0.245	0.031	0.172	4.93E-15	0.003	0.013	0.830	0.016	61.254	TRUE	9.30E-15
Overall asthma	BRSK2	cg17429870	rs10766272	T	C	0.751	0.061	0.046	6.42E-35	0.042	0.025	0.093	0.039	151.893	TRUE	2.67E-33
Overall asthma	BRSK2	cg17429870	rs11029917	T	C	-0.283	0.037	0.116	2.29E-14	-0.038	0.015	0.010	0.015	58.236	TRUE	2.24E-13
Overall asthma	BRSK2	cg17429870	rs11604075	T	C	0.498	0.025	0.285	1.07E-86	0.023	0.011	0.030	0.095	389.270	TRUE	2.15E-81
Overall asthma	BRSK2	cg17429870	rs117107041	A	G	0.605	0.051	0.053	2.47E-32	0.025	0.020	0.200	0.036	140.069	TRUE	4.80E-31
Overall asthma	BRSK2	cg17429870	rs1715357	G	A	0.376	0.053	0.052	1.24E-12	0.015	0.021	0.470	0.013	50.396	TRUE	2.92E-12
Overall asthma	BRSK2	cg17429870	rs200301065	T	C	-0.421	0.072	0.032	4.26E-09	-0.079	0.026	0.003	0.009	34.483	TRUE	2.93E-08

Overall asthma	BRSK2	cg17429870	rs28386994	T	A	-0.263	0.029	0.206	6.46E-20	-0.011	0.012	0.330	0.022	83.429	TRUE	2.98E-19
Overall asthma	BRSK2	cg17429870	rs28672782	T	C	-0.370	0.031	0.184	8.22E-34	-0.001	0.012	0.910	0.038	146.829	TRUE	5.01E-33
Overall asthma	BRSK2	cg17429870	rs34666042	T	C	0.341	0.031	0.164	2.30E-27	-0.024	0.013	0.055	0.031	117.376	TRUE	5.05E-26
Overall asthma	BRSK2	cg17429870	rs3793964	T	C	-0.374	0.024	0.368	7.41E-55	-0.007	0.010	0.490	0.062	243.195	TRUE	8.84E-53
Overall asthma	BRSK2	cg17429870	rs4077759	C	T	-0.148	0.025	0.370	1.64E-09	-0.003	0.010	0.730	0.010	36.339	TRUE	2.57E-09
Overall asthma	BRSK2	cg17429870	rs4255564	C	T	1.165	0.018	0.260	<1E-200	0.020	0.011	0.064	0.518	3971.898	TRUE	<1E-200
Overall asthma	BRSK2	cg17429870	rs5743915	A	G	0.216	0.024	0.415	7.94E-20	0.010	0.010	0.300	0.022	83.020	TRUE	4.05E-19
Overall asthma	BRSK2	cg17429870	rs66496921	C	G	-0.175	0.024	0.405	4.24E-13	-0.021	0.010	0.034	0.014	52.501	TRUE	2.79E-12
Overall asthma	BRSK2	cg17429870	rs72847939	T	C	-0.457	0.081	0.017	1.62E-08	0.037	0.034	0.280	0.009	31.892	TRUE	3.61E-08
Overall asthma	BRSK2	cg17429870	rs7395006	C	T	0.367	0.024	0.387	2.18E-52	-0.026	0.010	0.007	0.059	231.874	TRUE	3.15E-49
Overall asthma	BRSK2	cg17429870	rs77338313	A	G	0.937	0.101	0.031	1.53E-20	0.051	0.029	0.075	0.023	86.273	TRUE	1.55E-19
Overall asthma	BRSK2	cg17429870	rs79646282	T	C	0.700	0.097	0.038	5.92E-13	0.009	0.024	0.720	0.014	51.845	TRUE	1.12E-12
Overall asthma	BRSK2	cg17429870	rs80138399	A	G	-0.271	0.046	0.076	3.83E-09	-0.027	0.018	0.140	0.009	34.690	TRUE	1.13E-08
Overall asthma	BRSK2	cg17658113	rs10734285	A	C	0.234	0.031	0.172	6.57E-14	0.003	0.013	0.830	0.015	56.163	TRUE	1.17E-13
Overall asthma	BRSK2	cg17658113	rs10766272	T	C	-0.752	0.061	0.046	5.51E-35	0.042	0.025	0.093	0.040	152.194	TRUE	2.31E-33
Overall asthma	BRSK2	cg17658113	rs11039094	C	G	-0.229	0.036	0.116	1.96E-10	0.005	0.015	0.720	0.011	40.483	TRUE	3.23E-10
Overall asthma	BRSK2	cg17658113	rs111886352	G	C	0.313	0.038	0.117	1.68E-16	-0.032	0.015	0.039	0.018	67.913	TRUE	1.54E-15
Overall asthma	BRSK2	cg17658113	rs11603080	A	C	-0.402	0.054	0.048	1.06E-13	-0.009	0.022	0.670	0.015	55.227	TRUE	2.18E-13
Overall asthma	BRSK2	cg17658113	rs11604075	T	C	-0.387	0.026	0.285	4.70E-52	0.023	0.011	0.030	0.059	230.346	TRUE	2.92E-49
Overall asthma	BRSK2	cg17658113	rs11604757	T	C	-0.204	0.036	0.118	1.99E-08	-0.007	0.014	0.630	0.008	31.484	TRUE	3.21E-08
Overall asthma	BRSK2	cg17658113	rs117107041	A	G	-0.629	0.051	0.053	7.43E-35	0.025	0.020	0.200	0.039	151.601	TRUE	1.87E-33
Overall asthma	BRSK2	cg17658113	rs12282543	G	A	0.275	0.029	0.221	5.98E-22	-0.009	0.011	0.460	0.024	92.684	TRUE	2.84E-21
Overall asthma	BRSK2	cg17658113	rs145553613	C	T	-0.878	0.106	0.031	1.40E-16	0.030	0.029	0.310	0.018	68.263	TRUE	5.52E-16
Overall asthma	BRSK2	cg17658113	rs28386994	T	A	0.231	0.029	0.206	9.50E-16	-0.011	0.012	0.330	0.017	64.496	TRUE	3.21E-15
Overall asthma	BRSK2	cg17658113	rs34666042	T	C	-0.335	0.031	0.164	1.78E-26	-0.024	0.013	0.055	0.030	113.320	TRUE	3.56E-25
Overall asthma	BRSK2	cg17658113	rs4255564	C	T	-1.203	0.018	0.260	<1E-200	0.020	0.011	0.064	0.554	4592.730	TRUE	<1E-200
Overall asthma	BRSK2	cg17658113	rs4881724	A	G	0.248	0.037	0.116	2.15E-11	-0.038	0.015	0.010	0.012	44.804	TRUE	1.49E-10
Overall asthma	BRSK2	cg17658113	rs55813014	C	T	0.405	0.023	0.473	1.88E-68	-0.038	0.010	6.90E-05	0.076	305.549	TRUE	3.16E-63
Overall asthma	BRSK2	cg17658113	rs5743915	A	G	-0.208	0.024	0.415	1.86E-18	0.010	0.010	0.300	0.020	76.787	TRUE	8.53E-18
Overall asthma	BRSK2	cg17658113	rs7395006	C	T	-0.344	0.024	0.387	5.18E-46	-0.026	0.010	0.007	0.052	202.666	TRUE	2.95E-43
Overall asthma	BRSK2	cg17658113	rs76324386	T	C	0.292	0.046	0.072	1.73E-10	-0.017	0.018	0.360	0.011	40.728	TRUE	4.10E-10
Overall asthma	BRSK2	cg17658113	rs77338313	A	G	-0.950	0.101	0.031	4.12E-21	0.051	0.029	0.075	0.023	88.871	TRUE	4.41E-20
Overall asthma	BRSK2	cg17658113	rs78131782	C	T	-0.659	0.108	0.031	1.06E-09	0.008	0.025	0.740	0.010	37.194	TRUE	1.66E-09
Overall asthma	BRSK2	cg17658113	rs868903	T	C	0.203	0.032	0.473	2.37E-10	-0.019	0.010	0.062	0.011	40.114	TRUE	9.90E-10
Overall asthma	BRSK2	cg18039789	rs10766282	T	A	0.548	0.061	0.046	1.85E-19	0.039	0.025	0.110	0.022	81.352	TRUE	1.42E-18
Overall asthma	BRSK2	cg18039789	rs10832955	T	C	-0.273	0.024	0.368	1.45E-29	-0.025	0.010	0.013	0.033	127.429	TRUE	8.01E-28
Overall asthma	BRSK2	cg18039789	rs10835060	T	G	-0.198	0.029	0.193	2.06E-11	-0.009	0.012	0.460	0.012	44.891	TRUE	4.57E-11
Overall asthma	BRSK2	cg18039789	rs117654829	T	A	0.581	0.098	0.038	3.44E-09	0.037	0.029	0.210	0.009	34.898	TRUE	9.00E-09
Overall asthma	BRSK2	cg18039789	rs34666042	T	C	0.265	0.032	0.164	4.59E-17	-0.024	0.013	0.055	0.019	70.465	TRUE	3.57E-16
Overall asthma	BRSK2	cg18039789	rs4255564	C	T	0.866	0.024	0.260	6.75E-296	0.020	0.011	0.064	0.268	1350.919	TRUE	1.41E-260
Overall asthma	BRSK2	cg18039789	rs4963076	T	C	0.331	0.023	0.498	1.32E-45	0.018	0.010	0.066	0.051	200.810	TRUE	2.53E-43
Overall asthma	BRSK2	cg18039789	rs5743915	A	G	0.142	0.024	0.415	2.33E-09	0.010	0.010	0.300	0.010	35.655	TRUE	5.41E-09

Overall asthma	BRSK2	cg18039789	rs61867539	T	C	0.242	0.027	0.245	4.77E-19	0.025	0.011	0.023	0.021	79.480	TRUE	6.43E-18
Overall asthma	BRSK2	cg18039789	rs66658795	T	C	-0.219	0.024	0.445	1.27E-20	-0.006	0.010	0.550	0.023	86.637	TRUE	4.66E-20
Overall asthma	BRSK2	cg18039789	rs7395006	C	T	0.224	0.024	0.387	3.67E-20	-0.026	0.010	0.007	0.022	84.546	TRUE	7.73E-19
Overall asthma	BRSK2	cg18039789	rs77338313	A	G	0.829	0.101	0.031	2.52E-16	0.051	0.029	0.075	0.018	67.107	TRUE	1.71E-15
Overall asthma	BRSK2	cg18049328	rs10766282	T	A	0.414	0.061	0.046	1.03E-11	0.039	0.025	0.110	0.012	46.244	TRUE	3.97E-11
Overall asthma	BRSK2	cg18049328	rs10832574	T	C	0.180	0.024	0.390	1.53E-13	-0.028	0.010	0.004	0.015	54.506	TRUE	1.70E-12
Overall asthma	BRSK2	cg18049328	rs11604075	T	C	0.251	0.026	0.285	1.85E-22	0.023	0.011	0.030	0.025	95.004	TRUE	3.07E-21
Overall asthma	BRSK2	cg18049328	rs34666042	T	C	0.180	0.032	0.164	1.20E-08	-0.024	0.013	0.055	0.009	32.462	TRUE	4.11E-08
Overall asthma	BRSK2	cg18049328	rs3793964	T	C	-0.214	0.024	0.368	1.23E-18	-0.007	0.010	0.490	0.021	77.605	TRUE	4.25E-18
Overall asthma	BRSK2	cg18049328	rs4312093	A	G	-0.205	0.031	0.176	4.69E-11	0.002	0.013	0.890	0.012	43.279	TRUE	6.95E-11
Overall asthma	BRSK2	cg18049328	rs7395567	T	C	0.633	0.026	0.266	8.32E-133	0.018	0.011	0.099	0.140	601.073	TRUE	1.97E-123
Overall asthma	BRSK2	cg18049328	rs77338313	A	G	0.597	0.102	0.031	4.23E-09	0.051	0.029	0.075	0.009	34.496	TRUE	1.44E-08
Overall asthma	BRSK2	cg18049328	rs7951820	T	C	-0.163	0.029	0.213	1.08E-08	-0.010	0.012	0.400	0.009	32.669	TRUE	2.11E-08
Overall asthma	BRSK2	cg18133074	rs60707923	A	G	-0.223	0.026	0.260	2.37E-17	0.010	0.011	0.370	0.019	71.773	TRUE	8.74E-17
Overall asthma	BRSK2	cg18509719	rs10766272	T	C	-0.446	0.061	0.046	3.30E-13	0.042	0.025	0.093	0.014	52.993	TRUE	1.57E-12
Overall asthma	BRSK2	cg18509719	rs10832574	T	C	-0.172	0.024	0.390	1.67E-12	-0.028	0.010	0.004	0.013	49.814	TRUE	1.63E-11
Overall asthma	BRSK2	cg18509719	rs11029917	T	C	0.294	0.037	0.116	1.98E-15	-0.038	0.015	0.010	0.017	63.051	TRUE	2.19E-14
Overall asthma	BRSK2	cg18509719	rs115584864	C	G	0.165	0.026	0.273	3.44E-10	-0.013	0.011	0.230	0.011	39.389	TRUE	9.20E-10
Overall asthma	BRSK2	cg18509719	rs11604075	T	C	-0.223	0.026	0.285	4.23E-18	0.023	0.011	0.030	0.020	75.171	TRUE	4.44E-17
Overall asthma	BRSK2	cg18509719	rs117107041	A	G	-0.346	0.051	0.053	1.67E-11	0.025	0.020	0.200	0.012	45.301	TRUE	5.17E-11
Overall asthma	BRSK2	cg18509719	rs117479064	C	T	0.384	0.068	0.034	1.98E-08	-0.081	0.026	0.002	0.008	31.499	TRUE	1.29E-07
Overall asthma	BRSK2	cg18509719	rs1881509	A	G	0.242	0.031	0.177	6.24E-15	0.004	0.012	0.750	0.016	60.792	TRUE	1.28E-14
Overall asthma	BRSK2	cg18509719	rs28454072	T	G	-0.294	0.053	0.051	3.42E-08	0.017	0.021	0.420	0.008	30.439	TRUE	6.43E-08
Overall asthma	BRSK2	cg18509719	rs34666042	T	C	-0.215	0.032	0.164	9.74E-12	-0.024	0.013	0.055	0.012	46.354	TRUE	4.52E-11
Overall asthma	BRSK2	cg18509719	rs5743915	A	G	-0.130	0.024	0.415	4.18E-08	0.010	0.010	0.300	0.008	30.048	TRUE	8.85E-08
Overall asthma	BRSK2	cg18509719	rs7395567	T	C	-0.702	0.025	0.266	3.93E-168	0.018	0.011	0.099	0.171	763.426	TRUE	1.81E-154
Overall asthma	BRSK2	cg18509719	rs868903	T	C	0.179	0.032	0.473	2.24E-08	-0.019	0.010	0.062	0.008	31.261	TRUE	7.63E-08
Overall asthma	BRSK2	cg18539086	rs11607958	C	T	0.135	0.025	0.348	4.32E-08	0.015	0.010	0.140	0.008	29.982	TRUE	1.16E-07
Overall asthma	BRSK2	cg18539086	rs117107041	A	G	0.295	0.051	0.053	8.65E-09	0.025	0.020	0.200	0.009	33.106	TRUE	2.16E-08
Overall asthma	BRSK2	cg18539086	rs3793964	T	C	-0.136	0.024	0.368	1.95E-08	-0.007	0.010	0.490	0.008	31.523	TRUE	3.50E-08
Overall asthma	BRSK2	cg18539086	rs4255564	C	T	0.364	0.027	0.260	9.07E-43	0.020	0.011	0.064	0.048	187.814	TRUE	1.13E-40
Overall asthma	BRSK2	cg19494188	rs7395567	T	C	0.294	0.027	0.266	1.24E-28	0.018	0.011	0.099	0.032	123.169	TRUE	2.50E-27
Overall asthma	BRSK2	cg19613205	rs10766282	T	A	0.504	0.061	0.046	1.08E-16	0.039	0.025	0.110	0.018	68.789	TRUE	6.45E-16
Overall asthma	BRSK2	cg19613205	rs10835060	T	G	-0.213	0.029	0.193	4.87E-13	-0.009	0.012	0.460	0.014	52.227	TRUE	1.20E-12
Overall asthma	BRSK2	cg19613205	rs10902093	G	A	0.142	0.025	0.325	2.09E-08	-0.051	0.010	8.70E-07	0.008	31.390	TRUE	3.75E-07
Overall asthma	BRSK2	cg19613205	rs11029917	T	C	-0.216	0.037	0.116	5.45E-09	-0.038	0.015	0.010	0.009	34.002	TRUE	2.81E-08
Overall asthma	BRSK2	cg19613205	rs11606628	T	C	0.277	0.026	0.278	2.32E-26	0.022	0.011	0.035	0.030	112.797	TRUE	5.34E-25
Overall asthma	BRSK2	cg19613205	rs117107041	A	G	0.529	0.051	0.053	5.78E-25	0.025	0.020	0.200	0.028	106.426	TRUE	5.54E-24
Overall asthma	BRSK2	cg19613205	rs12286473	G	A	-0.238	0.040	0.176	4.12E-09	0.004	0.013	0.740	0.009	34.547	TRUE	6.24E-09
Overall asthma	BRSK2	cg19613205	rs12808343	G	A	-0.229	0.028	0.235	4.34E-16	0.013	0.011	0.250	0.018	66.042	TRUE	1.84E-15
Overall asthma	BRSK2	cg19613205	rs34666042	T	C	0.300	0.032	0.164	1.82E-21	-0.024	0.013	0.055	0.024	90.481	TRUE	2.18E-20
Overall asthma	BRSK2	cg19613205	rs3793964	T	C	-0.345	0.024	0.368	1.64E-46	-0.007	0.010	0.490	0.052	204.950	TRUE	7.20E-45

Overall asthma	BRSK2	cg19613205	rs66496921	C	G	-0.145	0.024	0.405	1.86E-09	-0.021	0.010	0.034	0.010	36.093	TRUE	8.26E-09
Overall asthma	BRSK2	cg19613205	rs66658795	T	C	-0.307	0.023	0.445	3.10E-39	-0.006	0.010	0.550	0.044	171.635	TRUE	5.55E-38
Overall asthma	BRSK2	cg19613205	rs7395006	C	T	0.305	0.024	0.387	1.87E-36	-0.026	0.010	0.007	0.041	158.916	TRUE	2.91E-34
Overall asthma	BRSK2	cg19613205	rs7395567	T	C	0.870	0.025	0.266	3.24E-272	0.018	0.011	0.099	0.251	1242.003	TRUE	9.03E-242
Overall asthma	BRSK2	cg19613205	rs77338313	A	G	0.684	0.101	0.031	1.51E-11	0.051	0.029	0.075	0.012	45.497	TRUE	6.50E-11
Overall asthma	BRSK2	cg19613205	rs78928236	T	C	0.293	0.053	0.049	4.27E-08	0.007	0.021	0.750	0.008	30.006	TRUE	6.16E-08
Overall asthma	BRSK2	cg19713911	rs11035302	C	A	0.147	0.026	0.313	9.26E-09	-0.022	0.010	0.033	0.009	32.974	TRUE	3.87E-08
Overall asthma	BRSK2	cg19713911	rs112781328	T	A	0.315	0.041	0.088	1.17E-14	-0.064	0.017	1.70E-04	0.016	59.551	TRUE	2.86E-13
Overall asthma	BRSK2	cg19713911	rs117107041	A	G	-0.338	0.051	0.053	4.21E-11	0.025	0.020	0.200	0.012	43.491	TRUE	1.26E-10
Overall asthma	BRSK2	cg19713911	rs3168046	A	G	-0.202	0.024	0.447	2.32E-17	0.024	0.010	0.011	0.019	71.814	TRUE	3.12E-16
Overall asthma	BRSK2	cg19713911	rs77338313	A	G	-0.609	0.102	0.031	2.10E-09	0.051	0.029	0.075	0.010	35.856	TRUE	7.37E-09
Overall asthma	BRSK2	cg19713911	rs7932863	A	G	-0.441	0.026	0.270	4.39E-64	0.017	0.011	0.120	0.072	285.502	TRUE	7.04E-61
Overall asthma	BRSK2	cg19977004	rs7939634	T	A	0.511	0.046	0.059	2.98E-29	-0.013	0.018	0.480	0.033	125.997	TRUE	2.43E-28
Overall asthma	BRSK2	cg20129113	rs10766750	T	C	0.643	0.030	0.178	3.46E-104	0.005	0.012	0.690	0.113	469.592	TRUE	8.47E-99
Overall asthma	BRSK2	cg20129113	rs11029977	T	C	0.151	0.024	0.389	2.43E-10	-0.028	0.010	0.004	0.011	40.063	TRUE	1.79E-09
Overall asthma	BRSK2	cg20129113	rs111163743	C	T	-0.163	0.024	0.363	9.44E-12	-0.006	0.010	0.550	0.012	46.417	TRUE	1.95E-11
Overall asthma	BRSK2	cg20129113	rs113969661	T	C	0.525	0.084	0.018	3.83E-10	0.034	0.036	0.340	0.010	39.179	TRUE	8.86E-10
Overall asthma	BRSK2	cg20129113	rs114715203	C	T	-0.472	0.069	0.035	6.37E-12	0.059	0.028	0.036	0.013	47.186	TRUE	3.56E-11
Overall asthma	BRSK2	cg20129113	rs115584864	C	G	-0.199	0.026	0.273	1.12E-14	-0.013	0.011	0.230	0.016	59.633	TRUE	4.27E-14
Overall asthma	BRSK2	cg20129113	rs116813619	A	G	-0.740	0.126	0.010	4.18E-09	-0.013	0.050	0.790	0.009	34.520	TRUE	6.11E-09
Overall asthma	BRSK2	cg20129113	rs1317780	G	C	-0.190	0.028	0.225	1.33E-11	0.016	0.011	0.160	0.012	45.752	TRUE	4.72E-11
Overall asthma	BRSK2	cg20129113	rs2029463	T	C	0.238	0.034	0.132	2.05E-12	-0.019	0.014	0.180	0.013	49.413	TRUE	7.32E-12
Overall asthma	BRSK2	cg20129113	rs2943527	A	G	0.146	0.025	0.319	2.77E-09	0.027	0.010	0.008	0.009	35.323	TRUE	1.62E-08
Overall asthma	BRSK2	cg20129113	rs7124503	T	G	-0.998	0.053	0.050	9.43E-80	0.023	0.023	0.320	0.088	357.395	TRUE	7.56E-76
Overall asthma	BRSK2	cg20129113	rs79956640	G	A	0.570	0.081	0.022	1.80E-12	0.050	0.030	0.094	0.013	49.665	TRUE	7.95E-12
Overall asthma	BRSK2	cg20415517	rs28587036	A	T	-0.245	0.024	0.330	1.35E-23	0.001	0.010	0.920	0.026	100.193	TRUE	3.82E-23
Overall asthma	BRSK2	cg21782309	rs10831708	A	C	-0.229	0.032	0.165	5.00E-13	-0.048	0.013	2.30E-04	0.014	52.176	TRUE	9.11E-12
Overall asthma	BRSK2	cg21782309	rs117148214	G	T	-1.835	0.072	0.027	9.13E-145	-0.074	0.026	0.004	0.151	656.032	TRUE	8.65E-133
Overall asthma	BRSK2	cg21782309	rs12575675	G	T	-0.239	0.029	0.209	2.81E-16	-0.005	0.012	0.640	0.018	66.898	TRUE	6.80E-16
Overall asthma	BRSK2	cg21782309	rs17173843	T	C	-0.223	0.032	0.166	1.69E-12	0.004	0.013	0.750	0.013	49.791	TRUE	2.99E-12
Overall asthma	BRSK2	cg21782309	rs5743899	C	T	-0.217	0.029	0.209	8.99E-14	-0.043	0.012	3.80E-04	0.015	55.546	TRUE	1.70E-12
Overall asthma	BRSK2	cg21782309	rs6421028	G	A	-0.173	0.025	0.337	4.23E-12	-0.018	0.010	0.067	0.013	47.990	TRUE	1.97E-11
Overall asthma	BRSK2	cg21782309	rs72850947	A	G	-0.392	0.048	0.073	2.20E-16	0.008	0.017	0.650	0.018	67.382	TRUE	5.42E-16
Overall asthma	BRSK2	cg21782309	rs75723867	A	C	-0.154	0.026	0.283	3.73E-09	0.021	0.010	0.043	0.009	34.742	TRUE	1.54E-08
Overall asthma	BRSK2	cg21782309	rs7932863	A	G	0.169	0.027	0.270	1.84E-10	0.017	0.011	0.120	0.011	40.606	TRUE	6.28E-10
Overall asthma	BRSK2	cg21782309	rs7935124	A	G	-0.298	0.033	0.152	2.92E-19	-0.043	0.013	0.001	0.021	80.447	TRUE	9.56E-18
Overall asthma	BRSK2	cg21782309	rs80228114	T	G	-0.239	0.029	0.201	5.24E-16	-0.033	0.012	0.005	0.017	65.670	TRUE	7.29E-15
Overall asthma	BRSK2	cg21919719	rs10766272	T	C	0.601	0.061	0.046	8.28E-23	0.042	0.025	0.093	0.025	96.597	TRUE	9.74E-22
Overall asthma	BRSK2	cg21919719	rs10832574	T	C	0.263	0.024	0.390	2.48E-27	-0.028	0.010	0.004	0.031	117.222	TRUE	1.51E-25
Overall asthma	BRSK2	cg21919719	rs10837858	A	G	0.354	0.053	0.051	2.33E-11	0.018	0.021	0.400	0.012	44.647	TRUE	5.55E-11
Overall asthma	BRSK2	cg21919719	rs111886352	G	C	-0.242	0.038	0.117	1.72E-10	-0.032	0.015	0.039	0.011	40.745	TRUE	8.37E-10
Overall asthma	BRSK2	cg21919719	rs113773442	G	C	-0.216	0.037	0.113	6.90E-09	-0.032	0.015	0.033	0.009	33.544	TRUE	2.82E-08

Overall asthma	BRSK2	cg21919719	rs115584864	C	G	-0.228	0.026	0.273	2.79E-18	-0.013	0.011	0.230	0.020	75.990	TRUE	1.41E-17
Overall asthma	BRSK2	cg21919719	rs11604075	T	C	0.296	0.026	0.285	1.37E-30	0.023	0.011	0.030	0.034	132.101	TRUE	5.54E-29
Overall asthma	BRSK2	cg21919719	rs117107041	A	G	0.488	0.051	0.053	1.93E-21	0.025	0.020	0.200	0.024	90.368	TRUE	1.35E-20
Overall asthma	BRSK2	cg21919719	rs12286473	G	A	-0.233	0.040	0.176	8.37E-09	0.004	0.013	0.740	0.009	33.170	TRUE	1.25E-08
Overall asthma	BRSK2	cg21919719	rs145553613	C	T	0.829	0.106	0.031	6.49E-15	0.030	0.029	0.310	0.016	60.714	TRUE	2.25E-14
Overall asthma	BRSK2	cg21919719	rs151218125	T	C	-0.373	0.055	0.049	1.02E-11	-0.037	0.023	0.110	0.012	46.260	TRUE	4.06E-11
Overall asthma	BRSK2	cg21919719	rs28386994	T	A	-0.158	0.029	0.206	4.13E-08	-0.011	0.012	0.330	0.008	30.072	TRUE	8.18E-08
Overall asthma	BRSK2	cg21919719	rs34666042	T	C	0.311	0.031	0.164	5.72E-23	-0.024	0.013	0.055	0.026	97.330	TRUE	7.97E-22
Overall asthma	BRSK2	cg21919719	rs4255564	C	T	0.930	0.023	0.260	<1E-200	0.020	0.011	0.064	0.307	1635.352	TRUE	<1E-200
Overall asthma	BRSK2	cg21919719	rs55813014	C	T	-0.372	0.023	0.473	1.36E-57	-0.038	0.010	6.90E-05	0.065	255.742	TRUE	3.19E-53
Overall asthma	BRSK2	cg21919719	rs77338313	A	G	0.736	0.101	0.031	3.81E-13	0.051	0.029	0.075	0.014	52.708	TRUE	1.91E-12
Overall asthma	BRSK2	cg23163513	rs12221827	C	T	0.155	0.025	0.322	5.91E-10	0.012	0.010	0.250	0.010	38.331	TRUE	1.57E-09
Overall asthma	BRSK2	cg23163513	rs2334501	T	C	-0.199	0.027	0.256	1.46E-13	-0.032	0.011	0.004	0.015	54.592	TRUE	1.69E-12
Overall asthma	BRSK2	cg23163513	rs3829225	T	C	-0.324	0.025	0.306	5.85E-40	-0.004	0.010	0.710	0.045	174.954	TRUE	8.72E-39
Overall asthma	BRSK2	cg23163513	rs555319376	T	G	-1.425	0.171	0.012	9.35E-17	0.009	0.048	0.850	0.018	69.064	TRUE	1.90E-16
Overall asthma	BRSK2	cg23372535	rs12788273	A	G	0.192	0.026	0.277	1.51E-13	0.018	0.011	0.099	0.015	54.522	TRUE	7.23E-13
Overall asthma	BRSK2	cg23571839	rs10832442	C	T	-0.225	0.024	0.412	2.36E-21	-0.034	0.010	4.40E-04	0.024	89.972	TRUE	1.21E-19
Overall asthma	BRSK2	cg23571839	rs11025835	G	A	0.345	0.054	0.058	1.83E-10	-0.018	0.021	0.380	0.011	40.617	TRUE	4.11E-10
Overall asthma	BRSK2	cg23571839	rs118072498	A	G	-0.345	0.054	0.094	1.72E-10	-0.030	0.015	0.053	0.011	40.745	TRUE	7.72E-10
Overall asthma	BRSK2	cg23571839	rs141653894	T	C	-0.334	0.051	0.061	5.75E-11	-0.050	0.021	0.015	0.011	42.880	TRUE	3.44E-10
Overall asthma	BRSK2	cg23571839	rs145490652	G	A	0.235	0.042	0.090	2.92E-08	-0.057	0.017	9.40E-04	0.008	30.741	TRUE	2.10E-07
Overall asthma	BRSK2	cg23571839	rs61867657	T	C	-0.515	0.023	0.473	4.20E-110	-0.004	0.010	0.660	0.118	496.766	TRUE	3.70E-104
Overall asthma	BRSK2	cg23571839	rs7947308	T	C	0.226	0.030	0.185	3.63E-14	-0.008	0.012	0.540	0.015	57.326	TRUE	8.92E-14
Overall asthma	BRSK2	cg24206507	rs9795439	A	G	-0.289	0.030	0.190	1.25E-22	-0.007	0.012	0.580	0.025	95.789	TRUE	5.10E-22
Overall asthma	BRSK2	cg25271479	rs10766272	T	C	0.714	0.061	0.046	1.17E-31	0.042	0.025	0.093	0.036	136.994	TRUE	3.39E-30
Overall asthma	BRSK2	cg25271479	rs10837407	T	C	-0.195	0.026	0.313	3.18E-14	-0.019	0.010	0.058	0.015	57.590	TRUE	1.95E-13
Overall asthma	BRSK2	cg25271479	rs11603080	A	C	0.363	0.054	0.048	1.89E-11	-0.009	0.022	0.670	0.012	45.055	TRUE	3.44E-11
Overall asthma	BRSK2	cg25271479	rs11606628	T	C	0.289	0.026	0.278	8.75E-29	0.022	0.011	0.035	0.032	123.857	TRUE	2.62E-27
Overall asthma	BRSK2	cg25271479	rs117107041	A	G	0.628	0.051	0.053	9.78E-35	0.025	0.020	0.200	0.039	151.056	TRUE	2.43E-33
Overall asthma	BRSK2	cg25271479	rs117654829	T	A	0.703	0.098	0.038	8.03E-13	0.037	0.029	0.210	0.014	51.247	TRUE	2.81E-12
Overall asthma	BRSK2	cg25271479	rs12286473	G	A	-0.330	0.040	0.176	2.47E-16	0.004	0.013	0.740	0.018	67.148	TRUE	5.47E-16
Overall asthma	BRSK2	cg25271479	rs12575817	T	C	-0.276	0.050	0.060	3.88E-08	-0.048	0.021	0.022	0.008	30.192	TRUE	1.58E-07
Overall asthma	BRSK2	cg25271479	rs12808343	G	A	-0.157	0.028	0.235	2.58E-08	0.013	0.011	0.250	0.008	30.986	TRUE	5.97E-08
Overall asthma	BRSK2	cg25271479	rs34666042	T	C	0.365	0.031	0.164	2.84E-31	-0.024	0.013	0.055	0.035	135.228	TRUE	9.49E-30
Overall asthma	BRSK2	cg25271479	rs3793964	T	C	-0.421	0.024	0.368	1.72E-69	-0.007	0.010	0.490	0.077	310.307	TRUE	1.56E-66
Overall asthma	BRSK2	cg25271479	rs4255564	C	T	1.146	0.019	0.260	<1E-200	0.020	0.011	0.064	0.501	3716.057	TRUE	<1E-200
Overall asthma	BRSK2	cg25271479	rs60707923	A	G	-0.159	0.027	0.260	2.69E-09	0.010	0.011	0.370	0.009	35.380	TRUE	5.66E-09
Overall asthma	BRSK2	cg25271479	rs66496921	C	G	-0.207	0.024	0.405	9.78E-18	-0.021	0.010	0.034	0.019	73.517	TRUE	1.05E-16
Overall asthma	BRSK2	cg25271479	rs66658795	T	C	-0.338	0.023	0.445	1.75E-47	-0.006	0.010	0.550	0.054	209.410	TRUE	7.54E-46
Overall asthma	BRSK2	cg25271479	rs7395006	C	T	0.332	0.024	0.387	5.22E-43	-0.026	0.010	0.007	0.049	188.912	TRUE	1.95E-40
Overall asthma	BRSK2	cg25271479	rs7479551	T	A	0.139	0.025	0.342	3.15E-08	-0.045	0.010	6.90E-06	0.008	30.596	TRUE	4.02E-07
Overall asthma	BRSK2	cg25271479	rs76324386	T	C	-0.269	0.046	0.072	4.31E-09	-0.017	0.018	0.360	0.009	34.461	TRUE	9.27E-09

Overall asthma	BRSK2	cg25271479	rs77338313	A	G	0.884	0.101	0.031	2.09E-18	0.051	0.029	0.075	0.020	76.558	TRUE	1.73E-17
Overall asthma	BRSK2	cg25271479	rs78131782	C	T	0.648	0.108	0.031	2.07E-09	0.008	0.025	0.740	0.010	35.884	TRUE	3.20E-09
Overall asthma	BRSK2	cg25271479	rs868903	T	C	-0.177	0.032	0.473	3.11E-08	-0.019	0.010	0.062	0.008	30.621	TRUE	1.05E-07
Overall asthma	BRSK2	cg25630794	rs11604075	T	C	0.147	0.025	0.285	8.22E-09	0.023	0.011	0.030	0.009	33.204	TRUE	3.26E-08
Overall asthma	BRSK2	cg25630794	rs28766032	G	A	-0.163	0.028	0.222	4.71E-09	-0.013	0.011	0.270	0.009	34.285	TRUE	1.16E-08
Overall asthma	BRSK2	cg25630794	rs7395567	T	C	0.326	0.026	0.266	8.56E-36	0.018	0.011	0.099	0.040	155.894	TRUE	3.73E-34
Overall asthma	BRSK2	cg25836589	rs10766599	G	A	0.308	0.027	0.270	3.17E-30	0.019	0.011	0.088	0.034	130.439	TRUE	8.33E-29
Overall asthma	BRSK2	cg25836589	rs115584864	C	G	-0.149	0.026	0.273	1.30E-08	-0.013	0.011	0.230	0.009	32.311	TRUE	3.09E-08
Overall asthma	BRSK2	cg26367591	rs7395567	T	C	-0.252	0.026	0.266	1.86E-21	0.018	0.011	0.099	0.024	90.443	TRUE	1.84E-20
Overall asthma	BRSK2	cg26677995	rs10766272	T	C	0.556	0.061	0.046	1.10E-19	0.042	0.025	0.093	0.022	82.374	TRUE	9.60E-19
Overall asthma	BRSK2	cg26677995	rs10832805	C	G	-0.207	0.029	0.217	8.20E-13	-0.061	0.012	2.90E-07	0.014	51.207	TRUE	3.58E-11
Overall asthma	BRSK2	cg26677995	rs11028763	C	T	-0.182	0.024	0.359	1.13E-13	-0.016	0.010	0.110	0.015	55.094	TRUE	5.33E-13
Overall asthma	BRSK2	cg26677995	rs117107041	A	G	0.292	0.051	0.053	1.39E-08	0.025	0.020	0.200	0.009	32.188	TRUE	3.40E-08
Overall asthma	BRSK2	cg26677995	rs12787736	T	C	-0.342	0.032	0.156	8.77E-27	0.024	0.013	0.072	0.030	114.724	TRUE	1.81E-25
Overall asthma	BRSK2	cg26677995	rs34666042	T	C	0.276	0.032	0.164	1.99E-18	-0.024	0.013	0.055	0.020	76.657	TRUE	1.77E-17
Overall asthma	BRSK2	cg26677995	rs3793964	T	C	-0.268	0.024	0.368	1.46E-28	-0.007	0.010	0.490	0.032	122.838	TRUE	1.09E-27
Overall asthma	BRSK2	cg26677995	rs66658795	T	C	-0.246	0.024	0.445	1.31E-25	-0.006	0.010	0.550	0.029	109.369	TRUE	6.94E-25
Overall asthma	BRSK2	cg26677995	rs7395567	T	C	0.826	0.025	0.266	1.48E-241	0.018	0.011	0.099	0.229	1101.004	TRUE	1.16E-216
Overall asthma	BRSK2	cg26677995	rs77338313	A	G	0.769	0.101	0.031	3.09E-14	0.051	0.029	0.075	0.015	57.643	TRUE	1.72E-13
Overall asthma	CAPN1	cg04962005	rs10895993	T	C	-0.465	0.043	0.074	8.14E-27	0.012	0.017	0.480	0.030	114.872	TRUE	5.33E-26
Overall asthma	CAPN1	cg05033401	rs11605576	A	C	0.163	0.025	0.360	3.65E-11	-0.013	0.010	0.210	0.012	43.769	TRUE	1.14E-10
Overall asthma	CAPN1	cg07710883	rs11227132	G	A	0.468	0.084	0.017	2.18E-08	0.010	0.032	0.770	0.008	31.310	TRUE	3.15E-08
Overall asthma	CAPN1	cg07710883	rs1195963	T	C	0.265	0.031	0.172	6.68E-18	0.010	0.013	0.430	0.020	74.269	TRUE	2.34E-17
Overall asthma	CAPN1	cg07710883	rs1196617	C	T	0.181	0.023	0.467	1.27E-14	-0.003	0.010	0.790	0.016	59.393	TRUE	2.46E-14
Overall asthma	CAPN1	cg07710883	rs148097428	A	G	0.352	0.055	0.047	2.11E-10	-0.012	0.022	0.580	0.011	40.336	TRUE	3.91E-10
Overall asthma	CAPN1	cg07710883	rs564476	T	C	-0.525	0.044	0.077	2.09E-32	0.044	0.018	0.014	0.037	140.405	TRUE	1.54E-30
Overall asthma	CAPN1	cg09620688	rs11605576	A	C	0.273	0.024	0.360	1.30E-29	-0.013	0.010	0.210	0.033	127.645	TRUE	2.03E-28
Overall asthma	CAPN1	cg09620688	rs599670	T	G	-0.248	0.036	0.105	4.39E-12	0.008	0.014	0.560	0.013	47.918	TRUE	9.21E-12
Overall asthma	CAPN1	cg13762244	rs608404	A	G	0.489	0.081	0.018	1.33E-09	-0.058	0.033	0.081	0.010	36.743	TRUE	4.76E-09
Overall asthma	CAPN1	cg13762244	rs6591179	G	T	0.394	0.034	0.128	2.58E-30	0.022	0.014	0.130	0.034	130.851	TRUE	5.78E-29
Overall asthma	CAPN1	cg16697977	rs17881454	G	C	-0.404	0.066	0.057	7.83E-10	0.019	0.020	0.340	0.010	37.781	TRUE	1.78E-09
Overall asthma	CAPN1	cg16697977	rs2271448	T	C	0.238	0.025	0.319	3.28E-21	-0.009	0.011	0.370	0.024	89.317	TRUE	1.58E-20
Overall asthma	CAPN1	cg25363789	rs111513404	G	A	0.611	0.064	0.037	2.21E-21	-0.020	0.026	0.450	0.024	90.100	TRUE	1.00E-20
Overall asthma	CAPN1	cg25363789	rs11227132	G	A	-0.651	0.083	0.017	6.33E-15	0.010	0.032	0.770	0.016	60.764	TRUE	1.27E-14
Overall asthma	CAPN1	cg25363789	rs11551353	A	T	0.470	0.048	0.061	1.49E-22	-0.016	0.019	0.390	0.025	95.432	TRUE	7.90E-22
Overall asthma	CAPN1	cg25363789	rs11601539	C	A	0.521	0.050	0.055	7.21E-26	-0.041	0.019	0.033	0.029	110.548	TRUE	1.84E-24
Overall asthma	CAPN1	cg25363789	rs11605377	T	C	0.466	0.085	0.038	4.05E-08	-0.016	0.022	0.470	0.008	30.111	TRUE	7.26E-08
Overall asthma	CAPN1	cg25363789	rs117446487	T	C	0.745	0.085	0.020	1.85E-18	0.055	0.034	0.110	0.020	76.797	TRUE	1.37E-17
Overall asthma	CAPN1	cg25363789	rs1195964	A	G	-0.353	0.030	0.172	4.78E-31	0.009	0.013	0.450	0.035	134.191	TRUE	4.59E-30
Overall asthma	CAPN1	cg25363789	rs12573	G	A	0.179	0.030	0.178	2.57E-09	0.003	0.012	0.840	0.009	35.468	TRUE	3.68E-09
Overall asthma	CAPN1	cg25363789	rs17883561	A	G	-0.239	0.037	0.111	1.44E-10	-0.021	0.015	0.150	0.011	41.084	TRUE	4.55E-10
Overall asthma	CAPN1	cg25363789	rs487989	A	G	-0.210	0.033	0.153	3.55E-10	-0.007	0.013	0.620	0.011	39.325	TRUE	6.36E-10

Overall asthma	CAPN1	cg25363789	rs566189	C	T	-0.241	0.037	0.102	1.12E-10	0.011	0.014	0.460	0.011	41.572	TRUE	2.45E-10
Overall asthma	CAPN1	cg25363789	rs57433602	T	C	-0.211	0.031	0.163	5.90E-12	0.002	0.012	0.850	0.013	47.337	TRUE	9.42E-12
Overall asthma	CAPN1	cg25363789	rs613316	G	A	-0.269	0.027	0.256	9.01E-24	0.021	0.011	0.051	0.027	100.987	TRUE	1.45E-22
Overall asthma	CAPN1	cg25363789	rs633727	G	A	-0.143	0.023	0.487	8.05E-10	0.004	0.010	0.700	0.010	37.728	TRUE	1.30E-09
Overall asthma	CAPN1	cg25363789	rs6591179	G	T	-0.356	0.035	0.128	2.52E-24	0.022	0.014	0.130	0.027	103.508	TRUE	3.10E-23
Overall asthma	CAPN1	cg25363789	rs663767	A	C	0.231	0.025	0.319	2.26E-20	-0.005	0.010	0.640	0.023	85.499	TRUE	7.36E-20
Overall asthma	CAPN1	cg25363789	rs739389	T	C	-0.253	0.028	0.222	1.63E-19	-0.002	0.011	0.880	0.022	81.595	TRUE	3.79E-19
Overall asthma	CAPN1	cg25363789	rs7933509	G	A	0.889	0.022	0.304	<1E-200	-0.013	0.011	0.220	0.307	1639.161	TRUE	<1E-200
Overall asthma	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	-0.006	0.010	0.570	0.014	51.004	TRUE	1.96E-12
Overall asthma	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	0.007	0.011	0.550	0.015	57.165	TRUE	9.56E-14
Overall asthma	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	-0.013	0.011	0.270	0.016	58.619	TRUE	7.02E-14
Overall asthma	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	-0.013	0.015	0.390	0.021	79.794	TRUE	1.69E-18
Overall asthma	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	-0.008	0.010	0.390	0.016	60.177	TRUE	2.57E-14
Overall asthma	CAPZB	cg03542686	rs71645451	C	G	0.178	0.033	0.147	4.36E-08	-0.001	0.013	0.950	0.008	29.965	TRUE	5.48E-08
Overall asthma	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	-0.014	0.010	0.150	0.012	44.854	TRUE	7.22E-11
Overall asthma	CAPZB	cg06788764	rs10158117	C	G	0.160	0.026	0.262	5.75E-10	-0.010	0.011	0.340	0.010	38.384	TRUE	1.29E-09
Overall asthma	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	0.013	0.010	0.180	0.014	51.114	TRUE	3.11E-12
Overall asthma	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	0.001	0.010	0.910	0.009	34.432	TRUE	5.86E-09
Overall asthma	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	0.010	0.013	0.420	0.053	206.399	TRUE	4.03E-45
Overall asthma	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	-0.018	0.010	0.060	0.046	177.180	TRUE	1.91E-38
Overall asthma	CAPZB	cg07573717	rs67705352	T	G	0.138	0.024	0.375	9.39E-09	0.017	0.010	0.091	0.009	32.945	TRUE	3.02E-08
Overall asthma	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	0.003	0.010	0.790	0.013	48.807	TRUE	4.76E-12
Overall asthma	CAPZB	cg07573717	rs75797435	T	A	-1.535	0.054	0.051	4.48E-178	0.027	0.021	0.200	0.179	809.134	TRUE	1.82E-163
Overall asthma	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	0.000	0.011	0.970	0.024	89.554	TRUE	6.74E-21
Overall asthma	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	-0.037	0.016	0.020	0.016	58.979	TRUE	1.33E-13
Overall asthma	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	-0.004	0.010	0.660	0.014	52.185	TRUE	9.95E-13
Overall asthma	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	-0.009	0.018	0.620	0.010	38.411	TRUE	9.83E-10
Overall asthma	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	-0.046	0.032	0.140	0.017	65.252	TRUE	3.30E-15
Overall asthma	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	-0.006	0.011	0.600	0.012	46.328	TRUE	1.97E-11
Overall asthma	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	0.004	0.016	0.810	0.023	87.676	TRUE	2.05E-20
Overall asthma	CAPZB	cg07905985	rs61759272	G	C	-0.184	0.029	0.196	3.30E-10	-0.004	0.012	0.750	0.011	39.469	TRUE	5.24E-10
Overall asthma	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	-0.024	0.013	0.062	0.011	40.134	TRUE	9.49E-10
Overall asthma	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	0.006	0.022	0.770	0.157	690.976	TRUE	3.97E-142
Overall asthma	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	0.000	0.014	0.980	0.011	42.113	TRUE	1.16E-10
Overall asthma	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	0.022	0.010	0.031	0.038	146.098	TRUE	7.73E-32
Overall asthma	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	0.007	0.010	0.460	0.017	65.137	TRUE	2.05E-15
Overall asthma	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	0.000	0.011	0.970	0.029	112.158	TRUE	1.02E-25
Overall asthma	CAPZB	cg09976716	rs11591018	T	A	-0.346	0.051	0.102	7.32E-12	-0.008	0.016	0.600	0.013	46.915	TRUE	1.44E-11
Overall asthma	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	-0.003	0.012	0.800	0.017	63.025	TRUE	3.99E-15
Overall asthma	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	-0.046	0.032	0.140	0.021	77.636	TRUE	7.83E-18
Overall asthma	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	0.007	0.022	0.770	0.176	788.461	TRUE	1.10E-160
Overall asthma	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	-0.005	0.011	0.640	0.025	96.177	TRUE	3.93E-22

Overall asthma	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	-0.005	0.013	0.680	0.023	87.333	TRUE	2.81E-20
Overall asthma	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	0.002	0.010	0.820	0.015	54.760	TRUE	2.39E-13
Overall asthma	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	0.023	0.010	0.024	0.029	110.736	TRUE	1.93E-24
Overall asthma	CAPZB	cg09976716	rs4076839	C	G	-0.188	0.029	0.214	4.60E-11	-0.013	0.012	0.260	0.012	43.315	TRUE	1.24E-10
Overall asthma	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	-0.024	0.013	0.062	0.015	56.519	TRUE	3.16E-13
Overall asthma	CAPZB	cg09976716	rs709683	G	C	-0.200	0.024	0.402	3.86E-17	-0.005	0.010	0.620	0.019	70.807	TRUE	1.02E-16
Overall asthma	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	-0.017	0.032	0.580	0.019	72.434	TRUE	4.75E-17
Overall asthma	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	-0.004	0.011	0.710	0.029	109.424	TRUE	5.38E-25
Overall asthma	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	0.007	0.010	0.460	0.016	60.748	TRUE	1.79E-14
Overall asthma	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	-0.003	0.011	0.770	0.036	138.191	TRUE	4.17E-31
Overall asthma	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	0.010	0.013	0.440	0.027	103.494	TRUE	1.41E-23
Overall asthma	CAPZB	cg11335264	rs2006024	T	C	-0.152	0.025	0.319	1.62E-09	0.011	0.010	0.300	0.010	36.361	TRUE	3.94E-09
Overall asthma	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	0.010	0.031	0.760	0.057	225.435	TRUE	2.42E-49
Overall asthma	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	0.025	0.011	0.019	0.012	45.046	TRUE	1.12E-10
Overall asthma	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	0.003	0.010	0.760	0.010	39.037	TRUE	6.46E-10
Overall asthma	CAPZB	cg11335264	rs75797435	T	A	-0.951	0.056	0.051	2.93E-64	0.027	0.021	0.200	0.072	286.312	TRUE	3.19E-61
Overall asthma	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	-0.004	0.010	0.690	0.024	90.352	TRUE	6.27E-21
Overall asthma	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	-0.010	0.011	0.370	0.010	36.405	TRUE	3.38E-09
Overall asthma	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	-0.011	0.011	0.300	0.008	31.000	TRUE	5.38E-08
Overall asthma	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	-0.002	0.011	0.860	0.012	43.676	TRUE	5.78E-11
Overall asthma	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	-0.014	0.010	0.150	0.113	470.631	TRUE	4.12E-98
Overall asthma	CAPZB	cg12763668	rs3762389	T	A	0.204	0.025	0.351	2.15E-16	0.005	0.010	0.630	0.018	67.425	TRUE	5.40E-16
Overall asthma	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	0.001	0.014	0.930	0.015	56.257	TRUE	1.02E-13
Overall asthma	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	0.004	0.016	0.810	0.010	37.399	TRUE	1.42E-09
Overall asthma	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	0.007	0.022	0.740	0.031	116.757	TRUE	1.45E-26
Overall asthma	CAPZB	cg12763668	rs72653937	T	A	-0.356	0.045	0.080	1.35E-15	0.026	0.016	0.098	0.017	63.809	TRUE	7.69E-15
Overall asthma	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	0.019	0.014	0.160	0.010	38.063	TRUE	1.97E-09
Overall asthma	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	-0.006	0.010	0.520	0.013	48.842	TRUE	6.03E-12
Overall asthma	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	0.026	0.011	0.024	0.010	39.006	TRUE	2.24E-09
Overall asthma	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	0.007	0.022	0.770	0.011	39.860	TRUE	4.26E-10
Overall asthma	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	0.026	0.011	0.023	0.022	82.598	TRUE	1.54E-18
Overall asthma	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	-0.005	0.011	0.640	0.011	41.664	TRUE	1.94E-10
Overall asthma	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	-0.011	0.011	0.320	0.069	275.362	TRUE	3.52E-59
Overall asthma	CAPZB	cg15136975	rs61766717	A	T	0.357	0.054	0.047	5.33E-11	0.011	0.022	0.610	0.011	43.029	TRUE	9.90E-11
Overall asthma	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	0.021	0.034	0.530	0.009	34.016	TRUE	9.63E-09
Overall asthma	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	0.019	0.014	0.160	0.010	35.537	TRUE	6.87E-09
Overall asthma	CAPZB	cg16694480	rs115472911	G	C	0.442	0.055	0.047	5.22E-16	0.011	0.022	0.610	0.017	65.677	TRUE	1.30E-15
Overall asthma	CAPZB	cg16694480	rs4912101	G	A	0.143	0.026	0.281	2.32E-08	-0.015	0.011	0.150	0.008	31.190	TRUE	5.94E-08
Overall asthma	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	-0.011	0.011	0.350	0.010	37.070	TRUE	2.61E-09
Overall asthma	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	0.027	0.011	0.016	0.028	108.057	TRUE	8.13E-24
Overall asthma	CAPZB	cg19713429	rs115472911	G	C	0.404	0.055	0.047	1.36E-13	0.011	0.022	0.610	0.015	54.737	TRUE	2.92E-13
Overall asthma	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	-0.006	0.010	0.520	0.016	60.828	TRUE	1.60E-14

Overall asthma	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	-0.040	0.026	0.130	0.008	31.371	TRUE	5.97E-08
Overall asthma	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	-0.012	0.010	0.230	0.036	139.868	TRUE	5.14E-31
Overall asthma	CAPZB	cg23111655	rs10799817	C	G	-0.251	0.024	0.380	2.29E-25	-0.004	0.010	0.700	0.028	108.259	TRUE	9.75E-25
Overall asthma	CAPZB	cg23111655	rs113042236	A	T	-0.271	0.047	0.063	9.36E-09	0.005	0.019	0.780	0.009	32.952	TRUE	1.36E-08
Overall asthma	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.002	0.029	0.950	0.017	64.571	TRUE	1.61E-15
Overall asthma	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	0.003	0.019	0.870	0.013	48.114	TRUE	6.25E-12
Overall asthma	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	0.001	0.022	0.980	0.058	228.169	TRUE	4.36E-50
Overall asthma	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	0.003	0.013	0.820	0.009	33.355	TRUE	1.08E-08
Overall asthma	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	-0.046	0.032	0.140	0.014	51.486	TRUE	2.79E-12
Overall asthma	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	-0.006	0.012	0.630	0.015	57.323	TRUE	7.97E-14
Overall asthma	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	-0.009	0.010	0.370	0.015	56.329	TRUE	1.77E-13
Overall asthma	CAPZB	cg23111655	rs4147449	G	C	-0.446	0.077	0.027	8.72E-09	-0.010	0.029	0.720	0.009	33.090	TRUE	1.32E-08
Overall asthma	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	-0.009	0.011	0.380	0.279	1428.478	TRUE	2.08E-275
Overall asthma	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	-0.024	0.013	0.062	0.012	46.466	TRUE	4.28E-11
Overall asthma	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	0.003	0.010	0.790	0.015	55.710	TRUE	1.53E-13
Overall asthma	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	-0.011	0.015	0.480	0.027	103.222	TRUE	1.59E-23
Overall asthma	CAPZB	cg23111655	rs71645448	A	T	0.740	0.085	0.018	4.28E-18	-0.007	0.034	0.840	0.020	75.146	TRUE	9.52E-18
Overall asthma	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	0.022	0.011	0.039	0.028	108.269	TRUE	4.72E-24
Overall asthma	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	-0.004	0.026	0.890	0.016	60.028	TRUE	1.62E-14
Overall asthma	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	0.021	0.015	0.150	0.008	30.840	TRUE	7.21E-08
Overall asthma	CAPZB	cg23519022	rs41264091	T	A	-0.244	0.028	0.229	8.94E-19	0.026	0.011	0.022	0.021	78.239	TRUE	1.26E-17
Overall asthma	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	-0.002	0.011	0.860	0.009	35.321	TRUE	3.86E-09
Overall asthma	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	0.005	0.010	0.640	0.011	41.717	TRUE	1.87E-10
Overall asthma	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	0.003	0.013	0.840	0.013	50.196	TRUE	2.27E-12
Overall asthma	CAPZB	cg24593138	rs113042236	A	T	-0.407	0.047	0.063	6.10E-18	0.005	0.019	0.780	0.020	74.447	TRUE	1.43E-17
Overall asthma	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	-0.010	0.010	0.280	0.021	80.717	TRUE	1.24E-18
Overall asthma	CAPZB	cg24593138	rs2006024	T	C	-0.146	0.025	0.319	7.36E-09	0.011	0.010	0.300	0.009	33.420	TRUE	1.70E-08
Overall asthma	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	-0.013	0.010	0.190	0.486	3497.727	TRUE	<1E-200
Overall asthma	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	-0.013	0.021	0.520	0.065	255.447	TRUE	2.40E-55
Overall asthma	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	0.015	0.032	0.650	0.010	37.290	TRUE	1.71E-09
Overall asthma	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	0.021	0.034	0.530	0.011	41.110	TRUE	2.78E-10
Overall asthma	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	0.008	0.012	0.510	0.012	45.732	TRUE	2.81E-11
Overall asthma	CAPZB	cg24593138	rs71645448	A	T	0.607	0.086	0.018	1.22E-12	-0.007	0.034	0.840	0.013	50.426	TRUE	2.03E-12
Overall asthma	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	0.003	0.025	0.890	0.031	116.494	TRUE	1.34E-26
Overall asthma	CAPZB	cg24593138	rs72653937	T	A	-0.509	0.044	0.080	1.85E-30	0.026	0.016	0.098	0.034	131.507	TRUE	4.46E-29
Overall asthma	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	0.019	0.014	0.160	0.047	180.875	TRUE	1.72E-39
Overall asthma	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	0.019	0.022	0.400	0.009	34.569	TRUE	8.40E-09
Overall asthma	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	0.006	0.010	0.560	0.023	85.418	TRUE	8.44E-20
Overall asthma	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	0.032	0.030	0.280	0.012	44.067	TRUE	8.46E-11
Overall asthma	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	-0.004	0.026	0.890	0.013	47.360	TRUE	9.00E-12
Overall asthma	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	-0.009	0.021	0.660	0.049	190.977	TRUE	4.18E-42
Overall asthma	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	-0.015	0.011	0.190	0.018	69.504	TRUE	3.90E-16

Overall asthma	CAPZB	cg24671886	rs76799277	C	G	0.646	0.109	0.020	2.86E-09	-0.086	0.034	0.011	0.009	35.259	TRUE	1.52E-08
Overall asthma	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	-0.010	0.010	0.300	0.090	365.961	TRUE	1.53E-77
Overall asthma	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	-0.002	0.011	0.860	0.018	69.668	TRUE	1.39E-16
Overall asthma	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	-0.022	0.018	0.210	0.012	45.307	TRUE	5.06E-11
Overall asthma	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.002	0.029	0.950	0.030	116.327	TRUE	1.36E-26
Overall asthma	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	0.003	0.019	0.870	0.021	78.333	TRUE	1.90E-18
Overall asthma	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	0.009	0.022	0.690	0.083	336.849	TRUE	3.84E-72
Overall asthma	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	-0.028	0.017	0.100	0.011	41.990	TRUE	3.38E-10
Overall asthma	CAPZB	cg26824678	rs127037	G	C	0.415	0.027	0.259	2.78E-54	-0.008	0.011	0.470	0.061	240.564	TRUE	3.36E-52
Overall asthma	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	0.003	0.013	0.820	0.016	58.238	TRUE	4.23E-14
Overall asthma	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	-0.046	0.032	0.140	0.027	101.634	TRUE	6.77E-23
Overall asthma	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	-0.005	0.011	0.640	0.039	151.340	TRUE	8.67E-34
Overall asthma	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	-0.006	0.012	0.630	0.030	115.217	TRUE	3.56E-26
Overall asthma	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	0.007	0.010	0.510	0.028	107.564	TRUE	1.82E-24
Overall asthma	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	-0.009	0.010	0.370	0.023	87.968	TRUE	3.19E-20
Overall asthma	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	-0.003	0.011	0.810	0.443	2945.622	TRUE	<1E-200
Overall asthma	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	0.004	0.013	0.770	0.013	47.945	TRUE	7.44E-12
Overall asthma	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	-0.009	0.015	0.560	0.013	48.424	TRUE	7.17E-12
Overall asthma	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	-0.024	0.013	0.062	0.017	65.553	TRUE	3.89E-15
Overall asthma	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	0.021	0.034	0.530	0.023	85.868	TRUE	6.94E-20
Overall asthma	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	0.005	0.010	0.600	0.022	83.390	TRUE	2.16E-19
Overall asthma	CAPZB	cg26824678	rs71645448	A	T	-1.011	0.085	0.018	1.32E-32	-0.007	0.034	0.840	0.037	141.315	TRUE	8.12E-32
Overall asthma	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	-0.017	0.032	0.580	0.009	34.763	TRUE	6.31E-09
Overall asthma	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	0.019	0.014	0.160	0.035	134.702	TRUE	7.17E-30
Overall asthma	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	-0.004	0.026	0.890	0.029	109.754	TRUE	3.65E-25
Overall asthma	CASP10	cg11551448	rs3731714	T	C	0.164	0.025	0.319	1.08E-10	0.016	0.010	0.110	0.011	41.644	TRUE	3.90E-10
Overall asthma	CASP10	cg12105450	rs1914265	T	C	0.129	0.024	0.471	4.71E-08	0.001	0.010	0.950	0.008	29.816	TRUE	5.90E-08
Overall asthma	CASP10	cg12105450	rs2518142	G	A	-0.230	0.039	0.085	5.28E-09	-0.016	0.017	0.330	0.009	34.066	TRUE	1.13E-08
Overall asthma	CASP10	cg12105450	rs3900115	A	G	-0.306	0.023	0.474	3.45E-39	-0.027	0.010	0.004	0.044	171.427	TRUE	9.68E-37
Overall asthma	CASP10	cg12105450	rs6759216	A	G	0.207	0.032	0.163	8.10E-11	0.022	0.013	0.090	0.011	42.211	TRUE	3.12E-10
Overall asthma	CASP10	cg24599065	rs10203550	A	G	0.349	0.032	0.165	1.94E-28	0.022	0.013	0.083	0.032	122.277	TRUE	4.07E-27
Overall asthma	CASP10	cg24599065	rs11904425	G	A	0.270	0.031	0.162	5.20E-18	0.016	0.013	0.200	0.020	74.763	TRUE	2.68E-17
Overall asthma	CASP10	cg24599065	rs1208081	T	C	0.207	0.025	0.348	7.63E-17	0.005	0.010	0.610	0.018	69.465	TRUE	2.02E-16
Overall asthma	CASP10	cg24599065	rs12465952	G	A	-0.308	0.030	0.193	4.24E-25	-0.008	0.012	0.540	0.028	107.039	TRUE	2.23E-24
Overall asthma	CASP10	cg24599065	rs13005094	T	C	-0.785	0.021	0.470	<1E-200	-0.028	0.010	0.003	0.279	1432.370	TRUE	5.44E-273
Overall asthma	CASP10	cg24599065	rs13429108	T	C	-0.417	0.075	0.030	2.60E-08	0.007	0.030	0.810	0.008	30.970	TRUE	3.62E-08
Overall asthma	CASP10	cg24599065	rs187383805	A	C	0.361	0.063	0.034	9.68E-09	0.010	0.023	0.670	0.009	32.886	TRUE	1.53E-08
Overall asthma	CASP10	cg24599065	rs2348126	T	G	0.258	0.023	0.460	3.68E-28	0.021	0.010	0.026	0.032	121.007	TRUE	1.25E-26
Overall asthma	CASP10	cg24599065	rs3820972	C	A	-0.453	0.039	0.085	1.83E-30	-0.013	0.017	0.450	0.034	131.534	TRUE	1.74E-29
Overall asthma	CASP10	cg24599065	rs4674357	G	A	-0.383	0.040	0.097	4.52E-22	-0.029	0.016	0.064	0.025	93.239	TRUE	5.58E-21
Overall asthma	CASP10	cg24599065	rs55759607	G	A	0.344	0.048	0.069	5.90E-13	0.021	0.019	0.250	0.014	51.851	TRUE	1.86E-12
Overall asthma	CASP10	cg24599065	rs56365779	G	T	-0.410	0.044	0.085	5.93E-21	-0.010	0.017	0.530	0.023	88.148	TRUE	2.21E-20

Overall asthma	CASP10	cg24599065	rs62191475	G	A	0.418	0.072	0.063	5.73E-09	0.040	0.019	0.038	0.009	33.906	TRUE	2.33E-08
Overall asthma	CASP10	cg24599065	rs72927052	A	G	-0.402	0.040	0.090	1.21E-23	-0.023	0.017	0.170	0.026	100.408	TRUE	1.13E-22
Overall asthma	CASP10	cg24599065	rs7564683	T	G	-0.415	0.050	0.063	1.44E-16	0.011	0.021	0.590	0.018	68.216	TRUE	3.78E-16
Overall asthma	CASP10	cg24599065	rs7579792	A	G	-0.299	0.038	0.106	6.12E-15	-0.009	0.017	0.600	0.016	60.829	TRUE	1.46E-14
Overall asthma	CASP10	cg24599065	rs7592225	A	G	0.505	0.066	0.071	2.91E-14	-0.029	0.019	0.120	0.015	57.764	TRUE	1.37E-13
Overall asthma	CASP10	cg24599065	rs77508965	T	C	-0.419	0.050	0.054	4.67E-17	-0.003	0.021	0.900	0.019	70.433	TRUE	9.22E-17
Overall asthma	CASP10	cg24599065	rs78287440	C	T	-0.330	0.050	0.058	5.10E-11	-0.031	0.019	0.110	0.012	43.117	TRUE	1.93E-10
Overall asthma	CASP2	cg25992874	rs6959713	G	A	0.208	0.026	0.297	4.99E-16	0.006	0.010	0.590	0.017	65.764	TRUE	1.30E-15
Overall asthma	CASP2	cg25992874	rs7780478	A	G	1.055	0.051	0.056	1.32E-96	-0.021	0.021	0.310	0.105	434.775	TRUE	2.31E-91
Overall asthma	CASP2	cg26596719	rs10274425	A	G	-0.161	0.026	0.295	4.83E-10	-0.001	0.011	0.960	0.010	38.724	TRUE	6.48E-10
Overall asthma	CASP2	cg26596719	rs3181165	A	G	1.602	0.076	0.054	1.18E-97	-0.038	0.019	0.049	0.106	439.598	TRUE	1.77E-91
Overall asthma	CASP4	cg17552759	rs35309598	T	C	-0.486	0.080	0.022	1.26E-09	-0.071	0.032	0.023	0.010	36.855	TRUE	5.87E-09
Overall asthma	CASP5	cg08199529	rs524565	A	G	-0.453	0.067	0.030	1.49E-11	0.000	0.028	0.990	0.012	45.519	TRUE	2.08E-11
Overall asthma	CASP5	cg08199529	rs542571	A	T	-0.538	0.030	0.165	1.18E-73	-0.029	0.013	0.022	0.082	329.419	TRUE	2.76E-69
Overall asthma	CASP5	cg08199529	rs57747660	C	A	0.144	0.026	0.258	4.11E-08	-0.007	0.011	0.500	0.008	30.080	TRUE	7.16E-08
Overall asthma	CASP5	cg08199529	rs72978986	A	G	-0.435	0.069	0.028	3.13E-10	-0.032	0.025	0.200	0.011	39.570	TRUE	8.93E-10
Overall asthma	CASP5	cg08199529	rs74659708	T	A	-0.482	0.072	0.043	2.69E-11	-0.053	0.028	0.053	0.012	44.364	TRUE	1.23E-10
Overall asthma	CASP5	cg08199529	rs7935854	C	T	-0.321	0.042	0.079	1.82E-14	-0.023	0.017	0.190	0.016	58.688	TRUE	7.69E-14
Overall asthma	CASP5	cg10825847	rs1790203	G	A	0.184	0.023	0.445	1.92E-15	-0.002	0.010	0.830	0.017	63.114	TRUE	3.73E-15
Overall asthma	CASP5	cg10825847	rs45483194	C	T	0.323	0.048	0.060	1.68E-11	-0.049	0.019	0.010	0.012	45.292	TRUE	1.21E-10
Overall asthma	CASP8	cg20608990	rs1045485	C	G	0.242	0.034	0.135	1.64E-12	0.021	0.014	0.140	0.013	49.844	TRUE	6.52E-12
Overall asthma	CASP8	cg20608990	rs113338606	T	C	0.244	0.032	0.166	1.06E-14	0.015	0.013	0.240	0.016	59.750	TRUE	3.95E-14
Overall asthma	CASP8	cg20608990	rs12616362	T	G	-0.260	0.026	0.261	7.66E-23	-0.024	0.011	0.033	0.025	96.749	TRUE	1.44E-21
Overall asthma	CASP8	cg20608990	rs13028339	T	C	0.497	0.023	0.496	1.05E-103	0.031	0.010	0.001	0.112	467.388	TRUE	7.03E-96
Overall asthma	CASP8	cg20608990	rs145395636	T	A	-0.452	0.082	0.022	3.22E-08	-0.013	0.038	0.720	0.008	30.556	TRUE	4.72E-08
Overall asthma	CASP8	cg20608990	rs2540456	T	C	-0.296	0.051	0.057	6.17E-09	-0.007	0.020	0.730	0.009	33.763	TRUE	9.33E-09
Overall asthma	CASP8	cg20608990	rs34652842	G	A	-0.139	0.024	0.366	9.29E-09	-0.017	0.010	0.090	0.009	32.967	TRUE	2.99E-08
Overall asthma	CASP8	cg20608990	rs576163194	G	A	-0.266	0.043	0.077	4.70E-10	-0.009	0.018	0.590	0.010	38.775	TRUE	8.41E-10
Overall asthma	CASP8	cg20608990	rs72931097	C	A	-0.958	0.066	0.031	1.57E-47	-0.026	0.027	0.340	0.054	209.618	TRUE	1.13E-45
Overall asthma	CASP8	cg20608990	rs7603014	G	T	-0.260	0.044	0.069	2.83E-09	-0.019	0.018	0.300	0.009	35.278	TRUE	6.57E-09
Overall asthma	CASP8	cg20608990	rs79224392	A	G	-0.281	0.051	0.058	2.98E-08	-0.028	0.021	0.180	0.008	30.706	TRUE	7.43E-08
Overall asthma	CASP8	cg26799474	rs111820676	T	C	-0.331	0.049	0.064	1.52E-11	0.001	0.018	0.950	0.012	45.479	TRUE	2.20E-11
Overall asthma	CASP8	cg26799474	rs114707766	A	G	0.447	0.080	0.040	2.18E-08	0.027	0.025	0.280	0.008	31.312	TRUE	4.80E-08
Overall asthma	CASP8	cg26799474	rs12620010	G	T	0.259	0.023	0.494	3.10E-28	0.030	0.010	0.002	0.032	121.351	TRUE	2.87E-26
Overall asthma	CASP8	cg26799474	rs17383714	T	C	-0.250	0.042	0.089	2.60E-09	-0.007	0.017	0.700	0.009	35.443	TRUE	4.12E-09
Overall asthma	CASP8	cg26799474	rs2518142	G	A	-0.219	0.040	0.085	3.51E-08	-0.016	0.017	0.330	0.008	30.386	TRUE	7.08E-08
Overall asthma	CASP8	cg26799474	rs4674520	T	C	-0.234	0.030	0.182	2.52E-15	-0.022	0.012	0.071	0.017	62.578	TRUE	1.64E-14
Overall asthma	CASP8	cg26799474	rs59674665	G	A	0.321	0.026	0.294	5.80E-36	-0.009	0.010	0.370	0.041	156.666	TRUE	1.14E-34
Overall asthma	CASP8	cg26842802	rs6754084	T	C	0.191	0.027	0.257	8.10E-13	-0.016	0.011	0.140	0.014	51.231	TRUE	3.20E-12
Overall asthma	CBL	cg22414151	rs11243	G	A	-0.800	0.058	0.043	1.15E-43	-0.074	0.023	0.002	0.049	191.927	TRUE	9.71E-41
Overall asthma	CBS	cg00882967	rs55994345	T	C	0.292	0.039	0.102	3.66E-14	0.030	0.016	0.054	0.015	57.314	TRUE	2.19E-13
Overall asthma	CBS	cg00882967	rs71316190	C	T	-0.385	0.055	0.046	2.79E-12	-0.001	0.022	0.960	0.013	48.805	TRUE	4.10E-12

Overall asthma	CBS	cg01788910	rs12482487	T	C	0.448	0.058	0.040	1.34E-14	0.048	0.024	0.043	0.016	59.287	TRUE	9.17E-14
Overall asthma	CBS	cg01788910	rs13052751	T	C	0.185	0.024	0.395	1.30E-14	-0.015	0.010	0.110	0.016	59.352	TRUE	6.39E-14
Overall asthma	CBS	cg01788910	rs145115457	T	A	-0.461	0.075	0.031	5.91E-10	0.024	0.026	0.360	0.010	38.331	TRUE	1.33E-09
Overall asthma	CBS	cg01788910	rs2027711	T	C	0.786	0.020	0.470	<1E-200	-0.022	0.010	0.020	0.290	1512.517	TRUE	1.24E-287
Overall asthma	CBS	cg01788910	rs34923991	C	T	0.140	0.025	0.328	2.03E-08	0.006	0.010	0.530	0.008	31.445	TRUE	3.54E-08
Overall asthma	CBS	cg01788910	rs35112095	A	G	0.269	0.049	0.057	4.20E-08	0.008	0.020	0.690	0.008	30.041	TRUE	6.32E-08
Overall asthma	CBS	cg01788910	rs71320557	T	C	0.412	0.037	0.107	1.09E-28	-0.015	0.015	0.330	0.032	123.416	TRUE	1.14E-27
Overall asthma	CBS	cg01788910	rs71320558	T	C	-0.276	0.050	0.120	3.79E-08	-0.015	0.015	0.330	0.008	30.236	TRUE	7.88E-08
Overall asthma	CBS	cg01788910	rs7279886	C	A	-0.144	0.026	0.287	2.88E-08	-0.006	0.011	0.560	0.008	30.772	TRUE	4.75E-08
Overall asthma	CBS	cg01788910	rs7281623	A	C	-0.185	0.024	0.399	2.39E-14	0.002	0.010	0.820	0.015	58.149	TRUE	4.40E-14
Overall asthma	CBS	cg01788910	rs77233863	A	C	-0.426	0.040	0.084	4.89E-26	0.045	0.016	0.005	0.029	111.317	TRUE	2.42E-24
Overall asthma	CBS	cg01817286	rs55994345	T	C	0.256	0.038	0.102	2.08E-11	0.030	0.016	0.054	0.012	44.872	TRUE	9.50E-11
Overall asthma	CBS	cg02644491	rs149095199	T	C	-0.426	0.040	0.084	5.17E-26	0.044	0.016	0.006	0.029	111.208	TRUE	2.40E-24
Overall asthma	CBS	cg02644491	rs181911461	A	G	-0.499	0.090	0.019	2.81E-08	0.085	0.034	0.013	0.008	30.818	TRUE	1.30E-07
Overall asthma	CBS	cg02644491	rs2839619	G	A	0.778	0.020	0.487	<1E-200	-0.013	0.010	0.170	0.283	1462.750	TRUE	1.59E-280
Overall asthma	CBS	cg02644491	rs62215006	A	G	-0.258	0.032	0.444	3.63E-16	0.004	0.010	0.720	0.018	66.391	TRUE	8.20E-16
Overall asthma	CBS	cg02644491	rs6586278	T	C	0.528	0.034	0.140	4.04E-54	-0.001	0.014	0.970	0.061	239.816	TRUE	1.70E-52
Overall asthma	CBS	cg02644491	rs71320557	T	C	0.311	0.037	0.107	6.11E-17	-0.015	0.015	0.330	0.019	69.904	TRUE	2.40E-16
Overall asthma	CBS	cg02644491	rs7281623	A	C	-0.143	0.024	0.399	4.64E-09	0.002	0.010	0.820	0.009	34.315	TRUE	6.63E-09
Overall asthma	CBS	cg02644491	rs76980828	C	G	-0.307	0.047	0.059	6.03E-11	-0.028	0.018	0.130	0.011	42.789	TRUE	2.16E-10
Overall asthma	CBS	cg02644491	rs78338872	T	C	0.477	0.073	0.030	5.01E-11	0.008	0.030	0.790	0.012	43.150	TRUE	8.00E-11
Overall asthma	CBS	cg06118533	rs74748949	T	G	-0.434	0.075	0.025	8.48E-09	0.004	0.029	0.890	0.009	33.144	TRUE	1.14E-08
Overall asthma	CBS	cg07211972	rs1107831	G	A	0.299	0.024	0.397	6.72E-37	-0.004	0.010	0.660	0.042	160.949	TRUE	7.98E-36
Overall asthma	CBS	cg07211972	rs13048977	G	A	-0.150	0.026	0.288	7.15E-09	-0.006	0.011	0.540	0.009	33.475	TRUE	1.23E-08
Overall asthma	CBS	cg07211972	rs2276240	A	G	-0.137	0.025	0.332	2.93E-08	-0.004	0.010	0.730	0.008	30.737	TRUE	4.33E-08
Overall asthma	CBS	cg07211972	rs428732	T	C	0.323	0.043	0.079	5.92E-14	-0.041	0.017	0.017	0.015	56.368	TRUE	5.07E-13
Overall asthma	CBS	cg07211972	rs73220903	T	C	0.365	0.035	0.134	1.07E-25	0.003	0.015	0.830	0.029	109.762	TRUE	3.92E-25
Overall asthma	CBS	cg07211972	rs73231644	T	C	-0.244	0.031	0.161	8.90E-15	-0.001	0.013	0.920	0.016	60.093	TRUE	1.52E-14
Overall asthma	CBS	cg09128751	rs141298881	T	C	-0.895	0.161	0.012	2.78E-08	0.007	0.051	0.890	0.008	30.839	TRUE	3.66E-08
Overall asthma	CBS	cg09128751	rs181911461	A	G	-0.488	0.090	0.019	4.95E-08	0.085	0.034	0.013	0.008	29.719	TRUE	2.22E-07
Overall asthma	CBS	cg09128751	rs2839584	C	T	-0.187	0.028	0.200	3.91E-11	0.001	0.012	0.920	0.012	43.633	TRUE	5.67E-11
Overall asthma	CBS	cg09128751	rs35976043	T	C	-0.146	0.024	0.368	1.52E-09	-0.002	0.010	0.850	0.010	36.487	TRUE	2.18E-09
Overall asthma	CBS	cg14171527	rs111412674	C	T	-0.419	0.055	0.047	2.89E-14	0.009	0.023	0.700	0.015	57.776	TRUE	5.93E-14
Overall asthma	CBS	cg14171527	rs112273870	A	G	0.312	0.038	0.108	2.95E-16	0.029	0.016	0.066	0.018	66.799	TRUE	2.07E-15
Overall asthma	CBS	cg15300856	rs113636179	G	A	0.442	0.057	0.042	7.06E-15	0.046	0.023	0.043	0.016	60.547	TRUE	4.97E-14
Overall asthma	CBS	cg15300856	rs118097759	C	A	-0.470	0.066	0.035	7.71E-13	0.062	0.027	0.023	0.014	51.327	TRUE	5.39E-12
Overall asthma	CBS	cg15300856	rs11909507	A	G	0.256	0.043	0.086	2.06E-09	0.033	0.017	0.055	0.010	35.899	TRUE	8.00E-09
Overall asthma	CBS	cg15300856	rs234771	C	T	-0.400	0.042	0.082	1.63E-21	-0.040	0.017	0.021	0.024	90.707	TRUE	3.08E-20
Overall asthma	CBS	cg15300856	rs28888543	A	G	0.186	0.031	0.173	1.09E-09	0.033	0.012	0.006	0.010	37.145	TRUE	6.90E-09
Overall asthma	CBS	cg15300856	rs62217610	A	C	-0.346	0.028	0.205	3.55E-34	-0.026	0.011	0.024	0.039	148.498	TRUE	2.96E-32
Overall asthma	CBS	cg15300856	rs78072851	C	G	-0.489	0.074	0.030	3.71E-11	0.011	0.031	0.720	0.012	43.740	TRUE	6.33E-11
Overall asthma	CBS	cg15300856	rs9653816	T	C	0.148	0.024	0.366	1.01E-09	0.006	0.010	0.550	0.010	37.278	TRUE	1.85E-09

Overall asthma	CBS	cg19312314	rs12482487	T	C	0.492	0.058	0.040	2.40E-17	0.048	0.024	0.043	0.019	71.748	TRUE	2.17E-16
Overall asthma	CBS	cg19312314	rs145115457	T	A	-0.453	0.075	0.031	1.17E-09	0.024	0.026	0.360	0.010	37.004	TRUE	2.58E-09
Overall asthma	CBS	cg19312314	rs149095199	T	C	-0.430	0.040	0.084	1.62E-26	0.044	0.016	0.006	0.030	113.509	TRUE	8.00E-25
Overall asthma	CBS	cg19312314	rs150860006	T	A	0.925	0.165	0.011	2.20E-08	0.042	0.041	0.300	0.008	31.295	TRUE	4.70E-08
Overall asthma	CBS	cg19312314	rs181911461	A	G	-0.552	0.090	0.019	8.29E-10	0.085	0.034	0.013	0.010	37.671	TRUE	4.64E-09
Overall asthma	CBS	cg19312314	rs2276240	A	G	-0.172	0.025	0.332	2.76E-12	-0.004	0.010	0.730	0.013	48.829	TRUE	4.98E-12
Overall asthma	CBS	cg19312314	rs35112095	A	G	0.295	0.049	0.057	1.79E-09	0.008	0.020	0.690	0.010	36.170	TRUE	2.89E-09
Overall asthma	CBS	cg19312314	rs35628508	C	T	-0.455	0.049	0.053	1.90E-20	-0.022	0.020	0.270	0.023	85.851	TRUE	1.07E-19
Overall asthma	CBS	cg19312314	rs62650037	G	A	0.331	0.023	0.440	1.40E-46	-0.003	0.010	0.770	0.053	205.263	TRUE	3.62E-45
Overall asthma	CBS	cg19312314	rs71320557	T	C	0.430	0.037	0.107	3.24E-31	-0.015	0.015	0.330	0.035	134.966	TRUE	4.27E-30
Overall asthma	CBS	cg19312314	rs74748949	T	G	0.418	0.076	0.025	3.91E-08	0.004	0.029	0.890	0.008	30.177	TRUE	5.11E-08
Overall asthma	CBS	cg19312314	rs9637290	T	C	-0.791	0.020	0.493	<1E-200	0.021	0.010	0.027	0.297	1559.258	TRUE	9.68E-296
Overall asthma	CBS	cg22633722	rs234716	A	C	-0.261	0.042	0.081	4.87E-10	-0.042	0.017	0.015	0.010	38.709	TRUE	2.75E-09
Overall asthma	CBS	cg22633722	rs62217610	A	C	-0.208	0.029	0.205	3.22E-13	-0.026	0.011	0.024	0.014	53.042	TRUE	2.46E-12
Overall asthma	CD70	cg22633597	rs10425142	A	G	0.260	0.031	0.179	3.63E-17	0.016	0.013	0.220	0.019	70.929	TRUE	1.75E-16
Overall asthma	CD70	cg22633597	rs12971302	C	T	-0.460	0.025	0.314	6.21E-77	0.031	0.010	0.002	0.085	344.460	TRUE	1.16E-71
Overall asthma	CD70	cg22633597	rs344590	T	C	-0.319	0.045	0.148	8.88E-13	-0.007	0.014	0.630	0.014	51.049	TRUE	1.80E-12
Overall asthma	CD70	cg22633597	rs685587	A	G	0.277	0.033	0.389	5.97E-17	-0.013	0.010	0.180	0.019	69.950	TRUE	3.01E-16
Overall asthma	CD70	cg26737640	rs112136162	A	G	-0.267	0.024	0.430	1.38E-29	-0.022	0.010	0.023	0.033	127.528	TRUE	6.13E-28
Overall asthma	CD70	cg26737640	rs411204	C	G	0.220	0.039	0.121	2.39E-08	-0.042	0.015	0.006	0.008	31.132	TRUE	1.30E-07
Overall asthma	CD84	cg13188263	rs11265434	G	A	-0.650	0.084	0.017	8.97E-15	-0.003	0.033	0.940	0.016	60.077	TRUE	1.52E-14
Overall asthma	CD84	cg13188263	rs55917218	C	G	0.273	0.025	0.319	1.12E-27	0.023	0.010	0.024	0.031	118.809	TRUE	4.03E-26
Overall asthma	CD84	cg19718360	rs11265434	G	A	-0.618	0.084	0.017	1.45E-13	-0.003	0.033	0.940	0.015	54.606	TRUE	2.31E-13
Overall asthma	CD84	cg19718360	rs7521247	G	A	-0.217	0.025	0.336	7.34E-19	0.015	0.010	0.150	0.021	78.627	TRUE	5.09E-18
Overall asthma	CD84	cg21454485	rs9726326	C	T	-0.167	0.024	0.381	4.90E-12	0.024	0.010	0.016	0.013	47.702	TRUE	3.46E-11
Overall asthma	CD84	cg27304328	rs28823334	A	T	0.285	0.047	0.061	1.14E-09	0.014	0.019	0.450	0.010	37.045	TRUE	2.27E-09
Overall asthma	CD84	cg27304328	rs3766384	C	G	-0.539	0.024	0.329	1.61E-110	0.021	0.010	0.038	0.119	498.677	TRUE	4.84E-103
Overall asthma	CDC42	cg11572548	rs11583790	A	G	0.442	0.035	0.138	6.87E-37	-0.042	0.014	0.002	0.042	160.905	TRUE	1.70E-34
Overall asthma	CDC42	cg11572548	rs34870854	A	C	0.233	0.033	0.156	1.76E-12	-0.021	0.013	0.110	0.013	49.704	TRUE	7.54E-12
Overall asthma	CDC42	cg21772489	rs12747516	A	G	-0.189	0.032	0.154	4.11E-09	-0.007	0.013	0.600	0.009	34.550	TRUE	6.99E-09
Overall asthma	CDC42	cg21772489	rs78715691	C	T	-1.167	0.110	0.022	2.62E-26	0.035	0.033	0.280	0.030	112.552	TRUE	2.35E-25
Overall asthma	CDC42	cg23987736	rs3754497	A	G	0.394	0.035	0.138	1.47E-29	-0.042	0.014	0.002	0.033	127.395	TRUE	1.38E-27
Overall asthma	CDC42	cg23987736	rs4565679	C	T	-0.133	0.024	0.373	3.82E-08	-0.005	0.010	0.590	0.008	30.224	TRUE	6.20E-08
Overall asthma	CDC42	cg23987736	rs7536301	T	C	-0.340	0.043	0.078	4.53E-15	-0.022	0.018	0.210	0.016	61.420	TRUE	1.83E-14
Overall asthma	CDH1	cg01251360	rs113703890	T	C	0.413	0.073	0.058	1.75E-08	-0.010	0.019	0.610	0.009	31.740	TRUE	2.83E-08
Overall asthma	CDH1	cg01251360	rs117768501	T	A	0.559	0.082	0.021	8.24E-12	-0.059	0.035	0.093	0.012	46.683	TRUE	3.47E-11
Overall asthma	CDH1	cg01251360	rs117773923	G	C	-0.285	0.043	0.077	5.61E-11	0.004	0.017	0.810	0.011	42.928	TRUE	8.84E-11
Overall asthma	CDH1	cg01251360	rs11861362	G	C	0.218	0.029	0.221	3.74E-14	0.001	0.012	0.950	0.015	57.269	TRUE	6.03E-14
Overall asthma	CDH1	cg01251360	rs12926010	G	A	0.678	0.022	0.397	1.87E-199	-0.026	0.010	0.008	0.197	907.422	TRUE	3.69E-180
Overall asthma	CDH1	cg01251360	rs146445162	T	A	0.438	0.078	0.028	2.23E-08	-0.066	0.029	0.026	0.008	31.265	TRUE	9.29E-08
Overall asthma	CDH1	cg01251360	rs153045	C	T	-0.139	0.025	0.349	4.81E-08	0.000	0.010	0.990	0.008	29.776	TRUE	5.86E-08
Overall asthma	CDH1	cg01251360	rs33965115	A	G	0.289	0.050	0.056	7.07E-09	0.010	0.019	0.590	0.009	33.499	TRUE	1.19E-08

Overall asthma	CDH1	cg01251360	rs35628469	A	G	0.241	0.037	0.118	5.05E-11	-0.033	0.015	0.023	0.012	43.136	TRUE	2.72E-10
Overall asthma	CDH1	cg01251360	rs55803225	T	C	-0.351	0.028	0.225	8.93E-37	0.010	0.011	0.370	0.042	160.383	TRUE	1.79E-35
Overall asthma	CDH1	cg01251360	rs696589	A	G	0.184	0.024	0.475	1.81E-14	-0.017	0.010	0.080	0.016	58.693	TRUE	1.04E-13
Overall asthma	CDH1	cg01251360	rs77649342	A	T	0.445	0.072	0.027	8.03E-10	0.040	0.030	0.180	0.010	37.732	TRUE	2.29E-09
Overall asthma	CDH1	cg01251360	rs8056633	G	T	-0.182	0.028	0.211	6.74E-11	0.024	0.011	0.035	0.011	42.570	TRUE	3.54E-10
Overall asthma	CDH1	cg01251360	rs8063605	C	T	0.348	0.035	0.116	5.23E-23	0.052	0.014	3.00E-04	0.026	97.505	TRUE	4.08E-21
Overall asthma	CDH1	cg01251360	rs9934572	G	A	-0.223	0.030	0.193	9.15E-14	0.023	0.012	0.057	0.015	55.512	TRUE	5.43E-13
Overall asthma	CDH1	cg01251360	rs9936766	C	T	0.190	0.029	0.213	2.87E-11	-0.035	0.012	0.002	0.012	44.242	TRUE	2.48E-10
Overall asthma	CDH1	cg01857829	rs4783676	A	C	0.229	0.024	0.426	2.72E-22	-0.024	0.010	0.014	0.025	94.241	TRUE	6.28E-21
Overall asthma	CDH1	cg04398983	rs4783676	A	C	0.288	0.024	0.426	1.42E-34	-0.024	0.010	0.014	0.039	150.313	TRUE	1.41E-32
Overall asthma	CDH1	cg04398983	rs7202333	C	T	0.155	0.024	0.392	7.99E-11	-0.017	0.010	0.086	0.011	42.238	TRUE	3.20E-10
Overall asthma	CDH1	cg04398983	rs8049247	A	C	-0.200	0.034	0.139	3.36E-09	0.031	0.014	0.024	0.009	34.944	TRUE	1.49E-08
Overall asthma	CDH1	cg04398983	rs9936766	C	T	0.167	0.028	0.213	4.19E-09	-0.035	0.012	0.002	0.009	34.514	TRUE	2.70E-08
Overall asthma	CDH1	cg05785947	rs1886699	G	T	0.281	0.038	0.105	8.00E-14	0.017	0.015	0.260	0.015	55.775	TRUE	2.75E-13
Overall asthma	CDH1	cg07762788	rs192253604	A	G	0.332	0.050	0.059	2.05E-11	0.022	0.020	0.270	0.012	44.897	TRUE	5.73E-11
Overall asthma	CDH1	cg08616585	rs8059194	G	A	-0.202	0.024	0.395	2.92E-17	-0.028	0.010	0.004	0.019	71.361	TRUE	5.14E-16
Overall asthma	CDH1	cg09220040	rs118029198	G	T	-0.530	0.065	0.030	2.07E-16	0.044	0.026	0.092	0.018	67.495	TRUE	1.34E-15
Overall asthma	CDH1	cg09220040	rs16958383	A	G	-0.614	0.032	0.137	3.02E-81	0.050	0.013	1.90E-04	0.090	364.259	TRUE	4.79E-75
Overall asthma	CDH1	cg09220040	rs3114396	G	A	-0.199	0.027	0.258	1.12E-13	0.033	0.011	0.002	0.015	55.116	TRUE	1.40E-12
Overall asthma	CDH1	cg09220040	rs7202333	C	T	0.159	0.024	0.392	2.34E-11	-0.017	0.010	0.086	0.012	44.639	TRUE	9.86E-11
Overall asthma	CDH1	cg09220040	rs75025381	T	C	-0.194	0.028	0.208	4.15E-12	0.025	0.012	0.037	0.013	48.026	TRUE	2.33E-11
Overall asthma	CDH1	cg09220040	rs79699130	A	G	-0.497	0.064	0.033	9.02E-15	0.040	0.025	0.100	0.016	60.066	TRUE	4.69E-14
Overall asthma	CDH1	cg09220040	rs8049967	A	G	-0.359	0.062	0.036	6.44E-09	0.013	0.024	0.580	0.009	33.679	TRUE	1.09E-08
Overall asthma	CDH1	cg09406989	rs11861362	G	C	0.205	0.029	0.221	1.20E-12	0.001	0.012	0.950	0.013	50.466	TRUE	1.80E-12
Overall asthma	CDH1	cg09406989	rs13689	C	T	-0.245	0.030	0.182	2.04E-16	0.025	0.012	0.039	0.018	67.525	TRUE	1.79E-15
Overall asthma	CDH1	cg09406989	rs146445162	T	A	0.513	0.078	0.028	5.15E-11	-0.066	0.029	0.026	0.012	43.097	TRUE	2.90E-10
Overall asthma	CDH1	cg09406989	rs150699501	T	C	-0.566	0.097	0.014	5.62E-09	0.018	0.040	0.660	0.009	33.944	TRUE	9.09E-09
Overall asthma	CDH1	cg09406989	rs34171206	A	G	0.239	0.024	0.461	3.39E-24	-0.014	0.010	0.140	0.027	102.919	TRUE	3.70E-23
Overall asthma	CDH1	cg09406989	rs72787251	A	G	-0.258	0.044	0.077	3.10E-09	0.003	0.017	0.840	0.009	35.101	TRUE	4.40E-09
Overall asthma	CDH1	cg09406989	rs75158225	A	G	0.506	0.084	0.021	1.48E-09	-0.056	0.036	0.120	0.010	36.537	TRUE	4.69E-09
Overall asthma	CDH1	cg09406989	rs77649342	A	T	0.431	0.072	0.027	2.54E-09	0.040	0.030	0.180	0.010	35.489	TRUE	6.94E-09
Overall asthma	CDH1	cg09406989	rs79777749	A	C	-0.327	0.042	0.082	1.29E-14	-0.010	0.017	0.530	0.016	59.369	TRUE	3.14E-14
Overall asthma	CDH1	cg09406989	rs8063605	C	T	0.313	0.035	0.116	6.68E-19	0.052	0.014	3.00E-04	0.021	78.812	TRUE	2.91E-17
Overall asthma	CDH1	cg09406989	rs9673498	T	C	-0.200	0.029	0.217	4.66E-12	0.015	0.011	0.200	0.013	47.800	TRUE	1.63E-11
Overall asthma	CDH1	cg13920367	rs10775304	C	T	0.162	0.026	0.295	6.34E-10	-0.007	0.011	0.500	0.010	38.195	TRUE	1.21E-09
Overall asthma	CDH1	cg13920367	rs1107074	G	A	-0.251	0.028	0.233	1.13E-19	0.019	0.011	0.082	0.022	82.326	TRUE	1.02E-18
Overall asthma	CDH1	cg13920367	rs11649261	A	G	-0.296	0.024	0.343	4.44E-34	0.007	0.010	0.520	0.038	148.052	TRUE	5.17E-33
Overall asthma	CDH1	cg13920367	rs13332087	C	T	-0.237	0.030	0.193	2.91E-15	0.023	0.012	0.060	0.017	62.295	TRUE	2.00E-14
Overall asthma	CDH1	cg13920367	rs139478886	G	A	-0.492	0.087	0.014	1.75E-08	0.076	0.033	0.020	0.009	31.740	TRUE	7.47E-08
Overall asthma	CDH1	cg13920367	rs146445162	T	A	0.573	0.078	0.028	2.27E-13	-0.066	0.029	0.026	0.014	53.723	TRUE	1.66E-12
Overall asthma	CDH1	cg13920367	rs1812452	C	G	-0.312	0.028	0.218	1.33E-29	0.026	0.011	0.019	0.033	127.598	TRUE	6.40E-28
Overall asthma	CDH1	cg13920367	rs192891750	G	C	0.471	0.080	0.024	4.26E-09	-0.042	0.029	0.140	0.009	34.484	TRUE	1.22E-08

Overall asthma	CDH1	cg13920367	rs33965115	A	G	0.479	0.050	0.056	5.49E-22	0.010	0.019	0.590	0.024	92.853	TRUE	2.08E-21
Overall asthma	CDH1	cg13920367	rs62057896	A	G	-0.328	0.036	0.109	2.24E-19	0.013	0.015	0.410	0.021	80.972	TRUE	9.49E-19
Overall asthma	CDH1	cg13920367	rs7184242	A	G	0.719	0.025	0.291	4.48E-187	-0.041	0.011	9.50E-05	0.187	850.508	TRUE	2.15E-168
Overall asthma	CDH1	cg13920367	rs7199649	G	A	-0.337	0.034	0.134	2.80E-23	0.041	0.014	0.005	0.026	98.745	TRUE	1.10E-21
Overall asthma	CDH1	cg13920367	rs75158225	A	G	0.666	0.084	0.021	1.57E-15	-0.056	0.036	0.120	0.017	63.507	TRUE	8.45E-15
Overall asthma	CDH1	cg13920367	rs8055800	T	C	-0.239	0.044	0.078	4.27E-08	0.003	0.016	0.870	0.008	30.005	TRUE	5.69E-08
Overall asthma	CDH1	cg13920367	rs9783747	G	A	0.244	0.031	0.173	3.03E-15	-0.009	0.013	0.490	0.017	62.215	TRUE	8.18E-15
Overall asthma	CDH1	cg16739895	rs12926010	G	A	0.134	0.024	0.397	1.41E-08	-0.026	0.010	0.008	0.009	32.157	TRUE	7.34E-08
Overall asthma	CDH1	cg17655614	rs11075699	G	A	-0.141	0.023	0.447	1.21E-09	0.007	0.010	0.460	0.010	36.929	TRUE	2.41E-09
Overall asthma	CDH1	cg17655614	rs3912073	G	T	0.315	0.037	0.108	1.93E-17	0.020	0.015	0.190	0.019	72.180	TRUE	1.03E-16
Overall asthma	CDH1	cg20716119	rs12923775	C	T	0.246	0.024	0.420	2.94E-25	-0.024	0.010	0.013	0.028	107.766	TRUE	9.53E-24
Overall asthma	CDH1	cg23989635	rs11642362	T	C	0.177	0.024	0.424	7.26E-14	-0.024	0.010	0.015	0.015	55.966	TRUE	6.44E-13
Overall asthma	CDH1	cg24765079	rs11075695	C	G	0.548	0.023	0.392	8.60E-125	-0.028	0.010	0.004	0.132	564.246	TRUE	3.99E-115
Overall asthma	CDH1	cg24765079	rs12149862	A	G	0.172	0.031	0.173	2.94E-08	-0.008	0.013	0.540	0.008	30.728	TRUE	4.93E-08
Overall asthma	CDH1	cg24765079	rs34171206	A	G	0.220	0.024	0.461	1.25E-20	-0.014	0.010	0.140	0.023	86.677	TRUE	9.80E-20
Overall asthma	CDH1	cg24765079	rs7200932	G	C	0.220	0.032	0.175	4.59E-12	-0.006	0.013	0.670	0.013	47.831	TRUE	8.59E-12
Overall asthma	CDH1	cg24765079	rs72787251	A	G	-0.266	0.044	0.077	1.15E-09	0.003	0.017	0.840	0.010	37.034	TRUE	1.66E-09
Overall asthma	CDH1	cg24765079	rs75921150	C	A	0.560	0.095	0.017	4.11E-09	-0.032	0.041	0.440	0.009	34.553	TRUE	8.07E-09
Overall asthma	CDH1	cg24765079	rs8063605	C	T	0.304	0.035	0.116	7.03E-18	0.052	0.014	3.00E-04	0.020	74.168	TRUE	2.65E-16
Overall asthma	CDH1	cg24765079	rs9934572	G	A	-0.191	0.030	0.193	1.83E-10	0.023	0.012	0.057	0.011	40.617	TRUE	7.82E-10
Overall asthma	CDH1	cg26508465	rs13330378	A	G	-0.202	0.026	0.299	3.68E-15	-0.041	0.011	1.00E-04	0.016	61.833	TRUE	9.42E-14
Overall asthma	CDH1	cg26508465	rs74608019	T	C	0.506	0.078	0.020	1.03E-10	0.013	0.032	0.680	0.011	41.739	TRUE	1.78E-10
Overall asthma	CEBPB	cg02930951	rs17196752	T	C	-0.250	0.030	0.189	1.04E-16	-0.037	0.012	0.002	0.018	68.858	TRUE	2.03E-15
Overall asthma	CEBPB	cg02930951	rs1887934	T	A	-0.140	0.024	0.401	6.94E-09	-0.018	0.010	0.063	0.009	33.532	TRUE	2.44E-08
Overall asthma	CEBPB	cg02930951	rs6020312	C	T	-0.148	0.023	0.486	3.00E-10	-0.026	0.010	0.007	0.011	39.650	TRUE	2.00E-09
Overall asthma	CEBPB	cg02930951	rs75699644	G	A	0.335	0.050	0.063	1.53E-11	0.051	0.019	0.007	0.012	45.465	TRUE	1.19E-10
Overall asthma	CHMP6	cg05640423	rs112531003	A	G	-0.471	0.062	0.036	3.59E-14	0.058	0.026	0.030	0.015	57.349	TRUE	2.77E-13
Overall asthma	CHMP6	cg05640423	rs11653319	T	C	0.211	0.027	0.291	9.71E-15	-0.004	0.011	0.710	0.016	59.921	TRUE	2.02E-14
Overall asthma	CHMP6	cg05640423	rs11653865	A	G	0.508	0.023	0.413	8.66E-104	-0.013	0.010	0.190	0.112	467.764	TRUE	1.27E-97
Overall asthma	CHMP6	cg05640423	rs11653888	T	G	0.308	0.027	0.252	3.00E-30	0.008	0.011	0.490	0.034	130.545	TRUE	2.57E-29
Overall asthma	CHMP6	cg05640423	rs12603356	A	G	-0.179	0.024	0.473	9.23E-14	-0.001	0.010	0.940	0.015	55.494	TRUE	1.48E-13
Overall asthma	CHMP6	cg05640423	rs2725399	C	T	-0.154	0.026	0.293	1.59E-09	-0.017	0.011	0.120	0.010	36.396	TRUE	5.00E-09
Overall asthma	CHMP6	cg05640423	rs58903229	A	T	-0.969	0.048	0.080	1.01E-89	-0.022	0.018	0.230	0.098	403.156	TRUE	7.24E-85
Overall asthma	CHMP6	cg05640423	rs62068550	A	G	0.244	0.035	0.143	2.03E-12	0.012	0.014	0.390	0.013	49.427	TRUE	5.20E-12
Overall asthma	CHMP6	cg05640423	rs7502314	C	G	-0.167	0.030	0.188	2.80E-08	0.008	0.013	0.530	0.008	30.825	TRUE	4.72E-08
Overall asthma	CHMP6	cg05640423	rs77734083	A	G	-1.125	0.089	0.018	1.69E-36	-0.009	0.033	0.780	0.041	159.122	TRUE	1.58E-35
Overall asthma	CHMP6	cg05640423	rs8068653	G	C	-1.403	0.035	0.102	<1E-200	-0.003	0.016	0.850	0.299	1579.351	TRUE	3.68E-302
Overall asthma	CHMP6	cg06163904	rs11653319	T	C	0.159	0.027	0.291	5.17E-09	-0.004	0.011	0.710	0.009	34.105	TRUE	7.98E-09
Overall asthma	CHMP6	cg06163904	rs2271603	T	C	-0.143	0.025	0.313	1.08E-08	0.003	0.010	0.780	0.009	32.682	TRUE	1.57E-08
Overall asthma	CHMP6	cg06163904	rs4969328	C	A	-0.297	0.024	0.414	1.86E-35	-0.013	0.010	0.190	0.040	154.357	TRUE	5.52E-34
Overall asthma	CHMP6	cg06565604	rs60323363	A	G	0.133	0.023	0.412	1.18E-08	0.020	0.010	0.036	0.009	32.499	TRUE	4.58E-08
Overall asthma	CHMP6	cg13390332	rs113030162	G	A	0.268	0.027	0.252	2.51E-23	0.012	0.011	0.260	0.026	98.956	TRUE	1.79E-22

Overall asthma	CHMP6	cg13390332	rs34824166	T	C	-0.850	0.068	0.032	3.79E-36	-0.008	0.027	0.750	0.041	157.512	TRUE	3.57E-35
Overall asthma	CHMP6	cg13390332	rs6565524	T	C	-0.378	0.040	0.098	4.56E-21	0.005	0.017	0.770	0.023	88.669	TRUE	1.31E-20
Overall asthma	CHMP6	cg13390332	rs72850551	A	G	-0.864	0.065	0.036	1.16E-40	-0.026	0.025	0.290	0.046	178.162	TRUE	4.22E-39
Overall asthma	CHMP6	cg13390332	rs77734083	A	G	-0.746	0.090	0.018	8.25E-17	-0.009	0.033	0.780	0.018	69.312	TRUE	1.81E-16
Overall asthma	CHMP6	cg13390332	rs8081168	C	A	-1.047	0.029	0.181	5.22E-291	-0.009	0.013	0.460	0.264	1328.436	TRUE	3.10E-258
Overall asthma	CHMP6	cg13390332	rs9915041	A	G	0.289	0.028	0.249	2.43E-25	-0.012	0.011	0.290	0.028	108.139	TRUE	2.06E-24
Overall asthma	CHMP6	cg16100749	rs34824166	T	C	-0.394	0.067	0.032	5.25E-09	-0.008	0.027	0.750	0.009	34.077	TRUE	7.84E-09
Overall asthma	CHMP6	cg16100749	rs7224252	A	G	-0.196	0.034	0.137	9.08E-09	0.011	0.014	0.410	0.009	33.010	TRUE	1.75E-08
Overall asthma	CHMP6	cg16100749	rs8081168	C	A	-0.505	0.033	0.181	3.64E-53	-0.009	0.013	0.460	0.060	235.442	TRUE	3.66E-51
Overall asthma	CHMP6	cg17714010	rs60323363	A	G	0.146	0.023	0.412	3.61E-10	0.020	0.010	0.036	0.011	39.293	TRUE	1.65E-09
Overall asthma	CHMP6	cg18639049	rs4969328	C	A	0.155	0.024	0.414	7.11E-11	-0.013	0.010	0.190	0.011	42.464	TRUE	2.22E-10
Overall asthma	CHMP6	cg20903433	rs8081168	C	A	-0.251	0.033	0.181	6.02E-14	-0.009	0.013	0.460	0.015	56.334	TRUE	1.55E-13
Overall asthma	CHMP6	cg25376409	rs35944727	C	T	0.162	0.027	0.252	1.81E-09	0.010	0.011	0.390	0.010	36.149	TRUE	3.82E-09
Overall asthma	CHMP6	cg25376409	rs72850551	A	G	-0.408	0.065	0.036	3.61E-10	-0.026	0.025	0.290	0.011	39.291	TRUE	8.87E-10
Overall asthma	CHMP6	cg25376409	rs77734083	A	G	-0.523	0.090	0.018	5.54E-09	-0.009	0.033	0.780	0.009	33.971	TRUE	8.14E-09
Overall asthma	CHMP6	cg25376409	rs8071514	C	A	0.168	0.024	0.453	1.05E-12	-0.014	0.010	0.140	0.014	50.716	TRUE	4.13E-12
Overall asthma	CHMP6	cg25376409	rs8081168	C	A	-0.667	0.032	0.181	4.69E-94	-0.009	0.013	0.460	0.103	423.063	TRUE	2.90E-89
Overall asthma	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	-0.003	0.010	0.740	0.014	51.673	TRUE	1.19E-12
Overall asthma	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	-0.012	0.010	0.240	0.014	52.012	TRUE	1.83E-12
Overall asthma	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	-0.011	0.022	0.630	0.014	52.555	TRUE	8.64E-13
Overall asthma	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	-0.020	0.025	0.420	0.009	32.855	TRUE	1.91E-08
Overall asthma	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	0.000	0.010	0.970	0.016	59.196	TRUE	2.28E-14
Overall asthma	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	0.029	0.018	0.110	0.330	1817.779	TRUE	<1E-200
Overall asthma	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	0.042	0.010	2.60E-05	0.023	88.968	TRUE	3.70E-19
Overall asthma	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	0.019	0.010	0.062	0.028	106.985	TRUE	7.95E-24
Overall asthma	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	0.012	0.013	0.360	0.011	39.531	TRUE	7.34E-10
Overall asthma	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	0.002	0.027	0.930	0.017	65.776	TRUE	8.97E-16
Overall asthma	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	-0.100	0.036	0.005	0.017	64.538	TRUE	1.28E-14
Overall asthma	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	-0.012	0.010	0.240	0.019	72.841	TRUE	6.69E-17
Overall asthma	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	0.027	0.011	0.015	0.011	41.726	TRUE	6.30E-10
Overall asthma	CLEC16A	cg00121339	rs3960630	A	C	0.183	0.028	0.222	3.10E-11	0.016	0.011	0.170	0.012	44.088	TRUE	1.07E-10
Overall asthma	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	0.026	0.010	0.012	0.028	106.434	TRUE	2.04E-23
Overall asthma	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	-0.024	0.010	0.013	0.075	299.324	TRUE	4.85E-63
Overall asthma	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	0.005	0.015	0.730	0.161	707.670	TRUE	2.83E-145
Overall asthma	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	-0.057	0.040	0.160	0.014	51.405	TRUE	2.88E-12
Overall asthma	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	0.032	0.012	0.006	0.009	32.640	TRUE	5.85E-08
Overall asthma	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	0.003	0.014	0.850	0.018	66.076	TRUE	8.36E-16
Overall asthma	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	-0.043	0.010	7.00E-06	0.019	73.132	TRUE	7.88E-16
Overall asthma	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	-0.011	0.022	0.630	0.014	52.740	TRUE	7.88E-13
Overall asthma	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	0.018	0.010	0.068	0.012	45.917	TRUE	5.56E-11
Overall asthma	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	0.027	0.013	0.033	0.030	112.666	TRUE	6.14E-25
Overall asthma	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	0.029	0.018	0.110	0.066	261.606	TRUE	5.83E-56

Overall asthma	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	0.026	0.011	0.017	0.015	56.091	TRUE	5.61E-13
Overall asthma	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	-0.046	0.010	1.80E-06	0.014	54.032	TRUE	7.88E-12
Overall asthma	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	0.013	0.010	0.180	0.019	73.015	TRUE	6.96E-17
Overall asthma	CLEC16A	cg02101434	rs248829	G	C	0.188	0.025	0.357	2.32E-14	0.034	0.010	6.60E-04	0.015	58.209	TRUE	4.19E-13
Overall asthma	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	0.035	0.015	0.017	0.076	302.166	TRUE	1.03E-63
Overall asthma	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	0.025	0.014	0.075	0.009	33.983	TRUE	1.88E-08
Overall asthma	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	-0.012	0.010	0.230	0.011	40.350	TRUE	5.78E-10
Overall asthma	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	-0.035	0.011	0.001	0.014	52.354	TRUE	5.95E-12
Overall asthma	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	0.039	0.012	8.40E-04	0.011	40.126	TRUE	2.19E-09
Overall asthma	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	-0.055	0.010	3.90E-08	0.072	288.915	TRUE	7.04E-59
Overall asthma	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	-0.058	0.034	0.083	0.009	32.086	TRUE	4.58E-08
Overall asthma	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	0.015	0.012	0.200	0.011	41.593	TRUE	3.22E-10
Overall asthma	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	-0.002	0.021	0.940	0.011	41.041	TRUE	2.05E-10
Overall asthma	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	0.150	0.037	7.10E-05	0.012	43.128	TRUE	8.43E-10
Overall asthma	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	0.008	0.012	0.500	0.022	84.691	TRUE	1.32E-19
Overall asthma	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	0.035	0.027	0.180	0.016	61.438	TRUE	1.92E-14
Overall asthma	CLEC16A	cg05080940	rs12598008	G	C	-0.800	0.021	0.410	<1E-200	0.007	0.010	0.460	0.285	1476.860	TRUE	7.36E-284
Overall asthma	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	-0.017	0.010	0.092	0.082	331.161	TRUE	5.01E-70
Overall asthma	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	-0.031	0.027	0.250	0.033	126.080	TRUE	3.67E-28
Overall asthma	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	0.060	0.020	0.003	0.055	217.234	TRUE	4.95E-46
Overall asthma	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	0.009	0.010	0.360	0.016	60.667	TRUE	2.11E-14
Overall asthma	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	0.016	0.010	0.130	0.019	71.819	TRUE	1.52E-16
Overall asthma	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	-0.019	0.011	0.084	0.009	32.295	TRUE	4.18E-08
Overall asthma	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	-0.009	0.010	0.350	0.013	48.377	TRUE	9.23E-12
Overall asthma	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	-0.060	0.028	0.028	0.010	37.194	TRUE	4.76E-09
Overall asthma	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	0.017	0.010	0.089	0.065	257.463	TRUE	5.07E-55
Overall asthma	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	0.011	0.012	0.360	0.048	188.382	TRUE	2.70E-41
Overall asthma	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	0.027	0.015	0.084	0.064	251.330	TRUE	9.75E-54
Overall asthma	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	0.023	0.010	0.020	0.036	137.835	TRUE	4.71E-30
Overall asthma	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	0.028	0.021	0.180	0.012	43.796	TRUE	1.14E-10
Overall asthma	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	-0.067	0.017	8.90E-05	0.013	47.342	TRUE	1.07E-10
Overall asthma	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	-0.057	0.040	0.160	0.009	32.445	TRUE	3.30E-08
Overall asthma	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	-0.078	0.019	5.40E-05	0.025	96.102	TRUE	1.13E-20
Overall asthma	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	0.017	0.013	0.190	0.025	96.297	TRUE	7.98E-22
Overall asthma	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	0.036	0.010	2.20E-04	0.118	494.295	TRUE	9.49E-101
Overall asthma	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	0.001	0.016	0.940	0.034	129.354	TRUE	2.38E-29
Overall asthma	CLEC16A	cg07486170	rs9937173	C	G	-0.144	0.025	0.338	4.09E-09	0.032	0.010	0.001	0.009	34.562	TRUE	3.08E-08
Overall asthma	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	-0.048	0.011	6.10E-06	0.017	62.213	TRUE	1.25E-13
Overall asthma	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	0.012	0.015	0.430	0.053	205.610	TRUE	6.12E-45
Overall asthma	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	-0.086	0.012	2.50E-13	0.029	112.295	TRUE	1.02E-22
Overall asthma	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	0.002	0.027	0.930	0.011	39.870	TRUE	3.72E-10
Overall asthma	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	-0.100	0.036	0.005	0.013	50.367	TRUE	1.18E-11

Overall asthma	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	-0.031	0.011	0.007	0.014	50.897	TRUE	9.40E-12
Overall asthma	CLEC16A	cg10468236	rs7185202	C	G	0.142	0.024	0.412	4.06E-09	0.018	0.010	0.069	0.009	34.577	TRUE	1.46E-08
Overall asthma	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	-0.057	0.040	0.160	0.009	34.738	TRUE	1.06E-08
Overall asthma	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	0.002	0.014	0.910	0.082	329.037	TRUE	9.13E-71
Overall asthma	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	0.027	0.018	0.140	0.015	56.577	TRUE	2.40E-13
Overall asthma	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	-0.030	0.013	0.020	0.009	34.069	TRUE	2.40E-08
Overall asthma	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	0.035	0.015	0.017	0.012	45.951	TRUE	7.51E-11
Overall asthma	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	-0.031	0.027	0.250	0.065	257.083	TRUE	2.45E-55
Overall asthma	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	-0.035	0.010	4.30E-04	0.034	129.413	TRUE	8.92E-28
Overall asthma	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	0.025	0.019	0.170	0.010	36.745	TRUE	3.69E-09
Overall asthma	CREB3L4	cg07556888	rs10908578	C	T	0.183	0.023	0.478	2.23E-15	0.018	0.010	0.060	0.017	62.813	TRUE	1.53E-14
Overall asthma	CREB3L4	cg09895920	rs4845586	G	T	-0.219	0.023	0.464	8.12E-21	0.020	0.010	0.033	0.023	87.527	TRUE	1.15E-19
Overall asthma	CSF2	cg08324925	rs11950815	A	G	0.217	0.024	0.370	4.49E-19	-0.043	0.010	1.20E-05	0.021	79.598	TRUE	3.48E-17
Overall asthma	CSF2	cg08324925	rs1291602	T	C	-0.201	0.033	0.157	1.19E-09	-0.007	0.013	0.610	0.010	36.972	TRUE	2.05E-09
Overall asthma	CSF2	cg08324925	rs31467	T	C	0.384	0.023	0.489	3.73E-60	-0.029	0.010	0.002	0.067	267.484	TRUE	3.29E-56
Overall asthma	CSF2	cg08324925	rs77335401	C	T	-0.318	0.037	0.121	4.23E-18	0.072	0.015	8.60E-07	0.020	75.170	TRUE	3.89E-16
Overall asthma	CSF2	cg13259290	rs1030271	G	C	0.156	0.024	0.351	1.26E-10	-0.044	0.010	8.10E-06	0.011	41.355	TRUE	2.52E-09
Overall asthma	CSF2	cg13259290	rs31467	T	C	0.215	0.024	0.489	8.91E-20	-0.029	0.010	0.002	0.022	82.794	TRUE	2.52E-18
Overall asthma	CSF2	cg16465129	rs17674015	A	C	0.215	0.024	0.367	1.29E-19	-0.048	0.010	9.90E-07	0.022	82.060	TRUE	1.66E-17
Overall asthma	CSF2	cg16465129	rs283753	C	T	-0.188	0.033	0.144	1.34E-08	0.024	0.014	0.076	0.009	32.248	TRUE	4.25E-08
Overall asthma	CSF2	cg16565692	rs3864277	A	G	0.238	0.023	0.433	1.45E-24	-0.041	0.010	1.90E-05	0.028	104.601	TRUE	2.28E-22
Overall asthma	CSF2	cg26369418	rs31467	T	C	0.147	0.024	0.489	6.49E-10	-0.029	0.010	0.002	0.010	38.149	TRUE	5.05E-09
Overall asthma	CTSF	cg03423112	rs607736	A	G	-0.146	0.025	0.294	4.71E-09	-0.010	0.010	0.340	0.009	34.286	TRUE	1.04E-08
Overall asthma	CTSF	cg05087948	rs372990781	C	G	-0.284	0.031	0.169	3.92E-20	-0.016	0.013	0.200	0.022	84.415	TRUE	2.41E-19
Overall asthma	CTSF	cg06817264	rs11604516	A	C	-0.341	0.056	0.046	1.31E-09	-0.014	0.023	0.560	0.010	36.777	TRUE	2.41E-09
Overall asthma	CTSF	cg06817264	rs150863712	T	C	-0.346	0.049	0.066	1.22E-12	-0.023	0.018	0.210	0.013	50.426	TRUE	4.22E-12
Overall asthma	CTSF	cg06817264	rs192262095	G	A	-0.395	0.071	0.033	3.10E-08	-0.003	0.025	0.910	0.008	30.627	TRUE	4.01E-08
Overall asthma	CTSF	cg06817264	rs34629385	A	G	0.320	0.050	0.054	1.70E-10	0.031	0.021	0.140	0.011	40.764	TRUE	5.57E-10
Overall asthma	CTSF	cg06817264	rs490972	A	G	0.132	0.024	0.456	2.13E-08	0.010	0.010	0.300	0.008	31.354	TRUE	4.56E-08
Overall asthma	CTSF	cg06817264	rs55969935	T	C	-0.426	0.039	0.097	2.98E-27	-0.011	0.017	0.530	0.031	116.862	TRUE	1.90E-26
Overall asthma	CTSF	cg06817264	rs615205	C	T	0.482	0.023	0.461	3.97E-100	0.020	0.010	0.039	0.109	450.948	TRUE	1.23E-93
Overall asthma	CTSF	cg06817264	rs72923011	C	A	0.307	0.051	0.056	1.20E-09	-0.010	0.020	0.610	0.010	36.947	TRUE	2.07E-09
Overall asthma	CTSF	cg06817264	rs74491182	T	C	-0.344	0.046	0.076	6.10E-14	-0.014	0.019	0.440	0.015	56.308	TRUE	1.59E-13
Overall asthma	CTSF	cg14778137	rs509556	A	G	0.131	0.023	0.460	1.38E-08	0.019	0.010	0.044	0.009	32.202	TRUE	5.07E-08
Overall asthma	CTSF	cg19255818	rs11824771	C	T	0.267	0.027	0.240	1.42E-22	-0.016	0.011	0.160	0.025	95.534	TRUE	1.32E-21
Overall asthma	CTSF	cg23230554	rs1625595	T	C	0.136	0.023	0.456	5.38E-09	0.010	0.010	0.300	0.009	34.028	TRUE	1.22E-08
Overall asthma	CTSF	cg23230554	rs17495838	C	T	-0.279	0.027	0.237	4.96E-25	-0.017	0.011	0.130	0.028	106.727	TRUE	6.38E-24
Overall asthma	CTSF	cg23230554	rs2242663	C	T	0.305	0.026	0.238	1.37E-30	-0.002	0.011	0.830	0.034	132.110	TRUE	7.25E-30
Overall asthma	CTSF	cg23230554	rs79179961	C	T	-0.378	0.065	0.031	5.36E-09	-0.031	0.024	0.200	0.009	34.035	TRUE	1.39E-08
Overall asthma	CTSF	cg23669043	rs117126977	G	A	-0.609	0.105	0.015	6.28E-09	0.020	0.040	0.610	0.009	33.727	TRUE	1.04E-08
Overall asthma	CTSF	cg23669043	rs117649561	A	G	-0.475	0.082	0.024	6.54E-09	0.028	0.032	0.380	0.009	33.649	TRUE	1.34E-08
Overall asthma	CTSF	cg23669043	rs117827012	T	C	-0.399	0.043	0.080	9.35E-21	-0.002	0.017	0.930	0.023	87.247	TRUE	2.20E-20

Overall asthma	CTSF	cg23669043	rs12807979	C	A	0.230	0.039	0.092	4.69E-09	0.015	0.015	0.310	0.009	34.296	TRUE	1.04E-08
Overall asthma	CTSF	cg23669043	rs150633715	C	G	-0.665	0.093	0.016	9.29E-13	0.005	0.032	0.890	0.014	50.961	TRUE	1.49E-12
Overall asthma	CTSF	cg23669043	rs1892939	A	G	-0.153	0.024	0.488	1.15E-10	0.006	0.010	0.500	0.011	41.520	TRUE	2.33E-10
Overall asthma	CTSF	cg23669043	rs192262095	G	A	-0.616	0.071	0.033	4.74E-18	-0.003	0.025	0.910	0.020	74.944	TRUE	9.72E-18
Overall asthma	CTSF	cg23669043	rs4576	G	A	-0.682	0.026	0.246	8.71E-150	-0.014	0.011	0.190	0.155	679.103	TRUE	8.01E-139
Overall asthma	CTSF	cg23669043	rs7104965	A	G	-0.325	0.054	0.049	1.64E-09	-0.072	0.023	0.002	0.010	36.341	TRUE	1.26E-08
Overall asthma	CTSF	cg23669043	rs77310563	T	C	-0.559	0.080	0.023	2.13E-12	-0.059	0.030	0.055	0.013	49.332	TRUE	1.14E-11
Overall asthma	CTSF	cg24808318	rs11227485	T	C	-0.142	0.025	0.287	2.59E-08	0.014	0.011	0.180	0.008	30.976	TRUE	6.30E-08
Overall asthma	CTSF	cg24808318	rs677488	C	T	0.228	0.023	0.461	6.61E-23	0.019	0.010	0.048	0.026	97.042	TRUE	1.06E-21
Overall asthma	CTSF	cg24987259	rs662094	A	G	-0.254	0.023	0.494	1.03E-27	-0.015	0.010	0.120	0.031	118.972	TRUE	1.78E-26
Overall asthma	CTSF	cg24987259	rs77600363	T	G	-0.237	0.028	0.229	6.93E-18	-0.019	0.011	0.100	0.020	74.197	TRUE	5.30E-17
Overall asthma	CUL4A	cg07827107	rs9549698	G	A	-0.154	0.027	0.262	9.27E-09	-0.006	0.011	0.600	0.009	32.972	TRUE	1.54E-08
Overall asthma	CUL4A	cg10012867	rs3861723	G	A	0.246	0.027	0.248	9.89E-20	-0.023	0.011	0.042	0.022	82.585	TRUE	1.23E-18
Overall asthma	CUL4A	cg10914120	rs9549361	C	T	0.236	0.028	0.239	1.07E-17	-0.017	0.011	0.130	0.019	73.347	TRUE	6.91E-17
Overall asthma	CUL4A	cg11232054	rs56129102	T	C	-0.225	0.026	0.278	4.61E-18	0.014	0.011	0.190	0.020	75.001	TRUE	2.47E-17
Overall asthma	CUL4A	cg14896830	rs35306827	A	G	0.200	0.028	0.240	4.98E-13	-0.019	0.011	0.090	0.014	52.186	TRUE	2.41E-12
Overall asthma	CUL4A	cg17689702	rs3764125	A	G	0.246	0.028	0.241	5.11E-19	-0.018	0.011	0.120	0.021	79.344	TRUE	4.03E-18
Overall asthma	CX3CR1	cg00262061	rs2853708	C	G	-0.391	0.023	0.418	3.42E-63	0.013	0.010	0.170	0.071	281.416	TRUE	3.55E-60
Overall asthma	CX3CR1	cg00262061	rs4996738	G	T	0.179	0.025	0.331	9.57E-13	0.011	0.010	0.300	0.014	50.903	TRUE	2.95E-12
Overall asthma	CX3CR1	cg00262061	rs56236279	G	A	-0.384	0.065	0.044	2.72E-09	0.000	0.021	0.990	0.009	35.355	TRUE	3.48E-09
Overall asthma	CX3CR1	cg00262061	rs73060520	C	T	0.266	0.041	0.089	8.78E-11	-0.017	0.017	0.310	0.011	42.054	TRUE	2.20E-10
Overall asthma	CX3CR1	cg00262061	rs73071876	G	A	0.169	0.030	0.192	1.82E-08	0.000	0.012	1.000	0.008	31.665	TRUE	2.24E-08
Overall asthma	CX3CR1	cg00262061	rs9833185	T	C	-0.256	0.036	0.113	7.43E-13	0.002	0.015	0.910	0.014	51.399	TRUE	1.17E-12
Overall asthma	CX3CR1	cg00262061	rs9840965	A	C	-0.206	0.031	0.168	3.59E-11	-0.009	0.013	0.470	0.012	43.804	TRUE	7.68E-11
Overall asthma	CX3CR1	cg00262061	rs9862876	G	C	0.170	0.027	0.239	2.57E-10	0.007	0.011	0.510	0.011	39.957	TRUE	5.07E-10
Overall asthma	CX3CR1	cg03341377	rs1317871	C	A	-0.147	0.027	0.266	2.79E-08	-0.001	0.011	0.930	0.008	30.833	TRUE	3.58E-08
Overall asthma	CX3CR1	cg03341377	rs17793056	C	T	0.302	0.023	0.484	2.42E-38	-0.004	0.010	0.690	0.043	167.557	TRUE	3.12E-37
Overall asthma	CX3CR1	cg03341377	rs561543	A	G	0.174	0.030	0.178	1.09E-08	-0.001	0.012	0.950	0.009	32.665	TRUE	1.40E-08
Overall asthma	CX3CR1	cg03341377	rs56236279	G	A	0.358	0.065	0.044	2.98E-08	0.000	0.021	0.990	0.008	30.706	TRUE	3.66E-08
Overall asthma	CX3CR1	cg03341377	rs7640507	T	G	0.184	0.033	0.162	1.53E-08	0.007	0.013	0.620	0.009	32.001	TRUE	2.49E-08
Overall asthma	CX3CR1	cg04569233	rs13062158	C	T	-0.518	0.025	0.285	2.40E-93	-0.026	0.011	0.016	0.102	419.804	TRUE	2.99E-87
Overall asthma	CX3CR1	cg04569233	rs17038748	G	T	0.186	0.028	0.227	1.45E-11	0.028	0.011	0.010	0.012	45.572	TRUE	1.03E-10
Overall asthma	CX3CR1	cg04569233	rs1768149	C	T	0.198	0.029	0.206	7.71E-12	-0.011	0.012	0.350	0.012	46.814	TRUE	1.97E-11
Overall asthma	CX3CR1	cg04569233	rs192343698	T	C	-0.691	0.106	0.022	7.67E-11	-0.038	0.031	0.220	0.011	42.318	TRUE	2.22E-10
Overall asthma	CX3CR1	cg04569233	rs67144715	A	G	-0.412	0.066	0.031	5.81E-10	-0.019	0.026	0.460	0.010	38.362	TRUE	1.17E-09
Overall asthma	CX3CR1	cg04569233	rs73060520	C	T	-0.290	0.041	0.089	2.16E-12	-0.017	0.017	0.310	0.013	49.310	TRUE	6.06E-12
Overall asthma	CX3CR1	cg04569233	rs938207	A	G	0.163	0.026	0.308	2.40E-10	0.000	0.010	0.980	0.011	40.092	TRUE	3.21E-10
Overall asthma	CX3CR1	cg04569233	rs9813187	A	G	0.300	0.029	0.191	2.16E-25	0.009	0.012	0.420	0.028	108.379	TRUE	1.36E-24
Overall asthma	CX3CR1	cg05046858	rs13088991	C	T	0.183	0.023	0.497	4.72E-15	-0.007	0.010	0.470	0.016	61.339	TRUE	1.31E-14
Overall asthma	CX3CR1	cg05046858	rs938203	A	G	-0.348	0.037	0.117	2.62E-21	-0.007	0.015	0.620	0.024	89.760	TRUE	9.15E-21
Overall asthma	CX3CR1	cg05046858	rs9813187	A	G	0.277	0.029	0.191	6.73E-22	0.009	0.012	0.420	0.024	92.450	TRUE	3.21E-21
Overall asthma	CX3CR1	cg18565762	rs111231532	T	C	0.387	0.049	0.054	1.94E-15	-0.014	0.018	0.410	0.017	63.095	TRUE	5.75E-15

Overall asthma	CX3CR1	cg18565762	rs11718582	A	G	-0.283	0.025	0.326	7.74E-30	-0.017	0.010	0.110	0.034	128.667	TRUE	1.90E-28
Overall asthma	CX3CR1	cg18565762	rs13062158	C	T	-1.054	0.020	0.285	<1E-200	-0.026	0.011	0.016	0.432	2809.310	TRUE	<1E-200
Overall asthma	CX3CR1	cg18565762	rs140374643	A	G	-0.717	0.086	0.021	5.35E-17	0.011	0.034	0.750	0.019	70.166	TRUE	1.23E-16
Overall asthma	CX3CR1	cg18565762	rs1768149	C	T	0.285	0.029	0.206	5.39E-23	-0.011	0.012	0.350	0.026	97.444	TRUE	3.17E-22
Overall asthma	CX3CR1	cg18565762	rs2649759	T	C	0.355	0.024	0.439	1.28E-50	0.003	0.010	0.750	0.057	223.776	TRUE	5.39E-49
Overall asthma	CX3CR1	cg18565762	rs2669843	G	A	0.584	0.035	0.135	2.91E-64	0.016	0.014	0.270	0.072	286.327	TRUE	2.53E-61
Overall asthma	CX3CR1	cg18565762	rs3732378	A	G	0.271	0.031	0.167	2.70E-18	0.011	0.013	0.380	0.020	76.057	TRUE	1.04E-17
Overall asthma	CX3CR1	cg18565762	rs3938106	A	G	-0.378	0.037	0.112	1.03E-24	0.024	0.015	0.100	0.028	105.271	TRUE	1.36E-23
Overall asthma	CX3CR1	cg18565762	rs4407352	A	G	0.169	0.025	0.354	9.89E-12	0.017	0.010	0.110	0.012	46.326	TRUE	4.17E-11
Overall asthma	CX3CR1	cg18565762	rs562545	A	G	-0.131	0.024	0.392	3.76E-08	-0.009	0.010	0.370	0.008	30.253	TRUE	7.40E-08
Overall asthma	CX3CR1	cg18565762	rs67144715	A	G	-0.707	0.066	0.031	1.42E-26	-0.019	0.026	0.460	0.030	113.767	TRUE	9.35E-26
Overall asthma	CX3CR1	cg18565762	rs73058523	T	C	0.276	0.036	0.113	1.17E-14	0.002	0.015	0.880	0.016	59.561	TRUE	2.07E-14
Overall asthma	CX3CR1	cg18565762	rs73060520	C	T	-0.251	0.041	0.089	1.31E-09	-0.017	0.017	0.310	0.010	36.785	TRUE	3.01E-09
Overall asthma	CX3CR1	cg18565762	rs73070244	A	G	-0.604	0.083	0.022	4.06E-13	-0.039	0.030	0.200	0.014	52.584	TRUE	1.48E-12
Overall asthma	CX3CR1	cg18565762	rs7627421	A	T	0.138	0.024	0.382	1.15E-08	-0.011	0.010	0.270	0.009	32.558	TRUE	2.64E-08
Overall asthma	CX3CR1	cg18565762	rs9813187	A	G	0.409	0.029	0.191	3.60E-46	0.009	0.012	0.420	0.052	203.389	TRUE	1.73E-44
Overall asthma	CX3CR1	cg19806398	rs13082658	G	A	0.213	0.026	0.316	5.82E-17	-0.026	0.010	0.012	0.019	70.001	TRUE	8.08E-16
Overall asthma	CX3CR1	cg19806398	rs1398712	C	T	-0.175	0.024	0.448	1.51E-13	-0.003	0.010	0.750	0.015	54.522	TRUE	2.87E-13
Overall asthma	CX3CR1	cg19806398	rs2853708	C	G	-0.332	0.024	0.418	2.41E-45	0.013	0.010	0.170	0.051	199.611	TRUE	2.25E-43
Overall asthma	CX3CR1	cg19806398	rs6599261	A	T	0.151	0.025	0.361	8.36E-10	0.004	0.010	0.670	0.010	37.654	TRUE	1.40E-09
Overall asthma	CX3CR1	cg19806398	rs73058523	T	C	-0.304	0.036	0.113	1.43E-17	0.002	0.015	0.880	0.019	72.766	TRUE	2.97E-17
Overall asthma	CX3CR1	cg21031692	rs17038640	C	T	-0.292	0.025	0.320	4.63E-31	-0.003	0.010	0.780	0.035	134.255	TRUE	2.76E-30
Overall asthma	CX3CR1	cg21031692	rs2853700	G	A	0.502	0.077	0.047	7.50E-11	0.008	0.023	0.730	0.011	42.361	TRUE	1.26E-10
Overall asthma	CX3CR1	cg21031692	rs3020452	T	C	0.354	0.024	0.346	1.15E-48	0.021	0.010	0.035	0.055	214.814	TRUE	4.65E-46
Overall asthma	CX3CR1	cg21031692	rs3938106	A	G	-0.237	0.037	0.112	1.38E-10	0.024	0.015	0.100	0.011	41.163	TRUE	4.94E-10
Overall asthma	CX3CR1	cg21031692	rs4311160	G	A	0.360	0.031	0.166	9.37E-32	-0.003	0.012	0.830	0.036	137.427	TRUE	5.45E-31
Overall asthma	CX3CR1	cg21031692	rs4676612	G	A	0.170	0.028	0.229	1.70E-09	0.006	0.011	0.630	0.010	36.266	TRUE	2.92E-09
Overall asthma	CX3CR1	cg21031692	rs4676625	A	G	0.551	0.023	0.362	3.85E-124	0.013	0.010	0.170	0.132	561.253	TRUE	5.21E-116
Overall asthma	CX3CR1	cg21031692	rs67144715	A	G	-0.413	0.067	0.031	5.49E-10	-0.019	0.026	0.460	0.010	38.473	TRUE	1.11E-09
Overall asthma	CX3CR1	cg21031692	rs73060520	C	T	-0.329	0.041	0.089	1.50E-15	-0.017	0.017	0.310	0.017	63.602	TRUE	5.30E-15
Overall asthma	CX3CR1	cg21031692	rs77533202	C	T	0.540	0.073	0.031	1.30E-13	0.007	0.026	0.800	0.015	54.820	TRUE	2.35E-13
Overall asthma	CX3CR1	cg21031692	rs9859684	A	G	0.248	0.024	0.398	2.89E-24	-0.004	0.010	0.700	0.027	103.237	TRUE	1.13E-23
Overall asthma	CX3CR1	cg24130739	rs9861437	G	A	0.235	0.035	0.143	9.97E-12	0.009	0.014	0.500	0.012	46.310	TRUE	2.15E-11
Overall asthma	CX3CR1	cg24310395	rs11709600	A	G	0.213	0.026	0.284	3.53E-16	0.006	0.011	0.540	0.018	66.447	TRUE	9.47E-16
Overall asthma	CX3CR1	cg25784617	rs1398712	C	T	-0.144	0.024	0.448	1.25E-09	-0.003	0.010	0.750	0.010	36.876	TRUE	1.93E-09
Overall asthma	CX3CR1	cg25784617	rs2853708	C	G	-0.275	0.024	0.418	1.89E-31	0.013	0.010	0.170	0.035	136.033	TRUE	3.76E-30
Overall asthma	CX3CR1	cg25784617	rs77402742	A	G	-0.290	0.052	0.054	1.86E-08	-0.011	0.020	0.590	0.008	31.619	TRUE	3.09E-08
Overall asthma	CX3CR1	cg25784617	rs9862876	G	C	0.158	0.027	0.239	5.46E-09	0.007	0.011	0.510	0.009	33.999	TRUE	9.97E-09
Overall asthma	CX3CR1	cg26162331	rs112993643	G	C	-0.330	0.059	0.044	2.05E-08	-0.014	0.026	0.590	0.008	31.429	TRUE	3.38E-08
Overall asthma	CX3CR1	cg26162331	rs114726685	T	A	-0.554	0.080	0.025	5.73E-12	-0.012	0.031	0.700	0.013	47.393	TRUE	1.04E-11
Overall asthma	CX3CR1	cg26162331	rs1317871	C	A	0.178	0.027	0.266	2.63E-11	-0.001	0.011	0.930	0.012	44.409	TRUE	3.82E-11
Overall asthma	CX3CR1	cg26162331	rs4256069	T	G	0.207	0.024	0.421	5.97E-18	-0.023	0.010	0.020	0.020	74.492	TRUE	7.73E-17

Overall asthma	CX3CR1	cg26162331	rs55695898	T	C	-1.409	0.139	0.012	4.51E-24	-0.076	0.045	0.091	0.027	102.356	TRUE	6.06E-23
Overall asthma	CX3CR1	cg26162331	rs6599028	C	G	-0.242	0.029	0.204	7.46E-17	-0.012	0.012	0.300	0.018	69.510	TRUE	2.92E-16
Overall asthma	CX3CR1	cg26162331	rs71329576	C	T	0.137	0.024	0.377	2.01E-08	0.014	0.010	0.160	0.008	31.463	TRUE	5.29E-08
Overall asthma	CX3CR1	cg26162331	rs73060520	C	T	0.232	0.041	0.089	2.08E-08	-0.017	0.017	0.310	0.008	31.398	TRUE	4.41E-08
Overall asthma	CX3CR1	cg26162331	rs73071855	A	G	0.315	0.057	0.043	4.17E-08	0.005	0.023	0.810	0.008	30.053	TRUE	5.75E-08
Overall asthma	CX3CR1	cg26162331	rs75486731	A	G	-0.454	0.069	0.027	3.42E-11	-0.025	0.028	0.380	0.012	43.896	TRUE	8.25E-11
Overall asthma	CX3CR1	cg26162331	rs7615733	G	A	-0.510	0.025	0.275	1.12E-89	0.001	0.011	0.900	0.098	402.960	TRUE	1.02E-85
Overall asthma	CX3CR1	cg26162331	rs9826865	G	A	-0.324	0.035	0.120	1.38E-20	0.002	0.014	0.920	0.023	86.482	TRUE	3.26E-20
Overall asthma	CYP1B1	cg00565882	rs10171638	A	G	0.503	0.033	0.146	2.56E-52	0.015	0.014	0.260	0.059	231.561	TRUE	3.86E-50
Overall asthma	CYP1B1	cg00565882	rs232616	C	G	-0.159	0.027	0.244	7.83E-09	-0.020	0.011	0.078	0.009	33.300	TRUE	2.68E-08
Overall asthma	CYP1B1	cg00565882	rs76137941	A	G	0.466	0.076	0.029	9.06E-10	-0.026	0.027	0.340	0.010	37.496	TRUE	2.07E-09
Overall asthma	CYP1B1	cg02162897	rs10178134	A	G	0.350	0.027	0.279	9.76E-40	-0.005	0.011	0.630	0.045	173.933	TRUE	1.56E-38
Overall asthma	CYP1B1	cg02162897	rs10185948	C	T	0.240	0.039	0.108	1.04E-09	-0.004	0.015	0.790	0.010	37.237	TRUE	1.56E-09
Overall asthma	CYP1B1	cg02162897	rs1374192	C	A	0.138	0.023	0.428	2.83E-09	0.021	0.010	0.027	0.009	35.278	TRUE	1.23E-08
Overall asthma	CYP1B1	cg02162897	rs142450355	A	G	-0.457	0.080	0.024	1.17E-08	-0.016	0.032	0.630	0.009	32.516	TRUE	1.92E-08
Overall asthma	CYP1B1	cg02162897	rs232616	C	G	-0.173	0.027	0.244	2.89E-10	-0.020	0.011	0.078	0.011	39.728	TRUE	1.14E-09
Overall asthma	CYP1B1	cg03890222	rs10201389	T	A	0.154	0.026	0.282	5.20E-09	-0.005	0.011	0.650	0.009	34.095	TRUE	8.36E-09
Overall asthma	CYP1B1	cg05062676	rs10012	C	G	-0.175	0.026	0.283	3.52E-11	-0.006	0.011	0.580	0.012	43.840	TRUE	6.72E-11
Overall asthma	CYP1B1	cg05062676	rs2447754	G	C	0.325	0.027	0.244	2.47E-33	-0.014	0.011	0.200	0.038	144.643	TRUE	5.44E-32
Overall asthma	CYP1B1	cg05062676	rs35505978	A	G	0.142	0.025	0.305	1.35E-08	0.022	0.010	0.031	0.009	32.247	TRUE	5.52E-08
Overall asthma	CYP1B1	cg06264984	rs2113389	T	C	0.451	0.034	0.139	2.83E-40	0.018	0.014	0.190	0.046	176.393	TRUE	1.34E-38
Overall asthma	CYP1B1	cg06264984	rs4670808	G	A	0.186	0.024	0.392	2.98E-15	0.023	0.010	0.021	0.017	62.245	TRUE	2.82E-14
Overall asthma	CYP1B1	cg07057636	rs4646429	T	C	-0.154	0.026	0.278	6.09E-09	-0.006	0.011	0.580	0.009	33.788	TRUE	1.04E-08
Overall asthma	CYP1B1	cg07380506	rs1056827	A	C	1.024	0.021	0.283	<1E-200	-0.005	0.011	0.650	0.386	2328.935	TRUE	<1E-200
Overall asthma	CYP1B1	cg07380506	rs113750413	G	A	0.656	0.060	0.040	3.45E-28	0.001	0.024	0.960	0.032	121.139	TRUE	1.28E-27
Overall asthma	CYP1B1	cg07380506	rs17021846	G	A	0.284	0.048	0.061	2.37E-09	-0.005	0.020	0.800	0.010	35.627	TRUE	3.49E-09
Overall asthma	CYP1B1	cg07380506	rs181290031	A	G	0.737	0.068	0.028	2.19E-27	-0.042	0.025	0.098	0.031	117.476	TRUE	4.06E-26
Overall asthma	CYP1B1	cg07380506	rs187236383	G	C	0.651	0.074	0.027	1.27E-18	0.021	0.028	0.440	0.021	77.544	TRUE	4.61E-18
Overall asthma	CYP1B1	cg07380506	rs2194381	C	T	-0.195	0.034	0.139	1.10E-08	0.024	0.014	0.091	0.009	32.643	TRUE	3.50E-08
Overall asthma	CYP1B1	cg07380506	rs232549	A	G	-0.293	0.030	0.190	1.36E-22	-0.013	0.012	0.300	0.025	95.621	TRUE	9.01E-22
Overall asthma	CYP1B1	cg07380506	rs232573	G	A	-0.148	0.023	0.499	2.78E-10	-0.005	0.010	0.590	0.011	39.803	TRUE	5.07E-10
Overall asthma	CYP1B1	cg07380506	rs4555324	C	G	-0.297	0.054	0.044	4.18E-08	0.065	0.022	0.003	0.008	30.047	TRUE	2.39E-07
Overall asthma	CYP1B1	cg07380506	rs4670810	A	G	0.375	0.023	0.449	3.15E-60	0.020	0.010	0.036	0.068	267.820	TRUE	6.45E-57
Overall asthma	CYP1B1	cg07380506	rs4670858	C	T	0.195	0.024	0.387	7.17E-16	-0.018	0.010	0.061	0.017	65.052	TRUE	4.93E-15
Overall asthma	CYP1B1	cg07380506	rs62133864	A	T	0.714	0.063	0.039	5.11E-30	-0.025	0.025	0.320	0.034	129.492	TRUE	6.02E-29
Overall asthma	CYP1B1	cg07380506	rs77615766	G	C	0.850	0.087	0.020	2.25E-22	-0.046	0.038	0.230	0.025	94.622	TRUE	1.65E-21
Overall asthma	CYP1B1	cg11656478	rs149502411	T	C	-0.325	0.057	0.045	1.21E-08	0.029	0.023	0.210	0.009	32.461	TRUE	2.99E-08
Overall asthma	CYP1B1	cg11656478	rs2707244	A	C	-0.131	0.023	0.474	2.10E-08	-0.017	0.010	0.071	0.008	31.381	TRUE	6.65E-08
Overall asthma	CYP1B1	cg11656478	rs62136337	G	A	0.270	0.023	0.465	2.24E-31	0.021	0.010	0.031	0.035	135.696	TRUE	1.10E-29
Overall asthma	CYP1B1	cg11751707	rs2567207	G	A	-0.186	0.026	0.280	1.67E-12	-0.005	0.011	0.650	0.013	49.808	TRUE	3.24E-12
Overall asthma	CYP1B1	cg12802310	rs1056827	A	C	-0.165	0.027	0.283	4.90E-10	-0.005	0.011	0.650	0.010	38.695	TRUE	8.36E-10
Overall asthma	CYP1B1	cg12802310	rs151256	G	A	0.368	0.027	0.246	8.40E-43	-0.015	0.011	0.180	0.048	187.966	TRUE	5.86E-41

Overall asthma	CYP1B1	cg12802310	rs336046	G	T	-0.143	0.023	0.446	8.26E-10	0.028	0.010	0.003	0.010	37.678	TRUE	5.77E-09
Overall asthma	CYP1B1	cg20408276	rs10171638	A	G	0.553	0.033	0.146	2.65E-63	0.015	0.014	0.260	0.071	281.923	TRUE	1.79E-60
Overall asthma	CYP1B1	cg20408276	rs150999507	T	C	-0.465	0.080	0.024	6.20E-09	-0.014	0.032	0.660	0.009	33.751	TRUE	9.94E-09
Overall asthma	CYP1B1	cg20408276	rs454674	A	T	-0.206	0.027	0.244	6.88E-14	-0.019	0.011	0.085	0.015	56.072	TRUE	3.61E-13
Overall asthma	CYP1B1	cg20408276	rs7606492	T	C	0.168	0.027	0.257	7.15E-10	0.002	0.011	0.860	0.010	37.958	TRUE	1.03E-09
Overall asthma	CYP1B1	cg20408276	rs76137941	A	G	0.598	0.076	0.029	3.30E-15	-0.026	0.027	0.340	0.016	62.045	TRUE	1.11E-14
Overall asthma	DAB2IP	cg01305539	rs10117555	G	A	-0.252	0.034	0.135	8.23E-14	-0.022	0.014	0.110	0.015	55.719	TRUE	3.85E-13
Overall asthma	DAB2IP	cg03225208	rs10985344	A	G	0.219	0.026	0.257	4.40E-17	-0.018	0.011	0.090	0.019	70.549	TRUE	2.90E-16
Overall asthma	DAB2IP	cg04661709	rs10985196	A	C	0.160	0.029	0.206	2.63E-08	-0.019	0.012	0.100	0.008	30.944	TRUE	7.54E-08
Overall asthma	DAB2IP	cg04661709	rs10985287	A	G	-0.257	0.025	0.288	3.15E-24	0.022	0.010	0.030	0.027	103.070	TRUE	6.98E-23
Overall asthma	DAB2IP	cg04661709	rs4836858	T	A	0.347	0.024	0.392	2.01E-47	-0.021	0.010	0.033	0.054	209.131	TRUE	6.83E-45
Overall asthma	DAB2IP	cg04661709	rs58802731	A	C	0.375	0.032	0.159	7.36E-31	-0.008	0.013	0.550	0.035	133.336	TRUE	6.17E-30
Overall asthma	DAB2IP	cg04661709	rs7468120	A	G	-0.145	0.026	0.278	3.55E-08	-0.003	0.011	0.770	0.008	30.367	TRUE	5.05E-08
Overall asthma	DAB2IP	cg08980461	rs10818576	G	T	-0.267	0.027	0.243	4.99E-23	-0.026	0.011	0.018	0.026	97.598	TRUE	1.13E-21
Overall asthma	DAB2IP	cg10394788	rs10985290	A	G	-0.299	0.042	0.079	1.67E-12	0.005	0.016	0.760	0.013	49.807	TRUE	2.97E-12
Overall asthma	DAB2IP	cg10394788	rs1548782	T	A	0.143	0.024	0.390	3.65E-09	0.003	0.010	0.760	0.009	34.781	TRUE	5.51E-09
Overall asthma	DAB2IP	cg10394788	rs2777319	T	C	-0.463	0.024	0.390	3.34E-85	-0.021	0.010	0.032	0.094	382.415	TRUE	5.32E-80
Overall asthma	DAB2IP	cg10394788	rs514823	T	C	0.199	0.028	0.221	9.42E-13	0.002	0.011	0.890	0.014	50.933	TRUE	1.52E-12
Overall asthma	DAB2IP	cg10394788	rs72758110	T	G	0.672	0.090	0.017	6.56E-14	0.017	0.041	0.680	0.015	56.165	TRUE	1.35E-13
Overall asthma	DAB2IP	cg10394788	rs76331566	T	C	0.494	0.051	0.052	3.69E-22	0.011	0.021	0.580	0.025	93.641	TRUE	1.41E-21
Overall asthma	DAB2IP	cg10394788	rs7873850	A	C	0.367	0.031	0.182	1.68E-32	-0.015	0.013	0.220	0.037	140.840	TRUE	2.97E-31
Overall asthma	DAB2IP	cg13571216	rs75389670	G	C	0.541	0.072	0.027	4.00E-14	0.048	0.029	0.100	0.015	57.138	TRUE	2.04E-13
Overall asthma	DAB2IP	cg13696706	rs10818576	G	T	0.148	0.027	0.243	4.35E-08	-0.026	0.011	0.018	0.008	29.970	TRUE	1.83E-07
Overall asthma	DAB2IP	cg13696706	rs10985284	T	G	0.270	0.025	0.289	1.09E-26	0.020	0.010	0.046	0.030	114.301	TRUE	2.59E-25
Overall asthma	DAB2IP	cg13696706	rs58802731	A	C	-0.253	0.033	0.159	7.66E-15	-0.008	0.013	0.550	0.016	60.387	TRUE	1.94E-14
Overall asthma	DAB2IP	cg13758780	rs112281448	A	G	-0.295	0.051	0.055	1.06E-08	0.006	0.021	0.770	0.009	32.717	TRUE	1.55E-08
Overall asthma	DAB2IP	cg13758780	rs12380661	T	C	0.386	0.025	0.362	1.36E-54	0.005	0.010	0.630	0.061	241.978	TRUE	1.18E-52
Overall asthma	DAB2IP	cg13758780	rs1359085	G	A	0.173	0.024	0.430	2.08E-13	-0.005	0.010	0.610	0.014	53.899	TRUE	4.46E-13
Overall asthma	DAB2IP	cg13758780	rs58802731	A	C	-0.468	0.032	0.159	9.59E-48	-0.008	0.013	0.550	0.054	210.600	TRUE	4.40E-46
Overall asthma	DAB2IP	cg13758780	rs6478506	A	G	-0.176	0.029	0.200	1.51E-09	-0.021	0.012	0.075	0.010	36.503	TRUE	5.33E-09
Overall asthma	DAB2IP	cg13758780	rs7039494	T	A	-0.204	0.030	0.181	2.19E-11	0.017	0.013	0.190	0.012	44.773	TRUE	6.96E-11
Overall asthma	DAB2IP	cg13833607	rs10985342	G	A	-0.220	0.027	0.237	2.88E-16	-0.024	0.011	0.031	0.018	66.848	TRUE	2.68E-15
Overall asthma	DAB2IP	cg14021373	rs10985320	C	T	-0.216	0.032	0.157	2.09E-11	-0.019	0.013	0.130	0.012	44.859	TRUE	7.36E-11
Overall asthma	DAB2IP	cg14021373	rs57185433	T	C	-1.468	0.085	0.020	4.15E-66	0.004	0.037	0.910	0.074	294.789	TRUE	8.99E-64
Overall asthma	DAB2IP	cg14136214	rs7854651	G	A	-0.214	0.023	0.477	1.86E-20	0.015	0.010	0.110	0.023	85.891	TRUE	1.57E-19
Overall asthma	DAB2IP	cg14190522	rs10120537	T	G	-0.184	0.024	0.374	2.95E-14	0.005	0.010	0.600	0.015	57.738	TRUE	6.68E-14
Overall asthma	DAB2IP	cg14190522	rs10739588	A	G	-0.147	0.025	0.302	6.06E-09	-0.001	0.010	0.890	0.009	33.798	TRUE	8.21E-09
Overall asthma	DAB2IP	cg14190522	rs10985315	C	T	0.594	0.030	0.182	1.97E-85	-0.016	0.013	0.220	0.094	383.468	TRUE	6.48E-81
Overall asthma	DAB2IP	cg14190522	rs116945153	T	C	-0.415	0.062	0.032	2.94E-11	-0.031	0.025	0.210	0.012	44.192	TRUE	8.88E-11
Overall asthma	DAB2IP	cg14190522	rs3915531	A	T	0.284	0.033	0.147	3.19E-18	0.025	0.014	0.068	0.020	75.726	TRUE	2.64E-17
Overall asthma	DAB2IP	cg14190522	rs603315	T	C	-0.391	0.031	0.160	1.37E-36	-0.015	0.013	0.220	0.041	159.530	TRUE	3.69E-35
Overall asthma	DAB2IP	cg14190522	rs72760242	A	G	0.265	0.039	0.108	1.57E-11	-0.016	0.016	0.300	0.012	45.424	TRUE	4.14E-11

Overall asthma	DAB2IP	cg14254686	rs150611873	T	C	-0.130	0.024	0.488	3.57E-08	0.005	0.010	0.630	0.008	30.351	TRUE	5.65E-08
Overall asthma	DAB2IP	cg14594111	rs10985290	A	G	-0.242	0.042	0.079	1.09E-08	0.005	0.016	0.760	0.009	32.657	TRUE	1.60E-08
Overall asthma	DAB2IP	cg14594111	rs1106006	T	G	0.166	0.028	0.230	3.32E-09	0.011	0.011	0.360	0.009	34.965	TRUE	7.44E-09
Overall asthma	DAB2IP	cg14594111	rs1984037	G	C	0.213	0.026	0.284	6.82E-16	0.020	0.010	0.058	0.017	65.148	TRUE	5.32E-15
Overall asthma	DAB2IP	cg14594111	rs36084561	T	C	-0.264	0.029	0.203	4.62E-20	-0.011	0.012	0.350	0.022	84.090	TRUE	2.15E-19
Overall asthma	DAB2IP	cg14594111	rs57455029	A	G	-0.341	0.053	0.050	1.31E-10	0.021	0.022	0.360	0.011	41.278	TRUE	3.14E-10
Overall asthma	DAB2IP	cg14594111	rs60432659	T	C	0.187	0.031	0.181	1.84E-09	-0.013	0.013	0.290	0.010	36.120	TRUE	4.19E-09
Overall asthma	DAB2IP	cg14594111	rs7025486	A	G	-0.666	0.025	0.263	7.80E-152	-0.018	0.011	0.100	0.157	688.516	TRUE	3.04E-140
Overall asthma	DAB2IP	cg14594111	rs72764062	T	A	0.447	0.061	0.035	2.40E-13	0.015	0.024	0.530	0.014	53.615	TRUE	5.57E-13
Overall asthma	DAB2IP	cg14594111	rs73540817	A	T	-0.359	0.061	0.036	3.34E-09	0.042	0.025	0.096	0.009	34.954	TRUE	1.10E-08
Overall asthma	DAB2IP	cg14594111	rs7468120	A	G	0.163	0.026	0.278	5.81E-10	-0.003	0.011	0.770	0.010	38.363	TRUE	9.00E-10
Overall asthma	DAB2IP	cg14594111	rs78424955	A	G	-0.347	0.033	0.138	1.15E-25	-0.018	0.013	0.170	0.029	109.617	TRUE	1.35E-24
Overall asthma	DAB2IP	cg14594187	rs10760198	G	A	-0.142	0.023	0.432	1.14E-09	0.021	0.010	0.026	0.010	37.049	TRUE	5.18E-09
Overall asthma	DAB2IP	cg14611152	rs1984037	G	C	0.149	0.026	0.284	1.85E-08	0.020	0.010	0.058	0.008	31.627	TRUE	6.73E-08
Overall asthma	DAB2IP	cg14611152	rs36084561	T	C	-0.222	0.029	0.203	1.31E-14	-0.011	0.012	0.350	0.016	59.339	TRUE	4.06E-14
Overall asthma	DAB2IP	cg14611152	rs7025486	A	G	-0.519	0.026	0.263	1.90E-89	-0.018	0.011	0.100	0.098	401.908	TRUE	2.78E-84
Overall asthma	DAB2IP	cg14611152	rs7468120	A	G	0.150	0.026	0.278	1.24E-08	-0.003	0.011	0.770	0.009	32.413	TRUE	1.80E-08
Overall asthma	DAB2IP	cg14611152	rs78424955	A	G	-0.266	0.033	0.138	1.07E-15	-0.018	0.013	0.170	0.017	64.255	TRUE	5.16E-15
Overall asthma	DAB2IP	cg21182461	rs7853819	G	A	-0.232	0.026	0.267	2.23E-18	0.012	0.011	0.250	0.020	76.433	TRUE	1.06E-17
Overall asthma	DAB2IP	cg21234082	rs10120537	T	G	0.435	0.024	0.374	4.99E-75	0.005	0.010	0.600	0.083	335.718	TRUE	7.94E-72
Overall asthma	DAB2IP	cg21234082	rs10818491	T	C	0.137	0.023	0.435	4.88E-09	0.008	0.010	0.390	0.009	34.217	TRUE	1.00E-08
Overall asthma	DAB2IP	cg21234082	rs10985332	T	C	-0.263	0.030	0.200	1.26E-18	0.002	0.012	0.860	0.021	77.555	TRUE	2.83E-18
Overall asthma	DAB2IP	cg21234082	rs10985449	A	C	0.176	0.024	0.428	2.35E-13	0.019	0.010	0.054	0.014	53.655	TRUE	1.36E-12
Overall asthma	DAB2IP	cg21234082	rs118115974	A	G	-0.624	0.094	0.028	2.53E-11	0.013	0.025	0.610	0.012	44.484	TRUE	4.85E-11
Overall asthma	DAB2IP	cg21234082	rs12156434	C	T	0.265	0.031	0.173	2.78E-17	0.012	0.013	0.360	0.019	71.454	TRUE	1.06E-16
Overall asthma	DAB2IP	cg21234082	rs12237140	T	C	-0.561	0.099	0.015	1.22E-08	0.032	0.041	0.440	0.009	32.438	TRUE	2.33E-08
Overall asthma	DAB2IP	cg21234082	rs12350307	A	G	-0.351	0.045	0.073	4.16E-15	0.039	0.018	0.034	0.016	61.590	TRUE	3.39E-14
Overall asthma	DAB2IP	cg21234082	rs149391267	T	C	-0.889	0.122	0.022	2.69E-13	0.015	0.029	0.600	0.014	53.391	TRUE	5.77E-13
Overall asthma	DAB2IP	cg21234082	rs16911057	A	G	-0.400	0.036	0.121	9.00E-29	-0.033	0.015	0.027	0.032	123.801	TRUE	3.32E-27
Overall asthma	DAB2IP	cg21234082	rs17292952	A	G	-0.596	0.063	0.046	6.37E-21	0.007	0.023	0.780	0.023	88.005	TRUE	1.81E-20
Overall asthma	DAB2IP	cg21234082	rs2300932	A	C	0.294	0.024	0.394	2.13E-34	-0.003	0.010	0.770	0.039	149.514	TRUE	1.70E-33
Overall asthma	DAB2IP	cg21234082	rs2789883	G	A	-1.251	0.017	0.257	<1E-200	0.010	0.011	0.350	0.582	5148.880	TRUE	<1E-200
Overall asthma	DAB2IP	cg21234082	rs34846876	C	T	-0.171	0.029	0.222	2.89E-09	0.023	0.011	0.043	0.009	35.237	TRUE	1.20E-08
Overall asthma	DAB2IP	cg21234082	rs514823	T	C	0.409	0.028	0.221	9.12E-50	0.002	0.011	0.890	0.056	219.864	TRUE	2.74E-48
Overall asthma	DAB2IP	cg21234082	rs57455029	A	G	-0.292	0.053	0.050	4.11E-08	0.021	0.022	0.360	0.008	30.083	TRUE	8.30E-08
Overall asthma	DAB2IP	cg21234082	rs72758134	G	T	0.226	0.032	0.160	1.14E-12	0.013	0.013	0.300	0.013	50.555	TRUE	3.28E-12
Overall asthma	DAB2IP	cg21234082	rs75318126	T	C	0.317	0.030	0.186	9.47E-26	0.008	0.013	0.500	0.029	110.008	TRUE	5.35E-25
Overall asthma	DAB2IP	cg21234082	rs75791887	C	T	-0.507	0.055	0.044	2.85E-20	-0.043	0.023	0.065	0.022	85.046	TRUE	3.09E-19
Overall asthma	DAB2IP	cg21234082	rs78424955	A	G	0.219	0.033	0.138	5.11E-11	-0.018	0.013	0.170	0.012	43.112	TRUE	1.66E-10
Overall asthma	DAB2IP	cg21234082	rs7861752	T	C	0.167	0.024	0.435	2.13E-12	-0.006	0.010	0.510	0.013	49.334	TRUE	4.77E-12
Overall asthma	DAB2IP	cg21234082	rs9408927	G	T	0.300	0.051	0.055	4.54E-09	-0.048	0.020	0.019	0.009	34.359	TRUE	2.20E-08
Overall asthma	DAP	cg05473987	rs2964786	T	C	-0.195	0.027	0.257	4.79E-13	0.003	0.011	0.760	0.014	52.262	TRUE	8.75E-13

Overall asthma	DAP	cg14129473	rs267942	C	T	-0.381	0.040	0.098	9.99E-22	0.038	0.016	0.018	0.024	91.669	TRUE	1.98E-20
Overall asthma	DAP	cg14129473	rs2918398	A	G	-0.138	0.025	0.347	2.94E-08	0.014	0.010	0.170	0.008	30.729	TRUE	7.62E-08
Overall asthma	DAP	cg14662675	rs115180707	A	G	0.650	0.083	0.020	3.72E-15	-0.045	0.035	0.200	0.016	61.809	TRUE	1.59E-14
Overall asthma	DAP	cg14662675	rs12653693	A	G	0.641	0.095	0.017	1.55E-11	-0.015	0.037	0.690	0.012	45.450	TRUE	2.78E-11
Overall asthma	DAP	cg14662675	rs1470023	T	C	0.340	0.034	0.136	9.38E-24	-0.009	0.014	0.540	0.027	100.907	TRUE	4.49E-23
Overall asthma	DAP	cg14662675	rs28664648	C	G	0.730	0.024	0.292	3.18E-196	0.012	0.011	0.260	0.194	892.569	TRUE	2.88E-179
Overall asthma	DAP	cg14662675	rs2918392	C	T	0.258	0.025	0.354	1.18E-25	0.018	0.010	0.081	0.029	109.572	TRUE	2.07E-24
Overall asthma	DAP	cg14662675	rs55696181	A	G	0.613	0.051	0.059	5.12E-33	0.013	0.021	0.540	0.037	143.196	TRUE	5.22E-32
Overall asthma	DAP	cg14662675	rs72744342	A	G	-0.265	0.046	0.073	1.09E-08	-0.012	0.018	0.500	0.009	32.648	TRUE	1.97E-08
Overall asthma	DAP	cg14662675	rs75503268	A	G	0.251	0.041	0.093	8.01E-10	0.012	0.017	0.480	0.010	37.738	TRUE	1.58E-09
Overall asthma	DAP	cg14662675	rs852604	G	T	-0.199	0.024	0.356	2.88E-16	-0.009	0.010	0.380	0.018	66.849	TRUE	9.88E-16
Overall asthma	DAP	cg17665505	rs5745272	C	A	0.343	0.036	0.128	1.02E-21	0.029	0.015	0.051	0.024	91.620	TRUE	1.36E-20
Overall asthma	DAP	cg18867653	rs11740244	C	G	0.253	0.027	0.241	7.14E-21	0.007	0.011	0.520	0.023	87.782	TRUE	2.81E-20
Overall asthma	DAP	cg18867653	rs2399965	C	A	0.483	0.029	0.199	2.22E-61	-0.001	0.012	0.930	0.069	273.103	TRUE	2.49E-59
Overall asthma	DAP	cg18867653	rs3776415	C	A	0.178	0.030	0.185	3.73E-09	0.006	0.012	0.640	0.009	34.742	TRUE	6.17E-09
Overall asthma	DAP	cg18867653	rs76068039	C	T	0.630	0.077	0.026	1.85E-16	-0.029	0.030	0.330	0.018	67.724	TRUE	6.82E-16
Overall asthma	DAP	cg25143743	rs17831254	T	C	-1.286	0.049	0.058	1.97E-153	0.015	0.021	0.490	0.158	695.860	TRUE	1.29E-142
Overall asthma	DAP	cg25143743	rs267985	G	A	-0.178	0.024	0.357	2.94E-13	0.018	0.010	0.071	0.014	53.217	TRUE	1.53E-12
Overall asthma	DAP	cg25143743	rs4701883	G	T	-0.171	0.025	0.295	1.50E-11	0.012	0.011	0.240	0.012	45.512	TRUE	4.21E-11
Overall asthma	DAP	cg25143743	rs4702760	C	A	-0.195	0.026	0.316	2.22E-14	-0.011	0.010	0.240	0.016	58.297	TRUE	7.95E-14
Overall asthma	DAP	cg25143743	rs73741224	C	T	-0.862	0.094	0.017	4.38E-20	-0.013	0.037	0.740	0.022	84.196	TRUE	1.25E-19
Overall asthma	DAPK2	cg01859228	rs11071770	T	C	0.329	0.027	0.269	2.41E-35	0.010	0.011	0.330	0.040	153.840	TRUE	4.27E-34
Overall asthma	DAPK2	cg01859228	rs11854930	C	T	0.255	0.037	0.104	5.31E-12	0.015	0.015	0.300	0.013	47.542	TRUE	1.45E-11
Overall asthma	DAPK2	cg01859228	rs11857703	G	A	0.149	0.023	0.492	2.05E-10	-0.008	0.010	0.430	0.011	40.398	TRUE	4.41E-10
Overall asthma	DAPK2	cg01859228	rs17788807	T	C	0.330	0.029	0.196	4.42E-29	-0.010	0.012	0.400	0.033	125.213	TRUE	4.01E-28
Overall asthma	DAPK2	cg01859228	rs28729238	G	T	-0.826	0.021	0.349	<1E-200	0.008	0.010	0.440	0.286	1481.855	TRUE	1.09E-284
Overall asthma	DAPK2	cg01859228	rs332286	C	G	0.340	0.034	0.143	8.45E-24	-0.023	0.014	0.090	0.027	101.113	TRUE	1.06E-22
Overall asthma	DAPK2	cg01859228	rs4777602	G	A	0.198	0.034	0.140	6.79E-09	0.011	0.014	0.440	0.009	33.576	TRUE	1.32E-08
Overall asthma	DAPK2	cg01859228	rs4984288	C	T	-0.197	0.024	0.385	3.13E-16	-0.003	0.010	0.730	0.018	66.684	TRUE	7.01E-16
Overall asthma	DAPK2	cg01859228	rs62023137	T	A	0.404	0.036	0.130	2.16E-29	0.007	0.014	0.630	0.033	126.628	TRUE	1.40E-28
Overall asthma	DAPK2	cg01859228	rs62023393	T	C	-0.307	0.053	0.144	5.58E-09	0.011	0.014	0.420	0.009	33.957	TRUE	1.09E-08
Overall asthma	DAPK2	cg01859228	rs6494466	A	G	0.186	0.027	0.263	7.74E-12	-0.006	0.011	0.610	0.012	46.804	TRUE	1.51E-11
Overall asthma	DAPK2	cg01859228	rs7183733	T	C	0.185	0.025	0.330	2.24E-13	-0.004	0.010	0.670	0.014	53.753	TRUE	4.54E-13
Overall asthma	DAPK2	cg01859228	rs72750970	G	A	-0.536	0.060	0.048	6.91E-19	-0.007	0.020	0.730	0.021	78.747	TRUE	1.81E-18
Overall asthma	DAPK2	cg01859228	rs72752943	A	G	-0.425	0.032	0.146	5.27E-40	0.005	0.013	0.670	0.045	175.161	TRUE	8.14E-39
Overall asthma	DAPK2	cg01859228	rs72755006	G	A	0.341	0.044	0.077	1.37E-14	0.030	0.018	0.098	0.016	59.247	TRUE	7.35E-14
Overall asthma	DAPK2	cg01859228	rs9921010	C	A	-0.234	0.039	0.089	2.31E-09	0.011	0.016	0.500	0.010	35.678	TRUE	4.36E-09
Overall asthma	DAPK2	cg02919090	rs1018215	C	G	0.167	0.024	0.368	4.40E-12	0.006	0.010	0.560	0.013	47.910	TRUE	9.21E-12
Overall asthma	DAPK2	cg02919090	rs10851733	T	C	0.804	0.021	0.398	<1E-200	-0.002	0.010	0.870	0.289	1502.135	TRUE	4.56E-289
Overall asthma	DAPK2	cg02919090	rs112479057	A	G	-0.354	0.063	0.036	2.31E-08	-0.035	0.025	0.170	0.008	31.198	TRUE	6.03E-08
Overall asthma	DAPK2	cg02919090	rs11630556	C	T	-0.371	0.036	0.136	2.26E-25	-0.018	0.014	0.200	0.028	108.288	TRUE	2.32E-24
Overall asthma	DAPK2	cg02919090	rs12441911	G	A	0.162	0.027	0.247	1.90E-09	-0.008	0.011	0.450	0.010	36.051	TRUE	3.76E-09

Overall asthma	DAPK2	cg02919090	rs12593770	A	G	-0.238	0.041	0.089	6.83E-09	0.006	0.017	0.710	0.009	33.566	TRUE	1.05E-08
Overall asthma	DAPK2	cg02919090	rs16947645	T	C	-0.349	0.026	0.302	1.55E-42	-0.021	0.011	0.048	0.048	186.743	TRUE	2.11E-40
Overall asthma	DAPK2	cg02919090	rs1802376	A	G	-0.481	0.087	0.020	3.35E-08	-0.022	0.035	0.530	0.008	30.478	TRUE	5.73E-08
Overall asthma	DAPK2	cg02919090	rs1903325	T	A	0.366	0.051	0.053	1.25E-12	-0.049	0.021	0.023	0.013	50.379	TRUE	8.75E-12
Overall asthma	DAPK2	cg02919090	rs192816899	C	T	-0.745	0.114	0.023	7.21E-11	0.062	0.031	0.046	0.011	42.437	TRUE	3.38E-10
Overall asthma	DAPK2	cg02919090	rs28808148	C	T	-0.458	0.044	0.077	1.00E-25	0.043	0.017	0.012	0.029	109.897	TRUE	3.62E-24
Overall asthma	DAPK2	cg02919090	rs332270	G	C	0.230	0.038	0.221	1.86E-09	0.002	0.012	0.870	0.010	36.098	TRUE	2.61E-09
Overall asthma	DAPK2	cg02919090	rs4984291	A	G	0.215	0.023	0.452	4.72E-20	-0.005	0.010	0.600	0.022	84.049	TRUE	1.56E-19
Overall asthma	DAPK2	cg02919090	rs56113145	A	G	-0.372	0.055	0.050	1.91E-11	-0.004	0.021	0.830	0.012	45.040	TRUE	3.01E-11
Overall asthma	DAPK2	cg02919090	rs7178762	C	T	-0.322	0.024	0.460	2.42E-42	0.009	0.010	0.370	0.048	185.862	TRUE	8.78E-41
Overall asthma	DAPK2	cg02919090	rs7183733	T	C	-0.172	0.025	0.330	8.36E-12	-0.004	0.010	0.670	0.012	46.655	TRUE	1.55E-11
Overall asthma	DAPK2	cg02919090	rs72750970	G	A	0.605	0.060	0.048	9.52E-24	-0.007	0.020	0.730	0.027	100.876	TRUE	3.44E-23
Overall asthma	DAPK2	cg02919090	rs72752943	A	G	0.444	0.032	0.146	1.16E-43	0.005	0.013	0.670	0.049	191.908	TRUE	2.59E-42
Overall asthma	DAPK2	cg02919090	rs72755006	G	A	-0.332	0.044	0.077	6.76E-14	0.030	0.018	0.098	0.015	56.108	TRUE	3.40E-13
Overall asthma	DAPK2	cg02919090	rs79488359	G	T	-0.286	0.041	0.095	2.00E-12	0.054	0.016	9.90E-04	0.013	49.460	TRUE	2.70E-11
Overall asthma	DAPK2	cg02919090	rs80265779	G	A	0.213	0.033	0.148	8.80E-11	0.001	0.013	0.970	0.011	42.048	TRUE	1.21E-10
Overall asthma	DAPK2	cg02919090	rs8033972	A	G	-0.197	0.027	0.262	4.85E-13	-0.005	0.011	0.640	0.014	52.238	TRUE	9.79E-13
Overall asthma	DAPK2	cg02919090	rs9652430	T	A	-0.294	0.034	0.148	2.22E-18	0.008	0.014	0.590	0.020	76.441	TRUE	6.67E-18
Overall asthma	DAPK2	cg02919090	rs9921010	C	A	0.252	0.039	0.089	1.21E-10	0.011	0.016	0.500	0.011	41.420	TRUE	2.48E-10
Overall asthma	DAPK2	cg06904649	rs4776710	G	A	-0.189	0.023	0.466	7.34E-16	0.018	0.010	0.062	0.017	65.006	TRUE	5.26E-15
Overall asthma	DAPK2	cg07619672	rs332276	C	T	0.280	0.034	0.145	6.46E-17	-0.023	0.014	0.093	0.019	69.795	TRUE	4.21E-16
Overall asthma	DAPK2	cg11775215	rs16947140	T	C	-0.186	0.033	0.136	1.07E-08	-0.001	0.014	0.950	0.009	32.689	TRUE	1.37E-08
Overall asthma	DAPK2	cg11775215	rs78181809	A	G	-0.899	0.058	0.035	2.28E-53	-0.055	0.026	0.035	0.060	236.369	TRUE	1.77E-50
Overall asthma	DAPK2	cg13645296	rs9972469	A	C	0.231	0.024	0.448	1.31E-22	0.010	0.010	0.320	0.025	95.681	TRUE	8.02E-22
Overall asthma	DAPK2	cg23165541	rs12912128	C	T	-0.174	0.031	0.172	3.10E-08	-0.008	0.013	0.520	0.008	30.627	TRUE	5.32E-08
Overall asthma	DAPK2	cg24729988	rs12902972	T	C	-0.172	0.023	0.464	1.41E-13	-0.003	0.010	0.720	0.015	54.665	TRUE	2.73E-13
Overall asthma	DNM1L	cg06077899	rs1026372	T	C	0.167	0.028	0.246	1.67E-09	-0.008	0.011	0.510	0.010	36.304	TRUE	3.18E-09
Overall asthma	DNM1L	cg06077899	rs10771961	A	G	0.177	0.025	0.317	3.73E-12	0.014	0.010	0.170	0.013	48.236	TRUE	1.34E-11
Overall asthma	DNM1L	cg06077899	rs10844244	T	C	0.192	0.030	0.201	7.78E-11	0.011	0.012	0.370	0.011	42.290	TRUE	1.86E-10
Overall asthma	DNM1L	cg06077899	rs10844279	G	T	1.247	0.027	0.150	<1E-200	0.006	0.014	0.640	0.368	2151.531	TRUE	<1E-200
Overall asthma	DNM1L	cg06077899	rs11052101	C	T	0.474	0.035	0.122	1.33E-41	0.010	0.014	0.500	0.047	182.480	TRUE	3.46E-40
Overall asthma	DNM1L	cg06077899	rs112788901	T	C	0.315	0.046	0.083	9.34E-12	0.012	0.017	0.500	0.012	46.437	TRUE	2.07E-11
Overall asthma	DNM1L	cg06077899	rs117159359	T	C	0.847	0.102	0.012	8.59E-17	-0.059	0.045	0.190	0.018	69.232	TRUE	4.27E-16
Overall asthma	DNM1L	cg06077899	rs12366836	C	T	-0.179	0.030	0.186	1.35E-09	0.001	0.012	0.930	0.010	36.721	TRUE	1.82E-09
Overall asthma	DNM1L	cg06077899	rs12579050	T	A	0.395	0.044	0.080	1.82E-19	0.043	0.018	0.017	0.022	81.376	TRUE	2.84E-18
Overall asthma	DNM1L	cg06077899	rs138587382	C	A	0.349	0.059	0.041	2.80E-09	0.028	0.024	0.240	0.009	35.301	TRUE	6.92E-09
Overall asthma	DNM1L	cg06077899	rs141560825	T	C	0.790	0.080	0.025	5.61E-23	-0.099	0.035	0.005	0.026	97.366	TRUE	1.94E-21
Overall asthma	DNM1L	cg06077899	rs145999802	T	C	1.046	0.090	0.018	3.93E-31	0.014	0.034	0.690	0.035	134.580	TRUE	2.70E-30
Overall asthma	DNM1L	cg06077899	rs147545074	G	A	0.528	0.062	0.043	1.09E-17	0.001	0.024	0.980	0.019	73.303	TRUE	2.04E-17
Overall asthma	DNM1L	cg06077899	rs2593994	A	G	0.142	0.024	0.484	1.72E-09	0.007	0.010	0.500	0.010	36.249	TRUE	3.25E-09
Overall asthma	DNM1L	cg06077899	rs34072072	T	C	0.321	0.044	0.077	4.76E-13	-0.018	0.018	0.310	0.014	52.274	TRUE	1.40E-12
Overall asthma	DNM1L	cg06077899	rs4931017	A	G	-0.197	0.028	0.240	1.26E-12	-0.023	0.011	0.043	0.013	50.359	TRUE	7.52E-12

Overall asthma	DNM1L	cg06077899	rs4931656	T	A	0.741	0.097	0.013	1.87E-14	-0.076	0.045	0.094	0.016	58.631	TRUE	1.01E-13
Overall asthma	DNM1L	cg06077899	rs61926234	G	C	0.335	0.033	0.141	8.26E-24	-0.010	0.014	0.480	0.027	101.158	TRUE	4.28E-23
Overall asthma	DNM1L	cg06077899	rs61927753	G	A	0.145	0.023	0.455	6.20E-10	-0.003	0.010	0.800	0.010	38.238	TRUE	9.41E-10
Overall asthma	DNM1L	cg06077899	rs7134245	A	C	0.424	0.063	0.068	1.24E-11	-0.027	0.018	0.140	0.012	45.876	TRUE	4.57E-11
Overall asthma	DNM1L	cg06077899	rs7135858	A	T	-0.191	0.031	0.175	5.21E-10	-0.013	0.013	0.320	0.010	38.577	TRUE	1.24E-09
Overall asthma	DNM1L	cg06077899	rs7967334	A	C	0.339	0.031	0.175	2.21E-27	0.018	0.013	0.170	0.031	117.457	TRUE	3.04E-26
Overall asthma	DNM1L	cg07201835	rs9738377	C	T	0.330	0.033	0.158	2.99E-24	0.013	0.013	0.340	0.027	103.173	TRUE	2.11E-23
Overall asthma	DNM1L	cg07687610	rs34034589	G	A	-0.219	0.032	0.158	1.33E-11	0.013	0.013	0.330	0.012	45.750	TRUE	3.53E-11
Overall asthma	DNM1L	cg21446102	rs34034589	G	A	0.180	0.032	0.158	2.81E-08	0.013	0.013	0.330	0.008	30.815	TRUE	5.90E-08
Overall asthma	DNM1L	cg24786579	rs147515673	A	G	0.729	0.096	0.012	2.96E-14	0.076	0.037	0.040	0.015	57.728	TRUE	2.03E-13
Overall asthma	DNM1L	cg27387222	rs9971640	G	T	0.231	0.032	0.157	8.06E-13	0.013	0.013	0.330	0.014	51.239	TRUE	2.34E-12
Overall asthma	DRAM1	cg04946520	rs10778153	A	G	-0.189	0.024	0.378	1.10E-15	0.002	0.010	0.840	0.017	64.217	TRUE	2.13E-15
Overall asthma	DRAM1	cg04946520	rs11111082	G	C	-0.593	0.031	0.151	7.54E-80	0.023	0.013	0.076	0.088	357.841	TRUE	2.38E-75
Overall asthma	DRAM1	cg04946520	rs113239128	C	T	-0.458	0.063	0.036	4.80E-13	0.019	0.024	0.420	0.014	52.256	TRUE	1.23E-12
Overall asthma	DRAM1	cg04946520	rs113774454	T	C	-0.521	0.083	0.019	3.87E-10	0.009	0.032	0.780	0.010	39.154	TRUE	6.02E-10
Overall asthma	DRAM1	cg04946520	rs4764850	A	G	0.140	0.023	0.401	1.79E-09	-0.004	0.010	0.680	0.010	36.175	TRUE	2.89E-09
Overall asthma	DRAM1	cg04946520	rs7978834	C	G	-0.277	0.029	0.198	7.55E-22	0.003	0.012	0.810	0.024	92.223	TRUE	2.19E-21
Overall asthma	DRAM1	cg07905054	rs78863372	T	C	1.093	0.155	0.013	1.81E-12	0.120	0.046	0.013	0.013	49.650	TRUE	1.49E-11
Overall asthma	DRAM1	cg07905054	rs7955890	T	C	0.354	0.037	0.112	3.60E-22	0.031	0.015	0.041	0.025	93.689	TRUE	5.66E-21
Overall asthma	DRAM1	cg10143723	rs2108694	A	G	-0.132	0.024	0.480	2.01E-08	0.008	0.010	0.410	0.008	31.469	TRUE	3.89E-08
Overall asthma	DRAM1	cg10143723	rs79656532	T	C	-0.407	0.040	0.095	6.78E-25	-0.010	0.017	0.560	0.028	106.109	TRUE	3.33E-24
Overall asthma	DRAM1	cg18394118	rs79650959	A	G	-0.334	0.039	0.101	8.93E-18	-0.006	0.016	0.710	0.020	73.696	TRUE	2.26E-17
Overall asthma	DRAM1	cg27425327	rs10860804	C	T	1.223	0.038	0.084	5.12E-223	-0.009	0.017	0.580	0.215	1015.759	TRUE	1.32E-202
Overall asthma	DRAM1	cg27425327	rs11110857	A	G	0.191	0.030	0.192	3.50E-10	-0.025	0.013	0.047	0.011	39.353	TRUE	1.46E-09
Overall asthma	DRAM1	cg27425327	rs11110893	T	C	0.263	0.036	0.124	1.39E-13	-0.005	0.014	0.740	0.015	54.688	TRUE	2.67E-13
Overall asthma	DRAM1	cg27425327	rs11110912	G	C	-0.166	0.030	0.188	2.10E-08	0.013	0.012	0.310	0.008	31.387	TRUE	4.64E-08
Overall asthma	DRAM1	cg27425327	rs11111098	T	C	-0.203	0.031	0.180	3.91E-11	0.006	0.013	0.620	0.012	43.633	TRUE	7.22E-11
Overall asthma	DRAM1	cg27425327	rs12319783	T	C	-0.384	0.038	0.107	1.30E-23	-0.012	0.016	0.440	0.026	100.259	TRUE	6.87E-23
Overall asthma	DRAM1	cg27425327	rs4764674	G	A	-0.458	0.023	0.433	1.15E-84	0.021	0.010	0.027	0.093	379.945	TRUE	1.87E-79
Overall asthma	DRAM1	cg27425327	rs61935453	A	G	0.460	0.069	0.027	2.56E-11	-0.005	0.028	0.860	0.012	44.461	TRUE	3.93E-11
Overall asthma	DRAM1	cg27425327	rs7305486	C	T	0.273	0.041	0.085	4.09E-11	-0.019	0.017	0.270	0.012	43.549	TRUE	1.13E-10
Overall asthma	DRAM1	cg27425327	rs75001229	G	A	-0.328	0.034	0.133	8.03E-22	0.019	0.014	0.180	0.024	92.101	TRUE	6.41E-21
Overall asthma	EIF2AK2	cg01617117	rs11904602	C	T	-0.492	0.024	0.388	2.91E-95	-0.018	0.010	0.067	0.104	428.607	TRUE	1.96E-89
Overall asthma	EIF2AK2	cg01617117	rs13398292	G	A	0.179	0.029	0.187	1.29E-09	0.011	0.012	0.350	0.010	36.810	TRUE	2.83E-09
Overall asthma	EIF2AK2	cg01617117	rs13429942	G	C	0.214	0.025	0.350	1.21E-17	0.013	0.010	0.200	0.019	73.100	TRUE	6.39E-17
Overall asthma	EIF2AK2	cg01617117	rs17498534	A	G	0.178	0.028	0.238	2.15E-10	-0.003	0.011	0.790	0.011	40.307	TRUE	3.35E-10
Overall asthma	EIF2AK2	cg01617117	rs2307466	C	G	0.282	0.050	0.056	1.47E-08	-0.008	0.020	0.680	0.009	32.077	TRUE	2.27E-08
Overall asthma	EIF2AK2	cg01617117	rs2888463	T	C	0.229	0.033	0.140	4.66E-12	-0.002	0.013	0.860	0.013	47.801	TRUE	7.44E-12
Overall asthma	EIF2AK2	cg01617117	rs55943710	C	G	-0.333	0.052	0.057	1.21E-10	-0.030	0.021	0.160	0.011	41.433	TRUE	3.89E-10
Overall asthma	EIF2AK2	cg05332270	rs12151626	C	T	0.179	0.030	0.182	4.71E-09	0.010	0.012	0.430	0.009	34.288	TRUE	9.36E-09
Overall asthma	EIF2AK2	cg05332270	rs12992188	G	A	-0.318	0.023	0.461	6.92E-43	-0.011	0.010	0.270	0.048	188.352	TRUE	3.74E-41
Overall asthma	EIF2AK2	cg11429997	rs62133148	C	A	-0.151	0.027	0.225	2.95E-08	0.011	0.011	0.340	0.008	30.727	TRUE	6.16E-08

Overall asthma	EIF2AK2	cg14126601	rs12994023	T	C	-0.508	0.024	0.386	4.57E-102	-0.018	0.010	0.071	0.111	459.850	TRUE	1.26E-95
Overall asthma	EIF2AK2	cg14126601	rs17498534	A	G	0.256	0.028	0.238	5.06E-20	-0.003	0.011	0.790	0.022	83.910	TRUE	1.34E-19
Overall asthma	EIF2AK2	cg14126601	rs186895872	T	C	0.294	0.039	0.101	3.07E-14	0.030	0.017	0.077	0.015	57.658	TRUE	1.71E-13
Overall asthma	EIF2AK2	cg14126601	rs2540991	A	G	-0.301	0.041	0.088	1.50E-13	-0.018	0.016	0.260	0.015	54.538	TRUE	5.02E-13
Overall asthma	EIF2AK2	cg14126601	rs58762847	T	C	0.318	0.025	0.333	2.02E-36	0.014	0.010	0.180	0.041	158.764	TRUE	7.14E-35
Overall asthma	EIF2AK2	cg14126601	rs7596489	G	C	0.353	0.042	0.081	2.53E-17	0.009	0.017	0.610	0.019	71.644	TRUE	6.84E-17
Overall asthma	EIF2AK2	cg14126601	rs9309001	T	G	0.177	0.025	0.320	3.06E-12	0.009	0.010	0.390	0.013	48.623	TRUE	7.76E-12
Overall asthma	EIF2AK2	cg16795804	rs10183153	C	T	0.286	0.042	0.098	6.66E-12	-0.016	0.017	0.340	0.013	47.101	TRUE	1.74E-11
Overall asthma	EIF2AK2	cg16795804	rs10495870	C	A	0.309	0.025	0.355	8.42E-36	0.013	0.010	0.200	0.040	155.927	TRUE	2.48E-34
Overall asthma	EIF2AK2	cg16795804	rs11903252	G	T	0.207	0.027	0.237	4.64E-14	0.009	0.011	0.440	0.015	56.847	TRUE	1.25E-13
Overall asthma	EIF2AK2	cg16795804	rs143549777	G	T	-0.650	0.110	0.025	3.31E-09	0.017	0.030	0.570	0.009	34.975	TRUE	5.79E-09
Overall asthma	EIF2AK2	cg16795804	rs2540991	A	G	-0.354	0.041	0.088	3.65E-18	-0.018	0.016	0.260	0.020	75.461	TRUE	1.75E-17
Overall asthma	EIF2AK2	cg16795804	rs2888463	T	C	0.248	0.033	0.140	7.24E-14	-0.002	0.013	0.860	0.015	55.971	TRUE	1.26E-13
Overall asthma	EIF2AK2	cg16795804	rs3770775	A	C	0.219	0.034	0.128	6.52E-11	-0.011	0.014	0.410	0.011	42.636	TRUE	1.44E-10
Overall asthma	EIF2AK2	cg16795804	rs4670662	C	T	-0.616	0.023	0.388	1.92E-152	-0.020	0.010	0.043	0.157	691.316	TRUE	2.36E-140
Overall asthma	EIF2AK2	cg16795804	rs55943710	C	G	-0.334	0.052	0.057	1.05E-10	-0.030	0.021	0.160	0.011	41.705	TRUE	3.41E-10
Overall asthma	EIF2AK2	cg16795804	rs57839659	T	C	0.141	0.026	0.296	4.12E-08	-0.008	0.010	0.460	0.008	30.077	TRUE	7.59E-08
Overall asthma	EIF2AK2	cg17326313	rs13423928	G	A	0.182	0.024	0.464	1.09E-14	0.011	0.010	0.280	0.016	59.691	TRUE	4.04E-14
Overall asthma	EIF2AK2	cg17326313	rs149468774	A	T	0.362	0.053	0.046	5.86E-12	0.012	0.022	0.600	0.013	47.352	TRUE	1.18E-11
Overall asthma	EIF2AK2	cg17326313	rs62133148	C	A	-0.225	0.028	0.225	3.53E-16	0.011	0.011	0.340	0.018	66.445	TRUE	1.31E-15
Overall asthma	EIF2AK2	cg17326313	rs888096	A	G	-0.139	0.024	0.377	1.10E-08	-0.011	0.010	0.250	0.009	32.635	TRUE	2.54E-08
Overall asthma	EIF2AK2	cg23820429	rs13388882	A	G	-0.284	0.051	0.046	3.44E-08	0.009	0.022	0.690	0.008	30.427	TRUE	5.22E-08
Overall asthma	ENO1	cg02088347	rs2038903	T	G	-0.159	0.023	0.439	1.30E-11	-0.001	0.010	0.890	0.012	45.787	TRUE	1.97E-11
Overall asthma	ENO1	cg06972019	rs11121223	A	T	-0.536	0.029	0.195	6.51E-74	-0.016	0.012	0.190	0.082	330.599	TRUE	3.50E-70
Overall asthma	ENO1	cg06972019	rs11121250	T	C	0.560	0.027	0.250	7.61E-98	-0.021	0.011	0.062	0.106	440.464	TRUE	9.99E-92
Overall asthma	ENO1	cg06972019	rs112104220	G	A	-0.644	0.096	0.019	2.20E-11	0.033	0.035	0.350	0.012	44.757	TRUE	5.56E-11
Overall asthma	ENO1	cg06972019	rs115127818	A	G	0.758	0.101	0.016	4.71E-14	0.015	0.035	0.670	0.015	56.816	TRUE	9.90E-14
Overall asthma	ENO1	cg06972019	rs12120339	A	G	0.637	0.066	0.030	3.09E-22	-0.003	0.026	0.900	0.025	93.993	TRUE	8.24E-22
Overall asthma	ENO1	cg06972019	rs12124851	G	A	0.922	0.021	0.305	<1E-200	0.026	0.010	0.012	0.340	1905.596	TRUE	<1E-200
Overall asthma	ENO1	cg06972019	rs12129659	G	T	0.648	0.087	0.019	8.40E-14	-0.013	0.036	0.720	0.015	55.681	TRUE	1.66E-13
Overall asthma	ENO1	cg06972019	rs12565639	A	G	-0.616	0.029	0.207	2.55E-102	-0.003	0.012	0.830	0.111	461.014	TRUE	2.93E-97
Overall asthma	ENO1	cg06972019	rs138601087	A	G	0.508	0.068	0.031	5.13E-14	0.028	0.028	0.310	0.015	56.649	TRUE	1.62E-13
Overall asthma	ENO1	cg06972019	rs139366811	C	T	-0.499	0.079	0.021	2.17E-10	-0.006	0.032	0.850	0.011	40.286	TRUE	3.23E-10
Overall asthma	ENO1	cg06972019	rs141582190	G	A	0.334	0.041	0.091	3.91E-16	0.045	0.016	0.006	0.018	66.247	TRUE	5.79E-15
Overall asthma	ENO1	cg06972019	rs146274314	T	C	-0.511	0.072	0.028	1.03E-12	0.035	0.027	0.190	0.014	50.761	TRUE	3.62E-12
Overall asthma	ENO1	cg06972019	rs150617841	G	A	-0.534	0.089	0.018	2.17E-09	-0.100	0.037	0.006	0.010	35.792	TRUE	1.29E-08
Overall asthma	ENO1	cg06972019	rs150875913	A	G	0.522	0.073	0.024	1.24E-12	0.100	0.034	0.003	0.013	50.392	TRUE	1.30E-11
Overall asthma	ENO1	cg06972019	rs59092168	T	A	-0.513	0.047	0.057	5.37E-28	-0.025	0.020	0.220	0.031	120.259	TRUE	6.82E-27
Overall asthma	ENO1	cg06972019	rs72636907	T	C	0.332	0.035	0.115	4.54E-21	0.005	0.014	0.700	0.023	88.676	TRUE	1.42E-20
Overall asthma	ENO1	cg06972019	rs7417097	A	G	0.278	0.028	0.232	2.25E-23	0.024	0.011	0.034	0.026	99.173	TRUE	4.48E-22
Overall asthma	ENO1	cg06972019	rs7521910	C	T	0.152	0.025	0.376	7.04E-10	0.006	0.010	0.520	0.010	37.990	TRUE	1.34E-09
Overall asthma	ENO1	cg06972019	rs7545200	A	G	0.202	0.027	0.253	2.93E-14	0.017	0.011	0.120	0.015	57.750	TRUE	1.40E-13

Overall asthma	ENO1	cg06972019	rs80001448	A	G	0.506	0.066	0.033	1.73E-14	0.041	0.027	0.130	0.016	58.782	TRUE	8.28E-14
Overall asthma	ENO1	cg10313368	rs1064826	A	G	0.306	0.025	0.294	2.55E-33	0.024	0.011	0.024	0.038	144.581	TRUE	1.56E-31
Overall asthma	ENO1	cg10313368	rs11121242	A	G	0.787	0.020	0.484	<1E-200	0.008	0.010	0.380	0.286	1479.394	TRUE	4.13E-284
Overall asthma	ENO1	cg10313368	rs114894025	G	A	-0.410	0.069	0.034	3.17E-09	0.031	0.026	0.230	0.009	35.056	TRUE	7.93E-09
Overall asthma	ENO1	cg10313368	rs11585385	G	T	-0.238	0.027	0.271	2.65E-19	-0.005	0.011	0.630	0.021	80.642	TRUE	8.02E-19
Overall asthma	ENO1	cg10313368	rs116445980	T	C	0.558	0.050	0.061	4.51E-29	0.006	0.021	0.790	0.033	125.173	TRUE	2.25E-28
Overall asthma	ENO1	cg10313368	rs12566559	C	T	0.253	0.028	0.232	1.48E-19	0.024	0.011	0.036	0.022	81.785	TRUE	1.96E-18
Overall asthma	ENO1	cg10313368	rs12732947	C	A	-0.291	0.025	0.328	4.21E-31	-0.010	0.010	0.350	0.035	134.447	TRUE	5.20E-30
Overall asthma	ENO1	cg10313368	rs138601087	A	G	0.432	0.068	0.031	1.65E-10	0.028	0.028	0.310	0.011	40.818	TRUE	4.06E-10
Overall asthma	ENO1	cg10313368	rs140458899	T	C	-0.400	0.052	0.066	2.08E-14	-0.015	0.018	0.410	0.016	58.419	TRUE	6.01E-14
Overall asthma	ENO1	cg10313368	rs17383360	G	A	-0.396	0.047	0.056	3.72E-17	-0.021	0.020	0.300	0.019	70.880	TRUE	1.55E-16
Overall asthma	ENO1	cg10313368	rs17385829	C	T	0.362	0.066	0.030	3.86E-08	0.042	0.029	0.150	0.008	30.204	TRUE	1.01E-07
Overall asthma	ENO1	cg10313368	rs192251961	A	G	0.461	0.075	0.044	8.63E-10	0.011	0.023	0.650	0.010	37.593	TRUE	1.48E-09
Overall asthma	ENO1	cg10313368	rs301800	T	C	0.249	0.031	0.175	2.32E-15	-0.027	0.013	0.029	0.017	62.737	TRUE	1.82E-14
Overall asthma	ENO1	cg10313368	rs61787660	A	G	-0.213	0.029	0.208	2.45E-13	0.001	0.012	0.940	0.014	53.574	TRUE	3.87E-13
Overall asthma	ENO1	cg10313368	rs6665631	G	A	0.311	0.025	0.314	6.48E-35	0.006	0.010	0.560	0.039	151.874	TRUE	7.69E-34
Overall asthma	ENO1	cg10443148	rs112984832	T	C	0.329	0.040	0.079	2.92E-16	0.024	0.017	0.160	0.018	66.821	TRUE	1.50E-15
Overall asthma	ENO1	cg10443148	rs11590606	C	T	0.613	0.022	0.498	1.82E-163	0.007	0.010	0.490	0.167	741.979	TRUE	1.87E-151
Overall asthma	ENO1	cg10443148	rs116445980	T	C	0.379	0.050	0.061	3.12E-14	0.006	0.021	0.790	0.015	57.627	TRUE	5.91E-14
Overall asthma	ENO1	cg10443148	rs12732947	C	A	-0.203	0.025	0.328	6.56E-16	-0.010	0.010	0.350	0.017	65.225	TRUE	2.30E-15
Overall asthma	ENO1	cg10443148	rs17383360	G	A	-0.298	0.047	0.056	2.30E-10	-0.021	0.020	0.300	0.011	40.171	TRUE	5.77E-10
Overall asthma	ENO1	cg10443148	rs1889853	A	C	-0.260	0.028	0.225	1.07E-20	-0.018	0.011	0.120	0.023	86.988	TRUE	9.85E-20
Overall asthma	ENO1	cg10443148	rs301800	T	C	0.228	0.031	0.175	3.94E-13	-0.027	0.013	0.029	0.014	52.646	TRUE	2.45E-12
Overall asthma	ENO1	cg10443148	rs7526401	C	T	-0.169	0.025	0.333	1.37E-11	0.016	0.010	0.120	0.012	45.688	TRUE	5.35E-11
Overall asthma	ENO1	cg10443148	rs80001448	A	G	0.403	0.066	0.033	9.67E-10	0.041	0.027	0.130	0.010	37.371	TRUE	3.04E-09
Overall asthma	ENO1	cg12711814	rs2038904	A	G	0.261	0.031	0.176	2.12E-17	-0.028	0.013	0.030	0.019	71.993	TRUE	2.17E-16
Overall asthma	ENO1	cg13785123	rs11121247	T	C	0.257	0.031	0.179	1.14E-16	-0.028	0.013	0.030	0.018	68.676	TRUE	1.08E-15
Overall asthma	ENO1	cg13785123	rs12125525	G	A	0.206	0.025	0.320	1.33E-16	0.031	0.010	0.003	0.018	68.365	TRUE	2.61E-15
Overall asthma	ENO1	cg13785123	rs144754886	G	T	-0.435	0.070	0.033	4.93E-10	0.036	0.027	0.180	0.010	38.682	TRUE	1.43E-09
Overall asthma	ENO1	cg13785123	rs2071412	T	G	-0.537	0.026	0.271	3.15E-98	-0.009	0.011	0.400	0.107	442.226	TRUE	5.40E-93
Overall asthma	ENO1	cg13785123	rs56193077	G	C	-0.449	0.065	0.026	6.34E-12	0.018	0.028	0.520	0.013	47.195	TRUE	1.36E-11
Overall asthma	ENO1	cg13785123	rs77746148	T	C	-0.411	0.063	0.033	9.82E-11	-0.064	0.027	0.019	0.011	41.834	TRUE	5.68E-10
Overall asthma	ENO1	cg18273817	rs10864368	T	C	0.397	0.023	0.498	7.77E-66	0.007	0.010	0.480	0.074	293.543	TRUE	4.23E-63
Overall asthma	ENO1	cg18273817	rs12754538	T	C	-0.160	0.028	0.243	8.23E-09	0.006	0.011	0.610	0.009	33.202	TRUE	1.36E-08
Overall asthma	ENO1	cg18273817	rs4908795	G	C	0.181	0.029	0.208	2.44E-10	0.007	0.012	0.580	0.011	40.058	TRUE	4.48E-10
Overall asthma	ENO1	cg18273817	rs57399447	T	A	0.155	0.024	0.370	1.18E-10	0.031	0.010	0.002	0.011	41.482	TRUE	1.08E-09
Overall asthma	ENO1	cg20971527	rs11121246	T	G	0.295	0.023	0.498	1.19E-37	0.007	0.010	0.470	0.043	164.381	TRUE	2.13E-36
Overall asthma	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	0.056	0.010	1.90E-08	0.016	60.309	TRUE	7.30E-13
Overall asthma	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	0.028	0.010	0.004	0.012	45.175	TRUE	1.55E-10
Overall asthma	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.011	0.015	0.430	0.046	179.017	TRUE	1.90E-39
Overall asthma	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	0.056	0.010	1.90E-08	0.041	157.406	TRUE	1.79E-32
Overall asthma	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	0.049	0.010	3.20E-07	0.020	74.210	TRUE	7.74E-16

Overall asthma	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	0.055	0.010	4.00E-08	0.047	183.509	TRUE	8.76E-38
Overall asthma	EXOC4	cg02347763	rs4728298	A	T	-0.205	0.029	0.182	2.52E-12	-0.002	0.012	0.850	0.013	49.005	TRUE	4.10E-12
Overall asthma	EXOC4	cg03336402	rs2346446	G	T	0.177	0.029	0.189	1.61E-09	0.003	0.012	0.800	0.010	36.377	TRUE	2.39E-09
Overall asthma	EXOC4	cg03336402	rs2953633	A	C	-0.241	0.024	0.364	7.72E-24	-0.036	0.010	3.20E-04	0.027	101.293	TRUE	6.08E-22
Overall asthma	EXOC4	cg06070229	rs35284403	C	T	-0.171	0.025	0.357	5.45E-12	0.008	0.010	0.400	0.013	47.491	TRUE	1.34E-11
Overall asthma	EXOC4	cg07608826	rs1004149	C	T	-0.269	0.037	0.121	3.93E-13	0.007	0.015	0.630	0.014	52.650	TRUE	8.05E-13
Overall asthma	EXOC4	cg07608826	rs10277847	G	A	-0.148	0.025	0.366	1.98E-09	-0.007	0.010	0.500	0.010	35.971	TRUE	3.73E-09
Overall asthma	EXOC4	cg07608826	rs1149552	A	G	0.177	0.025	0.325	7.22E-13	-0.005	0.010	0.620	0.014	51.455	TRUE	1.50E-12
Overall asthma	EXOC4	cg07608826	rs11769029	G	T	-0.199	0.024	0.377	1.27E-16	0.009	0.010	0.350	0.018	68.468	TRUE	4.60E-16
Overall asthma	EXOC4	cg07608826	rs12707132	T	C	-0.321	0.045	0.072	8.35E-13	0.004	0.018	0.810	0.014	51.170	TRUE	1.43E-12
Overall asthma	EXOC4	cg07608826	rs16874341	T	C	-0.272	0.033	0.138	2.49E-16	-0.009	0.014	0.520	0.018	67.134	TRUE	7.08E-16
Overall asthma	EXOC4	cg07608826	rs55963182	T	C	-0.297	0.042	0.091	1.04E-12	-0.018	0.018	0.290	0.014	50.747	TRUE	2.98E-12
Overall asthma	EXOC4	cg07608826	rs62470397	C	T	-0.279	0.033	0.151	1.34E-17	-0.043	0.013	0.001	0.019	72.889	TRUE	3.53E-16
Overall asthma	EXOC4	cg07608826	rs6467475	A	G	-0.162	0.025	0.344	1.20E-10	0.006	0.010	0.570	0.011	41.440	TRUE	2.30E-10
Overall asthma	EXOC4	cg07608826	rs6954610	A	G	0.533	0.023	0.460	2.89E-122	-0.011	0.010	0.260	0.130	552.642	TRUE	1.73E-114
Overall asthma	EXOC4	cg10665199	rs10234153	C	G	-0.341	0.027	0.222	1.71E-35	-0.006	0.011	0.610	0.040	154.519	TRUE	1.97E-34
Overall asthma	EXOC4	cg10665199	rs117359401	T	C	-0.378	0.062	0.036	1.17E-09	-0.056	0.027	0.035	0.010	36.996	TRUE	5.04E-09
Overall asthma	EXOC4	cg10665199	rs11767440	C	G	-0.151	0.025	0.362	7.12E-10	-0.011	0.010	0.270	0.010	37.968	TRUE	1.77E-09
Overall asthma	EXOC4	cg10665199	rs13240465	G	A	0.771	0.021	0.337	1.21E-286	0.014	0.010	0.170	0.261	1308.357	TRUE	9.40E-254
Overall asthma	EXOC4	cg10665199	rs148224531	T	C	0.476	0.061	0.043	4.62E-15	0.032	0.025	0.200	0.016	61.383	TRUE	1.94E-14
Overall asthma	EXOC4	cg10665199	rs1791002	A	C	0.131	0.024	0.414	3.18E-08	-0.010	0.010	0.330	0.008	30.577	TRUE	6.57E-08
Overall asthma	EXOC4	cg10665199	rs1922420	C	A	-0.461	0.027	0.218	1.28E-65	-0.026	0.012	0.027	0.073	292.546	TRUE	6.99E-62
Overall asthma	EXOC4	cg10665199	rs35176962	C	A	0.377	0.024	0.314	5.98E-54	0.001	0.010	0.920	0.061	239.037	TRUE	2.75E-52
Overall asthma	EXOC4	cg10665199	rs55865736	A	C	0.333	0.038	0.118	9.90E-19	0.005	0.015	0.720	0.021	78.037	TRUE	2.59E-18
Overall asthma	EXOC4	cg10665199	rs62462533	A	G	0.176	0.027	0.244	1.36E-10	0.006	0.011	0.620	0.011	41.192	TRUE	2.48E-10
Overall asthma	EXOC4	cg10665199	rs62470436	A	G	0.559	0.052	0.054	1.71E-26	-0.017	0.019	0.380	0.030	113.394	TRUE	1.32E-25
Overall asthma	EXOC4	cg10665199	rs73150814	T	C	-0.415	0.050	0.060	5.16E-17	-0.067	0.020	9.50E-04	0.019	70.236	TRUE	1.29E-15
Overall asthma	EXOC4	cg10665199	rs77206411	C	T	-0.257	0.039	0.097	3.65E-11	0.019	0.016	0.250	0.012	43.767	TRUE	1.06E-10
Overall asthma	EXOC4	cg10665199	rs78285750	G	C	0.454	0.055	0.047	2.03E-16	-0.005	0.022	0.820	0.018	67.536	TRUE	4.19E-16
Overall asthma	EXOC4	cg13616215	rs2542274	T	C	-0.154	0.023	0.456	2.74E-11	-0.010	0.010	0.310	0.012	44.328	TRUE	7.17E-11
Overall asthma	EXOC4	cg13616215	rs73165664	A	C	0.151	0.027	0.231	1.61E-08	-0.021	0.011	0.068	0.009	31.893	TRUE	5.62E-08
Overall asthma	EXOC4	cg22702741	rs9987001	G	C	-0.238	0.033	0.154	2.50E-13	0.007	0.013	0.600	0.014	53.536	TRUE	5.48E-13
Overall asthma	EXOC4	cg23169584	rs10252584	G	A	0.148	0.025	0.366	2.22E-09	0.014	0.010	0.160	0.010	35.749	TRUE	6.39E-09
Overall asthma	EXOC4	cg23169584	rs11562036	C	T	0.307	0.025	0.332	6.72E-35	0.014	0.010	0.170	0.039	151.802	TRUE	2.02E-33
Overall asthma	EXOC4	cg23169584	rs12666682	A	C	0.184	0.023	0.423	2.99E-15	0.010	0.010	0.310	0.017	62.242	TRUE	1.04E-14
Overall asthma	EXOC4	cg23169584	rs143713417	T	G	-0.837	0.105	0.011	1.18E-15	-0.150	0.051	0.002	0.017	64.074	TRUE	1.81E-14
Overall asthma	EXOC4	cg23169584	rs144525480	C	G	-0.911	0.082	0.019	1.58E-28	-0.046	0.034	0.170	0.032	122.680	TRUE	2.36E-27
Overall asthma	EXOC4	cg23169584	rs146687467	C	T	-1.118	0.108	0.015	3.26E-25	-0.002	0.040	0.960	0.028	107.560	TRUE	9.85E-25
Overall asthma	EXOC4	cg23169584	rs17573824	G	C	-0.327	0.028	0.203	3.39E-31	-0.012	0.012	0.300	0.035	134.876	TRUE	4.46E-30
Overall asthma	EXOC4	cg23169584	rs2346441	G	A	0.292	0.033	0.154	4.41E-19	0.003	0.013	0.820	0.021	79.632	TRUE	1.07E-18
Overall asthma	EXOC4	cg23169584	rs55963182	T	C	-0.538	0.041	0.091	1.13E-38	-0.018	0.018	0.290	0.044	169.069	TRUE	3.14E-37
Overall asthma	EXOC4	cg23169584	rs62462495	G	A	0.274	0.031	0.184	3.86E-19	-0.009	0.012	0.450	0.021	79.896	TRUE	1.47E-18

Overall asthma	EXOC4	cg23169584	rs62470953	T	C	0.225	0.040	0.103	1.56E-08	0.007	0.015	0.650	0.009	31.954	TRUE	2.48E-08
Overall asthma	EXOC4	cg23169584	rs73148952	A	G	-1.302	0.183	0.010	1.05E-12	-0.025	0.054	0.640	0.014	50.721	TRUE	2.09E-12
Overall asthma	EXOC4	cg23169584	rs73164816	A	G	-0.491	0.043	0.080	6.74E-30	-0.017	0.018	0.340	0.034	128.943	TRUE	7.40E-29
Overall asthma	EXOC4	cg23169584	rs73165643	T	C	-0.910	0.063	0.039	9.33E-47	-0.076	0.024	0.001	0.053	206.075	TRUE	1.17E-43
Overall asthma	EXOC4	cg23169584	rs7778582	G	A	-1.416	0.024	0.139	<1E-200	-0.051	0.014	3.00E-04	0.482	3443.650	TRUE	<1E-200
Overall asthma	EXOC4	cg23169584	rs8180775	T	C	-0.451	0.039	0.102	1.96E-31	-0.026	0.017	0.120	0.035	135.965	TRUE	4.72E-30
Overall asthma	EXOC4	cg25467879	rs12707122	C	A	-0.236	0.027	0.270	1.65E-18	0.033	0.011	0.002	0.020	77.029	TRUE	3.80E-17
Overall asthma	EXOC4	cg25467879	rs55977260	G	T	-0.245	0.039	0.096	2.89E-10	0.035	0.016	0.023	0.011	39.727	TRUE	1.42E-09
Overall asthma	EXOC4	cg25467879	rs7457999	C	T	0.247	0.028	0.233	8.84E-19	0.001	0.011	0.940	0.021	78.260	TRUE	1.85E-18
Overall asthma	FADS2	cg00603274	rs115588270	G	C	-0.465	0.055	0.043	3.69E-17	-0.068	0.023	0.003	0.019	70.900	TRUE	6.93E-16
Overall asthma	FADS2	cg00603274	rs137915577	A	G	-0.601	0.098	0.012	1.01E-09	-0.008	0.038	0.830	0.010	37.276	TRUE	1.48E-09
Overall asthma	FADS2	cg00603274	rs17185413	C	T	-0.202	0.028	0.218	9.06E-13	0.007	0.011	0.540	0.014	51.010	TRUE	2.04E-12
Overall asthma	FADS2	cg00603274	rs174455	G	A	-0.410	0.024	0.347	5.02E-66	-0.033	0.010	9.80E-04	0.074	294.411	TRUE	1.87E-61
Overall asthma	FADS2	cg00603274	rs174472	G	A	-0.182	0.024	0.407	3.65E-14	-0.010	0.010	0.310	0.015	57.319	TRUE	1.18E-13
Overall asthma	FADS2	cg00603274	rs198459	A	G	0.262	0.029	0.219	4.42E-20	0.026	0.012	0.023	0.022	84.176	TRUE	6.09E-19
Overall asthma	FADS2	cg00603274	rs2521572	T	G	-0.364	0.056	0.046	1.05E-10	-0.014	0.023	0.550	0.011	41.700	TRUE	2.06E-10
Overall asthma	FADS2	cg00603274	rs387137	C	G	-0.134	0.024	0.400	3.12E-08	-0.004	0.010	0.690	0.008	30.616	TRUE	4.72E-08
Overall asthma	FADS2	cg00603274	rs400075	T	C	-0.291	0.027	0.242	1.91E-26	-0.019	0.011	0.082	0.030	113.182	TRUE	3.38E-25
Overall asthma	FADS2	cg00603274	rs472031	A	G	0.284	0.039	0.089	1.56E-13	0.010	0.017	0.540	0.015	54.461	TRUE	3.57E-13
Overall asthma	FADS2	cg00603274	rs509360	A	G	0.335	0.025	0.336	9.87E-41	0.018	0.010	0.077	0.046	178.490	TRUE	9.34E-39
Overall asthma	FADS2	cg00603274	rs66905042	C	A	0.196	0.033	0.135	3.44E-09	-0.015	0.014	0.290	0.009	34.899	TRUE	8.01E-09
Overall asthma	FADS2	cg00603274	rs7102974	T	C	-0.778	0.086	0.016	1.26E-19	-0.020	0.035	0.570	0.022	82.105	TRUE	4.22E-19
Overall asthma	FADS2	cg00603274	rs7928482	A	G	-0.582	0.092	0.014	2.52E-10	-0.007	0.037	0.860	0.011	39.995	TRUE	3.70E-10
Overall asthma	FADS2	cg00603274	rs968567	T	C	-0.978	0.026	0.176	<1E-200	-0.049	0.012	5.90E-05	0.278	1421.109	TRUE	2.10E-269
Overall asthma	FADS2	cg01400685	rs1692116	A	G	0.190	0.033	0.138	7.28E-09	-0.014	0.014	0.300	0.009	33.439	TRUE	1.59E-08
Overall asthma	FADS2	cg01400685	rs17185413	C	T	-0.243	0.028	0.218	8.34E-18	0.007	0.011	0.540	0.020	73.831	TRUE	2.60E-17
Overall asthma	FADS2	cg01400685	rs174455	G	A	-0.403	0.024	0.347	6.62E-64	-0.033	0.010	9.80E-04	0.071	284.688	TRUE	1.70E-59
Overall asthma	FADS2	cg01400685	rs198459	A	G	0.229	0.029	0.219	1.22E-15	0.026	0.012	0.023	0.017	64.005	TRUE	1.05E-14
Overall asthma	FADS2	cg01400685	rs198475	T	C	-0.276	0.027	0.245	6.44E-24	-0.019	0.011	0.074	0.027	101.650	TRUE	8.84E-23
Overall asthma	FADS2	cg01400685	rs2521572	T	G	-0.374	0.056	0.046	2.91E-11	-0.014	0.023	0.550	0.012	44.212	TRUE	5.88E-11
Overall asthma	FADS2	cg01400685	rs2727266	G	A	-0.277	0.048	0.068	5.54E-09	-0.008	0.019	0.690	0.009	33.970	TRUE	8.69E-09
Overall asthma	FADS2	cg01400685	rs387137	C	G	-0.146	0.024	0.400	1.33E-09	-0.004	0.010	0.690	0.010	36.746	TRUE	2.16E-09
Overall asthma	FADS2	cg01400685	rs509360	A	G	0.324	0.025	0.336	4.74E-38	0.018	0.010	0.077	0.043	166.216	TRUE	3.26E-36
Overall asthma	FADS2	cg01400685	rs562172	T	C	0.305	0.039	0.091	3.46E-15	0.012	0.017	0.460	0.016	61.951	TRUE	9.58E-15
Overall asthma	FADS2	cg01400685	rs7102974	T	C	-0.741	0.086	0.016	5.90E-18	-0.020	0.035	0.570	0.020	74.513	TRUE	1.76E-17
Overall asthma	FADS2	cg01400685	rs7928482	A	G	-0.652	0.092	0.014	1.32E-12	-0.007	0.037	0.860	0.013	50.266	TRUE	2.16E-12
Overall asthma	FADS2	cg01400685	rs968567	T	C	-0.932	0.026	0.176	1.33E-277	-0.049	0.012	5.90E-05	0.255	1266.784	TRUE	9.64E-243
Overall asthma	FADS2	cg06781209	rs115588270	G	C	-0.322	0.055	0.043	5.94E-09	-0.068	0.023	0.003	0.009	33.835	TRUE	3.83E-08
Overall asthma	FADS2	cg06781209	rs12288004	A	G	0.241	0.044	0.082	3.89E-08	-0.006	0.017	0.730	0.008	30.186	TRUE	5.71E-08
Overall asthma	FADS2	cg06781209	rs137915577	A	G	-0.594	0.098	0.012	1.58E-09	-0.008	0.038	0.830	0.010	36.416	TRUE	2.29E-09
Overall asthma	FADS2	cg06781209	rs17185413	C	T	-0.274	0.028	0.218	3.31E-22	0.007	0.011	0.540	0.025	93.857	TRUE	1.41E-21
Overall asthma	FADS2	cg06781209	rs174455	G	A	-0.436	0.024	0.347	1.46E-74	-0.033	0.010	9.80E-04	0.083	333.574	TRUE	2.59E-69

Overall asthma	FADS2	cg06781209	rs198443	T	G	-0.160	0.024	0.437	1.29E-11	-0.009	0.010	0.360	0.012	45.802	TRUE	3.26E-11
Overall asthma	FADS2	cg06781209	rs198476	A	G	0.265	0.023	0.492	7.84E-30	0.021	0.010	0.024	0.034	128.644	TRUE	3.30E-28
Overall asthma	FADS2	cg06781209	rs2235093	A	G	0.234	0.024	0.492	3.88E-23	0.014	0.010	0.140	0.026	98.098	TRUE	3.83E-22
Overall asthma	FADS2	cg06781209	rs2521572	T	G	-0.387	0.056	0.046	6.72E-12	-0.014	0.023	0.550	0.013	47.083	TRUE	1.41E-11
Overall asthma	FADS2	cg06781209	rs472031	A	G	0.305	0.039	0.089	2.60E-15	0.010	0.017	0.540	0.017	62.517	TRUE	6.63E-15
Overall asthma	FADS2	cg06781209	rs509360	A	G	0.334	0.025	0.336	2.80E-40	0.018	0.010	0.077	0.046	176.414	TRUE	2.51E-38
Overall asthma	FADS2	cg06781209	rs66905042	C	A	0.198	0.033	0.135	2.46E-09	-0.015	0.014	0.290	0.010	35.548	TRUE	5.80E-09
Overall asthma	FADS2	cg06781209	rs7102974	T	C	-0.845	0.086	0.016	6.95E-23	-0.020	0.035	0.570	0.026	96.942	TRUE	2.94E-22
Overall asthma	FADS2	cg06781209	rs72926147	A	G	-0.469	0.078	0.023	2.27E-09	0.007	0.029	0.800	0.010	35.708	TRUE	3.33E-09
Overall asthma	FADS2	cg06781209	rs7928482	A	G	-0.693	0.092	0.014	5.01E-14	-0.007	0.037	0.860	0.015	56.696	TRUE	8.75E-14
Overall asthma	FADS2	cg06781209	rs7943728	A	G	-1.015	0.026	0.170	<1E-200	-0.050	0.012	4.10E-05	0.292	1523.865	TRUE	9.77E-287
Overall asthma	FADS2	cg07005513	rs174544	A	C	-0.203	0.025	0.297	6.01E-16	-0.051	0.010	9.80E-07	0.017	65.399	TRUE	4.76E-14
Overall asthma	FADS2	cg07591205	rs174544	A	C	0.196	0.025	0.297	2.82E-15	-0.051	0.010	9.80E-07	0.017	62.352	TRUE	1.98E-13
Overall asthma	FADS2	cg07999042	rs61897793	A	G	0.172	0.029	0.179	4.46E-09	-0.047	0.012	1.20E-04	0.009	34.395	TRUE	4.92E-08
Overall asthma	FADS2	cg11250194	rs117702910	G	C	-0.352	0.055	0.041	2.04E-10	-0.063	0.023	0.005	0.011	40.407	TRUE	1.42E-09
Overall asthma	FADS2	cg11250194	rs137915577	A	G	-0.582	0.098	0.012	3.25E-09	-0.008	0.038	0.830	0.009	35.010	TRUE	4.64E-09
Overall asthma	FADS2	cg11250194	rs17185413	C	T	-0.281	0.028	0.218	2.81E-23	0.007	0.011	0.540	0.026	98.732	TRUE	1.30E-22
Overall asthma	FADS2	cg11250194	rs174455	G	A	-0.498	0.024	0.347	1.48E-98	-0.033	0.010	9.80E-04	0.107	443.725	TRUE	3.60E-91
Overall asthma	FADS2	cg11250194	rs198476	A	G	0.265	0.023	0.492	6.97E-30	0.021	0.010	0.024	0.034	128.877	TRUE	2.95E-28
Overall asthma	FADS2	cg11250194	rs2235093	A	G	0.196	0.024	0.492	9.40E-17	0.014	0.010	0.140	0.018	69.055	TRUE	5.23E-16
Overall asthma	FADS2	cg11250194	rs2521572	T	G	-0.433	0.056	0.046	1.41E-14	-0.014	0.023	0.550	0.016	59.188	TRUE	3.49E-14
Overall asthma	FADS2	cg11250194	rs2524292	G	T	-0.338	0.048	0.067	1.33E-12	-0.005	0.019	0.800	0.013	50.254	TRUE	2.28E-12
Overall asthma	FADS2	cg11250194	rs2526678	A	G	-0.444	0.042	0.086	3.61E-26	-0.005	0.017	0.790	0.029	111.919	TRUE	1.44E-25
Overall asthma	FADS2	cg11250194	rs387137	C	G	-0.140	0.024	0.400	6.37E-09	-0.004	0.010	0.690	0.009	33.701	TRUE	9.97E-09
Overall asthma	FADS2	cg11250194	rs500850	C	G	0.323	0.039	0.091	6.28E-17	0.012	0.016	0.470	0.019	69.849	TRUE	2.02E-16
Overall asthma	FADS2	cg11250194	rs509360	A	G	0.398	0.025	0.336	4.40E-57	0.018	0.010	0.077	0.064	253.399	TRUE	3.68E-54
Overall asthma	FADS2	cg11250194	rs61896141	C	A	-0.990	0.026	0.175	<1E-200	-0.053	0.012	1.40E-05	0.279	1430.085	TRUE	1.88E-270
Overall asthma	FADS2	cg11250194	rs67140840	A	G	0.203	0.034	0.131	1.43E-09	-0.012	0.015	0.410	0.010	36.602	TRUE	2.93E-09
Overall asthma	FADS2	cg11250194	rs7102974	T	C	-0.909	0.086	0.016	2.68E-26	-0.020	0.035	0.570	0.030	112.507	TRUE	1.47E-25
Overall asthma	FADS2	cg11250194	rs7928482	A	G	-0.614	0.092	0.014	2.65E-11	-0.007	0.037	0.860	0.012	44.394	TRUE	4.07E-11
Overall asthma	FADS2	cg14911132	rs174455	G	A	-0.242	0.024	0.347	8.43E-24	-0.033	0.010	9.80E-04	0.027	101.117	TRUE	5.16E-22
Overall asthma	FADS2	cg14911132	rs198459	A	G	0.177	0.028	0.219	5.33E-10	0.026	0.012	0.023	0.010	38.533	TRUE	2.51E-09
Overall asthma	FADS2	cg14911132	rs400075	T	C	-0.200	0.027	0.242	2.65E-13	-0.019	0.011	0.082	0.014	53.420	TRUE	1.32E-12
Overall asthma	FADS2	cg14911132	rs509360	A	G	0.188	0.025	0.336	7.06E-14	0.018	0.010	0.077	0.015	56.020	TRUE	3.90E-13
Overall asthma	FADS2	cg14911132	rs562172	T	C	0.250	0.039	0.091	9.42E-11	0.012	0.017	0.460	0.011	41.916	TRUE	1.96E-10
Overall asthma	FADS2	cg14911132	rs61897793	A	G	-0.520	0.029	0.179	6.09E-72	-0.047	0.012	1.20E-04	0.080	321.554	TRUE	1.74E-66
Overall asthma	FADS2	cg16576620	rs968567	T	C	-0.201	0.029	0.176	7.18E-12	-0.049	0.012	5.90E-05	0.013	46.951	TRUE	1.40E-10
Overall asthma	FADS2	cg19610905	rs11230815	G	C	-0.368	0.038	0.105	2.17E-22	0.004	0.015	0.790	0.025	94.692	TRUE	6.65E-22
Overall asthma	FADS2	cg19610905	rs117110139	A	G	-0.675	0.084	0.035	1.08E-15	-0.039	0.025	0.110	0.017	64.245	TRUE	5.92E-15
Overall asthma	FADS2	cg19610905	rs117983270	C	T	-0.637	0.063	0.034	2.29E-24	-0.033	0.025	0.190	0.027	103.701	TRUE	2.22E-23
Overall asthma	FADS2	cg19610905	rs12799017	G	T	-0.180	0.025	0.329	4.23E-13	0.003	0.010	0.770	0.014	52.505	TRUE	7.65E-13
Overall asthma	FADS2	cg19610905	rs1692120	A	G	0.249	0.023	0.478	1.94E-26	0.001	0.010	0.920	0.030	113.149	TRUE	6.69E-26

Overall asthma	FADS2	cg19610905	rs174452	A	G	0.253	0.040	0.090	3.91E-10	0.014	0.016	0.380	0.010	39.138	TRUE	8.67E-10
Overall asthma	FADS2	cg19610905	rs174481	G	C	0.298	0.029	0.215	8.26E-25	0.008	0.012	0.520	0.028	105.718	TRUE	4.25E-24
Overall asthma	FADS2	cg19610905	rs174528	C	T	-0.879	0.019	0.353	<1E-200	-0.041	0.010	3.40E-05	0.357	2049.882	TRUE	<1E-200
Overall asthma	FADS2	cg19610905	rs2727261	T	C	-0.335	0.039	0.106	1.81E-17	-0.031	0.016	0.051	0.019	72.308	TRUE	1.57E-16
Overall asthma	FADS2	cg19610905	rs2736601	T	C	-0.325	0.048	0.067	1.07E-11	-0.004	0.019	0.850	0.012	46.172	TRUE	1.69E-11
Overall asthma	FADS2	cg19610905	rs508768	G	A	0.288	0.039	0.089	7.56E-14	0.009	0.016	0.600	0.015	55.885	TRUE	1.70E-13
Overall asthma	FADS2	cg19610905	rs695186	T	C	-0.325	0.027	0.250	7.92E-34	-0.022	0.011	0.041	0.038	146.903	TRUE	4.20E-32
Overall asthma	FADS2	cg19610905	rs740006	C	T	0.325	0.041	0.090	2.17E-15	0.001	0.016	0.950	0.017	62.868	TRUE	3.72E-15
Overall asthma	FADS2	cg19610905	rs75766519	C	T	-0.612	0.055	0.041	8.06E-29	-0.063	0.023	0.005	0.032	124.020	TRUE	5.23E-27
Overall asthma	FADS2	cg21709803	rs11230749	T	C	-0.225	0.041	0.195	3.80E-08	-0.019	0.013	0.150	0.008	30.232	TRUE	1.01E-07
Overall asthma	FADS2	cg21709803	rs117702910	G	C	-0.306	0.055	0.041	3.42E-08	-0.063	0.023	0.005	0.008	30.439	TRUE	1.77E-07
Overall asthma	FADS2	cg21709803	rs17185413	C	T	-0.237	0.028	0.218	5.02E-17	0.007	0.011	0.540	0.019	70.292	TRUE	1.49E-16
Overall asthma	FADS2	cg21709803	rs174455	G	A	-0.384	0.024	0.347	9.82E-58	-0.033	0.010	9.80E-04	0.065	256.387	TRUE	8.83E-54
Overall asthma	FADS2	cg21709803	rs174472	G	A	-0.162	0.024	0.407	1.63E-11	-0.010	0.010	0.310	0.012	45.350	TRUE	4.36E-11
Overall asthma	FADS2	cg21709803	rs198459	A	G	0.234	0.029	0.219	2.44E-16	0.026	0.012	0.023	0.018	67.171	TRUE	2.27E-15
Overall asthma	FADS2	cg21709803	rs198475	T	C	-0.319	0.027	0.245	1.27E-31	-0.019	0.011	0.074	0.036	136.824	TRUE	3.88E-30
Overall asthma	FADS2	cg21709803	rs472031	A	G	0.299	0.039	0.089	8.19E-15	0.010	0.017	0.540	0.016	60.256	TRUE	2.03E-14
Overall asthma	FADS2	cg21709803	rs509360	A	G	0.321	0.025	0.336	2.38E-37	0.018	0.010	0.077	0.042	163.015	TRUE	1.50E-35
Overall asthma	FADS2	cg21709803	rs7102974	T	C	-0.750	0.086	0.016	2.60E-18	-0.020	0.035	0.570	0.020	76.128	TRUE	7.97E-18
Overall asthma	FADS2	cg21709803	rs7928482	A	G	-0.591	0.092	0.014	1.41E-10	-0.007	0.037	0.860	0.011	41.130	TRUE	2.09E-10
Overall asthma	FADS2	cg21709803	rs968567	T	C	-0.958	0.026	0.176	1.37E-291	-0.049	0.012	5.90E-05	0.265	1331.105	TRUE	6.39E-254
Overall asthma	FADS2	cg25324164	rs174455	G	A	-0.331	0.024	0.347	4.50E-43	-0.033	0.010	9.80E-04	0.049	189.205	TRUE	4.05E-40
Overall asthma	FADS2	cg25324164	rs1800008	T	C	-0.249	0.028	0.215	1.98E-18	0.009	0.011	0.440	0.020	76.666	TRUE	7.46E-18
Overall asthma	FADS2	cg25324164	rs2235093	A	G	0.181	0.024	0.492	1.60E-14	0.014	0.010	0.140	0.016	58.938	TRUE	7.34E-14
Overall asthma	FADS2	cg25324164	rs2521572	T	G	-0.332	0.056	0.046	3.74E-09	-0.014	0.023	0.550	0.009	34.733	TRUE	6.69E-09
Overall asthma	FADS2	cg25324164	rs2736602	C	A	0.138	0.025	0.351	1.69E-08	-0.012	0.010	0.230	0.009	31.807	TRUE	4.01E-08
Overall asthma	FADS2	cg25324164	rs400075	T	C	-0.272	0.027	0.242	3.01E-23	-0.019	0.011	0.082	0.026	98.600	TRUE	3.86E-22
Overall asthma	FADS2	cg25324164	rs500850	C	G	0.279	0.039	0.091	5.24E-13	0.012	0.016	0.470	0.014	52.084	TRUE	1.30E-12
Overall asthma	FADS2	cg25324164	rs509360	A	G	0.260	0.025	0.336	5.05E-25	0.018	0.010	0.077	0.028	106.694	TRUE	8.30E-24
Overall asthma	FADS2	cg25324164	rs7102974	T	C	-0.802	0.086	0.016	8.33E-21	-0.020	0.035	0.570	0.023	87.475	TRUE	3.03E-20
Overall asthma	FADS2	cg25324164	rs72926147	A	G	-0.447	0.078	0.023	1.18E-08	0.007	0.029	0.800	0.009	32.495	TRUE	1.68E-08
Overall asthma	FADS2	cg25324164	rs7928482	A	G	-0.645	0.092	0.014	2.36E-12	-0.007	0.037	0.860	0.013	49.131	TRUE	3.80E-12
Overall asthma	FADS2	cg25324164	rs968567	T	C	-0.970	0.026	0.176	9.68E-302	-0.049	0.012	5.90E-05	0.275	1400.791	TRUE	6.33E-266
Overall asthma	FBXO31	cg06750038	rs11117269	C	T	-0.534	0.023	0.442	4.82E-117	0.025	0.010	0.009	0.125	528.646	TRUE	1.91E-108
Overall asthma	FBXO31	cg06750038	rs13334287	G	A	-0.342	0.036	0.116	1.68E-21	-0.003	0.014	0.810	0.024	90.641	TRUE	4.76E-21
Overall asthma	FBXO31	cg06750038	rs1864144	G	C	-0.390	0.058	0.044	1.65E-11	-0.021	0.023	0.360	0.012	45.325	TRUE	4.11E-11
Overall asthma	FBXO31	cg06750038	rs6540049	C	T	-0.296	0.025	0.309	1.38E-32	-0.005	0.010	0.640	0.037	141.227	TRUE	1.16E-31
Overall asthma	FBXO31	cg06750038	rs71390888	G	C	-0.490	0.079	0.021	4.66E-10	-0.023	0.030	0.440	0.010	38.794	TRUE	9.64E-10
Overall asthma	FBXO31	cg06750038	rs71390902	C	T	-0.299	0.044	0.067	9.75E-12	0.004	0.018	0.840	0.012	46.354	TRUE	1.56E-11
Overall asthma	FBXO31	cg06750038	rs74622263	G	A	0.276	0.049	0.056	1.92E-08	-0.038	0.021	0.062	0.008	31.557	TRUE	6.29E-08
Overall asthma	FBXO31	cg06750038	rs8044820	G	A	-0.473	0.053	0.050	2.47E-19	0.021	0.022	0.350	0.021	80.779	TRUE	1.12E-18
Overall asthma	FBXO31	cg06750038	rs8053397	G	C	0.156	0.026	0.273	1.89E-09	-0.021	0.011	0.046	0.010	36.062	TRUE	7.25E-09

Overall asthma	FBXO31	cg06750038	rs825579	A	G	0.179	0.024	0.473	6.66E-14	-0.011	0.010	0.230	0.015	56.135	TRUE	2.32E-13
Overall asthma	FBXO31	cg06750038	rs873222	A	G	-0.299	0.040	0.090	9.20E-14	-0.012	0.017	0.480	0.015	55.501	TRUE	2.32E-13
Overall asthma	FBXO31	cg06750038	rs9938266	C	T	-0.188	0.025	0.339	3.51E-14	0.012	0.010	0.220	0.015	57.393	TRUE	1.30E-13
Overall asthma	FBXO31	cg09880724	rs111469125	G	A	0.608	0.054	0.050	3.40E-29	0.015	0.023	0.520	0.033	125.733	TRUE	2.57E-28
Overall asthma	FBXO31	cg09880724	rs111931917	G	A	0.396	0.040	0.100	6.93E-23	0.017	0.017	0.320	0.026	96.948	TRUE	4.37E-22
Overall asthma	FBXO31	cg09880724	rs113137978	T	C	0.606	0.084	0.014	4.87E-13	-0.025	0.036	0.480	0.014	52.227	TRUE	1.16E-12
Overall asthma	FBXO31	cg09880724	rs117825456	T	G	0.332	0.058	0.040	1.30E-08	0.048	0.022	0.028	0.009	32.320	TRUE	5.27E-08
Overall asthma	FBXO31	cg09880724	rs2334207	T	G	-0.163	0.023	0.481	2.46E-12	-0.021	0.010	0.030	0.013	49.049	TRUE	1.52E-11
Overall asthma	FBXO31	cg09880724	rs2573119	A	G	0.264	0.037	0.110	8.10E-13	0.014	0.015	0.350	0.014	51.230	TRUE	2.24E-12
Overall asthma	FBXO31	cg09880724	rs4552033	A	G	0.245	0.032	0.155	1.61E-14	0.012	0.013	0.370	0.016	58.923	TRUE	5.01E-14
Overall asthma	FBXO31	cg09880724	rs6540049	C	T	-0.219	0.025	0.309	5.24E-19	-0.005	0.010	0.640	0.021	79.293	TRUE	1.56E-18
Overall asthma	FBXO31	cg09880724	rs76928063	T	C	0.402	0.066	0.034	1.10E-09	0.036	0.025	0.150	0.010	37.122	TRUE	3.29E-09
Overall asthma	FER	cg11403831	rs79409628	T	G	-0.363	0.043	0.079	5.51E-17	-0.013	0.017	0.460	0.019	70.107	TRUE	1.80E-16
Overall asthma	FER	cg16174681	rs6594336	T	C	-0.150	0.024	0.453	2.03E-10	-0.001	0.010	0.900	0.011	40.416	TRUE	2.90E-10
Overall asthma	FER	cg16174681	rs79409628	T	G	0.513	0.044	0.079	1.15E-31	-0.013	0.017	0.460	0.036	137.023	TRUE	1.22E-30
Overall asthma	FER	cg16286925	rs11950165	A	T	-0.178	0.027	0.251	7.21E-11	-0.002	0.011	0.840	0.011	42.438	TRUE	1.11E-10
Overall asthma	FER	cg17317165	rs143093286	A	G	-0.242	0.027	0.228	1.41E-18	0.002	0.011	0.840	0.020	77.344	TRUE	3.23E-18
Overall asthma	FER	cg17317165	rs6869357	C	T	-0.142	0.024	0.394	5.06E-09	0.017	0.010	0.078	0.009	34.146	TRUE	1.70E-08
Overall asthma	FER	cg19526267	rs10063167	A	T	-0.137	0.024	0.373	1.28E-08	-0.008	0.010	0.400	0.009	32.339	TRUE	2.53E-08
Overall asthma	FER	cg19526267	rs181331526	G	A	0.547	0.056	0.043	2.18E-22	0.053	0.022	0.016	0.025	94.680	TRUE	4.79E-21
Overall asthma	FER	cg19730600	rs10059972	A	G	0.402	0.073	0.031	3.72E-08	-0.018	0.025	0.470	0.008	30.273	TRUE	6.66E-08
Overall asthma	FER	cg19730600	rs115004203	A	G	0.440	0.068	0.030	1.27E-10	-0.025	0.027	0.350	0.011	41.332	TRUE	3.01E-10
Overall asthma	FER	cg19730600	rs12152902	A	G	0.652	0.029	0.205	1.12E-115	-0.011	0.012	0.350	0.124	522.366	TRUE	9.07E-109
Overall asthma	FER	cg19730600	rs145640892	T	C	0.562	0.076	0.026	1.11E-13	-0.037	0.031	0.240	0.015	55.135	TRUE	3.92E-13
Overall asthma	FER	cg19730600	rs2940516	C	T	-0.151	0.024	0.363	2.93E-10	0.006	0.010	0.530	0.011	39.699	TRUE	5.66E-10
Overall asthma	FER	cg19730600	rs35863505	T	G	0.261	0.027	0.252	1.17E-22	-0.018	0.011	0.110	0.025	95.913	TRUE	1.30E-21
Overall asthma	FER	cg19730600	rs6861439	A	G	0.136	0.023	0.424	7.09E-09	-0.006	0.010	0.570	0.009	33.493	TRUE	1.22E-08
Overall asthma	FER	cg19730600	rs6885260	T	G	-0.172	0.030	0.178	1.55E-08	-0.005	0.012	0.690	0.009	31.976	TRUE	2.38E-08
Overall asthma	FER	cg19730600	rs75390688	A	C	0.350	0.055	0.052	1.66E-10	0.026	0.020	0.200	0.011	40.808	TRUE	4.90E-10
Overall asthma	FER	cg19730600	rs7711795	G	A	-0.199	0.026	0.295	1.86E-14	0.004	0.010	0.690	0.016	58.643	TRUE	3.95E-14
Overall asthma	FER	cg20423064	rs10074335	G	A	-0.240	0.044	0.078	3.54E-08	0.002	0.018	0.920	0.008	30.369	TRUE	4.54E-08
Overall asthma	FER	cg20423064	rs12519202	T	C	-0.221	0.035	0.119	3.41E-10	0.028	0.015	0.061	0.011	39.400	TRUE	1.38E-09
Overall asthma	FER	cg20423064	rs2081126	C	T	-0.145	0.025	0.351	3.13E-09	-0.006	0.010	0.520	0.009	35.085	TRUE	5.73E-09
Overall asthma	FER	cg20423064	rs75169262	A	G	-0.339	0.057	0.043	2.71E-09	0.023	0.025	0.350	0.009	35.365	TRUE	5.83E-09
Overall asthma	FER	cg20423064	rs7734520	T	G	-0.727	0.051	0.050	5.83E-47	0.027	0.020	0.190	0.053	207.009	TRUE	6.60E-45
Overall asthma	FES	cg03209642	rs4932373	C	A	0.244	0.025	0.312	5.01E-22	-0.021	0.010	0.041	0.025	93.035	TRUE	7.99E-21
Overall asthma	FES	cg04510874	rs78569252	G	C	-0.219	0.036	0.118	1.78E-09	-0.009	0.015	0.550	0.010	36.180	TRUE	3.23E-09
Overall asthma	FES	cg04510874	rs8032315	A	T	0.397	0.025	0.312	6.94E-56	-0.023	0.010	0.024	0.063	247.907	TRUE	1.02E-52
Overall asthma	FES	cg05180856	rs2611649	G	A	0.143	0.026	0.290	2.14E-08	0.009	0.011	0.380	0.008	31.347	TRUE	4.16E-08
Overall asthma	FES	cg05180856	rs6227	T	C	0.292	0.025	0.313	8.94E-31	-0.024	0.010	0.018	0.035	132.950	TRUE	5.15E-29
Overall asthma	FES	cg05211768	rs111417372	C	G	-0.300	0.036	0.118	8.91E-17	-0.009	0.015	0.560	0.018	69.161	TRUE	2.48E-16
Overall asthma	FES	cg05211768	rs12906125	A	G	0.338	0.025	0.316	6.21E-41	-0.022	0.010	0.033	0.046	179.411	TRUE	9.94E-39

Overall asthma	FES	cg06330618	rs2532102	A	G	-0.193	0.024	0.475	3.00E-16	-0.014	0.010	0.140	0.018	66.769	TRUE	1.56E-15
Overall asthma	FES	cg06330618	rs393974	C	A	0.134	0.024	0.383	2.41E-08	0.009	0.010	0.360	0.008	31.114	TRUE	4.86E-08
Overall asthma	FES	cg06330618	rs8027450	T	C	0.545	0.025	0.310	2.27E-106	-0.024	0.010	0.022	0.115	479.621	TRUE	4.94E-99
Overall asthma	FES	cg18661868	rs7183988	T	G	-0.157	0.023	0.470	1.62E-11	-0.022	0.010	0.020	0.012	45.365	TRUE	9.72E-11
Overall asthma	FES	cg24888049	rs1029420	T	C	0.271	0.024	0.401	7.10E-30	0.007	0.010	0.480	0.034	128.839	TRUE	6.03E-29
Overall asthma	FES	cg24888049	rs111417372	C	G	-1.227	0.031	0.118	<1E-200	-0.009	0.015	0.560	0.296	1556.451	TRUE	1.09E-297
Overall asthma	FES	cg24888049	rs117918230	T	C	-0.919	0.117	0.026	4.65E-15	0.056	0.033	0.096	0.016	61.369	TRUE	2.67E-14
Overall asthma	FES	cg24888049	rs11853441	G	T	0.248	0.023	0.474	2.76E-26	0.006	0.010	0.550	0.030	112.454	TRUE	1.55E-25
Overall asthma	FES	cg24888049	rs12437758	C	T	0.152	0.024	0.385	3.34E-10	0.012	0.010	0.230	0.011	39.443	TRUE	9.13E-10
Overall asthma	FES	cg24888049	rs28385043	C	T	-0.237	0.040	0.092	3.41E-09	0.002	0.015	0.900	0.009	34.917	TRUE	4.65E-09
Overall asthma	FES	cg24888049	rs4932368	A	G	-0.550	0.045	0.068	3.26E-34	-0.018	0.017	0.290	0.039	148.663	TRUE	6.16E-33
Overall asthma	FES	cg24888049	rs5011652	G	C	-0.157	0.028	0.233	1.25E-08	-0.002	0.011	0.860	0.009	32.384	TRUE	1.72E-08
Overall asthma	FES	cg24888049	rs76447756	T	C	-0.775	0.101	0.033	1.91E-14	-0.025	0.028	0.380	0.016	58.592	TRUE	5.77E-14
Overall asthma	FES	cg25647583	rs6224	T	G	0.157	0.023	0.470	2.13E-11	-0.027	0.010	0.005	0.012	44.820	TRUE	1.76E-10
Overall asthma	FES	cg26899598	rs4932373	C	A	0.172	0.025	0.312	1.40E-11	-0.021	0.010	0.041	0.012	45.639	TRUE	7.54E-11
Overall asthma	FEZ1	cg01460481	rs2321158	G	A	-0.167	0.023	0.472	8.75E-13	0.010	0.010	0.320	0.014	51.079	TRUE	2.53E-12
Overall asthma	FEZ1	cg01460481	rs2845849	T	C	-0.205	0.028	0.230	1.48E-13	0.006	0.011	0.590	0.015	54.564	TRUE	3.31E-13
Overall asthma	FEZ1	cg01460481	rs3862619	T	G	0.253	0.024	0.404	6.24E-27	-0.003	0.010	0.730	0.030	115.397	TRUE	2.87E-26
Overall asthma	FEZ1	cg01460481	rs511246	T	C	0.643	0.107	0.014	1.82E-09	-0.014	0.042	0.730	0.010	36.138	TRUE	2.82E-09
Overall asthma	FEZ1	cg01460481	rs546039	C	T	0.183	0.024	0.395	1.88E-14	0.006	0.010	0.510	0.016	58.626	TRUE	4.78E-14
Overall asthma	FEZ1	cg01460481	rs666160	G	A	0.838	0.035	0.118	1.02E-123	-0.013	0.015	0.390	0.131	559.312	TRUE	4.69E-116
Overall asthma	FEZ1	cg01460481	rs77348105	C	T	0.754	0.072	0.029	8.91E-26	-0.027	0.030	0.380	0.029	110.128	TRUE	6.50E-25
Overall asthma	FEZ1	cg05390307	rs11220103	T	C	-0.177	0.029	0.192	1.62E-09	-0.005	0.012	0.680	0.010	36.369	TRUE	2.64E-09
Overall asthma	FEZ1	cg06302541	rs551131	T	C	-0.238	0.043	0.084	3.38E-08	0.022	0.017	0.180	0.008	30.460	TRUE	8.23E-08
Overall asthma	FEZ1	cg12906303	rs10893425	C	T	-0.158	0.023	0.495	1.07E-11	-0.005	0.010	0.590	0.012	46.167	TRUE	2.14E-11
Overall asthma	FEZ1	cg12906303	rs13424	C	A	0.144	0.024	0.326	3.69E-09	0.004	0.010	0.680	0.009	34.761	TRUE	5.93E-09
Overall asthma	FEZ1	cg12906303	rs1522761	C	A	-0.155	0.023	0.466	1.69E-11	0.003	0.010	0.770	0.012	45.274	TRUE	2.82E-11
Overall asthma	FEZ1	cg12906303	rs1941367	T	C	0.203	0.024	0.355	1.52E-17	-0.003	0.010	0.760	0.019	72.649	TRUE	3.58E-17
Overall asthma	FEZ1	cg12906303	rs2321158	G	A	-0.207	0.023	0.472	6.89E-19	0.010	0.010	0.320	0.021	78.752	TRUE	3.15E-18
Overall asthma	FEZ1	cg12906303	rs2513090	A	G	0.808	0.035	0.124	3.71E-118	-0.012	0.015	0.420	0.126	533.761	TRUE	4.09E-111
Overall asthma	FEZ1	cg12906303	rs511246	T	C	0.657	0.107	0.014	7.30E-10	-0.014	0.042	0.730	0.010	37.919	TRUE	1.15E-09
Overall asthma	FEZ1	cg12906303	rs77348105	C	T	0.711	0.072	0.029	3.50E-23	-0.027	0.030	0.380	0.026	98.300	TRUE	2.06E-22
Overall asthma	FEZ1	cg15184602	rs12421948	T	C	-0.201	0.034	0.139	3.79E-09	-0.011	0.013	0.400	0.009	34.709	TRUE	7.75E-09
Overall asthma	FEZ1	cg15184602	rs1284352	C	A	0.146	0.024	0.356	1.83E-09	0.004	0.010	0.670	0.010	36.125	TRUE	3.00E-09
Overall asthma	FEZ1	cg15184602	rs2849222	C	T	0.208	0.026	0.291	3.58E-16	0.004	0.011	0.700	0.018	66.416	TRUE	8.17E-16
Overall asthma	FEZ1	cg18436735	rs2845849	T	C	-0.176	0.028	0.230	1.98E-10	0.006	0.011	0.590	0.011	40.464	TRUE	3.69E-10
Overall asthma	FEZ1	cg18436735	rs3862619	T	G	0.178	0.024	0.404	4.42E-14	-0.003	0.010	0.730	0.015	56.943	TRUE	8.79E-14
Overall asthma	FEZ1	cg18436735	rs669052	C	A	0.636	0.036	0.121	1.28E-70	-0.012	0.015	0.420	0.079	315.492	TRUE	1.66E-67
Overall asthma	FEZ1	cg18436735	rs77348105	C	T	0.575	0.072	0.029	1.38E-15	-0.027	0.030	0.380	0.017	63.768	TRUE	4.53E-15
Overall asthma	FEZ1	cg19433435	rs2155388	A	G	0.166	0.026	0.284	1.40E-10	-0.002	0.011	0.850	0.011	41.143	TRUE	2.08E-10
Overall asthma	FEZ1	cg19792194	rs601034	C	T	-0.455	0.042	0.093	1.05E-27	0.038	0.017	0.025	0.031	118.935	TRUE	3.55E-26
Overall asthma	FEZ1	cg23366166	rs7108311	A	G	-0.172	0.031	0.168	3.16E-08	0.004	0.013	0.760	0.008	30.592	TRUE	4.55E-08

Overall asthma	FGFR3	cg00077738	rs114803756	C	G	-0.772	0.070	0.030	2.62E-28	-0.012	0.027	0.660	0.032	121.686	TRUE	1.48E-27
Overall asthma	FGFR3	cg00077738	rs115117761	G	C	-0.445	0.046	0.071	4.05E-22	0.004	0.019	0.850	0.025	93.458	TRUE	1.14E-21
Overall asthma	FGFR3	cg00077738	rs115353075	T	C	-0.723	0.125	0.015	6.43E-09	-0.056	0.043	0.180	0.009	33.680	TRUE	1.67E-08
Overall asthma	FGFR3	cg00077738	rs1894425	G	A	-0.296	0.027	0.229	1.68E-27	0.023	0.011	0.039	0.031	117.996	TRUE	4.81E-26
Overall asthma	FGFR3	cg00077738	rs28681468	T	C	-1.046	0.064	0.033	1.77E-59	0.064	0.026	0.015	0.067	264.381	TRUE	5.73E-56
Overall asthma	FGFR3	cg00077738	rs4315860	T	G	0.138	0.023	0.476	3.33E-09	0.007	0.010	0.470	0.009	34.964	TRUE	6.35E-09
Overall asthma	FGFR3	cg00077738	rs75608146	T	C	-0.664	0.099	0.013	2.07E-11	0.001	0.036	0.980	0.012	44.877	TRUE	2.90E-11
Overall asthma	FGFR3	cg00077738	rs77914314	T	C	-0.465	0.049	0.146	3.10E-21	-0.016	0.014	0.240	0.024	89.430	TRUE	1.94E-20
Overall asthma	FGFR3	cg03874978	rs68036491	C	G	-0.183	0.031	0.163	2.83E-09	-0.001	0.013	0.970	0.009	35.279	TRUE	3.67E-09
Overall asthma	FGFR3	cg07360076	rs58012990	A	G	-0.269	0.029	0.194	3.36E-20	0.009	0.012	0.450	0.022	84.722	TRUE	1.38E-19
Overall asthma	FGFR3	cg24979233	rs3135865	T	C	-0.814	0.136	0.017	2.36E-09	-0.060	0.036	0.092	0.010	35.630	TRUE	7.82E-09
Overall asthma	FGR	cg00065048	rs112861813	G	A	0.725	0.050	0.059	9.19E-48	0.010	0.019	0.620	0.054	210.686	TRUE	3.60E-46
Overall asthma	FGR	cg00065048	rs28906069	G	A	0.498	0.080	0.038	5.15E-10	0.000	0.023	0.990	0.010	38.600	TRUE	6.75E-10
Overall asthma	FGR	cg00065048	rs34341922	G	A	0.135	0.024	0.373	3.33E-08	-0.009	0.010	0.380	0.008	30.491	TRUE	6.50E-08
Overall asthma	FGR	cg00404394	rs11247639	A	G	0.144	0.026	0.299	3.64E-08	-0.015	0.011	0.150	0.008	30.317	TRUE	9.17E-08
Overall asthma	FGR	cg00404394	rs112861813	G	A	1.038	0.049	0.059	4.20E-99	0.010	0.019	0.620	0.108	446.244	TRUE	4.50E-94
Overall asthma	FGR	cg00404394	rs17340482	C	G	0.326	0.045	0.079	5.50E-13	0.005	0.015	0.770	0.014	51.988	TRUE	9.96E-13
Overall asthma	FGR	cg00404394	rs28906069	G	A	0.732	0.080	0.038	3.99E-20	0.000	0.023	0.990	0.022	84.381	TRUE	8.45E-20
Overall asthma	FGR	cg00404394	rs75443844	T	C	0.604	0.095	0.016	1.83E-10	0.002	0.041	0.960	0.011	40.619	TRUE	2.50E-10
Overall asthma	FGR	cg00404394	rs7556668	G	A	0.262	0.039	0.102	2.10E-11	0.016	0.016	0.310	0.012	44.851	TRUE	5.50E-11
Overall asthma	FGR	cg06827976	rs17162676	G	A	0.670	0.105	0.014	1.58E-10	0.074	0.038	0.051	0.011	40.910	TRUE	6.90E-10
Overall asthma	FGR	cg08885657	rs34806307	T	C	0.711	0.042	0.075	2.51E-64	0.045	0.018	0.010	0.072	286.615	TRUE	1.88E-60
Overall asthma	FGR	cg09845000	rs112861813	G	A	0.854	0.050	0.059	3.00E-66	0.010	0.019	0.620	0.074	295.433	TRUE	1.25E-63
Overall asthma	FGR	cg09845000	rs28906069	G	A	0.622	0.080	0.038	7.18E-15	0.000	0.023	0.990	0.016	60.515	TRUE	1.16E-14
Overall asthma	FGR	cg11587640	rs112861813	G	A	0.437	0.050	0.059	4.65E-18	0.010	0.019	0.620	0.020	74.982	TRUE	1.32E-17
Overall asthma	FGR	cg22402398	rs12726763	G	A	-0.333	0.045	0.071	1.33E-13	0.032	0.019	0.089	0.015	54.777	TRUE	6.60E-13
Overall asthma	FGR	cg22402398	rs17162676	G	A	-2.119	0.102	0.014	1.07E-96	0.074	0.038	0.051	0.105	435.201	TRUE	1.19E-90
Overall asthma	FIS1	cg01299997	rs112823304	C	T	0.593	0.098	0.017	1.19E-09	-0.059	0.041	0.150	0.010	36.970	TRUE	3.54E-09
Overall asthma	FIS1	cg01299997	rs4729666	T	C	0.238	0.032	0.191	5.20E-14	-0.009	0.012	0.470	0.015	56.623	TRUE	1.36E-13
Overall asthma	FIS1	cg01299997	rs4729678	T	G	0.231	0.024	0.393	1.01E-21	0.006	0.010	0.510	0.024	91.654	TRUE	4.23E-21
Overall asthma	FIS1	cg01299997	rs6979286	G	A	0.649	0.051	0.056	1.15E-37	-0.004	0.021	0.860	0.043	164.450	TRUE	1.06E-36
Overall asthma	FIS1	cg01299997	rs75741381	G	C	-0.187	0.032	0.157	6.59E-09	0.010	0.013	0.470	0.009	33.634	TRUE	1.25E-08
Overall asthma	FIS1	cg01299997	rs77379913	A	G	-0.904	0.072	0.029	3.03E-36	-0.011	0.027	0.680	0.041	157.954	TRUE	3.25E-35
Overall asthma	FIS1	cg03239279	rs184781527	A	G	-1.102	0.111	0.015	2.91E-23	-0.083	0.049	0.090	0.026	98.663	TRUE	3.63E-22
Overall asthma	FIS1	cg17825709	rs371349457	G	C	0.548	0.052	0.053	6.22E-26	-0.100	0.049	0.036	0.029	110.840	TRUE	1.43E-24
Overall asthma	FIS1	cg17825709	rs4729678	T	G	0.179	0.024	0.393	1.33E-13	0.006	0.010	0.510	0.015	54.780	TRUE	3.21E-13
Overall asthma	FIS1	cg17825709	rs734688	T	C	-0.131	0.024	0.388	3.46E-08	-0.002	0.010	0.850	0.008	30.416	TRUE	4.68E-08
Overall asthma	FIS1	cg17825709	rs77379913	A	G	-0.449	0.072	0.029	5.34E-10	-0.011	0.027	0.680	0.010	38.526	TRUE	8.89E-10
Overall asthma	FIS1	cg17944572	rs2302428	C	T	-0.255	0.026	0.281	3.11E-22	-0.005	0.011	0.670	0.025	93.975	TRUE	1.09E-21
Overall asthma	FIS1	cg17944572	rs77731918	T	C	-0.526	0.057	0.042	1.94E-20	0.020	0.023	0.380	0.023	85.802	TRUE	8.94E-20
Overall asthma	FIS1	cg18158419	rs10265206	A	G	0.370	0.056	0.042	5.38E-11	0.021	0.023	0.360	0.011	43.011	TRUE	1.30E-10
Overall asthma	FIS1	cg18158419	rs117817520	G	T	0.715	0.127	0.019	1.70E-08	0.036	0.039	0.350	0.009	31.795	TRUE	3.47E-08

Overall asthma	FIS1	cg18158419	rs13229117	C	T	0.136	0.025	0.344	4.46E-08	0.010	0.010	0.330	0.008	29.924	TRUE	9.11E-08
Overall asthma	FIS1	cg18158419	rs184781527	A	G	1.468	0.110	0.015	2.03E-40	-0.083	0.049	0.090	0.046	177.052	TRUE	1.62E-38
Overall asthma	FIS1	cg18158419	rs4729678	T	G	0.235	0.024	0.393	1.92E-22	0.006	0.010	0.510	0.025	94.935	TRUE	8.50E-22
Overall asthma	FIS1	cg18158419	rs734688	T	C	-0.147	0.024	0.388	6.85E-10	-0.002	0.010	0.850	0.010	38.043	TRUE	9.97E-10
Overall asthma	FIS1	cg18158419	rs77379913	A	G	-0.695	0.072	0.029	6.27E-22	-0.011	0.027	0.680	0.024	92.591	TRUE	2.12E-21
Overall asthma	FIS1	cg18158419	rs7777930	T	C	0.428	0.052	0.150	1.75E-16	0.028	0.013	0.036	0.018	67.834	TRUE	1.63E-15
Overall asthma	FIS1	cg19802458	rs73185938	T	C	0.171	0.029	0.212	4.88E-09	0.006	0.012	0.600	0.009	34.217	TRUE	8.23E-09
Overall asthma	FIS1	cg19802458	rs77731918	T	C	-0.460	0.057	0.042	6.08E-16	0.020	0.023	0.380	0.017	65.375	TRUE	2.01E-15
Overall asthma	FIS1	cg25385322	rs1047319	G	T	-0.192	0.029	0.223	4.10E-11	-0.004	0.011	0.710	0.012	43.542	TRUE	7.11E-11
Overall asthma	FIS1	cg25385322	rs13226233	C	G	-0.189	0.026	0.297	2.30E-13	0.004	0.010	0.730	0.014	53.698	TRUE	4.44E-13
Overall asthma	FIS1	cg25385322	rs6942609	A	G	0.289	0.029	0.213	3.41E-23	0.005	0.012	0.660	0.026	98.354	TRUE	1.29E-22
Overall asthma	FIS1	cg25385322	rs6979286	G	A	0.547	0.051	0.056	3.38E-27	-0.004	0.021	0.860	0.031	116.611	TRUE	1.33E-26
Overall asthma	FLJ23867	cg07603239	rs12069743	A	G	-0.477	0.074	0.025	1.46E-10	0.030	0.033	0.360	0.011	41.061	TRUE	3.40E-10
Overall asthma	FLJ23867	cg07603239	rs3753801	G	A	-0.159	0.027	0.241	3.94E-09	0.009	0.011	0.440	0.009	34.632	TRUE	7.80E-09
Overall asthma	FLJ23867	cg07603239	rs627897	G	A	-0.334	0.053	0.051	3.20E-10	0.005	0.023	0.840	0.011	39.530	TRUE	4.75E-10
Overall asthma	FLJ23867	cg07603239	rs7542624	G	A	-0.225	0.038	0.217	4.71E-09	-0.009	0.012	0.440	0.009	34.289	TRUE	9.10E-09
Overall asthma	FLJ23867	cg07603239	rs7597	T	C	-0.828	0.047	0.059	2.78E-68	0.006	0.021	0.780	0.076	304.763	TRUE	1.07E-65
Overall asthma	FNIP2	cg00245454	rs17285611	T	C	0.428	0.059	0.070	6.51E-13	0.040	0.019	0.031	0.014	51.658	TRUE	4.03E-12
Overall asthma	FNIP2	cg05539369	rs13123982	A	G	0.133	0.024	0.382	2.83E-08	0.036	0.010	2.50E-04	0.008	30.806	TRUE	2.39E-07
Overall asthma	FNIP2	cg05615763	rs34033556	C	G	0.293	0.024	0.370	6.63E-34	0.028	0.010	0.005	0.038	147.254	TRUE	9.36E-32
Overall asthma	FNIP2	cg13702235	rs2347518	A	G	0.251	0.024	0.429	1.45E-26	0.030	0.010	0.002	0.030	113.726	TRUE	1.04E-24
Overall asthma	FNIP2	cg18095824	rs74931360	T	C	-0.713	0.053	0.081	9.81E-41	0.027	0.017	0.110	0.046	178.501	TRUE	7.13E-39
Overall asthma	FNIP2	cg18095824	rs79579360	A	C	-0.240	0.042	0.078	9.79E-09	0.014	0.017	0.410	0.009	32.865	TRUE	1.92E-08
Overall asthma	FNIP2	cg25026700	rs12509657	T	C	-0.417	0.054	0.049	1.13E-14	0.001	0.023	0.970	0.016	59.616	TRUE	1.85E-14
Overall asthma	FOXK1	cg00064840	rs28658109	C	T	0.184	0.031	0.168	3.64E-09	0.014	0.013	0.280	0.009	34.788	TRUE	8.49E-09
Overall asthma	FOXK1	cg00064840	rs6463014	T	C	-0.195	0.028	0.232	3.20E-12	-0.020	0.011	0.076	0.013	48.537	TRUE	1.53E-11
Overall asthma	FOXK1	cg00064840	rs7784748	T	C	-0.532	0.023	0.426	1.67E-120	-0.023	0.010	0.016	0.128	544.544	TRUE	9.82E-112
Overall asthma	FOXK1	cg01509853	rs10262715	A	G	-0.145	0.024	0.413	7.89E-10	-0.026	0.010	0.009	0.010	37.766	TRUE	4.91E-09
Overall asthma	FOXK1	cg01509853	rs17135109	T	C	0.476	0.076	0.025	3.78E-10	-0.010	0.032	0.740	0.010	39.202	TRUE	5.98E-10
Overall asthma	FOXK1	cg01509853	rs28476654	T	A	0.903	0.094	0.030	7.36E-22	-0.019	0.026	0.460	0.024	92.273	TRUE	3.34E-21
Overall asthma	FOXK1	cg01509853	rs7788807	C	T	0.408	0.070	0.058	4.44E-09	-0.015	0.021	0.470	0.009	34.403	TRUE	8.38E-09
Overall asthma	FOXK1	cg03599658	rs150248176	C	G	-0.641	0.077	0.025	9.33E-17	-0.002	0.032	0.960	0.018	69.070	TRUE	1.71E-16
Overall asthma	FOXK1	cg04261496	rs4540325	T	C	-0.181	0.024	0.383	4.53E-14	-0.021	0.010	0.030	0.015	56.892	TRUE	3.25E-13
Overall asthma	FOXK1	cg05117982	rs12701865	G	T	0.147	0.025	0.343	3.54E-09	-0.020	0.010	0.050	0.009	34.843	TRUE	1.39E-08
Overall asthma	FOXK1	cg05117982	rs6973046	G	A	-0.336	0.023	0.487	7.61E-47	0.031	0.010	0.001	0.053	206.480	TRUE	1.05E-43
Overall asthma	FOXK1	cg05117982	rs7788807	C	T	0.416	0.070	0.058	2.52E-09	-0.015	0.021	0.470	0.010	35.506	TRUE	4.83E-09
Overall asthma	FOXK1	cg05764847	rs7793919	T	C	0.355	0.023	0.416	7.99E-54	-0.024	0.010	0.015	0.061	238.460	TRUE	1.11E-50
Overall asthma	FOXK1	cg06287775	rs7781115	A	G	-0.212	0.023	0.424	2.00E-19	-0.026	0.010	0.007	0.021	81.199	TRUE	3.95E-18
Overall asthma	FOXK1	cg06660057	rs111416305	C	T	-0.276	0.042	0.083	4.55E-11	0.017	0.018	0.360	0.012	43.337	TRUE	1.12E-10
Overall asthma	FOXK1	cg06660057	rs113297525	C	T	-0.393	0.051	0.066	1.93E-14	0.008	0.020	0.690	0.016	58.570	TRUE	4.06E-14
Overall asthma	FOXK1	cg06660057	rs11973119	G	T	-0.555	0.047	0.073	1.32E-32	-0.013	0.021	0.510	0.037	141.323	TRUE	1.29E-31
Overall asthma	FOXK1	cg06660057	rs300538	G	A	-0.154	0.027	0.265	8.61E-09	-0.005	0.011	0.670	0.009	33.114	TRUE	1.36E-08

Overall asthma	FOXK1	cg06660057	rs35541996	T	C	-0.498	0.084	0.043	3.23E-09	0.000	0.025	1.000	0.009	35.019	TRUE	4.09E-09
Overall asthma	FOXK1	cg06660057	rs4540325	T	C	0.161	0.024	0.383	4.17E-11	-0.021	0.010	0.030	0.012	43.509	TRUE	2.19E-10
Overall asthma	FOXK1	cg06660057	rs62452116	A	C	-0.344	0.035	0.126	2.27E-23	0.012	0.014	0.390	0.026	99.159	TRUE	1.30E-22
Overall asthma	FOXK1	cg06660057	rs79255073	G	A	-0.729	0.116	0.023	3.04E-10	0.042	0.035	0.230	0.011	39.625	TRUE	8.28E-10
Overall asthma	FOXK1	cg06846441	rs3087749	T	G	-0.300	0.023	0.491	5.49E-38	0.032	0.010	8.80E-04	0.043	165.924	TRUE	2.36E-35
Overall asthma	FOXK1	cg07044458	rs4132809	G	A	-0.163	0.024	0.385	1.68E-11	-0.018	0.010	0.075	0.012	45.284	TRUE	7.58E-11
Overall asthma	FOXK1	cg09281805	rs10228886	G	A	0.212	0.024	0.486	2.47E-19	0.028	0.010	0.003	0.021	80.781	TRUE	6.04E-18
Overall asthma	FOXK1	cg09281805	rs10271158	G	A	-0.312	0.027	0.248	8.99E-32	0.004	0.011	0.740	0.036	137.509	TRUE	5.92E-31
Overall asthma	FOXK1	cg09281805	rs112649083	C	G	-0.608	0.110	0.011	3.55E-08	-0.031	0.042	0.460	0.008	30.364	TRUE	6.43E-08
Overall asthma	FOXK1	cg09281805	rs12701865	G	T	-1.007	0.018	0.343	<1E-200	-0.020	0.010	0.050	0.455	3086.189	TRUE	<1E-200
Overall asthma	FOXK1	cg09281805	rs28476654	T	A	-0.680	0.095	0.030	6.85E-13	-0.019	0.026	0.460	0.014	51.559	TRUE	1.66E-12
Overall asthma	FOXK1	cg09281805	rs4720386	G	T	0.391	0.050	0.115	9.89E-15	-0.013	0.014	0.350	0.016	59.886	TRUE	3.13E-14
Overall asthma	FOXK1	cg09281805	rs62450817	G	A	-0.201	0.024	0.382	1.39E-16	-0.005	0.010	0.610	0.018	68.286	TRUE	3.64E-16
Overall asthma	FOXK1	cg09281805	rs6463034	C	T	-0.344	0.038	0.132	1.59E-19	-0.018	0.014	0.190	0.022	81.645	TRUE	9.77E-19
Overall asthma	FOXK1	cg09281805	rs74766564	G	A	-0.662	0.098	0.014	1.34E-11	0.001	0.036	0.990	0.012	45.733	TRUE	1.88E-11
Overall asthma	FOXK1	cg09281805	rs76666907	A	G	-0.927	0.061	0.081	6.38E-53	0.004	0.015	0.820	0.060	234.325	TRUE	3.11E-51
Overall asthma	FOXK1	cg09281805	rs7788807	C	T	-0.589	0.069	0.058	2.15E-17	-0.015	0.021	0.470	0.019	71.966	TRUE	6.94E-17
Overall asthma	FOXK1	cg09395443	rs62452134	A	G	-0.257	0.035	0.127	9.59E-14	0.011	0.014	0.440	0.015	55.419	TRUE	2.56E-13
Overall asthma	FOXK1	cg09395443	rs79357656	T	A	0.300	0.054	0.049	3.04E-08	-0.036	0.021	0.093	0.008	30.664	TRUE	9.29E-08
Overall asthma	FOXK1	cg09789173	rs62450856	A	G	0.272	0.035	0.128	4.73E-15	0.011	0.014	0.440	0.016	61.337	TRUE	1.38E-14
Overall asthma	FOXK1	cg09789173	rs6463014	T	C	-0.387	0.028	0.232	5.35E-44	-0.020	0.011	0.076	0.050	193.440	TRUE	7.78E-42
Overall asthma	FOXK1	cg09789173	rs74766197	T	G	-0.331	0.059	0.082	2.03E-08	0.003	0.018	0.860	0.008	31.447	TRUE	2.74E-08
Overall asthma	FOXK1	cg09789173	rs76666907	A	G	0.559	0.062	0.081	1.81E-19	0.004	0.015	0.820	0.022	81.394	TRUE	4.48E-19
Overall asthma	FOXK1	cg09789173	rs7793918	T	G	-0.830	0.020	0.410	<1E-200	-0.024	0.010	0.015	0.310	1662.875	TRUE	<1E-200
Overall asthma	FOXK1	cg10106935	rs113195187	C	T	-0.509	0.048	0.069	1.71E-26	-0.014	0.021	0.490	0.030	113.400	TRUE	1.05E-25
Overall asthma	FOXK1	cg10106935	rs113297525	C	T	-0.389	0.051	0.066	3.46E-14	0.008	0.020	0.690	0.015	57.421	TRUE	7.18E-14
Overall asthma	FOXK1	cg10106935	rs300538	G	A	-0.188	0.027	0.265	1.59E-12	-0.005	0.011	0.670	0.013	49.906	TRUE	3.05E-12
Overall asthma	FOXK1	cg10106935	rs35541996	T	C	-0.464	0.084	0.043	3.45E-08	0.000	0.025	1.000	0.008	30.417	TRUE	4.22E-08
Overall asthma	FOXK1	cg10106935	rs62452060	A	G	-0.292	0.034	0.129	2.01E-17	0.012	0.014	0.390	0.019	72.093	TRUE	7.32E-17
Overall asthma	FOXK1	cg10106935	rs62453200	G	C	0.145	0.024	0.391	2.01E-09	-0.019	0.010	0.046	0.010	35.941	TRUE	7.83E-09
Overall asthma	FOXK1	cg10106935	rs79255073	G	A	-0.681	0.116	0.023	4.17E-09	0.042	0.035	0.230	0.009	34.525	TRUE	1.04E-08
Overall asthma	FOXK1	cg10118545	rs7784748	T	C	-0.441	0.023	0.426	3.84E-81	-0.023	0.010	0.016	0.090	363.778	TRUE	4.64E-76
Overall asthma	FOXK1	cg10888348	rs113195187	C	T	-0.329	0.048	0.069	8.39E-12	-0.014	0.021	0.490	0.012	46.647	TRUE	1.82E-11
Overall asthma	FOXK1	cg10888348	rs62452140	T	G	-0.335	0.052	0.049	1.08E-10	-0.010	0.022	0.650	0.011	41.648	TRUE	1.90E-10
Overall asthma	FOXK1	cg10888348	rs76666907	A	G	0.372	0.062	0.081	2.46E-09	0.004	0.015	0.820	0.010	35.553	TRUE	3.57E-09
Overall asthma	FOXK1	cg10888348	rs7786525	A	C	-0.687	0.030	0.178	5.03E-118	-0.018	0.013	0.160	0.126	533.156	TRUE	1.88E-110
Overall asthma	FOXK1	cg13287553	rs7784748	T	C	-0.472	0.023	0.426	5.93E-94	-0.023	0.010	0.016	0.103	422.593	TRUE	8.89E-88
Overall asthma	FOXK1	cg13312702	rs149855606	A	G	-0.670	0.075	0.024	3.68E-19	0.015	0.027	0.580	0.021	79.992	TRUE	1.18E-18
Overall asthma	FOXK1	cg14582057	rs12701865	G	T	0.168	0.025	0.343	1.52E-11	-0.020	0.010	0.050	0.012	45.482	TRUE	7.63E-11
Overall asthma	FOXK1	cg14582057	rs6973046	G	A	-0.302	0.023	0.487	4.49E-38	0.031	0.010	0.001	0.043	166.327	TRUE	1.72E-35
Overall asthma	FOXK1	cg15176413	rs12701865	G	T	0.229	0.025	0.343	2.73E-20	-0.020	0.010	0.050	0.022	85.130	TRUE	3.33E-19
Overall asthma	FOXK1	cg15176413	rs6973046	G	A	-0.441	0.023	0.487	5.88E-81	0.031	0.010	0.001	0.089	362.930	TRUE	2.98E-75

Overall asthma	FOXK1	cg15176413	rs7788807	C	T	0.425	0.070	0.058	1.16E-09	-0.015	0.021	0.470	0.010	37.009	TRUE	2.28E-09
Overall asthma	FOXK1	cg18733230	rs7786525	A	C	-0.308	0.031	0.178	5.74E-24	-0.018	0.013	0.160	0.027	101.878	TRUE	5.72E-23
Overall asthma	FOXK1	cg19336198	rs62452150	T	C	-0.264	0.038	0.105	3.61E-12	0.016	0.016	0.290	0.013	48.301	TRUE	9.98E-12
Overall asthma	FOXK1	cg20349812	rs12701865	G	T	0.186	0.025	0.343	6.77E-14	-0.020	0.010	0.050	0.015	56.105	TRUE	4.31E-13
Overall asthma	FOXK1	cg20349812	rs6973046	G	A	-0.406	0.023	0.487	2.04E-68	0.031	0.010	0.001	0.076	305.380	TRUE	9.85E-64
Overall asthma	FOXK1	cg20349812	rs7788807	C	T	0.462	0.070	0.058	3.48E-11	-0.015	0.021	0.470	0.012	43.865	TRUE	7.48E-11
Overall asthma	FOXK1	cg22753962	rs111416305	C	T	-0.246	0.042	0.083	4.72E-09	0.017	0.018	0.360	0.009	34.284	TRUE	1.01E-08
Overall asthma	FOXK1	cg22753962	rs113297525	C	T	-0.348	0.051	0.066	1.35E-11	0.008	0.020	0.690	0.012	45.719	TRUE	2.43E-11
Overall asthma	FOXK1	cg22753962	rs11973119	G	T	-0.513	0.047	0.073	5.44E-28	-0.013	0.021	0.510	0.031	120.236	TRUE	3.59E-27
Overall asthma	FOXK1	cg22753962	rs13232425	T	C	-0.129	0.024	0.486	4.31E-08	0.030	0.010	0.002	0.008	29.988	TRUE	2.68E-07
Overall asthma	FOXK1	cg22753962	rs300538	G	A	-0.188	0.027	0.265	2.02E-12	-0.005	0.011	0.670	0.013	49.439	TRUE	3.84E-12
Overall asthma	FOXK1	cg22753962	rs35541996	T	C	-0.629	0.084	0.043	6.01E-14	0.000	0.025	1.000	0.015	56.337	TRUE	9.23E-14
Overall asthma	FOXK1	cg22753962	rs59864860	A	T	-0.347	0.034	0.135	3.47E-24	0.011	0.014	0.430	0.027	102.878	TRUE	1.98E-23
Overall asthma	FOXK1	cg23318967	rs6968957	G	A	-0.230	0.024	0.387	4.44E-22	-0.017	0.010	0.074	0.025	93.275	TRUE	5.19E-21
Overall asthma	FOXK1	cg23871697	rs12701943	C	T	0.252	0.040	0.096	4.86E-10	0.019	0.017	0.260	0.010	38.711	TRUE	1.24E-09
Overall asthma	FOXK1	cg23871697	rs3763381	T	C	0.159	0.023	0.495	1.22E-11	0.002	0.010	0.810	0.012	45.908	TRUE	1.99E-11
Overall asthma	FOXK1	cg26800803	rs12701865	G	T	0.193	0.025	0.343	6.31E-15	-0.020	0.010	0.050	0.016	60.770	TRUE	4.46E-14
Overall asthma	FOXK1	cg26800803	rs6973046	G	A	-0.379	0.023	0.487	1.31E-59	0.031	0.010	0.001	0.067	264.990	TRUE	1.37E-55
Overall asthma	FOXK2	cg01122847	rs149143300	T	C	-0.819	0.089	0.017	2.24E-20	0.076	0.039	0.050	0.023	85.523	TRUE	2.63E-19
Overall asthma	FOXK2	cg01122847	rs62079679	T	C	-0.550	0.058	0.045	5.50E-21	0.015	0.023	0.520	0.023	88.298	TRUE	2.17E-20
Overall asthma	FOXK2	cg01483119	rs11869798	C	A	0.169	0.026	0.281	1.64E-10	-0.005	0.011	0.620	0.011	40.829	TRUE	2.92E-10
Overall asthma	FOXK2	cg01483119	rs149143300	T	C	-0.783	0.089	0.017	1.51E-18	0.076	0.039	0.050	0.020	77.199	TRUE	1.48E-17
Overall asthma	FOXK2	cg01483119	rs3752822	G	C	-0.285	0.030	0.178	8.25E-21	-0.008	0.013	0.560	0.023	87.495	TRUE	3.03E-20
Overall asthma	FOXK2	cg01483119	rs3794713	C	T	0.282	0.031	0.165	8.72E-20	0.008	0.012	0.510	0.022	82.834	TRUE	3.25E-19
Overall asthma	FOXK2	cg01483119	rs75794119	A	G	-0.482	0.058	0.044	5.86E-17	-0.009	0.024	0.700	0.019	69.987	TRUE	1.42E-16
Overall asthma	FOXK2	cg01483119	rs77037677	A	G	-0.670	0.050	0.055	4.19E-41	0.029	0.020	0.150	0.046	180.193	TRUE	2.67E-39
Overall asthma	FOXK2	cg01483119	rs78077159	G	C	-0.339	0.052	0.052	6.23E-11	0.005	0.022	0.840	0.011	42.723	TRUE	9.60E-11
Overall asthma	FOXK2	cg02094337	rs12452440	T	C	0.174	0.024	0.430	1.45E-13	-0.022	0.010	0.024	0.015	54.603	TRUE	1.08E-12
Overall asthma	FOXK2	cg02094337	rs4789705	C	G	0.209	0.036	0.127	3.91E-09	-0.002	0.014	0.890	0.009	34.649	TRUE	5.33E-09
Overall asthma	FOXK2	cg02116768	rs72852022	T	C	-0.207	0.030	0.203	2.65E-12	-0.016	0.012	0.180	0.013	48.908	TRUE	9.24E-12
Overall asthma	FOXK2	cg02796939	rs753569	T	G	-0.351	0.029	0.210	1.59E-33	-0.012	0.011	0.290	0.038	145.514	TRUE	2.91E-32
Overall asthma	FOXK2	cg02796939	rs78165269	C	G	0.215	0.025	0.304	2.15E-17	-0.006	0.010	0.570	0.019	71.965	TRUE	6.28E-17
Overall asthma	FOXK2	cg03238119	rs4789817	G	A	0.151	0.025	0.355	6.63E-10	0.001	0.010	0.900	0.010	38.107	TRUE	9.23E-10
Overall asthma	FOXK2	cg03238119	rs79150306	T	A	-0.275	0.050	0.055	4.40E-08	0.030	0.020	0.130	0.008	29.950	TRUE	1.18E-07
Overall asthma	FOXK2	cg04381393	rs113425960	T	G	-2.006	0.162	0.013	3.69E-35	0.046	0.044	0.300	0.040	152.993	TRUE	7.54E-34
Overall asthma	FOXK2	cg04381393	rs117895336	A	G	-0.386	0.061	0.042	3.31E-10	-0.013	0.025	0.610	0.011	39.460	TRUE	5.96E-10
Overall asthma	FOXK2	cg04800768	rs1387545	T	C	-0.322	0.032	0.389	3.20E-23	-0.003	0.010	0.800	0.026	98.479	TRUE	1.03E-22
Overall asthma	FOXK2	cg04800768	rs17885612	G	C	-0.142	0.025	0.289	2.45E-08	-0.008	0.011	0.480	0.008	31.086	TRUE	4.34E-08
Overall asthma	FOXK2	cg04800768	rs78106158	G	C	-0.374	0.051	0.063	1.45E-13	-0.001	0.017	0.960	0.015	54.602	TRUE	2.26E-13
Overall asthma	FOXK2	cg05331763	rs112974026	A	G	0.336	0.032	0.151	2.61E-26	0.006	0.015	0.690	0.030	112.564	TRUE	1.19E-25
Overall asthma	FOXK2	cg05331763	rs11652501	G	C	0.479	0.024	0.362	1.52E-91	-0.026	0.010	0.009	0.100	411.535	TRUE	2.04E-85
Overall asthma	FOXK2	cg05331763	rs117542937	T	C	-0.476	0.074	0.024	1.01E-10	0.016	0.028	0.560	0.011	41.782	TRUE	1.93E-10

Overall asthma	FOXK2	cg05331763	rs144288267	C	T	-0.364	0.053	0.046	5.04E-12	-0.010	0.021	0.650	0.013	47.647	TRUE	9.66E-12
Overall asthma	FOXK2	cg05331763	rs4789817	G	A	-0.191	0.024	0.355	5.97E-15	0.001	0.010	0.900	0.016	60.880	TRUE	1.05E-14
Overall asthma	FOXK2	cg05331763	rs73371707	A	G	0.404	0.072	0.061	1.70E-08	-0.028	0.018	0.110	0.009	31.797	TRUE	4.88E-08
Overall asthma	FOXK2	cg05331763	rs9905533	T	C	-1.113	0.036	0.108	1.23E-215	0.010	0.016	0.550	0.210	981.827	TRUE	2.47E-196
Overall asthma	FOXK2	cg05331763	rs9911222	T	C	-1.115	0.025	0.173	<1E-200	0.015	0.013	0.240	0.353	2017.296	TRUE	<1E-200
Overall asthma	FOXK2	cg05578865	rs116857425	T	C	0.481	0.081	0.020	2.48E-09	0.016	0.035	0.650	0.010	35.537	TRUE	4.10E-09
Overall asthma	FOXK2	cg05578865	rs117252262	T	C	-0.546	0.087	0.020	3.20E-10	0.007	0.032	0.830	0.011	39.528	TRUE	4.80E-10
Overall asthma	FOXK2	cg05578865	rs12150524	A	G	-0.331	0.051	0.054	5.86E-11	0.030	0.020	0.130	0.011	42.845	TRUE	2.03E-10
Overall asthma	FOXK2	cg05578865	rs12936476	T	C	-0.178	0.024	0.476	5.67E-14	0.000	0.010	0.970	0.015	56.451	TRUE	8.95E-14
Overall asthma	FOXK2	cg05578865	rs12948621	C	A	-0.238	0.024	0.379	5.16E-23	0.009	0.010	0.380	0.026	97.533	TRUE	2.96E-22
Overall asthma	FOXK2	cg05578865	rs148600435	A	G	-0.548	0.091	0.017	1.48E-09	-0.011	0.027	0.680	0.010	36.544	TRUE	2.40E-09
Overall asthma	FOXK2	cg05578865	rs34509144	A	T	-0.372	0.060	0.045	5.93E-10	0.003	0.023	0.890	0.010	38.323	TRUE	8.38E-10
Overall asthma	FOXK2	cg05578865	rs3794713	C	T	-0.665	0.030	0.165	7.11E-108	0.008	0.012	0.510	0.116	486.529	TRUE	6.50E-102
Overall asthma	FOXK2	cg05578865	rs60966564	A	G	0.521	0.029	0.212	1.02E-73	-0.009	0.012	0.480	0.082	329.710	TRUE	1.86E-70
Overall asthma	FOXK2	cg05578865	rs73357180	C	T	0.382	0.034	0.134	1.22E-28	0.007	0.014	0.620	0.032	123.199	TRUE	7.44E-28
Overall asthma	FOXK2	cg05578865	rs74001784	T	C	0.289	0.053	0.050	3.84E-08	0.006	0.023	0.790	0.008	30.211	TRUE	5.38E-08
Overall asthma	FOXK2	cg05578865	rs77256703	G	A	-0.777	0.020	0.441	<1E-200	0.005	0.010	0.580	0.285	1474.022	TRUE	1.17E-283
Overall asthma	FOXK2	cg05578865	rs79233685	T	G	0.207	0.036	0.115	8.04E-09	-0.009	0.015	0.550	0.009	33.248	TRUE	1.40E-08
Overall asthma	FOXK2	cg05578865	rs8067360	C	T	0.203	0.024	0.455	1.01E-17	0.006	0.010	0.550	0.019	73.446	TRUE	3.04E-17
Overall asthma	FOXK2	cg05578865	rs8069795	C	A	-0.150	0.027	0.261	1.98E-08	0.000	0.011	0.980	0.008	31.497	TRUE	2.46E-08
Overall asthma	FOXK2	cg05578865	rs8074423	T	C	0.140	0.025	0.343	1.43E-08	-0.006	0.010	0.540	0.009	32.134	TRUE	2.47E-08
Overall asthma	FOXK2	cg05578865	rs9891087	A	G	0.429	0.049	0.061	2.78E-18	0.001	0.021	0.980	0.020	76.001	TRUE	5.39E-18
Overall asthma	FOXK2	cg05580415	rs11654159	T	C	-0.209	0.032	0.162	6.30E-11	0.009	0.013	0.470	0.011	42.702	TRUE	1.33E-10
Overall asthma	FOXK2	cg05580415	rs117039631	T	C	-0.544	0.086	0.019	2.65E-10	0.018	0.032	0.570	0.011	39.894	TRUE	4.93E-10
Overall asthma	FOXK2	cg05580415	rs117477450	G	C	-0.431	0.079	0.025	4.60E-08	0.035	0.032	0.270	0.008	29.862	TRUE	9.97E-08
Overall asthma	FOXK2	cg05580415	rs12150313	G	T	-0.288	0.050	0.055	1.10E-08	0.030	0.020	0.130	0.009	32.633	TRUE	3.13E-08
Overall asthma	FOXK2	cg05580415	rs12948621	C	A	-0.299	0.024	0.379	7.10E-36	0.009	0.010	0.380	0.041	156.266	TRUE	1.30E-34
Overall asthma	FOXK2	cg05580415	rs148600435	A	G	-0.520	0.091	0.017	9.68E-09	-0.011	0.027	0.680	0.009	32.887	TRUE	1.51E-08
Overall asthma	FOXK2	cg05580415	rs2279393	G	A	0.406	0.033	0.155	1.30E-35	0.004	0.013	0.760	0.040	155.057	TRUE	1.17E-34
Overall asthma	FOXK2	cg05580415	rs2635417	A	C	-0.205	0.023	0.498	2.20E-18	-0.005	0.010	0.630	0.020	76.460	TRUE	6.29E-18
Overall asthma	FOXK2	cg05580415	rs376385266	A	G	-0.190	0.027	0.243	2.79E-12	-0.013	0.011	0.250	0.013	48.803	TRUE	8.79E-12
Overall asthma	FOXK2	cg05580415	rs3794713	C	T	-0.641	0.030	0.165	5.73E-100	0.008	0.012	0.510	0.109	450.214	TRUE	1.05E-94
Overall asthma	FOXK2	cg05580415	rs60966564	A	G	0.275	0.029	0.212	4.61E-21	-0.009	0.012	0.480	0.023	88.646	TRUE	1.94E-20
Overall asthma	FOXK2	cg05580415	rs62079682	A	G	-0.330	0.060	0.045	3.64E-08	0.004	0.023	0.860	0.008	30.316	TRUE	4.88E-08
Overall asthma	FOXK2	cg05580415	rs7217917	T	C	-0.142	0.024	0.472	2.09E-09	-0.002	0.010	0.820	0.010	35.867	TRUE	3.03E-09
Overall asthma	FOXK2	cg05580415	rs7406537	A	G	0.170	0.024	0.440	4.56E-13	0.003	0.010	0.730	0.014	52.356	TRUE	8.61E-13
Overall asthma	FOXK2	cg05580415	rs77256703	G	A	-0.762	0.020	0.441	<1E-200	0.005	0.010	0.580	0.278	1427.753	TRUE	1.06E-275
Overall asthma	FOXK2	cg05580415	rs79989195	T	C	0.430	0.057	0.036	7.32E-14	-0.025	0.024	0.280	0.015	55.949	TRUE	2.36E-13
Overall asthma	FOXK2	cg05580415	rs9891087	A	G	0.337	0.049	0.061	7.85E-12	0.001	0.021	0.980	0.012	46.778	TRUE	1.12E-11
Overall asthma	FOXK2	cg05580415	rs9916861	T	C	0.166	0.030	0.208	2.06E-08	0.029	0.012	0.017	0.008	31.418	TRUE	9.29E-08
Overall asthma	FOXK2	cg07539709	rs72852022	T	C	-0.293	0.029	0.203	2.27E-23	-0.016	0.012	0.180	0.026	99.162	TRUE	2.03E-22
Overall asthma	FOXK2	cg07539709	rs78165269	C	G	0.189	0.025	0.304	6.74E-14	-0.006	0.010	0.570	0.015	56.113	TRUE	1.58E-13

Overall asthma	FOXK2	cg08848988	rs3794713	C	T	-0.399	0.031	0.165	1.47E-38	0.008	0.012	0.510	0.044	168.542	TRUE	2.75E-37
Overall asthma	FOXK2	cg10255544	rs3829565	G	C	-0.674	0.038	0.101	4.97E-69	0.007	0.016	0.670	0.077	308.195	TRUE	2.73E-66
Overall asthma	FOXK2	cg10255544	rs6502119	C	T	0.252	0.024	0.367	1.45E-25	-0.032	0.010	0.001	0.029	109.171	TRUE	9.84E-24
Overall asthma	FOXK2	cg10460657	rs8074559	G	A	0.296	0.048	0.150	9.51E-10	-0.012	0.014	0.390	0.010	37.402	TRUE	2.04E-09
Overall asthma	FOXK2	cg10460657	rs9788998	G	A	0.266	0.023	0.463	7.54E-30	0.009	0.010	0.340	0.034	128.719	TRUE	8.37E-29
Overall asthma	FOXK2	cg11779900	rs118072068	T	A	-0.548	0.087	0.022	3.03E-10	0.003	0.031	0.920	0.011	39.635	TRUE	4.23E-10
Overall asthma	FOXK2	cg11779900	rs146599866	T	C	-0.930	0.024	0.242	<1E-200	0.021	0.011	0.064	0.286	1484.276	TRUE	2.12E-283
Overall asthma	FOXK2	cg11779900	rs62078078	T	C	0.309	0.028	0.228	2.99E-29	0.013	0.012	0.270	0.033	125.988	TRUE	3.59E-28
Overall asthma	FOXK2	cg11779900	rs79589817	T	C	-0.210	0.038	0.134	2.48E-08	-0.012	0.014	0.410	0.008	31.058	TRUE	4.84E-08
Overall asthma	FOXK2	cg11779900	rs9911222	T	C	0.219	0.031	0.173	1.60E-12	0.015	0.013	0.240	0.013	49.893	TRUE	5.04E-12
Overall asthma	FOXK2	cg11779900	rs9916019	C	A	0.305	0.038	0.107	8.33E-16	0.010	0.016	0.560	0.017	64.755	TRUE	2.20E-15
Overall asthma	FOXK2	cg14173033	rs140709442	A	G	-0.644	0.114	0.013	1.46E-08	0.026	0.037	0.490	0.009	32.084	TRUE	2.66E-08
Overall asthma	FOXK2	cg14173033	rs72852022	T	C	-0.256	0.030	0.203	4.39E-18	-0.016	0.012	0.180	0.020	75.096	TRUE	2.48E-17
Overall asthma	FOXK2	cg14173033	rs78165269	C	G	0.156	0.025	0.304	7.22E-10	-0.006	0.010	0.570	0.010	37.940	TRUE	1.33E-09
Overall asthma	FOXK2	cg14587273	rs1007494	A	G	-0.145	0.025	0.323	3.84E-09	-0.014	0.010	0.180	0.009	34.684	TRUE	1.07E-08
Overall asthma	FOXK2	cg14587273	rs11656597	A	G	-0.182	0.028	0.221	1.24E-10	0.011	0.011	0.340	0.011	41.372	TRUE	3.08E-10
Overall asthma	FOXK2	cg14587273	rs28708773	T	G	-1.583	0.065	0.034	8.30E-130	-0.008	0.026	0.750	0.137	587.291	TRUE	4.80E-122
Overall asthma	FOXK2	cg14587273	rs56080345	T	A	-0.270	0.028	0.241	1.29E-22	-0.015	0.011	0.180	0.025	95.711	TRUE	1.12E-21
Overall asthma	FOXK2	cg14587273	rs71376548	T	C	-0.454	0.053	0.051	8.41E-18	-0.019	0.021	0.360	0.020	73.815	TRUE	3.27E-17
Overall asthma	FOXK2	cg14674306	rs12950772	G	A	0.319	0.026	0.269	2.92E-34	0.000	0.011	1.000	0.039	148.883	TRUE	1.63E-33
Overall asthma	FOXK2	cg14674306	rs201699120	A	T	-0.187	0.030	0.204	3.47E-10	-0.015	0.012	0.190	0.011	39.369	TRUE	9.68E-10
Overall asthma	FOXK2	cg15292356	rs111946258	G	A	0.269	0.030	0.196	1.09E-19	0.005	0.012	0.690	0.022	82.402	TRUE	3.12E-19
Overall asthma	FOXK2	cg15292356	rs11651812	A	G	-0.675	0.023	0.338	1.93E-181	0.000	0.010	1.000	0.182	824.607	TRUE	7.75E-168
Overall asthma	FOXK2	cg15292356	rs117959151	G	A	-0.878	0.129	0.018	1.17E-11	-0.022	0.032	0.480	0.012	45.997	TRUE	2.55E-11
Overall asthma	FOXK2	cg15292356	rs118100209	A	G	-0.414	0.061	0.044	1.46E-11	0.011	0.023	0.620	0.012	45.559	TRUE	2.76E-11
Overall asthma	FOXK2	cg15292356	rs2279394	A	G	-0.276	0.026	0.275	1.61E-26	-0.013	0.011	0.210	0.030	113.515	TRUE	1.67E-25
Overall asthma	FOXK2	cg15292356	rs3752822	G	C	0.297	0.030	0.178	1.34E-22	-0.008	0.013	0.560	0.025	95.641	TRUE	5.62E-22
Overall asthma	FOXK2	cg15292356	rs630945	G	A	0.219	0.024	0.449	4.03E-20	0.004	0.010	0.700	0.022	84.360	TRUE	1.19E-19
Overall asthma	FOXK2	cg15292356	rs79989195	T	C	-0.355	0.058	0.036	7.08E-10	-0.025	0.024	0.280	0.010	37.979	TRUE	1.70E-09
Overall asthma	FOXK2	cg15292356	rs8082615	G	C	0.239	0.029	0.192	4.43E-16	0.013	0.012	0.260	0.018	66.001	TRUE	1.74E-15
Overall asthma	FOXK2	cg15292356	rs9890099	T	G	-0.185	0.028	0.235	6.92E-11	0.028	0.012	0.017	0.011	42.517	TRUE	3.98E-10
Overall asthma	FOXK2	cg15349696	rs72852022	T	C	-0.291	0.029	0.203	5.09E-23	-0.016	0.012	0.180	0.026	97.558	TRUE	4.43E-22
Overall asthma	FOXK2	cg15349696	rs78165269	C	G	0.175	0.025	0.304	5.37E-12	-0.006	0.010	0.570	0.013	47.520	TRUE	1.12E-11
Overall asthma	FOXK2	cg16375265	rs11650031	T	C	-0.199	0.036	0.109	2.94E-08	0.002	0.015	0.910	0.008	30.728	TRUE	3.82E-08
Overall asthma	FOXK2	cg16375265	rs117252262	T	C	-0.545	0.087	0.020	3.36E-10	0.007	0.032	0.830	0.011	39.432	TRUE	5.04E-10
Overall asthma	FOXK2	cg16375265	rs12936476	T	C	-0.143	0.024	0.476	1.45E-09	0.000	0.010	0.970	0.010	36.580	TRUE	1.90E-09
Overall asthma	FOXK2	cg16375265	rs12948621	C	A	-0.223	0.024	0.379	1.73E-20	0.009	0.010	0.380	0.023	86.027	TRUE	8.15E-20
Overall asthma	FOXK2	cg16375265	rs2279393	G	A	0.240	0.033	0.155	2.50E-13	0.004	0.013	0.760	0.014	53.534	TRUE	4.64E-13
Overall asthma	FOXK2	cg16375265	rs2635417	A	C	-0.176	0.023	0.498	6.52E-14	-0.005	0.010	0.630	0.015	56.177	TRUE	1.42E-13
Overall asthma	FOXK2	cg16375265	rs3794713	C	T	-0.606	0.030	0.165	4.92E-89	0.008	0.012	0.510	0.098	400.006	TRUE	1.13E-84
Overall asthma	FOXK2	cg16375265	rs60966564	A	G	0.305	0.029	0.212	1.25E-25	-0.009	0.012	0.480	0.029	109.460	TRUE	7.50E-25
Overall asthma	FOXK2	cg16375265	rs72851958	C	A	-0.154	0.027	0.242	1.45E-08	-0.008	0.011	0.490	0.009	32.102	TRUE	2.63E-08

Overall asthma	FOXK2	cg16375265	rs77256703	G	A	-0.556	0.023	0.441	1.66E-133	0.005	0.010	0.580	0.140	604.292	TRUE	4.09E-125
Overall asthma	FOXK2	cg16375265	rs9891087	A	G	0.286	0.049	0.061	6.36E-09	0.001	0.021	0.980	0.009	33.704	TRUE	8.08E-09
Overall asthma	FOXK2	cg16755922	rs72859192	C	T	-0.321	0.023	0.471	1.29E-43	0.025	0.010	0.010	0.049	191.694	TRUE	4.76E-41
Overall asthma	FOXK2	cg16755922	rs80014614	A	G	0.449	0.050	0.060	2.49E-19	0.014	0.021	0.510	0.021	80.761	TRUE	8.87E-19
Overall asthma	FOXK2	cg16755922	rs878823	T	C	0.512	0.028	0.211	5.72E-73	0.010	0.012	0.410	0.081	326.268	TRUE	1.08E-69
Overall asthma	FOXK2	cg16755922	rs9911520	T	C	0.393	0.071	0.063	3.62E-08	-0.011	0.019	0.560	0.008	30.326	TRUE	6.02E-08
Overall asthma	FOXK2	cg18128058	rs142226247	A	G	0.369	0.057	0.046	1.23E-10	0.011	0.023	0.640	0.011	41.391	TRUE	2.21E-10
Overall asthma	FOXK2	cg18128058	rs4789807	T	C	-0.322	0.030	0.200	2.00E-27	-0.009	0.012	0.440	0.031	117.657	TRUE	1.44E-26
Overall asthma	FOXK2	cg18128058	rs78165269	C	G	0.216	0.025	0.304	1.79E-17	-0.006	0.010	0.570	0.019	72.322	TRUE	5.27E-17
Overall asthma	FOXK2	cg20173014	rs12452440	T	C	0.261	0.023	0.430	8.92E-29	-0.022	0.010	0.024	0.032	123.820	TRUE	3.53E-27
Overall asthma	FOXK2	cg20710824	rs11869798	C	A	-0.215	0.026	0.281	1.23E-16	-0.005	0.011	0.620	0.018	68.522	TRUE	3.12E-16
Overall asthma	FOXK2	cg20710824	rs180743348	T	C	-0.167	0.029	0.182	1.45E-08	0.012	0.012	0.330	0.009	32.101	TRUE	3.10E-08
Overall asthma	FOXK2	cg20710824	rs8074559	G	A	0.297	0.048	0.150	8.48E-10	-0.012	0.014	0.390	0.010	37.626	TRUE	1.82E-09
Overall asthma	FOXK2	cg20710824	rs9788998	G	A	0.290	0.023	0.463	2.69E-36	0.009	0.010	0.340	0.041	158.193	TRUE	5.57E-35
Overall asthma	FOXK2	cg21093005	rs113987209	T	C	0.339	0.038	0.286	2.32E-19	-0.031	0.011	0.005	0.021	80.898	TRUE	5.12E-18
Overall asthma	FOXK2	cg21093005	rs4789803	T	C	-0.284	0.046	0.181	5.78E-10	0.004	0.013	0.740	0.010	38.373	TRUE	9.13E-10
Overall asthma	FOXK2	cg21093005	rs56075787	T	C	-0.172	0.028	0.235	7.48E-10	0.022	0.012	0.052	0.010	37.872	TRUE	2.86E-09
Overall asthma	FOXK2	cg21909206	rs3794713	C	T	-0.198	0.030	0.165	8.59E-11	0.008	0.012	0.510	0.011	42.095	TRUE	1.77E-10
Overall asthma	FOXK2	cg22582875	rs8076310	T	C	-0.267	0.029	0.209	3.12E-20	-0.013	0.011	0.250	0.022	84.866	TRUE	1.86E-19
Overall asthma	FOXK2	cg23628350	rs118027829	T	C	0.481	0.066	0.037	2.14E-13	0.001	0.026	0.960	0.014	53.847	TRUE	3.32E-13
Overall asthma	FOXK2	cg23628350	rs144288267	C	T	-0.341	0.053	0.046	9.81E-11	-0.010	0.021	0.650	0.011	41.837	TRUE	1.75E-10
Overall asthma	FOXK2	cg23628350	rs2085615	C	G	0.199	0.025	0.363	6.32E-16	-0.005	0.010	0.600	0.017	65.299	TRUE	1.60E-15
Overall asthma	FOXK2	cg23628350	rs2246563	T	C	0.164	0.024	0.412	6.53E-12	-0.004	0.010	0.670	0.013	47.137	TRUE	1.21E-11
Overall asthma	FOXK2	cg23628350	rs60966564	A	G	0.975	0.025	0.212	<1E-200	-0.009	0.012	0.480	0.289	1500.648	TRUE	5.55E-288
Overall asthma	FOXK2	cg23628350	rs62079673	T	C	0.556	0.023	0.417	9.03E-128	0.008	0.010	0.420	0.135	577.933	TRUE	9.70E-120
Overall asthma	FOXK2	cg23628350	rs66693031	A	G	0.546	0.055	0.049	1.40E-23	-0.015	0.023	0.540	0.026	100.120	TRUE	6.70E-23
Overall asthma	FOXK2	cg23628350	rs744991	G	C	-0.350	0.025	0.289	6.32E-43	-0.008	0.011	0.450	0.048	188.533	TRUE	1.94E-41
Overall asthma	FOXK2	cg23628350	rs74705920	A	G	0.527	0.053	0.050	2.51E-23	-0.014	0.022	0.530	0.026	98.956	TRUE	1.17E-22
Overall asthma	FOXK2	cg23628350	rs77256703	G	A	-0.259	0.023	0.441	1.90E-28	0.005	0.010	0.580	0.032	122.325	TRUE	1.22E-27
Overall asthma	FOXK2	cg23628350	rs9303032	G	A	0.137	0.024	0.440	6.93E-09	-0.007	0.010	0.450	0.009	33.537	TRUE	1.32E-08
Overall asthma	FOXK2	cg23628350	rs9893830	T	A	0.487	0.044	0.215	4.61E-29	-0.011	0.011	0.350	0.033	125.127	TRUE	4.98E-28
Overall asthma	FOXK2	cg23674202	rs113987209	T	C	0.318	0.038	0.286	3.11E-17	-0.031	0.011	0.005	0.019	71.235	TRUE	5.29E-16
Overall asthma	FOXK2	cg23674202	rs118072068	T	A	0.479	0.087	0.022	3.67E-08	0.003	0.031	0.920	0.008	30.299	TRUE	4.72E-08
Overall asthma	FOXK2	cg23674202	rs142507840	G	C	0.401	0.048	0.062	1.22E-16	0.015	0.020	0.470	0.018	68.540	TRUE	3.85E-16
Overall asthma	FOXK2	cg23674202	rs35083592	A	G	0.157	0.026	0.279	2.33E-09	0.007	0.011	0.500	0.010	35.661	TRUE	4.29E-09
Overall asthma	FOXK2	cg23674202	rs4789803	T	C	-0.421	0.045	0.181	2.24E-20	0.004	0.013	0.740	0.023	85.519	TRUE	6.35E-20
Overall asthma	FOXK2	cg23674202	rs8067257	A	G	-0.192	0.030	0.205	8.03E-11	0.024	0.012	0.046	0.011	42.228	TRUE	3.74E-10
Overall asthma	FOXK2	cg23765707	rs12600791	G	T	-0.315	0.051	0.055	4.56E-10	0.030	0.020	0.130	0.010	38.835	TRUE	1.46E-09
Overall asthma	FOXK2	cg23765707	rs144288267	C	T	-0.303	0.053	0.046	9.25E-09	-0.010	0.021	0.650	0.009	32.974	TRUE	1.49E-08
Overall asthma	FOXK2	cg23765707	rs149143300	T	C	-0.509	0.089	0.017	1.14E-08	0.076	0.039	0.050	0.009	32.576	TRUE	4.10E-08
Overall asthma	FOXK2	cg23765707	rs7220002	C	A	0.347	0.032	0.166	3.16E-28	-0.008	0.013	0.530	0.032	121.312	TRUE	2.17E-27
Overall asthma	FOXK2	cg24220178	rs113987209	T	C	0.484	0.037	0.286	8.75E-39	-0.031	0.011	0.005	0.044	169.576	TRUE	2.26E-36

Overall asthma	FOXK2	cg24220178	rs4789803	T	C	-0.461	0.045	0.181	3.01E-24	0.004	0.013	0.740	0.027	103.157	TRUE	1.11E-23
Overall asthma	FOXK2	cg24220178	rs56075787	T	C	-0.181	0.028	0.235	9.00E-11	0.022	0.012	0.052	0.011	42.005	TRUE	3.77E-10
Overall asthma	FOXK2	cg24537348	rs9271	A	G	-0.268	0.029	0.209	3.00E-20	-0.012	0.011	0.300	0.022	84.946	TRUE	1.65E-19
Overall asthma	FOXK2	cg24770256	rs3736207	C	T	-0.244	0.039	0.102	3.94E-10	0.008	0.016	0.620	0.010	39.123	TRUE	6.89E-10
Overall asthma	FOXK2	cg24793584	rs78165269	C	G	-0.153	0.025	0.304	8.92E-10	-0.006	0.010	0.570	0.010	37.528	TRUE	1.63E-09
Overall asthma	FOXK2	cg25009498	rs118027829	T	C	0.519	0.066	0.037	2.37E-15	0.001	0.026	0.960	0.017	62.697	TRUE	4.04E-15
Overall asthma	FOXK2	cg25009498	rs144288267	C	T	-0.359	0.053	0.046	1.02E-11	-0.010	0.021	0.650	0.012	46.263	TRUE	1.93E-11
Overall asthma	FOXK2	cg25009498	rs1870370	G	C	0.218	0.033	0.163	3.50E-11	-0.001	0.013	0.960	0.012	43.849	TRUE	4.93E-11
Overall asthma	FOXK2	cg25009498	rs2451198	G	A	0.302	0.028	0.244	9.86E-28	0.007	0.011	0.540	0.031	119.055	TRUE	6.42E-27
Overall asthma	FOXK2	cg25009498	rs60966564	A	G	1.001	0.025	0.212	<1E-200	-0.009	0.012	0.480	0.304	1619.313	TRUE	<1E-200
Overall asthma	FOXK2	cg25009498	rs62079673	T	C	0.598	0.023	0.417	2.79E-149	0.008	0.010	0.420	0.155	676.780	TRUE	7.44E-139
Overall asthma	FOXK2	cg25009498	rs72853019	A	G	1.036	0.104	0.027	1.81E-23	0.013	0.032	0.680	0.026	99.603	TRUE	6.83E-23
Overall asthma	FOXK2	cg25009498	rs744991	G	C	-0.370	0.025	0.289	5.86E-48	-0.008	0.011	0.450	0.054	211.582	TRUE	3.17E-46
Overall asthma	FOXK2	cg25009498	rs74705920	A	G	0.530	0.053	0.050	1.64E-23	-0.014	0.022	0.530	0.026	99.799	TRUE	7.72E-23
Overall asthma	FOXK2	cg25009498	rs77256703	G	A	-0.229	0.023	0.441	1.45E-22	0.005	0.010	0.580	0.025	95.481	TRUE	5.95E-22
Overall asthma	FOXK2	cg25009498	rs78483419	C	T	-0.188	0.031	0.179	1.26E-09	-0.001	0.013	0.930	0.010	36.860	TRUE	1.69E-09
Overall asthma	FOXK2	cg25009498	rs9893830	T	A	0.480	0.044	0.215	2.89E-28	-0.011	0.011	0.350	0.032	121.487	TRUE	2.90E-27
Overall asthma	FOXK2	cg26176014	rs140737552	T	C	0.191	0.027	0.246	2.55E-12	0.021	0.011	0.059	0.013	48.983	TRUE	1.30E-11
Overall asthma	FOXK2	cg26986438	rs9914081	T	C	0.267	0.038	0.280	2.49E-12	-0.031	0.011	0.004	0.013	49.026	TRUE	2.32E-11
Overall asthma	FOXK2	cg27450688	rs3794713	C	T	-0.197	0.030	0.165	9.48E-11	0.008	0.012	0.510	0.011	41.904	TRUE	1.95E-10
Overall asthma	FXN	cg01984237	rs2498436	G	A	0.179	0.026	0.297	2.30E-12	0.011	0.011	0.320	0.013	49.182	TRUE	6.46E-12
Overall asthma	FXN	cg01984237	rs3793458	A	G	-0.389	0.023	0.421	1.94E-61	-0.016	0.010	0.110	0.069	273.367	TRUE	2.46E-58
Overall asthma	FXN	cg01984237	rs79650993	C	A	0.299	0.053	0.048	1.36E-08	0.032	0.020	0.120	0.009	32.233	TRUE	4.03E-08
Overall asthma	FXN	cg02268013	rs144362640	A	C	0.237	0.041	0.086	6.97E-09	0.061	0.017	2.60E-04	0.009	33.526	TRUE	6.25E-08
Overall asthma	FXN	cg02268013	rs79702853	A	G	1.488	0.150	0.013	4.10E-23	0.021	0.032	0.500	0.026	97.987	TRUE	1.91E-22
Overall asthma	FXN	cg13859886	rs2498428	T	A	-0.245	0.026	0.268	1.29E-21	0.026	0.011	0.014	0.024	91.171	TRUE	2.49E-20
Overall asthma	FXN	cg13974534	rs11144892	G	A	0.261	0.030	0.184	2.18E-18	-0.005	0.012	0.660	0.020	76.476	TRUE	6.03E-18
Overall asthma	FXN	cg14656297	rs113196649	A	G	0.237	0.030	0.183	3.10E-15	-0.005	0.012	0.660	0.017	62.169	TRUE	7.05E-15
Overall asthma	FZD5	cg03851591	rs10165827	T	C	0.219	0.036	0.118	7.18E-10	0.011	0.015	0.470	0.010	37.951	TRUE	1.44E-09
Overall asthma	FZD5	cg03851591	rs13005485	A	G	-0.134	0.023	0.444	7.16E-09	0.012	0.010	0.220	0.009	33.473	TRUE	1.77E-08
Overall asthma	FZD5	cg03851591	rs41265963	T	C	-0.275	0.024	0.399	1.61E-31	0.004	0.010	0.720	0.036	136.353	TRUE	1.09E-30
Overall asthma	FZD5	cg05774672	rs35994626	A	G	0.599	0.063	0.081	1.32E-21	-0.010	0.018	0.570	0.024	91.120	TRUE	5.00E-21
Overall asthma	FZD5	cg05774672	rs57665068	T	C	-0.351	0.051	0.056	5.78E-12	0.013	0.024	0.580	0.013	47.377	TRUE	1.17E-11
Overall asthma	FZD5	cg14011663	rs11687552	T	C	0.936	0.019	0.370	<1E-200	0.003	0.010	0.750	0.402	2487.651	TRUE	<1E-200
Overall asthma	FZD5	cg14011663	rs11695190	T	C	-0.422	0.025	0.300	4.52E-65	0.000	0.011	1.000	0.073	290.031	TRUE	7.19E-63
Overall asthma	FZD5	cg14011663	rs13411341	G	C	0.339	0.062	0.035	4.41E-08	0.029	0.026	0.260	0.008	29.945	TRUE	9.68E-08
Overall asthma	FZD5	cg14011663	rs147748950	T	C	0.398	0.064	0.031	4.05E-10	-0.033	0.025	0.190	0.010	39.067	TRUE	1.17E-09
Overall asthma	FZD5	cg14011663	rs17203016	G	A	-0.203	0.029	0.200	4.83E-12	-0.012	0.012	0.300	0.013	47.727	TRUE	1.33E-11
Overall asthma	FZD5	cg14011663	rs17458775	T	G	0.216	0.036	0.378	1.70E-09	-0.003	0.010	0.730	0.010	36.276	TRUE	2.64E-09
Overall asthma	FZD5	cg14011663	rs2042484	T	C	0.205	0.024	0.422	1.25E-17	0.003	0.010	0.730	0.019	73.029	TRUE	3.06E-17
Overall asthma	FZD5	cg14011663	rs2551909	T	C	-0.499	0.042	0.081	4.13E-32	0.012	0.019	0.530	0.036	139.053	TRUE	3.93E-31
Overall asthma	FZD5	cg14011663	rs4234080	A	C	0.427	0.033	0.138	1.57E-37	0.002	0.013	0.870	0.042	163.836	TRUE	1.41E-36

Overall asthma	FZD5	cg14011663	rs56199150	G	C	-0.170	0.025	0.384	4.23E-12	0.005	0.010	0.640	0.013	47.991	TRUE	8.19E-12
Overall asthma	FZD5	cg14011663	rs62192787	T	G	-0.245	0.043	0.081	9.23E-09	0.025	0.018	0.160	0.009	32.979	TRUE	2.48E-08
Overall asthma	FZD5	cg14011663	rs66800874	C	G	-0.341	0.041	0.089	6.10E-17	-0.008	0.017	0.630	0.019	69.907	TRUE	1.59E-16
Overall asthma	FZD5	cg14011663	rs6747660	A	G	0.185	0.028	0.241	2.27E-11	0.012	0.011	0.270	0.012	44.695	TRUE	6.30E-11
Overall asthma	FZD5	cg14011663	rs74471859	T	A	-0.510	0.063	0.081	5.92E-16	-0.011	0.018	0.540	0.017	65.428	TRUE	1.60E-15
Overall asthma	FZD5	cg14011663	rs7582078	C	A	-0.309	0.032	0.458	4.06E-22	0.024	0.010	0.016	0.025	93.451	TRUE	8.77E-21
Overall asthma	FZD5	cg15262317	rs2363458	C	T	0.155	0.024	0.408	7.39E-11	0.019	0.010	0.044	0.011	42.390	TRUE	3.37E-10
Overall asthma	FZD5	cg15262317	rs2464981	A	T	-0.148	0.025	0.345	2.94E-09	-0.011	0.010	0.310	0.009	35.207	TRUE	6.98E-09
Overall asthma	FZD5	cg15262317	rs74471859	T	A	-0.596	0.063	0.081	2.32E-21	-0.011	0.018	0.540	0.024	90.004	TRUE	9.09E-21
Overall asthma	FZD5	cg15714846	rs57665068	T	C	-0.381	0.051	0.056	7.50E-14	0.013	0.024	0.580	0.015	55.903	TRUE	1.69E-13
Overall asthma	FZD5	cg15714846	rs74471859	T	A	0.672	0.063	0.081	6.22E-27	-0.011	0.018	0.540	0.030	115.406	TRUE	3.73E-26
Overall asthma	FZD5	cg16688437	rs2363458	C	T	0.179	0.024	0.408	4.05E-14	0.019	0.010	0.044	0.015	57.115	TRUE	2.56E-13
Overall asthma	FZD5	cg16688437	rs74471859	T	A	-0.378	0.063	0.081	2.23E-09	-0.011	0.018	0.540	0.010	35.738	TRUE	4.05E-09
Overall asthma	FZD5	cg19744498	rs35994626	A	G	1.306	0.059	0.081	1.01E-107	-0.010	0.018	0.570	0.116	485.838	TRUE	6.85E-102
Overall asthma	FZD5	cg19744498	rs55731465	A	C	-0.194	0.024	0.476	3.13E-16	0.008	0.010	0.400	0.018	66.683	TRUE	1.03E-15
Overall asthma	FZD5	cg19744498	rs60133051	T	C	0.207	0.034	0.136	1.66E-09	-0.008	0.014	0.570	0.010	36.315	TRUE	2.98E-09
Overall asthma	FZD5	cg19957162	rs35994626	A	G	1.207	0.060	0.081	3.12E-90	-0.010	0.018	0.570	0.099	405.508	TRUE	7.01E-86
Overall asthma	FZD5	cg19957162	rs55731465	A	C	-0.164	0.024	0.476	6.40E-12	0.008	0.010	0.400	0.013	47.178	TRUE	1.57E-11
Overall asthma	FZD5	cg19957162	rs57665068	T	C	-0.308	0.051	0.056	1.64E-09	0.013	0.024	0.580	0.010	36.343	TRUE	2.87E-09
Overall asthma	FZD5	cg19957162	rs60133051	T	C	0.227	0.034	0.136	3.62E-11	-0.008	0.014	0.570	0.012	43.788	TRUE	7.13E-11
Overall asthma	FZD5	cg19957162	rs6760444	G	A	0.139	0.024	0.386	7.98E-09	0.005	0.010	0.580	0.009	33.263	TRUE	1.35E-08
Overall asthma	FZD5	cg21100734	rs114966053	G	A	0.608	0.100	0.017	1.33E-09	-0.036	0.036	0.320	0.010	36.755	TRUE	3.05E-09
Overall asthma	FZD5	cg21100734	rs140492232	C	T	0.478	0.081	0.018	2.93E-09	0.044	0.033	0.180	0.009	35.212	TRUE	7.96E-09
Overall asthma	FZD5	cg21100734	rs17203016	G	A	-0.182	0.029	0.200	4.78E-10	-0.012	0.012	0.300	0.010	38.743	TRUE	1.14E-09
Overall asthma	FZD5	cg21100734	rs9784133	G	A	0.213	0.024	0.408	1.95E-19	0.003	0.010	0.730	0.021	81.249	TRUE	5.27E-19
Overall asthma	FZD5	cg25727806	rs41265963	T	C	0.247	0.024	0.399	3.37E-25	0.004	0.010	0.720	0.028	107.493	TRUE	1.39E-24
Overall asthma	GAB2	cg07780377	rs10793302	T	C	-0.269	0.032	0.150	8.77E-17	0.024	0.013	0.073	0.018	69.190	TRUE	6.64E-16
Overall asthma	GAB2	cg12700464	rs202186505	C	T	-0.178	0.032	0.149	3.75E-08	0.023	0.013	0.081	0.008	30.259	TRUE	1.17E-07
Overall asthma	GAB2	cg13226797	rs2063730	C	A	-0.201	0.031	0.177	4.58E-11	0.033	0.012	0.006	0.012	43.327	TRUE	3.47E-10
Overall asthma	GAB2	cg13319772	rs901105	C	A	-0.231	0.032	0.154	3.62E-13	0.015	0.013	0.260	0.014	52.811	TRUE	1.20E-12
Overall asthma	GAB2	cg24769381	rs112250420	A	T	-0.600	0.061	0.072	1.01E-22	0.013	0.020	0.510	0.025	96.204	TRUE	4.53E-22
Overall asthma	GAB2	cg24769381	rs11237557	C	A	0.298	0.049	0.064	1.66E-09	0.017	0.020	0.400	0.010	36.317	TRUE	3.48E-09
Overall asthma	GAB2	cg24769381	rs113602521	T	C	0.169	0.024	0.425	1.24E-12	0.011	0.010	0.270	0.013	50.402	TRUE	3.78E-12
Overall asthma	GAB2	cg24769381	rs12294627	A	C	-0.937	0.115	0.019	2.86E-16	0.019	0.035	0.590	0.018	66.863	TRUE	7.48E-16
Overall asthma	GAB2	cg24769381	rs12420296	C	T	-0.141	0.024	0.459	2.46E-09	0.006	0.010	0.510	0.010	35.554	TRUE	4.58E-09
Overall asthma	GAB2	cg24769381	rs1790246	A	G	-0.205	0.026	0.260	8.64E-15	0.016	0.011	0.140	0.016	60.151	TRUE	4.04E-14
Overall asthma	GAB2	cg24769381	rs189665771	T	C	-1.350	0.162	0.011	8.42E-17	0.024	0.043	0.580	0.018	69.270	TRUE	2.31E-16
Overall asthma	GAB2	cg24769381	rs2510044	A	G	-1.261	0.028	0.130	<1E-200	0.030	0.014	0.032	0.361	2092.313	TRUE	<1E-200
Overall asthma	GAB2	cg24769381	rs542392	A	T	0.175	0.029	0.222	1.11E-09	-0.008	0.011	0.500	0.010	37.094	TRUE	2.17E-09
Overall asthma	GAB2	cg24769381	rs683420	C	T	-0.584	0.089	0.036	6.10E-11	0.032	0.026	0.220	0.011	42.765	TRUE	1.79E-10
Overall asthma	GAB2	cg24769381	rs7125327	T	C	0.324	0.032	0.391	9.95E-24	-0.022	0.010	0.025	0.027	100.789	TRUE	2.23E-22
Overall asthma	GAB2	cg24769381	rs74862493	G	T	-0.530	0.040	0.098	1.97E-39	0.025	0.017	0.130	0.045	172.540	TRUE	1.06E-37

Overall asthma	GAB2	cg24769381	rs75268099	T	C	-1.275	0.090	0.019	6.51E-46	-0.024	0.031	0.440	0.052	202.212	TRUE	3.00E-44
Overall asthma	GAB2	cg24769381	rs977977	T	C	0.217	0.027	0.232	1.62E-15	-0.008	0.011	0.440	0.017	63.448	TRUE	4.75E-15
Overall asthma	GAB2	cg25414537	rs71471414	G	T	-0.433	0.045	0.180	1.49E-21	-0.020	0.013	0.120	0.024	90.875	TRUE	1.37E-20
Overall asthma	GAB2	cg25502267	rs2510031	C	T	-0.237	0.032	0.150	2.06E-13	0.023	0.013	0.075	0.014	53.918	TRUE	1.07E-12
Overall asthma	GAB2	cg26672202	rs113602521	T	C	-0.154	0.024	0.425	1.05E-10	0.011	0.010	0.270	0.011	41.704	TRUE	2.78E-10
Overall asthma	GAB2	cg26672202	rs117732488	G	A	0.542	0.099	0.015	4.93E-08	-0.037	0.036	0.290	0.008	29.728	TRUE	1.03E-07
Overall asthma	GAB2	cg26672202	rs1385601	C	A	0.886	0.031	0.150	2.14E-179	0.021	0.013	0.120	0.181	815.206	TRUE	3.13E-164
Overall asthma	GAB2	cg26672202	rs189665771	T	C	1.073	0.163	0.011	4.24E-11	0.024	0.043	0.580	0.012	43.474	TRUE	8.23E-11
Overall asthma	GAB2	cg26672202	rs7125563	A	G	-0.161	0.026	0.278	5.19E-10	-0.009	0.010	0.390	0.010	38.584	TRUE	1.15E-09
Overall asthma	GAB2	cg26672202	rs79023139	C	A	0.329	0.040	0.102	1.27E-16	0.012	0.016	0.460	0.018	68.463	TRUE	4.00E-16
Overall asthma	GALNS	cg00073650	rs12102389	A	G	-1.041	0.087	0.021	9.35E-33	-0.034	0.030	0.260	0.037	142.001	TRUE	1.66E-31
Overall asthma	GALNS	cg00086334	rs11648295	T	G	-0.414	0.049	0.125	1.66E-17	-0.029	0.014	0.044	0.019	72.471	TRUE	1.61E-16
Overall asthma	GALNS	cg00086334	rs78408219	A	T	-0.260	0.043	0.084	2.09E-09	0.004	0.017	0.840	0.010	35.872	TRUE	2.99E-09
Overall asthma	GALNS	cg00230183	rs1064315	A	G	-0.251	0.027	0.256	3.77E-20	-0.023	0.011	0.039	0.022	84.491	TRUE	4.90E-19
Overall asthma	GALNS	cg00230183	rs112999834	T	A	0.240	0.041	0.100	6.35E-09	-0.003	0.016	0.860	0.009	33.707	TRUE	8.74E-09
Overall asthma	GALNS	cg00230183	rs116932393	T	A	-1.039	0.104	0.015	1.35E-23	-0.030	0.037	0.420	0.026	100.191	TRUE	7.53E-23
Overall asthma	GALNS	cg00230183	rs12102389	A	G	1.013	0.088	0.021	1.42E-30	-0.034	0.030	0.260	0.034	132.027	TRUE	2.04E-29
Overall asthma	GALNS	cg00230183	rs533581	C	T	0.161	0.024	0.398	1.17E-11	0.035	0.010	3.10E-04	0.012	46.000	TRUE	1.60E-10
Overall asthma	GALNS	cg01241798	rs11640595	T	C	-1.126	0.061	0.042	1.54E-75	-0.074	0.026	0.004	0.084	338.063	TRUE	1.43E-70
Overall asthma	GALNS	cg01241798	rs12931849	C	T	-0.301	0.029	0.206	1.81E-24	0.001	0.012	0.930	0.027	104.165	TRUE	5.35E-24
Overall asthma	GALNS	cg01241798	rs12933643	T	C	-0.533	0.089	0.034	2.32E-09	0.019	0.024	0.440	0.010	35.666	TRUE	4.66E-09
Overall asthma	GALNS	cg01241798	rs13306296	A	G	-0.150	0.024	0.361	7.20E-10	-0.006	0.010	0.560	0.010	37.946	TRUE	1.31E-09
Overall asthma	GALNS	cg01241798	rs147668693	A	G	0.475	0.056	0.049	2.60E-17	-0.060	0.022	0.006	0.019	71.585	TRUE	4.17E-16
Overall asthma	GALNS	cg01241798	rs154663	T	C	-0.359	0.041	0.101	9.35E-19	-0.017	0.016	0.310	0.021	78.149	TRUE	4.46E-18
Overall asthma	GALNS	cg01241798	rs1646235	C	T	-0.235	0.041	0.200	1.26E-08	-0.017	0.012	0.170	0.009	32.380	TRUE	3.39E-08
Overall asthma	GALNS	cg01241798	rs2269333	G	A	-0.733	0.025	0.288	3.15E-189	-0.022	0.011	0.043	0.189	860.408	TRUE	3.17E-172
Overall asthma	GALNS	cg01241798	rs258336	T	G	0.175	0.024	0.459	1.41E-13	-0.015	0.010	0.110	0.015	54.658	TRUE	6.50E-13
Overall asthma	GALNS	cg01241798	rs2879898	T	C	-0.256	0.025	0.352	5.34E-25	0.015	0.010	0.130	0.028	106.580	TRUE	6.55E-24
Overall asthma	GALNS	cg01241798	rs34536643	G	A	-0.833	0.117	0.021	1.28E-12	-0.033	0.035	0.340	0.013	50.329	TRUE	3.53E-12
Overall asthma	GALNS	cg01241798	rs4782469	A	G	0.182	0.029	0.228	3.42E-10	-0.034	0.011	0.003	0.011	39.399	TRUE	2.83E-09
Overall asthma	GALNS	cg01241798	rs4785639	A	G	-0.201	0.030	0.201	1.06E-11	0.000	0.012	1.000	0.012	46.183	TRUE	1.48E-11
Overall asthma	GALNS	cg01241798	rs4785645	G	A	-0.185	0.027	0.256	3.77E-12	-0.011	0.011	0.320	0.013	48.214	TRUE	1.04E-11
Overall asthma	GALNS	cg01241798	rs563013384	T	C	-1.170	0.090	0.030	8.62E-39	-0.005	0.027	0.850	0.044	169.604	TRUE	8.96E-38
Overall asthma	GALNS	cg01241798	rs6500516	C	T	-0.245	0.027	0.272	8.06E-20	0.017	0.011	0.110	0.022	82.990	TRUE	6.34E-19
Overall asthma	GALNS	cg01241798	rs7186902	A	C	-0.169	0.030	0.181	2.69E-08	-0.034	0.013	0.008	0.008	30.903	TRUE	1.32E-07
Overall asthma	GALNS	cg01241798	rs7188277	C	T	-0.236	0.031	0.181	2.24E-14	0.013	0.013	0.290	0.016	58.278	TRUE	7.28E-14
Overall asthma	GALNS	cg01241798	rs7205379	G	A	-0.548	0.041	0.190	1.02E-41	-0.024	0.012	0.043	0.047	182.998	TRUE	1.41E-39
Overall asthma	GALNS	cg01241798	rs72631429	T	C	-0.271	0.028	0.224	1.22E-21	0.005	0.012	0.700	0.024	91.278	TRUE	3.93E-21
Overall asthma	GALNS	cg01241798	rs72809428	A	G	-0.192	0.031	0.181	5.76E-10	0.004	0.013	0.750	0.010	38.380	TRUE	9.05E-10
Overall asthma	GALNS	cg01241798	rs72809455	C	A	-0.217	0.039	0.102	3.31E-08	-0.043	0.015	0.004	0.008	30.500	TRUE	1.83E-07
Overall asthma	GALNS	cg01241798	rs8050636	T	C	0.227	0.032	0.162	7.08E-13	0.020	0.013	0.120	0.014	51.493	TRUE	2.98E-12
Overall asthma	GALNS	cg01686522	rs111616786	A	G	0.402	0.049	0.062	3.92E-16	-0.042	0.018	0.022	0.018	66.240	TRUE	4.04E-15

Overall asthma	GALNS	cg01686522	rs112999834	T	A	-0.662	0.041	0.100	2.31E-59	-0.003	0.016	0.860	0.067	263.855	TRUE	2.25E-57
Overall asthma	GALNS	cg01686522	rs11648295	T	G	-0.307	0.049	0.125	3.71E-10	-0.029	0.014	0.044	0.010	39.239	TRUE	1.68E-09
Overall asthma	GALNS	cg01686522	rs118132614	C	T	0.336	0.056	0.046	2.75E-09	0.016	0.021	0.460	0.009	35.334	TRUE	5.41E-09
Overall asthma	GALNS	cg01686522	rs2242171	C	T	-0.197	0.024	0.397	1.26E-16	0.004	0.010	0.710	0.018	68.476	TRUE	2.96E-16
Overall asthma	GALNS	cg01686522	rs35137494	A	G	0.729	0.031	0.160	1.26E-122	-0.009	0.013	0.500	0.130	554.301	TRUE	2.86E-115
Overall asthma	GALNS	cg01686522	rs480474	C	T	-0.476	0.065	0.078	2.49E-13	0.031	0.019	0.095	0.014	53.542	TRUE	1.16E-12
Overall asthma	GALNS	cg01686522	rs80304559	A	G	0.224	0.038	0.105	3.08E-09	-0.020	0.015	0.190	0.009	35.114	TRUE	8.35E-09
Overall asthma	GALNS	cg01686522	rs8058234	G	C	-0.202	0.024	0.374	7.65E-17	0.036	0.010	2.50E-04	0.018	69.460	TRUE	2.40E-15
Overall asthma	GALNS	cg01686522	rs900729	C	G	0.161	0.029	0.218	1.96E-08	-0.019	0.011	0.094	0.008	31.516	TRUE	6.14E-08
Overall asthma	GALNS	cg02010324	rs77352724	G	C	-0.430	0.052	0.056	1.49E-16	0.019	0.020	0.340	0.018	68.151	TRUE	5.46E-16
Overall asthma	GALNS	cg02669544	rs147197496	T	G	-1.349	0.135	0.017	1.66E-23	-0.023	0.044	0.600	0.026	99.777	TRUE	7.01E-23
Overall asthma	GALNS	cg02717656	rs12447646	A	G	-0.297	0.027	0.243	2.55E-27	-0.024	0.011	0.036	0.031	117.170	TRUE	7.84E-26
Overall asthma	GALNS	cg02724461	rs11640595	T	C	0.390	0.063	0.042	4.66E-10	-0.074	0.026	0.004	0.010	38.794	TRUE	3.29E-09
Overall asthma	GALNS	cg02724461	rs118132614	C	T	0.395	0.056	0.046	2.44E-12	0.016	0.021	0.460	0.013	49.066	TRUE	5.83E-12
Overall asthma	GALNS	cg02724461	rs12934499	T	C	0.541	0.027	0.256	4.70E-91	-0.023	0.011	0.044	0.100	409.281	TRUE	2.21E-85
Overall asthma	GALNS	cg02724461	rs142277106	C	G	0.422	0.054	0.051	6.63E-15	-0.066	0.021	0.002	0.016	60.673	TRUE	1.07E-13
Overall asthma	GALNS	cg02724461	rs2306050	T	C	0.257	0.029	0.216	1.29E-18	-0.010	0.012	0.400	0.021	77.509	TRUE	4.96E-18
Overall asthma	GALNS	cg02724461	rs6500502	A	G	-0.131	0.023	0.488	1.68E-08	0.016	0.010	0.100	0.009	31.815	TRUE	5.13E-08
Overall asthma	GALNS	cg02724461	rs8050636	T	C	-0.208	0.032	0.162	4.88E-11	0.020	0.013	0.120	0.012	43.201	TRUE	1.75E-10
Overall asthma	GALNS	cg04364752	rs3784883	T	C	0.276	0.027	0.257	2.12E-24	-0.023	0.011	0.040	0.027	103.850	TRUE	4.32E-23
Overall asthma	GALNS	cg04458924	rs113797435	T	G	0.413	0.054	0.054	2.56E-14	0.007	0.021	0.730	0.015	58.019	TRUE	5.11E-14
Overall asthma	GALNS	cg04458924	rs141712769	C	T	0.430	0.062	0.040	5.27E-12	-0.059	0.026	0.023	0.013	47.557	TRUE	3.30E-11
Overall asthma	GALNS	cg04458924	rs144243016	G	A	0.387	0.054	0.051	5.71E-13	-0.060	0.021	0.004	0.014	51.916	TRUE	5.91E-12
Overall asthma	GALNS	cg04458924	rs2306050	T	C	0.158	0.029	0.216	4.30E-08	-0.010	0.012	0.400	0.008	29.991	TRUE	8.08E-08
Overall asthma	GALNS	cg04458924	rs3826066	C	T	0.483	0.024	0.362	2.80E-91	-0.016	0.010	0.120	0.100	410.313	TRUE	5.47E-86
Overall asthma	GALNS	cg04458924	rs4782336	C	A	0.143	0.023	0.457	9.93E-10	-0.005	0.010	0.600	0.010	37.319	TRUE	1.74E-09
Overall asthma	GALNS	cg04458924	rs77206885	G	A	0.262	0.046	0.068	1.83E-08	0.022	0.019	0.240	0.008	31.653	TRUE	4.23E-08
Overall asthma	GALNS	cg04551282	rs12597726	A	G	0.142	0.026	0.307	3.92E-08	-0.023	0.010	0.025	0.008	30.174	TRUE	1.60E-07
Overall asthma	GALNS	cg04551282	rs142099589	A	C	0.574	0.075	0.027	2.28E-14	-0.017	0.030	0.570	0.016	58.245	TRUE	5.39E-14
Overall asthma	GALNS	cg04551282	rs2306050	T	C	0.258	0.029	0.216	8.99E-19	-0.010	0.012	0.400	0.021	78.228	TRUE	3.49E-18
Overall asthma	GALNS	cg04551282	rs3826070	G	C	0.493	0.024	0.361	2.69E-92	-0.016	0.010	0.110	0.101	414.987	TRUE	6.40E-87
Overall asthma	GALNS	cg04551282	rs4782336	C	A	0.140	0.024	0.457	4.19E-09	-0.005	0.010	0.600	0.009	34.515	TRUE	7.10E-09
Overall asthma	GALNS	cg04551282	rs6500517	C	A	0.373	0.053	0.059	2.40E-12	-0.014	0.023	0.540	0.013	49.101	TRUE	5.17E-12
Overall asthma	GALNS	cg05256999	rs7188107	T	G	-0.182	0.025	0.316	6.11E-13	-0.013	0.010	0.200	0.014	51.783	TRUE	2.20E-12
Overall asthma	GALNS	cg05397122	rs117384401	A	G	-0.430	0.077	0.045	2.76E-08	0.048	0.022	0.030	0.008	30.851	TRUE	1.08E-07
Overall asthma	GALNS	cg05397122	rs3743546	G	A	-0.291	0.026	0.309	4.15E-29	-0.024	0.011	0.022	0.033	125.335	TRUE	1.56E-27
Overall asthma	GALNS	cg05397122	rs563013384	T	C	-1.677	0.087	0.030	9.90E-83	-0.005	0.027	0.850	0.091	371.069	TRUE	3.07E-79
Overall asthma	GALNS	cg05943860	rs144243016	G	A	-0.456	0.054	0.051	4.47E-17	-0.060	0.021	0.004	0.019	70.519	TRUE	7.70E-16
Overall asthma	GALNS	cg05943860	rs2161730	G	A	-0.456	0.026	0.301	5.26E-71	-0.014	0.010	0.190	0.079	317.259	TRUE	1.97E-67
Overall asthma	GALNS	cg05943860	rs2306050	T	C	-0.221	0.029	0.216	3.81E-14	-0.010	0.012	0.400	0.015	57.235	TRUE	1.07E-13
Overall asthma	GALNS	cg05943860	rs516137	C	T	-0.185	0.032	0.173	7.76E-09	-0.025	0.013	0.047	0.009	33.317	TRUE	2.81E-08
Overall asthma	GALNS	cg05943860	rs753602	T	C	0.174	0.026	0.285	1.26E-11	0.000	0.010	0.980	0.012	45.849	TRUE	1.78E-11

Overall asthma	GALNS	cg05943860	rs77206885	G	A	-0.305	0.047	0.068	8.34E-11	0.022	0.019	0.240	0.011	42.155	TRUE	2.31E-10
Overall asthma	GALNS	cg06062279	rs6500515	G	A	0.161	0.029	0.211	3.73E-08	-0.007	0.012	0.580	0.008	30.271	TRUE	6.07E-08
Overall asthma	GALNS	cg06062279	rs837763	C	T	0.139	0.024	0.445	3.79E-09	-0.007	0.010	0.440	0.009	34.708	TRUE	7.43E-09
Overall asthma	GALNS	cg06526420	rs117742652	A	G	0.453	0.079	0.039	1.08E-08	-0.003	0.025	0.900	0.009	32.680	TRUE	1.43E-08
Overall asthma	GALNS	cg06526420	rs2306050	T	C	-0.184	0.029	0.216	2.83E-10	-0.010	0.012	0.400	0.011	39.768	TRUE	6.12E-10
Overall asthma	GALNS	cg06526420	rs4592657	G	A	-0.228	0.039	0.105	6.48E-09	-0.013	0.016	0.430	0.009	33.666	TRUE	1.28E-08
Overall asthma	GALNS	cg06526420	rs7499525	T	C	-0.175	0.028	0.239	3.11E-10	-0.030	0.011	0.007	0.011	39.585	TRUE	2.09E-09
Overall asthma	GALNS	cg06526420	rs8045567	A	G	0.137	0.024	0.401	9.95E-09	0.025	0.010	0.011	0.009	32.833	TRUE	5.01E-08
Overall asthma	GALNS	cg06526420	rs8054994	T	G	-0.375	0.026	0.288	1.78E-46	-0.023	0.011	0.035	0.052	204.794	TRUE	5.11E-44
Overall asthma	GALNS	cg06680609	rs147408884	T	C	-0.826	0.087	0.029	3.13E-21	-0.015	0.027	0.570	0.024	89.408	TRUE	1.16E-20
Overall asthma	GALNS	cg06941554	rs117577078	G	A	-1.098	0.087	0.031	2.77E-36	-0.002	0.026	0.950	0.041	158.134	TRUE	1.97E-35
Overall asthma	GALNS	cg06941554	rs12930286	T	C	0.185	0.025	0.333	2.14E-13	-0.015	0.010	0.130	0.014	53.846	TRUE	9.16E-13
Overall asthma	GALNS	cg06941554	rs148375912	A	G	0.533	0.095	0.018	2.40E-08	-0.007	0.033	0.840	0.008	31.126	TRUE	3.27E-08
Overall asthma	GALNS	cg07731312	rs3859025	T	C	0.195	0.024	0.366	1.29E-15	-0.017	0.010	0.100	0.017	63.901	TRUE	7.78E-15
Overall asthma	GALNS	cg07774081	rs11076715	T	C	0.404	0.027	0.272	5.23E-52	-0.021	0.011	0.052	0.059	230.138	TRUE	2.49E-49
Overall asthma	GALNS	cg07774081	rs147668693	A	G	0.316	0.056	0.049	1.48E-08	-0.060	0.022	0.006	0.009	32.061	TRUE	8.00E-08
Overall asthma	GALNS	cg07947266	rs1141390	G	A	-0.163	0.025	0.329	1.01E-10	-0.016	0.010	0.120	0.011	41.785	TRUE	3.64E-10
Overall asthma	GALNS	cg07947266	rs3759946	G	C	-0.436	0.054	0.055	9.60E-16	0.009	0.022	0.680	0.017	64.476	TRUE	2.20E-15
Overall asthma	GALNS	cg08136432	rs114447962	T	G	-0.139	0.024	0.453	4.47E-09	-0.008	0.010	0.420	0.009	34.389	TRUE	8.92E-09
Overall asthma	GALNS	cg08136432	rs1646239	G	C	0.235	0.040	0.203	4.03E-09	0.029	0.011	0.010	0.009	34.592	TRUE	2.23E-08
Overall asthma	GALNS	cg08136432	rs2879898	T	C	-0.157	0.025	0.352	2.58E-10	0.015	0.010	0.130	0.011	39.950	TRUE	8.44E-10
Overall asthma	GALNS	cg08136432	rs3784879	C	G	-0.583	0.024	0.369	1.83E-131	-0.020	0.010	0.048	0.139	594.904	TRUE	6.97E-122
Overall asthma	GALNS	cg08136432	rs7194471	T	C	-0.445	0.065	0.061	5.43E-12	-0.003	0.018	0.880	0.013	47.501	TRUE	8.45E-12
Overall asthma	GALNS	cg08136432	rs78408219	A	T	-1.253	0.041	0.084	5.79E-205	0.004	0.017	0.840	0.201	932.752	TRUE	8.93E-188
Overall asthma	GALNS	cg08136432	rs8050636	T	C	0.276	0.031	0.162	1.65E-18	0.020	0.013	0.120	0.020	77.032	TRUE	1.14E-17
Overall asthma	GALNS	cg09308897	rs111504162	A	G	-0.278	0.037	0.119	3.73E-14	0.010	0.014	0.490	0.015	57.273	TRUE	9.61E-14
Overall asthma	GALNS	cg09308897	rs113096685	T	C	-0.281	0.047	0.069	2.18E-09	0.021	0.018	0.250	0.010	35.783	TRUE	5.45E-09
Overall asthma	GALNS	cg09308897	rs11640595	T	C	0.667	0.062	0.042	8.36E-27	-0.074	0.026	0.004	0.030	114.818	TRUE	4.71E-25
Overall asthma	GALNS	cg09308897	rs118132614	C	T	0.576	0.056	0.046	9.02E-25	0.016	0.021	0.460	0.028	105.544	TRUE	5.28E-24
Overall asthma	GALNS	cg09308897	rs12444543	G	A	0.864	0.023	0.286	<1E-200	-0.023	0.011	0.031	0.277	1417.445	TRUE	1.11E-271
Overall asthma	GALNS	cg09308897	rs12444871	T	C	0.258	0.042	0.099	6.77E-10	-0.001	0.017	0.980	0.010	38.066	TRUE	8.94E-10
Overall asthma	GALNS	cg09308897	rs146593560	G	T	-1.020	0.124	0.018	1.98E-16	-0.019	0.034	0.570	0.018	67.590	TRUE	5.29E-16
Overall asthma	GALNS	cg09308897	rs147668693	A	G	0.769	0.056	0.049	2.00E-43	-0.060	0.022	0.006	0.049	190.820	TRUE	8.72E-41
Overall asthma	GALNS	cg09308897	rs2306050	T	C	0.392	0.029	0.216	1.41E-41	-0.010	0.012	0.400	0.047	182.351	TRUE	4.27E-40
Overall asthma	GALNS	cg09308897	rs2911268	A	G	0.269	0.030	0.189	7.71E-19	-0.020	0.013	0.120	0.021	78.529	TRUE	5.52E-18
Overall asthma	GALNS	cg09308897	rs34278797	A	G	0.662	0.109	0.025	1.06E-09	0.048	0.029	0.100	0.010	37.191	TRUE	3.60E-09
Overall asthma	GALNS	cg09308897	rs34308486	C	A	0.201	0.026	0.316	4.03E-15	-0.019	0.010	0.068	0.016	61.653	TRUE	2.70E-14
Overall asthma	GALNS	cg09308897	rs507540	A	G	-0.241	0.034	0.319	1.29E-12	-0.001	0.010	0.950	0.013	50.314	TRUE	1.95E-12
Overall asthma	GALNS	cg09308897	rs533581	C	T	-0.258	0.024	0.398	1.31E-27	0.035	0.010	3.10E-04	0.031	118.486	TRUE	1.70E-25
Overall asthma	GALNS	cg09308897	rs555812	G	T	-0.231	0.039	0.225	2.42E-09	0.015	0.012	0.210	0.010	35.582	TRUE	6.32E-09
Overall asthma	GALNS	cg09308897	rs56401214	G	A	-1.559	0.089	0.022	3.42E-68	-0.034	0.030	0.260	0.076	304.349	TRUE	5.31E-65
Overall asthma	GALNS	cg09308897	rs62045845	G	T	-0.193	0.025	0.318	1.87E-14	0.023	0.010	0.022	0.016	58.628	TRUE	1.57E-13

Overall asthma	GALNS	cg09308897	rs71395331	G	C	0.537	0.087	0.035	8.00E-10	0.024	0.024	0.330	0.010	37.741	TRUE	1.87E-09
Overall asthma	GALNS	cg09308897	rs7199959	C	T	0.317	0.028	0.224	1.29E-29	-0.036	0.011	0.001	0.033	127.657	TRUE	1.62E-27
Overall asthma	GALNS	cg09308897	rs8048125	T	C	-0.187	0.025	0.308	1.84E-13	-0.009	0.010	0.390	0.014	54.139	TRUE	5.18E-13
Overall asthma	GALNS	cg09308897	rs8191469	T	G	-0.297	0.053	0.064	1.60E-08	-0.003	0.021	0.880	0.009	31.907	TRUE	2.14E-08
Overall asthma	GALNS	cg09807356	rs118132614	C	T	0.442	0.056	0.046	4.10E-15	0.016	0.021	0.460	0.016	61.618	TRUE	1.18E-14
Overall asthma	GALNS	cg09807356	rs12597751	T	G	0.174	0.026	0.303	1.80E-11	-0.022	0.010	0.032	0.012	45.157	TRUE	1.02E-10
Overall asthma	GALNS	cg09807356	rs12934499	T	C	0.594	0.027	0.256	8.61E-111	-0.023	0.011	0.044	0.119	499.927	TRUE	2.70E-103
Overall asthma	GALNS	cg09807356	rs141712769	C	T	0.412	0.063	0.040	5.97E-11	-0.059	0.026	0.023	0.011	42.808	TRUE	3.32E-10
Overall asthma	GALNS	cg09807356	rs142277106	C	G	0.497	0.054	0.051	3.86E-20	-0.066	0.021	0.002	0.022	84.447	TRUE	1.23E-18
Overall asthma	GALNS	cg09807356	rs2306050	T	C	0.287	0.029	0.216	8.74E-23	-0.010	0.012	0.400	0.025	96.490	TRUE	4.60E-22
Overall asthma	GALNS	cg09807356	rs4782335	T	C	0.170	0.028	0.237	1.24E-09	-0.036	0.011	0.001	0.010	36.891	TRUE	1.05E-08
Overall asthma	GALNS	cg09807356	rs8049644	C	T	0.146	0.025	0.334	7.95E-09	-0.008	0.010	0.430	0.009	33.268	TRUE	1.55E-08
Overall asthma	GALNS	cg09807356	rs8050636	T	C	-0.222	0.032	0.162	2.21E-12	0.020	0.013	0.120	0.013	49.264	TRUE	8.89E-12
Overall asthma	GALNS	cg16582469	rs112256026	T	C	-0.288	0.052	0.055	3.90E-08	0.027	0.020	0.170	0.008	30.183	TRUE	9.73E-08
Overall asthma	GALNS	cg16582469	rs1132579	A	T	-0.162	0.025	0.330	1.18E-10	-0.015	0.010	0.130	0.011	41.478	TRUE	3.98E-10
Overall asthma	GALNS	cg16582469	rs11640595	T	C	0.873	0.062	0.042	3.10E-45	-0.074	0.026	0.004	0.051	199.104	TRUE	2.04E-42
Overall asthma	GALNS	cg16582469	rs11641448	C	T	-0.199	0.027	0.266	1.09E-13	0.028	0.011	0.009	0.015	55.177	TRUE	9.90E-13
Overall asthma	GALNS	cg16582469	rs118132614	C	T	0.693	0.056	0.046	2.43E-35	0.016	0.021	0.460	0.040	153.823	TRUE	3.63E-34
Overall asthma	GALNS	cg16582469	rs2306050	T	C	0.418	0.029	0.216	2.97E-47	-0.010	0.012	0.400	0.053	208.354	TRUE	1.69E-45
Overall asthma	GALNS	cg16582469	rs258331	G	T	0.278	0.040	0.102	6.05E-12	-0.016	0.016	0.330	0.013	47.287	TRUE	1.65E-11
Overall asthma	GALNS	cg16582469	rs2911451	A	G	0.264	0.033	0.401	5.43E-16	0.000	0.010	0.970	0.017	65.598	TRUE	9.45E-16
Overall asthma	GALNS	cg16582469	rs34278797	A	G	0.954	0.108	0.025	9.87E-19	0.048	0.029	0.100	0.021	78.044	TRUE	7.70E-18
Overall asthma	GALNS	cg16582469	rs35432452	G	C	0.321	0.034	0.141	3.79E-21	-0.025	0.013	0.064	0.024	89.031	TRUE	4.72E-20
Overall asthma	GALNS	cg16582469	rs4782335	T	C	0.312	0.028	0.237	3.79E-29	-0.036	0.011	0.001	0.033	125.517	TRUE	4.46E-27
Overall asthma	GALNS	cg16582469	rs507540	A	G	-0.272	0.034	0.319	1.13E-15	-0.001	0.010	0.950	0.017	64.163	TRUE	1.96E-15
Overall asthma	GALNS	cg16582469	rs555812	G	T	-0.226	0.039	0.225	5.16E-09	0.015	0.012	0.210	0.009	34.109	TRUE	1.31E-08
Overall asthma	GALNS	cg16582469	rs559187	T	C	-0.293	0.044	0.164	2.17E-11	0.005	0.013	0.720	0.012	44.786	TRUE	3.77E-11
Overall asthma	GALNS	cg16582469	rs62047770	A	C	-0.247	0.025	0.321	5.16E-23	-0.005	0.010	0.630	0.026	97.534	TRUE	2.04E-22
Overall asthma	GALNS	cg16582469	rs6500502	A	G	-0.258	0.023	0.488	5.06E-29	0.016	0.010	0.100	0.033	124.943	TRUE	1.10E-27
Overall asthma	GALNS	cg16582469	rs71395331	G	C	0.560	0.087	0.035	1.34E-10	0.024	0.024	0.330	0.011	41.220	TRUE	3.33E-10
Overall asthma	GALNS	cg16582469	rs71395333	T	C	0.853	0.052	0.092	1.71E-59	-0.024	0.016	0.130	0.067	264.457	TRUE	1.29E-56
Overall asthma	GALNS	cg16582469	rs7198060	C	T	0.173	0.028	0.242	4.79E-10	-0.010	0.011	0.360	0.010	38.742	TRUE	1.08E-09
Overall asthma	GALNS	cg16582469	rs725332	T	C	-0.234	0.039	0.099	1.30E-09	0.020	0.015	0.200	0.010	36.787	TRUE	3.65E-09
Overall asthma	GALNS	cg16582469	rs76098020	A	G	-0.332	0.053	0.055	4.79E-10	0.022	0.020	0.280	0.010	38.741	TRUE	1.21E-09
Overall asthma	GALNS	cg16582469	rs8049644	C	T	0.227	0.025	0.334	1.95E-19	-0.008	0.010	0.430	0.021	81.244	TRUE	7.84E-19
Overall asthma	GALNS	cg16582469	rs8050636	T	C	-0.411	0.031	0.162	1.92E-39	0.020	0.013	0.120	0.045	172.585	TRUE	1.13E-37
Overall asthma	GALNS	cg16582469	rs8191463	C	T	0.965	0.023	0.256	<1E-200	-0.019	0.011	0.085	0.319	1732.568	TRUE	<1E-200
Overall asthma	GALNS	cg16688112	rs28656031	G	A	-0.161	0.025	0.345	1.61E-10	-0.039	0.010	1.40E-04	0.011	40.873	TRUE	2.24E-09
Overall asthma	GALNS	cg16688112	rs8059583	T	C	-0.669	0.085	0.027	3.26E-15	-0.021	0.033	0.520	0.017	62.070	TRUE	8.57E-15
Overall asthma	GALNS	cg16802439	rs3889834	C	T	0.168	0.027	0.262	3.53E-10	-0.023	0.011	0.037	0.011	39.338	TRUE	1.62E-09
Overall asthma	GALNS	cg20364025	rs12597726	A	G	0.150	0.026	0.307	6.70E-09	-0.023	0.010	0.025	0.009	33.603	TRUE	3.00E-08
Overall asthma	GALNS	cg20364025	rs13337256	G	A	0.378	0.027	0.259	1.05E-44	-0.023	0.011	0.043	0.050	196.674	TRUE	2.39E-42

Overall asthma	GALNS	cg20364025	rs140355859	T	C	0.335	0.055	0.051	8.41E-10	-0.067	0.021	0.001	0.010	37.643	TRUE	6.97E-09
Overall asthma	GALNS	cg20364025	rs2306050	T	C	0.184	0.029	0.216	3.34E-10	-0.010	0.012	0.400	0.011	39.443	TRUE	7.19E-10
Overall asthma	GALNS	cg26817641	rs1141390	G	A	-0.925	0.021	0.329	<1E-200	-0.016	0.010	0.120	0.351	2002.328	TRUE	<1E-200
Overall asthma	GALNS	cg26817641	rs11640595	T	C	-0.768	0.062	0.042	3.45E-35	-0.074	0.026	0.004	0.040	153.123	TRUE	5.70E-33
Overall asthma	GALNS	cg26817641	rs11641448	C	T	0.150	0.027	0.266	2.26E-08	0.028	0.011	0.009	0.008	31.242	TRUE	1.08E-07
Overall asthma	GALNS	cg26817641	rs116971855	G	T	0.430	0.074	0.023	5.41E-09	-0.032	0.029	0.280	0.009	34.018	TRUE	1.26E-08
Overall asthma	GALNS	cg26817641	rs118132614	C	T	-0.600	0.056	0.046	8.69E-27	0.016	0.021	0.460	0.030	114.742	TRUE	6.01E-26
Overall asthma	GALNS	cg26817641	rs144243016	G	A	-0.800	0.054	0.051	9.05E-50	-0.060	0.021	0.004	0.056	219.881	TRUE	1.17E-46
Overall asthma	GALNS	cg26817641	rs2306050	T	C	-0.389	0.029	0.216	4.61E-41	-0.010	0.012	0.400	0.046	180.000	TRUE	1.32E-39
Overall asthma	GALNS	cg26817641	rs258331	G	T	-0.227	0.040	0.102	1.91E-08	-0.016	0.016	0.330	0.008	31.569	TRUE	4.05E-08
Overall asthma	GALNS	cg26817641	rs34278797	A	G	-0.884	0.108	0.025	2.91E-16	0.048	0.029	0.100	0.018	66.830	TRUE	1.80E-15
Overall asthma	GALNS	cg26817641	rs34387772	T	C	0.152	0.026	0.271	3.80E-09	0.015	0.011	0.160	0.009	34.705	TRUE	1.04E-08
Overall asthma	GALNS	cg26817641	rs35432452	G	C	-0.238	0.034	0.141	2.94E-12	-0.025	0.013	0.064	0.013	48.704	TRUE	1.51E-11
Overall asthma	GALNS	cg26817641	rs3743548	G	C	-0.720	0.055	0.055	2.86E-39	0.010	0.021	0.630	0.044	171.797	TRUE	4.44E-38
Overall asthma	GALNS	cg26817641	rs4782509	T	C	0.186	0.024	0.379	1.20E-14	0.005	0.010	0.600	0.016	59.497	TRUE	2.80E-14
Overall asthma	GALNS	cg26817641	rs550269	T	C	0.362	0.044	0.163	1.12E-16	0.006	0.014	0.670	0.018	68.708	TRUE	2.74E-16
Overall asthma	GALNS	cg26817641	rs62047770	A	C	0.236	0.025	0.321	3.86E-21	-0.005	0.010	0.630	0.023	88.997	TRUE	1.33E-20
Overall asthma	GALNS	cg26817641	rs71395331	G	C	-0.745	0.087	0.035	9.09E-18	0.024	0.024	0.330	0.020	73.661	TRUE	3.81E-17
Overall asthma	GALNS	cg26817641	rs7188277	C	T	-0.193	0.031	0.181	3.78E-10	0.013	0.013	0.290	0.010	39.201	TRUE	9.06E-10
Overall asthma	GALNS	cg26817641	rs7499525	T	C	-0.296	0.028	0.239	1.41E-26	-0.030	0.011	0.007	0.030	113.783	TRUE	6.86E-25
Overall asthma	GALNS	cg26817641	rs8048125	T	C	0.156	0.025	0.308	8.42E-10	-0.009	0.010	0.390	0.010	37.640	TRUE	1.84E-09
Overall asthma	GALNS	cg26817641	rs8049644	C	T	-0.227	0.025	0.334	2.06E-19	-0.008	0.010	0.430	0.021	81.133	TRUE	8.28E-19
Overall asthma	GALNS	cg26817641	rs8050636	T	C	0.385	0.031	0.162	1.26E-34	0.020	0.013	0.120	0.039	150.556	TRUE	4.30E-33
Overall asthma	GALNS	cg26817641	rs897958	G	A	-0.502	0.041	0.287	7.36E-35	0.012	0.010	0.250	0.039	151.622	TRUE	1.74E-33
Overall asthma	GALNS	cg26817641	rs9939260	G	C	0.175	0.029	0.193	1.09E-09	0.002	0.012	0.880	0.010	37.128	TRUE	1.54E-09
Overall asthma	GAPDH	cg06362313	rs7978461	T	C	-0.322	0.023	0.487	5.52E-43	0.023	0.010	0.014	0.049	188.801	TRUE	1.53E-40
Overall asthma	GAPDH	cg21225563	rs11064252	C	T	0.605	0.104	0.014	5.92E-09	-0.013	0.043	0.770	0.009	33.842	TRUE	8.80E-09
Overall asthma	GAPDH	cg21225563	rs11064326	G	A	0.226	0.035	0.440	1.06E-10	-0.003	0.010	0.770	0.011	41.683	TRUE	1.70E-10
Overall asthma	GAPDH	cg21225563	rs11569357	C	T	0.305	0.051	0.054	2.28E-09	0.000	0.019	0.990	0.010	35.695	TRUE	2.93E-09
Overall asthma	GAPDH	cg21225563	rs11569361	A	G	-0.307	0.026	0.272	2.08E-31	-0.003	0.011	0.780	0.035	135.848	TRUE	1.25E-30
Overall asthma	GAPDH	cg21225563	rs118133042	G	C	0.606	0.061	0.037	4.23E-23	0.019	0.024	0.420	0.026	97.924	TRUE	2.23E-22
Overall asthma	GAPDH	cg21225563	rs12371184	G	A	0.371	0.026	0.264	4.36E-45	-0.025	0.011	0.021	0.051	198.428	TRUE	1.32E-42
Overall asthma	GAPDH	cg21225563	rs12578573	T	C	0.192	0.024	0.403	1.70E-15	-0.013	0.010	0.170	0.017	63.347	TRUE	7.69E-15
Overall asthma	GAPDH	cg21225563	rs138365831	C	G	0.580	0.106	0.012	4.57E-08	-0.014	0.044	0.750	0.008	29.875	TRUE	6.57E-08
Overall asthma	GAPDH	cg21225563	rs146416192	A	G	0.649	0.077	0.026	3.61E-17	-0.036	0.030	0.230	0.019	70.941	TRUE	1.70E-16
Overall asthma	GAPDH	cg21225563	rs146983427	C	A	0.406	0.059	0.041	7.05E-12	-0.002	0.024	0.940	0.013	46.988	TRUE	1.04E-11
Overall asthma	GAPDH	cg21225563	rs2886093	C	T	0.815	0.021	0.409	<1E-200	-0.010	0.010	0.310	0.297	1560.288	TRUE	1.16E-297
Overall asthma	GAPDH	cg21225563	rs28999107	T	G	0.147	0.024	0.431	4.56E-10	-0.018	0.010	0.062	0.010	38.835	TRUE	1.81E-09
Overall asthma	GAPDH	cg21225563	rs61918041	T	C	0.639	0.078	0.027	1.74E-16	-0.027	0.027	0.310	0.018	67.840	TRUE	6.62E-16
Overall asthma	GAPDH	cg21225563	rs73047897	T	C	-0.468	0.033	0.149	8.73E-46	0.025	0.013	0.068	0.052	201.628	TRUE	1.83E-43
Overall asthma	GAPDH	cg21225563	rs77843719	A	G	0.433	0.052	0.063	7.95E-17	0.024	0.019	0.210	0.018	69.384	TRUE	3.82E-16
Overall asthma	GAPDH	cg26826729	rs2109430	A	G	-0.366	0.023	0.488	3.94E-56	0.023	0.010	0.015	0.063	249.033	TRUE	7.16E-53

Overall asthma	GAPDH	cg26826729	rs59321364	T	C	0.175	0.032	0.167	3.04E-08	-0.014	0.013	0.280	0.008	30.664	TRUE	6.63E-08
Overall asthma	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	0.018	0.011	0.084	0.009	33.308	TRUE	2.41E-08
Overall asthma	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	0.009	0.018	0.630	0.008	30.032	TRUE	6.59E-08
Overall asthma	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	0.023	0.011	0.032	0.009	32.422	TRUE	4.78E-08
Overall asthma	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	0.010	0.027	0.720	0.011	42.684	TRUE	1.08E-10
Overall asthma	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	-0.027	0.010	0.005	0.013	48.719	TRUE	2.73E-11
Overall asthma	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	0.019	0.017	0.240	0.073	291.545	TRUE	2.10E-62
Overall asthma	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	0.021	0.032	0.500	0.010	36.633	TRUE	2.66E-09
Overall asthma	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	0.003	0.011	0.820	0.010	36.929	TRUE	1.78E-09
Overall asthma	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	-0.011	0.012	0.360	0.010	37.019	TRUE	2.55E-09
Overall asthma	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	0.039	0.010	5.20E-05	0.008	30.384	TRUE	3.57E-07
Overall asthma	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	0.029	0.015	0.044	0.009	35.350	TRUE	1.04E-08
Overall asthma	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	-0.032	0.010	0.002	0.073	293.103	TRUE	2.78E-61
Overall asthma	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	-0.010	0.012	0.420	0.012	46.222	TRUE	2.50E-11
Overall asthma	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	0.020	0.010	0.056	0.020	73.634	TRUE	8.68E-17
Overall asthma	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	0.012	0.012	0.310	0.021	81.272	TRUE	9.18E-19
Overall asthma	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	0.006	0.011	0.610	0.024	92.119	TRUE	2.91E-21
Overall asthma	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	0.016	0.011	0.130	0.017	65.797	TRUE	2.56E-15
Overall asthma	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	0.012	0.018	0.490	0.012	44.362	TRUE	5.67E-11
Overall asthma	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	0.029	0.010	0.002	0.017	64.427	TRUE	1.59E-14
Overall asthma	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	0.004	0.010	0.670	0.013	49.592	TRUE	3.60E-12
Overall asthma	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	-0.013	0.017	0.450	0.010	35.790	TRUE	4.31E-09
Overall asthma	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	-0.009	0.014	0.540	0.019	71.662	TRUE	7.39E-17
Overall asthma	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	0.007	0.012	0.560	0.011	40.186	TRUE	4.29E-10
Overall asthma	GATA4	cg12395012	rs11250153	C	G	-0.348	0.026	0.376	6.38E-41	0.028	0.010	0.005	0.046	179.356	TRUE	2.16E-38
Overall asthma	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	-0.040	0.010	3.60E-05	0.093	378.746	TRUE	9.74E-78
Overall asthma	GATA4	cg12395012	rs113711483	C	G	0.348	0.025	0.389	5.53E-43	-0.022	0.010	0.028	0.049	188.797	TRUE	1.22E-40
Overall asthma	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	0.023	0.011	0.032	0.016	60.757	TRUE	4.80E-14
Overall asthma	GATA4	cg12395012	rs11782805	T	C	-0.358	0.058	0.058	8.67E-10	-0.009	0.022	0.680	0.010	37.584	TRUE	1.43E-09
Overall asthma	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	-0.030	0.010	0.002	0.030	115.655	TRUE	4.17E-25
Overall asthma	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	-0.032	0.012	0.008	0.037	144.038	TRUE	3.49E-31
Overall asthma	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	-0.005	0.013	0.700	0.060	236.695	TRUE	1.25E-51
Overall asthma	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	0.018	0.011	0.084	0.012	43.068	TRUE	1.98E-10
Overall asthma	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	-0.040	0.011	4.00E-04	0.036	139.849	TRUE	7.42E-30
Overall asthma	GATA4	cg12395012	rs17796285	C	G	0.256	0.026	0.373	1.70E-23	-0.014	0.010	0.170	0.026	99.728	TRUE	1.67E-22
Overall asthma	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	-0.012	0.011	0.270	0.034	129.571	TRUE	6.39E-29
Overall asthma	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	-0.006	0.010	0.510	0.012	45.010	TRUE	4.09E-11
Overall asthma	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.033	0.013	0.013	0.022	82.740	TRUE	1.67E-18
Overall asthma	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	0.024	0.010	0.021	0.023	88.204	TRUE	1.07E-19
Overall asthma	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	-0.021	0.010	0.026	0.378	2251.154	TRUE	<1E-200
Overall asthma	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	0.027	0.031	0.390	0.008	30.198	TRUE	7.50E-08
Overall asthma	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	0.055	0.016	5.30E-04	0.016	58.439	TRUE	3.86E-13

Overall asthma	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	0.017	0.010	0.079	0.020	74.471	TRUE	4.80E-17
Overall asthma	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.010	0.015	0.520	0.011	39.772	TRUE	5.46E-10
Overall asthma	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	0.034	0.012	0.005	0.026	99.007	TRUE	8.88E-22
Overall asthma	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	-0.015	0.019	0.440	0.018	66.474	TRUE	1.10E-15
Overall asthma	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	0.004	0.019	0.840	0.014	50.905	TRUE	1.60E-12
Overall asthma	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.017	0.015	0.280	0.015	57.079	TRUE	1.45E-13
Overall asthma	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	0.060	0.025	0.017	0.011	40.146	TRUE	1.31E-09
Overall asthma	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.028	0.013	0.039	0.018	69.634	TRUE	6.81E-16
Overall asthma	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	-0.017	0.010	0.087	0.013	48.249	TRUE	1.66E-11
Overall asthma	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	0.018	0.013	0.160	0.014	52.642	TRUE	1.53E-12
Overall asthma	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	0.012	0.012	0.310	0.037	142.044	TRUE	1.40E-31
Overall asthma	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	-0.011	0.013	0.380	0.039	152.064	TRUE	9.35E-34
Overall asthma	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	-0.018	0.012	0.130	0.009	32.887	TRUE	2.76E-08
Overall asthma	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	-0.007	0.018	0.710	0.008	30.231	TRUE	5.67E-08
Overall asthma	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.022	0.011	0.043	0.055	213.953	TRUE	5.92E-46
Overall asthma	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	0.005	0.013	0.690	0.010	38.537	TRUE	8.68E-10
Overall asthma	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	0.028	0.010	0.004	0.013	48.501	TRUE	3.00E-11
Overall asthma	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	-0.030	0.010	0.003	0.037	141.186	TRUE	1.96E-30
Overall asthma	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	-0.010	0.010	0.320	0.017	64.131	TRUE	4.12E-15
Overall asthma	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	0.022	0.023	0.340	0.009	34.801	TRUE	7.88E-09
Overall asthma	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	0.040	0.021	0.052	0.009	32.326	TRUE	4.53E-08
Overall asthma	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	0.009	0.011	0.390	0.055	216.699	TRUE	3.17E-47
Overall asthma	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	0.025	0.022	0.270	0.008	29.788	TRUE	1.06E-07
Overall asthma	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	-0.001	0.013	0.930	0.012	45.412	TRUE	2.30E-11
Overall asthma	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	-0.002	0.021	0.930	0.023	86.920	TRUE	2.58E-20
Overall asthma	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	-0.008	0.033	0.820	0.018	69.543	TRUE	1.56E-16
Overall asthma	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	0.038	0.010	1.70E-04	0.011	42.187	TRUE	1.13E-09
Overall asthma	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	-0.006	0.012	0.620	0.013	49.055	TRUE	4.92E-12
Overall asthma	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	0.038	0.014	0.005	0.023	85.330	TRUE	5.60E-19
Overall asthma	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	-0.020	0.010	0.048	0.013	48.665	TRUE	1.62E-11
Overall asthma	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.003	0.015	0.850	0.010	35.815	TRUE	3.07E-09
Overall asthma	GATA4	cg13293535	rs17808884	C	A	-0.184	0.032	0.182	1.11E-08	0.016	0.013	0.210	0.009	32.618	TRUE	2.72E-08
Overall asthma	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	-0.021	0.010	0.028	0.012	45.548	TRUE	8.09E-11
Overall asthma	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	-0.012	0.012	0.330	0.009	34.592	TRUE	8.96E-09
Overall asthma	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	-0.016	0.010	0.110	0.014	52.700	TRUE	1.72E-12
Overall asthma	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	0.010	0.011	0.350	0.011	41.898	TRUE	2.25E-10
Overall asthma	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	0.025	0.010	0.012	0.013	50.455	TRUE	9.42E-12
Overall asthma	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	-0.011	0.017	0.510	0.009	32.861	TRUE	1.75E-08
Overall asthma	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	0.029	0.010	0.002	0.100	412.571	TRUE	2.64E-85
Overall asthma	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	0.004	0.010	0.670	0.017	62.753	TRUE	5.25E-15
Overall asthma	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	-0.014	0.011	0.210	0.009	34.832	TRUE	9.28E-09
Overall asthma	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	-0.037	0.013	0.005	0.008	30.565	TRUE	1.76E-07

Overall asthma	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	0.007	0.018	0.700	0.023	85.529	TRUE	6.66E-20
Overall asthma	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	-0.030	0.010	0.003	0.008	31.710	TRUE	1.09E-07
Overall asthma	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	0.005	0.019	0.770	0.017	62.917	TRUE	4.30E-15
Overall asthma	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	-0.012	0.011	0.280	0.010	38.618	TRUE	1.28E-09
Overall asthma	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	0.009	0.011	0.390	0.019	70.206	TRUE	1.85E-16
Overall asthma	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	0.009	0.014	0.500	0.010	36.804	TRUE	2.45E-09
Overall asthma	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	0.038	0.010	1.10E-04	0.136	581.132	TRUE	1.74E-117
Overall asthma	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	0.004	0.011	0.740	0.029	109.872	TRUE	4.20E-25
Overall asthma	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	0.023	0.011	0.032	0.010	37.048	TRUE	4.96E-09
Overall asthma	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	-0.036	0.010	4.80E-04	0.020	73.921	TRUE	2.72E-16
Overall asthma	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	-0.006	0.011	0.590	0.015	57.528	TRUE	7.47E-14
Overall asthma	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	0.013	0.010	0.190	0.010	37.183	TRUE	3.04E-09
Overall asthma	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	-0.003	0.011	0.820	0.019	70.635	TRUE	9.03E-17
Overall asthma	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	-0.031	0.010	0.002	0.034	131.650	TRUE	2.02E-28
Overall asthma	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	-0.026	0.012	0.037	0.011	40.029	TRUE	1.21E-09
Overall asthma	GATA4	cg16810626	rs17808884	C	A	0.247	0.032	0.182	1.51E-14	0.016	0.013	0.210	0.016	59.058	TRUE	5.87E-14
Overall asthma	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	-0.013	0.013	0.300	0.008	29.970	TRUE	9.00E-08
Overall asthma	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	0.002	0.010	0.840	0.013	50.398	TRUE	2.06E-12
Overall asthma	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	0.032	0.011	0.005	0.016	60.009	TRUE	1.25E-13
Overall asthma	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	0.013	0.011	0.220	0.026	98.171	TRUE	2.86E-22
Overall asthma	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	0.010	0.011	0.350	0.010	36.247	TRUE	3.73E-09
Overall asthma	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	0.024	0.014	0.087	0.011	40.016	TRUE	9.29E-10
Overall asthma	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	-0.016	0.011	0.160	0.012	44.473	TRUE	8.86E-11
Overall asthma	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	-0.013	0.010	0.190	0.013	46.883	TRUE	2.51E-11
Overall asthma	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	-0.025	0.010	0.013	0.018	68.221	TRUE	1.76E-15
Overall asthma	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	0.002	0.011	0.830	0.027	100.891	TRUE	3.04E-23
Overall asthma	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	-0.034	0.011	0.003	0.015	57.157	TRUE	5.58E-13
Overall asthma	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	0.016	0.011	0.130	0.024	91.679	TRUE	8.60E-21
Overall asthma	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	0.009	0.018	0.630	0.009	33.368	TRUE	1.23E-08
Overall asthma	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	-0.009	0.014	0.540	0.033	127.799	TRUE	8.98E-29
Overall asthma	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	-0.022	0.010	0.023	0.016	58.439	TRUE	1.65E-13
Overall asthma	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	0.020	0.016	0.220	0.017	63.574	TRUE	6.50E-15
Overall asthma	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	0.019	0.010	0.052	0.010	38.738	TRUE	1.97E-09
Overall asthma	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	0.019	0.017	0.260	0.025	93.890	TRUE	2.16E-21
Overall asthma	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	0.001	0.030	0.980	0.008	31.014	TRUE	3.16E-08
Overall asthma	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	0.017	0.015	0.240	0.015	56.164	TRUE	2.27E-13
Overall asthma	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	-0.009	0.018	0.630	0.012	43.321	TRUE	8.50E-11
Overall asthma	GATA4	cg23916205	rs11250153	C	G	-0.205	0.026	0.376	5.34E-15	0.028	0.010	0.005	0.016	61.098	TRUE	6.83E-14
Overall asthma	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	0.006	0.010	0.530	0.009	34.839	TRUE	6.40E-09
Overall asthma	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	0.034	0.017	0.040	0.023	85.679	TRUE	2.55E-19
Overall asthma	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	-0.035	0.011	0.003	0.008	29.771	TRUE	3.06E-07
Overall asthma	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	0.016	0.015	0.270	0.023	87.462	TRUE	4.73E-20

Overall asthma	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	-0.002	0.019	0.910	0.015	57.334	TRUE	6.10E-14
Overall asthma	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	-0.019	0.012	0.120	0.011	40.308	TRUE	7.44E-10
Overall asthma	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	-0.036	0.011	9.60E-04	0.008	30.269	TRUE	2.52E-07
Overall asthma	GATA4	cg23916205	rs73209087	A	C	0.319	0.054	0.056	2.83E-09	-0.014	0.020	0.490	0.009	35.281	TRUE	5.36E-09
Overall asthma	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	-0.022	0.010	0.030	0.009	33.868	TRUE	2.50E-08
Overall asthma	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.022	0.011	0.043	0.020	75.680	TRUE	3.22E-17
Overall asthma	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	-0.023	0.010	0.016	0.118	496.104	TRUE	3.00E-102
Overall asthma	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	-0.011	0.013	0.390	0.013	48.672	TRUE	7.50E-12
Overall asthma	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	0.014	0.010	0.170	0.014	51.402	TRUE	2.83E-12
Overall asthma	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	0.018	0.010	0.055	0.034	131.293	TRUE	6.34E-29
Overall asthma	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	-0.020	0.011	0.078	0.010	37.232	TRUE	3.88E-09
Overall asthma	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	-0.019	0.011	0.070	0.012	45.839	TRUE	5.39E-11
Overall asthma	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	-0.018	0.010	0.085	0.009	34.224	TRUE	1.68E-08
Overall asthma	GATA4	cg23972785	rs12156238	C	G	0.270	0.048	0.179	2.18E-08	-0.021	0.013	0.092	0.008	31.308	TRUE	6.41E-08
Overall asthma	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	-0.019	0.012	0.100	0.009	32.265	TRUE	3.93E-08
Overall asthma	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	-0.010	0.010	0.330	0.014	51.868	TRUE	1.69E-12
Overall asthma	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	0.033	0.011	0.002	0.014	52.429	TRUE	5.08E-12
Overall asthma	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	0.013	0.010	0.180	0.011	39.564	TRUE	9.06E-10
Overall asthma	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	-0.038	0.019	0.045	0.009	33.664	TRUE	2.47E-08
Overall asthma	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	-0.012	0.012	0.300	0.013	49.878	TRUE	4.58E-12
Overall asthma	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	-0.032	0.010	0.002	0.099	407.818	TRUE	3.42E-84
Overall asthma	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	-0.048	0.026	0.068	0.016	60.509	TRUE	4.53E-14
Overall asthma	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	-0.010	0.012	0.420	0.021	80.057	TRUE	1.44E-18
Overall asthma	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	0.018	0.012	0.130	0.008	30.569	TRUE	8.69E-08
Overall asthma	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	0.020	0.010	0.056	0.021	77.680	TRUE	1.22E-17
Overall asthma	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	0.012	0.012	0.310	0.023	87.101	TRUE	5.32E-20
Overall asthma	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	-0.040	0.010	3.80E-05	0.010	35.513	TRUE	3.16E-08
Overall asthma	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	0.006	0.011	0.610	0.035	134.159	TRUE	3.65E-30
Overall asthma	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	0.017	0.011	0.100	0.029	109.329	TRUE	1.81E-24
Overall asthma	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	-0.028	0.010	0.005	0.009	34.283	TRUE	2.84E-08
Overall asthma	GFAP	cg02407342	rs8067029	G	T	-0.258	0.037	0.116	2.66E-12	-0.002	0.015	0.910	0.013	48.900	TRUE	4.11E-12
Overall asthma	GFAP	cg07167554	rs2289674	G	A	0.157	0.029	0.202	3.71E-08	-0.009	0.011	0.440	0.008	30.278	TRUE	6.97E-08
Overall asthma	GFAP	cg07918341	rs17546654	A	G	-0.224	0.034	0.151	3.95E-11	0.013	0.013	0.350	0.012	43.613	TRUE	1.02E-10
Overall asthma	GFAP	cg10855825	rs8067029	G	T	-0.261	0.036	0.116	7.90E-13	-0.002	0.015	0.910	0.014	51.280	TRUE	1.25E-12
Overall asthma	GFAP	cg16343401	rs117250203	T	G	-0.693	0.113	0.012	8.18E-10	0.000	0.044	1.000	0.010	37.696	TRUE	1.06E-09
Overall asthma	GFAP	cg16343401	rs12150247	G	C	0.224	0.041	0.083	4.73E-08	-0.043	0.017	0.011	0.008	29.808	TRUE	2.16E-07
Overall asthma	GFAP	cg16343401	rs12602860	T	C	0.184	0.026	0.306	6.37E-13	-0.030	0.010	0.004	0.014	51.702	TRUE	7.20E-12
Overall asthma	GFAP	cg16343401	rs12944434	G	A	0.180	0.024	0.497	1.76E-14	0.006	0.010	0.510	0.016	58.752	TRUE	4.47E-14
Overall asthma	GFAP	cg16343401	rs143814916	C	A	-0.424	0.067	0.031	2.47E-10	0.031	0.028	0.260	0.011	40.034	TRUE	6.39E-10
Overall asthma	GFAP	cg16343401	rs144535065	A	G	-0.367	0.057	0.039	1.65E-10	0.003	0.022	0.890	0.011	40.820	TRUE	2.39E-10
Overall asthma	GFAP	cg16343401	rs144647217	A	G	-0.251	0.034	0.135	1.54E-13	0.052	0.014	1.90E-04	0.015	54.492	TRUE	3.07E-12
Overall asthma	GFAP	cg16343401	rs2070935	T	G	-0.370	0.024	0.420	4.25E-54	0.019	0.010	0.052	0.061	239.715	TRUE	2.92E-51

Overall asthma	GFAP	cg16343401	rs2289681	T	C	0.527	0.034	0.128	5.53E-54	-0.041	0.014	0.003	0.061	239.190	TRUE	1.51E-50
Overall asthma	GFAP	cg16343401	rs4792948	T	C	-0.256	0.038	0.116	2.64E-11	0.013	0.015	0.380	0.012	44.403	TRUE	6.31E-11
Overall asthma	GFAP	cg16343401	rs6503401	C	G	0.145	0.024	0.406	1.41E-09	0.005	0.010	0.590	0.010	36.635	TRUE	2.49E-09
Overall asthma	GFAP	cg16343401	rs6503409	T	C	0.211	0.025	0.349	9.50E-18	-0.028	0.010	0.006	0.020	73.574	TRUE	1.70E-16
Overall asthma	GFAP	cg16343401	rs713101	A	G	0.229	0.023	0.436	1.61E-22	-0.035	0.010	3.00E-04	0.025	95.278	TRUE	1.10E-20
Overall asthma	GFAP	cg16343401	rs72826852	A	G	-0.266	0.037	0.121	5.07E-13	-0.015	0.015	0.300	0.014	52.151	TRUE	1.49E-12
Overall asthma	GFAP	cg16343401	rs79588955	C	G	-0.409	0.039	0.096	1.56E-25	-0.005	0.016	0.760	0.029	109.015	TRUE	6.24E-25
Overall asthma	GFAP	cg16343401	rs8067029	G	T	-0.769	0.036	0.116	5.08E-101	-0.002	0.015	0.910	0.110	455.050	TRUE	3.72E-96
Overall asthma	GFAP	cg17265120	rs8073674	C	A	0.209	0.037	0.116	1.66E-08	-0.006	0.015	0.720	0.009	31.840	TRUE	2.50E-08
Overall asthma	GFAP	cg18208742	rs76566528	A	G	-0.211	0.033	0.156	1.45E-10	0.013	0.013	0.320	0.011	41.070	TRUE	3.58E-10
Overall asthma	GFAP	cg20911989	rs112023302	A	G	0.232	0.038	0.102	8.48E-10	-0.041	0.015	0.005	0.010	37.625	TRUE	5.42E-09
Overall asthma	GFAP	cg20911989	rs112106588	A	T	-0.156	0.025	0.358	3.14E-10	-0.014	0.010	0.150	0.011	39.563	TRUE	9.62E-10
Overall asthma	GFAP	cg20911989	rs11657244	T	C	-0.195	0.034	0.143	7.80E-09	0.036	0.014	0.009	0.009	33.307	TRUE	4.02E-08
Overall asthma	GFAP	cg20911989	rs12449792	T	C	0.204	0.024	0.448	4.24E-18	-0.030	0.010	0.002	0.020	75.165	TRUE	1.03E-16
Overall asthma	GFAP	cg20911989	rs12602860	T	C	0.155	0.026	0.306	1.19E-09	-0.030	0.010	0.004	0.010	36.974	TRUE	8.64E-09
Overall asthma	GFAP	cg20911989	rs2070935	T	G	-0.309	0.024	0.420	5.73E-38	0.019	0.010	0.052	0.043	165.842	TRUE	4.72E-36
Overall asthma	GFAP	cg20911989	rs2289681	T	C	0.500	0.034	0.128	1.37E-48	-0.041	0.014	0.003	0.055	214.466	TRUE	1.65E-45
Overall asthma	GFAP	cg20911989	rs56908739	T	C	-0.597	0.037	0.114	1.72E-59	0.001	0.015	0.960	0.067	264.439	TRUE	1.42E-57
Overall asthma	GFAP	cg20911989	rs6503409	T	C	0.170	0.025	0.349	4.54E-12	-0.028	0.010	0.006	0.013	47.852	TRUE	4.03E-11
Overall asthma	GFAP	cg20911989	rs7217422	C	G	-0.226	0.033	0.161	4.35E-12	-0.005	0.013	0.700	0.013	47.932	TRUE	8.00E-12
Overall asthma	GFAP	cg20911989	rs72826870	C	G	-0.220	0.037	0.119	3.13E-09	-0.011	0.015	0.460	0.009	35.082	TRUE	6.03E-09
Overall asthma	GFAP	cg20911989	rs73309596	T	C	-0.387	0.046	0.068	8.64E-17	-0.028	0.020	0.150	0.018	69.220	TRUE	4.61E-16
Overall asthma	GFAP	cg21601845	rs2070935	T	G	-0.152	0.024	0.420	1.78E-10	0.019	0.010	0.052	0.011	40.670	TRUE	7.81E-10
Overall asthma	GFAP	cg23016243	rs144535065	A	G	0.400	0.057	0.039	2.79E-12	0.003	0.022	0.890	0.013	48.806	TRUE	4.37E-12
Overall asthma	GFAP	cg23016243	rs67419793	G	T	0.532	0.037	0.114	1.54E-47	-0.001	0.015	0.940	0.054	209.657	TRUE	3.26E-46
Overall asthma	GFAP	cg23016243	rs7207047	A	G	0.133	0.024	0.395	3.57E-08	-0.001	0.010	0.900	0.008	30.353	TRUE	4.65E-08
Overall asthma	GFAP	cg23016243	rs72824797	T	C	0.186	0.032	0.156	5.60E-09	0.037	0.013	0.004	0.009	33.951	TRUE	3.41E-08
Overall asthma	GFAP	cg23016243	rs758020	C	A	-0.243	0.038	0.112	2.40E-10	-0.018	0.015	0.240	0.011	40.088	TRUE	6.58E-10
Overall asthma	GFAP	cg23242944	rs744281	A	G	-0.137	0.024	0.407	1.11E-08	0.023	0.010	0.019	0.009	32.613	TRUE	5.06E-08
Overall asthma	GGCT	cg12773030	rs255125	A	G	0.167	0.025	0.333	1.02E-11	0.020	0.010	0.049	0.012	46.267	TRUE	5.20E-11
Overall asthma	GGCT	cg21491201	rs2906766	C	T	0.204	0.025	0.311	1.00E-15	0.005	0.010	0.660	0.017	64.395	TRUE	2.36E-15
Overall asthma	GGCT	cg21491201	rs38486	T	C	0.293	0.028	0.231	1.10E-25	0.005	0.011	0.690	0.029	109.718	TRUE	4.92E-25
Overall asthma	GGCT	cg23780937	rs38415	G	C	0.178	0.028	0.232	1.55E-10	0.014	0.011	0.220	0.011	40.945	TRUE	4.50E-10
Overall asthma	GHITM	cg18887562	rs11200822	C	T	0.351	0.050	0.063	1.87E-12	0.021	0.020	0.280	0.013	49.584	TRUE	5.48E-12
Overall asthma	GHITM	cg18887562	rs12257999	C	A	0.764	0.058	0.045	3.35E-40	-0.018	0.023	0.430	0.045	176.061	TRUE	8.36E-39
Overall asthma	GHITM	cg19704238	rs7076128	G	A	0.353	0.059	0.045	2.01E-09	-0.018	0.023	0.440	0.010	35.946	TRUE	4.03E-09
Overall asthma	GHITM	cg19704238	rs7085968	A	G	-0.205	0.026	0.297	6.41E-15	0.016	0.010	0.120	0.016	60.739	TRUE	3.38E-14
Overall asthma	GHITM	cg23027704	rs10736315	A	G	0.237	0.026	0.287	1.73E-20	-0.003	0.011	0.800	0.023	86.026	TRUE	4.62E-20
Overall asthma	GHITM	cg23027704	rs12415362	C	T	-0.452	0.024	0.360	2.75E-81	-0.020	0.010	0.042	0.090	364.440	TRUE	1.76E-76
Overall asthma	GHITM	cg23027704	rs2350147	T	C	-0.142	0.025	0.331	1.05E-08	0.001	0.010	0.920	0.009	32.728	TRUE	1.38E-08
Overall asthma	GHITM	cg23027704	rs4933974	A	G	0.152	0.027	0.256	1.16E-08	-0.016	0.011	0.150	0.009	32.542	TRUE	3.19E-08
Overall asthma	GHITM	cg23027704	rs6585779	A	G	0.176	0.031	0.171	1.73E-08	0.025	0.013	0.055	0.009	31.765	TRUE	6.03E-08

Overall asthma	GHITM	cg23027704	rs66846769	A	G	-0.306	0.047	0.131	1.16E-10	-0.007	0.013	0.580	0.011	41.512	TRUE	2.20E-10
Overall asthma	GHITM	cg23027704	rs7096124	C	T	0.194	0.035	0.137	2.14E-08	0.010	0.014	0.470	0.008	31.348	TRUE	3.87E-08
Overall asthma	GHITM	cg23027704	rs80126868	T	G	0.265	0.043	0.164	6.96E-10	0.031	0.012	0.012	0.010	38.011	TRUE	4.12E-09
Overall asthma	GHITM	cg25186695	rs12263387	A	G	-0.408	0.060	0.041	1.36E-11	-0.023	0.024	0.330	0.012	45.694	TRUE	3.53E-11
Overall asthma	GHITM	cg25783892	rs10788325	C	T	-0.212	0.025	0.361	6.89E-18	-0.021	0.010	0.037	0.020	74.207	TRUE	7.25E-17
Overall asthma	GPSM1	cg03607179	rs3812554	T	C	0.274	0.043	0.100	1.23E-10	-0.004	0.015	0.780	0.011	41.400	TRUE	1.96E-10
Overall asthma	GPSM1	cg07324381	rs140876101	A	G	0.480	0.082	0.047	3.97E-09	0.076	0.024	0.002	0.009	34.618	TRUE	2.95E-08
Overall asthma	GPSM1	cg07324381	rs4074592	A	G	0.315	0.035	0.406	3.21E-19	0.017	0.010	0.086	0.021	80.261	TRUE	2.76E-18
Overall asthma	GPSM1	cg13683534	rs11145889	G	A	0.322	0.027	0.267	2.48E-33	0.032	0.011	0.004	0.038	144.633	TRUE	3.45E-31
Overall asthma	GPSM1	cg13683534	rs549853032	T	C	-0.532	0.065	0.037	3.83E-16	-0.065	0.026	0.013	0.018	66.287	TRUE	4.48E-15
Overall asthma	GPSM1	cg13731504	rs34940359	T	G	1.035	0.102	0.026	4.56E-24	-0.030	0.029	0.300	0.027	102.334	TRUE	3.28E-23
Overall asthma	GPSM1	cg13782380	rs75472867	C	G	-0.638	0.066	0.036	4.11E-22	-0.088	0.028	0.002	0.025	93.424	TRUE	1.69E-20
Overall asthma	GPSM1	cg13792579	rs3812561	A	G	1.432	0.065	0.036	7.04E-108	-0.090	0.028	0.001	0.116	486.547	TRUE	1.13E-99
Overall asthma	GPSM1	cg13792579	rs4298601	C	G	0.169	0.026	0.316	5.45E-11	0.016	0.010	0.120	0.011	42.984	TRUE	2.02E-10
Overall asthma	GPSM1	cg13799504	rs11145922	A	G	0.379	0.037	0.145	8.27E-25	-0.023	0.013	0.089	0.028	105.715	TRUE	1.29E-23
Overall asthma	GPSM1	cg13799504	rs112316758	A	G	-0.936	0.135	0.017	3.89E-12	-0.004	0.037	0.910	0.013	48.151	TRUE	5.98E-12
Overall asthma	GPSM1	cg13799504	rs11574905	A	G	-0.620	0.078	0.039	2.65E-15	0.034	0.023	0.150	0.017	62.477	TRUE	1.32E-14
Overall asthma	GPSM1	cg13799504	rs12552575	T	C	-0.920	0.143	0.015	1.12E-10	0.022	0.032	0.500	0.011	41.577	TRUE	2.30E-10
Overall asthma	GPSM1	cg13799504	rs144372917	A	C	-1.051	0.157	0.012	2.13E-11	-0.014	0.041	0.730	0.012	44.823	TRUE	3.65E-11
Overall asthma	GPSM1	cg13799504	rs2229974	G	A	-0.181	0.024	0.433	5.06E-14	0.013	0.010	0.170	0.015	56.674	TRUE	2.07E-13
Overall asthma	GPSM1	cg13799504	rs3829109	A	G	-0.861	0.026	0.284	1.43E-243	0.025	0.011	0.021	0.231	1110.273	TRUE	1.70E-217
Overall asthma	GPSM1	cg13799504	rs4265307	T	C	-0.172	0.027	0.277	1.29E-10	0.005	0.011	0.660	0.011	41.295	TRUE	2.28E-10
Overall asthma	GPSM1	cg13799504	rs45459100	A	G	0.286	0.051	0.056	1.93E-08	-0.037	0.019	0.054	0.008	31.550	TRUE	6.79E-08
Overall asthma	GPSM1	cg13799504	rs6563	G	A	-0.203	0.030	0.496	6.41E-12	0.019	0.010	0.050	0.013	47.174	TRUE	3.30E-11
Overall asthma	GPSM1	cg13905053	rs3812554	T	C	0.383	0.042	0.100	2.04E-19	-0.004	0.015	0.780	0.021	81.161	TRUE	5.26E-19
Overall asthma	GPSM1	cg14040131	rs11145937	A	G	0.960	0.040	0.108	2.21E-128	-0.002	0.015	0.880	0.136	580.742	TRUE	6.19E-121
Overall asthma	GPSM1	cg14040131	rs7851507	T	G	0.238	0.024	0.439	2.90E-23	0.012	0.010	0.200	0.026	98.669	TRUE	2.39E-22
Overall asthma	GPSM1	cg14164080	rs4418446	A	G	0.251	0.027	0.263	1.42E-20	0.030	0.011	0.007	0.023	86.416	TRUE	3.36E-19
Overall asthma	GPSM1	cg14164080	rs76179734	T	G	-0.198	0.029	0.201	1.19E-11	-0.024	0.012	0.047	0.012	45.969	TRUE	6.02E-11
Overall asthma	GPSM1	cg14213590	rs10870125	T	C	0.686	0.036	0.144	2.91E-80	-0.023	0.013	0.090	0.089	359.741	TRUE	9.89E-76
Overall asthma	GPSM1	cg14213590	rs150732334	A	G	0.861	0.133	0.015	1.13E-10	-0.100	0.036	0.004	0.011	41.556	TRUE	8.31E-10
Overall asthma	GPSM1	cg14213590	rs3124994	A	G	-0.225	0.031	0.371	6.19E-13	-0.002	0.010	0.850	0.014	51.759	TRUE	1.04E-12
Overall asthma	GPSM1	cg14213590	rs34242208	T	G	0.648	0.104	0.029	4.26E-10	-0.031	0.027	0.250	0.010	38.968	TRUE	1.11E-09
Overall asthma	GPSM1	cg14213590	rs4077029	C	T	-0.145	0.024	0.488	9.62E-10	0.009	0.010	0.370	0.010	37.381	TRUE	2.11E-09
Overall asthma	GPSM1	cg14213590	rs76115134	C	T	-0.248	0.035	0.458	1.44E-12	0.019	0.010	0.047	0.013	50.105	TRUE	7.69E-12
Overall asthma	GPSM1	cg14271150	rs35774078	A	G	-0.482	0.075	0.024	1.59E-10	-0.006	0.030	0.850	0.011	40.889	TRUE	2.38E-10
Overall asthma	GPSM1	cg14271150	rs79796915	A	G	-0.405	0.067	0.036	1.73E-09	-0.087	0.028	0.002	0.010	36.236	TRUE	1.31E-08
Overall asthma	GPSM1	cg14350257	rs35774078	A	G	-0.660	0.074	0.024	6.04E-19	-0.006	0.030	0.850	0.021	79.013	TRUE	1.40E-18
Overall asthma	GPSM1	cg14479136	rs4320648	A	G	-0.160	0.027	0.269	2.59E-09	0.032	0.011	0.004	0.009	35.449	TRUE	1.71E-08
Overall asthma	GPSM1	cg21195231	rs1128905	T	C	-0.485	0.023	0.489	1.94E-99	-0.008	0.010	0.380	0.108	447.781	TRUE	4.65E-94
Overall asthma	GPSM1	cg21195231	rs113077382	T	C	-0.305	0.053	0.051	1.07E-08	-0.042	0.021	0.041	0.009	32.699	TRUE	3.97E-08
Overall asthma	GPSM1	cg21195231	rs1139057	T	C	-0.229	0.040	0.203	1.35E-08	0.024	0.012	0.045	0.009	32.244	TRUE	4.97E-08

Overall asthma	GPSM1	cg21195231	rs2229974	G	A	0.189	0.024	0.433	2.85E-15	0.013	0.010	0.170	0.017	62.333	TRUE	1.29E-14
Overall asthma	GPSM1	cg21195231	rs35288226	A	G	0.163	0.024	0.347	2.61E-11	0.026	0.010	0.009	0.012	44.427	TRUE	1.86E-10
Overall asthma	GPSM1	cg21195231	rs3812554	T	C	0.348	0.043	0.100	2.54E-16	-0.004	0.015	0.780	0.018	67.094	TRUE	5.46E-16
Overall asthma	GPSM1	cg24336398	rs10870125	T	C	0.529	0.037	0.144	1.24E-47	-0.023	0.013	0.090	0.054	210.086	TRUE	2.70E-45
Overall asthma	GPSM1	cg24336398	rs184353876	T	C	0.599	0.105	0.028	1.15E-08	-0.028	0.028	0.320	0.009	32.553	TRUE	2.48E-08
Overall asthma	GPSM1	cg25884399	rs4266763	G	A	0.211	0.024	0.443	1.54E-18	0.010	0.010	0.300	0.020	77.164	TRUE	7.09E-18
Overall asthma	GPSM1	cg25884399	rs79796915	A	G	1.116	0.066	0.036	1.48E-63	-0.087	0.028	0.002	0.071	283.089	TRUE	2.51E-59
Overall asthma	GPX4	cg01613691	rs4807542	A	G	0.705	0.031	0.159	3.13E-111	-0.033	0.013	0.012	0.119	501.949	TRUE	2.73E-103
Overall asthma	GPX4	cg01613691	rs6843	T	C	-0.166	0.027	0.250	1.38E-09	0.001	0.011	0.910	0.010	36.674	TRUE	1.90E-09
Overall asthma	GPX4	cg01613691	rs9304881	T	C	-0.185	0.025	0.320	1.63E-13	0.000	0.010	1.000	0.014	54.377	TRUE	2.46E-13
Overall asthma	GPX4	cg04903600	rs12461718	T	C	0.136	0.023	0.486	5.93E-09	-0.006	0.010	0.570	0.009	33.839	TRUE	1.02E-08
Overall asthma	GPX4	cg04903600	rs62131217	T	C	0.382	0.028	0.217	6.19E-42	0.001	0.012	0.960	0.047	183.995	TRUE	7.22E-41
Overall asthma	GPX4	cg04903600	rs9304881	T	C	-0.203	0.025	0.320	5.13E-16	0.000	0.010	1.000	0.017	65.711	TRUE	8.69E-16
Overall asthma	GPX4	cg04928147	rs117193629	T	C	-0.368	0.057	0.044	1.25E-10	-0.027	0.021	0.210	0.011	41.363	TRUE	3.69E-10
Overall asthma	GPX4	cg10732871	rs113103697	A	G	-0.411	0.044	0.093	1.07E-20	-0.007	0.017	0.690	0.023	86.975	TRUE	3.27E-20
Overall asthma	GPX4	cg10732871	rs113125042	C	T	0.582	0.097	0.026	1.92E-09	-0.006	0.026	0.810	0.010	36.033	TRUE	2.80E-09
Overall asthma	GPX4	cg10732871	rs116649696	C	A	-0.336	0.053	0.054	2.50E-10	0.031	0.021	0.140	0.011	40.007	TRUE	8.09E-10
Overall asthma	GPX4	cg10732871	rs117193629	T	C	0.528	0.058	0.044	8.00E-20	-0.027	0.021	0.210	0.022	83.005	TRUE	5.04E-19
Overall asthma	GPX4	cg10732871	rs11878692	G	A	0.389	0.042	0.171	4.23E-20	-0.010	0.013	0.440	0.022	84.265	TRUE	1.73E-19
Overall asthma	GPX4	cg10732871	rs11879091	C	T	-0.133	0.024	0.491	1.75E-08	0.024	0.010	0.012	0.009	31.737	TRUE	8.42E-08
Overall asthma	GPX4	cg10732871	rs11882329	C	T	0.310	0.055	0.087	1.82E-08	-0.011	0.017	0.500	0.008	31.658	TRUE	3.20E-08
Overall asthma	GPX4	cg10732871	rs12462842	C	T	0.830	0.020	0.459	<1E-200	-0.012	0.010	0.200	0.326	1785.564	TRUE	<1E-200
Overall asthma	GPX4	cg10732871	rs138878009	C	G	-0.342	0.062	0.039	4.19E-08	0.004	0.023	0.850	0.008	30.044	TRUE	5.64E-08
Overall asthma	GPX4	cg10732871	rs17523177	G	A	0.377	0.045	0.077	7.27E-17	0.021	0.017	0.220	0.018	69.561	TRUE	3.42E-16
Overall asthma	GPX4	cg10732871	rs3087680	C	A	-0.340	0.050	0.106	7.99E-12	-0.011	0.015	0.470	0.012	46.744	TRUE	1.81E-11
Overall asthma	GPX4	cg10732871	rs4147912	A	C	0.154	0.027	0.261	7.81E-09	-0.009	0.011	0.440	0.009	33.304	TRUE	1.50E-08
Overall asthma	GPX4	cg10732871	rs4807537	G	T	0.308	0.023	0.491	3.41E-40	0.004	0.010	0.670	0.045	176.026	TRUE	5.45E-39
Overall asthma	GPX4	cg10732871	rs56207616	C	A	-0.209	0.025	0.343	4.64E-17	0.028	0.010	0.005	0.019	70.444	TRUE	7.63E-16
Overall asthma	GPX4	cg10732871	rs76721557	T	C	-0.443	0.078	0.025	1.35E-08	-0.043	0.025	0.091	0.009	32.246	TRUE	4.27E-08
Overall asthma	GPX4	cg10732871	rs8113403	A	G	-0.264	0.028	0.225	3.56E-21	-0.010	0.011	0.360	0.024	89.156	TRUE	1.80E-20
Overall asthma	GPX4	cg10732871	rs886990	A	G	0.205	0.033	0.300	4.81E-10	-0.021	0.010	0.042	0.010	38.731	TRUE	2.19E-09
Overall asthma	GPX4	cg10732871	rs905149	G	A	0.207	0.030	0.204	3.09E-12	0.001	0.012	0.960	0.013	48.602	TRUE	4.57E-12
Overall asthma	GPX4	cg14894245	rs12979379	G	A	0.211	0.025	0.307	4.86E-17	0.005	0.010	0.650	0.019	70.356	TRUE	1.26E-16
Overall asthma	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	-0.043	0.010	1.60E-05	0.022	83.004	TRUE	6.98E-18
Overall asthma	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	0.038	0.042	0.370	0.020	74.243	TRUE	2.65E-17
Overall asthma	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	0.000	0.037	1.000	0.016	59.557	TRUE	1.85E-14
Overall asthma	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	-0.003	0.011	0.760	0.012	45.037	TRUE	3.20E-11
Overall asthma	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	-0.023	0.012	0.066	0.011	42.892	TRUE	2.57E-10
Overall asthma	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	-0.060	0.011	1.00E-07	0.038	145.486	TRUE	3.87E-30
Overall asthma	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	0.043	0.011	1.70E-04	0.008	30.518	TRUE	3.10E-07
Overall asthma	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	-0.079	0.021	1.90E-04	0.042	163.312	TRUE	1.34E-34
Overall asthma	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	0.069	0.010	4.30E-13	0.020	75.784	TRUE	1.88E-15

Overall asthma	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	0.058	0.010	1.10E-09	0.014	52.136	TRUE	4.50E-11
Overall asthma	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	-0.017	0.016	0.300	0.014	52.275	TRUE	1.46E-12
Overall asthma	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	-0.018	0.017	0.300	0.010	38.182	TRUE	1.56E-09
Overall asthma	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	0.058	0.010	1.10E-09	0.031	118.611	TRUE	1.99E-24
Overall asthma	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	-0.042	0.014	0.002	0.024	91.445	TRUE	3.84E-20
Overall asthma	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.029	0.025	0.250	0.010	36.121	TRUE	4.59E-09
Overall asthma	GSDMA	cg24910161	rs11871317	G	C	0.215	0.038	0.246	1.20E-08	-0.040	0.011	2.00E-04	0.009	32.462	TRUE	1.07E-07
Overall asthma	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	-0.055	0.013	3.50E-05	0.023	88.537	TRUE	4.49E-19
Overall asthma	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	-0.009	0.010	0.330	0.011	41.141	TRUE	3.41E-10
Overall asthma	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	0.067	0.011	1.30E-09	0.041	159.157	TRUE	1.39E-32
Overall asthma	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	0.048	0.010	4.80E-07	0.044	170.791	TRUE	1.76E-35
Overall asthma	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	-0.062	0.010	1.20E-10	0.320	1739.419	TRUE	<1E-200
Overall asthma	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	0.018	0.017	0.300	0.017	62.193	TRUE	1.11E-14
Overall asthma	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	0.052	0.023	0.025	0.013	50.514	TRUE	7.81E-12
Overall asthma	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	0.043	0.011	1.40E-04	0.034	128.558	TRUE	2.05E-27
Overall asthma	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.038	0.016	0.019	0.033	127.851	TRUE	5.74E-28
Overall asthma	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	0.034	0.034	0.310	0.008	29.958	TRUE	9.05E-08
Overall asthma	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	-0.042	0.014	0.002	0.022	84.446	TRUE	1.09E-18
Overall asthma	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.029	0.025	0.250	0.011	40.041	TRUE	6.58E-10
Overall asthma	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	-0.055	0.013	3.50E-05	0.020	76.836	TRUE	1.13E-16
Overall asthma	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	0.067	0.011	1.30E-09	0.047	181.852	TRUE	3.90E-37
Overall asthma	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	0.048	0.010	4.80E-07	0.055	213.970	TRUE	3.39E-44
Overall asthma	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	-0.062	0.010	1.20E-10	0.282	1451.768	TRUE	3.70E-271
Overall asthma	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.030	0.012	0.016	0.032	124.005	TRUE	4.11E-27
Overall asthma	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	0.018	0.017	0.300	0.014	52.543	TRUE	1.28E-12
Overall asthma	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	0.052	0.023	0.025	0.015	56.822	TRUE	3.66E-13
Overall asthma	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	0.043	0.011	1.40E-04	0.036	138.804	TRUE	1.63E-29
Overall asthma	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	-0.033	0.031	0.290	0.008	30.737	TRUE	6.35E-08
Overall asthma	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.028	0.023	0.220	0.014	52.132	TRUE	1.75E-12
Overall asthma	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	-0.029	0.025	0.250	0.008	30.488	TRUE	7.56E-08
Overall asthma	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	0.026	0.011	0.015	0.009	32.948	TRUE	4.28E-08
Overall asthma	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	-0.060	0.017	3.20E-04	0.009	32.601	TRUE	9.42E-08
Overall asthma	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	-0.027	0.011	0.017	0.011	41.116	TRUE	8.47E-10
Overall asthma	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	0.042	0.010	1.40E-05	0.012	46.247	TRUE	2.28E-10
Overall asthma	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	0.083	0.010	4.20E-18	0.099	407.381	TRUE	1.08E-79
Overall asthma	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	0.007	0.019	0.720	0.011	40.532	TRUE	3.17E-10
Overall asthma	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.016	0.014	0.270	0.017	64.042	TRUE	4.76E-15
Overall asthma	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	-0.072	0.010	5.40E-14	0.009	31.956	TRUE	9.48E-07
Overall asthma	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	-0.021	0.024	0.400	0.014	52.347	TRUE	1.24E-12
Overall asthma	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	-0.025	0.014	0.062	0.009	32.697	TRUE	3.54E-08
Overall asthma	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	0.043	0.014	0.002	0.010	36.314	TRUE	1.24E-08
Overall asthma	GSDMB	cg27435903	rs36095411	G	T	-0.364	0.023	0.485	5.03E-56	-0.080	0.010	9.10E-17	0.063	248.547	TRUE	4.47E-49

Overall asthma	GSDMD	cg03367493	rs11782753	T	C	0.575	0.034	0.133	1.17E-65	0.017	0.014	0.230	0.073	292.722	TRUE	1.41E-62
Overall asthma	GSDMD	cg03367493	rs11985039	A	G	0.146	0.024	0.418	9.34E-10	-0.009	0.010	0.340	0.010	37.437	TRUE	2.12E-09
Overall asthma	GSDMD	cg03367493	rs12543282	T	C	0.228	0.027	0.239	1.04E-16	0.008	0.011	0.460	0.018	68.850	TRUE	3.32E-16
Overall asthma	GSDMD	cg03367493	rs12679471	G	T	0.188	0.025	0.348	4.17E-14	-0.021	0.010	0.032	0.015	57.058	TRUE	2.91E-13
Overall asthma	GSDMD	cg03367493	rs12679598	G	A	-0.748	0.031	0.150	3.73E-127	-0.013	0.013	0.310	0.135	575.102	TRUE	5.22E-119
Overall asthma	GSDMD	cg03367493	rs13262652	C	G	0.474	0.059	0.043	1.24E-15	0.008	0.022	0.710	0.017	63.972	TRUE	2.74E-15
Overall asthma	GSDMD	cg03367493	rs13276307	T	C	0.463	0.027	0.248	1.57E-64	0.010	0.011	0.360	0.072	287.550	TRUE	9.83E-62
Overall asthma	GSDMD	cg03367493	rs139312283	T	C	0.693	0.102	0.014	1.10E-11	0.020	0.038	0.600	0.012	46.110	TRUE	2.17E-11
Overall asthma	GSDMD	cg03367493	rs143355379	T	C	0.871	0.143	0.014	1.01E-09	-0.020	0.040	0.610	0.010	37.287	TRUE	1.75E-09
Overall asthma	GSDMD	cg03367493	rs187530824	G	C	-0.611	0.100	0.010	1.06E-09	-0.059	0.039	0.130	0.010	37.189	TRUE	3.32E-09
Overall asthma	GSDMD	cg03367493	rs189980746	A	G	-0.503	0.084	0.023	2.16E-09	0.010	0.030	0.750	0.010	35.804	TRUE	3.31E-09
Overall asthma	GSDMD	cg03367493	rs2384929	C	T	0.258	0.023	0.496	2.68E-28	-0.002	0.010	0.880	0.032	121.641	TRUE	1.11E-27
Overall asthma	GSDMD	cg03367493	rs35643226	C	A	0.160	0.024	0.452	1.31E-11	0.015	0.010	0.130	0.012	45.770	TRUE	5.01E-11
Overall asthma	GSDMD	cg03367493	rs66470449	C	G	-0.190	0.025	0.307	2.83E-14	0.009	0.010	0.410	0.015	57.818	TRUE	8.18E-14
Overall asthma	GSDMD	cg03367493	rs72695731	T	C	-0.906	0.140	0.016	9.47E-11	-0.025	0.037	0.510	0.011	41.905	TRUE	1.94E-10
Overall asthma	GSDMD	cg03367493	rs7832515	G	A	-0.193	0.030	0.199	7.44E-11	-0.010	0.012	0.440	0.011	42.376	TRUE	1.65E-10
Overall asthma	GSDMD	cg03367493	rs78856028	A	G	0.179	0.033	0.154	3.89E-08	0.002	0.013	0.860	0.008	30.186	TRUE	5.21E-08
Overall asthma	GSDMD	cg06553843	rs11782442	T	C	0.478	0.034	0.131	2.27E-45	0.015	0.014	0.280	0.051	199.723	TRUE	1.46E-43
Overall asthma	GSDMD	cg06553843	rs144181480	G	A	-0.536	0.092	0.016	6.12E-09	-0.072	0.035	0.037	0.009	33.779	TRUE	2.41E-08
Overall asthma	GSDMD	cg06553843	rs187530824	G	C	-0.771	0.100	0.010	1.66E-14	-0.059	0.039	0.130	0.016	58.872	TRUE	7.89E-14
Overall asthma	GSDMD	cg06553843	rs2242088	C	G	0.232	0.026	0.310	1.07E-19	0.001	0.010	0.890	0.022	82.425	TRUE	2.48E-19
Overall asthma	GSDMD	cg06553843	rs2242093	C	T	-0.709	0.031	0.149	2.19E-112	-0.013	0.013	0.340	0.121	507.253	TRUE	1.02E-105
Overall asthma	GSDMD	cg06553843	rs2278897	A	G	0.166	0.025	0.322	6.72E-11	-0.012	0.010	0.260	0.011	42.576	TRUE	1.92E-10
Overall asthma	GSDMD	cg06553843	rs62524733	G	A	-0.156	0.023	0.458	3.29E-11	-0.015	0.010	0.110	0.012	43.971	TRUE	1.21E-10
Overall asthma	GSDMD	cg06553843	rs66470449	C	G	-0.149	0.025	0.307	2.60E-09	0.009	0.010	0.410	0.009	35.441	TRUE	5.39E-09
Overall asthma	GSDMD	cg06553843	rs72703742	T	C	0.179	0.033	0.143	4.00E-08	0.010	0.013	0.460	0.008	30.133	TRUE	7.25E-08
Overall asthma	GSDMD	cg07422279	rs12543096	A	G	0.221	0.028	0.206	4.12E-15	0.001	0.012	0.920	0.016	61.607	TRUE	7.20E-15
Overall asthma	GSDMD	cg07422279	rs141432057	T	C	-0.255	0.040	0.091	2.78E-10	0.004	0.017	0.790	0.011	39.805	TRUE	4.28E-10
Overall asthma	GSDMD	cg07422279	rs1809148	A	G	-0.211	0.036	0.131	4.77E-09	-0.015	0.014	0.290	0.009	34.261	TRUE	1.10E-08
Overall asthma	GSDMD	cg07422279	rs4873796	G	C	-0.180	0.028	0.222	8.73E-11	0.008	0.011	0.460	0.011	42.065	TRUE	1.88E-10
Overall asthma	GSDMD	cg07422279	rs6558369	A	C	0.385	0.024	0.378	2.03E-59	-0.022	0.010	0.025	0.067	264.112	TRUE	4.38E-56
Overall asthma	GSDMD	cg07422279	rs72701718	A	G	0.316	0.058	0.036	3.96E-08	-0.033	0.023	0.160	0.008	30.154	TRUE	1.03E-07
Overall asthma	GSDMD	cg09317036	rs10866914	T	G	-0.247	0.038	0.118	7.24E-11	0.025	0.015	0.097	0.011	42.429	TRUE	2.76E-10
Overall asthma	GSDMD	cg09317036	rs11787024	C	T	0.147	0.025	0.322	5.91E-09	0.011	0.010	0.270	0.009	33.845	TRUE	1.38E-08
Overall asthma	GSDMD	cg09317036	rs12547588	G	A	-0.264	0.026	0.265	1.48E-23	0.016	0.011	0.140	0.026	100.000	TRUE	1.52E-22
Overall asthma	GSDMD	cg09317036	rs12681624	G	C	1.025	0.030	0.150	1.09E-255	-0.012	0.013	0.370	0.240	1166.006	TRUE	2.96E-229
Overall asthma	GSDMD	cg09317036	rs141337105	T	G	0.468	0.082	0.018	1.01E-08	0.036	0.032	0.270	0.009	32.805	TRUE	2.34E-08
Overall asthma	GSDMD	cg09317036	rs144181480	G	A	0.543	0.092	0.016	4.02E-09	-0.072	0.035	0.037	0.009	34.595	TRUE	1.62E-08
Overall asthma	GSDMD	cg09317036	rs187530824	G	C	0.858	0.100	0.010	1.17E-17	-0.059	0.039	0.130	0.019	73.161	TRUE	7.37E-17
Overall asthma	GSDMD	cg09317036	rs189980746	A	G	0.578	0.084	0.023	6.37E-12	0.010	0.030	0.750	0.013	47.187	TRUE	1.10E-11
Overall asthma	GSDMD	cg09317036	rs2060967	T	C	-0.278	0.026	0.296	7.51E-27	0.008	0.011	0.470	0.030	115.031	TRUE	4.90E-26
Overall asthma	GSDMD	cg09317036	rs2384929	C	T	-0.227	0.023	0.496	3.02E-22	-0.002	0.010	0.880	0.025	94.033	TRUE	8.29E-22

Overall asthma	GSDMD	cg09317036	rs34791886	G	A	0.248	0.024	0.453	5.30E-26	0.008	0.010	0.410	0.029	111.160	TRUE	3.64E-25
Overall asthma	GSDMD	cg09317036	rs72691637	A	G	0.188	0.030	0.200	2.16E-10	-0.010	0.012	0.410	0.011	40.291	TRUE	4.77E-10
Overall asthma	GSDMD	cg09317036	rs72695731	T	C	1.027	0.140	0.016	1.90E-13	-0.025	0.037	0.510	0.014	54.073	TRUE	4.60E-13
Overall asthma	GSDMD	cg09317036	rs9644250	T	G	-0.179	0.025	0.349	8.33E-13	0.009	0.010	0.390	0.014	51.175	TRUE	2.19E-12
Overall asthma	GSDMD	cg10074813	rs13262652	C	G	0.349	0.059	0.043	4.12E-09	0.008	0.022	0.710	0.009	34.545	TRUE	6.43E-09
Overall asthma	GSDMD	cg10074813	rs2242091	A	G	0.503	0.033	0.134	5.97E-51	0.018	0.014	0.210	0.057	225.290	TRUE	1.02E-48
Overall asthma	GSDMD	cg10074813	rs388357	A	C	-0.198	0.025	0.341	8.12E-16	0.011	0.010	0.260	0.017	64.805	TRUE	3.17E-15
Overall asthma	GSDMD	cg10074813	rs4266665	G	T	-0.194	0.025	0.331	2.99E-15	0.013	0.010	0.180	0.017	62.238	TRUE	1.30E-14
Overall asthma	GSDMD	cg10074813	rs896949	C	G	0.178	0.027	0.274	3.30E-11	0.008	0.011	0.460	0.012	43.964	TRUE	7.14E-11
Overall asthma	GSDMD	cg10810860	rs10099546	G	A	-0.467	0.033	0.142	2.17E-45	-0.004	0.014	0.790	0.051	199.813	TRUE	4.78E-44
Overall asthma	GSDMD	cg10810860	rs12543282	T	C	0.699	0.026	0.239	2.43E-155	0.008	0.011	0.460	0.160	704.634	TRUE	2.98E-144
Overall asthma	GSDMD	cg10810860	rs13276307	T	C	0.380	0.027	0.248	1.64E-43	0.010	0.011	0.360	0.049	191.218	TRUE	6.88E-42
Overall asthma	GSDMD	cg10810860	rs36134466	G	A	0.669	0.086	0.022	8.28E-15	-0.007	0.028	0.800	0.016	60.235	TRUE	1.60E-14
Overall asthma	GSDMD	cg10810860	rs4495441	A	G	0.379	0.046	0.071	2.20E-16	-0.052	0.018	0.005	0.018	67.382	TRUE	3.56E-15
Overall asthma	GSDMD	cg10810860	rs60804328	G	C	-0.218	0.024	0.373	4.55E-20	-0.005	0.010	0.600	0.022	84.120	TRUE	1.52E-19
Overall asthma	GSDMD	cg10810860	rs6990605	G	A	0.219	0.025	0.325	2.03E-18	-0.009	0.010	0.360	0.020	76.624	TRUE	8.42E-18
Overall asthma	GSDMD	cg10810860	rs72703732	A	G	0.524	0.062	0.039	2.64E-17	0.032	0.023	0.170	0.019	71.561	TRUE	1.46E-16
Overall asthma	GSDMD	cg10810860	rs73715668	C	G	-0.257	0.027	0.247	1.69E-21	0.002	0.011	0.870	0.024	90.631	TRUE	4.49E-21
Overall asthma	GSDMD	cg14721632	rs116668352	A	G	-0.302	0.052	0.059	7.30E-09	0.034	0.020	0.093	0.009	33.434	TRUE	2.35E-08
Overall asthma	GSDMD	cg14721632	rs116692788	T	C	-0.335	0.035	0.131	8.27E-22	0.009	0.014	0.530	0.024	92.042	TRUE	3.36E-21
Overall asthma	GSDMD	cg14721632	rs117126994	A	G	0.566	0.081	0.025	2.19E-12	-0.088	0.030	0.003	0.013	49.282	TRUE	2.21E-11
Overall asthma	GSDMD	cg14721632	rs11776876	T	C	-0.175	0.024	0.418	3.95E-13	0.003	0.010	0.740	0.014	52.639	TRUE	7.41E-13
Overall asthma	GSDMD	cg14721632	rs12544706	C	G	-0.316	0.027	0.241	1.24E-31	0.014	0.011	0.200	0.036	136.869	TRUE	2.30E-30
Overall asthma	GSDMD	cg14721632	rs1545536	T	C	-0.258	0.029	0.216	2.37E-19	0.003	0.011	0.800	0.021	80.863	TRUE	6.02E-19
Overall asthma	GSDMD	cg14721632	rs2272635	T	C	0.268	0.026	0.295	3.30E-25	-0.007	0.011	0.510	0.028	107.534	TRUE	1.76E-24
Overall asthma	GSDMD	cg14721632	rs3812445	G	A	0.349	0.034	0.132	1.94E-24	-0.008	0.015	0.600	0.027	104.030	TRUE	8.63E-24
Overall asthma	GSDMD	cg14721632	rs383439	G	C	0.442	0.025	0.329	1.07E-70	-0.007	0.010	0.490	0.079	315.842	TRUE	1.19E-67
Overall asthma	GSDMD	cg14721632	rs3889129	T	C	0.653	0.023	0.350	1.65E-175	-0.022	0.010	0.031	0.177	797.337	TRUE	3.19E-160
Overall asthma	GSDMD	cg14721632	rs59795540	A	C	-0.320	0.043	0.083	1.24E-13	0.011	0.017	0.500	0.015	54.913	TRUE	2.97E-13
Overall asthma	GSDMD	cg14721632	rs6991129	G	A	-0.187	0.027	0.256	3.19E-12	-0.003	0.011	0.790	0.013	48.545	TRUE	5.41E-12
Overall asthma	GSDMD	cg14721632	rs6994534	T	C	0.137	0.024	0.424	9.86E-09	-0.013	0.010	0.180	0.009	32.850	TRUE	2.57E-08
Overall asthma	GSDMD	cg14721632	rs77893911	T	G	0.236	0.025	0.284	1.98E-20	0.002	0.011	0.860	0.023	85.762	TRUE	4.89E-20
Overall asthma	GSDMD	cg14721632	rs7819729	G	A	-0.211	0.027	0.256	1.23E-14	0.016	0.011	0.140	0.016	59.460	TRUE	5.67E-14
Overall asthma	GSDMD	cg15172061	rs113715729	A	G	0.427	0.066	0.037	8.55E-11	0.011	0.025	0.670	0.011	42.106	TRUE	1.51E-10
Overall asthma	GSDMD	cg15172061	rs113990650	T	C	-0.711	0.031	0.150	5.41E-114	-0.013	0.013	0.310	0.122	514.636	TRUE	3.58E-107
Overall asthma	GSDMD	cg15172061	rs11985039	A	G	0.210	0.024	0.418	1.45E-18	-0.009	0.010	0.340	0.020	77.289	TRUE	6.23E-18
Overall asthma	GSDMD	cg15172061	rs13262652	C	G	0.498	0.059	0.043	4.93E-17	0.008	0.022	0.710	0.019	70.328	TRUE	1.18E-16
Overall asthma	GSDMD	cg15172061	rs141432057	T	C	-0.435	0.040	0.091	4.12E-27	0.004	0.017	0.790	0.030	116.219	TRUE	1.75E-26
Overall asthma	GSDMD	cg15172061	rs144093946	C	T	0.595	0.098	0.014	1.07E-09	0.009	0.036	0.810	0.010	37.175	TRUE	1.58E-09
Overall asthma	GSDMD	cg15172061	rs1532037	C	T	-0.148	0.024	0.401	5.25E-10	0.006	0.010	0.520	0.010	38.561	TRUE	1.00E-09
Overall asthma	GSDMD	cg15172061	rs189980746	A	G	-0.466	0.084	0.023	3.12E-08	0.010	0.030	0.750	0.008	30.616	TRUE	4.52E-08
Overall asthma	GSDMD	cg15172061	rs2384929	C	T	0.316	0.023	0.496	7.46E-42	-0.002	0.010	0.880	0.047	183.622	TRUE	9.94E-41

Overall asthma	GSDMD	cg15172061	rs35194198	G	A	-0.187	0.025	0.322	1.32E-13	0.010	0.010	0.330	0.015	54.799	TRUE	3.98E-13
Overall asthma	GSDMD	cg15172061	rs448340	G	A	0.175	0.024	0.402	1.48E-13	0.005	0.010	0.650	0.015	54.566	TRUE	3.09E-13
Overall asthma	GSDMD	cg15172061	rs58774177	C	T	0.779	0.023	0.334	6.22E-242	-0.005	0.010	0.630	0.230	1102.739	TRUE	1.85E-218
Overall asthma	GSDMD	cg15172061	rs61005957	G	T	0.674	0.041	0.087	1.02E-59	0.006	0.016	0.710	0.067	265.476	TRUE	1.46E-57
Overall asthma	GSDMD	cg15172061	rs7812379	T	C	-0.236	0.024	0.477	2.25E-23	0.013	0.010	0.160	0.026	99.172	TRUE	2.09E-22
Overall asthma	GSDMD	cg15172061	rs7834418	T	C	-0.172	0.026	0.283	8.08E-11	-0.004	0.011	0.700	0.011	42.216	TRUE	1.37E-10
Overall asthma	GSDMD	cg15172061	rs78856028	A	G	0.190	0.033	0.154	5.46E-09	0.002	0.013	0.860	0.009	34.001	TRUE	7.57E-09
Overall asthma	GSDMD	cg15541193	rs116692788	T	C	-0.200	0.035	0.131	1.03E-08	0.009	0.014	0.530	0.009	32.771	TRUE	1.80E-08
Overall asthma	GSDMD	cg15541193	rs372513	T	G	-0.160	0.028	0.224	8.20E-09	0.009	0.011	0.410	0.009	33.210	TRUE	1.63E-08
Overall asthma	GSDMD	cg15541193	rs3812445	G	A	0.210	0.034	0.132	8.09E-10	-0.008	0.015	0.600	0.010	37.717	TRUE	1.41E-09
Overall asthma	GSDMD	cg15541193	rs383439	G	C	0.241	0.025	0.329	9.98E-22	-0.007	0.010	0.490	0.024	91.672	TRUE	4.35E-21
Overall asthma	GSDMD	cg15541193	rs3889129	T	C	0.372	0.024	0.350	3.20E-54	-0.022	0.010	0.031	0.061	240.278	TRUE	3.17E-51
Overall asthma	GSDMD	cg17812120	rs10111556	A	G	0.239	0.025	0.322	1.86E-21	-0.010	0.010	0.340	0.024	90.444	TRUE	1.03E-20
Overall asthma	GSDMD	cg17812120	rs11779477	T	C	-0.170	0.026	0.263	1.22E-10	0.022	0.011	0.042	0.011	41.414	TRUE	5.57E-10
Overall asthma	GSDMD	cg17812120	rs11781942	A	G	-0.194	0.032	0.166	1.24E-09	-0.007	0.013	0.610	0.010	36.883	TRUE	2.14E-09
Overall asthma	GSDMD	cg17812120	rs12681624	G	C	-0.637	0.032	0.150	2.09E-90	-0.012	0.013	0.370	0.099	406.309	TRUE	9.66E-86
Overall asthma	GSDMD	cg17812120	rs139312283	T	C	0.709	0.102	0.014	3.57E-12	0.020	0.038	0.600	0.013	48.321	TRUE	7.21E-12
Overall asthma	GSDMD	cg17812120	rs147034183	A	G	0.636	0.103	0.015	5.96E-10	0.029	0.036	0.420	0.010	38.315	TRUE	1.25E-09
Overall asthma	GSDMD	cg17812120	rs149005143	T	C	0.466	0.080	0.027	5.63E-09	-0.099	0.030	8.50E-04	0.009	33.940	TRUE	4.39E-08
Overall asthma	GSDMD	cg17812120	rs189980746	A	G	-0.510	0.084	0.023	1.41E-09	0.010	0.030	0.750	0.010	36.636	TRUE	2.18E-09
Overall asthma	GSDMD	cg17812120	rs28754324	C	A	0.572	0.098	0.012	4.61E-09	0.012	0.037	0.740	0.009	34.328	TRUE	6.97E-09
Overall asthma	GSDMD	cg17812120	rs35609832	G	C	0.426	0.065	0.033	6.15E-11	0.002	0.025	0.950	0.011	42.748	TRUE	8.67E-11
Overall asthma	GSDMD	cg17812120	rs3750207	G	T	0.727	0.024	0.333	6.50E-207	-0.006	0.010	0.580	0.203	941.717	TRUE	5.31E-189
Overall asthma	GSDMD	cg17812120	rs3812445	G	A	0.358	0.034	0.132	1.10E-25	-0.008	0.015	0.600	0.029	109.706	TRUE	5.40E-25
Overall asthma	GSDMD	cg17812120	rs4490854	G	A	0.372	0.040	0.087	1.82E-20	-0.013	0.018	0.450	0.023	85.929	TRUE	7.38E-20
Overall asthma	GSDMD	cg17812120	rs58858875	A	G	0.305	0.043	0.084	1.50E-12	-0.002	0.017	0.900	0.013	50.024	TRUE	2.36E-12
Overall asthma	GSDMD	cg17812120	rs59610542	G	A	-0.168	0.025	0.334	1.83E-11	0.009	0.010	0.400	0.012	45.123	TRUE	4.39E-11
Overall asthma	GSDMD	cg17812120	rs62524034	A	G	-0.224	0.032	0.152	1.72E-12	-0.012	0.013	0.350	0.013	49.748	TRUE	4.64E-12
Overall asthma	GSDMD	cg17812120	rs72693306	A	G	-0.306	0.053	0.050	7.74E-09	-0.012	0.021	0.570	0.009	33.321	TRUE	1.33E-08
Overall asthma	GSDMD	cg17812120	rs7812379	T	C	-0.306	0.024	0.477	1.34E-38	0.013	0.010	0.160	0.044	168.734	TRUE	5.79E-37
Overall asthma	GSDMD	cg17812120	rs7813970	T	C	-0.458	0.029	0.194	1.12E-56	0.007	0.012	0.530	0.064	251.533	TRUE	1.53E-54
Overall asthma	GSDMD	cg17812120	rs78856028	A	G	0.222	0.033	0.154	1.02E-11	0.002	0.013	0.860	0.012	46.261	TRUE	1.60E-11
Overall asthma	GSDMD	cg17812120	rs9657360	C	T	0.430	0.029	0.206	3.24E-48	0.001	0.012	0.920	0.054	212.761	TRUE	7.70E-47
Overall asthma	GSDMD	cg18198896	rs116668352	A	G	-0.338	0.052	0.059	9.05E-11	0.034	0.020	0.093	0.011	41.994	TRUE	3.49E-10
Overall asthma	GSDMD	cg18198896	rs116692788	T	C	-0.285	0.035	0.131	3.67E-16	0.009	0.014	0.530	0.018	66.371	TRUE	1.01E-15
Overall asthma	GSDMD	cg18198896	rs12544706	C	G	-0.253	0.027	0.241	1.24E-20	0.014	0.011	0.200	0.023	86.694	TRUE	8.25E-20
Overall asthma	GSDMD	cg18198896	rs12675897	T	C	0.149	0.024	0.453	4.01E-10	-0.003	0.010	0.730	0.010	39.089	TRUE	6.45E-10
Overall asthma	GSDMD	cg18198896	rs1545536	T	C	-0.196	0.029	0.216	9.06E-12	0.003	0.011	0.800	0.012	46.496	TRUE	1.51E-11
Overall asthma	GSDMD	cg18198896	rs374534	G	C	0.247	0.026	0.262	2.77E-21	0.002	0.011	0.890	0.024	89.654	TRUE	7.03E-21
Overall asthma	GSDMD	cg18198896	rs383439	G	C	0.199	0.025	0.329	3.08E-15	-0.007	0.010	0.490	0.017	62.181	TRUE	8.51E-15
Overall asthma	GSDMD	cg18198896	rs3889129	T	C	0.586	0.023	0.350	2.22E-138	-0.022	0.010	0.031	0.145	626.682	TRUE	8.15E-128
Overall asthma	GSDMD	cg18198896	rs72701718	A	G	0.451	0.058	0.036	4.96E-15	-0.033	0.023	0.160	0.016	61.244	TRUE	2.34E-14

Overall asthma	GSDMD	cg18198896	rs74528256	T	C	-0.187	0.032	0.162	9.09E-09	0.004	0.013	0.770	0.009	33.010	TRUE	1.33E-08
Overall asthma	GSDMD	cg18198896	rs77893911	T	G	0.330	0.025	0.284	7.36E-39	0.002	0.011	0.860	0.044	169.918	TRUE	7.46E-38
Overall asthma	GSDMD	cg20583945	rs10099134	C	T	-0.224	0.028	0.236	1.20E-15	0.002	0.011	0.860	0.017	64.031	TRUE	2.30E-15
Overall asthma	GSDMD	cg20583945	rs11136325	G	A	0.137	0.024	0.406	1.12E-08	-0.013	0.010	0.200	0.009	32.609	TRUE	2.88E-08
Overall asthma	GSDMD	cg20583945	rs112484283	C	A	-0.576	0.063	0.040	6.66E-20	0.038	0.024	0.110	0.022	83.368	TRUE	5.45E-19
Overall asthma	GSDMD	cg20583945	rs11776876	T	C	-0.188	0.024	0.418	6.25E-15	0.003	0.010	0.740	0.016	60.789	TRUE	1.29E-14
Overall asthma	GSDMD	cg20583945	rs11986259	A	G	-0.399	0.028	0.221	6.15E-45	-0.017	0.011	0.140	0.051	197.744	TRUE	7.03E-43
Overall asthma	GSDMD	cg20583945	rs12545739	T	C	-0.157	0.027	0.245	9.78E-09	-0.011	0.011	0.290	0.009	32.867	TRUE	2.12E-08
Overall asthma	GSDMD	cg20583945	rs141337105	T	G	0.781	0.081	0.018	9.73E-22	0.036	0.032	0.270	0.024	91.721	TRUE	6.25E-21
Overall asthma	GSDMD	cg20583945	rs1487888	T	C	1.440	0.022	0.148	<1E-200	-0.008	0.013	0.530	0.536	4270.809	TRUE	<1E-200
Overall asthma	GSDMD	cg20583945	rs1532037	C	T	0.269	0.024	0.401	4.74E-30	0.006	0.010	0.520	0.034	129.640	TRUE	3.78E-29
Overall asthma	GSDMD	cg20583945	rs187530824	G	C	0.886	0.100	0.010	9.85E-19	-0.059	0.039	0.130	0.021	78.048	TRUE	6.83E-18
Overall asthma	GSDMD	cg20583945	rs189980746	A	G	0.808	0.084	0.023	5.48E-22	0.010	0.030	0.750	0.024	92.859	TRUE	1.71E-21
Overall asthma	GSDMD	cg20583945	rs2060967	T	C	-0.636	0.025	0.296	3.17E-142	0.008	0.011	0.470	0.148	644.357	TRUE	9.83E-133
Overall asthma	GSDMD	cg20583945	rs388357	A	C	-0.462	0.024	0.341	8.27E-82	0.011	0.010	0.260	0.090	366.838	TRUE	1.13E-77
Overall asthma	GSDMD	cg20583945	rs4873795	T	A	-0.316	0.037	0.102	2.21E-17	0.006	0.015	0.690	0.019	71.911	TRUE	5.59E-17
Overall asthma	GSDMD	cg20583945	rs55994096	T	G	0.339	0.024	0.374	9.52E-47	-0.007	0.010	0.500	0.053	206.035	TRUE	4.21E-45
Overall asthma	GSDMD	cg20583945	rs56184499	A	G	0.275	0.026	0.293	3.26E-26	-0.009	0.011	0.410	0.029	112.123	TRUE	2.21E-25
Overall asthma	GSDMD	cg20583945	rs56186625	T	C	0.597	0.055	0.055	3.52E-27	-0.019	0.021	0.350	0.031	116.533	TRUE	2.91E-26
Overall asthma	GSDMD	cg20583945	rs62521928	A	G	-0.346	0.055	0.052	3.82E-10	0.017	0.021	0.410	0.010	39.183	TRUE	8.15E-10
Overall asthma	GSDMD	cg20583945	rs6558383	C	T	-0.257	0.034	0.146	5.09E-14	-0.003	0.014	0.830	0.015	56.662	TRUE	9.11E-14
Overall asthma	GSDMD	cg20583945	rs6987719	T	C	-0.220	0.031	0.169	1.74E-12	-0.023	0.013	0.068	0.013	49.726	TRUE	8.26E-12
Overall asthma	GSDMD	cg20583945	rs7460860	T	C	0.182	0.024	0.395	5.64E-14	0.000	0.010	0.990	0.015	56.462	TRUE	8.76E-14
Overall asthma	GSDMD	cg20583945	rs7829800	A	G	0.167	0.025	0.320	4.36E-11	0.005	0.010	0.600	0.012	43.423	TRUE	8.29E-11
Overall asthma	GSDMD	cg20583945	rs7833564	A	G	0.144	0.024	0.477	1.17E-09	0.013	0.010	0.170	0.010	37.002	TRUE	3.35E-09
Overall asthma	GSDMD	cg20583945	rs80351785	A	G	-0.494	0.071	0.034	4.32E-12	0.025	0.026	0.350	0.013	47.947	TRUE	1.16E-11
Overall asthma	GSDMD	cg20583945	rs896960	C	G	0.195	0.034	0.134	8.66E-09	0.019	0.014	0.180	0.009	33.103	TRUE	2.29E-08
Overall asthma	GSDMD	cg22012530	rs118062821	T	A	-0.521	0.093	0.019	1.76E-08	0.045	0.032	0.160	0.009	31.729	TRUE	4.65E-08
Overall asthma	GSDMD	cg22012530	rs118076041	A	G	0.728	0.130	0.015	2.06E-08	-0.049	0.040	0.220	0.008	31.418	TRUE	4.93E-08
Overall asthma	GSDMD	cg22012530	rs13254352	A	C	-0.254	0.028	0.245	4.91E-20	0.009	0.011	0.420	0.022	83.972	TRUE	2.08E-19
Overall asthma	GSDMD	cg22012530	rs13267937	G	C	-0.235	0.027	0.256	9.70E-18	0.016	0.011	0.130	0.019	73.532	TRUE	5.87E-17
Overall asthma	GSDMD	cg22012530	rs13274480	T	C	-0.178	0.024	0.420	1.27E-13	-0.002	0.010	0.820	0.015	54.863	TRUE	2.26E-13
Overall asthma	GSDMD	cg22012530	rs2060967	T	C	-0.400	0.026	0.296	2.03E-54	0.008	0.011	0.470	0.061	241.189	TRUE	2.34E-52
Overall asthma	GSDMD	cg22012530	rs2278897	A	G	0.259	0.025	0.322	1.34E-24	-0.012	0.010	0.260	0.028	104.760	TRUE	1.18E-23
Overall asthma	GSDMD	cg22012530	rs388357	A	C	-0.407	0.024	0.341	3.87E-63	0.011	0.010	0.260	0.071	281.167	TRUE	2.68E-60
Overall asthma	GSDMD	cg22012530	rs4873795	T	A	-0.223	0.037	0.102	2.27E-09	0.006	0.015	0.690	0.010	35.708	TRUE	3.67E-09
Overall asthma	GSDMD	cg22012530	rs59795540	A	C	-0.343	0.043	0.083	2.23E-15	0.011	0.017	0.500	0.017	62.820	TRUE	5.97E-15
Overall asthma	GSDMD	cg22012530	rs6991129	G	A	-0.216	0.027	0.256	1.07E-15	-0.003	0.011	0.790	0.017	64.256	TRUE	2.19E-15
Overall asthma	GSDMD	cg22012530	rs6991958	T	C	0.776	0.028	0.200	1.15E-171	-0.021	0.012	0.087	0.174	779.663	TRUE	2.10E-157
Overall asthma	GSDMD	cg22012530	rs72701716	A	G	0.274	0.026	0.293	4.64E-26	-0.007	0.011	0.510	0.029	111.422	TRUE	2.66E-25
Overall asthma	GSDMD	cg22312904	rs12681624	G	C	-0.546	0.032	0.150	2.19E-66	-0.012	0.013	0.370	0.074	296.064	TRUE	1.84E-63
Overall asthma	GSDMD	cg22312904	rs13262652	C	G	0.343	0.059	0.043	7.09E-09	0.008	0.022	0.710	0.009	33.491	TRUE	1.09E-08

Overall asthma	GSDMD	cg22312904	rs144093946	C	T	0.535	0.097	0.014	3.80E-08	0.009	0.036	0.810	0.008	30.234	TRUE	5.25E-08
Overall asthma	GSDMD	cg22312904	rs1532038	A	G	-0.292	0.043	0.079	8.60E-12	0.005	0.018	0.790	0.012	46.599	TRUE	1.43E-11
Overall asthma	GSDMD	cg22312904	rs2004099	G	T	0.156	0.024	0.405	6.73E-11	-0.008	0.010	0.420	0.011	42.573	TRUE	1.51E-10
Overall asthma	GSDMD	cg22312904	rs448340	G	A	0.170	0.024	0.402	5.32E-13	0.005	0.010	0.650	0.014	52.055	TRUE	1.08E-12
Overall asthma	GSDMD	cg22312904	rs4874171	C	T	0.258	0.024	0.375	4.32E-27	-0.012	0.010	0.230	0.030	116.128	TRUE	4.84E-26
Overall asthma	GSDMD	cg22312904	rs58472315	G	A	0.589	0.042	0.089	9.82E-46	0.032	0.016	0.054	0.052	201.393	TRUE	2.27E-43
Overall asthma	GSDMD	cg22312904	rs59610542	G	A	-0.146	0.025	0.334	4.60E-09	0.009	0.010	0.400	0.009	34.334	TRUE	9.42E-09
Overall asthma	GSDMD	cg22312904	rs964195	C	T	0.593	0.024	0.334	2.11E-132	-0.006	0.010	0.570	0.139	599.216	TRUE	4.03E-124
Overall asthma	GSDMD	cg22995724	rs113715729	A	G	0.366	0.066	0.037	2.70E-08	0.011	0.025	0.670	0.008	30.894	TRUE	4.20E-08
Overall asthma	GSDMD	cg22995724	rs11778789	A	G	0.308	0.043	0.081	6.51E-13	0.025	0.017	0.140	0.014	51.660	TRUE	2.62E-12
Overall asthma	GSDMD	cg22995724	rs11782442	T	C	0.859	0.033	0.131	3.57E-152	0.015	0.014	0.280	0.157	690.074	TRUE	3.92E-141
Overall asthma	GSDMD	cg22995724	rs12680498	A	G	0.188	0.024	0.448	1.67E-15	0.015	0.010	0.130	0.017	63.380	TRUE	9.04E-15
Overall asthma	GSDMD	cg22995724	rs12681624	G	C	-0.921	0.031	0.150	3.91E-200	-0.012	0.013	0.370	0.198	910.549	TRUE	8.43E-183
Overall asthma	GSDMD	cg22995724	rs139312283	T	C	0.799	0.102	0.014	4.23E-15	0.020	0.038	0.600	0.016	61.556	TRUE	1.02E-14
Overall asthma	GSDMD	cg22995724	rs189980746	A	G	-0.649	0.084	0.023	1.23E-14	0.010	0.030	0.750	0.016	59.456	TRUE	2.46E-14
Overall asthma	GSDMD	cg22995724	rs35194198	G	A	-0.148	0.025	0.322	4.77E-09	0.010	0.010	0.330	0.009	34.264	TRUE	1.04E-08
Overall asthma	GSDMD	cg22995724	rs3750204	A	G	0.226	0.028	0.233	7.54E-16	-0.012	0.011	0.290	0.017	64.951	TRUE	2.93E-15
Overall asthma	GSDMD	cg22995724	rs4242490	A	C	0.259	0.026	0.264	1.24E-22	-0.003	0.011	0.760	0.025	95.797	TRUE	3.99E-22
Overall asthma	GSDMD	cg22995724	rs4874147	T	C	0.166	0.026	0.269	2.65E-10	0.010	0.011	0.330	0.011	39.899	TRUE	6.06E-10
Overall asthma	GSDMD	cg22995724	rs4874150	G	A	-0.208	0.026	0.275	1.70E-15	0.006	0.011	0.550	0.017	63.355	TRUE	4.33E-15
Overall asthma	GSDMD	cg22995724	rs59795540	A	C	0.412	0.043	0.083	1.33E-21	0.011	0.017	0.500	0.024	91.106	TRUE	5.47E-21
Overall asthma	GSDMD	cg22995724	rs62524034	A	G	-0.177	0.032	0.152	2.75E-08	-0.012	0.013	0.350	0.008	30.863	TRUE	5.53E-08
Overall asthma	GSDMD	cg22995724	rs72691637	A	G	-0.218	0.030	0.200	2.13E-13	-0.010	0.012	0.410	0.014	53.855	TRUE	5.72E-13
Overall asthma	GSDMD	cg22995724	rs72695731	T	C	-0.905	0.140	0.016	1.01E-10	-0.025	0.037	0.510	0.011	41.785	TRUE	2.06E-10
Overall asthma	GSDMD	cg22995724	rs78856028	A	G	0.205	0.033	0.154	3.14E-10	0.002	0.013	0.860	0.011	39.565	TRUE	4.59E-10
Overall asthma	GSDMD	cg22995724	rs872935	G	A	0.431	0.024	0.372	1.18E-69	-0.007	0.010	0.480	0.078	311.066	TRUE	1.11E-66
Overall asthma	GSDMD	cg22995724	rs923326	G	C	0.182	0.024	0.397	3.66E-14	-0.006	0.010	0.550	0.015	57.312	TRUE	8.72E-14
Overall asthma	GSDMD	cg26173173	rs113990650	T	C	-0.201	0.032	0.150	3.16E-10	-0.013	0.013	0.310	0.011	39.551	TRUE	7.61E-10
Overall asthma	GSDMD	cg26173173	rs11551200	T	C	-0.551	0.068	0.028	6.80E-16	0.016	0.029	0.580	0.017	65.156	TRUE	1.75E-15
Overall asthma	HIPK2	cg00363312	rs10247507	A	G	0.230	0.034	0.140	1.18E-11	0.009	0.013	0.490	0.012	45.973	TRUE	2.64E-11
Overall asthma	HIPK2	cg00363312	rs10954651	G	T	-0.353	0.034	0.335	9.22E-26	0.007	0.010	0.500	0.029	110.062	TRUE	5.39E-25
Overall asthma	HIPK2	cg00363312	rs7781224	G	T	0.198	0.032	0.165	7.97E-10	0.033	0.013	0.013	0.010	37.748	TRUE	4.57E-09
Overall asthma	HIPK2	cg01581050	rs74531640	G	A	-0.733	0.100	0.016	2.33E-13	-0.034	0.039	0.390	0.014	53.674	TRUE	6.43E-13
Overall asthma	HIPK2	cg03202545	rs10954654	T	C	0.194	0.027	0.264	4.83E-13	0.004	0.011	0.700	0.014	52.244	TRUE	9.28E-13
Overall asthma	HIPK2	cg03224163	rs1860509	G	T	-0.183	0.030	0.184	7.81E-10	-0.009	0.012	0.480	0.010	37.787	TRUE	1.55E-09
Overall asthma	HIPK2	cg03369382	rs11769961	C	A	-0.164	0.030	0.190	4.35E-08	-0.013	0.012	0.290	0.008	29.972	TRUE	9.39E-08
Overall asthma	HIPK2	cg03520802	rs193076588	G	C	-0.536	0.085	0.020	2.61E-10	0.067	0.035	0.059	0.011	39.925	TRUE	1.10E-09
Overall asthma	HIPK2	cg03520802	rs73156837	A	G	-1.758	0.098	0.017	1.17E-71	-0.025	0.040	0.530	0.080	320.261	TRUE	1.32E-68
Overall asthma	HIPK2	cg11032313	rs4074827	A	G	-0.401	0.031	0.162	7.58E-38	-0.015	0.013	0.250	0.043	165.285	TRUE	2.33E-36
Overall asthma	HIPK2	cg11627968	rs10247507	A	G	-1.225	0.027	0.140	<1E-200	0.009	0.013	0.490	0.353	2022.154	TRUE	<1E-200
Overall asthma	HIPK2	cg11627968	rs10262234	C	T	-0.200	0.030	0.199	4.54E-11	0.007	0.012	0.580	0.012	43.343	TRUE	8.74E-11
Overall asthma	HIPK2	cg11627968	rs10954651	G	T	0.242	0.034	0.335	1.15E-12	0.007	0.010	0.500	0.013	50.543	TRUE	2.65E-12

Overall asthma	HIPK2	cg11627968	rs10954654	T	C	-0.315	0.027	0.264	4.33E-32	0.004	0.011	0.700	0.036	138.961	TRUE	3.11E-31
Overall asthma	HIPK2	cg11627968	rs113802739	G	T	-1.091	0.177	0.011	7.84E-10	0.050	0.041	0.220	0.010	37.780	TRUE	2.09E-09
Overall asthma	HIPK2	cg11627968	rs185429996	A	G	-1.091	0.095	0.027	9.60E-31	0.009	0.025	0.730	0.035	132.810	TRUE	5.95E-30
Overall asthma	HIPK2	cg11627968	rs2530731	C	G	-0.217	0.027	0.238	4.71E-16	0.003	0.011	0.790	0.017	65.879	TRUE	9.86E-16
Overall asthma	HIPK2	cg11627968	rs4725857	T	C	0.182	0.023	0.477	6.08E-15	-0.015	0.010	0.120	0.016	60.844	TRUE	3.16E-14
Overall asthma	HIPK2	cg11627968	rs4732386	C	T	0.178	0.032	0.420	1.65E-08	0.025	0.010	0.011	0.009	31.857	TRUE	8.16E-08
Overall asthma	HIPK2	cg11627968	rs7781224	G	T	-0.694	0.031	0.165	1.93E-109	0.033	0.013	0.013	0.118	493.724	TRUE	1.12E-101
Overall asthma	HIPK2	cg11627968	rs7785404	T	C	-0.265	0.026	0.298	5.99E-25	-0.008	0.010	0.440	0.028	106.354	TRUE	3.73E-24
Overall asthma	HIPK2	cg11627968	rs7785516	C	T	0.301	0.054	0.117	2.45E-08	0.008	0.015	0.570	0.008	31.082	TRUE	4.03E-08
Overall asthma	HIPK2	cg11627968	rs7788362	A	G	-0.459	0.040	0.089	6.02E-30	-0.013	0.016	0.430	0.034	129.167	TRUE	5.76E-29
Overall asthma	HIPK2	cg11627968	rs9768699	C	T	-0.246	0.035	0.406	1.44E-12	-0.007	0.010	0.500	0.013	50.100	TRUE	3.28E-12
Overall asthma	HIPK2	cg14405813	rs10277664	T	C	0.212	0.024	0.404	4.06E-19	0.020	0.010	0.038	0.021	79.799	TRUE	4.62E-18
Overall asthma	HIPK2	cg14405813	rs116909157	A	G	-0.634	0.098	0.014	9.17E-11	0.000	0.034	1.000	0.011	41.969	TRUE	1.23E-10
Overall asthma	HIPK2	cg14405813	rs117869586	C	T	-0.538	0.069	0.026	5.91E-15	-0.016	0.029	0.580	0.016	60.899	TRUE	1.43E-14
Overall asthma	HIPK2	cg14405813	rs12703062	C	T	-0.720	0.029	0.184	9.95E-135	-0.012	0.012	0.330	0.142	609.906	TRUE	9.03E-126
Overall asthma	HIPK2	cg14405813	rs1978180	T	C	-0.244	0.035	0.136	1.73E-12	-0.016	0.014	0.250	0.013	49.745	TRUE	5.38E-12
Overall asthma	HIPK2	cg14405813	rs68067734	G	C	-0.612	0.095	0.014	9.44E-11	-0.019	0.038	0.620	0.011	41.912	TRUE	1.73E-10
Overall asthma	HIPK2	cg14630106	rs12707451	C	T	0.145	0.024	0.472	1.35E-09	-0.008	0.010	0.400	0.010	36.726	TRUE	2.85E-09
Overall asthma	HIPK2	cg14630106	rs150564919	G	A	-0.536	0.071	0.029	5.87E-14	-0.012	0.027	0.660	0.015	56.385	TRUE	1.24E-13
Overall asthma	HIPK2	cg14630106	rs73486021	C	A	-0.500	0.042	0.089	6.84E-33	0.030	0.017	0.074	0.037	142.623	TRUE	2.50E-31
Overall asthma	HIPK2	cg14630106	rs9718393	G	C	-0.600	0.025	0.313	4.17E-132	0.020	0.010	0.058	0.139	597.855	TRUE	1.87E-122
Overall asthma	HIPK2	cg15039797	rs112288696	C	T	-0.177	0.030	0.182	5.79E-09	0.006	0.013	0.610	0.009	33.887	TRUE	9.58E-09
Overall asthma	HIPK2	cg15039797	rs41274212	C	T	-0.990	0.038	0.096	8.98E-152	-0.009	0.016	0.590	0.157	688.234	TRUE	2.42E-141
Overall asthma	HIPK2	cg15039797	rs7801393	C	T	0.195	0.030	0.195	6.82E-11	0.023	0.012	0.054	0.011	42.546	TRUE	3.04E-10
Overall asthma	HIPK2	cg15535471	rs1464798	A	G	0.278	0.032	0.453	3.57E-18	0.009	0.010	0.370	0.020	75.504	TRUE	1.42E-17
Overall asthma	HIPK2	cg18993778	rs10235001	T	C	-1.474	0.033	0.085	<1E-200	-0.015	0.017	0.370	0.347	1966.070	TRUE	<1E-200
Overall asthma	HIPK2	cg18993778	rs10247507	A	G	-0.313	0.034	0.140	2.92E-20	0.009	0.013	0.490	0.022	84.997	TRUE	1.17E-19
Overall asthma	HIPK2	cg18993778	rs139128188	C	T	-1.175	0.161	0.013	2.42E-13	-0.017	0.043	0.700	0.014	53.604	TRUE	4.77E-13
Overall asthma	HIPK2	cg18993778	rs4732393	C	T	0.212	0.034	0.335	5.78E-10	-0.014	0.010	0.160	0.010	38.374	TRUE	1.73E-09
Overall asthma	HIPK2	cg18993778	rs78068411	T	C	-0.489	0.053	0.097	4.05E-20	0.014	0.016	0.370	0.022	84.350	TRUE	1.83E-19
Overall asthma	HIPK2	cg18993778	rs9801309	C	T	-0.231	0.042	0.188	2.60E-08	0.011	0.012	0.400	0.008	30.966	TRUE	5.23E-08
Overall asthma	HIPK2	cg19246654	rs10276928	T	C	-0.784	0.038	0.097	4.51E-93	-0.015	0.016	0.360	0.102	418.547	TRUE	3.54E-88
Overall asthma	HIPK2	cg19246654	rs78068411	T	C	-0.295	0.054	0.097	3.62E-08	0.014	0.016	0.370	0.008	30.327	TRUE	7.04E-08
Overall asthma	HIPK2	cg22164250	rs6952940	T	C	-0.451	0.082	0.020	4.40E-08	0.062	0.035	0.074	0.008	29.950	TRUE	1.36E-07
Overall asthma	HIPK2	cg22164250	rs73156853	G	C	-1.304	0.100	0.016	8.53E-39	-0.039	0.041	0.330	0.044	169.627	TRUE	2.26E-37
Overall asthma	HIPK2	cg23646343	rs1464798	A	G	0.455	0.032	0.453	7.81E-47	0.009	0.010	0.370	0.053	206.428	TRUE	4.72E-45
Overall asthma	HIPK2	cg23646343	rs6974895	G	C	-0.221	0.035	0.146	1.87E-10	0.034	0.014	0.016	0.011	40.573	TRUE	1.09E-09
Overall asthma	HIPK2	cg23999318	rs1464798	A	G	0.258	0.032	0.453	1.00E-15	0.009	0.010	0.370	0.017	64.390	TRUE	3.33E-15
Overall asthma	HIPK2	cg24038192	rs10241798	C	T	-0.503	0.037	0.110	6.04E-42	-0.012	0.015	0.410	0.047	184.042	TRUE	1.86E-40
Overall asthma	HIPK2	cg24540732	rs73156838	C	T	-1.177	0.098	0.017	5.50E-33	-0.034	0.040	0.400	0.037	143.055	TRUE	7.26E-32
Overall asthma	ICAM1	cg02776148	rs118167853	T	C	0.703	0.091	0.015	1.29E-14	-0.017	0.038	0.660	0.016	59.361	TRUE	2.84E-14
Overall asthma	ICAM1	cg02776148	rs12972990	G	T	0.258	0.023	0.436	4.93E-29	0.000	0.010	1.000	0.033	124.996	TRUE	1.84E-28

Overall asthma	ICAM1	cg24354612	rs281436	A	G	-0.201	0.025	0.310	2.11E-15	-0.022	0.010	0.031	0.017	62.929	TRUE	1.81E-14
Overall asthma	ICAM4	cg00500176	rs149324369	T	G	-0.373	0.065	0.034	1.05E-08	-0.012	0.026	0.640	0.009	32.725	TRUE	1.69E-08
Overall asthma	ICAM4	cg00500176	rs17852402	A	G	0.194	0.033	0.140	4.58E-09	0.006	0.013	0.670	0.009	34.340	TRUE	7.43E-09
Overall asthma	ICAM4	cg00500176	rs281427	T	C	0.215	0.031	0.160	8.18E-12	0.017	0.013	0.190	0.012	46.698	TRUE	2.70E-11
Overall asthma	ICAM4	cg00500176	rs281436	A	G	-0.509	0.025	0.310	6.06E-94	-0.022	0.010	0.031	0.103	422.551	TRUE	6.25E-88
Overall asthma	ICAM4	cg00500176	rs61223991	T	C	-0.215	0.039	0.100	3.93E-08	-0.003	0.015	0.840	0.008	30.168	TRUE	5.36E-08
Overall asthma	ICAM4	cg00500176	rs78064630	A	G	-0.281	0.043	0.082	6.85E-11	-0.020	0.018	0.260	0.011	42.538	TRUE	1.85E-10
Overall asthma	ICAM4	cg00500176	rs8101365	T	C	-0.187	0.028	0.246	1.22E-11	-0.011	0.011	0.310	0.012	45.915	TRUE	3.25E-11
Overall asthma	ICAM4	cg20036207	rs10411056	C	A	-0.470	0.040	0.083	3.47E-31	0.002	0.017	0.900	0.035	134.831	TRUE	1.73E-30
Overall asthma	ICAM4	cg20036207	rs10420549	C	T	0.258	0.024	0.422	6.01E-27	-0.012	0.010	0.200	0.030	115.473	TRUE	6.91E-26
Overall asthma	ICAM4	cg20036207	rs11666992	C	T	0.290	0.045	0.075	1.01E-10	-0.010	0.018	0.570	0.011	41.771	TRUE	1.92E-10
Overall asthma	ICAM4	cg20036207	rs140752376	A	G	0.446	0.070	0.031	1.91E-10	0.015	0.026	0.560	0.011	40.532	TRUE	3.61E-10
Overall asthma	ICAM4	cg20036207	rs144468331	G	C	-0.505	0.059	0.036	9.38E-18	-0.029	0.022	0.190	0.020	73.598	TRUE	5.09E-17
Overall asthma	ICAM4	cg20036207	rs145427182	A	G	-0.491	0.079	0.024	5.48E-10	-0.016	0.031	0.600	0.010	38.478	TRUE	9.72E-10
Overall asthma	ICAM4	cg20036207	rs17852402	A	G	0.360	0.033	0.140	1.22E-27	0.006	0.013	0.670	0.031	118.640	TRUE	6.52E-27
Overall asthma	ICAM4	cg20036207	rs1799969	A	G	0.392	0.036	0.125	2.51E-28	-0.006	0.015	0.720	0.032	121.766	TRUE	1.31E-27
Overall asthma	ICAM4	cg20036207	rs192560669	C	A	-0.882	0.042	0.079	5.23E-98	-0.008	0.018	0.640	0.107	441.214	TRUE	4.24E-93
Overall asthma	ICAM4	cg20036207	rs2017213	A	T	-0.158	0.024	0.400	3.07E-11	-0.008	0.010	0.390	0.012	44.111	TRUE	7.29E-11
Overall asthma	ICAM4	cg20036207	rs2358581	T	G	0.531	0.026	0.254	2.40E-92	0.018	0.011	0.100	0.101	415.212	TRUE	6.18E-87
Overall asthma	ICAM4	cg20036207	rs2569507	A	G	0.212	0.024	0.476	2.86E-19	-0.013	0.010	0.190	0.021	80.489	TRUE	1.82E-18
Overall asthma	ICAM4	cg20036207	rs280497	A	G	0.326	0.023	0.481	2.01E-44	0.010	0.010	0.320	0.050	195.394	TRUE	1.07E-42
Overall asthma	ICAM4	cg20036207	rs281416	A	G	0.521	0.024	0.356	1.37E-105	0.013	0.010	0.200	0.114	476.033	TRUE	2.79E-99
Overall asthma	ICAM4	cg20036207	rs281431	C	T	-0.785	0.021	0.395	<1E-200	-0.009	0.010	0.360	0.278	1425.032	TRUE	1.04E-274
Overall asthma	ICAM4	cg20036207	rs3181050	T	C	-0.614	0.051	0.062	3.45E-33	-0.024	0.020	0.230	0.037	143.978	TRUE	6.90E-32
Overall asthma	ICAM4	cg20036207	rs35948484	G	C	-0.235	0.041	0.096	9.77E-09	0.006	0.016	0.720	0.009	32.868	TRUE	1.49E-08
Overall asthma	ICAM4	cg20036207	rs4611572	C	G	-0.266	0.024	0.405	6.26E-29	-0.004	0.010	0.670	0.033	124.522	TRUE	3.63E-28
Overall asthma	ICAM4	cg20036207	rs4804511	C	T	-0.199	0.027	0.259	2.35E-13	-0.024	0.011	0.036	0.014	53.662	TRUE	1.61E-12
Overall asthma	ICAM4	cg20036207	rs74956615	A	T	0.639	0.080	0.039	1.17E-15	-0.012	0.021	0.570	0.017	64.084	TRUE	3.02E-15
Overall asthma	ICAM4	cg20036207	rs75161693	C	T	-0.748	0.046	0.074	1.45E-60	-0.016	0.018	0.370	0.068	269.362	TRUE	5.01E-58
Overall asthma	ICAM4	cg20036207	rs75239980	C	G	-0.446	0.041	0.083	4.89E-28	-0.024	0.016	0.150	0.032	120.445	TRUE	8.07E-27
Overall asthma	ICAM4	cg20036207	rs80066865	G	C	0.400	0.061	0.042	4.05E-11	0.032	0.023	0.160	0.012	43.565	TRUE	1.33E-10
Overall asthma	ICAM4	cg20036207	rs8103246	G	A	0.408	0.042	0.080	1.41E-22	0.007	0.017	0.660	0.025	95.540	TRUE	5.11E-22
Overall asthma	ICAM4	cg20036207	rs8106605	G	T	0.192	0.032	0.165	1.31E-09	0.012	0.013	0.380	0.010	36.773	TRUE	2.89E-09
Overall asthma	ICAM4	cg20036207	rs8107814	T	C	0.233	0.039	0.104	1.79E-09	-0.027	0.016	0.085	0.010	36.174	TRUE	6.05E-09
Overall asthma	ICAM4	cg20036207	rs8108428	A	G	-0.147	0.026	0.287	9.44E-09	-0.002	0.011	0.880	0.009	32.935	TRUE	1.27E-08
Overall asthma	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	-0.003	0.010	0.780	0.015	57.336	TRUE	6.92E-14
Overall asthma	IDUA	cg00187933	rs6827815	G	C	0.329	0.033	0.153	2.70E-23	-0.004	0.014	0.800	0.026	98.811	TRUE	8.68E-23
Overall asthma	IDUA	cg00247629	rs11248057	G	C	-0.222	0.027	0.266	9.62E-17	-0.022	0.011	0.048	0.018	69.009	TRUE	8.17E-16
Overall asthma	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	0.000	0.010	0.990	0.011	40.958	TRUE	2.06E-10
Overall asthma	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	-0.001	0.011	0.910	0.013	49.309	TRUE	3.35E-12
Overall asthma	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	0.008	0.010	0.400	0.065	258.356	TRUE	8.48E-56
Overall asthma	IDUA	cg01572696	rs113130883	T	C	-0.155	0.028	0.228	4.00E-08	0.006	0.011	0.600	0.008	30.132	TRUE	6.49E-08

Overall asthma	IDUA	cg01572696	rs114358991	A	G	0.424	0.055	0.053	1.63E-14	0.002	0.022	0.920	0.016	58.897	TRUE	2.77E-14
Overall asthma	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	-0.036	0.015	0.020	0.022	81.973	TRUE	2.15E-18
Overall asthma	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	0.005	0.014	0.730	0.012	46.127	TRUE	1.90E-11
Overall asthma	IDUA	cg01572696	rs17131820	C	G	0.206	0.034	0.141	2.08E-09	-0.003	0.013	0.820	0.010	35.878	TRUE	3.03E-09
Overall asthma	IDUA	cg01572696	rs191917382	A	C	-0.673	0.109	0.027	6.42E-10	0.045	0.024	0.064	0.010	38.170	TRUE	2.53E-09
Overall asthma	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	-0.005	0.010	0.620	0.012	45.664	TRUE	2.65E-11
Overall asthma	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	-0.001	0.012	0.940	0.015	54.952	TRUE	1.93E-13
Overall asthma	IDUA	cg01572696	rs4647932	T	C	-0.822	0.049	0.065	1.55E-62	0.008	0.019	0.670	0.070	278.407	TRUE	3.50E-60
Overall asthma	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	0.025	0.010	0.010	0.049	189.624	TRUE	1.27E-40
Overall asthma	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	0.009	0.010	0.380	0.017	62.147	TRUE	1.01E-14
Overall asthma	IDUA	cg01572696	rs6826191	G	A	-0.155	0.024	0.353	1.75E-10	0.007	0.010	0.490	0.011	40.709	TRUE	3.55E-10
Overall asthma	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	0.009	0.021	0.680	0.022	84.609	TRUE	1.07E-19
Overall asthma	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	0.008	0.010	0.400	0.017	62.567	TRUE	7.84E-15
Overall asthma	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	-0.007	0.021	0.720	0.021	79.226	TRUE	1.44E-18
Overall asthma	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	0.025	0.010	0.010	0.016	60.197	TRUE	8.97E-14
Overall asthma	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	0.009	0.021	0.680	0.009	35.354	TRUE	4.36E-09
Overall asthma	IDUA	cg03889767	rs1078138	T	C	-0.287	0.030	0.193	4.00E-22	0.004	0.012	0.760	0.025	93.479	TRUE	1.25E-21
Overall asthma	IDUA	cg03889767	rs11946340	T	C	0.261	0.036	0.401	4.20E-13	-0.001	0.010	0.900	0.014	52.517	TRUE	6.80E-13
Overall asthma	IDUA	cg03889767	rs151010222	T	C	-0.996	0.095	0.015	1.31E-25	0.070	0.037	0.063	0.029	109.372	TRUE	2.50E-24
Overall asthma	IDUA	cg03889767	rs188911015	A	G	-0.998	0.068	0.030	2.94E-48	0.042	0.028	0.130	0.054	212.955	TRUE	4.80E-46
Overall asthma	IDUA	cg03889767	rs28569895	T	A	-0.320	0.030	0.193	5.08E-27	0.016	0.012	0.190	0.030	115.806	TRUE	6.40E-26
Overall asthma	IDUA	cg03889767	rs3806760	A	G	-0.288	0.025	0.327	8.18E-31	0.000	0.010	1.000	0.035	133.126	TRUE	3.48E-30
Overall asthma	IDUA	cg03889767	rs4569707	G	C	-0.149	0.026	0.278	1.39E-08	0.013	0.011	0.210	0.009	32.177	TRUE	3.30E-08
Overall asthma	IDUA	cg03889767	rs75675915	G	T	-0.458	0.072	0.030	2.39E-10	0.034	0.029	0.250	0.011	40.094	TRUE	6.45E-10
Overall asthma	IDUA	cg03889767	rs77186370	A	C	-1.039	0.117	0.016	5.29E-19	0.067	0.034	0.045	0.021	79.276	TRUE	5.51E-18
Overall asthma	IDUA	cg03889767	rs78564282	A	C	-0.593	0.057	0.042	8.72E-26	-0.018	0.024	0.430	0.029	110.172	TRUE	5.48E-25
Overall asthma	IDUA	cg03889767	rs80269477	T	G	-1.201	0.082	0.043	9.84E-49	0.013	0.022	0.570	0.055	215.131	TRUE	4.88E-47
Overall asthma	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	-0.005	0.012	0.680	0.010	38.835	TRUE	7.58E-10
Overall asthma	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	0.028	0.033	0.400	0.020	76.262	TRUE	9.40E-18
Overall asthma	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	-0.005	0.012	0.680	0.011	40.004	TRUE	4.22E-10
Overall asthma	IDUA	cg08160350	rs115790973	G	C	0.428	0.033	0.154	2.17E-38	-0.007	0.013	0.610	0.043	167.769	TRUE	3.24E-37
Overall asthma	IDUA	cg08160350	rs17165126	C	G	0.498	0.084	0.021	2.94E-09	-0.049	0.032	0.120	0.009	35.207	TRUE	8.92E-09
Overall asthma	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	-0.003	0.010	0.780	0.013	48.909	TRUE	4.59E-12
Overall asthma	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	0.004	0.010	0.670	0.010	35.619	TRUE	3.90E-09
Overall asthma	IDUA	cg08332990	rs115790973	G	C	0.297	0.033	0.154	3.48E-19	-0.007	0.013	0.610	0.021	80.103	TRUE	1.08E-18
Overall asthma	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	-0.003	0.010	0.780	0.011	41.490	TRUE	1.87E-10
Overall asthma	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	0.008	0.010	0.440	0.009	32.544	TRUE	2.23E-08
Overall asthma	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	0.000	0.010	0.990	0.020	77.335	TRUE	2.75E-18
Overall asthma	IDUA	cg14652403	rs187658856	C	G	-0.298	0.037	0.108	1.14E-15	-0.036	0.016	0.022	0.017	64.137	TRUE	1.05E-14
Overall asthma	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	0.006	0.010	0.570	0.010	36.272	TRUE	3.02E-09
Overall asthma	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	-0.033	0.010	4.70E-04	0.050	193.196	TRUE	7.43E-41
Overall asthma	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	0.009	0.021	0.680	0.010	39.051	TRUE	6.82E-10

Overall asthma	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	0.010	0.015	0.520	0.008	29.766	TRUE	8.27E-08
Overall asthma	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	-0.018	0.010	0.066	0.010	36.545	TRUE	5.43E-09
Overall asthma	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	0.002	0.013	0.900	0.048	184.678	TRUE	5.85E-41
Overall asthma	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	-0.001	0.011	0.910	0.027	102.180	TRUE	1.47E-23
Overall asthma	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	-0.003	0.021	0.900	0.009	32.063	TRUE	1.96E-08
Overall asthma	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	0.043	0.034	0.210	0.013	50.559	TRUE	3.91E-12
Overall asthma	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	0.000	0.011	0.990	0.019	69.755	TRUE	1.18E-16
Overall asthma	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	-0.004	0.010	0.670	0.010	36.376	TRUE	2.66E-09
Overall asthma	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	-0.003	0.010	0.720	0.011	41.224	TRUE	2.23E-10
Overall asthma	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	-0.019	0.013	0.130	0.046	179.864	TRUE	3.17E-39
Overall asthma	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	-0.001	0.010	0.900	0.012	44.025	TRUE	4.75E-11
Overall asthma	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	0.042	0.019	0.026	0.010	36.653	TRUE	6.45E-09
Overall asthma	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	0.017	0.024	0.470	0.032	123.516	TRUE	8.00E-28
Overall asthma	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	-0.024	0.010	0.018	0.403	2493.113	TRUE	<1E-200
Overall asthma	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	0.010	0.015	0.490	0.023	88.732	TRUE	1.78E-20
Overall asthma	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	-0.003	0.010	0.720	0.025	93.491	TRUE	1.30E-21
Overall asthma	IDUA	cg15138543	rs3822028	C	T	-0.270	0.035	0.125	2.66E-14	0.011	0.015	0.440	0.015	57.943	TRUE	7.07E-14
Overall asthma	IDUA	cg15138543	rs4647931	T	G	-0.459	0.084	0.017	4.02E-08	0.049	0.030	0.100	0.008	30.124	TRUE	1.16E-07
Overall asthma	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	-0.011	0.010	0.260	0.044	168.413	TRUE	5.07E-37
Overall asthma	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	-0.003	0.012	0.840	0.030	113.010	TRUE	8.04E-26
Overall asthma	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	-0.010	0.012	0.430	0.044	170.556	TRUE	1.22E-37
Overall asthma	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	-0.004	0.014	0.760	0.009	34.920	TRUE	5.11E-09
Overall asthma	IDUA	cg15138543	rs6599389	A	G	0.696	0.044	0.080	1.14E-57	0.019	0.018	0.310	0.065	256.094	TRUE	3.40E-55
Overall asthma	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	-0.019	0.020	0.330	0.038	146.399	TRUE	1.62E-32
Overall asthma	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	-0.003	0.014	0.830	0.012	45.151	TRUE	2.84E-11
Overall asthma	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	0.011	0.012	0.360	0.033	125.887	TRUE	3.16E-28
Overall asthma	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	-0.011	0.017	0.540	0.023	86.012	TRUE	6.63E-20
Overall asthma	IDUA	cg15138543	rs900030	C	T	0.335	0.043	0.084	1.08E-14	-0.008	0.018	0.640	0.016	59.714	TRUE	2.42E-14
Overall asthma	IDUA	cg21616051	rs1064839	G	C	0.222	0.026	0.289	4.80E-17	-0.001	0.011	0.940	0.019	70.381	TRUE	9.01E-17
Overall asthma	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	0.018	0.036	0.630	0.063	248.815	TRUE	4.66E-54
Overall asthma	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	0.000	0.011	0.990	0.018	69.409	TRUE	1.40E-16
Overall asthma	IDUA	cg21616051	rs11931773	C	G	0.252	0.028	0.216	7.67E-19	-0.003	0.012	0.800	0.021	78.541	TRUE	1.84E-18
Overall asthma	IDUA	cg21616051	rs141985622	T	A	-0.892	0.106	0.026	4.99E-17	-0.030	0.029	0.290	0.019	70.301	TRUE	2.03E-16
Overall asthma	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	0.001	0.016	0.950	0.053	205.066	TRUE	2.96E-45
Overall asthma	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	-0.020	0.013	0.120	0.022	84.731	TRUE	2.70E-19
Overall asthma	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	0.010	0.015	0.490	0.014	51.718	TRUE	1.47E-12
Overall asthma	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	-0.015	0.010	0.140	0.187	851.571	TRUE	3.68E-171
Overall asthma	IDUA	cg21616051	rs3822028	C	T	0.219	0.036	0.125	7.05E-10	0.011	0.015	0.440	0.010	37.987	TRUE	1.41E-09
Overall asthma	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	-0.011	0.010	0.260	0.026	100.280	TRUE	9.79E-23
Overall asthma	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	-0.010	0.012	0.430	0.018	67.861	TRUE	5.64E-16
Overall asthma	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	0.002	0.017	0.890	0.010	37.160	TRUE	1.50E-09
Overall asthma	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	-0.017	0.020	0.400	0.014	54.084	TRUE	5.17E-13

Overall asthma	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	-0.011	0.017	0.540	0.009	35.104	TRUE	5.68E-09
Overall asthma	IDUA	cg21616051	rs900030	C	T	-0.423	0.043	0.084	1.24E-22	-0.008	0.018	0.640	0.025	95.793	TRUE	4.67E-22
Overall asthma	IDUA	cg21628539	rs6829197	C	G	-0.206	0.030	0.193	6.62E-12	-0.025	0.013	0.051	0.013	47.112	TRUE	3.28E-11
Overall asthma	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	0.025	0.010	0.010	0.011	41.338	TRUE	8.06E-10
Overall asthma	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	-0.002	0.010	0.860	0.010	36.378	TRUE	2.28E-09
Overall asthma	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	0.003	0.029	0.930	0.011	39.940	TRUE	3.61E-10
Overall asthma	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	-0.015	0.013	0.250	0.034	129.133	TRUE	8.45E-29
Overall asthma	IDUA	cg23332689	rs34406303	C	G	0.595	0.042	0.083	5.19E-46	0.015	0.017	0.380	0.052	202.663	TRUE	2.79E-44
Overall asthma	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	-0.011	0.010	0.260	0.013	47.425	TRUE	1.68E-11
Overall asthma	IDUA	cg23332689	rs6829197	C	G	-0.218	0.030	0.193	2.38E-13	-0.025	0.013	0.051	0.014	53.633	TRUE	1.36E-12
Overall asthma	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	-0.002	0.010	0.850	0.009	32.172	TRUE	1.92E-08
Overall asthma	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	-0.019	0.013	0.140	0.017	65.394	TRUE	3.13E-15
Overall asthma	IDUA	cg27494429	rs4647940	G	C	0.268	0.036	0.150	1.51E-13	-0.003	0.013	0.840	0.015	54.525	TRUE	2.65E-13
Overall asthma	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	0.021	0.010	0.036	0.018	66.061	TRUE	3.81E-15
Overall asthma	IFNAR2	cg13208562	rs11088247	G	C	0.828	0.022	0.309	<1E-200	-0.014	0.010	0.170	0.277	1416.769	TRUE	1.41E-272
Overall asthma	IFNAR2	cg13208562	rs17860250	C	G	0.511	0.074	0.045	6.56E-12	-0.052	0.021	0.014	0.013	47.128	TRUE	4.65E-11
Overall asthma	IFNAR2	cg13208562	rs2239573	G	A	-0.230	0.042	0.297	3.45E-08	-0.024	0.010	0.023	0.008	30.418	TRUE	1.50E-07
Overall asthma	IFNAR2	cg13208562	rs2834153	C	T	0.196	0.032	0.493	8.45E-10	0.011	0.010	0.280	0.010	37.633	TRUE	2.12E-09
Overall asthma	IFNAR2	cg13208562	rs2834168	G	A	0.199	0.034	0.299	6.88E-09	-0.007	0.010	0.510	0.009	33.549	TRUE	1.26E-08
Overall asthma	IFNAR2	cg13208562	rs28488669	G	A	-0.230	0.026	0.267	3.31E-18	0.017	0.011	0.110	0.020	75.652	TRUE	2.25E-17
Overall asthma	IFNAR2	cg13208562	rs6517185	G	C	0.159	0.027	0.251	2.37E-09	-0.001	0.011	0.940	0.010	35.623	TRUE	3.15E-09
Overall asthma	IFNAR2	cg13208562	rs73205060	G	A	0.579	0.098	0.014	3.05E-09	-0.071	0.041	0.084	0.009	35.130	TRUE	1.04E-08
Overall asthma	IFNAR2	cg13208562	rs8132172	A	G	-0.285	0.027	0.260	1.10E-26	-0.003	0.011	0.780	0.030	114.278	TRUE	4.62E-26
Overall asthma	IFNAR2	cg13208562	rs999607	G	C	0.274	0.028	0.233	2.12E-23	-0.013	0.011	0.250	0.026	99.294	TRUE	1.65E-22
Overall asthma	IFNAR2	cg17748222	rs2300371	T	C	0.160	0.026	0.279	6.55E-10	-0.011	0.011	0.290	0.010	38.131	TRUE	1.54E-09
Overall asthma	IFNAR2	cg17748222	rs2834150	G	A	0.180	0.025	0.311	1.70E-12	-0.017	0.010	0.110	0.013	49.779	TRUE	7.69E-12
Overall asthma	IFNAR2	cg17748222	rs7509997	A	G	-0.391	0.027	0.242	1.23E-47	0.019	0.011	0.079	0.054	210.112	TRUE	2.52E-45
Overall asthma	IFNAR2	cg17748222	rs762238	G	T	0.180	0.031	0.175	6.42E-09	-0.005	0.013	0.730	0.009	33.684	TRUE	9.77E-09
Overall asthma	IFNAR2	cg17748222	rs77329475	G	T	-0.384	0.067	0.031	1.13E-08	0.046	0.025	0.062	0.009	32.582	TRUE	3.86E-08
Overall asthma	IFNAR2	cg17977197	rs2834160	C	T	-0.185	0.030	0.180	9.67E-10	0.030	0.012	0.014	0.010	37.370	TRUE	5.37E-09
Overall asthma	IFNAR2	cg17977197	rs4817548	A	G	0.194	0.032	0.150	1.86E-09	0.003	0.013	0.830	0.010	36.094	TRUE	2.70E-09
Overall asthma	IFNGR2	cg08173915	rs10775653	C	G	0.368	0.024	0.374	3.43E-53	0.002	0.010	0.820	0.060	235.559	TRUE	1.70E-51
Overall asthma	IFNGR2	cg08173915	rs4817580	A	G	-0.213	0.039	0.110	3.89E-08	-0.003	0.016	0.870	0.008	30.187	TRUE	5.15E-08
Overall asthma	IFNGR2	cg10572943	rs13052087	T	C	0.489	0.027	0.221	1.58E-71	0.025	0.011	0.027	0.080	319.657	TRUE	2.74E-67
Overall asthma	IFNGR2	cg10572943	rs148257985	C	T	0.441	0.064	0.029	5.51E-12	-0.009	0.027	0.750	0.013	47.472	TRUE	9.61E-12
Overall asthma	IFNGR2	cg10572943	rs2298677	G	A	0.184	0.031	0.158	4.19E-09	0.010	0.013	0.420	0.009	34.516	TRUE	8.17E-09
Overall asthma	IFNGR2	cg10572943	rs2409495	A	G	-0.188	0.030	0.189	6.97E-10	0.004	0.012	0.760	0.010	38.009	TRUE	1.08E-09
Overall asthma	IFNGR2	cg10572943	rs2834270	A	G	-0.143	0.025	0.338	5.07E-09	0.013	0.010	0.190	0.009	34.143	TRUE	1.33E-08
Overall asthma	IFNGR2	cg10572943	rs7277167	T	C	-0.278	0.038	0.114	1.46E-13	-0.006	0.016	0.710	0.015	54.594	TRUE	2.85E-13
Overall asthma	IFNGR2	cg14850771	rs146747530	A	G	0.794	0.095	0.017	5.12E-17	-0.058	0.035	0.100	0.019	70.252	TRUE	3.41E-16
Overall asthma	IFNGR2	cg14850771	rs1892588	A	G	-0.210	0.023	0.480	1.90E-19	0.009	0.010	0.370	0.022	81.299	TRUE	8.21E-19
Overall asthma	IFNGR2	cg14850771	rs2243600	T	G	0.179	0.026	0.280	6.69E-12	-0.007	0.011	0.530	0.013	47.090	TRUE	1.41E-11

Overall asthma	IFNGR2	cg14850771	rs2834207	G	C	0.230	0.025	0.319	8.31E-21	0.011	0.010	0.290	0.023	87.481	TRUE	4.83E-20
Overall asthma	IFNGR2	cg14850771	rs7282780	A	T	-0.199	0.025	0.344	2.23E-15	-0.002	0.010	0.840	0.017	62.821	TRUE	4.28E-15
Overall asthma	IFNGR2	cg14850771	rs75500040	C	T	0.842	0.087	0.019	3.38E-22	-0.013	0.033	0.700	0.025	93.816	TRUE	1.15E-21
Overall asthma	IFNGR2	cg14850771	rs8134145	C	A	1.029	0.032	0.147	5.86E-234	-0.018	0.014	0.200	0.224	1066.071	TRUE	8.14E-211
Overall asthma	IFNGR2	cg14850771	rs9631188	A	G	0.939	0.142	0.010	3.32E-11	-0.007	0.036	0.840	0.012	43.957	TRUE	5.15E-11
Overall asthma	IFNGR2	cg14850771	rs9647067	A	G	-0.203	0.024	0.356	3.48E-17	0.000	0.010	1.000	0.019	71.011	TRUE	6.24E-17
Overall asthma	IFNGR2	cg20817150	rs7277167	T	C	-0.264	0.038	0.114	2.01E-12	-0.006	0.016	0.710	0.013	49.446	TRUE	3.69E-12
Overall asthma	IFNGR2	cg20817150	rs9976971	A	G	0.231	0.024	0.431	1.48E-22	-0.005	0.010	0.620	0.025	95.453	TRUE	5.66E-22
Overall asthma	IFNGR2	cg22212414	rs12626309	T	A	0.561	0.027	0.223	1.40E-95	0.026	0.011	0.020	0.104	430.070	TRUE	2.76E-89
Overall asthma	IFNGR2	cg22212414	rs13051355	T	C	0.238	0.041	0.094	5.21E-09	0.016	0.016	0.310	0.009	34.093	TRUE	1.15E-08
Overall asthma	IFNGR2	cg22212414	rs148257985	C	T	0.517	0.064	0.029	4.48E-16	-0.009	0.027	0.750	0.018	65.976	TRUE	9.77E-16
Overall asthma	IFNGR2	cg22212414	rs2298677	G	A	0.210	0.031	0.158	2.10E-11	0.010	0.013	0.420	0.012	44.849	TRUE	4.75E-11
Overall asthma	IFNGR2	cg22212414	rs2409495	A	G	-0.206	0.030	0.189	1.15E-11	0.004	0.012	0.760	0.012	46.027	TRUE	1.95E-11
Overall asthma	IFNGR2	cg22212414	rs2834270	A	G	-0.159	0.024	0.338	9.12E-11	0.013	0.010	0.190	0.011	41.978	TRUE	2.75E-10
Overall asthma	IFNGR2	cg22212414	rs7277167	T	C	-0.316	0.037	0.114	3.27E-17	-0.006	0.016	0.710	0.019	71.136	TRUE	7.87E-17
Overall asthma	IFNGR2	cg22669060	rs1804385	G	C	0.356	0.028	0.223	3.88E-38	0.024	0.011	0.034	0.043	166.617	TRUE	4.27E-36
Overall asthma	IFNGR2	cg22669060	rs34640959	A	G	0.455	0.070	0.025	9.84E-11	-0.032	0.030	0.290	0.011	41.831	TRUE	2.56E-10
Overall asthma	IFNGR2	cg22669060	rs6517169	C	T	0.177	0.024	0.353	3.40E-13	0.003	0.010	0.750	0.014	52.933	TRUE	6.33E-13
Overall asthma	IFNGR2	cg24865779	rs12626309	T	A	0.590	0.027	0.223	4.63E-105	0.026	0.011	0.020	0.114	473.607	TRUE	6.99E-98
Overall asthma	IFNGR2	cg24865779	rs13051355	T	C	0.232	0.041	0.094	1.25E-08	0.016	0.016	0.310	0.009	32.394	TRUE	2.68E-08
Overall asthma	IFNGR2	cg24865779	rs2409495	A	G	-0.202	0.030	0.189	3.21E-11	0.004	0.012	0.760	0.012	44.022	TRUE	5.31E-11
Overall asthma	IFNGR2	cg24865779	rs34640959	A	G	0.588	0.070	0.025	6.69E-17	-0.032	0.030	0.290	0.019	69.724	TRUE	2.77E-16
Overall asthma	IFNGR2	cg24865779	rs7277167	T	C	-0.308	0.038	0.114	2.34E-16	-0.006	0.016	0.710	0.018	67.253	TRUE	5.36E-16
Overall asthma	IFNGR2	cg27469991	rs2834233	G	A	-0.301	0.038	0.103	3.83E-15	-0.016	0.016	0.330	0.016	61.750	TRUE	1.32E-14
Overall asthma	IFNGR2	cg27469991	rs9975466	C	T	0.268	0.043	0.095	3.71E-10	-0.012	0.017	0.490	0.010	39.238	TRUE	7.45E-10
Overall asthma	IFNGR2	cg27469991	rs9976971	A	G	0.254	0.024	0.431	4.21E-27	-0.005	0.010	0.620	0.030	116.178	TRUE	2.27E-26
Overall asthma	IL13	cg04303330	rs17622656	A	G	0.187	0.024	0.375	1.04E-14	-0.070	0.010	5.40E-13	0.016	59.779	TRUE	2.70E-12
Overall asthma	IL13	cg04303330	rs1881457	C	A	-0.530	0.030	0.193	1.05E-71	0.094	0.013	6.80E-14	0.080	320.468	TRUE	6.40E-64
Overall asthma	IL13	cg04303330	rs2069812	A	G	0.163	0.026	0.310	1.99E-10	-0.052	0.010	6.50E-07	0.011	40.457	TRUE	5.79E-09
Overall asthma	IL13	cg04303330	rs2237057	G	A	-0.153	0.027	0.245	2.19E-08	0.025	0.011	0.026	0.008	31.301	TRUE	9.11E-08
Overall asthma	IL13	cg13566430	rs17622656	A	G	0.157	0.024	0.375	8.47E-11	-0.070	0.010	5.40E-13	0.011	42.123	TRUE	8.14E-09
Overall asthma	IL13	cg13566430	rs2069812	A	G	0.141	0.026	0.310	3.93E-08	-0.052	0.010	6.50E-07	0.008	30.170	TRUE	6.94E-07
Overall asthma	IL13	cg13566430	rs4705963	A	G	-0.153	0.027	0.251	1.38E-08	0.022	0.011	0.047	0.009	32.202	TRUE	5.07E-08
Overall asthma	IL13	cg13566430	rs7700346	A	G	-0.446	0.030	0.193	6.69E-51	0.096	0.013	1.80E-14	0.057	225.062	TRUE	5.12E-45
Overall asthma	IL1A	cg23407561	rs11676014	A	G	0.165	0.023	0.437	1.37E-12	0.012	0.010	0.200	0.013	50.202	TRUE	4.58E-12
Overall asthma	IL1A	cg23974023	rs3783520	T	C	-0.272	0.025	0.302	1.09E-26	0.003	0.010	0.810	0.030	114.299	TRUE	4.43E-26
Overall asthma	IL1A	cg23974023	rs3811042	A	G	0.151	0.024	0.434	3.06E-10	-0.024	0.010	0.013	0.011	39.615	TRUE	1.80E-09
Overall asthma	IL1A	cg23974023	rs7567467	T	G	0.216	0.036	0.124	1.26E-09	-0.011	0.014	0.460	0.010	36.861	TRUE	2.56E-09
Overall asthma	IL1A	cg27368523	rs3827763	A	G	0.140	0.025	0.315	3.86E-08	-0.004	0.010	0.710	0.008	30.202	TRUE	5.76E-08
Overall asthma	IL1A	cg27368523	rs6746923	A	G	0.213	0.024	0.392	8.04E-19	-0.021	0.010	0.027	0.021	78.447	TRUE	9.50E-18
Overall asthma	IL4R	cg01165142	rs2057768	T	C	0.144	0.025	0.311	1.23E-08	0.049	0.010	2.40E-06	0.009	32.418	TRUE	2.09E-07
Overall asthma	IL4R	cg26937798	rs12445654	A	G	-0.241	0.043	0.076	2.69E-08	0.019	0.018	0.290	0.008	30.906	TRUE	5.81E-08

Overall asthma	IL4R	cg26937798	rs1805012	C	T	-0.264	0.038	0.100	2.88E-12	-0.029	0.015	0.044	0.013	48.743	TRUE	1.49E-11
Overall asthma	IL4R	cg26937798	rs6498011	A	G	0.427	0.023	0.402	2.52E-74	0.039	0.010	6.70E-05	0.082	332.487	TRUE	1.27E-68
Overall asthma	IL4R	cg26937798	rs8044444	T	C	-0.471	0.032	0.147	3.86E-48	-0.004	0.013	0.760	0.054	212.413	TRUE	1.21E-46
Overall asthma	IL6	cg00087425	rs2905333	A	G	-0.131	0.024	0.383	3.23E-08	0.025	0.010	0.010	0.008	30.548	TRUE	1.50E-07
Overall asthma	IL6	cg01770232	rs1524107	T	C	1.308	0.057	0.041	3.04E-116	0.001	0.024	0.960	0.124	524.972	TRUE	4.37E-110
Overall asthma	IL6	cg01770232	rs59084784	A	C	0.228	0.025	0.336	6.48E-20	0.029	0.010	0.004	0.022	83.421	TRUE	1.64E-18
Overall asthma	IL6	cg01770232	rs6461665	A	G	0.193	0.025	0.289	3.67E-14	-0.005	0.011	0.640	0.015	57.308	TRUE	7.91E-14
Overall asthma	IL6	cg01770232	rs7787688	T	C	0.148	0.024	0.406	8.46E-10	0.033	0.010	9.10E-04	0.010	37.630	TRUE	7.47E-09
Overall asthma	IL6	cg02335517	rs73276350	G	A	0.419	0.059	0.042	8.09E-13	-0.003	0.023	0.910	0.014	51.232	TRUE	1.28E-12
Overall asthma	IL6	cg05265849	rs10229508	A	G	-0.194	0.029	0.214	1.24E-11	-0.006	0.011	0.580	0.012	45.877	TRUE	2.51E-11
Overall asthma	IL6	cg05265849	rs10261653	A	C	0.380	0.034	0.142	1.24E-29	0.003	0.014	0.820	0.033	127.729	TRUE	6.19E-29
Overall asthma	IL6	cg05265849	rs10269926	G	A	0.188	0.024	0.372	1.88E-14	0.010	0.010	0.290	0.016	58.627	TRUE	6.17E-14
Overall asthma	IL6	cg05265849	rs116941259	T	C	-0.501	0.092	0.019	4.95E-08	-0.045	0.037	0.220	0.008	29.721	TRUE	1.14E-07
Overall asthma	IL6	cg05265849	rs117122223	G	T	-0.345	0.031	0.177	8.37E-29	-0.011	0.012	0.370	0.032	123.947	TRUE	8.08E-28
Overall asthma	IL6	cg05265849	rs117814509	G	A	0.404	0.063	0.035	1.24E-10	0.056	0.025	0.026	0.011	41.371	TRUE	6.57E-10
Overall asthma	IL6	cg05265849	rs117841439	T	C	-0.363	0.037	0.111	2.59E-22	-0.007	0.015	0.660	0.025	94.339	TRUE	9.29E-22
Overall asthma	IL6	cg05265849	rs12700386	G	C	0.368	0.029	0.210	7.59E-38	0.039	0.012	9.60E-04	0.043	165.282	TRUE	2.89E-35
Overall asthma	IL6	cg05265849	rs150653978	G	C	-0.513	0.062	0.036	2.00E-16	0.002	0.026	0.930	0.018	67.563	TRUE	3.72E-16
Overall asthma	IL6	cg05265849	rs17146997	G	A	0.235	0.026	0.297	1.56E-19	0.018	0.011	0.091	0.022	81.689	TRUE	1.29E-18
Overall asthma	IL6	cg05265849	rs1800797	A	G	-0.926	0.019	0.416	<1E-200	-0.039	0.010	5.40E-05	0.390	2365.746	TRUE	<1E-200
Overall asthma	IL6	cg05265849	rs183156925	A	T	0.359	0.045	0.071	1.09E-15	0.008	0.019	0.670	0.017	64.227	TRUE	2.49E-15
Overall asthma	IL6	cg05265849	rs2905345	A	G	-0.398	0.027	0.256	4.93E-50	-0.002	0.011	0.880	0.056	221.089	TRUE	1.52E-48
Overall asthma	IL6	cg05265849	rs3094974	G	A	-0.181	0.024	0.368	7.22E-14	-0.020	0.010	0.038	0.015	55.978	TRUE	4.65E-13
Overall asthma	IL6	cg05265849	rs4722197	T	A	-0.180	0.024	0.379	1.78E-13	0.002	0.010	0.850	0.014	54.209	TRUE	3.04E-13
Overall asthma	IL6	cg05265849	rs55733027	G	A	-0.509	0.059	0.042	8.68E-18	0.007	0.024	0.780	0.020	73.752	TRUE	2.01E-17
Overall asthma	IL6	cg05265849	rs56015132	T	G	0.244	0.032	0.154	3.56E-14	-0.018	0.013	0.140	0.015	57.366	TRUE	1.50E-13
Overall asthma	IL6	cg05265849	rs62449525	T	C	0.435	0.036	0.111	6.99E-33	-0.006	0.015	0.700	0.037	142.578	TRUE	5.37E-32
Overall asthma	IL6	cg05265849	rs71524096	G	C	0.274	0.045	0.073	1.53E-09	0.002	0.017	0.900	0.010	36.475	TRUE	2.11E-09
Overall asthma	IL6	cg05265849	rs75378332	T	A	-0.489	0.062	0.043	3.72E-15	-0.011	0.023	0.640	0.016	61.812	TRUE	8.64E-15
Overall asthma	IL6	cg05265849	rs75902902	C	G	-0.510	0.048	0.059	1.40E-26	-0.034	0.020	0.084	0.030	113.790	TRUE	2.45E-25
Overall asthma	IL6	cg05472934	rs10229508	A	G	-0.175	0.029	0.214	8.84E-10	-0.006	0.011	0.580	0.010	37.544	TRUE	1.60E-09
Overall asthma	IL6	cg05472934	rs116941259	T	C	-0.602	0.092	0.019	4.93E-11	-0.045	0.037	0.220	0.012	43.181	TRUE	1.44E-10
Overall asthma	IL6	cg05472934	rs117122223	G	T	-0.280	0.031	0.177	2.02E-19	-0.011	0.012	0.370	0.021	81.178	TRUE	8.95E-19
Overall asthma	IL6	cg05472934	rs11768563	G	A	0.197	0.028	0.221	3.59E-12	0.026	0.012	0.023	0.013	48.313	TRUE	2.14E-11
Overall asthma	IL6	cg05472934	rs12530998	T	A	-0.159	0.024	0.392	4.18E-11	-0.004	0.010	0.680	0.012	43.506	TRUE	7.38E-11
Overall asthma	IL6	cg05472934	rs2069861	T	C	-0.570	0.058	0.085	7.35E-23	-0.034	0.016	0.039	0.026	96.831	TRUE	1.31E-21
Overall asthma	IL6	cg05472934	rs2905322	A	C	0.160	0.027	0.272	1.74E-09	0.018	0.011	0.093	0.010	36.223	TRUE	5.74E-09
Overall asthma	IL6	cg05472934	rs2905345	A	G	-0.267	0.027	0.256	5.12E-23	-0.002	0.011	0.880	0.026	97.549	TRUE	1.46E-22
Overall asthma	IL6	cg05472934	rs377767225	A	G	-0.282	0.036	0.121	2.25E-15	-0.018	0.015	0.220	0.017	62.802	TRUE	9.14E-15
Overall asthma	IL6	cg05472934	rs4310110	C	T	0.280	0.044	0.153	2.33E-10	-0.008	0.013	0.550	0.011	40.144	TRUE	4.49E-10
Overall asthma	IL6	cg05472934	rs4379365	T	C	0.142	0.026	0.311	3.27E-08	0.013	0.010	0.200	0.008	30.525	TRUE	7.99E-08
Overall asthma	IL6	cg05472934	rs55733027	G	A	-0.377	0.059	0.042	1.89E-10	0.007	0.024	0.780	0.011	40.553	TRUE	2.96E-10

Overall asthma	IL6	cg05472934	rs62449487	C	A	0.233	0.027	0.253	3.64E-18	0.032	0.011	0.003	0.020	75.466	TRUE	7.47E-17
Overall asthma	IL6	cg05472934	rs62449525	T	C	0.346	0.036	0.111	2.26E-21	-0.006	0.015	0.700	0.024	90.057	TRUE	7.18E-21
Overall asthma	IL6	cg05472934	rs6962836	G	A	0.190	0.033	0.137	1.16E-08	0.027	0.014	0.053	0.009	32.528	TRUE	4.16E-08
Overall asthma	IL6	cg05472934	rs73274210	G	A	0.440	0.038	0.106	9.93E-31	0.013	0.016	0.420	0.035	132.742	TRUE	1.02E-29
Overall asthma	IL6	cg05472934	rs75902902	C	G	-0.415	0.048	0.059	4.21E-18	-0.034	0.020	0.084	0.020	75.180	TRUE	3.21E-17
Overall asthma	IL6	cg05472934	rs7779799	T	C	0.337	0.059	0.077	1.06E-08	-0.007	0.019	0.710	0.009	32.711	TRUE	1.62E-08
Overall asthma	IL6	cg05472934	rs7811929	T	C	0.183	0.024	0.386	3.03E-14	0.004	0.010	0.710	0.015	57.687	TRUE	6.19E-14
Overall asthma	IL6	cg07998387	rs1524107	T	C	0.620	0.058	0.041	2.22E-26	0.001	0.024	0.960	0.030	112.883	TRUE	7.19E-26
Overall asthma	IL6	cg07998387	rs35779989	A	C	-0.146	0.023	0.441	4.56E-10	-0.034	0.010	5.10E-04	0.010	38.837	TRUE	4.81E-09
Overall asthma	IL6	cg13104385	rs10229508	A	G	-0.204	0.029	0.214	9.54E-13	-0.006	0.011	0.580	0.014	50.909	TRUE	2.06E-12
Overall asthma	IL6	cg13104385	rs10261653	A	C	0.390	0.034	0.142	3.43E-31	0.003	0.014	0.820	0.035	134.851	TRUE	1.93E-30
Overall asthma	IL6	cg13104385	rs10269926	G	A	0.220	0.024	0.372	2.37E-19	0.010	0.010	0.290	0.021	80.858	TRUE	1.13E-18
Overall asthma	IL6	cg13104385	rs111372030	A	G	-0.404	0.043	0.078	8.68E-21	-0.050	0.018	0.005	0.023	87.395	TRUE	2.20E-19
Overall asthma	IL6	cg13104385	rs113688526	A	G	-0.277	0.048	0.061	1.12E-08	0.003	0.020	0.890	0.009	32.596	TRUE	1.51E-08
Overall asthma	IL6	cg13104385	rs115622312	T	C	0.465	0.032	0.154	8.90E-49	-0.001	0.013	0.940	0.055	215.332	TRUE	2.15E-47
Overall asthma	IL6	cg13104385	rs117122223	G	T	-0.393	0.031	0.177	4.50E-37	-0.011	0.012	0.370	0.042	161.747	TRUE	9.58E-36
Overall asthma	IL6	cg13104385	rs117841439	T	C	-0.408	0.037	0.111	6.87E-28	-0.007	0.015	0.660	0.031	119.771	TRUE	3.73E-27
Overall asthma	IL6	cg13104385	rs117914483	C	T	0.462	0.058	0.049	1.94E-15	0.046	0.023	0.043	0.017	63.094	TRUE	1.44E-14
Overall asthma	IL6	cg13104385	rs12535219	G	C	0.524	0.029	0.187	2.16E-72	0.008	0.013	0.540	0.080	323.615	TRUE	2.64E-69
Overall asthma	IL6	cg13104385	rs13238288	G	A	0.342	0.031	0.187	4.54E-29	-0.005	0.012	0.710	0.033	125.158	TRUE	2.55E-28
Overall asthma	IL6	cg13104385	rs1362163	G	A	0.163	0.030	0.179	4.86E-08	0.019	0.013	0.130	0.008	29.755	TRUE	1.28E-07
Overall asthma	IL6	cg13104385	rs149330927	A	G	-0.567	0.098	0.015	6.93E-09	-0.051	0.037	0.170	0.009	33.537	TRUE	1.87E-08
Overall asthma	IL6	cg13104385	rs150653978	G	C	-0.580	0.062	0.036	1.28E-20	0.002	0.026	0.930	0.023	86.627	TRUE	3.00E-20
Overall asthma	IL6	cg13104385	rs1595126	A	G	0.248	0.042	0.093	3.51E-09	0.015	0.017	0.370	0.009	34.860	TRUE	7.34E-09
Overall asthma	IL6	cg13104385	rs183156925	A	T	0.441	0.045	0.071	5.48E-23	0.008	0.019	0.670	0.026	97.414	TRUE	2.00E-22
Overall asthma	IL6	cg13104385	rs227917	C	A	0.150	0.027	0.241	2.94E-08	-0.003	0.011	0.790	0.008	30.732	TRUE	4.14E-08
Overall asthma	IL6	cg13104385	rs2905341	T	C	-0.637	0.104	0.033	7.92E-10	-0.014	0.025	0.580	0.010	37.759	TRUE	1.43E-09
Overall asthma	IL6	cg13104385	rs2905345	A	G	-0.468	0.027	0.256	2.45E-69	-0.002	0.011	0.880	0.077	309.607	TRUE	8.87E-67
Overall asthma	IL6	cg13104385	rs2905350	C	G	0.355	0.025	0.317	7.72E-46	0.033	0.011	0.002	0.052	201.873	TRUE	6.78E-43
Overall asthma	IL6	cg13104385	rs3094974	G	A	-0.212	0.024	0.368	1.91E-18	-0.020	0.010	0.038	0.020	76.740	TRUE	1.96E-17
Overall asthma	IL6	cg13104385	rs34240824	T	C	0.267	0.027	0.278	8.57E-24	0.028	0.011	0.012	0.027	101.084	TRUE	2.51E-22
Overall asthma	IL6	cg13104385	rs55733027	G	A	-0.595	0.059	0.042	7.84E-24	0.007	0.024	0.780	0.027	101.261	TRUE	2.67E-23
Overall asthma	IL6	cg13104385	rs6962836	G	A	0.242	0.033	0.137	3.55E-13	0.027	0.014	0.053	0.014	52.849	TRUE	2.00E-12
Overall asthma	IL6	cg13104385	rs75378332	T	A	-0.557	0.062	0.043	2.86E-19	-0.011	0.023	0.640	0.021	80.492	TRUE	8.61E-19
Overall asthma	IL6	cg13104385	rs7776857	G	T	-0.860	0.021	0.347	<1E-200	-0.030	0.010	0.003	0.311	1667.117	TRUE	<1E-200
Overall asthma	IL6	cg13104385	rs7782981	T	C	0.199	0.027	0.260	2.73E-13	0.007	0.011	0.550	0.014	53.368	TRUE	6.15E-13
Overall asthma	IL6	cg13104385	rs78578221	C	T	0.353	0.065	0.033	4.63E-08	0.012	0.028	0.670	0.008	29.851	TRUE	7.06E-08
Overall asthma	IL6	cg15703690	rs2905333	A	G	-0.250	0.024	0.383	1.01E-25	0.025	0.010	0.010	0.029	109.878	TRUE	3.64E-24
Overall asthma	IL6	cg15703690	rs34680848	A	G	0.157	0.024	0.482	2.40E-11	-0.018	0.010	0.056	0.012	44.592	TRUE	1.09E-10
Overall asthma	IL6	cg17067544	rs11766273	A	G	-0.285	0.044	0.072	1.10E-10	-0.027	0.018	0.130	0.011	41.604	TRUE	3.74E-10
Overall asthma	IL6	cg26061582	rs113952113	A	G	0.182	0.029	0.209	1.77E-10	-0.006	0.012	0.580	0.011	40.682	TRUE	3.26E-10
Overall asthma	IL6	cg26061582	rs117122223	G	T	-0.211	0.031	0.177	1.28E-11	-0.011	0.012	0.370	0.012	45.824	TRUE	3.22E-11

Overall asthma	IL6	cg26061582	rs117841439	T	C	-0.248	0.037	0.111	3.26E-11	-0.007	0.015	0.660	0.012	43.992	TRUE	5.89E-11
Overall asthma	IL6	cg26061582	rs1524107	T	C	1.141	0.057	0.041	1.14E-87	0.001	0.024	0.960	0.096	393.745	TRUE	6.27E-84
Overall asthma	IL6	cg26061582	rs1800797	A	G	-0.619	0.023	0.416	2.31E-165	-0.039	0.010	5.40E-05	0.169	750.701	TRUE	1.79E-149
Overall asthma	IL6	cg26061582	rs2905345	A	G	-0.275	0.027	0.256	1.39E-24	-0.002	0.011	0.880	0.028	104.691	TRUE	4.39E-24
Overall asthma	IL6	cg26061582	rs2961286	T	G	0.202	0.026	0.273	1.50E-14	0.029	0.011	0.007	0.016	59.068	TRUE	1.61E-13
Overall asthma	IL6	cg26061582	rs62449525	T	C	0.330	0.036	0.111	1.42E-19	-0.006	0.015	0.700	0.022	81.868	TRUE	4.02E-19
Overall asthma	IL6	cg26061582	rs75378332	T	A	-0.366	0.062	0.043	3.86E-09	-0.011	0.023	0.640	0.009	34.676	TRUE	6.39E-09
Overall asthma	IL6	cg26061582	rs75902902	C	G	-0.303	0.048	0.059	2.52E-10	-0.034	0.020	0.084	0.011	39.991	TRUE	9.33E-10
Overall asthma	IL7	cg01819306	rs28703878	G	A	0.176	0.028	0.284	6.67E-10	-0.002	0.011	0.850	0.010	38.093	TRUE	9.65E-10
Overall asthma	IL7	cg01819306	rs72669415	T	C	0.721	0.043	0.089	1.04E-62	0.036	0.016	0.027	0.070	279.193	TRUE	4.07E-59
Overall asthma	IL7	cg01819306	rs74865256	C	T	0.515	0.092	0.017	2.19E-08	0.001	0.032	0.970	0.008	31.299	TRUE	2.74E-08
Overall asthma	IL7	cg01819306	rs79092811	T	A	0.403	0.052	0.067	8.09E-15	0.028	0.019	0.130	0.016	60.281	TRUE	3.85E-14
Overall asthma	IL7	cg05490029	rs11776228	T	C	-0.503	0.055	0.053	3.86E-20	0.020	0.021	0.350	0.022	84.448	TRUE	1.87E-19
Overall asthma	IL7	cg05490029	rs192625361	C	A	-0.235	0.039	0.119	1.64E-09	0.020	0.015	0.190	0.010	36.346	TRUE	4.54E-09
Overall asthma	IL7	cg05490029	rs3888020	A	C	-0.303	0.026	0.373	7.81E-32	0.004	0.010	0.720	0.036	137.788	TRUE	5.31E-31
Overall asthma	IL7	cg05490029	rs4739140	C	T	0.352	0.026	0.399	1.39E-41	-0.001	0.010	0.930	0.047	182.385	TRUE	1.66E-40
Overall asthma	IL7	cg05490029	rs4739141	T	C	-0.200	0.032	0.197	5.32E-10	0.002	0.012	0.890	0.010	38.535	TRUE	7.51E-10
Overall asthma	IL7	cg05490029	rs6984723	A	C	-0.181	0.027	0.330	2.47E-11	0.012	0.010	0.230	0.012	44.536	TRUE	7.31E-11
Overall asthma	IL7	cg05490029	rs72669425	T	G	-0.493	0.028	0.275	1.18E-71	0.004	0.011	0.680	0.080	320.235	TRUE	9.19E-69
Overall asthma	IL7	cg05490029	rs7825423	T	C	-0.210	0.026	0.480	1.72E-16	0.003	0.010	0.720	0.018	67.868	TRUE	3.93E-16
Overall asthma	IL7	cg05490029	rs78445112	T	G	-0.566	0.082	0.023	3.97E-12	-0.027	0.029	0.350	0.013	48.115	TRUE	1.05E-11
Overall asthma	IL7	cg05490029	rs922726	C	G	-0.246	0.042	0.097	6.31E-09	-0.008	0.016	0.600	0.009	33.719	TRUE	1.06E-08
Overall asthma	IL7	cg11931596	rs10504706	A	T	0.313	0.040	0.116	2.49E-15	0.030	0.015	0.048	0.017	62.597	TRUE	1.84E-14
Overall asthma	IL7	cg11931596	rs11778216	A	G	0.228	0.040	0.110	1.18E-08	0.017	0.015	0.280	0.009	32.503	TRUE	2.73E-08
Overall asthma	IL7	cg11931596	rs1971371	A	G	0.190	0.026	0.480	1.26E-13	0.000	0.010	0.980	0.015	54.878	TRUE	1.95E-13
Overall asthma	IL7	cg11931596	rs2012321	T	C	0.218	0.032	0.198	1.00E-11	0.003	0.012	0.820	0.012	46.298	TRUE	1.62E-11
Overall asthma	IL7	cg11931596	rs4739140	C	T	-0.326	0.026	0.399	7.58E-36	-0.001	0.010	0.930	0.041	156.135	TRUE	5.36E-35
Overall asthma	IL7	cg11931596	rs4739147	T	G	0.352	0.056	0.058	3.74E-10	0.024	0.022	0.280	0.010	39.225	TRUE	9.45E-10
Overall asthma	IL7	cg11931596	rs62517781	G	C	0.246	0.035	0.162	1.54E-12	0.007	0.013	0.590	0.013	49.969	TRUE	3.17E-12
Overall asthma	IL7	cg11931596	rs6984723	A	C	0.197	0.027	0.330	3.76E-13	0.012	0.010	0.230	0.014	52.737	TRUE	1.28E-12
Overall asthma	IL7	cg11931596	rs6993386	G	A	0.312	0.027	0.312	1.94E-31	-0.006	0.010	0.560	0.035	135.984	TRUE	1.70E-30
Overall asthma	IL7	cg11931596	rs72669425	T	G	0.600	0.027	0.275	3.02E-108	0.004	0.011	0.680	0.117	488.236	TRUE	1.67E-102
Overall asthma	IL7	cg11931596	rs77259059	G	A	0.664	0.110	0.014	1.67E-09	-0.014	0.040	0.740	0.010	36.304	TRUE	2.62E-09
Overall asthma	IL7	cg11931596	rs77359662	A	G	0.633	0.091	0.022	2.82E-12	-0.018	0.036	0.610	0.013	48.786	TRUE	5.62E-12
Overall asthma	IL7	cg11931596	rs79961280	G	T	0.467	0.068	0.038	4.91E-12	-0.014	0.023	0.530	0.013	47.696	TRUE	1.04E-11
Overall asthma	IL7	cg20573931	rs7822255	T	C	0.208	0.027	0.313	2.10E-14	0.005	0.010	0.610	0.016	58.406	TRUE	4.81E-14
Overall asthma	IL7	cg25465344	rs76667999	T	G	-0.462	0.065	0.088	1.64E-12	0.035	0.017	0.035	0.013	49.844	TRUE	9.46E-12
Overall asthma	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	-0.013	0.010	0.180	0.031	118.669	TRUE	1.66E-26
Overall asthma	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	-0.022	0.011	0.048	0.057	224.451	TRUE	4.15E-48
Overall asthma	INF2	cg02305961	rs61758556	T	A	0.219	0.036	0.142	1.25E-09	-0.022	0.013	0.100	0.010	36.873	TRUE	4.30E-09
Overall asthma	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	-0.037	0.013	0.006	0.034	131.224	TRUE	1.89E-28
Overall asthma	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	-0.040	0.013	0.002	0.013	48.825	TRUE	3.02E-11

Overall asthma	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	-0.004	0.010	0.730	0.008	31.282	TRUE	3.29E-08
Overall asthma	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	-0.004	0.010	0.700	0.021	79.141	TRUE	1.55E-18
Overall asthma	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	-0.013	0.010	0.180	0.094	383.550	TRUE	7.81E-81
Overall asthma	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	-0.013	0.010	0.180	0.018	68.785	TRUE	5.56E-16
Overall asthma	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	0.006	0.011	0.610	0.017	62.938	TRUE	5.10E-15
Overall asthma	INF2	cg04573078	rs2498802	C	G	0.190	0.025	0.337	1.33E-14	-0.006	0.010	0.570	0.016	59.301	TRUE	3.23E-14
Overall asthma	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	-0.011	0.010	0.240	0.084	340.911	TRUE	2.04E-72
Overall asthma	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.045	0.016	0.006	0.010	37.644	TRUE	5.62E-09
Overall asthma	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	-0.022	0.011	0.048	0.022	84.464	TRUE	4.59E-19
Overall asthma	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	-0.022	0.011	0.048	0.023	87.021	TRUE	1.33E-19
Overall asthma	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	0.051	0.017	0.003	0.028	107.959	TRUE	1.44E-23
Overall asthma	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	-0.035	0.014	0.010	0.010	35.564	TRUE	1.29E-08
Overall asthma	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	0.000	0.010	0.960	0.071	282.331	TRUE	2.93E-61
Overall asthma	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	0.014	0.017	0.400	0.093	377.804	TRUE	4.25E-80
Overall asthma	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	-0.035	0.014	0.010	0.011	39.333	TRUE	2.07E-09
Overall asthma	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	0.000	0.010	0.960	0.087	352.114	TRUE	1.64E-75
Overall asthma	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	0.014	0.017	0.400	0.121	508.213	TRUE	4.55E-106
Overall asthma	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	-0.013	0.010	0.180	0.011	39.846	TRUE	8.21E-10
Overall asthma	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	0.009	0.022	0.700	0.010	37.103	TRUE	1.81E-09
Overall asthma	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	0.035	0.017	0.035	0.085	345.647	TRUE	1.12E-72
Overall asthma	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	-0.018	0.015	0.220	0.019	71.597	TRUE	1.23E-16
Overall asthma	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	0.015	0.019	0.420	0.031	116.484	TRUE	2.65E-26
Overall asthma	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	0.010	0.011	0.340	0.202	937.870	TRUE	7.22E-188
Overall asthma	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	-0.014	0.015	0.330	0.016	58.649	TRUE	5.77E-14
Overall asthma	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	0.028	0.012	0.024	0.012	44.800	TRUE	1.31E-10
Overall asthma	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	0.010	0.011	0.340	0.023	85.568	TRUE	1.04E-19
Overall asthma	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.045	0.016	0.006	0.010	36.206	TRUE	1.13E-08
Overall asthma	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	-0.040	0.013	0.002	0.010	39.191	TRUE	3.10E-09
Overall asthma	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	0.047	0.057	0.410	0.029	110.722	TRUE	4.52E-25
Overall asthma	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	-0.009	0.011	0.440	0.053	207.549	TRUE	2.40E-45
Overall asthma	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	0.019	0.017	0.260	0.100	409.893	TRUE	2.67E-86
Overall asthma	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	-0.018	0.010	0.063	0.023	85.476	TRUE	2.40E-19
Overall asthma	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	0.006	0.011	0.580	0.032	123.422	TRUE	7.19E-28
Overall asthma	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	-0.009	0.011	0.440	0.025	95.952	TRUE	5.84E-22
Overall asthma	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	-0.006	0.015	0.680	0.014	53.866	TRUE	4.20E-13
Overall asthma	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	0.036	0.017	0.031	0.008	30.317	TRUE	1.36E-07
Overall asthma	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	-0.014	0.015	0.330	0.008	31.064	TRUE	5.02E-08
Overall asthma	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	0.015	0.017	0.380	0.044	168.731	TRUE	3.20E-37
Overall asthma	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	0.000	0.010	0.960	0.055	215.354	TRUE	2.06E-47
Overall asthma	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	0.008	0.010	0.430	0.010	37.466	TRUE	1.92E-09
Overall asthma	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	-0.040	0.013	0.002	0.009	33.252	TRUE	5.42E-08
Overall asthma	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	-0.004	0.010	0.650	0.062	243.465	TRUE	5.53E-53

Overall asthma	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	0.014	0.017	0.400	0.083	336.852	TRUE	7.93E-72
Overall asthma	ING5	cg03108703	rs143076111	C	A	-0.934	0.052	0.118	1.07E-71	-0.020	0.015	0.180	0.080	320.428	TRUE	4.01E-68
Overall asthma	ING5	cg03108703	rs184401988	G	T	-0.755	0.133	0.017	1.27E-08	-0.042	0.039	0.280	0.009	32.356	TRUE	2.85E-08
Overall asthma	ING5	cg03979788	rs1133811	A	G	0.980	0.025	0.426	<1E-200	-0.023	0.010	0.020	0.287	1491.662	TRUE	5.27E-284
Overall asthma	ING5	cg03979788	rs11691199	A	G	0.155	0.026	0.299	2.47E-09	-0.024	0.010	0.023	0.010	35.542	TRUE	1.23E-08
Overall asthma	ING5	cg03979788	rs142081672	A	G	0.542	0.085	0.043	2.07E-10	-0.002	0.026	0.930	0.011	40.375	TRUE	2.90E-10
Overall asthma	ING5	cg03979788	rs142497237	T	C	-0.350	0.061	0.043	1.07E-08	0.040	0.024	0.097	0.009	32.688	TRUE	3.33E-08
Overall asthma	ING5	cg03979788	rs142718122	C	T	-0.544	0.084	0.045	8.78E-11	0.044	0.024	0.062	0.011	42.054	TRUE	3.68E-10
Overall asthma	ING5	cg03979788	rs1444997	T	C	-0.221	0.032	0.164	2.51E-12	-0.026	0.013	0.048	0.013	49.015	TRUE	1.36E-11
Overall asthma	ING5	cg03979788	rs34106717	A	G	0.265	0.025	0.301	1.05E-25	0.011	0.010	0.280	0.029	109.795	TRUE	9.32E-25
Overall asthma	ING5	cg03979788	rs34691302	T	C	0.343	0.039	0.091	1.47E-18	0.015	0.016	0.350	0.020	77.250	TRUE	6.23E-18
Overall asthma	ING5	cg03979788	rs35145466	A	G	-0.423	0.045	0.091	6.40E-21	0.019	0.016	0.230	0.023	87.998	TRUE	4.06E-20
Overall asthma	ING5	cg03979788	rs4234096	C	T	0.311	0.034	0.430	1.45E-19	-0.084	0.010	1.30E-17	0.022	81.830	TRUE	3.58E-16
Overall asthma	ING5	cg03979788	rs62186372	G	C	0.268	0.039	0.094	5.87E-12	0.019	0.015	0.190	0.013	47.347	TRUE	1.91E-11
Overall asthma	ING5	cg03979788	rs62190317	T	C	0.630	0.074	0.059	1.23E-17	-0.071	0.019	1.50E-04	0.019	73.059	TRUE	4.56E-16
Overall asthma	ING5	cg03979788	rs7369610	A	G	-0.617	0.055	0.098	8.23E-29	-0.004	0.016	0.800	0.032	123.979	TRUE	3.99E-28
Overall asthma	ING5	cg03979788	rs7420166	A	G	0.352	0.027	0.243	5.19E-39	-0.008	0.011	0.490	0.044	170.614	TRUE	1.03E-37
Overall asthma	ING5	cg03979788	rs7566006	C	G	0.178	0.029	0.193	1.67E-09	-0.018	0.012	0.130	0.010	36.302	TRUE	5.10E-09
Overall asthma	ING5	cg03979788	rs7570624	A	G	0.161	0.023	0.467	6.90E-12	-0.029	0.010	0.002	0.013	47.032	TRUE	6.90E-11
Overall asthma	ING5	cg03979788	rs886810	A	C	-0.198	0.024	0.376	2.25E-16	-0.019	0.010	0.050	0.018	67.330	TRUE	1.76E-15
Overall asthma	ING5	cg04122744	rs34151918	G	T	-0.274	0.035	0.495	2.33E-15	-0.030	0.010	0.002	0.017	62.729	TRUE	3.69E-14
Overall asthma	ING5	cg04122744	rs36147544	T	C	0.404	0.055	0.117	1.43E-13	-0.018	0.015	0.220	0.015	54.630	TRUE	5.05E-13
Overall asthma	ING5	cg11463903	rs10933538	A	G	-0.225	0.025	0.354	7.09E-20	-0.029	0.010	0.004	0.022	83.244	TRUE	1.78E-18
Overall asthma	ING5	cg11463903	rs12617994	T	C	-0.233	0.026	0.271	4.75E-19	0.042	0.011	9.90E-05	0.021	79.486	TRUE	2.30E-17
Overall asthma	ING5	cg11463903	rs13408032	T	C	-0.260	0.047	0.128	4.47E-08	0.017	0.014	0.220	0.008	29.917	TRUE	1.03E-07
Overall asthma	ING5	cg11463903	rs142704390	C	G	-0.585	0.102	0.025	8.66E-09	0.026	0.025	0.310	0.009	33.104	TRUE	1.92E-08
Overall asthma	ING5	cg11463903	rs142718122	C	T	-0.520	0.084	0.045	5.74E-10	0.044	0.024	0.062	0.010	38.389	TRUE	2.22E-09
Overall asthma	ING5	cg11463903	rs144303868	C	G	-0.411	0.061	0.043	1.32E-11	0.032	0.024	0.180	0.012	45.763	TRUE	4.34E-11
Overall asthma	ING5	cg11463903	rs147108370	G	A	-0.485	0.068	0.034	9.63E-13	0.061	0.028	0.027	0.014	50.891	TRUE	6.15E-12
Overall asthma	ING5	cg11463903	rs34214302	G	A	0.408	0.055	0.114	1.04E-13	-0.025	0.015	0.089	0.015	55.253	TRUE	5.17E-13
Overall asthma	ING5	cg11463903	rs34767573	C	G	0.396	0.057	0.045	3.41E-12	0.038	0.022	0.086	0.013	48.411	TRUE	1.53E-11
Overall asthma	ING5	cg11463903	rs55729724	G	A	-0.185	0.028	0.237	2.75E-11	-0.010	0.011	0.360	0.012	44.324	TRUE	6.74E-11
Overall asthma	ING5	cg11463903	rs62191280	C	G	0.386	0.047	0.155	2.07E-16	-0.047	0.013	4.80E-04	0.018	67.494	TRUE	5.86E-15
Overall asthma	ING5	cg11463903	rs62192043	A	G	0.214	0.027	0.246	2.72E-15	-0.100	0.011	2.40E-21	0.017	62.422	TRUE	3.09E-12
Overall asthma	ING5	cg11463903	rs6741587	A	C	-0.284	0.028	0.225	1.96E-24	0.016	0.011	0.160	0.027	104.011	TRUE	2.18E-23
Overall asthma	ING5	cg11463903	rs6747920	A	G	-0.521	0.058	0.091	2.16E-19	0.005	0.017	0.790	0.021	81.039	TRUE	5.48E-19
Overall asthma	ING5	cg11463903	rs73123528	G	A	0.361	0.027	0.244	8.50E-41	-0.004	0.011	0.720	0.046	178.787	TRUE	1.33E-39
Overall asthma	ING5	cg11463903	rs7566006	C	G	0.212	0.029	0.193	5.40E-13	-0.018	0.012	0.130	0.014	52.025	TRUE	2.24E-12
Overall asthma	ING5	cg13140981	rs184401988	G	T	-0.756	0.133	0.017	1.23E-08	-0.042	0.039	0.280	0.009	32.414	TRUE	2.77E-08
Overall asthma	ING5	cg13140981	rs35249316	G	A	0.260	0.035	0.391	8.74E-14	-0.024	0.010	0.017	0.015	55.602	TRUE	7.41E-13
Overall asthma	ING5	cg13140981	rs62193476	A	G	-0.278	0.036	0.354	6.21E-15	-0.025	0.010	0.013	0.016	60.801	TRUE	6.33E-14
Overall asthma	ING5	cg13140981	rs72484056	A	G	-1.038	0.052	0.115	2.21E-87	-0.017	0.015	0.250	0.096	392.422	TRUE	8.67E-83

Overall asthma	ING5	cg13262212	rs138826996	T	C	-1.690	0.139	0.014	3.75E-34	-0.048	0.041	0.240	0.039	148.390	TRUE	7.99E-33
Overall asthma	ING5	cg13262212	rs141941174	A	G	-0.688	0.112	0.018	7.15E-10	0.055	0.034	0.110	0.010	37.959	TRUE	2.41E-09
Overall asthma	ING5	cg14409746	rs111942358	C	G	0.208	0.033	0.150	3.61E-10	0.028	0.013	0.037	0.011	39.291	TRUE	1.72E-09
Overall asthma	ING5	cg14409746	rs7369408	A	G	-0.153	0.028	0.221	3.14E-08	-0.028	0.011	0.012	0.008	30.601	TRUE	1.48E-07
Overall asthma	ING5	cg15141204	rs4428044	C	A	-0.248	0.034	0.446	3.33E-13	-0.026	0.010	0.008	0.014	52.973	TRUE	3.09E-12
Overall asthma	ING5	cg17530031	rs115979345	G	C	-0.209	0.029	0.193	7.00E-13	-0.009	0.012	0.460	0.014	51.516	TRUE	1.70E-12
Overall asthma	ING5	cg17530031	rs138807997	G	A	0.601	0.085	0.043	2.10E-12	0.043	0.023	0.068	0.013	49.361	TRUE	1.06E-11
Overall asthma	ING5	cg17530031	rs139709307	T	G	0.423	0.037	0.137	2.62E-30	0.042	0.015	0.004	0.034	130.816	TRUE	2.19E-28
Overall asthma	ING5	cg17530031	rs145676805	A	G	0.451	0.070	0.034	1.17E-10	0.046	0.030	0.120	0.011	41.493	TRUE	4.03E-10
Overall asthma	ING5	cg17530031	rs147476185	T	A	0.314	0.049	0.058	1.34E-10	0.048	0.020	0.019	0.011	41.230	TRUE	7.76E-10
Overall asthma	ING5	cg17530031	rs4234096	C	T	-0.315	0.034	0.430	5.75E-20	-0.084	0.010	1.30E-17	0.022	83.658	TRUE	1.57E-16
Overall asthma	ING5	cg17530031	rs4675796	T	C	0.507	0.051	0.127	2.09E-23	0.016	0.015	0.290	0.026	99.323	TRUE	1.46E-22
Overall asthma	ING5	cg17530031	rs55729724	G	A	0.161	0.028	0.237	8.10E-09	-0.010	0.011	0.360	0.009	33.233	TRUE	1.68E-08
Overall asthma	ING5	cg17530031	rs62186372	G	C	-0.265	0.039	0.094	1.15E-11	0.019	0.015	0.190	0.012	46.026	TRUE	3.66E-11
Overall asthma	ING5	cg17530031	rs62191280	C	G	-0.423	0.047	0.155	1.79E-19	-0.047	0.013	4.80E-04	0.022	81.415	TRUE	7.79E-18
Overall asthma	ING5	cg17530031	rs66483305	A	C	-0.264	0.046	0.072	9.06E-09	-0.009	0.016	0.570	0.009	33.015	TRUE	1.54E-08
Overall asthma	ING5	cg17530031	rs7369610	A	G	0.371	0.056	0.098	3.91E-11	-0.004	0.016	0.800	0.012	43.637	TRUE	6.28E-11
Overall asthma	ING5	cg17530031	rs7420166	A	G	-0.303	0.027	0.243	7.16E-29	-0.008	0.011	0.490	0.033	124.257	TRUE	5.53E-28
Overall asthma	ING5	cg17530031	rs7558279	G	A	0.265	0.035	0.346	4.20E-14	0.034	0.010	8.00E-04	0.015	57.043	TRUE	7.32E-13
Overall asthma	ING5	cg17530031	rs7591047	A	G	-0.861	0.028	0.394	3.72E-212	-0.029	0.010	0.004	0.207	965.817	TRUE	1.43E-190
Overall asthma	ING5	cg17530031	rs79082577	G	A	0.337	0.056	0.104	1.49E-09	0.021	0.015	0.160	0.010	36.523	TRUE	4.32E-09
Overall asthma	ING5	cg20516529	rs112011439	A	T	-1.882	0.134	0.015	7.47E-45	-0.045	0.041	0.270	0.051	197.355	TRUE	4.69E-43
Overall asthma	ING5	cg20516529	rs11676197	T	C	0.178	0.028	0.222	1.83E-10	0.015	0.011	0.180	0.011	40.621	TRUE	5.59E-10
Overall asthma	ING5	cg20516529	rs35512800	A	G	-0.611	0.052	0.130	2.54E-32	-0.019	0.014	0.180	0.036	140.015	TRUE	5.55E-31
Overall asthma	ING5	cg20516529	rs4675933	T	C	-0.178	0.025	0.323	1.58E-12	-0.010	0.010	0.330	0.013	49.924	TRUE	4.48E-12
Overall asthma	ING5	cg20516529	rs74651980	A	G	-0.667	0.101	0.018	3.57E-11	-0.045	0.037	0.220	0.012	43.814	TRUE	1.05E-10
Overall asthma	ING5	cg21244745	rs34692098	G	T	0.238	0.034	0.138	4.59E-12	0.042	0.014	0.002	0.013	47.828	TRUE	4.64E-11
Overall asthma	ING5	cg21244745	rs7371227	C	G	-0.392	0.034	0.413	2.98E-31	-0.030	0.010	0.002	0.035	135.127	TRUE	3.85E-29
Overall asthma	ING5	cg21244745	rs74562536	T	C	-0.202	0.028	0.215	7.74E-13	-0.005	0.011	0.640	0.014	51.318	TRUE	1.58E-12
Overall asthma	ING5	cg24048263	rs35145466	A	G	0.320	0.045	0.091	1.52E-12	0.019	0.016	0.230	0.013	50.000	TRUE	4.89E-12
Overall asthma	ITGAV	cg03530967	rs17333634	C	T	0.314	0.052	0.049	2.01E-09	0.024	0.019	0.220	0.010	35.940	TRUE	5.33E-09
Overall asthma	ITGAV	cg15732657	rs6741369	T	G	-0.329	0.027	0.259	6.16E-34	0.028	0.011	0.012	0.038	147.400	TRUE	6.14E-32
Overall asthma	ITM2C	cg02231590	rs112711149	G	C	-0.727	0.112	0.025	8.01E-11	-0.013	0.027	0.640	0.011	42.233	TRUE	1.46E-10
Overall asthma	ITM2C	cg02231590	rs2438302	A	G	-0.230	0.035	0.304	3.89E-11	0.004	0.010	0.670	0.012	43.646	TRUE	7.01E-11
Overall asthma	ITM2C	cg02231590	rs3816150	C	T	0.281	0.023	0.470	3.15E-33	-0.001	0.010	0.940	0.038	144.158	TRUE	1.78E-32
Overall asthma	ITM2C	cg02231590	rs4973349	A	G	0.170	0.030	0.177	1.63E-08	0.004	0.012	0.760	0.009	31.878	TRUE	2.38E-08
Overall asthma	ITM2C	cg02231590	rs59481475	A	G	0.278	0.033	0.140	4.15E-17	0.023	0.014	0.091	0.019	70.665	TRUE	2.76E-16
Overall asthma	ITM2C	cg02231590	rs60237566	G	T	-0.615	0.027	0.230	1.39E-113	-0.004	0.011	0.710	0.122	512.754	TRUE	2.29E-107
Overall asthma	ITM2C	cg02231590	rs6436979	T	C	-0.657	0.085	0.020	8.83E-15	-0.053	0.035	0.130	0.016	60.108	TRUE	4.32E-14
Overall asthma	ITM2C	cg02231590	rs755435	A	C	-0.226	0.027	0.242	9.33E-17	-0.012	0.011	0.260	0.018	69.068	TRUE	3.89E-16
Overall asthma	ITM2C	cg02806733	rs3111750	T	C	-0.269	0.049	0.064	4.06E-08	-0.011	0.018	0.560	0.008	30.106	TRUE	6.84E-08
Overall asthma	ITM2C	cg02806733	rs62195293	G	T	0.354	0.041	0.090	1.08E-17	0.033	0.017	0.057	0.019	73.320	TRUE	9.64E-17

Overall asthma	ITM2C	cg02806733	rs80340586	C	T	0.352	0.046	0.064	2.56E-14	0.017	0.018	0.360	0.015	58.012	TRUE	7.97E-14
Overall asthma	ITM2C	cg02806733	rs934822	A	G	0.442	0.027	0.241	3.02E-61	0.007	0.011	0.560	0.069	272.492	TRUE	7.22E-59
Overall asthma	ITM2C	cg03511931	rs184122315	T	C	-0.676	0.090	0.017	4.27E-14	-0.059	0.034	0.086	0.015	57.009	TRUE	2.30E-13
Overall asthma	ITM2C	cg03511931	rs2438304	C	A	-0.212	0.037	0.241	1.38E-08	0.001	0.011	0.940	0.009	32.196	TRUE	1.78E-08
Overall asthma	ITM2C	cg03511931	rs3098325	C	T	-0.707	0.027	0.238	7.06E-151	-0.001	0.011	0.940	0.156	684.118	TRUE	4.95E-141
Overall asthma	ITM2C	cg03511931	rs3111784	G	A	0.223	0.037	0.113	2.04E-09	0.006	0.015	0.670	0.010	35.917	TRUE	3.30E-09
Overall asthma	ITM2C	cg03511931	rs34604811	A	G	-0.234	0.032	0.146	1.88E-13	-0.008	0.013	0.520	0.014	54.101	TRUE	4.44E-13
Overall asthma	ITM2C	cg03511931	rs62195287	A	G	0.270	0.034	0.134	9.09E-16	0.032	0.014	0.024	0.017	64.583	TRUE	8.68E-15
Overall asthma	ITM2C	cg03511931	rs73992921	G	C	-0.201	0.030	0.174	4.23E-11	0.003	0.013	0.790	0.012	43.479	TRUE	6.80E-11
Overall asthma	ITM2C	cg03511931	rs73992965	G	A	0.322	0.045	0.070	1.29E-12	-0.013	0.018	0.460	0.013	50.311	TRUE	3.06E-12
Overall asthma	ITM2C	cg03511931	rs75689999	A	G	0.827	0.051	0.055	2.86E-58	0.016	0.022	0.470	0.065	258.843	TRUE	5.65E-56
Overall asthma	ITM2C	cg03511931	rs9653273	T	C	0.194	0.029	0.203	1.49E-11	0.010	0.012	0.410	0.012	45.518	TRUE	3.49E-11
Overall asthma	ITM2C	cg04198215	rs934824	C	G	0.167	0.024	0.391	3.10E-12	-0.010	0.010	0.310	0.013	48.596	TRUE	8.69E-12
Overall asthma	ITM2C	cg04293526	rs3098329	G	A	0.291	0.024	0.391	2.64E-34	-0.009	0.010	0.360	0.039	149.085	TRUE	4.27E-33
Overall asthma	ITM2C	cg04293526	rs59913800	G	A	-0.194	0.027	0.247	1.33E-12	0.002	0.011	0.870	0.013	50.253	TRUE	2.15E-12
Overall asthma	ITM2C	cg14396306	rs10186528	A	G	-0.551	0.084	0.020	5.26E-11	-0.046	0.034	0.180	0.012	43.057	TRUE	1.67E-10
Overall asthma	ITM2C	cg14396306	rs13418270	G	A	0.216	0.033	0.143	5.48E-11	0.023	0.014	0.090	0.011	42.975	TRUE	2.08E-10
Overall asthma	ITM2C	cg14396306	rs1866232	G	A	-0.144	0.025	0.327	1.07E-08	-0.011	0.010	0.280	0.009	32.699	TRUE	2.43E-08
Overall asthma	ITM2C	cg14396306	rs3111758	A	G	-0.225	0.028	0.233	2.01E-15	-0.001	0.011	0.940	0.017	63.016	TRUE	3.52E-15
Overall asthma	ITM2C	cg14396306	rs60237566	G	T	-0.522	0.027	0.230	3.98E-81	-0.004	0.011	0.710	0.090	363.705	TRUE	1.34E-77
Overall asthma	ITM2C	cg14649507	rs60237566	G	T	-0.172	0.028	0.230	6.87E-10	-0.004	0.011	0.710	0.010	38.037	TRUE	1.12E-09
Overall asthma	ITM2C	cg15127563	rs116091269	C	T	0.475	0.079	0.022	1.93E-09	-0.004	0.034	0.900	0.010	36.027	TRUE	2.64E-09
Overall asthma	ITM2C	cg15127563	rs13405230	A	T	0.232	0.037	0.111	5.65E-10	0.006	0.015	0.680	0.010	38.417	TRUE	9.43E-10
Overall asthma	ITM2C	cg15127563	rs184122315	T	C	-0.823	0.089	0.017	3.40E-20	-0.059	0.034	0.086	0.022	84.696	TRUE	3.26E-19
Overall asthma	ITM2C	cg15127563	rs2438299	A	T	-0.509	0.068	0.062	1.07E-13	-0.025	0.018	0.160	0.015	55.197	TRUE	4.37E-13
Overall asthma	ITM2C	cg15127563	rs2438304	C	A	-0.275	0.037	0.241	1.86E-13	0.001	0.011	0.940	0.014	54.113	TRUE	2.95E-13
Overall asthma	ITM2C	cg15127563	rs3111758	A	G	-0.936	0.025	0.233	<1E-200	-0.001	0.011	0.940	0.282	1449.240	TRUE	4.08E-280
Overall asthma	ITM2C	cg15127563	rs3111784	G	A	0.221	0.037	0.113	2.85E-09	0.006	0.015	0.670	0.009	35.262	TRUE	4.59E-09
Overall asthma	ITM2C	cg15127563	rs34604811	A	G	-0.225	0.032	0.146	1.63E-12	-0.008	0.013	0.520	0.013	49.855	TRUE	3.65E-12
Overall asthma	ITM2C	cg15127563	rs59361355	G	A	1.037	0.051	0.056	3.14E-90	0.014	0.022	0.520	0.099	405.495	TRUE	8.21E-86
Overall asthma	ITM2C	cg15127563	rs6436978	T	C	0.395	0.036	0.128	1.27E-28	0.020	0.015	0.170	0.032	123.115	TRUE	1.87E-27
Overall asthma	ITM2C	cg15127563	rs6750171	T	C	-0.180	0.027	0.246	3.05E-11	-0.012	0.011	0.270	0.012	44.118	TRUE	8.38E-11
Overall asthma	ITM2C	cg15127563	rs73992921	G	C	-0.287	0.030	0.174	3.44E-21	0.003	0.013	0.790	0.024	89.226	TRUE	9.71E-21
Overall asthma	ITM2C	cg15127563	rs73992965	G	A	0.339	0.045	0.070	8.96E-14	-0.013	0.018	0.460	0.015	55.552	TRUE	2.29E-13
Overall asthma	ITM2C	cg15127563	rs934822	A	G	0.205	0.027	0.241	4.17E-14	0.007	0.011	0.560	0.015	57.054	TRUE	9.90E-14
Overall asthma	ITM2C	cg15127563	rs9653273	T	C	0.250	0.029	0.203	2.51E-18	0.010	0.012	0.410	0.020	76.197	TRUE	9.38E-18
Overall asthma	ITM2C	cg15262728	rs10205726	A	G	-0.164	0.026	0.307	1.51E-10	-0.010	0.010	0.330	0.011	40.990	TRUE	3.73E-10
Overall asthma	ITM2C	cg15262728	rs13417093	G	A	0.179	0.030	0.171	3.70E-09	0.004	0.012	0.750	0.009	34.758	TRUE	5.62E-09
Overall asthma	ITM2C	cg15262728	rs3111750	T	C	-0.301	0.049	0.064	8.39E-10	-0.011	0.018	0.560	0.010	37.647	TRUE	1.56E-09
Overall asthma	ITM2C	cg15262728	rs59481475	A	G	0.229	0.033	0.140	3.68E-12	0.023	0.014	0.091	0.013	48.260	TRUE	1.56E-11
Overall asthma	ITM2C	cg15262728	rs60237566	G	T	-0.385	0.028	0.230	3.10E-44	-0.004	0.011	0.710	0.050	194.525	TRUE	7.07E-43
Overall asthma	ITM2C	cg15837943	rs114303975	C	G	0.493	0.078	0.019	3.05E-10	0.024	0.030	0.420	0.011	39.621	TRUE	6.52E-10

Overall asthma	ITM2C	cg15837943	rs114708591	C	T	0.281	0.047	0.062	1.72E-09	-0.007	0.018	0.700	0.010	36.243	TRUE	2.74E-09
Overall asthma	ITM2C	cg15837943	rs11677870	A	G	-0.373	0.064	0.068	6.96E-09	-0.011	0.019	0.550	0.009	33.529	TRUE	1.20E-08
Overall asthma	ITM2C	cg15837943	rs13395705	C	G	0.578	0.043	0.078	9.56E-42	-0.018	0.017	0.280	0.047	183.129	TRUE	4.00E-40
Overall asthma	ITM2C	cg15837943	rs13407768	C	T	0.212	0.025	0.347	2.96E-17	-0.011	0.010	0.250	0.019	71.335	TRUE	1.29E-16
Overall asthma	ITM2C	cg15837943	rs1465833	T	C	0.616	0.086	0.049	8.69E-13	0.022	0.021	0.290	0.014	51.091	TRUE	2.60E-12
Overall asthma	ITM2C	cg15837943	rs146818766	T	C	-0.428	0.075	0.027	1.22E-08	0.022	0.027	0.430	0.009	32.433	TRUE	2.38E-08
Overall asthma	ITM2C	cg15837943	rs182234551	A	G	-0.361	0.066	0.030	4.94E-08	0.017	0.026	0.520	0.008	29.723	TRUE	8.48E-08
Overall asthma	ITM2C	cg15837943	rs3111750	T	C	-0.685	0.048	0.064	1.38E-45	-0.011	0.018	0.560	0.051	200.714	TRUE	4.94E-44
Overall asthma	ITM2C	cg15837943	rs56166300	G	C	-0.208	0.031	0.171	2.41E-11	0.007	0.013	0.590	0.012	44.585	TRUE	4.67E-11
Overall asthma	ITM2C	cg15837943	rs57399896	G	A	-0.413	0.058	0.116	8.65E-13	0.021	0.015	0.150	0.014	51.101	TRUE	3.29E-12
Overall asthma	ITM2C	cg15837943	rs57556160	A	G	0.292	0.053	0.057	2.90E-08	0.014	0.022	0.530	0.008	30.756	TRUE	5.00E-08
Overall asthma	ITM2C	cg15837943	rs62195288	T	C	0.669	0.033	0.140	6.81E-94	0.029	0.014	0.040	0.102	422.319	TRUE	5.44E-88
Overall asthma	ITM2C	cg15837943	rs6742201	T	C	0.342	0.036	0.121	1.07E-21	-0.011	0.015	0.470	0.024	91.537	TRUE	4.79E-21
Overall asthma	ITM2C	cg15837943	rs7564278	G	T	0.449	0.035	0.115	9.12E-37	0.008	0.015	0.600	0.042	160.342	TRUE	1.15E-35
Overall asthma	ITM2C	cg15837943	rs934824	C	G	-0.919	0.019	0.391	<1E-200	-0.010	0.010	0.310	0.395	2413.631	TRUE	<1E-200
Overall asthma	ITM2C	cg15837943	rs938907	A	G	-0.159	0.028	0.202	1.40E-08	-0.001	0.012	0.930	0.009	32.164	TRUE	1.81E-08
Overall asthma	ITM2C	cg17009069	rs111819807	A	C	-0.717	0.122	0.023	4.79E-09	0.013	0.030	0.680	0.009	34.256	TRUE	7.69E-09
Overall asthma	ITM2C	cg17009069	rs114721632	A	G	-0.369	0.063	0.092	3.54E-09	-0.011	0.017	0.530	0.009	34.841	TRUE	6.48E-09
Overall asthma	ITM2C	cg17009069	rs184122315	T	C	-0.786	0.090	0.017	1.61E-18	-0.059	0.034	0.086	0.020	77.074	TRUE	1.32E-17
Overall asthma	ITM2C	cg17009069	rs2438302	A	G	-0.239	0.035	0.304	6.27E-12	0.004	0.010	0.670	0.013	47.217	TRUE	1.18E-11
Overall asthma	ITM2C	cg17009069	rs3111750	T	C	-0.340	0.049	0.064	3.84E-12	-0.011	0.018	0.560	0.013	48.178	TRUE	8.19E-12
Overall asthma	ITM2C	cg17009069	rs59481475	A	G	0.350	0.033	0.140	2.59E-26	0.023	0.014	0.091	0.030	112.580	TRUE	4.15E-25
Overall asthma	ITM2C	cg17009069	rs60237566	G	T	-0.659	0.027	0.230	1.16E-131	-0.004	0.011	0.710	0.139	595.814	TRUE	1.21E-123
Overall asthma	ITM2C	cg17009069	rs6436977	C	A	0.501	0.023	0.473	2.47E-106	0.000	0.010	1.000	0.115	479.453	TRUE	4.11E-101
Overall asthma	ITM2C	cg17009069	rs74762084	C	G	0.167	0.030	0.180	2.60E-08	-0.001	0.012	0.950	0.008	30.966	TRUE	3.31E-08
Overall asthma	ITM2C	cg17009069	rs755435	A	C	-0.259	0.027	0.242	1.17E-21	-0.012	0.011	0.260	0.024	91.349	TRUE	7.27E-21
Overall asthma	ITM2C	cg17674726	rs116469226	C	T	1.049	0.085	0.017	1.09E-34	0.000	0.033	0.990	0.039	150.841	TRUE	6.39E-34
Overall asthma	ITM2C	cg17674726	rs13417093	G	A	0.198	0.030	0.171	7.05E-11	0.004	0.012	0.750	0.011	42.483	TRUE	1.16E-10
Overall asthma	ITM2C	cg17674726	rs184122315	T	C	-0.523	0.090	0.017	5.71E-09	-0.059	0.034	0.086	0.009	33.911	TRUE	1.89E-08
Overall asthma	ITM2C	cg17674726	rs2289235	A	G	0.304	0.023	0.467	9.56E-39	0.000	0.010	0.980	0.044	169.398	TRUE	8.11E-38
Overall asthma	ITM2C	cg17674726	rs3111750	T	C	-0.342	0.049	0.064	2.71E-12	-0.011	0.018	0.560	0.013	48.858	TRUE	5.84E-12
Overall asthma	ITM2C	cg17674726	rs3111784	G	A	0.523	0.037	0.113	1.40E-45	0.006	0.015	0.670	0.051	200.690	TRUE	3.83E-44
Overall asthma	ITM2C	cg17674726	rs59408375	G	A	0.180	0.025	0.355	7.80E-13	-0.011	0.010	0.300	0.014	51.304	TRUE	2.42E-12
Overall asthma	ITM2C	cg17674726	rs60237566	G	T	-0.484	0.027	0.230	1.45E-69	-0.004	0.011	0.710	0.077	310.652	TRUE	8.02E-67
Overall asthma	ITM2C	cg17674726	rs60774594	C	T	1.130	0.077	0.021	1.25E-48	0.053	0.034	0.120	0.055	214.655	TRUE	2.32E-46
Overall asthma	ITM2C	cg17674726	rs62195287	A	G	1.367	0.025	0.134	<1E-200	0.032	0.014	0.024	0.449	3017.420	TRUE	<1E-200
Overall asthma	ITM2C	cg17674726	rs6710419	A	G	0.523	0.048	0.068	2.31E-27	-0.005	0.020	0.810	0.031	117.366	TRUE	9.86E-27
Overall asthma	ITM2C	cg17674726	rs6747010	A	G	0.418	0.033	0.137	2.23E-36	0.014	0.013	0.300	0.041	158.562	TRUE	5.37E-35
Overall asthma	ITM2C	cg17674726	rs77159514	G	A	0.712	0.091	0.037	4.18E-15	0.038	0.026	0.150	0.016	61.578	TRUE	2.02E-14
Overall asthma	ITM2C	cg18346707	rs114282251	C	G	0.194	0.025	0.331	2.19E-14	-0.011	0.010	0.260	0.016	58.321	TRUE	7.66E-14
Overall asthma	ITM2C	cg18346707	rs114708591	C	T	0.266	0.047	0.062	1.20E-08	-0.007	0.018	0.700	0.009	32.468	TRUE	1.83E-08
Overall asthma	ITM2C	cg18346707	rs114721632	A	G	0.431	0.062	0.092	5.25E-12	-0.011	0.017	0.530	0.013	47.564	TRUE	1.14E-11

Overall asthma	ITM2C	cg18346707	rs115155017	T	C	-0.526	0.075	0.027	2.13E-12	0.020	0.027	0.470	0.013	49.332	TRUE	5.04E-12
Overall asthma	ITM2C	cg18346707	rs13395705	C	G	0.369	0.043	0.078	1.06E-17	-0.018	0.017	0.280	0.019	73.366	TRUE	4.62E-17
Overall asthma	ITM2C	cg18346707	rs13402390	G	A	0.399	0.027	0.235	2.49E-49	0.006	0.011	0.590	0.056	217.865	TRUE	1.26E-47
Overall asthma	ITM2C	cg18346707	rs3111750	T	C	-0.736	0.048	0.064	1.66E-52	-0.011	0.018	0.560	0.059	232.421	TRUE	1.33E-50
Overall asthma	ITM2C	cg18346707	rs3111761	T	C	0.139	0.024	0.409	8.55E-09	0.003	0.010	0.790	0.009	33.129	TRUE	1.24E-08
Overall asthma	ITM2C	cg18346707	rs56214836	T	C	0.275	0.026	0.281	1.58E-26	0.011	0.011	0.310	0.030	113.559	TRUE	1.36E-25
Overall asthma	ITM2C	cg18346707	rs57399896	G	A	-0.410	0.058	0.116	1.26E-12	0.021	0.015	0.150	0.013	50.357	TRUE	4.74E-12
Overall asthma	ITM2C	cg18346707	rs7564278	G	T	0.393	0.036	0.115	2.33E-28	0.008	0.015	0.600	0.032	121.912	TRUE	1.41E-27
Overall asthma	ITM2C	cg18346707	rs934824	C	G	-0.933	0.019	0.391	<1E-200	-0.010	0.010	0.310	0.388	2341.250	TRUE	<1E-200
Overall asthma	ITM2C	cg18665334	rs35138159	A	G	0.147	0.024	0.373	7.59E-10	0.008	0.010	0.430	0.010	37.841	TRUE	1.58E-09
Overall asthma	ITM2C	cg18994033	rs111819807	A	C	-0.814	0.122	0.023	2.71E-11	0.013	0.030	0.680	0.012	44.354	TRUE	4.90E-11
Overall asthma	ITM2C	cg18994033	rs116469226	C	T	0.718	0.086	0.017	6.34E-17	0.000	0.033	0.990	0.019	69.830	TRUE	1.13E-16
Overall asthma	ITM2C	cg18994033	rs13418270	G	A	0.762	0.032	0.143	2.85E-126	0.023	0.014	0.090	0.134	571.045	TRUE	1.33E-117
Overall asthma	ITM2C	cg18994033	rs2918009	T	C	-0.239	0.028	0.233	3.79E-17	0.000	0.011	0.980	0.019	70.845	TRUE	6.93E-17
Overall asthma	ITM2C	cg18994033	rs3111750	T	C	-0.473	0.049	0.064	3.36E-22	-0.011	0.018	0.560	0.025	93.823	TRUE	1.40E-21
Overall asthma	ITM2C	cg18994033	rs3111784	G	A	0.213	0.037	0.113	1.15E-08	0.006	0.015	0.670	0.009	32.557	TRUE	1.79E-08
Overall asthma	ITM2C	cg18994033	rs59034351	T	C	-0.928	0.087	0.017	8.99E-27	-0.054	0.035	0.120	0.030	114.673	TRUE	1.37E-25
Overall asthma	ITM2C	cg18994033	rs60237566	G	T	-0.945	0.024	0.230	<1E-200	-0.004	0.011	0.710	0.294	1538.619	TRUE	5.83E-295
Overall asthma	ITM2C	cg18994033	rs60774594	C	T	0.711	0.078	0.021	5.73E-20	0.053	0.034	0.120	0.022	83.665	TRUE	4.62E-19
Overall asthma	ITM2C	cg18994033	rs6706979	A	G	-0.311	0.054	0.049	6.45E-09	-0.059	0.023	0.009	0.009	33.677	TRUE	3.35E-08
Overall asthma	ITM2C	cg18994033	rs73992965	G	A	0.312	0.046	0.070	7.29E-12	-0.013	0.018	0.460	0.013	46.922	TRUE	1.65E-11
Overall asthma	ITM2C	cg18994033	rs755435	A	C	-0.267	0.027	0.242	6.35E-23	-0.012	0.011	0.260	0.026	97.122	TRUE	4.37E-22
Overall asthma	ITM2C	cg18994033	rs7606212	A	G	-0.340	0.056	0.122	1.70E-09	0.021	0.015	0.160	0.010	36.268	TRUE	4.90E-09
Overall asthma	ITM2C	cg18994033	rs76437481	G	C	-0.884	0.074	0.031	2.71E-33	0.006	0.028	0.840	0.038	144.463	TRUE	1.76E-32
Overall asthma	ITM2C	cg18994033	rs934822	A	G	0.368	0.027	0.241	1.19E-42	0.007	0.011	0.560	0.048	187.271	TRUE	3.02E-41
Overall asthma	ITM2C	cg18994033	rs9653273	T	C	0.222	0.029	0.203	9.92E-15	0.010	0.012	0.410	0.016	59.879	TRUE	2.87E-14
Overall asthma	ITM2C	cg19455189	rs112711149	G	C	-0.859	0.112	0.025	1.33E-14	-0.013	0.027	0.640	0.016	59.295	TRUE	3.01E-14
Overall asthma	ITM2C	cg19455189	rs114721632	A	G	-0.539	0.062	0.092	4.08E-18	-0.011	0.017	0.530	0.020	75.244	TRUE	1.31E-17
Overall asthma	ITM2C	cg19455189	rs13417093	G	A	0.232	0.030	0.171	2.00E-14	0.004	0.012	0.750	0.016	58.503	TRUE	3.98E-14
Overall asthma	ITM2C	cg19455189	rs13418270	G	A	0.608	0.032	0.143	8.55E-79	0.023	0.014	0.090	0.087	353.000	TRUE	1.80E-74
Overall asthma	ITM2C	cg19455189	rs2289235	A	G	0.317	0.023	0.467	3.74E-42	0.000	0.010	0.980	0.048	184.998	TRUE	4.35E-41
Overall asthma	ITM2C	cg19455189	rs2466149	T	C	-0.238	0.035	0.304	8.68E-12	0.004	0.010	0.680	0.012	46.580	TRUE	1.60E-11
Overall asthma	ITM2C	cg19455189	rs3111750	T	C	-0.320	0.049	0.064	6.34E-11	-0.011	0.018	0.560	0.011	42.690	TRUE	1.26E-10
Overall asthma	ITM2C	cg19455189	rs3111784	G	A	0.235	0.037	0.113	3.14E-10	0.006	0.015	0.670	0.011	39.564	TRUE	5.30E-10
Overall asthma	ITM2C	cg19455189	rs59034351	T	C	-0.788	0.087	0.017	1.18E-19	-0.054	0.035	0.120	0.022	82.232	TRUE	9.14E-19
Overall asthma	ITM2C	cg19455189	rs60237566	G	T	-0.897	0.024	0.230	2.12E-294	-0.004	0.011	0.710	0.267	1344.035	TRUE	1.95E-261
Overall asthma	ITM2C	cg19455189	rs60774594	C	T	0.525	0.078	0.021	1.62E-11	0.053	0.034	0.120	0.012	45.363	TRUE	6.11E-11
Overall asthma	ITM2C	cg19455189	rs73992965	G	A	0.287	0.046	0.070	3.14E-10	-0.013	0.018	0.460	0.011	39.563	TRUE	6.40E-10
Overall asthma	ITM2C	cg19455189	rs755435	A	C	-0.269	0.027	0.242	3.38E-23	-0.012	0.011	0.260	0.026	98.368	TRUE	2.38E-22
Overall asthma	ITM2C	cg19455189	rs7567211	G	A	-0.625	0.073	0.031	7.14E-18	-0.006	0.028	0.840	0.020	74.137	TRUE	1.57E-17
Overall asthma	ITM2C	cg20020161	rs116469226	C	T	0.479	0.086	0.017	2.81E-08	0.000	0.033	0.990	0.008	30.815	TRUE	3.46E-08
Overall asthma	ITM2C	cg20020161	rs3111750	T	C	-0.411	0.049	0.064	4.23E-17	-0.011	0.018	0.560	0.019	70.628	TRUE	1.23E-16

Overall asthma	ITM2C	cg20020161	rs59481475	A	G	0.510	0.033	0.140	8.70E-55	0.023	0.014	0.091	0.062	242.873	TRUE	4.16E-52
Overall asthma	ITM2C	cg20020161	rs60237566	G	T	-0.672	0.027	0.230	1.49E-137	-0.004	0.011	0.710	0.144	622.880	TRUE	6.68E-129
Overall asthma	ITM2C	cg20020161	rs60774594	C	T	0.514	0.078	0.021	4.03E-11	0.053	0.034	0.120	0.012	43.574	TRUE	1.47E-10
Overall asthma	ITM2C	cg20020161	rs755435	A	C	-0.170	0.027	0.242	3.70E-10	-0.012	0.011	0.260	0.010	39.244	TRUE	9.37E-10
Overall asthma	ITM2C	cg20020161	rs76437481	G	C	-0.830	0.074	0.031	2.09E-29	0.006	0.028	0.840	0.033	126.701	TRUE	9.94E-29
Overall asthma	ITM2C	cg20020161	rs934822	A	G	0.263	0.027	0.241	1.93E-22	0.007	0.011	0.560	0.025	94.917	TRUE	8.05E-22
Overall asthma	ITM2C	cg20020161	rs9653273	T	C	0.166	0.029	0.203	7.27E-09	0.010	0.012	0.410	0.009	33.444	TRUE	1.43E-08
Overall asthma	ITM2C	cg20307347	rs114721632	A	G	-0.487	0.062	0.092	5.13E-15	-0.011	0.017	0.530	0.016	61.177	TRUE	1.34E-14
Overall asthma	ITM2C	cg20307347	rs116469226	C	T	0.719	0.086	0.017	5.86E-17	0.000	0.033	0.990	0.019	69.985	TRUE	1.05E-16
Overall asthma	ITM2C	cg20307347	rs3111750	T	C	-0.494	0.049	0.064	3.76E-24	-0.011	0.018	0.560	0.027	102.717	TRUE	1.81E-23
Overall asthma	ITM2C	cg20307347	rs3111784	G	A	0.285	0.037	0.113	2.10E-14	0.006	0.015	0.670	0.016	58.401	TRUE	4.46E-14
Overall asthma	ITM2C	cg20307347	rs59034351	T	C	-0.826	0.087	0.017	1.87E-21	-0.054	0.035	0.120	0.024	90.432	TRUE	1.71E-20
Overall asthma	ITM2C	cg20307347	rs60237566	G	T	-0.819	0.026	0.230	8.46E-214	-0.004	0.011	0.710	0.208	973.374	TRUE	4.72E-195
Overall asthma	ITM2C	cg20307347	rs60774594	C	T	0.748	0.078	0.021	5.86E-22	0.053	0.034	0.120	0.024	92.725	TRUE	5.69E-21
Overall asthma	ITM2C	cg20307347	rs6436977	C	A	0.328	0.023	0.473	2.06E-45	0.000	0.010	1.000	0.051	199.917	TRUE	3.22E-44
Overall asthma	ITM2C	cg20307347	rs73992965	G	A	0.343	0.046	0.070	5.18E-14	-0.013	0.018	0.460	0.015	56.632	TRUE	1.34E-13
Overall asthma	ITM2C	cg20307347	rs755435	A	C	-0.283	0.027	0.242	1.50E-25	-0.012	0.011	0.260	0.029	109.091	TRUE	1.30E-24
Overall asthma	ITM2C	cg20307347	rs7567211	G	A	-0.509	0.073	0.031	2.49E-12	-0.006	0.028	0.840	0.013	49.025	TRUE	4.09E-12
Overall asthma	ITM2C	cg20307347	rs7606212	A	G	-0.441	0.056	0.122	4.60E-15	0.021	0.015	0.160	0.016	61.390	TRUE	2.12E-14
Overall asthma	ITM2C	cg20307347	rs78229572	G	A	-0.280	0.048	0.058	4.23E-09	0.006	0.019	0.770	0.009	34.495	TRUE	6.31E-09
Overall asthma	ITM2C	cg20307347	rs934822	A	G	0.274	0.027	0.241	3.80E-24	0.007	0.011	0.560	0.027	102.697	TRUE	1.80E-23
Overall asthma	ITM2C	cg20307347	rs9808500	T	C	0.836	0.032	0.140	1.11E-150	0.029	0.014	0.037	0.156	683.212	TRUE	8.92E-139
Overall asthma	ITM2C	cg20333027	rs184122315	T	C	0.808	0.090	0.017	1.73E-19	-0.059	0.034	0.086	0.022	81.479	TRUE	1.55E-18
Overall asthma	ITM2C	cg20333027	rs3098325	C	T	0.396	0.028	0.238	1.52E-45	-0.001	0.011	0.940	0.051	200.519	TRUE	2.67E-44
Overall asthma	ITM2C	cg20333027	rs3111784	G	A	-0.309	0.037	0.113	8.69E-17	0.006	0.015	0.670	0.018	69.208	TRUE	2.12E-16
Overall asthma	ITM2C	cg20333027	rs528289941	C	T	-0.556	0.084	0.020	2.85E-11	0.017	0.032	0.600	0.012	44.256	TRUE	5.48E-11
Overall asthma	ITM2C	cg20333027	rs59481475	A	G	-0.637	0.032	0.140	2.35E-86	0.023	0.014	0.091	0.095	387.710	TRUE	1.94E-81
Overall asthma	ITM2C	cg20333027	rs60774594	C	T	-0.567	0.078	0.021	3.28E-13	0.053	0.034	0.120	0.014	53.002	TRUE	1.44E-12
Overall asthma	ITM2C	cg20333027	rs62195326	A	C	0.348	0.027	0.247	7.27E-39	-0.012	0.011	0.270	0.044	169.943	TRUE	2.31E-37
Overall asthma	ITM2C	cg20333027	rs6710419	A	G	-0.417	0.048	0.068	6.87E-18	-0.005	0.020	0.810	0.020	74.213	TRUE	1.56E-17
Overall asthma	ITM2C	cg20333027	rs73992921	G	C	0.822	0.029	0.174	5.29E-177	0.003	0.013	0.790	0.179	804.203	TRUE	1.07E-163
Overall asthma	ITM2C	cg20333027	rs78229572	G	A	0.402	0.047	0.058	2.21E-17	0.006	0.019	0.770	0.019	71.910	TRUE	5.08E-17
Overall asthma	ITM2C	cg20333027	rs9653273	T	C	-0.224	0.029	0.203	6.71E-15	0.010	0.012	0.410	0.016	60.648	TRUE	1.97E-14
Overall asthma	ITM2C	cg21299958	rs73992921	G	C	0.222	0.030	0.174	2.57E-13	0.003	0.013	0.790	0.014	53.480	TRUE	4.61E-13
Overall asthma	ITM2C	cg22177286	rs114721632	A	G	0.523	0.062	0.092	4.12E-17	-0.011	0.017	0.530	0.019	70.679	TRUE	1.24E-16
Overall asthma	ITM2C	cg22177286	rs116469226	C	T	-0.690	0.086	0.017	1.03E-15	0.000	0.033	0.990	0.017	64.337	TRUE	1.73E-15
Overall asthma	ITM2C	cg22177286	rs13417093	G	A	-0.264	0.030	0.171	2.88E-18	0.004	0.012	0.750	0.020	75.929	TRUE	7.16E-18
Overall asthma	ITM2C	cg22177286	rs3111784	G	A	-0.288	0.037	0.113	1.06E-14	0.006	0.015	0.670	0.016	59.754	TRUE	2.28E-14
Overall asthma	ITM2C	cg22177286	rs3816150	C	T	-0.330	0.023	0.470	9.04E-46	-0.001	0.010	0.940	0.052	201.559	TRUE	1.62E-44
Overall asthma	ITM2C	cg22177286	rs60237566	G	T	0.761	0.027	0.230	1.38E-180	-0.004	0.011	0.710	0.182	820.673	TRUE	1.16E-166
Overall asthma	ITM2C	cg22177286	rs60774594	C	T	-0.656	0.078	0.021	3.10E-17	0.053	0.034	0.120	0.019	71.239	TRUE	1.95E-16
Overall asthma	ITM2C	cg22177286	rs62195288	T	C	-0.676	0.033	0.140	1.01E-95	0.029	0.014	0.040	0.104	430.720	TRUE	1.17E-89

Overall asthma	ITM2C	cg22177286	rs62195326	A	C	0.287	0.027	0.247	8.86E-27	-0.012	0.011	0.270	0.030	114.702	TRUE	8.54E-26
Overall asthma	ITM2C	cg22177286	rs6436979	T	C	0.826	0.084	0.020	1.38E-22	-0.053	0.035	0.130	0.025	95.585	TRUE	1.36E-21
Overall asthma	ITM2C	cg22177286	rs78229572	G	A	0.406	0.047	0.058	1.26E-17	0.006	0.019	0.770	0.019	73.023	TRUE	2.93E-17
Overall asthma	ITPR1	cg02799411	rs2279748	C	G	-0.220	0.025	0.358	6.43E-19	0.008	0.010	0.440	0.021	78.888	TRUE	2.45E-18
Overall asthma	ITPR1	cg03648908	rs11712971	A	G	-0.263	0.029	0.205	9.35E-20	0.009	0.012	0.480	0.022	82.698	TRUE	3.55E-19
Overall asthma	ITPR1	cg03648908	rs140128694	A	G	0.818	0.094	0.032	4.32E-18	0.059	0.028	0.032	0.020	75.131	TRUE	4.59E-17
Overall asthma	ITPR1	cg03648908	rs1550559	A	G	-0.236	0.026	0.269	7.47E-20	-0.001	0.011	0.940	0.022	83.140	TRUE	1.64E-19
Overall asthma	ITPR1	cg03648908	rs3805009	A	G	0.726	0.026	0.244	2.25E-173	-0.027	0.011	0.015	0.176	787.526	TRUE	4.25E-158
Overall asthma	ITPR1	cg03648908	rs4685815	T	C	0.628	0.085	0.035	1.71E-13	-0.062	0.026	0.019	0.014	54.286	TRUE	1.36E-12
Overall asthma	ITPR1	cg03836615	rs2304820	C	T	0.328	0.028	0.215	2.90E-31	0.004	0.012	0.750	0.035	135.184	TRUE	1.81E-30
Overall asthma	ITPR1	cg03836615	rs901853	T	G	-0.633	0.082	0.042	1.10E-14	-0.026	0.022	0.230	0.016	59.675	TRUE	4.18E-14
Overall asthma	ITPR1	cg05795849	rs17786144	C	T	0.309	0.034	0.129	2.00E-19	0.018	0.014	0.190	0.021	81.199	TRUE	1.21E-18
Overall asthma	ITPR1	cg05795849	rs2053504	G	A	0.142	0.024	0.409	3.13E-09	0.013	0.010	0.190	0.009	35.080	TRUE	8.53E-09
Overall asthma	ITPR1	cg05795849	rs2633714	G	A	-0.187	0.025	0.326	1.11E-13	-0.018	0.010	0.084	0.015	55.126	TRUE	6.04E-13
Overall asthma	ITPR1	cg05795849	rs3828436	G	T	-0.304	0.024	0.401	2.31E-37	-0.012	0.010	0.210	0.042	163.067	TRUE	7.24E-36
Overall asthma	ITPR1	cg05795849	rs6772040	T	C	-0.360	0.059	0.084	8.03E-10	-0.023	0.018	0.190	0.010	37.732	TRUE	2.21E-09
Overall asthma	ITPR1	cg05795849	rs931387	C	T	-0.175	0.025	0.345	9.96E-13	-0.001	0.010	0.960	0.014	50.825	TRUE	1.50E-12
Overall asthma	ITPR1	cg08998950	rs2119802	A	G	0.574	0.046	0.185	4.49E-35	0.001	0.012	0.960	0.040	152.604	TRUE	2.84E-34
Overall asthma	ITPR1	cg08998950	rs3805015	G	A	0.183	0.033	0.418	1.98E-08	0.007	0.010	0.500	0.008	31.497	TRUE	3.53E-08
Overall asthma	ITPR1	cg08998950	rs75652455	T	C	0.931	0.102	0.023	9.98E-20	0.019	0.028	0.490	0.022	82.568	TRUE	3.69E-19
Overall asthma	ITPR1	cg08998950	rs901854	G	A	0.463	0.023	0.397	1.60E-87	0.002	0.010	0.850	0.096	393.065	TRUE	1.13E-83
Overall asthma	ITPR1	cg08998950	rs9838930	C	T	0.217	0.024	0.395	1.83E-19	0.011	0.010	0.280	0.022	81.366	TRUE	9.83E-19
Overall asthma	ITPR1	cg09654471	rs115959858	A	G	-0.414	0.071	0.068	4.59E-09	-0.023	0.019	0.220	0.009	34.339	TRUE	1.14E-08
Overall asthma	ITPR1	cg09654471	rs2639801	G	A	-0.210	0.038	0.300	2.43E-08	-0.003	0.010	0.790	0.008	31.099	TRUE	3.45E-08
Overall asthma	ITPR1	cg09654471	rs4685775	G	A	-0.360	0.041	0.099	2.46E-18	0.001	0.017	0.930	0.020	76.244	TRUE	5.00E-18
Overall asthma	ITPR1	cg09654471	rs56098012	C	A	0.222	0.025	0.467	7.54E-19	-0.002	0.010	0.800	0.021	78.576	TRUE	1.82E-18
Overall asthma	ITPR1	cg09654471	rs73102490	A	G	-1.291	0.037	0.106	1.79E-272	-0.013	0.017	0.430	0.252	1243.190	TRUE	3.49E-243
Overall asthma	ITPR1	cg10887945	rs3792497	T	C	0.178	0.027	0.244	3.28E-11	-0.029	0.011	0.008	0.012	43.977	TRUE	2.36E-10
Overall asthma	ITPR1	cg11584376	rs11922422	C	G	0.237	0.031	0.161	1.79E-14	-0.008	0.013	0.550	0.016	58.722	TRUE	4.29E-14
Overall asthma	ITPR1	cg11584376	rs55963437	T	C	-0.179	0.033	0.139	4.81E-08	0.019	0.013	0.140	0.008	29.774	TRUE	1.26E-07
Overall asthma	ITPR1	cg11584376	rs6781893	T	C	0.215	0.029	0.204	1.60E-13	-0.011	0.012	0.350	0.014	54.409	TRUE	4.62E-13
Overall asthma	ITPR1	cg11584376	rs6785305	A	G	0.224	0.031	0.435	8.50E-13	-0.010	0.010	0.320	0.014	51.136	TRUE	2.44E-12
Overall asthma	ITPR1	cg11584376	rs9880589	G	T	-0.472	0.023	0.452	5.16E-97	0.019	0.010	0.055	0.106	436.647	TRUE	6.28E-91
Overall asthma	ITPR1	cg11600734	rs2279748	C	G	-0.205	0.025	0.358	1.02E-16	0.008	0.010	0.440	0.018	68.884	TRUE	3.33E-16
Overall asthma	ITPR1	cg13707945	rs4684433	C	T	-0.140	0.025	0.329	1.38E-08	0.002	0.010	0.850	0.009	32.203	TRUE	1.89E-08
Overall asthma	ITPR1	cg18689402	rs115959858	A	G	-0.391	0.071	0.068	3.34E-08	-0.023	0.019	0.220	0.008	30.483	TRUE	7.78E-08
Overall asthma	ITPR1	cg18689402	rs11712103	C	G	-0.350	0.049	0.114	8.14E-13	0.008	0.014	0.560	0.014	51.220	TRUE	1.77E-12
Overall asthma	ITPR1	cg18689402	rs2639801	G	A	-0.366	0.037	0.300	8.00E-23	-0.003	0.010	0.790	0.025	96.664	TRUE	2.54E-22
Overall asthma	ITPR1	cg18689402	rs56098012	C	A	0.349	0.025	0.467	6.39E-45	-0.002	0.010	0.800	0.051	197.668	TRUE	1.31E-43
Overall asthma	ITPR1	cg18689402	rs6785564	G	A	-1.121	0.030	0.143	<1E-200	0.004	0.014	0.780	0.279	1429.598	TRUE	1.95E-276
Overall asthma	ITPR1	cg19885037	rs7631664	G	A	-0.228	0.029	0.205	3.14E-15	-0.019	0.012	0.100	0.017	62.143	TRUE	1.68E-14
Overall asthma	ITPR1	cg21407899	rs1051559	G	A	0.405	0.030	0.188	9.11E-43	0.015	0.012	0.230	0.048	187.804	TRUE	5.47E-41

Overall asthma	ITPR1	cg21407899	rs13096481	T	C	-0.140	0.025	0.319	3.58E-08	-0.005	0.010	0.650	0.008	30.349	TRUE	5.58E-08
Overall asthma	ITPR1	cg21407899	rs17041507	C	T	1.001	0.118	0.017	2.16E-17	-0.018	0.032	0.590	0.019	71.950	TRUE	6.19E-17
Overall asthma	ITPR1	cg26389914	rs11712971	A	G	-0.269	0.029	0.205	4.52E-21	0.009	0.012	0.480	0.023	88.682	TRUE	1.89E-20
Overall asthma	ITPR1	cg26389914	rs143961394	C	T	0.620	0.092	0.032	1.87E-11	0.048	0.027	0.082	0.012	45.080	TRUE	8.07E-11
Overall asthma	ITPR1	cg26389914	rs1550559	A	G	-0.242	0.026	0.269	3.01E-21	-0.001	0.011	0.940	0.024	89.491	TRUE	7.15E-21
Overall asthma	ITPR1	cg26389914	rs3805009	A	G	0.737	0.025	0.244	5.40E-186	-0.027	0.011	0.015	0.186	845.537	TRUE	6.18E-169
Overall asthma	ITPR1	cg26389914	rs4685807	G	A	0.211	0.031	0.156	9.58E-12	-0.008	0.013	0.530	0.012	46.387	TRUE	2.00E-11
Overall asthma	ITPR1	cg26389914	rs4685815	T	C	0.602	0.084	0.035	5.96E-13	-0.062	0.026	0.019	0.014	51.833	TRUE	4.47E-12
Overall asthma	ITPR1	cg26389914	rs77255589	T	C	0.362	0.061	0.038	2.63E-09	0.007	0.023	0.770	0.009	35.423	TRUE	3.96E-09
Overall asthma	JAK2	cg02405213	rs10974947	A	G	0.340	0.027	0.242	7.76E-36	-0.003	0.011	0.760	0.040	156.090	TRUE	7.04E-35
Overall asthma	JAK2	cg02405213	rs10975044	C	G	-0.269	0.048	0.068	2.20E-08	-0.014	0.018	0.450	0.008	31.296	TRUE	4.11E-08
Overall asthma	JAK2	cg02405213	rs117618324	A	G	-0.463	0.069	0.025	1.46E-11	-0.021	0.026	0.420	0.012	45.559	TRUE	3.42E-11
Overall asthma	JAK2	cg02405213	rs143285975	T	G	0.396	0.058	0.040	1.28E-11	-0.008	0.021	0.710	0.012	45.824	TRUE	2.28E-11
Overall asthma	JAK2	cg02405213	rs1536799	C	T	0.414	0.050	0.054	1.17E-16	-0.015	0.020	0.450	0.018	68.619	TRUE	3.71E-16
Overall asthma	JAK2	cg02405213	rs16922581	G	A	-1.046	0.117	0.021	3.65E-19	0.055	0.031	0.080	0.021	80.005	TRUE	3.28E-18
Overall asthma	JAK2	cg02405213	rs2381194	A	G	-0.554	0.034	0.134	9.24E-59	-0.003	0.014	0.850	0.066	261.091	TRUE	8.56E-57
Overall asthma	JAK2	cg02405213	rs36051895	T	G	-0.893	0.023	0.293	<1E-200	0.017	0.011	0.120	0.293	1536.147	TRUE	9.01E-293
Overall asthma	JAK2	cg02405213	rs62543884	C	T	-0.815	0.075	0.047	7.59E-28	0.038	0.021	0.074	0.031	119.575	TRUE	1.69E-26
Overall asthma	JAK2	cg02405213	rs7853655	T	C	-0.197	0.024	0.406	6.89E-17	0.020	0.010	0.047	0.018	69.666	TRUE	6.14E-16
Overall asthma	JAK2	cg02405213	rs78745832	T	C	-0.432	0.040	0.092	1.32E-26	0.057	0.016	3.30E-04	0.030	113.907	TRUE	1.48E-24
Overall asthma	JAK2	cg02405213	rs79372822	T	A	-0.751	0.097	0.027	7.83E-15	0.003	0.025	0.910	0.016	60.345	TRUE	1.36E-14
Overall asthma	JAK2	cg03390472	rs11515395	G	T	-0.165	0.024	0.414	9.03E-12	-0.005	0.010	0.650	0.012	46.504	TRUE	1.70E-11
Overall asthma	JAK2	cg03390472	rs117955585	T	C	-0.579	0.078	0.024	9.06E-14	-0.009	0.028	0.730	0.015	55.530	TRUE	1.75E-13
Overall asthma	JAK2	cg03390472	rs12551254	T	C	-0.674	0.027	0.218	4.18E-135	-0.009	0.011	0.410	0.142	611.634	TRUE	2.99E-126
Overall asthma	JAK2	cg03390472	rs144525011	G	C	-0.693	0.094	0.036	1.53E-13	0.038	0.025	0.130	0.015	54.507	TRUE	6.72E-13
Overall asthma	JAK2	cg03390472	rs150213183	A	G	-0.679	0.094	0.019	6.78E-13	-0.068	0.035	0.049	0.014	51.578	TRUE	3.76E-12
Overall asthma	JAK2	cg03390472	rs1887428	G	C	0.227	0.025	0.364	3.26E-20	0.018	0.010	0.078	0.022	84.778	TRUE	3.37E-19
Overall asthma	JAK2	cg03390472	rs72701653	G	A	0.284	0.049	0.058	8.53E-09	0.003	0.019	0.890	0.009	33.133	TRUE	1.15E-08
Overall asthma	JAK2	cg03508284	rs10974933	G	C	0.349	0.063	0.033	2.73E-08	-0.014	0.026	0.580	0.008	30.877	TRUE	4.46E-08
Overall asthma	JAK2	cg03508284	rs12555131	G	C	-0.223	0.032	0.163	3.99E-12	0.005	0.013	0.670	0.013	48.105	TRUE	7.46E-12
Overall asthma	JAK2	cg03508284	rs150213183	A	G	-0.523	0.095	0.019	3.29E-08	-0.068	0.035	0.049	0.008	30.515	TRUE	1.13E-07
Overall asthma	JAK2	cg03508284	rs2274472	C	T	0.537	0.024	0.368	2.96E-114	-0.008	0.010	0.410	0.122	515.837	TRUE	1.45E-107
Overall asthma	JAK2	cg03508284	rs72701686	A	G	0.413	0.070	0.050	3.50E-09	0.030	0.022	0.180	0.009	34.864	TRUE	9.61E-09
Overall asthma	JAK2	cg03508284	rs75574230	A	T	-0.218	0.032	0.153	1.62E-11	0.015	0.013	0.260	0.012	45.356	TRUE	4.73E-11
Overall asthma	JAK2	cg03508284	rs7874495	G	A	-0.267	0.026	0.294	8.43E-25	0.010	0.011	0.350	0.028	105.679	TRUE	5.61E-24
Overall asthma	JAK2	cg06858172	rs12554699	A	G	0.273	0.030	0.187	8.39E-20	-0.006	0.012	0.620	0.022	82.911	TRUE	2.67E-19
Overall asthma	JAK2	cg07999015	rs112964046	A	T	-0.522	0.067	0.035	5.98E-15	0.023	0.026	0.390	0.016	60.874	TRUE	1.86E-14
Overall asthma	JAK2	cg07999015	rs12335546	T	C	-0.651	0.026	0.267	1.84E-139	0.023	0.011	0.033	0.146	631.650	TRUE	7.02E-129
Overall asthma	JAK2	cg07999015	rs143285975	T	G	0.468	0.058	0.040	1.16E-15	-0.008	0.021	0.710	0.017	64.097	TRUE	2.60E-15
Overall asthma	JAK2	cg07999015	rs144525011	G	C	0.815	0.094	0.036	3.05E-18	0.038	0.025	0.130	0.020	75.813	TRUE	2.04E-17
Overall asthma	JAK2	cg07999015	rs150213183	A	G	0.788	0.094	0.019	6.73E-17	-0.068	0.035	0.049	0.018	69.712	TRUE	5.56E-16
Overall asthma	JAK2	cg07999015	rs1887429	T	G	0.942	0.022	0.260	<1E-200	-0.009	0.011	0.390	0.335	1862.747	TRUE	<1E-200

Overall asthma	JAK2	cg07999015	rs62543879	C	T	-0.528	0.086	0.037	8.57E-10	0.040	0.025	0.100	0.010	37.605	TRUE	2.84E-09
Overall asthma	JAK2	cg07999015	rs6476919	C	T	-0.154	0.024	0.409	5.13E-11	0.022	0.010	0.023	0.012	43.103	TRUE	2.84E-10
Overall asthma	JAK2	cg07999015	rs7026646	G	A	-0.490	0.051	0.053	2.70E-22	-0.011	0.020	0.600	0.025	94.258	TRUE	1.07E-21
Overall asthma	JAK2	cg07999015	rs7032487	G	T	0.168	0.024	0.406	1.52E-12	-0.008	0.010	0.410	0.013	49.995	TRUE	3.84E-12
Overall asthma	JAK2	cg07999015	rs72699528	G	C	0.366	0.067	0.032	4.16E-08	-0.040	0.023	0.080	0.008	30.057	TRUE	1.27E-07
Overall asthma	JAK2	cg07999015	rs72699555	G	C	-0.597	0.096	0.029	5.40E-10	0.035	0.029	0.220	0.010	38.505	TRUE	1.45E-09
Overall asthma	JAK2	cg07999015	rs7868678	A	G	0.783	0.069	0.032	7.98E-30	-0.023	0.026	0.390	0.034	128.607	TRUE	8.17E-29
Overall asthma	JAK2	cg07999015	rs78745832	T	C	-0.258	0.041	0.092	2.04E-10	0.057	0.016	3.30E-04	0.011	40.407	TRUE	2.30E-09
Overall asthma	JAK2	cg13568515	rs10123976	T	A	-1.117	0.019	0.265	<1E-200	0.025	0.011	0.024	0.473	3314.124	TRUE	<1E-200
Overall asthma	JAK2	cg13568515	rs10815223	T	C	0.165	0.025	0.338	6.07E-11	-0.005	0.010	0.620	0.011	42.776	TRUE	1.12E-10
Overall asthma	JAK2	cg13568515	rs113786699	T	C	-0.938	0.066	0.036	4.49E-46	0.033	0.028	0.230	0.052	202.949	TRUE	3.63E-44
Overall asthma	JAK2	cg13568515	rs117618324	A	G	-0.421	0.068	0.025	7.06E-10	-0.021	0.026	0.420	0.010	37.984	TRUE	1.48E-09
Overall asthma	JAK2	cg13568515	rs1327497	A	T	0.304	0.024	0.392	8.62E-37	-0.009	0.010	0.360	0.042	160.454	TRUE	1.79E-35
Overall asthma	JAK2	cg13568515	rs1536799	C	T	0.317	0.050	0.054	2.20E-10	-0.015	0.020	0.450	0.011	40.256	TRUE	4.61E-10
Overall asthma	JAK2	cg13568515	rs16922581	G	A	-1.120	0.116	0.021	6.15E-22	0.055	0.031	0.080	0.024	92.628	TRUE	7.25E-21
Overall asthma	JAK2	cg13568515	rs547378966	C	A	0.372	0.030	0.187	7.38E-36	-0.006	0.012	0.620	0.041	156.187	TRUE	8.51E-35
Overall asthma	JAK2	cg13568515	rs62543879	C	T	-0.616	0.085	0.037	5.40E-13	0.040	0.025	0.100	0.014	52.025	TRUE	2.39E-12
Overall asthma	JAK2	cg13568515	rs7853655	T	C	-0.172	0.024	0.406	2.36E-13	0.020	0.010	0.047	0.014	53.653	TRUE	1.46E-12
Overall asthma	JAK2	cg13568515	rs78745832	T	C	-0.434	0.040	0.092	5.53E-27	0.057	0.016	3.30E-04	0.030	115.638	TRUE	6.50E-25
Overall asthma	JAK2	cg20394284	rs12555131	G	C	0.296	0.032	0.163	2.67E-20	0.005	0.013	0.670	0.023	85.174	TRUE	8.16E-20
Overall asthma	JAK2	cg20394284	rs1536799	C	T	0.386	0.050	0.054	1.02E-14	-0.015	0.020	0.450	0.016	59.828	TRUE	2.82E-14
Overall asthma	JAK2	cg20394284	rs1555477	T	C	0.166	0.024	0.429	1.85E-12	-0.004	0.010	0.660	0.013	49.609	TRUE	3.58E-12
Overall asthma	JAK2	cg20394284	rs1887425	C	A	-0.310	0.024	0.415	4.08E-39	-0.011	0.010	0.270	0.044	171.092	TRUE	1.40E-37
Overall asthma	JAK2	cg20394284	rs1887428	G	C	0.592	0.024	0.364	7.16E-137	0.018	0.010	0.078	0.144	619.753	TRUE	7.32E-127
Overall asthma	JAK2	cg20394284	rs4637905	T	C	0.190	0.029	0.213	3.83E-11	0.017	0.012	0.160	0.012	43.676	TRUE	1.28E-10
Overall asthma	KDM1A	cg01718365	rs6658785	C	T	0.235	0.030	0.179	9.93E-15	-0.025	0.012	0.045	0.016	59.878	TRUE	7.32E-14
Overall asthma	KDM1A	cg22683154	rs4620508	T	C	0.140	0.025	0.327	1.99E-08	-0.009	0.010	0.380	0.008	31.486	TRUE	4.00E-08
Overall asthma	KDM1A	cg23271558	rs2072945	A	C	-0.264	0.032	0.151	1.58E-16	0.045	0.014	8.60E-04	0.018	68.029	TRUE	3.35E-15
Overall asthma	KDM4A	cg00946598	rs10890266	T	C	-0.226	0.024	0.357	9.06E-21	0.020	0.010	0.040	0.023	87.309	TRUE	1.18E-19
Overall asthma	KDM4A	cg00946598	rs145623194	T	C	0.307	0.054	0.054	1.51E-08	-0.010	0.022	0.660	0.009	32.025	TRUE	2.39E-08
Overall asthma	KDM4A	cg00946598	rs61768371	A	G	0.413	0.024	0.368	2.46E-66	-0.014	0.010	0.170	0.074	295.832	TRUE	4.41E-63
Overall asthma	KDM4A	cg05886813	rs112476957	T	C	0.300	0.042	0.090	1.45E-12	-0.026	0.017	0.130	0.013	50.092	TRUE	5.88E-12
Overall asthma	KDM4A	cg05886813	rs11590627	C	T	-0.570	0.024	0.327	2.10E-123	-0.002	0.010	0.840	0.131	557.875	TRUE	2.08E-116
Overall asthma	KDM4A	cg05886813	rs12126199	T	C	-0.392	0.066	0.030	2.40E-09	-0.026	0.027	0.340	0.010	35.595	TRUE	5.33E-09
Overall asthma	KDM4A	cg05886813	rs12132745	A	G	0.452	0.046	0.068	4.56E-23	0.015	0.019	0.420	0.026	97.776	TRUE	2.40E-22
Overall asthma	KDM4A	cg05886813	rs4660756	T	C	0.262	0.025	0.318	1.80E-25	-0.011	0.011	0.320	0.029	108.732	TRUE	1.41E-24
Overall asthma	KDM4A	cg05886813	rs516921	T	G	0.175	0.030	0.190	4.23E-09	0.013	0.012	0.280	0.009	34.496	TRUE	9.86E-09
Overall asthma	KDM4A	cg05886813	rs6429645	C	G	-0.259	0.032	0.148	4.74E-16	0.011	0.013	0.390	0.017	65.867	TRUE	1.55E-15
Overall asthma	KDM4A	cg05886813	rs72671121	T	A	0.157	0.024	0.412	4.33E-11	0.008	0.010	0.390	0.012	43.433	TRUE	1.01E-10
Overall asthma	KDM4A	cg05886813	rs78050663	T	A	-0.501	0.047	0.071	6.20E-27	-0.036	0.018	0.047	0.030	115.410	TRUE	1.52E-25
Overall asthma	KDM4A	cg08462360	rs12034875	C	T	-0.190	0.025	0.319	1.10E-14	0.022	0.010	0.028	0.016	59.680	TRUE	8.76E-14
Overall asthma	KDM4A	cg08462360	rs4660756	T	C	0.147	0.025	0.318	3.54E-09	-0.011	0.011	0.320	0.009	34.844	TRUE	7.91E-09

Overall asthma	KDM4A	cg19743044	rs11590627	C	T	-0.643	0.024	0.327	4.76E-160	-0.002	0.010	0.840	0.164	726.271	TRUE	5.59E-149
Overall asthma	KDM4A	cg19743044	rs12126199	T	C	-0.465	0.066	0.030	1.33E-12	-0.026	0.027	0.340	0.013	50.259	TRUE	3.70E-12
Overall asthma	KDM4A	cg19743044	rs12132745	A	G	0.586	0.046	0.068	5.79E-38	0.015	0.019	0.420	0.043	165.819	TRUE	1.16E-36
Overall asthma	KDM4A	cg19743044	rs1981080	T	G	0.135	0.024	0.487	1.07E-08	0.005	0.010	0.590	0.009	32.699	TRUE	1.79E-08
Overall asthma	KDM4A	cg19743044	rs201958677	T	A	0.240	0.024	0.353	1.06E-22	-0.015	0.010	0.150	0.025	96.108	TRUE	1.04E-21
Overall asthma	KDM4A	cg19743044	rs2231284	C	T	0.183	0.033	0.139	3.14E-08	0.009	0.014	0.500	0.008	30.600	TRUE	5.49E-08
Overall asthma	KDM4A	cg19743044	rs56072551	T	G	0.309	0.042	0.093	2.50E-13	-0.026	0.017	0.140	0.014	53.540	TRUE	1.09E-12
Overall asthma	KDM4A	cg19743044	rs618369	G	T	0.193	0.035	0.290	3.68E-08	0.005	0.011	0.630	0.008	30.295	TRUE	5.75E-08
Overall asthma	KDM4A	cg19743044	rs6429645	C	G	-0.264	0.032	0.148	1.04E-16	0.011	0.013	0.390	0.018	68.864	TRUE	3.55E-16
Overall asthma	KDM4A	cg19743044	rs78050663	T	A	-0.555	0.047	0.071	8.76E-33	-0.036	0.018	0.047	0.037	142.132	TRUE	4.11E-31
Overall asthma	KDM4A	cg20942219	rs3791033	C	T	-0.216	0.024	0.347	7.79E-19	-0.011	0.010	0.270	0.021	78.511	TRUE	3.85E-18
Overall asthma	KIF1B	cg03517919	rs11121529	G	C	0.510	0.037	0.112	3.69E-42	0.027	0.015	0.073	0.048	185.023	TRUE	4.16E-40
Overall asthma	KIF1B	cg03517919	rs11121551	C	T	-0.246	0.024	0.358	3.52E-24	-0.018	0.010	0.064	0.027	102.849	TRUE	5.31E-23
Overall asthma	KIF1B	cg11342332	rs12127553	G	A	0.156	0.024	0.336	1.13E-10	-0.020	0.010	0.049	0.011	41.558	TRUE	5.19E-10
Overall asthma	KIF1B	cg11342332	rs185146752	A	G	0.414	0.068	0.028	1.36E-09	-0.021	0.029	0.470	0.010	36.711	TRUE	2.66E-09
Overall asthma	KIF1B	cg11342332	rs4846204	T	C	-0.239	0.036	0.124	1.95E-11	0.026	0.014	0.072	0.012	44.994	TRUE	8.85E-11
Overall asthma	KIF1B	cg11399195	rs11121529	G	C	-0.513	0.037	0.112	8.95E-43	0.027	0.015	0.073	0.048	187.839	TRUE	1.09E-40
Overall asthma	KIF1B	cg11399195	rs4240911	C	T	0.257	0.025	0.328	3.66E-25	-0.017	0.010	0.100	0.028	107.328	TRUE	5.55E-24
Overall asthma	KIF1B	cg11712187	rs11121525	T	C	0.232	0.038	0.102	1.00E-09	-0.005	0.015	0.730	0.010	37.303	TRUE	1.58E-09
Overall asthma	KIF1B	cg11712187	rs1307490	T	C	0.305	0.044	0.080	4.95E-12	-0.016	0.018	0.380	0.013	47.680	TRUE	1.26E-11
Overall asthma	KIF1B	cg11712187	rs568844631	C	T	0.878	0.067	0.028	7.08E-39	-0.022	0.029	0.440	0.044	169.994	TRUE	1.50E-37
Overall asthma	KIF1B	cg11802797	rs11121529	G	C	0.336	0.038	0.112	5.13E-19	0.027	0.015	0.073	0.021	79.335	TRUE	4.64E-18
Overall asthma	KIF1B	cg11802797	rs35859381	A	G	-0.168	0.024	0.356	4.44E-12	-0.018	0.010	0.074	0.013	47.896	TRUE	2.06E-11
Overall asthma	KIF1B	cg15208524	rs35111552	G	C	0.289	0.025	0.290	2.30E-30	-0.018	0.011	0.100	0.034	131.078	TRUE	5.56E-29
Overall asthma	KIF1B	cg19092837	rs11121529	G	C	-0.334	0.037	0.112	2.22E-19	0.027	0.015	0.073	0.021	80.989	TRUE	2.08E-18
Overall asthma	KIF1B	cg19092837	rs115297149	T	G	0.492	0.066	0.028	8.27E-14	-0.022	0.029	0.450	0.015	55.711	TRUE	2.17E-13
Overall asthma	KIF1B	cg19092837	rs12127553	G	A	0.145	0.024	0.336	1.80E-09	-0.020	0.010	0.049	0.010	36.162	TRUE	7.27E-09
Overall asthma	KIF1B	cg23716690	rs11121529	G	C	-0.371	0.038	0.112	8.38E-23	0.027	0.015	0.073	0.025	96.572	TRUE	1.10E-21
Overall asthma	KIF1B	cg23716690	rs12127553	G	A	0.473	0.024	0.336	5.51E-87	-0.020	0.010	0.049	0.096	390.600	TRUE	9.88E-82
Overall asthma	KIF1B	cg23716690	rs2086650	T	C	-0.136	0.024	0.459	8.20E-09	0.022	0.010	0.024	0.009	33.209	TRUE	3.62E-08
Overall asthma	KIF1B	cg23716690	rs61782927	G	A	0.317	0.056	0.040	1.42E-08	0.002	0.025	0.950	0.009	32.147	TRUE	1.82E-08
Overall asthma	KIF1B	cg26116724	rs113331329	G	C	-0.464	0.073	0.030	2.22E-10	0.001	0.029	0.960	0.011	40.244	TRUE	3.01E-10
Overall asthma	KIF1B	cg26247646	rs11121529	G	C	-0.549	0.037	0.112	1.06E-48	0.027	0.015	0.073	0.055	214.976	TRUE	2.78E-46
Overall asthma	KIF1B	cg26247646	rs4240911	C	T	0.289	0.025	0.328	1.95E-31	-0.017	0.010	0.100	0.035	135.974	TRUE	5.66E-30
Overall asthma	KIF1B	cg26247646	rs7536149	T	C	-0.145	0.026	0.274	1.41E-08	-0.003	0.011	0.770	0.009	32.152	TRUE	2.04E-08
Overall asthma	KIF25	cg01134139	rs2636354	C	T	-0.270	0.027	0.343	3.62E-24	0.004	0.010	0.680	0.027	102.789	TRUE	1.44E-23
Overall asthma	KIF25	cg01134139	rs4708627	G	A	0.466	0.036	0.163	2.77E-39	0.020	0.013	0.120	0.044	171.863	TRUE	1.60E-37
Overall asthma	KIF25	cg01878651	rs117005976	G	C	0.435	0.042	0.098	1.23E-25	-0.007	0.016	0.670	0.029	109.486	TRUE	5.51E-25
Overall asthma	KIF25	cg01878651	rs117460701	T	C	-0.583	0.103	0.033	1.64E-08	-0.008	0.021	0.710	0.009	31.859	TRUE	2.50E-08
Overall asthma	KIF25	cg01878651	rs11964963	C	T	0.248	0.029	0.279	9.20E-18	-0.008	0.011	0.440	0.020	73.638	TRUE	3.18E-17
Overall asthma	KIF25	cg01878651	rs227235	T	C	-0.674	0.025	0.325	2.66E-155	0.006	0.010	0.570	0.160	704.450	TRUE	2.06E-144
Overall asthma	KIF25	cg01878651	rs227239	T	C	0.275	0.035	0.162	4.18E-15	0.012	0.013	0.370	0.016	61.581	TRUE	1.35E-14

Overall asthma	KIF25	cg01878651	rs3734887	T	C	0.245	0.030	0.206	7.24E-16	-0.011	0.012	0.330	0.017	65.031	TRUE	2.47E-15
Overall asthma	KIF25	cg01878651	rs649023	T	C	-0.204	0.027	0.373	2.75E-14	0.015	0.010	0.130	0.015	57.875	TRUE	1.29E-13
Overall asthma	KIF25	cg03119088	rs6455477	A	T	-0.214	0.029	0.279	7.08E-14	-0.026	0.011	0.020	0.015	56.016	TRUE	5.81E-13
Overall asthma	KIF25	cg03662475	rs2636354	C	T	-0.162	0.027	0.343	1.35E-09	0.004	0.010	0.680	0.010	36.727	TRUE	2.20E-09
Overall asthma	KIF25	cg03873264	rs116937646	C	T	-0.329	0.052	0.062	2.96E-10	-0.002	0.019	0.920	0.011	39.676	TRUE	4.13E-10
Overall asthma	KIF25	cg03873264	rs2076664	A	G	0.203	0.035	0.168	5.04E-09	-0.020	0.013	0.130	0.009	34.154	TRUE	1.51E-08
Overall asthma	KIF25	cg03873264	rs55996044	A	C	0.163	0.026	0.359	5.27E-10	-0.010	0.010	0.300	0.010	38.553	TRUE	1.25E-09
Overall asthma	KIF25	cg03873264	rs57847661	T	A	-0.439	0.043	0.099	5.48E-25	-0.001	0.016	0.970	0.028	106.529	TRUE	1.61E-24
Overall asthma	KIF25	cg03873264	rs62426260	G	A	-0.227	0.028	0.289	3.10E-16	-0.011	0.011	0.300	0.018	66.701	TRUE	1.16E-15
Overall asthma	KIF25	cg03873264	rs73040830	C	T	-1.791	0.070	0.031	1.74E-144	0.019	0.028	0.490	0.150	654.748	TRUE	9.28E-135
Overall asthma	KIF25	cg03873264	rs7741791	A	C	-0.305	0.033	0.193	7.08E-21	0.006	0.012	0.610	0.023	87.796	TRUE	2.46E-20
Overall asthma	KIF25	cg03873264	rs9455926	T	C	-0.193	0.029	0.279	2.44E-11	-0.007	0.011	0.530	0.012	44.554	TRUE	4.99E-11
Overall asthma	KIF25	cg04680494	rs4708629	C	T	-0.157	0.026	0.402	1.51E-09	0.007	0.010	0.490	0.010	36.496	TRUE	2.93E-09
Overall asthma	KIF25	cg05282968	rs6922131	A	G	0.255	0.029	0.260	1.37E-18	-0.025	0.011	0.024	0.020	77.392	TRUE	1.76E-17
Overall asthma	KIF25	cg05392263	rs112582432	G	C	0.413	0.036	0.153	5.79E-30	-0.005	0.014	0.710	0.034	129.243	TRUE	3.40E-29
Overall asthma	KIF25	cg05392263	rs12663760	T	C	-0.303	0.044	0.076	7.28E-12	0.009	0.017	0.590	0.013	46.925	TRUE	1.46E-11
Overall asthma	KIF25	cg05392263	rs2636354	C	T	-0.154	0.027	0.343	8.67E-09	0.004	0.010	0.680	0.009	33.101	TRUE	1.36E-08
Overall asthma	KIF25	cg08476511	rs10455760	T	G	0.178	0.029	0.275	7.19E-10	-0.002	0.011	0.870	0.010	37.947	TRUE	1.03E-09
Overall asthma	KIF25	cg08476511	rs227235	T	C	-0.422	0.026	0.325	1.22E-57	0.006	0.010	0.570	0.065	255.957	TRUE	1.75E-55
Overall asthma	KIF25	cg08476511	rs2516795	G	T	0.180	0.030	0.215	2.23E-09	-0.012	0.012	0.290	0.010	35.744	TRUE	5.05E-09
Overall asthma	KIF25	cg08476511	rs4708627	G	A	0.838	0.034	0.163	6.02E-131	0.020	0.013	0.120	0.138	592.528	TRUE	7.13E-122
Overall asthma	KIF25	cg08476511	rs6900844	A	G	0.354	0.030	0.243	6.91E-33	0.012	0.011	0.300	0.037	142.601	TRUE	1.19E-31
Overall asthma	KIF25	cg08476511	rs739322	A	G	0.462	0.043	0.081	1.78E-26	-0.005	0.017	0.770	0.030	113.321	TRUE	7.47E-26
Overall asthma	KIF25	cg08476511	rs9455935	T	C	-0.235	0.029	0.260	8.41E-16	-0.025	0.011	0.025	0.017	64.736	TRUE	7.99E-15
Overall asthma	KIF25	cg10146514	rs2636362	G	T	-0.225	0.026	0.409	2.80E-18	0.005	0.010	0.580	0.020	75.981	TRUE	8.35E-18
Overall asthma	KIF25	cg12003941	rs2516795	G	T	0.175	0.030	0.215	6.18E-09	-0.012	0.012	0.290	0.009	33.760	TRUE	1.36E-08
Overall asthma	KIF25	cg12003941	rs2636362	G	T	-0.226	0.026	0.409	1.75E-18	0.005	0.010	0.580	0.020	76.907	TRUE	5.30E-18
Overall asthma	KIF25	cg12003941	rs4708627	G	A	0.319	0.036	0.163	5.89E-19	0.020	0.013	0.120	0.021	79.061	TRUE	4.26E-18
Overall asthma	KIF25	cg12003941	rs78769974	T	C	-0.403	0.062	0.047	1.03E-10	-0.009	0.022	0.690	0.011	41.746	TRUE	1.77E-10
Overall asthma	KIF25	cg12003941	rs9295037	T	C	0.613	0.044	0.080	6.32E-45	-0.002	0.017	0.890	0.051	197.688	TRUE	1.13E-43
Overall asthma	KIF25	cg13314057	rs57938508	G	A	0.208	0.029	0.260	1.28E-12	-0.024	0.011	0.031	0.013	50.339	TRUE	8.07E-12
Overall asthma	KIF25	cg13770417	rs2843005	T	C	0.154	0.028	0.281	4.24E-08	-0.001	0.011	0.930	0.008	30.021	TRUE	5.40E-08
Overall asthma	KIF25	cg13770417	rs41266301	C	T	-1.238	0.039	0.100	2.88E-222	-0.003	0.016	0.840	0.215	1012.308	TRUE	2.07E-202
Overall asthma	KIF25	cg13770417	rs4708629	C	T	0.177	0.026	0.402	9.79E-12	0.007	0.010	0.490	0.012	46.344	TRUE	2.17E-11
Overall asthma	KIF25	cg13770417	rs55996044	A	C	0.253	0.026	0.359	3.43E-22	-0.010	0.010	0.300	0.025	93.784	TRUE	2.04E-21
Overall asthma	KIF25	cg13770417	rs9455928	A	T	-0.180	0.029	0.279	5.19E-10	-0.007	0.011	0.520	0.010	38.584	TRUE	9.85E-10
Overall asthma	KIF25	cg14316629	rs2516811	A	G	-0.291	0.031	0.226	1.71E-21	0.008	0.012	0.510	0.024	90.611	TRUE	6.83E-21
Overall asthma	KIF25	cg14316629	rs2843005	T	C	-0.197	0.028	0.281	2.28E-12	-0.001	0.011	0.930	0.013	49.201	TRUE	3.46E-12
Overall asthma	KIF25	cg14316629	rs4708627	G	A	-0.554	0.035	0.163	2.95E-55	0.020	0.013	0.120	0.062	245.028	TRUE	1.29E-52
Overall asthma	KIF25	cg14316629	rs73042810	C	T	-0.485	0.062	0.049	3.17E-15	-0.003	0.021	0.880	0.017	62.124	TRUE	5.77E-15
Overall asthma	KIF25	cg14316629	rs9295037	T	C	0.760	0.043	0.080	2.43E-69	-0.002	0.017	0.890	0.077	309.623	TRUE	8.74E-67
Overall asthma	KIF25	cg15371806	rs227239	T	C	0.767	0.034	0.162	5.94E-114	0.012	0.013	0.370	0.122	514.448	TRUE	3.32E-107

Overall asthma	KIF25	cg15371806	rs57161854	T	C	0.601	0.096	0.021	4.17E-10	-0.044	0.034	0.190	0.010	39.010	TRUE	1.19E-09
Overall asthma	KIF25	cg15371806	rs9346641	A	T	-0.273	0.029	0.241	5.17E-21	-0.003	0.011	0.790	0.023	88.419	TRUE	1.45E-20
Overall asthma	KIF25	cg15371806	rs9455933	T	C	-0.154	0.026	0.444	2.21E-09	-0.019	0.010	0.046	0.010	35.757	TRUE	8.67E-09
Overall asthma	KIF25	cg16038269	rs227238	C	G	-0.175	0.027	0.321	8.45E-11	0.005	0.010	0.640	0.011	42.129	TRUE	1.52E-10
Overall asthma	KIF25	cg16320173	rs9364390	T	G	-0.250	0.045	0.079	2.54E-08	-0.005	0.018	0.780	0.008	31.017	TRUE	3.60E-08
Overall asthma	KIF25	cg16912129	rs3823455	G	A	-0.371	0.043	0.099	2.63E-18	0.000	0.016	1.000	0.020	76.109	TRUE	5.00E-18
Overall asthma	KIF25	cg16912129	rs62426260	G	A	-0.173	0.028	0.289	5.99E-10	-0.011	0.011	0.300	0.010	38.303	TRUE	1.42E-09
Overall asthma	KIF25	cg16912129	rs6924345	C	G	-0.193	0.032	0.203	2.52E-09	0.001	0.012	0.960	0.010	35.505	TRUE	3.29E-09
Overall asthma	KIF25	cg16912129	rs73040836	T	G	-1.452	0.072	0.030	2.74E-90	0.017	0.028	0.530	0.099	405.765	TRUE	6.86E-86
Overall asthma	KIF25	cg16912129	rs7741791	A	C	-0.221	0.033	0.193	1.48E-11	0.006	0.012	0.610	0.012	45.541	TRUE	2.86E-11
Overall asthma	KIF25	cg18009322	rs227239	T	C	0.374	0.035	0.162	9.19E-27	0.012	0.013	0.370	0.030	114.629	TRUE	7.47E-26
Overall asthma	KIF25	cg18009322	rs2516791	T	C	-0.155	0.026	0.434	1.59E-09	0.005	0.010	0.620	0.010	36.402	TRUE	2.73E-09
Overall asthma	KIF25	cg18319852	rs10945461	C	T	-0.224	0.027	0.294	3.31E-16	0.014	0.010	0.180	0.018	66.575	TRUE	1.68E-15
Overall asthma	KIF25	cg18319852	rs9295037	T	C	0.669	0.043	0.080	1.38E-53	-0.002	0.017	0.890	0.060	237.371	TRUE	6.37E-52
Overall asthma	KIF25	cg21477075	rs3778670	T	C	0.450	0.036	0.153	2.83E-35	-0.005	0.014	0.710	0.040	153.516	TRUE	2.62E-34
Overall asthma	KIF25	cg21477075	rs6455469	C	T	0.230	0.034	0.163	2.27E-11	-0.021	0.013	0.110	0.012	44.695	TRUE	8.79E-11
Overall asthma	KIF25	cg21477075	rs739323	T	G	0.466	0.064	0.043	3.61E-13	-0.004	0.023	0.850	0.014	52.818	TRUE	6.11E-13
Overall asthma	KIF25	cg21477075	rs78484265	C	A	0.210	0.038	0.121	3.42E-08	-0.008	0.015	0.610	0.008	30.434	TRUE	5.46E-08
Overall asthma	KIF25	cg21477075	rs9455911	G	C	-0.218	0.027	0.352	5.42E-16	0.014	0.010	0.170	0.017	65.604	TRUE	2.70E-15
Overall asthma	KIF25	cg21477075	rs957382	T	C	-0.477	0.026	0.323	2.83E-73	0.004	0.010	0.690	0.081	327.670	TRUE	2.82E-70
Overall asthma	KIF25	cg21906947	rs4708628	C	T	-0.198	0.027	0.294	5.23E-13	0.014	0.010	0.170	0.014	52.088	TRUE	2.02E-12
Overall asthma	KIF25	cg23823000	rs140772139	A	G	-0.218	0.038	0.126	7.57E-09	-0.022	0.014	0.120	0.009	33.365	TRUE	2.27E-08
Overall asthma	KIF25	cg23823000	rs2516811	A	G	-0.445	0.030	0.226	6.03E-49	0.008	0.012	0.510	0.055	216.104	TRUE	3.22E-47
Overall asthma	KIF25	cg23823000	rs4708627	G	A	-0.970	0.034	0.163	1.32E-181	0.020	0.013	0.120	0.182	825.369	TRUE	3.20E-166
Overall asthma	KIF25	cg23823000	rs4708628	C	T	0.573	0.027	0.294	5.05E-103	0.014	0.010	0.170	0.112	464.244	TRUE	7.13E-97
Overall asthma	KIF25	cg23823000	rs6900844	A	G	-0.258	0.030	0.243	4.50E-18	0.012	0.011	0.300	0.020	75.050	TRUE	2.08E-17
Overall asthma	KIF25	cg23823000	rs73028311	T	C	-0.608	0.108	0.030	2.02E-08	0.010	0.028	0.730	0.008	31.455	TRUE	2.99E-08
Overall asthma	KIF25	cg23823000	rs73042809	C	A	-0.437	0.059	0.054	8.17E-14	0.008	0.019	0.680	0.015	55.735	TRUE	1.68E-13
Overall asthma	KIF25	cg24246628	rs10455760	T	G	0.193	0.029	0.275	2.45E-11	-0.002	0.011	0.870	0.012	44.551	TRUE	3.73E-11
Overall asthma	KIF25	cg24246628	rs10945461	C	T	-0.399	0.027	0.294	4.25E-49	0.014	0.010	0.180	0.055	216.804	TRUE	6.73E-47
Overall asthma	KIF25	cg24246628	rs2516795	G	T	0.197	0.030	0.215	6.38E-11	-0.012	0.012	0.290	0.011	42.677	TRUE	1.62E-10
Overall asthma	KIF25	cg24246628	rs2516811	A	G	0.257	0.031	0.226	4.94E-17	0.008	0.012	0.510	0.019	70.321	TRUE	1.45E-16
Overall asthma	KIF25	cg24246628	rs4708627	G	A	0.825	0.034	0.163	7.54E-127	0.020	0.013	0.120	0.134	573.699	TRUE	3.23E-118
Overall asthma	KIF25	cg24246628	rs58330333	C	T	0.528	0.043	0.084	1.42E-34	-0.003	0.017	0.850	0.039	150.321	TRUE	1.02E-33
Overall asthma	KIF25	cg25945504	rs6455477	A	T	-0.242	0.029	0.279	2.33E-17	-0.026	0.011	0.020	0.019	71.807	TRUE	2.81E-16
Overall asthma	KIF25	cg25945504	rs73260879	G	A	-1.974	0.120	0.011	6.78E-61	-0.023	0.043	0.590	0.068	270.879	TRUE	1.42E-58
Overall asthma	KIF25	cg25945504	rs739322	A	G	0.344	0.044	0.081	2.81E-15	-0.005	0.017	0.770	0.017	62.363	TRUE	5.72E-15
Overall asthma	KIF25	cg27083466	rs73040836	T	G	-0.617	0.074	0.030	7.96E-17	0.017	0.028	0.530	0.018	69.382	TRUE	2.27E-16
Overall asthma	KITLG	cg17399545	rs11104881	T	C	-0.147	0.026	0.304	1.12E-08	0.030	0.010	0.004	0.009	32.607	TRUE	7.10E-08
Overall asthma	LAPTM4A	cg00289125	rs1147117	T	A	0.190	0.026	0.288	9.60E-14	0.012	0.011	0.280	0.015	55.418	TRUE	3.18E-13
Overall asthma	LAPTM4A	cg07509646	rs1147117	T	A	0.186	0.026	0.288	2.99E-13	0.012	0.011	0.280	0.014	53.186	TRUE	9.53E-13
Overall asthma	LAPTM4A	cg08323277	rs3731673	A	C	-0.199	0.029	0.205	4.95E-12	0.013	0.012	0.250	0.013	47.683	TRUE	1.43E-11

Overall asthma	LAPTM4A	cg11245806	rs13022175	T	C	0.219	0.023	0.437	1.13E-20	0.013	0.010	0.170	0.023	86.866	TRUE	8.06E-20
Overall asthma	LAPTM4A	cg11245806	rs1513830	C	T	-0.484	0.028	0.208	2.40E-65	0.013	0.012	0.270	0.073	291.294	TRUE	2.23E-62
Overall asthma	LAPTM4A	cg11245806	rs62109386	A	G	-0.205	0.028	0.227	3.70E-13	0.004	0.011	0.720	0.014	52.767	TRUE	7.16E-13
Overall asthma	LAPTM4A	cg11245806	rs62112220	A	G	-0.439	0.072	0.029	1.02E-09	0.024	0.030	0.420	0.010	37.266	TRUE	2.11E-09
Overall asthma	LAPTM4A	cg11245806	rs6747472	T	C	0.293	0.026	0.293	1.94E-29	-0.010	0.011	0.330	0.033	126.845	TRUE	1.97E-28
Overall asthma	LAPTM4A	cg11245806	rs6756290	G	T	0.140	0.024	0.439	2.80E-09	0.013	0.010	0.180	0.009	35.297	TRUE	7.72E-09
Overall asthma	LAPTM4A	cg11245806	rs75750075	T	A	-0.335	0.053	0.050	3.61E-10	0.009	0.020	0.650	0.011	39.291	TRUE	6.20E-10
Overall asthma	LAPTM4A	cg11645081	rs1947730	C	T	0.140	0.023	0.429	2.22E-09	0.013	0.010	0.170	0.010	35.755	TRUE	6.10E-09
Overall asthma	LAPTM4A	cg11645081	rs61193764	C	T	0.357	0.032	0.162	4.79E-29	-0.003	0.013	0.850	0.033	125.054	TRUE	2.19E-28
Overall asthma	LAPTM4A	cg17953136	rs6705765	G	A	0.220	0.024	0.366	2.11E-19	0.026	0.010	0.010	0.021	81.092	TRUE	3.98E-18
Overall asthma	LAPTM4A	cg17989428	rs12052278	A	G	0.248	0.033	0.146	3.70E-14	0.032	0.014	0.019	0.015	57.293	TRUE	2.96E-13
Overall asthma	LAPTM4A	cg19484160	rs6747472	T	C	0.196	0.026	0.293	2.23E-14	-0.010	0.011	0.330	0.016	58.283	TRUE	6.79E-14
Overall asthma	LAPTM4A	cg22201381	rs28380549	A	G	0.146	0.024	0.403	1.05E-09	0.018	0.010	0.062	0.010	37.216	TRUE	3.91E-09
Overall asthma	LAPTM4A	cg22201381	rs3754909	G	A	-0.236	0.025	0.357	9.58E-22	0.028	0.010	0.005	0.024	91.753	TRUE	2.77E-20
Overall asthma	LAPTM4A	cg23821541	rs6747472	T	C	0.285	0.025	0.293	4.90E-29	-0.010	0.011	0.330	0.033	125.008	TRUE	4.79E-28
Overall asthma	LAPTM5	cg08463932	rs11801629	G	C	0.473	0.025	0.291	1.69E-78	0.010	0.011	0.340	0.087	351.642	TRUE	9.35E-75
Overall asthma	LAPTM5	cg10001720	rs10737354	T	G	0.368	0.023	0.462	4.74E-57	-0.001	0.010	0.900	0.064	253.252	TRUE	3.29E-55
Overall asthma	LAPTM5	cg10001720	rs10753237	A	G	-0.298	0.045	0.158	2.20E-11	0.002	0.014	0.860	0.012	44.760	TRUE	3.38E-11
Overall asthma	LAPTM5	cg10001720	rs10914199	T	C	0.473	0.030	0.186	2.70E-57	-0.016	0.013	0.200	0.064	254.369	TRUE	9.97E-55
Overall asthma	LAPTM5	cg10001720	rs11584510	T	G	-0.272	0.042	0.080	9.86E-11	0.031	0.016	0.049	0.011	41.826	TRUE	4.38E-10
Overall asthma	LAPTM5	cg10001720	rs1188348	C	T	0.844	0.022	0.325	<1E-200	0.016	0.011	0.130	0.294	1538.550	TRUE	2.56E-293
Overall asthma	LAPTM5	cg10001720	rs12130925	G	A	-0.395	0.039	0.099	1.10E-23	0.005	0.015	0.750	0.026	100.586	TRUE	3.91E-23
Overall asthma	LAPTM5	cg10001720	rs2506968	T	C	-0.147	0.025	0.335	2.32E-09	0.012	0.010	0.240	0.010	35.663	TRUE	5.90E-09
Overall asthma	LAPTM5	cg10001720	rs4949310	T	C	0.217	0.025	0.319	1.91E-18	-0.003	0.010	0.750	0.020	76.740	TRUE	4.82E-18
Overall asthma	LAPTM5	cg10001720	rs72657208	G	C	-0.546	0.046	0.077	2.71E-32	0.013	0.018	0.450	0.036	139.888	TRUE	2.91E-31
Overall asthma	LAPTM5	cg10001720	rs76756206	G	C	-0.587	0.079	0.017	1.01E-13	0.004	0.027	0.880	0.015	55.310	TRUE	1.71E-13
Overall asthma	LAPTM5	cg10709350	rs1149050	G	A	-0.307	0.028	0.234	7.27E-28	-0.004	0.012	0.760	0.031	119.658	TRUE	3.44E-27
Overall asthma	LAPTM5	cg10709350	rs1149053	T	C	-0.273	0.031	0.164	7.52E-19	-0.011	0.013	0.380	0.021	78.579	TRUE	3.01E-18
Overall asthma	LAPTM5	cg10709350	rs1391381	C	T	-0.149	0.027	0.250	3.16E-08	0.011	0.011	0.340	0.008	30.593	TRUE	6.59E-08
Overall asthma	LAPTM5	cg10709350	rs1882023	T	C	-0.222	0.025	0.291	1.31E-18	-0.001	0.011	0.940	0.021	77.487	TRUE	2.68E-18
Overall asthma	LAPTM5	cg10709350	rs2377485	A	G	0.253	0.030	0.184	2.63E-17	0.015	0.012	0.230	0.019	71.569	TRUE	1.30E-16
Overall asthma	LAPTM5	cg10709350	rs3795438	T	C	0.927	0.022	0.268	<1E-200	0.020	0.011	0.066	0.326	1786.161	TRUE	<1E-200
Overall asthma	LAPTM5	cg12654790	rs11801629	G	C	0.493	0.025	0.291	1.14E-85	0.010	0.011	0.340	0.094	384.563	TRUE	2.17E-81
Overall asthma	LAPTM5	cg12654790	rs6695981	C	T	0.172	0.028	0.213	7.17E-10	0.000	0.011	0.990	0.010	37.954	TRUE	9.33E-10
Overall asthma	LAPTM5	cg15459165	rs12744988	T	C	0.308	0.026	0.288	3.16E-33	0.014	0.011	0.210	0.038	144.153	TRUE	6.89E-32
Overall asthma	LAPTM5	cg15459165	rs35861413	A	C	-0.177	0.030	0.187	3.60E-09	-0.016	0.013	0.200	0.009	34.808	TRUE	9.17E-09
Overall asthma	LAPTM5	cg17418085	rs34854980	A	T	-0.206	0.030	0.184	4.53E-12	-0.020	0.013	0.130	0.013	47.855	TRUE	1.77E-11
Overall asthma	LAPTM5	cg18221336	rs1050663	T	C	-0.387	0.023	0.490	4.82E-65	-0.020	0.010	0.041	0.073	289.904	TRUE	2.03E-61
Overall asthma	LAPTM5	cg18221336	rs56286814	T	G	0.154	0.027	0.248	1.06E-08	0.010	0.011	0.360	0.009	32.712	TRUE	2.18E-08
Overall asthma	LAPTM5	cg18411043	rs1050663	T	C	-0.166	0.023	0.490	1.39E-12	-0.020	0.010	0.041	0.013	50.173	TRUE	8.07E-12
Overall asthma	LAPTM5	cg18411043	rs35861413	A	C	-0.219	0.030	0.187	2.45E-13	-0.016	0.013	0.200	0.014	53.577	TRUE	8.66E-13
Overall asthma	LAPTM5	cg22034203	rs10753237	A	G	-0.283	0.045	0.158	2.19E-10	0.002	0.014	0.860	0.011	40.270	TRUE	3.21E-10

Overall asthma	LAPTM5	cg22034203	rs10914218	T	C	-0.332	0.023	0.439	1.14E-46	0.007	0.010	0.460	0.053	205.682	TRUE	5.47E-45
Overall asthma	LAPTM5	cg22034203	rs112880254	A	G	-0.350	0.037	0.110	4.30E-21	-0.004	0.014	0.790	0.023	88.782	TRUE	1.22E-20
Overall asthma	LAPTM5	cg22034203	rs11584510	T	G	-0.270	0.042	0.080	1.41E-10	0.031	0.016	0.049	0.011	41.134	TRUE	6.15E-10
Overall asthma	LAPTM5	cg22034203	rs12403217	G	A	0.500	0.081	0.023	5.66E-10	0.012	0.033	0.720	0.010	38.415	TRUE	9.16E-10
Overall asthma	LAPTM5	cg22034203	rs1746056	T	C	0.791	0.021	0.401	<1E-200	0.017	0.011	0.110	0.282	1451.701	TRUE	2.28E-278
Overall asthma	LAPTM5	cg22034203	rs2273979	T	C	0.642	0.029	0.184	9.92E-108	-0.016	0.013	0.210	0.116	485.863	TRUE	2.70E-101
Overall asthma	LAPTM5	cg22034203	rs4310484	A	G	-0.190	0.033	0.136	1.28E-08	-0.017	0.014	0.210	0.009	32.348	TRUE	3.08E-08
Overall asthma	LAPTM5	cg22034203	rs76756206	G	C	-0.561	0.079	0.017	1.26E-12	0.004	0.027	0.880	0.013	50.365	TRUE	2.02E-12
Overall asthma	LAPTM5	cg24459792	rs12137058	G	T	-0.241	0.029	0.192	1.24E-16	-0.018	0.013	0.170	0.018	68.502	TRUE	6.46E-16
Overall asthma	LEP	cg00666422	rs12535708	A	C	0.189	0.024	0.388	4.88E-15	0.004	0.010	0.680	0.016	61.274	TRUE	1.07E-14
Overall asthma	LEP	cg00840332	rs12535708	A	C	0.206	0.024	0.388	3.33E-17	0.004	0.010	0.680	0.019	71.099	TRUE	8.28E-17
Overall asthma	LEP	cg19594666	rs7811892	T	C	-0.144	0.023	0.442	9.79E-10	-0.024	0.010	0.015	0.010	37.347	TRUE	5.35E-09
Overall asthma	LEP	cg23753947	rs11768580	G	A	0.499	0.077	0.018	8.96E-11	-0.010	0.036	0.790	0.011	42.014	TRUE	1.43E-10
Overall asthma	LEP	cg25435800	rs3828942	A	G	-0.159	0.024	0.449	1.80E-11	0.004	0.010	0.680	0.012	45.158	TRUE	3.25E-11
Overall asthma	LEP	cg26814075	rs12535708	A	C	0.136	0.025	0.388	2.99E-08	0.004	0.010	0.680	0.008	30.701	TRUE	4.54E-08
Overall asthma	LGALS3	cg02183170	rs12896938	C	T	-0.159	0.028	0.212	1.06E-08	-0.001	0.012	0.910	0.009	32.704	TRUE	1.40E-08
Overall asthma	LGALS3	cg02183170	rs66782529	T	C	-0.399	0.024	0.329	1.00E-59	0.008	0.010	0.450	0.067	265.512	TRUE	2.53E-57
Overall asthma	LGALS3	cg02183170	rs78059908	T	C	-0.266	0.037	0.116	1.33E-12	-0.016	0.016	0.300	0.013	50.264	TRUE	3.78E-12
Overall asthma	LGALS3	cg02183170	rs79860430	G	A	-0.297	0.052	0.050	8.81E-09	-0.017	0.021	0.400	0.009	33.069	TRUE	1.72E-08
Overall asthma	LGALS3	cg04306507	rs10782426	A	G	-0.554	0.023	0.487	3.61E-129	0.004	0.010	0.670	0.136	584.358	TRUE	2.28E-121
Overall asthma	LGALS3	cg04306507	rs117044971	A	C	0.657	0.062	0.066	2.86E-26	0.026	0.019	0.150	0.029	112.379	TRUE	3.48E-25
Overall asthma	LGALS3	cg04306507	rs118105307	T	C	0.503	0.069	0.029	4.07E-13	-0.026	0.026	0.320	0.014	52.582	TRUE	1.21E-12
Overall asthma	LGALS3	cg04306507	rs1187883	T	C	0.911	0.019	0.428	<1E-200	0.001	0.010	0.950	0.393	2394.409	TRUE	<1E-200
Overall asthma	LGALS3	cg04306507	rs12437135	G	A	0.269	0.047	0.068	1.54E-08	-0.016	0.019	0.390	0.009	31.986	TRUE	3.02E-08
Overall asthma	LGALS3	cg04306507	rs17739689	A	T	0.806	0.037	0.105	9.33E-108	0.013	0.016	0.410	0.116	485.985	TRUE	1.09E-101
Overall asthma	LGALS3	cg04306507	rs1959091	G	T	-0.238	0.037	0.110	1.61E-10	0.030	0.015	0.054	0.011	40.870	TRUE	7.26E-10
Overall asthma	LGALS3	cg04306507	rs2236299	A	G	-0.323	0.025	0.295	4.59E-37	0.008	0.011	0.470	0.042	161.707	TRUE	7.45E-36
Overall asthma	LGALS3	cg04306507	rs34670213	G	A	0.351	0.029	0.188	3.22E-33	-0.007	0.012	0.550	0.038	144.117	TRUE	3.30E-32
Overall asthma	LGALS3	cg04306507	rs7141976	T	C	-0.188	0.029	0.247	9.10E-11	-0.010	0.011	0.380	0.011	41.984	TRUE	2.10E-10
Overall asthma	LGALS3	cg04306507	rs7142872	G	C	0.279	0.050	0.059	1.95E-08	-0.040	0.021	0.051	0.008	31.525	TRUE	6.72E-08
Overall asthma	LGALS3	cg04306507	rs7144510	T	C	-0.401	0.025	0.286	5.95E-56	-0.004	0.011	0.720	0.063	248.216	TRUE	4.86E-54
Overall asthma	LGALS3	cg04306507	rs7148450	C	G	-0.265	0.031	0.168	2.45E-17	-0.012	0.013	0.340	0.019	71.709	TRUE	9.32E-17
Overall asthma	LGALS3	cg04306507	rs7160055	C	T	-0.568	0.045	0.140	9.96E-37	0.008	0.013	0.540	0.042	160.167	TRUE	1.43E-35
Overall asthma	LGALS3	cg04306507	rs72715557	T	C	-0.534	0.064	0.035	9.05E-17	-0.042	0.024	0.075	0.018	69.129	TRUE	6.34E-16
Overall asthma	LGALS3	cg04306507	rs77878673	T	C	0.605	0.110	0.023	3.82E-08	-0.001	0.032	0.970	0.008	30.222	TRUE	4.75E-08
Overall asthma	LGALS3	cg04306507	rs78699839	A	C	0.644	0.054	0.044	7.07E-33	-0.006	0.021	0.760	0.037	142.555	TRUE	4.99E-32
Overall asthma	LGALS3	cg04306507	rs79860430	G	A	0.639	0.051	0.050	1.20E-35	-0.017	0.021	0.400	0.040	155.222	TRUE	1.95E-34
Overall asthma	LGALS3	cg04306507	rs8010372	A	G	0.235	0.026	0.296	9.39E-20	-0.013	0.011	0.210	0.022	82.689	TRUE	5.37E-19
Overall asthma	LGALS3	cg04306507	rs8012397	C	A	0.621	0.042	0.093	3.37E-49	-0.018	0.017	0.290	0.055	217.261	TRUE	3.38E-47
Overall asthma	LGALS3	cg04306507	rs8021103	T	G	0.220	0.029	0.209	7.51E-14	-0.007	0.012	0.590	0.015	55.899	TRUE	1.69E-13
Overall asthma	LGALS3	cg04306507	rs945268	G	A	-0.145	0.024	0.470	8.56E-10	0.002	0.010	0.820	0.010	37.609	TRUE	1.27E-09
Overall asthma	LGALS3	cg09939831	rs35082180	T	G	0.214	0.038	0.111	2.23E-08	-0.025	0.015	0.110	0.008	31.270	TRUE	6.71E-08

Overall asthma	LGALS3	cg14871010	rs2341534	G	C	0.252	0.034	0.291	1.23E-13	0.014	0.011	0.170	0.015	54.926	TRUE	4.60E-13
Overall asthma	LGALS3	cg18273401	rs112424812	A	G	0.303	0.047	0.064	1.15E-10	0.010	0.020	0.630	0.011	41.521	TRUE	2.08E-10
Overall asthma	LGALS3	cg18273401	rs11848576	T	C	0.234	0.037	0.109	3.94E-10	-0.004	0.016	0.790	0.010	39.121	TRUE	6.07E-10
Overall asthma	LGALS3	cg18273401	rs74502136	T	A	0.353	0.048	0.072	1.64E-13	-0.039	0.019	0.039	0.014	54.371	TRUE	1.04E-12
Overall asthma	LGALS3	cg18996663	rs1815580	G	A	-0.142	0.024	0.428	1.84E-09	-0.004	0.010	0.710	0.010	36.118	TRUE	2.91E-09
Overall asthma	LGALS3	cg20008101	rs78811976	A	G	-0.303	0.043	0.089	2.48E-12	-0.025	0.018	0.160	0.013	49.039	TRUE	8.98E-12
Overall asthma	LGALS3	cg20008101	rs946063	T	A	0.152	0.026	0.274	6.09E-09	-0.003	0.011	0.800	0.009	33.788	TRUE	8.76E-09
Overall asthma	LGALS3	cg23575099	rs57571649	T	A	-0.222	0.031	0.166	1.16E-12	0.005	0.013	0.680	0.013	50.532	TRUE	2.19E-12
Overall asthma	LGALS8	cg01030476	rs10925181	G	A	0.249	0.033	0.143	6.74E-14	-0.004	0.014	0.750	0.015	56.113	TRUE	1.29E-13
Overall asthma	LGALS8	cg01030476	rs12135604	C	A	0.571	0.025	0.293	9.19E-112	-0.021	0.011	0.050	0.120	504.390	TRUE	2.47E-104
Overall asthma	LGALS8	cg01030476	rs2435261	T	C	0.252	0.040	0.093	3.60E-10	-0.042	0.017	0.010	0.011	39.295	TRUE	2.07E-09
Overall asthma	LGALS8	cg01030476	rs61135021	C	G	0.203	0.027	0.257	2.42E-14	-0.026	0.011	0.018	0.015	58.128	TRUE	2.09E-13
Overall asthma	LGALS8	cg01030476	rs707217	G	A	0.142	0.025	0.327	1.23E-08	-0.025	0.010	0.016	0.009	32.423	TRUE	5.95E-08
Overall asthma	LGALS8	cg01030476	rs76913714	C	G	0.509	0.075	0.026	1.37E-11	-0.036	0.031	0.250	0.012	45.680	TRUE	4.05E-11
Overall asthma	LGALS8	cg01809927	rs10802552	T	C	0.439	0.042	0.076	2.21E-25	-0.024	0.018	0.180	0.028	108.333	TRUE	2.38E-24
Overall asthma	LGALS8	cg01809927	rs10925158	A	G	0.310	0.053	0.101	4.42E-09	0.018	0.016	0.240	0.009	34.411	TRUE	1.05E-08
Overall asthma	LGALS8	cg01809927	rs114507560	A	G	0.451	0.066	0.064	6.07E-12	0.024	0.020	0.230	0.013	47.281	TRUE	1.89E-11
Overall asthma	LGALS8	cg01809927	rs12088366	A	C	0.457	0.043	0.079	6.38E-26	-0.002	0.019	0.900	0.029	110.790	TRUE	2.16E-25
Overall asthma	LGALS8	cg01809927	rs145576998	A	C	-0.454	0.063	0.065	6.96E-13	0.013	0.019	0.490	0.014	51.527	TRUE	1.63E-12
Overall asthma	LGALS8	cg01809927	rs2758993	A	G	0.839	0.021	0.320	<1E-200	-0.016	0.011	0.120	0.297	1559.259	TRUE	7.97E-297
Overall asthma	LGALS8	cg01809927	rs4659707	G	A	0.352	0.024	0.387	1.74E-50	-0.028	0.010	0.005	0.057	223.164	TRUE	2.41E-47
Overall asthma	LGALS8	cg01809927	rs594911	C	G	0.391	0.045	0.073	1.87E-18	-0.040	0.018	0.028	0.020	76.781	TRUE	2.27E-17
Overall asthma	LGALS8	cg01809927	rs707213	A	G	0.581	0.072	0.030	7.60E-16	0.015	0.029	0.620	0.017	64.937	TRUE	1.90E-15
Overall asthma	LGALS8	cg03082060	rs10925155	A	T	0.333	0.026	0.283	2.92E-37	0.007	0.011	0.500	0.042	162.604	TRUE	4.73E-36
Overall asthma	LGALS8	cg03082060	rs113243866	A	G	-0.333	0.041	0.077	5.94E-16	-0.007	0.016	0.650	0.017	65.421	TRUE	1.43E-15
Overall asthma	LGALS8	cg03989567	rs10925158	A	G	0.831	0.052	0.101	4.53E-57	0.018	0.016	0.240	0.064	253.340	TRUE	1.39E-54
Overall asthma	LGALS8	cg03989567	rs653737	C	T	0.276	0.031	0.172	1.03E-18	-0.012	0.013	0.340	0.021	77.968	TRUE	4.33E-18
Overall asthma	LGALS8	cg05338187	rs10925181	G	A	0.261	0.033	0.143	4.21E-15	-0.004	0.014	0.750	0.016	61.568	TRUE	8.58E-15
Overall asthma	LGALS8	cg05338187	rs12127905	G	A	0.221	0.039	0.099	1.27E-08	-0.040	0.016	0.014	0.009	32.367	TRUE	6.11E-08
Overall asthma	LGALS8	cg05338187	rs12135604	C	A	0.603	0.025	0.293	1.47E-125	-0.021	0.011	0.050	0.133	567.769	TRUE	1.04E-116
Overall asthma	LGALS8	cg05338187	rs12136869	A	G	0.355	0.064	0.070	2.62E-08	-0.015	0.020	0.450	0.008	30.955	TRUE	4.81E-08
Overall asthma	LGALS8	cg05338187	rs61135021	C	G	0.222	0.027	0.257	6.99E-17	-0.026	0.011	0.018	0.018	69.637	TRUE	8.01E-16
Overall asthma	LGALS8	cg05338187	rs707217	G	A	0.142	0.025	0.327	1.29E-08	-0.025	0.010	0.016	0.009	32.335	TRUE	6.21E-08
Overall asthma	LGALS8	cg05338187	rs76913714	C	G	0.547	0.075	0.026	3.76E-13	-0.036	0.031	0.250	0.014	52.738	TRUE	1.25E-12
Overall asthma	LGALS8	cg06118122	rs2758168	C	T	-0.182	0.026	0.284	2.53E-12	-0.014	0.011	0.200	0.013	48.997	TRUE	8.49E-12
Overall asthma	LGALS8	cg06118122	rs74363289	T	C	0.365	0.057	0.043	1.68E-10	-0.047	0.024	0.048	0.011	40.787	TRUE	7.38E-10
Overall asthma	LGALS8	cg07913153	rs12404538	C	T	0.233	0.026	0.285	2.20E-19	0.008	0.011	0.490	0.021	81.009	TRUE	7.95E-19
Overall asthma	LGALS8	cg08137948	rs10754578	A	G	0.363	0.051	0.048	7.33E-13	-0.053	0.022	0.015	0.014	51.427	TRUE	5.54E-12
Overall asthma	LGALS8	cg08137948	rs2564741	G	A	0.389	0.024	0.373	8.29E-61	-0.027	0.010	0.006	0.068	270.480	TRUE	4.76E-57
Overall asthma	LGALS8	cg08137948	rs6688531	T	C	0.262	0.040	0.095	3.73E-11	-0.016	0.016	0.320	0.012	43.728	TRUE	9.59E-11
Overall asthma	LGALS8	cg08169200	rs2385494	C	T	0.178	0.030	0.190	3.56E-09	0.003	0.012	0.810	0.009	34.830	TRUE	5.19E-09
Overall asthma	LGALS8	cg08169200	rs4612616	G	C	0.393	0.071	0.026	3.71E-08	-0.011	0.029	0.720	0.008	30.277	TRUE	5.55E-08

Overall asthma	LGALS8	cg08169200	rs766124	A	C	0.359	0.024	0.357	1.96E-50	-0.023	0.010	0.022	0.057	222.926	TRUE	1.29E-47
Overall asthma	LGALS8	cg09334514	rs10754578	A	G	0.335	0.051	0.048	3.68E-11	-0.053	0.022	0.015	0.012	43.755	TRUE	2.29E-10
Overall asthma	LGALS8	cg09334514	rs2853624	T	G	0.369	0.026	0.297	2.20E-47	-0.021	0.011	0.050	0.053	208.952	TRUE	5.59E-45
Overall asthma	LGALS8	cg09334514	rs6684467	G	C	0.234	0.037	0.111	2.92E-10	-0.010	0.016	0.540	0.011	39.703	TRUE	5.54E-10
Overall asthma	LGALS8	cg13444964	rs140705131	A	G	0.566	0.083	0.014	1.03E-11	-0.051	0.036	0.150	0.012	46.249	TRUE	3.61E-11
Overall asthma	LGALS8	cg14252149	rs10925158	A	G	0.351	0.053	0.101	4.48E-11	0.018	0.016	0.240	0.012	43.370	TRUE	1.24E-10
Overall asthma	LGALS8	cg14252149	rs10925179	C	T	0.582	0.033	0.141	2.58E-70	0.001	0.014	0.930	0.078	314.085	TRUE	9.65E-68
Overall asthma	LGALS8	cg14252149	rs10925200	T	G	0.242	0.035	0.141	5.41E-12	-0.026	0.014	0.065	0.013	47.508	TRUE	2.59E-11
Overall asthma	LGALS8	cg14252149	rs10925210	A	T	0.361	0.024	0.354	3.79E-51	-0.020	0.010	0.051	0.058	226.194	TRUE	1.82E-48
Overall asthma	LGALS8	cg14252149	rs113500777	T	A	0.838	0.071	0.031	2.01E-32	-0.003	0.028	0.920	0.037	140.484	TRUE	1.09E-31
Overall asthma	LGALS8	cg14252149	rs115660621	T	C	-0.489	0.064	0.066	1.66E-14	0.015	0.019	0.430	0.016	58.863	TRUE	4.68E-14
Overall asthma	LGALS8	cg14252149	rs12069618	A	G	0.285	0.049	0.061	5.32E-09	-0.032	0.020	0.100	0.009	34.049	TRUE	1.64E-08
Overall asthma	LGALS8	cg14252149	rs1252108	A	G	-0.169	0.024	0.444	1.58E-12	-0.011	0.010	0.260	0.013	49.916	TRUE	4.96E-12
Overall asthma	LGALS8	cg14252149	rs144672563	A	G	0.541	0.067	0.060	9.92E-16	0.040	0.020	0.050	0.017	64.411	TRUE	7.61E-15
Overall asthma	LGALS8	cg14252149	rs1652228	C	T	0.782	0.034	0.129	4.56E-116	-0.022	0.015	0.130	0.124	524.167	TRUE	1.29E-108
Overall asthma	LGALS8	cg14252149	rs2712828	T	C	0.219	0.033	0.158	3.97E-11	-0.017	0.013	0.200	0.012	43.605	TRUE	1.24E-10
Overall asthma	LGALS8	cg14252149	rs35311500	G	C	0.502	0.050	0.057	2.45E-23	0.008	0.019	0.680	0.026	99.006	TRUE	9.28E-23
Overall asthma	LGALS8	cg14252149	rs630101	G	A	0.905	0.025	0.213	5.68E-294	-0.023	0.012	0.061	0.266	1342.066	TRUE	6.74E-259
Overall asthma	LGALS8	cg14252149	rs72760210	T	C	0.657	0.084	0.022	5.68E-15	-0.019	0.033	0.560	0.016	60.975	TRUE	1.41E-14
Overall asthma	LGALS8	cg14252149	rs73113054	T	C	0.960	0.143	0.011	1.95E-11	-0.021	0.054	0.700	0.012	44.991	TRUE	3.46E-11
Overall asthma	LGALS8	cg14252149	rs76913714	C	G	0.945	0.075	0.026	1.27E-36	-0.036	0.031	0.250	0.041	159.684	TRUE	3.46E-35
Overall asthma	LGALS8	cg14252149	rs78605459	A	G	-0.283	0.032	0.147	4.78E-19	-0.017	0.013	0.180	0.021	79.474	TRUE	2.87E-18
Overall asthma	LGALS8	cg14252149	rs79149380	T	G	0.431	0.070	0.051	8.83E-10	-0.011	0.021	0.590	0.010	37.547	TRUE	1.56E-09
Overall asthma	LGALS8	cg14252149	rs819434	T	G	1.120	0.020	0.248	<1E-200	-0.015	0.011	0.200	0.459	3133.537	TRUE	<1E-200
Overall asthma	LGALS8	cg18322510	rs116216640	T	C	0.445	0.070	0.030	2.62E-10	-0.020	0.029	0.490	0.011	39.921	TRUE	5.25E-10
Overall asthma	LGALS8	cg18322510	rs12135604	C	A	0.604	0.025	0.293	1.27E-125	-0.021	0.011	0.050	0.133	568.070	TRUE	9.07E-117
Overall asthma	LGALS8	cg18322510	rs12136869	A	G	0.351	0.064	0.070	3.72E-08	-0.015	0.020	0.450	0.008	30.272	TRUE	6.77E-08
Overall asthma	LGALS8	cg18322510	rs488306	T	C	0.253	0.040	0.096	1.86E-10	-0.042	0.016	0.011	0.011	40.587	TRUE	1.21E-09
Overall asthma	LGALS8	cg18322510	rs61135021	C	G	0.219	0.027	0.257	2.18E-16	-0.026	0.011	0.018	0.018	67.399	TRUE	2.36E-15
Overall asthma	LGALS8	cg18322510	rs707217	G	A	0.136	0.025	0.327	4.97E-08	-0.025	0.010	0.016	0.008	29.712	TRUE	2.23E-07
Overall asthma	LGALS8	cg18322510	rs73124727	A	G	0.377	0.045	0.076	3.24E-17	-0.009	0.019	0.630	0.019	71.152	TRUE	8.57E-17
Overall asthma	LGALS8	cg22596738	rs2758991	T	A	0.182	0.027	0.254	1.18E-11	-0.012	0.011	0.280	0.012	45.977	TRUE	3.34E-11
Overall asthma	LIPA	cg09060654	rs111732611	C	T	-0.646	0.116	0.019	2.39E-08	-0.018	0.032	0.580	0.008	31.129	TRUE	3.98E-08
Overall asthma	LIPA	cg09060654	rs12780342	T	C	0.652	0.044	0.150	4.24E-50	-0.024	0.013	0.067	0.056	221.388	TRUE	1.42E-47
Overall asthma	LIPA	cg09060654	rs1412445	T	C	0.181	0.024	0.338	1.64E-13	-0.013	0.010	0.180	0.014	54.370	TRUE	6.16E-13
Overall asthma	LIPA	cg09060654	rs150746801	T	G	0.693	0.112	0.018	5.36E-10	-0.081	0.039	0.038	0.010	38.520	TRUE	2.40E-09
Overall asthma	LIPA	cg09060654	rs2031610	C	T	-0.134	0.024	0.357	2.97E-08	0.008	0.010	0.450	0.008	30.713	TRUE	5.46E-08
Overall asthma	LIPA	cg09060654	rs2266006	A	G	0.155	0.027	0.237	1.01E-08	-0.023	0.011	0.034	0.009	32.804	TRUE	3.96E-08
Overall asthma	LIPA	cg09060654	rs2297473	G	T	-0.249	0.025	0.301	1.30E-22	0.010	0.011	0.350	0.025	95.704	TRUE	7.18E-22
Overall asthma	LIPA	cg09060654	rs304450	G	A	0.169	0.030	0.187	1.55E-08	0.004	0.012	0.760	0.009	31.971	TRUE	2.27E-08
Overall asthma	LIPA	cg09060654	rs67837568	T	C	0.419	0.075	0.029	2.42E-08	0.021	0.030	0.470	0.008	31.110	TRUE	4.33E-08
Overall asthma	LIPA	cg09060654	rs9421696	T	A	0.152	0.027	0.249	2.21E-08	-0.011	0.011	0.330	0.008	31.281	TRUE	4.67E-08

Overall asthma	LIPA	cg09797463	rs1412444	T	C	-0.163	0.024	0.338	3.04E-11	-0.014	0.010	0.180	0.012	44.128	TRUE	1.01E-10
Overall asthma	LIPA	cg09797463	rs2096401	C	T	-0.201	0.025	0.318	7.36E-16	0.017	0.010	0.099	0.017	64.999	TRUE	4.56E-15
Overall asthma	LIPA	cg09797463	rs2801524	A	G	0.150	0.026	0.277	9.66E-09	-0.002	0.011	0.830	0.009	32.890	TRUE	1.34E-08
Overall asthma	LIPA	cg11772224	rs12262734	C	A	0.248	0.045	0.074	4.11E-08	0.029	0.019	0.130	0.008	30.082	TRUE	1.12E-07
Overall asthma	LIPA	cg11772224	rs2250781	C	A	-0.214	0.023	0.475	2.62E-20	0.009	0.010	0.360	0.023	85.210	TRUE	1.23E-19
Overall asthma	LIPA	cg12529006	rs12247969	C	A	-0.252	0.023	0.476	4.97E-27	0.010	0.010	0.320	0.030	115.848	TRUE	4.42E-26
Overall asthma	LIPA	cg12529006	rs12262734	C	A	0.730	0.045	0.074	2.22E-58	0.029	0.019	0.130	0.066	259.350	TRUE	1.48E-55
Overall asthma	LIPA	cg12529006	rs3802657	T	G	0.203	0.036	0.108	1.13E-08	0.006	0.015	0.670	0.009	32.586	TRUE	1.77E-08
Overall asthma	LIPA	cg12555086	rs112517700	A	G	-0.534	0.066	0.036	5.42E-16	-0.014	0.027	0.600	0.017	65.603	TRUE	1.37E-15
Overall asthma	LIPA	cg12555086	rs1412445	T	C	-1.070	0.017	0.338	<1E-200	-0.013	0.010	0.180	0.521	4025.671	TRUE	<1E-200
Overall asthma	LIPA	cg12555086	rs144754510	A	G	0.260	0.029	0.201	4.18E-19	-0.009	0.012	0.460	0.021	79.740	TRUE	1.55E-18
Overall asthma	LIPA	cg12555086	rs145661527	C	G	-0.673	0.089	0.022	4.48E-14	-0.041	0.033	0.210	0.015	56.915	TRUE	1.69E-13
Overall asthma	LIPA	cg12555086	rs188493056	A	C	-0.756	0.091	0.018	1.36E-16	-0.009	0.039	0.820	0.018	68.320	TRUE	2.85E-16
Overall asthma	LIPA	cg12555086	rs2266006	A	G	-0.150	0.027	0.237	3.11E-08	-0.023	0.011	0.034	0.008	30.621	TRUE	1.16E-07
Overall asthma	LIPA	cg12555086	rs303195	G	T	0.211	0.025	0.339	1.23E-17	-0.001	0.010	0.900	0.019	73.063	TRUE	2.51E-17
Overall asthma	LIPA	cg12555086	rs3802657	T	G	-0.362	0.036	0.108	2.75E-24	0.006	0.015	0.670	0.027	103.336	TRUE	1.11E-23
Overall asthma	LIPA	cg12555086	rs4933503	G	T	-0.335	0.031	0.164	2.06E-26	-0.017	0.012	0.160	0.030	113.031	TRUE	2.66E-25
Overall asthma	LIPA	cg12555086	rs4934469	A	G	-0.281	0.029	0.197	2.25E-22	-0.005	0.012	0.670	0.025	94.616	TRUE	7.94E-22
Overall asthma	LIPA	cg12555086	rs6586196	C	T	0.209	0.026	0.278	1.22E-15	0.004	0.011	0.730	0.017	64.003	TRUE	2.62E-15
Overall asthma	LIPA	cg12555086	rs7096524	A	G	0.288	0.027	0.257	7.48E-26	0.022	0.011	0.041	0.029	110.477	TRUE	1.63E-24
Overall asthma	LIPA	cg12555086	rs7099595	G	T	-0.168	0.024	0.435	1.33E-12	0.004	0.010	0.670	0.013	50.255	TRUE	2.58E-12
Overall asthma	LIPA	cg12555086	rs74946827	G	A	-0.544	0.049	0.055	1.13E-28	0.009	0.020	0.640	0.032	123.352	TRUE	6.63E-28
Overall asthma	LIPA	cg12555086	rs7912312	G	A	0.155	0.026	0.269	3.61E-09	-0.008	0.011	0.450	0.009	34.804	TRUE	7.02E-09
Overall asthma	LIPA	cg13931663	rs1556478	T	C	0.444	0.025	0.301	2.45E-70	0.010	0.011	0.320	0.078	314.191	TRUE	3.65E-67
Overall asthma	LIPA	cg13931663	rs304498	A	G	0.170	0.029	0.208	4.88E-09	0.008	0.012	0.490	0.009	34.219	TRUE	9.07E-09
Overall asthma	LIPA	cg15406666	rs2071510	T	G	0.193	0.032	0.389	2.00E-09	-0.006	0.010	0.540	0.010	35.952	TRUE	3.65E-09
Overall asthma	LIPA	cg15406666	rs2250398	A	G	-0.341	0.023	0.475	3.44E-51	0.009	0.010	0.330	0.058	226.384	TRUE	3.89E-49
Overall asthma	LIPA	cg15406666	rs35472070	A	G	0.214	0.036	0.130	2.02E-09	0.008	0.015	0.560	0.010	35.932	TRUE	3.57E-09
Overall asthma	LIPA	cg16398628	rs10430644	C	T	0.242	0.032	0.161	3.10E-14	0.009	0.013	0.500	0.015	57.639	TRUE	7.93E-14
Overall asthma	LIPA	cg16398628	rs112517700	A	G	0.448	0.066	0.036	1.06E-11	-0.014	0.027	0.600	0.012	46.194	TRUE	2.07E-11
Overall asthma	LIPA	cg16398628	rs12359459	G	A	0.256	0.042	0.085	6.75E-10	0.004	0.017	0.820	0.010	38.072	TRUE	1.00E-09
Overall asthma	LIPA	cg16398628	rs12415827	A	G	0.303	0.049	0.128	5.20E-10	-0.041	0.015	0.005	0.010	38.580	TRUE	3.41E-09
Overall asthma	LIPA	cg16398628	rs144754510	A	G	-0.253	0.029	0.201	3.55E-18	-0.009	0.012	0.460	0.020	75.514	TRUE	1.23E-17
Overall asthma	LIPA	cg16398628	rs160052	T	C	0.183	0.026	0.280	1.57E-12	-0.013	0.011	0.210	0.013	49.937	TRUE	5.03E-12
Overall asthma	LIPA	cg16398628	rs1937336	T	A	0.183	0.025	0.343	1.67E-13	0.001	0.010	0.940	0.014	54.335	TRUE	2.65E-13
Overall asthma	LIPA	cg16398628	rs2071510	T	G	0.337	0.033	0.389	9.54E-25	-0.006	0.010	0.540	0.028	105.432	TRUE	4.85E-24
Overall asthma	LIPA	cg16398628	rs2246949	C	T	-1.006	0.017	0.475	<1E-200	0.010	0.010	0.320	0.495	3622.303	TRUE	<1E-200
Overall asthma	LIPA	cg16398628	rs303197	T	C	-0.155	0.025	0.339	3.48E-10	0.000	0.010	0.960	0.011	39.363	TRUE	4.70E-10
Overall asthma	LIPA	cg16398628	rs3802657	T	G	0.250	0.036	0.108	2.19E-12	0.006	0.015	0.670	0.013	49.275	TRUE	4.18E-12
Overall asthma	LIPA	cg16398628	rs41284138	C	T	-0.392	0.067	0.034	4.65E-09	-0.002	0.027	0.940	0.009	34.313	TRUE	6.10E-09
Overall asthma	LIPA	cg16398628	rs4934469	A	G	0.287	0.029	0.197	1.97E-23	-0.005	0.012	0.670	0.026	99.443	TRUE	7.46E-23
Overall asthma	LIPA	cg16398628	rs61853098	A	G	0.499	0.036	0.130	7.88E-44	0.008	0.015	0.580	0.050	192.671	TRUE	2.10E-42

Overall asthma	LIPA	cg16398628	rs7096524	A	G	-0.297	0.027	0.257	1.14E-27	0.022	0.011	0.041	0.031	118.766	TRUE	3.03E-26
Overall asthma	LIPA	cg16398628	rs74946827	G	A	0.320	0.049	0.055	7.74E-11	0.009	0.020	0.640	0.011	42.300	TRUE	1.39E-10
Overall asthma	LIPA	cg16398628	rs928415	A	G	0.514	0.037	0.111	2.37E-43	-0.006	0.015	0.700	0.049	190.481	TRUE	5.00E-42
Overall asthma	LIPA	cg17741809	rs10887909	G	A	-0.177	0.030	0.174	5.63E-09	0.021	0.013	0.100	0.009	33.939	TRUE	1.75E-08
Overall asthma	LIPA	cg17741809	rs12415827	A	G	0.821	0.047	0.128	6.27E-68	-0.041	0.015	0.005	0.076	303.143	TRUE	1.25E-63
Overall asthma	LIPA	cg17741809	rs138097828	A	G	0.481	0.074	0.023	7.75E-11	-0.003	0.030	0.920	0.011	42.297	TRUE	1.11E-10
Overall asthma	LIPA	cg17741809	rs1412445	T	C	0.206	0.024	0.338	3.97E-17	-0.013	0.010	0.180	0.019	70.753	TRUE	2.01E-16
Overall asthma	LIPA	cg17741809	rs2297473	G	T	-0.258	0.025	0.301	3.66E-24	0.010	0.011	0.350	0.027	102.768	TRUE	2.29E-23
Overall asthma	LIPA	cg17741809	rs304450	G	A	0.183	0.030	0.187	9.59E-10	0.004	0.012	0.760	0.010	37.386	TRUE	1.49E-09
Overall asthma	LIPA	cg17741809	rs67837568	T	C	0.498	0.075	0.029	3.30E-11	0.021	0.030	0.470	0.012	43.965	TRUE	7.05E-11
Overall asthma	LIPA	cg17741809	rs7901656	C	T	-0.143	0.025	0.333	7.11E-09	0.004	0.010	0.720	0.009	33.486	TRUE	1.09E-08
Overall asthma	LIPA	cg17741809	rs9421696	T	A	0.184	0.027	0.249	1.17E-11	-0.011	0.011	0.330	0.012	45.992	TRUE	3.13E-11
Overall asthma	LIPA	cg20483560	rs12262734	C	A	0.427	0.045	0.074	2.34E-21	0.029	0.019	0.130	0.024	89.989	TRUE	2.08E-20
Overall asthma	LIPA	cg20483560	rs12359459	G	A	0.242	0.041	0.085	3.68E-09	0.004	0.017	0.820	0.009	34.766	TRUE	5.28E-09
Overall asthma	LIPA	cg20483560	rs144754510	A	G	-0.207	0.029	0.201	7.78E-13	-0.009	0.012	0.460	0.014	51.308	TRUE	1.88E-12
Overall asthma	LIPA	cg20483560	rs1937336	T	A	0.142	0.025	0.343	7.43E-09	0.001	0.010	0.940	0.009	33.401	TRUE	9.71E-09
Overall asthma	LIPA	cg20483560	rs2071510	T	G	0.278	0.032	0.389	2.76E-18	-0.006	0.010	0.540	0.020	76.010	TRUE	8.79E-18
Overall asthma	LIPA	cg20483560	rs2250398	A	G	-0.671	0.020	0.475	1.78E-237	0.009	0.010	0.330	0.226	1082.247	TRUE	3.77E-214
Overall asthma	LIPA	cg20483560	rs2902563	C	T	0.269	0.037	0.108	4.23E-13	-0.010	0.015	0.530	0.014	52.504	TRUE	9.72E-13
Overall asthma	LIPA	cg20483560	rs4934469	A	G	0.190	0.028	0.197	2.78E-11	-0.005	0.012	0.670	0.012	44.301	TRUE	4.98E-11
Overall asthma	LIPA	cg20483560	rs7096524	A	G	-0.175	0.027	0.257	9.92E-11	0.022	0.011	0.041	0.011	41.814	TRUE	4.58E-10
Overall asthma	LIPA	cg20592345	rs1332329	C	A	0.375	0.024	0.345	1.12E-54	-0.016	0.010	0.120	0.061	242.364	TRUE	4.98E-52
Overall asthma	LIPA	cg20592345	rs7901936	T	C	0.510	0.073	0.031	2.25E-12	0.022	0.029	0.440	0.013	49.226	TRUE	5.38E-12
Overall asthma	LTA	cg14910524	rs561747487	A	G	-1.247	0.165	0.011	3.67E-14	-0.110	0.059	0.073	0.015	57.305	TRUE	2.18E-13
Overall asthma	LTBR	cg04911821	rs10849484	T	C	0.206	0.027	0.262	8.30E-15	-0.026	0.011	0.018	0.016	60.231	TRUE	7.56E-14
Overall asthma	LTBR	cg04911821	rs2286600	G	A	0.194	0.033	0.437	2.51E-09	-0.016	0.010	0.091	0.010	35.512	TRUE	8.28E-09
Overall asthma	LTBR	cg04911821	rs28999107	T	G	0.550	0.023	0.431	1.17E-128	-0.018	0.010	0.062	0.136	582.006	TRUE	1.59E-119
Overall asthma	LTBR	cg15784615	rs11611855	T	C	0.167	0.024	0.418	3.01E-12	-0.021	0.010	0.029	0.013	48.656	TRUE	1.78E-11
Overall asthma	LTBR	cg19476647	rs4301834	G	A	-0.297	0.026	0.281	2.83E-30	0.002	0.011	0.860	0.034	130.662	TRUE	1.41E-29
Overall asthma	LTBR	cg23079808	rs2071244	C	G	0.219	0.037	0.247	3.32E-09	-0.014	0.011	0.200	0.009	34.968	TRUE	8.67E-09
Overall asthma	LTBR	cg23079808	rs9669611	T	C	-0.453	0.025	0.292	1.37E-71	-0.002	0.011	0.890	0.080	319.943	TRUE	6.77E-69
Overall asthma	LTBR	cg24621362	rs4301834	G	A	-0.341	0.026	0.281	9.39E-40	0.002	0.011	0.860	0.045	174.011	TRUE	1.06E-38
Overall asthma	LTBR	cg25894255	rs12425441	A	G	-0.145	0.026	0.284	1.56E-08	-0.002	0.011	0.840	0.009	31.964	TRUE	2.16E-08
Overall asthma	LTBR	cg26306994	rs4020660	A	G	0.221	0.024	0.497	1.47E-20	-0.020	0.010	0.039	0.023	86.348	TRUE	1.95E-19
Overall asthma	MADD	cg07637188	rs118134583	C	T	-1.262	0.074	0.027	2.21E-64	-0.070	0.031	0.026	0.072	286.875	TRUE	1.14E-60
Overall asthma	MADD	cg07637188	rs4315028	C	A	-0.203	0.028	0.247	5.53E-13	-0.029	0.011	0.010	0.014	51.977	TRUE	4.94E-12
Overall asthma	MADD	cg17580616	rs113383278	C	G	-0.352	0.062	0.044	1.31E-08	-0.009	0.024	0.710	0.009	32.295	TRUE	1.98E-08
Overall asthma	MADD	cg17580616	rs113954134	A	G	-0.369	0.066	0.033	1.86E-08	0.002	0.026	0.950	0.008	31.617	TRUE	2.38E-08
Overall asthma	MADD	cg17580616	rs2856650	A	G	0.229	0.025	0.303	1.82E-19	0.007	0.011	0.510	0.022	81.377	TRUE	6.34E-19
Overall asthma	MADD	cg17580616	rs326218	T	A	-0.345	0.044	0.075	8.00E-15	0.002	0.018	0.910	0.016	60.304	TRUE	1.39E-14
Overall asthma	MADD	cg17580616	rs74757308	C	A	-0.452	0.080	0.025	1.96E-08	-0.074	0.030	0.015	0.008	31.517	TRUE	9.09E-08
Overall asthma	MADD	cg17580616	rs753993	A	C	-0.498	0.028	0.215	2.91E-69	-0.031	0.012	0.008	0.077	309.258	TRUE	5.72E-65

Overall asthma	MADD	cg17580616	rs7934659	T	C	-0.158	0.026	0.285	2.55E-09	-0.004	0.011	0.710	0.010	35.478	TRUE	3.98E-09
Overall asthma	MADD	cg19501536	rs10838687	G	T	-0.477	0.028	0.215	3.00E-66	-0.031	0.012	0.008	0.074	295.434	TRUE	3.53E-62
Overall asthma	MADD	cg19501536	rs113383278	C	G	-0.400	0.061	0.044	6.54E-11	-0.009	0.024	0.710	0.011	42.630	TRUE	1.11E-10
Overall asthma	MADD	cg19501536	rs113954134	A	G	-0.477	0.064	0.033	1.30E-13	0.002	0.026	0.950	0.015	54.829	TRUE	2.06E-13
Overall asthma	MADD	cg19501536	rs2856650	A	G	0.147	0.025	0.303	4.37E-09	0.007	0.011	0.510	0.009	34.432	TRUE	7.86E-09
Overall asthma	MADD	cg19501536	rs544766788	T	G	0.170	0.026	0.275	3.94E-11	0.027	0.011	0.010	0.012	43.619	TRUE	2.51E-10
Overall asthma	MADD	cg23844623	rs4752978	A	G	0.423	0.030	0.185	1.62E-44	-0.042	0.013	8.90E-04	0.050	195.822	TRUE	1.58E-41
Overall asthma	MADD	cg23844623	rs77082299	A	G	0.423	0.072	0.031	3.86E-09	-0.051	0.030	0.086	0.009	34.677	TRUE	1.27E-08
Overall asthma	MADD	cg25783544	rs7120957	G	A	0.303	0.024	0.325	2.60E-35	-0.027	0.010	0.008	0.040	153.689	TRUE	3.68E-33
Overall asthma	MADD	cg26365553	rs77532017	T	C	0.331	0.032	0.165	8.70E-25	-0.041	0.013	0.002	0.028	105.615	TRUE	5.12E-23
Overall asthma	MAP1LC3B	cg04892447	rs889603	G	C	0.144	0.024	0.400	1.43E-09	0.022	0.010	0.023	0.010	36.607	TRUE	6.82E-09
Overall asthma	MAP1LC3B	cg05038209	rs76910945	G	A	-0.603	0.067	0.026	3.92E-19	-0.040	0.028	0.150	0.021	79.868	TRUE	2.62E-18
Overall asthma	MAP1LC3B	cg09211521	rs111469125	G	A	0.448	0.055	0.050	4.83E-16	0.015	0.023	0.520	0.017	65.828	TRUE	1.36E-15
Overall asthma	MAP1LC3B	cg09211521	rs112154959	T	C	1.049	0.137	0.016	1.81E-14	0.034	0.040	0.400	0.016	58.698	TRUE	5.30E-14
Overall asthma	MAP1LC3B	cg23636419	rs750957	A	G	-0.140	0.024	0.422	2.89E-09	0.025	0.010	0.010	0.009	35.239	TRUE	1.58E-08
Overall asthma	MAP1LC3B	cg26856583	rs148649561	A	C	-1.072	0.093	0.015	5.80E-31	0.039	0.036	0.280	0.035	133.809	TRUE	8.18E-30
Overall asthma	MIR210	cg02471760	rs10902179	C	T	0.667	0.051	0.052	1.60E-39	-0.059	0.021	0.005	0.045	172.952	TRUE	4.52E-37
Overall asthma	MIR210	cg02471760	rs143705409	G	A	0.395	0.066	0.037	2.58E-09	0.014	0.023	0.550	0.009	35.461	TRUE	4.65E-09
Overall asthma	MIR210	cg02471760	rs577649886	T	C	0.137	0.025	0.354	2.53E-08	0.007	0.010	0.490	0.008	31.021	TRUE	4.52E-08
Overall asthma	MIR210	cg03880841	rs10902177	G	A	-0.297	0.035	0.122	1.14E-17	-0.031	0.014	0.031	0.019	73.211	TRUE	1.27E-16
Overall asthma	MIR210	cg03880841	rs7935908	G	A	-0.144	0.024	0.385	2.52E-09	-0.013	0.010	0.170	0.010	35.505	TRUE	6.85E-09
Overall asthma	MIR210	cg08200293	rs12280851	C	G	-0.323	0.024	0.398	4.98E-42	-0.013	0.010	0.180	0.047	184.428	TRUE	3.08E-40
Overall asthma	MIR210	cg08200293	rs12806062	A	G	-0.248	0.037	0.126	1.71E-11	0.003	0.014	0.860	0.012	45.250	TRUE	2.67E-11
Overall asthma	MIR210	cg08200293	rs7124601	A	C	-0.180	0.024	0.470	4.14E-14	-0.003	0.010	0.770	0.015	57.070	TRUE	7.97E-14
Overall asthma	MIR210	cg15482500	rs10902177	G	A	-0.271	0.035	0.122	5.46E-15	-0.031	0.014	0.031	0.016	61.056	TRUE	4.54E-14
Overall asthma	MIR210	cg15482500	rs7935908	G	A	-0.140	0.024	0.385	8.14E-09	-0.013	0.010	0.170	0.009	33.223	TRUE	2.12E-08
Overall asthma	MIR210	cg27193691	rs12360820	A	C	-0.345	0.030	0.168	4.65E-30	-0.019	0.013	0.130	0.034	129.679	TRUE	9.03E-29
Overall asthma	MIR210	cg27193691	rs12792669	G	T	-0.162	0.024	0.390	3.18E-11	-0.012	0.010	0.230	0.012	44.040	TRUE	9.55E-11
Overall asthma	MIR210	cg27193691	rs74233908	A	G	-0.323	0.050	0.056	7.13E-11	-0.018	0.020	0.350	0.011	42.459	TRUE	1.69E-10
Overall asthma	MNT	cg27406664	rs118003502	T	A	0.542	0.070	0.025	8.40E-15	-0.002	0.030	0.960	0.016	60.207	TRUE	1.39E-14
Overall asthma	MNT	cg27406664	rs12951951	C	T	0.378	0.026	0.256	2.90E-46	-0.007	0.011	0.550	0.052	203.817	TRUE	1.10E-44
Overall asthma	MNT	cg27406664	rs1970835	G	A	0.576	0.025	0.278	3.09E-113	-0.003	0.011	0.810	0.121	511.160	TRUE	3.41E-107
Overall asthma	MNT	cg27406664	rs216175	C	A	0.402	0.032	0.159	2.51E-36	-0.026	0.013	0.038	0.041	158.329	TRUE	1.79E-34
Overall asthma	MNT	cg27406664	rs216205	C	T	-0.395	0.027	0.247	5.00E-48	0.009	0.011	0.390	0.054	211.898	TRUE	3.28E-46
Overall asthma	MNT	cg27406664	rs2317225	G	A	0.139	0.024	0.395	7.00E-09	0.003	0.010	0.760	0.009	33.518	TRUE	1.04E-08
Overall asthma	MNT	cg27406664	rs2429918	A	C	0.715	0.111	0.028	1.34E-10	-0.009	0.027	0.750	0.011	41.229	TRUE	2.17E-10
Overall asthma	MNT	cg27406664	rs2429919	A	C	0.896	0.019	0.386	<1E-200	-0.028	0.010	0.006	0.370	2169.027	TRUE	<1E-200
Overall asthma	MNT	cg27406664	rs35110958	T	C	-0.196	0.027	0.245	1.66E-13	-0.010	0.011	0.360	0.014	54.344	TRUE	4.74E-13
Overall asthma	MNT	cg27406664	rs373137716	C	A	0.264	0.027	0.246	1.11E-22	-0.007	0.011	0.530	0.025	96.025	TRUE	4.88E-22
Overall asthma	MNT	cg27406664	rs3752962	C	T	-0.275	0.025	0.313	9.51E-28	0.002	0.010	0.880	0.031	119.127	TRUE	3.78E-27
Overall asthma	MNT	cg27406664	rs3826335	A	G	0.562	0.090	0.045	3.92E-10	-0.009	0.023	0.690	0.010	39.133	TRUE	6.48E-10
Overall asthma	MNT	cg27406664	rs56836279	C	T	0.696	0.108	0.013	1.29E-10	-0.002	0.036	0.970	0.011	41.296	TRUE	1.77E-10

Overall asthma	MNT	cg27406664	rs61733100	A	G	0.411	0.058	0.043	9.26E-13	-0.013	0.023	0.580	0.014	50.967	TRUE	1.99E-12
Overall asthma	MNT	cg27406664	rs61742229	A	G	-0.551	0.064	0.090	6.21E-18	0.009	0.016	0.600	0.020	74.413	TRUE	1.81E-17
Overall asthma	MNT	cg27406664	rs62067978	A	G	-0.191	0.029	0.194	5.91E-11	0.022	0.012	0.058	0.011	42.828	TRUE	2.52E-10
Overall asthma	MNT	cg27406664	rs66494490	T	C	-0.515	0.054	0.046	2.05E-21	-0.025	0.021	0.230	0.024	90.244	TRUE	1.36E-20
Overall asthma	MNT	cg27406664	rs72634004	G	C	0.355	0.038	0.118	5.33E-21	-0.017	0.015	0.250	0.023	88.360	TRUE	3.24E-20
Overall asthma	MNT	cg27406664	rs72824333	G	A	0.477	0.035	0.137	1.86E-43	-0.018	0.015	0.210	0.049	190.966	TRUE	1.13E-41
Overall asthma	MNT	cg27406664	rs74415860	A	G	0.724	0.053	0.047	3.63E-42	-0.027	0.022	0.210	0.048	185.056	TRUE	1.97E-40
Overall asthma	MNT	cg27406664	rs8080303	C	G	-0.295	0.024	0.416	1.68E-35	0.018	0.010	0.069	0.040	154.551	TRUE	9.17E-34
Overall asthma	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	-0.017	0.015	0.260	0.009	33.747	TRUE	1.47E-08
Overall asthma	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	0.031	0.010	0.001	0.010	37.260	TRUE	8.41E-09
Overall asthma	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	0.022	0.010	0.022	0.016	58.608	TRUE	1.57E-13
Overall asthma	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	0.038	0.030	0.200	0.012	43.052	TRUE	1.58E-10
Overall asthma	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	0.025	0.023	0.280	0.008	29.937	TRUE	9.58E-08
Overall asthma	MYH9	cg01816775	rs13058648	A	C	-0.465	0.051	0.049	5.25E-20	0.017	0.020	0.400	0.022	83.836	TRUE	2.30E-19
Overall asthma	MYH9	cg01816775	rs136195	A	G	-0.235	0.025	0.318	6.86E-21	-0.002	0.010	0.880	0.023	87.861	TRUE	1.72E-20
Overall asthma	MYH9	cg01816775	rs2239782	A	G	-0.427	0.026	0.247	6.24E-59	-0.004	0.011	0.700	0.066	261.876	TRUE	7.95E-57
Overall asthma	MYH9	cg01816775	rs3830104	C	T	-0.296	0.043	0.079	3.86E-12	0.004	0.017	0.820	0.013	48.167	TRUE	6.41E-12
Overall asthma	MYH9	cg01816775	rs79013767	A	C	-0.524	0.076	0.020	6.13E-12	-0.016	0.027	0.570	0.013	47.263	TRUE	1.28E-11
Overall asthma	MYH9	cg06765172	rs139973547	A	G	0.573	0.080	0.020	1.01E-12	0.008	0.031	0.800	0.014	50.805	TRUE	1.73E-12
Overall asthma	MYH9	cg08800893	rs8143119	G	T	0.333	0.023	0.403	2.26E-46	0.006	0.010	0.570	0.052	204.311	TRUE	8.26E-45
Overall asthma	MYH9	cg10662871	rs115456990	C	A	0.710	0.068	0.031	2.86E-25	-0.015	0.027	0.590	0.028	107.817	TRUE	1.42E-24
Overall asthma	MYH9	cg10662871	rs74383715	G	A	0.352	0.045	0.084	3.08E-15	-0.021	0.018	0.240	0.017	62.179	TRUE	1.21E-14
Overall asthma	MYH9	cg11434151	rs2187776	C	T	-0.888	0.075	0.024	5.01E-32	-0.067	0.032	0.033	0.036	138.669	TRUE	2.39E-30
Overall asthma	MYH9	cg11691093	rs3752463	G	A	-0.270	0.024	0.405	2.47E-30	0.008	0.010	0.440	0.034	130.931	TRUE	2.36E-29
Overall asthma	MYH9	cg11691093	rs9622371	C	T	0.152	0.023	0.497	6.95E-11	0.006	0.010	0.550	0.011	42.509	TRUE	1.37E-10
Overall asthma	MYH9	cg17163767	rs13058648	A	C	-0.326	0.051	0.049	1.41E-10	0.017	0.020	0.400	0.011	41.125	TRUE	3.18E-10
Overall asthma	MYH9	cg17163767	rs136195	A	G	-0.196	0.025	0.318	4.77E-15	-0.002	0.010	0.880	0.016	61.321	TRUE	8.61E-15
Overall asthma	MYH9	cg17163767	rs2239782	A	G	-0.353	0.026	0.247	1.69E-40	-0.004	0.011	0.700	0.046	177.423	TRUE	2.63E-39
Overall asthma	MYH9	cg17519899	rs13058648	A	C	-0.434	0.051	0.049	1.37E-17	0.017	0.020	0.400	0.019	72.848	TRUE	5.02E-17
Overall asthma	MYH9	cg17519899	rs136195	A	G	-0.251	0.025	0.318	1.23E-23	-0.002	0.010	0.880	0.026	100.375	TRUE	3.67E-23
Overall asthma	MYH9	cg17519899	rs2239782	A	G	-0.405	0.026	0.247	9.16E-53	-0.004	0.011	0.700	0.059	233.604	TRUE	5.43E-51
Overall asthma	MYH9	cg17519899	rs3830104	C	T	-0.333	0.043	0.079	5.59E-15	0.004	0.017	0.820	0.016	61.009	TRUE	1.07E-14
Overall asthma	MYH9	cg17519899	rs79013767	A	C	-0.502	0.076	0.020	4.41E-11	-0.016	0.027	0.570	0.012	43.400	TRUE	8.73E-11
Overall asthma	MYH9	cg23015219	rs115456990	C	A	1.194	0.068	0.031	1.97E-69	-0.015	0.027	0.590	0.077	310.042	TRUE	1.42E-66
Overall asthma	MYH9	cg23015219	rs136206	A	G	0.323	0.025	0.290	4.26E-37	0.000	0.011	0.970	0.042	161.856	TRUE	3.17E-36
Overall asthma	MYH9	cg23015219	rs73167691	A	G	-0.538	0.063	0.033	1.75E-17	-0.060	0.025	0.017	0.019	72.366	TRUE	2.21E-16
Overall asthma	MYH9	cg23015219	rs74277082	T	C	0.411	0.045	0.083	9.04E-20	-0.026	0.018	0.140	0.022	82.763	TRUE	6.49E-19
Overall asthma	MYH9	cg23015219	rs8135600	G	A	0.555	0.039	0.090	9.01E-45	0.023	0.017	0.180	0.051	196.985	TRUE	7.83E-43
Overall asthma	NCK1	cg00658740	rs6800032	C	T	-0.179	0.025	0.295	2.31E-12	-0.026	0.010	0.011	0.013	49.174	TRUE	1.87E-11
Overall asthma	NCK1	cg00658740	rs77203258	C	T	0.331	0.044	0.077	4.85E-14	-0.016	0.018	0.370	0.015	56.759	TRUE	1.42E-13
Overall asthma	NCK1	cg09847234	rs9815771	T	C	0.266	0.025	0.296	1.19E-26	-0.026	0.010	0.011	0.030	114.124	TRUE	5.13E-25
Overall asthma	NCKAP1	cg09997497	rs112105579	T	G	0.460	0.037	0.108	5.15E-35	-0.050	0.015	9.90E-04	0.040	152.330	TRUE	1.45E-32

Overall asthma	NCKAP1	cg09997497	rs11676029	T	A	0.151	0.026	0.276	8.25E-09	-0.004	0.011	0.690	0.009	33.196	TRUE	1.29E-08
Overall asthma	NCKAP1	cg11711114	rs6734848	A	T	-0.212	0.036	0.117	2.61E-09	-0.045	0.015	0.002	0.009	35.433	TRUE	1.82E-08
Overall asthma	NCKAP1	cg15171982	rs288330	T	C	0.153	0.025	0.331	1.07E-09	0.013	0.010	0.210	0.010	37.173	TRUE	2.96E-09
Overall asthma	NCKAP1	cg15171982	rs35368327	T	C	0.672	0.048	0.066	6.57E-44	0.039	0.019	0.044	0.050	193.033	TRUE	1.28E-41
Overall asthma	NFKB1	cg00790535	rs112730086	A	G	-1.037	0.135	0.012	1.45E-14	0.010	0.043	0.820	0.016	59.131	TRUE	2.71E-14
Overall asthma	NFKB1	cg00790535	rs116278158	G	C	-0.403	0.062	0.028	9.31E-11	0.013	0.024	0.590	0.011	41.938	TRUE	1.75E-10
Overall asthma	NFKB1	cg00790535	rs147313775	C	T	-0.577	0.066	0.031	1.57E-18	0.027	0.027	0.320	0.020	77.122	TRUE	6.99E-18
Overall asthma	NFKB1	cg00790535	rs62328536	A	C	-0.195	0.025	0.340	2.29E-15	-0.015	0.010	0.120	0.017	62.766	TRUE	1.16E-14
Overall asthma	NFKB1	cg09390974	rs10004772	A	T	-0.315	0.037	0.109	3.11E-17	0.023	0.016	0.150	0.019	71.233	TRUE	1.78E-16
Overall asthma	NFKB1	cg09390974	rs151378	A	G	-0.147	0.023	0.486	2.21E-10	0.017	0.010	0.083	0.011	40.248	TRUE	8.58E-10
Overall asthma	NFKB1	cg09390974	rs182134822	A	G	0.419	0.068	0.029	8.36E-10	0.013	0.027	0.620	0.010	37.653	TRUE	1.44E-09
Overall asthma	NFKB1	cg09390974	rs3774938	G	A	0.721	0.021	0.397	9.70E-261	-0.007	0.010	0.450	0.243	1189.227	TRUE	1.26E-233
Overall asthma	NFKB1	cg09390974	rs3774965	C	A	0.405	0.063	0.036	1.25E-10	0.007	0.025	0.770	0.011	41.361	TRUE	1.99E-10
Overall asthma	NFKB1	cg09390974	rs393223	G	A	0.253	0.025	0.345	1.21E-24	-0.030	0.010	0.003	0.028	104.961	TRUE	6.04E-23
Overall asthma	NFKB1	cg09390974	rs4648128	G	A	0.517	0.056	0.035	2.84E-20	0.005	0.023	0.810	0.022	85.049	TRUE	7.40E-20
Overall asthma	NFKB1	cg09390974	rs4699059	C	T	0.147	0.024	0.351	1.45E-09	-0.013	0.010	0.200	0.010	36.577	TRUE	3.97E-09
Overall asthma	NFKB1	cg09390974	rs62327228	A	G	0.390	0.064	0.032	1.31E-09	-0.003	0.028	0.900	0.010	36.785	TRUE	1.80E-09
Overall asthma	NFKB1	cg09390974	rs72696152	C	A	0.410	0.052	0.051	4.29E-15	0.030	0.022	0.170	0.016	61.528	TRUE	1.93E-14
Overall asthma	NFKB1	cg09390974	rs76016852	T	C	-0.394	0.049	0.052	1.77E-15	-0.021	0.019	0.260	0.017	63.271	TRUE	6.76E-15
Overall asthma	NFKB1	cg12615753	rs4648097	A	G	-1.239	0.131	0.012	4.19E-21	-0.009	0.040	0.810	0.023	88.833	TRUE	1.15E-20
Overall asthma	NFKB1	cg15409712	rs10004772	A	T	-0.285	0.038	0.109	3.31E-14	0.023	0.016	0.150	0.015	57.513	TRUE	1.45E-13
Overall asthma	NFKB1	cg15409712	rs1598857	T	C	0.722	0.021	0.397	4.09E-266	-0.008	0.010	0.410	0.247	1213.948	TRUE	6.17E-238
Overall asthma	NFKB1	cg15409712	rs227367	A	T	0.224	0.025	0.346	1.59E-19	-0.031	0.010	0.002	0.022	81.643	TRUE	4.54E-18
Overall asthma	NFKB1	cg15409712	rs2293995	C	T	0.318	0.056	0.050	1.62E-08	0.007	0.023	0.760	0.009	31.885	TRUE	2.38E-08
Overall asthma	NFKB1	cg15409712	rs4648006	T	C	0.458	0.051	0.053	5.09E-19	0.032	0.022	0.140	0.021	79.349	TRUE	3.45E-18
Overall asthma	NFKB1	cg15409712	rs4648128	G	A	0.381	0.057	0.035	1.56E-11	0.005	0.023	0.810	0.012	45.429	TRUE	2.52E-11
Overall asthma	NFKB1	cg15409712	rs62327252	G	C	0.374	0.065	0.032	8.86E-09	-0.002	0.028	0.950	0.009	33.059	TRUE	1.14E-08
Overall asthma	NFKB1	cg15409712	rs6533070	G	A	0.132	0.024	0.352	4.89E-08	-0.007	0.010	0.510	0.008	29.743	TRUE	8.45E-08
Overall asthma	NFKB1	cg25905215	rs5026473	A	G	-0.279	0.023	0.491	9.80E-33	0.028	0.010	0.003	0.037	141.907	TRUE	1.31E-30
Overall asthma	NFKB1	cg25905215	rs9996514	C	T	0.201	0.025	0.306	1.74E-15	-0.014	0.010	0.170	0.017	63.309	TRUE	8.28E-15
Overall asthma	NKX3	cg01543179	rs13264763	T	C	0.200	0.037	0.135	4.91E-08	0.027	0.014	0.043	0.008	29.737	TRUE	1.64E-07
Overall asthma	NKX3	cg01543179	rs142463603	A	C	0.238	0.026	0.414	1.97E-20	-0.009	0.010	0.380	0.023	85.770	TRUE	9.07E-20
Overall asthma	NKX3	cg06696292	rs10503734	C	T	-0.455	0.041	0.106	3.51E-29	0.036	0.015	0.016	0.033	125.667	TRUE	1.67E-27
Overall asthma	NKX3	cg13609723	rs4872174	C	T	-0.155	0.027	0.321	1.39E-08	-0.026	0.010	0.011	0.009	32.181	TRUE	7.06E-08
Overall asthma	NKX3	cg18502021	rs77096235	G	A	-0.143	0.026	0.460	2.52E-08	-0.010	0.010	0.310	0.008	31.030	TRUE	5.36E-08
Overall asthma	NKX3	cg21428681	rs34201031	A	G	0.378	0.036	0.136	1.92E-25	0.028	0.013	0.040	0.029	108.613	TRUE	4.65E-24
Overall asthma	NLRP7	cg14876043	rs7248636	A	G	0.511	0.051	0.096	1.32E-23	0.012	0.016	0.480	0.026	100.228	TRUE	6.98E-23
Overall asthma	NLRP7	cg14876043	rs775877	G	A	-0.133	0.024	0.389	2.08E-08	-0.003	0.010	0.780	0.008	31.399	TRUE	2.99E-08
Overall asthma	NLRP7	cg14928510	rs269939	A	G	0.154	0.023	0.451	3.55E-11	0.006	0.010	0.570	0.012	43.823	TRUE	6.95E-11
Overall asthma	NLRP7	cg14928510	rs4806616	G	A	0.662	0.101	0.030	5.20E-11	-0.032	0.025	0.200	0.012	43.076	TRUE	1.58E-10
Overall asthma	NLRP7	cg14928510	rs775886	A	G	0.259	0.024	0.387	1.92E-27	-0.010	0.010	0.330	0.031	117.738	TRUE	1.73E-26
Overall asthma	NLRP7	cg18778097	rs10421098	T	C	0.347	0.028	0.208	4.73E-35	-0.025	0.012	0.035	0.040	152.499	TRUE	3.18E-33

Overall asthma	NLRP7	cg18778097	rs4806616	G	A	0.639	0.101	0.030	2.41E-10	-0.032	0.025	0.200	0.011	40.078	TRUE	6.94E-10
Overall asthma	NLRP7	cg27131908	rs12460693	A	C	-0.207	0.033	0.141	2.62E-10	0.007	0.013	0.580	0.011	39.920	TRUE	4.86E-10
Overall asthma	NOD2	cg01055281	rs1109863	G	A	-0.141	0.026	0.290	3.92E-08	0.020	0.010	0.055	0.008	30.173	TRUE	1.37E-07
Overall asthma	NOD2	cg01055281	rs2066844	T	C	-0.762	0.081	0.046	4.31E-21	0.066	0.022	0.003	0.023	88.779	TRUE	1.37E-19
Overall asthma	NOD2	cg01068906	rs2066844	T	C	-1.527	0.077	0.046	8.55E-87	0.066	0.022	0.003	0.095	389.723	TRUE	9.19E-81
Overall asthma	NOD2	cg01068906	rs62028332	A	G	-0.233	0.035	0.135	2.83E-11	0.014	0.014	0.300	0.012	44.269	TRUE	7.34E-11
Overall asthma	NOD2	cg01068906	rs6500328	G	A	0.197	0.024	0.397	2.65E-16	0.001	0.010	0.880	0.018	67.012	TRUE	5.08E-16
Overall asthma	NOD2	cg01068906	rs74502244	T	C	-0.821	0.141	0.015	6.48E-09	-0.006	0.041	0.890	0.009	33.668	TRUE	8.79E-09
Overall asthma	NOD2	cg01068906	rs78299226	T	C	-0.445	0.055	0.048	3.82E-16	0.022	0.021	0.280	0.018	66.293	TRUE	1.47E-15
Overall asthma	NOD2	cg01068906	rs9673419	C	A	-0.197	0.028	0.223	1.58E-12	0.010	0.011	0.370	0.013	49.924	TRUE	4.21E-12
Overall asthma	NOD2	cg01243823	rs11642482	G	C	0.205	0.024	0.392	2.85E-17	0.000	0.010	0.970	0.019	71.406	TRUE	5.28E-17
Overall asthma	NOD2	cg04172533	rs11642482	G	C	0.357	0.024	0.392	2.93E-50	0.000	0.010	0.970	0.057	222.122	TRUE	7.94E-49
Overall asthma	NOD2	cg05261686	rs11647841	A	G	0.451	0.024	0.388	1.36E-80	-0.001	0.010	0.910	0.089	361.257	TRUE	2.59E-77
Overall asthma	NOD2	cg08195491	rs2066844	T	C	-1.262	0.079	0.046	1.10E-57	0.066	0.022	0.003	0.065	256.157	TRUE	6.00E-54
Overall asthma	NOD2	cg08195491	rs62028332	A	G	-0.247	0.035	0.135	1.42E-12	0.014	0.014	0.300	0.013	50.128	TRUE	4.05E-12
Overall asthma	NOD2	cg08195491	rs6500328	G	A	0.160	0.024	0.397	2.74E-11	0.001	0.010	0.880	0.012	44.329	TRUE	4.11E-11
Overall asthma	NOD2	cg08195491	rs7192726	T	C	-0.177	0.032	0.156	2.74E-08	-0.010	0.013	0.440	0.008	30.865	TRUE	5.08E-08
Overall asthma	NOD2	cg08195491	rs78299226	T	C	-0.427	0.054	0.048	3.99E-15	0.022	0.021	0.280	0.016	61.671	TRUE	1.42E-14
Overall asthma	NOD2	cg08195491	rs9673419	C	A	-0.209	0.028	0.223	6.04E-14	0.010	0.011	0.370	0.015	56.329	TRUE	1.78E-13
Overall asthma	NOD2	cg08554257	rs12925755	A	C	-0.135	0.025	0.369	3.97E-08	-0.008	0.010	0.420	0.008	30.148	TRUE	7.48E-08
Overall asthma	NOD2	cg08554257	rs2270368	G	A	0.235	0.025	0.287	2.55E-20	-0.011	0.011	0.310	0.023	85.267	TRUE	1.30E-19
Overall asthma	NOD2	cg16771652	rs2066850	A	G	-0.307	0.026	0.282	4.94E-33	0.012	0.011	0.270	0.037	143.266	TRUE	8.60E-32
Overall asthma	NOD2	cg16771652	rs8056611	A	G	-0.172	0.024	0.494	4.06E-13	0.008	0.010	0.410	0.014	52.585	TRUE	1.07E-12
Overall asthma	NOD2	cg18177814	rs11649521	A	G	-0.272	0.026	0.282	4.62E-26	0.012	0.011	0.270	0.029	111.430	TRUE	4.18E-25
Overall asthma	NOD2	cg18177814	rs12445012	G	C	0.289	0.032	0.159	1.88E-19	0.020	0.013	0.130	0.022	81.320	TRUE	1.42E-18
Overall asthma	NOD2	cg18177814	rs5743263	C	T	1.586	0.093	0.033	1.40E-64	-0.007	0.025	0.790	0.072	287.785	TRUE	3.13E-62
Overall asthma	NOD2	cg18177814	rs7186262	C	T	0.213	0.026	0.306	1.06E-16	0.015	0.010	0.140	0.018	68.813	TRUE	6.08E-16
Overall asthma	NOD2	cg18177814	rs7206894	A	G	0.263	0.033	0.155	1.93E-15	-0.020	0.013	0.140	0.017	63.104	TRUE	1.02E-14
Overall asthma	NOD2	cg18177814	rs72788289	C	T	0.221	0.037	0.108	3.42E-09	0.018	0.015	0.230	0.009	34.907	TRUE	8.58E-09
Overall asthma	NOD2	cg18177814	rs79874988	T	A	0.453	0.042	0.086	2.67E-27	0.005	0.017	0.760	0.031	117.084	TRUE	1.19E-26
Overall asthma	NOD2	cg18177814	rs9921146	A	C	0.231	0.024	0.349	1.89E-21	-0.008	0.010	0.400	0.024	90.404	TRUE	9.19E-21
Overall asthma	NOD2	cg18177814	rs9935378	T	C	0.183	0.027	0.249	9.37E-12	-0.014	0.011	0.200	0.012	46.430	TRUE	3.01E-11
Overall asthma	NOD2	cg26954174	rs2270368	G	A	0.229	0.026	0.287	3.11E-19	-0.011	0.011	0.310	0.021	80.323	TRUE	1.46E-18
Overall asthma	OPA1	cg05652783	rs113848294	G	A	-0.857	0.070	0.032	8.46E-35	-0.026	0.028	0.360	0.039	151.345	TRUE	1.45E-33
Overall asthma	OPA1	cg05652783	rs4687448	T	C	-0.175	0.029	0.195	1.35E-09	-0.034	0.012	0.005	0.010	36.717	TRUE	8.90E-09
Overall asthma	OPA1	cg14651650	rs4597663	T	C	0.189	0.024	0.471	8.40E-16	0.016	0.010	0.088	0.017	64.738	TRUE	5.04E-15
Overall asthma	OPA1	cg16241473	rs181232145	A	T	-0.233	0.043	0.075	4.40E-08	0.017	0.017	0.320	0.008	29.950	TRUE	9.09E-08
Overall asthma	OPA1	cg23144852	rs113025828	A	T	-0.496	0.071	0.032	2.16E-12	-0.023	0.028	0.420	0.013	49.306	TRUE	5.39E-12
Overall asthma	OPA1	cg23144852	rs13074400	A	T	0.158	0.026	0.299	1.40E-09	0.016	0.011	0.130	0.010	36.652	TRUE	4.18E-09
Overall asthma	OPA1	cg23144852	rs57302574	T	A	-0.234	0.036	0.126	1.16E-10	0.020	0.015	0.180	0.011	41.507	TRUE	3.54E-10
Overall asthma	OPA1	cg23144852	rs6793945	G	A	0.365	0.024	0.436	2.63E-54	0.021	0.010	0.030	0.061	240.669	TRUE	2.59E-51
Overall asthma	OPA1	cg23144852	rs9832931	A	G	-0.207	0.027	0.250	1.50E-14	-0.021	0.011	0.058	0.016	59.067	TRUE	9.56E-14

Overall asthma	ORMDL3	cg04308185	rs1467258	G	A	0.220	0.034	0.141	7.97E-11	-0.001	0.013	0.960	0.011	42.242	TRUE	1.11E-10
Overall asthma	ORMDL3	cg04308185	rs35557848	T	C	-0.426	0.027	0.235	1.74E-54	-0.060	0.011	1.00E-07	0.061	241.491	TRUE	1.90E-49
Overall asthma	ORMDL3	cg04308185	rs3744246	T	C	0.446	0.029	0.216	4.48E-55	-0.052	0.011	5.90E-06	0.062	244.194	TRUE	1.93E-50
Overall asthma	ORMDL3	cg04308185	rs4795396	T	C	0.708	0.114	0.013	5.78E-10	0.068	0.041	0.099	0.010	38.372	TRUE	2.02E-09
Overall asthma	ORMDL3	cg08932654	rs35557848	T	C	-0.432	0.027	0.235	4.99E-56	-0.060	0.011	1.00E-07	0.063	248.563	TRUE	7.32E-51
Overall asthma	ORMDL3	cg08932654	rs3744246	T	C	0.255	0.029	0.216	1.08E-18	-0.052	0.011	5.90E-06	0.021	77.865	TRUE	1.04E-16
Overall asthma	ORMDL3	cg08932654	rs407307	A	G	0.218	0.025	0.324	5.19E-18	0.061	0.010	1.90E-09	0.020	74.766	TRUE	1.30E-15
Overall asthma	ORMDL3	cg08932654	rs4795396	T	C	0.670	0.114	0.013	4.49E-09	0.068	0.041	0.099	0.009	34.380	TRUE	1.44E-08
Overall asthma	ORMDL3	cg08932654	rs7502966	C	T	-0.144	0.024	0.427	1.31E-09	-0.031	0.010	0.002	0.010	36.786	TRUE	1.04E-08
Overall asthma	ORMDL3	cg10444806	rs35557848	T	C	-0.350	0.028	0.235	4.15E-37	-0.060	0.011	1.00E-07	0.042	161.907	TRUE	1.87E-33
Overall asthma	ORMDL3	cg10444806	rs3744246	T	C	0.340	0.029	0.216	2.11E-32	-0.052	0.011	5.90E-06	0.037	140.381	TRUE	1.89E-29
Overall asthma	ORMDL3	cg10909506	rs11078916	T	C	-0.302	0.026	0.284	7.40E-31	0.053	0.011	7.50E-07	0.035	133.325	TRUE	5.68E-28
Overall asthma	ORMDL3	cg10909506	rs114211283	A	T	-0.368	0.050	0.065	1.89E-13	0.048	0.018	0.009	0.014	54.092	TRUE	1.82E-12
Overall asthma	ORMDL3	cg10909506	rs12946335	T	C	0.646	0.116	0.019	2.25E-08	-0.036	0.035	0.300	0.008	31.249	TRUE	4.82E-08
Overall asthma	ORMDL3	cg10909506	rs192665233	A	C	-0.475	0.078	0.039	1.16E-09	0.035	0.024	0.150	0.010	37.018	TRUE	3.50E-09
Overall asthma	ORMDL3	cg10909506	rs2060941	T	G	0.560	0.033	0.148	1.72E-66	-0.025	0.014	0.062	0.074	296.541	TRUE	5.88E-63
Overall asthma	ORMDL3	cg10909506	rs35797841	T	C	-0.331	0.058	0.035	1.32E-08	0.046	0.024	0.057	0.009	32.284	TRUE	4.66E-08
Overall asthma	ORMDL3	cg10909506	rs3889369	T	A	-0.302	0.034	0.136	1.84E-18	0.019	0.014	0.190	0.020	76.808	TRUE	1.10E-17
Overall asthma	ORMDL3	cg10909506	rs4065275	A	G	0.740	0.021	0.497	5.62E-282	-0.079	0.010	6.70E-17	0.258	1286.897	TRUE	2.14E-240
Overall asthma	ORMDL3	cg10909506	rs471692	T	C	0.191	0.030	0.197	2.86E-10	-0.018	0.012	0.140	0.011	39.744	TRUE	9.34E-10
Overall asthma	ORMDL3	cg10909506	rs534012	C	T	0.188	0.032	0.162	6.35E-09	0.011	0.013	0.370	0.009	33.705	TRUE	1.28E-08
Overall asthma	ORMDL3	cg10909506	rs55913526	T	C	-0.508	0.043	0.077	7.28E-33	0.060	0.018	7.00E-04	0.037	142.498	TRUE	1.52E-30
Overall asthma	ORMDL3	cg10909506	rs62065216	A	G	-0.263	0.024	0.417	8.33E-29	0.042	0.010	1.40E-05	0.032	123.955	TRUE	2.77E-26
Overall asthma	ORMDL3	cg10909506	rs62065258	A	G	-0.265	0.028	0.248	5.77E-22	0.028	0.011	0.010	0.024	92.755	TRUE	1.37E-20
Overall asthma	ORMDL3	cg10909506	rs72825201	C	A	0.370	0.050	0.061	1.88E-13	-0.024	0.019	0.200	0.014	54.094	TRUE	6.87E-13
Overall asthma	ORMDL3	cg10909506	rs72827105	G	C	0.333	0.048	0.160	4.59E-12	-0.060	0.013	1.50E-06	0.013	47.830	TRUE	1.29E-10
Overall asthma	ORMDL3	cg10909506	rs72832972	T	C	-0.380	0.046	0.072	1.44E-16	0.018	0.017	0.300	0.018	68.213	TRUE	5.77E-16
Overall asthma	ORMDL3	cg10909506	rs73985231	C	T	0.612	0.046	0.065	1.13E-39	-0.030	0.020	0.140	0.045	173.643	TRUE	6.50E-38
Overall asthma	ORMDL3	cg12655416	rs11078892	T	C	-0.191	0.035	0.472	3.18E-08	0.009	0.010	0.370	0.008	30.578	TRUE	6.29E-08
Overall asthma	ORMDL3	cg12655416	rs113657930	G	C	-0.490	0.059	0.042	1.27E-16	-0.021	0.024	0.390	0.018	68.467	TRUE	4.41E-16
Overall asthma	ORMDL3	cg12655416	rs117381273	A	G	0.573	0.049	0.058	9.63E-32	-0.032	0.020	0.110	0.036	137.372	TRUE	2.59E-30
Overall asthma	ORMDL3	cg12655416	rs12941811	T	C	-0.246	0.024	0.419	1.95E-25	0.053	0.010	2.80E-08	0.029	108.577	TRUE	1.20E-22
Overall asthma	ORMDL3	cg12655416	rs12946335	T	C	0.660	0.116	0.019	1.13E-08	-0.036	0.035	0.300	0.009	32.593	TRUE	2.47E-08
Overall asthma	ORMDL3	cg12655416	rs16522	C	T	0.238	0.033	0.153	7.86E-13	-0.017	0.013	0.200	0.014	51.290	TRUE	2.81E-12
Overall asthma	ORMDL3	cg12655416	rs2715555	A	G	-0.301	0.033	0.148	2.62E-20	0.043	0.014	0.002	0.023	85.210	TRUE	8.05E-19
Overall asthma	ORMDL3	cg12655416	rs4795388	A	G	-0.146	0.027	0.276	3.94E-08	0.059	0.011	6.90E-08	0.008	30.161	TRUE	7.55E-07
Overall asthma	ORMDL3	cg12655416	rs62066986	T	C	0.363	0.051	0.045	1.12E-12	-0.038	0.019	0.044	0.013	50.593	TRUE	6.31E-12
Overall asthma	ORMDL3	cg12655416	rs72832924	T	C	-0.366	0.030	0.184	1.97E-34	0.030	0.012	0.016	0.039	149.661	TRUE	1.99E-32
Overall asthma	ORMDL3	cg12655416	rs8076131	G	A	0.562	0.023	0.468	2.80E-135	-0.080	0.010	5.20E-17	0.142	612.436	TRUE	5.31E-119
Overall asthma	ORMDL3	cg18711369	rs11078916	T	C	-0.297	0.026	0.284	5.34E-30	0.053	0.011	7.50E-07	0.034	129.405	TRUE	3.56E-27
Overall asthma	ORMDL3	cg18711369	rs114211283	A	T	-0.434	0.050	0.065	3.18E-18	0.048	0.018	0.009	0.020	75.734	TRUE	5.40E-17
Overall asthma	ORMDL3	cg18711369	rs12946335	T	C	0.699	0.115	0.019	1.36E-09	-0.036	0.035	0.300	0.010	36.705	TRUE	3.18E-09

Overall asthma	ORMDL3	cg18711369	rs2060941	T	G	0.512	0.033	0.148	1.01E-55	-0.025	0.014	0.062	0.063	247.160	TRUE	6.80E-53
Overall asthma	ORMDL3	cg18711369	rs3826331	T	C	-0.292	0.024	0.395	5.46E-35	0.055	0.010	2.00E-08	0.040	152.214	TRUE	2.16E-31
Overall asthma	ORMDL3	cg18711369	rs4065275	A	G	0.762	0.020	0.497	1.56E-302	-0.079	0.010	6.70E-17	0.275	1399.833	TRUE	1.12E-259
Overall asthma	ORMDL3	cg18711369	rs502041	C	G	0.165	0.028	0.225	5.78E-09	-0.021	0.012	0.065	0.009	33.890	TRUE	1.93E-08
Overall asthma	ORMDL3	cg18711369	rs534012	C	T	0.194	0.032	0.162	1.93E-09	0.011	0.013	0.370	0.010	36.023	TRUE	4.02E-09
Overall asthma	ORMDL3	cg18711369	rs62065258	A	G	-0.305	0.027	0.248	9.94E-29	0.028	0.011	0.010	0.032	123.605	TRUE	5.22E-27
Overall asthma	ORMDL3	cg18711369	rs72825201	C	A	0.346	0.050	0.061	6.05E-12	-0.024	0.019	0.200	0.013	47.287	TRUE	1.96E-11
Overall asthma	ORMDL3	cg18711369	rs72827105	G	C	0.341	0.048	0.160	1.34E-12	-0.060	0.013	1.50E-06	0.013	50.236	TRUE	4.17E-11
Overall asthma	ORMDL3	cg18711369	rs72832972	T	C	-0.414	0.046	0.072	1.66E-19	0.018	0.017	0.300	0.022	81.558	TRUE	8.40E-19
Overall asthma	ORMDL3	cg18711369	rs79057213	G	C	0.564	0.048	0.061	6.53E-32	-0.031	0.020	0.130	0.036	138.143	TRUE	1.69E-30
Overall asthma	ORMDL3	cg18711369	rs79641947	T	C	-0.363	0.037	0.115	7.65E-23	0.013	0.015	0.370	0.025	96.754	TRUE	4.24E-22
Overall asthma	ORMDL3	cg19511844	rs7502539	A	G	-0.164	0.025	0.336	7.65E-11	-0.042	0.010	3.30E-05	0.011	42.323	TRUE	1.35E-09
Overall asthma	ORMDL3	cg22144450	rs114211283	A	T	-0.289	0.050	0.065	7.46E-09	0.048	0.018	0.009	0.009	33.392	TRUE	4.06E-08
Overall asthma	ORMDL3	cg22144450	rs2060941	T	G	0.389	0.033	0.148	1.26E-32	-0.025	0.014	0.062	0.037	141.411	TRUE	4.58E-31
Overall asthma	ORMDL3	cg22144450	rs2269457	C	T	-0.207	0.037	0.250	1.63E-08	0.042	0.011	2.40E-04	0.009	31.870	TRUE	1.55E-07
Overall asthma	ORMDL3	cg22144450	rs4252596	A	C	-0.235	0.035	0.126	2.65E-11	0.019	0.014	0.190	0.012	44.396	TRUE	8.65E-11
Overall asthma	ORMDL3	cg22144450	rs4795401	A	G	-0.468	0.023	0.495	1.31E-92	0.083	0.010	2.20E-18	0.101	416.416	TRUE	1.97E-81
Overall asthma	ORMDL3	cg22144450	rs60082402	G	A	-0.195	0.024	0.381	3.91E-16	0.055	0.010	1.80E-08	0.018	66.248	TRUE	4.86E-14
Overall asthma	ORMDL3	cg22144450	rs62065255	C	T	-0.208	0.027	0.253	2.50E-14	0.029	0.011	0.009	0.015	58.061	TRUE	2.62E-13
Overall asthma	ORMDL3	cg22144450	rs73985231	C	T	0.411	0.047	0.065	1.11E-18	-0.030	0.020	0.140	0.021	77.815	TRUE	7.56E-18
Overall asthma	ORMDL3	cg22144450	rs9897185	A	G	-0.168	0.027	0.251	8.00E-10	0.029	0.011	0.010	0.010	37.739	TRUE	4.85E-09
Overall asthma	OSBPL7	cg02206375	rs17774171	G	A	0.137	0.024	0.430	6.75E-09	-0.022	0.010	0.024	0.009	33.588	TRUE	2.97E-08
Overall asthma	OSBPL7	cg09911755	rs10775406	A	G	0.213	0.027	0.243	6.49E-15	0.004	0.011	0.750	0.016	60.716	TRUE	1.32E-14
Overall asthma	OSBPL7	cg09911755	rs11652952	T	C	0.931	0.060	0.033	3.89E-55	0.003	0.028	0.920	0.062	244.476	TRUE	2.04E-53
Overall asthma	OSBPL7	cg09911755	rs2597177	A	G	0.138	0.025	0.335	3.02E-08	0.015	0.010	0.130	0.008	30.676	TRUE	8.24E-08
Overall asthma	P2RX4	cg16460342	rs25643	C	T	0.129	0.023	0.448	4.19E-08	-0.013	0.010	0.180	0.008	30.045	TRUE	1.04E-07
Overall asthma	P2RX4	cg16599007	rs2567993	C	A	0.220	0.025	0.316	6.15E-19	-0.013	0.010	0.210	0.021	78.976	TRUE	3.63E-18
Overall asthma	P2RX4	cg19357999	rs11612328	A	G	-0.329	0.057	0.122	9.00E-09	0.003	0.014	0.850	0.009	33.028	TRUE	1.25E-08
Overall asthma	P2RX4	cg19357999	rs117211511	A	G	0.467	0.069	0.027	1.20E-11	-0.050	0.024	0.034	0.012	45.939	TRUE	6.44E-11
Overall asthma	P2RX4	cg19357999	rs1179460	A	G	-0.146	0.025	0.337	4.76E-09	0.012	0.010	0.250	0.009	34.267	TRUE	1.18E-08
Overall asthma	P2RX4	cg19357999	rs1180008	T	C	0.583	0.041	0.089	5.20E-46	0.021	0.017	0.200	0.052	202.657	TRUE	4.49E-44
Overall asthma	P2RX4	cg19357999	rs12300459	G	A	0.235	0.039	0.094	2.32E-09	-0.012	0.016	0.440	0.010	35.664	TRUE	4.55E-09
Overall asthma	P2RX4	cg19357999	rs149059228	C	T	0.365	0.066	0.033	3.35E-08	-0.024	0.026	0.360	0.008	30.479	TRUE	6.69E-08
Overall asthma	P2RX4	cg19357999	rs182194565	T	C	0.811	0.123	0.013	4.18E-11	-0.028	0.036	0.440	0.012	43.505	TRUE	9.31E-11
Overall asthma	P2RX4	cg19357999	rs192495477	T	C	0.739	0.065	0.026	5.91E-30	-0.062	0.027	0.023	0.034	129.202	TRUE	2.77E-28
Overall asthma	P2RX4	cg19357999	rs2230776	A	G	-0.249	0.044	0.079	1.79E-08	-0.018	0.017	0.300	0.008	31.698	TRUE	3.92E-08
Overall asthma	P2RX4	cg19357999	rs2252298	A	G	0.602	0.050	0.053	7.05E-33	-0.075	0.021	4.20E-04	0.037	142.563	TRUE	1.92E-30
Overall asthma	P2RX4	cg19357999	rs2303998	A	G	0.842	0.091	0.017	1.39E-20	-0.011	0.035	0.760	0.023	86.457	TRUE	3.97E-20
Overall asthma	P2RX4	cg19357999	rs2567984	G	A	-0.183	0.024	0.365	4.19E-14	0.031	0.010	0.002	0.015	57.048	TRUE	5.92E-13
Overall asthma	P2RX4	cg19357999	rs2567994	G	A	0.824	0.022	0.320	<1E-200	-0.017	0.010	0.100	0.278	1423.806	TRUE	2.39E-273
Overall asthma	P2RX4	cg19357999	rs2668249	T	C	0.500	0.025	0.269	1.74E-86	-0.010	0.011	0.360	0.095	388.304	TRUE	3.66E-82
Overall asthma	P2RX4	cg19357999	rs2686386	C	T	-0.267	0.029	0.197	5.03E-20	-0.013	0.012	0.300	0.022	83.923	TRUE	2.70E-19

Overall asthma	P2RX4	cg19357999	rs56050444	G	A	-0.365	0.026	0.283	4.12E-45	0.012	0.011	0.260	0.051	198.538	TRUE	2.64E-43
Overall asthma	P2RX4	cg19357999	rs56361557	A	G	0.933	0.140	0.016	2.56E-11	0.095	0.038	0.013	0.012	44.461	TRUE	1.72E-10
Overall asthma	P2RX4	cg19357999	rs615434	G	A	0.209	0.038	0.111	4.79E-08	-0.005	0.015	0.740	0.008	29.785	TRUE	6.96E-08
Overall asthma	P2RX4	cg19357999	rs61953351	T	G	-0.196	0.027	0.243	5.31E-13	-0.004	0.011	0.710	0.014	52.058	TRUE	1.01E-12
Overall asthma	P2RX4	cg19357999	rs686638	T	C	0.149	0.025	0.325	3.51E-09	-0.022	0.010	0.029	0.009	34.858	TRUE	1.54E-08
Overall asthma	P2RX4	cg19357999	rs73214164	C	T	0.250	0.030	0.191	9.92E-17	0.004	0.012	0.720	0.018	68.947	TRUE	2.31E-16
Overall asthma	P2RX4	cg20966272	rs3815990	T	G	0.614	0.050	0.052	9.79E-35	-0.074	0.021	5.80E-04	0.039	151.055	TRUE	3.29E-32
Overall asthma	P2RX7	cg00364287	rs10849846	C	T	0.990	0.053	0.049	6.47E-77	-0.001	0.023	0.980	0.085	344.377	TRUE	5.92E-74
Overall asthma	P2RX7	cg00364287	rs185803657	A	G	0.642	0.074	0.021	2.56E-18	0.000	0.029	0.990	0.020	76.159	TRUE	4.92E-18
Overall asthma	P2RX7	cg00364287	rs2567979	T	G	0.254	0.031	0.174	2.29E-16	-0.009	0.013	0.490	0.018	67.299	TRUE	6.66E-16
Overall asthma	P2RX7	cg00364287	rs2668254	T	C	0.139	0.024	0.487	4.79E-09	0.027	0.010	0.006	0.009	34.255	TRUE	2.89E-08
Overall asthma	P2RX7	cg00364287	rs73214168	C	T	0.155	0.028	0.235	1.89E-08	0.022	0.011	0.044	0.008	31.588	TRUE	6.85E-08
Overall asthma	P2RX7	cg05835635	rs11065420	C	T	-0.246	0.033	0.142	1.13E-13	-0.017	0.014	0.220	0.015	55.100	TRUE	4.05E-13
Overall asthma	P2RX7	cg05835635	rs1180009	G	C	-0.632	0.033	0.131	2.37E-80	0.001	0.014	0.960	0.089	360.147	TRUE	3.86E-77
Overall asthma	P2RX7	cg05835635	rs146718874	A	G	-0.416	0.075	0.023	2.99E-08	-0.006	0.029	0.840	0.008	30.695	TRUE	4.08E-08
Overall asthma	P2RX7	cg05835635	rs1718125	T	C	-0.869	0.034	0.123	4.32E-143	-0.010	0.015	0.500	0.149	648.334	TRUE	1.53E-133
Overall asthma	P2RX7	cg05835635	rs208296	A	G	0.275	0.025	0.324	5.09E-28	-0.004	0.010	0.730	0.032	120.368	TRUE	2.54E-27
Overall asthma	P2RX7	cg05835635	rs2303998	A	G	-0.653	0.090	0.017	4.67E-13	-0.011	0.035	0.760	0.014	52.311	TRUE	8.57E-13
Overall asthma	P2RX7	cg05835635	rs2393844	A	G	-0.514	0.040	0.101	3.22E-38	0.027	0.015	0.079	0.043	166.986	TRUE	2.26E-36
Overall asthma	P2RX7	cg05835635	rs2567990	A	G	-0.508	0.055	0.056	1.54E-20	0.015	0.021	0.470	0.023	86.257	TRUE	6.24E-20
Overall asthma	P2RX7	cg05835635	rs28360463	A	C	-0.333	0.034	0.135	3.86E-22	0.018	0.014	0.190	0.025	93.550	TRUE	2.97E-21
Overall asthma	P2RX7	cg05835635	rs3751143	C	A	0.181	0.031	0.177	3.53E-09	-0.012	0.013	0.340	0.009	34.850	TRUE	7.55E-09
Overall asthma	P2RX7	cg05835635	rs3850518	A	G	0.235	0.028	0.234	2.34E-17	0.028	0.011	0.013	0.019	71.797	TRUE	3.26E-16
Overall asthma	P2RX7	cg05835635	rs4403877	A	G	0.224	0.041	0.094	4.01E-08	-0.016	0.017	0.320	0.008	30.129	TRUE	8.05E-08
Overall asthma	P2RX7	cg05835635	rs4980988	C	T	-0.327	0.055	0.047	2.88E-09	0.039	0.021	0.070	0.009	35.243	TRUE	1.05E-08
Overall asthma	P2RX7	cg05835635	rs514108	C	T	-0.367	0.032	0.159	2.52E-31	0.030	0.013	0.018	0.035	135.463	TRUE	1.40E-29
Overall asthma	P2RX7	cg05835635	rs6489787	G	A	0.148	0.025	0.328	2.25E-09	-0.009	0.010	0.400	0.010	35.724	TRUE	4.71E-09
Overall asthma	P2RX7	cg05835635	rs651606	A	G	-0.221	0.038	0.106	7.82E-09	-0.019	0.015	0.200	0.009	33.302	TRUE	1.98E-08
Overall asthma	P2RX7	cg05835635	rs77728240	T	G	-0.566	0.081	0.020	3.51E-12	-0.002	0.029	0.950	0.013	48.353	TRUE	5.20E-12
Overall asthma	P2RX7	cg07203561	rs10849846	C	T	0.979	0.053	0.049	1.31E-75	-0.001	0.023	0.980	0.084	338.376	TRUE	9.84E-73
Overall asthma	P2RX7	cg07203561	rs146718874	A	G	0.627	0.075	0.023	5.12E-17	-0.006	0.029	0.840	0.019	70.251	TRUE	1.07E-16
Overall asthma	P2RX7	cg07203561	rs1796404	A	C	-0.156	0.027	0.258	4.53E-09	0.006	0.011	0.580	0.009	34.364	TRUE	7.77E-09
Overall asthma	P2RX7	cg07203561	rs2567979	T	G	0.265	0.031	0.174	9.11E-18	-0.009	0.013	0.490	0.020	73.656	TRUE	2.91E-17
Overall asthma	P2RX7	cg07203561	rs2668254	T	C	0.131	0.024	0.487	3.43E-08	0.027	0.010	0.006	0.008	30.434	TRUE	1.84E-07
Overall asthma	P2RX7	cg07203561	rs28360475	G	A	0.165	0.027	0.234	1.89E-09	0.022	0.011	0.046	0.010	36.064	TRUE	7.63E-09
Overall asthma	P2RX7	cg07602200	rs10849846	C	T	0.640	0.054	0.049	1.09E-32	-0.001	0.023	0.980	0.037	141.698	TRUE	5.51E-32
Overall asthma	P2RX7	cg08688169	rs2393799	T	C	-0.356	0.027	0.247	2.17E-40	0.000	0.011	0.970	0.046	176.918	TRUE	2.17E-39
Overall asthma	P2RX7	cg08688169	rs73214164	C	T	-0.177	0.030	0.191	2.50E-09	0.004	0.012	0.720	0.010	35.521	TRUE	3.90E-09
Overall asthma	P2RX7	cg10852165	rs10849846	C	T	0.799	0.054	0.049	6.63E-50	-0.001	0.023	0.980	0.056	220.500	TRUE	1.71E-48
Overall asthma	P2RX7	cg10852165	rs146718874	A	G	0.419	0.075	0.023	2.34E-08	-0.006	0.029	0.840	0.008	31.171	TRUE	3.21E-08
Overall asthma	P2RX7	cg10852165	rs208278	G	A	-0.261	0.030	0.197	1.11E-18	0.000	0.012	0.970	0.021	77.811	TRUE	2.22E-18
Overall asthma	P2RX7	cg10852165	rs208298	A	G	-0.153	0.025	0.314	1.72E-09	-0.004	0.010	0.730	0.010	36.249	TRUE	2.69E-09

Overall asthma	P2RX7	cg10852165	rs2567979	T	G	0.187	0.031	0.174	1.68E-09	-0.009	0.013	0.490	0.010	36.291	TRUE	3.18E-09
Overall asthma	P2RX7	cg10901569	rs1169299	C	T	-0.129	0.023	0.467	2.91E-08	-0.004	0.010	0.690	0.008	30.747	TRUE	4.44E-08
Overall asthma	P2RX7	cg10901569	rs12301635	G	C	-0.263	0.042	0.085	4.35E-10	-0.008	0.017	0.630	0.010	38.929	TRUE	7.57E-10
Overall asthma	P2RX7	cg10901569	rs2686369	T	C	-0.644	0.044	0.078	1.48E-49	-0.014	0.018	0.440	0.056	218.898	TRUE	1.05E-47
Overall asthma	P2RX7	cg10901569	rs75326667	T	C	-0.476	0.071	0.026	2.26E-11	-0.044	0.029	0.130	0.012	44.708	TRUE	8.21E-11
Overall asthma	P2RX7	cg12121075	rs11065394	G	A	0.259	0.029	0.206	2.76E-19	0.006	0.012	0.640	0.021	80.559	TRUE	8.19E-19
Overall asthma	P2RX7	cg12121075	rs11065420	C	T	-0.264	0.033	0.142	2.00E-15	-0.017	0.014	0.220	0.017	63.030	TRUE	8.26E-15
Overall asthma	P2RX7	cg12121075	rs117281184	A	G	-0.898	0.161	0.011	2.46E-08	0.046	0.044	0.290	0.008	31.077	TRUE	5.30E-08
Overall asthma	P2RX7	cg12121075	rs142778000	A	G	-0.747	0.076	0.018	1.28E-22	-0.014	0.030	0.650	0.025	95.729	TRUE	4.82E-22
Overall asthma	P2RX7	cg12121075	rs148662934	C	T	-0.211	0.035	0.109	2.29E-09	0.004	0.014	0.770	0.010	35.693	TRUE	3.48E-09
Overall asthma	P2RX7	cg12121075	rs1653595	G	A	0.199	0.027	0.239	2.86E-13	0.006	0.011	0.610	0.014	53.271	TRUE	6.09E-13
Overall asthma	P2RX7	cg12121075	rs1653604	C	T	-0.578	0.022	0.473	3.65E-148	-0.014	0.010	0.140	0.154	671.648	TRUE	3.47E-137
Overall asthma	P2RX7	cg12121075	rs1718125	T	C	-0.477	0.035	0.123	1.55E-41	-0.010	0.015	0.500	0.047	182.167	TRUE	3.82E-40
Overall asthma	P2RX7	cg12121075	rs2673623	G	A	0.158	0.024	0.397	5.60E-11	0.000	0.010	0.990	0.011	42.932	TRUE	7.61E-11
Overall asthma	P2RX7	cg12121075	rs3751144	T	C	-0.983	0.042	0.081	2.88E-123	0.009	0.018	0.610	0.131	557.240	TRUE	5.53E-116
Overall asthma	P2RX7	cg12121075	rs3794205	A	G	0.301	0.025	0.307	2.34E-32	0.016	0.010	0.110	0.037	140.178	TRUE	6.72E-31
Overall asthma	P2RX7	cg12121075	rs55728984	T	C	-0.266	0.042	0.087	1.74E-10	0.023	0.017	0.170	0.011	40.722	TRUE	5.28E-10
Overall asthma	P2RX7	cg12121075	rs76003406	T	C	0.314	0.051	0.057	5.62E-10	-0.013	0.021	0.530	0.010	38.428	TRUE	1.06E-09
Overall asthma	P2RX7	cg22867729	rs11065472	A	G	0.163	0.026	0.293	2.23E-10	0.022	0.010	0.031	0.011	40.229	TRUE	1.12E-09
Overall asthma	P2RX7	cg26656658	rs11065394	G	A	0.270	0.029	0.206	5.87E-21	0.006	0.012	0.640	0.023	88.167	TRUE	1.95E-20
Overall asthma	P2RX7	cg26656658	rs11065420	C	T	-0.292	0.033	0.142	1.57E-18	-0.017	0.014	0.220	0.020	77.126	TRUE	8.34E-18
Overall asthma	P2RX7	cg26656658	rs1140886	C	T	0.160	0.026	0.263	1.16E-09	-0.024	0.011	0.027	0.010	37.014	TRUE	5.32E-09
Overall asthma	P2RX7	cg26656658	rs12301635	G	C	-0.234	0.042	0.085	3.40E-08	-0.008	0.017	0.630	0.008	30.449	TRUE	5.36E-08
Overall asthma	P2RX7	cg26656658	rs142778000	A	G	-0.759	0.076	0.018	3.06E-23	-0.014	0.030	0.650	0.026	98.566	TRUE	1.20E-22
Overall asthma	P2RX7	cg26656658	rs1653609	C	A	-0.620	0.022	0.474	5.16E-175	-0.015	0.010	0.110	0.177	795.061	TRUE	1.65E-160
Overall asthma	P2RX7	cg26656658	rs1718125	T	C	-0.546	0.035	0.123	2.81E-54	-0.010	0.015	0.500	0.061	240.539	TRUE	3.00E-52
Overall asthma	P2RX7	cg26656658	rs208302	A	G	-0.238	0.027	0.235	2.29E-18	-0.006	0.011	0.620	0.020	76.384	TRUE	6.67E-18
Overall asthma	P2RX7	cg26656658	rs2686346	T	C	0.274	0.032	0.455	4.96E-18	0.005	0.010	0.640	0.020	74.856	TRUE	1.37E-17
Overall asthma	P2RX7	cg26656658	rs28360453	T	C	0.306	0.050	0.060	1.33E-09	0.013	0.019	0.500	0.010	36.755	TRUE	2.54E-09
Overall asthma	P2RX7	cg26656658	rs3751144	T	C	-0.923	0.042	0.081	8.10E-108	0.009	0.018	0.610	0.116	486.267	TRUE	5.20E-102
Overall asthma	P2RX7	cg26656658	rs3794205	A	G	0.346	0.025	0.307	1.07E-42	0.016	0.010	0.110	0.048	187.490	TRUE	9.96E-41
Overall asthma	P2RX7	cg26656658	rs55728984	T	C	-0.240	0.042	0.087	7.76E-09	0.023	0.017	0.170	0.009	33.317	TRUE	2.06E-08
Overall asthma	P2RX7	cg26656658	rs76003406	T	C	0.407	0.050	0.057	7.42E-16	-0.013	0.021	0.530	0.017	64.984	TRUE	2.01E-15
Overall asthma	P2RX7	cg26656658	rs7957752	G	A	-0.151	0.025	0.338	1.48E-09	-0.003	0.010	0.780	0.010	36.538	TRUE	2.25E-09
Overall asthma	PAK2	cg01040960	rs141016849	T	C	-0.659	0.089	0.019	1.77E-13	-0.004	0.031	0.900	0.014	54.216	TRUE	2.92E-13
Overall asthma	PAK2	cg12930392	rs1906044	T	C	0.148	0.024	0.360	1.26E-09	0.003	0.010	0.770	0.010	36.860	TRUE	1.92E-09
Overall asthma	PAK2	cg12930392	rs2686598	C	T	-0.441	0.023	0.464	3.75E-80	0.020	0.010	0.039	0.089	359.233	TRUE	2.18E-75
Overall asthma	PAK2	cg12930392	rs559969885	C	A	-0.271	0.048	0.071	1.73E-08	0.011	0.018	0.540	0.009	31.760	TRUE	2.98E-08
Overall asthma	PAK2	cg12930392	rs7629566	G	A	-0.271	0.044	0.080	7.19E-10	-0.017	0.017	0.310	0.010	37.947	TRUE	1.69E-09
Overall asthma	PAK2	cg12930392	rs9858813	A	G	-0.342	0.058	0.100	5.04E-09	-0.008	0.017	0.610	0.009	34.156	TRUE	8.38E-09
Overall asthma	PAK2	cg21030598	rs6583171	A	G	0.166	0.024	0.362	7.83E-12	0.003	0.010	0.780	0.012	46.784	TRUE	1.31E-11
Overall asthma	PAK2	cg21104449	rs1619646	G	C	-0.322	0.039	0.110	8.33E-17	0.003	0.015	0.840	0.018	69.293	TRUE	1.73E-16

Overall asthma	PAK2	cg21104449	rs335824	T	C	-0.154	0.027	0.239	1.28E-08	0.004	0.011	0.730	0.009	32.340	TRUE	1.91E-08
Overall asthma	PAK2	cg21104449	rs34783962	C	T	0.259	0.034	0.132	4.44E-14	0.006	0.014	0.670	0.015	56.932	TRUE	9.35E-14
Overall asthma	PAK2	cg21104449	rs521146	G	T	0.173	0.024	0.478	2.81E-13	0.002	0.010	0.820	0.014	53.308	TRUE	4.91E-13
Overall asthma	PAK2	cg21104449	rs62410761	T	A	0.317	0.030	0.187	4.72E-26	-0.018	0.012	0.120	0.029	111.386	TRUE	6.41E-25
Overall asthma	PAK2	cg21104449	rs6802758	A	T	0.415	0.058	0.043	7.68E-13	0.013	0.023	0.560	0.014	51.334	TRUE	1.66E-12
Overall asthma	PAK2	cg21104449	rs73074701	A	G	-0.420	0.074	0.059	1.29E-08	0.013	0.020	0.510	0.009	32.330	TRUE	2.28E-08
Overall asthma	PAK2	cg21104449	rs75391517	C	G	-0.250	0.032	0.208	3.63E-15	0.006	0.011	0.620	0.016	61.857	TRUE	8.59E-15
Overall asthma	PAK2	cg21104449	rs7612937	G	C	-0.613	0.023	0.420	6.99E-155	0.019	0.010	0.057	0.160	702.524	TRUE	1.42E-142
Overall asthma	PAK2	cg21104449	rs7622327	G	A	-0.590	0.088	0.039	2.48E-11	0.059	0.027	0.029	0.012	44.527	TRUE	1.37E-10
Overall asthma	PARP1	cg02088626	rs10916003	T	C	0.158	0.027	0.254	4.42E-09	0.004	0.011	0.700	0.009	34.412	TRUE	6.94E-09
Overall asthma	PARP1	cg02088626	rs114745683	A	G	-0.388	0.062	0.037	3.03E-10	0.044	0.024	0.067	0.011	39.633	TRUE	1.20E-09
Overall asthma	PARP1	cg02088626	rs1299858	T	C	-0.189	0.027	0.229	6.70E-12	0.031	0.011	0.006	0.013	47.088	TRUE	5.90E-11
Overall asthma	PARP1	cg02088626	rs2048426	T	C	-0.449	0.024	0.325	2.99E-76	0.021	0.010	0.044	0.084	341.327	TRUE	8.86E-72
Overall asthma	PARP1	cg02088626	rs7550742	C	T	-0.138	0.024	0.360	1.05E-08	-0.003	0.010	0.740	0.009	32.726	TRUE	1.57E-08
Overall asthma	PARP1	cg17127702	rs1017767	A	G	-0.287	0.044	0.070	4.06E-11	-0.012	0.018	0.520	0.012	43.561	TRUE	8.44E-11
Overall asthma	PARP1	cg17127702	rs10915983	C	T	0.208	0.024	0.425	1.20E-18	-0.002	0.010	0.840	0.021	77.650	TRUE	2.77E-18
Overall asthma	PARP1	cg17127702	rs10915988	G	A	-0.267	0.028	0.246	3.24E-22	0.005	0.011	0.640	0.025	93.894	TRUE	1.19E-21
Overall asthma	PARP1	cg17127702	rs114745683	A	G	0.809	0.062	0.037	1.18E-38	0.044	0.024	0.067	0.044	168.975	TRUE	9.09E-37
Overall asthma	PARP1	cg17127702	rs11583820	A	G	0.800	0.077	0.022	2.62E-25	0.043	0.027	0.110	0.028	107.995	TRUE	3.62E-24
Overall asthma	PARP1	cg17127702	rs116200806	A	G	-0.376	0.058	0.045	9.05E-11	0.010	0.023	0.670	0.011	41.993	TRUE	1.59E-10
Overall asthma	PARP1	cg17127702	rs12035052	A	G	-0.159	0.029	0.215	4.10E-08	-0.014	0.012	0.230	0.008	30.087	TRUE	9.27E-08
Overall asthma	PARP1	cg17127702	rs12067270	T	C	-0.187	0.027	0.237	9.89E-12	0.009	0.011	0.450	0.012	46.325	TRUE	2.30E-11
Overall asthma	PARP1	cg17127702	rs12122761	T	C	-0.181	0.030	0.179	1.16E-09	0.001	0.012	0.920	0.010	37.015	TRUE	1.59E-09
Overall asthma	PARP1	cg17127702	rs12134025	A	C	-0.158	0.028	0.209	1.93E-08	-0.024	0.011	0.036	0.008	31.550	TRUE	7.69E-08
Overall asthma	PARP1	cg17127702	rs12751898	T	C	0.230	0.024	0.410	6.97E-22	0.021	0.010	0.035	0.024	92.380	TRUE	1.16E-20
Overall asthma	PARP1	cg17127702	rs1288460	T	C	0.183	0.029	0.224	1.55E-10	-0.001	0.011	0.940	0.011	40.943	TRUE	2.17E-10
Overall asthma	PARP1	cg17127702	rs149905768	A	G	0.344	0.049	0.059	1.64E-12	0.010	0.019	0.610	0.013	49.843	TRUE	3.35E-12
Overall asthma	PARP1	cg17127702	rs16846167	T	C	0.196	0.032	0.153	1.29E-09	0.004	0.013	0.750	0.010	36.807	TRUE	1.99E-09
Overall asthma	PARP1	cg17127702	rs360069	A	T	-0.168	0.026	0.311	7.00E-11	-0.006	0.010	0.550	0.011	42.495	TRUE	1.39E-10
Overall asthma	PARP1	cg17127702	rs4653728	T	C	1.162	0.028	0.146	<1E-200	0.039	0.013	0.003	0.315	1700.122	TRUE	<1E-200
Overall asthma	PARP1	cg17127702	rs4653747	G	A	-0.262	0.025	0.312	8.23E-25	0.002	0.010	0.870	0.028	105.726	TRUE	2.71E-24
Overall asthma	PARP1	cg17127702	rs56113429	A	C	0.291	0.041	0.085	8.35E-13	0.015	0.016	0.350	0.014	51.170	TRUE	2.32E-12
Overall asthma	PARP1	cg17127702	rs6426092	G	C	0.182	0.024	0.408	3.32E-14	0.003	0.010	0.790	0.015	57.502	TRUE	6.27E-14
Overall asthma	PARP1	cg17127702	rs72757073	C	G	-0.276	0.037	0.116	1.11E-13	0.007	0.015	0.640	0.015	55.133	TRUE	2.37E-13
Overall asthma	PARP1	cg17127702	rs72762702	C	A	0.404	0.058	0.043	4.48E-12	0.018	0.022	0.400	0.013	47.875	TRUE	1.09E-11
Overall asthma	PARP1	cg17127702	rs747659	T	C	-0.519	0.031	0.170	3.59E-62	0.002	0.013	0.900	0.070	276.735	TRUE	4.74E-60
Overall asthma	PARP1	cg18022357	rs4653731	A	G	0.250	0.031	0.169	7.33E-16	0.001	0.013	0.920	0.017	65.008	TRUE	1.33E-15
Overall asthma	PARP1	cg18590995	rs114745683	A	G	0.400	0.062	0.037	8.66E-11	0.044	0.024	0.067	0.011	42.081	TRUE	3.63E-10
Overall asthma	PARP1	cg18590995	rs11583820	A	G	0.453	0.076	0.022	2.25E-09	0.043	0.027	0.110	0.010	35.727	TRUE	7.15E-09
Overall asthma	PARP1	cg18590995	rs3219104	A	C	0.396	0.032	0.151	1.12E-34	0.039	0.013	0.003	0.039	150.785	TRUE	2.06E-32
Overall asthma	PARP1	cg23712594	rs1017767	A	G	-0.286	0.043	0.070	4.65E-11	-0.012	0.018	0.520	0.012	43.296	TRUE	9.63E-11
Overall asthma	PARP1	cg23712594	rs10915988	G	A	-0.153	0.028	0.246	3.10E-08	0.005	0.011	0.640	0.008	30.626	TRUE	4.89E-08

Overall asthma	PARP1	cg23712594	rs114745683	A	G	0.457	0.063	0.037	3.13E-13	0.044	0.024	0.067	0.014	53.095	TRUE	1.66E-12
Overall asthma	PARP1	cg23712594	rs12751898	T	C	0.145	0.024	0.410	1.51E-09	0.021	0.010	0.035	0.010	36.501	TRUE	6.77E-09
Overall asthma	PARP1	cg23712594	rs1991865	A	G	-0.370	0.031	0.170	4.90E-32	0.000	0.013	0.970	0.036	138.713	TRUE	2.39E-31
Overall asthma	PARP1	cg23712594	rs3219104	A	C	0.604	0.032	0.151	1.38E-77	0.039	0.013	0.003	0.086	347.453	TRUE	2.46E-72
Overall asthma	PARP1	cg24937136	rs1017767	A	G	-0.572	0.043	0.070	3.61E-40	-0.012	0.018	0.520	0.045	175.909	TRUE	7.78E-39
Overall asthma	PARP1	cg24937136	rs10915983	C	T	0.213	0.024	0.425	1.38E-19	-0.002	0.010	0.840	0.022	81.928	TRUE	3.36E-19
Overall asthma	PARP1	cg24937136	rs114745683	A	G	0.885	0.062	0.037	3.83E-46	0.044	0.024	0.067	0.052	203.267	TRUE	7.47E-44
Overall asthma	PARP1	cg24937136	rs11577545	T	C	0.166	0.029	0.210	9.05E-09	0.015	0.012	0.180	0.009	33.018	TRUE	2.25E-08
Overall asthma	PARP1	cg24937136	rs11579988	C	T	0.190	0.028	0.227	1.95E-11	-0.004	0.011	0.710	0.012	44.994	TRUE	3.44E-11
Overall asthma	PARP1	cg24937136	rs11583426	G	C	0.143	0.024	0.404	2.45E-09	-0.007	0.010	0.480	0.010	35.560	TRUE	4.69E-09
Overall asthma	PARP1	cg24937136	rs11583820	A	G	0.784	0.077	0.022	1.83E-24	0.043	0.027	0.110	0.027	104.147	TRUE	2.32E-23
Overall asthma	PARP1	cg24937136	rs116200806	A	G	-0.667	0.058	0.045	3.99E-31	0.010	0.023	0.670	0.035	134.549	TRUE	2.80E-30
Overall asthma	PARP1	cg24937136	rs12134025	A	C	-0.257	0.028	0.209	5.14E-20	-0.024	0.011	0.036	0.022	83.880	TRUE	7.12E-19
Overall asthma	PARP1	cg24937136	rs1219667	A	G	-0.268	0.040	0.085	1.39E-11	-0.020	0.017	0.230	0.012	45.652	TRUE	4.15E-11
Overall asthma	PARP1	cg24937136	rs12723939	G	A	-0.163	0.024	0.468	5.61E-12	0.005	0.010	0.640	0.013	47.434	TRUE	1.09E-11
Overall asthma	PARP1	cg24937136	rs1288460	T	C	0.170	0.029	0.224	2.92E-09	-0.001	0.011	0.940	0.009	35.214	TRUE	3.89E-09
Overall asthma	PARP1	cg24937136	rs149905768	A	G	0.345	0.049	0.059	1.38E-12	0.010	0.019	0.610	0.013	50.181	TRUE	2.83E-12
Overall asthma	PARP1	cg24937136	rs150096442	A	G	-0.724	0.084	0.023	1.03E-17	-0.003	0.032	0.920	0.019	73.414	TRUE	2.06E-17
Overall asthma	PARP1	cg24937136	rs17521099	G	A	-0.246	0.041	0.086	2.13E-09	-0.018	0.017	0.310	0.010	35.828	TRUE	5.01E-09
Overall asthma	PARP1	cg24937136	rs1870927	T	A	0.186	0.024	0.371	1.30E-14	0.007	0.010	0.510	0.016	59.346	TRUE	3.36E-14
Overall asthma	PARP1	cg24937136	rs190403145	A	G	-0.666	0.069	0.027	7.50E-22	0.027	0.029	0.350	0.024	92.238	TRUE	4.08E-21
Overall asthma	PARP1	cg24937136	rs2246221	G	A	-0.134	0.023	0.497	8.81E-09	0.000	0.010	0.960	0.009	33.070	TRUE	1.13E-08
Overall asthma	PARP1	cg24937136	rs4149225	G	A	-0.164	0.025	0.354	2.91E-11	0.004	0.010	0.700	0.012	44.214	TRUE	5.11E-11
Overall asthma	PARP1	cg24937136	rs4653728	T	C	1.184	0.028	0.146	<1E-200	0.039	0.013	0.003	0.323	1762.711	TRUE	<1E-200
Overall asthma	PARP1	cg24937136	rs4653747	G	A	-0.316	0.025	0.312	1.28E-35	0.002	0.010	0.870	0.040	155.092	TRUE	9.78E-35
Overall asthma	PARP1	cg24937136	rs56306726	C	T	0.349	0.040	0.085	6.27E-18	0.015	0.016	0.360	0.020	74.394	TRUE	2.53E-17
Overall asthma	PARP1	cg24937136	rs584297	T	C	0.204	0.024	0.424	5.92E-18	0.020	0.010	0.041	0.020	74.506	TRUE	6.09E-17
Overall asthma	PARP1	cg24937136	rs58787117	G	A	-0.374	0.038	0.103	1.04E-22	-0.038	0.016	0.015	0.025	96.141	TRUE	2.30E-21
Overall asthma	PARP1	cg24937136	rs6668379	C	T	-0.332	0.028	0.241	1.55E-33	-0.004	0.011	0.760	0.038	145.573	TRUE	1.17E-32
Overall asthma	PARP1	cg24937136	rs697839	C	T	-0.176	0.024	0.480	2.85E-13	0.004	0.010	0.710	0.014	53.281	TRUE	5.49E-13
Overall asthma	PARP1	cg24937136	rs72762702	C	A	0.372	0.058	0.043	1.71E-10	0.018	0.022	0.400	0.011	40.753	TRUE	3.75E-10
Overall asthma	PARP1	cg24937136	rs7549940	C	G	0.218	0.024	0.420	8.96E-20	0.011	0.010	0.250	0.022	82.781	TRUE	4.93E-19
Overall asthma	PARP1	cg24937136	rs75770789	A	G	-0.338	0.030	0.181	2.98E-30	-0.007	0.013	0.580	0.034	130.564	TRUE	2.18E-29
Overall asthma	PARP1	cg24937136	rs878367	T	C	-1.049	0.027	0.169	<1E-200	-0.003	0.013	0.810	0.286	1482.407	TRUE	1.40E-285
Overall asthma	PCGF2	cg00089071	rs111834226	A	G	1.165	0.065	0.030	2.18E-71	0.015	0.025	0.560	0.079	319.009	TRUE	2.28E-68
Overall asthma	PCGF2	cg00089071	rs228275	T	C	0.150	0.025	0.354	1.92E-09	-0.011	0.010	0.260	0.010	36.034	TRUE	4.63E-09
Overall asthma	PCGF2	cg00089071	rs9902888	A	T	0.203	0.033	0.154	6.30E-10	-0.020	0.013	0.140	0.010	38.206	TRUE	2.04E-09
Overall asthma	PCGF2	cg02433498	rs68075021	G	T	-0.333	0.034	0.137	7.11E-23	0.045	0.014	0.001	0.026	96.898	TRUE	3.45E-21
Overall asthma	PCGF2	cg18896448	rs34727469	T	C	-0.272	0.034	0.131	2.16E-15	0.042	0.014	0.002	0.017	62.883	TRUE	3.35E-14
Overall asthma	PCGF2	cg21692159	rs146712295	T	C	-0.535	0.079	0.024	1.58E-11	-0.020	0.036	0.590	0.012	45.406	TRUE	3.14E-11
Overall asthma	PCGF2	cg21692159	rs2879097	T	C	-0.164	0.028	0.238	2.98E-09	0.038	0.011	7.00E-04	0.009	35.180	TRUE	2.63E-08
Overall asthma	PCGF2	cg21692159	rs3785457	T	C	0.185	0.032	0.168	8.49E-09	-0.018	0.013	0.160	0.009	33.142	TRUE	2.28E-08

Overall asthma	PCGF2	cg23302321	rs12601476	C	T	-0.144	0.023	0.495	5.07E-10	-0.003	0.010	0.780	0.010	38.630	TRUE	7.77E-10
Overall asthma	PCGF2	cg24539380	rs11658048	A	G	-0.738	0.028	0.209	3.63E-157	0.029	0.012	0.015	0.162	713.021	TRUE	4.39E-144
Overall asthma	PCGF2	cg24539380	rs11658841	A	G	-0.215	0.025	0.347	2.21E-18	0.020	0.010	0.056	0.020	76.452	TRUE	2.22E-17
Overall asthma	PCGF2	cg24539380	rs146712295	T	C	-0.679	0.079	0.024	8.63E-18	-0.020	0.036	0.590	0.020	73.763	TRUE	2.52E-17
Overall asthma	PCGF2	cg24539380	rs1811251	G	A	0.352	0.030	0.178	9.43E-32	-0.005	0.013	0.690	0.036	137.414	TRUE	6.67E-31
Overall asthma	PCGF2	cg24539380	rs77536527	G	A	-0.698	0.094	0.014	1.44E-13	-0.024	0.038	0.520	0.015	54.626	TRUE	3.39E-13
Overall asthma	PCGF2	cg24539380	rs78737686	C	T	-0.174	0.024	0.492	1.81E-13	-0.002	0.010	0.800	0.014	54.171	TRUE	3.24E-13
Overall asthma	PCGF2	cg24539380	rs8071479	A	G	0.178	0.025	0.312	1.79E-12	-0.030	0.010	0.004	0.013	49.672	TRUE	1.91E-11
Overall asthma	PCGF2	cg24539380	rs9916617	C	T	0.216	0.031	0.169	2.28E-12	-0.006	0.013	0.650	0.013	49.203	TRUE	4.36E-12
Overall asthma	PDLIM1	cg02338345	rs11599546	A	G	0.298	0.023	0.490	1.00E-37	-0.033	0.010	6.50E-04	0.043	164.731	TRUE	4.89E-35
Overall asthma	PDLIM1	cg02338345	rs1556054	A	G	0.380	0.044	0.080	3.28E-18	-0.025	0.017	0.150	0.020	75.670	TRUE	2.10E-17
Overall asthma	PDLIM1	cg02338345	rs34409900	G	A	-0.261	0.037	0.106	1.52E-12	0.013	0.015	0.390	0.013	49.998	TRUE	3.95E-12
Overall asthma	PDLIM1	cg02338345	rs7916334	G	C	0.181	0.024	0.369	7.32E-14	0.001	0.010	0.930	0.015	55.950	TRUE	1.20E-13
Overall asthma	PDLIM1	cg06542614	rs12219240	G	C	0.474	0.033	0.146	1.17E-45	-0.001	0.013	0.920	0.052	201.039	TRUE	2.15E-44
Overall asthma	PDLIM1	cg08925046	rs10882572	C	A	-0.281	0.024	0.411	1.02E-31	0.029	0.010	0.004	0.036	137.257	TRUE	1.21E-29
Overall asthma	PDLIM1	cg08925046	rs117363163	T	C	0.950	0.157	0.014	1.58E-09	-0.024	0.037	0.510	0.010	36.412	TRUE	2.95E-09
Overall asthma	PDLIM1	cg08925046	rs2477534	C	G	0.205	0.024	0.349	2.50E-17	0.019	0.010	0.055	0.019	71.669	TRUE	2.08E-16
Overall asthma	PDLIM1	cg08925046	rs45535939	C	T	1.070	0.035	0.107	9.03E-211	0.010	0.015	0.490	0.206	959.450	TRUE	3.86E-192
Overall asthma	PDLIM1	cg08925046	rs76672094	A	G	0.224	0.040	0.087	1.71E-08	0.003	0.015	0.860	0.009	31.780	TRUE	2.32E-08
Overall asthma	PDLIM1	cg08925046	rs78496913	C	T	0.543	0.071	0.025	1.59E-14	0.021	0.026	0.430	0.016	58.957	TRUE	4.53E-14
Overall asthma	PDLIM1	cg08925046	rs7917992	G	A	-0.191	0.027	0.259	6.73E-13	-0.013	0.011	0.220	0.014	51.593	TRUE	2.22E-12
Overall asthma	PDLIM1	cg10266121	rs7101278	A	G	0.293	0.026	0.290	2.64E-30	-0.016	0.011	0.130	0.034	130.800	TRUE	5.22E-29
Overall asthma	PDLIM1	cg18389639	rs11599546	A	G	0.181	0.023	0.490	1.14E-14	-0.033	0.010	6.50E-04	0.016	59.606	TRUE	2.27E-13
Overall asthma	PDLIM1	cg18389639	rs12219240	G	C	0.551	0.033	0.146	1.99E-61	-0.001	0.013	0.920	0.069	273.324	TRUE	2.30E-59
Overall asthma	PDLIM1	cg18389639	rs1556054	A	G	0.399	0.044	0.080	9.53E-20	-0.025	0.017	0.150	0.022	82.660	TRUE	6.98E-19
Overall asthma	PDLIM1	cg18389639	rs45546031	T	C	-0.264	0.040	0.210	4.70E-11	-0.004	0.012	0.770	0.012	43.275	TRUE	7.71E-11
Overall asthma	PDLIM1	cg18389639	rs61886764	C	T	-0.299	0.053	0.051	1.70E-08	0.006	0.020	0.780	0.009	31.789	TRUE	2.45E-08
Overall asthma	PDLIM1	cg18389639	rs7907756	T	C	0.315	0.052	0.054	2.07E-09	0.007	0.021	0.750	0.010	35.888	TRUE	3.18E-09
Overall asthma	PDLIM1	cg19190632	rs6583987	A	C	-0.223	0.026	0.292	4.56E-18	-0.016	0.011	0.130	0.020	75.023	TRUE	2.84E-17
Overall asthma	PDLIM1	cg20714347	rs12415795	T	C	-0.250	0.024	0.411	1.11E-25	0.029	0.010	0.003	0.029	109.692	TRUE	6.07E-24
Overall asthma	PDLIM1	cg20714347	rs12782626	G	A	-0.192	0.035	0.134	4.18E-08	0.026	0.014	0.069	0.008	30.049	TRUE	1.36E-07
Overall asthma	PDLIM1	cg20714347	rs7899746	T	C	0.141	0.023	0.409	2.16E-09	-0.022	0.010	0.023	0.010	35.801	TRUE	1.01E-08
Overall asthma	PDLIM1	cg25968326	rs6583989	T	C	0.304	0.034	0.148	1.50E-19	0.000	0.014	0.980	0.022	81.768	TRUE	3.12E-19
Overall asthma	PGAM5	cg00648582	rs1050225	C	T	-0.161	0.029	0.207	2.53E-08	0.016	0.012	0.190	0.008	31.023	TRUE	6.35E-08
Overall asthma	PGAM5	cg00648582	rs12824438	C	T	0.207	0.026	0.273	1.36E-15	-0.020	0.011	0.065	0.017	63.792	TRUE	8.97E-15
Overall asthma	PGAM5	cg00648582	rs185457822	T	C	-0.526	0.091	0.018	6.34E-09	0.017	0.035	0.620	0.009	33.709	TRUE	1.04E-08
Overall asthma	PGAM5	cg00648582	rs187004317	C	T	-0.440	0.078	0.022	1.50E-08	-0.020	0.030	0.510	0.009	32.034	TRUE	2.68E-08
Overall asthma	PGAM5	cg00648582	rs4883545	T	C	-0.331	0.023	0.467	4.79E-47	0.010	0.010	0.280	0.053	207.402	TRUE	3.66E-45
Overall asthma	PGAM5	cg00648582	rs4883563	A	G	0.161	0.023	0.479	3.86E-12	-0.002	0.010	0.830	0.013	48.167	TRUE	6.30E-12
Overall asthma	PGAM5	cg00648582	rs72624269	C	T	-0.325	0.034	0.123	6.05E-22	0.009	0.014	0.540	0.024	92.662	TRUE	2.51E-21
Overall asthma	PGAM5	cg00648582	rs7315175	A	G	-0.247	0.031	0.165	2.08E-15	0.008	0.013	0.560	0.017	62.955	TRUE	5.36E-15
Overall asthma	PGAM5	cg00648582	rs9737965	T	G	-0.370	0.050	0.054	1.74E-13	-0.028	0.019	0.140	0.014	54.248	TRUE	7.38E-13

Overall asthma	PGAM5	cg09802308	rs74723244	T	C	-0.335	0.058	0.049	7.61E-09	0.013	0.023	0.550	0.009	33.355	TRUE	1.30E-08
Overall asthma	PGAM5	cg09802308	rs7487109	T	C	-0.130	0.023	0.407	2.81E-08	0.008	0.010	0.400	0.008	30.817	TRUE	5.39E-08
Overall asthma	PGAM5	cg17037406	rs1009320	A	G	-0.136	0.024	0.395	1.55E-08	0.012	0.010	0.220	0.009	31.972	TRUE	3.74E-08
Overall asthma	PGAM5	cg17037406	rs10781620	A	G	-0.225	0.031	0.171	2.03E-13	0.011	0.013	0.410	0.014	53.943	TRUE	5.53E-13
Overall asthma	PGAM5	cg17037406	rs117520285	C	T	-0.264	0.031	0.150	2.38E-17	0.013	0.013	0.320	0.019	71.760	TRUE	9.67E-17
Overall asthma	PGAM5	cg17037406	rs6560887	T	C	-0.497	0.090	0.016	3.80E-08	-0.008	0.033	0.800	0.008	30.232	TRUE	5.30E-08
Overall asthma	PGAM5	cg17037406	rs7966242	G	A	0.256	0.026	0.288	1.72E-23	-0.027	0.010	0.009	0.026	99.706	TRUE	5.61E-22
Overall asthma	PGAM5	cg17903544	rs74386341	A	T	-0.221	0.038	0.108	4.75E-09	0.014	0.015	0.340	0.009	34.272	TRUE	1.01E-08
Overall asthma	PGAM5	cg17903544	rs7486197	T	C	0.148	0.023	0.415	1.39E-10	0.004	0.010	0.710	0.011	41.152	TRUE	2.33E-10
Overall asthma	PGAM5	cg19245612	rs11147013	T	G	-0.243	0.033	0.145	4.16E-13	0.019	0.014	0.160	0.014	52.537	TRUE	1.58E-12
Overall asthma	PGAM5	cg19245612	rs11147097	C	T	-0.217	0.031	0.184	1.79E-12	-0.004	0.012	0.730	0.013	49.670	TRUE	3.27E-12
Overall asthma	PGAM5	cg19245612	rs12423651	T	C	-1.506	0.064	0.036	1.21E-122	0.008	0.026	0.750	0.130	554.376	TRUE	1.30E-115
Overall asthma	PGAM5	cg19245612	rs1882303	A	G	-0.997	0.124	0.011	7.69E-16	-0.007	0.048	0.880	0.017	64.913	TRUE	1.45E-15
Overall asthma	PGAM5	cg19245612	rs61952767	C	T	-0.272	0.031	0.156	6.21E-18	0.011	0.013	0.420	0.020	74.414	TRUE	2.32E-17
Overall asthma	PGAM5	cg19245612	rs7973452	A	G	0.183	0.024	0.368	3.12E-14	-0.021	0.010	0.033	0.015	57.624	TRUE	2.28E-13
Overall asthma	PGAM5	cg19245612	rs7980864	A	G	-0.187	0.033	0.153	1.27E-08	0.004	0.013	0.790	0.009	32.364	TRUE	1.83E-08
Overall asthma	PGAM5	cg19967846	rs7486197	T	C	-0.230	0.023	0.415	1.21E-23	0.004	0.010	0.710	0.026	100.407	TRUE	4.46E-23
Overall asthma	PGAM5	cg20725256	rs11615090	C	T	0.241	0.038	0.110	2.60E-10	0.012	0.015	0.420	0.011	39.936	TRUE	5.57E-10
Overall asthma	PGAM5	cg20725256	rs149597645	T	C	-0.476	0.087	0.020	4.51E-08	0.013	0.035	0.720	0.008	29.902	TRUE	6.67E-08
Overall asthma	PGAM5	cg20725256	rs4883571	A	G	0.142	0.024	0.405	2.84E-09	-0.014	0.010	0.150	0.009	35.272	TRUE	8.15E-09
Overall asthma	PGAM5	cg20725256	rs60252840	T	C	-0.252	0.026	0.265	2.68E-22	0.018	0.011	0.100	0.025	94.273	TRUE	2.88E-21
Overall asthma	PGAM5	cg20725256	rs7303969	C	T	-0.215	0.030	0.183	7.93E-13	0.010	0.013	0.440	0.014	51.272	TRUE	1.93E-12
Overall asthma	PGAM5	cg20725256	rs9737965	T	G	-0.334	0.050	0.054	3.28E-11	-0.028	0.019	0.140	0.012	43.977	TRUE	1.14E-10
Overall asthma	PGAM5	cg25314152	rs10747086	T	C	0.149	0.027	0.247	3.47E-08	0.012	0.011	0.270	0.008	30.407	TRUE	7.59E-08
Overall asthma	PGAM5	cg25314152	rs10781631	T	C	0.177	0.024	0.392	8.40E-14	-0.021	0.010	0.034	0.015	55.680	TRUE	5.95E-13
Overall asthma	PGAM5	cg25314152	rs11146948	C	G	-0.240	0.026	0.256	1.03E-19	0.012	0.011	0.270	0.022	82.503	TRUE	5.44E-19
Overall asthma	PGAM5	cg25314152	rs11147015	C	T	-0.756	0.033	0.143	1.56E-118	-0.009	0.014	0.520	0.126	535.491	TRUE	1.30E-111
Overall asthma	PGAM5	cg25314152	rs112613347	T	C	-0.534	0.071	0.027	3.52E-14	-0.036	0.029	0.210	0.015	57.387	TRUE	1.34E-13
Overall asthma	PGAM5	cg25314152	rs139927342	A	G	-0.812	0.120	0.011	1.49E-11	0.034	0.041	0.410	0.012	45.520	TRUE	3.54E-11
Overall asthma	PGAM5	cg25314152	rs148310828	C	T	-0.412	0.072	0.027	9.53E-09	-0.029	0.029	0.310	0.009	32.917	TRUE	2.07E-08
Overall asthma	PGAM5	cg25314152	rs61952804	T	C	-0.189	0.030	0.175	2.70E-10	0.017	0.013	0.170	0.011	39.855	TRUE	7.88E-10
Overall asthma	PGAM5	cg25314152	rs7309093	T	C	-0.562	0.080	0.020	1.86E-12	0.007	0.033	0.820	0.013	49.595	TRUE	3.11E-12
Overall asthma	PGAM5	cg25314152	rs7310577	A	G	-0.615	0.070	0.029	1.76E-18	-0.010	0.026	0.710	0.020	76.902	TRUE	4.64E-18
Overall asthma	PGAM5	cg25314152	rs73157021	T	C	-0.627	0.077	0.023	3.49E-16	-0.022	0.034	0.510	0.018	66.467	TRUE	9.87E-16
Overall asthma	PGAM5	cg25314152	rs75391939	T	C	-0.971	0.157	0.012	6.43E-10	-0.029	0.044	0.520	0.010	38.165	TRUE	1.24E-09
Overall asthma	PGAM5	cg27362255	rs10870498	A	G	-0.188	0.024	0.394	2.39E-15	-0.017	0.010	0.089	0.017	62.684	TRUE	1.44E-14
Overall asthma	PGAM5	cg27362255	rs117751270	T	C	0.776	0.087	0.018	3.11E-19	0.052	0.035	0.130	0.021	80.323	TRUE	2.20E-18
Overall asthma	PGAM5	cg27362255	rs7488796	C	T	-0.384	0.066	0.035	5.19E-09	0.013	0.026	0.610	0.009	34.097	TRUE	8.65E-09
Overall asthma	PGAM5	cg27362255	rs7966712	G	C	0.164	0.024	0.399	8.10E-12	0.013	0.010	0.180	0.012	46.715	TRUE	2.66E-11
Overall asthma	PGAM5	cg27485716	rs11147025	G	A	0.271	0.023	0.421	9.62E-32	0.004	0.010	0.680	0.036	137.373	TRUE	6.96E-31
Overall asthma	PGAM5	cg27485716	rs2625083	G	C	-0.276	0.048	0.054	1.21E-08	-0.010	0.021	0.620	0.009	32.458	TRUE	1.95E-08
Overall asthma	PGAM5	cg27485716	rs28372675	A	G	0.172	0.025	0.332	3.03E-12	0.012	0.010	0.260	0.013	48.644	TRUE	9.62E-12

Overall asthma	PGAM5	cg27485716	rs74727297	T	G	-0.415	0.038	0.109	4.17E-28	0.015	0.015	0.320	0.032	120.763	TRUE	4.12E-27
Overall asthma	PIK3R1	cg00559992	rs4122269	C	T	0.165	0.025	0.342	1.80E-11	0.014	0.010	0.170	0.012	45.157	TRUE	6.11E-11
Overall asthma	PIK3R1	cg00559992	rs72757693	A	G	0.567	0.033	0.131	7.92E-65	0.025	0.013	0.063	0.072	288.915	TRUE	2.59E-61
Overall asthma	PIK3R1	cg00559992	rs73768879	C	T	0.232	0.031	0.171	5.25E-14	0.041	0.016	0.010	0.015	56.602	TRUE	5.03E-13
Overall asthma	PIK3R1	cg00559992	rs79665758	T	A	0.567	0.094	0.016	1.55E-09	0.052	0.035	0.140	0.010	36.445	TRUE	4.72E-09
Overall asthma	PIK3R1	cg00559992	rs80091534	T	G	0.477	0.077	0.025	6.37E-10	0.010	0.034	0.760	0.010	38.184	TRUE	9.86E-10
Overall asthma	PIK3R1	cg01105385	rs76410712	A	C	0.602	0.095	0.016	2.44E-10	0.023	0.040	0.550	0.011	40.054	TRUE	4.58E-10
Overall asthma	PIK3R1	cg01239651	rs73769904	T	A	-0.288	0.042	0.083	5.31E-12	-0.015	0.017	0.380	0.013	47.543	TRUE	1.34E-11
Overall asthma	PIK3R1	cg02271687	rs695166	C	G	-0.195	0.025	0.288	1.76E-14	-0.019	0.011	0.078	0.016	58.750	TRUE	9.78E-14
Overall asthma	PIK3R1	cg08945395	rs114414945	C	T	0.595	0.097	0.014	7.81E-10	0.025	0.039	0.510	0.010	37.787	TRUE	1.48E-09
Overall asthma	PIK3R1	cg09101894	rs67913607	C	T	-0.167	0.027	0.251	6.21E-10	-0.031	0.011	0.006	0.010	38.235	TRUE	4.24E-09
Overall asthma	PIK3R1	cg15021292	rs138714861	G	C	-2.225	0.100	0.019	1.01E-109	-0.020	0.036	0.580	0.118	495.021	TRUE	1.04E-103
Overall asthma	PIK3R1	cg15021292	rs173701	C	G	-0.159	0.028	0.225	1.26E-08	-0.032	0.011	0.004	0.009	32.371	TRUE	7.59E-08
Overall asthma	PIK3R1	cg15021292	rs6886884	G	A	-0.205	0.028	0.233	1.10E-13	0.005	0.011	0.630	0.015	55.143	TRUE	2.36E-13
Overall asthma	PIK3R1	cg15021292	rs77064062	T	C	-0.470	0.083	0.021	1.34E-08	0.000	0.032	0.990	0.009	32.259	TRUE	1.66E-08
Overall asthma	PIK3R1	cg18104285	rs706713	T	C	0.219	0.027	0.247	4.62E-16	-0.024	0.011	0.029	0.018	65.917	TRUE	4.21E-15
Overall asthma	PIK3R1	cg20439288	rs80193740	T	C	0.951	0.097	0.014	1.46E-22	0.024	0.038	0.530	0.025	95.471	TRUE	6.38E-22
Overall asthma	PIK3R1	cg24797508	rs67913607	C	T	-0.185	0.027	0.251	7.14E-12	-0.031	0.011	0.006	0.013	46.963	TRUE	6.27E-11
Overall asthma	PIK3R1	cg26878542	rs16897601	G	A	0.215	0.029	0.203	4.74E-14	-0.030	0.012	0.012	0.015	56.805	TRUE	4.37E-13
Overall asthma	PIK3R1	cg26878542	rs56352616	T	C	-0.344	0.029	0.189	1.20E-31	0.022	0.012	0.064	0.036	136.942	TRUE	4.11E-30
Overall asthma	PIP4K2A	cg03771739	rs10828316	C	A	0.148	0.025	0.320	1.97E-09	0.020	0.010	0.052	0.010	35.982	TRUE	7.94E-09
Overall asthma	PIP4K2A	cg04813697	rs1171500	C	T	0.147	0.023	0.442	4.31E-10	0.001	0.010	0.920	0.010	38.948	TRUE	5.99E-10
Overall asthma	PIP4K2A	cg04813697	rs1750774	T	A	0.335	0.059	0.043	1.10E-08	-0.003	0.024	0.910	0.009	32.635	TRUE	1.46E-08
Overall asthma	PIP4K2A	cg06690686	rs12253561	C	T	0.233	0.036	0.115	1.39E-10	-0.006	0.015	0.710	0.011	41.155	TRUE	2.32E-10
Overall asthma	PIP4K2A	cg06690686	rs6482231	A	C	0.977	0.083	0.023	2.54E-32	-0.024	0.035	0.490	0.036	140.018	TRUE	2.62E-31
Overall asthma	PIP4K2A	cg06690686	rs7078726	C	T	0.454	0.062	0.033	2.20E-13	-0.023	0.027	0.390	0.014	53.784	TRUE	6.01E-13
Overall asthma	PIP4K2A	cg06690686	rs7093538	T	C	0.643	0.069	0.034	1.31E-20	-0.009	0.029	0.750	0.023	86.577	TRUE	3.77E-20
Overall asthma	PIP4K2A	cg07701530	rs10828334	A	G	-0.324	0.028	0.212	2.02E-31	0.001	0.012	0.920	0.035	135.898	TRUE	9.98E-31
Overall asthma	PIP4K2A	cg07701530	rs113311567	T	C	-0.552	0.079	0.024	2.18E-12	0.056	0.033	0.094	0.013	49.287	TRUE	9.76E-12
Overall asthma	PIP4K2A	cg07701530	rs12773197	T	G	-0.567	0.060	0.072	2.99E-21	0.003	0.020	0.870	0.024	89.499	TRUE	7.82E-21
Overall asthma	PIP4K2A	cg07701530	rs2765994	C	T	-0.814	0.021	0.401	<1E-200	0.000	0.010	0.990	0.297	1564.205	TRUE	7.24E-300
Overall asthma	PIP4K2A	cg07701530	rs34262913	T	C	-0.336	0.027	0.235	9.74E-35	0.000	0.011	0.980	0.039	151.064	TRUE	5.82E-34
Overall asthma	PIP4K2A	cg07701530	rs4328127	C	G	-0.208	0.027	0.256	2.06E-14	0.035	0.011	0.001	0.016	58.444	TRUE	3.21E-13
Overall asthma	PIP4K2A	cg07701530	rs7075433	C	T	-0.373	0.034	0.130	5.56E-28	-0.026	0.014	0.058	0.031	120.190	TRUE	1.32E-26
Overall asthma	PIP4K2A	cg07701530	rs7093957	T	C	-0.268	0.032	0.162	2.76E-17	-0.014	0.013	0.280	0.019	71.470	TRUE	1.19E-16
Overall asthma	PIP4K2A	cg07701530	rs75689693	A	T	0.371	0.061	0.071	1.05E-09	-0.011	0.018	0.540	0.010	37.202	TRUE	1.95E-09
Overall asthma	PIP4K2A	cg07701530	rs76547528	G	A	-0.539	0.053	0.052	4.21E-24	0.059	0.020	0.003	0.027	102.492	TRUE	1.87E-22
Overall asthma	PIP4K2A	cg07701530	rs78963087	A	G	0.237	0.043	0.246	3.00E-08	-0.029	0.011	0.011	0.008	30.693	TRUE	1.48E-07
Overall asthma	PIP4K2A	cg09062038	rs7081744	A	G	0.184	0.024	0.396	6.82E-15	0.020	0.010	0.044	0.016	60.617	TRUE	4.95E-14
Overall asthma	PIP4K2A	cg09216670	rs10828391	A	G	0.173	0.030	0.197	5.48E-09	-0.003	0.012	0.830	0.009	33.994	TRUE	7.73E-09
Overall asthma	PIP4K2A	cg09216670	rs12778869	G	T	0.338	0.026	0.262	3.02E-38	-0.003	0.011	0.780	0.043	167.113	TRUE	3.34E-37
Overall asthma	PIP4K2A	cg09273683	rs16922580	C	T	-0.291	0.035	0.131	1.23E-16	-0.019	0.014	0.170	0.018	68.524	TRUE	6.26E-16

Overall asthma	PIP4K2A	cg14215711	rs1171502	G	A	0.150	0.023	0.458	1.31E-10	-0.002	0.010	0.870	0.011	41.272	TRUE	1.92E-10
Overall asthma	PIP4K2A	cg16904399	rs12254366	A	G	-0.410	0.041	0.092	6.45E-24	-0.024	0.016	0.140	0.027	101.647	TRUE	7.14E-23
Overall asthma	PIP4K2A	cg20641026	rs11013131	G	A	0.261	0.033	0.134	4.77E-15	0.016	0.014	0.260	0.016	61.320	TRUE	1.81E-14
Overall asthma	PIP4K2A	cg20641026	rs117921884	C	A	0.475	0.085	0.040	2.20E-08	-0.011	0.026	0.680	0.008	31.294	TRUE	3.40E-08
Overall asthma	PIP4K2A	cg20641026	rs1778316	G	T	0.564	0.023	0.401	4.82E-133	-0.001	0.010	0.910	0.140	602.161	TRUE	3.82E-125
Overall asthma	PIP4K2A	cg20641026	rs34262913	T	C	0.255	0.028	0.235	1.81E-20	0.000	0.011	0.980	0.023	85.939	TRUE	3.96E-20
Overall asthma	PIP4K2A	cg20641026	rs4328127	C	G	0.190	0.027	0.256	3.09E-12	0.035	0.011	0.001	0.013	48.607	TRUE	3.59E-11
Overall asthma	PIP4K2A	cg20641026	rs75233125	A	T	0.517	0.053	0.051	3.16E-22	0.049	0.021	0.018	0.025	93.944	TRUE	6.37E-21
Overall asthma	PIP4K2A	cg23017573	rs10764344	C	T	-0.813	0.021	0.342	<1E-200	0.008	0.010	0.440	0.281	1443.549	TRUE	4.09E-278
Overall asthma	PIP4K2A	cg23017573	rs111803430	T	C	-0.453	0.045	0.055	1.28E-23	0.023	0.017	0.160	0.026	100.293	TRUE	1.20E-22
Overall asthma	PIP4K2A	cg23017573	rs113311567	T	C	-0.531	0.079	0.024	1.61E-11	0.056	0.033	0.094	0.012	45.366	TRUE	6.66E-11
Overall asthma	PIP4K2A	cg23017573	rs11599012	T	C	-0.214	0.033	0.149	5.66E-11	0.010	0.013	0.440	0.011	42.912	TRUE	1.23E-10
Overall asthma	PIP4K2A	cg23017573	rs117521485	G	A	-0.503	0.088	0.017	1.04E-08	0.028	0.034	0.400	0.009	32.741	TRUE	2.05E-08
Overall asthma	PIP4K2A	cg23017573	rs1778330	G	T	-0.755	0.059	0.043	5.01E-38	-0.010	0.024	0.690	0.043	166.105	TRUE	6.25E-37
Overall asthma	PIP4K2A	cg23017573	rs188189173	A	G	-0.402	0.052	0.055	7.65E-15	-0.010	0.020	0.620	0.016	60.392	TRUE	1.76E-14
Overall asthma	PIP4K2A	cg23017573	rs2364708	A	G	-0.319	0.026	0.273	1.49E-35	-0.004	0.011	0.740	0.040	154.789	TRUE	1.35E-34
Overall asthma	PIP4K2A	cg23017573	rs6482228	A	G	-0.443	0.024	0.353	1.73E-77	0.005	0.010	0.600	0.086	347.003	TRUE	4.11E-74
Overall asthma	PIP4K2A	cg23017573	rs7100772	T	C	-0.239	0.027	0.248	1.66E-18	0.022	0.011	0.045	0.020	77.017	TRUE	1.69E-17
Overall asthma	PIP4K2A	cg23017573	rs72816826	G	A	0.345	0.040	0.094	1.48E-17	-0.028	0.016	0.082	0.019	72.702	TRUE	1.12E-16
Overall asthma	PIP4K2A	cg23017573	rs76547528	G	A	-0.641	0.053	0.052	2.10E-33	0.059	0.020	0.003	0.038	144.970	TRUE	3.07E-31
Overall asthma	PIP4K2A	cg23017573	rs79228402	T	C	-0.563	0.051	0.053	4.25E-28	0.013	0.021	0.540	0.032	120.726	TRUE	2.83E-27
Overall asthma	PIP4K2A	cg25050566	rs1750758	G	A	-0.441	0.023	0.401	1.90E-82	0.000	0.010	1.000	0.091	369.768	TRUE	4.05E-79
Overall asthma	PIP4K2A	cg25050566	rs7075433	C	T	-0.281	0.034	0.130	6.95E-17	-0.026	0.014	0.058	0.018	69.650	TRUE	5.35E-16
Overall asthma	PIP4K2A	cg25050566	rs7084413	C	T	-0.163	0.027	0.260	1.04E-09	0.003	0.011	0.800	0.010	37.228	TRUE	1.56E-09
Overall asthma	PIP4K2A	cg25050566	rs875598	C	T	-0.157	0.025	0.298	6.57E-10	0.008	0.010	0.450	0.010	38.123	TRUE	1.36E-09
Overall asthma	PIP4K2A	cg25178565	rs10764344	C	T	-0.182	0.025	0.342	1.34E-13	0.008	0.010	0.440	0.015	54.768	TRUE	3.49E-13
Overall asthma	PIP4K2A	cg25178565	rs12241403	T	C	-0.379	0.065	0.038	5.98E-09	-0.011	0.027	0.680	0.009	33.823	TRUE	9.43E-09
Overall asthma	PIP4K2A	cg25178565	rs58647212	A	G	-0.340	0.024	0.367	1.52E-46	0.006	0.010	0.550	0.053	205.102	TRUE	6.01E-45
Overall asthma	PIP4K2A	cg25178565	rs77989314	C	T	-0.320	0.057	0.046	2.31E-08	0.048	0.021	0.023	0.008	31.196	TRUE	9.66E-08
Overall asthma	PIP4K2A	cg26872151	rs117479485	C	T	-1.029	0.168	0.013	8.11E-10	0.029	0.043	0.490	0.010	37.714	TRUE	1.57E-09
Overall asthma	PIP4K2A	cg26872151	rs12354766	C	A	0.527	0.025	0.281	3.62E-97	0.006	0.011	0.570	0.106	437.356	TRUE	2.91E-92
Overall asthma	PIP4K2A	cg26872151	rs1750752	G	A	-0.594	0.036	0.121	3.66E-62	-0.012	0.015	0.410	0.070	276.691	TRUE	1.38E-59
Overall asthma	PIP4K2A	cg26872151	rs6482225	A	C	-0.289	0.053	0.049	4.50E-08	-0.024	0.021	0.250	0.008	29.904	TRUE	1.00E-07
Overall asthma	PIP4K2A	cg26872151	rs7083933	G	A	-0.503	0.091	0.016	3.09E-08	-0.007	0.035	0.840	0.008	30.635	TRUE	4.19E-08
Overall asthma	PIP4K2A	cg26872151	rs7093538	T	C	-0.402	0.069	0.034	6.52E-09	-0.009	0.029	0.750	0.009	33.653	TRUE	9.78E-09
Overall asthma	PIP4K2A	cg26872151	rs7913894	T	C	0.196	0.031	0.160	2.65E-10	0.011	0.013	0.410	0.011	39.896	TRUE	5.84E-10
Overall asthma	PIP4K2B	cg03371752	rs228284	T	C	0.156	0.028	0.218	1.89E-08	-0.007	0.011	0.530	0.008	31.592	TRUE	3.32E-08
Overall asthma	PIP4K2B	cg20303331	rs4795311	T	C	-0.203	0.029	0.197	5.15E-12	0.023	0.012	0.059	0.013	47.603	TRUE	2.57E-11
Overall asthma	PIP4K2B	cg20303331	rs626866	C	T	0.168	0.028	0.236	1.36E-09	-0.037	0.011	0.001	0.010	36.700	TRUE	1.21E-08
Overall asthma	PIP4K2B	cg20303331	rs72625934	A	G	-0.792	0.047	0.061	1.70E-62	0.010	0.020	0.630	0.070	278.218	TRUE	4.09E-60
Overall asthma	PIP4K2B	cg20760360	rs11079061	C	T	0.154	0.024	0.454	8.40E-11	-0.021	0.010	0.032	0.011	42.140	TRUE	4.38E-10
Overall asthma	PIP4K2B	cg20760360	rs113262309	A	C	0.267	0.041	0.086	1.04E-10	-0.035	0.016	0.031	0.011	41.719	TRUE	5.38E-10

Overall asthma	PIP4K2B	cg20760360	rs620110	A	G	0.457	0.033	0.153	1.09E-44	-0.018	0.013	0.190	0.050	196.599	TRUE	9.82E-43
Overall asthma	PIP4K2B	cg27142680	rs228251	G	A	-0.201	0.028	0.239	3.49E-13	-0.037	0.011	0.001	0.014	52.881	TRUE	5.22E-12
Overall asthma	PIP4K2C	cg05694847	rs10876966	T	C	-0.178	0.028	0.221	4.01E-10	0.033	0.012	0.004	0.010	39.088	TRUE	2.70E-09
Overall asthma	PIP4K2C	cg05694847	rs11172315	T	A	-0.130	0.024	0.389	3.76E-08	0.011	0.010	0.250	0.008	30.255	TRUE	8.32E-08
Overall asthma	PIP4K2C	cg05694847	rs11613457	A	G	-0.597	0.043	0.075	3.46E-43	0.026	0.018	0.140	0.049	189.726	TRUE	2.81E-41
Overall asthma	PIP4K2C	cg05694847	rs74808980	G	A	-0.396	0.063	0.057	4.26E-10	0.056	0.021	0.009	0.010	38.970	TRUE	2.72E-09
Overall asthma	PIP4K2C	cg09740308	rs10747780	T	C	0.859	0.023	0.273	<1E-200	0.019	0.011	0.073	0.280	1439.876	TRUE	4.53E-276
Overall asthma	PIP4K2C	cg09740308	rs1078109	A	G	-0.295	0.038	0.106	6.50E-15	0.040	0.015	0.009	0.016	60.711	TRUE	7.47E-14
Overall asthma	PIP4K2C	cg09740308	rs112976255	A	C	-0.316	0.046	0.072	3.64E-12	0.035	0.018	0.049	0.013	48.285	TRUE	1.88E-11
Overall asthma	PIP4K2C	cg09740308	rs12423654	C	T	0.218	0.023	0.480	3.24E-21	0.015	0.010	0.110	0.024	89.343	TRUE	2.99E-20
Overall asthma	PIP4K2C	cg09740308	rs17565804	T	C	0.601	0.058	0.042	2.38E-25	-0.043	0.023	0.060	0.028	108.184	TRUE	4.33E-24
Overall asthma	PIP4K2C	cg09740308	rs2277322	C	T	-0.315	0.024	0.319	2.95E-38	-0.018	0.010	0.072	0.043	167.158	TRUE	2.08E-36
Overall asthma	PIP4K2C	cg09740308	rs34790089	T	C	0.654	0.053	0.049	8.87E-35	0.021	0.024	0.370	0.039	151.248	TRUE	1.43E-33
Overall asthma	PIP4K2C	cg09740308	rs4077658	A	C	0.237	0.026	0.297	1.57E-20	0.037	0.011	4.80E-04	0.023	86.221	TRUE	6.39E-19
Overall asthma	PIP4K2C	cg09740308	rs78607331	T	C	0.464	0.084	0.043	2.80E-08	0.033	0.023	0.150	0.008	30.822	TRUE	7.41E-08
Overall asthma	PIP4K2C	cg09740308	rs78638304	T	A	-0.271	0.046	0.148	4.20E-09	-0.015	0.013	0.260	0.009	34.508	TRUE	1.02E-08
Overall asthma	PIP4K2C	cg20183802	rs11613457	A	G	-0.295	0.044	0.075	2.00E-11	0.026	0.018	0.140	0.012	44.948	TRUE	6.96E-11
Overall asthma	PIP4K2C	cg20183802	rs1678508	A	G	-0.561	0.067	0.033	3.13E-17	0.006	0.027	0.820	0.019	71.222	TRUE	6.75E-17
Overall asthma	PIP4K2C	cg20183802	rs74240697	T	C	-0.390	0.072	0.028	4.79E-08	-0.011	0.028	0.700	0.008	29.784	TRUE	7.16E-08
Overall asthma	PIP4K2C	cg20416037	rs11613457	A	G	-0.352	0.044	0.075	1.11E-15	0.026	0.018	0.140	0.017	64.194	TRUE	5.56E-15
Overall asthma	PIP4K2C	cg20416037	rs775245	A	G	0.384	0.043	0.084	1.76E-19	-0.040	0.018	0.024	0.022	81.444	TRUE	2.39E-18
Overall asthma	PIP4K2C	cg25133016	rs11613457	A	G	-0.272	0.044	0.075	5.64E-10	0.026	0.018	0.140	0.010	38.420	TRUE	1.74E-09
Overall asthma	PIP4K2C	cg25133016	rs775245	A	G	0.308	0.043	0.084	5.04E-13	-0.040	0.018	0.024	0.014	52.159	TRUE	3.42E-12
Overall asthma	PIP4K2C	cg26459339	rs10437954	G	A	-0.262	0.042	0.089	3.04E-10	-0.016	0.017	0.340	0.011	39.625	TRUE	7.08E-10
Overall asthma	PIP4K2C	cg26459339	rs1078109	A	G	-0.349	0.038	0.106	2.29E-20	0.040	0.015	0.009	0.023	85.479	TRUE	5.00E-19
Overall asthma	PIP4K2C	cg26459339	rs112976255	A	C	-0.283	0.046	0.072	5.38E-10	0.035	0.018	0.049	0.010	38.512	TRUE	2.23E-09
Overall asthma	PIP4K2C	cg26459339	rs12579911	T	C	0.237	0.023	0.485	6.63E-25	0.013	0.010	0.160	0.028	106.153	TRUE	6.99E-24
Overall asthma	PIP4K2C	cg26459339	rs1678527	T	C	-0.318	0.024	0.326	3.02E-39	-0.006	0.010	0.580	0.044	171.687	TRUE	5.13E-38
Overall asthma	PIP4K2C	cg26459339	rs1800139	C	T	0.239	0.025	0.324	9.64E-22	0.037	0.010	2.50E-04	0.024	91.739	TRUE	6.20E-20
Overall asthma	PIP4K2C	cg26459339	rs34556747	T	C	0.599	0.058	0.042	3.47E-25	-0.029	0.023	0.210	0.028	107.437	TRUE	3.43E-24
Overall asthma	PIP4K2C	cg26459339	rs34790089	T	C	0.713	0.053	0.049	4.02E-41	0.021	0.024	0.370	0.046	180.272	TRUE	1.25E-39
Overall asthma	PIP4K2C	cg26459339	rs78607331	T	C	0.468	0.084	0.043	2.21E-08	0.033	0.023	0.150	0.008	31.284	TRUE	5.89E-08
Overall asthma	PIP4K2C	cg26459339	rs8873	A	G	0.928	0.024	0.221	<1E-200	0.027	0.011	0.017	0.282	1451.315	TRUE	5.86E-277
Overall asthma	PLEKHF1	cg05897963	rs59336768	A	G	-0.218	0.035	0.135	2.88E-10	-0.004	0.014	0.770	0.011	39.734	TRUE	4.53E-10
Overall asthma	PLEKHF1	cg06373240	rs8099974	C	A	-0.251	0.034	0.137	1.48E-13	-0.003	0.014	0.830	0.015	54.570	TRUE	2.58E-13
Overall asthma	PLEKHF1	cg09776718	rs58350456	A	G	0.145	0.026	0.300	2.75E-08	0.015	0.011	0.160	0.008	30.861	TRUE	7.00E-08
Overall asthma	PLEKHF1	cg14945937	rs3745169	T	C	0.341	0.040	0.103	5.95E-18	0.040	0.016	0.012	0.020	74.496	TRUE	8.56E-17
Overall asthma	PLEKHM2	cg01555432	rs146016966	T	C	-0.892	0.098	0.028	5.78E-20	0.020	0.030	0.520	0.022	83.647	TRUE	2.15E-19
Overall asthma	PLEKHM2	cg03343063	rs9662456	T	C	0.386	0.051	0.050	2.70E-14	0.007	0.021	0.730	0.015	57.914	TRUE	5.42E-14
Overall asthma	PLEKHM2	cg06178322	rs71631739	G	A	0.182	0.030	0.183	1.71E-09	-0.032	0.012	0.008	0.010	36.254	TRUE	1.01E-08
Overall asthma	PLEKHM2	cg07007550	rs10927840	G	A	0.401	0.028	0.232	8.82E-48	-0.025	0.011	0.027	0.054	210.769	TRUE	3.87E-45
Overall asthma	PLEKHM2	cg07007550	rs938295	T	C	0.174	0.031	0.173	1.39E-08	0.006	0.013	0.650	0.009	32.186	TRUE	2.20E-08

Overall asthma	PLEKHM2	cg09873284	rs68052904	C	T	-0.182	0.026	0.268	3.91E-12	-0.020	0.011	0.057	0.013	48.145	TRUE	1.85E-11
Overall asthma	PLEKHM2	cg18133145	rs1108185	G	A	-0.575	0.027	0.220	6.16E-101	-0.016	0.011	0.170	0.109	454.664	TRUE	6.28E-95
Overall asthma	PLEKHM2	cg18133145	rs1240333	G	A	0.163	0.025	0.301	1.12E-10	-0.008	0.010	0.430	0.011	41.577	TRUE	2.49E-10
Overall asthma	PLEKHM2	cg18133145	rs4646082	G	T	-0.433	0.069	0.027	4.13E-10	-0.002	0.029	0.940	0.010	39.032	TRUE	5.66E-10
Overall asthma	PLEKHM2	cg18133145	rs4661337	C	T	-0.251	0.034	0.132	1.23E-13	0.006	0.015	0.690	0.015	54.935	TRUE	2.46E-13
Overall asthma	PLEKHM2	cg18133145	rs78232475	A	C	-0.227	0.025	0.300	1.40E-19	-0.022	0.011	0.035	0.022	81.894	TRUE	1.59E-18
Overall asthma	PLEKHM2	cg23112360	rs12745403	T	C	0.473	0.030	0.183	6.17E-57	-0.032	0.012	0.009	0.064	252.728	TRUE	1.82E-53
Overall asthma	PLEKHM2	cg23112360	rs35365738	A	G	0.206	0.025	0.311	1.26E-16	0.001	0.010	0.960	0.018	68.476	TRUE	2.30E-16
Overall asthma	PLEKHM2	cg23112360	rs74503197	A	G	0.427	0.069	0.026	4.65E-10	-0.027	0.027	0.320	0.010	38.799	TRUE	1.11E-09
Overall asthma	PLEKHM2	cg27534772	rs12084518	A	G	0.273	0.028	0.234	6.64E-23	-0.025	0.011	0.023	0.026	97.034	TRUE	1.36E-21
Overall asthma	POU4F1	cg04404489	rs4304924	G	A	-0.242	0.032	0.410	3.80E-14	0.022	0.010	0.021	0.015	57.241	TRUE	3.05E-13
Overall asthma	POU4F1	cg04404489	rs4341647	T	C	0.162	0.028	0.219	1.09E-08	-0.014	0.012	0.220	0.009	32.661	TRUE	2.57E-08
Overall asthma	POU4F1	cg06675375	rs2765068	T	A	-0.212	0.024	0.358	4.00E-18	0.021	0.010	0.035	0.020	75.283	TRUE	4.31E-17
Overall asthma	POU4F1	cg06675375	rs9530809	G	A	-0.205	0.023	0.500	7.93E-19	0.018	0.010	0.067	0.021	78.474	TRUE	7.50E-18
Overall asthma	POU4F1	cg11806672	rs12428426	T	C	-0.227	0.028	0.218	4.93E-16	-0.013	0.011	0.240	0.017	65.787	TRUE	2.09E-15
Overall asthma	POU4F1	cg23440004	rs9574240	A	G	-0.166	0.028	0.220	4.68E-09	-0.011	0.011	0.330	0.009	34.299	TRUE	1.04E-08
Overall asthma	POU4F1	cg25682299	rs12869663	T	A	0.150	0.026	0.298	4.26E-09	0.013	0.011	0.230	0.009	34.483	TRUE	1.05E-08
Overall asthma	POU4F2	cg00505045	rs6839918	A	T	0.241	0.042	0.083	1.30E-08	-0.026	0.018	0.140	0.009	32.320	TRUE	3.54E-08
Overall asthma	POU4F2	cg19597382	rs75445683	T	C	-0.693	0.048	0.059	4.10E-48	0.016	0.020	0.430	0.054	212.294	TRUE	2.52E-46
Overall asthma	POU4F2	cg19597382	rs78104021	A	G	-0.304	0.045	0.069	1.87E-11	-0.014	0.018	0.420	0.012	45.076	TRUE	4.27E-11
Overall asthma	POU4F2	cg25406138	rs6537429	A	G	0.320	0.042	0.080	4.32E-14	-0.037	0.018	0.037	0.015	56.984	TRUE	2.92E-13
Overall asthma	PPARD	cg15611037	rs9296152	T	G	0.663	0.092	0.016	4.91E-13	0.073	0.038	0.056	0.014	52.211	TRUE	2.72E-12
Overall asthma	PPARD	cg18204017	rs6939017	G	A	-0.341	0.056	0.049	8.08E-10	-0.026	0.023	0.250	0.010	37.720	TRUE	2.04E-09
Overall asthma	PPARD	cg21748751	rs1053049	C	T	-0.193	0.027	0.237	1.70E-12	0.021	0.011	0.069	0.013	49.780	TRUE	8.83E-12
Overall asthma	PPARD	cg21748751	rs74912731	A	G	-0.165	0.030	0.200	3.59E-08	-0.007	0.011	0.560	0.008	30.342	TRUE	6.07E-08
Overall asthma	PPARD	cg21748751	rs7764813	A	C	-0.674	0.062	0.041	6.66E-28	-0.022	0.025	0.390	0.031	119.832	TRUE	5.72E-27
Overall asthma	PPP2R1B	cg03723716	rs647080	A	G	0.171	0.025	0.316	3.31E-12	0.003	0.010	0.780	0.013	48.469	TRUE	5.72E-12
Overall asthma	PPP2R1B	cg09085632	rs11213916	T	C	0.235	0.024	0.355	3.20E-22	-0.013	0.010	0.200	0.025	93.922	TRUE	2.51E-21
Overall asthma	PPP2R1B	cg09085632	rs11214040	A	G	-0.271	0.047	0.126	8.93E-09	-0.007	0.015	0.650	0.009	33.043	TRUE	1.42E-08
Overall asthma	PPP2R1B	cg09085632	rs11214086	C	T	-0.372	0.024	0.371	3.53E-54	0.021	0.010	0.033	0.061	240.085	TRUE	3.01E-51
Overall asthma	PPP2R1B	cg09085632	rs12280526	A	G	0.379	0.038	0.112	9.79E-24	0.004	0.016	0.800	0.027	100.821	TRUE	3.22E-23
Overall asthma	PPP2R1B	cg09085632	rs2156724	G	T	-0.201	0.025	0.316	2.05E-15	0.001	0.010	0.930	0.017	62.981	TRUE	3.62E-15
Overall asthma	PPP2R1B	cg09085632	rs45488801	A	G	-0.306	0.042	0.086	3.33E-13	0.026	0.017	0.110	0.014	52.975	TRUE	1.43E-12
Overall asthma	PPP2R1B	cg09085632	rs559482	G	A	0.872	0.021	0.288	<1E-200	-0.039	0.011	2.60E-04	0.312	1675.146	TRUE	<1E-200
Overall asthma	PPP2R1B	cg09085632	rs605923	G	C	-0.265	0.033	0.149	5.01E-16	0.000	0.013	0.980	0.017	65.758	TRUE	8.62E-16
Overall asthma	PPP2R1B	cg09085632	rs669778	T	C	-0.296	0.042	0.182	1.09E-12	0.010	0.012	0.400	0.014	50.652	TRUE	2.79E-12
Overall asthma	PPP2R1B	cg09085632	rs74806329	T	C	0.700	0.069	0.034	2.30E-24	-0.019	0.028	0.500	0.027	103.689	TRUE	1.20E-23
Overall asthma	PPP2R1B	cg09215152	rs10891290	C	T	-0.197	0.024	0.388	8.15E-17	0.025	0.010	0.013	0.018	69.334	TRUE	1.07E-15
Overall asthma	PPP2R1B	cg09215152	rs585149	G	A	0.197	0.031	0.171	1.81E-10	0.004	0.013	0.730	0.011	40.643	TRUE	2.95E-10
Overall asthma	PPP2R1B	cg10843715	rs10891290	C	T	-0.243	0.024	0.388	8.82E-25	0.025	0.010	0.013	0.028	105.588	TRUE	2.91E-23
Overall asthma	PPP2R1B	cg10843715	rs618138	A	G	0.243	0.031	0.170	3.34E-15	0.007	0.013	0.580	0.016	62.022	TRUE	8.10E-15
Overall asthma	PPP2R1B	cg11550474	rs1974426	T	A	-0.201	0.024	0.384	4.78E-17	0.018	0.010	0.065	0.019	70.389	TRUE	3.68E-16

Overall asthma	PPP2R1B	cg11550474	rs585149	G	A	0.178	0.031	0.171	1.13E-08	0.004	0.013	0.730	0.009	32.585	TRUE	1.69E-08
Overall asthma	PPP2R1B	cg17468440	rs10891290	C	T	-0.272	0.024	0.388	5.72E-30	0.025	0.010	0.013	0.034	129.266	TRUE	3.51E-28
Overall asthma	PPP2R1B	cg17468440	rs618138	A	G	0.247	0.031	0.170	3.11E-15	0.007	0.013	0.580	0.017	62.162	TRUE	7.56E-15
Overall asthma	PPP2R1B	cg18213857	rs11213912	T	C	-0.202	0.036	0.132	1.28E-08	-0.011	0.014	0.450	0.009	32.348	TRUE	2.44E-08
Overall asthma	PPP2R1B	cg18213857	rs11213916	T	C	0.245	0.024	0.355	6.49E-24	-0.013	0.010	0.200	0.027	101.635	TRUE	5.94E-23
Overall asthma	PPP2R1B	cg18213857	rs11214086	C	T	-0.377	0.024	0.371	7.82E-56	0.021	0.010	0.033	0.063	247.670	TRUE	8.48E-53
Overall asthma	PPP2R1B	cg18213857	rs2156724	G	T	-0.205	0.025	0.316	5.12E-16	0.001	0.010	0.930	0.017	65.714	TRUE	9.32E-16
Overall asthma	PPP2R1B	cg18213857	rs45488801	A	G	-0.307	0.042	0.086	2.85E-13	0.026	0.017	0.110	0.014	53.281	TRUE	1.23E-12
Overall asthma	PPP2R1B	cg18213857	rs559482	G	A	0.863	0.022	0.288	<1E-200	-0.039	0.011	2.60E-04	0.288	1494.282	TRUE	1.16E-282
Overall asthma	PPP2R1B	cg18213857	rs605923	G	C	-0.280	0.033	0.149	9.51E-18	0.000	0.013	0.980	0.020	73.571	TRUE	1.79E-17
Overall asthma	PPP2R1B	cg18213857	rs669778	T	C	-0.287	0.042	0.182	5.10E-12	0.010	0.012	0.400	0.013	47.622	TRUE	1.25E-11
Overall asthma	PPP2R1B	cg18213857	rs74806329	T	C	0.718	0.069	0.034	1.27E-25	-0.019	0.028	0.500	0.029	109.428	TRUE	7.34E-25
Overall asthma	PPP2R1B	cg18213857	rs76399354	T	A	0.567	0.062	0.034	4.58E-20	0.007	0.025	0.760	0.022	84.109	TRUE	1.24E-19
Overall asthma	PPP2R1B	cg23026420	rs10789843	T	C	0.334	0.026	0.278	7.11E-39	-0.032	0.011	0.003	0.044	169.989	TRUE	2.07E-36
Overall asthma	PPP2R1B	cg23026420	rs12272763	T	C	-0.193	0.024	0.370	4.74E-16	0.016	0.011	0.120	0.017	65.865	TRUE	2.47E-15
Overall asthma	PRKAB2	cg00030476	rs1969869	T	G	-0.182	0.026	0.282	4.24E-12	0.026	0.011	0.016	0.013	47.983	TRUE	2.86E-11
Overall asthma	PRKAB2	cg00030476	rs6678588	C	A	-1.053	0.067	0.030	1.87E-55	-0.011	0.030	0.700	0.062	245.930	TRUE	1.51E-53
Overall asthma	PRKAB2	cg04870460	rs11809904	A	G	0.163	0.024	0.373	2.22E-11	-0.007	0.010	0.500	0.012	44.742	TRUE	4.73E-11
Overall asthma	PRKAG2	cg00157109	rs35488759	T	C	-0.315	0.044	0.074	7.18E-13	-0.043	0.018	0.019	0.014	51.466	TRUE	5.36E-12
Overall asthma	PRKAG2	cg00157109	rs4265106	A	G	-0.224	0.027	0.257	7.90E-17	-0.021	0.011	0.056	0.018	69.397	TRUE	6.31E-16
Overall asthma	PRKAG2	cg00157109	rs7795096	C	T	0.245	0.023	0.481	8.17E-26	0.024	0.010	0.012	0.029	110.300	TRUE	2.98E-24
Overall asthma	PRKAG2	cg00491428	rs11771304	A	G	-0.216	0.034	0.140	3.48E-10	-0.003	0.014	0.850	0.011	39.366	TRUE	5.12E-10
Overall asthma	PRKAG2	cg00491428	rs35148810	T	C	-0.284	0.031	0.190	1.97E-20	-0.028	0.012	0.018	0.023	85.773	TRUE	3.26E-19
Overall asthma	PRKAG2	cg00491428	rs3813852	C	T	-1.088	0.027	0.175	<1E-200	-0.017	0.013	0.180	0.309	1657.439	TRUE	<1E-200
Overall asthma	PRKAG2	cg00491428	rs6953067	G	C	0.183	0.029	0.212	1.78E-10	-0.001	0.012	0.940	0.011	40.677	TRUE	2.46E-10
Overall asthma	PRKAG2	cg00491428	rs9648727	T	C	0.300	0.024	0.349	8.40E-35	-0.017	0.010	0.100	0.039	151.358	TRUE	3.53E-33
Overall asthma	PRKAG2	cg01005180	rs1971030	T	C	0.173	0.024	0.413	4.08E-13	-0.006	0.010	0.510	0.014	52.574	TRUE	9.56E-13
Overall asthma	PRKAG2	cg01005180	rs2727553	G	A	0.387	0.023	0.490	4.21E-64	-0.010	0.010	0.290	0.072	285.587	TRUE	3.11E-61
Overall asthma	PRKAG2	cg01005180	rs73158145	G	C	-0.218	0.036	0.124	1.92E-09	0.017	0.015	0.260	0.010	36.034	TRUE	4.72E-09
Overall asthma	PRKAG2	cg01423695	rs140166603	A	G	0.195	0.028	0.215	6.79E-12	0.020	0.011	0.079	0.013	47.063	TRUE	3.14E-11
Overall asthma	PRKAG2	cg01423695	rs9648724	A	G	-0.251	0.027	0.243	1.15E-20	0.001	0.011	0.940	0.023	86.834	TRUE	2.67E-20
Overall asthma	PRKAG2	cg01588379	rs13239239	C	T	0.185	0.025	0.349	7.87E-14	-0.025	0.010	0.015	0.015	55.808	TRUE	7.07E-13
Overall asthma	PRKAG2	cg01588379	rs56308233	A	C	-0.395	0.072	0.027	4.65E-08	0.007	0.030	0.810	0.008	29.841	TRUE	6.43E-08
Overall asthma	PRKAG2	cg01588379	rs6464166	C	T	-0.313	0.030	0.192	1.06E-25	0.012	0.012	0.310	0.029	109.783	TRUE	8.49E-25
Overall asthma	PRKAG2	cg01588379	rs76351165	A	C	-0.732	0.068	0.052	2.64E-27	-0.010	0.020	0.630	0.031	117.103	TRUE	1.42E-26
Overall asthma	PRKAG2	cg03323793	rs10260657	A	G	0.154	0.025	0.319	1.00E-09	0.029	0.010	0.005	0.010	37.301	TRUE	6.97E-09
Overall asthma	PRKAG2	cg03323793	rs11772588	A	C	-0.435	0.032	0.158	5.18E-43	-0.003	0.013	0.820	0.049	188.928	TRUE	8.53E-42
Overall asthma	PRKAG2	cg03567939	rs11768925	G	A	-0.181	0.027	0.273	1.02E-11	0.034	0.011	0.002	0.012	46.263	TRUE	1.04E-10
Overall asthma	PRKAG2	cg03567939	rs118118867	T	C	-0.201	0.028	0.219	8.21E-13	0.014	0.012	0.240	0.014	51.204	TRUE	2.67E-12
Overall asthma	PRKAG2	cg03567939	rs34388354	G	T	0.171	0.030	0.202	1.26E-08	-0.028	0.012	0.018	0.009	32.373	TRUE	5.57E-08
Overall asthma	PRKAG2	cg03567939	rs6464172	A	G	0.547	0.031	0.432	1.97E-70	-0.018	0.010	0.058	0.078	314.622	TRUE	1.43E-66
Overall asthma	PRKAG2	cg03567939	rs9648724	A	G	-0.276	0.027	0.243	1.23E-24	0.001	0.011	0.940	0.028	104.935	TRUE	3.65E-24

Overall asthma	PRKAG2	cg04058799	rs11772588	A	C	-0.453	0.032	0.158	7.23E-47	-0.003	0.013	0.820	0.053	206.583	TRUE	1.78E-45
Overall asthma	PRKAG2	cg04058799	rs1881628	T	G	-0.190	0.030	0.193	3.17E-10	0.006	0.012	0.640	0.011	39.545	TRUE	5.56E-10
Overall asthma	PRKAG2	cg04058799	rs7776530	C	A	0.143	0.025	0.325	1.18E-08	-0.014	0.010	0.180	0.009	32.509	TRUE	3.15E-08
Overall asthma	PRKAG2	cg05807157	rs12703162	T	C	-0.131	0.023	0.431	1.69E-08	-0.001	0.010	0.910	0.009	31.807	TRUE	2.21E-08
Overall asthma	PRKAG2	cg05807157	rs145499729	A	G	0.663	0.082	0.020	7.27E-16	-0.034	0.029	0.250	0.017	65.023	TRUE	3.01E-15
Overall asthma	PRKAG2	cg05807157	rs9969184	G	C	0.271	0.039	0.098	6.63E-12	-0.019	0.016	0.230	0.013	47.109	TRUE	2.04E-11
Overall asthma	PRKAG2	cg05953394	rs112119324	T	C	0.411	0.070	0.048	3.68E-09	-0.011	0.021	0.600	0.009	34.766	TRUE	6.27E-09
Overall asthma	PRKAG2	cg07132038	rs10500202	T	C	0.677	0.067	0.053	9.03E-24	-0.010	0.020	0.630	0.027	100.982	TRUE	3.72E-23
Overall asthma	PRKAG2	cg07132038	rs1881643	C	A	0.166	0.024	0.482	2.98E-12	0.004	0.010	0.710	0.013	48.678	TRUE	5.43E-12
Overall asthma	PRKAG2	cg07132038	rs9690705	G	A	-0.130	0.024	0.435	3.42E-08	-0.037	0.010	1.40E-04	0.008	30.439	TRUE	3.06E-07
Overall asthma	PRKAG2	cg07161146	rs145499729	A	G	-0.674	0.082	0.020	1.39E-16	-0.034	0.029	0.250	0.018	68.280	TRUE	6.10E-16
Overall asthma	PRKAG2	cg07804434	rs140166603	A	G	0.156	0.028	0.215	3.81E-08	0.020	0.011	0.079	0.008	30.227	TRUE	1.22E-07
Overall asthma	PRKAG2	cg07804434	rs1881634	C	T	-0.365	0.042	0.164	6.01E-18	0.005	0.013	0.700	0.020	74.476	TRUE	1.54E-17
Overall asthma	PRKAG2	cg07804434	rs1969558	A	C	0.238	0.034	0.138	2.24E-12	0.006	0.014	0.680	0.013	49.237	TRUE	4.28E-12
Overall asthma	PRKAG2	cg07804434	rs4726102	G	A	0.293	0.037	0.247	5.40E-15	-0.028	0.011	0.009	0.016	61.076	TRUE	5.73E-14
Overall asthma	PRKAG2	cg07804434	rs56922253	T	C	0.324	0.040	0.096	3.33E-16	-0.018	0.016	0.280	0.018	66.560	TRUE	1.37E-15
Overall asthma	PRKAG2	cg07804434	rs62478250	A	G	-0.813	0.021	0.327	<1E-200	-0.013	0.010	0.190	0.286	1484.577	TRUE	2.32E-284
Overall asthma	PRKAG2	cg07804434	rs6464182	T	C	-0.286	0.027	0.264	6.52E-27	-0.028	0.011	0.009	0.030	115.310	TRUE	2.76E-25
Overall asthma	PRKAG2	cg07804434	rs9648727	T	C	-0.461	0.024	0.349	3.76E-82	-0.017	0.010	0.100	0.091	368.408	TRUE	1.59E-77
Overall asthma	PRKAG2	cg08265392	rs2536059	A	G	-0.218	0.023	0.490	7.55E-21	0.000	0.010	1.000	0.023	87.670	TRUE	1.66E-20
Overall asthma	PRKAG2	cg08930413	rs10276297	C	T	0.212	0.025	0.322	2.72E-17	0.029	0.010	0.004	0.019	71.500	TRUE	4.97E-16
Overall asthma	PRKAG2	cg08930413	rs11971243	T	C	-0.707	0.031	0.160	4.06E-117	0.003	0.013	0.800	0.125	528.989	TRUE	1.12E-110
Overall asthma	PRKAG2	cg08930413	rs1881628	T	G	-0.259	0.030	0.193	1.01E-17	0.006	0.012	0.640	0.019	73.460	TRUE	2.74E-17
Overall asthma	PRKAG2	cg08930413	rs6950343	T	C	0.290	0.050	0.057	6.89E-09	-0.010	0.021	0.640	0.009	33.548	TRUE	1.12E-08
Overall asthma	PRKAG2	cg08930413	rs80230353	A	G	-0.513	0.082	0.020	4.71E-10	-0.031	0.029	0.290	0.010	38.772	TRUE	1.17E-09
Overall asthma	PRKAG2	cg09397579	rs4631369	G	A	-0.208	0.032	0.384	1.37E-10	-0.021	0.010	0.036	0.011	41.191	TRUE	6.77E-10
Overall asthma	PRKAG2	cg09397579	rs77307127	T	C	-0.785	0.101	0.024	1.03E-14	-0.002	0.029	0.940	0.016	59.811	TRUE	1.74E-14
Overall asthma	PRKAG2	cg09403494	rs7791936	A	C	0.175	0.025	0.347	8.41E-13	0.015	0.010	0.130	0.014	51.155	TRUE	3.42E-12
Overall asthma	PRKAG2	cg09449988	rs1029947	C	T	-0.478	0.037	0.110	4.91E-38	0.017	0.015	0.270	0.043	166.148	TRUE	1.50E-36
Overall asthma	PRKAG2	cg09449988	rs11771194	A	G	0.211	0.025	0.306	4.29E-17	0.011	0.011	0.280	0.019	70.602	TRUE	1.71E-16
Overall asthma	PRKAG2	cg09449988	rs17134624	A	G	-0.481	0.070	0.032	4.50E-12	0.033	0.031	0.290	0.013	47.866	TRUE	1.29E-11
Overall asthma	PRKAG2	cg09449988	rs1860735	T	C	-0.226	0.038	0.110	1.87E-09	-0.003	0.015	0.830	0.010	36.082	TRUE	2.72E-09
Overall asthma	PRKAG2	cg09449988	rs2538044	T	A	0.263	0.027	0.262	6.86E-23	0.002	0.011	0.850	0.026	96.970	TRUE	2.01E-22
Overall asthma	PRKAG2	cg09449988	rs372442299	A	C	-0.463	0.075	0.024	7.80E-10	0.003	0.028	0.920	0.010	37.788	TRUE	1.07E-09
Overall asthma	PRKAG2	cg09449988	rs4726061	C	T	0.308	0.034	0.144	3.28E-19	-0.015	0.014	0.270	0.021	80.219	TRUE	1.63E-18
Overall asthma	PRKAG2	cg09449988	rs4726070	G	A	-0.696	0.023	0.392	2.74E-204	0.008	0.010	0.430	0.201	929.645	TRUE	1.68E-186
Overall asthma	PRKAG2	cg09449988	rs4726084	A	G	-0.310	0.029	0.205	9.67E-27	0.015	0.012	0.210	0.030	114.530	TRUE	1.09E-25
Overall asthma	PRKAG2	cg09449988	rs77001183	G	T	-0.609	0.095	0.014	1.23E-10	0.000	0.032	0.990	0.011	41.402	TRUE	1.64E-10
Overall asthma	PRKAG2	cg09969528	rs4015360	G	A	-0.150	0.027	0.244	3.17E-08	0.015	0.011	0.170	0.008	30.582	TRUE	8.04E-08
Overall asthma	PRKAG2	cg10363569	rs11976285	G	A	-0.308	0.024	0.420	4.56E-39	0.006	0.010	0.540	0.044	170.871	TRUE	8.27E-38
Overall asthma	PRKAG2	cg10370262	rs869033	C	T	-0.178	0.032	0.144	3.92E-08	-0.007	0.014	0.590	0.008	30.172	TRUE	6.31E-08
Overall asthma	PRKAG2	cg10902667	rs13239239	C	T	0.151	0.025	0.349	7.92E-10	-0.025	0.010	0.015	0.010	37.759	TRUE	4.44E-09

Overall asthma	PRKAG2	cg11718965	rs75674230	A	T	-0.860	0.099	0.011	3.98E-18	-0.001	0.039	0.990	0.020	75.291	TRUE	7.57E-18
Overall asthma	PRKAG2	cg12762399	rs73158122	A	C	-0.242	0.037	0.108	4.76E-11	0.012	0.015	0.440	0.012	43.249	TRUE	1.07E-10
Overall asthma	PRKAG2	cg12835599	rs12533239	T	C	-0.163	0.023	0.434	1.77E-12	0.000	0.010	0.990	0.013	49.697	TRUE	2.56E-12
Overall asthma	PRKAG2	cg12835599	rs6978617	T	C	0.284	0.040	0.093	8.44E-13	-0.013	0.017	0.460	0.014	51.150	TRUE	2.08E-12
Overall asthma	PRKAG2	cg12835599	rs80230353	A	G	0.672	0.081	0.020	8.57E-17	-0.031	0.029	0.290	0.018	69.236	TRUE	3.52E-16
Overall asthma	PRKAG2	cg12978800	rs10278273	C	T	0.290	0.037	0.114	5.74E-15	-0.006	0.015	0.710	0.016	60.955	TRUE	1.22E-14
Overall asthma	PRKAG2	cg12978800	rs1104897	T	C	-0.278	0.032	0.166	4.47E-18	0.021	0.014	0.120	0.020	75.059	TRUE	2.89E-17
Overall asthma	PRKAG2	cg12978800	rs6464164	T	C	0.518	0.023	0.414	1.19E-110	0.007	0.010	0.470	0.119	499.286	TRUE	2.11E-104
Overall asthma	PRKAG2	cg13686795	rs12532554	T	C	-0.225	0.041	0.094	2.94E-08	0.036	0.017	0.035	0.008	30.730	TRUE	1.11E-07
Overall asthma	PRKAG2	cg15453708	rs11766272	A	G	-0.336	0.059	0.113	1.17E-08	-0.029	0.015	0.053	0.009	32.512	TRUE	4.20E-08
Overall asthma	PRKAG2	cg15453708	rs4442045	T	C	0.448	0.030	0.187	1.65E-50	-0.010	0.012	0.410	0.057	223.267	TRUE	1.42E-48
Overall asthma	PRKAG2	cg16391727	rs2429833	T	C	-0.309	0.030	0.182	2.73E-24	0.018	0.013	0.160	0.027	103.347	TRUE	2.81E-23
Overall asthma	PRKAG2	cg16986150	rs12532554	T	C	0.231	0.041	0.094	1.49E-08	0.036	0.017	0.035	0.009	32.043	TRUE	5.84E-08
Overall asthma	PRKAG2	cg16986150	rs6464179	A	G	-0.335	0.041	0.081	3.14E-16	0.005	0.017	0.780	0.018	66.678	TRUE	6.72E-16
Overall asthma	PRKAG2	cg16986150	rs6950348	C	T	-0.145	0.025	0.320	7.42E-09	-0.025	0.010	0.012	0.009	33.403	TRUE	3.69E-08
Overall asthma	PRKAG2	cg16986150	rs7789674	A	G	0.509	0.023	0.436	2.77E-113	-0.018	0.010	0.056	0.121	511.377	TRUE	9.79E-106
Overall asthma	PRKAG2	cg16994041	rs12540943	A	G	0.316	0.045	0.151	1.53E-12	0.000	0.013	0.990	0.013	49.978	TRUE	2.22E-12
Overall asthma	PRKAG2	cg16994041	rs4442045	T	C	0.987	0.026	0.187	4.92E-304	-0.010	0.012	0.410	0.274	1397.543	TRUE	4.40E-270
Overall asthma	PRKAG2	cg16994041	rs58825093	T	C	-0.379	0.027	0.226	2.43E-43	0.020	0.011	0.077	0.049	190.433	TRUE	3.25E-41
Overall asthma	PRKAG2	cg16994041	rs6975104	C	G	-0.177	0.025	0.366	1.05E-12	0.043	0.010	2.90E-05	0.014	50.728	TRUE	2.70E-11
Overall asthma	PRKAG2	cg16994041	rs9648724	A	G	-0.192	0.027	0.243	1.16E-12	0.001	0.011	0.940	0.013	50.530	TRUE	1.77E-12
Overall asthma	PRKAG2	cg17008978	rs10277544	C	T	0.168	0.024	0.449	8.36E-13	0.025	0.010	0.009	0.014	51.168	TRUE	7.03E-12
Overall asthma	PRKAG2	cg17192599	rs13224758	A	G	0.257	0.043	0.158	2.35E-09	0.001	0.013	0.920	0.010	35.643	TRUE	3.18E-09
Overall asthma	PRKAG2	cg17192599	rs58825093	T	C	0.223	0.028	0.226	9.42E-16	0.020	0.011	0.077	0.017	64.514	TRUE	6.31E-15
Overall asthma	PRKAG2	cg17192599	rs9648724	A	G	-0.354	0.027	0.243	8.89E-40	0.001	0.011	0.940	0.045	174.119	TRUE	8.82E-39
Overall asthma	PRKAG2	cg17359198	rs12669420	T	C	0.380	0.058	0.082	7.83E-11	0.035	0.018	0.054	0.011	42.278	TRUE	3.53E-10
Overall asthma	PRKAG2	cg17359198	rs58943536	T	C	-0.256	0.028	0.220	6.68E-20	0.012	0.011	0.290	0.022	83.362	TRUE	3.57E-19
Overall asthma	PRKAG2	cg17359198	rs7789699	C	T	-0.522	0.031	0.496	2.81E-63	-0.005	0.010	0.570	0.071	281.807	TRUE	8.58E-61
Overall asthma	PRKAG2	cg17359198	rs9648724	A	G	0.175	0.027	0.243	1.10E-10	0.001	0.011	0.940	0.011	41.620	TRUE	1.54E-10
Overall asthma	PRKAG2	cg17611936	rs10235949	A	G	-0.906	0.079	0.047	2.76E-30	0.000	0.024	0.990	0.034	130.713	TRUE	1.14E-29
Overall asthma	PRKAG2	cg17611936	rs10265221	C	T	0.369	0.026	0.282	3.92E-46	-0.012	0.011	0.260	0.052	203.220	TRUE	2.83E-44
Overall asthma	PRKAG2	cg17611936	rs112079539	A	T	-0.815	0.116	0.018	2.51E-12	0.058	0.034	0.087	0.013	49.011	TRUE	1.12E-11
Overall asthma	PRKAG2	cg17611936	rs2256079	A	G	0.459	0.023	0.410	1.17E-86	-0.015	0.010	0.120	0.095	389.094	TRUE	8.60E-82
Overall asthma	PRKAG2	cg17611936	rs2727550	G	A	-0.181	0.025	0.329	3.38E-13	0.002	0.010	0.830	0.014	52.946	TRUE	5.85E-13
Overall asthma	PRKAG2	cg17611936	rs2727562	G	A	-1.196	0.018	0.261	<1E-200	0.007	0.011	0.500	0.541	4353.828	TRUE	<1E-200
Overall asthma	PRKAG2	cg17611936	rs4725427	C	T	-0.720	0.104	0.026	5.06E-12	0.046	0.029	0.110	0.013	47.638	TRUE	2.04E-11
Overall asthma	PRKAG2	cg17611936	rs6960717	C	T	-0.304	0.041	0.172	1.60E-13	0.009	0.013	0.490	0.014	54.417	TRUE	3.88E-13
Overall asthma	PRKAG2	cg17611936	rs6965771	T	C	0.202	0.027	0.260	4.40E-14	-0.003	0.011	0.770	0.015	56.950	TRUE	8.39E-14
Overall asthma	PRKAG2	cg17611936	rs7788160	G	T	0.250	0.032	0.379	5.11E-15	-0.004	0.010	0.690	0.016	61.186	TRUE	1.11E-14
Overall asthma	PRKAG2	cg17611936	rs7792110	C	T	-0.223	0.037	0.246	1.22E-09	-0.001	0.012	0.970	0.010	36.923	TRUE	1.60E-09
Overall asthma	PRKAG2	cg17611936	rs79215320	A	G	-0.366	0.038	0.240	1.95E-22	0.008	0.011	0.510	0.025	94.899	TRUE	8.84E-22
Overall asthma	PRKAG2	cg17611936	rs9648723	C	A	-0.238	0.042	0.160	2.01E-08	-0.001	0.013	0.920	0.008	31.468	TRUE	2.61E-08

Overall asthma	PRKAG2	cg18404559	rs73478069	C	A	0.333	0.034	0.142	1.37E-22	-0.018	0.014	0.210	0.025	95.593	TRUE	1.10E-21
Overall asthma	PRKAG2	cg18439339	rs7810022	C	A	0.237	0.025	0.300	5.62E-21	0.008	0.010	0.420	0.023	88.255	TRUE	2.63E-20
Overall asthma	PRKAG2	cg18633230	rs35346765	T	C	-0.221	0.040	0.194	3.86E-08	0.002	0.012	0.850	0.008	30.200	TRUE	5.21E-08
Overall asthma	PRKAG2	cg18649198	rs9632641	C	A	0.302	0.040	0.205	2.74E-14	0.000	0.012	0.980	0.015	57.883	TRUE	4.33E-14
Overall asthma	PRKAG2	cg19412964	rs11771194	A	G	0.218	0.025	0.306	3.21E-18	0.011	0.011	0.280	0.020	75.713	TRUE	1.39E-17
Overall asthma	PRKAG2	cg19412964	rs1860735	T	C	-0.248	0.038	0.110	4.00E-11	-0.003	0.015	0.830	0.012	43.591	TRUE	6.26E-11
Overall asthma	PRKAG2	cg19412964	rs2538044	T	A	0.216	0.027	0.262	7.21E-16	0.002	0.011	0.850	0.017	65.040	TRUE	1.39E-15
Overall asthma	PRKAG2	cg19412964	rs372442299	A	C	-0.457	0.075	0.024	1.27E-09	0.003	0.028	0.920	0.010	36.840	TRUE	1.73E-09
Overall asthma	PRKAG2	cg19412964	rs4726070	G	A	-0.704	0.023	0.392	2.81E-209	0.008	0.010	0.430	0.205	952.588	TRUE	9.84E-191
Overall asthma	PRKAG2	cg19412964	rs4726084	A	G	-0.292	0.029	0.205	5.32E-24	0.015	0.012	0.210	0.027	102.029	TRUE	4.67E-23
Overall asthma	PRKAG2	cg19412964	rs6963512	G	A	-0.492	0.040	0.094	3.90E-35	0.000	0.016	0.990	0.040	152.880	TRUE	2.39E-34
Overall asthma	PRKAG2	cg19412964	rs7456798	C	A	0.189	0.023	0.498	5.80E-16	0.002	0.010	0.860	0.017	65.470	TRUE	1.12E-15
Overall asthma	PRKAG2	cg19412964	rs77001183	G	T	-0.575	0.095	0.014	1.20E-09	0.000	0.032	0.990	0.010	36.950	TRUE	1.55E-09
Overall asthma	PRKAG2	cg19412964	rs9801653	A	C	0.364	0.034	0.145	1.69E-26	-0.015	0.014	0.290	0.030	113.420	TRUE	1.56E-25
Overall asthma	PRKAG2	cg20269607	rs7789699	C	T	-0.182	0.032	0.496	8.79E-09	-0.005	0.010	0.570	0.009	33.075	TRUE	1.50E-08
Overall asthma	PRKAG2	cg20972917	rs74882587	T	C	0.193	0.034	0.148	1.17E-08	-0.014	0.014	0.300	0.009	32.518	TRUE	2.52E-08
Overall asthma	PRKAG2	cg21764708	rs11766272	A	G	-0.336	0.059	0.113	1.20E-08	-0.029	0.015	0.053	0.009	32.471	TRUE	4.29E-08
Overall asthma	PRKAG2	cg21764708	rs4442045	T	C	0.493	0.030	0.187	4.94E-61	-0.010	0.012	0.410	0.068	271.510	TRUE	1.67E-58
Overall asthma	PRKAG2	cg22513396	rs2536091	A	C	-0.188	0.023	0.408	7.34E-16	0.014	0.010	0.160	0.017	65.005	TRUE	3.65E-15
Overall asthma	PRKAG2	cg22615330	rs118118867	T	C	0.281	0.028	0.219	8.32E-24	0.014	0.012	0.240	0.027	101.143	TRUE	6.64E-23
Overall asthma	PRKAG2	cg22615330	rs9648724	A	G	-0.387	0.027	0.243	1.24E-47	0.001	0.011	0.940	0.054	210.084	TRUE	2.69E-46
Overall asthma	PRKAG2	cg23151649	rs10278273	C	T	-0.263	0.037	0.114	1.73E-12	-0.006	0.015	0.710	0.013	49.737	TRUE	3.21E-12
Overall asthma	PRKAG2	cg23151649	rs112113536	C	G	0.300	0.041	0.093	1.30E-13	0.016	0.017	0.350	0.015	54.819	TRUE	3.84E-13
Overall asthma	PRKAG2	cg23151649	rs11983465	G	C	0.399	0.025	0.323	9.50E-58	-0.019	0.011	0.076	0.065	256.453	TRUE	7.84E-55
Overall asthma	PRKAG2	cg23151649	rs12669379	C	T	0.492	0.067	0.065	1.47E-13	-0.039	0.021	0.060	0.015	54.582	TRUE	8.19E-13
Overall asthma	PRKAG2	cg23151649	rs2727552	C	T	0.977	0.023	0.465	<1E-200	-0.007	0.010	0.460	0.321	1749.754	TRUE	<1E-200
Overall asthma	PRKAG2	cg23151649	rs6978479	A	G	-0.503	0.091	0.033	3.39E-08	0.039	0.026	0.130	0.008	30.455	TRUE	9.20E-08
Overall asthma	PRKAG2	cg23351327	rs76351165	A	C	-0.427	0.068	0.052	2.81E-10	-0.010	0.020	0.630	0.011	39.781	TRUE	4.94E-10
Overall asthma	PRKAG2	cg26284782	rs10260657	A	G	-0.147	0.025	0.319	4.79E-09	0.029	0.010	0.005	0.009	34.254	TRUE	3.04E-08
Overall asthma	PRKAG2	cg26284782	rs4726101	G	A	-0.294	0.023	0.497	7.02E-37	0.028	0.010	0.004	0.042	160.861	TRUE	1.52E-34
Overall asthma	PRKAG2	cg26482626	rs2374307	T	G	0.159	0.024	0.466	1.34E-11	0.007	0.010	0.470	0.012	45.724	TRUE	3.00E-11
Overall asthma	PRKAG2	cg26673980	rs4442045	T	C	0.552	0.030	0.187	5.44E-77	-0.010	0.012	0.410	0.085	344.721	TRUE	2.06E-73
Overall asthma	PRKCA	cg01160079	rs77210355	A	G	0.359	0.050	0.057	1.01E-12	0.028	0.021	0.190	0.014	50.805	TRUE	3.63E-12
Overall asthma	PRKCA	cg01895374	rs57007285	A	C	-0.239	0.043	0.077	3.07E-08	-0.032	0.018	0.075	0.008	30.646	TRUE	9.68E-08
Overall asthma	PRKCA	cg01895374	rs7220127	C	T	-0.196	0.024	0.420	1.62E-16	0.019	0.010	0.046	0.018	67.980	TRUE	1.30E-15
Overall asthma	PRKCA	cg01895374	rs72846612	C	T	-0.293	0.051	0.056	7.12E-09	0.012	0.020	0.540	0.009	33.483	TRUE	1.25E-08
Overall asthma	PRKCA	cg01895374	rs80075063	T	C	-0.882	0.054	0.047	5.26E-59	-0.009	0.022	0.660	0.066	262.212	TRUE	7.27E-57
Overall asthma	PRKCA	cg01895374	rs9902819	G	A	-0.326	0.052	0.058	4.65E-10	0.037	0.019	0.058	0.010	38.797	TRUE	1.94E-09
Overall asthma	PRKCA	cg02110273	rs28733563	A	G	0.243	0.027	0.258	6.20E-19	-0.027	0.011	0.015	0.021	78.962	TRUE	9.60E-18
Overall asthma	PRKCA	cg02110273	rs7220911	A	G	0.338	0.023	0.441	1.08E-47	-0.005	0.010	0.590	0.054	210.361	TRUE	4.42E-46
Overall asthma	PRKCA	cg02110273	rs9904322	G	C	1.004	0.039	0.092	2.25E-143	-0.016	0.017	0.360	0.149	649.631	TRUE	1.67E-133
Overall asthma	PRKCA	cg04124740	rs8075066	A	G	-0.177	0.026	0.281	5.05E-12	0.001	0.011	0.900	0.013	47.640	TRUE	7.76E-12

Overall asthma	PRKCA	cg04658038	rs9635753	T	G	-0.132	0.024	0.479	2.32E-08	0.011	0.010	0.240	0.008	31.189	TRUE	5.33E-08
Overall asthma	PRKCA	cg04733951	rs11656279	C	T	0.402	0.053	0.050	2.51E-14	-0.027	0.022	0.210	0.015	58.054	TRUE	9.58E-14
Overall asthma	PRKCA	cg04733951	rs72845904	T	C	-0.334	0.043	0.079	8.24E-15	0.012	0.017	0.510	0.016	60.244	TRUE	2.22E-14
Overall asthma	PRKCA	cg04955246	rs9635753	T	G	-0.140	0.023	0.479	1.93E-09	0.011	0.010	0.240	0.010	36.022	TRUE	4.82E-09
Overall asthma	PRKCA	cg06940168	rs11651796	A	G	-1.184	0.031	0.124	<1E-200	-0.005	0.015	0.740	0.285	1473.092	TRUE	7.88E-284
Overall asthma	PRKCA	cg06940168	rs148334661	T	G	-1.048	0.172	0.010	1.15E-09	0.019	0.040	0.630	0.010	37.039	TRUE	1.95E-09
Overall asthma	PRKCA	cg06940168	rs4365321	C	T	-0.345	0.033	0.138	4.74E-25	-0.018	0.014	0.180	0.028	106.818	TRUE	4.74E-24
Overall asthma	PRKCA	cg06940168	rs4790911	T	C	0.573	0.043	0.078	6.04E-40	0.009	0.017	0.590	0.045	174.889	TRUE	1.08E-38
Overall asthma	PRKCA	cg06940168	rs4791140	T	C	-0.191	0.035	0.129	3.06E-08	0.028	0.014	0.055	0.008	30.655	TRUE	1.08E-07
Overall asthma	PRKCA	cg06940168	rs67454054	T	C	-0.159	0.027	0.259	2.16E-09	-0.025	0.011	0.023	0.010	35.804	TRUE	1.01E-08
Overall asthma	PRKCA	cg06940168	rs7212476	A	G	-0.666	0.078	0.021	1.82E-17	0.031	0.036	0.400	0.019	72.288	TRUE	6.67E-17
Overall asthma	PRKCA	cg06940168	rs7222499	C	T	0.235	0.032	0.160	1.18E-13	0.024	0.013	0.065	0.015	55.015	TRUE	6.58E-13
Overall asthma	PRKCA	cg06940168	rs9891416	C	A	-0.200	0.025	0.335	3.91E-16	0.003	0.010	0.750	0.018	66.244	TRUE	8.61E-16
Overall asthma	PRKCA	cg09645572	rs72838297	G	C	-0.252	0.034	0.136	6.00E-14	0.027	0.014	0.044	0.015	56.340	TRUE	3.66E-13
Overall asthma	PRKCA	cg11758458	rs17686174	A	G	0.153	0.028	0.230	4.01E-08	0.005	0.011	0.670	0.008	30.128	TRUE	6.19E-08
Overall asthma	PRKCA	cg11803392	rs9910301	C	A	0.168	0.024	0.364	2.47E-12	0.015	0.010	0.130	0.013	49.045	TRUE	9.64E-12
Overall asthma	PRKCA	cg12124094	rs34251715	G	A	0.144	0.025	0.313	8.64E-09	0.003	0.010	0.780	0.009	33.107	TRUE	1.27E-08
Overall asthma	PRKCA	cg12124094	rs3859214	T	G	-0.148	0.024	0.409	4.34E-10	0.012	0.010	0.210	0.010	38.932	TRUE	1.18E-09
Overall asthma	PRKCA	cg12124094	rs7212887	A	G	0.194	0.034	0.143	7.40E-09	-0.007	0.014	0.640	0.009	33.408	TRUE	1.20E-08
Overall asthma	PRKCA	cg12124094	rs7222613	A	G	0.327	0.042	0.090	3.88E-15	0.001	0.018	0.960	0.016	61.727	TRUE	6.50E-15
Overall asthma	PRKCA	cg12124094	rs73333222	A	G	0.225	0.034	0.137	4.90E-11	0.025	0.014	0.083	0.012	43.192	TRUE	2.04E-10
Overall asthma	PRKCA	cg12124094	rs78826186	C	T	0.452	0.050	0.064	8.73E-20	0.008	0.020	0.680	0.022	82.833	TRUE	2.56E-19
Overall asthma	PRKCA	cg12124094	rs80163898	T	G	1.435	0.061	0.043	2.85E-124	-0.021	0.027	0.430	0.132	561.853	TRUE	1.23E-116
Overall asthma	PRKCA	cg12124094	rs8075066	A	G	0.257	0.026	0.281	1.97E-23	0.001	0.011	0.900	0.026	99.435	TRUE	5.69E-23
Overall asthma	PRKCA	cg12198934	rs12051710	T	C	-0.476	0.034	0.128	2.93E-43	-0.004	0.015	0.790	0.049	190.061	TRUE	5.10E-42
Overall asthma	PRKCA	cg12198934	rs148334661	T	G	-1.013	0.172	0.010	4.11E-09	0.019	0.040	0.630	0.009	34.551	TRUE	6.79E-09
Overall asthma	PRKCA	cg12467435	rs28617608	A	C	-0.144	0.024	0.408	1.61E-09	0.003	0.010	0.750	0.010	36.374	TRUE	2.49E-09
Overall asthma	PRKCA	cg12467435	rs4791057	C	G	-0.327	0.059	0.043	2.65E-08	-0.033	0.024	0.160	0.008	30.930	TRUE	6.80E-08
Overall asthma	PRKCA	cg12467435	rs9635753	T	G	-0.199	0.024	0.479	2.25E-17	0.011	0.010	0.240	0.019	71.869	TRUE	1.04E-16
Overall asthma	PRKCA	cg12743970	rs1005651	C	A	0.178	0.025	0.335	4.83E-13	-0.029	0.010	0.005	0.014	52.244	TRUE	5.19E-12
Overall asthma	PRKCA	cg12743970	rs144509105	A	G	-0.723	0.122	0.019	3.55E-09	0.005	0.038	0.900	0.009	34.836	TRUE	4.81E-09
Overall asthma	PRKCA	cg12743970	rs2361486	T	C	-0.586	0.031	0.158	2.87E-81	0.024	0.013	0.072	0.090	364.355	TRUE	1.34E-76
Overall asthma	PRKCA	cg12743970	rs72848633	T	C	-0.142	0.026	0.296	2.93E-08	0.024	0.011	0.022	0.008	30.738	TRUE	1.14E-07
Overall asthma	PRKCA	cg12743970	rs9972974	T	C	-0.351	0.055	0.046	1.25E-10	-0.002	0.022	0.930	0.011	41.358	TRUE	1.76E-10
Overall asthma	PRKCA	cg14121185	rs10491204	C	T	-0.277	0.031	0.166	1.18E-18	-0.018	0.013	0.170	0.021	77.682	TRUE	7.33E-18
Overall asthma	PRKCA	cg14121185	rs11656279	C	T	-0.462	0.054	0.050	7.13E-18	-0.027	0.022	0.210	0.020	74.140	TRUE	3.63E-17
Overall asthma	PRKCA	cg14121185	rs16959791	T	A	-0.279	0.041	0.089	8.14E-12	-0.031	0.017	0.064	0.012	46.707	TRUE	3.75E-11
Overall asthma	PRKCA	cg14121185	rs4791058	A	C	-0.457	0.024	0.359	8.71E-82	-0.032	0.010	0.002	0.090	366.734	TRUE	4.94E-76
Overall asthma	PRKCA	cg14121185	rs72848633	T	C	0.159	0.026	0.296	7.06E-10	0.024	0.011	0.022	0.010	37.983	TRUE	3.31E-09
Overall asthma	PRKCA	cg14121185	rs75193114	T	C	0.434	0.077	0.020	1.81E-08	0.019	0.030	0.540	0.008	31.677	TRUE	3.14E-08
Overall asthma	PRKCA	cg14121185	rs79525201	G	A	0.725	0.031	0.149	1.59E-117	0.027	0.013	0.045	0.126	530.863	TRUE	2.31E-109
Overall asthma	PRKCA	cg14121185	rs973753	C	T	0.233	0.032	0.157	6.74E-13	0.011	0.013	0.390	0.014	51.592	TRUE	1.77E-12

Overall asthma	PRKCA	cg14121185	rs9895770	T	G	-0.186	0.027	0.236	1.22E-11	-0.002	0.011	0.840	0.012	45.912	TRUE	1.93E-11
Overall asthma	PRKCA	cg14648237	rs740930	T	C	0.825	0.042	0.080	8.81E-85	0.013	0.017	0.450	0.093	380.484	TRUE	1.10E-80
Overall asthma	PRKCA	cg15519474	rs1113843	C	T	-0.149	0.023	0.452	1.97E-10	-0.012	0.010	0.220	0.011	40.475	TRUE	5.60E-10
Overall asthma	PRKCA	cg15519474	rs12450534	A	G	0.276	0.027	0.243	3.37E-24	0.024	0.011	0.036	0.027	102.935	TRUE	7.32E-23
Overall asthma	PRKCA	cg15519474	rs142395143	T	C	-0.207	0.029	0.219	5.04E-13	-0.021	0.012	0.074	0.014	52.161	TRUE	2.48E-12
Overall asthma	PRKCA	cg15519474	rs185019895	A	G	0.416	0.061	0.044	8.84E-12	0.007	0.023	0.760	0.012	46.545	TRUE	1.50E-11
Overall asthma	PRKCA	cg15519474	rs35814799	A	G	0.429	0.026	0.245	5.00E-59	0.025	0.011	0.026	0.066	262.313	TRUE	1.14E-55
Overall asthma	PRKCA	cg15519474	rs35974774	G	T	0.357	0.054	0.048	4.99E-11	-0.028	0.022	0.200	0.012	43.157	TRUE	1.51E-10
Overall asthma	PRKCA	cg15519474	rs6504406	C	T	0.228	0.027	0.228	6.28E-17	0.043	0.011	1.40E-04	0.019	69.848	TRUE	2.39E-15
Overall asthma	PRKCA	cg15519474	rs8178823	C	A	0.219	0.040	0.094	3.40E-08	0.025	0.017	0.120	0.008	30.447	TRUE	9.09E-08
Overall asthma	PRKCA	cg15519474	rs9909243	A	T	-0.210	0.027	0.236	2.10E-14	-0.014	0.011	0.220	0.016	58.407	TRUE	8.33E-14
Overall asthma	PRKCA	cg17069533	rs9635753	T	G	-0.138	0.024	0.479	4.89E-09	0.011	0.010	0.240	0.009	34.213	TRUE	1.18E-08
Overall asthma	PRKCA	cg17202839	rs72848633	T	C	0.240	0.026	0.296	4.32E-21	0.024	0.011	0.022	0.023	88.775	TRUE	6.71E-20
Overall asthma	PRKCA	cg17202839	rs77748014	A	G	-0.352	0.064	0.063	4.50E-08	-0.032	0.019	0.098	0.008	29.903	TRUE	1.33E-07
Overall asthma	PRKCA	cg17799599	rs16960228	A	G	-1.003	0.053	0.050	8.35E-80	0.005	0.021	0.820	0.088	357.640	TRUE	1.72E-76
Overall asthma	PRKCA	cg17799599	rs67379314	A	G	-0.203	0.030	0.184	2.04E-11	0.020	0.012	0.095	0.012	44.903	TRUE	8.20E-11
Overall asthma	PRKCA	cg17799599	rs8082274	C	G	-0.154	0.025	0.334	5.24E-10	0.001	0.010	0.960	0.010	38.565	TRUE	7.04E-10
Overall asthma	PRKCA	cg17846122	rs2138004	A	G	0.245	0.032	0.150	2.95E-14	0.030	0.013	0.025	0.015	57.734	TRUE	2.43E-13
Overall asthma	PRKCA	cg17846122	rs8066294	C	T	-0.197	0.028	0.218	1.55E-12	0.035	0.012	0.003	0.013	49.952	TRUE	1.58E-11
Overall asthma	PRKCA	cg18950779	rs1010545	C	T	0.661	0.023	0.364	4.03E-177	0.012	0.010	0.240	0.179	804.750	TRUE	9.72E-163
Overall asthma	PRKCA	cg18950779	rs117353888	G	A	0.365	0.049	0.056	1.45E-13	0.027	0.019	0.140	0.015	54.608	TRUE	5.96E-13
Overall asthma	PRKCA	cg18950779	rs146981159	A	G	0.450	0.046	0.072	6.98E-23	0.011	0.019	0.560	0.026	96.935	TRUE	2.97E-22
Overall asthma	PRKCA	cg18950779	rs3896085	T	C	-0.167	0.026	0.281	1.91E-10	0.010	0.011	0.350	0.011	40.538	TRUE	4.39E-10
Overall asthma	PRKCA	cg18950779	rs62071757	G	A	0.317	0.041	0.089	6.88E-15	-0.011	0.017	0.540	0.016	60.601	TRUE	1.79E-14
Overall asthma	PRKCA	cg18950779	rs67379314	A	G	0.290	0.030	0.184	1.13E-21	0.020	0.012	0.095	0.024	91.434	TRUE	1.17E-20
Overall asthma	PRKCA	cg18950779	rs67509148	A	T	-0.235	0.040	0.189	3.23E-09	0.005	0.012	0.700	0.009	35.021	TRUE	5.12E-09
Overall asthma	PRKCA	cg18950779	rs73996407	T	C	0.300	0.054	0.051	2.45E-08	-0.002	0.022	0.930	0.008	31.082	TRUE	3.14E-08
Overall asthma	PRKCA	cg18950779	rs960611	T	C	-0.342	0.023	0.499	1.91E-49	-0.008	0.010	0.420	0.056	218.392	TRUE	1.38E-47
Overall asthma	PRKCA	cg18950779	rs9892651	C	T	0.180	0.024	0.423	5.49E-14	-0.020	0.010	0.036	0.015	56.517	TRUE	3.69E-13
Overall asthma	PRKCA	cg18950779	rs9899742	T	C	0.166	0.023	0.497	1.39E-12	0.010	0.010	0.280	0.013	50.177	TRUE	4.09E-12
Overall asthma	PRKCA	cg20152382	rs35105653	A	G	0.180	0.024	0.398	4.71E-14	-0.029	0.010	0.003	0.015	56.818	TRUE	5.99E-13
Overall asthma	PRKCA	cg22632947	rs67379314	A	G	0.190	0.030	0.184	4.25E-10	0.020	0.012	0.095	0.010	38.973	TRUE	1.51E-09
Overall asthma	PRKCA	cg22632947	rs8074995	A	G	-0.205	0.034	0.139	1.04E-09	0.015	0.013	0.250	0.010	37.221	TRUE	2.65E-09
Overall asthma	PRKCA	cg22632947	rs9915231	G	A	1.167	0.052	0.051	1.68E-109	0.005	0.021	0.810	0.118	494.005	TRUE	8.69E-104
Overall asthma	PRKCA	cg24171047	rs76819749	C	A	-0.754	0.061	0.037	1.62E-35	0.030	0.026	0.260	0.040	154.633	TRUE	3.89E-34
Overall asthma	PRKCA	cg25134567	rs35499077	C	T	-0.167	0.024	0.384	3.82E-12	0.023	0.010	0.021	0.013	48.186	TRUE	2.56E-11
Overall asthma	PRKCA	cg25134567	rs8072195	T	C	-0.225	0.040	0.092	2.59E-08	0.003	0.017	0.850	0.008	30.979	TRUE	3.52E-08
Overall asthma	PRKCA	cg25228562	rs28733563	A	G	-0.159	0.027	0.258	4.28E-09	-0.027	0.011	0.015	0.009	34.475	TRUE	2.14E-08
Overall asthma	PRKCA	cg25228562	rs3803822	C	T	-0.222	0.023	0.395	3.12E-21	-0.010	0.010	0.320	0.024	89.416	TRUE	1.72E-20
Overall asthma	PRKCA	cg25228562	rs4630584	T	A	0.305	0.024	0.370	1.86E-37	-0.003	0.010	0.790	0.042	163.496	TRUE	1.87E-36
Overall asthma	PRKCA	cg25649039	rs4556826	G	A	0.132	0.024	0.338	4.73E-08	0.008	0.010	0.410	0.008	29.810	TRUE	8.86E-08
Overall asthma	PRKCA	cg25909396	rs11658025	G	A	0.425	0.027	0.243	3.70E-57	0.024	0.011	0.029	0.064	253.744	TRUE	5.52E-54

Overall asthma	PRKCA	cg25909396	rs116873022	G	A	0.453	0.059	0.045	1.88E-14	0.013	0.023	0.580	0.016	58.623	TRUE	4.47E-14
Overall asthma	PRKCA	cg25909396	rs142395143	T	C	-0.167	0.029	0.219	6.83E-09	-0.021	0.012	0.074	0.009	33.563	TRUE	2.27E-08
Overall asthma	PRKCA	cg25909396	rs4791049	T	C	0.260	0.043	0.079	1.24E-09	-0.015	0.018	0.380	0.010	36.879	TRUE	2.61E-09
Overall asthma	PRKCA	cg25909396	rs62072561	A	G	-0.202	0.028	0.237	2.52E-13	-0.010	0.011	0.360	0.014	53.523	TRUE	7.11E-13
Overall asthma	PRKCA	cg25909396	rs7216080	G	A	-0.132	0.023	0.456	1.90E-08	0.002	0.010	0.860	0.008	31.572	TRUE	2.57E-08
Overall asthma	PRKCA	cg26389955	rs75943832	C	T	-0.508	0.045	0.072	1.37E-29	0.010	0.019	0.600	0.033	127.540	TRUE	9.23E-29
Overall asthma	PRKCA	cg26450228	rs13341435	A	G	0.486	0.053	0.048	2.29E-20	-0.005	0.022	0.810	0.023	85.478	TRUE	6.03E-20
Overall asthma	PRKCA	cg26450228	rs16959062	G	A	0.203	0.031	0.162	9.16E-11	-0.016	0.013	0.240	0.011	41.969	TRUE	2.65E-10
Overall asthma	PRKCA	cg26450228	rs16959526	A	G	0.368	0.032	0.148	4.00E-30	0.027	0.013	0.043	0.034	129.976	TRUE	1.51E-28
Overall asthma	PRKCA	cg26450228	rs17634425	G	A	0.329	0.044	0.075	7.71E-14	-0.005	0.018	0.790	0.015	55.847	TRUE	1.42E-13
Overall asthma	PRKCA	cg26450228	rs1833349	A	G	0.135	0.023	0.433	1.01E-08	-0.004	0.010	0.710	0.009	32.803	TRUE	1.55E-08
Overall asthma	PRKCA	cg26450228	rs7210846	A	G	0.147	0.024	0.480	4.87E-10	0.012	0.010	0.220	0.010	38.708	TRUE	1.35E-09
Overall asthma	PRKCA	cg26450228	rs7220836	C	T	0.167	0.028	0.234	1.41E-09	0.012	0.011	0.300	0.010	36.633	TRUE	3.42E-09
Overall asthma	PRKCA	cg26450228	rs8066294	C	T	-0.260	0.028	0.218	1.42E-20	0.035	0.012	0.003	0.023	86.416	TRUE	3.96E-19
Overall asthma	PRKCA	cg26450228	rs9896134	C	T	-0.235	0.027	0.260	3.07E-18	-0.007	0.011	0.520	0.020	75.806	TRUE	9.86E-18
Overall asthma	PRKCA	cg26726141	rs117790450	T	C	0.462	0.057	0.038	9.87E-16	-0.021	0.023	0.350	0.017	64.422	TRUE	3.32E-15
Overall asthma	PRKCA	cg26726141	rs16959062	G	A	0.182	0.031	0.162	5.91E-09	-0.016	0.013	0.240	0.009	33.846	TRUE	1.48E-08
Overall asthma	PRKCA	cg26726141	rs17686425	A	G	-0.261	0.026	0.273	2.82E-23	-0.017	0.011	0.120	0.026	98.730	TRUE	3.06E-22
Overall asthma	PRKCA	cg26726141	rs17688050	G	A	0.229	0.028	0.213	5.03E-16	0.024	0.011	0.038	0.017	65.750	TRUE	4.56E-15
Overall asthma	PRKCA	cg26726141	rs7215107	G	A	-0.134	0.024	0.476	1.43E-08	0.009	0.010	0.340	0.009	32.135	TRUE	2.98E-08
Overall asthma	PRKCA	cg26726141	rs8066294	C	T	-0.229	0.028	0.218	2.49E-16	0.035	0.012	0.003	0.018	67.132	TRUE	4.10E-15
Overall asthma	PRKCA	cg26726141	rs956952	A	C	0.391	0.032	0.150	4.92E-34	0.029	0.013	0.033	0.038	147.847	TRUE	3.47E-32
Overall asthma	PRKCA	cg26726141	rs973753	C	T	0.227	0.032	0.157	2.29E-12	0.011	0.013	0.390	0.013	49.188	TRUE	5.81E-12
Overall asthma	PRKCA	cg27019712	rs10491204	C	T	0.186	0.031	0.166	3.33E-09	-0.018	0.013	0.170	0.009	34.962	TRUE	9.27E-09
Overall asthma	PRKCA	cg27019712	rs2227857	A	G	-0.207	0.024	0.363	1.73E-17	0.012	0.010	0.210	0.019	72.396	TRUE	8.32E-17
Overall asthma	PRKCA	cg27019712	rs34251715	G	A	0.181	0.025	0.313	2.87E-13	0.003	0.010	0.780	0.014	53.265	TRUE	5.24E-13
Overall asthma	PRKCA	cg27019712	rs57007285	A	C	-0.317	0.043	0.077	1.86E-13	-0.032	0.018	0.075	0.014	54.119	TRUE	9.72E-13
Overall asthma	PRKCA	cg27019712	rs7210247	T	C	-0.302	0.043	0.082	1.43E-12	0.010	0.018	0.570	0.013	50.120	TRUE	3.01E-12
Overall asthma	PRKCA	cg27019712	rs73996407	T	C	-0.538	0.053	0.051	5.71E-24	-0.002	0.022	0.930	0.027	101.890	TRUE	1.63E-23
Overall asthma	PRKCA	cg27019712	rs79114493	T	A	-0.367	0.053	0.050	6.23E-12	0.019	0.021	0.380	0.013	47.230	TRUE	1.59E-11
Overall asthma	PRKCA	cg27019712	rs9895850	T	C	-0.378	0.055	0.047	7.71E-12	-0.007	0.022	0.750	0.012	46.812	TRUE	1.32E-11
Overall asthma	PRKCA	cg27019712	rs9896134	C	T	-0.800	0.024	0.260	2.07E-251	-0.007	0.011	0.520	0.237	1146.327	TRUE	4.06E-226
Overall asthma	PRKD1	cg10077239	rs10136137	A	G	0.143	0.024	0.414	1.67E-09	0.013	0.010	0.200	0.010	36.308	TRUE	4.61E-09
Overall asthma	PRKD1	cg10077239	rs11626226	C	T	0.323	0.056	0.047	7.15E-09	0.043	0.022	0.058	0.009	33.474	TRUE	2.65E-08
Overall asthma	PRKD1	cg13732130	rs55893141	T	A	-0.150	0.024	0.377	2.46E-10	-0.007	0.010	0.460	0.011	40.038	TRUE	5.13E-10
Overall asthma	PRKD1	cg13732130	rs72675586	A	G	-0.727	0.121	0.014	1.74E-09	0.065	0.040	0.110	0.010	36.226	TRUE	5.69E-09
Overall asthma	PRKD1	cg13732130	rs73243906	G	A	-0.359	0.055	0.050	4.95E-11	0.047	0.022	0.034	0.012	43.174	TRUE	2.56E-10
Overall asthma	PRKD1	cg13732130	rs74040636	T	C	-1.270	0.061	0.037	1.57E-97	0.075	0.026	0.004	0.106	439.018	TRUE	1.28E-90
Overall asthma	PRKD1	cg13732130	rs75043161	G	A	-0.626	0.081	0.020	1.53E-14	-0.015	0.034	0.660	0.016	59.023	TRUE	3.35E-14
Overall asthma	PRKD1	cg15490801	rs138940224	C	A	0.413	0.059	0.048	1.81E-12	-0.036	0.023	0.120	0.013	49.648	TRUE	7.49E-12
Overall asthma	PRKD1	cg15490801	rs2093471	A	G	-0.152	0.025	0.334	8.12E-10	-0.007	0.010	0.480	0.010	37.712	TRUE	1.60E-09
Overall asthma	PRODH	cg03407228	rs117377762	A	G	-0.328	0.057	0.046	8.92E-09	-0.014	0.023	0.540	0.009	33.045	TRUE	1.56E-08

Overall asthma	PRODH	cg03407228	rs2041781	A	T	0.265	0.024	0.398	1.09E-28	0.004	0.010	0.660	0.032	123.414	TRUE	6.36E-28
Overall asthma	PRODH	cg03407228	rs2800987	A	G	0.152	0.027	0.256	1.40E-08	0.005	0.011	0.620	0.009	32.173	TRUE	2.27E-08
Overall asthma	PRODH	cg11438552	rs141373695	A	G	0.507	0.072	0.029	2.46E-12	0.036	0.028	0.200	0.013	49.050	TRUE	8.34E-12
Overall asthma	PRODH	cg11438552	rs17810548	T	C	0.209	0.034	0.136	1.04E-09	0.019	0.014	0.160	0.010	37.231	TRUE	2.97E-09
Overall asthma	PRODH	cg11438552	rs2540638	G	A	-0.135	0.023	0.499	7.58E-09	-0.009	0.010	0.360	0.009	33.362	TRUE	1.58E-08
Overall asthma	PRODH	cg11438552	rs2540656	T	C	-0.399	0.037	0.112	5.22E-27	-0.004	0.015	0.780	0.030	115.752	TRUE	2.25E-26
Overall asthma	PRODH	cg11438552	rs5993444	C	A	-0.474	0.024	0.318	2.25E-84	-0.009	0.010	0.400	0.093	378.613	TRUE	3.12E-80
Overall asthma	PRODH	cg11438552	rs715535	A	G	-0.337	0.041	0.088	1.74E-16	-0.021	0.017	0.220	0.018	67.845	TRUE	7.93E-16
Overall asthma	PRODH	cg12512005	rs5747949	T	A	-0.137	0.024	0.409	1.03E-08	0.003	0.010	0.750	0.009	32.774	TRUE	1.52E-08
Overall asthma	PRODH	cg17283826	rs117377762	A	G	-0.359	0.057	0.046	2.78E-10	-0.014	0.023	0.540	0.011	39.802	TRUE	5.30E-10
Overall asthma	PRODH	cg17283826	rs2540638	G	A	-0.145	0.023	0.499	5.28E-10	-0.009	0.010	0.360	0.010	38.550	TRUE	1.19E-09
Overall asthma	PRODH	cg17283826	rs3815655	A	G	0.403	0.040	0.095	2.22E-23	0.035	0.019	0.074	0.026	99.202	TRUE	3.21E-22
Overall asthma	QSOX1	cg03396826	rs10913951	C	G	0.168	0.026	0.298	9.13E-11	0.005	0.011	0.660	0.011	41.977	TRUE	1.60E-10
Overall asthma	QSOX1	cg03396826	rs149231156	A	C	0.475	0.087	0.021	4.99E-08	0.053	0.035	0.130	0.008	29.703	TRUE	1.35E-07
Overall asthma	QSOX1	cg03396826	rs151265391	T	C	0.681	0.116	0.011	3.85E-09	0.027	0.041	0.520	0.009	34.679	TRUE	7.07E-09
Overall asthma	QSOX1	cg03396826	rs200951183	C	A	0.375	0.063	0.038	2.80E-09	0.035	0.026	0.180	0.009	35.302	TRUE	7.66E-09
Overall asthma	QSOX1	cg03396826	rs60927554	G	A	0.640	0.099	0.014	1.29E-10	0.048	0.041	0.240	0.011	41.307	TRUE	3.54E-10
Overall asthma	QSOX1	cg03396826	rs61828295	A	T	-0.544	0.032	0.163	1.99E-65	-0.031	0.013	0.015	0.073	291.671	TRUE	1.49E-61
Overall asthma	QSOX1	cg03396826	rs77972902	C	G	1.254	0.054	0.047	1.37E-117	0.013	0.023	0.570	0.126	531.156	TRUE	8.04E-111
Overall asthma	QSOX1	cg03396826	rs79058837	T	C	-0.198	0.031	0.174	1.32E-10	0.001	0.013	0.930	0.011	41.250	TRUE	1.87E-10
Overall asthma	QSOX1	cg04108706	rs3889149	G	C	-0.183	0.033	0.153	3.45E-08	-0.028	0.013	0.034	0.008	30.418	TRUE	1.32E-07
Overall asthma	QSOX1	cg05770740	rs12071926	C	T	0.945	0.051	0.056	7.14E-78	0.013	0.021	0.550	0.086	348.772	TRUE	2.14E-74
Overall asthma	QSOX1	cg05770740	rs140691245	A	G	0.647	0.113	0.014	1.02E-08	-0.004	0.039	0.910	0.009	32.790	TRUE	1.34E-08
Overall asthma	QSOX1	cg05770740	rs34430949	T	C	-0.223	0.030	0.186	9.45E-14	0.003	0.012	0.800	0.015	55.448	TRUE	1.73E-13
Overall asthma	QSOX1	cg05770740	rs3845393	A	C	0.332	0.029	0.202	1.62E-30	-0.016	0.012	0.190	0.034	131.771	TRUE	2.87E-29
Overall asthma	QSOX1	cg05770740	rs75056293	T	G	0.557	0.090	0.019	5.72E-10	0.022	0.039	0.570	0.010	38.395	TRUE	1.04E-09
Overall asthma	QSOX1	cg05770740	rs7542624	G	A	0.223	0.039	0.217	1.37E-08	-0.009	0.012	0.440	0.009	32.218	TRUE	2.57E-08
Overall asthma	QSOX1	cg05770740	rs872376	G	A	0.206	0.034	0.144	8.21E-10	0.026	0.013	0.057	0.010	37.690	TRUE	3.44E-09
Overall asthma	QSOX1	cg06894687	rs4259598	C	T	0.482	0.082	0.026	4.71E-09	-0.003	0.029	0.920	0.009	34.286	TRUE	6.27E-09
Overall asthma	QSOX1	cg06894687	rs4448484	T	C	0.148	0.025	0.345	1.74E-09	0.012	0.010	0.220	0.010	36.225	TRUE	4.49E-09
Overall asthma	QSOX1	cg06894687	rs57163857	G	A	0.846	0.127	0.010	2.50E-11	0.008	0.056	0.880	0.012	44.507	TRUE	3.78E-11
Overall asthma	QSOX1	cg06894687	rs7531169	A	G	0.444	0.036	0.125	2.23E-34	-0.019	0.016	0.230	0.039	149.423	TRUE	4.95E-33
Overall asthma	QSOX1	cg06894687	rs7545835	T	C	0.199	0.028	0.225	1.36E-12	-0.002	0.012	0.860	0.013	50.214	TRUE	2.21E-12
Overall asthma	QSOX1	cg09505809	rs10913937	C	A	0.187	0.026	0.313	3.86E-13	-0.019	0.011	0.072	0.014	52.687	TRUE	1.89E-12
Overall asthma	QSOX1	cg09505809	rs115475500	C	T	0.972	0.170	0.011	1.08E-08	0.026	0.050	0.610	0.009	32.678	TRUE	1.79E-08
Overall asthma	QSOX1	cg09505809	rs12139961	T	G	0.385	0.052	0.053	1.61E-13	-0.016	0.022	0.460	0.014	54.407	TRUE	4.04E-13
Overall asthma	QSOX1	cg09505809	rs34430949	T	C	0.484	0.030	0.186	4.01E-60	0.003	0.012	0.800	0.067	267.341	TRUE	4.94E-58
Overall asthma	QSOX1	cg09505809	rs35471507	C	T	0.662	0.083	0.022	2.02E-15	0.001	0.034	0.970	0.017	63.011	TRUE	3.40E-15
Overall asthma	QSOX1	cg09505809	rs57163857	G	A	1.001	0.127	0.010	2.55E-15	0.008	0.056	0.880	0.017	62.552	TRUE	4.67E-15
Overall asthma	QSOX1	cg10023454	rs61828295	A	T	0.197	0.032	0.163	6.47E-10	-0.031	0.013	0.015	0.010	38.153	TRUE	3.43E-09
Overall asthma	QSOX1	cg12124589	rs11126	C	T	-0.193	0.027	0.269	4.59E-13	-0.012	0.011	0.270	0.014	52.344	TRUE	1.44E-12
Overall asthma	QSOX1	cg12124589	rs11546310	C	G	-0.228	0.031	0.176	1.10E-13	0.026	0.013	0.040	0.015	55.155	TRUE	6.85E-13

Overall asthma	QSOX1	cg12124589	rs149770566	G	T	-0.339	0.061	0.041	2.94E-08	0.001	0.022	0.980	0.008	30.730	TRUE	3.64E-08
Overall asthma	QSOX1	cg12124589	rs357078	T	C	-0.235	0.029	0.207	6.22E-16	0.025	0.012	0.034	0.017	65.332	TRUE	5.19E-15
Overall asthma	QSOX1	cg12124589	rs3842829	C	T	-0.484	0.026	0.253	1.06E-74	0.010	0.011	0.400	0.083	334.209	TRUE	2.92E-71
Overall asthma	QSOX1	cg12124589	rs73040426	G	A	-0.507	0.087	0.016	6.35E-09	-0.089	0.040	0.027	0.009	33.705	TRUE	2.74E-08
Overall asthma	QSOX1	cg12124589	rs74393558	G	C	-0.429	0.075	0.025	1.19E-08	0.001	0.028	0.970	0.009	32.483	TRUE	1.50E-08
Overall asthma	QSOX1	cg12124589	rs7525475	G	A	-0.325	0.054	0.052	2.38E-09	0.014	0.022	0.540	0.010	35.612	TRUE	4.38E-09
Overall asthma	QSOX1	cg15631106	rs114073069	A	T	-0.856	0.099	0.014	5.32E-18	-0.033	0.041	0.430	0.020	74.720	TRUE	1.93E-17
Overall asthma	QSOX1	cg15631106	rs142795443	A	G	-0.726	0.099	0.014	2.88E-13	0.011	0.035	0.760	0.014	53.257	TRUE	5.35E-13
Overall asthma	QSOX1	cg15631106	rs4652487	A	G	-0.158	0.029	0.209	4.76E-08	0.023	0.012	0.048	0.008	29.798	TRUE	1.58E-07
Overall asthma	QSOX1	cg19936954	rs3767167	T	G	-0.309	0.051	0.057	1.81E-09	0.012	0.021	0.570	0.010	36.146	TRUE	3.23E-09
Overall asthma	QSOX1	cg19936954	rs3820308	C	T	-0.214	0.027	0.249	2.58E-15	0.005	0.011	0.630	0.017	62.532	TRUE	6.07E-15
Overall asthma	RAB7A	cg01368075	rs11926639	C	A	0.223	0.037	0.116	1.41E-09	0.030	0.015	0.045	0.010	36.637	TRUE	5.76E-09
Overall asthma	RAB7A	cg01368075	rs1683784	T	C	-0.171	0.028	0.227	1.80E-09	-0.006	0.011	0.580	0.010	36.158	TRUE	3.21E-09
Overall asthma	RAB7A	cg01368075	rs186934128	T	C	0.263	0.047	0.074	2.40E-08	0.051	0.018	0.006	0.008	31.125	TRUE	1.33E-07
Overall asthma	RAB7A	cg01368075	rs56373544	G	A	0.344	0.024	0.370	1.07E-47	0.004	0.010	0.710	0.054	210.377	TRUE	3.51E-46
Overall asthma	RAB7A	cg15033153	rs12497923	G	A	0.207	0.024	0.408	2.77E-18	0.000	0.010	0.990	0.020	76.005	TRUE	5.33E-18
Overall asthma	RAB7A	cg15033153	rs4443195	C	A	0.162	0.024	0.473	5.32E-12	-0.004	0.010	0.660	0.013	47.539	TRUE	1.00E-11
Overall asthma	RAB7A	cg15033153	rs73198875	T	C	1.241	0.045	0.067	5.68E-164	0.032	0.020	0.110	0.168	744.303	TRUE	6.84E-151
Overall asthma	RAB7A	cg15033153	rs73202270	A	G	0.396	0.050	0.059	2.01E-15	0.030	0.020	0.130	0.017	63.019	TRUE	1.03E-14
Overall asthma	RAB7A	cg15033153	rs7614922	C	G	0.235	0.034	0.146	5.33E-12	0.021	0.014	0.120	0.013	47.537	TRUE	2.02E-11
Overall asthma	RAB7A	cg15033153	rs9811914	C	T	0.160	0.027	0.269	2.58E-09	0.009	0.011	0.410	0.009	35.456	TRUE	5.23E-09
Overall asthma	RAB7A	cg19205850	rs114366529	T	A	-0.291	0.049	0.062	3.62E-09	0.026	0.020	0.180	0.009	34.800	TRUE	9.58E-09
Overall asthma	RAB7A	cg19205850	rs12630170	C	T	0.148	0.023	0.438	2.67E-10	0.008	0.010	0.400	0.011	39.881	TRUE	5.85E-10
Overall asthma	RAB7A	cg19205850	rs1683812	G	A	0.144	0.023	0.473	6.52E-10	0.007	0.010	0.500	0.010	38.139	TRUE	1.27E-09
Overall asthma	RAB7A	cg19205850	rs2253151	T	C	0.178	0.025	0.361	4.31E-13	-0.012	0.010	0.230	0.014	52.469	TRUE	1.46E-12
Overall asthma	RAB7A	cg19205850	rs2712399	G	C	0.157	0.024	0.395	9.57E-11	-0.011	0.010	0.250	0.011	41.884	TRUE	2.60E-10
Overall asthma	RAB7A	cg19205850	rs62272592	T	C	-0.251	0.042	0.087	1.72E-09	-0.024	0.016	0.140	0.010	36.245	TRUE	5.25E-09
Overall asthma	RAB7A	cg19205850	rs9867598	T	C	0.609	0.040	0.087	1.58E-53	-0.037	0.016	0.021	0.060	237.106	TRUE	1.66E-50
Overall asthma	RAB7A	cg19991780	rs11712335	C	T	0.163	0.026	0.273	5.21E-10	-0.011	0.011	0.320	0.010	38.576	TRUE	1.24E-09
Overall asthma	RAB7A	cg19991780	rs11717152	C	A	-0.218	0.028	0.237	1.31E-14	-0.009	0.011	0.430	0.016	59.327	TRUE	3.75E-14
Overall asthma	RAB7A	cg19991780	rs140780042	T	C	-0.652	0.079	0.027	1.08E-16	0.100	0.033	0.002	0.018	68.787	TRUE	2.02E-15
Overall asthma	RAB7A	cg19991780	rs149596160	G	A	-0.854	0.085	0.021	5.56E-24	0.022	0.033	0.500	0.027	101.943	TRUE	2.79E-23
Overall asthma	RAB7A	cg19991780	rs1680779	A	G	-0.209	0.025	0.322	7.23E-17	0.026	0.010	0.013	0.018	69.573	TRUE	9.93E-16
Overall asthma	RAB7A	cg19991780	rs2811502	T	C	0.356	0.023	0.420	4.52E-52	-0.014	0.010	0.150	0.059	230.426	TRUE	1.12E-49
Overall asthma	RAB7A	cg19991780	rs4857855	T	C	0.175	0.031	0.165	2.40E-08	0.009	0.013	0.470	0.008	31.126	TRUE	4.31E-08
Overall asthma	RAB7A	cg19991780	rs574990822	G	A	0.586	0.103	0.011	1.47E-08	-0.025	0.040	0.540	0.009	32.069	TRUE	2.57E-08
Overall asthma	RAB7A	cg19991780	rs59753334	G	C	-0.794	0.041	0.095	4.58E-84	0.039	0.016	0.017	0.093	377.195	TRUE	1.04E-78
Overall asthma	RAB7A	cg19991780	rs6773936	G	A	0.298	0.029	0.209	4.83E-25	-0.013	0.012	0.270	0.028	106.781	TRUE	3.96E-24
Overall asthma	RAB7A	cg19991780	rs71331614	T	C	0.434	0.035	0.116	6.98E-35	-0.043	0.014	0.003	0.039	151.724	TRUE	1.43E-32
Overall asthma	RAB7A	cg19991780	rs73203412	A	G	-0.203	0.030	0.191	1.78E-11	0.024	0.012	0.056	0.012	45.171	TRUE	8.89E-11
Overall asthma	RAB7A	cg19991780	rs74913388	T	C	-0.293	0.029	0.203	2.51E-23	0.007	0.012	0.580	0.026	98.960	TRUE	1.09E-22
Overall asthma	RAB7A	cg26867765	rs6804596	C	G	0.344	0.032	0.151	4.48E-27	-0.012	0.013	0.360	0.030	116.055	TRUE	3.74E-26

Overall asthma	RAC2	cg02152108	rs2097361	A	G	0.289	0.029	0.192	9.22E-23	0.002	0.012	0.910	0.025	96.384	TRUE	2.54E-22
Overall asthma	RAC2	cg02152108	rs229566	A	G	0.188	0.025	0.345	2.46E-14	0.022	0.010	0.026	0.015	58.095	TRUE	1.89E-13
Overall asthma	RAC2	cg02152108	rs2899284	A	G	0.153	0.026	0.300	3.17E-09	-0.009	0.011	0.380	0.009	35.057	TRUE	6.51E-09
Overall asthma	RAC2	cg02152108	rs4821625	T	A	-0.219	0.025	0.348	3.85E-19	-0.010	0.010	0.310	0.021	79.901	TRUE	1.80E-18
Overall asthma	RAC2	cg02152108	rs59755875	G	T	0.219	0.036	0.123	1.56E-09	-0.027	0.015	0.072	0.010	36.437	TRUE	5.67E-09
Overall asthma	RAC2	cg02152108	rs9607428	G	A	-0.302	0.032	0.155	4.33E-21	0.038	0.014	0.005	0.023	88.767	TRUE	1.08E-19
Overall asthma	RAC2	cg02152108	rs9607435	A	G	-0.650	0.024	0.329	2.27E-166	-0.006	0.010	0.580	0.170	755.327	TRUE	4.07E-154
Overall asthma	RAC2	cg10603757	rs2239775	A	C	0.193	0.033	0.139	5.97E-09	-0.007	0.014	0.600	0.009	33.827	TRUE	1.00E-08
Overall asthma	RAC2	cg10603757	rs4610160	G	A	0.363	0.026	0.300	6.60E-46	-0.009	0.011	0.390	0.052	202.185	TRUE	3.22E-44
Overall asthma	RAC2	cg10603757	rs9610680	A	G	-0.539	0.031	0.163	6.77E-70	0.036	0.013	0.005	0.078	312.164	TRUE	2.01E-65
Overall asthma	RAC2	cg14891022	rs1041895	A	G	0.147	0.024	0.366	1.42E-09	-0.008	0.010	0.420	0.010	36.619	TRUE	2.92E-09
Overall asthma	RAC2	cg14891022	rs229554	A	C	-0.148	0.026	0.250	2.21E-08	-0.006	0.011	0.580	0.008	31.288	TRUE	3.66E-08
Overall asthma	RAC2	cg14891022	rs35673893	C	T	0.162	0.024	0.358	1.63E-11	0.009	0.010	0.370	0.012	45.346	TRUE	4.04E-11
Overall asthma	RAC2	cg14891022	rs5756576	C	T	-0.195	0.033	0.135	4.11E-09	-0.010	0.014	0.450	0.009	34.553	TRUE	7.77E-09
Overall asthma	RAC2	cg14891022	rs6000611	A	G	0.348	0.029	0.195	2.44E-32	0.024	0.013	0.054	0.036	140.100	TRUE	9.17E-31
Overall asthma	RAC2	cg14891022	rs739042	G	A	0.476	0.024	0.402	6.99E-90	0.007	0.010	0.480	0.098	403.901	TRUE	1.97E-85
Overall asthma	RFFL	cg13672743	rs12450763	C	A	0.150	0.024	0.407	1.85E-10	0.000	0.010	0.980	0.011	40.593	TRUE	2.50E-10
Overall asthma	RFFL	cg15690822	rs11869356	C	T	-0.166	0.023	0.451	1.71E-12	0.010	0.010	0.280	0.013	49.766	TRUE	4.98E-12
Overall asthma	RFFL	cg15690822	rs34991817	A	G	0.145	0.024	0.377	2.09E-09	-0.033	0.010	8.40E-04	0.010	35.869	TRUE	1.80E-08
Overall asthma	RFFL	cg15690822	rs62062384	T	C	0.667	0.033	0.134	1.95E-88	0.030	0.014	0.034	0.097	397.265	TRUE	6.01E-83
Overall asthma	RFFL	cg15690822	rs79069570	C	T	0.906	0.137	0.013	3.46E-11	0.019	0.039	0.620	0.012	43.876	TRUE	6.44E-11
Overall asthma	RFFL	cg15690822	rs8066088	A	G	0.182	0.031	0.189	3.53E-09	0.003	0.012	0.790	0.009	34.847	TRUE	5.22E-09
Overall asthma	RFFL	cg15690822	rs8182290	A	G	-0.140	0.023	0.443	1.78E-09	-0.005	0.010	0.620	0.010	36.182	TRUE	3.01E-09
Overall asthma	RFFL	cg15690822	rs9897818	G	A	-0.199	0.023	0.443	1.55E-17	0.000	0.010	0.980	0.019	72.602	TRUE	2.90E-17
Overall asthma	RFFL	cg16662477	rs1088450	C	T	-0.226	0.023	0.467	4.13E-22	0.017	0.010	0.079	0.025	93.417	TRUE	5.02E-21
Overall asthma	RFFL	cg16662477	rs116910034	A	G	0.517	0.088	0.017	3.64E-09	-0.006	0.032	0.860	0.009	34.786	TRUE	5.09E-09
Overall asthma	RFFL	cg16662477	rs2269857	G	C	0.636	0.040	0.099	1.25E-55	-0.005	0.016	0.770	0.063	246.742	TRUE	9.19E-54
Overall asthma	RFFL	cg16662477	rs7223004	G	A	0.199	0.026	0.289	3.31E-14	-0.042	0.011	6.60E-05	0.015	57.512	TRUE	7.84E-13
Overall asthma	RFFL	cg18302940	rs4795062	A	G	-0.148	0.027	0.243	3.53E-08	0.022	0.011	0.043	0.008	30.373	TRUE	1.25E-07
Overall asthma	RFFL	cg18302940	rs62062384	T	C	-0.364	0.034	0.134	7.65E-27	0.030	0.014	0.034	0.030	114.995	TRUE	2.14E-25
Overall asthma	RNF186	cg09195271	rs10917548	G	A	0.644	0.023	0.386	1.52E-179	-0.007	0.010	0.470	0.181	815.890	TRUE	2.28E-165
Overall asthma	RNF186	cg09195271	rs1108974	G	A	0.236	0.035	0.126	1.02E-11	0.010	0.015	0.510	0.012	46.259	TRUE	2.17E-11
Overall asthma	RNF186	cg09195271	rs12126198	A	G	0.644	0.079	0.027	2.85E-16	-0.011	0.031	0.730	0.018	66.872	TRUE	6.43E-16
Overall asthma	RNF186	cg09195271	rs12404165	A	G	-0.227	0.036	0.118	1.80E-10	0.019	0.015	0.180	0.011	40.647	TRUE	5.20E-10
Overall asthma	RNF186	cg09195271	rs12405608	C	T	0.324	0.054	0.046	1.90E-09	0.054	0.023	0.020	0.010	36.056	TRUE	9.33E-09
Overall asthma	RNF186	cg09195271	rs3753822	C	G	-0.223	0.036	0.116	5.89E-10	-0.001	0.014	0.950	0.010	38.338	TRUE	7.92E-10
Overall asthma	RNF186	cg09195271	rs3806309	T	C	-0.491	0.054	0.110	1.05E-19	-0.002	0.015	0.890	0.022	82.474	TRUE	2.44E-19
Overall asthma	RNF186	cg13843611	rs12727925	T	C	-0.269	0.048	0.079	1.54E-08	-0.016	0.018	0.380	0.009	31.984	TRUE	3.10E-08
Overall asthma	RNF186	cg15505276	rs1108972	A	G	-0.230	0.035	0.126	2.89E-11	0.009	0.015	0.540	0.012	44.229	TRUE	5.85E-11
Overall asthma	RNF186	cg15505276	rs12126104	T	C	-0.606	0.074	0.028	3.11E-16	-0.015	0.030	0.620	0.018	66.693	TRUE	7.87E-16
Overall asthma	RNF186	cg15505276	rs12727925	T	C	0.371	0.047	0.079	5.68E-15	-0.016	0.018	0.380	0.016	60.978	TRUE	1.77E-14
Overall asthma	RNF186	cg15505276	rs3806309	T	C	0.485	0.054	0.110	2.81E-19	-0.002	0.015	0.890	0.021	80.522	TRUE	6.39E-19

Overall asthma	RNF186	cg15505276	rs3820328	G	A	-0.675	0.022	0.385	2.98E-200	-0.007	0.010	0.470	0.198	911.090	TRUE	3.90E-183
Overall asthma	RNF186	cg15505276	rs55715364	T	C	-0.541	0.053	0.049	8.67E-25	0.055	0.024	0.020	0.028	105.621	TRUE	2.24E-23
Overall asthma	RNF186	cg17135423	rs6686653	G	A	0.132	0.024	0.389	3.30E-08	-0.021	0.010	0.030	0.008	30.506	TRUE	1.24E-07
Overall asthma	RPS27L	cg02321289	rs2652812	C	T	0.199	0.027	0.223	2.32E-13	0.010	0.011	0.360	0.014	53.685	TRUE	6.56E-13
Overall asthma	RPS27L	cg02321289	rs62011184	T	C	1.200	0.076	0.019	4.92E-56	0.067	0.033	0.039	0.063	248.592	TRUE	4.96E-53
Overall asthma	RPS27L	cg02321289	rs73431514	G	A	0.508	0.088	0.016	8.79E-09	0.035	0.035	0.330	0.009	33.074	TRUE	1.91E-08
Overall asthma	RPS27L	cg02713581	rs17752921	C	T	-0.315	0.053	0.100	2.24E-09	0.001	0.016	0.940	0.010	35.734	TRUE	2.98E-09
Overall asthma	RPS27L	cg02713581	rs35363782	C	T	-0.209	0.038	0.203	4.22E-08	-0.013	0.012	0.280	0.008	30.029	TRUE	9.13E-08
Overall asthma	RPS27L	cg02713581	rs7162561	C	T	-0.168	0.027	0.257	6.33E-10	-0.006	0.011	0.610	0.010	38.197	TRUE	1.11E-09
Overall asthma	RPS27L	cg09431919	rs139651141	C	A	0.663	0.082	0.039	6.18E-16	0.035	0.027	0.200	0.017	65.343	TRUE	2.83E-15
Overall asthma	RPS27L	cg09431919	rs2047760	T	C	1.920	0.071	0.021	2.92E-163	0.047	0.031	0.130	0.167	741.038	TRUE	2.31E-150
Overall asthma	RPS27L	cg09431919	rs7162890	G	A	-0.166	0.023	0.468	1.61E-12	-0.016	0.010	0.097	0.013	49.877	TRUE	7.25E-12
Overall asthma	RPS27L	cg09431919	rs7163519	C	A	0.238	0.030	0.167	1.61E-15	0.015	0.013	0.230	0.017	63.464	TRUE	6.38E-15
Overall asthma	RPS27L	cg09431919	rs7172837	T	C	0.881	0.058	0.033	1.65E-52	0.018	0.025	0.470	0.059	232.432	TRUE	1.54E-50
Overall asthma	RPS27L	cg09431919	rs78795043	T	C	0.287	0.045	0.070	1.15E-10	0.002	0.018	0.930	0.011	41.533	TRUE	1.61E-10
Overall asthma	RPS27L	cg19279045	rs12594313	A	G	-0.131	0.023	0.475	1.71E-08	-0.003	0.010	0.760	0.009	31.787	TRUE	2.48E-08
Overall asthma	RPS27L	cg20854371	rs2652813	G	A	0.164	0.027	0.222	1.29E-09	0.007	0.011	0.550	0.010	36.805	TRUE	2.37E-09
Overall asthma	RPS27L	cg20854371	rs62011184	T	C	0.860	0.077	0.019	4.24E-29	0.067	0.033	0.039	0.033	125.293	TRUE	1.36E-27
Overall asthma	RPS27L	cg23837188	rs75326529	G	A	0.462	0.080	0.019	6.13E-09	-0.041	0.030	0.180	0.009	33.775	TRUE	1.65E-08
Overall asthma	RPS27L	cg23837188	rs9788649	A	G	0.625	0.041	0.092	2.51E-52	-0.052	0.017	0.002	0.059	231.598	TRUE	6.36E-49
Overall asthma	RPS27L	cg26210447	rs11071732	A	G	-0.251	0.038	0.107	4.55E-11	0.007	0.015	0.630	0.012	43.339	TRUE	8.45E-11
Overall asthma	RPS27L	cg26210447	rs1126308	A	C	-0.453	0.023	0.474	2.68E-87	-0.004	0.010	0.660	0.096	392.037	TRUE	2.89E-83
Overall asthma	RPS27L	cg26210447	rs2088652	G	C	-0.203	0.037	0.102	3.97E-08	0.008	0.016	0.590	0.008	30.150	TRUE	6.39E-08
Overall asthma	RPS27L	cg26210447	rs35363782	C	T	-0.252	0.039	0.203	7.88E-11	-0.013	0.012	0.280	0.011	42.265	TRUE	2.09E-10
Overall asthma	RPS27L	cg26210447	rs56131185	G	A	-0.165	0.025	0.298	5.34E-11	0.002	0.010	0.840	0.011	43.027	TRUE	8.20E-11
Overall asthma	RPS27L	cg26210447	rs62011225	A	G	-0.259	0.042	0.072	6.24E-10	0.040	0.018	0.026	0.010	38.223	TRUE	3.02E-09
Overall asthma	RPS27L	cg26210447	rs7183733	T	C	-0.209	0.025	0.330	6.44E-17	-0.004	0.010	0.670	0.019	69.799	TRUE	1.61E-16
Overall asthma	RPTOR	cg00143364	rs7218924	T	C	-0.155	0.024	0.429	7.82E-11	0.003	0.010	0.740	0.011	42.279	TRUE	1.30E-10
Overall asthma	RPTOR	cg00143364	rs79155262	T	C	-0.367	0.041	0.090	3.48E-19	0.003	0.017	0.860	0.021	80.104	TRUE	8.01E-19
Overall asthma	RPTOR	cg00463485	rs4969444	A	G	-0.305	0.031	0.184	2.05E-23	0.006	0.013	0.630	0.026	99.360	TRUE	8.17E-23
Overall asthma	RPTOR	cg00523683	rs117209908	A	G	0.318	0.050	0.059	2.35E-10	-0.013	0.020	0.510	0.011	40.126	TRUE	4.62E-10
Overall asthma	RPTOR	cg00523683	rs4969266	T	C	-0.208	0.028	0.234	5.62E-14	0.003	0.011	0.780	0.015	56.471	TRUE	1.06E-13
Overall asthma	RPTOR	cg00523683	rs67583258	T	C	0.337	0.027	0.249	2.07E-35	-0.004	0.011	0.730	0.040	154.142	TRUE	1.91E-34
Overall asthma	RPTOR	cg00704970	rs11150747	T	C	0.151	0.027	0.249	3.65E-08	-0.008	0.011	0.480	0.008	30.311	TRUE	6.50E-08
Overall asthma	RPTOR	cg00704970	rs113473934	C	G	0.198	0.024	0.391	1.32E-16	-0.002	0.010	0.850	0.018	68.382	TRUE	2.67E-16
Overall asthma	RPTOR	cg00704970	rs11656061	A	G	-0.478	0.023	0.436	6.20E-94	0.005	0.010	0.580	0.103	422.505	TRUE	2.74E-89
Overall asthma	RPTOR	cg00704970	rs12952861	A	G	0.439	0.029	0.202	2.58E-52	-0.012	0.012	0.310	0.059	231.546	TRUE	3.51E-50
Overall asthma	RPTOR	cg00704970	rs13341621	A	G	0.404	0.050	0.080	5.93E-16	-0.024	0.018	0.200	0.017	65.424	TRUE	2.80E-15
Overall asthma	RPTOR	cg00704970	rs149099062	A	G	1.076	0.139	0.015	1.19E-14	-0.084	0.037	0.026	0.016	59.513	TRUE	1.00E-13
Overall asthma	RPTOR	cg00704970	rs2289763	G	C	1.252	0.031	0.119	<1E-200	-0.013	0.015	0.410	0.302	1603.701	TRUE	3.12E-305
Overall asthma	RPTOR	cg00704970	rs56273414	C	T	0.269	0.033	0.146	4.98E-16	-0.029	0.014	0.035	0.017	65.767	TRUE	4.16E-15
Overall asthma	RPTOR	cg00704970	rs56859058	G	T	0.292	0.048	0.071	9.39E-10	-0.017	0.020	0.380	0.010	37.427	TRUE	2.00E-09

Overall asthma	RPTOR	cg00704970	rs62068487	A	G	-0.359	0.025	0.319	1.09E-46	0.007	0.010	0.510	0.053	205.763	TRUE	4.91E-45
Overall asthma	RPTOR	cg00704970	rs7225916	G	T	0.156	0.026	0.272	3.41E-09	0.012	0.011	0.250	0.009	34.916	TRUE	8.03E-09
Overall asthma	RPTOR	cg00704970	rs72852923	T	C	0.307	0.050	0.068	8.10E-10	-0.021	0.019	0.270	0.010	37.715	TRUE	2.02E-09
Overall asthma	RPTOR	cg00704970	rs72853711	C	T	0.266	0.037	0.115	5.17E-13	-0.046	0.015	0.003	0.014	52.111	TRUE	6.19E-12
Overall asthma	RPTOR	cg00704970	rs72857988	T	C	0.600	0.050	0.050	1.88E-33	-0.004	0.020	0.860	0.038	145.184	TRUE	1.21E-32
Overall asthma	RPTOR	cg00704970	rs8073904	G	A	0.190	0.033	0.141	9.93E-09	-0.004	0.014	0.760	0.009	32.838	TRUE	1.47E-08
Overall asthma	RPTOR	cg01432609	rs62068339	G	T	0.257	0.041	0.092	3.12E-10	0.003	0.017	0.860	0.011	39.578	TRUE	4.56E-10
Overall asthma	RPTOR	cg01464730	rs10468605	C	T	0.806	0.021	0.407	<1E-200	0.017	0.010	0.088	0.288	1494.937	TRUE	1.77E-285
Overall asthma	RPTOR	cg01464730	rs11652074	A	G	-0.213	0.037	0.117	8.99E-09	0.015	0.015	0.330	0.009	33.031	TRUE	1.95E-08
Overall asthma	RPTOR	cg01464730	rs11653338	T	C	-0.143	0.024	0.495	1.43E-09	-0.005	0.010	0.610	0.010	36.607	TRUE	2.48E-09
Overall asthma	RPTOR	cg01464730	rs117209908	A	G	0.489	0.050	0.059	2.89E-22	-0.013	0.020	0.510	0.025	94.121	TRUE	1.26E-21
Overall asthma	RPTOR	cg01464730	rs118003029	A	G	-0.350	0.055	0.089	1.64E-10	-0.001	0.016	0.950	0.011	40.831	TRUE	2.27E-10
Overall asthma	RPTOR	cg01464730	rs139980334	C	T	0.460	0.047	0.065	1.20E-22	-0.002	0.017	0.900	0.025	95.856	TRUE	3.31E-22
Overall asthma	RPTOR	cg01464730	rs35904260	G	A	-0.274	0.023	0.445	8.41E-32	0.000	0.010	1.000	0.036	137.640	TRUE	3.88E-31
Overall asthma	RPTOR	cg01464730	rs55903842	A	G	0.398	0.051	0.059	8.52E-15	-0.026	0.022	0.250	0.016	60.179	TRUE	3.26E-14
Overall asthma	RPTOR	cg01464730	rs60720478	T	C	0.499	0.053	0.046	9.22E-21	0.042	0.022	0.056	0.023	87.276	TRUE	1.09E-19
Overall asthma	RPTOR	cg01464730	rs62070200	A	G	-0.141	0.026	0.277	3.51E-08	0.002	0.011	0.840	0.008	30.386	TRUE	4.74E-08
Overall asthma	RPTOR	cg01464730	rs72856013	A	G	-0.358	0.036	0.120	2.06E-23	-0.025	0.015	0.110	0.026	99.346	TRUE	2.54E-22
Overall asthma	RPTOR	cg01464730	rs77591050	T	C	0.498	0.045	0.077	1.33E-28	-0.027	0.018	0.140	0.032	123.031	TRUE	2.32E-27
Overall asthma	RPTOR	cg01464730	rs9897608	T	C	-0.256	0.025	0.346	1.74E-25	0.005	0.010	0.640	0.029	108.808	TRUE	8.03E-25
Overall asthma	RPTOR	cg01476242	rs4969443	G	A	-0.252	0.031	0.184	1.40E-16	0.006	0.013	0.630	0.018	68.267	TRUE	3.51E-16
Overall asthma	RPTOR	cg01498832	rs34177980	T	C	0.233	0.030	0.199	3.12E-15	0.015	0.012	0.210	0.017	62.158	TRUE	1.30E-14
Overall asthma	RPTOR	cg01498832	rs6565476	T	C	-0.296	0.029	0.220	3.35E-25	-0.009	0.012	0.440	0.028	107.506	TRUE	2.01E-24
Overall asthma	RPTOR	cg01516792	rs11150741	G	A	0.367	0.025	0.366	4.54E-50	0.006	0.010	0.530	0.056	221.253	TRUE	2.78E-48
Overall asthma	RPTOR	cg01516792	rs117209908	A	G	0.338	0.050	0.059	2.04E-11	-0.013	0.020	0.510	0.012	44.906	TRUE	4.28E-11
Overall asthma	RPTOR	cg01516792	rs118182693	G	A	-0.375	0.057	0.042	3.78E-11	-0.027	0.024	0.250	0.012	43.702	TRUE	1.05E-10
Overall asthma	RPTOR	cg01516792	rs11870398	T	C	-0.195	0.024	0.387	9.07E-16	0.002	0.010	0.820	0.017	64.588	TRUE	1.80E-15
Overall asthma	RPTOR	cg01516792	rs144443274	T	C	0.179	0.031	0.178	6.10E-09	0.004	0.013	0.780	0.009	33.783	TRUE	8.94E-09
Overall asthma	RPTOR	cg01516792	rs8073414	G	A	-0.172	0.025	0.353	4.97E-12	0.008	0.010	0.420	0.013	47.674	TRUE	1.20E-11
Overall asthma	RPTOR	cg01516792	rs9915667	A	G	-0.187	0.024	0.438	1.68E-15	-0.003	0.010	0.780	0.017	63.371	TRUE	3.44E-15
Overall asthma	RPTOR	cg01561259	rs117736066	G	A	-0.305	0.041	0.088	1.55E-13	-0.007	0.017	0.700	0.015	54.473	TRUE	3.08E-13
Overall asthma	RPTOR	cg01561259	rs12185227	G	C	0.142	0.024	0.390	2.96E-09	0.004	0.010	0.690	0.009	35.188	TRUE	4.72E-09
Overall asthma	RPTOR	cg01561259	rs146289225	T	C	0.478	0.073	0.057	6.13E-11	-0.009	0.020	0.650	0.011	42.756	TRUE	1.11E-10
Overall asthma	RPTOR	cg01561259	rs201407779	A	G	-0.421	0.041	0.090	7.34E-25	0.005	0.017	0.750	0.028	105.952	TRUE	2.79E-24
Overall asthma	RPTOR	cg01561259	rs3829572	G	A	-0.143	0.024	0.389	4.28E-09	0.010	0.010	0.330	0.009	34.472	TRUE	9.41E-09
Overall asthma	RPTOR	cg01561259	rs4396581	T	C	0.306	0.023	0.491	6.18E-39	-0.005	0.010	0.620	0.044	170.268	TRUE	9.61E-38
Overall asthma	RPTOR	cg01561259	rs62070201	A	G	0.316	0.044	0.069	4.97E-13	0.002	0.018	0.910	0.014	52.187	TRUE	7.94E-13
Overall asthma	RPTOR	cg01561259	rs7221014	T	C	0.386	0.024	0.382	1.47E-58	0.017	0.010	0.081	0.066	260.167	TRUE	1.38E-55
Overall asthma	RPTOR	cg01561259	rs72853711	C	T	-0.255	0.037	0.115	4.83E-12	-0.046	0.015	0.003	0.013	47.730	TRUE	5.08E-11
Overall asthma	RPTOR	cg01886663	rs7210742	A	G	0.143	0.023	0.444	1.01E-09	0.007	0.010	0.440	0.010	37.293	TRUE	2.04E-09
Overall asthma	RPTOR	cg01886663	rs8064817	T	C	-0.315	0.032	0.168	3.20E-23	-0.016	0.013	0.230	0.026	98.478	TRUE	2.57E-22
Overall asthma	RPTOR	cg01911440	rs114387751	T	C	0.259	0.043	0.081	2.54E-09	-0.022	0.017	0.200	0.010	35.488	TRUE	6.79E-09

Overall asthma	RPTOR	cg02033669	rs1468033	G	A	0.181	0.023	0.437	4.41E-15	0.010	0.010	0.300	0.016	61.473	TRUE	1.55E-14
Overall asthma	RPTOR	cg02185248	rs117117100	A	G	0.505	0.075	0.024	2.28E-11	0.015	0.029	0.610	0.012	44.694	TRUE	4.36E-11
Overall asthma	RPTOR	cg02185248	rs117209908	A	G	0.539	0.050	0.059	7.01E-27	-0.013	0.020	0.510	0.030	115.168	TRUE	4.36E-26
Overall asthma	RPTOR	cg02185248	rs12452137	G	A	0.726	0.026	0.249	1.85E-169	-0.004	0.011	0.760	0.172	769.529	TRUE	4.45E-157
Overall asthma	RPTOR	cg02185248	rs139062305	A	G	-0.346	0.052	0.063	2.31E-11	0.006	0.019	0.770	0.012	44.668	TRUE	3.83E-11
Overall asthma	RPTOR	cg02185248	rs2873061	A	G	-0.319	0.024	0.367	6.46E-40	0.007	0.010	0.510	0.045	174.754	TRUE	1.34E-38
Overall asthma	RPTOR	cg02185248	rs35832855	C	T	0.136	0.024	0.436	9.56E-09	-0.002	0.010	0.870	0.009	32.911	TRUE	1.30E-08
Overall asthma	RPTOR	cg02185248	rs4969429	A	G	0.274	0.026	0.273	1.76E-25	0.008	0.011	0.450	0.029	108.780	TRUE	1.07E-24
Overall asthma	RPTOR	cg02185248	rs56195589	C	T	0.390	0.051	0.134	1.75E-14	0.002	0.014	0.880	0.016	58.763	TRUE	3.09E-14
Overall asthma	RPTOR	cg02185248	rs62067893	T	C	0.574	0.069	0.037	1.31E-16	-0.025	0.026	0.350	0.018	68.398	TRUE	4.88E-16
Overall asthma	RPTOR	cg02185248	rs6565695	T	C	-0.160	0.024	0.386	3.48E-11	0.002	0.010	0.860	0.012	43.863	TRUE	5.31E-11
Overall asthma	RPTOR	cg02185248	rs72853735	G	A	0.331	0.036	0.118	5.00E-20	-0.026	0.015	0.083	0.022	83.935	TRUE	4.71E-19
Overall asthma	RPTOR	cg02240665	rs11150746	G	A	-0.136	0.025	0.332	4.21E-08	-0.003	0.010	0.790	0.008	30.032	TRUE	5.92E-08
Overall asthma	RPTOR	cg02240665	rs7211095	T	G	-0.203	0.024	0.456	6.34E-18	-0.014	0.010	0.140	0.020	74.371	TRUE	3.91E-17
Overall asthma	RPTOR	cg02243479	rs2289762	A	G	-0.333	0.026	0.245	1.95E-36	-0.009	0.011	0.390	0.041	158.831	TRUE	3.54E-35
Overall asthma	RPTOR	cg02243479	rs2289764	C	T	0.156	0.027	0.241	1.16E-08	-0.001	0.011	0.950	0.009	32.537	TRUE	1.48E-08
Overall asthma	RPTOR	cg02251850	rs117763980	T	C	0.319	0.055	0.043	6.30E-09	-0.014	0.023	0.550	0.009	33.722	TRUE	1.11E-08
Overall asthma	RPTOR	cg02251850	rs2289762	A	G	0.573	0.026	0.245	3.66E-107	-0.009	0.011	0.390	0.116	483.260	TRUE	3.94E-101
Overall asthma	RPTOR	cg02251850	rs34781048	A	G	0.157	0.024	0.434	7.20E-11	-0.002	0.010	0.800	0.011	42.441	TRUE	1.13E-10
Overall asthma	RPTOR	cg02251850	rs62068460	T	C	-0.462	0.027	0.231	1.72E-63	-0.004	0.011	0.730	0.071	282.790	TRUE	3.85E-61
Overall asthma	RPTOR	cg02251850	rs7207052	T	C	0.240	0.043	0.196	1.89E-08	-0.004	0.012	0.740	0.008	31.586	TRUE	2.77E-08
Overall asthma	RPTOR	cg02254800	rs77734083	A	G	0.830	0.089	0.018	1.51E-20	-0.009	0.033	0.780	0.023	86.305	TRUE	4.15E-20
Overall asthma	RPTOR	cg02284802	rs2589156	A	G	0.200	0.034	0.138	6.62E-09	0.013	0.014	0.350	0.009	33.625	TRUE	1.39E-08
Overall asthma	RPTOR	cg02403929	rs8082382	C	T	-0.133	0.024	0.420	2.53E-08	-0.004	0.010	0.680	0.008	31.022	TRUE	3.85E-08
Overall asthma	RPTOR	cg02671711	rs9899051	A	G	-0.242	0.024	0.464	8.88E-25	-0.006	0.010	0.530	0.028	105.575	TRUE	4.54E-24
Overall asthma	RPTOR	cg02675920	rs117429647	G	A	0.339	0.061	0.039	2.89E-08	0.001	0.024	0.960	0.008	30.765	TRUE	3.63E-08
Overall asthma	RPTOR	cg02675920	rs12943620	T	G	-0.257	0.027	0.225	3.23E-21	-0.024	0.011	0.033	0.024	89.347	TRUE	5.09E-20
Overall asthma	RPTOR	cg02675920	rs28742979	G	A	-0.185	0.027	0.262	8.82E-12	-0.006	0.011	0.590	0.012	46.548	TRUE	1.78E-11
Overall asthma	RPTOR	cg02675920	rs62069371	T	C	-0.859	0.041	0.084	7.96E-97	-0.002	0.017	0.890	0.105	435.785	TRUE	2.73E-92
Overall asthma	RPTOR	cg02675920	rs7207154	C	T	0.352	0.052	0.131	8.82E-12	-0.002	0.014	0.880	0.012	46.550	TRUE	1.36E-11
Overall asthma	RPTOR	cg02675920	rs7208789	T	C	0.330	0.039	0.107	2.06E-17	0.019	0.016	0.230	0.019	72.049	TRUE	9.76E-17
Overall asthma	RPTOR	cg02675920	rs7209132	C	T	0.534	0.024	0.365	3.92E-108	0.006	0.010	0.550	0.116	487.715	TRUE	3.19E-102
Overall asthma	RPTOR	cg02675920	rs72853735	G	A	0.251	0.036	0.118	4.37E-12	-0.026	0.015	0.083	0.013	47.925	TRUE	1.95E-11
Overall asthma	RPTOR	cg02675920	rs74003912	A	G	0.168	0.030	0.199	1.35E-08	0.014	0.012	0.240	0.009	32.248	TRUE	3.16E-08
Overall asthma	RPTOR	cg02675920	rs9902224	G	A	0.224	0.024	0.480	1.71E-21	-0.011	0.010	0.250	0.024	90.604	TRUE	1.11E-20
Overall asthma	RPTOR	cg02878831	rs11868966	C	A	-0.270	0.032	0.167	2.25E-17	-0.011	0.013	0.410	0.019	71.872	TRUE	8.09E-17
Overall asthma	RPTOR	cg02878831	rs4969306	C	T	0.150	0.025	0.317	2.32E-09	0.005	0.010	0.650	0.010	35.661	TRUE	3.86E-09
Overall asthma	RPTOR	cg03052541	rs2271610	G	C	0.235	0.033	0.135	1.27E-12	0.009	0.014	0.500	0.013	50.351	TRUE	2.90E-12
Overall asthma	RPTOR	cg03052541	rs6565502	G	A	-0.379	0.024	0.394	2.01E-57	-0.003	0.010	0.750	0.064	254.959	TRUE	1.93E-55
Overall asthma	RPTOR	cg03052541	rs868432	A	G	-0.172	0.023	0.444	8.35E-14	-0.007	0.010	0.480	0.015	55.691	TRUE	2.11E-13
Overall asthma	RPTOR	cg03443590	rs10468605	C	T	0.865	0.019	0.407	<1E-200	0.017	0.010	0.088	0.351	2002.666	TRUE	<1E-200
Overall asthma	RPTOR	cg03443590	rs113059224	A	G	-0.444	0.043	0.070	4.02E-25	0.009	0.016	0.580	0.028	107.142	TRUE	1.96E-24

Overall asthma	RPTOR	cg03443590	rs11651724	A	G	-0.279	0.037	0.117	4.75E-14	0.015	0.015	0.330	0.015	56.798	TRUE	1.51E-13
Overall asthma	RPTOR	cg03443590	rs11653338	T	C	-0.216	0.024	0.495	3.65E-20	-0.005	0.010	0.610	0.022	84.557	TRUE	1.21E-19
Overall asthma	RPTOR	cg03443590	rs117209908	A	G	0.422	0.050	0.059	5.39E-17	-0.013	0.020	0.510	0.019	70.150	TRUE	1.61E-16
Overall asthma	RPTOR	cg03443590	rs2340773	T	C	-0.224	0.037	0.116	2.02E-09	0.021	0.015	0.160	0.010	35.933	TRUE	5.78E-09
Overall asthma	RPTOR	cg03443590	rs35904260	G	A	-0.403	0.023	0.445	1.87E-68	0.000	0.010	1.000	0.076	305.556	TRUE	4.74E-66
Overall asthma	RPTOR	cg03443590	rs56043926	A	G	0.568	0.053	0.046	1.93E-26	0.041	0.022	0.059	0.030	113.157	TRUE	3.92E-25
Overall asthma	RPTOR	cg03443590	rs62068299	G	A	0.459	0.041	0.091	2.04E-29	0.004	0.017	0.820	0.033	126.744	TRUE	9.94E-29
Overall asthma	RPTOR	cg03443590	rs62069420	A	T	0.404	0.052	0.058	5.52E-15	-0.025	0.022	0.250	0.016	61.034	TRUE	2.07E-14
Overall asthma	RPTOR	cg03443590	rs72856013	A	G	-0.450	0.036	0.120	3.01E-36	-0.025	0.015	0.110	0.041	157.973	TRUE	1.43E-34
Overall asthma	RPTOR	cg03443590	rs77591050	T	C	0.558	0.045	0.077	1.36E-35	-0.027	0.018	0.140	0.040	154.979	TRUE	4.93E-34
Overall asthma	RPTOR	cg03443590	rs78230659	G	A	-0.142	0.025	0.324	1.25E-08	-0.013	0.011	0.210	0.009	32.387	TRUE	2.97E-08
Overall asthma	RPTOR	cg03502601	rs113473934	C	G	0.204	0.024	0.391	1.36E-17	-0.002	0.010	0.850	0.019	72.872	TRUE	2.90E-17
Overall asthma	RPTOR	cg03502601	rs11656246	A	G	-0.356	0.027	0.241	6.48E-41	-0.010	0.011	0.370	0.046	179.325	TRUE	2.02E-39
Overall asthma	RPTOR	cg03502601	rs12948647	A	G	0.284	0.046	0.125	4.87E-10	0.005	0.014	0.760	0.010	38.709	TRUE	7.70E-10
Overall asthma	RPTOR	cg03502601	rs12952861	A	G	0.445	0.029	0.202	1.26E-53	-0.012	0.012	0.310	0.060	237.551	TRUE	2.03E-51
Overall asthma	RPTOR	cg03502601	rs13341621	A	G	0.417	0.050	0.080	6.47E-17	-0.024	0.018	0.200	0.019	69.789	TRUE	3.31E-16
Overall asthma	RPTOR	cg03502601	rs149099062	A	G	1.045	0.139	0.015	6.65E-14	-0.084	0.037	0.026	0.015	56.138	TRUE	5.13E-13
Overall asthma	RPTOR	cg03502601	rs2289764	C	T	1.143	0.020	0.241	<1E-200	-0.001	0.011	0.950	0.469	3272.956	TRUE	<1E-200
Overall asthma	RPTOR	cg03502601	rs56273414	C	T	0.238	0.033	0.146	7.30E-13	-0.029	0.014	0.035	0.014	51.434	TRUE	4.40E-12
Overall asthma	RPTOR	cg03502601	rs62067893	T	C	0.393	0.070	0.037	1.65E-08	-0.025	0.026	0.350	0.009	31.852	TRUE	3.44E-08
Overall asthma	RPTOR	cg03502601	rs62068487	A	G	-0.342	0.025	0.319	2.59E-42	0.007	0.010	0.510	0.048	185.725	TRUE	7.19E-41
Overall asthma	RPTOR	cg03502601	rs7217223	T	C	0.169	0.026	0.297	6.69E-11	-0.006	0.011	0.550	0.011	42.583	TRUE	1.29E-10
Overall asthma	RPTOR	cg03502601	rs72852923	T	C	0.310	0.050	0.068	5.81E-10	-0.021	0.019	0.270	0.010	38.364	TRUE	1.46E-09
Overall asthma	RPTOR	cg03502601	rs72859646	T	C	0.645	0.068	0.026	2.96E-21	0.034	0.029	0.250	0.024	89.521	TRUE	1.90E-20
Overall asthma	RPTOR	cg03502601	rs77183052	A	G	1.147	0.170	0.012	1.39E-11	-0.062	0.044	0.160	0.012	45.658	TRUE	4.80E-11
Overall asthma	RPTOR	cg03502601	rs908235	A	G	-0.199	0.031	0.191	8.73E-11	-0.005	0.012	0.670	0.011	42.065	TRUE	1.54E-10
Overall asthma	RPTOR	cg03513049	rs112356065	G	T	0.177	0.028	0.224	3.83E-10	-0.007	0.011	0.560	0.010	39.174	TRUE	7.22E-10
Overall asthma	RPTOR	cg03513049	rs1131609	A	G	-0.251	0.027	0.243	4.09E-21	-0.023	0.011	0.035	0.023	88.884	TRUE	5.87E-20
Overall asthma	RPTOR	cg03513049	rs2291360	A	G	0.222	0.025	0.367	3.44E-19	0.006	0.010	0.530	0.021	80.125	TRUE	1.17E-18
Overall asthma	RPTOR	cg03513049	rs28742979	G	A	-0.245	0.027	0.262	1.34E-19	-0.006	0.011	0.590	0.022	81.989	TRUE	4.41E-19
Overall asthma	RPTOR	cg03513049	rs58691767	T	C	-1.137	0.040	0.084	7.76E-178	-0.002	0.017	0.890	0.179	808.036	TRUE	1.46E-164
Overall asthma	RPTOR	cg03513049	rs9890103	C	G	-0.176	0.024	0.353	6.50E-13	-0.006	0.010	0.520	0.014	51.663	TRUE	1.48E-12
Overall asthma	RPTOR	cg03513049	rs9895714	C	A	0.229	0.023	0.426	5.87E-23	0.006	0.010	0.510	0.026	97.277	TRUE	2.70E-22
Overall asthma	RPTOR	cg03533386	rs11652074	A	G	-0.287	0.036	0.117	3.79E-15	0.015	0.015	0.330	0.016	61.773	TRUE	1.30E-14
Overall asthma	RPTOR	cg03533386	rs72853711	C	T	0.201	0.036	0.115	3.12E-08	-0.046	0.015	0.003	0.008	30.617	TRUE	1.92E-07
Overall asthma	RPTOR	cg03533386	rs8064620	T	G	-0.136	0.024	0.382	1.20E-08	0.017	0.010	0.078	0.009	32.473	TRUE	3.85E-08
Overall asthma	RPTOR	cg03641032	rs113335931	G	A	-0.393	0.032	0.150	3.37E-34	-0.010	0.014	0.460	0.039	148.601	TRUE	4.27E-33
Overall asthma	RPTOR	cg03641032	rs2672878	T	C	0.260	0.026	0.263	3.34E-23	-0.008	0.011	0.440	0.026	98.395	TRUE	1.71E-22
Overall asthma	RPTOR	cg03641032	rs2878052	A	G	0.898	0.025	0.228	7.37E-287	0.000	0.011	0.970	0.261	1309.351	TRUE	7.48E-256
Overall asthma	RPTOR	cg03641032	rs4969285	G	C	-0.409	0.025	0.333	1.41E-61	-0.003	0.010	0.770	0.069	274.007	TRUE	2.28E-59
Overall asthma	RPTOR	cg03641032	rs547581211	A	T	0.330	0.059	0.036	1.92E-08	0.044	0.022	0.042	0.008	31.560	TRUE	6.95E-08
Overall asthma	RPTOR	cg03641032	rs56960771	T	C	0.181	0.025	0.310	8.09E-13	-0.006	0.010	0.550	0.014	51.233	TRUE	1.80E-12

Overall asthma	RPTOR	cg03641032	rs62068550	A	G	-0.691	0.034	0.143	9.41E-93	0.012	0.014	0.390	0.101	417.081	TRUE	5.97E-88
Overall asthma	RPTOR	cg03641032	rs74004829	C	T	0.401	0.043	0.092	1.99E-20	0.000	0.017	1.000	0.023	85.758	TRUE	4.25E-20
Overall asthma	RPTOR	cg03641032	rs868432	A	G	0.773	0.020	0.444	<1E-200	-0.007	0.010	0.480	0.281	1443.188	TRUE	3.82E-278
Overall asthma	RPTOR	cg03641032	rs9897319	A	G	0.377	0.025	0.354	3.13E-52	-0.001	0.010	0.910	0.059	231.158	TRUE	1.18E-50
Overall asthma	RPTOR	cg03641032	rs9897437	C	A	-0.627	0.033	0.131	1.98E-78	0.001	0.014	0.950	0.087	351.330	TRUE	2.47E-75
Overall asthma	RPTOR	cg03794617	rs11150745	G	A	-0.338	0.025	0.314	1.48E-41	-0.011	0.010	0.300	0.047	182.257	TRUE	6.40E-40
Overall asthma	RPTOR	cg03794617	rs11655574	A	G	0.153	0.025	0.361	1.00E-09	0.006	0.010	0.590	0.010	37.300	TRUE	1.79E-09
Overall asthma	RPTOR	cg03794617	rs28377011	C	T	-0.231	0.042	0.082	3.90E-08	-0.033	0.018	0.063	0.008	30.181	TRUE	1.25E-07
Overall asthma	RPTOR	cg03794617	rs4969424	A	C	0.518	0.037	0.117	1.19E-45	0.021	0.015	0.160	0.052	201.019	TRUE	1.22E-43
Overall asthma	RPTOR	cg03794617	rs62070202	T	C	-0.292	0.042	0.079	3.32E-12	-0.012	0.017	0.490	0.013	48.462	TRUE	7.58E-12
Overall asthma	RPTOR	cg03794617	rs7210110	A	G	-0.385	0.029	0.200	2.10E-39	0.002	0.012	0.900	0.045	172.412	TRUE	2.16E-38
Overall asthma	RPTOR	cg03794617	rs8069320	C	A	-0.169	0.024	0.490	8.73E-13	-0.005	0.010	0.590	0.014	51.083	TRUE	1.85E-12
Overall asthma	RPTOR	cg03890538	rs11658452	G	A	0.318	0.027	0.244	4.17E-32	0.008	0.011	0.470	0.036	139.033	TRUE	4.42E-31
Overall asthma	RPTOR	cg03890538	rs1468032	T	A	-0.150	0.025	0.340	1.06E-09	-0.009	0.010	0.360	0.010	37.182	TRUE	2.34E-09
Overall asthma	RPTOR	cg03890538	rs34048269	A	G	0.213	0.030	0.205	6.71E-13	0.006	0.012	0.610	0.014	51.600	TRUE	1.40E-12
Overall asthma	RPTOR	cg04191427	rs11150746	G	A	0.239	0.025	0.332	5.44E-22	-0.003	0.010	0.790	0.024	92.872	TRUE	1.63E-21
Overall asthma	RPTOR	cg04191427	rs62067889	G	C	-0.180	0.030	0.199	1.27E-09	0.015	0.012	0.200	0.010	36.843	TRUE	3.38E-09
Overall asthma	RPTOR	cg04295549	rs2340773	T	C	-0.355	0.037	0.116	3.64E-22	0.021	0.015	0.160	0.025	93.665	TRUE	3.12E-21
Overall asthma	RPTOR	cg04295549	rs62648832	G	A	-0.148	0.023	0.440	1.31E-10	0.001	0.010	0.890	0.011	41.273	TRUE	1.91E-10
Overall asthma	RPTOR	cg04658243	rs1128687	C	T	-0.138	0.024	0.420	4.36E-09	0.016	0.010	0.087	0.009	34.436	TRUE	1.41E-08
Overall asthma	RPTOR	cg04658243	rs11868966	C	A	1.049	0.028	0.167	<1E-200	-0.011	0.013	0.410	0.280	1441.589	TRUE	1.15E-277
Overall asthma	RPTOR	cg04658243	rs13341621	A	G	0.377	0.050	0.080	4.66E-14	-0.024	0.018	0.200	0.015	56.839	TRUE	1.88E-13
Overall asthma	RPTOR	cg04658243	rs149099062	A	G	0.951	0.140	0.015	9.65E-12	-0.084	0.037	0.026	0.012	46.372	TRUE	5.88E-11
Overall asthma	RPTOR	cg04658243	rs55993113	G	A	0.156	0.028	0.219	2.67E-08	0.001	0.012	0.930	0.008	30.916	TRUE	3.42E-08
Overall asthma	RPTOR	cg04658243	rs56273414	C	T	0.238	0.033	0.146	8.54E-13	-0.029	0.014	0.035	0.014	51.127	TRUE	5.11E-12
Overall asthma	RPTOR	cg04658243	rs62067893	T	C	0.402	0.070	0.037	7.66E-09	-0.025	0.026	0.350	0.009	33.343	TRUE	1.64E-08
Overall asthma	RPTOR	cg04658243	rs62068487	A	G	-0.254	0.025	0.319	8.99E-24	0.007	0.010	0.510	0.027	100.990	TRUE	4.54E-23
Overall asthma	RPTOR	cg04658243	rs7208823	G	A	0.163	0.028	0.247	3.66E-09	-0.004	0.011	0.740	0.009	34.780	TRUE	5.59E-09
Overall asthma	RPTOR	cg04658243	rs7502321	C	T	0.147	0.024	0.386	9.53E-10	0.010	0.010	0.330	0.010	37.399	TRUE	2.18E-09
Overall asthma	RPTOR	cg04658243	rs7502841	A	G	0.380	0.027	0.232	5.45E-44	-0.004	0.011	0.740	0.050	193.406	TRUE	1.15E-42
Overall asthma	RPTOR	cg04662369	rs11150747	T	C	-0.331	0.027	0.249	3.22E-34	-0.008	0.011	0.480	0.039	148.692	TRUE	4.06E-33
Overall asthma	RPTOR	cg04662369	rs11651724	A	G	-0.466	0.037	0.117	7.94E-37	0.015	0.015	0.330	0.042	160.617	TRUE	1.82E-35
Overall asthma	RPTOR	cg04662369	rs117209908	A	G	-0.530	0.050	0.059	5.47E-26	-0.013	0.020	0.510	0.029	111.096	TRUE	3.16E-25
Overall asthma	RPTOR	cg04662369	rs118107399	T	C	1.294	0.148	0.014	1.96E-18	-0.024	0.044	0.590	0.020	76.684	TRUE	5.93E-18
Overall asthma	RPTOR	cg04662369	rs12949279	C	T	0.869	0.018	0.440	<1E-200	0.002	0.010	0.870	0.374	2211.170	TRUE	<1E-200
Overall asthma	RPTOR	cg04662369	rs2340772	C	A	1.156	0.034	0.117	4.08E-249	0.021	0.015	0.160	0.235	1135.772	TRUE	3.27E-223
Overall asthma	RPTOR	cg04662369	rs2589139	C	G	0.208	0.025	0.297	1.18E-16	-0.002	0.010	0.840	0.018	68.612	TRUE	2.42E-16
Overall asthma	RPTOR	cg04662369	rs28364735	C	T	-0.242	0.025	0.280	1.55E-21	0.003	0.010	0.790	0.024	90.798	TRUE	4.56E-21
Overall asthma	RPTOR	cg04662369	rs4426398	T	C	0.228	0.034	0.139	1.28E-11	-0.025	0.014	0.072	0.012	45.818	TRUE	5.65E-11
Overall asthma	RPTOR	cg04662369	rs4453556	G	A	0.133	0.024	0.417	2.18E-08	-0.003	0.010	0.790	0.008	31.311	TRUE	3.10E-08
Overall asthma	RPTOR	cg04662369	rs4969282	T	G	0.198	0.033	0.139	2.90E-09	0.020	0.014	0.160	0.009	35.232	TRUE	8.31E-09
Overall asthma	RPTOR	cg04662369	rs4969427	A	G	-0.325	0.031	0.179	3.13E-26	-0.010	0.013	0.430	0.029	112.203	TRUE	2.08E-25

Overall asthma	RPTOR	cg04662369	rs56111062	G	A	-0.344	0.024	0.379	4.48E-47	0.003	0.010	0.800	0.053	207.536	TRUE	1.16E-45
Overall asthma	RPTOR	cg04662369	rs62067893	T	C	-0.666	0.069	0.037	6.76E-22	-0.025	0.026	0.350	0.024	92.441	TRUE	3.79E-21
Overall asthma	RPTOR	cg04662369	rs72858264	C	A	0.497	0.066	0.031	5.47E-14	-0.038	0.028	0.170	0.015	56.521	TRUE	2.23E-13
Overall asthma	RPTOR	cg04789650	rs113059224	A	G	-0.273	0.043	0.070	2.52E-10	0.009	0.016	0.580	0.011	39.994	TRUE	4.63E-10
Overall asthma	RPTOR	cg04789650	rs11548824	A	G	-0.247	0.034	0.154	1.81E-13	0.021	0.012	0.088	0.014	54.171	TRUE	9.29E-13
Overall asthma	RPTOR	cg04789650	rs117763980	T	C	-0.481	0.055	0.043	1.62E-18	-0.014	0.023	0.550	0.020	77.061	TRUE	5.20E-18
Overall asthma	RPTOR	cg04789650	rs139078473	A	G	-0.341	0.051	0.052	2.64E-11	0.030	0.021	0.140	0.012	44.407	TRUE	9.00E-11
Overall asthma	RPTOR	cg04789650	rs2004184	C	T	-0.401	0.026	0.265	4.39E-54	-0.010	0.011	0.360	0.061	239.651	TRUE	6.32E-52
Overall asthma	RPTOR	cg04789650	rs34781048	A	G	-0.331	0.024	0.434	6.33E-44	-0.002	0.010	0.800	0.050	193.107	TRUE	1.17E-42
Overall asthma	RPTOR	cg04789650	rs4969300	A	G	0.593	0.035	0.120	7.28E-65	-0.005	0.015	0.760	0.072	289.083	TRUE	1.83E-62
Overall asthma	RPTOR	cg04789650	rs55803650	A	C	-0.525	0.092	0.017	1.29E-08	-0.078	0.035	0.025	0.009	32.325	TRUE	5.40E-08
Overall asthma	RPTOR	cg04789650	rs56960771	T	C	-0.199	0.025	0.310	3.14E-15	-0.006	0.010	0.550	0.017	62.145	TRUE	8.09E-15
Overall asthma	RPTOR	cg04789650	rs67198902	G	T	-0.277	0.031	0.186	1.58E-19	0.001	0.012	0.940	0.022	81.666	TRUE	3.40E-19
Overall asthma	RPTOR	cg04789650	rs7225241	T	C	-0.216	0.035	0.137	5.12E-10	0.012	0.014	0.400	0.010	38.609	TRUE	1.12E-09
Overall asthma	RPTOR	cg04789650	rs72850576	A	C	0.226	0.033	0.155	5.05E-12	-0.021	0.013	0.110	0.013	47.641	TRUE	2.07E-11
Overall asthma	RPTOR	cg04789650	rs7503237	G	A	0.852	0.020	0.449	<1E-200	0.005	0.010	0.630	0.340	1908.217	TRUE	<1E-200
Overall asthma	RPTOR	cg04789650	rs9903399	C	T	-0.312	0.041	0.222	1.45E-14	-0.007	0.011	0.520	0.016	59.137	TRUE	3.75E-14
Overall asthma	RPTOR	cg05064567	rs11656061	A	G	0.209	0.024	0.436	2.06E-18	0.005	0.010	0.580	0.020	76.592	TRUE	6.24E-18
Overall asthma	RPTOR	cg05064567	rs12952861	A	G	-0.248	0.029	0.202	1.80E-17	-0.012	0.012	0.310	0.019	72.315	TRUE	7.37E-17
Overall asthma	RPTOR	cg05064567	rs13341621	A	G	-0.326	0.050	0.080	6.74E-11	-0.024	0.018	0.200	0.011	42.569	TRUE	2.10E-10
Overall asthma	RPTOR	cg05064567	rs2289766	G	A	-0.904	0.030	0.167	4.19E-196	-0.016	0.013	0.210	0.194	892.018	TRUE	5.34E-179
Overall asthma	RPTOR	cg05064567	rs4969307	C	G	-0.166	0.025	0.357	1.46E-11	0.003	0.010	0.770	0.012	45.556	TRUE	2.47E-11
Overall asthma	RPTOR	cg05064567	rs6565489	A	C	-0.204	0.024	0.455	4.86E-18	-0.005	0.010	0.590	0.020	74.896	TRUE	1.43E-17
Overall asthma	RPTOR	cg05064567	rs9912092	G	A	-0.222	0.023	0.499	7.63E-22	0.009	0.010	0.370	0.024	92.201	TRUE	4.02E-21
Overall asthma	RPTOR	cg05098037	rs11150745	G	A	-0.281	0.025	0.314	7.03E-29	-0.011	0.010	0.300	0.033	124.293	TRUE	8.29E-28
Overall asthma	RPTOR	cg05098037	rs11655574	A	G	0.172	0.025	0.361	6.74E-12	0.006	0.010	0.590	0.013	47.075	TRUE	1.36E-11
Overall asthma	RPTOR	cg05098037	rs118107399	T	C	0.937	0.149	0.014	2.83E-10	-0.024	0.044	0.590	0.011	39.764	TRUE	5.20E-10
Overall asthma	RPTOR	cg05098037	rs12940318	T	C	-0.214	0.024	0.431	1.87E-19	0.005	0.010	0.590	0.022	81.323	TRUE	6.04E-19
Overall asthma	RPTOR	cg05098037	rs28872794	C	T	-0.191	0.024	0.493	3.96E-16	-0.006	0.010	0.520	0.018	66.219	TRUE	1.12E-15
Overall asthma	RPTOR	cg05098037	rs35926934	A	G	0.882	0.036	0.117	1.62E-135	0.023	0.015	0.130	0.142	613.522	TRUE	6.09E-126
Overall asthma	RPTOR	cg05098037	rs62070202	T	C	-0.257	0.042	0.079	9.38E-10	-0.012	0.017	0.490	0.010	37.430	TRUE	1.84E-09
Overall asthma	RPTOR	cg05098037	rs734338	A	G	-0.187	0.023	0.497	1.34E-15	0.001	0.010	0.940	0.017	63.817	TRUE	2.36E-15
Overall asthma	RPTOR	cg05337636	rs10468603	C	T	-0.268	0.024	0.413	2.45E-29	0.002	0.010	0.860	0.033	126.378	TRUE	1.13E-28
Overall asthma	RPTOR	cg05337636	rs11150746	G	A	-0.164	0.025	0.332	3.86E-11	-0.003	0.010	0.790	0.012	43.659	TRUE	6.24E-11
Overall asthma	RPTOR	cg05337636	rs12948054	T	C	0.240	0.040	0.091	1.37E-09	-0.010	0.015	0.520	0.010	36.695	TRUE	2.58E-09
Overall asthma	RPTOR	cg05337636	rs4969429	A	G	-0.190	0.026	0.273	5.76E-13	0.008	0.011	0.450	0.014	51.899	TRUE	1.41E-12
Overall asthma	RPTOR	cg05395366	rs2271607	C	T	0.417	0.029	0.220	4.17E-48	0.002	0.012	0.840	0.054	212.258	TRUE	1.13E-46
Overall asthma	RPTOR	cg05395366	rs7220687	C	T	0.143	0.026	0.289	3.77E-08	0.002	0.011	0.890	0.008	30.249	TRUE	4.94E-08
Overall asthma	RPTOR	cg05548508	rs4969277	T	C	0.250	0.030	0.184	1.61E-16	0.006	0.013	0.650	0.018	67.991	TRUE	3.97E-16
Overall asthma	RPTOR	cg05651511	rs117429647	G	A	-0.369	0.061	0.039	1.41E-09	0.001	0.024	0.960	0.010	36.634	TRUE	1.86E-09
Overall asthma	RPTOR	cg05651511	rs12942109	G	A	0.237	0.024	0.417	7.45E-24	-0.004	0.010	0.670	0.027	101.363	TRUE	2.93E-23
Overall asthma	RPTOR	cg05651511	rs72858219	A	G	-0.218	0.029	0.212	1.93E-14	-0.004	0.012	0.770	0.016	58.572	TRUE	3.75E-14

Overall asthma	RPTOR	cg05651511	rs8080789	A	G	0.360	0.037	0.118	7.36E-23	0.022	0.015	0.140	0.026	96.829	TRUE	7.15E-22
Overall asthma	RPTOR	cg05651511	rs9893680	G	T	-0.160	0.024	0.383	3.76E-11	-0.016	0.010	0.110	0.012	43.713	TRUE	1.41E-10
Overall asthma	RPTOR	cg05651511	rs9894401	A	G	-0.395	0.027	0.255	1.31E-48	-0.006	0.011	0.600	0.055	214.566	TRUE	5.79E-47
Overall asthma	RPTOR	cg05774614	rs1128687	C	T	-0.181	0.024	0.420	1.53E-14	0.016	0.010	0.087	0.016	59.027	TRUE	8.18E-14
Overall asthma	RPTOR	cg05774614	rs113714895	T	C	-0.270	0.043	0.080	2.67E-10	0.006	0.016	0.720	0.011	39.880	TRUE	4.36E-10
Overall asthma	RPTOR	cg05774614	rs11653179	A	G	0.169	0.031	0.174	3.72E-08	0.000	0.013	0.980	0.008	30.273	TRUE	4.59E-08
Overall asthma	RPTOR	cg05774614	rs11656246	A	G	-0.446	0.026	0.241	4.04E-64	-0.010	0.011	0.370	0.072	285.669	TRUE	2.35E-61
Overall asthma	RPTOR	cg05774614	rs12948647	A	G	0.306	0.046	0.125	2.09E-11	0.005	0.014	0.760	0.012	44.864	TRUE	3.53E-11
Overall asthma	RPTOR	cg05774614	rs12952861	A	G	0.407	0.029	0.202	5.30E-45	-0.012	0.012	0.310	0.051	198.040	TRUE	2.97E-43
Overall asthma	RPTOR	cg05774614	rs13341621	A	G	0.471	0.050	0.080	3.11E-21	-0.024	0.018	0.200	0.024	89.422	TRUE	2.31E-20
Overall asthma	RPTOR	cg05774614	rs149099062	A	G	1.173	0.139	0.015	3.43E-17	-0.084	0.037	0.026	0.019	71.043	TRUE	3.77E-16
Overall asthma	RPTOR	cg05774614	rs2289764	C	T	0.960	0.024	0.241	<1E-200	-0.001	0.011	0.950	0.310	1660.882	TRUE	<1E-200
Overall asthma	RPTOR	cg05774614	rs56068957	C	A	0.142	0.024	0.470	1.84E-09	0.015	0.010	0.120	0.010	36.116	TRUE	5.74E-09
Overall asthma	RPTOR	cg05774614	rs56273414	C	T	0.256	0.033	0.146	1.33E-14	-0.029	0.014	0.035	0.016	59.297	TRUE	9.62E-14
Overall asthma	RPTOR	cg05774614	rs62068550	A	G	-0.256	0.035	0.143	1.37E-13	0.012	0.014	0.390	0.015	54.724	TRUE	3.79E-13
Overall asthma	RPTOR	cg05774614	rs72853711	C	T	0.244	0.037	0.115	3.38E-11	-0.046	0.015	0.003	0.012	43.919	TRUE	3.17E-10
Overall asthma	RPTOR	cg05774614	rs7502321	C	T	0.191	0.024	0.386	2.15E-15	0.010	0.010	0.330	0.017	62.886	TRUE	7.37E-15
Overall asthma	RPTOR	cg05774614	rs75856682	T	C	0.539	0.085	0.044	2.75E-10	-0.024	0.023	0.300	0.011	39.825	TRUE	6.82E-10
Overall asthma	RPTOR	cg05774614	rs8073904	G	A	0.187	0.033	0.141	1.92E-08	-0.004	0.014	0.760	0.008	31.557	TRUE	2.80E-08
Overall asthma	RPTOR	cg05774614	rs908236	C	G	0.306	0.025	0.351	9.72E-36	0.003	0.010	0.770	0.040	155.641	TRUE	8.75E-35
Overall asthma	RPTOR	cg05774614	rs9897319	A	G	-0.190	0.025	0.354	4.06E-14	-0.001	0.010	0.910	0.015	57.108	TRUE	6.80E-14
Overall asthma	RPTOR	cg06153925	rs114101526	T	C	-0.263	0.042	0.085	5.37E-10	-0.040	0.018	0.027	0.010	38.517	TRUE	2.61E-09
Overall asthma	RPTOR	cg06153925	rs118107399	T	C	1.323	0.148	0.014	3.16E-19	-0.024	0.044	0.590	0.021	80.291	TRUE	1.01E-18
Overall asthma	RPTOR	cg06153925	rs11869626	C	A	0.161	0.023	0.476	5.68E-12	0.016	0.010	0.096	0.013	47.413	TRUE	2.40E-11
Overall asthma	RPTOR	cg06153925	rs2004184	C	T	-0.157	0.026	0.265	2.17E-09	-0.010	0.011	0.360	0.010	35.796	TRUE	4.60E-09
Overall asthma	RPTOR	cg06153925	rs2672901	T	C	0.380	0.024	0.353	2.88E-55	0.008	0.010	0.400	0.062	245.074	TRUE	4.54E-53
Overall asthma	RPTOR	cg06153925	rs72853745	T	C	-0.357	0.036	0.118	3.69E-23	-0.026	0.015	0.083	0.026	98.193	TRUE	4.73E-22
Overall asthma	RPTOR	cg06153925	rs72855137	A	G	-0.182	0.029	0.197	5.75E-10	0.002	0.012	0.850	0.010	38.385	TRUE	8.38E-10
Overall asthma	RPTOR	cg06153925	rs72858219	A	G	-0.306	0.028	0.212	5.82E-27	-0.004	0.012	0.770	0.030	115.534	TRUE	2.53E-26
Overall asthma	RPTOR	cg06153925	rs72859613	T	C	0.517	0.073	0.020	1.52E-12	0.044	0.032	0.170	0.013	49.991	TRUE	5.58E-12
Overall asthma	RPTOR	cg06153925	rs76584516	G	A	1.207	0.032	0.118	<1E-200	0.028	0.015	0.064	0.277	1416.642	TRUE	7.16E-272
Overall asthma	RPTOR	cg06153925	rs8069962	G	A	0.148	0.023	0.471	2.27E-10	0.002	0.010	0.840	0.011	40.198	TRUE	3.39E-10
Overall asthma	RPTOR	cg06153925	rs9894401	A	G	-0.465	0.027	0.255	1.46E-67	-0.006	0.011	0.600	0.075	301.459	TRUE	7.55E-65
Overall asthma	RPTOR	cg06153925	rs9895714	C	A	0.360	0.023	0.426	3.31E-55	0.006	0.010	0.510	0.062	244.799	TRUE	3.95E-53
Overall asthma	RPTOR	cg06154633	rs11653319	T	C	-0.150	0.027	0.291	3.47E-08	-0.004	0.011	0.710	0.008	30.408	TRUE	5.15E-08
Overall asthma	RPTOR	cg06154633	rs12944674	A	G	-0.226	0.025	0.326	7.60E-20	-0.008	0.010	0.440	0.022	83.106	TRUE	3.12E-19
Overall asthma	RPTOR	cg06154633	rs2589129	A	G	-0.381	0.023	0.487	2.43E-62	-0.007	0.010	0.450	0.070	277.507	TRUE	8.67E-60
Overall asthma	RPTOR	cg06154633	rs7222906	C	T	0.215	0.029	0.202	1.82E-13	-0.009	0.012	0.470	0.014	54.166	TRUE	4.50E-13
Overall asthma	RPTOR	cg06154633	rs77183052	A	G	-1.207	0.170	0.012	1.07E-12	-0.062	0.044	0.160	0.014	50.687	TRUE	4.05E-12
Overall asthma	RPTOR	cg06154633	rs9897319	A	G	-0.145	0.025	0.354	7.92E-09	-0.001	0.010	0.910	0.009	33.277	TRUE	1.05E-08
Overall asthma	RPTOR	cg06343673	rs12943620	T	G	0.163	0.027	0.225	2.28E-09	-0.024	0.011	0.033	0.010	35.700	TRUE	1.01E-08
Overall asthma	RPTOR	cg06343673	rs2090204	T	G	0.250	0.033	0.132	3.97E-14	0.027	0.014	0.047	0.015	57.154	TRUE	2.46E-13

Overall asthma	RPTOR	cg06343673	rs35327093	T	C	0.214	0.029	0.209	2.04E-13	0.016	0.012	0.180	0.014	53.937	TRUE	7.80E-13
Overall asthma	RPTOR	cg06343673	rs4889856	C	T	-0.260	0.023	0.435	6.51E-29	0.002	0.010	0.800	0.033	124.446	TRUE	3.13E-28
Overall asthma	RPTOR	cg06343673	rs60024815	T	A	0.214	0.027	0.251	1.52E-15	-0.002	0.011	0.880	0.017	63.567	TRUE	2.81E-15
Overall asthma	RPTOR	cg06343673	rs61735242	T	C	-0.399	0.039	0.103	1.22E-24	0.001	0.015	0.950	0.028	104.938	TRUE	3.58E-24
Overall asthma	RPTOR	cg06343673	rs72849959	C	A	-0.819	0.059	0.044	7.30E-44	0.026	0.023	0.260	0.050	192.825	TRUE	4.26E-42
Overall asthma	RPTOR	cg06343673	rs72853728	C	T	-0.260	0.034	0.144	8.28E-15	-0.004	0.014	0.770	0.016	60.234	TRUE	1.64E-14
Overall asthma	RPTOR	cg06343673	rs9889802	G	C	-1.168	0.024	0.184	<1E-200	0.006	0.013	0.640	0.386	2322.301	TRUE	<1E-200
Overall asthma	RPTOR	cg06412669	rs11150746	G	A	0.196	0.025	0.332	3.07E-15	-0.003	0.010	0.790	0.017	62.190	TRUE	6.12E-15
Overall asthma	RPTOR	cg06412669	rs4969425	A	G	-0.278	0.025	0.320	2.13E-28	0.004	0.010	0.670	0.032	122.095	TRUE	1.20E-27
Overall asthma	RPTOR	cg06418238	rs114177791	T	G	-0.333	0.028	0.215	7.55E-32	-0.003	0.012	0.770	0.036	137.855	TRUE	4.73E-31
Overall asthma	RPTOR	cg06418238	rs117117100	A	G	-0.425	0.076	0.024	1.76E-08	0.015	0.029	0.610	0.009	31.730	TRUE	2.87E-08
Overall asthma	RPTOR	cg06418238	rs117209908	A	G	-0.407	0.050	0.059	6.64E-16	-0.013	0.020	0.510	0.017	65.202	TRUE	1.85E-15
Overall asthma	RPTOR	cg06418238	rs118107399	T	C	1.423	0.147	0.014	4.69E-22	-0.024	0.044	0.590	0.025	93.163	TRUE	1.82E-21
Overall asthma	RPTOR	cg06418238	rs11869626	C	A	0.180	0.023	0.476	1.51E-14	0.016	0.010	0.096	0.016	59.050	TRUE	8.09E-14
Overall asthma	RPTOR	cg06418238	rs2672901	T	C	0.423	0.024	0.353	1.22E-68	0.008	0.010	0.400	0.076	306.412	TRUE	1.25E-65
Overall asthma	RPTOR	cg06418238	rs4561525	A	G	-0.162	0.030	0.192	4.44E-08	-0.002	0.012	0.900	0.008	29.931	TRUE	5.76E-08
Overall asthma	RPTOR	cg06418238	rs60513142	A	G	-0.516	0.027	0.249	2.92E-82	-0.004	0.011	0.750	0.091	368.911	TRUE	1.06E-78
Overall asthma	RPTOR	cg06418238	rs72853719	T	C	-0.279	0.042	0.090	2.69E-11	-0.041	0.018	0.020	0.012	44.369	TRUE	1.56E-10
Overall asthma	RPTOR	cg06418238	rs72856013	A	G	-0.347	0.036	0.120	4.06E-22	-0.025	0.015	0.110	0.025	93.449	TRUE	4.42E-21
Overall asthma	RPTOR	cg06418238	rs72859613	T	C	0.515	0.073	0.020	1.79E-12	0.044	0.032	0.170	0.013	49.674	TRUE	6.51E-12
Overall asthma	RPTOR	cg06418238	rs76584516	G	A	1.319	0.031	0.118	<1E-200	0.028	0.015	0.064	0.327	1796.694	TRUE	<1E-200
Overall asthma	RPTOR	cg06418238	rs8069962	G	A	0.209	0.023	0.471	1.99E-19	0.002	0.010	0.840	0.021	81.209	TRUE	4.76E-19
Overall asthma	RPTOR	cg06418238	rs9895714	C	A	0.383	0.023	0.426	8.58E-63	0.006	0.010	0.510	0.070	279.584	TRUE	2.81E-60
Overall asthma	RPTOR	cg06443231	rs1471791	A	G	-0.218	0.029	0.199	7.59E-14	0.015	0.012	0.210	0.015	55.878	TRUE	2.83E-13
Overall asthma	RPTOR	cg06469955	rs11150762	T	C	-0.240	0.031	0.166	9.34E-15	0.009	0.013	0.510	0.016	59.999	TRUE	2.42E-14
Overall asthma	RPTOR	cg06469955	rs1137045	G	A	-0.142	0.023	0.472	7.53E-10	-0.003	0.010	0.800	0.010	37.857	TRUE	1.14E-09
Overall asthma	RPTOR	cg06469955	rs4969285	G	C	-0.163	0.025	0.333	1.02E-10	-0.003	0.010	0.770	0.011	41.753	TRUE	1.66E-10
Overall asthma	RPTOR	cg06469955	rs4969303	A	G	-1.063	0.030	0.132	3.05E-273	0.001	0.014	0.970	0.252	1246.728	TRUE	8.21E-245
Overall asthma	RPTOR	cg06469955	rs72857988	T	C	-0.403	0.050	0.050	8.41E-16	-0.004	0.020	0.860	0.017	64.737	TRUE	1.62E-15
Overall asthma	RPTOR	cg06469955	rs868432	A	G	0.331	0.023	0.444	2.37E-46	-0.007	0.010	0.480	0.052	204.219	TRUE	1.05E-44
Overall asthma	RPTOR	cg06469955	rs9897841	C	T	0.220	0.024	0.498	1.93E-20	-0.004	0.010	0.700	0.023	85.815	TRUE	5.80E-20
Overall asthma	RPTOR	cg06469955	rs9915393	G	C	0.292	0.027	0.258	1.38E-27	-0.004	0.011	0.720	0.031	118.384	TRUE	6.72E-27
Overall asthma	RPTOR	cg06617879	rs2289762	A	G	0.357	0.026	0.245	1.47E-41	-0.009	0.011	0.390	0.047	182.280	TRUE	4.53E-40
Overall asthma	RPTOR	cg06617879	rs868432	A	G	0.139	0.023	0.444	2.00E-09	-0.007	0.010	0.480	0.010	35.959	TRUE	3.84E-09
Overall asthma	RPTOR	cg06673969	rs117429647	G	A	-0.668	0.060	0.039	6.74E-29	0.001	0.024	0.960	0.033	124.377	TRUE	2.62E-28
Overall asthma	RPTOR	cg06872548	rs114177791	T	G	-0.373	0.028	0.215	9.24E-40	-0.003	0.012	0.770	0.045	174.044	TRUE	1.17E-38
Overall asthma	RPTOR	cg06872548	rs11651724	A	G	-0.366	0.037	0.117	3.10E-23	0.015	0.015	0.330	0.026	98.541	TRUE	2.01E-22
Overall asthma	RPTOR	cg06872548	rs118099953	T	C	-0.829	0.063	0.036	9.42E-40	-0.001	0.024	0.980	0.045	174.004	TRUE	8.78E-39
Overall asthma	RPTOR	cg06872548	rs118107399	T	C	1.287	0.148	0.014	2.97E-18	-0.024	0.044	0.590	0.020	75.872	TRUE	8.85E-18
Overall asthma	RPTOR	cg06872548	rs12945810	T	C	0.313	0.024	0.413	1.72E-40	-0.005	0.010	0.620	0.046	177.383	TRUE	3.13E-39
Overall asthma	RPTOR	cg06872548	rs35904260	G	A	0.296	0.023	0.445	6.37E-37	0.000	0.010	1.000	0.042	161.054	TRUE	4.48E-36
Overall asthma	RPTOR	cg06872548	rs57673311	C	G	-0.667	0.026	0.249	2.05E-141	-0.003	0.011	0.770	0.148	640.625	TRUE	1.98E-132

Overall asthma	RPTOR	cg06872548	rs62067876	A	G	0.276	0.042	0.086	4.22E-11	-0.002	0.017	0.910	0.012	43.486	TRUE	6.16E-11
Overall asthma	RPTOR	cg06872548	rs62067893	T	C	-0.577	0.069	0.037	9.31E-17	-0.025	0.026	0.350	0.018	69.073	TRUE	3.50E-16
Overall asthma	RPTOR	cg06872548	rs7217825	C	T	1.116	0.034	0.119	3.00E-232	0.021	0.015	0.160	0.222	1058.212	TRUE	3.02E-209
Overall asthma	RPTOR	cg06872548	rs72856013	A	G	-0.368	0.036	0.120	9.72E-25	-0.025	0.015	0.110	0.028	105.395	TRUE	1.37E-23
Overall asthma	RPTOR	cg06908052	rs12951596	T	C	-0.367	0.033	0.134	5.05E-29	0.002	0.014	0.870	0.033	124.948	TRUE	2.24E-28
Overall asthma	RPTOR	cg06975080	rs11150741	G	A	0.299	0.025	0.366	2.67E-34	0.006	0.010	0.530	0.039	149.060	TRUE	3.10E-33
Overall asthma	RPTOR	cg06975080	rs1131609	A	G	0.158	0.027	0.243	3.17E-09	-0.023	0.011	0.035	0.009	35.058	TRUE	1.31E-08
Overall asthma	RPTOR	cg06975080	rs117559611	C	T	0.260	0.030	0.194	2.41E-18	0.015	0.012	0.200	0.020	76.282	TRUE	1.30E-17
Overall asthma	RPTOR	cg06975080	rs57678654	T	C	0.165	0.024	0.380	6.99E-12	-0.007	0.010	0.500	0.013	47.006	TRUE	1.53E-11
Overall asthma	RPTOR	cg06975080	rs61391154	T	G	-0.526	0.024	0.340	1.20E-106	0.006	0.010	0.530	0.115	480.896	TRUE	7.60E-101
Overall asthma	RPTOR	cg06975080	rs7207154	C	T	0.292	0.052	0.131	1.68E-08	-0.002	0.014	0.880	0.009	31.820	TRUE	2.24E-08
Overall asthma	RPTOR	cg06975080	rs72851580	T	A	-0.376	0.057	0.048	5.71E-11	0.014	0.022	0.540	0.011	42.896	TRUE	1.15E-10
Overall asthma	RPTOR	cg06975080	rs76315174	G	A	-0.399	0.062	0.054	9.72E-11	0.001	0.021	0.940	0.011	41.854	TRUE	1.36E-10
Overall asthma	RPTOR	cg07078467	rs7215994	G	A	-0.153	0.024	0.333	3.97E-10	-0.013	0.010	0.190	0.010	39.107	TRUE	1.14E-09
Overall asthma	RPTOR	cg07081946	rs3751940	T	C	0.204	0.024	0.391	2.04E-17	-0.004	0.010	0.720	0.019	72.062	TRUE	4.97E-17
Overall asthma	RPTOR	cg07126783	rs114177791	T	G	0.179	0.029	0.215	3.75E-10	-0.003	0.012	0.770	0.010	39.219	TRUE	5.80E-10
Overall asthma	RPTOR	cg07126783	rs4969426	A	T	0.177	0.024	0.375	1.16E-13	0.005	0.010	0.610	0.015	55.039	TRUE	2.54E-13
Overall asthma	RPTOR	cg07126783	rs67583258	T	C	0.276	0.027	0.249	6.61E-24	-0.004	0.011	0.730	0.027	101.599	TRUE	2.43E-23
Overall asthma	RPTOR	cg07126783	rs7217174	T	C	-0.252	0.029	0.201	1.21E-17	0.001	0.012	0.910	0.019	73.101	TRUE	2.42E-17
Overall asthma	RPTOR	cg07126783	rs72853774	G	T	0.189	0.034	0.138	2.89E-08	-0.028	0.014	0.041	0.008	30.764	TRUE	1.03E-07
Overall asthma	RPTOR	cg07126783	rs75747760	T	C	-0.349	0.041	0.088	3.41E-17	0.000	0.017	0.980	0.019	71.051	TRUE	6.24E-17
Overall asthma	RPTOR	cg07434008	rs35612742	C	A	-0.195	0.028	0.225	4.46E-12	0.000	0.011	0.980	0.013	47.885	TRUE	6.40E-12
Overall asthma	RPTOR	cg07434008	rs3751938	C	T	0.189	0.025	0.326	4.65E-14	0.002	0.010	0.870	0.015	56.841	TRUE	8.05E-14
Overall asthma	RPTOR	cg07434008	rs62068550	A	G	0.238	0.034	0.143	2.97E-12	0.012	0.014	0.390	0.013	48.679	TRUE	7.53E-12
Overall asthma	RPTOR	cg07434008	rs6565484	C	T	-0.415	0.022	0.485	3.71E-77	-0.013	0.010	0.190	0.085	345.486	TRUE	3.55E-73
Overall asthma	RPTOR	cg07786220	rs118107399	T	C	0.892	0.149	0.014	1.96E-09	-0.024	0.044	0.590	0.010	35.991	TRUE	3.44E-09
Overall asthma	RPTOR	cg07786220	rs146082177	A	G	0.447	0.082	0.023	4.97E-08	-0.055	0.032	0.089	0.008	29.713	TRUE	1.49E-07
Overall asthma	RPTOR	cg07786220	rs1471791	A	G	0.692	0.029	0.199	1.87E-129	0.015	0.012	0.210	0.137	585.669	TRUE	8.01E-121
Overall asthma	RPTOR	cg07786220	rs4969429	A	G	0.204	0.026	0.273	1.12E-14	0.008	0.011	0.450	0.016	59.636	TRUE	3.07E-14
Overall asthma	RPTOR	cg07786220	rs55735336	T	C	-0.216	0.037	0.114	5.68E-09	-0.006	0.015	0.710	0.009	33.923	TRUE	8.80E-09
Overall asthma	RPTOR	cg07786220	rs62067893	T	C	-0.397	0.070	0.037	1.21E-08	-0.025	0.026	0.350	0.009	32.450	TRUE	2.55E-08
Overall asthma	RPTOR	cg07786220	rs62069404	T	C	0.355	0.055	0.051	1.18E-10	0.014	0.022	0.520	0.011	41.467	TRUE	2.35E-10
Overall asthma	RPTOR	cg07786220	rs7207843	C	T	-0.220	0.029	0.204	6.08E-14	-0.001	0.012	0.960	0.015	56.314	TRUE	9.65E-14
Overall asthma	RPTOR	cg07786220	rs74003912	A	G	0.190	0.030	0.199	1.54E-10	0.014	0.012	0.240	0.011	40.952	TRUE	4.21E-10
Overall asthma	RPTOR	cg07786220	rs9894401	A	G	-0.303	0.027	0.255	8.17E-29	-0.006	0.011	0.600	0.032	123.993	TRUE	5.19E-28
Overall asthma	RPTOR	cg08314949	rs113714895	T	C	0.290	0.043	0.080	1.19E-11	0.006	0.016	0.720	0.012	45.968	TRUE	2.07E-11
Overall asthma	RPTOR	cg08314949	rs118120008	A	G	-0.578	0.104	0.013	2.78E-08	0.051	0.040	0.200	0.008	30.835	TRUE	6.76E-08
Overall asthma	RPTOR	cg08314949	rs12939768	T	A	-1.166	0.020	0.226	<1E-200	-0.005	0.012	0.660	0.471	3298.895	TRUE	<1E-200
Overall asthma	RPTOR	cg08314949	rs142546211	A	G	-0.756	0.109	0.019	3.24E-12	-0.026	0.032	0.410	0.013	48.513	TRUE	7.93E-12
Overall asthma	RPTOR	cg08314949	rs183036865	A	G	0.495	0.056	0.041	1.48E-18	-0.037	0.023	0.110	0.020	77.249	TRUE	1.09E-17
Overall asthma	RPTOR	cg08314949	rs183706698	C	T	0.777	0.026	0.218	8.95E-193	-0.010	0.011	0.350	0.192	876.710	TRUE	1.56E-176
Overall asthma	RPTOR	cg08314949	rs2289764	C	T	-0.261	0.027	0.241	2.28E-21	-0.001	0.011	0.950	0.024	90.040	TRUE	5.41E-21

Overall asthma	RPTOR	cg08314949	rs4969219	G	T	-0.134	0.024	0.388	3.07E-08	0.009	0.010	0.340	0.008	30.647	TRUE	6.28E-08
Overall asthma	RPTOR	cg08314949	rs62075432	A	G	-0.154	0.027	0.261	1.44E-08	-0.004	0.011	0.690	0.009	32.116	TRUE	2.22E-08
Overall asthma	RPTOR	cg08314949	rs72850524	T	C	0.484	0.064	0.037	3.26E-14	-0.014	0.024	0.550	0.015	57.539	TRUE	7.74E-14
Overall asthma	RPTOR	cg08314949	rs72859646	T	C	-0.889	0.068	0.026	2.55E-39	0.034	0.029	0.250	0.044	172.025	TRUE	9.41E-38
Overall asthma	RPTOR	cg08314949	rs76300060	G	A	-0.272	0.047	0.065	1.04E-08	-0.022	0.019	0.240	0.009	32.744	TRUE	2.46E-08
Overall asthma	RPTOR	cg08314949	rs9905501	T	C	0.257	0.025	0.341	4.45E-25	-0.008	0.010	0.440	0.028	106.942	TRUE	2.75E-24
Overall asthma	RPTOR	cg08329754	rs11150745	G	A	-0.324	0.025	0.314	4.06E-38	-0.011	0.010	0.300	0.043	166.524	TRUE	1.20E-36
Overall asthma	RPTOR	cg08329754	rs12943620	T	G	-0.178	0.027	0.225	5.13E-11	-0.024	0.011	0.033	0.012	43.105	TRUE	2.73E-10
Overall asthma	RPTOR	cg08329754	rs7210110	A	G	-0.357	0.029	0.200	4.54E-34	0.002	0.012	0.900	0.038	148.005	TRUE	2.91E-33
Overall asthma	RPTOR	cg08329754	rs77420162	A	G	-0.352	0.062	0.040	1.50E-08	0.030	0.022	0.180	0.009	32.031	TRUE	3.91E-08
Overall asthma	RPTOR	cg08329754	rs8080789	A	G	0.532	0.036	0.118	1.55E-48	0.022	0.015	0.140	0.055	214.226	TRUE	2.51E-46
Overall asthma	RPTOR	cg08454507	rs11651724	A	G	-0.317	0.037	0.117	9.32E-18	0.015	0.015	0.330	0.020	73.612	TRUE	3.90E-17
Overall asthma	RPTOR	cg08454507	rs117209908	A	G	-0.467	0.050	0.059	1.68E-20	-0.013	0.020	0.510	0.023	86.086	TRUE	6.42E-20
Overall asthma	RPTOR	cg08454507	rs117620031	C	T	-0.558	0.101	0.014	3.85E-08	0.037	0.035	0.300	0.008	30.209	TRUE	8.23E-08
Overall asthma	RPTOR	cg08454507	rs118107399	T	C	1.290	0.148	0.014	2.51E-18	-0.024	0.044	0.590	0.020	76.200	TRUE	7.53E-18
Overall asthma	RPTOR	cg08454507	rs11869626	C	A	0.151	0.023	0.476	1.01E-10	0.016	0.010	0.096	0.011	41.776	TRUE	3.81E-10
Overall asthma	RPTOR	cg08454507	rs12945810	T	C	0.373	0.023	0.413	2.48E-57	-0.005	0.010	0.620	0.064	254.542	TRUE	3.10E-55
Overall asthma	RPTOR	cg08454507	rs2004184	C	T	-0.162	0.026	0.265	6.71E-10	-0.010	0.011	0.360	0.010	38.082	TRUE	1.47E-09
Overall asthma	RPTOR	cg08454507	rs35904260	G	A	0.297	0.023	0.445	3.10E-37	0.000	0.010	1.000	0.042	162.482	TRUE	2.24E-36
Overall asthma	RPTOR	cg08454507	rs62067893	T	C	-0.572	0.069	0.037	1.63E-16	-0.025	0.026	0.350	0.018	67.973	TRUE	6.01E-16
Overall asthma	RPTOR	cg08454507	rs72856013	A	G	-0.403	0.036	0.120	1.96E-29	-0.025	0.015	0.110	0.033	126.827	TRUE	4.44E-28
Overall asthma	RPTOR	cg08454507	rs72858219	A	G	-0.379	0.028	0.212	1.13E-40	-0.004	0.012	0.770	0.046	178.221	TRUE	1.60E-39
Overall asthma	RPTOR	cg08454507	rs8080789	A	G	1.021	0.035	0.118	9.62E-190	0.022	0.015	0.140	0.189	862.774	TRUE	2.75E-173
Overall asthma	RPTOR	cg08454507	rs9911979	A	G	-0.695	0.026	0.249	8.73E-155	-0.004	0.011	0.710	0.160	702.079	TRUE	3.69E-144
Overall asthma	RPTOR	cg08939850	rs11150745	G	A	-0.255	0.025	0.314	4.99E-24	-0.011	0.010	0.300	0.027	102.156	TRUE	3.81E-23
Overall asthma	RPTOR	cg08939850	rs114177791	T	G	0.173	0.028	0.215	1.16E-09	-0.003	0.012	0.770	0.010	37.016	TRUE	1.75E-09
Overall asthma	RPTOR	cg08939850	rs138464941	C	T	0.366	0.066	0.028	3.53E-08	-0.025	0.027	0.360	0.008	30.374	TRUE	7.07E-08
Overall asthma	RPTOR	cg08939850	rs4969429	A	G	0.160	0.026	0.273	1.42E-09	0.008	0.011	0.450	0.010	36.627	TRUE	2.79E-09
Overall asthma	RPTOR	cg08939850	rs62070202	T	C	-0.230	0.042	0.079	4.54E-08	-0.012	0.017	0.490	0.008	29.889	TRUE	8.02E-08
Overall asthma	RPTOR	cg08939850	rs7217174	T	C	-0.317	0.029	0.201	3.03E-27	0.001	0.012	0.910	0.031	116.831	TRUE	1.11E-26
Overall asthma	RPTOR	cg09001356	rs11150745	G	A	-0.292	0.025	0.314	3.04E-31	-0.011	0.010	0.300	0.035	135.091	TRUE	4.49E-30
Overall asthma	RPTOR	cg09001356	rs35926934	A	G	0.364	0.037	0.117	3.88E-23	0.023	0.015	0.130	0.026	98.098	TRUE	4.11E-22
Overall asthma	RPTOR	cg09001356	rs62070202	T	C	-0.331	0.042	0.079	2.37E-15	-0.012	0.017	0.490	0.017	62.694	TRUE	6.64E-15
Overall asthma	RPTOR	cg09001356	rs7210110	A	G	-0.430	0.029	0.200	4.56E-49	0.002	0.012	0.900	0.055	216.664	TRUE	1.24E-47
Overall asthma	RPTOR	cg09175325	rs35904260	G	A	0.138	0.023	0.445	3.90E-09	0.000	0.010	1.000	0.009	34.657	TRUE	4.93E-09
Overall asthma	RPTOR	cg09175325	rs62067239	T	C	-0.284	0.041	0.090	3.88E-12	0.005	0.017	0.770	0.013	48.157	TRUE	6.68E-12
Overall asthma	RPTOR	cg09175325	rs7212125	G	A	0.241	0.037	0.120	4.58E-11	0.021	0.015	0.160	0.012	43.324	TRUE	1.51E-10
Overall asthma	RPTOR	cg09175325	rs9904611	A	G	-0.211	0.027	0.254	8.38E-15	-0.005	0.011	0.690	0.016	60.211	TRUE	1.83E-14
Overall asthma	RPTOR	cg09516200	rs10468603	C	T	0.198	0.024	0.413	1.70E-16	0.002	0.010	0.860	0.018	67.885	TRUE	3.38E-16
Overall asthma	RPTOR	cg09516200	rs11150746	G	A	0.218	0.025	0.332	2.16E-18	-0.003	0.010	0.790	0.020	76.495	TRUE	5.17E-18
Overall asthma	RPTOR	cg09516200	rs4072746	T	C	-0.236	0.038	0.115	6.28E-10	0.015	0.015	0.320	0.010	38.211	TRUE	1.48E-09
Overall asthma	RPTOR	cg09516200	rs4516281	T	C	-0.375	0.044	0.076	1.88E-17	0.009	0.018	0.610	0.019	72.223	TRUE	5.14E-17

Overall asthma	RPTOR	cg09516200	rs4522458	T	C	-0.176	0.027	0.238	1.35E-10	-0.002	0.011	0.830	0.011	41.211	TRUE	2.06E-10
Overall asthma	RPTOR	cg09516200	rs4969404	T	C	-0.338	0.024	0.402	1.34E-45	0.003	0.010	0.780	0.051	200.778	TRUE	3.07E-44
Overall asthma	RPTOR	cg09516200	rs7213432	G	A	-0.340	0.052	0.057	7.12E-11	0.001	0.020	0.960	0.011	42.462	TRUE	9.90E-11
Overall asthma	RPTOR	cg09592546	rs118107399	T	C	-1.409	0.147	0.014	1.23E-21	-0.024	0.044	0.590	0.024	91.257	TRUE	4.63E-21
Overall asthma	RPTOR	cg09592546	rs144987811	A	G	-1.082	0.186	0.010	6.40E-09	0.055	0.051	0.280	0.009	33.692	TRUE	1.47E-08
Overall asthma	RPTOR	cg09592546	rs2019040	A	T	0.205	0.033	0.133	6.17E-10	0.027	0.014	0.050	0.010	38.248	TRUE	2.51E-09
Overall asthma	RPTOR	cg09592546	rs2672871	C	G	0.186	0.030	0.187	6.46E-10	0.025	0.012	0.041	0.010	38.156	TRUE	2.88E-09
Overall asthma	RPTOR	cg09592546	rs2672901	T	C	-0.390	0.024	0.353	3.15E-58	0.008	0.010	0.400	0.065	258.652	TRUE	7.33E-56
Overall asthma	RPTOR	cg09592546	rs4889782	C	T	-0.349	0.024	0.402	3.55E-47	0.007	0.010	0.510	0.053	207.998	TRUE	1.63E-45
Overall asthma	RPTOR	cg09592546	rs57677341	G	A	-1.126	0.030	0.137	<1E-200	0.014	0.014	0.330	0.278	1422.024	TRUE	4.55E-274
Overall asthma	RPTOR	cg09592546	rs72853757	C	T	0.208	0.033	0.146	3.72E-10	-0.029	0.014	0.039	0.010	39.236	TRUE	1.68E-09
Overall asthma	RPTOR	cg09592546	rs74002861	C	A	0.262	0.043	0.078	1.54E-09	-0.015	0.018	0.390	0.010	36.462	TRUE	3.21E-09
Overall asthma	RPTOR	cg09592546	rs8069962	G	A	-0.320	0.023	0.471	6.24E-44	0.002	0.010	0.840	0.050	193.134	TRUE	1.08E-42
Overall asthma	RPTOR	cg09592546	rs8079537	G	A	-0.399	0.023	0.443	3.36E-67	0.001	0.010	0.890	0.075	299.800	TRUE	8.84E-65
Overall asthma	RPTOR	cg09596252	rs112401820	A	G	-0.451	0.069	0.065	4.48E-11	-0.009	0.019	0.630	0.012	43.369	TRUE	8.30E-11
Overall asthma	RPTOR	cg09596252	rs139980334	C	T	0.263	0.047	0.065	1.70E-08	-0.002	0.017	0.900	0.009	31.798	TRUE	2.24E-08
Overall asthma	RPTOR	cg09596252	rs34713877	A	G	0.563	0.091	0.036	6.86E-10	-0.001	0.025	0.980	0.010	38.040	TRUE	9.03E-10
Overall asthma	RPTOR	cg09596252	rs4890056	C	T	0.211	0.022	0.447	5.90E-21	0.000	0.010	0.970	0.023	88.156	TRUE	1.34E-20
Overall asthma	RPTOR	cg09794615	rs2271607	C	T	0.486	0.028	0.220	1.79E-65	0.002	0.012	0.840	0.073	291.882	TRUE	4.11E-63
Overall asthma	RPTOR	cg09794615	rs2340773	T	C	-0.229	0.037	0.116	8.92E-10	0.021	0.015	0.160	0.010	37.528	TRUE	2.63E-09
Overall asthma	RPTOR	cg09794615	rs55833830	A	C	-0.208	0.028	0.235	1.90E-13	-0.002	0.012	0.880	0.014	54.081	TRUE	3.14E-13
Overall asthma	RPTOR	cg09794615	rs7502001	G	T	-0.295	0.034	0.132	5.37E-18	0.002	0.014	0.910	0.020	74.700	TRUE	1.10E-17
Overall asthma	RPTOR	cg09803959	rs11868966	C	A	1.035	0.028	0.167	1.73E-302	-0.011	0.013	0.410	0.273	1385.829	TRUE	4.91E-268
Overall asthma	RPTOR	cg09803959	rs12603933	G	A	-0.136	0.024	0.467	8.70E-09	0.013	0.010	0.190	0.009	33.095	TRUE	2.32E-08
Overall asthma	RPTOR	cg09803959	rs143673290	A	G	0.539	0.089	0.039	1.36E-09	0.042	0.025	0.097	0.010	36.700	TRUE	4.65E-09
Overall asthma	RPTOR	cg09803959	rs149099062	A	G	0.978	0.140	0.015	2.40E-12	-0.084	0.037	0.026	0.013	49.096	TRUE	1.56E-11
Overall asthma	RPTOR	cg09803959	rs56273414	C	T	0.213	0.033	0.146	1.40E-10	-0.029	0.014	0.035	0.011	41.148	TRUE	6.62E-10
Overall asthma	RPTOR	cg09803959	rs62068487	A	G	-0.263	0.025	0.319	1.75E-25	0.007	0.010	0.510	0.029	108.794	TRUE	1.01E-24
Overall asthma	RPTOR	cg09803959	rs7225916	G	T	0.157	0.026	0.272	2.95E-09	0.012	0.011	0.250	0.009	35.201	TRUE	6.97E-09
Overall asthma	RPTOR	cg09803959	rs72850551	A	G	0.448	0.065	0.036	7.28E-12	-0.026	0.025	0.290	0.013	46.925	TRUE	2.02E-11
Overall asthma	RPTOR	cg09803959	rs7502841	A	G	0.321	0.027	0.232	1.03E-31	-0.004	0.011	0.740	0.036	137.248	TRUE	6.86E-31
Overall asthma	RPTOR	cg09803959	rs77183052	A	G	0.941	0.170	0.012	3.18E-08	-0.062	0.044	0.160	0.008	30.581	TRUE	8.24E-08
Overall asthma	RPTOR	cg09929238	rs138537551	T	C	-0.309	0.045	0.070	6.90E-12	0.008	0.018	0.660	0.013	47.030	TRUE	1.30E-11
Overall asthma	RPTOR	cg09929238	rs1567961	C	T	-0.160	0.024	0.392	1.61E-11	-0.012	0.010	0.240	0.012	45.365	TRUE	4.89E-11
Overall asthma	RPTOR	cg09929238	rs62068268	T	C	-0.363	0.041	0.090	9.76E-19	0.007	0.017	0.690	0.021	78.065	TRUE	2.65E-18
Overall asthma	RPTOR	cg09929238	rs62070201	A	G	0.341	0.044	0.069	7.02E-15	0.002	0.018	0.910	0.016	60.559	TRUE	1.23E-14
Overall asthma	RPTOR	cg09929238	rs8076974	G	A	0.447	0.026	0.263	4.60E-64	0.009	0.011	0.400	0.072	285.410	TRUE	2.33E-61
Overall asthma	RPTOR	cg09929238	rs9890103	C	G	-0.164	0.024	0.353	2.47E-11	-0.006	0.010	0.520	0.012	44.531	TRUE	5.12E-11
Overall asthma	RPTOR	cg09977718	rs113059224	A	G	-0.261	0.043	0.070	1.36E-09	0.009	0.016	0.580	0.010	36.707	TRUE	2.40E-09
Overall asthma	RPTOR	cg09977718	rs113714895	T	C	-0.387	0.043	0.080	1.24E-19	0.006	0.016	0.720	0.022	82.141	TRUE	3.43E-19
Overall asthma	RPTOR	cg09977718	rs12103906	T	C	0.211	0.024	0.419	1.20E-18	0.004	0.010	0.650	0.021	77.652	TRUE	3.41E-18
Overall asthma	RPTOR	cg09977718	rs12602601	T	G	0.335	0.025	0.309	6.92E-41	0.007	0.010	0.510	0.046	179.194	TRUE	1.63E-39

Overall asthma	RPTOR	cg09977718	rs183036865	A	G	-0.351	0.056	0.041	4.78E-10	-0.037	0.023	0.110	0.010	38.744	TRUE	1.63E-09
Overall asthma	RPTOR	cg09977718	rs2289762	A	G	-0.772	0.025	0.245	5.15E-205	-0.009	0.011	0.390	0.201	932.985	TRUE	4.70E-187
Overall asthma	RPTOR	cg09977718	rs2289764	C	T	0.265	0.027	0.241	4.61E-22	-0.001	0.011	0.950	0.025	93.198	TRUE	1.14E-21
Overall asthma	RPTOR	cg09977718	rs36022926	T	A	0.163	0.027	0.250	1.47E-09	-0.004	0.011	0.740	0.010	36.560	TRUE	2.27E-09
Overall asthma	RPTOR	cg09977718	rs60323363	A	G	-0.174	0.024	0.412	1.56E-13	0.020	0.010	0.036	0.015	54.464	TRUE	1.02E-12
Overall asthma	RPTOR	cg09977718	rs72850524	T	C	-0.363	0.064	0.037	1.32E-08	-0.014	0.024	0.550	0.009	32.283	TRUE	2.26E-08
Overall asthma	RPTOR	cg09977718	rs9897319	A	G	-0.304	0.025	0.354	3.93E-34	-0.001	0.010	0.910	0.039	148.296	TRUE	2.46E-33
Overall asthma	RPTOR	cg10035831	rs11548824	A	G	-0.235	0.034	0.154	2.64E-12	0.021	0.012	0.088	0.013	48.914	TRUE	1.21E-11
Overall asthma	RPTOR	cg10035831	rs11656061	A	G	-0.541	0.023	0.436	8.92E-122	0.005	0.010	0.580	0.130	550.388	TRUE	1.31E-114
Overall asthma	RPTOR	cg10035831	rs11658145	C	T	0.162	0.027	0.246	2.05E-09	0.000	0.011	0.990	0.010	35.906	TRUE	2.64E-09
Overall asthma	RPTOR	cg10035831	rs11869318	C	T	0.146	0.024	0.470	6.63E-10	0.015	0.010	0.120	0.010	38.106	TRUE	2.15E-09
Overall asthma	RPTOR	cg10035831	rs12936701	C	A	0.418	0.039	0.105	2.16E-27	0.008	0.018	0.640	0.031	117.498	TRUE	1.16E-26
Overall asthma	RPTOR	cg10035831	rs13341621	A	G	0.570	0.050	0.080	1.50E-30	-0.024	0.018	0.200	0.034	131.925	TRUE	2.67E-29
Overall asthma	RPTOR	cg10035831	rs149099062	A	G	1.065	0.139	0.015	2.24E-14	-0.084	0.037	0.026	0.016	58.275	TRUE	1.82E-13
Overall asthma	RPTOR	cg10035831	rs2289766	G	A	1.063	0.027	0.167	<1E-200	-0.016	0.013	0.210	0.288	1499.193	TRUE	5.83E-287
Overall asthma	RPTOR	cg10035831	rs4969236	C	T	-0.281	0.023	0.495	2.77E-33	0.021	0.010	0.027	0.038	144.414	TRUE	1.66E-31
Overall asthma	RPTOR	cg10035831	rs62068550	A	G	-0.218	0.035	0.143	3.42E-10	0.012	0.014	0.390	0.011	39.397	TRUE	7.54E-10
Overall asthma	RPTOR	cg10035831	rs66463810	A	G	-0.160	0.025	0.340	1.00E-10	0.007	0.010	0.520	0.011	41.790	TRUE	2.02E-10
Overall asthma	RPTOR	cg10035831	rs7220687	C	T	0.236	0.026	0.289	6.70E-20	0.002	0.011	0.890	0.022	83.356	TRUE	1.56E-19
Overall asthma	RPTOR	cg10035831	rs72853711	C	T	0.211	0.037	0.115	1.07E-08	-0.046	0.015	0.003	0.009	32.686	TRUE	7.08E-08
Overall asthma	RPTOR	cg10035831	rs7502321	C	T	0.197	0.024	0.386	2.18E-16	0.010	0.010	0.330	0.018	67.395	TRUE	8.04E-16
Overall asthma	RPTOR	cg10281768	rs10468603	C	T	-0.409	0.024	0.413	3.70E-67	0.002	0.010	0.860	0.075	299.606	TRUE	1.03E-64
Overall asthma	RPTOR	cg10281768	rs117635805	T	A	0.337	0.042	0.083	1.00E-15	0.001	0.017	0.970	0.017	64.396	TRUE	1.72E-15
Overall asthma	RPTOR	cg10281768	rs118065301	A	G	0.732	0.109	0.026	2.17E-11	0.006	0.029	0.840	0.012	44.782	TRUE	3.40E-11
Overall asthma	RPTOR	cg10281768	rs12936509	G	A	0.337	0.040	0.092	2.09E-17	-0.008	0.015	0.620	0.019	72.019	TRUE	5.75E-17
Overall asthma	RPTOR	cg10281768	rs4969429	A	G	-0.240	0.026	0.273	7.22E-20	0.008	0.011	0.450	0.022	83.209	TRUE	2.83E-19
Overall asthma	RPTOR	cg10281768	rs62068358	G	A	-0.263	0.041	0.092	1.45E-10	0.003	0.017	0.850	0.011	41.075	TRUE	2.15E-10
Overall asthma	RPTOR	cg10281768	rs74002883	T	G	-0.222	0.031	0.173	6.18E-13	0.008	0.013	0.520	0.014	51.761	TRUE	1.39E-12
Overall asthma	RPTOR	cg10281768	rs746405	G	T	-0.146	0.024	0.418	1.16E-09	0.018	0.010	0.069	0.010	37.020	TRUE	4.40E-09
Overall asthma	RPTOR	cg10281768	rs9893680	G	T	-0.198	0.024	0.383	2.56E-16	-0.016	0.010	0.110	0.018	67.080	TRUE	1.53E-15
Overall asthma	RPTOR	cg10490202	rs1045626	T	C	-0.213	0.024	0.467	2.26E-19	-0.003	0.010	0.730	0.021	80.952	TRUE	6.17E-19
Overall asthma	RPTOR	cg10490202	rs113714895	T	C	-0.265	0.043	0.080	5.09E-10	0.006	0.016	0.720	0.010	38.621	TRUE	8.19E-10
Overall asthma	RPTOR	cg10490202	rs11656246	A	G	-0.466	0.026	0.241	4.27E-70	-0.010	0.011	0.370	0.078	313.086	TRUE	6.04E-67
Overall asthma	RPTOR	cg10490202	rs2289764	C	T	0.359	0.027	0.241	1.03E-39	-0.001	0.011	0.950	0.045	173.834	TRUE	9.87E-39
Overall asthma	RPTOR	cg10490202	rs908236	C	G	0.277	0.025	0.351	1.39E-29	0.003	0.010	0.770	0.033	127.511	TRUE	7.43E-29
Overall asthma	RPTOR	cg10508138	rs1012117	A	G	-0.310	0.025	0.313	1.27E-36	-0.005	0.010	0.600	0.041	159.683	TRUE	1.63E-35
Overall asthma	RPTOR	cg10508138	rs113714895	T	C	-0.236	0.042	0.080	2.18E-08	0.006	0.016	0.720	0.008	31.313	TRUE	3.23E-08
Overall asthma	RPTOR	cg10538214	rs112661218	A	C	-0.373	0.027	0.221	7.37E-42	-0.014	0.011	0.230	0.047	183.645	TRUE	4.10E-40
Overall asthma	RPTOR	cg10538214	rs2271612	C	T	-0.145	0.023	0.480	5.97E-10	-0.006	0.010	0.570	0.010	38.311	TRUE	1.09E-09
Overall asthma	RPTOR	cg10585621	rs9909563	T	A	-0.196	0.027	0.269	3.21E-13	-0.009	0.011	0.430	0.014	53.049	TRUE	8.33E-13
Overall asthma	RPTOR	cg10693767	rs72852801	A	G	0.257	0.044	0.076	5.11E-09	-0.042	0.019	0.022	0.009	34.130	TRUE	2.21E-08
Overall asthma	RPTOR	cg10693767	rs9890864	G	A	-0.211	0.030	0.189	2.63E-12	0.006	0.012	0.630	0.013	48.917	TRUE	5.27E-12

Overall asthma	RPTOR	cg10752731	rs11868966	C	A	-0.178	0.032	0.167	2.08E-08	-0.011	0.013	0.410	0.008	31.404	TRUE	4.04E-08
Overall asthma	RPTOR	cg10752731	rs138099755	A	G	-0.977	0.161	0.012	1.31E-09	-0.045	0.041	0.270	0.010	36.785	TRUE	3.19E-09
Overall asthma	RPTOR	cg10752731	rs571430539	C	T	-1.496	0.082	0.022	3.00E-74	-0.035	0.030	0.250	0.082	332.140	TRUE	1.28E-70
Overall asthma	RPTOR	cg10752731	rs7220687	C	T	-0.170	0.026	0.289	5.87E-11	0.002	0.011	0.890	0.011	42.841	TRUE	8.64E-11
Overall asthma	RPTOR	cg10880603	rs4969293	A	T	0.198	0.028	0.211	2.52E-12	-0.012	0.012	0.300	0.013	49.005	TRUE	7.05E-12
Overall asthma	RPTOR	cg11153071	rs2291360	A	G	0.325	0.025	0.367	1.18E-39	0.006	0.010	0.530	0.045	173.552	TRUE	2.31E-38
Overall asthma	RPTOR	cg11153071	rs62069685	C	G	-0.319	0.041	0.091	8.37E-15	0.002	0.017	0.900	0.016	60.214	TRUE	1.46E-14
Overall asthma	RPTOR	cg11153071	rs7209452	A	G	0.185	0.029	0.203	1.91E-10	-0.001	0.012	0.910	0.011	40.535	TRUE	2.72E-10
Overall asthma	RPTOR	cg11222173	rs2291360	A	G	0.300	0.025	0.367	4.84E-34	0.006	0.010	0.530	0.038	147.882	TRUE	5.48E-33
Overall asthma	RPTOR	cg11303920	rs12951739	T	G	0.255	0.023	0.455	5.39E-28	-0.015	0.010	0.130	0.031	120.253	TRUE	9.45E-27
Overall asthma	RPTOR	cg11303920	rs4889881	C	T	-0.323	0.037	0.114	3.64E-18	0.027	0.015	0.078	0.020	75.468	TRUE	3.03E-17
Overall asthma	RPTOR	cg11476241	rs11656246	A	G	-0.347	0.027	0.241	8.96E-39	-0.010	0.011	0.370	0.044	169.528	TRUE	2.23E-37
Overall asthma	RPTOR	cg11476241	rs149099062	A	G	0.929	0.140	0.015	3.00E-11	-0.084	0.037	0.026	0.012	44.153	TRUE	1.73E-10
Overall asthma	RPTOR	cg11476241	rs2280146	G	A	0.872	0.025	0.218	2.58E-275	-0.010	0.011	0.380	0.254	1256.256	TRUE	2.73E-245
Overall asthma	RPTOR	cg11476241	rs56273414	C	T	0.194	0.033	0.146	5.05E-09	-0.029	0.014	0.035	0.009	34.153	TRUE	2.03E-08
Overall asthma	RPTOR	cg11476241	rs62068550	A	G	-0.229	0.035	0.143	4.22E-11	0.012	0.014	0.390	0.012	43.487	TRUE	9.88E-11
Overall asthma	RPTOR	cg11476241	rs66485222	A	G	0.490	0.067	0.035	2.25E-13	-0.023	0.027	0.380	0.014	53.747	TRUE	6.12E-13
Overall asthma	RPTOR	cg11476241	rs7220687	C	T	0.355	0.026	0.289	1.87E-43	0.002	0.011	0.890	0.049	190.950	TRUE	2.85E-42
Overall asthma	RPTOR	cg11476241	rs72859646	T	C	0.536	0.068	0.026	4.27E-15	0.034	0.029	0.250	0.016	61.539	TRUE	1.66E-14
Overall asthma	RPTOR	cg11476241	rs8071514	C	A	0.149	0.024	0.453	3.03E-10	-0.014	0.010	0.140	0.011	39.636	TRUE	9.61E-10
Overall asthma	RPTOR	cg11499091	rs2589138	T	C	-0.342	0.028	0.230	1.43E-34	-0.004	0.012	0.760	0.039	150.298	TRUE	1.16E-33
Overall asthma	RPTOR	cg11499091	rs35524093	G	A	0.163	0.025	0.342	2.93E-11	0.000	0.010	0.960	0.012	44.201	TRUE	4.13E-11
Overall asthma	RPTOR	cg11499091	rs72851580	T	A	-0.369	0.057	0.048	1.28E-10	0.014	0.022	0.540	0.011	41.324	TRUE	2.52E-10
Overall asthma	RPTOR	cg11499091	rs8071397	A	G	0.150	0.025	0.333	3.78E-09	0.005	0.010	0.640	0.009	34.715	TRUE	6.27E-09
Overall asthma	RPTOR	cg11637695	rs12944497	T	C	-0.253	0.024	0.406	1.73E-26	0.016	0.010	0.095	0.030	113.374	TRUE	2.80E-25
Overall asthma	RPTOR	cg11790527	rs62067889	G	C	0.372	0.029	0.199	8.44E-37	0.015	0.012	0.200	0.042	160.497	TRUE	2.60E-35
Overall asthma	RPTOR	cg11949518	rs112815991	T	C	0.325	0.044	0.071	9.01E-14	0.011	0.016	0.500	0.015	55.542	TRUE	2.24E-13
Overall asthma	RPTOR	cg11949518	rs11548824	A	G	0.297	0.034	0.154	7.00E-19	0.021	0.012	0.088	0.021	78.720	TRUE	6.00E-18
Overall asthma	RPTOR	cg11949518	rs11655877	C	T	0.195	0.024	0.406	1.71E-16	0.019	0.010	0.048	0.018	67.873	TRUE	1.37E-15
Overall asthma	RPTOR	cg11949518	rs138780442	C	A	-0.609	0.107	0.031	1.23E-08	0.022	0.028	0.420	0.009	32.420	TRUE	2.35E-08
Overall asthma	RPTOR	cg11949518	rs183036865	A	G	0.506	0.056	0.041	2.01E-19	-0.037	0.023	0.110	0.021	81.182	TRUE	1.61E-18
Overall asthma	RPTOR	cg11949518	rs2289760	T	C	0.530	0.026	0.249	1.39E-94	-0.009	0.011	0.400	0.103	425.487	TRUE	1.18E-89
Overall asthma	RPTOR	cg11949518	rs34410650	G	A	0.274	0.027	0.239	1.54E-23	-0.007	0.011	0.510	0.026	99.926	TRUE	7.45E-23
Overall asthma	RPTOR	cg11949518	rs3751934	A	C	0.397	0.024	0.401	2.09E-62	-0.006	0.010	0.530	0.070	277.814	TRUE	6.08E-60
Overall asthma	RPTOR	cg11949518	rs4073045	C	G	-0.324	0.053	0.045	1.28E-09	0.013	0.022	0.560	0.010	36.830	TRUE	2.32E-09
Overall asthma	RPTOR	cg11949518	rs4969229	T	C	-0.801	0.080	0.050	1.75E-23	-0.002	0.021	0.910	0.026	99.669	TRUE	4.97E-23
Overall asthma	RPTOR	cg11949518	rs4969231	T	C	-0.699	0.024	0.314	3.45E-180	-0.003	0.010	0.780	0.181	818.847	TRUE	2.01E-166
Overall asthma	RPTOR	cg11949518	rs55803650	A	C	0.521	0.092	0.017	1.71E-08	-0.078	0.035	0.025	0.009	31.779	TRUE	7.05E-08
Overall asthma	RPTOR	cg11949518	rs56960771	T	C	0.243	0.025	0.310	4.90E-22	-0.006	0.010	0.550	0.025	93.079	TRUE	2.01E-21
Overall asthma	RPTOR	cg11949518	rs6565491	C	T	-0.705	0.033	0.132	1.22E-99	0.002	0.014	0.920	0.108	448.703	TRUE	6.70E-95
Overall asthma	RPTOR	cg11949518	rs67198902	G	T	0.218	0.031	0.186	1.37E-12	0.001	0.012	0.940	0.013	50.196	TRUE	2.08E-12
Overall asthma	RPTOR	cg11949518	rs7208789	T	C	-0.217	0.039	0.107	2.88E-08	0.019	0.016	0.230	0.008	30.770	TRUE	6.67E-08

Overall asthma	RPTOR	cg11949518	rs72850524	T	C	0.398	0.064	0.037	4.31E-10	-0.014	0.024	0.550	0.010	38.947	TRUE	8.01E-10
Overall asthma	RPTOR	cg11949518	rs74004829	C	T	0.372	0.043	0.092	7.91E-18	0.000	0.017	1.000	0.020	73.934	TRUE	1.47E-17
Overall asthma	RPTOR	cg11949518	rs868432	A	G	0.888	0.018	0.444	<1E-200	-0.007	0.010	0.480	0.392	2389.417	TRUE	<1E-200
Overall asthma	RPTOR	cg11949518	rs9903399	C	T	0.279	0.041	0.222	6.46E-12	-0.007	0.011	0.520	0.013	47.158	TRUE	1.42E-11
Overall asthma	RPTOR	cg11949518	rs9915393	G	C	0.703	0.026	0.258	1.37E-165	-0.004	0.011	0.720	0.169	751.746	TRUE	1.16E-153
Overall asthma	RPTOR	cg12078154	rs118120008	A	G	-0.572	0.104	0.013	3.81E-08	0.051	0.040	0.200	0.008	30.230	TRUE	9.14E-08
Overall asthma	RPTOR	cg12078154	rs12939768	T	A	-1.183	0.020	0.226	<1E-200	-0.005	0.012	0.660	0.486	3502.871	TRUE	<1E-200
Overall asthma	RPTOR	cg12078154	rs142546211	A	G	-0.752	0.109	0.019	4.28E-12	-0.026	0.032	0.410	0.013	47.965	TRUE	1.04E-11
Overall asthma	RPTOR	cg12078154	rs183036865	A	G	0.483	0.056	0.041	8.45E-18	-0.037	0.023	0.110	0.020	73.805	TRUE	5.82E-17
Overall asthma	RPTOR	cg12078154	rs2289764	C	T	-0.264	0.027	0.241	7.99E-22	-0.001	0.011	0.950	0.024	92.110	TRUE	1.95E-21
Overall asthma	RPTOR	cg12078154	rs4969219	G	T	-0.140	0.024	0.388	8.15E-09	0.009	0.010	0.340	0.009	33.221	TRUE	1.74E-08
Overall asthma	RPTOR	cg12078154	rs62075432	A	G	-0.152	0.027	0.261	2.16E-08	-0.004	0.011	0.690	0.008	31.326	TRUE	3.30E-08
Overall asthma	RPTOR	cg12078154	rs71368095	A	G	0.709	0.027	0.219	1.56E-155	-0.011	0.011	0.320	0.160	705.520	TRUE	3.68E-144
Overall asthma	RPTOR	cg12078154	rs72850524	T	C	0.452	0.064	0.037	1.37E-12	-0.014	0.024	0.550	0.013	50.203	TRUE	2.94E-12
Overall asthma	RPTOR	cg12078154	rs72859646	T	C	-0.917	0.068	0.026	7.23E-42	0.034	0.029	0.250	0.047	183.684	TRUE	3.55E-40
Overall asthma	RPTOR	cg12078154	rs76300060	G	A	-0.268	0.047	0.065	1.73E-08	-0.022	0.019	0.240	0.009	31.761	TRUE	4.01E-08
Overall asthma	RPTOR	cg12078154	rs9905501	T	C	0.284	0.025	0.341	1.84E-30	-0.008	0.010	0.440	0.034	131.514	TRUE	1.80E-29
Overall asthma	RPTOR	cg12088417	rs117805133	T	C	-0.550	0.089	0.017	5.82E-10	0.037	0.036	0.310	0.010	38.362	TRUE	1.40E-09
Overall asthma	RPTOR	cg12088417	rs117865905	C	T	-0.723	0.113	0.024	1.64E-10	0.032	0.029	0.260	0.011	40.838	TRUE	4.28E-10
Overall asthma	RPTOR	cg12088417	rs118003029	A	G	-0.431	0.055	0.089	2.60E-15	-0.001	0.016	0.950	0.017	62.511	TRUE	4.48E-15
Overall asthma	RPTOR	cg12088417	rs118099953	T	C	-0.515	0.063	0.036	3.58E-16	-0.001	0.024	0.980	0.018	66.421	TRUE	6.23E-16
Overall asthma	RPTOR	cg12088417	rs11869826	A	G	-0.709	0.024	0.310	4.00E-192	-0.009	0.010	0.410	0.191	873.720	TRUE	4.91E-176
Overall asthma	RPTOR	cg12088417	rs12450690	T	G	-0.182	0.026	0.264	4.51E-12	0.001	0.011	0.950	0.013	47.862	TRUE	6.65E-12
Overall asthma	RPTOR	cg12088417	rs12451164	T	C	0.281	0.027	0.237	3.18E-25	-0.013	0.011	0.220	0.028	107.609	TRUE	2.92E-24
Overall asthma	RPTOR	cg12088417	rs28364735	C	T	-0.206	0.025	0.280	3.56E-16	0.003	0.010	0.790	0.018	66.431	TRUE	7.55E-16
Overall asthma	RPTOR	cg12088417	rs34479366	C	T	0.278	0.029	0.198	4.55E-21	0.015	0.012	0.200	0.023	88.673	TRUE	3.09E-20
Overall asthma	RPTOR	cg12088417	rs35904260	G	A	0.264	0.023	0.445	1.40E-29	0.000	0.010	1.000	0.033	127.489	TRUE	5.47E-29
Overall asthma	RPTOR	cg12088417	rs4522458	T	C	-0.161	0.027	0.238	4.36E-09	-0.002	0.011	0.830	0.009	34.435	TRUE	6.22E-09
Overall asthma	RPTOR	cg12088417	rs4889855	G	A	0.231	0.032	0.162	2.71E-13	0.002	0.013	0.860	0.014	53.378	TRUE	4.55E-13
Overall asthma	RPTOR	cg12088417	rs62067893	T	C	-0.624	0.069	0.037	2.28E-19	-0.025	0.026	0.350	0.021	80.939	TRUE	1.05E-18
Overall asthma	RPTOR	cg12088417	rs72856013	A	G	-0.307	0.036	0.120	1.17E-17	-0.025	0.015	0.110	0.019	73.160	TRUE	8.35E-17
Overall asthma	RPTOR	cg12088417	rs74003912	A	G	-0.251	0.030	0.199	1.82E-17	0.014	0.012	0.240	0.019	72.290	TRUE	8.53E-17
Overall asthma	RPTOR	cg12088417	rs9909563	T	A	-0.186	0.027	0.269	3.88E-12	-0.009	0.011	0.430	0.013	48.156	TRUE	9.39E-12
Overall asthma	RPTOR	cg12592365	rs719781	A	G	0.210	0.026	0.253	8.83E-16	0.001	0.011	0.900	0.017	64.640	TRUE	1.62E-15
Overall asthma	RPTOR	cg12592365	rs9319611	T	A	-0.147	0.025	0.345	2.03E-09	0.004	0.010	0.660	0.010	35.929	TRUE	3.34E-09
Overall asthma	RPTOR	cg12654199	rs117736066	G	A	-0.259	0.041	0.088	3.55E-10	-0.007	0.017	0.700	0.011	39.322	TRUE	5.90E-10
Overall asthma	RPTOR	cg12654199	rs118107399	T	C	0.977	0.148	0.014	4.59E-11	-0.024	0.044	0.590	0.012	43.320	TRUE	8.81E-11
Overall asthma	RPTOR	cg12654199	rs118182693	G	A	-0.363	0.057	0.042	1.39E-10	-0.027	0.024	0.250	0.011	41.154	TRUE	3.71E-10
Overall asthma	RPTOR	cg12654199	rs11870398	T	C	-0.228	0.024	0.387	2.49E-21	0.002	0.010	0.820	0.024	89.866	TRUE	6.87E-21
Overall asthma	RPTOR	cg12654199	rs3923310	G	A	0.150	0.025	0.334	1.05E-09	-0.001	0.010	0.930	0.010	37.215	TRUE	1.42E-09
Overall asthma	RPTOR	cg12654199	rs55633095	T	C	-0.236	0.043	0.084	3.08E-08	-0.006	0.016	0.720	0.008	30.640	TRUE	4.57E-08
Overall asthma	RPTOR	cg12654199	rs62069406	C	T	-0.316	0.055	0.051	1.13E-08	0.017	0.022	0.440	0.009	32.587	TRUE	2.15E-08

Overall asthma	RPTOR	cg12654199	rs7208789	T	C	0.681	0.038	0.107	4.13E-71	0.019	0.016	0.230	0.079	317.736	TRUE	1.10E-67
Overall asthma	RPTOR	cg12654199	rs7209132	C	T	0.634	0.024	0.365	8.23E-157	0.006	0.010	0.550	0.161	711.389	TRUE	1.04E-145
Overall asthma	RPTOR	cg12654199	rs8073414	G	A	-0.327	0.025	0.353	3.62E-40	0.008	0.010	0.420	0.045	175.907	TRUE	9.30E-39
Overall asthma	RPTOR	cg13005428	rs1062935	C	T	-0.443	0.023	0.472	2.32E-81	-0.004	0.010	0.710	0.090	364.782	TRUE	8.02E-78
Overall asthma	RPTOR	cg13005428	rs113059224	A	G	-0.375	0.043	0.070	3.00E-18	0.009	0.016	0.580	0.020	75.848	TRUE	8.94E-18
Overall asthma	RPTOR	cg13005428	rs11548824	A	G	-0.417	0.033	0.154	5.28E-36	0.021	0.012	0.088	0.041	156.855	TRUE	2.69E-34
Overall asthma	RPTOR	cg13005428	rs11652514	A	G	0.432	0.077	0.053	1.94E-08	0.009	0.023	0.680	0.008	31.542	TRUE	2.97E-08
Overall asthma	RPTOR	cg13005428	rs117631786	A	G	0.591	0.087	0.042	1.09E-11	0.000	0.027	1.000	0.012	46.141	TRUE	1.52E-11
Overall asthma	RPTOR	cg13005428	rs117763980	T	C	-0.710	0.054	0.043	8.31E-39	-0.014	0.023	0.550	0.044	169.678	TRUE	1.45E-37
Overall asthma	RPTOR	cg13005428	rs117951413	T	C	-0.191	0.031	0.159	1.42E-09	0.002	0.013	0.870	0.010	36.622	TRUE	2.01E-09
Overall asthma	RPTOR	cg13005428	rs200806876	T	C	-0.461	0.050	0.069	3.58E-20	-0.016	0.019	0.400	0.022	84.594	TRUE	1.58E-19
Overall asthma	RPTOR	cg13005428	rs2271610	G	C	0.443	0.033	0.135	2.74E-40	0.009	0.014	0.500	0.046	176.457	TRUE	6.02E-39
Overall asthma	RPTOR	cg13005428	rs34206539	C	T	-0.209	0.024	0.442	8.17E-19	-0.007	0.010	0.450	0.021	78.415	TRUE	3.04E-18
Overall asthma	RPTOR	cg13005428	rs34824166	T	C	0.491	0.068	0.032	6.75E-13	-0.008	0.027	0.750	0.014	51.588	TRUE	1.22E-12
Overall asthma	RPTOR	cg13005428	rs55980508	A	G	-0.805	0.093	0.017	3.55E-18	-0.077	0.035	0.026	0.020	75.516	TRUE	4.10E-17
Overall asthma	RPTOR	cg13005428	rs61124969	A	G	-1.017	0.019	0.300	<1E-200	-0.007	0.010	0.510	0.436	2854.544	TRUE	<1E-200
Overall asthma	RPTOR	cg13005428	rs62068550	A	G	0.425	0.034	0.143	5.21E-35	0.012	0.014	0.390	0.040	152.307	TRUE	8.42E-34
Overall asthma	RPTOR	cg13005428	rs6565524	T	C	-0.234	0.040	0.098	7.25E-09	0.005	0.017	0.770	0.009	33.450	TRUE	1.06E-08
Overall asthma	RPTOR	cg13005428	rs72850524	T	C	-0.747	0.063	0.037	5.07E-32	-0.014	0.024	0.550	0.036	138.647	TRUE	4.54E-31
Overall asthma	RPTOR	cg13005428	rs77734083	A	G	-0.642	0.090	0.018	8.80E-13	-0.009	0.033	0.780	0.014	51.067	TRUE	1.55E-12
Overall asthma	RPTOR	cg13005428	rs8081382	A	T	0.193	0.024	0.391	9.47E-16	0.010	0.010	0.320	0.017	64.503	TRUE	3.38E-15
Overall asthma	RPTOR	cg13005428	rs9903399	C	T	-0.493	0.040	0.222	6.98E-35	-0.007	0.011	0.520	0.039	151.724	TRUE	9.00E-34
Overall asthma	RPTOR	cg13005428	rs9915393	G	C	0.396	0.027	0.258	5.02E-50	-0.004	0.011	0.720	0.056	221.054	TRUE	2.08E-48
Overall asthma	RPTOR	cg13098428	rs4969277	T	C	-0.384	0.030	0.184	1.79E-36	0.006	0.013	0.650	0.041	159.001	TRUE	2.05E-35
Overall asthma	RPTOR	cg13136721	rs11150760	A	G	0.310	0.030	0.178	2.58E-24	-0.008	0.012	0.520	0.027	103.464	TRUE	1.32E-23
Overall asthma	RPTOR	cg13136721	rs1137045	G	A	0.143	0.023	0.472	5.52E-10	-0.003	0.010	0.800	0.010	38.464	TRUE	8.38E-10
Overall asthma	RPTOR	cg13136721	rs11653319	T	C	-0.277	0.027	0.291	1.39E-24	-0.004	0.011	0.710	0.028	104.691	TRUE	5.44E-24
Overall asthma	RPTOR	cg13136721	rs117602881	G	A	0.231	0.031	0.175	1.48E-13	0.002	0.012	0.900	0.015	54.573	TRUE	2.43E-13
Overall asthma	RPTOR	cg13136721	rs117763980	T	C	-0.493	0.055	0.043	2.04E-19	-0.014	0.023	0.550	0.021	81.157	TRUE	6.95E-19
Overall asthma	RPTOR	cg13136721	rs139078473	A	G	0.434	0.051	0.052	1.60E-17	0.030	0.021	0.140	0.019	72.549	TRUE	9.28E-17
Overall asthma	RPTOR	cg13136721	rs17848659	T	G	-0.346	0.025	0.330	7.23E-45	-0.008	0.010	0.400	0.051	197.420	TRUE	3.23E-43
Overall asthma	RPTOR	cg13136721	rs34781048	A	G	-0.879	0.020	0.434	<1E-200	-0.002	0.010	0.800	0.340	1907.260	TRUE	<1E-200
Overall asthma	RPTOR	cg13136721	rs35439443	A	G	-0.543	0.068	0.033	1.53E-15	-0.012	0.026	0.650	0.017	63.553	TRUE	3.61E-15
Overall asthma	RPTOR	cg13136721	rs36022926	T	A	0.157	0.027	0.250	6.51E-09	-0.004	0.011	0.740	0.009	33.659	TRUE	9.79E-09
Overall asthma	RPTOR	cg13136721	rs4969229	T	C	-0.552	0.081	0.050	8.64E-12	-0.002	0.021	0.910	0.012	46.589	TRUE	1.29E-11
Overall asthma	RPTOR	cg13136721	rs4969300	A	G	0.285	0.035	0.120	8.67E-16	-0.005	0.015	0.760	0.017	64.678	TRUE	1.84E-15
Overall asthma	RPTOR	cg13136721	rs7207052	T	C	-0.391	0.042	0.196	2.78E-20	-0.004	0.012	0.740	0.022	85.091	TRUE	7.80E-20
Overall asthma	RPTOR	cg13136721	rs7221927	C	T	0.240	0.025	0.354	1.15E-22	-0.002	0.010	0.880	0.025	95.943	TRUE	3.26E-22
Overall asthma	RPTOR	cg13136721	rs72850576	A	C	0.413	0.032	0.155	5.45E-37	-0.021	0.013	0.110	0.042	161.365	TRUE	2.65E-35
Overall asthma	RPTOR	cg13136721	rs74387351	A	C	-0.317	0.042	0.102	2.93E-14	-0.002	0.016	0.910	0.015	57.748	TRUE	4.95E-14
Overall asthma	RPTOR	cg13136721	rs8069265	C	T	0.133	0.024	0.446	1.57E-08	0.004	0.010	0.680	0.009	31.943	TRUE	2.44E-08
Overall asthma	RPTOR	cg13136721	rs8070693	C	T	-0.356	0.044	0.082	2.88E-16	0.011	0.016	0.490	0.018	66.846	TRUE	8.45E-16

Overall asthma	RPTOR	cg13311292	rs7503757	G	A	-0.255	0.037	0.112	9.80E-12	0.028	0.015	0.075	0.012	46.343	TRUE	4.60E-11
Overall asthma	RPTOR	cg13526488	rs11150745	G	A	-0.386	0.025	0.314	6.66E-54	-0.011	0.010	0.300	0.061	238.820	TRUE	1.29E-51
Overall asthma	RPTOR	cg13526488	rs112384134	C	T	-0.814	0.125	0.023	7.36E-11	-0.033	0.031	0.290	0.011	42.397	TRUE	1.93E-10
Overall asthma	RPTOR	cg13526488	rs118107399	T	C	0.902	0.149	0.014	1.29E-09	-0.024	0.044	0.590	0.010	36.814	TRUE	2.27E-09
Overall asthma	RPTOR	cg13526488	rs2340773	T	C	0.794	0.036	0.116	6.27E-107	0.021	0.015	0.160	0.115	482.186	TRUE	2.03E-100
Overall asthma	RPTOR	cg13526488	rs2672893	A	G	0.204	0.031	0.160	5.70E-11	0.023	0.013	0.079	0.011	42.898	TRUE	2.34E-10
Overall asthma	RPTOR	cg13526488	rs4375716	T	G	-0.276	0.029	0.194	3.63E-21	0.001	0.012	0.930	0.024	89.116	TRUE	8.80E-21
Overall asthma	RPTOR	cg13526488	rs4426398	T	C	-0.197	0.034	0.139	4.73E-09	-0.025	0.014	0.072	0.009	34.277	TRUE	1.63E-08
Overall asthma	RPTOR	cg13526488	rs58419250	A	G	-0.185	0.031	0.184	1.71E-09	0.007	0.013	0.590	0.010	36.262	TRUE	2.96E-09
Overall asthma	RPTOR	cg13526488	rs7210110	A	G	-0.883	0.028	0.200	3.53E-222	0.002	0.012	0.900	0.215	1011.906	TRUE	1.98E-202
Overall asthma	RPTOR	cg13526488	rs72852801	A	G	-0.478	0.044	0.076	1.46E-27	-0.042	0.019	0.022	0.031	118.272	TRUE	4.76E-26
Overall asthma	RPTOR	cg13526488	rs72853728	C	T	-0.340	0.033	0.144	2.46E-24	-0.004	0.014	0.770	0.027	103.559	TRUE	8.83E-24
Overall asthma	RPTOR	cg13549638	rs12937510	T	C	-0.236	0.027	0.241	1.39E-18	-0.010	0.011	0.350	0.020	77.367	TRUE	5.75E-18
Overall asthma	RPTOR	cg13549638	rs2333984	G	A	0.639	0.028	0.203	1.25E-112	-0.008	0.012	0.480	0.121	508.379	TRUE	3.26E-106
Overall asthma	RPTOR	cg13549638	rs55735336	T	C	-0.211	0.037	0.114	1.37E-08	-0.006	0.015	0.710	0.009	32.208	TRUE	2.09E-08
Overall asthma	RPTOR	cg13549638	rs57860295	A	G	0.174	0.028	0.247	3.04E-10	-0.005	0.011	0.670	0.011	39.624	TRUE	5.19E-10
Overall asthma	RPTOR	cg13549638	rs62068487	A	G	-0.197	0.025	0.319	6.47E-15	0.007	0.010	0.510	0.016	60.720	TRUE	1.74E-14
Overall asthma	RPTOR	cg13549638	rs72853711	C	T	0.236	0.037	0.115	1.43E-10	-0.046	0.015	0.003	0.011	41.105	TRUE	1.23E-09
Overall asthma	RPTOR	cg13549638	rs72853757	C	T	0.194	0.033	0.146	4.91E-09	-0.029	0.014	0.039	0.009	34.205	TRUE	1.97E-08
Overall asthma	RPTOR	cg13549638	rs7502841	A	G	0.263	0.027	0.232	1.06E-21	-0.004	0.011	0.740	0.024	91.549	TRUE	3.35E-21
Overall asthma	RPTOR	cg13643509	rs8077224	A	G	-0.134	0.023	0.428	1.24E-08	0.010	0.010	0.330	0.009	32.404	TRUE	2.64E-08
Overall asthma	RPTOR	cg13762486	rs2138119	C	G	-0.164	0.025	0.346	2.80E-11	-0.011	0.010	0.260	0.012	44.288	TRUE	7.75E-11
Overall asthma	RPTOR	cg13762486	rs4969314	G	T	0.335	0.025	0.316	1.01E-39	-0.001	0.010	0.900	0.045	173.864	TRUE	1.06E-38
Overall asthma	RPTOR	cg13762486	rs7219221	G	A	-0.208	0.034	0.173	9.68E-10	-0.011	0.013	0.380	0.010	37.368	TRUE	2.06E-09
Overall asthma	RPTOR	cg13831388	rs11656246	A	G	0.309	0.026	0.241	7.92E-32	-0.010	0.011	0.370	0.036	137.761	TRUE	9.91E-31
Overall asthma	RPTOR	cg14073057	rs9915426	G	A	-0.225	0.029	0.202	1.24E-14	0.002	0.012	0.860	0.016	59.443	TRUE	2.23E-14
Overall asthma	RPTOR	cg14289594	rs12937265	T	C	-0.189	0.025	0.320	1.88E-14	-0.005	0.010	0.620	0.016	58.627	TRUE	4.25E-14
Overall asthma	RPTOR	cg14343513	rs11150745	G	A	-0.276	0.025	0.314	7.37E-28	-0.011	0.010	0.300	0.031	119.634	TRUE	7.91E-27
Overall asthma	RPTOR	cg14343513	rs11655574	A	G	0.149	0.025	0.361	3.22E-09	0.006	0.010	0.590	0.009	35.026	TRUE	5.59E-09
Overall asthma	RPTOR	cg14343513	rs118107399	T	C	1.087	0.148	0.014	2.30E-13	-0.024	0.044	0.590	0.014	53.705	TRUE	5.04E-13
Overall asthma	RPTOR	cg14343513	rs12950676	T	C	-0.270	0.024	0.431	4.19E-30	0.006	0.010	0.560	0.034	129.885	TRUE	3.18E-29
Overall asthma	RPTOR	cg14343513	rs2672890	T	C	0.230	0.042	0.178	3.64E-08	0.000	0.012	0.990	0.008	30.313	TRUE	4.47E-08
Overall asthma	RPTOR	cg14343513	rs35926934	A	G	0.966	0.035	0.117	2.56E-165	0.023	0.015	0.130	0.169	750.495	TRUE	3.89E-152
Overall asthma	RPTOR	cg14343513	rs55959137	G	A	-0.251	0.024	0.493	1.50E-26	-0.007	0.010	0.490	0.030	113.663	TRUE	9.48E-26
Overall asthma	RPTOR	cg14343513	rs62070202	T	C	-0.256	0.042	0.079	1.12E-09	-0.012	0.017	0.490	0.010	37.085	TRUE	2.18E-09
Overall asthma	RPTOR	cg14343513	rs72859613	T	C	0.466	0.073	0.020	1.82E-10	0.044	0.032	0.170	0.011	40.630	TRUE	5.60E-10
Overall asthma	RPTOR	cg14343513	rs734338	A	G	-0.167	0.023	0.497	1.08E-12	0.001	0.010	0.940	0.014	50.662	TRUE	1.66E-12
Overall asthma	RPTOR	cg14600877	rs113059224	A	G	-0.279	0.043	0.070	9.67E-11	0.009	0.016	0.580	0.011	41.865	TRUE	1.82E-10
Overall asthma	RPTOR	cg14600877	rs113714895	T	C	-0.457	0.043	0.080	6.59E-27	0.006	0.016	0.720	0.030	115.288	TRUE	3.03E-26
Overall asthma	RPTOR	cg14600877	rs11650195	C	T	-0.180	0.033	0.404	3.24E-08	0.005	0.010	0.620	0.008	30.542	TRUE	5.15E-08
Overall asthma	RPTOR	cg14600877	rs12449867	C	T	0.172	0.025	0.343	2.38E-12	0.000	0.010	0.960	0.013	49.119	TRUE	3.51E-12
Overall asthma	RPTOR	cg14600877	rs139078473	A	G	0.381	0.051	0.052	8.67E-14	0.030	0.021	0.140	0.015	55.616	TRUE	3.66E-13

Overall asthma	RPTOR	cg14600877	rs36022926	T	A	0.154	0.027	0.250	1.18E-08	-0.004	0.011	0.740	0.009	32.502	TRUE	1.75E-08
Overall asthma	RPTOR	cg14600877	rs4969236	C	T	-0.296	0.023	0.495	7.28E-37	0.021	0.010	0.027	0.042	160.790	TRUE	6.71E-35
Overall asthma	RPTOR	cg14600877	rs4969323	C	G	0.219	0.030	0.203	3.46E-13	-0.001	0.012	0.930	0.014	52.901	TRUE	5.47E-13
Overall asthma	RPTOR	cg14600877	rs56412625	G	A	0.170	0.027	0.250	2.21E-10	-0.006	0.011	0.600	0.011	40.253	TRUE	4.05E-10
Overall asthma	RPTOR	cg14600877	rs58642634	T	C	-0.502	0.047	0.076	8.00E-27	-0.018	0.018	0.310	0.030	114.906	TRUE	7.06E-26
Overall asthma	RPTOR	cg14600877	rs62075409	A	G	0.443	0.029	0.190	5.49E-52	-0.002	0.012	0.900	0.059	230.039	TRUE	2.08E-50
Overall asthma	RPTOR	cg14600877	rs6565524	T	C	-0.353	0.040	0.098	1.56E-18	0.005	0.017	0.770	0.020	77.137	TRUE	3.83E-18
Overall asthma	RPTOR	cg14600877	rs71368095	A	G	-0.521	0.027	0.219	2.72E-81	-0.011	0.011	0.320	0.090	364.461	TRUE	2.84E-77
Overall asthma	RPTOR	cg14600877	rs72859646	T	C	0.428	0.068	0.026	3.77E-10	0.034	0.029	0.250	0.010	39.209	TRUE	1.00E-09
Overall asthma	RPTOR	cg14600877	rs7502563	A	G	-1.043	0.017	0.391	<1E-200	-0.004	0.010	0.660	0.501	3712.236	TRUE	<1E-200
Overall asthma	RPTOR	cg14600877	rs78595627	T	C	-0.301	0.042	0.102	5.74E-13	-0.002	0.016	0.890	0.014	51.905	TRUE	9.28E-13
Overall asthma	RPTOR	cg14600877	rs8081382	A	T	0.183	0.024	0.391	2.48E-14	0.010	0.010	0.320	0.015	58.080	TRUE	7.97E-14
Overall asthma	RPTOR	cg14600877	rs9911223	A	G	0.378	0.025	0.310	3.66E-52	0.006	0.010	0.540	0.059	230.848	TRUE	2.92E-50
Overall asthma	RPTOR	cg14647957	rs111492191	A	G	-0.320	0.055	0.043	5.75E-09	0.042	0.022	0.050	0.009	33.899	TRUE	2.10E-08
Overall asthma	RPTOR	cg14647957	rs17848624	C	A	-0.260	0.041	0.088	3.57E-10	-0.005	0.017	0.760	0.011	39.314	TRUE	5.65E-10
Overall asthma	RPTOR	cg14647957	rs2589132	C	T	0.137	0.023	0.485	5.22E-09	0.002	0.010	0.860	0.009	34.086	TRUE	7.25E-09
Overall asthma	RPTOR	cg14647957	rs34713877	A	G	-0.506	0.091	0.036	3.00E-08	-0.001	0.025	0.980	0.008	30.692	TRUE	3.72E-08
Overall asthma	RPTOR	cg14647957	rs4969282	T	G	-0.669	0.032	0.139	6.51E-95	0.020	0.014	0.160	0.103	427.000	TRUE	1.87E-89
Overall asthma	RPTOR	cg14780427	rs11150747	T	C	-0.442	0.027	0.249	1.99E-60	-0.008	0.011	0.480	0.068	268.736	TRUE	5.11E-58
Overall asthma	RPTOR	cg14780427	rs11651724	A	G	-0.466	0.037	0.117	7.11E-37	0.015	0.015	0.330	0.042	160.837	TRUE	1.64E-35
Overall asthma	RPTOR	cg14780427	rs117209908	A	G	-0.628	0.050	0.059	4.48E-36	-0.013	0.020	0.510	0.041	157.181	TRUE	6.29E-35
Overall asthma	RPTOR	cg14780427	rs117805133	T	C	-0.560	0.089	0.017	3.25E-10	0.037	0.036	0.310	0.011	39.498	TRUE	7.95E-10
Overall asthma	RPTOR	cg14780427	rs118107399	T	C	0.950	0.149	0.014	1.57E-10	-0.024	0.044	0.590	0.011	40.915	TRUE	2.93E-10
Overall asthma	RPTOR	cg14780427	rs12949279	C	T	0.806	0.020	0.440	<1E-200	0.002	0.010	0.870	0.303	1605.490	TRUE	1.23E-306
Overall asthma	RPTOR	cg14780427	rs2589139	C	G	0.230	0.025	0.297	5.60E-20	-0.002	0.010	0.840	0.022	83.711	TRUE	1.40E-19
Overall asthma	RPTOR	cg14780427	rs4072746	T	C	-0.296	0.038	0.115	9.95E-15	0.015	0.015	0.320	0.016	59.873	TRUE	3.32E-14
Overall asthma	RPTOR	cg14780427	rs4426398	T	C	0.296	0.034	0.139	1.32E-18	-0.025	0.014	0.072	0.021	77.469	TRUE	1.13E-17
Overall asthma	RPTOR	cg14780427	rs4890035	A	G	-0.192	0.029	0.198	4.43E-11	0.003	0.012	0.830	0.012	43.391	TRUE	6.94E-11
Overall asthma	RPTOR	cg14780427	rs62067893	T	C	-0.838	0.069	0.037	5.64E-34	-0.025	0.026	0.350	0.038	147.577	TRUE	9.29E-33
Overall asthma	RPTOR	cg14780427	rs72858264	C	A	0.536	0.066	0.031	4.76E-16	-0.038	0.028	0.170	0.017	65.858	TRUE	2.30E-15
Overall asthma	RPTOR	cg14780427	rs8069320	C	A	0.253	0.024	0.490	7.66E-27	-0.005	0.010	0.590	0.030	114.992	TRUE	4.28E-26
Overall asthma	RPTOR	cg14780427	rs9908112	A	G	0.904	0.036	0.116	3.95E-141	0.022	0.015	0.140	0.147	639.320	TRUE	5.52E-131
Overall asthma	RPTOR	cg15022015	rs2280147	C	T	0.187	0.027	0.225	5.46E-12	-0.008	0.011	0.490	0.013	47.489	TRUE	1.23E-11
Overall asthma	RPTOR	cg15022015	rs71368095	A	G	-0.155	0.028	0.219	2.09E-08	-0.011	0.011	0.320	0.008	31.394	TRUE	4.42E-08
Overall asthma	RPTOR	cg15096353	rs114177791	T	G	0.247	0.028	0.215	3.34E-18	-0.003	0.012	0.770	0.020	75.638	TRUE	7.93E-18
Overall asthma	RPTOR	cg15096353	rs117117100	A	G	0.492	0.075	0.024	6.52E-11	0.015	0.029	0.610	0.011	42.634	TRUE	1.22E-10
Overall asthma	RPTOR	cg15096353	rs117209908	A	G	0.546	0.050	0.059	1.48E-27	-0.013	0.020	0.510	0.031	118.246	TRUE	9.74E-27
Overall asthma	RPTOR	cg15096353	rs117805133	T	C	0.579	0.089	0.017	7.07E-11	0.037	0.036	0.310	0.011	42.477	TRUE	1.81E-10
Overall asthma	RPTOR	cg15096353	rs12452137	G	A	0.728	0.026	0.249	2.36E-170	-0.004	0.011	0.760	0.173	773.639	TRUE	7.41E-158
Overall asthma	RPTOR	cg15096353	rs2589138	T	C	-0.244	0.028	0.230	3.36E-18	-0.004	0.012	0.760	0.020	75.626	TRUE	8.14E-18
Overall asthma	RPTOR	cg15096353	rs35832855	C	T	0.132	0.024	0.436	2.10E-08	-0.002	0.010	0.870	0.008	31.381	TRUE	2.83E-08
Overall asthma	RPTOR	cg15096353	rs4969429	A	G	0.280	0.026	0.273	1.21E-26	0.008	0.011	0.450	0.030	114.092	TRUE	8.03E-26

Overall asthma	RPTOR	cg15096353	rs62067893	T	C	0.520	0.069	0.037	7.26E-14	-0.025	0.026	0.350	0.015	55.967	TRUE	2.21E-13
Overall asthma	RPTOR	cg15096353	rs62944760	C	A	-0.395	0.042	0.084	5.41E-21	-0.003	0.017	0.860	0.023	88.331	TRUE	1.40E-20
Overall asthma	RPTOR	cg15096353	rs72853735	G	A	0.326	0.036	0.118	1.57E-19	-0.026	0.015	0.083	0.022	81.678	TRUE	1.41E-18
Overall asthma	RPTOR	cg15097361	rs11150745	G	A	-0.240	0.025	0.314	2.04E-21	-0.011	0.010	0.300	0.024	90.253	TRUE	1.25E-20
Overall asthma	RPTOR	cg15097361	rs118011999	A	G	-0.731	0.115	0.024	1.71E-10	0.012	0.029	0.690	0.011	40.753	TRUE	2.93E-10
Overall asthma	RPTOR	cg15097361	rs12943620	T	G	-0.200	0.027	0.225	1.86E-13	-0.024	0.011	0.033	0.014	54.116	TRUE	1.29E-12
Overall asthma	RPTOR	cg15097361	rs2048753	A	G	-0.217	0.027	0.250	2.49E-16	0.004	0.011	0.730	0.018	67.131	TRUE	5.58E-16
Overall asthma	RPTOR	cg15097361	rs35352641	T	C	-0.735	0.038	0.209	1.04E-83	-0.026	0.012	0.026	0.092	375.566	TRUE	1.35E-78
Overall asthma	RPTOR	cg15097361	rs7219745	C	A	0.263	0.033	0.141	2.44E-15	0.012	0.014	0.390	0.017	62.643	TRUE	7.63E-15
Overall asthma	RPTOR	cg15097361	rs7221948	C	T	-0.241	0.024	0.410	1.04E-23	-0.019	0.010	0.051	0.027	100.695	TRUE	1.68E-22
Overall asthma	RPTOR	cg15097361	rs7223529	A	T	0.167	0.028	0.228	2.16E-09	-0.003	0.011	0.820	0.010	35.801	TRUE	3.16E-09
Overall asthma	RPTOR	cg15097361	rs7225476	G	A	0.140	0.024	0.464	3.22E-09	0.018	0.010	0.067	0.009	35.025	TRUE	1.20E-08
Overall asthma	RPTOR	cg15097361	rs72858264	C	A	-0.416	0.066	0.031	3.35E-10	-0.038	0.028	0.170	0.011	39.436	TRUE	9.99E-10
Overall asthma	RPTOR	cg15097361	rs75293675	T	C	0.235	0.031	0.168	6.57E-14	0.011	0.013	0.390	0.015	56.163	TRUE	1.85E-13
Overall asthma	RPTOR	cg15116918	rs7209576	A	G	0.149	0.023	0.452	1.80E-10	-0.015	0.010	0.110	0.011	40.654	TRUE	6.20E-10
Overall asthma	RPTOR	cg15228441	rs2048753	A	G	-0.173	0.027	0.250	6.76E-11	0.004	0.011	0.730	0.011	42.566	TRUE	1.13E-10
Overall asthma	RPTOR	cg15228441	rs2672871	C	G	0.219	0.030	0.187	2.82E-13	0.025	0.012	0.041	0.014	53.299	TRUE	1.79E-12
Overall asthma	RPTOR	cg15228441	rs2672893	A	G	0.216	0.031	0.160	4.00E-12	0.023	0.013	0.079	0.013	48.096	TRUE	1.83E-11
Overall asthma	RPTOR	cg15228441	rs28377011	C	T	-0.322	0.042	0.082	1.71E-14	-0.033	0.018	0.063	0.016	58.812	TRUE	1.02E-13
Overall asthma	RPTOR	cg15228441	rs35352641	T	C	-0.634	0.038	0.209	1.43E-61	-0.026	0.012	0.026	0.069	273.981	TRUE	4.09E-58
Overall asthma	RPTOR	cg15230985	rs117219902	A	G	-0.250	0.045	0.072	3.18E-08	0.013	0.018	0.480	0.008	30.580	TRUE	5.72E-08
Overall asthma	RPTOR	cg15230985	rs118107399	T	C	0.917	0.149	0.014	6.62E-10	-0.024	0.044	0.590	0.010	38.108	TRUE	1.19E-09
Overall asthma	RPTOR	cg15230985	rs12185227	G	C	-0.137	0.024	0.390	1.01E-08	0.004	0.010	0.690	0.009	32.813	TRUE	1.56E-08
Overall asthma	RPTOR	cg15230985	rs35926934	A	G	0.809	0.036	0.117	6.02E-113	0.023	0.015	0.130	0.121	509.828	TRUE	9.66E-106
Overall asthma	RPTOR	cg15230985	rs4453556	G	A	0.186	0.024	0.417	4.35E-15	-0.003	0.010	0.790	0.016	61.504	TRUE	8.61E-15
Overall asthma	RPTOR	cg15230985	rs4969230	C	T	-0.377	0.024	0.401	1.49E-56	0.003	0.010	0.790	0.064	250.973	TRUE	1.18E-54
Overall asthma	RPTOR	cg15230985	rs62069691	T	A	-0.349	0.041	0.087	2.33E-17	-0.001	0.016	0.950	0.019	71.805	TRUE	4.45E-17
Overall asthma	RPTOR	cg15230985	rs9890464	C	T	-0.167	0.024	0.491	1.40E-12	-0.006	0.010	0.530	0.013	50.152	TRUE	3.12E-12
Overall asthma	RPTOR	cg15230985	rs9904611	A	G	-0.168	0.027	0.254	9.68E-10	-0.005	0.011	0.690	0.010	37.368	TRUE	1.60E-09
Overall asthma	RPTOR	cg15358690	rs113059224	A	G	-0.369	0.043	0.070	9.53E-18	0.009	0.016	0.580	0.020	73.569	TRUE	2.75E-17
Overall asthma	RPTOR	cg15358690	rs113335931	G	A	0.200	0.033	0.150	7.33E-10	-0.010	0.014	0.460	0.010	37.909	TRUE	1.45E-09
Overall asthma	RPTOR	cg15358690	rs113714895	T	C	-0.503	0.042	0.080	2.04E-32	0.006	0.016	0.720	0.037	140.457	TRUE	1.45E-31
Overall asthma	RPTOR	cg15358690	rs11651707	T	C	-0.877	0.023	0.245	<1E-200	-0.011	0.011	0.320	0.278	1425.488	TRUE	1.15E-274
Overall asthma	RPTOR	cg15358690	rs11655877	C	T	-0.296	0.023	0.406	1.86E-36	0.019	0.010	0.048	0.041	158.927	TRUE	1.28E-34
Overall asthma	RPTOR	cg15358690	rs11868966	C	A	0.401	0.032	0.167	7.07E-37	-0.011	0.013	0.410	0.042	160.846	TRUE	1.36E-35
Overall asthma	RPTOR	cg15358690	rs12449867	C	T	0.146	0.025	0.343	3.26E-09	0.000	0.010	0.960	0.009	35.006	TRUE	4.23E-09
Overall asthma	RPTOR	cg15358690	rs183036865	A	G	-0.359	0.056	0.041	1.75E-10	-0.037	0.023	0.110	0.011	40.709	TRUE	6.21E-10
Overall asthma	RPTOR	cg15358690	rs62068550	A	G	0.304	0.035	0.143	1.58E-18	0.012	0.014	0.390	0.020	77.112	TRUE	6.24E-18
Overall asthma	RPTOR	cg15358690	rs72851827	A	G	0.272	0.050	0.080	4.25E-08	-0.023	0.018	0.210	0.008	30.015	TRUE	1.02E-07
Overall asthma	RPTOR	cg15358690	rs868432	A	G	-0.393	0.023	0.444	1.21E-65	-0.007	0.010	0.480	0.073	292.661	TRUE	6.44E-63
Overall asthma	RPTOR	cg15358690	rs908236	C	G	0.139	0.025	0.351	2.01E-08	0.003	0.010	0.770	0.008	31.471	TRUE	2.91E-08
Overall asthma	RPTOR	cg15358690	rs9899178	T	C	-0.367	0.025	0.354	1.78E-49	-0.001	0.010	0.900	0.056	218.531	TRUE	5.00E-48

Overall asthma	RPTOR	cg15476425	rs2589135	T	C	-0.137	0.024	0.457	6.25E-09	0.005	0.010	0.630	0.009	33.737	TRUE	1.03E-08
Overall asthma	RPTOR	cg15476425	rs56233717	C	T	0.404	0.036	0.264	1.89E-28	-0.006	0.011	0.570	0.032	122.327	TRUE	1.22E-27
Overall asthma	RPTOR	cg15616522	rs2589119	A	G	0.208	0.036	0.117	9.32E-09	0.004	0.015	0.820	0.009	32.961	TRUE	1.33E-08
Overall asthma	RPTOR	cg15616522	rs2589131	A	G	0.205	0.033	0.152	9.20E-10	0.008	0.013	0.550	0.010	37.466	TRUE	1.69E-09
Overall asthma	RPTOR	cg15616522	rs4969426	A	T	0.201	0.024	0.375	1.94E-17	0.005	0.010	0.610	0.019	72.163	TRUE	5.34E-17
Overall asthma	RPTOR	cg15616522	rs6565473	C	T	0.166	0.023	0.472	1.34E-12	0.013	0.010	0.160	0.013	50.246	TRUE	4.90E-12
Overall asthma	RPTOR	cg15616522	rs7212390	A	G	-0.503	0.029	0.198	2.91E-67	0.003	0.012	0.780	0.075	300.085	TRUE	9.84E-65
Overall asthma	RPTOR	cg15616522	rs75747760	T	C	-0.309	0.041	0.088	5.41E-14	0.000	0.017	0.980	0.015	56.546	TRUE	8.45E-14
Overall asthma	RPTOR	cg15694704	rs115579065	T	C	-0.302	0.044	0.089	8.89E-12	-0.005	0.017	0.750	0.012	46.534	TRUE	1.52E-11
Overall asthma	RPTOR	cg15694704	rs12950583	A	G	-0.997	0.025	0.214	<1E-200	0.003	0.012	0.790	0.298	1570.896	TRUE	1.25E-300
Overall asthma	RPTOR	cg15694704	rs2672878	T	C	0.233	0.026	0.263	5.95E-19	-0.008	0.011	0.440	0.021	79.042	TRUE	2.22E-18
Overall asthma	RPTOR	cg15694704	rs4306553	A	G	-0.134	0.024	0.395	2.58E-08	0.005	0.010	0.620	0.008	30.982	TRUE	4.13E-08
Overall asthma	RPTOR	cg15694704	rs4969285	G	C	0.163	0.025	0.333	9.21E-11	-0.003	0.010	0.770	0.011	41.959	TRUE	1.50E-10
Overall asthma	RPTOR	cg15694704	rs4969323	C	G	0.219	0.030	0.203	4.01E-13	-0.001	0.012	0.930	0.014	52.610	TRUE	6.32E-13
Overall asthma	RPTOR	cg15694704	rs6565515	T	C	0.261	0.028	0.245	9.82E-21	-0.010	0.011	0.380	0.023	87.151	TRUE	4.75E-20
Overall asthma	RPTOR	cg15694704	rs7220687	C	T	-0.288	0.026	0.289	6.31E-29	0.002	0.011	0.890	0.033	124.506	TRUE	2.70E-28
Overall asthma	RPTOR	cg15694704	rs9898178	G	A	0.182	0.033	0.138	4.86E-08	0.000	0.014	0.980	0.008	29.756	TRUE	5.96E-08
Overall asthma	RPTOR	cg15815120	rs11150745	G	A	0.161	0.025	0.314	1.08E-10	-0.011	0.010	0.300	0.011	41.644	TRUE	2.87E-10
Overall asthma	RPTOR	cg15815120	rs62069406	C	T	0.591	0.054	0.051	1.02E-27	0.017	0.022	0.440	0.031	118.981	TRUE	7.74E-27
Overall asthma	RPTOR	cg15815120	rs9893956	C	G	-0.301	0.030	0.184	1.55E-23	0.006	0.013	0.620	0.026	99.913	TRUE	6.28E-23
Overall asthma	RPTOR	cg15815120	rs9897426	T	A	0.205	0.029	0.198	1.92E-12	0.015	0.012	0.200	0.013	49.537	TRUE	6.41E-12
Overall asthma	RPTOR	cg15826479	rs2672871	C	G	-0.286	0.030	0.187	1.23E-21	0.025	0.012	0.041	0.024	91.266	TRUE	1.85E-20
Overall asthma	RPTOR	cg15946337	rs201407779	A	G	-0.276	0.041	0.090	1.56E-11	0.005	0.017	0.750	0.012	45.431	TRUE	2.65E-11
Overall asthma	RPTOR	cg15946337	rs35292957	G	C	0.202	0.026	0.253	1.14E-14	0.000	0.011	0.970	0.016	59.614	TRUE	1.85E-14
Overall asthma	RPTOR	cg15946337	rs72853711	C	T	-0.268	0.037	0.115	3.01E-13	-0.046	0.015	0.003	0.014	53.176	TRUE	3.71E-12
Overall asthma	RPTOR	cg15946337	rs9909563	T	A	-0.345	0.027	0.269	2.64E-38	-0.009	0.011	0.430	0.043	167.379	TRUE	5.54E-37
Overall asthma	RPTOR	cg16015295	rs10871489	G	A	-0.145	0.026	0.301	1.46E-08	0.019	0.010	0.064	0.009	32.089	TRUE	5.08E-08
Overall asthma	RPTOR	cg16015295	rs11150745	G	A	-0.357	0.025	0.314	5.85E-46	-0.011	0.010	0.300	0.052	202.422	TRUE	4.19E-44
Overall asthma	RPTOR	cg16015295	rs1131609	A	G	-0.215	0.027	0.243	5.77E-16	-0.023	0.011	0.035	0.017	65.480	TRUE	4.85E-15
Overall asthma	RPTOR	cg16015295	rs118107399	T	C	0.928	0.149	0.014	4.19E-10	-0.024	0.044	0.590	0.010	39.003	TRUE	7.61E-10
Overall asthma	RPTOR	cg16015295	rs2340773	T	C	0.880	0.036	0.116	3.96E-133	0.021	0.015	0.160	0.140	602.553	TRUE	5.96E-124
Overall asthma	RPTOR	cg16015295	rs4889856	C	T	-0.153	0.023	0.435	6.70E-11	0.002	0.010	0.800	0.011	42.580	TRUE	1.06E-10
Overall asthma	RPTOR	cg16015295	rs4969404	T	C	-0.175	0.024	0.402	3.50E-13	0.003	0.010	0.780	0.014	52.875	TRUE	6.31E-13
Overall asthma	RPTOR	cg16015295	rs62067183	T	C	-0.137	0.024	0.395	1.16E-08	0.002	0.010	0.880	0.009	32.528	TRUE	1.57E-08
Overall asthma	RPTOR	cg16015295	rs7217174	T	C	-0.687	0.028	0.201	7.30E-129	0.001	0.012	0.910	0.136	582.955	TRUE	2.10E-121
Overall asthma	RPTOR	cg16015295	rs72852801	A	G	-0.386	0.044	0.076	1.89E-18	-0.042	0.019	0.022	0.020	76.760	TRUE	2.27E-17
Overall asthma	RPTOR	cg16015295	rs72853728	C	T	-0.294	0.034	0.144	1.64E-18	-0.004	0.014	0.770	0.020	77.037	TRUE	4.04E-18
Overall asthma	RPTOR	cg16015295	rs72859613	T	C	0.403	0.073	0.020	3.50E-08	0.044	0.032	0.170	0.008	30.394	TRUE	8.87E-08
Overall asthma	RPTOR	cg16018154	rs113714895	T	C	-0.474	0.043	0.080	7.17E-29	0.006	0.016	0.720	0.032	124.252	TRUE	3.83E-28
Overall asthma	RPTOR	cg16018154	rs11658145	C	T	0.162	0.027	0.246	2.12E-09	0.000	0.011	0.990	0.010	35.837	TRUE	2.73E-09
Overall asthma	RPTOR	cg16018154	rs11868266	C	G	0.168	0.027	0.251	1.02E-09	-0.003	0.011	0.770	0.010	37.260	TRUE	1.57E-09
Overall asthma	RPTOR	cg16018154	rs2289765	G	A	0.873	0.034	0.137	7.62E-148	-0.019	0.015	0.210	0.153	670.180	TRUE	4.05E-137

Overall asthma	RPTOR	cg16018154	rs2316058	G	C	-0.207	0.025	0.345	4.18E-17	0.004	0.010	0.670	0.019	70.654	TRUE	1.05E-16
Overall asthma	RPTOR	cg16018154	rs4969236	C	T	-0.283	0.023	0.495	7.85E-34	0.021	0.010	0.027	0.038	146.919	TRUE	5.02E-32
Overall asthma	RPTOR	cg16018154	rs4969238	C	T	0.162	0.024	0.379	2.31E-11	-0.005	0.010	0.620	0.012	44.666	TRUE	4.35E-11
Overall asthma	RPTOR	cg16018154	rs4969284	A	G	-0.860	0.020	0.439	<1E-200	0.005	0.010	0.630	0.337	1884.356	TRUE	<1E-200
Overall asthma	RPTOR	cg16018154	rs4969313	A	G	-0.351	0.024	0.391	5.68E-48	-0.004	0.010	0.710	0.054	211.645	TRUE	1.91E-46
Overall asthma	RPTOR	cg16018154	rs58903229	A	T	0.480	0.049	0.080	2.52E-22	-0.022	0.018	0.230	0.025	94.395	TRUE	1.86E-21
Overall asthma	RPTOR	cg16018154	rs59695750	T	C	0.158	0.023	0.495	1.80E-11	0.004	0.010	0.690	0.012	45.150	TRUE	3.21E-11
Overall asthma	RPTOR	cg16018154	rs6565488	A	C	0.539	0.033	0.135	9.83E-60	0.004	0.014	0.780	0.067	265.556	TRUE	1.19E-57
Overall asthma	RPTOR	cg16018154	rs72857988	T	C	0.386	0.050	0.050	1.36E-14	-0.004	0.020	0.860	0.016	59.255	TRUE	2.46E-14
Overall asthma	RPTOR	cg16018154	rs7502321	C	T	0.173	0.024	0.386	6.35E-13	0.010	0.010	0.330	0.014	51.708	TRUE	1.82E-12
Overall asthma	RPTOR	cg16018154	rs9915393	G	C	0.169	0.027	0.258	3.50E-10	-0.004	0.011	0.720	0.011	39.350	TRUE	5.70E-10
Overall asthma	RPTOR	cg16115689	rs9912037	A	C	0.167	0.025	0.367	1.53E-11	0.007	0.010	0.510	0.012	45.476	TRUE	3.24E-11
Overall asthma	RPTOR	cg16116279	rs11653319	T	C	-0.162	0.027	0.291	2.44E-09	-0.004	0.011	0.710	0.010	35.570	TRUE	3.82E-09
Overall asthma	RPTOR	cg16116279	rs2289763	G	C	0.263	0.036	0.119	4.50E-13	-0.013	0.015	0.410	0.014	52.382	TRUE	1.21E-12
Overall asthma	RPTOR	cg16116279	rs6565484	C	T	-0.387	0.023	0.485	6.98E-65	-0.013	0.010	0.190	0.073	289.168	TRUE	9.32E-62
Overall asthma	RPTOR	cg16116279	rs72857980	T	C	-0.342	0.050	0.051	8.65E-12	-0.005	0.020	0.790	0.012	46.588	TRUE	1.44E-11
Overall asthma	RPTOR	cg16116279	rs908240	G	A	-0.141	0.024	0.458	2.32E-09	0.013	0.010	0.190	0.010	35.666	TRUE	6.43E-09
Overall asthma	RPTOR	cg16116279	rs9909367	G	A	-0.221	0.029	0.215	2.97E-14	0.007	0.012	0.540	0.015	57.724	TRUE	7.11E-14
Overall asthma	RPTOR	cg16541275	rs2672898	C	T	-0.196	0.029	0.206	1.20E-11	-0.008	0.012	0.540	0.012	45.947	TRUE	2.51E-11
Overall asthma	RPTOR	cg16565901	rs2291360	A	G	0.192	0.025	0.367	1.09E-14	0.006	0.010	0.530	0.016	59.691	TRUE	2.76E-14
Overall asthma	RPTOR	cg16565901	rs2316058	G	C	-0.156	0.025	0.345	2.48E-10	0.004	0.010	0.670	0.011	40.021	TRUE	4.26E-10
Overall asthma	RPTOR	cg16578291	rs112300010	C	T	-0.201	0.027	0.238	1.87E-13	-0.014	0.011	0.230	0.014	54.104	TRUE	6.89E-13
Overall asthma	RPTOR	cg16636468	rs17848624	C	A	-0.284	0.041	0.088	6.56E-12	-0.005	0.017	0.760	0.013	47.129	TRUE	1.13E-11
Overall asthma	RPTOR	cg16636468	rs7209132	C	T	0.191	0.025	0.365	1.36E-14	0.006	0.010	0.550	0.016	59.259	TRUE	3.35E-14
Overall asthma	RPTOR	cg16636468	rs7212390	A	G	-0.252	0.030	0.198	1.45E-17	0.003	0.012	0.780	0.019	72.737	TRUE	3.35E-17
Overall asthma	RPTOR	cg16638092	rs11150745	G	A	-0.260	0.025	0.314	7.16E-25	-0.011	0.010	0.300	0.028	106.002	TRUE	5.88E-24
Overall asthma	RPTOR	cg16638092	rs114177791	T	G	0.177	0.029	0.215	5.51E-10	-0.003	0.012	0.770	0.010	38.468	TRUE	8.45E-10
Overall asthma	RPTOR	cg16638092	rs4969429	A	G	0.176	0.026	0.273	2.35E-11	0.008	0.011	0.450	0.012	44.631	TRUE	5.18E-11
Overall asthma	RPTOR	cg16638092	rs62070202	T	C	-0.290	0.042	0.079	4.85E-12	-0.012	0.017	0.490	0.013	47.720	TRUE	1.10E-11
Overall asthma	RPTOR	cg16638092	rs7212390	A	G	-0.364	0.029	0.198	6.59E-35	0.003	0.012	0.780	0.039	151.839	TRUE	5.40E-34
Overall asthma	RPTOR	cg16638092	rs72853774	G	T	0.189	0.034	0.138	2.58E-08	-0.028	0.014	0.041	0.008	30.986	TRUE	9.21E-08
Overall asthma	RPTOR	cg16660971	rs2289762	A	G	-0.298	0.027	0.245	4.08E-29	-0.009	0.011	0.390	0.033	125.371	TRUE	3.72E-28
Overall asthma	RPTOR	cg16660971	rs2289764	C	T	0.394	0.027	0.241	2.44E-47	-0.001	0.011	0.950	0.053	208.742	TRUE	5.00E-46
Overall asthma	RPTOR	cg16660971	rs908236	C	G	0.160	0.025	0.351	1.05E-10	0.003	0.010	0.770	0.011	41.705	TRUE	1.69E-10
Overall asthma	RPTOR	cg16886414	rs113714895	T	C	0.281	0.043	0.080	5.44E-11	0.006	0.016	0.720	0.011	42.989	TRUE	9.19E-11
Overall asthma	RPTOR	cg16886414	rs12939768	T	A	-1.157	0.020	0.226	<1E-200	-0.005	0.012	0.660	0.465	3208.673	TRUE	<1E-200
Overall asthma	RPTOR	cg16886414	rs142546211	A	G	-0.727	0.109	0.019	2.15E-11	-0.026	0.032	0.410	0.012	44.809	TRUE	4.98E-11
Overall asthma	RPTOR	cg16886414	rs183036865	A	G	0.425	0.056	0.041	4.41E-14	-0.037	0.023	0.110	0.015	56.947	TRUE	2.17E-13
Overall asthma	RPTOR	cg16886414	rs2289764	C	T	-0.238	0.027	0.241	4.56E-18	-0.001	0.011	0.950	0.020	75.023	TRUE	8.97E-18
Overall asthma	RPTOR	cg16886414	rs4969219	G	T	-0.147	0.024	0.388	1.27E-09	0.009	0.010	0.340	0.010	36.835	TRUE	2.87E-09
Overall asthma	RPTOR	cg16886414	rs4969329	G	A	0.203	0.028	0.251	2.19E-13	-0.011	0.011	0.350	0.014	53.802	TRUE	6.60E-13
Overall asthma	RPTOR	cg16886414	rs71368095	A	G	0.704	0.027	0.219	1.60E-153	-0.011	0.011	0.320	0.158	696.272	TRUE	2.15E-142

Overall asthma	RPTOR	cg16886414	rs7220687	C	T	-0.381	0.026	0.289	9.31E-50	0.002	0.011	0.890	0.056	219.823	TRUE	2.76E-48
Overall asthma	RPTOR	cg16886414	rs72850524	T	C	0.448	0.064	0.037	2.23E-12	-0.014	0.024	0.550	0.013	49.246	TRUE	4.73E-12
Overall asthma	RPTOR	cg16886414	rs72859646	T	C	-0.904	0.068	0.026	1.18E-40	0.034	0.029	0.250	0.046	178.139	TRUE	5.03E-39
Overall asthma	RPTOR	cg16892887	rs11656246	A	G	-0.307	0.026	0.241	4.50E-31	-0.010	0.011	0.370	0.035	134.310	TRUE	5.26E-30
Overall asthma	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	-0.014	0.023	0.550	0.011	40.360	TRUE	4.01E-10
Overall asthma	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	-0.012	0.012	0.310	0.016	60.193	TRUE	2.83E-14
Overall asthma	RPTOR	cg16892887	rs3751934	A	C	-0.177	0.024	0.401	1.90E-13	-0.006	0.010	0.530	0.014	54.077	TRUE	4.40E-13
Overall asthma	RPTOR	cg16892887	rs4969293	A	T	0.210	0.028	0.211	1.81E-13	-0.012	0.012	0.300	0.014	54.174	TRUE	5.50E-13
Overall asthma	RPTOR	cg16892887	rs4969323	C	G	-0.175	0.030	0.203	5.27E-09	-0.001	0.012	0.930	0.009	34.070	TRUE	6.96E-09
Overall asthma	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	0.034	0.029	0.250	0.011	42.303	TRUE	2.16E-10
Overall asthma	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	-0.007	0.010	0.480	0.011	42.634	TRUE	1.37E-10
Overall asthma	RPTOR	cg16892887	rs908236	C	G	0.462	0.024	0.351	2.49E-82	0.003	0.010	0.770	0.091	369.231	TRUE	8.84E-79
Overall asthma	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	0.006	0.013	0.650	0.028	105.290	TRUE	4.40E-24
Overall asthma	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	0.005	0.010	0.630	0.027	101.286	TRUE	3.28E-23
Overall asthma	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	-0.024	0.011	0.033	0.008	31.398	TRUE	8.28E-08
Overall asthma	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	-0.002	0.017	0.920	0.022	83.367	TRUE	1.50E-19
Overall asthma	RPTOR	cg16980736	rs2138118	A	C	0.158	0.024	0.483	2.52E-11	0.016	0.010	0.098	0.012	44.495	TRUE	1.00E-10
Overall asthma	RPTOR	cg16980736	rs2589131	A	G	-0.530	0.033	0.152	1.01E-57	0.008	0.013	0.550	0.065	256.328	TRUE	1.53E-55
Overall asthma	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	0.002	0.010	0.800	0.008	31.087	TRUE	3.43E-08
Overall asthma	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	-0.026	0.022	0.250	0.024	92.237	TRUE	5.12E-21
Overall asthma	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	0.014	0.014	0.310	0.010	36.268	TRUE	3.89E-09
Overall asthma	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	-0.045	0.023	0.052	0.008	30.872	TRUE	9.52E-08
Overall asthma	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	-0.007	0.012	0.560	0.011	39.759	TRUE	5.28E-10
Overall asthma	RPTOR	cg17060157	rs4889874	G	A	0.149	0.027	0.239	5.00E-08	0.004	0.011	0.730	0.008	29.701	TRUE	7.32E-08
Overall asthma	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	0.004	0.010	0.700	0.032	122.625	TRUE	8.82E-28
Overall asthma	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	0.021	0.012	0.088	0.011	42.439	TRUE	2.89E-10
Overall asthma	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	-0.012	0.012	0.310	0.016	59.059	TRUE	4.95E-14
Overall asthma	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	-0.023	0.018	0.210	0.010	36.306	TRUE	4.48E-09
Overall asthma	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	-0.010	0.011	0.350	0.056	220.988	TRUE	4.66E-48
Overall asthma	RPTOR	cg17180011	rs4969293	A	T	0.648	0.028	0.211	2.29E-120	-0.012	0.012	0.300	0.128	543.915	TRUE	6.43E-113
Overall asthma	RPTOR	cg17180011	rs4969307	C	G	0.245	0.024	0.357	1.60E-23	0.003	0.010	0.770	0.026	99.850	TRUE	5.47E-23
Overall asthma	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	0.012	0.014	0.390	0.011	39.703	TRUE	6.48E-10
Overall asthma	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	0.034	0.029	0.250	0.014	53.870	TRUE	7.20E-13
Overall asthma	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	-0.001	0.010	0.910	0.008	29.793	TRUE	6.14E-08
Overall asthma	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	0.025	0.012	0.044	0.279	1428.138	TRUE	1.57E-273
Overall asthma	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	0.059	0.036	0.100	0.015	56.667	TRUE	2.54E-13
Overall asthma	RPTOR	cg17481637	rs116989815	T	A	-0.576	0.100	0.035	9.75E-09	-0.001	0.024	0.960	0.009	32.873	TRUE	1.25E-08
Overall asthma	RPTOR	cg17481637	rs117878919	A	G	0.309	0.055	0.092	1.58E-08	0.000	0.016	1.000	0.009	31.933	TRUE	1.96E-08
Overall asthma	RPTOR	cg17481637	rs118179825	G	C	-0.577	0.105	0.012	4.31E-08	0.040	0.036	0.270	0.008	29.990	TRUE	9.44E-08
Overall asthma	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	-0.027	0.012	0.023	0.010	36.376	TRUE	7.55E-09
Overall asthma	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	-0.002	0.010	0.820	0.018	68.429	TRUE	2.70E-16
Overall asthma	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	0.006	0.010	0.550	0.031	116.789	TRUE	1.89E-26

Overall asthma	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	-0.002	0.012	0.880	0.010	35.644	TRUE	3.27E-09
Overall asthma	RPTOR	cg17481637	rs56179246	G	A	-0.405	0.045	0.075	1.51E-19	-0.009	0.019	0.630	0.022	81.757	TRUE	4.59E-19
Overall asthma	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	0.007	0.013	0.560	0.014	53.488	TRUE	5.67E-13
Overall asthma	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	-0.009	0.010	0.390	0.022	82.506	TRUE	4.45E-19
Overall asthma	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	0.051	0.040	0.200	0.011	40.621	TRUE	5.29E-10
Overall asthma	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	-0.012	0.012	0.310	0.026	99.279	TRUE	1.40E-22
Overall asthma	RPTOR	cg17628491	rs13341621	A	G	-0.373	0.050	0.080	7.91E-14	-0.024	0.018	0.200	0.015	55.799	TRUE	3.13E-13
Overall asthma	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	-0.026	0.032	0.410	0.020	74.413	TRUE	2.26E-17
Overall asthma	RPTOR	cg17628491	rs143673290	A	G	-0.502	0.089	0.039	1.76E-08	0.042	0.025	0.097	0.009	31.726	TRUE	5.40E-08
Overall asthma	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	-0.084	0.037	0.026	0.013	48.407	TRUE	2.19E-11
Overall asthma	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	-0.001	0.011	0.950	0.466	3226.955	TRUE	<1E-200
Overall asthma	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	-0.006	0.010	0.540	0.008	31.139	TRUE	4.07E-08
Overall asthma	RPTOR	cg17628491	rs4969307	C	G	-0.290	0.024	0.357	1.54E-32	0.003	0.010	0.770	0.037	141.007	TRUE	1.05E-31
Overall asthma	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	-0.029	0.014	0.035	0.013	49.367	TRUE	1.20E-11
Overall asthma	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	0.012	0.014	0.390	0.017	64.381	TRUE	3.24E-15
Overall asthma	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	-0.005	0.010	0.590	0.075	298.255	TRUE	3.58E-64
Overall asthma	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	-0.046	0.015	0.003	0.009	35.133	TRUE	2.18E-08
Overall asthma	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	0.034	0.029	0.250	0.050	193.782	TRUE	2.85E-42
Overall asthma	RPTOR	cg17628491	rs7502314	C	G	-0.174	0.030	0.188	7.48E-09	0.008	0.013	0.530	0.009	33.387	TRUE	1.30E-08
Overall asthma	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	-0.062	0.044	0.160	0.012	45.677	TRUE	4.76E-11
Overall asthma	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	-0.025	0.043	0.570	0.008	31.152	TRUE	3.98E-08
Overall asthma	RPTOR	cg17628491	rs8070259	T	C	-0.159	0.028	0.238	8.19E-09	0.019	0.011	0.093	0.009	33.212	TRUE	2.66E-08
Overall asthma	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	0.021	0.012	0.088	0.008	30.261	TRUE	1.15E-07
Overall asthma	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	-0.008	0.011	0.440	0.015	55.708	TRUE	2.17E-13
Overall asthma	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	-0.002	0.011	0.840	0.032	122.840	TRUE	6.50E-28
Overall asthma	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	0.015	0.010	0.120	0.010	37.304	TRUE	3.23E-09
Overall asthma	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	0.007	0.010	0.450	0.080	320.196	TRUE	1.71E-68
Overall asthma	RPTOR	cg17831694	rs8077305	T	A	-0.167	0.030	0.212	1.71E-08	0.001	0.012	0.940	0.009	31.786	TRUE	2.20E-08
Overall asthma	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	-0.006	0.014	0.690	0.009	32.807	TRUE	1.57E-08
Overall asthma	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	0.055	0.026	0.036	0.009	32.642	TRUE	4.35E-08
Overall asthma	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	0.009	0.016	0.580	0.010	38.913	TRUE	7.95E-10
Overall asthma	RPTOR	cg17906851	rs1137045	G	A	0.136	0.023	0.472	4.58E-09	-0.003	0.010	0.800	0.009	34.342	TRUE	6.67E-09
Overall asthma	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	0.006	0.016	0.720	0.042	161.747	TRUE	4.85E-36
Overall asthma	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	0.030	0.021	0.140	0.018	69.264	TRUE	4.61E-16
Overall asthma	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	0.019	0.039	0.630	0.011	41.759	TRUE	1.85E-10
Overall asthma	RPTOR	cg17906851	rs2289763	G	C	0.267	0.036	0.119	2.68E-13	-0.013	0.015	0.410	0.014	53.403	TRUE	7.32E-13
Overall asthma	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	-0.012	0.026	0.650	0.034	129.932	TRUE	2.72E-29
Overall asthma	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	0.002	0.012	0.850	0.013	46.915	TRUE	1.16E-11
Overall asthma	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	-0.004	0.011	0.730	0.112	468.317	TRUE	1.34E-98
Overall asthma	RPTOR	cg17906851	rs71368095	A	G	-0.502	0.027	0.219	4.10E-75	-0.011	0.011	0.320	0.083	336.110	TRUE	1.52E-71
Overall asthma	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	0.008	0.010	0.430	0.008	31.275	TRUE	4.18E-08
Overall asthma	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	-0.014	0.024	0.550	0.015	54.467	TRUE	3.55E-13

Overall asthma	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	0.034	0.029	0.250	0.011	41.541	TRUE	3.15E-10
Overall asthma	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	-0.002	0.016	0.910	0.035	133.841	TRUE	2.78E-30
Overall asthma	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	-0.004	0.010	0.660	0.532	4204.107	TRUE	<1E-200
Overall asthma	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	-0.004	0.011	0.740	0.070	277.053	TRUE	5.70E-60
Overall asthma	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	-0.009	0.033	0.780	0.008	31.598	TRUE	2.69E-08
Overall asthma	RPTOR	cg17906851	rs8081382	A	T	0.165	0.024	0.391	6.76E-12	0.010	0.010	0.320	0.013	47.069	TRUE	1.82E-11
Overall asthma	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	-0.007	0.010	0.480	0.052	204.697	TRUE	8.37E-45
Overall asthma	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	0.013	0.014	0.380	0.012	45.994	TRUE	2.98E-11
Overall asthma	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	-0.002	0.011	0.860	0.018	68.397	TRUE	2.64E-16
Overall asthma	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	0.015	0.010	0.100	0.036	136.287	TRUE	4.26E-30
Overall asthma	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	0.009	0.018	0.610	0.008	31.151	TRUE	3.81E-08
Overall asthma	RPTOR	cg17956530	rs4555197	G	C	-0.257	0.027	0.243	3.55E-21	-0.006	0.011	0.620	0.024	89.159	TRUE	1.24E-20
Overall asthma	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	0.007	0.010	0.510	0.020	77.265	TRUE	4.92E-18
Overall asthma	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	-0.007	0.014	0.620	0.011	42.769	TRUE	1.13E-10
Overall asthma	RPTOR	cg17956530	rs56179246	G	A	-0.719	0.044	0.075	2.97E-59	-0.009	0.019	0.630	0.066	263.354	TRUE	4.51E-57
Overall asthma	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	-0.046	0.015	0.003	0.023	87.291	TRUE	2.97E-19
Overall asthma	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	-0.029	0.014	0.039	0.009	35.276	TRUE	1.17E-08
Overall asthma	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	0.007	0.013	0.560	0.024	89.850	TRUE	9.37E-21
Overall asthma	RPTOR	cg17956530	rs76473598	G	C	-1.119	0.161	0.012	3.40E-12	-0.004	0.041	0.930	0.013	48.417	TRUE	5.11E-12
Overall asthma	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	-0.014	0.018	0.450	0.281	1445.230	TRUE	2.16E-278
Overall asthma	RPTOR	cg18091083	rs118179825	G	C	-1.213	0.105	0.012	7.60E-31	0.040	0.036	0.270	0.035	133.272	TRUE	1.09E-29
Overall asthma	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	-0.012	0.010	0.240	0.012	44.645	TRUE	6.98E-11
Overall asthma	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	0.004	0.011	0.730	0.023	88.440	TRUE	1.53E-20
Overall asthma	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	0.016	0.010	0.095	0.017	65.564	TRUE	3.29E-15
Overall asthma	RPTOR	cg18091083	rs55737346	C	T	-0.534	0.073	0.034	2.34E-13	0.029	0.024	0.210	0.014	53.663	TRUE	8.18E-13
Overall asthma	RPTOR	cg18091083	rs73368831	C	A	-1.433	0.051	0.045	1.22E-173	0.041	0.021	0.058	0.176	788.744	TRUE	6.92E-159
Overall asthma	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	-0.007	0.012	0.550	0.031	119.579	TRUE	4.76E-27
Overall asthma	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	0.009	0.016	0.580	0.014	53.078	TRUE	6.87E-13
Overall asthma	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	-0.010	0.014	0.460	0.018	69.142	TRUE	2.79E-16
Overall asthma	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	0.006	0.016	0.720	0.026	98.870	TRUE	9.27E-23
Overall asthma	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	0.030	0.021	0.140	0.013	50.255	TRUE	5.08E-12
Overall asthma	RPTOR	cg18425700	rs2271610	G	C	0.410	0.033	0.135	1.16E-34	0.009	0.014	0.500	0.039	150.710	TRUE	1.47E-33
Overall asthma	RPTOR	cg18425700	rs36022926	T	A	0.155	0.027	0.250	1.01E-08	-0.004	0.011	0.740	0.009	32.807	TRUE	1.50E-08
Overall asthma	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	0.021	0.010	0.027	0.035	133.856	TRUE	2.59E-29
Overall asthma	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	-0.005	0.010	0.620	0.014	52.062	TRUE	1.10E-12
Overall asthma	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	-0.015	0.018	0.390	0.014	50.958	TRUE	2.40E-12
Overall asthma	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	-0.006	0.011	0.600	0.009	32.639	TRUE	1.84E-08
Overall asthma	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	0.005	0.017	0.770	0.010	38.274	TRUE	9.39E-10
Overall asthma	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	-0.011	0.011	0.320	0.078	314.425	TRUE	3.81E-67
Overall asthma	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	-0.004	0.010	0.660	0.352	2010.044	TRUE	<1E-200
Overall asthma	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	-0.002	0.016	0.890	0.008	30.398	TRUE	4.58E-08
Overall asthma	RPTOR	cg18425700	rs8081382	A	T	0.141	0.024	0.391	4.77E-09	0.010	0.010	0.320	0.009	34.261	TRUE	1.05E-08

Overall asthma	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	-0.007	0.010	0.480	0.044	171.059	TRUE	8.44E-38
Overall asthma	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	-0.002	0.010	0.880	0.010	36.122	TRUE	2.57E-09
Overall asthma	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	0.000	0.010	1.000	0.010	38.530	TRUE	6.96E-10
Overall asthma	RPTOR	cg18607849	rs62069420	A	T	-0.830	0.050	0.058	5.35E-63	-0.025	0.022	0.250	0.070	280.523	TRUE	3.83E-60
Overall asthma	RPTOR	cg18612040	rs908236	C	G	-0.181	0.025	0.351	2.11E-13	0.003	0.010	0.770	0.014	53.870	TRUE	3.90E-13
Overall asthma	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	-0.003	0.010	0.790	0.009	33.015	TRUE	1.31E-08
Overall asthma	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	-0.002	0.012	0.890	0.023	85.240	TRUE	6.21E-20
Overall asthma	RPTOR	cg18758433	rs118179825	G	C	0.839	0.105	0.012	1.44E-15	0.040	0.036	0.270	0.017	63.675	TRUE	5.57E-15
Overall asthma	RPTOR	cg18758433	rs12601434	G	C	-0.312	0.027	0.234	6.97E-31	0.003	0.011	0.820	0.035	133.445	TRUE	3.86E-30
Overall asthma	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	-0.024	0.011	0.033	0.009	35.105	TRUE	1.35E-08
Overall asthma	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	0.001	0.010	0.930	0.077	308.823	TRUE	1.17E-66
Overall asthma	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	-0.002	0.016	0.900	0.015	57.192	TRUE	6.62E-14
Overall asthma	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	0.001	0.024	0.960	0.015	54.566	TRUE	2.31E-13
Overall asthma	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	-0.025	0.015	0.092	0.010	36.696	TRUE	4.63E-09
Overall asthma	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	-0.025	0.026	0.350	0.010	37.556	TRUE	2.01E-09
Overall asthma	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	-0.011	0.011	0.300	0.009	33.443	TRUE	1.59E-08
Overall asthma	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	0.005	0.010	0.640	0.080	319.702	TRUE	1.35E-68
Overall asthma	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	0.000	0.010	0.980	0.010	36.422	TRUE	2.05E-09
Overall asthma	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	-0.014	0.010	0.140	0.009	33.497	TRUE	1.99E-08
Overall asthma	RPTOR	cg18780100	rs9915667	A	G	0.178	0.024	0.438	4.64E-14	-0.003	0.010	0.780	0.015	56.844	TRUE	8.78E-14
Overall asthma	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	0.030	0.021	0.140	0.012	45.247	TRUE	5.95E-11
Overall asthma	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	-0.008	0.011	0.440	0.014	53.123	TRUE	7.78E-13
Overall asthma	RPTOR	cg19060120	rs34781048	A	G	0.164	0.024	0.434	8.07E-12	-0.002	0.010	0.800	0.012	46.724	TRUE	1.33E-11
Overall asthma	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	-0.007	0.014	0.620	0.034	130.485	TRUE	2.19E-29
Overall asthma	RPTOR	cg19060120	rs72850576	A	C	-0.185	0.033	0.155	1.48E-08	-0.021	0.013	0.110	0.009	32.058	TRUE	4.43E-08
Overall asthma	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	-0.041	0.032	0.190	0.011	41.353	TRUE	3.70E-10
Overall asthma	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	0.019	0.010	0.048	0.026	99.388	TRUE	3.28E-22
Overall asthma	RPTOR	cg19292222	rs13341621	A	G	0.328	0.050	0.080	5.55E-11	-0.024	0.018	0.200	0.011	42.949	TRUE	1.74E-10
Overall asthma	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	0.019	0.039	0.630	0.029	110.081	TRUE	4.41E-25
Overall asthma	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	-0.016	0.013	0.210	0.125	527.692	TRUE	1.59E-109
Overall asthma	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	-0.001	0.025	0.980	0.009	33.116	TRUE	1.09E-08
Overall asthma	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	-0.011	0.010	0.250	0.049	190.676	TRUE	1.23E-41
Overall asthma	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	-0.004	0.020	0.860	0.164	725.624	TRUE	7.07E-149
Overall asthma	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	0.008	0.010	0.430	0.022	82.705	TRUE	3.78E-19
Overall asthma	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	0.021	0.012	0.088	0.012	46.047	TRUE	4.94E-11
Overall asthma	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	-0.008	0.011	0.440	0.035	133.965	TRUE	5.30E-30
Overall asthma	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	-0.002	0.021	0.910	0.019	73.524	TRUE	1.96E-17
Overall asthma	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	-0.005	0.015	0.760	0.060	237.963	TRUE	6.11E-52
Overall asthma	RPTOR	cg19394169	rs4969323	C	G	-0.255	0.030	0.203	2.72E-17	-0.001	0.012	0.930	0.019	71.502	TRUE	5.27E-17
Overall asthma	RPTOR	cg19394169	rs547581211	A	T	0.341	0.059	0.036	6.11E-09	0.044	0.022	0.042	0.009	33.782	TRUE	2.34E-08
Overall asthma	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	-0.006	0.010	0.550	0.012	45.232	TRUE	3.54E-11
Overall asthma	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	-0.009	0.011	0.450	0.053	205.905	TRUE	5.13E-45

Overall asthma	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	-0.003	0.015	0.840	0.051	197.506	TRUE	1.34E-43
Overall asthma	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	0.005	0.010	0.630	0.441	2922.027	TRUE	<1E-200
Overall asthma	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	-0.005	0.012	0.670	0.050	194.802	TRUE	6.62E-43
Overall asthma	RPTOR	cg19394169	rs9903399	C	T	0.231	0.041	0.222	1.56E-08	-0.007	0.011	0.520	0.009	31.960	TRUE	2.79E-08
Overall asthma	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	-0.004	0.010	0.720	0.053	206.602	TRUE	2.10E-45
Overall asthma	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	-0.007	0.010	0.450	0.008	30.878	TRUE	5.00E-08
Overall asthma	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	0.007	0.017	0.690	0.031	117.133	TRUE	1.29E-26
Overall asthma	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	-0.046	0.015	0.003	0.009	33.866	TRUE	4.01E-08
Overall asthma	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	-0.026	0.022	0.250	0.010	38.061	TRUE	1.78E-09
Overall asthma	RPTOR	cg20462129	rs9915667	A	G	-0.140	0.023	0.438	1.62E-09	-0.003	0.010	0.780	0.010	36.364	TRUE	2.44E-09
Overall asthma	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	0.025	0.012	0.044	0.012	44.267	TRUE	1.46E-10
Overall asthma	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	0.000	0.010	1.000	0.015	56.992	TRUE	6.68E-14
Overall asthma	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	0.011	0.022	0.630	0.038	144.150	TRUE	2.87E-32
Overall asthma	RPTOR	cg20500836	rs908241	A	G	-0.264	0.047	0.129	1.77E-08	-0.008	0.014	0.560	0.009	31.717	TRUE	3.02E-08
Overall asthma	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	0.017	0.010	0.088	0.488	3524.466	TRUE	<1E-200
Overall asthma	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	0.015	0.015	0.330	0.013	49.906	TRUE	4.52E-12
Overall asthma	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	-0.013	0.020	0.510	0.031	117.598	TRUE	1.34E-26
Overall asthma	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	-0.017	0.012	0.160	0.012	45.166	TRUE	6.15E-11
Overall asthma	RPTOR	cg20502501	rs2589131	A	G	-0.258	0.034	0.152	1.64E-14	0.008	0.013	0.550	0.016	58.887	TRUE	4.02E-14
Overall asthma	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	0.003	0.011	0.770	0.015	56.727	TRUE	9.31E-14
Overall asthma	RPTOR	cg20502501	rs4969426	A	T	-0.179	0.024	0.375	6.79E-14	0.005	0.010	0.610	0.015	56.097	TRUE	1.50E-13
Overall asthma	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	-0.026	0.022	0.250	0.034	129.225	TRUE	8.33E-29
Overall asthma	RPTOR	cg20502501	rs60024815	T	A	-0.365	0.027	0.251	8.50E-43	-0.002	0.011	0.880	0.048	187.943	TRUE	1.23E-41
Overall asthma	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	0.003	0.017	0.860	0.036	138.193	TRUE	3.59E-31
Overall asthma	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	-0.005	0.010	0.590	0.012	44.178	TRUE	5.75E-11
Overall asthma	RPTOR	cg20502501	rs73368831	C	A	0.627	0.053	0.045	7.12E-32	0.041	0.021	0.058	0.036	137.973	TRUE	2.86E-30
Overall asthma	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	-0.027	0.018	0.140	0.042	162.462	TRUE	1.37E-35
Overall asthma	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	-0.019	0.010	0.053	0.052	203.321	TRUE	8.17E-44
Overall asthma	RPTOR	cg20758492	rs9894515	T	A	-0.363	0.058	0.041	4.72E-10	-0.045	0.023	0.052	0.010	38.767	TRUE	1.98E-09
Overall asthma	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	-0.024	0.044	0.590	0.008	31.647	TRUE	3.04E-08
Overall asthma	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	0.015	0.012	0.210	0.072	287.126	TRUE	2.06E-61
Overall asthma	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	-0.001	0.010	0.930	0.011	40.326	TRUE	2.97E-10
Overall asthma	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	-0.003	0.010	0.760	0.010	35.825	TRUE	3.26E-09
Overall asthma	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	-0.005	0.011	0.640	0.033	124.669	TRUE	3.46E-28
Overall asthma	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	-0.003	0.010	0.790	0.035	132.425	TRUE	6.58E-30
Overall asthma	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	-0.008	0.011	0.480	0.019	72.347	TRUE	5.73E-17
Overall asthma	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	-0.014	0.011	0.200	0.304	1614.509	TRUE	2.02E-306
Overall asthma	RPTOR	cg21143224	rs112803228	A	G	-0.886	0.106	0.031	4.76E-17	0.007	0.025	0.790	0.019	70.396	TRUE	1.05E-16
Overall asthma	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	0.012	0.029	0.690	0.015	57.513	TRUE	6.93E-14
Overall asthma	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	0.008	0.010	0.400	0.009	33.969	TRUE	1.12E-08
Overall asthma	RPTOR	cg21143224	rs4072746	T	C	0.215	0.038	0.115	1.62E-08	0.015	0.015	0.320	0.009	31.890	TRUE	3.45E-08
Overall asthma	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	-0.025	0.014	0.072	0.040	155.050	TRUE	6.66E-34

Overall asthma	RPTOR	cg21143224	rs4555197	G	C	0.262	0.027	0.243	5.03E-22	-0.006	0.011	0.620	0.025	93.025	TRUE	1.87E-21
Overall asthma	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	-0.047	0.023	0.044	0.027	101.411	TRUE	1.34E-22
Overall asthma	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	0.005	0.010	0.630	0.048	187.472	TRUE	2.44E-41
Overall asthma	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	-0.046	0.015	0.003	0.010	38.129	TRUE	5.14E-09
Overall asthma	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	-0.004	0.012	0.770	0.023	87.734	TRUE	2.08E-20
Overall asthma	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	0.014	0.012	0.240	0.015	56.424	TRUE	2.04E-13
Overall asthma	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	0.016	0.012	0.190	0.021	80.923	TRUE	1.45E-18
Overall asthma	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	-0.008	0.011	0.480	0.011	40.656	TRUE	3.68E-10
Overall asthma	RPTOR	cg21507958	rs118179825	G	C	-0.836	0.105	0.012	2.07E-15	0.040	0.036	0.270	0.017	62.965	TRUE	7.89E-15
Overall asthma	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	0.004	0.011	0.730	0.016	60.923	TRUE	1.21E-14
Overall asthma	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	0.016	0.010	0.096	0.019	73.530	TRUE	6.78E-17
Overall asthma	RPTOR	cg21507958	rs73368831	C	A	-1.228	0.052	0.045	8.50E-124	0.041	0.021	0.058	0.131	559.674	TRUE	4.28E-115
Overall asthma	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	-0.078	0.035	0.025	0.031	117.654	TRUE	6.52E-26
Overall asthma	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	-0.009	0.033	0.780	0.033	127.980	TRUE	5.78E-29
Overall asthma	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	-0.016	0.011	0.150	0.019	73.517	TRUE	5.91E-17
Overall asthma	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	-0.011	0.011	0.320	0.024	91.490	TRUE	6.25E-21
Overall asthma	RPTOR	cg22255288	rs75032657	G	C	-0.171	0.026	0.242	1.17E-10	-0.011	0.011	0.320	0.011	41.499	TRUE	2.90E-10
Overall asthma	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	-0.006	0.010	0.530	0.020	75.074	TRUE	1.41E-17
Overall asthma	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	-0.012	0.017	0.490	0.013	47.957	TRUE	9.74E-12
Overall asthma	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	0.003	0.010	0.790	0.031	118.674	TRUE	5.33E-27
Overall asthma	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	-0.024	0.044	0.590	0.009	32.766	TRUE	1.73E-08
Overall asthma	RPTOR	cg22386583	rs139980334	C	T	-0.297	0.047	0.065	3.04E-10	-0.002	0.017	0.900	0.011	39.627	TRUE	4.32E-10
Overall asthma	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	0.021	0.015	0.160	0.094	384.224	TRUE	6.22E-81
Overall asthma	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	-0.003	0.010	0.790	0.014	53.350	TRUE	4.96E-13
Overall asthma	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	0.006	0.016	0.720	0.009	34.867	TRUE	5.40E-09
Overall asthma	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	-0.010	0.011	0.370	0.054	209.690	TRUE	1.00E-45
Overall asthma	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	0.005	0.014	0.760	0.009	34.689	TRUE	5.81E-09
Overall asthma	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	-0.012	0.012	0.310	0.056	217.933	TRUE	2.26E-47
Overall asthma	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	-0.024	0.018	0.200	0.024	91.304	TRUE	9.25E-21
Overall asthma	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	-0.084	0.037	0.026	0.014	52.044	TRUE	3.74E-12
Overall asthma	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	-0.001	0.011	0.950	0.405	2517.411	TRUE	<1E-200
Overall asthma	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	-0.029	0.014	0.035	0.014	53.530	TRUE	1.59E-12
Overall asthma	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	0.012	0.014	0.390	0.012	44.399	TRUE	6.28E-11
Overall asthma	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	-0.046	0.015	0.003	0.010	36.424	TRUE	1.17E-08
Overall asthma	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	0.034	0.029	0.250	0.017	62.390	TRUE	1.09E-14
Overall asthma	RPTOR	cg22636722	rs908236	C	G	0.291	0.025	0.351	2.76E-32	0.003	0.010	0.770	0.036	139.849	TRUE	1.84E-31
Overall asthma	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	-0.001	0.010	0.910	0.012	43.433	TRUE	6.31E-11
Overall asthma	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	0.016	0.010	0.096	0.014	52.792	TRUE	1.68E-12
Overall asthma	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	-0.011	0.010	0.300	0.011	43.014	TRUE	1.46E-10
Overall asthma	RPTOR	cg22652378	rs34461761	C	G	0.265	0.037	0.114	1.50E-12	0.027	0.015	0.081	0.013	50.017	TRUE	7.32E-12
Overall asthma	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	-0.004	0.010	0.670	0.046	179.265	TRUE	1.14E-39
Overall asthma	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	0.000	0.010	0.970	0.008	31.504	TRUE	2.47E-08

Overall asthma	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	0.015	0.012	0.200	0.032	121.569	TRUE	3.62E-27
Overall asthma	RPTOR	cg22838354	rs4969429	A	G	-0.153	0.026	0.273	4.78E-09	0.008	0.011	0.450	0.009	34.257	TRUE	9.13E-09
Overall asthma	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	0.015	0.015	0.330	0.026	97.401	TRUE	3.50E-22
Overall asthma	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	-0.013	0.020	0.510	0.025	95.993	TRUE	5.02E-22
Overall asthma	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	-0.024	0.044	0.590	0.020	75.083	TRUE	1.30E-17
Overall asthma	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	-0.004	0.011	0.760	0.167	743.121	TRUE	4.62E-152
Overall asthma	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	-0.005	0.010	0.620	0.056	219.195	TRUE	6.23E-48
Overall asthma	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	0.021	0.015	0.160	0.211	988.951	TRUE	1.20E-196
Overall asthma	RPTOR	cg22878693	rs4996915	T	G	-0.277	0.048	0.082	5.90E-09	0.004	0.017	0.830	0.009	33.848	TRUE	8.34E-09
Overall asthma	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	-0.046	0.015	0.003	0.022	82.919	TRUE	2.40E-18
Overall asthma	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	-0.029	0.014	0.039	0.030	113.519	TRUE	4.05E-25
Overall asthma	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	-0.004	0.012	0.770	0.039	150.824	TRUE	8.92E-34
Overall asthma	RPTOR	cg22878693	rs72858222	G	C	-0.672	0.096	0.035	1.96E-12	-0.028	0.027	0.300	0.013	49.493	TRUE	5.68E-12
Overall asthma	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	0.001	0.010	0.940	0.048	187.509	TRUE	1.39E-41
Overall asthma	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	-0.023	0.011	0.035	0.024	91.212	TRUE	1.91E-20
Overall asthma	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	0.001	0.024	0.960	0.049	190.893	TRUE	2.62E-42
Overall asthma	RPTOR	cg22984380	rs139980334	C	T	-0.514	0.047	0.065	6.91E-28	-0.002	0.017	0.900	0.031	119.761	TRUE	2.72E-27
Overall asthma	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	-0.011	0.010	0.300	0.040	153.368	TRUE	6.70E-34
Overall asthma	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	0.023	0.013	0.079	0.017	64.965	TRUE	4.88E-15
Overall asthma	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	0.000	0.010	1.000	0.088	355.387	TRUE	3.32E-76
Overall asthma	RPTOR	cg22984380	rs4969429	A	G	0.277	0.026	0.273	6.39E-26	0.008	0.011	0.450	0.029	110.788	TRUE	4.01E-25
Overall asthma	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	-0.029	0.013	0.024	0.020	74.822	TRUE	5.89E-17
Overall asthma	RPTOR	cg22984380	rs7223529	A	T	0.220	0.028	0.228	3.05E-15	-0.003	0.011	0.820	0.017	62.200	TRUE	5.94E-15
Overall asthma	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	-0.027	0.018	0.140	0.078	313.751	TRUE	1.19E-66
Overall asthma	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	-0.005	0.011	0.690	0.367	2143.020	TRUE	<1E-200
Overall asthma	RPTOR	cg22984380	rs9909563	T	A	-0.317	0.027	0.269	2.02E-32	-0.009	0.011	0.430	0.037	140.477	TRUE	2.38E-31
Overall asthma	RPTOR	cg23019125	rs112803228	A	G	-0.677	0.106	0.031	1.77E-10	0.007	0.025	0.790	0.011	40.686	TRUE	2.77E-10
Overall asthma	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	0.058	0.037	0.120	0.016	59.253	TRUE	6.82E-14
Overall asthma	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	-0.012	0.011	0.290	0.015	55.471	TRUE	3.09E-13
Overall asthma	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	0.023	0.012	0.066	0.168	749.017	TRUE	1.94E-151
Overall asthma	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	-0.008	0.012	0.540	0.019	69.915	TRUE	1.77E-16
Overall asthma	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	0.000	0.010	1.000	0.031	118.686	TRUE	4.04E-27
Overall asthma	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	-0.029	0.013	0.024	0.009	32.241	TRUE	5.63E-08
Overall asthma	RPTOR	cg23238734	rs8073414	G	A	-0.172	0.024	0.353	1.84E-12	0.008	0.010	0.420	0.013	49.618	TRUE	4.58E-12
Overall asthma	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	0.022	0.015	0.140	0.014	52.300	TRUE	1.91E-12
Overall asthma	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	0.001	0.012	0.930	0.009	34.477	TRUE	5.64E-09
Overall asthma	RPTOR	cg23463786	rs9889802	G	C	-0.174	0.030	0.184	8.81E-09	0.006	0.013	0.640	0.009	33.071	TRUE	1.42E-08
Overall asthma	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	0.002	0.010	0.860	0.009	33.008	TRUE	1.25E-08
Overall asthma	RPTOR	cg23542426	rs7209810	C	G	0.498	0.049	0.059	4.86E-24	-0.027	0.022	0.220	0.027	102.207	TRUE	4.19E-23
Overall asthma	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	-0.006	0.011	0.570	0.024	91.546	TRUE	4.09E-21
Overall asthma	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	0.030	0.021	0.140	0.014	52.290	TRUE	1.87E-12
Overall asthma	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	-0.008	0.011	0.440	0.022	84.064	TRUE	1.89E-19

Overall asthma	RPTOR	cg23736297	rs34781048	A	G	0.171	0.024	0.434	1.42E-12	-0.002	0.010	0.800	0.013	50.130	TRUE	2.43E-12
Overall asthma	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	-0.007	0.014	0.620	0.058	226.660	TRUE	1.78E-49
Overall asthma	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	0.034	0.029	0.250	0.009	34.912	TRUE	8.43E-09
Overall asthma	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	-0.008	0.011	0.490	0.010	37.620	TRUE	1.67E-09
Overall asthma	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	0.005	0.010	0.580	0.120	502.239	TRUE	3.89E-105
Overall asthma	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	0.005	0.014	0.760	0.012	43.945	TRUE	5.59E-11
Overall asthma	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	-0.084	0.037	0.026	0.015	57.490	TRUE	2.66E-13
Overall asthma	RPTOR	cg24207068	rs2289763	G	C	1.202	0.032	0.119	<1E-200	-0.013	0.015	0.410	0.278	1421.615	TRUE	3.41E-274
Overall asthma	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	-0.025	0.026	0.350	0.008	30.958	TRUE	5.38E-08
Overall asthma	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	0.007	0.010	0.510	0.052	201.448	TRUE	3.86E-44
Overall asthma	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	-0.006	0.011	0.550	0.011	41.613	TRUE	2.09E-10
Overall asthma	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	0.012	0.011	0.250	0.009	33.984	TRUE	1.28E-08
Overall asthma	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	-0.026	0.025	0.290	0.020	75.775	TRUE	1.40E-17
Overall asthma	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	-0.029	0.014	0.039	0.016	60.400	TRUE	5.63E-14
Overall asthma	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	-0.004	0.020	0.860	0.027	103.256	TRUE	9.18E-24
Overall asthma	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	-0.004	0.011	0.740	0.075	297.971	TRUE	2.95E-64
Overall asthma	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	-0.004	0.014	0.760	0.009	32.160	TRUE	2.07E-08
Overall asthma	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	0.009	0.016	0.580	0.010	38.374	TRUE	1.04E-09
Overall asthma	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	0.021	0.012	0.088	0.018	69.079	TRUE	6.50E-16
Overall asthma	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	-0.005	0.017	0.750	0.019	71.116	TRUE	7.62E-17
Overall asthma	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	0.019	0.010	0.049	0.016	60.754	TRUE	4.36E-14
Overall asthma	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	0.005	0.031	0.880	0.008	30.330	TRUE	4.77E-08
Overall asthma	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	-0.020	0.023	0.380	0.010	36.095	TRUE	3.93E-09
Overall asthma	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	-0.037	0.023	0.110	0.017	63.053	TRUE	1.10E-14
Overall asthma	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	-0.009	0.011	0.400	0.102	418.606	TRUE	2.79E-88
Overall asthma	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	-0.007	0.011	0.510	0.020	74.544	TRUE	1.87E-17
Overall asthma	RPTOR	cg24315876	rs3751934	A	C	0.387	0.024	0.401	2.99E-59	-0.006	0.010	0.530	0.066	263.340	TRUE	5.68E-57
Overall asthma	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	-0.002	0.021	0.910	0.020	77.121	TRUE	3.31E-18
Overall asthma	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	-0.003	0.010	0.780	0.159	698.053	TRUE	1.74E-143
Overall asthma	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	-0.078	0.035	0.025	0.010	36.636	TRUE	6.57E-09
Overall asthma	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	-0.006	0.010	0.550	0.018	68.106	TRUE	4.27E-16
Overall asthma	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	0.002	0.014	0.920	0.110	456.324	TRUE	2.02E-96
Overall asthma	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	0.001	0.012	0.940	0.010	38.670	TRUE	6.75E-10
Overall asthma	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	-0.007	0.010	0.480	0.318	1722.199	TRUE	<1E-200
Overall asthma	RPTOR	cg24315876	rs9903399	C	T	0.294	0.041	0.222	4.93E-13	-0.007	0.011	0.520	0.014	52.203	TRUE	1.16E-12
Overall asthma	RPTOR	cg24315876	rs9915393	G	C	0.645	0.026	0.258	3.42E-137	-0.004	0.011	0.720	0.144	621.228	TRUE	1.31E-128
Overall asthma	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	-0.012	0.012	0.310	0.168	747.648	TRUE	3.53E-152
Overall asthma	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	0.006	0.016	0.720	0.009	32.834	TRUE	1.50E-08
Overall asthma	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	-0.010	0.011	0.370	0.060	235.207	TRUE	5.34E-51
Overall asthma	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	-0.023	0.018	0.210	0.013	47.762	TRUE	1.56E-11
Overall asthma	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	0.007	0.010	0.510	0.013	49.042	TRUE	5.63E-12
Overall asthma	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	-0.029	0.013	0.024	0.008	31.305	TRUE	8.89E-08

Overall asthma	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	-0.046	0.015	0.003	0.010	38.175	TRUE	5.03E-09
Overall asthma	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	0.034	0.029	0.250	0.011	40.413	TRUE	5.51E-10
Overall asthma	RPTOR	cg24327522	rs7502321	C	T	0.142	0.024	0.386	3.62E-09	0.010	0.010	0.330	0.009	34.800	TRUE	7.94E-09
Overall asthma	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	-0.004	0.011	0.740	0.037	143.167	TRUE	3.88E-32
Overall asthma	RPTOR	cg24343322	rs71368095	A	G	-0.159	0.028	0.219	8.46E-09	-0.011	0.011	0.320	0.009	33.148	TRUE	1.84E-08
Overall asthma	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	-0.003	0.010	0.780	0.024	90.663	TRUE	4.87E-21
Overall asthma	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	-0.007	0.010	0.450	0.014	53.838	TRUE	5.48E-13
Overall asthma	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	-0.003	0.010	0.730	0.069	273.325	TRUE	3.35E-59
Overall asthma	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	-0.004	0.010	0.680	0.009	32.226	TRUE	2.11E-08
Overall asthma	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	0.011	0.016	0.490	0.010	37.168	TRUE	2.07E-09
Overall asthma	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	0.002	0.010	0.860	0.014	53.012	TRUE	5.48E-13
Overall asthma	RPTOR	cg25288455	rs12185227	G	C	-0.137	0.024	0.390	7.87E-09	0.004	0.010	0.690	0.009	33.288	TRUE	1.23E-08
Overall asthma	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	0.013	0.010	0.160	0.037	143.654	TRUE	9.60E-32
Overall asthma	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	0.003	0.017	0.850	0.013	48.607	TRUE	4.95E-12
Overall asthma	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	0.002	0.018	0.900	0.012	45.656	TRUE	2.10E-11
Overall asthma	RPTOR	cg25673241	rs12185227	G	C	-0.137	0.024	0.390	9.17E-09	0.004	0.010	0.690	0.009	32.992	TRUE	1.42E-08
Overall asthma	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	0.013	0.010	0.160	0.024	92.786	TRUE	4.59E-21
Overall asthma	RPTOR	cg25673241	rs62069691	T	A	0.302	0.041	0.087	2.13E-13	-0.001	0.016	0.950	0.014	53.856	TRUE	3.34E-13
Overall asthma	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	0.000	0.010	0.970	0.010	36.864	TRUE	1.64E-09
Overall asthma	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	-0.009	0.011	0.400	0.012	46.209	TRUE	2.51E-11
Overall asthma	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	0.006	0.010	0.540	0.054	210.465	TRUE	4.85E-46
Overall asthma	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	-0.010	0.014	0.460	0.008	31.439	TRUE	3.70E-08
Overall asthma	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	0.021	0.012	0.088	0.025	94.316	TRUE	3.13E-21
Overall asthma	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	0.000	0.011	0.990	0.013	50.567	TRUE	1.67E-12
Overall asthma	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	0.006	0.014	0.650	0.008	31.173	TRUE	3.67E-08
Overall asthma	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	-0.084	0.037	0.026	0.013	46.839	TRUE	4.68E-11
Overall asthma	RPTOR	cg25902229	rs181994473	A	G	-0.245	0.044	0.090	2.76E-08	-0.018	0.016	0.270	0.008	30.855	TRUE	6.18E-08
Overall asthma	RPTOR	cg25902229	rs2289765	G	A	1.029	0.033	0.137	1.51E-212	-0.019	0.015	0.210	0.207	967.618	TRUE	6.65E-193
Overall asthma	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	0.000	0.012	0.990	0.009	34.655	TRUE	4.95E-09
Overall asthma	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	0.013	0.010	0.160	0.014	53.714	TRUE	8.83E-13
Overall asthma	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	0.005	0.010	0.630	0.291	1521.519	TRUE	6.68E-292
Overall asthma	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	-0.004	0.010	0.710	0.041	156.454	TRUE	6.42E-35
Overall asthma	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	-0.006	0.010	0.550	0.010	37.626	TRUE	1.57E-09
Overall asthma	RPTOR	cg25902229	rs58903229	A	T	0.560	0.049	0.080	6.34E-30	-0.022	0.018	0.230	0.034	129.063	TRUE	9.41E-29
Overall asthma	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	0.020	0.010	0.036	0.038	144.298	TRUE	1.60E-31
Overall asthma	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	0.004	0.014	0.780	0.059	230.051	TRUE	2.55E-50
Overall asthma	RPTOR	cg25902229	rs7209723	C	G	0.163	0.028	0.247	4.09E-09	-0.014	0.011	0.210	0.009	34.562	TRUE	1.06E-08
Overall asthma	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	-0.029	0.013	0.024	0.011	41.634	TRUE	5.75E-10
Overall asthma	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	-0.004	0.020	0.860	0.011	39.926	TRUE	3.84E-10
Overall asthma	RPTOR	cg25902229	rs7502321	C	T	0.205	0.024	0.386	1.29E-17	0.010	0.010	0.330	0.019	72.965	TRUE	5.23E-17
Overall asthma	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	-0.062	0.044	0.160	0.008	30.994	TRUE	6.71E-08
Overall asthma	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	-0.004	0.014	0.760	0.010	36.328	TRUE	2.54E-09

Overall asthma	RPTOR	cg25902229	rs9897600	T	C	0.237	0.043	0.082	4.39E-08	-0.005	0.016	0.750	0.008	29.953	TRUE	6.35E-08
Overall asthma	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	0.008	0.015	0.610	0.008	30.109	TRUE	6.48E-08
Overall asthma	RPTOR	cg25985643	rs116931702	G	C	-0.398	0.045	0.069	5.70E-19	-0.013	0.018	0.480	0.021	79.127	TRUE	2.07E-18
Overall asthma	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	-0.005	0.010	0.620	0.017	65.878	TRUE	1.18E-15
Overall asthma	RPTOR	cg25985643	rs12951739	T	G	-0.639	0.023	0.455	2.38E-175	-0.015	0.010	0.130	0.177	796.605	TRUE	8.44E-161
Overall asthma	RPTOR	cg25985643	rs2672871	C	G	-0.190	0.030	0.187	2.37E-10	0.025	0.012	0.041	0.011	40.112	TRUE	1.11E-09
Overall asthma	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	0.016	0.016	0.340	0.012	46.210	TRUE	2.81E-11
Overall asthma	RPTOR	cg25985643	rs4072746	T	C	0.231	0.038	0.115	1.63E-09	0.015	0.015	0.320	0.010	36.356	TRUE	3.73E-09
Overall asthma	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	-0.006	0.016	0.720	0.011	41.998	TRUE	1.52E-10
Overall asthma	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	-0.002	0.017	0.890	0.050	193.597	TRUE	7.98E-43
Overall asthma	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	-0.025	0.026	0.350	0.008	30.300	TRUE	7.48E-08
Overall asthma	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	-0.028	0.014	0.041	0.028	105.859	TRUE	1.51E-23
Overall asthma	RPTOR	cg25985643	rs72856538	C	G	-0.191	0.028	0.219	1.62E-11	-0.003	0.012	0.770	0.012	45.362	TRUE	2.67E-11
Overall asthma	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	0.008	0.013	0.520	0.040	152.875	TRUE	4.87E-34
Overall asthma	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	0.025	0.012	0.041	0.020	76.735	TRUE	2.07E-17
Overall asthma	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	-0.008	0.012	0.540	0.017	63.801	TRUE	3.62E-15
Overall asthma	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	-0.019	0.010	0.051	0.018	67.895	TRUE	1.32E-15
Overall asthma	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	-0.004	0.010	0.680	0.013	48.814	TRUE	5.22E-12
Overall asthma	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	-0.011	0.011	0.350	0.016	60.284	TRUE	2.71E-14
Overall asthma	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	-0.004	0.010	0.680	0.076	303.809	TRUE	2.07E-65
Overall asthma	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	-0.007	0.010	0.480	0.008	30.163	TRUE	7.00E-08
Overall asthma	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	-0.005	0.010	0.630	0.014	52.652	TRUE	8.17E-13
Overall asthma	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	-0.007	0.010	0.450	0.052	204.673	TRUE	8.95E-45
Overall asthma	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	-0.019	0.010	0.051	0.009	34.318	TRUE	1.72E-08
Overall asthma	RPTOR	cg26714263	rs7222906	C	T	0.195	0.029	0.202	2.33E-11	-0.009	0.012	0.470	0.012	44.645	TRUE	5.05E-11
Overall asthma	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	-0.062	0.044	0.160	0.024	90.737	TRUE	1.30E-20
Overall asthma	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	0.004	0.010	0.650	0.009	33.624	TRUE	1.07E-08
Overall asthma	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	0.004	0.010	0.670	0.021	81.216	TRUE	5.77E-19
Overall asthma	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	-0.008	0.011	0.440	0.033	127.987	TRUE	9.60E-29
Overall asthma	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	-0.008	0.012	0.520	0.008	31.433	TRUE	3.57E-08
Overall asthma	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	-0.062	0.044	0.160	0.019	70.262	TRUE	2.79E-16
Overall asthma	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	0.037	0.036	0.310	0.009	32.160	TRUE	3.06E-08
Overall asthma	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	0.032	0.029	0.260	0.012	45.188	TRUE	4.98E-11
Overall asthma	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	-0.001	0.016	0.950	0.017	63.367	TRUE	2.93E-15
Overall asthma	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	-0.001	0.024	0.980	0.018	66.359	TRUE	6.43E-16
Overall asthma	RPTOR	cg27210166	rs11869826	A	G	-0.751	0.024	0.310	1.26E-218	-0.009	0.010	0.410	0.212	995.567	TRUE	1.58E-198
Overall asthma	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	0.001	0.011	0.950	0.015	57.073	TRUE	6.69E-14
Overall asthma	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	-0.013	0.011	0.220	0.031	116.727	TRUE	3.51E-26
Overall asthma	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	0.003	0.010	0.790	0.020	76.700	TRUE	4.71E-18
Overall asthma	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	0.015	0.012	0.200	0.026	98.989	TRUE	2.05E-22
Overall asthma	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	0.000	0.010	1.000	0.036	138.043	TRUE	3.19E-31
Overall asthma	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	-0.002	0.011	0.830	0.010	39.221	TRUE	5.60E-10

Overall asthma	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	0.002	0.013	0.860	0.015	57.639	TRUE	5.45E-14
Overall asthma	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	-0.025	0.026	0.350	0.025	94.634	TRUE	1.30E-21
Overall asthma	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	-0.025	0.015	0.110	0.020	76.036	TRUE	2.06E-17
Overall asthma	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	0.014	0.012	0.240	0.018	68.457	TRUE	5.57E-16
Overall asthma	RPTOR	cg27210166	rs9909563	T	A	-0.194	0.027	0.269	4.61E-13	-0.009	0.011	0.430	0.014	52.334	TRUE	1.19E-12
Overall asthma	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	0.006	0.016	0.720	0.010	36.418	TRUE	2.47E-09
Overall asthma	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	0.004	0.010	0.650	0.018	66.697	TRUE	7.58E-16
Overall asthma	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	-0.009	0.011	0.390	0.069	273.771	TRUE	5.77E-59
Overall asthma	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	-0.008	0.012	0.480	0.017	63.813	TRUE	3.81E-15
Overall asthma	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	0.020	0.010	0.036	0.009	31.999	TRUE	5.86E-08
Overall asthma	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	-0.007	0.010	0.480	0.018	68.371	TRUE	4.05E-16
Overall asthma	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	-0.001	0.010	0.910	0.016	59.177	TRUE	2.43E-14
Overall asthma	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	0.023	0.013	0.079	0.012	44.319	TRUE	1.17E-10
Overall asthma	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	0.000	0.012	1.000	0.079	316.635	TRUE	2.57E-68
Overall asthma	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	0.013	0.010	0.160	0.014	50.632	TRUE	4.01E-12
Overall asthma	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	-0.024	0.011	0.032	0.009	32.075	TRUE	5.95E-08
Overall asthma	RPTOR	cg27460531	rs4969426	A	T	0.134	0.024	0.375	1.92E-08	0.005	0.010	0.610	0.008	31.558	TRUE	3.12E-08
Overall asthma	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	-0.042	0.019	0.022	0.015	56.774	TRUE	3.61E-13
Overall asthma	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	-0.004	0.014	0.770	0.014	51.278	TRUE	1.41E-12
Overall asthma	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	-0.006	0.010	0.550	0.016	61.662	TRUE	1.02E-14
Overall asthma	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	0.037	0.036	0.310	0.009	31.868	TRUE	3.54E-08
Overall asthma	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	0.007	0.010	0.510	0.013	49.483	TRUE	4.44E-12
Overall asthma	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	0.007	0.010	0.500	0.040	155.075	TRUE	1.80E-34
Overall asthma	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	-0.025	0.026	0.350	0.021	80.143	TRUE	1.54E-18
Overall asthma	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	0.019	0.012	0.110	0.026	99.951	TRUE	1.75E-22
Overall asthma	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	-0.029	0.014	0.039	0.023	85.585	TRUE	2.84E-19
Overall asthma	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	-0.007	0.025	0.780	0.031	119.900	TRUE	2.94E-27
Overall asthma	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	-0.009	0.012	0.420	0.176	790.633	TRUE	1.50E-160
Overall asthma	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	0.003	0.010	0.770	0.019	71.795	TRUE	5.35E-17
Overall asthma	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	0.000	0.010	0.990	0.026	98.372	TRUE	8.62E-23
Overall asthma	RUFY4	cg01712671	rs6436023	G	A	0.152	0.024	0.398	3.36E-10	-0.006	0.010	0.570	0.011	39.430	TRUE	6.23E-10
Overall asthma	RUFY4	cg11417360	rs6737563	T	C	0.154	0.024	0.469	6.46E-11	-0.021	0.010	0.027	0.011	42.652	TRUE	3.36E-10
Overall asthma	RUFY4	cg18102446	rs13431952	C	T	-0.746	0.021	0.401	4.75E-271	-0.005	0.010	0.590	0.251	1236.643	TRUE	2.51E-242
Overall asthma	RUFY4	cg18102446	rs148418050	T	G	-0.333	0.048	0.067	2.61E-12	-0.028	0.018	0.110	0.013	48.934	TRUE	1.06E-11
Overall asthma	RUFY4	cg18102446	rs3181212	A	G	0.331	0.050	0.122	2.75E-11	-0.026	0.014	0.069	0.012	44.321	TRUE	1.23E-10
Overall asthma	RUFY4	cg18102446	rs56083579	T	G	-0.362	0.038	0.116	1.22E-21	-0.010	0.016	0.530	0.024	91.281	TRUE	4.92E-21
Overall asthma	RUFY4	cg18102446	rs7426289	C	T	-0.210	0.023	0.483	3.17E-19	-0.025	0.010	0.009	0.021	80.282	TRUE	5.76E-18
Overall asthma	RUFY4	cg18105065	rs7419750	A	G	-0.246	0.026	0.289	8.51E-22	-0.012	0.010	0.240	0.024	91.986	TRUE	5.88E-21
Overall asthma	SCARB2	cg13648715	rs13111888	A	G	-0.244	0.031	0.169	3.36E-15	-0.017	0.013	0.170	0.016	62.010	TRUE	1.46E-14
Overall asthma	SCARB2	cg13648715	rs76229059	G	A	0.260	0.035	0.140	1.51E-13	0.010	0.014	0.490	0.015	54.527	TRUE	3.72E-13
Overall asthma	SCARB2	cg13870520	rs12501628	C	T	-0.140	0.025	0.314	4.27E-08	0.015	0.010	0.150	0.008	30.007	TRUE	1.15E-07
Overall asthma	SCARB2	cg13870520	rs13111888	A	G	-0.478	0.031	0.169	5.59E-55	-0.017	0.013	0.170	0.062	243.755	TRUE	1.68E-52

Overall asthma	SCARB2	cg13870520	rs13135639	A	G	-0.147	0.024	0.397	1.16E-09	-0.011	0.010	0.270	0.010	37.018	TRUE	2.88E-09
Overall asthma	SCARB2	cg13870520	rs34343322	C	G	-0.278	0.043	0.080	8.01E-11	0.030	0.018	0.092	0.011	42.233	TRUE	3.04E-10
Overall asthma	SCARB2	cg13870520	rs4859567	A	T	-0.153	0.028	0.231	3.82E-08	-0.016	0.011	0.150	0.008	30.224	TRUE	1.01E-07
Overall asthma	SCARB2	cg13870520	rs7655536	C	T	-0.194	0.031	0.189	2.68E-10	-0.012	0.012	0.330	0.011	39.876	TRUE	6.48E-10
Overall asthma	SCARB2	cg13870520	rs7694850	C	T	0.144	0.024	0.369	3.49E-09	0.013	0.010	0.200	0.009	34.873	TRUE	9.37E-09
Overall asthma	SCARB2	cg17465343	rs10006380	T	C	0.183	0.030	0.197	1.03E-09	-0.032	0.012	0.008	0.010	37.239	TRUE	6.29E-09
Overall asthma	SCARB2	cg17465343	rs112253234	C	T	-0.616	0.076	0.024	4.08E-16	0.065	0.028	0.021	0.018	66.162	TRUE	4.16E-15
Overall asthma	SCARB2	cg17465343	rs112868025	G	A	0.232	0.036	0.133	1.30E-10	-0.012	0.014	0.380	0.011	41.286	TRUE	2.95E-10
Overall asthma	SCARB2	cg17465343	rs1530297	A	G	0.163	0.024	0.421	6.12E-12	-0.004	0.010	0.660	0.013	47.265	TRUE	1.16E-11
Overall asthma	SCARB2	cg17465343	rs17001970	T	C	-0.379	0.048	0.058	4.78E-15	0.003	0.020	0.900	0.016	61.316	TRUE	8.47E-15
Overall asthma	SCARB2	cg17465343	rs34855591	C	T	-0.324	0.057	0.045	1.15E-08	0.014	0.024	0.560	0.009	32.547	TRUE	1.97E-08
Overall asthma	SCARB2	cg17465343	rs4859611	T	C	-0.195	0.026	0.280	3.72E-14	0.027	0.011	0.010	0.015	57.278	TRUE	3.37E-13
Overall asthma	SCARB2	cg17465343	rs6812193	T	C	-0.183	0.024	0.361	1.58E-14	0.007	0.010	0.480	0.016	58.969	TRUE	4.14E-14
Overall asthma	SCARB2	cg17465343	rs72655538	C	G	-0.849	0.032	0.149	6.81E-157	0.037	0.013	0.005	0.161	711.767	TRUE	2.16E-143
Overall asthma	SCARB2	cg17465343	rs7349626	A	C	-0.268	0.042	0.087	1.77E-10	-0.016	0.018	0.370	0.011	40.684	TRUE	4.05E-10
Overall asthma	SCARB2	cg17465343	rs9991821	A	G	-0.217	0.027	0.212	2.70E-15	0.003	0.011	0.810	0.017	62.443	TRUE	5.34E-15
Overall asthma	SCARB2	cg19050061	rs11547135	T	C	-0.158	0.025	0.341	3.24E-10	-0.010	0.010	0.320	0.011	39.504	TRUE	7.79E-10
Overall asthma	SCARB2	cg19878838	rs12640185	C	T	0.278	0.024	0.411	4.13E-32	-0.005	0.010	0.600	0.036	139.054	TRUE	3.53E-31
Overall asthma	SCARB2	cg25841625	rs144649278	C	T	0.801	0.104	0.015	1.42E-14	-0.007	0.040	0.870	0.016	59.172	TRUE	2.54E-14
Overall asthma	SCARB2	cg25841625	rs3733259	A	G	-0.322	0.033	0.145	2.02E-22	0.007	0.014	0.600	0.025	94.830	TRUE	7.72E-22
Overall asthma	SCOC	cg01300684	rs60054902	A	G	-0.332	0.044	0.078	4.78E-14	-0.043	0.018	0.018	0.015	56.787	TRUE	4.07E-13
Overall asthma	SCOC	cg02182440	rs116730782	G	A	-0.391	0.063	0.035	6.73E-10	-0.058	0.025	0.021	0.010	38.078	TRUE	3.43E-09
Overall asthma	SCOC	cg03033182	rs370662661	G	C	0.394	0.072	0.028	4.98E-08	0.058	0.029	0.048	0.008	29.708	TRUE	1.73E-07
Overall asthma	SCOC	cg03963654	rs13102559	T	C	-0.157	0.027	0.233	9.38E-09	0.012	0.011	0.280	0.009	32.947	TRUE	2.14E-08
Overall asthma	SCOC	cg03963654	rs370662661	G	C	-1.738	0.069	0.028	1.18E-139	0.058	0.029	0.048	0.146	632.542	TRUE	3.83E-129
Overall asthma	SCOC	cg06775361	rs6536830	C	T	0.337	0.041	0.084	2.04E-16	0.010	0.017	0.570	0.018	67.527	TRUE	5.51E-16
Overall asthma	SCOC	cg06968674	rs13102559	T	C	-0.166	0.027	0.233	9.15E-10	0.012	0.011	0.280	0.010	37.479	TRUE	2.25E-09
Overall asthma	SCOC	cg06968674	rs370662661	G	C	-1.135	0.070	0.028	1.59E-58	0.058	0.029	0.048	0.066	260.008	TRUE	2.22E-55
Overall asthma	SCOC	cg07444408	rs12645464	C	T	-0.247	0.039	0.108	3.42E-10	-0.013	0.016	0.410	0.011	39.397	TRUE	7.34E-10
Overall asthma	SCOC	cg07444408	rs2089897	C	G	-0.299	0.028	0.242	1.67E-27	-0.015	0.011	0.190	0.031	118.010	TRUE	2.27E-26
Overall asthma	SCOC	cg17666096	rs3097594	A	C	0.402	0.054	0.053	1.67E-13	0.020	0.022	0.370	0.014	54.335	TRUE	4.76E-13
Overall asthma	SCOC	cg17666096	rs358318	A	G	1.187	0.061	0.035	1.92E-85	-0.018	0.026	0.490	0.094	383.523	TRUE	2.36E-81
Overall asthma	SCOC	cg17933300	rs883945	G	A	0.441	0.041	0.083	1.28E-26	0.008	0.017	0.630	0.030	113.970	TRUE	6.59E-26
Overall asthma	SCOC	cg21986225	rs11100622	T	C	0.165	0.026	0.301	1.35E-10	-0.014	0.010	0.170	0.011	41.207	TRUE	4.28E-10
Overall asthma	SCOC	cg21986225	rs75013136	A	T	1.185	0.060	0.035	1.08E-85	-0.022	0.025	0.380	0.094	384.668	TRUE	1.96E-81
Overall asthma	SCOC	cg23839709	rs67983466	C	T	-0.208	0.037	0.105	2.18E-08	-0.002	0.016	0.880	0.008	31.308	TRUE	2.91E-08
Overall asthma	SCOC	cg24810741	rs9884525	C	T	0.314	0.052	0.047	1.38E-09	-0.023	0.022	0.290	0.010	36.684	TRUE	3.25E-09
Overall asthma	SESN1	cg01304950	rs1998172	C	A	0.471	0.038	0.126	5.58E-36	-0.025	0.015	0.087	0.041	156.745	TRUE	2.57E-34
Overall asthma	SESN1	cg08336300	rs6908184	T	C	-0.305	0.036	0.144	1.11E-17	-0.032	0.013	0.017	0.019	73.270	TRUE	1.50E-16
Overall asthma	SESN1	cg12460075	rs13193727	T	G	1.012	0.081	0.025	7.00E-36	-0.008	0.032	0.810	0.041	156.294	TRUE	5.97E-35
Overall asthma	SESN1	cg12460075	rs13207770	A	G	0.338	0.041	0.105	2.12E-16	0.021	0.015	0.170	0.018	67.447	TRUE	1.10E-15
Overall asthma	SESN1	cg12460075	rs35079319	A	G	1.366	0.062	0.044	5.01E-106	0.005	0.024	0.820	0.114	478.042	TRUE	1.23E-100

Overall asthma	SESN1	cg12914954	rs17070143	A	G	-1.515	0.088	0.024	7.39E-67	-0.001	0.034	0.980	0.075	298.228	TRUE	1.56E-64
Overall asthma	SESN1	cg12914954	rs60468951	T	C	-1.169	0.097	0.020	2.15E-33	-0.002	0.039	0.950	0.038	144.924	TRUE	1.19E-32
Overall asthma	SESN1	cg17117243	rs408944	C	G	-0.141	0.026	0.387	4.58E-08	-0.009	0.010	0.350	0.008	29.869	TRUE	9.16E-08
Overall asthma	SESN1	cg17117243	rs555995250	A	C	-0.389	0.039	0.113	1.22E-23	-0.038	0.015	0.008	0.026	100.378	TRUE	3.48E-22
Overall asthma	SESN1	cg17117243	rs9384702	T	A	0.209	0.034	0.175	5.44E-10	0.004	0.013	0.770	0.010	38.492	TRUE	8.44E-10
Overall asthma	SFN	cg13235717	rs12729652	A	G	0.310	0.031	0.169	6.66E-24	0.036	0.013	0.005	0.027	101.585	TRUE	2.44E-22
Overall asthma	SFN	cg14825555	rs35428899	T	C	-0.498	0.067	0.029	8.63E-14	0.022	0.025	0.370	0.015	55.627	TRUE	2.47E-13
Overall asthma	SGMS1	cg03236180	rs151131602	T	C	0.589	0.099	0.014	2.74E-09	0.032	0.037	0.390	0.009	35.339	TRUE	5.72E-09
Overall asthma	SGMS1	cg13576994	rs10826126	A	C	0.132	0.023	0.430	1.47E-08	0.009	0.010	0.360	0.009	32.076	TRUE	3.00E-08
Overall asthma	SGMS1	cg13799263	rs10740666	C	T	-0.160	0.026	0.272	9.38E-10	-0.004	0.011	0.730	0.010	37.429	TRUE	1.48E-09
Overall asthma	SGMS1	cg13799263	rs10826100	A	G	0.214	0.023	0.449	2.08E-20	-0.011	0.010	0.230	0.023	85.666	TRUE	1.22E-19
Overall asthma	SGMS1	cg13799263	rs2474612	T	C	0.151	0.024	0.383	4.45E-10	0.000	0.010	0.990	0.010	38.882	TRUE	5.87E-10
Overall asthma	SGMS1	cg13799263	rs56323928	G	T	0.405	0.061	0.039	4.03E-11	0.006	0.022	0.780	0.012	43.575	TRUE	6.56E-11
Overall asthma	SGMS1	cg13799263	rs7092753	G	A	0.295	0.024	0.348	3.74E-34	-0.004	0.010	0.700	0.039	148.394	TRUE	3.24E-33
Overall asthma	SGMS1	cg20014988	rs10740762	A	G	-0.373	0.025	0.339	2.09E-51	-0.023	0.010	0.025	0.058	227.382	TRUE	1.58E-48
Overall asthma	SGMS1	cg20014988	rs2983356	G	A	-0.311	0.046	0.080	1.33E-11	-0.036	0.018	0.041	0.012	45.746	TRUE	6.71E-11
Overall asthma	SGMS1	cg20014988	rs59120825	C	G	0.273	0.028	0.203	4.09E-22	0.022	0.012	0.064	0.025	93.438	TRUE	5.17E-21
Overall asthma	SGMS1	cg26665667	rs10763560	G	A	0.327	0.025	0.309	8.19E-40	-0.005	0.010	0.660	0.045	174.283	TRUE	1.30E-38
Overall asthma	SGSH	cg01502244	rs2269374	A	G	0.168	0.024	0.393	2.19E-12	-0.016	0.010	0.092	0.013	49.283	TRUE	9.48E-12
Overall asthma	SGSH	cg06331359	rs112984162	G	C	-0.226	0.041	0.088	4.21E-08	0.008	0.017	0.660	0.008	30.034	TRUE	6.48E-08
Overall asthma	SGSH	cg08956673	rs139825717	G	A	-0.685	0.122	0.021	2.09E-08	0.057	0.032	0.077	0.008	31.390	TRUE	6.73E-08
Overall asthma	SGSH	cg08956673	rs150208213	C	T	-0.816	0.147	0.014	2.88E-08	-0.001	0.038	0.970	0.008	30.772	TRUE	3.59E-08
Overall asthma	SGSH	cg08956673	rs72850881	A	G	-0.194	0.031	0.179	4.48E-10	0.028	0.013	0.028	0.010	38.872	TRUE	2.11E-09
Overall asthma	SGSH	cg08956673	rs9894254	T	C	-1.323	0.057	0.042	1.43E-119	0.014	0.022	0.520	0.127	540.255	TRUE	1.53E-112
Overall asthma	SGSH	cg09902913	rs4889991	G	A	-0.191	0.031	0.181	5.21E-10	0.010	0.013	0.420	0.010	38.577	TRUE	1.08E-09
Overall asthma	SGSH	cg09902913	rs540419666	A	C	-0.573	0.089	0.023	1.31E-10	-0.029	0.033	0.390	0.011	41.270	TRUE	3.01E-10
Overall asthma	SGSH	cg09902913	rs61118700	T	C	0.199	0.034	0.139	5.69E-09	0.000	0.014	0.980	0.009	33.920	TRUE	7.25E-09
Overall asthma	SGSH	cg09902913	rs7214131	A	G	0.253	0.029	0.205	6.32E-18	0.032	0.012	0.009	0.020	74.379	TRUE	1.04E-16
Overall asthma	SGSH	cg09902913	rs7503034	T	C	-0.572	0.024	0.315	6.09E-123	-0.020	0.010	0.049	0.131	555.748	TRUE	2.75E-114
Overall asthma	SGSH	cg09902913	rs755341	T	C	-0.211	0.024	0.470	4.34E-19	0.002	0.010	0.810	0.021	79.663	TRUE	1.05E-18
Overall asthma	SGSH	cg09902913	rs79955395	T	A	-0.235	0.039	0.096	1.86E-09	-0.015	0.016	0.320	0.010	36.095	TRUE	4.09E-09
Overall asthma	SH3GLB1	cg10625266	rs114218357	A	G	1.176	0.142	0.011	1.22E-16	-0.001	0.044	0.980	0.018	68.547	TRUE	2.17E-16
Overall asthma	SH3GLB1	cg10625266	rs6687821	G	C	0.231	0.031	0.184	4.46E-14	0.017	0.013	0.170	0.015	56.925	TRUE	1.77E-13
Overall asthma	SH3GLB1	cg11204830	rs114218357	A	G	1.008	0.141	0.011	8.81E-13	-0.001	0.044	0.980	0.014	51.065	TRUE	1.31E-12
Overall asthma	SH3GLB1	cg11204830	rs263436	A	G	0.270	0.028	0.225	2.25E-21	0.027	0.012	0.019	0.024	90.068	TRUE	3.82E-20
Overall asthma	SH3RF1	cg05907036	rs10013658	C	A	0.398	0.023	0.496	6.20E-65	0.016	0.010	0.090	0.073	289.402	TRUE	1.37E-61
Overall asthma	SH3RF1	cg05907036	rs35169897	T	C	-0.266	0.026	0.268	5.70E-24	0.018	0.011	0.099	0.027	101.894	TRUE	7.21E-23
Overall asthma	SH3RF1	cg05907036	rs4295223	A	G	-0.212	0.038	0.103	2.02E-08	-0.009	0.016	0.560	0.008	31.457	TRUE	3.40E-08
Overall asthma	SH3RF1	cg05907036	rs72710307	C	T	-0.291	0.038	0.095	3.98E-14	-0.009	0.016	0.580	0.015	57.148	TRUE	9.25E-14
Overall asthma	SH3RF1	cg07082484	rs112555385	G	C	-0.569	0.047	0.071	7.13E-34	0.015	0.019	0.440	0.038	147.112	TRUE	9.55E-33
Overall asthma	SH3RF1	cg07082484	rs11732885	C	T	0.148	0.024	0.407	8.28E-10	-0.006	0.010	0.520	0.010	37.672	TRUE	1.57E-09
Overall asthma	SH3RF1	cg07082484	rs12508973	C	A	-0.269	0.024	0.456	4.27E-29	-0.005	0.010	0.590	0.033	125.280	TRUE	2.85E-28

Overall asthma	SH3RF1	cg07082484	rs140619010	G	A	-0.534	0.056	0.039	1.15E-21	-0.015	0.024	0.540	0.024	91.383	TRUE	4.68E-21
Overall asthma	SH3RF1	cg07082484	rs4072953	C	G	-0.794	0.021	0.336	<1E-200	0.023	0.010	0.023	0.278	1426.083	TRUE	7.34E-273
Overall asthma	SH3RF1	cg07082484	rs62333101	C	T	0.305	0.039	0.097	9.38E-15	-0.030	0.015	0.048	0.016	59.991	TRUE	6.52E-14
Overall asthma	SH3RF1	cg07082484	rs6836768	C	T	-0.426	0.068	0.030	3.02E-10	0.016	0.027	0.540	0.011	39.639	TRUE	5.70E-10
Overall asthma	SH3RF1	cg07082484	rs72706443	C	T	-0.709	0.078	0.024	1.50E-19	0.026	0.027	0.330	0.022	81.765	TRUE	6.99E-19
Overall asthma	SH3RF1	cg07082484	rs7688854	A	G	-0.483	0.036	0.117	3.05E-40	0.021	0.015	0.140	0.045	176.247	TRUE	1.65E-38
Overall asthma	SH3RF1	cg07082484	rs9997176	C	T	-0.562	0.055	0.045	1.95E-24	0.061	0.023	0.009	0.027	104.015	TRUE	6.82E-23
Overall asthma	SH3RF1	cg09178384	rs1112821	C	A	0.512	0.023	0.494	4.33E-108	0.017	0.010	0.081	0.116	487.519	TRUE	3.84E-101
Overall asthma	SH3RF1	cg09178384	rs17710102	C	T	-0.194	0.035	0.126	3.18E-08	-0.002	0.014	0.900	0.008	30.576	TRUE	4.17E-08
Overall asthma	SH3RF1	cg09178384	rs200262160	T	C	-0.261	0.031	0.166	5.14E-17	0.036	0.013	0.005	0.019	70.245	TRUE	8.20E-16
Overall asthma	SH3RF1	cg09178384	rs34879961	G	A	-0.234	0.034	0.139	5.59E-12	-0.002	0.014	0.900	0.013	47.443	TRUE	8.53E-12
Overall asthma	SH3RF1	cg12257055	rs10050030	G	A	-0.385	0.025	0.307	6.62E-54	0.024	0.010	0.018	0.061	238.833	TRUE	8.35E-51
Overall asthma	SH3RF1	cg12257055	rs13151571	A	T	-0.236	0.042	0.083	1.46E-08	0.006	0.016	0.710	0.009	32.085	TRUE	2.23E-08
Overall asthma	SH3RF1	cg12257055	rs57697968	T	C	-0.235	0.035	0.128	2.40E-11	0.022	0.014	0.120	0.012	44.593	TRUE	8.99E-11
Overall asthma	SH3RF1	cg13251507	rs10015672	A	T	-0.235	0.040	0.087	4.70E-09	-0.019	0.017	0.250	0.009	34.292	TRUE	1.11E-08
Overall asthma	SH3RF1	cg13251507	rs1112821	C	A	0.423	0.023	0.494	1.19E-72	0.017	0.010	0.081	0.081	324.813	TRUE	1.08E-68
Overall asthma	SH3RF1	cg13251507	rs2245118	A	T	-0.142	0.025	0.311	2.25E-08	0.026	0.010	0.012	0.008	31.249	TRUE	1.11E-07
Overall asthma	SH3RF1	cg13251507	rs4295223	A	G	-0.243	0.038	0.103	1.48E-10	-0.009	0.016	0.560	0.011	41.034	TRUE	2.81E-10
Overall asthma	SH3RF1	cg13251507	rs62333101	C	T	-0.232	0.040	0.097	4.09E-09	-0.030	0.015	0.048	0.009	34.561	TRUE	1.59E-08
Overall asthma	SH3RF1	cg13383775	rs2069	C	G	-1.364	0.055	0.041	8.70E-135	0.059	0.023	0.011	0.142	610.171	TRUE	2.82E-124
Overall asthma	SH3RF1	cg13383775	rs2706736	T	C	-0.149	0.025	0.348	1.84E-09	-0.003	0.010	0.770	0.010	36.120	TRUE	2.78E-09
Overall asthma	SH3RF1	cg13383775	rs35612447	C	T	0.223	0.027	0.261	6.20E-17	0.013	0.011	0.230	0.019	69.874	TRUE	2.82E-16
Overall asthma	SH3RF1	cg13383775	rs4295223	A	G	-0.258	0.038	0.103	9.51E-12	-0.009	0.016	0.560	0.012	46.401	TRUE	1.94E-11
Overall asthma	SH3RF1	cg14017034	rs4692707	C	T	-0.143	0.023	0.497	9.88E-10	0.017	0.010	0.083	0.010	37.328	TRUE	3.60E-09
Overall asthma	SH3RF1	cg15134174	rs4692709	C	T	-0.175	0.024	0.448	9.01E-14	-0.011	0.010	0.270	0.015	55.542	TRUE	3.08E-13
Overall asthma	SH3RF1	cg18949666	rs13141011	A	G	-0.357	0.033	0.149	5.85E-27	-0.007	0.013	0.590	0.030	115.527	TRUE	3.29E-26
Overall asthma	SH3RF1	cg18949666	rs17710102	C	T	-0.414	0.035	0.126	1.35E-32	-0.002	0.014	0.900	0.037	141.267	TRUE	7.64E-32
Overall asthma	SH3RF1	cg18949666	rs1876398	A	G	-0.238	0.025	0.321	3.47E-21	0.000	0.010	0.990	0.024	89.207	TRUE	7.81E-21
Overall asthma	SH3RF1	cg18949666	rs200262160	T	C	-0.420	0.031	0.166	8.80E-42	0.036	0.013	0.005	0.047	183.293	TRUE	3.22E-39
Overall asthma	SH3RF1	cg18949666	rs6818479	T	C	-0.239	0.042	0.113	1.03E-08	0.017	0.017	0.320	0.009	32.773	TRUE	2.22E-08
Overall asthma	SH3RF1	cg18949666	rs71643119	T	A	-0.313	0.030	0.182	7.14E-25	0.014	0.012	0.240	0.028	106.007	TRUE	6.25E-24
Overall asthma	SH3RF1	cg18949666	rs72691053	A	T	-0.313	0.044	0.085	1.25E-12	0.011	0.018	0.560	0.013	50.379	TRUE	2.75E-12
Overall asthma	SH3RF1	cg18949666	rs72700322	G	A	0.152	0.026	0.279	5.97E-09	-0.007	0.010	0.480	0.009	33.826	TRUE	1.12E-08
Overall asthma	SH3RF1	cg18949666	rs76568960	A	G	0.381	0.051	0.134	5.48E-14	0.028	0.014	0.044	0.015	56.519	TRUE	3.53E-13
Overall asthma	SH3RF1	cg18949666	rs79122457	C	T	-0.369	0.052	0.055	9.60E-13	-0.030	0.021	0.160	0.014	50.898	TRUE	3.70E-12
Overall asthma	SLC16A6	cg24028094	rs12451195	A	C	-0.178	0.026	0.256	1.01E-11	0.029	0.011	0.008	0.012	46.285	TRUE	7.74E-11
Overall asthma	SLC16A6	cg24028094	rs6501321	G	A	-0.196	0.023	0.475	2.68E-17	-0.009	0.010	0.330	0.019	71.525	TRUE	1.07E-16
Overall asthma	SLC26A1	cg09153458	rs10016151	G	A	0.242	0.024	0.412	3.48E-24	0.001	0.010	0.920	0.027	102.868	TRUE	1.02E-23
Overall asthma	SLC26A1	cg09153458	rs115657987	A	G	-0.495	0.088	0.018	1.60E-08	0.043	0.034	0.210	0.009	31.907	TRUE	3.95E-08
Overall asthma	SLC26A1	cg09153458	rs13143527	A	G	0.280	0.024	0.392	2.76E-31	0.000	0.010	0.990	0.035	135.281	TRUE	1.23E-30
Overall asthma	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	-0.040	0.027	0.140	0.017	63.284	TRUE	8.91E-15
Overall asthma	SLC26A1	cg09153458	rs17802266	A	C	-0.223	0.027	0.245	1.46E-16	-0.013	0.011	0.220	0.018	68.183	TRUE	6.45E-16

Overall asthma	SLC26A1	cg09153458	rs188806036	G	C	-0.581	0.027	0.242	1.13E-104	-0.016	0.012	0.170	0.113	471.823	TRUE	1.98E-98
Overall asthma	SLC26A1	cg09153458	rs34406303	C	G	0.272	0.043	0.083	2.34E-10	0.015	0.017	0.380	0.011	40.136	TRUE	5.30E-10
Overall asthma	SLC26A1	cg09153458	rs3733344	G	T	0.378	0.023	0.458	4.41E-61	0.029	0.010	0.003	0.068	271.733	TRUE	4.33E-57
Overall asthma	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	-0.009	0.010	0.380	0.019	72.821	TRUE	5.30E-17
Overall asthma	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	-0.032	0.025	0.190	0.010	36.306	TRUE	4.49E-09
Overall asthma	SLC26A1	cg09153458	rs6599391	G	T	-0.441	0.033	0.153	6.89E-42	-0.022	0.014	0.110	0.047	183.781	TRUE	5.62E-40
Overall asthma	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	0.011	0.012	0.360	0.013	48.143	TRUE	1.02E-11
Overall asthma	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	-0.015	0.010	0.130	0.008	30.232	TRUE	1.03E-07
Overall asthma	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	-0.009	0.010	0.380	0.009	33.142	TRUE	1.75E-08
Overall asthma	SLC26A1	cg24226891	rs4690197	T	G	-0.273	0.029	0.204	9.62E-22	-0.017	0.012	0.140	0.024	91.744	TRUE	8.05E-21
Overall asthma	SLC26A11	cg24838010	rs6565651	C	T	-0.201	0.024	0.363	2.34E-16	-0.016	0.010	0.110	0.018	67.260	TRUE	1.42E-15
Overall asthma	SLC30A2	cg00349061	rs11247870	A	C	0.161	0.024	0.474	8.25E-12	-0.018	0.010	0.056	0.012	46.680	TRUE	3.93E-11
Overall asthma	SLC30A2	cg00349061	rs12094933	C	T	-0.288	0.029	0.211	6.15E-24	0.017	0.012	0.150	0.027	101.741	TRUE	6.30E-23
Overall asthma	SLC30A2	cg00349061	rs55904918	C	T	0.856	0.076	0.025	3.10E-29	-0.049	0.027	0.070	0.033	125.913	TRUE	8.05E-28
Overall asthma	SLC30A2	cg00349061	rs6675604	A	G	0.207	0.030	0.200	2.39E-12	0.017	0.012	0.150	0.013	49.107	TRUE	8.85E-12
Overall asthma	SLC30A2	cg00349061	rs6686190	A	G	0.858	0.037	0.105	3.32E-117	-0.036	0.016	0.021	0.125	529.393	TRUE	6.45E-109
Overall asthma	SLC30A2	cg01689405	rs1317709	G	T	-0.273	0.028	0.211	8.41E-22	0.018	0.011	0.110	0.024	92.011	TRUE	8.63E-21
Overall asthma	SLC30A8	cg05548393	rs75784909	A	T	0.455	0.037	0.130	2.74E-34	0.034	0.015	0.019	0.039	149.011	TRUE	2.08E-32
Overall asthma	SLC39A1	cg16262392	rs6724	C	G	0.213	0.025	0.293	5.20E-17	0.027	0.011	0.010	0.019	70.223	TRUE	6.48E-16
Overall asthma	SLC39A1	cg25064552	rs112231452	A	G	-0.170	0.030	0.200	1.36E-08	-0.006	0.012	0.600	0.009	32.233	TRUE	2.25E-08
Overall asthma	SLC39A1	cg25064552	rs11264743	T	C	-0.574	0.025	0.291	5.78E-116	0.027	0.011	0.009	0.124	523.691	TRUE	1.29E-107
Overall asthma	SLC39A1	cg25064552	rs1685634	G	A	-0.162	0.023	0.474	6.02E-12	0.018	0.010	0.061	0.013	47.297	TRUE	2.90E-11
Overall asthma	SLC39A1	cg25064552	rs3103309	T	C	0.200	0.024	0.374	1.72E-16	-0.001	0.010	0.940	0.018	67.867	TRUE	3.15E-16
Overall asthma	SLC39A1	cg25064552	rs41302547	C	T	-0.378	0.054	0.049	2.71E-12	0.009	0.021	0.650	0.013	48.864	TRUE	5.20E-12
Overall asthma	SLC39A1	cg25064552	rs61805526	G	A	0.350	0.034	0.124	3.14E-25	-0.005	0.014	0.710	0.028	107.633	TRUE	1.28E-24
Overall asthma	SLC39A1	cg25064552	rs6675978	C	T	0.154	0.023	0.438	4.62E-11	0.004	0.010	0.660	0.012	43.310	TRUE	8.27E-11
Overall asthma	SLC39A10	cg16158027	rs10175371	C	G	-1.172	0.064	0.036	3.48E-75	-0.078	0.026	0.003	0.083	336.436	TRUE	3.94E-70
Overall asthma	SLC39A10	cg16158027	rs10194232	G	C	-0.594	0.072	0.027	2.10E-16	-0.063	0.028	0.026	0.018	67.470	TRUE	2.09E-15
Overall asthma	SLC39A10	cg16158027	rs1145938	A	T	0.164	0.027	0.265	6.53E-10	-0.005	0.011	0.630	0.010	38.136	TRUE	1.12E-09
Overall asthma	SLC39A10	cg16158027	rs7599605	C	T	-0.259	0.033	0.151	4.03E-15	-0.006	0.013	0.650	0.016	61.650	TRUE	9.25E-15
Overall asthma	SLC39A11	cg04004363	rs6501598	C	T	-0.177	0.023	0.454	3.56E-14	0.000	0.010	0.960	0.015	57.365	TRUE	5.71E-14
Overall asthma	SLC39A11	cg08853318	rs2236752	A	T	0.152	0.027	0.239	2.93E-08	0.003	0.011	0.810	0.008	30.736	TRUE	4.09E-08
Overall asthma	SLC39A11	cg08853318	rs34953967	C	T	-0.694	0.046	0.180	2.83E-52	-0.001	0.012	0.920	0.059	231.361	TRUE	1.04E-50
Overall asthma	SLC39A11	cg08853318	rs8073902	G	T	0.157	0.025	0.357	2.11E-10	-0.002	0.010	0.820	0.011	40.339	TRUE	3.22E-10
Overall asthma	SLC39A11	cg08853318	rs8079240	C	T	-0.277	0.038	0.217	5.53E-13	0.018	0.012	0.110	0.014	51.980	TRUE	2.29E-12
Overall asthma	SLC39A11	cg08853318	rs903107	C	T	-0.142	0.024	0.451	1.71E-09	-0.004	0.010	0.670	0.010	36.256	TRUE	2.80E-09
Overall asthma	SLC39A11	cg08875869	rs73995789	G	A	-0.857	0.057	0.042	4.57E-51	0.061	0.024	0.010	0.058	225.822	TRUE	4.63E-48
Overall asthma	SLC39A11	cg09464990	rs118073026	T	C	-0.369	0.055	0.043	2.21E-11	0.029	0.022	0.200	0.012	44.748	TRUE	7.09E-11
Overall asthma	SLC39A11	cg11761483	rs903107	C	T	0.223	0.023	0.451	3.12E-22	-0.004	0.010	0.670	0.025	93.970	TRUE	1.09E-21
Overall asthma	SLC39A11	cg14233847	rs9910192	G	A	0.146	0.023	0.424	3.17E-10	0.011	0.010	0.270	0.011	39.544	TRUE	8.28E-10
Overall asthma	SLC39A11	cg14673722	rs7224715	T	C	-0.573	0.023	0.456	2.06E-142	-0.002	0.010	0.840	0.149	645.211	TRUE	2.07E-133
Overall asthma	SLC39A11	cg15391883	rs56376687	G	A	0.408	0.020	0.497	3.39E-89	0.006	0.010	0.530	0.098	400.750	TRUE	7.43E-85

Overall asthma	SLC39A11	cg16434331	rs113446849	T	G	-1.623	0.060	0.036	5.61E-162	0.021	0.025	0.390	0.166	735.137	TRUE	5.63E-150
Overall asthma	SLC39A11	cg16434331	rs12942980	G	A	-0.168	0.026	0.286	1.12E-10	0.021	0.011	0.055	0.011	41.577	TRUE	4.86E-10
Overall asthma	SLC39A11	cg16434331	rs2567501	C	A	-0.358	0.026	0.275	8.14E-43	0.012	0.011	0.270	0.048	188.028	TRUE	4.00E-41
Overall asthma	SLC39A11	cg16434331	rs4793479	G	A	-0.239	0.025	0.373	5.74E-22	-0.001	0.010	0.910	0.024	92.766	TRUE	1.48E-21
Overall asthma	SLC39A11	cg16434331	rs57262674	A	T	-0.187	0.024	0.412	4.03E-15	0.007	0.010	0.460	0.016	61.651	TRUE	1.14E-14
Overall asthma	SLC39A11	cg16434331	rs7223064	C	T	-0.191	0.030	0.195	1.14E-10	0.003	0.012	0.840	0.011	41.538	TRUE	1.74E-10
Overall asthma	SLC39A11	cg16434331	rs8066857	T	C	-0.262	0.029	0.189	5.31E-19	0.010	0.012	0.420	0.021	79.265	TRUE	2.08E-18
Overall asthma	SLC39A11	cg22263591	rs35544910	A	G	0.365	0.052	0.141	2.69E-12	0.001	0.012	0.920	0.013	48.878	TRUE	4.13E-12
Overall asthma	SLC39A11	cg22263591	rs9709426	G	A	-0.268	0.044	0.155	1.09E-09	-0.016	0.014	0.240	0.010	37.140	TRUE	2.74E-09
Overall asthma	SLC39A11	cg24940950	rs2567469	T	C	-0.308	0.024	0.373	4.56E-38	0.002	0.010	0.830	0.043	166.297	TRUE	4.60E-37
Overall asthma	SLC39A11	cg24940950	rs4793307	C	T	-0.164	0.027	0.250	6.73E-10	0.007	0.011	0.540	0.010	38.076	TRUE	1.25E-09
Overall asthma	SLC39A11	cg25901000	rs2466527	C	T	0.139	0.024	0.396	3.87E-09	-0.015	0.010	0.140	0.009	34.671	TRUE	1.14E-08
Overall asthma	SLC39A11	cg26124719	rs111774634	C	G	-0.283	0.048	0.057	3.12E-09	0.011	0.019	0.570	0.009	35.088	TRUE	5.51E-09
Overall asthma	SLC39A11	cg27025137	rs2714036	A	C	-0.289	0.040	0.102	5.57E-13	-0.001	0.016	0.970	0.014	51.964	TRUE	8.38E-13
Overall asthma	SLC39A11	cg27025137	rs903107	C	T	0.141	0.023	0.451	1.94E-09	-0.004	0.010	0.670	0.010	36.012	TRUE	3.16E-09
Overall asthma	SLC39A11	cg27248029	rs4969057	T	C	-0.303	0.026	0.281	1.87E-31	-0.008	0.011	0.490	0.035	136.059	TRUE	1.79E-30
Overall asthma	SLC39A11	cg27248029	rs6501598	C	T	-0.395	0.023	0.454	1.49E-65	0.000	0.010	0.960	0.073	292.243	TRUE	2.71E-63
Overall asthma	SLC39A11	cg27399387	rs35141073	C	A	-0.153	0.024	0.380	3.89E-10	0.001	0.010	0.930	0.010	39.145	TRUE	5.39E-10
Overall asthma	SLC39A11	cg27399387	rs55974215	A	C	-0.908	0.018	0.451	<1E-200	-0.001	0.010	0.880	0.408	2545.629	TRUE	<1E-200
Overall asthma	SLC39A11	cg27399387	rs58936824	G	C	0.444	0.054	0.052	2.13E-16	0.011	0.023	0.630	0.018	67.439	TRUE	5.35E-16
Overall asthma	SLC39A11	cg27399387	rs62074575	C	G	0.419	0.053	0.144	1.57E-15	0.005	0.014	0.720	0.017	63.502	TRUE	3.42E-15
Overall asthma	SLC39A11	cg27399387	rs71380163	A	G	0.232	0.029	0.227	4.54E-16	0.007	0.012	0.540	0.018	65.950	TRUE	1.23E-15
Overall asthma	SLC39A11	cg27399387	rs8068237	C	A	-0.225	0.038	0.226	2.76E-09	0.019	0.011	0.088	0.009	35.324	TRUE	9.40E-09
Overall asthma	SLC39A11	cg27399387	rs9674849	A	G	0.462	0.072	0.056	1.19E-10	-0.023	0.021	0.250	0.011	41.459	TRUE	3.13E-10
Overall asthma	SLC40A1	cg01158447	rs13015236	C	T	-0.252	0.024	0.385	2.15E-26	0.015	0.010	0.140	0.030	112.943	TRUE	3.07E-25
Overall asthma	SLC40A1	cg10752008	rs1123109	C	T	0.778	0.027	0.226	6.33E-181	0.020	0.011	0.083	0.182	822.233	TRUE	2.57E-165
Overall asthma	SLC40A1	cg10752008	rs114838626	C	G	0.563	0.072	0.020	3.88E-15	0.013	0.029	0.670	0.016	61.726	TRUE	8.82E-15
Overall asthma	SLC40A1	cg10752008	rs11683621	T	C	-0.209	0.034	0.147	5.32E-10	0.004	0.014	0.740	0.010	38.534	TRUE	8.37E-10
Overall asthma	SLC40A1	cg10752008	rs11896326	C	T	-0.258	0.034	0.150	2.38E-14	-0.004	0.014	0.750	0.015	58.161	TRUE	4.65E-14
Overall asthma	SLC40A1	cg10752008	rs13006842	G	T	0.330	0.060	0.080	3.54E-08	0.045	0.017	0.009	0.008	30.368	TRUE	1.75E-07
Overall asthma	SLC40A1	cg10752008	rs35475196	A	C	0.160	0.025	0.320	1.98E-10	0.005	0.010	0.600	0.011	40.467	TRUE	3.65E-10
Overall asthma	SLC40A1	cg10752008	rs6434353	C	A	0.402	0.048	0.065	4.74E-17	0.011	0.020	0.590	0.019	70.403	TRUE	1.31E-16
Overall asthma	SLC40A1	cg10752008	rs75949659	A	C	0.431	0.044	0.088	7.01E-23	0.038	0.017	0.027	0.026	96.925	TRUE	1.39E-21
Overall asthma	SLC40A1	cg11692477	rs1123110	G	A	0.223	0.024	0.382	2.82E-20	0.016	0.010	0.110	0.022	85.068	TRUE	2.46E-19
Overall asthma	SLC40A1	cg14499385	rs10497704	A	G	-0.262	0.048	0.066	3.73E-08	0.000	0.019	0.990	0.008	30.269	TRUE	4.57E-08
Overall asthma	SLC40A1	cg14499385	rs12622938	A	C	0.334	0.060	0.042	2.48E-08	0.012	0.024	0.610	0.008	31.060	TRUE	3.99E-08
Overall asthma	SLC40A1	cg14499385	rs3811621	C	G	0.520	0.026	0.279	1.54E-90	0.019	0.011	0.081	0.099	406.923	TRUE	3.29E-85
Overall asthma	SLC40A1	cg14499385	rs72908658	A	G	0.389	0.070	0.025	2.91E-08	0.010	0.028	0.710	0.008	30.747	TRUE	4.32E-08
Overall asthma	SLC40A1	cg14499385	rs75818079	C	G	-0.435	0.076	0.027	1.27E-08	0.027	0.031	0.390	0.009	32.354	TRUE	2.55E-08
Overall asthma	SLC40A1	cg14499385	rs9789465	T	C	0.136	0.024	0.465	1.00E-08	-0.001	0.010	0.960	0.009	32.818	TRUE	1.28E-08
Overall asthma	SLC40A1	cg15599483	rs12693542	G	A	0.217	0.027	0.264	1.22E-15	0.023	0.011	0.037	0.017	64.010	TRUE	9.90E-15
Overall asthma	SLC40A1	cg15599483	rs141418891	G	A	0.380	0.058	0.047	5.09E-11	0.021	0.025	0.390	0.012	43.120	TRUE	1.17E-10

Overall asthma	SLC40A1	cg19075346	rs1123109	C	T	-0.463	0.028	0.226	2.72E-61	0.020	0.011	0.083	0.069	272.701	TRUE	4.36E-58
Overall asthma	SNCA	cg01035160	rs6812192	A	G	-0.147	0.023	0.495	2.10E-10	-0.009	0.010	0.350	0.011	40.349	TRUE	4.96E-10
Overall asthma	SNCA	cg01966878	rs10516864	G	A	-0.277	0.024	0.444	1.60E-31	-0.011	0.010	0.230	0.036	136.361	TRUE	2.56E-30
Overall asthma	SNCA	cg01966878	rs13125108	G	T	-0.194	0.023	0.478	8.83E-17	0.011	0.010	0.240	0.018	69.178	TRUE	3.81E-16
Overall asthma	SNCA	cg01966878	rs142993106	A	G	0.757	0.098	0.012	1.28E-14	0.023	0.041	0.580	0.016	59.384	TRUE	3.06E-14
Overall asthma	SNCA	cg01966878	rs149899944	T	G	0.595	0.068	0.031	1.83E-18	0.011	0.029	0.700	0.020	76.825	TRUE	4.82E-18
Overall asthma	SNCA	cg01966878	rs17016330	T	C	0.607	0.070	0.029	7.30E-18	-0.012	0.026	0.640	0.020	74.095	TRUE	1.98E-17
Overall asthma	SNCA	cg01966878	rs17795442	C	T	0.457	0.067	0.028	9.50E-12	-0.036	0.027	0.180	0.012	46.405	TRUE	3.17E-11
Overall asthma	SNCA	cg01966878	rs1837890	A	C	0.513	0.026	0.256	1.23E-88	0.005	0.011	0.630	0.097	398.182	TRUE	1.78E-84
Overall asthma	SNCA	cg01966878	rs1841625	G	A	-0.242	0.024	0.433	2.47E-24	0.003	0.010	0.750	0.027	103.551	TRUE	9.10E-24
Overall asthma	SNCA	cg01966878	rs34305125	A	G	0.712	0.080	0.025	3.59E-19	-0.025	0.031	0.430	0.021	80.039	TRUE	1.42E-18
Overall asthma	SNCA	cg01966878	rs3756059	G	A	0.797	0.020	0.484	<1E-200	-0.011	0.010	0.250	0.295	1547.224	TRUE	3.07E-295
Overall asthma	SNCA	cg01966878	rs3775465	C	A	-0.409	0.046	0.077	2.75E-19	0.005	0.018	0.780	0.021	80.565	TRUE	7.03E-19
Overall asthma	SNCA	cg01966878	rs62306279	C	T	-0.326	0.054	0.050	1.05E-09	-0.006	0.021	0.780	0.010	37.209	TRUE	1.59E-09
Overall asthma	SNCA	cg01966878	rs62312689	A	G	-0.288	0.045	0.072	1.91E-10	-0.029	0.019	0.130	0.011	40.530	TRUE	6.45E-10
Overall asthma	SNCA	cg01966878	rs6532182	T	A	-0.192	0.033	0.140	8.69E-09	-0.010	0.013	0.450	0.009	33.097	TRUE	1.66E-08
Overall asthma	SNCA	cg01966878	rs72881699	G	A	0.269	0.038	0.108	1.18E-12	-0.005	0.015	0.750	0.013	50.495	TRUE	2.13E-12
Overall asthma	SNCA	cg02192967	rs6532198	C	T	-0.179	0.023	0.480	9.69E-15	-0.009	0.010	0.360	0.016	59.925	TRUE	3.06E-14
Overall asthma	SNCA	cg06632027	rs11728457	G	A	0.167	0.028	0.250	1.48E-09	0.005	0.011	0.620	0.010	36.544	TRUE	2.52E-09
Overall asthma	SNCA	cg06632027	rs1372520	T	C	0.629	0.028	0.209	4.24E-113	0.007	0.011	0.540	0.121	510.531	TRUE	1.09E-106
Overall asthma	SNCA	cg06632027	rs142993106	A	G	0.548	0.098	0.012	2.52E-08	0.023	0.041	0.580	0.008	31.031	TRUE	4.18E-08
Overall asthma	SNCA	cg06632027	rs17016330	T	C	0.557	0.071	0.029	2.75E-15	-0.012	0.026	0.640	0.017	62.406	TRUE	6.36E-15
Overall asthma	SNCA	cg06632027	rs17810668	G	A	-0.418	0.066	0.066	2.73E-10	0.026	0.021	0.220	0.011	39.836	TRUE	7.63E-10
Overall asthma	SNCA	cg06632027	rs189994040	T	A	0.586	0.107	0.012	4.67E-08	0.007	0.039	0.860	0.008	29.833	TRUE	6.25E-08
Overall asthma	SNCA	cg06632027	rs356194	A	G	-0.446	0.025	0.293	6.59E-70	-0.024	0.011	0.025	0.078	312.220	TRUE	7.49E-66
Overall asthma	SNCA	cg06632027	rs71609574	A	G	0.671	0.084	0.021	1.26E-15	-0.045	0.033	0.180	0.017	63.934	TRUE	5.94E-15
Overall asthma	SNCA	cg08767460	rs10516863	T	C	-0.219	0.032	0.166	5.74E-12	0.002	0.013	0.910	0.013	47.391	TRUE	8.72E-12
Overall asthma	SNCA	cg08767460	rs111450301	T	G	0.689	0.068	0.028	2.21E-24	-0.001	0.029	0.970	0.027	103.768	TRUE	6.24E-24
Overall asthma	SNCA	cg08767460	rs13125108	G	T	-0.203	0.023	0.478	2.71E-18	0.011	0.010	0.240	0.020	76.050	TRUE	1.32E-17
Overall asthma	SNCA	cg08767460	rs143823825	A	G	0.594	0.095	0.014	3.70E-10	-0.066	0.037	0.075	0.010	39.246	TRUE	1.41E-09
Overall asthma	SNCA	cg08767460	rs17174961	A	G	0.196	0.025	0.347	2.78E-15	-0.017	0.010	0.084	0.017	62.381	TRUE	1.63E-14
Overall asthma	SNCA	cg08767460	rs2120374	A	G	0.373	0.024	0.393	5.45E-56	0.003	0.010	0.760	0.063	248.387	TRUE	4.28E-54
Overall asthma	SNCA	cg08767460	rs2583990	A	G	-0.368	0.028	0.221	7.64E-40	0.012	0.011	0.290	0.045	174.421	TRUE	2.70E-38
Overall asthma	SNCA	cg08767460	rs3055038	C	T	0.798	0.088	0.020	8.21E-20	0.027	0.033	0.410	0.022	82.955	TRUE	3.45E-19
Overall asthma	SNCA	cg08767460	rs35175911	C	T	0.169	0.030	0.186	1.91E-08	0.012	0.013	0.350	0.008	31.570	TRUE	3.88E-08
Overall asthma	SNCA	cg08767460	rs356199	G	A	1.040	0.019	0.291	<1E-200	-0.023	0.011	0.029	0.440	2902.091	TRUE	<1E-200
Overall asthma	SNCA	cg08767460	rs3775434	G	A	-0.339	0.036	0.125	3.18E-21	-0.014	0.015	0.330	0.024	89.378	TRUE	1.65E-20
Overall asthma	SNCA	cg08767460	rs4694012	A	G	-0.191	0.029	0.200	6.22E-11	-0.008	0.012	0.530	0.011	42.727	TRUE	1.25E-10
Overall asthma	SNCA	cg08767460	rs56068881	T	C	0.852	0.119	0.011	6.59E-13	-0.052	0.046	0.260	0.014	51.635	TRUE	2.10E-12
Overall asthma	SNCA	cg08767460	rs62306323	T	C	-0.386	0.050	0.109	1.07E-14	-0.007	0.015	0.660	0.016	59.722	TRUE	2.35E-14
Overall asthma	SNCA	cg08767460	rs6840386	T	C	-0.425	0.071	0.026	2.32E-09	-0.030	0.030	0.310	0.010	35.662	TRUE	5.26E-09
Overall asthma	SNCA	cg08767460	rs72659431	A	G	0.880	0.069	0.033	8.37E-37	-0.012	0.027	0.660	0.042	160.512	TRUE	9.87E-36

Overall asthma	SNCA	cg08767460	rs72659464	G	T	0.759	0.082	0.040	2.87E-20	0.036	0.026	0.160	0.022	85.030	TRUE	2.05E-19
Overall asthma	SNCA	cg08767460	rs74360999	C	A	-0.211	0.025	0.328	1.28E-17	0.007	0.010	0.470	0.019	72.986	TRUE	4.22E-17
Overall asthma	SNCA	cg08767460	rs75878722	G	A	-0.256	0.045	0.075	1.64E-08	-0.011	0.018	0.530	0.009	31.867	TRUE	2.82E-08
Overall asthma	SNCA	cg08767460	rs76735357	A	G	-0.322	0.052	0.113	5.03E-10	-0.019	0.015	0.190	0.010	38.644	TRUE	1.40E-09
Overall asthma	SNCA	cg08767460	rs78387881	A	G	0.487	0.083	0.022	3.94E-09	0.004	0.030	0.890	0.009	34.634	TRUE	5.37E-09
Overall asthma	SNCA	cg08767460	rs79517939	A	G	0.713	0.063	0.083	4.31E-30	-0.051	0.018	0.004	0.034	129.828	TRUE	3.63E-28
Overall asthma	SNCA	cg11512365	rs6841352	T	G	0.133	0.023	0.461	1.11E-08	0.012	0.010	0.200	0.009	32.623	TRUE	2.76E-08
Overall asthma	SNCA	cg11661187	rs2737026	A	G	-0.215	0.028	0.226	5.25E-15	0.011	0.011	0.350	0.016	61.131	TRUE	1.79E-14
Overall asthma	SNCA	cg14346243	rs1372519	A	G	0.707	0.028	0.209	1.60E-144	0.007	0.011	0.550	0.150	654.912	TRUE	7.64E-135
Overall asthma	SNCA	cg14346243	rs149899944	T	G	0.431	0.068	0.031	2.36E-10	0.011	0.029	0.700	0.011	40.121	TRUE	3.93E-10
Overall asthma	SNCA	cg14346243	rs17016330	T	C	0.540	0.070	0.029	1.72E-14	-0.012	0.026	0.640	0.016	58.803	TRUE	3.79E-14
Overall asthma	SNCA	cg14346243	rs2119787	G	A	-0.261	0.024	0.397	4.60E-28	0.018	0.010	0.069	0.032	120.565	TRUE	1.10E-26
Overall asthma	SNCA	cg14346243	rs34266626	C	G	0.200	0.024	0.385	9.18E-17	0.005	0.010	0.600	0.018	69.100	TRUE	2.46E-16
Overall asthma	SNCA	cg14346243	rs34305125	A	G	0.687	0.079	0.025	5.62E-18	-0.025	0.031	0.430	0.020	74.609	TRUE	2.04E-17
Overall asthma	SNCA	cg14346243	rs58105555	G	A	-0.142	0.025	0.305	2.17E-08	0.006	0.010	0.570	0.008	31.320	TRUE	3.67E-08
Overall asthma	SNCA	cg15133208	rs10018362	C	T	-0.224	0.037	0.114	2.08E-09	-0.009	0.015	0.580	0.010	35.874	TRUE	3.70E-09
Overall asthma	SNCA	cg15133208	rs11097238	T	C	-0.403	0.024	0.393	8.66E-66	0.018	0.010	0.070	0.073	293.324	TRUE	2.96E-62
Overall asthma	SNCA	cg15133208	rs1372519	A	G	0.941	0.025	0.209	<1E-200	0.007	0.011	0.550	0.278	1426.103	TRUE	2.55E-275
Overall asthma	SNCA	cg15133208	rs1381352	T	G	-0.185	0.024	0.432	8.69E-15	0.003	0.010	0.760	0.016	60.139	TRUE	1.74E-14
Overall asthma	SNCA	cg15133208	rs142993106	A	G	0.741	0.098	0.012	4.46E-14	0.023	0.041	0.580	0.015	56.922	TRUE	1.03E-13
Overall asthma	SNCA	cg15133208	rs147876949	C	T	0.722	0.106	0.012	1.00E-11	0.008	0.039	0.830	0.012	46.304	TRUE	1.60E-11
Overall asthma	SNCA	cg15133208	rs149899944	T	G	0.664	0.068	0.031	1.07E-22	0.011	0.029	0.700	0.025	96.097	TRUE	3.71E-22
Overall asthma	SNCA	cg15133208	rs17016330	T	C	0.676	0.070	0.029	7.24E-22	-0.012	0.026	0.640	0.024	92.306	TRUE	2.57E-21
Overall asthma	SNCA	cg15133208	rs28870145	G	A	0.352	0.058	0.041	1.19E-09	-0.054	0.025	0.029	0.010	36.971	TRUE	5.36E-09
Overall asthma	SNCA	cg15133208	rs34305125	A	G	0.790	0.079	0.025	2.65E-23	-0.025	0.031	0.430	0.026	98.849	TRUE	1.44E-22
Overall asthma	SNCA	cg15133208	rs62312689	A	G	-0.250	0.045	0.072	3.40E-08	-0.029	0.019	0.130	0.008	30.451	TRUE	9.35E-08
Overall asthma	SNCA	cg15133208	rs6856813	C	T	0.305	0.024	0.363	1.07E-36	0.006	0.010	0.530	0.041	160.034	TRUE	1.56E-35
Overall asthma	SNCA	cg15133208	rs74786971	C	G	-0.295	0.046	0.077	1.45E-10	-0.011	0.018	0.550	0.011	41.072	TRUE	2.82E-10
Overall asthma	SNCA	cg15133208	rs7688033	T	G	0.219	0.038	0.108	6.95E-09	-0.004	0.015	0.810	0.009	33.532	TRUE	9.97E-09
Overall asthma	SNCA	cg18258770	rs2619371	G	A	0.141	0.026	0.282	4.41E-08	-0.021	0.011	0.053	0.008	29.942	TRUE	1.47E-07
Overall asthma	SNCA	cg20003494	rs11097238	T	C	-0.362	0.024	0.393	3.88E-53	0.018	0.010	0.070	0.060	235.313	TRUE	2.01E-50
Overall asthma	SNCA	cg20003494	rs17016330	T	C	0.563	0.070	0.029	1.31E-15	-0.012	0.026	0.640	0.017	63.869	TRUE	3.08E-15
Overall asthma	SNCA	cg20003494	rs1841625	G	A	-0.173	0.024	0.433	3.46E-13	0.003	0.010	0.750	0.014	52.900	TRUE	6.42E-13
Overall asthma	SNCA	cg20003494	rs34027685	G	A	0.237	0.038	0.108	3.43E-10	-0.003	0.015	0.830	0.011	39.389	TRUE	5.13E-10
Overall asthma	SNCA	cg20003494	rs34305125	A	G	0.677	0.079	0.025	1.64E-17	-0.025	0.031	0.430	0.019	72.496	TRUE	5.76E-17
Overall asthma	SNCA	cg20003494	rs3775434	G	A	-0.307	0.036	0.125	1.11E-17	-0.014	0.015	0.330	0.019	73.274	TRUE	4.36E-17
Overall asthma	SNCA	cg20003494	rs6856813	C	T	0.311	0.024	0.363	3.93E-38	0.006	0.010	0.530	0.043	166.590	TRUE	6.64E-37
Overall asthma	SNCA	cg20003494	rs74786971	C	G	-0.270	0.046	0.077	4.07E-09	-0.011	0.018	0.550	0.009	34.571	TRUE	7.27E-09
Overall asthma	SNCA	cg20003494	rs983361	T	G	0.628	0.028	0.212	1.68E-113	0.011	0.011	0.330	0.122	512.379	TRUE	9.96E-107
Overall asthma	SNCA	cg26578617	rs1372520	T	C	0.528	0.028	0.209	1.19E-77	0.007	0.011	0.540	0.086	347.761	TRUE	3.59E-74
Overall asthma	SNCA	cg26578617	rs139301125	T	C	0.448	0.074	0.026	1.38E-09	-0.007	0.027	0.780	0.010	36.680	TRUE	2.07E-09
Overall asthma	SNCA	cg26578617	rs2119787	G	A	-0.234	0.024	0.397	8.92E-23	0.018	0.010	0.069	0.025	96.449	TRUE	1.23E-21

Overall asthma	SNCA	cg26578617	rs59345481	G	T	-0.291	0.042	0.095	5.04E-12	-0.001	0.017	0.970	0.013	47.647	TRUE	7.28E-12
Overall asthma	SNCA	cg26578617	rs6856813	C	T	0.196	0.024	0.363	6.69E-16	0.006	0.010	0.530	0.017	65.186	TRUE	1.84E-15
Overall asthma	SNCA	cg26578617	rs71609574	A	G	0.543	0.084	0.021	1.00E-10	-0.045	0.033	0.180	0.011	41.793	TRUE	3.13E-10
Overall asthma	SNX16	cg02079420	rs10113055	C	T	-0.310	0.052	0.059	2.27E-09	-0.007	0.019	0.730	0.010	35.705	TRUE	3.53E-09
Overall asthma	SNX16	cg02079420	rs10113213	T	C	0.182	0.026	0.450	1.22E-12	0.021	0.010	0.032	0.013	50.434	TRUE	7.62E-12
Overall asthma	SNX16	cg02079420	rs11782652	G	A	-0.386	0.047	0.072	3.80E-16	0.009	0.019	0.630	0.018	66.302	TRUE	9.35E-16
Overall asthma	SNX16	cg02079420	rs12676336	T	C	-0.602	0.026	0.320	4.81E-119	-0.022	0.010	0.031	0.127	537.843	TRUE	1.30E-110
Overall asthma	SNX16	cg02079420	rs17783207	G	A	0.523	0.041	0.108	1.44E-37	0.010	0.015	0.500	0.042	164.013	TRUE	2.38E-36
Overall asthma	SNX16	cg02079420	rs2268431	T	C	0.270	0.037	0.140	5.36E-13	0.008	0.014	0.570	0.014	52.040	TRUE	1.16E-12
Overall asthma	SNX16	cg02079420	rs5028968	C	T	-0.298	0.045	0.084	3.63E-11	-0.049	0.018	0.005	0.012	43.778	TRUE	2.75E-10
Overall asthma	SNX16	cg02079420	rs73695484	G	T	0.423	0.035	0.159	1.27E-33	0.021	0.013	0.110	0.038	145.960	TRUE	4.26E-32
Overall asthma	SNX16	cg02079420	rs74612468	A	T	-0.379	0.060	0.042	2.67E-10	-0.002	0.024	0.930	0.011	39.882	TRUE	3.72E-10
Overall asthma	SNX16	cg05012709	rs2029416	G	A	-0.360	0.032	0.195	1.42E-29	0.013	0.012	0.280	0.033	127.465	TRUE	1.76E-28
Overall asthma	SNX16	cg05012709	rs34440254	G	C	0.178	0.031	0.219	7.38E-09	-0.004	0.011	0.700	0.009	33.414	TRUE	1.15E-08
Overall asthma	SNX16	cg06027949	rs10103624	A	C	0.470	0.035	0.145	3.53E-41	-0.007	0.014	0.590	0.047	180.534	TRUE	7.01E-40
Overall asthma	SNX16	cg06027949	rs10113055	C	T	0.359	0.052	0.059	4.17E-12	-0.007	0.019	0.730	0.013	48.015	TRUE	7.43E-12
Overall asthma	SNX16	cg06027949	rs10113431	G	A	0.173	0.030	0.224	6.93E-09	0.010	0.011	0.390	0.009	33.535	TRUE	1.44E-08
Overall asthma	SNX16	cg06027949	rs10504743	A	G	0.476	0.049	0.067	3.13E-22	-0.034	0.018	0.057	0.025	93.966	TRUE	4.21E-21
Overall asthma	SNX16	cg06027949	rs10958050	G	A	-0.383	0.054	0.065	8.45E-13	0.013	0.018	0.470	0.014	51.148	TRUE	2.02E-12
Overall asthma	SNX16	cg06027949	rs114323125	C	T	-0.478	0.051	0.061	1.41E-20	0.009	0.020	0.680	0.023	86.429	TRUE	4.44E-20
Overall asthma	SNX16	cg06027949	rs13254930	A	T	-0.519	0.079	0.024	5.20E-11	-0.002	0.031	0.950	0.012	43.076	TRUE	7.32E-11
Overall asthma	SNX16	cg06027949	rs16909559	G	T	0.341	0.040	0.110	1.37E-17	0.006	0.015	0.680	0.019	72.856	TRUE	3.47E-17
Overall asthma	SNX16	cg06027949	rs3889832	G	A	0.279	0.025	0.458	1.24E-28	-0.007	0.010	0.470	0.032	123.174	TRUE	9.65E-28
Overall asthma	SNX16	cg06027949	rs60920484	T	A	0.351	0.041	0.107	8.20E-18	0.013	0.015	0.400	0.020	73.865	TRUE	3.09E-17
Overall asthma	SNX16	cg06027949	rs7824502	G	A	0.160	0.028	0.297	6.40E-09	-0.012	0.010	0.240	0.009	33.691	TRUE	1.57E-08
Overall asthma	SNX16	cg06027949	rs902110	G	A	-0.811	0.021	0.414	<1E-200	0.003	0.010	0.750	0.294	1537.672	TRUE	7.04E-295
Overall asthma	SNX16	cg07697082	rs10958045	T	C	-0.488	0.026	0.320	1.45E-76	-0.022	0.010	0.032	0.085	342.768	TRUE	5.40E-72
Overall asthma	SNX16	cg07697082	rs11782652	G	A	-0.332	0.047	0.072	2.66E-12	0.009	0.019	0.630	0.013	48.900	TRUE	5.22E-12
Overall asthma	SNX16	cg07697082	rs4255093	A	C	0.236	0.035	0.162	9.74E-12	0.021	0.013	0.110	0.012	46.356	TRUE	3.89E-11
Overall asthma	SNX16	cg07697082	rs62514325	T	C	0.342	0.041	0.108	7.43E-17	0.010	0.015	0.520	0.018	69.517	TRUE	2.21E-16
Overall asthma	SNX16	cg07697082	rs74612468	A	T	-0.337	0.060	0.042	1.95E-08	-0.002	0.024	0.930	0.008	31.526	TRUE	2.52E-08
Overall asthma	SNX16	cg08098923	rs62512879	A	G	0.157	0.026	0.412	1.23E-09	0.003	0.010	0.780	0.010	36.896	TRUE	1.87E-09
Overall asthma	SNX16	cg13731609	rs369609965	C	A	0.338	0.029	0.263	5.04E-32	0.021	0.011	0.052	0.036	138.657	TRUE	1.97E-30
Overall asthma	SNX16	cg13731609	rs9693128	A	G	-0.239	0.026	0.391	1.96E-20	-0.013	0.010	0.200	0.023	85.782	TRUE	1.35E-19
Overall asthma	SNX16	cg17211192	rs10113055	C	T	0.563	0.051	0.059	7.98E-28	-0.007	0.019	0.730	0.031	119.475	TRUE	3.89E-27
Overall asthma	SNX16	cg17211192	rs10958046	A	G	0.843	0.027	0.247	1.48E-221	-0.011	0.011	0.320	0.214	1009.045	TRUE	8.13E-201
Overall asthma	SNX16	cg17211192	rs114323125	C	T	-0.458	0.051	0.061	4.95E-19	0.009	0.020	0.680	0.021	79.407	TRUE	1.40E-18
Overall asthma	SNX16	cg17211192	rs118057578	T	C	0.399	0.070	0.030	1.00E-08	0.018	0.027	0.500	0.009	32.816	TRUE	1.81E-08
Overall asthma	SNX16	cg17211192	rs13254930	A	T	-0.466	0.079	0.024	3.83E-09	-0.002	0.031	0.950	0.009	34.688	TRUE	5.01E-09
Overall asthma	SNX16	cg17211192	rs139146811	A	C	0.578	0.093	0.014	5.85E-10	-0.028	0.037	0.460	0.010	38.352	TRUE	1.20E-09
Overall asthma	SNX16	cg17211192	rs2044937	A	T	0.377	0.026	0.341	1.32E-46	0.007	0.010	0.490	0.053	205.385	TRUE	6.04E-45
Overall asthma	SNX16	cg17211192	rs204782	T	C	0.962	0.095	0.015	6.49E-24	-0.021	0.037	0.560	0.027	101.635	TRUE	2.95E-23

Overall asthma	SNX16	cg17211192	rs28431875	A	G	0.688	0.063	0.036	9.75E-28	-0.007	0.025	0.770	0.031	119.077	TRUE	4.47E-27
Overall asthma	SNX16	cg17211192	rs3202419	T	C	0.237	0.027	0.314	6.95E-18	0.012	0.010	0.250	0.020	74.190	TRUE	3.46E-17
Overall asthma	SNX16	cg17211192	rs34440254	G	C	-0.496	0.030	0.219	4.05E-61	-0.004	0.011	0.700	0.068	271.906	TRUE	7.08E-59
Overall asthma	SNX16	cg17211192	rs5028968	C	T	0.438	0.045	0.084	1.38E-22	-0.049	0.018	0.005	0.025	95.592	TRUE	4.11E-21
Overall asthma	SNX16	cg17211192	rs59872751	A	C	-0.321	0.030	0.222	9.45E-27	-0.008	0.012	0.510	0.030	114.575	TRUE	5.77E-26
Overall asthma	SNX16	cg17211192	rs62514262	A	G	-0.538	0.083	0.046	9.77E-11	0.025	0.024	0.300	0.011	41.844	TRUE	2.50E-10
Overall asthma	SNX16	cg17211192	rs7004393	T	G	0.338	0.026	0.340	1.95E-37	-0.005	0.010	0.600	0.042	163.411	TRUE	2.73E-36
Overall asthma	SNX16	cg17211192	rs77290168	G	A	0.638	0.069	0.035	2.00E-20	-0.010	0.024	0.670	0.023	85.746	TRUE	6.17E-20
Overall asthma	SNX16	cg17211192	rs7828550	C	T	0.229	0.025	0.457	1.39E-20	0.017	0.010	0.073	0.023	86.461	TRUE	1.43E-19
Overall asthma	SNX16	cg17211192	rs78399365	A	C	0.757	0.096	0.015	2.64E-15	-0.060	0.038	0.110	0.017	62.486	TRUE	1.42E-14
Overall asthma	SNX16	cg23324259	rs2044937	A	T	0.179	0.027	0.341	2.09E-11	0.007	0.010	0.490	0.012	44.860	TRUE	4.55E-11
Overall asthma	SNX16	cg23324259	rs28431875	A	G	0.387	0.063	0.036	1.10E-09	-0.007	0.025	0.770	0.010	37.116	TRUE	1.68E-09
Overall asthma	SNX16	cg23324259	rs34440254	G	C	-0.218	0.031	0.219	1.08E-12	-0.004	0.011	0.700	0.014	50.665	TRUE	2.06E-12
Overall asthma	SNX16	cg23324259	rs72686466	T	G	0.410	0.028	0.248	5.83E-48	-0.011	0.011	0.330	0.054	211.593	TRUE	4.63E-46
Overall asthma	SNX16	cg23324259	rs7833933	T	C	0.247	0.038	0.123	1.28E-10	-0.011	0.015	0.460	0.011	41.323	TRUE	2.68E-10
Overall asthma	SNX16	cg27398817	rs10113431	G	A	0.174	0.030	0.224	5.51E-09	0.010	0.011	0.390	0.009	33.982	TRUE	1.15E-08
Overall asthma	SNX16	cg27398817	rs10504743	A	G	0.633	0.049	0.067	1.99E-38	-0.034	0.018	0.057	0.043	167.941	TRUE	1.59E-36
Overall asthma	SNX16	cg27398817	rs10958034	C	T	0.764	0.115	0.026	3.15E-11	0.005	0.032	0.880	0.012	44.057	TRUE	4.76E-11
Overall asthma	SNX16	cg27398817	rs10958050	G	A	-0.398	0.054	0.065	1.18E-13	0.013	0.018	0.470	0.015	55.006	TRUE	3.00E-13
Overall asthma	SNX16	cg27398817	rs111427969	C	T	0.700	0.033	0.155	7.58E-102	-0.006	0.013	0.680	0.110	458.843	TRUE	1.20E-96
Overall asthma	SNX16	cg27398817	rs12547759	A	G	0.392	0.042	0.100	1.16E-20	-0.001	0.016	0.970	0.023	86.823	TRUE	2.59E-20
Overall asthma	SNX16	cg27398817	rs13254930	A	T	-0.657	0.079	0.024	8.95E-17	-0.002	0.031	0.950	0.018	69.152	TRUE	1.65E-16
Overall asthma	SNX16	cg27398817	rs138774421	A	G	-0.369	0.058	0.050	1.49E-10	-0.015	0.020	0.450	0.011	41.015	TRUE	3.16E-10
Overall asthma	SNX16	cg27398817	rs1478972	A	T	-0.146	0.027	0.365	3.92E-08	-0.027	0.010	0.005	0.008	30.173	TRUE	2.03E-07
Overall asthma	SNX16	cg27398817	rs16909559	G	T	0.467	0.040	0.110	1.06E-31	0.006	0.015	0.680	0.036	137.186	TRUE	7.52E-31
Overall asthma	SNX16	cg27398817	rs3889832	G	A	0.348	0.025	0.458	3.68E-44	-0.007	0.010	0.470	0.050	194.188	TRUE	1.31E-42
Overall asthma	SNX16	cg27398817	rs4292642	C	A	0.281	0.035	0.169	4.50E-16	0.023	0.013	0.074	0.018	65.968	TRUE	3.00E-15
Overall asthma	SNX16	cg27398817	rs4610705	A	C	0.384	0.040	0.114	2.85E-22	0.017	0.015	0.260	0.025	94.152	TRUE	1.93E-21
Overall asthma	SNX16	cg27398817	rs5014113	G	A	-0.836	0.021	0.395	<1E-200	0.005	0.010	0.640	0.290	1512.619	TRUE	2.13E-290
Overall asthma	SNX16	cg27398817	rs74737517	G	C	-0.423	0.036	0.135	4.51E-32	-0.018	0.014	0.190	0.036	138.877	TRUE	8.87E-31
Overall asthma	SNX16	cg27398817	rs75843534	C	T	-0.454	0.049	0.071	9.27E-21	0.012	0.019	0.510	0.023	87.265	TRUE	3.54E-20
Overall asthma	SNX16	cg27398817	rs76638496	A	G	0.624	0.087	0.018	5.83E-13	-0.009	0.033	0.780	0.014	51.874	TRUE	1.04E-12
Overall asthma	SNX16	cg27398817	rs7824502	G	A	0.182	0.028	0.297	4.20E-11	-0.012	0.010	0.240	0.012	43.495	TRUE	1.22E-10
Overall asthma	SNX16	cg27398817	rs78399365	A	C	0.616	0.096	0.015	1.29E-10	-0.060	0.038	0.110	0.011	41.304	TRUE	4.55E-10
Overall asthma	SNX32	cg06678084	rs10896049	A	G	0.258	0.032	0.150	1.41E-15	-0.053	0.013	6.50E-05	0.017	63.717	TRUE	4.97E-14
Overall asthma	SNX32	cg13467162	rs61895685	G	A	0.388	0.032	0.156	9.67E-35	-0.052	0.013	6.60E-05	0.039	151.079	TRUE	5.58E-32
Overall asthma	SNX32	cg15531562	rs10791819	G	A	0.333	0.026	0.247	2.04E-36	0.018	0.011	0.096	0.041	158.744	TRUE	9.54E-35
Overall asthma	SNX32	cg15531562	rs10896072	G	C	-0.458	0.042	0.083	1.11E-27	0.007	0.016	0.670	0.031	118.820	TRUE	5.96E-27
Overall asthma	SNX32	cg15531562	rs111442339	C	T	-0.210	0.027	0.254	2.72E-15	-0.015	0.011	0.170	0.017	62.428	TRUE	1.24E-14
Overall asthma	SNX32	cg15531562	rs11227408	G	A	-0.602	0.069	0.057	3.43E-18	0.006	0.020	0.780	0.020	75.586	TRUE	8.17E-18
Overall asthma	SNX32	cg15531562	rs11551353	A	T	0.470	0.048	0.061	1.60E-22	-0.016	0.019	0.390	0.025	95.292	TRUE	8.46E-22
Overall asthma	SNX32	cg15531562	rs11605273	T	C	-0.482	0.070	0.059	4.32E-12	-0.041	0.020	0.039	0.013	47.950	TRUE	2.37E-11

Overall asthma	SNX32	cg15531562	rs117107530	T	C	-0.465	0.068	0.031	1.10E-11	0.028	0.027	0.290	0.012	46.122	TRUE	3.00E-11
Overall asthma	SNX32	cg15531562	rs1201433	A	C	0.231	0.024	0.405	1.75E-22	0.006	0.010	0.570	0.025	95.117	TRUE	7.13E-22
Overall asthma	SNX32	cg15531562	rs12418103	A	G	0.564	0.034	0.128	9.96E-62	-0.051	0.014	3.20E-04	0.069	274.701	TRUE	2.82E-57
Overall asthma	SNX32	cg15531562	rs12802560	T	C	-0.390	0.028	0.217	6.46E-45	0.035	0.011	0.003	0.051	197.646	TRUE	6.29E-42
Overall asthma	SNX32	cg15531562	rs138189877	C	G	-0.547	0.100	0.017	4.23E-08	0.032	0.039	0.400	0.008	30.025	TRUE	7.96E-08
Overall asthma	SNX32	cg15531562	rs138924467	T	C	0.314	0.047	0.071	2.21E-11	-0.003	0.019	0.880	0.012	44.749	TRUE	3.35E-11
Overall asthma	SNX32	cg15531562	rs141399103	C	T	-0.526	0.084	0.020	4.58E-10	-0.040	0.035	0.250	0.010	38.828	TRUE	1.19E-09
Overall asthma	SNX32	cg15531562	rs143659154	T	C	-0.402	0.071	0.028	1.65E-08	-0.071	0.028	0.010	0.009	31.853	TRUE	8.00E-08
Overall asthma	SNX32	cg15531562	rs146747472	G	C	0.603	0.077	0.022	7.04E-15	-0.022	0.033	0.490	0.016	60.555	TRUE	1.85E-14
Overall asthma	SNX32	cg15531562	rs148097428	A	G	0.337	0.056	0.047	1.37E-09	-0.012	0.022	0.580	0.010	36.693	TRUE	2.42E-09
Overall asthma	SNX32	cg15531562	rs17494956	A	G	-0.534	0.045	0.074	7.08E-33	-0.018	0.018	0.310	0.037	142.554	TRUE	1.09E-31
Overall asthma	SNX32	cg15531562	rs2282529	A	G	-0.133	0.024	0.434	4.19E-08	0.010	0.010	0.300	0.008	30.045	TRUE	8.81E-08
Overall asthma	SNX32	cg15531562	rs35696016	C	G	0.434	0.034	0.147	2.32E-38	-0.015	0.013	0.270	0.043	167.637	TRUE	7.54E-37
Overall asthma	SNX32	cg15531562	rs41302425	C	G	0.404	0.057	0.045	1.61E-12	0.021	0.023	0.370	0.013	49.888	TRUE	4.30E-12
Overall asthma	SNX32	cg15531562	rs473661	C	T	0.584	0.064	0.037	3.92E-20	0.033	0.026	0.210	0.022	84.412	TRUE	2.50E-19
Overall asthma	SNX32	cg15531562	rs484983	G	A	0.182	0.024	0.416	1.89E-14	0.012	0.010	0.220	0.016	58.608	TRUE	7.35E-14
Overall asthma	SNX32	cg15531562	rs575631	G	A	-0.962	0.017	0.483	<1E-200	0.026	0.010	0.006	0.464	3208.475	TRUE	<1E-200
Overall asthma	SNX32	cg15531562	rs633727	G	A	-0.191	0.023	0.487	2.38E-16	0.004	0.010	0.700	0.018	67.222	TRUE	5.51E-16
Overall asthma	SNX32	cg15531562	rs665902	G	T	-0.296	0.052	0.049	1.32E-08	-0.031	0.020	0.120	0.009	32.285	TRUE	3.82E-08
Overall asthma	SNX32	cg15531562	rs683191	T	G	0.443	0.042	0.083	1.85E-26	0.016	0.017	0.340	0.030	113.241	TRUE	1.49E-25
Overall asthma	SNX32	cg15531562	rs71457704	A	G	-0.422	0.053	0.054	1.00E-15	0.061	0.023	0.007	0.017	64.392	TRUE	1.25E-14
Overall asthma	SNX32	cg15531562	rs72941018	A	G	-0.410	0.044	0.073	1.70E-20	0.017	0.018	0.350	0.023	86.066	TRUE	8.40E-20
Overall asthma	SNX32	cg15531562	rs74956044	T	C	0.541	0.061	0.032	4.86E-19	0.009	0.021	0.660	0.021	79.442	TRUE	1.40E-18
Overall asthma	SNX32	cg15531562	rs75933844	A	G	0.469	0.041	0.086	1.24E-30	0.004	0.016	0.790	0.035	132.301	TRUE	7.03E-30
Overall asthma	SNX32	cg15531562	rs76584642	G	T	-0.607	0.044	0.079	3.17E-44	-0.024	0.017	0.150	0.050	194.481	TRUE	2.79E-42
Overall asthma	SNX32	cg15531562	rs76874675	C	G	0.601	0.072	0.028	6.68E-17	-0.030	0.029	0.290	0.019	69.728	TRUE	2.69E-16
Overall asthma	SNX32	cg15531562	rs7950327	G	A	0.444	0.054	0.050	2.31E-16	-0.006	0.023	0.780	0.018	67.281	TRUE	4.93E-16
Overall asthma	SNX32	cg15531562	rs79783977	G	A	0.581	0.093	0.017	4.00E-10	-0.020	0.034	0.570	0.010	39.093	TRUE	7.46E-10
Overall asthma	SNX32	cg15531562	rs801741	C	T	-0.417	0.023	0.486	8.45E-73	0.004	0.010	0.670	0.081	325.491	TRUE	8.10E-70
Overall asthma	SNX6	cg17346022	rs12436264	A	C	-0.161	0.025	0.356	5.88E-11	0.007	0.010	0.470	0.011	42.837	TRUE	1.26E-10
Overall asthma	SNX6	cg17346022	rs201406732	C	A	0.571	0.023	0.370	1.81E-130	-0.011	0.010	0.270	0.138	590.326	TRUE	7.30E-122
Overall asthma	SNX6	cg17346022	rs4562976	G	A	-0.219	0.033	0.158	1.63E-11	0.007	0.013	0.580	0.012	45.343	TRUE	3.25E-11
Overall asthma	SNX6	cg17346022	rs61981518	C	T	-0.215	0.035	0.136	5.90E-10	0.000	0.013	0.980	0.010	38.334	TRUE	7.78E-10
Overall asthma	SNX6	cg17346022	rs66645413	C	A	-0.311	0.031	0.168	1.38E-23	0.025	0.013	0.050	0.026	100.144	TRUE	2.20E-22
Overall asthma	SNX6	cg17346022	rs76536290	A	G	-0.248	0.040	0.102	8.29E-10	-0.032	0.017	0.056	0.010	37.670	TRUE	3.25E-09
Overall asthma	SNX6	cg17346022	rs8009551	G	T	-0.237	0.025	0.353	1.71E-21	-0.004	0.010	0.720	0.024	90.606	TRUE	5.34E-21
Overall asthma	SNX6	cg19539986	rs10129261	A	G	0.329	0.024	0.389	1.80E-42	0.009	0.010	0.360	0.048	186.450	TRUE	6.82E-41
Overall asthma	SNX6	cg19539986	rs10140151	A	G	-0.197	0.032	0.140	1.21E-09	0.024	0.013	0.077	0.010	36.937	TRUE	4.55E-09
Overall asthma	SNX6	cg19539986	rs10149653	A	C	-0.219	0.023	0.476	2.02E-21	0.007	0.010	0.490	0.024	90.273	TRUE	8.53E-21
Overall asthma	SNX6	cg19539986	rs113132195	T	G	-0.785	0.081	0.022	5.54E-22	0.028	0.030	0.370	0.024	92.834	TRUE	3.05E-21
Overall asthma	SNX6	cg19539986	rs115968595	G	A	0.554	0.069	0.030	1.39E-15	0.055	0.027	0.044	0.017	63.750	TRUE	1.08E-14
Overall asthma	SNX6	cg19539986	rs139422499	C	T	-0.632	0.097	0.014	5.94E-11	-0.120	0.041	0.003	0.011	42.818	TRUE	4.95E-10

Overall asthma	SNX6	cg19539986	rs142824845	G	C	0.328	0.044	0.078	1.19E-13	0.000	0.017	0.990	0.015	54.987	TRUE	1.83E-13
Overall asthma	SNX6	cg19539986	rs150625783	T	C	-0.650	0.098	0.014	4.05E-11	-0.003	0.041	0.950	0.012	43.567	TRUE	5.72E-11
Overall asthma	SNX6	cg19539986	rs17102628	G	T	0.580	0.040	0.103	6.00E-48	-0.033	0.017	0.055	0.054	211.536	TRUE	1.72E-45
Overall asthma	SNX6	cg19539986	rs34612921	A	G	0.553	0.029	0.206	2.78E-82	0.022	0.012	0.061	0.091	369.010	TRUE	1.53E-77
Overall asthma	SNX6	cg19539986	rs35151410	C	A	-0.450	0.057	0.099	2.81E-15	-0.019	0.016	0.240	0.017	62.364	TRUE	1.12E-14
Overall asthma	SNX6	cg19539986	rs35173492	A	C	0.147	0.027	0.274	3.64E-08	0.011	0.011	0.330	0.008	30.316	TRUE	7.57E-08
Overall asthma	SNX6	cg19539986	rs4468514	C	T	0.358	0.024	0.439	1.31E-51	0.024	0.010	0.014	0.058	228.305	TRUE	1.31E-48
Overall asthma	SNX6	cg19539986	rs61472699	G	A	0.274	0.031	0.179	1.78E-18	0.019	0.013	0.130	0.020	76.880	TRUE	1.15E-17
Overall asthma	SNX6	cg19539986	rs68034895	C	G	0.557	0.030	0.168	2.22E-74	0.024	0.013	0.055	0.083	332.740	TRUE	3.08E-70
Overall asthma	SNX6	cg19539986	rs7151192	G	A	-0.934	0.018	0.404	<1E-200	-0.009	0.010	0.360	0.410	2569.416	TRUE	<1E-200
Overall asthma	SNX6	cg19539986	rs72671598	C	T	0.202	0.036	0.275	2.09E-08	-0.006	0.011	0.600	0.008	31.396	TRUE	3.40E-08
Overall asthma	SNX6	cg19539986	rs72675287	G	A	-0.717	0.051	0.118	7.57E-45	-0.017	0.015	0.250	0.051	197.330	TRUE	4.97E-43
Overall asthma	SNX6	cg19539986	rs78396757	G	T	0.503	0.035	0.138	7.81E-48	-0.001	0.013	0.960	0.054	211.010	TRUE	1.65E-46
Overall asthma	SNX6	cg19539986	rs80021290	T	C	0.477	0.050	0.060	7.12E-22	-0.016	0.020	0.430	0.024	92.338	TRUE	3.44E-21
Overall asthma	SNX6	cg19539986	rs8009551	G	T	0.435	0.024	0.353	1.23E-70	-0.004	0.010	0.720	0.079	315.562	TRUE	7.58E-68
Overall asthma	SNX6	cg19539986	rs8015484	C	T	0.395	0.060	0.039	4.00E-11	-0.056	0.026	0.030	0.012	43.589	TRUE	2.12E-10
Overall asthma	SNX6	cg20478089	rs7144882	A	T	-0.229	0.036	0.125	1.51E-10	0.004	0.015	0.780	0.011	40.992	TRUE	2.39E-10
Overall asthma	SNX6	cg20478089	rs72675279	A	G	0.241	0.023	0.439	8.88E-25	-0.022	0.010	0.024	0.028	105.574	TRUE	2.24E-23
Overall asthma	SNX6	cg26094752	rs12895457	T	A	-0.196	0.024	0.358	2.09E-16	-0.012	0.010	0.220	0.018	67.478	TRUE	9.32E-16
Overall asthma	SPATA2	cg01688202	rs137867080	G	A	-0.887	0.096	0.013	2.49E-20	-0.008	0.038	0.830	0.023	85.309	TRUE	6.42E-20
Overall asthma	SPATA2	cg01688202	rs2769979	C	T	0.498	0.023	0.481	3.86E-105	-0.020	0.010	0.034	0.114	473.965	TRUE	3.38E-98
Overall asthma	SPATA2	cg01688202	rs601849	T	C	0.299	0.031	0.186	4.25E-22	0.000	0.013	0.980	0.025	93.359	TRUE	1.03E-21
Overall asthma	SPATA2	cg01688202	rs6095748	T	C	0.193	0.024	0.481	4.88E-16	-0.006	0.010	0.510	0.017	65.808	TRUE	1.38E-15
Overall asthma	SPATA2	cg01688202	rs73910338	C	T	-1.474	0.041	0.083	7.74E-280	-0.016	0.018	0.360	0.257	1277.059	TRUE	5.54E-249
Overall asthma	SPATA2	cg09647671	rs35099199	C	G	-0.131	0.024	0.395	3.86E-08	0.028	0.010	0.004	0.008	30.200	TRUE	2.11E-07
Overall asthma	SPATA2	cg09647671	rs601849	T	C	-0.182	0.031	0.186	2.76E-09	0.000	0.013	0.980	0.009	35.327	TRUE	3.56E-09
Overall asthma	SPATA2	cg09647671	rs6067269	A	C	-0.340	0.023	0.442	2.32E-48	0.020	0.010	0.040	0.055	213.423	TRUE	8.28E-46
Overall asthma	SPATA2	cg16632346	rs112590664	T	C	0.230	0.025	0.296	7.98E-20	0.026	0.011	0.012	0.022	83.010	TRUE	1.26E-18
Overall asthma	SPATA2	cg16632346	rs6020156	G	C	-0.362	0.036	0.121	2.56E-23	-0.004	0.015	0.790	0.026	98.919	TRUE	8.42E-23
Overall asthma	SPATA2	cg17835207	rs117142370	C	G	-0.814	0.108	0.029	4.46E-14	-0.014	0.031	0.650	0.015	56.924	TRUE	9.54E-14
Overall asthma	SPATA2	cg17835207	rs117184875	C	A	-0.857	0.077	0.024	4.19E-29	0.005	0.028	0.870	0.033	125.320	TRUE	1.88E-28
Overall asthma	SPATA2	cg17835207	rs8125607	A	G	-0.240	0.025	0.297	3.46E-21	0.026	0.011	0.013	0.024	89.213	TRUE	6.38E-20
Overall asthma	SPATA2	cg17835207	rs937408	G	A	-0.246	0.035	0.127	2.18E-12	-0.009	0.014	0.520	0.013	49.292	TRUE	4.79E-12
Overall asthma	SPATA2	cg17849948	rs2235621	A	G	0.683	0.056	0.048	5.38E-34	0.010	0.022	0.650	0.038	147.671	TRUE	4.91E-33
Overall asthma	SPATA2	cg19221489	rs12329463	A	G	0.356	0.036	0.127	9.99E-23	-0.007	0.015	0.660	0.025	96.225	TRUE	3.67E-22
Overall asthma	SPATA2	cg19221489	rs615868	T	C	-0.195	0.023	0.465	7.73E-17	-0.019	0.010	0.047	0.018	69.440	TRUE	6.52E-16
Overall asthma	SPATA2	cg25188239	rs199654698	C	T	0.493	0.054	0.053	1.06E-19	0.025	0.022	0.250	0.022	82.456	TRUE	5.79E-19
Overall asthma	SQLE	cg00285394	rs15905	C	G	-0.715	0.043	0.092	6.06E-63	0.032	0.016	0.047	0.070	280.275	TRUE	1.66E-59
Overall asthma	SQLE	cg00285394	rs28694080	G	A	-0.377	0.047	0.077	4.99E-16	-0.005	0.017	0.760	0.017	65.766	TRUE	1.08E-15
Overall asthma	SQLE	cg00285394	rs7009755	T	C	-0.234	0.040	0.110	5.36E-09	-0.009	0.015	0.550	0.009	34.036	TRUE	9.37E-09
Overall asthma	SQLE	cg00285394	rs7815636	C	T	0.159	0.025	0.467	1.68E-10	-0.016	0.010	0.100	0.011	40.785	TRUE	6.19E-10
Overall asthma	SQLE	cg09984392	rs15905	C	G	-0.573	0.043	0.092	1.55E-40	0.032	0.016	0.047	0.046	177.587	TRUE	1.84E-38

Overall asthma	SQLE	cg09984392	rs2382999	C	G	-0.326	0.046	0.083	1.80E-12	-0.016	0.017	0.340	0.013	49.662	TRUE	4.90E-12
Overall asthma	SQLE	cg22011731	rs15905	C	G	-0.384	0.043	0.092	8.06E-19	0.032	0.016	0.047	0.021	78.443	TRUE	8.45E-18
Overall asthma	SRC	cg01141721	rs6018199	G	T	0.413	0.033	0.138	1.22E-35	-0.031	0.013	0.021	0.040	155.196	TRUE	1.25E-33
Overall asthma	SRC	cg03114748	rs11698554	C	T	-0.398	0.043	0.068	9.42E-21	0.012	0.016	0.450	0.023	87.234	TRUE	4.00E-20
Overall asthma	SRC	cg03114748	rs143465524	C	G	-0.570	0.076	0.025	6.80E-14	0.005	0.031	0.870	0.015	56.094	TRUE	1.17E-13
Overall asthma	SRC	cg03114748	rs6017944	G	A	-0.504	0.026	0.248	6.02E-83	-0.010	0.011	0.370	0.091	372.061	TRUE	6.77E-79
Overall asthma	SRC	cg05498681	rs11908486	T	G	0.173	0.027	0.246	7.28E-11	-0.007	0.011	0.500	0.011	42.419	TRUE	1.50E-10
Overall asthma	SRC	cg08553950	rs56257628	A	C	-0.215	0.036	0.112	1.48E-09	-0.022	0.015	0.130	0.010	36.538	TRUE	4.46E-09
Overall asthma	SRC	cg11210813	rs1146262	G	A	0.130	0.023	0.460	3.18E-08	-0.003	0.010	0.760	0.008	30.577	TRUE	4.57E-08
Overall asthma	SRC	cg11210813	rs118071937	G	T	-0.531	0.086	0.022	6.92E-10	-0.074	0.030	0.016	0.010	38.023	TRUE	3.83E-09
Overall asthma	SRC	cg11210813	rs13038765	A	G	-0.516	0.042	0.071	1.85E-34	0.012	0.016	0.430	0.039	149.785	TRUE	2.51E-33
Overall asthma	SRC	cg11210813	rs13042917	G	T	-0.210	0.035	0.131	2.22E-09	0.012	0.014	0.390	0.010	35.749	TRUE	4.64E-09
Overall asthma	SRC	cg11210813	rs144511166	A	G	-0.233	0.032	0.157	2.51E-13	-0.019	0.013	0.130	0.014	53.529	TRUE	1.04E-12
Overall asthma	SRC	cg11210813	rs148643661	T	C	-0.715	0.130	0.016	3.48E-08	-0.042	0.039	0.290	0.008	30.401	TRUE	7.56E-08
Overall asthma	SRC	cg11210813	rs1534972	G	A	0.168	0.025	0.305	2.67E-11	0.015	0.010	0.140	0.012	44.384	TRUE	9.52E-11
Overall asthma	SRC	cg11210813	rs17785475	T	C	-0.406	0.048	0.055	3.18E-17	-0.025	0.020	0.200	0.019	71.189	TRUE	1.56E-16
Overall asthma	SRC	cg11210813	rs56262433	G	A	0.254	0.036	0.115	1.14E-12	0.022	0.015	0.130	0.013	50.560	TRUE	4.48E-12
Overall asthma	SRC	cg11210813	rs6017916	C	A	-0.782	0.024	0.282	7.50E-232	-0.005	0.010	0.610	0.222	1056.381	TRUE	5.11E-210
Overall asthma	SRC	cg11210813	rs6018027	C	T	-0.230	0.028	0.241	7.78E-17	-0.003	0.011	0.820	0.018	69.427	TRUE	1.64E-16
Overall asthma	SRC	cg11210813	rs6072798	T	C	0.138	0.025	0.377	2.07E-08	-0.012	0.010	0.240	0.008	31.411	TRUE	4.88E-08
Overall asthma	SRC	cg11210813	rs6090575	G	T	-0.248	0.044	0.077	1.28E-08	-0.009	0.018	0.610	0.009	32.348	TRUE	2.09E-08
Overall asthma	SRC	cg11210813	rs73097202	A	G	-0.583	0.085	0.020	8.56E-12	0.031	0.033	0.340	0.012	46.608	TRUE	2.22E-11
Overall asthma	SRC	cg11210813	rs73906204	A	G	0.329	0.045	0.066	4.64E-13	-0.024	0.017	0.150	0.014	52.322	TRUE	1.82E-12
Overall asthma	SRC	cg12807924	rs1291103	A	G	0.169	0.026	0.286	1.08E-10	-0.007	0.011	0.500	0.011	41.646	TRUE	2.17E-10
Overall asthma	SRC	cg12807924	rs13044214	A	G	-0.159	0.025	0.283	4.52E-10	0.003	0.010	0.810	0.010	38.852	TRUE	6.86E-10
Overall asthma	SRC	cg12807924	rs73906218	G	A	0.299	0.039	0.107	9.74E-15	-0.017	0.015	0.280	0.016	59.915	TRUE	3.59E-14
Overall asthma	SRC	cg12807924	rs75081152	A	G	0.599	0.106	0.025	1.47E-08	-0.013	0.030	0.650	0.009	32.079	TRUE	2.30E-08
Overall asthma	SRC	cg12807924	rs75295421	A	G	0.903	0.035	0.110	2.92E-148	-0.020	0.015	0.180	0.154	672.097	TRUE	2.04E-137
Overall asthma	SRC	cg14637027	rs6018284	C	A	-0.309	0.054	0.047	1.15E-08	-0.043	0.024	0.068	0.009	32.545	TRUE	3.83E-08
Overall asthma	SRC	cg19757422	rs11698554	C	T	-0.259	0.043	0.068	1.16E-09	0.012	0.016	0.450	0.010	37.021	TRUE	2.31E-09
Overall asthma	SRC	cg19757422	rs6032521	A	G	0.234	0.036	0.492	1.47E-10	-0.006	0.010	0.570	0.011	41.046	TRUE	2.77E-10
Overall asthma	SRC	cg19757422	rs7275012	A	G	-0.289	0.026	0.252	6.43E-28	-0.010	0.011	0.380	0.031	119.903	TRUE	5.43E-27
Overall asthma	SRC	cg22437284	rs6017916	C	A	-0.290	0.026	0.282	7.45E-30	-0.005	0.010	0.610	0.034	128.745	TRUE	5.28E-29
Overall asthma	SRC	cg23635789	rs75295421	A	G	0.323	0.036	0.110	3.47E-19	-0.020	0.015	0.180	0.021	80.106	TRUE	2.15E-18
Overall asthma	SRC	cg24055525	rs8116527	A	G	0.170	0.026	0.281	5.50E-11	-0.013	0.010	0.230	0.011	42.966	TRUE	1.69E-10
Overall asthma	SRC	cg24384816	rs13038765	A	G	-0.487	0.042	0.071	7.28E-31	0.012	0.016	0.430	0.035	133.359	TRUE	7.07E-30
Overall asthma	SRC	cg24384816	rs13042917	G	T	-0.210	0.035	0.131	2.05E-09	0.012	0.014	0.390	0.010	35.902	TRUE	4.30E-09
Overall asthma	SRC	cg24384816	rs17785475	T	C	-0.375	0.048	0.055	7.23E-15	-0.025	0.020	0.200	0.016	60.501	TRUE	2.93E-14
Overall asthma	SRC	cg24384816	rs56262433	G	A	0.229	0.036	0.115	1.42E-10	0.022	0.015	0.130	0.011	41.110	TRUE	4.67E-10
Overall asthma	SRC	cg24384816	rs6017916	C	A	-0.742	0.024	0.282	1.11E-205	-0.005	0.010	0.610	0.202	936.048	TRUE	5.59E-188
Overall asthma	SRC	cg24384816	rs6018027	C	T	-0.259	0.028	0.241	4.65E-21	-0.003	0.011	0.820	0.023	88.627	TRUE	1.26E-20
Overall asthma	SRC	cg24384816	rs6072798	T	C	0.148	0.025	0.377	1.95E-09	-0.012	0.010	0.240	0.010	36.001	TRUE	4.99E-09

Overall asthma	SRC	cg24384816	rs6090575	G	T	-0.248	0.044	0.077	1.25E-08	-0.009	0.018	0.610	0.009	32.385	TRUE	2.05E-08
Overall asthma	SRC	cg24384816	rs6102336	C	A	-0.155	0.024	0.420	1.22E-10	-0.009	0.010	0.360	0.011	41.414	TRUE	2.87E-10
Overall asthma	SRC	cg24384816	rs73097202	A	G	-0.606	0.085	0.020	1.25E-12	0.031	0.033	0.340	0.013	50.373	TRUE	3.44E-12
Overall asthma	SRC	cg24384816	rs73906204	A	G	0.301	0.046	0.066	3.79E-11	-0.024	0.017	0.150	0.012	43.695	TRUE	1.26E-10
Overall asthma	SRC	cg24956391	rs11905180	C	T	-0.237	0.033	0.136	7.41E-13	-0.027	0.013	0.046	0.014	51.406	TRUE	4.48E-12
Overall asthma	SSTR3	cg14757173	rs2160908	T	C	-0.140	0.025	0.317	2.60E-08	0.027	0.011	0.011	0.008	30.969	TRUE	1.18E-07
Overall asthma	SSTR3	cg27228136	rs9607428	G	A	0.234	0.032	0.155	3.06E-13	0.038	0.014	0.005	0.014	53.139	TRUE	2.98E-12
Overall asthma	SSTR3	cg27228136	rs9610667	C	T	-0.221	0.023	0.480	2.26E-21	0.006	0.010	0.500	0.024	90.058	TRUE	9.36E-21
Overall asthma	STAT5A	cg03001305	rs34129849	C	A	0.218	0.025	0.288	9.52E-18	-0.041	0.010	6.20E-05	0.020	73.570	TRUE	4.76E-16
Overall asthma	STAT5A	cg05117208	rs548972072	G	C	-0.159	0.027	0.253	4.28E-09	-0.031	0.011	0.004	0.009	34.472	TRUE	2.61E-08
Overall asthma	STAT5A	cg05117208	rs62076928	A	G	-0.379	0.025	0.289	8.49E-51	-0.041	0.010	6.20E-05	0.057	224.590	TRUE	7.18E-47
Overall asthma	STAT5A	cg06357561	rs34129849	C	A	0.204	0.025	0.288	1.06E-15	-0.041	0.010	6.20E-05	0.017	64.289	TRUE	3.85E-14
Overall asthma	STAT5A	cg14042635	rs73983710	A	G	0.451	0.082	0.020	4.09E-08	-0.008	0.034	0.800	0.008	30.092	TRUE	5.67E-08
Overall asthma	STAT5A	cg17478203	rs79843305	T	A	-0.163	0.026	0.290	1.73E-10	-0.041	0.010	6.10E-05	0.011	40.726	TRUE	2.71E-09
Overall asthma	STAT5A	cg20388732	rs11079041	A	T	-0.277	0.025	0.290	1.05E-27	-0.041	0.010	6.30E-05	0.031	118.923	TRUE	2.35E-25
Overall asthma	STAT5B	cg18810026	rs62076928	A	G	-0.311	0.025	0.289	7.84E-35	-0.041	0.010	6.20E-05	0.039	151.494	TRUE	5.14E-32
Overall asthma	STAT5B	cg19465320	rs112220485	C	T	0.231	0.041	0.090	1.97E-08	-0.056	0.017	9.10E-04	0.008	31.512	TRUE	1.40E-07
Overall asthma	STAT5B	cg19465320	rs9908318	T	G	0.246	0.025	0.289	5.05E-22	-0.041	0.010	7.20E-05	0.025	93.018	TRUE	4.82E-20
Overall asthma	STEAP3	cg00327263	rs60549362	G	A	0.180	0.024	0.449	2.70E-14	-0.020	0.010	0.034	0.015	57.912	TRUE	1.90E-13
Overall asthma	STEAP3	cg06872331	rs10206700	A	G	0.390	0.028	0.209	4.90E-43	-0.026	0.012	0.031	0.049	189.037	TRUE	9.88E-41
Overall asthma	STEAP3	cg06872331	rs10209956	C	T	0.173	0.024	0.394	1.11E-12	0.004	0.010	0.710	0.013	50.604	TRUE	2.09E-12
Overall asthma	STEAP3	cg06872331	rs12998285	C	T	-0.200	0.028	0.217	1.99E-12	-0.005	0.011	0.680	0.013	49.471	TRUE	3.83E-12
Overall asthma	STEAP3	cg06872331	rs144846120	A	G	0.667	0.108	0.026	6.58E-10	0.043	0.032	0.180	0.010	38.119	TRUE	1.90E-09
Overall asthma	STEAP3	cg06872331	rs17798163	A	G	-0.308	0.054	0.046	1.22E-08	0.015	0.021	0.480	0.009	32.437	TRUE	2.24E-08
Overall asthma	STEAP3	cg06872331	rs17805141	T	C	-0.397	0.053	0.053	8.75E-14	-0.001	0.021	0.950	0.015	55.600	TRUE	1.39E-13
Overall asthma	STEAP3	cg06872331	rs35946475	C	T	-0.269	0.035	0.341	5.94E-15	0.000	0.010	0.990	0.016	60.888	TRUE	9.63E-15
Overall asthma	STEAP3	cg06872331	rs3795927	A	G	0.711	0.022	0.445	8.95E-226	-0.014	0.010	0.160	0.218	1028.439	TRUE	9.01E-204
Overall asthma	STEAP3	cg06872331	rs56267331	A	G	-0.391	0.055	0.046	1.34E-12	0.037	0.023	0.110	0.013	50.241	TRUE	5.77E-12
Overall asthma	STEAP3	cg06872331	rs6759748	G	A	0.212	0.029	0.202	5.15E-13	0.003	0.012	0.790	0.014	52.120	TRUE	9.12E-13
Overall asthma	STEAP3	cg06872331	rs72839750	A	T	-0.196	0.035	0.128	1.40E-08	-0.010	0.014	0.490	0.009	32.174	TRUE	2.55E-08
Overall asthma	STEAP3	cg06872331	rs72839761	A	C	0.434	0.069	0.028	2.54E-10	-0.040	0.026	0.120	0.011	39.981	TRUE	8.51E-10
Overall asthma	STEAP3	cg06872331	rs7583824	T	C	-0.244	0.024	0.405	1.81E-24	0.014	0.010	0.140	0.027	104.163	TRUE	2.00E-23
Overall asthma	STEAP3	cg06872331	rs76612865	A	G	-0.341	0.046	0.068	1.92E-13	-0.003	0.018	0.890	0.014	54.058	TRUE	3.17E-13
Overall asthma	STEAP3	cg06872331	rs77599087	A	G	0.400	0.070	0.024	1.02E-08	0.043	0.029	0.140	0.009	32.779	TRUE	2.88E-08
Overall asthma	STEAP3	cg08024822	rs708670	A	G	-0.148	0.024	0.417	3.72E-10	-0.018	0.010	0.059	0.010	39.231	TRUE	1.49E-09
Overall asthma	STEAP3	cg12535642	rs10496555	A	G	-0.146	0.027	0.265	4.93E-08	-0.010	0.011	0.380	0.008	29.727	TRUE	9.46E-08
Overall asthma	STEAP3	cg12535642	rs11684807	C	G	-0.308	0.039	0.096	1.60E-15	0.000	0.015	0.990	0.017	63.476	TRUE	2.65E-15
Overall asthma	STEAP3	cg12535642	rs13011233	T	G	0.180	0.027	0.268	1.29E-11	0.021	0.011	0.051	0.012	45.810	TRUE	6.14E-11
Overall asthma	STEAP3	cg12535642	rs3754847	T	C	0.842	0.020	0.438	<1E-200	-0.021	0.010	0.030	0.322	1758.664	TRUE	<1E-200
Overall asthma	STEAP3	cg12535642	rs56304959	T	C	-0.438	0.030	0.201	1.16E-49	0.013	0.012	0.290	0.056	219.379	TRUE	1.28E-47
Overall asthma	STEAP3	cg12535642	rs62157029	G	A	-0.213	0.028	0.222	4.20E-14	-0.007	0.011	0.520	0.015	57.043	TRUE	1.05E-13
Overall asthma	STEAP3	cg12535642	rs62157444	T	G	0.259	0.039	0.099	2.38E-11	-0.040	0.016	0.010	0.012	44.603	TRUE	1.60E-10

Overall asthma	STEAP3	cg12535642	rs6708149	T	C	0.375	0.028	0.214	1.05E-39	0.001	0.012	0.920	0.045	173.790	TRUE	1.05E-38
Overall asthma	STEAP3	cg12535642	rs6721529	A	C	-0.173	0.024	0.421	2.59E-13	0.014	0.010	0.150	0.014	53.466	TRUE	1.06E-12
Overall asthma	STEAP3	cg12535642	rs6723312	G	A	-0.508	0.040	0.097	1.04E-36	0.013	0.016	0.390	0.041	160.081	TRUE	1.89E-35
Overall asthma	STEAP3	cg12535642	rs72829474	C	T	-0.527	0.062	0.035	1.84E-17	0.024	0.024	0.320	0.019	72.273	TRUE	7.52E-17
Overall asthma	STEAP3	cg12535642	rs72833274	A	G	-0.261	0.046	0.061	1.86E-08	0.009	0.018	0.610	0.008	31.620	TRUE	3.03E-08
Overall asthma	STEAP3	cg12535642	rs74264760	T	C	-0.277	0.033	0.142	1.52E-17	-0.001	0.013	0.970	0.019	72.649	TRUE	2.87E-17
Overall asthma	STEAP3	cg12535642	rs75360780	A	C	0.547	0.037	0.113	1.18E-48	-0.022	0.015	0.150	0.055	214.769	TRUE	1.94E-46
Overall asthma	STEAP3	cg12535642	rs76738995	G	C	-0.479	0.048	0.063	1.90E-23	0.022	0.019	0.250	0.026	99.507	TRUE	1.46E-22
Overall asthma	STEAP3	cg12535642	rs838079	A	G	-0.335	0.045	0.072	8.04E-14	0.007	0.017	0.690	0.015	55.765	TRUE	1.65E-13
Overall asthma	STEAP3	cg13431009	rs3769653	T	C	0.407	0.023	0.457	1.05E-68	-0.019	0.010	0.045	0.077	306.705	TRUE	7.01E-65
Overall asthma	STEAP3	cg13431009	rs56304959	T	C	-0.194	0.030	0.201	9.25E-11	0.013	0.012	0.290	0.011	41.952	TRUE	2.44E-10
Overall asthma	STEAP3	cg13431009	rs6740573	C	G	-0.241	0.040	0.102	1.54E-09	0.014	0.016	0.360	0.010	36.464	TRUE	3.28E-09
Overall asthma	STEAP3	cg13431009	rs75360780	A	C	0.224	0.038	0.113	2.79E-09	-0.022	0.015	0.150	0.009	35.304	TRUE	8.20E-09
Overall asthma	STEAP3	cg13431009	rs78115599	T	C	0.159	0.029	0.207	3.92E-08	0.001	0.012	0.960	0.008	30.171	TRUE	4.91E-08
Overall asthma	STEAP3	cg14882150	rs10194572	C	T	-0.318	0.028	0.208	2.70E-29	-0.026	0.012	0.031	0.033	126.187	TRUE	1.02E-27
Overall asthma	STEAP3	cg14882150	rs12612942	G	A	-0.168	0.029	0.214	4.23E-09	0.002	0.012	0.890	0.009	34.498	TRUE	5.74E-09
Overall asthma	STEAP3	cg14882150	rs35946475	C	T	0.195	0.034	0.341	1.29E-08	0.000	0.010	0.990	0.009	32.335	TRUE	1.60E-08
Overall asthma	STEAP3	cg14882150	rs3795927	A	G	-0.473	0.023	0.445	5.22E-95	-0.014	0.010	0.160	0.104	427.440	TRUE	1.62E-89
Overall asthma	STEAP3	cg14882150	rs6722032	C	A	0.205	0.024	0.406	5.78E-18	0.014	0.010	0.160	0.020	74.554	TRUE	3.53E-17
Overall asthma	STEAP3	cg17276106	rs13011366	C	A	-0.160	0.024	0.414	3.43E-11	-0.030	0.010	0.002	0.012	43.888	TRUE	3.27E-10
Overall asthma	STEAP3	cg17276106	rs147072811	A	G	-1.533	0.105	0.011	4.62E-48	0.015	0.043	0.740	0.054	212.055	TRUE	1.52E-46
Overall asthma	STEAP3	cg17276106	rs1867750	A	G	-0.164	0.026	0.297	1.30E-10	0.002	0.010	0.820	0.011	41.282	TRUE	2.02E-10
Overall asthma	STEAP3	cg17276106	rs72840946	T	C	-0.432	0.058	0.038	1.22E-13	-0.012	0.024	0.610	0.015	54.949	TRUE	2.63E-13
Overall asthma	STEAP3	cg17276106	rs7602788	C	G	-0.247	0.034	0.138	5.32E-13	0.021	0.013	0.120	0.014	52.054	TRUE	2.38E-12
Overall asthma	STEAP3	cg17276106	rs76769390	G	A	-0.637	0.055	0.051	1.61E-31	0.003	0.020	0.890	0.036	136.356	TRUE	8.47E-31
Overall asthma	STEAP3	cg17276106	rs78133788	A	G	-1.623	0.043	0.058	<1E-200	0.020	0.019	0.300	0.280	1435.495	TRUE	2.60E-276
Overall asthma	STEAP3	cg17276106	rs80298521	T	G	-0.454	0.076	0.046	2.30E-09	0.024	0.020	0.230	0.010	35.683	TRUE	5.84E-09
Overall asthma	STEAP3	cg17276106	rs838083	C	T	0.359	0.052	0.051	6.13E-12	0.039	0.021	0.063	0.013	47.261	TRUE	2.92E-11
Overall asthma	STEAP3	cg17276106	rs895406	T	C	-0.302	0.023	0.499	3.05E-38	-0.015	0.010	0.110	0.043	167.095	TRUE	1.61E-36
Overall asthma	STEAP3	cg19911116	rs6721852	C	T	0.149	0.023	0.456	1.30E-10	-0.021	0.010	0.031	0.011	41.290	TRUE	6.72E-10
Overall asthma	STEAP3	cg21855041	rs56166948	A	T	-0.321	0.024	0.393	1.34E-40	0.024	0.010	0.013	0.046	177.883	TRUE	2.80E-38
Overall asthma	STEAP3	cg21855041	rs6721852	C	T	0.210	0.024	0.456	3.93E-19	-0.021	0.010	0.031	0.021	79.861	TRUE	5.08E-18
Overall asthma	STEAP3	cg21855041	rs6723312	G	A	-0.387	0.040	0.097	8.08E-22	0.013	0.016	0.390	0.024	92.090	TRUE	3.93E-21
Overall asthma	STEAP3	cg21855041	rs72829472	C	A	-0.420	0.062	0.035	1.42E-11	0.021	0.024	0.390	0.012	45.614	TRUE	3.48E-11
Overall asthma	STEAP3	cg23822655	rs75360780	A	C	0.222	0.038	0.113	3.38E-09	-0.022	0.015	0.150	0.009	34.935	TRUE	9.84E-09
Overall asthma	STEAP3	cg23822655	rs78133788	A	G	-0.304	0.049	0.058	5.24E-10	0.020	0.019	0.300	0.010	38.563	TRUE	1.28E-09
Overall asthma	STEAP3	cg23822655	rs838070	A	G	0.293	0.023	0.463	1.01E-35	-0.018	0.010	0.063	0.040	155.559	TRUE	5.79E-34
Overall asthma	STEAP3	cg25713625	rs10207133	A	G	0.158	0.025	0.337	2.60E-10	-0.012	0.010	0.260	0.011	39.936	TRUE	7.10E-10
Overall asthma	STEAP3	cg25713625	rs12711923	A	C	-0.236	0.043	0.085	3.88E-08	0.000	0.017	0.990	0.008	30.192	TRUE	4.74E-08
Overall asthma	STEAP3	cg25713625	rs6740573	C	G	-0.281	0.040	0.102	1.95E-12	0.014	0.016	0.360	0.013	49.510	TRUE	5.05E-12
Overall asthma	STEAP3	cg25713625	rs72829483	G	A	0.201	0.028	0.234	6.72E-13	0.004	0.011	0.730	0.014	51.595	TRUE	1.27E-12
Overall asthma	STEAP3	cg25713625	rs73948632	A	G	-0.360	0.046	0.069	2.75E-15	0.023	0.018	0.210	0.017	62.404	TRUE	1.18E-14

Overall asthma	STEAP3	cg25713625	rs75360780	A	C	0.329	0.038	0.113	2.10E-18	-0.022	0.015	0.150	0.020	76.553	TRUE	1.36E-17
Overall asthma	STEAP3	cg25713625	rs838070	A	G	0.433	0.023	0.463	7.83E-78	-0.018	0.010	0.063	0.086	348.589	TRUE	2.08E-73
Overall asthma	STEAP3	cg25713625	rs838080	C	T	-0.344	0.046	0.067	7.28E-14	0.006	0.018	0.720	0.015	55.961	TRUE	1.43E-13
Overall asthma	STK25	cg08129953	rs11555263	A	G	-0.432	0.075	0.028	9.88E-09	0.070	0.033	0.036	0.009	32.847	TRUE	3.95E-08
Overall asthma	STK25	cg08129953	rs62191665	G	A	0.290	0.041	0.081	1.81E-12	0.023	0.017	0.160	0.013	49.650	TRUE	6.50E-12
Overall asthma	STK25	cg09289202	rs10190033	C	A	-0.800	0.029	0.170	1.07E-164	0.018	0.013	0.160	0.168	747.636	TRUE	9.33E-152
Overall asthma	STK25	cg09289202	rs111576119	T	C	-0.662	0.066	0.053	9.52E-24	0.044	0.018	0.014	0.027	100.877	TRUE	2.52E-22
Overall asthma	STK25	cg09289202	rs112476475	G	A	-0.712	0.098	0.016	3.39E-13	-0.001	0.036	0.990	0.014	52.940	TRUE	5.09E-13
Overall asthma	STK25	cg09289202	rs114169239	A	C	0.556	0.081	0.024	5.84E-12	-0.054	0.033	0.097	0.013	47.355	TRUE	2.42E-11
Overall asthma	STK25	cg09289202	rs115812193	C	T	-0.701	0.066	0.029	3.20E-26	-0.031	0.029	0.290	0.029	112.159	TRUE	2.87E-25
Overall asthma	STK25	cg09289202	rs116660098	A	G	0.549	0.054	0.048	5.12E-24	-0.034	0.022	0.120	0.027	102.105	TRUE	5.97E-23
Overall asthma	STK25	cg09289202	rs11674264	A	G	0.168	0.029	0.197	1.20E-08	-0.021	0.012	0.076	0.009	32.463	TRUE	3.90E-08
Overall asthma	STK25	cg09289202	rs11890117	C	T	0.216	0.024	0.385	2.38E-19	0.021	0.010	0.033	0.021	80.854	TRUE	2.97E-18
Overall asthma	STK25	cg09289202	rs12613100	G	A	0.229	0.038	0.108	1.74E-09	0.005	0.015	0.770	0.010	36.227	TRUE	2.65E-09
Overall asthma	STK25	cg09289202	rs12621047	G	A	-0.221	0.027	0.279	8.39E-17	0.021	0.011	0.057	0.018	69.278	TRUE	6.68E-16
Overall asthma	STK25	cg09289202	rs13015179	G	A	-0.174	0.031	0.187	1.09E-08	0.038	0.012	0.002	0.009	32.657	TRUE	7.57E-08
Overall asthma	STK25	cg09289202	rs139875164	A	G	-0.553	0.068	0.033	5.92E-16	0.059	0.027	0.032	0.017	65.427	TRUE	5.35E-15
Overall asthma	STK25	cg09289202	rs142730039	G	A	-0.598	0.093	0.032	1.05E-10	0.023	0.026	0.380	0.011	41.696	TRUE	2.45E-10
Overall asthma	STK25	cg09289202	rs146432363	A	T	-0.369	0.050	0.157	1.13E-13	0.012	0.014	0.380	0.015	55.101	TRUE	3.15E-13
Overall asthma	STK25	cg09289202	rs149679796	T	C	0.620	0.073	0.033	1.49E-17	-0.046	0.028	0.098	0.019	72.687	TRUE	1.03E-16
Overall asthma	STK25	cg09289202	rs149977848	A	G	-0.540	0.094	0.014	9.08E-09	0.014	0.036	0.690	0.009	33.011	TRUE	1.40E-08
Overall asthma	STK25	cg09289202	rs17440466	C	T	-0.318	0.034	0.144	3.96E-21	0.040	0.013	0.002	0.023	88.947	TRUE	1.36E-19
Overall asthma	STK25	cg09289202	rs2012385	G	A	0.737	0.023	0.345	3.09E-227	-0.041	0.010	5.70E-05	0.219	1035.160	TRUE	1.18E-201
Overall asthma	STK25	cg09289202	rs34107209	T	C	0.451	0.032	0.151	2.94E-45	-0.021	0.013	0.091	0.051	199.210	TRUE	3.84E-43
Overall asthma	STK25	cg09289202	rs4675834	T	C	0.284	0.033	0.143	1.62E-17	-0.002	0.014	0.860	0.019	72.524	TRUE	3.39E-17
Overall asthma	STK25	cg09289202	rs6705421	A	G	0.803	0.020	0.445	<1E-200	-0.029	0.010	0.002	0.299	1575.382	TRUE	3.77E-297
Overall asthma	STK25	cg09289202	rs6737057	C	T	-0.367	0.024	0.353	7.55E-52	0.028	0.010	0.005	0.058	229.405	TRUE	1.29E-48
Overall asthma	STK25	cg09289202	rs6738073	G	A	0.236	0.039	0.103	1.27E-09	0.009	0.016	0.550	0.010	36.840	TRUE	2.29E-09
Overall asthma	STK25	cg09289202	rs6747920	A	G	0.341	0.058	0.091	4.96E-09	0.005	0.017	0.790	0.009	34.186	TRUE	7.24E-09
Overall asthma	STK25	cg09289202	rs6760093	G	T	0.193	0.024	0.424	8.02E-16	-0.027	0.010	0.005	0.017	64.829	TRUE	1.15E-14
Overall asthma	STK25	cg09289202	rs73002180	C	G	-0.662	0.055	0.054	1.48E-33	0.031	0.022	0.160	0.038	145.660	TRUE	3.90E-32
Overall asthma	STK25	cg09289202	rs73014018	A	G	-0.159	0.029	0.215	2.58E-08	0.007	0.012	0.540	0.008	30.986	TRUE	4.39E-08
Overall asthma	STK25	cg09289202	rs7420166	A	G	0.230	0.027	0.243	2.85E-17	-0.008	0.011	0.490	0.019	71.405	TRUE	9.04E-17
Overall asthma	STK25	cg09289202	rs7588758	T	G	-0.679	0.029	0.178	1.84E-118	0.021	0.012	0.099	0.126	535.161	TRUE	1.66E-110
Overall asthma	STK25	cg09289202	rs75917565	T	G	-0.497	0.045	0.070	6.01E-28	0.025	0.019	0.180	0.031	120.037	TRUE	8.13E-27
Overall asthma	STK25	cg09289202	rs76020097	T	C	-0.259	0.040	0.089	8.32E-11	0.013	0.016	0.420	0.011	42.159	TRUE	1.86E-10
Overall asthma	STK25	cg09289202	rs76240021	G	A	0.387	0.058	0.042	2.60E-11	0.005	0.023	0.830	0.012	44.436	TRUE	4.07E-11
Overall asthma	STK25	cg09289202	rs77726357	C	T	0.650	0.024	0.305	2.93E-161	-0.010	0.011	0.360	0.165	731.833	TRUE	2.60E-149
Overall asthma	STK25	cg13788902	rs3771584	G	C	0.314	0.028	0.215	1.74E-28	0.038	0.012	0.001	0.032	122.489	TRUE	1.69E-26
Overall asthma	STK25	cg18149394	rs111918792	C	T	-0.567	0.043	0.073	3.86E-40	0.014	0.018	0.440	0.045	175.781	TRUE	9.51E-39
Overall asthma	STK25	cg18149394	rs2074774	T	A	-0.177	0.024	0.363	1.63E-13	0.009	0.010	0.370	0.014	54.379	TRUE	4.63E-13
Overall asthma	STK25	cg19488206	rs7618	G	A	0.300	0.029	0.212	1.29E-25	0.036	0.012	0.002	0.029	109.395	TRUE	7.28E-24

Overall asthma	STK3	cg02675173	rs10955190	C	G	-0.197	0.026	0.336	9.44E-14	-0.021	0.010	0.038	0.015	55.450	TRUE	6.36E-13
Overall asthma	STK3	cg20673075	rs11783271	T	G	0.292	0.052	0.063	1.99E-08	0.024	0.019	0.210	0.008	31.490	TRUE	4.85E-08
Overall asthma	STK3	cg20673075	rs11987297	C	T	0.435	0.034	0.160	3.97E-37	0.010	0.013	0.480	0.042	161.997	TRUE	6.80E-36
Overall asthma	STK3	cg20673075	rs146570205	T	G	-0.368	0.066	0.043	2.72E-08	-0.026	0.024	0.260	0.008	30.883	TRUE	5.96E-08
Overall asthma	STK3	cg20673075	rs1788161	A	T	0.233	0.033	0.170	7.97E-13	0.010	0.013	0.410	0.014	51.263	TRUE	1.97E-12
Overall asthma	STK3	cg20673075	rs185727840	T	C	-0.531	0.063	0.040	3.19E-17	-0.027	0.026	0.300	0.019	71.185	TRUE	1.32E-16
Overall asthma	STK3	cg20673075	rs2922073	G	T	-0.622	0.026	0.294	5.62E-125	-0.021	0.010	0.043	0.133	565.095	TRUE	5.22E-116
Overall asthma	STK3	cg20673075	rs4735563	T	C	0.475	0.080	0.027	3.20E-09	0.009	0.029	0.760	0.009	35.038	TRUE	4.84E-09
Overall asthma	STK3	cg20673075	rs549854915	C	A	-0.574	0.059	0.047	4.84E-22	0.005	0.022	0.830	0.025	93.102	TRUE	1.39E-21
Overall asthma	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	0.031	0.010	0.001	0.030	114.298	TRUE	8.27E-25
Overall asthma	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	-0.025	0.020	0.220	0.009	33.267	TRUE	1.99E-08
Overall asthma	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	0.002	0.010	0.840	0.013	49.346	TRUE	3.50E-12
Overall asthma	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	0.031	0.010	0.001	0.055	215.024	TRUE	1.74E-45
Overall asthma	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	-0.022	0.010	0.022	0.016	61.158	TRUE	4.42E-14
Overall asthma	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	0.028	0.010	0.005	0.017	63.196	TRUE	2.54E-14
Overall asthma	SYNPO2	cg03554174	rs17329882	C	A	0.257	0.028	0.231	4.45E-20	-0.011	0.011	0.330	0.022	84.166	TRUE	2.23E-19
Overall asthma	SYNPO2	cg08384155	rs7671665	G	A	0.222	0.026	0.291	8.81E-18	0.003	0.011	0.760	0.020	73.723	TRUE	2.07E-17
Overall asthma	SYNPO2	cg08774280	rs4834723	A	G	-0.142	0.025	0.333	6.56E-09	0.009	0.010	0.360	0.009	33.644	TRUE	1.39E-08
Overall asthma	SYNPO2	cg10320997	rs57021447	A	G	-0.154	0.028	0.228	2.51E-08	0.031	0.011	0.006	0.008	31.038	TRUE	1.38E-07
Overall asthma	SYNPO2	cg12973294	rs113187009	T	C	0.366	0.066	0.037	2.95E-08	0.022	0.023	0.350	0.008	30.724	TRUE	6.03E-08
Overall asthma	SYNPO2	cg12973294	rs12502164	A	G	-0.149	0.024	0.395	6.87E-10	-0.006	0.010	0.560	0.010	38.036	TRUE	1.26E-09
Overall asthma	SYNPO2	cg12973294	rs12507203	C	T	0.236	0.024	0.372	4.36E-23	0.020	0.010	0.047	0.026	97.865	TRUE	7.23E-22
Overall asthma	SYNPO2	cg12973294	rs35442382	A	G	0.206	0.028	0.237	8.87E-14	0.001	0.011	0.930	0.015	55.573	TRUE	1.44E-13
Overall asthma	SYNPO2	cg12973294	rs62327805	A	C	-0.335	0.041	0.106	1.64E-16	-0.023	0.016	0.150	0.018	67.961	TRUE	8.78E-16
Overall asthma	SYNPO2	cg12973294	rs6826016	T	G	0.258	0.024	0.404	4.92E-27	-0.001	0.010	0.900	0.030	115.868	TRUE	1.83E-26
Overall asthma	SYNPO2	cg12973294	rs71608346	A	G	0.413	0.045	0.075	1.91E-20	0.025	0.018	0.160	0.023	85.838	TRUE	1.39E-19
Overall asthma	SYNPO2	cg12973294	rs7689541	A	G	0.153	0.024	0.381	3.06E-10	-0.009	0.010	0.350	0.011	39.617	TRUE	7.10E-10
Overall asthma	SYNPO2	cg12973294	rs78448537	A	G	1.232	0.055	0.045	1.89E-109	0.047	0.023	0.044	0.118	493.764	TRUE	3.97E-102
Overall asthma	SYNPO2	cg14717666	rs113187009	T	C	0.542	0.066	0.037	1.93E-16	0.022	0.023	0.350	0.018	67.631	TRUE	7.08E-16
Overall asthma	SYNPO2	cg14717666	rs11726993	G	C	0.225	0.034	0.136	3.07E-11	0.014	0.014	0.310	0.012	44.106	TRUE	7.96E-11
Overall asthma	SYNPO2	cg14717666	rs12506322	A	G	0.422	0.033	0.145	3.53E-38	-0.008	0.014	0.540	0.043	166.802	TRUE	5.68E-37
Overall asthma	SYNPO2	cg14717666	rs17636128	G	T	-0.170	0.027	0.254	1.94E-10	-0.007	0.011	0.540	0.011	40.505	TRUE	3.76E-10
Overall asthma	SYNPO2	cg14717666	rs1993609	A	T	0.191	0.025	0.314	3.43E-14	-0.007	0.010	0.480	0.015	57.439	TRUE	9.12E-14
Overall asthma	SYNPO2	cg14717666	rs2175971	G	C	0.183	0.024	0.348	7.12E-14	-0.013	0.010	0.180	0.015	56.003	TRUE	2.76E-13
Overall asthma	SYNPO2	cg14717666	rs28706123	G	A	-0.221	0.024	0.493	6.61E-21	-0.016	0.010	0.088	0.023	87.935	TRUE	6.39E-20
Overall asthma	SYNPO2	cg14717666	rs34114839	T	C	-0.226	0.025	0.346	5.54E-20	-0.010	0.010	0.320	0.022	83.730	TRUE	2.76E-19
Overall asthma	SYNPO2	cg14717666	rs35553303	T	A	0.512	0.043	0.079	1.17E-32	0.018	0.017	0.300	0.037	141.549	TRUE	1.90E-31
Overall asthma	SYNPO2	cg14717666	rs58527730	T	G	1.637	0.054	0.045	1.17E-204	0.042	0.023	0.073	0.201	931.341	TRUE	1.48E-185
Overall asthma	SYNPO2	cg14717666	rs62321220	G	C	-0.176	0.029	0.211	1.11E-09	0.016	0.012	0.170	0.010	37.099	TRUE	3.13E-09
Overall asthma	SYNPO2	cg14717666	rs62327793	T	C	-0.684	0.053	0.052	7.55E-38	-0.005	0.021	0.800	0.043	165.291	TRUE	7.73E-37
Overall asthma	SYNPO2	cg14717666	rs6854328	T	C	-0.168	0.027	0.260	4.46E-10	-0.004	0.011	0.740	0.010	38.879	TRUE	7.06E-10
Overall asthma	SYNPO2	cg14717666	rs72682809	T	C	0.405	0.058	0.041	2.86E-12	0.017	0.023	0.460	0.013	48.757	TRUE	6.70E-12

Overall asthma	SYNPO2	cg14717666	rs74538554	G	C	0.196	0.025	0.352	1.99E-15	0.020	0.010	0.053	0.017	63.039	TRUE	1.48E-14
Overall asthma	SYNPO2	cg14717666	rs7656160	C	A	0.201	0.033	0.149	1.40E-09	0.013	0.013	0.330	0.010	36.648	TRUE	3.22E-09
Overall asthma	SYNPO2	cg17200999	rs1846	A	G	-0.134	0.024	0.414	2.88E-08	-0.011	0.010	0.240	0.008	30.771	TRUE	6.52E-08
Overall asthma	TBXAS1	cg00445997	rs1860509	G	T	-0.270	0.030	0.184	1.01E-19	-0.009	0.012	0.480	0.022	82.541	TRUE	3.87E-19
Overall asthma	TBXAS1	cg26407309	rs2058265	T	G	-0.274	0.030	0.184	4.20E-20	-0.010	0.012	0.420	0.022	84.277	TRUE	1.80E-19
Overall asthma	TCIRG1	cg01845451	rs12417937	C	T	0.334	0.047	0.067	1.48E-12	0.031	0.019	0.110	0.013	50.053	TRUE	6.42E-12
Overall asthma	TCIRG1	cg01845451	rs188948613	A	G	0.574	0.099	0.028	6.26E-09	-0.069	0.031	0.027	0.009	33.734	TRUE	2.71E-08
Overall asthma	TCIRG1	cg01845451	rs308306	A	G	0.265	0.027	0.260	4.37E-23	0.019	0.011	0.084	0.026	97.860	TRUE	5.52E-22
Overall asthma	TCIRG1	cg01845451	rs3133269	C	T	0.957	0.022	0.280	<1E-200	-0.008	0.011	0.490	0.339	1896.170	TRUE	<1E-200
Overall asthma	TCIRG1	cg01845451	rs4071997	A	G	-0.278	0.030	0.200	7.80E-21	0.024	0.012	0.050	0.023	87.605	TRUE	1.01E-19
Overall asthma	TCIRG1	cg01845451	rs546538746	T	G	0.836	0.087	0.019	5.37E-22	-0.048	0.033	0.140	0.024	92.896	TRUE	4.76E-21
Overall asthma	TCIRG1	cg01845451	rs6591335	T	C	0.284	0.024	0.403	2.97E-32	-0.009	0.010	0.380	0.036	139.706	TRUE	3.82E-31
Overall asthma	TCIRG1	cg01845451	rs7116924	C	T	-0.438	0.029	0.197	7.02E-52	-0.010	0.012	0.380	0.058	229.549	TRUE	7.14E-50
Overall asthma	TCIRG1	cg01845451	rs72926467	T	C	0.833	0.065	0.030	5.09E-38	0.034	0.026	0.200	0.043	166.076	TRUE	1.92E-36
Overall asthma	TCIRG1	cg01845451	rs74590624	T	C	0.206	0.034	0.142	9.15E-10	-0.007	0.013	0.610	0.010	37.478	TRUE	1.60E-09
Overall asthma	TCIRG1	cg01845451	rs9667430	T	A	-0.178	0.027	0.273	1.86E-11	0.003	0.011	0.780	0.012	45.084	TRUE	3.07E-11
Overall asthma	TCIRG1	cg02387701	rs11228173	T	C	0.219	0.038	0.105	6.70E-09	-0.013	0.015	0.400	0.009	33.602	TRUE	1.36E-08
Overall asthma	TCIRG1	cg02387701	rs3808974	G	A	0.350	0.026	0.255	6.84E-40	-0.015	0.011	0.170	0.045	174.641	TRUE	3.41E-38
Overall asthma	TCIRG1	cg06279471	rs11228147	A	C	-0.350	0.039	0.100	2.87E-19	-0.014	0.016	0.380	0.021	80.484	TRUE	1.21E-18
Overall asthma	TCIRG1	cg06279471	rs149720654	A	G	-0.325	0.057	0.046	9.74E-09	-0.053	0.022	0.019	0.009	32.874	TRUE	4.55E-08
Overall asthma	TCIRG1	cg06279471	rs3808969	G	A	-0.186	0.031	0.183	1.33E-09	0.010	0.012	0.420	0.010	36.754	TRUE	2.77E-09
Overall asthma	TCIRG1	cg06279471	rs71459684	G	T	0.489	0.056	0.049	2.29E-18	0.053	0.021	0.014	0.020	76.385	TRUE	3.51E-17
Overall asthma	TCIRG1	cg06279471	rs77155493	A	G	0.254	0.040	0.098	2.79E-10	-0.005	0.016	0.740	0.011	39.798	TRUE	4.49E-10
Overall asthma	TCIRG1	cg06279471	rs884826	G	A	-0.532	0.023	0.476	4.77E-120	-0.013	0.010	0.180	0.128	542.450	TRUE	2.67E-112
Overall asthma	TCIRG1	cg06279471	rs999571	A	G	-0.350	0.038	0.103	1.72E-20	0.005	0.015	0.730	0.023	86.040	TRUE	4.99E-20
Overall asthma	TCIRG1	cg08162803	rs71459684	G	T	0.530	0.056	0.049	2.45E-21	0.053	0.021	0.014	0.024	89.894	TRUE	5.30E-20
Overall asthma	TCIRG1	cg08162803	rs884826	G	A	-0.291	0.023	0.476	2.00E-35	-0.013	0.010	0.180	0.040	154.205	TRUE	6.03E-34
Overall asthma	TCIRG1	cg08801887	rs10896289	A	C	0.198	0.031	0.168	1.11E-10	-0.008	0.012	0.520	0.011	41.589	TRUE	2.25E-10
Overall asthma	TCIRG1	cg08932343	rs2511437	C	A	0.226	0.023	0.408	5.87E-22	-0.017	0.010	0.074	0.024	92.719	TRUE	6.80E-21
Overall asthma	TCIRG1	cg11731626	rs71459684	G	T	0.406	0.056	0.049	3.82E-13	0.053	0.021	0.014	0.014	52.703	TRUE	3.23E-12
Overall asthma	TCIRG1	cg11731626	rs884826	G	A	-0.144	0.024	0.476	1.00E-09	-0.013	0.010	0.180	0.010	37.298	TRUE	2.87E-09
Overall asthma	TCIRG1	cg18456140	rs11228093	T	G	-0.169	0.029	0.196	7.09E-09	-0.006	0.012	0.620	0.009	33.493	TRUE	1.17E-08
Overall asthma	TCIRG1	cg18456140	rs3808973	T	C	-1.257	0.065	0.029	3.06E-84	-0.013	0.027	0.640	0.093	378.002	TRUE	2.08E-80
Overall asthma	TCIRG1	cg20865778	rs10750830	C	T	0.143	0.024	0.415	1.89E-09	-0.004	0.010	0.700	0.010	36.060	TRUE	3.02E-09
Overall asthma	TCIRG1	cg20865778	rs11228038	C	T	0.226	0.041	0.193	2.44E-08	-0.003	0.012	0.820	0.008	31.091	TRUE	3.41E-08
Overall asthma	TCIRG1	cg20865778	rs11228147	A	C	0.449	0.039	0.100	9.97E-31	-0.014	0.016	0.380	0.035	132.734	TRUE	1.10E-29
Overall asthma	TCIRG1	cg20865778	rs11481	T	A	0.232	0.025	0.354	8.99E-21	-0.016	0.010	0.130	0.023	87.326	TRUE	8.10E-20
Overall asthma	TCIRG1	cg20865778	rs11600312	A	G	0.223	0.040	0.088	1.74E-08	0.001	0.016	0.950	0.009	31.750	TRUE	2.22E-08
Overall asthma	TCIRG1	cg20865778	rs4071997	A	G	-0.198	0.030	0.200	2.93E-11	0.024	0.012	0.050	0.012	44.197	TRUE	1.43E-10
Overall asthma	TCIRG1	cg20865778	rs4147779	G	A	-0.192	0.027	0.260	1.11E-12	-0.005	0.011	0.690	0.013	50.604	TRUE	2.14E-12
Overall asthma	TCIRG1	cg20865778	rs538038638	A	C	0.709	0.090	0.017	3.04E-15	-0.002	0.034	0.940	0.017	62.210	TRUE	5.21E-15
Overall asthma	TCIRG1	cg20865778	rs79557925	A	G	0.863	0.030	0.168	1.21E-187	-0.008	0.012	0.520	0.187	853.121	TRUE	1.99E-172

Overall asthma	TCIRG1	cg21049762	rs3763942	G	A	0.177	0.031	0.169	1.26E-08	0.021	0.013	0.110	0.009	32.376	TRUE	3.78E-08
Overall asthma	TCIRG1	cg21049762	rs4147780	G	A	0.228	0.023	0.476	6.74E-23	-0.013	0.010	0.190	0.026	97.004	TRUE	5.91E-22
Overall asthma	TCIRG1	cg21165137	rs11228173	T	C	0.252	0.038	0.105	2.79E-11	-0.013	0.015	0.400	0.012	44.294	TRUE	6.66E-11
Overall asthma	TCIRG1	cg21165137	rs11481	T	A	0.210	0.025	0.354	2.25E-17	-0.016	0.010	0.130	0.019	71.877	TRUE	1.48E-16
Overall asthma	TCIRG1	cg21165137	rs12803743	C	T	-0.168	0.030	0.188	3.03E-08	0.020	0.012	0.100	0.008	30.669	TRUE	9.03E-08
Overall asthma	TCIRG1	cg21165137	rs3808974	G	A	0.468	0.026	0.255	1.67E-70	-0.015	0.011	0.170	0.078	314.949	TRUE	5.44E-67
Overall asthma	TCIRG1	cg21165137	rs538038638	A	C	0.537	0.090	0.017	2.08E-09	-0.002	0.034	0.940	0.010	35.874	TRUE	2.77E-09
Overall asthma	TCIRG1	cg23334365	rs11228145	G	T	-0.150	0.023	0.437	1.13E-10	-0.018	0.010	0.064	0.011	41.558	TRUE	4.75E-10
Overall asthma	TCIRG1	cg23334365	rs122213	T	C	0.314	0.056	0.049	1.64E-08	0.049	0.022	0.027	0.009	31.862	TRUE	6.76E-08
Overall asthma	TCIRG1	cg26921533	rs2075609	G	A	0.278	0.026	0.268	1.09E-26	-0.015	0.011	0.150	0.030	114.292	TRUE	1.37E-25
Overall asthma	TERT	cg00624418	rs7725218	A	G	-0.142	0.024	0.352	5.16E-09	0.004	0.010	0.680	0.009	34.109	TRUE	8.18E-09
Overall asthma	TERT	cg00728907	rs4449583	T	C	-0.136	0.024	0.340	2.31E-08	0.009	0.010	0.390	0.008	31.197	TRUE	4.54E-08
Overall asthma	TERT	cg06817802	rs12332579	C	T	0.186	0.031	0.172	2.82E-09	0.015	0.013	0.240	0.009	35.287	TRUE	6.92E-09
Overall asthma	TERT	cg06817802	rs545891760	C	G	-0.565	0.091	0.014	6.16E-10	0.001	0.036	0.970	0.010	38.248	TRUE	8.16E-10
Overall asthma	TERT	cg07380026	rs2736102	T	C	0.217	0.025	0.343	1.80E-18	0.024	0.010	0.016	0.020	76.857	TRUE	2.53E-17
Overall asthma	TERT	cg07380026	rs2853672	A	C	0.139	0.024	0.496	6.99E-09	0.006	0.010	0.550	0.009	33.519	TRUE	1.22E-08
Overall asthma	TERT	cg11666982	rs4975616	G	A	0.132	0.023	0.422	1.85E-08	0.029	0.010	0.003	0.008	31.627	TRUE	1.15E-07
Overall asthma	TERT	cg13924604	rs4449583	T	C	-0.160	0.024	0.340	5.07E-11	0.009	0.010	0.390	0.012	43.128	TRUE	1.19E-10
Overall asthma	TERT	cg17166338	rs2736102	T	C	0.167	0.025	0.343	1.43E-11	0.024	0.010	0.016	0.012	45.604	TRUE	9.27E-11
Overall asthma	TERT	cg25518571	rs62332583	T	C	-0.776	0.118	0.013	4.49E-11	-0.022	0.039	0.580	0.012	43.365	TRUE	8.72E-11
Overall asthma	TERT	cg25518571	rs7725218	A	G	-0.259	0.024	0.352	8.91E-27	0.004	0.010	0.680	0.030	114.691	TRUE	4.31E-26
Overall asthma	TERT	cg26006951	rs37002	T	C	0.131	0.023	0.488	1.65E-08	0.022	0.010	0.021	0.009	31.853	TRUE	7.03E-08
Overall asthma	TERT	cg27298526	rs10866501	A	G	0.145	0.024	0.467	9.19E-10	0.009	0.010	0.350	0.010	37.469	TRUE	2.06E-09
Overall asthma	TERT	cg27298526	rs11133695	G	C	0.410	0.038	0.101	1.03E-26	0.009	0.016	0.580	0.030	114.410	TRUE	5.66E-26
Overall asthma	TERT	cg27298526	rs13170453	G	A	-0.196	0.029	0.213	9.62E-12	0.028	0.011	0.013	0.012	46.380	TRUE	6.98E-11
Overall asthma	TERT	cg27298526	rs13190087	C	A	0.618	0.064	0.041	2.88E-22	-0.006	0.025	0.830	0.025	94.133	TRUE	8.39E-22
Overall asthma	TERT	cg27298526	rs2853676	T	C	-0.170	0.026	0.269	1.04E-10	0.004	0.011	0.740	0.011	41.725	TRUE	1.71E-10
Overall asthma	TERT	cg27298526	rs2853685	G	A	-0.154	0.028	0.280	4.20E-08	0.024	0.011	0.022	0.008	30.040	TRUE	1.61E-07
Overall asthma	TFRC	cg03462622	rs13098628	G	T	0.212	0.025	0.322	1.43E-17	0.009	0.010	0.390	0.019	72.769	TRUE	5.39E-17
Overall asthma	TFRC	cg03462622	rs406271	C	T	-0.543	0.024	0.288	3.86E-109	-0.027	0.010	0.008	0.117	492.344	TRUE	2.90E-101
Overall asthma	TFRC	cg03462622	rs4927870	A	C	-0.267	0.038	0.096	1.72E-12	-0.025	0.015	0.097	0.013	49.747	TRUE	7.64E-12
Overall asthma	TFRC	cg03462622	rs62408947	A	G	-0.296	0.043	0.077	4.63E-12	0.004	0.018	0.810	0.013	47.813	TRUE	7.64E-12
Overall asthma	TFRC	cg03462622	rs6782834	G	A	0.172	0.024	0.344	2.22E-12	0.024	0.010	0.019	0.013	49.252	TRUE	1.58E-11
Overall asthma	TFRC	cg16311045	rs112577972	G	T	-0.203	0.023	0.430	2.60E-18	0.011	0.010	0.260	0.020	76.132	TRUE	1.27E-17
Overall asthma	TGFB1	cg15735736	rs111840944	A	G	0.266	0.045	0.075	3.88E-09	-0.039	0.018	0.029	0.009	34.665	TRUE	1.66E-08
Overall asthma	TGFB1	cg20748073	rs16958999	G	A	0.317	0.031	0.159	6.42E-24	0.013	0.013	0.320	0.027	101.657	TRUE	4.41E-23
Overall asthma	TGFBR1	cg13431688	rs10988713	T	C	-0.829	0.137	0.014	1.53E-09	0.011	0.041	0.800	0.010	36.471	TRUE	2.30E-09
Overall asthma	TGFBR1	cg13431688	rs10988846	A	G	0.218	0.024	0.386	3.54E-19	0.012	0.010	0.210	0.021	80.069	TRUE	2.00E-18
Overall asthma	TGFBR1	cg13431688	rs1147312	A	C	0.202	0.032	0.159	4.50E-10	-0.001	0.013	0.960	0.010	38.862	TRUE	6.08E-10
Overall asthma	TGFBR1	cg13431688	rs118096318	T	G	-0.864	0.092	0.034	4.10E-21	0.065	0.030	0.031	0.023	88.878	TRUE	6.30E-20
Overall asthma	TGFBR1	cg13431688	rs1418268	C	T	0.249	0.043	0.080	8.66E-09	-0.023	0.018	0.190	0.009	33.103	TRUE	2.19E-08
Overall asthma	TGFBR1	cg13431688	rs146975998	C	G	-0.576	0.084	0.020	6.58E-12	0.084	0.035	0.015	0.013	47.124	TRUE	4.43E-11

Overall asthma	TGFBR1	cg13431688	rs148968718	A	G	-0.852	0.114	0.010	7.85E-14	-0.002	0.044	0.970	0.015	55.813	TRUE	1.23E-13
Overall asthma	TGFBR1	cg13431688	rs17794536	A	G	-0.375	0.043	0.085	3.98E-18	-0.003	0.016	0.840	0.020	75.292	TRUE	8.89E-18
Overall asthma	TGFBR1	cg13431688	rs2416666	A	G	-0.382	0.032	0.148	4.78E-32	0.016	0.014	0.250	0.036	138.761	TRUE	8.00E-31
Overall asthma	TGFBR1	cg13431688	rs576260157	T	C	-1.091	0.148	0.016	1.97E-13	0.038	0.042	0.360	0.014	54.007	TRUE	5.58E-13
Overall asthma	TGFBR1	cg13431688	rs701375	T	C	-0.746	0.066	0.062	1.28E-29	0.009	0.019	0.640	0.033	127.674	TRUE	8.27E-29
Overall asthma	TGFBR1	cg13431688	rs7034716	T	C	-0.949	0.020	0.285	<1E-200	0.015	0.010	0.160	0.368	2155.262	TRUE	<1E-200
Overall asthma	TGFBR1	cg13431688	rs7036164	A	G	0.277	0.034	0.298	5.43E-16	-0.015	0.010	0.160	0.017	65.600	TRUE	2.92E-15
Overall asthma	TGFBR1	cg13608979	rs367568	C	G	0.392	0.028	0.212	6.88E-44	0.028	0.012	0.015	0.050	192.942	TRUE	1.92E-41
Overall asthma	TGFBR1	cg13827209	rs7042852	A	T	-0.240	0.026	0.262	9.14E-20	0.029	0.011	0.008	0.022	82.741	TRUE	1.81E-18
Overall asthma	TGFBR1	cg14426785	rs10733708	A	G	0.188	0.026	0.285	2.54E-13	0.015	0.011	0.150	0.014	53.503	TRUE	9.85E-13
Overall asthma	TMBIM6	cg20471783	rs11169106	C	T	0.950	0.037	0.100	7.36E-145	-0.040	0.016	0.012	0.151	656.463	TRUE	3.18E-133
Overall asthma	TMBIM6	cg20471783	rs12312614	T	G	0.819	0.124	0.011	3.75E-11	0.049	0.049	0.330	0.012	43.715	TRUE	9.65E-11
Overall asthma	TMBIM6	cg20471783	rs147224174	C	T	0.876	0.100	0.013	1.42E-18	-0.021	0.039	0.590	0.020	77.326	TRUE	4.30E-18
Overall asthma	TMBIM6	cg20471783	rs151154524	A	G	0.602	0.061	0.036	4.36E-23	-0.042	0.025	0.098	0.026	97.864	TRUE	5.28E-22
Overall asthma	TMBIM6	cg20471783	rs2270741	T	G	0.538	0.089	0.023	1.38E-09	-0.027	0.032	0.400	0.010	36.680	TRUE	2.90E-09
Overall asthma	TMBIM6	cg20471783	rs55776396	C	A	0.421	0.074	0.030	1.08E-08	-0.035	0.029	0.220	0.009	32.677	TRUE	2.61E-08
Overall asthma	TMBIM6	cg20471783	rs76907016	A	C	0.177	0.027	0.244	1.12E-10	-0.013	0.011	0.260	0.011	41.577	TRUE	3.12E-10
Overall asthma	TMBIM6	cg20471783	rs7978705	C	T	-0.155	0.024	0.487	6.43E-11	0.014	0.010	0.160	0.011	42.661	TRUE	2.11E-10
Overall asthma	TMEM106B	cg09613507	rs10243807	C	T	0.233	0.028	0.219	5.97E-17	-0.010	0.011	0.370	0.019	69.949	TRUE	2.19E-16
Overall asthma	TMEM106B	cg09613507	rs10258717	G	A	-0.198	0.024	0.452	6.41E-17	0.011	0.010	0.250	0.019	69.808	TRUE	2.83E-16
Overall asthma	TMEM106B	cg09613507	rs13233159	G	C	0.136	0.025	0.349	4.32E-08	-0.007	0.010	0.470	0.008	29.982	TRUE	7.75E-08
Overall asthma	TMEM106B	cg09613507	rs13237543	C	T	-0.260	0.041	0.093	1.55E-10	-0.001	0.016	0.970	0.011	40.940	TRUE	2.11E-10
Overall asthma	TMEM106B	cg09613507	rs1435532	C	T	0.245	0.027	0.247	5.82E-20	0.005	0.011	0.670	0.022	83.634	TRUE	1.76E-19
Overall asthma	TMEM106B	cg09613507	rs144802091	G	T	-0.301	0.046	0.071	7.82E-11	0.000	0.019	0.980	0.011	42.279	TRUE	1.07E-10
Overall asthma	TMEM106B	cg09613507	rs2160268	T	A	-0.389	0.067	0.033	5.42E-09	0.057	0.028	0.044	0.009	34.015	TRUE	2.12E-08
Overall asthma	TMEM106B	cg09613507	rs34333793	C	T	-0.288	0.032	0.163	1.68E-19	0.009	0.013	0.490	0.022	81.540	TRUE	6.15E-19
Overall asthma	TMEM106B	cg09613507	rs5011437	T	A	-0.542	0.023	0.412	1.78E-123	0.025	0.010	0.010	0.131	558.202	TRUE	3.41E-114
Overall asthma	TMEM106B	cg09613507	rs62433210	G	A	-0.253	0.035	0.124	1.06E-12	0.024	0.014	0.087	0.014	50.710	TRUE	4.92E-12
Overall asthma	TMEM106B	cg09613507	rs6963473	G	A	0.158	0.024	0.355	6.64E-11	-0.010	0.010	0.340	0.011	42.599	TRUE	1.63E-10
Overall asthma	TMEM106B	cg09613507	rs77409687	C	G	-0.282	0.042	0.088	1.03E-11	0.046	0.017	0.007	0.012	46.253	TRUE	8.22E-11
Overall asthma	TMEM106B	cg09613507	rs78272937	A	G	0.239	0.036	0.123	2.38E-11	-0.002	0.015	0.910	0.012	44.606	TRUE	3.50E-11
Overall asthma	TMEM106B	cg09613507	rs847912	G	T	0.160	0.028	0.212	1.56E-08	-0.008	0.012	0.490	0.009	31.956	TRUE	2.78E-08
Overall asthma	TNF	cg02137984	rs1475865	T	C	-0.158	0.026	0.276	1.75E-09	-0.048	0.011	4.70E-06	0.010	36.214	TRUE	2.65E-08
Overall asthma	TNF	cg02137984	rs2844512	C	G	-0.133	0.024	0.392	3.73E-08	-0.046	0.010	2.30E-06	0.008	30.269	TRUE	5.29E-07
Overall asthma	TNF	cg10717214	rs3130283	A	C	-0.199	0.032	0.161	4.28E-10	-0.068	0.013	3.90E-07	0.010	38.959	TRUE	1.18E-08
Overall asthma	TNF	cg11484872	rs1041981	A	C	0.139	0.024	0.360	1.48E-08	0.041	0.010	2.80E-05	0.009	32.066	TRUE	1.67E-07
Overall asthma	TNF	cg21222743	rs2857600	T	C	-0.221	0.033	0.144	1.74E-11	-0.069	0.013	2.30E-07	0.012	45.219	TRUE	6.72E-10
Overall asthma	TNF	cg21222743	rs9405084	T	C	0.148	0.026	0.323	6.52E-09	-0.022	0.010	0.030	0.009	33.653	TRUE	2.78E-08
Overall asthma	TNF	cg27531490	rs1055890	G	A	-0.184	0.025	0.356	9.19E-14	0.011	0.010	0.270	0.015	55.503	TRUE	3.09E-13
Overall asthma	TNF	cg27531490	rs113428559	C	G	-0.897	0.080	0.021	2.05E-29	-0.083	0.033	0.011	0.033	126.738	TRUE	1.13E-27
Overall asthma	TNF	cg27531490	rs114733011	A	G	0.667	0.073	0.023	8.64E-20	-0.023	0.030	0.430	0.022	82.853	TRUE	3.46E-19
Overall asthma	TNF	cg27531490	rs116329723	G	T	0.729	0.104	0.015	2.61E-12	-0.082	0.041	0.047	0.013	48.933	TRUE	1.42E-11

Overall asthma	TNF	cg27531490	rs1265075	A	C	0.299	0.047	0.074	1.62E-10	0.020	0.018	0.260	0.011	40.851	TRUE	4.28E-10
Overall asthma	TNF	cg27531490	rs138039007	C	T	0.660	0.086	0.022	2.42E-14	0.096	0.032	0.002	0.015	58.123	TRUE	3.29E-13
Overall asthma	TNF	cg27531490	rs17190638	C	T	-0.732	0.061	0.039	3.29E-33	-0.035	0.028	0.210	0.037	144.076	TRUE	6.97E-32
Overall asthma	TNF	cg27531490	rs184227609	C	A	-0.763	0.072	0.027	2.79E-26	-0.016	0.031	0.620	0.029	112.432	TRUE	1.44E-25
Overall asthma	TNF	cg27531490	rs2240063	T	C	-0.171	0.024	0.448	4.30E-13	-0.015	0.010	0.120	0.014	52.473	TRUE	1.89E-12
Overall asthma	TNF	cg27531490	rs2844470	T	A	-0.691	0.048	0.071	8.19E-48	-0.003	0.019	0.890	0.054	210.916	TRUE	1.96E-46
Overall asthma	TNF	cg27531490	rs3128984	G	A	0.425	0.051	0.062	5.78E-17	0.078	0.019	5.40E-05	0.019	70.012	TRUE	2.58E-15
Overall asthma	TNF	cg27531490	rs41543814	T	C	0.143	0.024	0.417	2.12E-09	0.034	0.010	3.30E-04	0.010	35.836	TRUE	2.06E-08
Overall asthma	TNF	cg27531490	rs55777621	A	G	0.412	0.062	0.038	2.81E-11	-0.005	0.026	0.840	0.012	44.282	TRUE	4.38E-11
Overall asthma	TNF	cg27531490	rs6927870	G	A	-0.245	0.027	0.240	1.80E-19	-0.049	0.011	9.10E-06	0.022	81.400	TRUE	1.57E-17
Overall asthma	TNF	cg27531490	rs75622849	T	C	-0.484	0.082	0.023	4.54E-09	-0.025	0.036	0.490	0.009	34.358	TRUE	8.48E-09
Overall asthma	TNF	cg27531490	rs7776032	C	T	-0.145	0.026	0.305	2.27E-08	-0.058	0.011	4.70E-08	0.008	31.233	TRUE	4.39E-07
Overall asthma	TNF	cg27531490	rs805825	A	G	-0.183	0.024	0.445	1.83E-14	0.016	0.010	0.094	0.016	58.680	TRUE	9.69E-14
Overall asthma	TNF	cg27531490	rs9405084	T	C	0.255	0.025	0.323	1.06E-23	-0.022	0.010	0.030	0.026	100.672	TRUE	2.21E-22
Overall asthma	TOMM7	cg03711348	rs10950920	C	A	0.148	0.026	0.285	1.55E-08	0.002	0.011	0.820	0.009	31.971	TRUE	2.16E-08
Overall asthma	TOMM7	cg11367502	rs10226018	G	A	-0.207	0.024	0.422	2.27E-18	-0.006	0.010	0.550	0.020	76.401	TRUE	7.16E-18
Overall asthma	TOMM7	cg11367502	rs10237131	C	T	0.235	0.023	0.445	1.15E-23	-0.001	0.010	0.910	0.026	100.510	TRUE	3.32E-23
Overall asthma	TOMM7	cg11367502	rs10277261	C	T	0.210	0.025	0.329	3.28E-17	0.005	0.010	0.620	0.019	71.129	TRUE	8.89E-17
Overall asthma	TOMM7	cg11367502	rs66540642	G	A	1.169	0.048	0.062	5.47E-133	0.046	0.019	0.018	0.140	601.910	TRUE	7.97E-123
Overall asthma	TOMM7	cg11367502	rs7782981	T	C	0.159	0.027	0.260	3.32E-09	0.007	0.011	0.550	0.009	34.970	TRUE	5.88E-09
Overall asthma	TOMM7	cg13679077	rs66540642	G	A	0.892	0.049	0.062	2.39E-75	0.046	0.019	0.018	0.084	337.183	TRUE	1.04E-70
Overall asthma	TOMM7	cg13679077	rs6973118	G	A	-0.192	0.023	0.485	1.02E-16	-0.011	0.010	0.240	0.018	68.899	TRUE	4.41E-16
Overall asthma	TOMM7	cg14448850	rs2240728	T	C	-0.188	0.025	0.303	6.73E-14	0.000	0.010	1.000	0.015	56.115	TRUE	1.03E-13
Overall asthma	TP53INP2	cg00820065	rs6058108	G	A	-0.300	0.024	0.400	1.40E-36	0.025	0.010	0.012	0.041	159.486	TRUE	2.03E-34
Overall asthma	TP53INP2	cg00820065	rs7265992	A	G	0.187	0.030	0.170	4.76E-10	-0.005	0.012	0.720	0.010	38.752	TRUE	7.79E-10
Overall asthma	TP53INP2	cg00876694	rs4911442	G	A	0.197	0.033	0.132	3.33E-09	-0.002	0.014	0.860	0.009	34.959	TRUE	4.65E-09
Overall asthma	TP53INP2	cg00876694	rs6088618	A	G	-0.179	0.024	0.445	9.15E-14	0.024	0.010	0.014	0.015	55.511	TRUE	8.16E-13
Overall asthma	TP53INP2	cg04270048	rs13037664	T	C	0.501	0.029	0.183	3.14E-68	-0.006	0.012	0.630	0.076	304.519	TRUE	1.69E-65
Overall asthma	TP53INP2	cg04270048	rs4911363	G	A	0.136	0.024	0.355	2.45E-08	-0.016	0.010	0.110	0.008	31.082	TRUE	7.11E-08
Overall asthma	TP53INP2	cg04270048	rs6058179	A	G	0.169	0.025	0.308	1.36E-11	0.006	0.010	0.560	0.012	45.694	TRUE	2.80E-11
Overall asthma	TP53INP2	cg04270048	rs6088372	T	C	0.275	0.032	0.137	5.76E-18	-0.039	0.013	0.002	0.020	74.562	TRUE	1.24E-16
Overall asthma	TP53INP2	cg06115741	rs13044031	C	A	0.413	0.051	0.055	4.96E-16	0.009	0.021	0.670	0.017	65.777	TRUE	1.17E-15
Overall asthma	TP53INP2	cg06115741	rs143384	G	A	0.181	0.024	0.401	3.32E-14	0.007	0.010	0.480	0.015	57.505	TRUE	8.64E-14
Overall asthma	TP53INP2	cg06115741	rs146582515	G	T	0.466	0.084	0.019	2.62E-08	0.004	0.034	0.900	0.008	30.956	TRUE	3.44E-08
Overall asthma	TP53INP2	cg06115741	rs147642147	T	C	0.413	0.049	0.073	5.22E-17	0.008	0.018	0.680	0.019	70.215	TRUE	1.30E-16
Overall asthma	TP53INP2	cg06115741	rs17092209	G	A	-0.314	0.037	0.124	1.43E-17	-0.001	0.014	0.960	0.019	72.761	TRUE	2.74E-17
Overall asthma	TP53INP2	cg06115741	rs17309872	T	A	-0.356	0.050	0.059	1.03E-12	-0.006	0.020	0.780	0.014	50.757	TRUE	1.81E-12
Overall asthma	TP53INP2	cg06115741	rs2069946	C	T	0.365	0.060	0.041	1.06E-09	-0.013	0.023	0.560	0.010	37.195	TRUE	1.90E-09
Overall asthma	TP53INP2	cg06115741	rs2425020	T	C	-0.328	0.043	0.269	1.13E-14	-0.011	0.011	0.320	0.016	59.621	TRUE	3.76E-14
Overall asthma	TP53INP2	cg06115741	rs6058179	A	G	0.197	0.025	0.308	3.35E-15	0.006	0.010	0.560	0.016	62.017	TRUE	8.56E-15
Overall asthma	TP53INP2	cg06115741	rs6059575	C	T	0.267	0.023	0.477	1.27E-30	0.024	0.010	0.013	0.035	132.252	TRUE	8.00E-29
Overall asthma	TP53INP2	cg06115741	rs6060017	C	A	-0.344	0.030	0.172	3.47E-31	-0.004	0.012	0.760	0.035	134.829	TRUE	2.15E-30

Overall asthma	TP53INP2	cg06115741	rs6088776	C	T	0.288	0.034	0.139	1.08E-17	0.039	0.014	0.004	0.019	73.320	TRUE	1.90E-16
Overall asthma	TP53INP2	cg06115741	rs681147	A	T	0.287	0.034	0.144	4.58E-17	0.008	0.013	0.550	0.019	70.470	TRUE	1.34E-16
Overall asthma	TP53INP2	cg06115741	rs7267042	A	C	0.186	0.028	0.229	6.21E-11	0.006	0.011	0.620	0.011	42.731	TRUE	1.16E-10
Overall asthma	TP53INP2	cg06115741	rs73095129	A	G	0.462	0.061	0.038	3.87E-14	0.018	0.026	0.470	0.015	57.201	TRUE	9.91E-14
Overall asthma	TP53INP2	cg06115741	rs910869	T	C	0.676	0.023	0.398	1.77E-196	0.025	0.010	0.010	0.195	893.743	TRUE	1.00E-177
Overall asthma	TP53INP2	cg16810054	rs17310782	T	C	0.164	0.025	0.294	1.03E-10	0.009	0.010	0.390	0.011	41.750	TRUE	2.39E-10
Overall asthma	TP53INP2	cg16810054	rs2424998	A	G	0.426	0.030	0.171	2.59E-47	-0.003	0.012	0.780	0.053	208.625	TRUE	7.18E-46
Overall asthma	TP53INP2	cg16810054	rs6059839	C	T	-0.145	0.024	0.498	7.52E-10	0.014	0.010	0.150	0.010	37.861	TRUE	2.33E-09
Overall asthma	TP53INP2	cg16810054	rs6088372	T	C	0.220	0.032	0.137	6.96E-12	-0.039	0.013	0.002	0.013	47.015	TRUE	6.86E-11
Overall asthma	TP53INP2	cg16810054	rs77831801	G	A	0.421	0.075	0.029	1.76E-08	0.019	0.030	0.530	0.009	31.730	TRUE	3.06E-08
Overall asthma	TP53INP2	cg20592836	rs112321518	C	T	0.445	0.074	0.025	2.39E-09	0.064	0.030	0.033	0.010	35.606	TRUE	1.03E-08
Overall asthma	TP53INP2	cg20592836	rs113921126	C	T	0.811	0.051	0.061	2.58E-57	0.012	0.020	0.560	0.064	254.464	TRUE	3.71E-55
Overall asthma	TP53INP2	cg20592836	rs115799334	G	A	0.396	0.058	0.042	1.19E-11	0.014	0.023	0.530	0.012	45.960	TRUE	2.46E-11
Overall asthma	TP53INP2	cg20592836	rs116971224	A	G	0.425	0.073	0.027	6.85E-09	-0.060	0.029	0.040	0.009	33.559	TRUE	2.71E-08
Overall asthma	TP53INP2	cg20592836	rs12481340	A	G	0.635	0.083	0.020	1.95E-14	0.012	0.032	0.710	0.016	58.549	TRUE	4.03E-14
Overall asthma	TP53INP2	cg20592836	rs13042836	A	C	-0.459	0.061	0.036	5.69E-14	-0.013	0.024	0.580	0.015	56.444	TRUE	1.29E-13
Overall asthma	TP53INP2	cg20592836	rs147142368	T	A	0.713	0.082	0.020	4.81E-18	0.006	0.034	0.860	0.020	74.917	TRUE	1.05E-17
Overall asthma	TP53INP2	cg20592836	rs148953382	A	G	0.322	0.055	0.044	4.61E-09	0.007	0.024	0.770	0.009	34.331	TRUE	6.82E-09
Overall asthma	TP53INP2	cg20592836	rs1886693	G	C	0.220	0.024	0.397	8.47E-20	-0.006	0.010	0.560	0.022	82.891	TRUE	2.88E-19
Overall asthma	TP53INP2	cg20592836	rs200948404	A	G	-0.563	0.094	0.016	2.56E-09	-0.034	0.034	0.310	0.009	35.477	TRUE	5.77E-09
Overall asthma	TP53INP2	cg20592836	rs2069946	C	T	0.640	0.060	0.041	9.12E-27	-0.013	0.023	0.560	0.030	114.647	TRUE	5.15E-26
Overall asthma	TP53INP2	cg20592836	rs2425023	C	T	0.656	0.024	0.337	8.64E-165	0.020	0.010	0.049	0.168	748.063	TRUE	3.62E-151
Overall asthma	TP53INP2	cg20592836	rs2425050	G	A	0.236	0.029	0.213	4.08E-16	-0.005	0.011	0.690	0.018	66.160	TRUE	9.54E-16
Overall asthma	TP53INP2	cg20592836	rs41312284	A	G	0.738	0.071	0.034	2.57E-25	0.015	0.026	0.560	0.028	108.029	TRUE	1.31E-24
Overall asthma	TP53INP2	cg20592836	rs45610033	T	C	0.657	0.044	0.082	5.40E-51	0.021	0.018	0.240	0.057	225.491	TRUE	7.87E-49
Overall asthma	TP53INP2	cg20592836	rs6057936	A	G	-0.352	0.030	0.197	5.79E-32	-0.009	0.012	0.460	0.036	138.381	TRUE	6.22E-31
Overall asthma	TP53INP2	cg20592836	rs6060017	C	A	-0.568	0.029	0.172	4.74E-84	-0.004	0.012	0.760	0.093	377.129	TRUE	2.31E-80
Overall asthma	TP53INP2	cg20592836	rs6087546	A	G	-0.437	0.027	0.237	1.75E-60	-0.039	0.011	5.10E-04	0.068	268.988	TRUE	3.45E-56
Overall asthma	TP53INP2	cg20592836	rs6088316	G	A	-0.217	0.039	0.208	2.32E-08	-0.005	0.012	0.700	0.008	31.186	TRUE	3.53E-08
Overall asthma	TP53INP2	cg20592836	rs6142035	T	G	-0.222	0.036	0.118	8.28E-10	0.005	0.014	0.710	0.010	37.672	TRUE	1.34E-09
Overall asthma	TP53INP2	cg20592836	rs6142110	C	T	-0.292	0.033	0.149	1.73E-18	0.015	0.014	0.290	0.020	76.936	TRUE	8.13E-18
Overall asthma	TP53INP2	cg20592836	rs6142137	C	T	0.994	0.017	0.425	<1E-200	0.011	0.010	0.240	0.475	3351.556	TRUE	<1E-200
Overall asthma	TP53INP2	cg20592836	rs71350377	T	C	0.654	0.101	0.016	9.94E-11	0.005	0.048	0.920	0.011	41.811	TRUE	1.41E-10
Overall asthma	TP53INP2	cg20592836	rs7266612	G	A	0.810	0.109	0.026	1.10E-13	0.078	0.032	0.016	0.015	55.153	TRUE	9.29E-13
Overall asthma	TP53INP2	cg20592836	rs7267042	A	C	0.324	0.028	0.229	2.85E-30	0.006	0.011	0.620	0.034	130.649	TRUE	2.02E-29
Overall asthma	TP53INP2	cg20592836	rs73095129	A	G	0.749	0.061	0.038	1.09E-34	0.018	0.026	0.470	0.039	150.843	TRUE	1.41E-33
Overall asthma	TP53INP2	cg20592836	rs73096872	C	G	0.409	0.034	0.132	1.43E-32	-0.013	0.014	0.360	0.037	141.155	TRUE	1.98E-31
Overall asthma	TP53INP2	cg20592836	rs75401510	G	C	-0.604	0.050	0.059	1.26E-33	-0.006	0.020	0.760	0.038	145.975	TRUE	9.50E-33
Overall asthma	TP53INP2	cg20592836	rs77831801	G	A	-0.599	0.075	0.029	1.17E-15	0.019	0.030	0.530	0.017	64.090	TRUE	3.15E-15
Overall asthma	TP53INP2	cg24642439	rs113170938	A	C	0.577	0.096	0.018	1.61E-09	-0.040	0.040	0.320	0.010	36.381	TRUE	3.68E-09
Overall asthma	TP53INP2	cg24642439	rs13041102	A	G	0.385	0.053	0.052	3.72E-13	0.012	0.022	0.580	0.014	52.759	TRUE	8.06E-13
Overall asthma	TP53INP2	cg24642439	rs147142368	T	A	0.448	0.081	0.020	2.88E-08	0.006	0.034	0.860	0.008	30.769	TRUE	3.89E-08

Overall asthma	TP53INP2	cg24642439	rs17092209	G	A	-0.245	0.036	0.124	1.59E-11	-0.001	0.014	0.960	0.012	45.400	TRUE	2.27E-11
Overall asthma	TP53INP2	cg24642439	rs181971379	A	G	0.357	0.063	0.034	1.48E-08	0.029	0.025	0.250	0.009	32.059	TRUE	3.46E-08
Overall asthma	TP53INP2	cg24642439	rs2425020	T	C	-0.437	0.042	0.269	3.24E-25	-0.011	0.011	0.320	0.028	107.573	TRUE	2.48E-24
Overall asthma	TP53INP2	cg24642439	rs41312284	A	G	0.484	0.071	0.034	1.11E-11	0.015	0.026	0.560	0.012	46.096	TRUE	2.26E-11
Overall asthma	TP53INP2	cg24642439	rs6059529	T	A	0.178	0.028	0.239	1.04E-10	0.001	0.011	0.930	0.011	41.726	TRUE	1.47E-10
Overall asthma	TP53INP2	cg24642439	rs6060313	T	C	0.273	0.035	0.136	2.89E-15	0.006	0.014	0.690	0.017	62.303	TRUE	6.39E-15
Overall asthma	TP53INP2	cg24642439	rs6060378	G	T	0.242	0.025	0.322	1.34E-22	0.013	0.010	0.210	0.025	95.644	TRUE	1.09E-21
Overall asthma	TP53INP2	cg24642439	rs6142047	C	T	-0.207	0.023	0.457	5.62E-19	-0.016	0.010	0.100	0.021	79.154	TRUE	4.53E-18
Overall asthma	TP53INP2	cg24642439	rs7265992	A	G	-0.315	0.029	0.170	1.06E-26	-0.005	0.012	0.720	0.030	114.356	TRUE	4.89E-26
Overall asthma	TP53INP2	cg24642439	rs73096872	C	G	0.203	0.034	0.132	3.20E-09	-0.013	0.014	0.360	0.009	35.039	TRUE	6.89E-09
Overall asthma	TP53INP2	cg24642439	rs79078695	G	T	0.367	0.036	0.120	6.79E-25	0.009	0.014	0.530	0.028	106.105	TRUE	3.50E-24
Overall asthma	TP53INP2	cg24642439	rs910869	T	C	0.678	0.021	0.398	4.05E-238	0.025	0.010	0.010	0.227	1085.201	TRUE	1.34E-212
Overall asthma	TP73	cg00505606	rs3765754	C	T	-0.202	0.024	0.339	2.45E-17	-0.003	0.010	0.810	0.019	71.706	TRUE	5.42E-17
Overall asthma	TP73	cg00589002	rs1122723	G	A	-0.198	0.024	0.426	1.44E-16	0.000	0.010	0.990	0.018	68.214	TRUE	2.52E-16
Overall asthma	TP73	cg00589002	rs144666894	A	T	-0.403	0.067	0.029	1.57E-09	0.022	0.026	0.390	0.010	36.424	TRUE	3.29E-09
Overall asthma	TP73	cg00589002	rs3819963	T	C	0.288	0.030	0.178	2.90E-21	0.004	0.012	0.740	0.024	89.563	TRUE	8.84E-21
Overall asthma	TP73	cg02134594	rs3765754	C	T	-0.289	0.024	0.339	5.81E-34	-0.003	0.010	0.810	0.038	147.516	TRUE	4.22E-33
Overall asthma	TP73	cg03103850	rs3765754	C	T	-0.181	0.024	0.339	3.50E-14	-0.003	0.010	0.810	0.015	57.399	TRUE	6.51E-14
Overall asthma	TP73	cg04137576	rs1885863	C	T	-0.318	0.029	0.207	2.20E-28	0.016	0.012	0.180	0.032	122.031	TRUE	3.16E-27
Overall asthma	TP73	cg04137576	rs2760321	T	C	0.272	0.031	0.175	1.53E-18	-0.008	0.013	0.550	0.020	77.182	TRUE	4.80E-18
Overall asthma	TP73	cg04137576	rs3818330	T	G	-0.242	0.028	0.213	1.25E-17	0.024	0.011	0.038	0.019	73.031	TRUE	1.34E-16
Overall asthma	TP73	cg04159546	rs2146657	A	G	-0.235	0.029	0.203	6.09E-16	0.033	0.012	0.005	0.017	65.371	TRUE	8.42E-15
Overall asthma	TP73	cg04159546	rs35837097	A	G	-0.146	0.024	0.468	5.86E-10	-0.004	0.010	0.710	0.010	38.347	TRUE	9.57E-10
Overall asthma	TP73	cg04159546	rs375432272	A	C	-0.744	0.113	0.022	3.85E-11	-0.016	0.030	0.600	0.012	43.664	TRUE	7.37E-11
Overall asthma	TP73	cg04159546	rs3765703	G	T	-0.355	0.024	0.426	1.00E-50	-0.001	0.010	0.940	0.057	224.265	TRUE	3.04E-49
Overall asthma	TP73	cg04159546	rs3765751	A	G	-0.351	0.025	0.289	2.35E-43	0.003	0.011	0.760	0.049	190.498	TRUE	4.39E-42
Overall asthma	TP73	cg04159546	rs3765769	C	T	-0.434	0.062	0.035	2.72E-12	0.021	0.026	0.410	0.013	48.854	TRUE	6.68E-12
Overall asthma	TP73	cg04159546	rs6702451	T	A	-0.181	0.030	0.194	1.60E-09	-0.008	0.012	0.520	0.010	36.385	TRUE	3.00E-09
Overall asthma	TP73	cg04159546	rs7526126	G	C	-0.180	0.031	0.177	5.70E-09	-0.010	0.013	0.450	0.009	33.916	TRUE	1.08E-08
Overall asthma	TP73	cg04392488	rs12117836	A	G	-0.380	0.025	0.346	2.77E-53	-0.001	0.010	0.900	0.060	235.985	TRUE	1.21E-51
Overall asthma	TP73	cg04392488	rs3753205	C	G	-0.249	0.043	0.213	7.31E-09	0.006	0.012	0.620	0.009	33.433	TRUE	1.19E-08
Overall asthma	TP73	cg04392488	rs3765754	C	T	-0.198	0.024	0.339	1.40E-16	-0.003	0.010	0.810	0.018	68.263	TRUE	2.98E-16
Overall asthma	TP73	cg04562683	rs12095248	G	A	0.457	0.040	0.093	7.31E-30	0.000	0.016	0.990	0.034	128.783	TRUE	2.92E-29
Overall asthma	TP73	cg04562683	rs12121865	A	G	-0.508	0.074	0.058	5.48E-12	0.008	0.019	0.680	0.013	47.482	TRUE	1.02E-11
Overall asthma	TP73	cg04562683	rs12737840	T	C	-0.815	0.027	0.387	3.71E-200	0.002	0.010	0.880	0.198	910.649	TRUE	9.56E-184
Overall asthma	TP73	cg04562683	rs2224718	T	C	0.138	0.024	0.420	1.08E-08	0.007	0.010	0.490	0.009	32.675	TRUE	1.97E-08
Overall asthma	TP73	cg04562683	rs35837097	A	G	-0.223	0.024	0.468	2.84E-21	-0.004	0.010	0.710	0.024	89.600	TRUE	9.00E-21
Overall asthma	TP73	cg04562683	rs3765702	T	C	0.154	0.024	0.388	2.26E-10	-0.003	0.010	0.760	0.011	40.210	TRUE	3.59E-10
Overall asthma	TP73	cg04562683	rs6424089	A	G	-0.318	0.034	0.461	3.31E-20	-0.005	0.010	0.630	0.022	84.747	TRUE	1.06E-19
Overall asthma	TP73	cg04562683	rs72470159	C	G	0.669	0.095	0.034	1.72E-12	0.010	0.026	0.690	0.013	49.755	TRUE	3.21E-12
Overall asthma	TP73	cg04600984	rs36031771	G	A	-0.138	0.024	0.404	1.18E-08	-0.011	0.010	0.280	0.009	32.509	TRUE	2.71E-08
Overall asthma	TP73	cg04600984	rs4648534	T	C	-0.188	0.027	0.270	3.50E-12	-0.010	0.011	0.380	0.013	48.361	TRUE	8.85E-12

Overall asthma	TP73	cg04600984	rs75368081	G	A	-0.253	0.044	0.072	7.23E-09	-0.027	0.018	0.130	0.009	33.453	TRUE	2.09E-08
Overall asthma	TP73	cg05116756	rs35837097	A	G	-0.203	0.023	0.468	1.70E-18	-0.004	0.010	0.710	0.020	76.973	TRUE	4.49E-18
Overall asthma	TP73	cg05116756	rs3765754	C	T	-0.136	0.024	0.339	7.59E-09	-0.003	0.010	0.810	0.009	33.359	TRUE	1.09E-08
Overall asthma	TP73	cg05782471	rs1181880	T	C	-0.212	0.038	0.099	3.26E-08	-0.036	0.015	0.015	0.008	30.527	TRUE	1.42E-07
Overall asthma	TP73	cg05782471	rs2146659	G	A	-0.276	0.024	0.365	5.28E-30	-0.003	0.010	0.750	0.034	129.427	TRUE	2.99E-29
Overall asthma	TP73	cg05924583	rs12408890	C	T	-0.167	0.025	0.340	1.32E-11	0.017	0.010	0.096	0.012	45.754	TRUE	5.52E-11
Overall asthma	TP73	cg05936300	rs2760317	T	C	-0.322	0.051	0.058	1.84E-10	-0.012	0.021	0.570	0.011	40.608	TRUE	3.47E-10
Overall asthma	TP73	cg05936300	rs2821022	A	T	-0.303	0.026	0.300	2.58E-32	-0.010	0.010	0.330	0.036	139.989	TRUE	3.77E-31
Overall asthma	TP73	cg05936300	rs3765703	G	T	-0.182	0.024	0.426	3.29E-14	-0.001	0.010	0.940	0.015	57.524	TRUE	5.40E-14
Overall asthma	TP73	cg05936300	rs7416277	A	G	-0.346	0.061	0.039	1.32E-08	0.019	0.025	0.450	0.009	32.285	TRUE	2.48E-08
Overall asthma	TP73	cg06646112	rs3765737	G	A	0.251	0.024	0.376	1.95E-25	-0.001	0.010	0.900	0.029	108.574	TRUE	6.46E-25
Overall asthma	TP73	cg06939447	rs3765703	G	T	-0.134	0.024	0.426	1.90E-08	-0.001	0.010	0.940	0.008	31.580	TRUE	2.44E-08
Overall asthma	TP73	cg06996273	rs3765754	C	T	-0.136	0.024	0.339	1.53E-08	-0.003	0.010	0.810	0.009	31.995	TRUE	2.17E-08
Overall asthma	TP73	cg07045089	rs2296032	C	T	0.387	0.032	0.319	2.20E-33	0.003	0.010	0.780	0.038	144.874	TRUE	1.59E-32
Overall asthma	TP73	cg07045089	rs3765763	A	C	-0.169	0.031	0.174	4.66E-08	0.001	0.012	0.950	0.008	29.836	TRUE	5.86E-08
Overall asthma	TP73	cg08887707	rs1181877	T	C	-0.286	0.035	0.302	1.13E-16	-0.024	0.012	0.044	0.018	68.695	TRUE	9.52E-16
Overall asthma	TP73	cg08887707	rs1181880	T	C	0.234	0.038	0.099	1.19E-09	-0.036	0.015	0.015	0.010	36.972	TRUE	6.15E-09
Overall asthma	TP73	cg08887707	rs12032272	T	C	-1.279	0.035	0.164	4.89E-293	0.004	0.013	0.770	0.266	1337.767	TRUE	1.81E-260
Overall asthma	TP73	cg08887707	rs35761570	C	T	-0.187	0.028	0.233	2.04E-11	-0.005	0.011	0.640	0.012	44.905	TRUE	3.82E-11
Overall asthma	TP73	cg08887707	rs3753205	C	G	-0.415	0.043	0.213	1.85E-22	0.006	0.012	0.620	0.025	95.007	TRUE	6.92E-22
Overall asthma	TP73	cg08887707	rs3765762	A	G	-1.036	0.064	0.034	2.48E-59	0.014	0.026	0.600	0.067	263.716	TRUE	4.23E-57
Overall asthma	TP73	cg08887707	rs4582730	G	A	0.283	0.024	0.380	7.30E-32	-0.004	0.010	0.720	0.036	137.923	TRUE	4.99E-31
Overall asthma	TP73	cg08887707	rs76073395	T	C	-0.503	0.056	0.090	2.98E-19	0.008	0.018	0.680	0.021	80.406	TRUE	8.52E-19
Overall asthma	TP73	cg09248714	rs3765692	C	T	0.379	0.037	0.249	8.86E-25	-0.012	0.012	0.310	0.028	105.580	TRUE	6.55E-24
Overall asthma	TP73	cg09248714	rs3765730	A	G	-0.162	0.025	0.362	5.65E-11	0.001	0.010	0.940	0.011	42.917	TRUE	7.99E-11
Overall asthma	TP73	cg09248714	rs60206806	C	T	0.217	0.031	0.175	2.44E-12	-0.009	0.013	0.460	0.013	49.070	TRUE	5.67E-12
Overall asthma	TP73	cg09852697	rs1122723	G	A	-0.395	0.024	0.426	6.89E-63	0.000	0.010	0.990	0.070	280.020	TRUE	8.28E-61
Overall asthma	TP73	cg09852697	rs3765736	T	C	0.368	0.024	0.376	3.19E-53	-0.001	0.010	0.910	0.060	235.701	TRUE	1.35E-51
Overall asthma	TP73	cg09852697	rs3765769	C	T	-0.468	0.062	0.035	5.12E-14	0.021	0.026	0.410	0.015	56.653	TRUE	1.41E-13
Overall asthma	TP73	cg11504517	rs10752739	G	A	0.405	0.023	0.482	1.52E-67	-0.011	0.010	0.250	0.075	301.378	TRUE	2.18E-64
Overall asthma	TP73	cg11504517	rs2821022	A	T	-0.215	0.026	0.300	6.67E-17	-0.010	0.010	0.330	0.019	69.731	TRUE	2.62E-16
Overall asthma	TP73	cg11504517	rs3765703	G	T	-0.213	0.024	0.426	4.94E-19	-0.001	0.010	0.940	0.021	79.411	TRUE	1.04E-18
Overall asthma	TP73	cg11585071	rs1181880	T	C	-0.245	0.038	0.099	1.80E-10	-0.036	0.015	0.015	0.011	40.645	TRUE	1.03E-09
Overall asthma	TP73	cg11585071	rs12121865	A	G	0.438	0.074	0.058	2.90E-09	0.008	0.019	0.680	0.009	35.231	TRUE	4.68E-09
Overall asthma	TP73	cg11585071	rs1885870	C	G	-0.840	0.021	0.372	<1E-200	0.002	0.010	0.860	0.300	1586.883	TRUE	1.86E-303
Overall asthma	TP73	cg11585071	rs3765732	G	A	0.416	0.047	0.161	5.34E-19	-0.001	0.013	0.950	0.021	79.255	TRUE	1.12E-18
Overall asthma	TP73	cg11585071	rs55657548	T	C	0.406	0.030	0.178	1.53E-40	0.004	0.013	0.780	0.046	177.614	TRUE	2.08E-39
Overall asthma	TP73	cg11585071	rs7542464	T	C	0.295	0.025	0.317	2.71E-31	-0.003	0.010	0.770	0.035	135.319	TRUE	1.67E-30
Overall asthma	TP73	cg11970695	rs1122723	G	A	0.169	0.024	0.426	1.83E-12	0.000	0.010	0.990	0.013	49.627	TRUE	2.65E-12
Overall asthma	TP73	cg12268562	rs1122723	G	A	-0.272	0.024	0.426	5.45E-30	0.000	0.010	0.990	0.034	129.365	TRUE	2.20E-29
Overall asthma	TP73	cg12268562	rs1885868	C	T	-0.491	0.061	0.038	7.32E-16	0.020	0.025	0.430	0.017	65.010	TRUE	2.28E-15
Overall asthma	TP73	cg12268562	rs2146659	G	A	0.321	0.024	0.365	3.08E-40	-0.003	0.010	0.750	0.045	176.228	TRUE	4.32E-39

Overall asthma	TP73	cg12268562	rs3819968	T	G	-0.211	0.032	0.411	8.58E-11	0.002	0.010	0.870	0.011	42.097	TRUE	1.28E-10
Overall asthma	TP73	cg13914636	rs3765743	T	C	-0.314	0.023	0.487	2.63E-42	0.000	0.010	0.970	0.048	185.697	TRUE	3.16E-41
Overall asthma	TP73	cg13914636	rs3765769	C	T	-0.349	0.062	0.035	1.93E-08	0.021	0.026	0.410	0.008	31.543	TRUE	3.69E-08
Overall asthma	TP73	cg13943358	rs10910003	A	G	0.508	0.048	0.148	3.94E-26	-0.005	0.013	0.690	0.029	111.745	TRUE	1.79E-25
Overall asthma	TP73	cg14159342	rs2208992	C	T	-0.139	0.024	0.420	9.27E-09	0.006	0.010	0.530	0.009	32.972	TRUE	1.64E-08
Overall asthma	TP73	cg14159342	rs35837097	A	G	0.147	0.024	0.468	5.16E-10	-0.004	0.010	0.710	0.010	38.596	TRUE	8.45E-10
Overall asthma	TP73	cg14159342	rs3765703	G	T	-0.262	0.024	0.426	4.33E-28	-0.001	0.010	0.940	0.032	120.687	TRUE	1.64E-27
Overall asthma	TP73	cg14159342	rs3765754	C	T	0.151	0.024	0.339	3.38E-10	-0.003	0.010	0.810	0.011	39.418	TRUE	5.17E-10
Overall asthma	TP73	cg14159342	rs3765769	C	T	-0.354	0.062	0.035	1.32E-08	0.021	0.026	0.410	0.009	32.283	TRUE	2.55E-08
Overall asthma	TP73	cg14660788	rs1122723	G	A	-0.295	0.024	0.426	3.73E-35	0.000	0.010	0.990	0.040	152.973	TRUE	2.27E-34
Overall asthma	TP73	cg14660788	rs12032272	T	C	-0.269	0.047	0.164	8.39E-09	0.004	0.013	0.770	0.009	33.165	TRUE	1.23E-08
Overall asthma	TP73	cg14660788	rs12757620	G	T	0.163	0.024	0.434	6.27E-12	0.003	0.010	0.730	0.013	47.216	TRUE	1.11E-11
Overall asthma	TP73	cg14660788	rs2146659	G	A	0.322	0.024	0.365	1.48E-40	-0.003	0.010	0.750	0.046	177.684	TRUE	2.14E-39
Overall asthma	TP73	cg15161371	rs3765736	T	C	0.134	0.024	0.376	2.25E-08	-0.001	0.010	0.910	0.008	31.251	TRUE	2.93E-08
Overall asthma	TP73	cg16024523	rs1181880	T	C	-0.215	0.038	0.099	1.97E-08	-0.036	0.015	0.015	0.008	31.509	TRUE	8.81E-08
Overall asthma	TP73	cg16024523	rs3765753	T	G	0.339	0.025	0.289	8.50E-41	0.004	0.011	0.730	0.046	178.787	TRUE	1.29E-39
Overall asthma	TP73	cg16024523	rs3819958	A	G	-0.220	0.027	0.252	2.09E-16	-0.006	0.011	0.560	0.018	67.483	TRUE	5.68E-16
Overall asthma	TP73	cg17163168	rs12757620	G	T	0.257	0.024	0.434	2.47E-27	0.003	0.010	0.730	0.031	117.232	TRUE	1.17E-26
Overall asthma	TP73	cg17163168	rs2181484	A	G	-0.230	0.039	0.108	2.77E-09	-0.006	0.016	0.710	0.009	35.323	TRUE	4.34E-09
Overall asthma	TP73	cg17163168	rs3765703	G	T	-0.462	0.023	0.426	1.65E-86	-0.001	0.010	0.940	0.095	388.411	TRUE	7.93E-83
Overall asthma	TP73	cg17471939	rs114270141	T	C	-0.384	0.066	0.032	5.07E-09	0.016	0.026	0.530	0.009	34.145	TRUE	9.02E-09
Overall asthma	TP73	cg17471939	rs2181484	A	G	-0.220	0.039	0.108	1.31E-08	-0.006	0.016	0.710	0.009	32.302	TRUE	1.99E-08
Overall asthma	TP73	cg17471939	rs3765695	A	C	-0.214	0.032	0.149	2.85E-11	-0.011	0.013	0.410	0.012	44.254	TRUE	6.70E-11
Overall asthma	TP73	cg17471939	rs3765703	G	T	-0.405	0.024	0.426	3.45E-66	-0.001	0.010	0.940	0.074	295.157	TRUE	7.22E-64
Overall asthma	TP73	cg17471939	rs4582730	G	A	0.133	0.024	0.380	4.46E-08	-0.004	0.010	0.720	0.008	29.921	TRUE	6.55E-08
Overall asthma	TP73	cg17471939	rs55728961	A	C	0.238	0.024	0.452	5.51E-24	0.005	0.010	0.610	0.027	101.960	TRUE	2.38E-23
Overall asthma	TP73	cg17804348	rs1181867	A	G	-0.155	0.028	0.219	3.05E-08	0.028	0.011	0.015	0.008	30.657	TRUE	1.44E-07
Overall asthma	TP73	cg17804348	rs12757620	G	T	0.178	0.024	0.434	6.67E-14	0.003	0.010	0.730	0.015	56.134	TRUE	1.31E-13
Overall asthma	TP73	cg17804348	rs2251098	G	A	-0.218	0.039	0.108	1.72E-08	-0.005	0.016	0.770	0.009	31.766	TRUE	2.49E-08
Overall asthma	TP73	cg17907911	rs3765739	G	A	-0.426	0.023	0.376	2.91E-74	-0.004	0.010	0.710	0.082	332.204	TRUE	3.20E-71
Overall asthma	TP73	cg17919477	rs10910001	C	T	-0.315	0.058	0.045	4.60E-08	-0.009	0.024	0.700	0.008	29.863	TRUE	6.88E-08
Overall asthma	TP73	cg17919477	rs2244942	C	T	-0.425	0.025	0.282	2.98E-64	0.021	0.011	0.044	0.072	286.276	TRUE	8.70E-61
Overall asthma	TP73	cg17919477	rs36031771	G	A	-0.165	0.024	0.404	4.88E-12	-0.011	0.010	0.280	0.013	47.707	TRUE	1.45E-11
Overall asthma	TP73	cg17919477	rs6679556	T	A	-0.287	0.029	0.202	8.12E-24	0.015	0.012	0.200	0.027	101.193	TRUE	7.01E-23
Overall asthma	TP73	cg17986341	rs1745813	T	C	-0.265	0.028	0.214	4.02E-21	0.024	0.012	0.035	0.023	88.914	TRUE	5.34E-20
Overall asthma	TP73	cg17986341	rs6695978	A	G	0.378	0.059	0.040	2.12E-10	0.013	0.025	0.600	0.011	40.329	TRUE	3.86E-10
Overall asthma	TP73	cg18279180	rs12033595	G	A	-0.647	0.046	0.164	1.38E-45	0.004	0.013	0.730	0.051	200.714	TRUE	3.43E-44
Overall asthma	TP73	cg18279180	rs12126706	T	C	0.182	0.025	0.300	8.26E-13	0.002	0.010	0.820	0.014	51.190	TRUE	1.42E-12
Overall asthma	TP73	cg18279180	rs3765703	G	T	-0.192	0.024	0.426	9.15E-16	-0.001	0.010	0.940	0.017	64.571	TRUE	1.62E-15
Overall asthma	TP73	cg18279180	rs3765770	A	G	-0.612	0.062	0.035	5.43E-23	0.022	0.026	0.390	0.026	97.433	TRUE	2.99E-22
Overall asthma	TP73	cg19688837	rs2096224	G	A	0.152	0.028	0.218	4.98E-08	0.027	0.011	0.020	0.008	29.710	TRUE	2.18E-07
Overall asthma	TP73	cg19692322	rs3765754	C	T	-0.158	0.024	0.339	4.53E-11	-0.003	0.010	0.810	0.012	43.347	TRUE	7.21E-11

Overall asthma	TP73	cg19819912	rs3765754	C	T	-0.137	0.024	0.339	1.08E-08	-0.003	0.010	0.810	0.009	32.679	TRUE	1.54E-08
Overall asthma	TP73	cg20306863	rs10910003	A	G	0.393	0.048	0.148	4.54E-16	-0.005	0.013	0.690	0.018	65.952	TRUE	1.05E-15
Overall asthma	TP73	cg20306863	rs12121865	A	G	0.545	0.074	0.058	1.29E-13	0.008	0.019	0.680	0.015	54.829	TRUE	2.64E-13
Overall asthma	TP73	cg20306863	rs34868661	G	A	-0.256	0.024	0.364	1.52E-25	0.001	0.010	0.920	0.029	109.073	TRUE	4.96E-25
Overall asthma	TP73	cg20306863	rs6663736	C	T	-0.154	0.026	0.290	1.75E-09	0.021	0.010	0.048	0.010	36.215	TRUE	7.50E-09
Overall asthma	TP73	cg20306863	rs7544357	A	G	0.155	0.026	0.288	2.75E-09	0.008	0.011	0.470	0.009	35.331	TRUE	5.25E-09
Overall asthma	TP73	cg20768358	rs10909975	C	A	0.191	0.032	0.174	1.57E-09	-0.025	0.013	0.052	0.010	36.421	TRUE	6.13E-09
Overall asthma	TP73	cg20768358	rs10909987	G	C	-0.300	0.025	0.340	4.43E-34	-0.014	0.010	0.170	0.038	148.057	TRUE	1.22E-32
Overall asthma	TP73	cg20768358	rs10910001	C	T	-0.449	0.058	0.045	1.47E-14	-0.009	0.024	0.700	0.016	59.102	TRUE	3.10E-14
Overall asthma	TP73	cg20768358	rs10910003	A	G	0.502	0.048	0.148	1.92E-25	-0.005	0.013	0.690	0.029	108.610	TRUE	8.29E-25
Overall asthma	TP73	cg20768358	rs12028205	T	G	-0.134	0.024	0.420	2.12E-08	-0.001	0.010	0.940	0.008	31.365	TRUE	2.72E-08
Overall asthma	TP73	cg20768358	rs12408890	C	T	-0.572	0.024	0.340	5.32E-126	0.017	0.010	0.096	0.133	569.801	TRUE	2.64E-117
Overall asthma	TP73	cg20768358	rs1885868	C	T	-0.359	0.061	0.038	3.85E-09	0.020	0.025	0.430	0.009	34.678	TRUE	7.67E-09
Overall asthma	TP73	cg21388339	rs12126706	T	C	-0.311	0.025	0.300	1.10E-34	0.002	0.010	0.820	0.039	150.830	TRUE	8.38E-34
Overall asthma	TP73	cg21388339	rs144666894	A	T	-0.387	0.067	0.029	7.03E-09	0.022	0.026	0.390	0.009	33.508	TRUE	1.41E-08
Overall asthma	TP73	cg21388339	rs2273953	A	G	0.251	0.043	0.208	6.38E-09	0.004	0.012	0.720	0.009	33.698	TRUE	9.72E-09
Overall asthma	TP73	cg21388339	rs3765698	C	T	0.262	0.044	0.072	2.10E-09	-0.026	0.018	0.140	0.010	35.855	TRUE	6.16E-09
Overall asthma	TP73	cg21388339	rs3765732	G	A	1.116	0.043	0.161	2.84E-149	-0.001	0.013	0.950	0.155	676.742	TRUE	1.26E-139
Overall asthma	TP73	cg21388339	rs3765758	G	A	0.152	0.024	0.440	1.41E-10	0.002	0.010	0.860	0.011	41.124	TRUE	2.10E-10
Overall asthma	TP73	cg21388339	rs3765768	C	T	0.299	0.032	0.499	2.06E-20	0.014	0.010	0.150	0.023	85.687	TRUE	1.54E-19
Overall asthma	TP73	cg21418707	rs3819959	C	T	-0.186	0.024	0.373	1.61E-14	-0.004	0.010	0.730	0.016	58.923	TRUE	3.29E-14
Overall asthma	TP73	cg21827809	rs3765703	G	T	-0.227	0.024	0.426	1.97E-21	-0.001	0.010	0.940	0.024	90.323	TRUE	4.80E-21
Overall asthma	TP73	cg21827809	rs4648530	G	A	-0.156	0.028	0.226	2.57E-08	-0.004	0.011	0.720	0.008	30.988	TRUE	3.86E-08
Overall asthma	TP73	cg21827809	rs60206806	C	T	-0.533	0.030	0.175	3.92E-69	-0.009	0.013	0.460	0.077	308.669	TRUE	3.57E-66
Overall asthma	TP73	cg22039909	rs2254530	C	A	0.157	0.026	0.258	3.28E-09	0.026	0.011	0.017	0.009	34.992	TRUE	1.58E-08
Overall asthma	TP73	cg22039909	rs41301973	A	G	0.509	0.059	0.040	6.95E-18	0.015	0.025	0.560	0.020	74.189	TRUE	2.12E-17
Overall asthma	TP73	cg22048228	rs3765703	G	T	0.179	0.024	0.426	6.11E-14	-0.001	0.010	0.940	0.015	56.305	TRUE	9.92E-14
Overall asthma	TP73	cg22234529	rs12028205	T	G	-0.266	0.024	0.420	6.49E-29	-0.001	0.010	0.940	0.033	124.449	TRUE	2.61E-28
Overall asthma	TP73	cg22234529	rs35837097	A	G	0.147	0.024	0.468	4.98E-10	-0.004	0.010	0.710	0.010	38.664	TRUE	8.17E-10
Overall asthma	TP73	cg22234529	rs3765754	C	T	0.204	0.024	0.339	1.40E-17	-0.003	0.010	0.810	0.019	72.816	TRUE	3.13E-17
Overall asthma	TP73	cg22383924	rs3765703	G	T	-0.131	0.024	0.426	4.32E-08	-0.001	0.010	0.940	0.008	29.983	TRUE	5.48E-08
Overall asthma	TP73	cg23052055	rs1122723	G	A	-0.314	0.024	0.426	7.64E-40	0.000	0.010	0.990	0.045	174.420	TRUE	7.01E-39
Overall asthma	TP73	cg23052055	rs12046074	T	C	-0.377	0.061	0.037	8.05E-10	0.016	0.025	0.530	0.010	37.727	TRUE	1.52E-09
Overall asthma	TP73	cg23052055	rs3765695	A	C	-0.177	0.032	0.149	4.21E-08	-0.011	0.013	0.410	0.008	30.033	TRUE	8.04E-08
Overall asthma	TP73	cg23052055	rs55657548	T	C	0.516	0.030	0.178	1.96E-65	0.004	0.013	0.780	0.073	291.693	TRUE	5.02E-63
Overall asthma	TP73	cg23052055	rs78340412	C	T	-0.327	0.047	0.158	4.38E-12	0.006	0.013	0.620	0.013	47.920	TRUE	8.61E-12
Overall asthma	TP73	cg24356964	rs10752739	G	A	0.141	0.024	0.482	2.31E-09	-0.011	0.010	0.250	0.010	35.670	TRUE	5.70E-09
Overall asthma	TP73	cg24356964	rs3765770	A	G	-0.421	0.062	0.035	1.28E-11	0.022	0.026	0.390	0.012	45.822	TRUE	3.08E-11
Overall asthma	TP73	cg25352980	rs3765770	A	G	0.586	0.062	0.035	2.66E-21	0.022	0.026	0.390	0.024	89.730	TRUE	1.28E-20
Overall asthma	TP73	cg25758394	rs17379833	T	A	-0.162	0.024	0.371	2.18E-11	-0.003	0.010	0.750	0.012	44.776	TRUE	3.67E-11
Overall asthma	TP73	cg26034538	rs2096224	G	A	0.198	0.028	0.218	1.82E-12	0.027	0.011	0.020	0.013	49.647	TRUE	1.35E-11
Overall asthma	TP73	cg26055950	rs12757620	G	T	0.233	0.024	0.434	1.16E-22	0.003	0.010	0.730	0.025	95.935	TRUE	3.91E-22

Overall asthma	TP73	cg26055950	rs3765695	A	C	-0.207	0.032	0.149	1.34E-10	-0.011	0.013	0.410	0.011	41.231	TRUE	3.01E-10
Overall asthma	TP73	cg26055950	rs3765703	G	T	-0.391	0.024	0.426	1.50E-61	-0.001	0.010	0.940	0.069	273.879	TRUE	1.69E-59
Overall asthma	TP73	cg26105278	rs2208992	C	T	-0.179	0.024	0.420	1.34E-13	0.006	0.010	0.530	0.015	54.765	TRUE	3.17E-13
Overall asthma	TP73	cg26105278	rs2244942	C	T	-0.158	0.026	0.282	1.23E-09	0.021	0.011	0.044	0.010	36.897	TRUE	4.82E-09
Overall asthma	TP73	cg26105278	rs35837097	A	G	0.129	0.024	0.468	4.28E-08	-0.004	0.010	0.710	0.008	30.001	TRUE	6.38E-08
Overall asthma	TP73	cg26105278	rs3765703	G	T	-0.167	0.024	0.426	3.38E-12	-0.001	0.010	0.940	0.013	48.429	TRUE	5.07E-12
Overall asthma	TP73	cg26105278	rs3765754	C	T	0.155	0.024	0.339	1.02E-10	-0.003	0.010	0.810	0.011	41.768	TRUE	1.59E-10
Overall asthma	TP73	cg26208930	rs879622	A	G	0.138	0.024	0.364	1.83E-08	0.001	0.010	0.890	0.008	31.655	TRUE	2.43E-08
Overall asthma	TP73	cg26810690	rs4610947	A	C	-0.187	0.024	0.373	1.02E-14	-0.003	0.010	0.790	0.016	59.821	TRUE	1.98E-14
Overall asthma	TP73	cg27055894	rs3765703	G	T	-0.260	0.024	0.426	7.02E-28	-0.001	0.010	0.940	0.031	119.728	TRUE	2.62E-27
Overall asthma	TP73	cg27564766	rs4648552	T	C	0.478	0.031	0.164	2.96E-53	0.038	0.013	0.003	0.060	235.850	TRUE	7.16E-50
Overall asthma	TPCN2	cg01385198	rs11228450	T	C	-0.176	0.027	0.263	3.07E-11	-0.001	0.011	0.900	0.012	44.105	TRUE	4.53E-11
Overall asthma	TPCN2	cg01385198	rs3892895	A	G	-0.255	0.024	0.348	2.17E-25	0.016	0.010	0.110	0.028	108.361	TRUE	3.05E-24
Overall asthma	TPCN2	cg01385198	rs655816	G	A	0.418	0.025	0.295	5.65E-61	-0.010	0.011	0.350	0.068	271.245	TRUE	2.10E-58
Overall asthma	TPCN2	cg01385198	rs7116054	T	C	0.191	0.029	0.200	6.46E-11	-0.025	0.012	0.037	0.011	42.653	TRUE	3.20E-10
Overall asthma	TPCN2	cg01385198	rs7342227	A	T	-0.185	0.028	0.216	5.51E-11	-0.018	0.011	0.120	0.011	42.962	TRUE	2.09E-10
Overall asthma	TPCN2	cg01403660	rs1004989	A	G	-0.390	0.040	0.101	4.62E-22	-0.011	0.016	0.490	0.025	93.193	TRUE	2.04E-21
Overall asthma	TPCN2	cg01403660	rs11228516	T	C	0.358	0.024	0.381	1.43E-51	0.002	0.010	0.860	0.058	228.127	TRUE	5.56E-50
Overall asthma	TPCN2	cg01403660	rs12270146	G	A	-0.187	0.028	0.229	1.96E-11	-0.014	0.011	0.210	0.012	44.982	TRUE	6.14E-11
Overall asthma	TPCN2	cg01403660	rs148668795	A	G	0.547	0.097	0.014	1.47E-08	0.100	0.034	0.003	0.009	32.075	TRUE	8.90E-08
Overall asthma	TPCN2	cg01403660	rs2924533	C	A	0.471	0.029	0.178	7.78E-58	0.047	0.012	1.10E-04	0.065	256.850	TRUE	1.69E-53
Overall asthma	TPCN2	cg01403660	rs3019776	A	G	0.336	0.053	0.120	1.96E-10	0.037	0.016	0.021	0.011	40.484	TRUE	1.06E-09
Overall asthma	TPCN2	cg01403660	rs34105531	G	A	-0.450	0.036	0.116	1.52E-35	-0.014	0.014	0.320	0.040	154.757	TRUE	3.06E-34
Overall asthma	TPCN2	cg01403660	rs61746574	A	G	-0.456	0.036	0.133	1.11E-37	-0.008	0.015	0.600	0.043	164.520	TRUE	1.59E-36
Overall asthma	TPCN2	cg01403660	rs67943767	T	C	-0.309	0.054	0.052	9.54E-09	-0.010	0.022	0.670	0.009	32.916	TRUE	1.51E-08
Overall asthma	TPCN2	cg01403660	rs7102758	G	A	-0.180	0.024	0.481	2.03E-14	0.004	0.010	0.660	0.016	58.473	TRUE	4.38E-14
Overall asthma	TPCN2	cg01403660	rs72940444	T	G	0.414	0.052	0.058	1.07E-15	-0.001	0.019	0.980	0.017	64.257	TRUE	1.83E-15
Overall asthma	TPCN2	cg01403660	rs75840048	T	C	0.534	0.068	0.030	3.61E-15	0.032	0.026	0.220	0.016	61.867	TRUE	1.48E-14
Overall asthma	TPCN2	cg01403660	rs7932947	C	A	0.820	0.020	0.498	<1E-200	0.042	0.010	2.50E-05	0.308	1644.445	TRUE	7.09E-307
Overall asthma	TPCN2	cg01993067	rs1004989	A	G	-0.243	0.041	0.101	2.16E-09	-0.011	0.016	0.490	0.010	35.808	TRUE	4.09E-09
Overall asthma	TPCN2	cg01993067	rs117940236	G	A	-0.234	0.037	0.117	1.60E-10	-0.002	0.015	0.910	0.011	40.884	TRUE	2.27E-10
Overall asthma	TPCN2	cg01993067	rs56005939	A	G	0.151	0.024	0.369	5.70E-10	-0.010	0.010	0.310	0.010	38.400	TRUE	1.35E-09
Overall asthma	TPCN2	cg01993067	rs7116054	T	C	-0.295	0.029	0.200	3.46E-24	-0.025	0.012	0.037	0.027	102.881	TRUE	6.84E-23
Overall asthma	TPCN2	cg01993067	rs72932523	A	G	0.518	0.042	0.085	4.89E-35	0.050	0.017	0.002	0.040	152.434	TRUE	8.81E-33
Overall asthma	TPCN2	cg02584610	rs1004989	A	G	-0.233	0.040	0.101	5.97E-09	-0.011	0.016	0.490	0.009	33.826	TRUE	1.10E-08
Overall asthma	TPCN2	cg02584610	rs1108714	A	G	0.140	0.025	0.322	1.53E-08	-0.010	0.010	0.320	0.009	31.996	TRUE	3.27E-08
Overall asthma	TPCN2	cg02584610	rs12417953	A	G	0.138	0.023	0.461	2.83E-09	-0.007	0.010	0.490	0.009	35.276	TRUE	5.37E-09
Overall asthma	TPCN2	cg02584610	rs58950526	G	T	0.349	0.023	0.473	3.84E-52	0.035	0.010	2.60E-04	0.059	230.749	TRUE	2.16E-48
Overall asthma	TPCN2	cg06837675	rs7925986	T	C	-0.144	0.026	0.261	3.54E-08	0.001	0.011	0.950	0.008	30.371	TRUE	4.47E-08
Overall asthma	TPCN2	cg12152352	rs1017641	C	T	0.154	0.024	0.374	1.21E-10	-0.008	0.010	0.430	0.011	41.432	TRUE	2.61E-10
Overall asthma	TPCN2	cg12152352	rs11228589	A	G	-0.236	0.032	0.173	1.41E-13	-0.006	0.013	0.630	0.015	54.657	TRUE	2.99E-13
Overall asthma	TPCN2	cg12152352	rs117940236	G	A	-0.289	0.037	0.117	2.63E-15	-0.002	0.015	0.910	0.017	62.493	TRUE	4.65E-15

Overall asthma	TPCN2	cg12152352	rs12270146	G	A	-0.228	0.028	0.229	2.69E-16	-0.014	0.011	0.210	0.018	66.980	TRUE	1.25E-15
Overall asthma	TPCN2	cg12152352	rs3019776	A	G	0.417	0.053	0.120	1.98E-15	0.037	0.016	0.021	0.017	63.051	TRUE	1.86E-14
Overall asthma	TPCN2	cg12152352	rs56005939	A	G	0.243	0.024	0.369	1.13E-23	-0.010	0.010	0.310	0.026	100.538	TRUE	7.61E-23
Overall asthma	TPCN2	cg12152352	rs7116054	T	C	-0.302	0.029	0.200	2.37E-25	-0.025	0.012	0.037	0.028	108.188	TRUE	5.32E-24
Overall asthma	TPCN2	cg12152352	rs72932540	G	A	0.361	0.042	0.086	1.30E-17	0.051	0.017	0.002	0.019	72.950	TRUE	2.68E-16
Overall asthma	TPCN2	cg12152352	rs79481933	A	G	-0.453	0.065	0.078	2.23E-12	-0.006	0.019	0.760	0.013	49.242	TRUE	3.93E-12
Overall asthma	TPCN2	cg16000022	rs1005858	C	T	-0.462	0.023	0.483	9.79E-90	0.035	0.010	2.10E-04	0.098	403.230	TRUE	6.32E-83
Overall asthma	TPCN2	cg16000022	rs11228508	G	C	0.263	0.042	0.094	4.71E-10	-0.011	0.016	0.520	0.010	38.775	TRUE	9.29E-10
Overall asthma	TPCN2	cg16000022	rs117940236	G	A	0.215	0.037	0.117	4.25E-09	-0.002	0.015	0.910	0.009	34.489	TRUE	5.68E-09
Overall asthma	TPCN2	cg16000022	rs12417953	A	G	-0.279	0.023	0.461	5.79E-33	-0.007	0.010	0.490	0.037	142.954	TRUE	6.42E-32
Overall asthma	TPCN2	cg16000022	rs3019776	A	G	-0.399	0.053	0.120	3.05E-14	0.037	0.016	0.021	0.015	57.668	TRUE	2.52E-13
Overall asthma	TPCN2	cg16000022	rs668576	G	A	0.179	0.026	0.297	2.69E-12	-0.015	0.011	0.170	0.013	48.876	TRUE	9.57E-12
Overall asthma	TPCN2	cg16000022	rs67943767	T	C	0.294	0.054	0.052	4.98E-08	-0.010	0.022	0.670	0.008	29.708	TRUE	7.60E-08
Overall asthma	TPCN2	cg16000022	rs930788	T	C	0.168	0.023	0.437	5.83E-13	0.003	0.010	0.750	0.014	51.874	TRUE	1.06E-12
Overall asthma	TPCN2	cg16709353	rs1004989	A	G	0.279	0.041	0.101	6.12E-12	-0.011	0.016	0.490	0.013	47.266	TRUE	1.36E-11
Overall asthma	TPCN2	cg16709353	rs11601194	G	A	0.487	0.069	0.031	1.83E-12	-0.025	0.027	0.360	0.013	49.630	TRUE	4.93E-12
Overall asthma	TPCN2	cg16709353	rs117940236	G	A	0.319	0.037	0.117	2.24E-18	-0.002	0.015	0.910	0.020	76.426	TRUE	4.67E-18
Overall asthma	TPCN2	cg16709353	rs12270146	G	A	0.236	0.028	0.229	2.42E-17	-0.014	0.011	0.210	0.019	71.729	TRUE	1.22E-16
Overall asthma	TPCN2	cg16709353	rs12577751	T	C	-0.477	0.066	0.030	4.24E-13	0.030	0.026	0.240	0.014	52.502	TRUE	1.39E-12
Overall asthma	TPCN2	cg16709353	rs3019776	A	G	-0.383	0.053	0.120	3.19E-13	0.037	0.016	0.021	0.014	53.059	TRUE	2.35E-12
Overall asthma	TPCN2	cg16709353	rs4930652	G	A	-0.739	0.021	0.482	7.29E-279	0.036	0.010	1.70E-04	0.256	1272.578	TRUE	3.25E-244
Overall asthma	TPCN2	cg16709353	rs56005939	A	G	-0.189	0.024	0.369	7.95E-15	-0.010	0.010	0.310	0.016	60.316	TRUE	2.67E-14
Overall asthma	TPCN2	cg16709353	rs67943767	T	C	0.379	0.054	0.052	1.78E-12	-0.010	0.022	0.670	0.013	49.683	TRUE	3.44E-12
Overall asthma	TPCN2	cg16709353	rs7116054	T	C	0.378	0.029	0.200	7.49E-39	-0.025	0.012	0.037	0.044	169.883	TRUE	8.00E-37
Overall asthma	TPCN2	cg16709353	rs72932540	G	A	-0.442	0.042	0.086	9.87E-26	0.051	0.017	0.002	0.029	109.926	TRUE	5.65E-24
Overall asthma	TPCN2	cg16709353	rs7940105	A	G	0.170	0.026	0.275	1.21E-10	-0.007	0.011	0.510	0.011	41.429	TRUE	2.44E-10
Overall asthma	TPCN2	cg16709353	rs79481933	A	G	0.464	0.065	0.078	6.77E-13	-0.006	0.019	0.760	0.014	51.583	TRUE	1.22E-12
Overall asthma	TPCN2	cg17467664	rs3019751	C	T	0.166	0.023	0.494	5.53E-13	-0.007	0.010	0.470	0.014	51.978	TRUE	1.34E-12
Overall asthma	TPCN2	cg17467664	rs3019757	G	A	-0.146	0.025	0.327	3.04E-09	-0.020	0.010	0.045	0.009	35.136	TRUE	1.20E-08
Overall asthma	TPCN2	cg18503234	rs1249368	A	T	0.216	0.026	0.296	3.90E-17	-0.013	0.011	0.210	0.019	70.788	TRUE	1.80E-16
Overall asthma	TPCN2	cg20256574	rs11828017	G	A	-0.156	0.025	0.337	1.85E-10	0.009	0.011	0.390	0.011	40.598	TRUE	4.10E-10
Overall asthma	TPCN2	cg22484980	rs67321931	A	C	0.175	0.026	0.274	1.67E-11	-0.013	0.011	0.230	0.012	45.296	TRUE	4.96E-11
Overall asthma	TPCN2	cg23247191	rs657157	A	G	-0.141	0.026	0.298	4.08E-08	0.008	0.010	0.470	0.008	30.093	TRUE	7.41E-08
Overall asthma	TPCN2	cg26433582	rs1249368	A	T	0.259	0.026	0.296	4.30E-24	-0.013	0.011	0.210	0.027	102.449	TRUE	3.57E-23
Overall asthma	TPCN2	cg26433582	rs55814684	C	T	0.165	0.026	0.295	1.31E-10	0.003	0.011	0.780	0.011	41.271	TRUE	2.06E-10
Overall asthma	TRAF1	cg04517263	rs1837	A	G	0.148	0.027	0.262	4.07E-08	0.016	0.011	0.140	0.008	30.100	TRUE	1.07E-07
Overall asthma	TRAF1	cg04517263	rs1930785	T	G	0.154	0.024	0.420	8.29E-11	0.011	0.010	0.260	0.011	42.165	TRUE	2.26E-10
Overall asthma	TRAF1	cg14064762	rs10985023	G	C	0.172	0.027	0.256	1.75E-10	0.017	0.011	0.110	0.011	40.701	TRUE	6.00E-10
Overall asthma	TRAF1	cg14064762	rs1930785	T	G	0.240	0.024	0.420	2.49E-24	0.011	0.010	0.260	0.027	103.532	TRUE	2.02E-23
Overall asthma	TRAF1	cg14392772	rs10985070	C	A	-0.217	0.023	0.431	1.53E-20	0.011	0.010	0.240	0.023	86.271	TRUE	8.98E-20
Overall asthma	TRAF1	cg14518276	rs10739575	G	A	0.179	0.032	0.167	2.12E-08	0.010	0.013	0.440	0.008	31.361	TRUE	3.95E-08
Overall asthma	TRAF1	cg14518276	rs6478486	T	C	0.348	0.024	0.344	3.07E-46	0.022	0.010	0.029	0.052	203.705	TRUE	9.90E-44

Overall asthma	TRAF1	cg14518276	rs74971050	T	C	-0.195	0.032	0.158	8.73E-10	0.002	0.013	0.880	0.010	37.569	TRUE	1.24E-09
Overall asthma	TRAF1	cg14518276	rs7872790	T	A	0.182	0.030	0.203	8.88E-10	0.018	0.012	0.130	0.010	37.537	TRUE	2.77E-09
Overall asthma	TRAF1	cg15551881	rs2300930	A	C	0.331	0.041	0.096	1.17E-15	-0.026	0.017	0.130	0.017	64.093	TRUE	6.23E-15
Overall asthma	TRAF1	cg15551881	rs2300936	G	A	0.247	0.043	0.089	8.23E-09	0.028	0.017	0.100	0.009	33.203	TRUE	2.56E-08
Overall asthma	TRAF1	cg15551881	rs7021049	G	T	0.282	0.023	0.434	1.91E-33	0.015	0.010	0.120	0.038	145.151	TRUE	5.92E-32
Overall asthma	TRAF1	cg15551881	rs914842	A	G	0.186	0.028	0.224	4.97E-11	0.022	0.011	0.047	0.012	43.164	TRUE	2.37E-10
Overall asthma	TRAF1	cg21152671	rs1008381	T	C	0.494	0.024	0.341	4.77E-93	0.021	0.010	0.033	0.102	418.439	TRUE	3.39E-87
Overall asthma	TRAF1	cg21152671	rs17220750	A	G	0.243	0.040	0.090	1.35E-09	-0.008	0.016	0.630	0.010	36.724	TRUE	2.28E-09
Overall asthma	TRAF1	cg21152671	rs1975468	C	A	0.189	0.032	0.165	1.83E-09	0.001	0.013	0.940	0.010	36.127	TRUE	2.44E-09
Overall asthma	TRAF1	cg21152671	rs2109890	G	T	0.391	0.052	0.054	4.02E-14	-0.046	0.020	0.025	0.015	57.129	TRUE	3.24E-13
Overall asthma	TRAF1	cg21152671	rs4837839	T	C	-0.177	0.023	0.456	3.56E-14	-0.002	0.010	0.840	0.015	57.366	TRUE	6.42E-14
Overall asthma	TRAF1	cg21152671	rs72760268	T	C	-0.589	0.086	0.017	9.01E-12	-0.042	0.035	0.230	0.012	46.507	TRUE	2.76E-11
Overall asthma	TRAF1	cg21152671	rs75780782	T	C	0.387	0.050	0.060	1.58E-14	0.032	0.019	0.097	0.016	58.964	TRUE	8.54E-14
Overall asthma	TRAF1	cg21241889	rs10739575	G	A	0.219	0.032	0.167	7.73E-12	0.010	0.013	0.440	0.012	46.808	TRUE	1.79E-11
Overall asthma	TRAF1	cg21241889	rs150211503	T	C	-0.367	0.062	0.031	3.77E-09	-0.015	0.026	0.550	0.009	34.718	TRUE	6.62E-09
Overall asthma	TRAF1	cg21241889	rs2109890	G	T	0.315	0.052	0.054	1.13E-09	-0.046	0.020	0.025	0.010	37.066	TRUE	5.55E-09
Overall asthma	TRAF1	cg21241889	rs3747846	G	A	-0.273	0.045	0.078	1.02E-09	-0.002	0.018	0.900	0.010	37.274	TRUE	1.42E-09
Overall asthma	TRAF1	cg21241889	rs446038	A	G	0.175	0.030	0.172	6.37E-09	0.008	0.012	0.530	0.009	33.701	TRUE	1.14E-08
Overall asthma	TRAF1	cg21241889	rs62578405	T	C	-0.711	0.046	0.076	5.60E-54	-0.036	0.019	0.053	0.061	239.166	TRUE	3.45E-51
Overall asthma	TRAF1	cg21241889	rs6478484	T	C	0.477	0.024	0.345	4.33E-87	0.019	0.010	0.052	0.096	391.083	TRUE	6.59E-82
Overall asthma	TRAF1	cg21241889	rs7047206	T	G	-0.138	0.025	0.316	4.84E-08	-0.005	0.011	0.640	0.008	29.762	TRUE	7.45E-08
Overall asthma	TRAPPC2L	cg07364608	rs143200032	T	C	-0.622	0.092	0.020	1.51E-11	-0.049	0.028	0.083	0.012	45.493	TRUE	6.48E-11
Overall asthma	TRAPPC2L	cg13074209	rs34150867	G	C	-0.142	0.026	0.303	2.96E-08	-0.026	0.011	0.013	0.008	30.715	TRUE	1.27E-07
Overall asthma	TRAPPC2L	cg13074209	rs9927176	T	A	-0.862	0.081	0.028	2.53E-26	-0.051	0.028	0.068	0.030	112.623	TRUE	4.86E-25
Overall asthma	TRIM27	cg00259404	rs11752815	G	A	-0.250	0.043	0.080	4.96E-09	0.042	0.017	0.013	0.009	34.188	TRUE	2.48E-08
Overall asthma	TRIM27	cg00259404	rs209140	A	G	-0.277	0.026	0.247	8.39E-26	0.010	0.011	0.350	0.029	110.249	TRUE	6.13E-25
Overall asthma	TRIM27	cg01928896	rs3135321	G	A	0.162	0.023	0.491	3.99E-12	0.016	0.010	0.095	0.013	48.102	TRUE	1.73E-11
Overall asthma	TRIM27	cg02465979	rs116042790	T	C	-1.572	0.112	0.011	6.22E-45	-0.038	0.046	0.410	0.051	197.721	TRUE	2.75E-43
Overall asthma	TRIM27	cg02465979	rs140396177	G	A	-0.805	0.090	0.014	4.86E-19	0.061	0.035	0.081	0.021	79.443	TRUE	4.20E-18
Overall asthma	TRIM27	cg02639080	rs113000237	A	G	-0.553	0.041	0.083	2.25E-41	0.045	0.017	0.006	0.047	181.428	TRUE	6.69E-39
Overall asthma	TRIM27	cg02639080	rs114357009	A	G	-0.556	0.052	0.048	6.73E-27	0.033	0.022	0.130	0.030	115.247	TRUE	9.93E-26
Overall asthma	TRIM27	cg02639080	rs115318295	A	T	-0.686	0.025	0.254	2.53E-164	0.010	0.011	0.340	0.168	745.915	TRUE	5.99E-152
Overall asthma	TRIM27	cg02639080	rs1233387	T	C	-0.225	0.027	0.230	3.06E-16	-0.021	0.011	0.056	0.018	66.729	TRUE	2.30E-15
Overall asthma	TRIM27	cg02639080	rs16894128	G	A	0.223	0.035	0.131	1.78E-10	-0.023	0.014	0.100	0.011	40.673	TRUE	6.45E-10
Overall asthma	TRIM27	cg02639080	rs2859379	T	C	-0.444	0.068	0.027	6.26E-11	-0.021	0.026	0.410	0.011	42.715	TRUE	1.41E-10
Overall asthma	TRIM27	cg02639080	rs3129791	A	G	0.401	0.037	0.115	9.13E-28	0.045	0.015	0.002	0.031	119.208	TRUE	6.78E-26
Overall asthma	TRIM27	cg02639080	rs35604709	A	G	-0.528	0.048	0.062	1.22E-28	-0.019	0.020	0.350	0.032	123.205	TRUE	1.20E-27
Overall asthma	TRIM27	cg02639080	rs4084097	C	T	-0.261	0.046	0.068	1.98E-08	-0.022	0.020	0.270	0.008	31.493	TRUE	4.44E-08
Overall asthma	TRIM27	cg02639080	rs41316606	T	A	-0.450	0.070	0.031	1.45E-10	-0.016	0.025	0.530	0.011	41.078	TRUE	2.86E-10
Overall asthma	TRIM27	cg02639080	rs7750106	A	C	-0.362	0.055	0.046	6.99E-11	0.007	0.023	0.770	0.011	42.498	TRUE	1.14E-10
Overall asthma	TRIM27	cg03246690	rs115493717	A	G	-0.535	0.096	0.016	2.30E-08	-0.036	0.040	0.370	0.008	31.205	TRUE	4.60E-08
Overall asthma	TRIM27	cg03270340	rs1233387	T	C	0.152	0.028	0.230	3.28E-08	-0.021	0.011	0.056	0.008	30.519	TRUE	1.10E-07

Overall asthma	TRIM27	cg03270340	rs2531805	C	T	0.228	0.023	0.486	1.78E-22	-0.009	0.010	0.350	0.025	95.085	TRUE	1.02E-21
Overall asthma	TRIM27	cg03270340	rs3094574	A	G	0.193	0.024	0.437	4.42E-16	-0.013	0.010	0.190	0.018	66.003	TRUE	2.14E-15
Overall asthma	TRIM27	cg03270340	rs3128871	C	T	0.181	0.027	0.257	1.91E-11	-0.026	0.011	0.018	0.012	45.033	TRUE	1.20E-10
Overall asthma	TRIM27	cg03270340	rs3129791	A	G	-1.059	0.035	0.115	2.87E-204	0.045	0.015	0.002	0.201	929.556	TRUE	8.17E-184
Overall asthma	TRIM27	cg03270340	rs9257572	T	G	-0.279	0.024	0.426	1.91E-32	0.012	0.010	0.210	0.037	140.579	TRUE	3.81E-31
Overall asthma	TRIM27	cg04835383	rs115318295	A	T	-0.200	0.026	0.254	1.19E-14	0.010	0.011	0.340	0.016	59.519	TRUE	3.70E-14
Overall asthma	TRIM27	cg05216056	rs115451991	A	C	-0.829	0.110	0.013	4.66E-14	-0.015	0.047	0.750	0.015	56.838	TRUE	9.05E-14
Overall asthma	TRIM27	cg05216056	rs115537782	A	G	-0.841	0.101	0.013	6.18E-17	0.006	0.035	0.870	0.019	69.880	TRUE	1.24E-16
Overall asthma	TRIM27	cg05216056	rs172164	G	A	-0.401	0.055	0.042	2.90E-13	0.006	0.021	0.770	0.014	53.244	TRUE	5.30E-13
Overall asthma	TRIM27	cg05216056	rs202145819	G	A	-0.523	0.094	0.018	2.41E-08	0.038	0.037	0.310	0.008	31.115	TRUE	5.15E-08
Overall asthma	TRIM27	cg05216056	rs209140	A	G	-0.927	0.023	0.247	<1E-200	0.010	0.011	0.350	0.310	1663.720	TRUE	<1E-200
Overall asthma	TRIM27	cg05216056	rs213231	T	G	-0.530	0.052	0.051	5.96E-24	0.005	0.022	0.810	0.027	101.806	TRUE	1.98E-23
Overall asthma	TRIM27	cg05216056	rs2859379	T	C	-0.552	0.068	0.027	4.43E-16	-0.021	0.026	0.410	0.018	66.000	TRUE	1.41E-15
Overall asthma	TRIM27	cg05216056	rs35604709	A	G	-0.588	0.047	0.062	3.17E-35	-0.019	0.020	0.350	0.040	153.296	TRUE	5.83E-34
Overall asthma	TRIM27	cg05216056	rs36050447	T	C	-0.615	0.076	0.025	8.66E-16	-0.018	0.027	0.490	0.017	64.678	TRUE	2.42E-15
Overall asthma	TRIM27	cg05216056	rs388017	T	C	0.375	0.063	0.035	2.52E-09	-0.008	0.025	0.740	0.010	35.503	TRUE	3.88E-09
Overall asthma	TRIM27	cg05216056	rs4947263	T	C	0.490	0.036	0.118	1.15E-41	0.048	0.014	9.60E-04	0.047	182.771	TRUE	9.44E-39
Overall asthma	TRIM27	cg05216056	rs55740552	G	T	-0.613	0.048	0.060	1.46E-37	0.007	0.021	0.730	0.042	163.981	TRUE	1.62E-36
Overall asthma	TRIM27	cg05216056	rs6933976	A	G	-0.354	0.028	0.223	6.02E-37	-0.010	0.011	0.390	0.042	161.169	TRUE	1.21E-35
Overall asthma	TRIM27	cg05216056	rs73396583	C	T	-0.651	0.038	0.097	8.91E-67	0.032	0.016	0.041	0.075	297.856	TRUE	4.49E-63
Overall asthma	TRIM27	cg05216056	rs75524239	C	T	-0.277	0.038	0.104	5.68E-13	-0.009	0.017	0.590	0.014	51.926	TRUE	1.20E-12
Overall asthma	TRIM27	cg05314350	rs115318295	A	T	-0.343	0.026	0.254	5.56E-40	0.010	0.011	0.340	0.045	175.052	TRUE	1.59E-38
Overall asthma	TRIM27	cg05314350	rs1535039	C	T	0.212	0.036	0.118	5.32E-09	0.052	0.014	3.20E-04	0.009	34.049	TRUE	5.20E-08
Overall asthma	TRIM27	cg05314350	rs2859358	A	T	-0.230	0.032	0.163	3.49E-13	-0.015	0.013	0.240	0.014	52.884	TRUE	1.16E-12
Overall asthma	TRIM27	cg07162905	rs1029328	C	T	0.194	0.034	0.135	1.46E-08	-0.022	0.014	0.110	0.009	32.094	TRUE	4.24E-08
Overall asthma	TRIM27	cg07162905	rs115318295	A	T	-0.624	0.025	0.254	4.10E-134	0.010	0.011	0.340	0.141	607.080	TRUE	2.59E-125
Overall asthma	TRIM27	cg07162905	rs117929666	C	G	-0.465	0.080	0.022	6.19E-09	-0.016	0.031	0.610	0.009	33.757	TRUE	1.04E-08
Overall asthma	TRIM27	cg07162905	rs1233388	G	A	-0.209	0.030	0.183	1.85E-12	-0.041	0.012	7.30E-04	0.013	49.613	TRUE	2.58E-11
Overall asthma	TRIM27	cg07162905	rs209139	A	C	-0.490	0.049	0.057	6.37E-24	0.021	0.020	0.310	0.027	101.672	TRUE	4.59E-23
Overall asthma	TRIM27	cg07162905	rs213232	G	A	-0.144	0.024	0.381	2.52E-09	0.021	0.010	0.034	0.010	35.503	TRUE	1.10E-08
Overall asthma	TRIM27	cg07162905	rs2859379	T	C	-0.449	0.068	0.027	3.64E-11	-0.021	0.026	0.410	0.012	43.773	TRUE	8.31E-11
Overall asthma	TRIM27	cg07162905	rs35604709	A	G	-0.357	0.048	0.062	6.76E-14	-0.019	0.020	0.350	0.015	56.108	TRUE	2.04E-13
Overall asthma	TRIM27	cg07162905	rs41316606	T	A	-0.589	0.070	0.031	3.43E-17	-0.016	0.025	0.530	0.019	71.040	TRUE	1.03E-16
Overall asthma	TRIM27	cg07162905	rs79130209	A	G	-0.471	0.066	0.030	1.16E-12	0.062	0.025	0.013	0.013	50.532	TRUE	8.96E-12
Overall asthma	TRIM27	cg08125020	rs115318295	A	T	-0.518	0.026	0.254	2.03E-91	0.010	0.011	0.340	0.100	410.960	TRUE	1.10E-86
Overall asthma	TRIM27	cg08125020	rs117929666	C	G	-0.572	0.080	0.022	6.33E-13	-0.016	0.031	0.610	0.014	51.714	TRUE	1.33E-12
Overall asthma	TRIM27	cg08125020	rs2859379	T	C	-0.371	0.068	0.027	3.94E-08	-0.021	0.026	0.410	0.008	30.163	TRUE	7.38E-08
Overall asthma	TRIM27	cg08125020	rs35604709	A	G	-0.333	0.048	0.062	2.59E-12	-0.019	0.020	0.350	0.013	48.947	TRUE	7.02E-12
Overall asthma	TRIM27	cg08125020	rs388017	T	C	0.350	0.062	0.035	2.02E-08	-0.008	0.025	0.740	0.008	31.455	TRUE	2.98E-08
Overall asthma	TRIM27	cg08125020	rs55740552	G	T	-0.289	0.048	0.060	1.80E-09	0.007	0.021	0.730	0.010	36.161	TRUE	2.80E-09
Overall asthma	TRIM27	cg08125020	rs67998226	C	T	0.243	0.037	0.113	3.03E-11	0.046	0.015	0.002	0.012	44.133	TRUE	2.86E-10
Overall asthma	TRIM27	cg08125020	rs6933976	A	G	-0.197	0.028	0.223	1.73E-12	-0.010	0.011	0.390	0.013	49.746	TRUE	4.52E-12

Overall asthma	TRIM27	cg08125020	rs7742858	T	C	-0.375	0.041	0.083	1.06E-19	0.046	0.017	0.006	0.022	82.449	TRUE	2.21E-18
Overall asthma	TRIM27	cg09292581	rs3129793	A	G	-0.127	0.023	0.490	3.68E-08	0.014	0.010	0.130	0.008	30.297	TRUE	9.81E-08
Overall asthma	TRIM27	cg09409585	rs113000237	A	G	-0.365	0.041	0.083	9.36E-19	0.045	0.017	0.006	0.021	78.147	TRUE	1.67E-17
Overall asthma	TRIM27	cg09409585	rs114357009	A	G	-0.328	0.052	0.048	3.02E-10	0.033	0.022	0.130	0.011	39.640	TRUE	9.84E-10
Overall asthma	TRIM27	cg09409585	rs2253518	G	A	0.212	0.032	0.157	4.70E-11	-0.035	0.013	0.009	0.012	43.276	TRUE	3.44E-10
Overall asthma	TRIM27	cg09409585	rs35403242	A	G	-0.348	0.048	0.063	2.57E-13	-0.019	0.020	0.350	0.014	53.482	TRUE	7.47E-13
Overall asthma	TRIM27	cg09409585	rs41316606	T	A	-0.383	0.070	0.031	4.67E-08	-0.016	0.025	0.530	0.008	29.832	TRUE	7.97E-08
Overall asthma	TRIM27	cg09409585	rs6904975	A	G	-0.421	0.024	0.364	4.81E-71	-0.001	0.010	0.940	0.079	317.434	TRUE	1.99E-68
Overall asthma	TRIM27	cg09444060	rs115318295	A	T	-0.275	0.026	0.254	8.89E-27	0.010	0.011	0.340	0.030	114.696	TRUE	7.13E-26
Overall asthma	TRIM27	cg09855662	rs13437444	T	C	-0.199	0.029	0.213	7.23E-12	0.005	0.011	0.640	0.013	46.939	TRUE	1.40E-11
Overall asthma	TRIM27	cg09855662	rs3128871	C	T	0.158	0.027	0.257	5.26E-09	-0.026	0.011	0.018	0.009	34.073	TRUE	2.47E-08
Overall asthma	TRIM27	cg09855662	rs35560946	T	C	-0.306	0.025	0.303	1.64E-33	0.026	0.010	0.011	0.038	145.460	TRUE	1.64E-31
Overall asthma	TRIM27	cg09855662	rs6904975	A	G	-0.163	0.024	0.364	1.42E-11	-0.001	0.010	0.940	0.012	45.620	TRUE	2.07E-11
Overall asthma	TRIM27	cg10401017	rs1029328	C	T	0.262	0.034	0.135	2.01E-14	-0.022	0.014	0.110	0.016	58.494	TRUE	9.91E-14
Overall asthma	TRIM27	cg10401017	rs115451991	A	C	-0.928	0.110	0.013	2.84E-17	-0.015	0.047	0.750	0.019	71.411	TRUE	6.63E-17
Overall asthma	TRIM27	cg10401017	rs115537782	A	G	-0.876	0.101	0.013	3.03E-18	0.006	0.035	0.870	0.020	75.827	TRUE	6.56E-18
Overall asthma	TRIM27	cg10401017	rs202145819	G	A	-0.555	0.094	0.018	3.11E-09	0.038	0.037	0.310	0.009	35.093	TRUE	7.09E-09
Overall asthma	TRIM27	cg10401017	rs209140	A	G	-1.063	0.020	0.247	<1E-200	0.010	0.011	0.350	0.434	2835.038	TRUE	<1E-200
Overall asthma	TRIM27	cg10401017	rs213231	T	G	-0.656	0.052	0.051	4.91E-36	0.005	0.022	0.810	0.041	156.997	TRUE	4.23E-35
Overall asthma	TRIM27	cg10401017	rs2859379	T	C	-0.658	0.068	0.027	2.63E-22	-0.021	0.026	0.410	0.025	94.307	TRUE	1.33E-21
Overall asthma	TRIM27	cg10401017	rs3135316	G	A	0.493	0.037	0.116	1.97E-41	0.044	0.015	0.002	0.047	181.696	TRUE	8.43E-39
Overall asthma	TRIM27	cg10401017	rs35604709	A	G	-0.721	0.047	0.062	1.07E-52	-0.019	0.020	0.350	0.059	233.297	TRUE	1.42E-50
Overall asthma	TRIM27	cg10401017	rs36050447	T	C	-0.669	0.076	0.025	1.79E-18	-0.018	0.027	0.490	0.020	76.863	TRUE	6.01E-18
Overall asthma	TRIM27	cg10401017	rs388017	T	C	0.424	0.063	0.035	1.48E-11	-0.008	0.025	0.740	0.012	45.530	TRUE	2.55E-11
Overall asthma	TRIM27	cg10401017	rs55740552	G	T	-0.663	0.048	0.060	8.20E-44	0.007	0.021	0.730	0.049	192.593	TRUE	1.69E-42
Overall asthma	TRIM27	cg10401017	rs62401446	A	G	-0.581	0.092	0.019	3.13E-10	-0.098	0.034	0.004	0.011	39.573	TRUE	2.30E-09
Overall asthma	TRIM27	cg10401017	rs6933976	A	G	-0.397	0.028	0.223	2.78E-46	-0.010	0.011	0.390	0.052	203.906	TRUE	1.54E-44
Overall asthma	TRIM27	cg10401017	rs72846802	G	A	0.306	0.053	0.058	9.83E-09	-0.045	0.020	0.024	0.009	32.858	TRUE	4.21E-08
Overall asthma	TRIM27	cg10401017	rs73396583	C	T	-0.759	0.037	0.097	2.73E-91	0.032	0.016	0.041	0.100	410.368	TRUE	1.13E-85
Overall asthma	TRIM27	cg10401017	rs75524239	C	T	-0.320	0.038	0.104	7.96E-17	-0.009	0.017	0.590	0.018	69.382	TRUE	2.12E-16
Overall asthma	TRIM27	cg10401017	rs77074408	A	T	0.616	0.112	0.011	3.75E-08	-0.008	0.053	0.880	0.008	30.256	TRUE	4.96E-08
Overall asthma	TRIM27	cg10401017	rs9348782	A	G	-0.438	0.051	0.050	1.54E-17	0.014	0.021	0.520	0.019	72.622	TRUE	4.84E-17
Overall asthma	TRIM27	cg10718056	rs115318295	A	T	-0.279	0.026	0.254	2.50E-27	0.010	0.011	0.340	0.031	117.209	TRUE	2.10E-26
Overall asthma	TRIM27	cg10718056	rs16893552	A	G	-0.256	0.042	0.079	1.41E-09	0.040	0.017	0.017	0.010	36.638	TRUE	7.05E-09
Overall asthma	TRIM27	cg10718056	rs35604709	A	G	-0.293	0.047	0.062	5.09E-10	-0.019	0.020	0.350	0.010	38.623	TRUE	1.17E-09
Overall asthma	TRIM27	cg10718056	rs6933976	A	G	-0.172	0.028	0.223	5.45E-10	-0.010	0.011	0.390	0.010	38.489	TRUE	1.20E-09
Overall asthma	TRIM27	cg11073024	rs1029328	C	T	-0.297	0.034	0.135	3.36E-18	-0.022	0.014	0.110	0.020	75.627	TRUE	2.33E-17
Overall asthma	TRIM27	cg11073024	rs115486666	A	C	-0.516	0.076	0.027	1.06E-11	0.024	0.028	0.390	0.012	46.188	TRUE	2.59E-11
Overall asthma	TRIM27	cg11073024	rs115651187	G	C	-0.392	0.044	0.085	4.03E-19	-0.018	0.018	0.320	0.021	79.809	TRUE	1.88E-18
Overall asthma	TRIM27	cg11073024	rs117929666	C	G	0.461	0.080	0.022	8.55E-09	-0.016	0.031	0.610	0.009	33.129	TRUE	1.42E-08
Overall asthma	TRIM27	cg11073024	rs149952	T	C	0.331	0.051	0.047	1.27E-10	0.009	0.021	0.650	0.011	41.325	TRUE	2.24E-10
Overall asthma	TRIM27	cg11073024	rs1794587	C	A	0.730	0.022	0.491	4.15E-246	0.017	0.010	0.078	0.233	1121.943	TRUE	3.20E-220

Overall asthma	TRIM27	cg11073024	rs2071966	G	T	0.363	0.041	0.086	8.98E-19	-0.010	0.017	0.550	0.021	78.229	TRUE	2.88E-18
Overall asthma	TRIM27	cg11073024	rs2074466	A	C	0.273	0.033	0.147	1.01E-16	-0.025	0.013	0.064	0.018	68.918	TRUE	8.04E-16
Overall asthma	TRIM27	cg11073024	rs2232428	T	C	0.464	0.036	0.105	5.19E-37	0.019	0.015	0.180	0.042	161.464	TRUE	1.67E-35
Overall asthma	TRIM27	cg11073024	rs2253518	G	A	-0.275	0.032	0.157	1.14E-17	-0.035	0.013	0.009	0.019	73.208	TRUE	1.86E-16
Overall asthma	TRIM27	cg11073024	rs2523422	A	G	-0.254	0.027	0.252	9.96E-21	0.011	0.011	0.300	0.023	87.123	TRUE	5.26E-20
Overall asthma	TRIM27	cg11073024	rs66487884	G	C	0.264	0.040	0.101	4.89E-11	-0.027	0.016	0.096	0.012	43.197	TRUE	1.92E-10
Overall asthma	TRIM27	cg11073024	rs6920512	G	A	-0.286	0.045	0.070	1.41E-10	-0.022	0.018	0.210	0.011	41.128	TRUE	3.99E-10
Overall asthma	TRIM27	cg11073024	rs72831442	G	A	0.259	0.044	0.072	5.31E-09	-0.030	0.019	0.120	0.009	34.053	TRUE	1.62E-08
Overall asthma	TRIM27	cg11073024	rs9257331	A	G	0.399	0.037	0.114	2.57E-27	0.045	0.015	0.002	0.031	117.154	TRUE	1.80E-25
Overall asthma	TRIM27	cg11073024	rs9257448	G	A	0.381	0.047	0.068	5.19E-16	-0.017	0.019	0.360	0.017	65.689	TRUE	1.75E-15
Overall asthma	TRIM27	cg11886965	rs1029328	C	T	0.193	0.034	0.135	1.76E-08	-0.022	0.014	0.110	0.009	31.729	TRUE	5.08E-08
Overall asthma	TRIM27	cg11886965	rs114289137	A	C	-0.432	0.066	0.030	6.73E-11	0.062	0.025	0.012	0.011	42.573	TRUE	4.24E-10
Overall asthma	TRIM27	cg11886965	rs115318295	A	T	-0.651	0.025	0.254	1.67E-146	0.010	0.011	0.340	0.152	664.019	TRUE	2.63E-136
Overall asthma	TRIM27	cg11886965	rs116042790	T	C	0.851	0.113	0.011	5.86E-14	-0.038	0.046	0.410	0.015	56.386	TRUE	1.63E-13
Overall asthma	TRIM27	cg11886965	rs117929666	C	G	-0.511	0.080	0.022	1.75E-10	-0.016	0.031	0.610	0.011	40.704	TRUE	3.19E-10
Overall asthma	TRIM27	cg11886965	rs209139	A	C	-0.506	0.049	0.057	2.57E-25	0.021	0.020	0.310	0.028	108.030	TRUE	2.09E-24
Overall asthma	TRIM27	cg11886965	rs2859379	T	C	-0.388	0.068	0.027	1.17E-08	-0.021	0.026	0.410	0.009	32.523	TRUE	2.26E-08
Overall asthma	TRIM27	cg11886965	rs56299902	G	A	-0.551	0.061	0.035	2.96E-19	-0.056	0.027	0.035	0.021	80.420	TRUE	3.45E-18
Overall asthma	TRIM27	cg11886965	rs731132	G	T	0.156	0.025	0.392	1.85E-10	-0.007	0.010	0.480	0.011	40.594	TRUE	3.79E-10
Overall asthma	TRIM27	cg11886965	rs9283885	A	G	-0.210	0.028	0.213	1.38E-13	-0.010	0.011	0.390	0.015	54.709	TRUE	3.93E-13
Overall asthma	TRIM27	cg12896170	rs1029328	C	T	0.215	0.034	0.135	3.67E-10	-0.022	0.014	0.110	0.011	39.259	TRUE	1.24E-09
Overall asthma	TRIM27	cg12896170	rs114124258	T	C	-0.511	0.065	0.031	2.97E-15	0.059	0.025	0.017	0.017	62.250	TRUE	2.84E-14
Overall asthma	TRIM27	cg12896170	rs115318295	A	T	-0.670	0.025	0.254	1.59E-156	0.010	0.011	0.340	0.161	710.076	TRUE	3.97E-145
Overall asthma	TRIM27	cg12896170	rs1233387	T	C	-0.230	0.027	0.230	6.62E-17	-0.021	0.011	0.056	0.019	69.747	TRUE	5.32E-16
Overall asthma	TRIM27	cg12896170	rs209139	A	C	-0.509	0.049	0.057	1.46E-25	0.021	0.020	0.310	0.029	109.145	TRUE	1.22E-24
Overall asthma	TRIM27	cg12896170	rs3135316	G	A	0.261	0.037	0.116	1.63E-12	0.044	0.015	0.002	0.013	49.858	TRUE	1.67E-11
Overall asthma	TRIM27	cg12896170	rs35604709	A	G	-0.488	0.048	0.062	1.14E-24	-0.019	0.020	0.350	0.028	105.077	TRUE	7.96E-24
Overall asthma	TRIM27	cg12896170	rs41316606	T	A	-0.486	0.070	0.031	4.02E-12	-0.016	0.025	0.530	0.013	48.091	TRUE	8.72E-12
Overall asthma	TRIM27	cg12896170	rs76683848	C	G	0.612	0.109	0.011	1.94E-08	-0.008	0.052	0.870	0.008	31.539	TRUE	2.60E-08
Overall asthma	TRIM27	cg12896170	rs77983937	G	A	-0.473	0.066	0.031	1.13E-12	0.003	0.027	0.900	0.013	50.571	TRUE	1.79E-12
Overall asthma	TRIM27	cg13060704	rs6904975	A	G	-0.221	0.024	0.364	4.72E-20	-0.001	0.010	0.940	0.022	84.046	TRUE	1.06E-19
Overall asthma	TRIM27	cg14059339	rs55740552	G	T	-0.282	0.048	0.060	3.30E-09	0.007	0.021	0.730	0.009	34.977	TRUE	5.07E-09
Overall asthma	TRIM27	cg15613012	rs113000237	A	G	-0.257	0.041	0.083	5.49E-10	0.045	0.017	0.006	0.010	38.475	TRUE	3.42E-09
Overall asthma	TRIM27	cg15613012	rs114357009	A	G	-0.288	0.052	0.048	3.13E-08	0.033	0.022	0.130	0.008	30.608	TRUE	8.53E-08
Overall asthma	TRIM27	cg15613012	rs115318295	A	T	-0.399	0.026	0.254	1.83E-53	0.010	0.011	0.340	0.060	236.811	TRUE	2.53E-51
Overall asthma	TRIM27	cg15613012	rs35604709	A	G	-0.384	0.048	0.062	6.46E-16	-0.019	0.020	0.350	0.017	65.257	TRUE	2.26E-15
Overall asthma	TRIM27	cg16061301	rs113000237	A	G	-0.367	0.041	0.083	6.40E-19	0.045	0.017	0.006	0.021	78.898	TRUE	1.16E-17
Overall asthma	TRIM27	cg16061301	rs114357009	A	G	-0.450	0.052	0.048	4.43E-18	0.033	0.022	0.130	0.020	75.081	TRUE	2.86E-17
Overall asthma	TRIM27	cg16061301	rs115318295	A	T	-0.736	0.023	0.254	5.57E-233	0.010	0.011	0.340	0.223	1061.573	TRUE	1.74E-210
Overall asthma	TRIM27	cg16061301	rs117929666	C	G	-0.562	0.080	0.022	2.24E-12	-0.016	0.031	0.610	0.013	49.239	TRUE	4.54E-12
Overall asthma	TRIM27	cg16061301	rs1233387	T	C	-0.161	0.028	0.230	4.84E-09	-0.021	0.011	0.056	0.009	34.236	TRUE	1.78E-08
Overall asthma	TRIM27	cg16061301	rs13437444	T	C	0.282	0.029	0.213	2.04E-22	0.005	0.011	0.640	0.025	94.815	TRUE	7.71E-22

Overall asthma	TRIM27	cg16061301	rs35604709	A	G	-0.410	0.048	0.062	6.92E-18	-0.019	0.020	0.350	0.020	74.200	TRUE	2.81E-17
Overall asthma	TRIM27	cg16061301	rs41316606	T	A	-0.558	0.070	0.031	1.47E-15	-0.016	0.025	0.530	0.017	63.640	TRUE	3.96E-15
Overall asthma	TRIM27	cg16061301	rs6936343	T	C	0.243	0.042	0.092	5.29E-09	-0.022	0.016	0.180	0.009	34.061	TRUE	1.44E-08
Overall asthma	TRIM27	cg16754082	rs13437444	T	C	0.207	0.029	0.213	1.16E-12	0.005	0.011	0.640	0.013	50.523	TRUE	2.36E-12
Overall asthma	TRIM27	cg16754082	rs209140	A	G	-0.505	0.026	0.247	3.04E-84	0.010	0.011	0.350	0.093	378.012	TRUE	4.43E-80
Overall asthma	TRIM27	cg16754082	rs41316606	T	A	-0.476	0.070	0.031	1.03E-11	-0.016	0.025	0.530	0.012	46.254	TRUE	2.17E-11
Overall asthma	TRIM27	cg16754082	rs55740552	G	T	-0.263	0.048	0.060	4.96E-08	0.007	0.021	0.730	0.008	29.715	TRUE	7.20E-08
Overall asthma	TRIM27	cg16754082	rs56299902	G	A	-0.481	0.061	0.035	5.54E-15	-0.056	0.027	0.035	0.016	61.027	TRUE	4.16E-14
Overall asthma	TRIM27	cg16754082	rs73396583	C	T	-0.253	0.038	0.097	4.39E-11	0.032	0.016	0.041	0.012	43.409	TRUE	2.10E-10
Overall asthma	TRIM27	cg17666981	rs115196926	T	C	0.485	0.043	0.082	6.79E-29	-0.028	0.017	0.110	0.033	124.362	TRUE	1.42E-27
Overall asthma	TRIM27	cg17666981	rs115486666	A	C	0.494	0.076	0.027	8.24E-11	0.024	0.028	0.390	0.011	42.178	TRUE	1.89E-10
Overall asthma	TRIM27	cg17666981	rs115651187	G	C	0.433	0.044	0.085	6.50E-23	-0.018	0.018	0.320	0.026	97.074	TRUE	4.11E-22
Overall asthma	TRIM27	cg17666981	rs117929666	C	G	-0.995	0.080	0.022	6.86E-36	-0.016	0.031	0.610	0.041	156.334	TRUE	8.08E-35
Overall asthma	TRIM27	cg17666981	rs12199114	C	G	0.472	0.060	0.037	4.80E-15	-0.012	0.025	0.630	0.016	61.307	TRUE	1.11E-14
Overall asthma	TRIM27	cg17666981	rs149957	T	G	-0.579	0.045	0.062	7.28E-38	0.014	0.018	0.440	0.043	165.366	TRUE	1.42E-36
Overall asthma	TRIM27	cg17666981	rs16894128	G	A	0.460	0.035	0.131	3.48E-40	-0.023	0.014	0.100	0.045	175.982	TRUE	2.54E-38
Overall asthma	TRIM27	cg17666981	rs184654684	G	A	0.432	0.079	0.025	4.06E-08	-0.009	0.029	0.770	0.008	30.105	TRUE	5.77E-08
Overall asthma	TRIM27	cg17666981	rs3117193	T	C	0.279	0.024	0.394	1.33E-30	-0.012	0.010	0.230	0.034	132.167	TRUE	2.11E-29
Overall asthma	TRIM27	cg17666981	rs3135316	G	A	-0.731	0.036	0.116	1.59E-91	0.044	0.015	0.002	0.100	411.449	TRUE	3.97E-85
Overall asthma	TRIM27	cg17666981	rs362521	T	C	-0.436	0.047	0.063	8.56E-21	-0.010	0.020	0.610	0.023	87.422	TRUE	2.92E-20
Overall asthma	TRIM27	cg17666981	rs56295386	T	C	-0.615	0.036	0.105	5.76E-65	0.018	0.015	0.200	0.073	289.550	TRUE	6.10E-62
Overall asthma	TRIM27	cg17666981	rs62402370	C	G	-0.629	0.041	0.086	1.82E-53	-0.012	0.017	0.470	0.060	236.816	TRUE	1.88E-51
Overall asthma	TRIM27	cg17666981	rs731132	G	T	0.242	0.024	0.392	4.62E-23	-0.007	0.010	0.480	0.026	97.752	TRUE	2.24E-22
Overall asthma	TRIM27	cg17666981	rs7765791	C	T	-0.514	0.080	0.022	1.32E-10	-0.051	0.033	0.120	0.011	41.254	TRUE	4.57E-10
Overall asthma	TRIM27	cg17666981	rs9257460	A	G	-0.663	0.051	0.054	4.79E-38	-0.013	0.020	0.530	0.043	166.197	TRUE	8.15E-37
Overall asthma	TRIM27	cg17666981	rs9348792	T	C	0.362	0.062	0.039	6.73E-09	-0.043	0.025	0.092	0.009	33.594	TRUE	2.20E-08
Overall asthma	TRIM27	cg18844029	rs114383434	C	T	-0.693	0.059	0.037	7.92E-32	0.067	0.022	0.003	0.036	137.761	TRUE	1.05E-29
Overall asthma	TRIM27	cg18844029	rs114799031	T	A	-0.575	0.083	0.022	5.46E-12	0.018	0.036	0.620	0.013	47.489	TRUE	1.07E-11
Overall asthma	TRIM27	cg18844029	rs115537782	A	G	-0.959	0.100	0.013	1.38E-21	0.006	0.035	0.870	0.024	91.027	TRUE	3.65E-21
Overall asthma	TRIM27	cg18844029	rs115651187	G	C	0.320	0.044	0.085	3.38E-13	-0.018	0.018	0.320	0.014	52.948	TRUE	1.01E-12
Overall asthma	TRIM27	cg18844029	rs117929666	C	G	-0.940	0.080	0.022	3.15E-32	-0.016	0.031	0.610	0.036	139.590	TRUE	2.67E-31
Overall asthma	TRIM27	cg18844029	rs13437444	T	C	0.364	0.029	0.213	3.26E-36	0.005	0.011	0.640	0.041	157.809	TRUE	3.85E-35
Overall asthma	TRIM27	cg18844029	rs16894128	G	A	0.380	0.035	0.131	8.99E-28	-0.023	0.014	0.100	0.031	119.239	TRUE	1.67E-26
Overall asthma	TRIM27	cg18844029	rs209139	A	C	-0.916	0.048	0.057	1.01E-81	0.021	0.020	0.310	0.090	366.441	TRUE	1.24E-77
Overall asthma	TRIM27	cg18844029	rs209142	C	G	-0.812	0.021	0.388	<1E-200	0.025	0.010	0.010	0.295	1547.262	TRUE	4.36E-293
Overall asthma	TRIM27	cg18844029	rs2523441	T	A	0.168	0.027	0.252	9.20E-10	0.011	0.011	0.320	0.010	37.467	TRUE	2.14E-09
Overall asthma	TRIM27	cg18844029	rs2859379	T	C	-0.739	0.068	0.027	9.22E-28	-0.021	0.026	0.410	0.031	119.189	TRUE	7.25E-27
Overall asthma	TRIM27	cg18844029	rs36050447	T	C	-0.733	0.076	0.025	6.65E-22	-0.018	0.027	0.490	0.024	92.475	TRUE	2.85E-21
Overall asthma	TRIM27	cg18844029	rs388017	T	C	0.376	0.063	0.035	2.32E-09	-0.008	0.025	0.740	0.010	35.667	TRUE	3.57E-09
Overall asthma	TRIM27	cg18844029	rs62401446	A	G	-0.552	0.092	0.019	2.26E-09	-0.098	0.034	0.004	0.010	35.713	TRUE	1.49E-08
Overall asthma	TRIM27	cg18844029	rs62402370	C	G	-0.817	0.040	0.086	3.97E-91	-0.012	0.017	0.470	0.100	409.621	TRUE	1.39E-86
Overall asthma	TRIM27	cg18844029	rs6933825	G	A	-0.792	0.034	0.115	1.38E-117	0.035	0.014	0.016	0.126	531.149	TRUE	4.98E-109

Overall asthma	TRIM27	cg18844029	rs72831442	G	A	-0.644	0.044	0.072	5.57E-49	-0.030	0.019	0.120	0.055	216.263	TRUE	1.11E-46
Overall asthma	TRIM27	cg18844029	rs72849209	T	A	0.602	0.110	0.013	4.04E-08	-0.016	0.045	0.730	0.008	30.114	TRUE	5.94E-08
Overall asthma	TRIM27	cg18844029	rs9283885	A	G	-0.431	0.028	0.213	1.85E-53	-0.010	0.011	0.390	0.060	236.791	TRUE	2.52E-51
Overall asthma	TRIM27	cg18844029	rs9348782	A	G	-0.518	0.051	0.050	5.91E-24	0.014	0.021	0.520	0.027	101.820	TRUE	2.96E-23
Overall asthma	TRIM27	cg18954047	rs115318295	A	T	-0.373	0.026	0.254	3.70E-48	0.010	0.011	0.340	0.054	212.496	TRUE	2.66E-46
Overall asthma	TRIM27	cg18954047	rs62401458	A	G	-0.348	0.063	0.033	3.15E-08	-0.050	0.027	0.060	0.008	30.599	TRUE	1.03E-07
Overall asthma	TRIM27	cg18954047	rs79130209	A	G	-0.374	0.066	0.030	1.31E-08	0.062	0.025	0.013	0.009	32.306	TRUE	6.23E-08
Overall asthma	TRIM27	cg18954047	rs79157584	A	G	-0.363	0.054	0.048	1.45E-11	0.013	0.022	0.570	0.012	45.570	TRUE	2.96E-11
Overall asthma	TRIM27	cg19400926	rs115318295	A	T	-0.454	0.026	0.254	3.09E-69	0.010	0.011	0.340	0.077	309.138	TRUE	3.90E-66
Overall asthma	TRIM27	cg19400926	rs1233387	T	C	-0.158	0.028	0.230	1.02E-08	-0.021	0.011	0.056	0.009	32.786	TRUE	3.62E-08
Overall asthma	TRIM27	cg19400926	rs209139	A	C	-0.296	0.049	0.057	1.48E-09	0.021	0.020	0.310	0.010	36.543	TRUE	3.49E-09
Overall asthma	TRIM27	cg19400926	rs2859356	T	C	-0.265	0.032	0.162	6.42E-17	-0.015	0.013	0.230	0.019	69.806	TRUE	2.85E-16
Overall asthma	TRIM27	cg19400926	rs3095275	A	G	0.174	0.029	0.206	2.52E-09	-0.026	0.012	0.027	0.010	35.501	TRUE	1.10E-08
Overall asthma	TRIM27	cg19400926	rs41316606	T	A	-0.401	0.070	0.031	1.03E-08	-0.016	0.025	0.530	0.009	32.772	TRUE	1.82E-08
Overall asthma	TRIM27	cg20370991	rs115318295	A	T	-0.159	0.026	0.254	1.06E-09	0.010	0.011	0.340	0.010	37.194	TRUE	2.33E-09
Overall asthma	TRIM27	cg20544852	rs115318295	A	T	-0.264	0.026	0.254	4.85E-24	0.010	0.011	0.340	0.027	102.211	TRUE	3.09E-23
Overall asthma	TRIM27	cg21997109	rs115651187	G	C	-0.490	0.044	0.085	4.50E-29	-0.018	0.018	0.320	0.033	125.177	TRUE	4.86E-28
Overall asthma	TRIM27	cg21997109	rs117929666	C	G	0.486	0.080	0.022	1.31E-09	-0.016	0.031	0.610	0.010	36.785	TRUE	2.27E-09
Overall asthma	TRIM27	cg21997109	rs1233388	G	A	0.238	0.030	0.183	1.21E-15	-0.041	0.012	7.30E-04	0.017	64.018	TRUE	2.65E-14
Overall asthma	TRIM27	cg21997109	rs143257546	G	C	-0.526	0.075	0.024	2.99E-12	0.012	0.030	0.690	0.013	48.668	TRUE	5.58E-12
Overall asthma	TRIM27	cg21997109	rs149952	T	C	0.456	0.051	0.047	6.93E-19	0.009	0.021	0.650	0.021	78.740	TRUE	1.99E-18
Overall asthma	TRIM27	cg21997109	rs150790220	T	C	0.326	0.059	0.045	3.19E-08	0.004	0.023	0.870	0.008	30.574	TRUE	4.23E-08
Overall asthma	TRIM27	cg21997109	rs16894128	G	A	-0.411	0.035	0.131	2.51E-32	-0.023	0.014	0.100	0.036	140.044	TRUE	7.52E-31
Overall asthma	TRIM27	cg21997109	rs184654684	G	A	-0.495	0.079	0.025	3.02E-10	-0.009	0.029	0.770	0.011	39.638	TRUE	4.75E-10
Overall asthma	TRIM27	cg21997109	rs2523422	A	G	-0.321	0.027	0.252	2.60E-32	0.011	0.011	0.300	0.036	139.970	TRUE	3.81E-31
Overall asthma	TRIM27	cg21997109	rs2531809	A	G	0.377	0.035	0.129	5.01E-27	-0.008	0.014	0.590	0.030	115.833	TRUE	2.83E-26
Overall asthma	TRIM27	cg21997109	rs35403242	A	G	0.403	0.048	0.063	2.28E-17	-0.019	0.020	0.350	0.019	71.850	TRUE	8.89E-17
Overall asthma	TRIM27	cg21997109	rs56295386	T	C	0.479	0.036	0.105	1.92E-39	0.018	0.015	0.200	0.045	172.591	TRUE	7.42E-38
Overall asthma	TRIM27	cg21997109	rs6907104	C	A	0.515	0.066	0.031	5.68E-15	-0.029	0.028	0.280	0.016	60.975	TRUE	1.98E-14
Overall asthma	TRIM27	cg21997109	rs6920512	G	A	-0.280	0.045	0.070	3.74E-10	-0.022	0.018	0.210	0.010	39.221	TRUE	1.02E-09
Overall asthma	TRIM27	cg21997109	rs731132	G	T	-0.320	0.024	0.392	1.15E-39	-0.007	0.010	0.480	0.045	173.606	TRUE	2.47E-38
Overall asthma	TRIM27	cg21997109	rs77273697	C	T	-0.229	0.027	0.258	1.17E-17	-0.026	0.011	0.018	0.019	73.171	TRUE	1.45E-16
Overall asthma	TRIM27	cg21997109	rs7752448	G	A	0.546	0.034	0.125	7.12E-57	0.042	0.014	0.003	0.064	252.442	TRUE	3.40E-53
Overall asthma	TRIM27	cg21997109	rs9257452	A	G	0.465	0.047	0.068	3.08E-23	-0.016	0.019	0.390	0.026	98.554	TRUE	1.72E-22
Overall asthma	TRIM27	cg22900372	rs115196926	T	C	-0.255	0.043	0.082	4.24E-09	-0.028	0.017	0.110	0.009	34.494	TRUE	1.35E-08
Overall asthma	TRIM27	cg22900372	rs115651187	G	C	0.278	0.044	0.085	2.25E-10	-0.018	0.018	0.320	0.011	40.216	TRUE	5.47E-10
Overall asthma	TRIM27	cg22900372	rs12199114	C	G	0.331	0.060	0.037	3.43E-08	-0.012	0.025	0.630	0.008	30.432	TRUE	5.41E-08
Overall asthma	TRIM27	cg22900372	rs1233387	T	C	-0.173	0.027	0.230	2.44E-10	-0.021	0.011	0.056	0.011	40.060	TRUE	1.02E-09
Overall asthma	TRIM27	cg22900372	rs16894139	C	T	-0.266	0.040	0.090	2.57E-11	-0.011	0.017	0.500	0.012	44.453	TRUE	5.35E-11
Overall asthma	TRIM27	cg22900372	rs3117193	T	C	0.203	0.024	0.394	5.08E-17	-0.012	0.010	0.230	0.019	70.267	TRUE	2.40E-16
Overall asthma	TRIM27	cg22900372	rs55740552	G	T	-0.273	0.048	0.060	1.32E-08	0.007	0.021	0.730	0.009	32.291	TRUE	1.96E-08
Overall asthma	TRIM27	cg22900372	rs71559084	C	G	0.314	0.040	0.091	7.04E-15	-0.020	0.017	0.230	0.016	60.555	TRUE	2.70E-14

Overall asthma	TRIM27	cg22900372	rs73396550	G	A	-0.368	0.038	0.096	3.57E-22	0.033	0.016	0.037	0.025	93.702	TRUE	5.60E-21
Overall asthma	TRIM27	cg22900372	rs76683848	C	G	-1.044	0.107	0.011	2.70E-22	-0.008	0.052	0.870	0.025	94.259	TRUE	7.46E-22
Overall asthma	TRIM27	cg22900372	rs9380067	A	G	-0.231	0.028	0.246	7.37E-17	0.007	0.011	0.520	0.018	69.533	TRUE	2.16E-16
Overall asthma	TRIM27	cg23756442	rs3135316	G	A	-0.470	0.037	0.116	9.93E-38	0.044	0.015	0.002	0.043	164.747	TRUE	2.55E-35
Overall asthma	TRIM27	cg23756442	rs72851179	A	G	-0.325	0.057	0.049	1.38E-08	-0.051	0.021	0.018	0.009	32.204	TRUE	6.37E-08
Overall asthma	TRIM27	cg23756442	rs9257572	T	G	-0.185	0.024	0.426	7.02E-15	0.012	0.010	0.210	0.016	60.560	TRUE	2.87E-14
Overall asthma	TRIM27	cg24697433	rs114325231	T	G	-0.572	0.048	0.063	2.86E-33	-0.023	0.020	0.260	0.038	144.355	TRUE	5.44E-32
Overall asthma	TRIM27	cg24697433	rs12195700	C	T	0.328	0.060	0.038	4.60E-08	-0.011	0.025	0.650	0.008	29.861	TRUE	7.06E-08
Overall asthma	TRIM27	cg24697433	rs149952	T	C	-0.595	0.051	0.047	3.01E-31	0.009	0.021	0.650	0.035	135.112	TRUE	2.17E-30
Overall asthma	TRIM27	cg24697433	rs1736922	T	C	0.237	0.027	0.271	9.17E-19	0.025	0.011	0.019	0.021	78.187	TRUE	1.20E-17
Overall asthma	TRIM27	cg24697433	rs209140	A	G	-1.035	0.020	0.247	<1E-200	0.010	0.011	0.350	0.411	2585.652	TRUE	<1E-200
Overall asthma	TRIM27	cg24697433	rs34302671	G	A	0.298	0.038	0.108	1.98E-15	-0.022	0.015	0.150	0.017	63.048	TRUE	9.90E-15
Overall asthma	TRIM27	cg24697433	rs35403242	A	G	-0.972	0.046	0.063	1.96E-97	-0.019	0.020	0.350	0.106	438.578	TRUE	3.66E-92
Overall asthma	TRIM27	cg24697433	rs41316606	T	A	-1.089	0.069	0.031	6.66E-56	-0.016	0.025	0.530	0.063	247.989	TRUE	8.48E-54
Overall asthma	TRIM27	cg24697433	rs62401446	A	G	-0.823	0.092	0.019	3.68E-19	-0.098	0.034	0.004	0.021	79.989	TRUE	8.36E-18
Overall asthma	TRIM27	cg24697433	rs73740605	C	T	-1.127	0.169	0.011	2.92E-11	-0.005	0.044	0.910	0.012	44.205	TRUE	4.28E-11
Overall asthma	TRIM27	cg24697433	rs74561353	A	T	0.283	0.047	0.067	1.34E-09	-0.013	0.019	0.490	0.010	36.728	TRUE	2.58E-09
Overall asthma	TRIM27	cg24697433	rs75446291	G	C	-1.067	0.172	0.012	5.89E-10	0.010	0.055	0.850	0.010	38.338	TRUE	8.53E-10
Overall asthma	TRIM27	cg24697433	rs77983937	G	A	-0.902	0.066	0.031	9.86E-43	0.003	0.027	0.900	0.048	187.646	TRUE	1.38E-41
Overall asthma	TRIM27	cg24697433	rs78793798	G	A	-1.056	0.066	0.030	5.43E-58	0.052	0.025	0.042	0.065	257.567	TRUE	7.88E-55
Overall asthma	TRIM27	cg24697433	rs9295793	A	C	0.282	0.032	0.156	2.77E-18	-0.006	0.013	0.620	0.020	76.005	TRUE	7.93E-18
Overall asthma	TRIM27	cg24697433	rs9461434	C	A	0.199	0.029	0.222	4.00E-12	0.007	0.011	0.530	0.013	48.099	TRUE	8.67E-12
Overall asthma	TRIM27	cg25525825	rs114357009	A	G	-0.289	0.052	0.048	2.79E-08	0.033	0.022	0.130	0.008	30.832	TRUE	7.63E-08
Overall asthma	TRIM27	cg25525825	rs209140	A	G	-0.308	0.026	0.247	1.53E-31	0.010	0.011	0.350	0.036	136.454	TRUE	1.86E-30
Overall asthma	TRIM27	cg25525825	rs35604709	A	G	-0.292	0.048	0.062	8.84E-10	-0.019	0.020	0.350	0.010	37.546	TRUE	2.00E-09
Overall asthma	TRIM27	cg25701364	rs142863425	T	C	-0.235	0.042	0.080	2.78E-08	0.044	0.017	0.009	0.008	30.842	TRUE	1.34E-07
Overall asthma	TRIM27	cg25701364	rs2023463	T	C	0.212	0.036	0.119	4.80E-09	0.054	0.014	1.60E-04	0.009	34.251	TRUE	5.11E-08
Overall asthma	TRIM27	cg25701364	rs209140	A	G	-0.245	0.026	0.247	1.25E-20	0.010	0.011	0.350	0.023	86.680	TRUE	5.98E-20
Overall asthma	TRIM27	cg27120125	rs13200214	T	C	-0.228	0.037	0.110	5.52E-10	0.045	0.015	0.002	0.010	38.465	TRUE	4.21E-09
Overall asthma	TRIM27	cg27120125	rs3129793	A	G	-0.130	0.023	0.490	2.00E-08	0.014	0.010	0.130	0.008	31.481	TRUE	5.45E-08
Overall asthma	TRIM27	cg27257926	rs209142	C	G	-0.151	0.023	0.388	1.45E-10	0.025	0.010	0.010	0.011	41.079	TRUE	9.28E-10
Overall asthma	TRIM27	cg27358207	rs75058702	T	G	0.279	0.049	0.065	1.06E-08	-0.015	0.019	0.430	0.009	32.708	TRUE	2.04E-08
Overall asthma	TRIM27	cg27383651	rs209140	A	G	-0.209	0.026	0.247	1.39E-15	0.010	0.011	0.350	0.017	63.754	TRUE	4.56E-15
Overall asthma	TRIM65	cg01453052	rs7219918	T	C	-0.372	0.060	0.045	7.05E-10	0.003	0.025	0.920	0.010	37.986	TRUE	9.70E-10
Overall asthma	TRIM65	cg25176883	rs3744027	A	G	0.175	0.030	0.186	3.54E-09	0.040	0.012	0.001	0.009	34.844	TRUE	2.90E-08
Overall asthma	TRIM65	cg26780705	rs2585739	A	G	-0.507	0.076	0.023	2.49E-11	-0.010	0.028	0.720	0.012	44.518	TRUE	4.29E-11
Overall asthma	TRIM65	cg26780705	rs58587945	T	C	-0.253	0.035	0.121	8.37E-13	0.055	0.015	1.40E-04	0.014	51.165	TRUE	1.45E-11
Overall asthma	TSC2	cg00500602	rs8050755	C	T	-0.499	0.035	0.135	2.87E-47	0.013	0.014	0.330	0.053	208.418	TRUE	1.91E-45
Overall asthma	TSC2	cg00500602	rs8063461	A	G	0.167	0.024	0.399	4.52E-12	-0.011	0.010	0.250	0.013	47.860	TRUE	1.35E-11
Overall asthma	TSC2	cg02851047	rs26870	A	C	0.158	0.024	0.422	3.01E-11	-0.008	0.010	0.390	0.012	44.145	TRUE	7.11E-11
Overall asthma	TSC2	cg02851047	rs28447317	G	A	-0.172	0.027	0.247	3.23E-10	0.001	0.011	0.920	0.011	39.508	TRUE	4.51E-10
Overall asthma	TSC2	cg02851047	rs3803695	G	A	-0.209	0.033	0.161	1.70E-10	-0.008	0.013	0.520	0.011	40.766	TRUE	3.35E-10

Overall asthma	TSC2	cg02851047	rs73498161	A	G	-0.332	0.046	0.067	6.69E-13	0.028	0.020	0.170	0.014	51.606	TRUE	2.56E-12
Overall asthma	TSC2	cg02851047	rs9928737	A	G	-0.549	0.031	0.168	2.10E-71	0.033	0.013	0.010	0.079	319.091	TRUE	5.55E-67
Overall asthma	TSC2	cg03444940	rs12918803	A	G	0.942	0.044	0.071	5.05E-102	0.026	0.018	0.140	0.111	459.654	TRUE	6.32E-96
Overall asthma	TSC2	cg03444940	rs147350387	A	G	1.039	0.147	0.014	1.37E-12	0.038	0.034	0.270	0.013	50.193	TRUE	4.24E-12
Overall asthma	TSC2	cg03444940	rs17814754	G	A	0.219	0.035	0.138	2.96E-10	-0.007	0.014	0.590	0.011	39.678	TRUE	5.37E-10
Overall asthma	TSC2	cg03444940	rs25850	C	G	0.294	0.038	0.100	1.98E-14	0.004	0.016	0.800	0.016	58.520	TRUE	3.73E-14
Overall asthma	TSC2	cg03444940	rs3890944	G	C	0.213	0.031	0.170	7.21E-12	0.003	0.012	0.810	0.013	46.945	TRUE	1.19E-11
Overall asthma	TSC2	cg04328826	rs12926737	C	T	-0.201	0.030	0.188	1.28E-11	0.031	0.012	0.013	0.012	45.815	TRUE	9.40E-11
Overall asthma	TSC2	cg04515572	rs180831566	C	T	-0.646	0.043	0.081	2.16E-51	0.019	0.016	0.240	0.058	227.311	TRUE	3.42E-49
Overall asthma	TSC2	cg09123625	rs2516739	A	G	-0.264	0.029	0.220	2.88E-20	0.014	0.011	0.230	0.022	85.027	TRUE	1.86E-19
Overall asthma	TSC2	cg26819590	rs137910794	T	C	-1.253	0.172	0.012	3.12E-13	0.092	0.049	0.058	0.014	53.103	TRUE	1.71E-12
Overall asthma	TSC2	cg26819590	rs77028972	G	A	-0.179	0.031	0.167	1.22E-08	0.025	0.013	0.051	0.009	32.433	TRUE	4.34E-08
Overall asthma	ULK1	cg07746532	rs78172903	T	C	-0.214	0.039	0.098	3.32E-08	-0.042	0.016	0.008	0.008	30.497	TRUE	1.62E-07
Overall asthma	ULK1	cg08731435	rs10794450	T	G	0.298	0.044	0.077	7.97E-12	-0.014	0.018	0.450	0.012	46.749	TRUE	1.86E-11
Overall asthma	ULK1	cg08731435	rs10902466	G	A	1.078	0.027	0.177	<1E-200	-0.030	0.013	0.022	0.305	1624.833	TRUE	1.52E-306
Overall asthma	ULK1	cg08731435	rs10902514	A	G	0.483	0.071	0.041	9.26E-12	-0.042	0.028	0.130	0.012	46.455	TRUE	3.44E-11
Overall asthma	ULK1	cg08731435	rs112234188	G	C	1.021	0.061	0.037	3.24E-62	-0.012	0.024	0.620	0.070	276.937	TRUE	7.67E-60
Overall asthma	ULK1	cg08731435	rs11246948	A	G	0.190	0.027	0.263	7.22E-13	0.008	0.011	0.460	0.014	51.455	TRUE	1.74E-12
Overall asthma	ULK1	cg08731435	rs12227884	C	T	1.174	0.076	0.025	4.81E-54	-0.051	0.030	0.088	0.061	239.470	TRUE	2.26E-51
Overall asthma	ULK1	cg08731435	rs12231279	G	A	0.328	0.026	0.273	1.10E-36	-0.001	0.011	0.910	0.041	159.979	TRUE	8.54E-36
Overall asthma	ULK1	cg08731435	rs3088051	C	T	-0.312	0.026	0.275	4.53E-33	-0.001	0.011	0.940	0.037	143.442	TRUE	2.48E-32
Overall asthma	ULK1	cg08731435	rs4964931	G	T	-0.258	0.025	0.319	1.16E-25	-0.004	0.010	0.710	0.029	109.612	TRUE	4.98E-25
Overall asthma	ULK1	cg08731435	rs55661795	C	T	0.206	0.024	0.487	2.55E-18	-0.004	0.010	0.640	0.020	76.170	TRUE	7.14E-18
Overall asthma	ULK1	cg08731435	rs57442333	T	G	0.434	0.037	0.118	1.69E-32	-0.015	0.015	0.320	0.037	140.828	TRUE	2.52E-31
Overall asthma	ULK1	cg08731435	rs61942397	C	A	0.253	0.032	0.164	2.15E-15	0.001	0.013	0.940	0.017	62.891	TRUE	3.73E-15
Overall asthma	ULK1	cg08731435	rs7137092	A	G	-0.160	0.027	0.265	2.09E-09	0.006	0.011	0.590	0.010	35.870	TRUE	3.63E-09
Overall asthma	ULK1	cg08731435	rs729326	A	G	0.187	0.024	0.488	3.45E-15	-0.006	0.010	0.560	0.016	61.957	TRUE	8.75E-15
Overall asthma	ULK1	cg08731435	rs73469993	A	G	0.606	0.092	0.019	3.95E-11	0.069	0.037	0.061	0.012	43.616	TRUE	1.75E-10
Overall asthma	ULK1	cg12944340	rs11246853	T	C	0.167	0.023	0.415	7.14E-13	-0.004	0.010	0.660	0.014	51.478	TRUE	1.42E-12
Overall asthma	ULK1	cg12944340	rs11246867	A	G	1.396	0.049	0.059	2.17E-179	-0.005	0.021	0.830	0.181	815.176	TRUE	8.19E-166
Overall asthma	ULK1	cg12944340	rs116490303	A	G	0.489	0.045	0.068	1.12E-27	-0.005	0.018	0.770	0.031	118.811	TRUE	5.15E-27
Overall asthma	ULK1	cg12944340	rs140558127	A	G	0.668	0.107	0.012	4.49E-10	0.013	0.039	0.740	0.010	38.868	TRUE	7.16E-10
Overall asthma	ULK1	cg12944340	rs4964879	A	G	0.285	0.037	0.116	9.36E-15	-0.013	0.015	0.370	0.016	59.995	TRUE	2.83E-14
Overall asthma	ULK1	cg12944340	rs57516732	C	T	0.304	0.031	0.183	4.79E-23	0.000	0.013	1.000	0.026	97.679	TRUE	1.20E-22
Overall asthma	ULK1	cg12944340	rs61942925	T	C	0.495	0.064	0.034	6.39E-15	-0.026	0.027	0.340	0.016	60.744	TRUE	2.10E-14
Overall asthma	ULK1	cg12944340	rs737434	T	C	0.210	0.035	0.126	2.44E-09	0.009	0.015	0.530	0.010	35.563	TRUE	4.41E-09
Overall asthma	ULK1	cg12944340	rs7487848	T	C	0.493	0.066	0.037	7.73E-14	-0.016	0.025	0.510	0.015	55.844	TRUE	1.87E-13
Overall asthma	ULK1	cg12944340	rs77063486	T	C	1.268	0.101	0.014	5.57E-36	0.085	0.038	0.025	0.041	156.748	TRUE	5.01E-34
Overall asthma	ULK1	cg13235087	rs10794450	T	G	-0.329	0.043	0.077	3.80E-14	-0.014	0.018	0.450	0.015	57.240	TRUE	1.03E-13
Overall asthma	ULK1	cg13235087	rs10902466	G	A	-1.186	0.024	0.177	<1E-200	-0.030	0.013	0.022	0.392	2386.228	TRUE	<1E-200
Overall asthma	ULK1	cg13235087	rs10902491	G	A	-0.391	0.050	0.061	8.25E-15	0.034	0.020	0.085	0.016	60.241	TRUE	4.63E-14
Overall asthma	ULK1	cg13235087	rs10902498	T	G	0.145	0.024	0.423	9.93E-10	0.003	0.010	0.730	0.010	37.318	TRUE	1.57E-09

Overall asthma	ULK1	cg13235087	rs10902514	A	G	-0.592	0.071	0.041	5.15E-17	-0.042	0.028	0.130	0.019	70.239	TRUE	3.03E-16
Overall asthma	ULK1	cg13235087	rs112234188	G	C	-0.928	0.062	0.037	2.20E-51	-0.012	0.024	0.620	0.058	227.274	TRUE	1.31E-49
Overall asthma	ULK1	cg13235087	rs11246904	T	C	0.277	0.025	0.330	1.14E-28	0.025	0.010	0.015	0.032	123.333	TRUE	5.67E-27
Overall asthma	ULK1	cg13235087	rs11246912	A	G	-0.348	0.036	0.113	1.50E-21	-0.017	0.015	0.270	0.024	90.863	TRUE	9.57E-21
Overall asthma	ULK1	cg13235087	rs11246947	G	A	-0.164	0.026	0.290	1.72E-10	-0.001	0.011	0.940	0.011	40.745	TRUE	2.37E-10
Overall asthma	ULK1	cg13235087	rs11611560	T	C	0.245	0.025	0.281	4.82E-22	-0.009	0.011	0.410	0.025	93.112	TRUE	2.32E-21
Overall asthma	ULK1	cg13235087	rs12227884	C	T	-0.976	0.076	0.025	1.46E-37	-0.051	0.030	0.088	0.042	163.977	TRUE	8.42E-36
Overall asthma	ULK1	cg13235087	rs1982527	G	A	-0.367	0.035	0.130	1.92E-25	-0.020	0.015	0.180	0.029	108.608	TRUE	2.09E-24
Overall asthma	ULK1	cg13235087	rs4964883	G	C	-0.804	0.092	0.018	2.26E-18	0.068	0.037	0.067	0.020	76.406	TRUE	1.98E-17
Overall asthma	ULK1	cg13235087	rs4964979	G	A	-0.311	0.025	0.351	2.86E-36	0.007	0.010	0.490	0.041	158.069	TRUE	4.30E-35
Overall asthma	ULK1	cg13235087	rs61936372	G	A	-0.337	0.055	0.047	1.03E-09	0.009	0.023	0.700	0.010	37.241	TRUE	1.67E-09
Overall asthma	ULK1	cg13235087	rs61942397	C	A	-0.355	0.032	0.164	5.98E-29	0.001	0.013	0.940	0.033	124.614	TRUE	2.40E-28
Overall asthma	ULK1	cg13235087	rs6422001	G	A	-0.384	0.029	0.194	2.65E-41	0.001	0.012	0.920	0.047	181.104	TRUE	3.12E-40
Overall asthma	ULK1	cg13235087	rs76147273	A	G	-0.769	0.086	0.019	3.74E-19	-0.082	0.037	0.028	0.021	79.957	TRUE	4.87E-18
Overall asthma	ULK1	cg15163603	rs35569693	A	T	0.158	0.025	0.329	2.93E-10	0.024	0.010	0.017	0.011	39.696	TRUE	1.63E-09
Overall asthma	ULK1	cg15260428	rs10794450	T	G	0.326	0.044	0.077	7.07E-14	-0.014	0.018	0.450	0.015	56.018	TRUE	1.89E-13
Overall asthma	ULK1	cg15260428	rs10848277	C	G	0.152	0.026	0.300	3.17E-09	0.011	0.011	0.310	0.009	35.060	TRUE	7.10E-09
Overall asthma	ULK1	cg15260428	rs10902514	A	G	0.549	0.071	0.041	7.87E-15	-0.042	0.028	0.130	0.016	60.334	TRUE	3.82E-14
Overall asthma	ULK1	cg15260428	rs11246861	G	A	0.956	0.037	0.103	7.78E-146	-0.019	0.016	0.230	0.152	660.945	TRUE	1.99E-135
Overall asthma	ULK1	cg15260428	rs11246912	A	G	0.403	0.036	0.113	1.76E-28	-0.017	0.015	0.270	0.032	122.474	TRUE	2.07E-27
Overall asthma	ULK1	cg15260428	rs113562482	T	C	0.221	0.036	0.121	1.08E-09	-0.002	0.015	0.890	0.010	37.156	TRUE	1.51E-09
Overall asthma	ULK1	cg15260428	rs117479107	A	G	1.145	0.075	0.030	3.98E-53	-0.066	0.029	0.023	0.060	235.262	TRUE	3.75E-50
Overall asthma	ULK1	cg15260428	rs2398553	A	G	-0.139	0.024	0.421	4.92E-09	0.022	0.010	0.021	0.009	34.204	TRUE	2.20E-08
Overall asthma	ULK1	cg15260428	rs28514346	A	G	-0.193	0.030	0.180	1.30E-10	-0.006	0.012	0.630	0.011	41.292	TRUE	2.33E-10
Overall asthma	ULK1	cg15260428	rs3088051	C	T	-0.325	0.026	0.275	1.22E-35	-0.001	0.011	0.940	0.040	155.185	TRUE	8.28E-35
Overall asthma	ULK1	cg15260428	rs4964931	G	T	-0.240	0.025	0.319	1.96E-22	-0.004	0.010	0.710	0.025	94.891	TRUE	6.70E-22
Overall asthma	ULK1	cg15260428	rs61942945	T	C	0.501	0.035	0.113	2.24E-45	-0.011	0.014	0.450	0.051	199.755	TRUE	9.85E-44
Overall asthma	ULK1	cg15260428	rs7302218	T	C	-0.134	0.024	0.404	2.45E-08	0.000	0.010	1.000	0.008	31.087	TRUE	3.00E-08
Overall asthma	ULK1	cg15260428	rs73158908	C	G	0.174	0.029	0.213	1.31E-09	-0.002	0.012	0.860	0.010	36.777	TRUE	1.86E-09
Overall asthma	ULK1	cg15260428	rs73486086	A	G	0.786	0.053	0.056	2.97E-49	0.006	0.021	0.790	0.056	217.512	TRUE	9.92E-48
Overall asthma	ULK1	cg15260428	rs75026995	T	C	-0.262	0.027	0.253	1.29E-22	0.006	0.011	0.570	0.025	95.723	TRUE	5.29E-22
Overall asthma	ULK1	cg15260428	rs77929763	A	G	1.317	0.034	0.099	<1E-200	-0.049	0.016	0.002	0.291	1519.276	TRUE	1.28E-287
Overall asthma	ULK1	cg15260428	rs7973499	A	G	0.339	0.025	0.338	2.87E-42	0.000	0.010	1.000	0.048	185.521	TRUE	3.27E-41
Overall asthma	ULK1	cg18849213	rs10902498	T	G	0.265	0.024	0.423	3.25E-29	0.003	0.010	0.730	0.033	125.819	TRUE	1.77E-28
Overall asthma	ULK1	cg18849213	rs112272697	A	G	-0.277	0.048	0.058	1.01E-08	0.001	0.020	0.970	0.009	32.802	TRUE	1.28E-08
Overall asthma	ULK1	cg18849213	rs11246861	G	A	0.331	0.039	0.103	1.29E-17	-0.019	0.016	0.230	0.019	72.977	TRUE	6.20E-17
Overall asthma	ULK1	cg18849213	rs117479107	A	G	-0.475	0.076	0.030	3.65E-10	-0.066	0.029	0.023	0.011	39.270	TRUE	1.87E-09
Overall asthma	ULK1	cg18849213	rs12422267	G	A	-0.436	0.039	0.092	1.40E-28	-0.005	0.016	0.740	0.032	122.924	TRUE	7.17E-28
Overall asthma	ULK1	cg18849213	rs1456619	T	C	0.169	0.025	0.376	6.64E-12	0.009	0.010	0.360	0.013	47.107	TRUE	1.71E-11
Overall asthma	ULK1	cg18849213	rs3088051	C	T	-0.335	0.026	0.275	7.59E-38	-0.001	0.011	0.940	0.043	165.283	TRUE	6.23E-37
Overall asthma	ULK1	cg18849213	rs35456238	C	A	0.576	0.054	0.048	3.49E-26	0.012	0.023	0.590	0.029	111.984	TRUE	1.80E-25
Overall asthma	ULK1	cg18849213	rs73486086	A	G	0.366	0.054	0.056	1.24E-11	0.006	0.021	0.790	0.012	45.875	TRUE	2.05E-11

Overall asthma	ULK1	cg18849213	rs7485527	A	C	0.150	0.025	0.374	1.13E-09	0.010	0.010	0.340	0.010	37.073	TRUE	2.58E-09
Overall asthma	ULK1	cg18849213	rs75384662	C	G	-0.371	0.055	0.048	2.07E-11	-0.006	0.022	0.780	0.012	44.877	TRUE	3.44E-11
Overall asthma	ULK1	cg21649013	rs10794433	C	G	0.265	0.035	0.141	1.88E-14	-0.014	0.014	0.320	0.016	58.627	TRUE	6.13E-14
Overall asthma	ULK1	cg21649013	rs117479107	A	G	0.440	0.076	0.030	6.78E-09	-0.066	0.029	0.023	0.009	33.580	TRUE	3.00E-08
Overall asthma	ULK1	cg21649013	rs78570824	T	C	0.577	0.039	0.097	1.21E-50	-0.041	0.016	0.010	0.057	223.889	TRUE	1.18E-47
Overall asthma	UNC13D	cg01430390	rs2410859	C	T	-0.492	0.025	0.314	3.53E-87	0.035	0.010	5.90E-04	0.096	391.490	TRUE	1.02E-80
Overall asthma	UNC13D	cg01430390	rs2598415	T	G	-0.153	0.026	0.280	6.16E-09	0.035	0.011	8.60E-04	0.009	33.765	TRUE	4.48E-08
Overall asthma	UNC13D	cg01430390	rs3744011	T	C	-0.402	0.059	0.048	1.08E-11	-0.007	0.024	0.770	0.012	46.161	TRUE	1.81E-11
Overall asthma	UNC13D	cg01430390	rs7217719	C	T	-0.167	0.025	0.344	1.06E-11	-0.005	0.010	0.620	0.012	46.184	TRUE	2.05E-11
Overall asthma	UNC13D	cg01574231	rs8065151	G	C	0.581	0.050	0.061	1.09E-30	-0.010	0.020	0.610	0.035	132.560	TRUE	7.92E-30
Overall asthma	UNC13D	cg01574231	rs9903200	A	G	0.311	0.026	0.300	1.50E-33	0.039	0.011	2.20E-04	0.038	145.629	TRUE	4.37E-31
Overall asthma	UNC13D	cg02627403	rs113062332	A	G	-0.471	0.071	0.030	2.63E-11	-0.010	0.026	0.710	0.012	44.411	TRUE	4.58E-11
Overall asthma	UNC13D	cg02627403	rs12325726	T	C	-0.186	0.032	0.167	7.17E-09	0.029	0.013	0.021	0.009	33.469	TRUE	3.09E-08
Overall asthma	UNC13D	cg02627403	rs144456260	A	G	0.436	0.078	0.030	2.25E-08	-0.025	0.029	0.380	0.008	31.245	TRUE	4.42E-08
Overall asthma	UNC13D	cg02627403	rs145224941	C	T	-0.523	0.092	0.014	1.51E-08	0.110	0.044	0.015	0.009	32.020	TRUE	7.24E-08
Overall asthma	UNC13D	cg02627403	rs147677775	A	G	-0.447	0.066	0.031	1.37E-11	0.038	0.028	0.170	0.012	45.691	TRUE	4.57E-11
Overall asthma	UNC13D	cg02627403	rs2071193	A	G	0.274	0.023	0.425	4.58E-32	-0.015	0.010	0.120	0.036	138.846	TRUE	1.20E-30
Overall asthma	UNC13D	cg02627403	rs2305914	T	C	-0.557	0.048	0.068	1.40E-30	-0.015	0.020	0.460	0.034	132.064	TRUE	1.32E-29
Overall asthma	UNC13D	cg02627403	rs4788909	G	C	-0.323	0.030	0.201	2.13E-27	0.002	0.012	0.850	0.031	117.531	TRUE	8.61E-27
Overall asthma	UNC13D	cg02627403	rs62090776	T	G	-0.253	0.041	0.094	9.57E-10	0.060	0.017	2.80E-04	0.010	37.390	TRUE	9.54E-09
Overall asthma	UNC13D	cg02627403	rs7210574	C	T	-0.781	0.022	0.333	1.40E-271	0.031	0.010	0.002	0.251	1239.089	TRUE	3.02E-239
Overall asthma	UNC13D	cg02627403	rs8065144	G	A	-0.252	0.025	0.344	8.62E-25	-0.005	0.010	0.630	0.028	105.633	TRUE	3.84E-24
Overall asthma	UNC13D	cg02627403	rs9900702	C	T	-0.634	0.082	0.022	1.18E-14	-0.020	0.034	0.550	0.016	59.545	TRUE	2.88E-14
Overall asthma	UNC13D	cg02880508	rs2071193	A	G	0.164	0.023	0.425	2.60E-12	-0.015	0.010	0.120	0.013	48.945	TRUE	1.04E-11
Overall asthma	UNC13D	cg02880508	rs2444843	T	C	-0.469	0.079	0.030	3.44E-09	-0.019	0.033	0.570	0.009	34.896	TRUE	6.05E-09
Overall asthma	UNC13D	cg02880508	rs4788909	G	C	-0.235	0.030	0.201	4.17E-15	0.002	0.012	0.850	0.016	61.586	TRUE	7.79E-15
Overall asthma	UNC13D	cg02880508	rs7210574	C	T	-0.609	0.024	0.333	2.86E-138	0.031	0.010	0.002	0.145	626.179	TRUE	8.04E-127
Overall asthma	UNC13D	cg02880508	rs75625838	C	T	-0.258	0.043	0.090	1.42E-09	0.059	0.017	4.00E-04	0.010	36.619	TRUE	1.33E-08
Overall asthma	UNC13D	cg02880508	rs8065144	G	A	-0.157	0.025	0.344	1.67E-10	-0.005	0.010	0.630	0.011	40.794	TRUE	2.99E-10
Overall asthma	UNC13D	cg04304639	rs3744007	A	G	0.848	0.095	0.016	4.15E-19	-0.012	0.037	0.740	0.021	79.751	TRUE	1.09E-18
Overall asthma	UNC13D	cg07010633	rs113617218	A	G	-0.204	0.027	0.264	1.62E-14	-0.021	0.011	0.055	0.016	58.913	TRUE	1.03E-13
Overall asthma	UNC13D	cg07010633	rs12325726	T	C	-0.229	0.032	0.167	1.08E-12	0.029	0.013	0.021	0.014	50.663	TRUE	7.12E-12
Overall asthma	UNC13D	cg07010633	rs12601118	A	C	-0.474	0.044	0.074	1.83E-27	0.014	0.019	0.440	0.031	117.829	TRUE	1.31E-26
Overall asthma	UNC13D	cg07010633	rs145224941	C	T	-0.625	0.092	0.014	1.29E-11	0.110	0.044	0.015	0.012	45.805	TRUE	8.96E-11
Overall asthma	UNC13D	cg07010633	rs2305914	T	C	-0.594	0.048	0.068	1.40E-34	-0.015	0.020	0.460	0.039	150.344	TRUE	1.92E-33
Overall asthma	UNC13D	cg07010633	rs2598420	C	G	0.347	0.024	0.406	6.03E-49	-0.017	0.010	0.075	0.055	216.107	TRUE	1.52E-46
Overall asthma	UNC13D	cg07010633	rs62090776	T	G	-0.306	0.041	0.094	1.32E-13	0.060	0.017	2.80E-04	0.015	54.788	TRUE	2.35E-12
Overall asthma	UNC13D	cg07010633	rs7216655	A	G	0.578	0.068	0.066	1.47E-17	0.009	0.019	0.630	0.019	72.711	TRUE	3.97E-17
Overall asthma	UNC13D	cg07010633	rs73352129	G	C	-0.855	0.022	0.308	<1E-200	0.031	0.011	0.003	0.285	1474.590	TRUE	2.15E-280
Overall asthma	UNC13D	cg07010633	rs75988962	T	C	-0.624	0.036	0.117	8.88E-67	0.006	0.015	0.690	0.075	297.864	TRUE	3.31E-64
Overall asthma	UNC13D	cg07010633	rs9900702	C	T	-0.691	0.082	0.022	3.73E-17	-0.020	0.034	0.550	0.019	70.878	TRUE	1.07E-16
Overall asthma	UNC13D	cg12407791	rs113617218	A	G	-0.194	0.027	0.264	2.47E-13	-0.021	0.011	0.055	0.014	53.561	TRUE	1.40E-12

Overall asthma	UNC13D	cg12407791	rs12325726	T	C	-0.261	0.032	0.167	3.74E-16	0.029	0.013	0.021	0.018	66.334	TRUE	3.57E-15
Overall asthma	UNC13D	cg12407791	rs12601118	A	C	-0.472	0.044	0.074	2.72E-27	0.014	0.019	0.440	0.031	117.045	TRUE	1.91E-26
Overall asthma	UNC13D	cg12407791	rs145224941	C	T	-0.663	0.092	0.014	6.43E-13	0.110	0.044	0.015	0.014	51.683	TRUE	5.20E-12
Overall asthma	UNC13D	cg12407791	rs2305914	T	C	-0.619	0.048	0.068	1.43E-37	-0.015	0.020	0.460	0.042	164.026	TRUE	2.62E-36
Overall asthma	UNC13D	cg12407791	rs2598420	C	G	0.347	0.024	0.406	4.30E-49	-0.017	0.010	0.075	0.055	216.781	TRUE	1.11E-46
Overall asthma	UNC13D	cg12407791	rs2666001	T	A	0.217	0.035	0.120	8.49E-10	-0.011	0.014	0.450	0.010	37.624	TRUE	1.75E-09
Overall asthma	UNC13D	cg12407791	rs4485425	A	G	-0.889	0.022	0.301	<1E-200	0.032	0.011	0.003	0.299	1576.217	TRUE	1.84E-297
Overall asthma	UNC13D	cg12407791	rs62090776	T	G	-0.302	0.041	0.094	2.80E-13	0.060	0.017	2.80E-04	0.014	53.318	TRUE	4.74E-12
Overall asthma	UNC13D	cg12407791	rs7216655	A	G	0.605	0.068	0.066	4.18E-19	0.009	0.019	0.630	0.021	79.740	TRUE	1.25E-18
Overall asthma	UNC13D	cg12407791	rs75988962	T	C	-0.665	0.036	0.117	4.53E-76	0.006	0.015	0.690	0.084	340.496	TRUE	6.81E-73
Overall asthma	UNC13D	cg12407791	rs9900702	C	T	-0.707	0.082	0.022	6.47E-18	-0.020	0.034	0.550	0.020	74.331	TRUE	1.96E-17
Overall asthma	UNC13D	cg14715778	rs2410859	C	T	0.240	0.025	0.314	2.12E-21	0.035	0.010	5.90E-04	0.024	90.177	TRUE	1.09E-19
Overall asthma	UNC13D	cg15177359	rs3744021	A	G	0.148	0.025	0.294	5.08E-09	0.036	0.011	5.90E-04	0.009	34.141	TRUE	3.93E-08
Overall asthma	UNC13D	cg16354117	rs11868308	T	C	0.446	0.027	0.230	6.12E-60	0.049	0.011	1.20E-05	0.067	266.498	TRUE	4.30E-55
Overall asthma	UNC13D	cg17075258	rs7210574	C	T	-0.338	0.025	0.333	5.02E-42	0.031	0.010	0.002	0.047	184.410	TRUE	2.89E-39
Overall asthma	UNC13D	cg22467534	rs56000661	C	A	-0.142	0.025	0.314	1.62E-08	0.034	0.010	8.40E-04	0.009	31.881	TRUE	1.24E-07
Overall asthma	UNC13D	cg23470227	rs113062332	A	G	-0.440	0.071	0.030	4.74E-10	-0.010	0.026	0.710	0.010	38.762	TRUE	7.74E-10
Overall asthma	UNC13D	cg23470227	rs12325726	T	C	-0.213	0.032	0.167	3.19E-11	0.029	0.013	0.021	0.012	44.033	TRUE	1.79E-10
Overall asthma	UNC13D	cg23470227	rs145224941	C	T	-0.622	0.092	0.014	1.59E-11	0.110	0.044	0.015	0.012	45.398	TRUE	1.09E-10
Overall asthma	UNC13D	cg23470227	rs147677775	A	G	-0.413	0.066	0.031	4.20E-10	0.038	0.028	0.170	0.010	38.995	TRUE	1.24E-09
Overall asthma	UNC13D	cg23470227	rs2071193	A	G	0.273	0.023	0.425	6.68E-32	-0.015	0.010	0.120	0.036	138.098	TRUE	1.72E-30
Overall asthma	UNC13D	cg23470227	rs2305914	T	C	-0.449	0.049	0.068	2.61E-20	-0.015	0.020	0.460	0.023	85.219	TRUE	1.07E-19
Overall asthma	UNC13D	cg23470227	rs4788909	G	C	-0.347	0.030	0.201	2.14E-31	0.002	0.012	0.850	0.035	135.784	TRUE	1.18E-30
Overall asthma	UNC13D	cg23470227	rs56321017	T	C	-0.512	0.087	0.019	3.54E-09	-0.028	0.034	0.410	0.009	34.844	TRUE	7.15E-09
Overall asthma	UNC13D	cg23470227	rs62090776	T	G	-0.343	0.041	0.094	9.02E-17	0.060	0.017	2.80E-04	0.018	69.136	TRUE	2.51E-15
Overall asthma	UNC13D	cg23470227	rs7216655	A	G	0.521	0.068	0.066	1.60E-14	0.009	0.019	0.630	0.016	58.940	TRUE	3.59E-14
Overall asthma	UNC13D	cg23470227	rs7217719	C	T	-0.241	0.025	0.344	9.98E-23	-0.005	0.010	0.620	0.025	96.226	TRUE	3.90E-22
Overall asthma	UNC13D	cg23470227	rs9900933	C	T	-0.831	0.022	0.348	<1E-200	0.033	0.010	0.001	0.287	1485.716	TRUE	1.43E-281
Overall asthma	UNC13D	cg23891399	rs12325726	T	C	-0.212	0.032	0.167	4.34E-11	0.029	0.013	0.021	0.012	43.429	TRUE	2.40E-10
Overall asthma	UNC13D	cg23891399	rs12601118	A	C	-0.430	0.044	0.074	7.14E-23	0.014	0.019	0.440	0.026	96.890	TRUE	3.51E-22
Overall asthma	UNC13D	cg23891399	rs144456260	A	G	0.425	0.078	0.030	4.92E-08	-0.025	0.029	0.380	0.008	29.731	TRUE	9.43E-08
Overall asthma	UNC13D	cg23891399	rs145224941	C	T	-0.636	0.092	0.014	5.70E-12	0.110	0.044	0.015	0.013	47.406	TRUE	4.12E-11
Overall asthma	UNC13D	cg23891399	rs2071193	A	G	0.319	0.023	0.425	3.78E-43	-0.015	0.010	0.120	0.049	189.552	TRUE	3.48E-41
Overall asthma	UNC13D	cg23891399	rs2598431	G	A	0.303	0.052	0.052	6.12E-09	0.024	0.020	0.220	0.009	33.778	TRUE	1.50E-08
Overall asthma	UNC13D	cg23891399	rs3744011	T	C	-0.687	0.059	0.048	1.54E-31	-0.007	0.024	0.770	0.036	136.447	TRUE	9.54E-31
Overall asthma	UNC13D	cg23891399	rs4485425	A	G	-0.861	0.023	0.301	<1E-200	0.032	0.011	0.003	0.281	1442.108	TRUE	1.03E-274
Overall asthma	UNC13D	cg23891399	rs62090776	T	G	-0.360	0.041	0.094	2.80E-18	0.060	0.017	2.80E-04	0.020	75.985	TRUE	9.61E-17
Overall asthma	UNC13D	cg23891399	rs7216655	A	G	0.486	0.068	0.066	8.43E-13	0.009	0.019	0.630	0.014	51.153	TRUE	1.71E-12
Overall asthma	UNC13D	cg23891399	rs75988962	T	C	-0.636	0.036	0.117	2.96E-69	0.006	0.015	0.690	0.077	309.224	TRUE	1.58E-66
Overall asthma	UNC13D	cg23891399	rs9900702	C	T	-0.618	0.082	0.022	5.15E-14	-0.020	0.034	0.550	0.015	56.641	TRUE	1.21E-13
Overall asthma	UNC5B	cg02378006	rs12412628	G	A	-0.190	0.023	0.444	2.84E-16	0.001	0.010	0.890	0.018	66.878	TRUE	5.40E-16
Overall asthma	UNC5B	cg02675344	rs7090550	C	T	0.139	0.023	0.451	3.20E-09	-0.002	0.010	0.860	0.009	35.036	TRUE	4.51E-09

Overall asthma	UNC5B	cg04177244	rs10823691	C	T	0.265	0.026	0.279	1.32E-24	-0.003	0.011	0.760	0.028	104.783	TRUE	4.84E-24
Overall asthma	UNC5B	cg04177244	rs10999720	A	G	-0.558	0.040	0.092	3.67E-44	0.017	0.016	0.310	0.050	194.189	TRUE	2.03E-42
Overall asthma	UNC5B	cg04269057	rs827276	T	C	0.225	0.037	0.108	1.54E-09	-0.008	0.015	0.600	0.010	36.468	TRUE	2.63E-09
Overall asthma	UNC5B	cg08539872	rs80017311	C	G	0.670	0.042	0.089	2.00E-58	0.035	0.016	0.029	0.066	259.550	TRUE	3.65E-55
Overall asthma	UNC5B	cg08539872	rs879279	A	C	-0.250	0.026	0.287	1.34E-21	-0.002	0.011	0.870	0.024	91.096	TRUE	3.54E-21
Overall asthma	UNC5B	cg08905239	rs10999725	G	C	-0.556	0.040	0.090	4.55E-43	0.013	0.016	0.410	0.049	189.185	TRUE	1.61E-41
Overall asthma	UNC5B	cg08905239	rs2153712	G	A	0.513	0.025	0.286	1.86E-92	-0.005	0.011	0.630	0.101	415.719	TRUE	5.28E-88
Overall asthma	UNC5B	cg08905239	rs4345888	G	A	0.309	0.029	0.192	7.96E-26	0.009	0.012	0.480	0.029	110.352	TRUE	4.82E-25
Overall asthma	UNC5B	cg11224737	rs10999741	A	G	0.252	0.026	0.285	1.31E-22	-0.001	0.011	0.900	0.025	95.689	TRUE	3.55E-22
Overall asthma	UNC5B	cg17477835	rs6480504	A	G	0.397	0.046	0.064	7.52E-18	-0.009	0.019	0.640	0.020	74.034	TRUE	2.05E-17
Overall asthma	UNC5B	cg17477835	rs71477537	T	C	0.278	0.050	0.050	3.11E-08	-0.002	0.020	0.930	0.008	30.621	TRUE	3.99E-08
Overall asthma	UNC5B	cg18317005	rs10400016	G	A	-0.349	0.023	0.432	4.60E-51	0.002	0.010	0.850	0.058	225.811	TRUE	1.69E-49
Overall asthma	UNC5B	cg18317005	rs12767939	C	G	0.205	0.024	0.371	4.57E-17	0.008	0.010	0.420	0.019	70.477	TRUE	1.54E-16
Overall asthma	UNC5B	cg18317005	rs2394789	G	A	-0.548	0.048	0.060	8.46E-30	-0.014	0.020	0.490	0.034	128.491	TRUE	7.09E-29
Overall asthma	UNC5B	cg18317005	rs35462186	T	G	-0.325	0.054	0.046	2.39E-09	-0.024	0.020	0.230	0.010	35.606	TRUE	6.07E-09
Overall asthma	UNC5B	cg18317005	rs56275535	T	C	-0.286	0.034	0.142	1.48E-17	0.010	0.014	0.450	0.019	72.696	TRUE	4.85E-17
Overall asthma	UNC5B	cg18389931	rs61851258	G	A	-0.347	0.043	0.081	1.26E-15	-0.012	0.017	0.460	0.017	63.934	TRUE	3.60E-15
Overall asthma	UNC5B	cg19673155	rs1124397	C	T	-0.224	0.026	0.315	1.87E-18	-0.004	0.010	0.710	0.020	76.778	TRUE	4.89E-18
Overall asthma	UNC5B	cg23622162	rs10400146	T	C	-0.412	0.030	0.185	6.88E-43	-0.013	0.012	0.290	0.048	188.364	TRUE	3.37E-41
Overall asthma	UNC5B	cg23622162	rs10823707	G	T	0.187	0.023	0.464	1.48E-15	0.003	0.010	0.760	0.017	63.627	TRUE	3.08E-15
Overall asthma	UNC5B	cg23622162	rs12357498	T	C	0.159	0.029	0.197	4.65E-08	-0.020	0.012	0.099	0.008	29.841	TRUE	1.36E-07
Overall asthma	UNC5B	cg23622162	rs13419	G	A	-0.987	0.021	0.273	<1E-200	-0.010	0.011	0.370	0.383	2294.710	TRUE	<1E-200
Overall asthma	UNC5B	cg23622162	rs16928669	G	A	1.683	0.061	0.033	9.90E-168	0.036	0.027	0.180	0.171	761.581	TRUE	1.88E-154
Overall asthma	UNC5B	cg23622162	rs2066210	G	A	0.373	0.044	0.151	4.32E-17	-0.002	0.013	0.900	0.019	70.587	TRUE	8.51E-17
Overall asthma	UNC5B	cg23622162	rs2487068	A	G	0.207	0.036	0.119	1.35E-08	0.026	0.015	0.077	0.009	32.245	TRUE	4.30E-08
Overall asthma	UNC5B	cg23622162	rs4381296	A	T	-0.212	0.024	0.347	3.29E-18	-0.021	0.010	0.041	0.020	75.666	TRUE	3.52E-17
Overall asthma	UNC5B	cg23622162	rs74147806	G	C	0.612	0.042	0.082	1.03E-48	0.015	0.018	0.410	0.055	215.038	TRUE	7.13E-47
Overall asthma	UNC5B	cg23622162	rs77618593	T	C	-0.675	0.112	0.024	1.55E-09	-0.017	0.028	0.540	0.010	36.449	TRUE	2.83E-09
Overall asthma	UNC5B	cg23622162	rs7897039	G	T	-0.187	0.026	0.282	8.46E-13	-0.013	0.011	0.240	0.014	51.144	TRUE	2.77E-12
Overall asthma	UNC5B	cg23622162	rs809691	A	T	0.162	0.025	0.360	4.69E-11	0.016	0.010	0.120	0.012	43.277	TRUE	1.75E-10
Overall asthma	UNC5B	cg24839386	rs10823707	G	T	-0.220	0.023	0.464	6.85E-21	0.003	0.010	0.760	0.023	87.862	TRUE	1.97E-20
Overall asthma	UNC5B	cg24839386	rs12355168	T	A	-0.659	0.042	0.086	4.88E-55	0.035	0.016	0.032	0.062	244.026	TRUE	5.35E-52
Overall asthma	UNC5B	cg24839386	rs7895359	A	G	0.175	0.031	0.174	1.64E-08	-0.011	0.013	0.390	0.009	31.863	TRUE	3.21E-08
Overall asthma	UNC5B	cg26152017	rs10823707	G	T	-0.227	0.023	0.464	2.83E-22	0.003	0.010	0.760	0.025	94.162	TRUE	8.92E-22
Overall asthma	UNC5B	cg26152017	rs12355168	T	A	-0.671	0.042	0.086	6.95E-57	0.035	0.016	0.032	0.064	252.490	TRUE	1.00E-53
Overall asthma	USP47	cg01298758	rs4910415	G	A	0.156	0.024	0.418	4.13E-11	0.001	0.010	0.940	0.012	43.527	TRUE	5.87E-11
Overall asthma	USP47	cg01298758	rs72854884	A	T	-0.556	0.032	0.158	1.24E-68	-0.038	0.013	0.004	0.076	306.369	TRUE	3.80E-64
Overall asthma	USP47	cg01298758	rs72857644	T	A	-0.176	0.032	0.165	2.96E-08	-0.003	0.013	0.810	0.008	30.715	TRUE	4.14E-08
Overall asthma	USP47	cg01298758	rs7949993	A	G	0.166	0.030	0.180	4.23E-08	-0.032	0.012	0.007	0.008	30.026	TRUE	2.08E-07
Overall asthma	USP47	cg01298758	rs7951773	A	G	0.255	0.026	0.284	1.11E-22	-0.008	0.010	0.430	0.025	96.008	TRUE	5.84E-22
Overall asthma	USP47	cg02501827	rs11022098	T	C	0.217	0.025	0.334	3.56E-18	0.015	0.010	0.140	0.020	75.512	TRUE	2.32E-17
Overall asthma	USP47	cg02501827	rs145613354	A	G	-0.868	0.111	0.020	5.34E-15	0.012	0.035	0.720	0.016	61.098	TRUE	1.11E-14

Overall asthma	USP47	cg02501827	rs16910208	T	G	-0.964	0.029	0.158	9.28E-249	-0.039	0.013	0.003	0.235	1134.132	TRUE	8.32E-221
Overall asthma	USP47	cg02501827	rs4910415	G	A	0.279	0.024	0.418	1.80E-32	0.001	0.010	0.940	0.037	140.700	TRUE	9.42E-32
Overall asthma	USP47	cg02501827	rs7122133	T	C	0.129	0.023	0.440	4.03E-08	0.007	0.010	0.490	0.008	30.117	TRUE	7.06E-08
Overall asthma	USP47	cg02501827	rs7124322	T	C	0.313	0.028	0.213	2.41E-29	-0.017	0.012	0.160	0.033	126.417	TRUE	4.15E-28
Overall asthma	USP47	cg02501827	rs7949993	A	G	0.245	0.030	0.180	6.57E-16	-0.032	0.012	0.007	0.017	65.225	TRUE	8.49E-15
Overall asthma	USP47	cg08496387	rs10831676	C	A	-0.282	0.023	0.467	1.71E-33	-0.006	0.010	0.510	0.038	145.372	TRUE	1.92E-32
Overall asthma	USP47	cg08496387	rs7122133	T	C	0.138	0.023	0.440	3.78E-09	0.007	0.010	0.490	0.009	34.713	TRUE	7.04E-09
Overall asthma	USP47	cg08496387	rs7124322	T	C	0.213	0.028	0.213	1.80E-14	-0.017	0.012	0.160	0.016	58.703	TRUE	7.99E-14
Overall asthma	USP47	cg12492653	rs10765885	T	C	0.189	0.029	0.209	4.35E-11	-0.036	0.012	0.002	0.012	43.426	TRUE	3.86E-10
Overall asthma	USP47	cg12492653	rs12225713	C	A	0.199	0.029	0.203	6.28E-12	-0.017	0.011	0.130	0.013	47.214	TRUE	2.44E-11
Overall asthma	USP47	cg12492653	rs139167810	T	G	-0.698	0.105	0.011	2.86E-11	0.007	0.037	0.860	0.012	44.247	TRUE	4.39E-11
Overall asthma	USP47	cg12492653	rs145613354	A	G	-0.901	0.111	0.020	4.07E-16	0.012	0.035	0.720	0.018	66.167	TRUE	9.03E-16
Overall asthma	USP47	cg12492653	rs17446126	C	G	-0.295	0.052	0.049	1.73E-08	-0.031	0.020	0.130	0.009	31.763	TRUE	4.94E-08
Overall asthma	USP47	cg12492653	rs7109675	G	A	0.276	0.027	0.245	9.59E-25	-0.016	0.011	0.160	0.028	105.421	TRUE	1.10E-23
Overall asthma	USP47	cg12492653	rs72856331	A	G	-1.043	0.028	0.157	2.60E-301	-0.042	0.013	0.002	0.271	1375.824	TRUE	7.34E-263
Overall asthma	USP47	cg12492653	rs7935751	C	T	0.291	0.025	0.341	3.98E-32	0.022	0.010	0.032	0.036	139.127	TRUE	2.16E-30
Overall asthma	USP47	cg20728419	rs768807	T	G	-0.140	0.025	0.316	1.80E-08	0.020	0.010	0.048	0.008	31.679	TRUE	6.56E-08
Overall asthma	USP47	cg20781421	rs7108586	T	C	-0.216	0.025	0.317	7.18E-18	0.021	0.010	0.037	0.020	74.125	TRUE	7.42E-17
Overall asthma	USP47	cg24383467	rs11021995	C	T	-0.161	0.027	0.247	2.11E-09	0.008	0.011	0.460	0.010	35.848	TRUE	4.10E-09
Overall asthma	USP47	cg24383467	rs11022020	T	C	0.194	0.031	0.167	3.63E-10	0.007	0.013	0.610	0.011	39.281	TRUE	6.47E-10
Overall asthma	USP47	cg24383467	rs12225759	A	G	0.218	0.026	0.268	1.62E-16	-0.024	0.011	0.025	0.018	67.986	TRUE	1.55E-15
Overall asthma	USP47	cg24383467	rs6485214	A	G	0.213	0.030	0.184	7.46E-13	-0.016	0.012	0.200	0.014	51.393	TRUE	2.72E-12
Overall asthma	USP47	cg24383467	rs6485256	G	A	0.297	0.030	0.193	3.14E-23	0.015	0.012	0.220	0.026	98.517	TRUE	2.57E-22
Overall asthma	USP47	cg24383467	rs72857612	A	C	0.214	0.032	0.162	1.47E-11	-0.047	0.013	2.70E-04	0.012	45.543	TRUE	2.05E-10
Overall asthma	USP47	cg24383467	rs7479970	A	G	0.309	0.030	0.181	2.15E-24	-0.004	0.013	0.780	0.027	103.823	TRUE	7.58E-24
Overall asthma	USP47	cg24383467	rs76777854	T	C	-0.546	0.082	0.023	3.44E-11	-0.016	0.034	0.640	0.012	43.883	TRUE	6.35E-11
Overall asthma	USP47	cg24383467	rs7926410	A	G	-0.658	0.024	0.307	3.70E-162	0.025	0.010	0.016	0.166	735.968	TRUE	2.43E-148
Overall asthma	USP47	cg24383467	rs7937815	G	A	-0.239	0.024	0.475	2.96E-24	0.001	0.010	0.890	0.027	103.188	TRUE	9.20E-24
Overall asthma	WAC	cg04045419	rs10826476	G	T	-0.187	0.025	0.298	5.15E-14	0.017	0.010	0.100	0.015	56.641	TRUE	2.69E-13
Overall asthma	WAC	cg04045419	rs10826497	A	G	-0.161	0.027	0.255	1.25E-09	-0.011	0.011	0.330	0.010	36.867	TRUE	2.89E-09
Overall asthma	WAC	cg04045419	rs12246494	C	T	-0.166	0.023	0.476	7.18E-13	0.007	0.010	0.480	0.014	51.468	TRUE	1.71E-12
Overall asthma	WAC	cg04045419	rs61848533	A	C	-0.168	0.027	0.255	2.73E-10	-0.001	0.011	0.920	0.011	39.841	TRUE	3.81E-10
Overall asthma	WAC	cg04045419	rs6481534	T	C	0.606	0.025	0.278	1.73E-128	-0.007	0.011	0.510	0.136	581.228	TRUE	1.52E-120
Overall asthma	WAC	cg05797732	rs11597279	G	T	-0.169	0.026	0.276	1.27E-10	-0.006	0.011	0.560	0.011	41.328	TRUE	2.42E-10
Overall asthma	WAC	cg24792245	rs11007134	C	T	-0.271	0.027	0.235	4.51E-23	0.008	0.011	0.480	0.026	97.798	TRUE	2.24E-22
Overall asthma	WAC	cg24792245	rs2998286	T	C	0.385	0.027	0.230	3.04E-45	-0.023	0.011	0.046	0.051	199.142	TRUE	7.43E-43
Overall asthma	WAC	cg24792245	rs7070703	C	T	-0.148	0.023	0.470	1.36E-10	0.004	0.010	0.660	0.011	41.205	TRUE	2.38E-10
Overall asthma	WAC	cg25656514	rs332135	G	A	-0.193	0.029	0.196	1.38E-11	-0.003	0.012	0.790	0.012	45.666	TRUE	2.28E-11
Overall asthma	WBP2	cg12884495	rs2244377	A	G	0.139	0.024	0.350	1.13E-08	0.030	0.010	0.003	0.009	32.589	TRUE	7.16E-08
Overall asthma	WBP2	cg12884495	rs79359749	A	G	0.653	0.093	0.018	2.20E-12	-0.031	0.034	0.360	0.013	49.272	TRUE	5.82E-12
Overall asthma	WBP2	cg12884495	rs9903200	A	G	0.329	0.026	0.300	2.33E-37	0.039	0.011	2.20E-04	0.042	163.050	TRUE	1.18E-34
Overall asthma	WIPI2	cg00393985	rs10081294	G	A	0.271	0.024	0.402	9.14E-30	-0.003	0.010	0.740	0.034	128.337	TRUE	5.11E-29

Overall asthma	WIPI2	cg00393985	rs11761408	C	A	0.876	0.026	0.226	2.10E-249	-0.030	0.011	0.008	0.235	1137.095	TRUE	1.08E-221
Overall asthma	WIPI2	cg00393985	rs118073321	T	G	0.514	0.071	0.028	4.08E-13	-0.024	0.027	0.380	0.014	52.578	TRUE	1.12E-12
Overall asthma	WIPI2	cg00393985	rs144966332	A	G	0.798	0.058	0.035	1.54E-42	-0.020	0.025	0.420	0.048	186.754	TRUE	5.06E-41
Overall asthma	WIPI2	cg00393985	rs147041046	A	C	0.460	0.071	0.030	7.30E-11	0.022	0.028	0.440	0.011	42.414	TRUE	1.61E-10
Overall asthma	WIPI2	cg00393985	rs28619195	T	C	-0.499	0.069	0.033	3.77E-13	0.002	0.027	0.950	0.014	52.729	TRUE	5.82E-13
Overall asthma	WIPI2	cg00393985	rs4236384	C	T	0.358	0.032	0.168	1.04E-28	-0.008	0.013	0.540	0.032	123.522	TRUE	7.17E-28
Overall asthma	WIPI2	cg00393985	rs4257935	C	A	-0.159	0.024	0.355	7.55E-11	0.021	0.010	0.035	0.011	42.349	TRUE	3.80E-10
Overall asthma	WIPI2	cg00393985	rs4339542	G	A	-0.261	0.047	0.061	2.78E-08	0.003	0.018	0.870	0.008	30.842	TRUE	3.72E-08
Overall asthma	WIPI2	cg00393985	rs58708878	T	C	0.154	0.025	0.321	5.34E-10	-0.017	0.010	0.095	0.010	38.527	TRUE	1.92E-09
Overall asthma	WIPI2	cg00393985	rs62441954	T	C	-0.569	0.029	0.218	3.60E-88	0.000	0.012	0.990	0.097	396.040	TRUE	2.01E-84
Overall asthma	WIPI2	cg00393985	rs6463369	G	A	0.198	0.024	0.376	3.47E-16	-0.006	0.010	0.580	0.018	66.479	TRUE	9.18E-16
Overall asthma	WIPI2	cg00393985	rs6949942	T	C	0.667	0.033	0.139	2.50E-93	0.011	0.014	0.430	0.102	419.723	TRUE	1.54E-88
Overall asthma	WIPI2	cg00393985	rs6958550	T	G	-0.134	0.024	0.467	1.22E-08	-0.011	0.010	0.250	0.009	32.441	TRUE	2.84E-08
Overall asthma	WIPI2	cg00393985	rs6976902	T	G	0.500	0.058	0.046	5.04E-18	-0.001	0.024	0.970	0.020	74.823	TRUE	9.77E-18
Overall asthma	WIPI2	cg00393985	rs73042232	G	T	0.211	0.026	0.300	2.52E-16	-0.011	0.011	0.280	0.018	67.107	TRUE	9.48E-16
Overall asthma	WIPI2	cg00393985	rs73048017	C	T	-0.439	0.029	0.195	9.97E-52	0.017	0.012	0.160	0.058	228.852	TRUE	2.28E-49
Overall asthma	WIPI2	cg00393985	rs74952796	G	C	-0.366	0.063	0.034	7.92E-09	0.034	0.025	0.180	0.009	33.276	TRUE	2.11E-08
Overall asthma	WIPI2	cg00393985	rs78435810	G	C	0.632	0.079	0.022	1.07E-15	-0.032	0.029	0.260	0.017	64.260	TRUE	4.15E-15
Overall asthma	WIPI2	cg00579868	rs10081294	G	A	0.264	0.024	0.402	2.38E-28	-0.003	0.010	0.740	0.032	121.872	TRUE	1.19E-27
Overall asthma	WIPI2	cg00579868	rs11761408	C	A	0.808	0.026	0.226	1.01E-206	-0.030	0.011	0.008	0.203	940.841	TRUE	3.27E-186
Overall asthma	WIPI2	cg00579868	rs13221361	T	C	0.360	0.034	0.128	6.05E-26	0.008	0.014	0.540	0.029	110.897	TRUE	3.29E-25
Overall asthma	WIPI2	cg00579868	rs144966332	A	G	0.850	0.058	0.035	3.45E-48	-0.020	0.025	0.420	0.054	212.638	TRUE	2.14E-46
Overall asthma	WIPI2	cg00579868	rs34185494	T	C	-0.400	0.024	0.421	1.76E-64	0.006	0.010	0.560	0.072	287.323	TRUE	6.45E-62
Overall asthma	WIPI2	cg00579868	rs4236384	C	T	0.272	0.032	0.168	3.33E-17	-0.008	0.013	0.540	0.019	71.100	TRUE	9.76E-17
Overall asthma	WIPI2	cg00579868	rs4339542	G	A	-0.256	0.047	0.061	4.72E-08	0.003	0.018	0.870	0.008	29.814	TRUE	6.25E-08
Overall asthma	WIPI2	cg00579868	rs62441943	C	A	-0.422	0.052	0.106	4.05E-16	-0.015	0.015	0.330	0.018	66.174	TRUE	1.50E-15
Overall asthma	WIPI2	cg00579868	rs6463369	G	A	0.171	0.024	0.376	1.57E-12	-0.006	0.010	0.580	0.013	49.938	TRUE	3.30E-12
Overall asthma	WIPI2	cg00579868	rs6976902	T	G	0.333	0.058	0.046	9.22E-09	-0.001	0.024	0.970	0.009	32.982	TRUE	1.17E-08
Overall asthma	WIPI2	cg00579868	rs73048069	A	G	-0.233	0.027	0.259	8.02E-18	-0.002	0.011	0.870	0.020	73.908	TRUE	1.70E-17
Overall asthma	WIPI2	cg00579868	rs74952796	G	C	-0.347	0.063	0.034	4.55E-08	0.034	0.025	0.180	0.008	29.884	TRUE	1.13E-07
Overall asthma	WIPI2	cg00703902	rs62441068	T	C	0.324	0.026	0.289	6.32E-35	0.005	0.011	0.650	0.039	151.921	TRUE	6.14E-34
Overall asthma	WIPI2	cg01683969	rs10951837	A	C	-0.290	0.024	0.363	1.79E-33	0.010	0.010	0.330	0.038	145.280	TRUE	2.84E-32
Overall asthma	WIPI2	cg01683969	rs61978641	T	C	0.315	0.042	0.256	1.18E-13	0.014	0.011	0.200	0.015	55.014	TRUE	4.40E-13
Overall asthma	WIPI2	cg02665297	rs11761408	C	A	0.287	0.028	0.226	6.40E-25	-0.030	0.011	0.008	0.028	106.223	TRUE	2.55E-23
Overall asthma	WIPI2	cg02665297	rs13227919	A	G	0.229	0.033	0.145	2.10E-12	0.012	0.013	0.360	0.013	49.363	TRUE	5.61E-12
Overall asthma	WIPI2	cg02665297	rs4720538	G	T	-0.161	0.029	0.200	4.12E-08	0.016	0.012	0.170	0.008	30.074	TRUE	1.02E-07
Overall asthma	WIPI2	cg02665297	rs62441954	T	C	-0.224	0.029	0.218	1.65E-14	0.000	0.012	0.990	0.016	58.882	TRUE	2.60E-14
Overall asthma	WIPI2	cg02667577	rs11761408	C	A	0.365	0.028	0.226	1.92E-39	-0.030	0.011	0.008	0.045	172.588	TRUE	4.85E-37
Overall asthma	WIPI2	cg02667577	rs28740888	C	A	-0.229	0.040	0.168	1.56E-08	-0.025	0.013	0.050	0.009	31.954	TRUE	5.50E-08
Overall asthma	WIPI2	cg02667577	rs62441954	T	C	-0.246	0.029	0.218	4.17E-17	0.000	0.012	0.990	0.019	70.657	TRUE	7.48E-17
Overall asthma	WIPI2	cg02876211	rs3807586	T	G	0.261	0.027	0.266	3.53E-22	-0.003	0.011	0.800	0.025	93.726	TRUE	1.05E-21
Overall asthma	WIPI2	cg04153882	rs11761408	C	A	0.477	0.028	0.226	2.01E-67	-0.030	0.011	0.008	0.075	300.824	TRUE	3.63E-63

Overall asthma	WIPI2	cg04153882	rs13227919	A	G	0.267	0.033	0.145	2.67E-16	0.012	0.013	0.360	0.018	66.998	TRUE	9.42E-16
Overall asthma	WIPI2	cg04153882	rs144966332	A	G	0.452	0.059	0.035	1.67E-14	-0.020	0.025	0.420	0.016	58.853	TRUE	4.74E-14
Overall asthma	WIPI2	cg04153882	rs62441954	T	C	-0.360	0.029	0.218	2.92E-35	0.000	0.012	0.990	0.040	153.457	TRUE	1.78E-34
Overall asthma	WIPI2	cg06640364	rs112858081	G	A	0.386	0.036	0.112	1.57E-26	-0.025	0.015	0.087	0.030	113.571	TRUE	2.64E-25
Overall asthma	WIPI2	cg06640364	rs3801045	T	C	-0.302	0.051	0.056	2.53E-09	-0.028	0.019	0.160	0.010	35.494	TRUE	7.49E-09
Overall asthma	WIPI2	cg07762099	rs116958730	A	G	-0.313	0.054	0.047	5.12E-09	-0.018	0.021	0.410	0.009	34.126	TRUE	1.04E-08
Overall asthma	WIPI2	cg07762099	rs73048056	C	G	-0.432	0.031	0.159	5.44E-45	-0.025	0.013	0.043	0.051	197.986	TRUE	1.03E-42
Overall asthma	WIPI2	cg09203501	rs10081294	G	A	0.266	0.024	0.402	1.16E-28	-0.003	0.010	0.740	0.032	123.305	TRUE	5.93E-28
Overall asthma	WIPI2	cg09203501	rs11761408	C	A	0.821	0.026	0.226	2.01E-214	-0.030	0.011	0.008	0.209	976.249	TRUE	1.10E-192
Overall asthma	WIPI2	cg09203501	rs13231182	T	C	0.421	0.033	0.133	1.12E-36	0.007	0.014	0.590	0.041	159.930	TRUE	1.44E-35
Overall asthma	WIPI2	cg09203501	rs141926273	A	C	-0.396	0.072	0.033	3.91E-08	0.002	0.027	0.940	0.008	30.178	TRUE	4.96E-08
Overall asthma	WIPI2	cg09203501	rs144966332	A	G	0.817	0.058	0.035	1.29E-44	-0.020	0.025	0.420	0.050	196.274	TRUE	5.31E-43
Overall asthma	WIPI2	cg09203501	rs34185494	T	C	-0.444	0.023	0.421	7.97E-80	0.006	0.010	0.560	0.088	357.731	TRUE	3.06E-76
Overall asthma	WIPI2	cg09203501	rs4236384	C	T	0.302	0.032	0.168	8.20E-21	-0.008	0.013	0.540	0.023	87.508	TRUE	3.08E-20
Overall asthma	WIPI2	cg09203501	rs62441943	C	A	-0.366	0.052	0.106	1.64E-12	-0.015	0.015	0.330	0.013	49.849	TRUE	4.65E-12
Overall asthma	WIPI2	cg09203501	rs6463369	G	A	0.217	0.024	0.376	3.11E-19	-0.006	0.010	0.580	0.021	80.322	TRUE	1.01E-18
Overall asthma	WIPI2	cg09203501	rs6958550	T	G	-0.135	0.024	0.467	1.14E-08	-0.011	0.010	0.250	0.009	32.574	TRUE	2.66E-08
Overall asthma	WIPI2	cg09203501	rs6969542	G	A	0.141	0.024	0.396	2.95E-09	-0.011	0.010	0.270	0.009	35.196	TRUE	7.07E-09
Overall asthma	WIPI2	cg09203501	rs6976902	T	G	0.438	0.058	0.046	3.56E-14	-0.001	0.024	0.970	0.015	57.366	TRUE	5.68E-14
Overall asthma	WIPI2	cg09203501	rs73048069	A	G	-0.257	0.027	0.259	2.21E-21	-0.002	0.011	0.870	0.024	90.099	TRUE	5.79E-21
Overall asthma	WIPI2	cg09305948	rs6463310	C	A	-0.368	0.052	0.053	9.19E-13	-0.030	0.021	0.150	0.014	50.982	TRUE	3.55E-12
Overall asthma	WIPI2	cg09523782	rs10081294	G	A	0.206	0.024	0.402	1.08E-17	-0.003	0.010	0.740	0.019	73.324	TRUE	2.59E-17
Overall asthma	WIPI2	cg09523782	rs11761408	C	A	0.625	0.027	0.226	1.19E-117	-0.030	0.011	0.008	0.126	531.435	TRUE	7.10E-109
Overall asthma	WIPI2	cg09523782	rs144966332	A	G	0.608	0.059	0.035	3.74E-25	-0.020	0.025	0.420	0.028	107.289	TRUE	2.34E-24
Overall asthma	WIPI2	cg09523782	rs4236384	C	T	0.244	0.032	0.168	3.94E-14	-0.008	0.013	0.540	0.015	57.170	TRUE	9.46E-14
Overall asthma	WIPI2	cg09523782	rs4257935	C	A	-0.134	0.024	0.355	4.00E-08	0.021	0.010	0.035	0.008	30.132	TRUE	1.49E-07
Overall asthma	WIPI2	cg09523782	rs4720538	G	T	-0.271	0.029	0.200	2.32E-20	0.016	0.012	0.170	0.023	85.455	TRUE	1.59E-19
Overall asthma	WIPI2	cg09523782	rs62441954	T	C	-0.452	0.029	0.218	3.72E-55	0.000	0.012	0.990	0.062	244.566	TRUE	1.69E-53
Overall asthma	WIPI2	cg09523782	rs6463369	G	A	0.159	0.024	0.376	5.18E-11	-0.006	0.010	0.580	0.012	43.084	TRUE	1.00E-10
Overall asthma	WIPI2	cg09523782	rs6949942	T	C	0.383	0.033	0.139	1.02E-30	0.011	0.014	0.430	0.035	132.689	TRUE	1.02E-29
Overall asthma	WIPI2	cg09523782	rs6976902	T	G	0.389	0.058	0.046	1.83E-11	-0.001	0.024	0.970	0.012	45.121	TRUE	2.59E-11
Overall asthma	WIPI2	cg15277378	rs11761408	C	A	0.200	0.028	0.226	6.70E-13	-0.030	0.011	0.008	0.014	51.603	TRUE	6.30E-12
Overall asthma	WIPI2	cg15277378	rs62441954	T	C	-0.348	0.029	0.218	3.79E-33	0.000	0.012	0.990	0.037	143.793	TRUE	1.95E-32
Overall asthma	WIPI2	cg17652756	rs13239641	G	C	-0.270	0.041	0.084	4.23E-11	0.001	0.017	0.940	0.012	43.479	TRUE	6.06E-11
Overall asthma	WIPI2	cg17652756	rs76950470	A	G	0.404	0.035	0.120	8.53E-31	-0.030	0.014	0.035	0.035	133.043	TRUE	3.73E-29
Overall asthma	WIPI2	cg20032693	rs10239329	T	C	0.150	0.024	0.432	2.91E-10	-0.009	0.010	0.380	0.011	39.711	TRUE	6.57E-10
Overall asthma	WIPI2	cg20032693	rs11971512	G	A	0.144	0.024	0.415	1.59E-09	0.001	0.010	0.920	0.010	36.396	TRUE	2.16E-09
Overall asthma	WIPI2	cg20032693	rs141926273	A	C	0.533	0.072	0.033	1.31E-13	0.002	0.027	0.940	0.015	54.811	TRUE	2.09E-13
Overall asthma	WIPI2	cg20032693	rs4339542	G	A	-0.598	0.046	0.061	7.08E-38	0.003	0.018	0.870	0.043	165.420	TRUE	6.58E-37
Overall asthma	WIPI2	cg20032693	rs62441078	T	C	-0.409	0.034	0.134	1.88E-32	-0.020	0.014	0.150	0.037	140.611	TRUE	4.51E-31
Overall asthma	WIPI2	cg20032693	rs62441140	T	C	-0.289	0.037	0.132	2.77E-15	0.015	0.013	0.270	0.017	62.388	TRUE	1.08E-14
Overall asthma	WIPI2	cg20032693	rs7904	T	C	-0.192	0.025	0.373	5.96E-15	0.015	0.010	0.140	0.016	60.884	TRUE	2.96E-14

Overall asthma	WIPI2	cg20071624	rs1134489	A	G	0.650	0.034	0.122	1.27E-83	-0.029	0.014	0.042	0.092	375.159	TRUE	1.37E-78
Overall asthma	WIPI2	cg20071624	rs6955551	G	A	-0.189	0.023	0.479	5.95E-16	0.003	0.010	0.780	0.017	65.418	TRUE	1.24E-15
Overall asthma	WIPI2	cg20071624	rs73316699	A	G	0.287	0.032	0.149	1.00E-18	-0.023	0.013	0.090	0.021	78.016	TRUE	8.58E-18
Overall asthma	WIPI2	cg20099458	rs11761408	C	A	0.499	0.027	0.226	1.01E-73	-0.030	0.011	0.008	0.082	329.722	TRUE	5.53E-69
Overall asthma	WIPI2	cg20099458	rs118073321	T	G	0.410	0.071	0.028	7.33E-09	-0.024	0.027	0.380	0.009	33.427	TRUE	1.51E-08
Overall asthma	WIPI2	cg20099458	rs144966332	A	G	0.446	0.059	0.035	3.58E-14	-0.020	0.025	0.420	0.015	57.354	TRUE	9.93E-14
Overall asthma	WIPI2	cg20099458	rs4236384	C	T	0.199	0.032	0.168	7.49E-10	-0.008	0.013	0.540	0.010	37.868	TRUE	1.39E-09
Overall asthma	WIPI2	cg20099458	rs4720538	G	T	-0.239	0.029	0.200	3.34E-16	0.016	0.012	0.170	0.018	66.556	TRUE	1.61E-15
Overall asthma	WIPI2	cg20099458	rs4724331	T	C	0.167	0.026	0.292	1.64E-10	0.015	0.011	0.140	0.011	40.832	TRUE	5.03E-10
Overall asthma	WIPI2	cg20099458	rs62441954	T	C	-0.409	0.029	0.218	3.70E-45	0.000	0.012	0.990	0.051	198.755	TRUE	5.64E-44
Overall asthma	WIPI2	cg20099458	rs6949942	T	C	0.375	0.033	0.139	1.44E-29	0.011	0.014	0.430	0.033	127.434	TRUE	1.30E-28
Overall asthma	WIPI2	cg20099458	rs6976902	T	G	0.350	0.058	0.046	1.53E-09	-0.001	0.024	0.970	0.010	36.480	TRUE	2.00E-09
Overall asthma	WIPI2	cg20367388	rs116124277	A	G	0.468	0.035	0.120	4.88E-41	-0.033	0.014	0.021	0.046	179.888	TRUE	9.65E-39
Overall asthma	WIPI2	cg20367388	rs6972587	A	C	-0.145	0.025	0.346	7.36E-09	-0.007	0.010	0.480	0.009	33.420	TRUE	1.38E-08
Overall asthma	WIPI2	cg20367388	rs75028200	C	T	0.368	0.052	0.052	9.61E-13	-0.013	0.021	0.530	0.014	50.894	TRUE	2.14E-12
Overall asthma	WIPI2	cg21585409	rs11761408	C	A	0.369	0.028	0.226	2.12E-40	-0.030	0.011	0.008	0.046	176.973	TRUE	6.09E-38
Overall asthma	WIPI2	cg21585409	rs144966332	A	G	0.412	0.059	0.035	2.52E-12	-0.020	0.025	0.420	0.013	49.008	TRUE	6.16E-12
Overall asthma	WIPI2	cg21585409	rs200467802	T	G	0.142	0.024	0.374	6.18E-09	-0.012	0.010	0.230	0.009	33.758	TRUE	1.53E-08
Overall asthma	WIPI2	cg21585409	rs28740888	C	A	-0.232	0.040	0.168	8.74E-09	-0.025	0.013	0.050	0.009	33.085	TRUE	3.15E-08
Overall asthma	WIPI2	cg21585409	rs62441954	T	C	-0.250	0.029	0.218	1.12E-17	0.000	0.012	0.990	0.019	73.252	TRUE	2.07E-17
Overall asthma	WIPI2	cg21764632	rs11761408	C	A	0.252	0.028	0.226	1.63E-19	-0.030	0.011	0.008	0.022	81.601	TRUE	3.39E-18
Overall asthma	WIPI2	cg22663933	rs1134489	A	G	0.574	0.034	0.122	9.38E-63	-0.029	0.014	0.042	0.070	279.406	TRUE	2.79E-59
Overall asthma	WIPI2	cg22663933	rs116958730	A	G	0.395	0.054	0.047	1.93E-13	-0.018	0.021	0.410	0.014	54.049	TRUE	5.29E-13
Overall asthma	WIPI2	cg22663933	rs34185494	T	C	-0.203	0.024	0.421	1.78E-17	0.006	0.010	0.560	0.019	72.336	TRUE	5.18E-17
Overall asthma	WIPI2	cg22663933	rs4427074	G	A	-0.698	0.050	0.057	1.89E-43	-0.034	0.021	0.098	0.049	190.929	TRUE	1.98E-41
Overall asthma	WIPI2	cg22663933	rs4720508	G	A	-0.182	0.024	0.369	7.11E-14	-0.006	0.010	0.570	0.015	56.007	TRUE	1.64E-13
Overall asthma	WIPI2	cg22663933	rs6463307	G	T	-0.142	0.025	0.367	8.05E-09	0.008	0.010	0.450	0.009	33.246	TRUE	1.53E-08
Overall asthma	WIPI2	cg23122899	rs4720529	C	G	-0.201	0.025	0.346	4.65E-16	0.017	0.010	0.083	0.018	65.904	TRUE	2.93E-15
Overall asthma	WIPI2	cg23122899	rs4720532	A	T	0.333	0.030	0.176	3.81E-28	-0.036	0.012	0.004	0.032	120.940	TRUE	2.97E-26
Overall asthma	WIPI2	cg23122899	rs79845625	T	C	-0.155	0.025	0.353	9.01E-10	0.008	0.010	0.450	0.010	37.508	TRUE	1.81E-09
Overall asthma	WIPI2	cg23562222	rs13227919	A	G	0.458	0.032	0.145	2.04E-45	0.012	0.013	0.360	0.051	199.935	TRUE	1.09E-43
Overall asthma	WIPI2	cg23562222	rs4720529	C	G	-0.339	0.025	0.346	3.81E-43	0.017	0.010	0.083	0.049	189.536	TRUE	4.28E-41
Overall asthma	WIPI2	cg23562222	rs4720532	A	T	0.390	0.030	0.176	5.85E-38	-0.036	0.012	0.004	0.043	165.800	TRUE	1.68E-35
Overall asthma	WIPI2	cg23562222	rs7793457	G	C	0.144	0.026	0.293	2.30E-08	0.002	0.011	0.870	0.008	31.206	TRUE	3.07E-08
Overall asthma	WIPI2	cg23562222	rs79845625	T	C	-0.182	0.025	0.353	9.07E-13	0.008	0.010	0.450	0.014	51.008	TRUE	2.21E-12
Overall asthma	WIPI2	cg24555360	rs3807586	T	G	0.278	0.027	0.266	4.99E-25	-0.003	0.011	0.800	0.028	106.717	TRUE	1.80E-24
Overall asthma	WIPI2	cg26660312	rs10081294	G	A	0.287	0.024	0.402	3.20E-33	-0.003	0.010	0.740	0.038	144.128	TRUE	2.38E-32
Overall asthma	WIPI2	cg26660312	rs11761408	C	A	0.940	0.024	0.226	<1E-200	-0.030	0.011	0.008	0.289	1505.255	TRUE	9.55E-286
Overall asthma	WIPI2	cg26660312	rs144966332	A	G	0.968	0.058	0.035	1.29E-62	-0.020	0.025	0.420	0.070	278.774	TRUE	5.16E-60
Overall asthma	WIPI2	cg26660312	rs34185494	T	C	-0.498	0.023	0.421	1.83E-101	0.006	0.010	0.560	0.110	457.082	TRUE	3.64E-96
Overall asthma	WIPI2	cg26660312	rs35700108	C	G	0.446	0.033	0.133	6.57E-41	0.008	0.014	0.570	0.046	179.298	TRUE	1.33E-39
Overall asthma	WIPI2	cg26660312	rs4236384	C	T	0.343	0.032	0.168	1.68E-26	-0.008	0.013	0.540	0.030	113.434	TRUE	9.71E-26

Overall asthma	WIPI2	cg26660312	rs4339542	G	A	-0.278	0.047	0.061	2.97E-09	0.003	0.018	0.870	0.009	35.187	TRUE	4.14E-09
Overall asthma	WIPI2	cg26660312	rs58708878	T	C	0.175	0.025	0.321	1.45E-12	-0.017	0.010	0.095	0.013	50.093	TRUE	6.59E-12
Overall asthma	WIPI2	cg26660312	rs62441943	C	A	-0.448	0.052	0.106	4.58E-18	-0.015	0.015	0.330	0.020	75.013	TRUE	1.96E-17
Overall asthma	WIPI2	cg26660312	rs6463369	G	A	0.202	0.024	0.376	6.71E-17	-0.006	0.010	0.580	0.018	69.718	TRUE	1.86E-16
Overall asthma	WIPI2	cg26660312	rs6958550	T	G	-0.135	0.024	0.467	9.42E-09	-0.011	0.010	0.250	0.009	32.940	TRUE	2.21E-08
Overall asthma	WIPI2	cg26660312	rs6976902	T	G	0.437	0.058	0.046	4.13E-14	-0.001	0.024	0.970	0.015	57.076	TRUE	6.57E-14
Overall asthma	WIPI2	cg26660312	rs73048069	A	G	-0.299	0.027	0.259	1.54E-28	-0.002	0.011	0.870	0.032	122.735	TRUE	6.59E-28
Overall asthma	WIPI2	cg27021327	rs116958730	A	G	0.337	0.054	0.047	4.00E-10	-0.018	0.021	0.410	0.010	39.091	TRUE	8.78E-10
Overall asthma	WIPI2	cg27021327	rs4595030	C	A	0.207	0.034	0.140	1.85E-09	-0.008	0.013	0.570	0.010	36.105	TRUE	3.33E-09
Overall asthma	WIPI2	cg27021327	rs4724461	C	A	0.480	0.029	0.205	2.33E-63	-0.029	0.011	0.011	0.071	282.182	TRUE	1.84E-59
Overall asthma	WIPI2	cg27021327	rs6951007	A	C	0.257	0.032	0.154	1.07E-15	0.001	0.013	0.920	0.017	64.256	TRUE	1.94E-15
Overall asthma	WIPI2	cg27021327	rs6956071	A	G	-0.279	0.024	0.406	3.25E-31	0.018	0.010	0.064	0.035	134.959	TRUE	1.07E-29
Overall asthma	WIPI2	cg27021327	rs79845625	T	C	-0.157	0.025	0.353	7.27E-10	0.008	0.010	0.450	0.010	37.928	TRUE	1.47E-09
Overall asthma	WIPI2	cg27152128	rs11761408	C	A	0.225	0.027	0.226	2.75E-16	-0.030	0.011	0.008	0.018	66.937	TRUE	3.90E-15
Overall asthma	WIPI2	cg27298603	rs4478482	G	T	-0.376	0.049	0.058	2.79E-14	-0.033	0.021	0.110	0.015	57.845	TRUE	1.36E-13
Overall asthma	WNT4	cg00356045	rs2268177	T	A	0.216	0.031	0.180	2.80E-12	0.003	0.013	0.820	0.013	48.796	TRUE	4.64E-12
Overall asthma	WNT4	cg01781529	rs2235529	T	C	-0.206	0.032	0.163	7.14E-11	0.002	0.013	0.880	0.011	42.457	TRUE	1.06E-10
Overall asthma	WNT4	cg01781529	rs6673001	A	G	-0.561	0.087	0.017	1.16E-10	-0.020	0.036	0.570	0.011	41.510	TRUE	2.19E-10
Overall asthma	WNT4	cg02839875	rs12135916	G	A	0.164	0.028	0.239	5.08E-09	-0.035	0.011	0.002	0.009	34.141	TRUE	3.74E-08
Overall asthma	WNT4	cg02839875	rs2744718	T	C	-0.191	0.035	0.141	3.34E-08	-0.019	0.014	0.150	0.008	30.481	TRUE	8.42E-08
Overall asthma	WNT4	cg09938164	rs34745135	C	G	0.357	0.037	0.116	8.20E-22	-0.045	0.014	0.002	0.024	92.061	TRUE	3.46E-20
Overall asthma	WNT4	cg09938164	rs4655023	A	C	-0.318	0.044	0.077	3.58E-13	-0.022	0.018	0.210	0.014	52.831	TRUE	1.24E-12
Overall asthma	WNT4	cg09938164	rs58111733	T	G	0.241	0.040	0.105	1.55E-09	-0.016	0.016	0.310	0.010	36.454	TRUE	3.55E-09
Overall asthma	WNT4	cg10606730	rs143040561	T	G	1.058	0.104	0.011	3.37E-24	-0.037	0.043	0.380	0.027	102.936	TRUE	2.07E-23
Overall asthma	WNT4	cg12098183	rs56408422	T	C	-0.315	0.032	0.164	1.71E-22	-0.029	0.013	0.023	0.025	95.158	TRUE	3.24E-21
Overall asthma	WNT4	cg15582954	rs56318008	T	C	0.348	0.032	0.153	7.80E-27	0.009	0.013	0.530	0.030	114.955	TRUE	4.85E-26
Overall asthma	WNT4	cg15582954	rs7542242	T	C	-0.170	0.025	0.331	1.02E-11	0.022	0.010	0.029	0.012	46.260	TRUE	5.93E-11
Overall asthma	WNT4	cg17022577	rs10917123	A	G	0.158	0.028	0.223	2.19E-08	0.005	0.011	0.670	0.008	31.300	TRUE	3.43E-08
Overall asthma	WNT4	cg17022577	rs2744755	C	T	-0.147	0.025	0.357	3.75E-09	-0.012	0.010	0.240	0.009	34.733	TRUE	9.36E-09
Overall asthma	WNT4	cg17022577	rs2807356	T	C	-0.155	0.028	0.231	2.40E-08	0.001	0.011	0.900	0.008	31.123	TRUE	3.15E-08
Overall asthma	WNT4	cg17022577	rs56408422	T	C	-0.452	0.032	0.164	4.52E-44	-0.029	0.013	0.023	0.050	193.777	TRUE	1.13E-41
Overall asthma	WNT4	cg25011003	rs56318008	T	C	0.424	0.032	0.153	2.26E-39	0.009	0.013	0.530	0.044	172.268	TRUE	4.41E-38
Overall asthma	WNT4	cg25011003	rs7542242	T	C	-0.194	0.025	0.331	8.80E-15	0.022	0.010	0.029	0.016	60.116	TRUE	7.09E-14
Overall asthma	YWHAQ	cg06701500	rs73913149	T	C	0.524	0.052	0.054	6.32E-24	0.042	0.021	0.044	0.027	101.689	TRUE	1.12E-22
Overall asthma	YWHAQ	cg07489553	rs10803700	G	A	-0.161	0.024	0.413	7.70E-12	-0.013	0.010	0.190	0.012	46.814	TRUE	2.60E-11
Overall asthma	YWHAQ	cg07489553	rs4668626	G	A	0.528	0.023	0.412	7.22E-119	0.008	0.010	0.410	0.127	537.031	TRUE	1.00E-111
Overall asthma	YWHAQ	cg07489553	rs62119433	T	G	0.245	0.031	0.169	1.92E-15	0.010	0.013	0.430	0.017	63.116	TRUE	5.66E-15
Overall asthma	YWHAQ	cg10322879	rs11694314	T	C	-0.994	0.025	0.195	<1E-200	0.014	0.012	0.230	0.305	1619.891	TRUE	1.72E-307
Overall asthma	YWHAQ	cg10322879	rs13019008	G	A	0.283	0.023	0.485	2.75E-35	-0.015	0.010	0.110	0.040	153.578	TRUE	1.06E-33
Overall asthma	YWHAQ	cg10322879	rs13022460	G	T	0.215	0.027	0.244	1.18E-15	-0.008	0.011	0.500	0.017	64.074	TRUE	3.37E-15
Overall asthma	YWHAQ	cg10322879	rs2715860	C	G	-0.255	0.025	0.321	4.16E-24	0.024	0.010	0.017	0.027	102.518	TRUE	1.10E-22
Overall asthma	YWHAQ	cg10322879	rs55912883	C	G	-0.177	0.027	0.241	7.21E-11	0.011	0.011	0.330	0.011	42.439	TRUE	1.82E-10

Overall asthma	YWHAQ	cg10322879	rs6732745	T	C	-0.253	0.023	0.471	2.98E-27	-0.002	0.010	0.860	0.031	116.860	TRUE	1.17E-26
Overall asthma	YWHAQ	cg10322879	rs77607996	G	T	-1.087	0.104	0.032	1.12E-25	-0.035	0.025	0.160	0.029	109.684	TRUE	1.32E-24
Overall asthma	YWHAQ	cg15748006	rs1534043	T	C	-0.162	0.025	0.331	4.50E-11	0.001	0.010	0.900	0.012	43.360	TRUE	6.63E-11
Allergic asthma	AATF	cg02282317	rs62072263	A	G	0.257	0.023	0.486	3.58E-29	0.008	0.014	0.556	0.033	125.629	TRUE	3.98E-28
Allergic asthma	AATF	cg02282317	rs9893681	A	T	-0.312	0.052	0.088	1.79E-09	-0.036	0.024	0.130	0.010	36.172	TRUE	7.37E-09
Allergic asthma	AATF	cg03252536	rs57032547	A	G	0.700	0.105	0.020	2.30E-11	-0.009	0.063	0.887	0.012	44.676	TRUE	3.95E-11
Allergic asthma	AATF	cg06385152	rs9905721	G	A	-0.680	0.095	0.026	9.08E-13	-0.009	0.063	0.887	0.014	51.006	TRUE	1.69E-12
Allergic asthma	AATF	cg10760240	rs11658121	G	A	0.276	0.035	0.396	2.25E-15	-0.002	0.014	0.897	0.017	62.797	TRUE	4.87E-15
Allergic asthma	AATF	cg10760240	rs1266175	G	A	0.229	0.024	0.379	1.69E-21	-0.001	0.013	0.955	0.024	90.635	TRUE	5.10E-21
Allergic asthma	AATF	cg10760240	rs142385159	C	T	-1.099	0.074	0.027	8.98E-50	-0.028	0.035	0.426	0.056	219.896	TRUE	1.48E-47
Allergic asthma	AATF	cg10760240	rs150059290	A	G	-0.417	0.048	0.124	6.14E-18	-0.004	0.021	0.842	0.020	74.436	TRUE	1.68E-17
Allergic asthma	AATF	cg10760240	rs150505510	C	G	-0.800	0.101	0.014	2.05E-15	-0.034	0.044	0.435	0.017	62.983	TRUE	8.18E-15
Allergic asthma	AATF	cg10760240	rs1634332	G	A	0.256	0.025	0.286	3.18E-24	0.017	0.015	0.244	0.027	103.049	TRUE	4.40E-23
Allergic asthma	AATF	cg10760240	rs17622603	C	T	-0.498	0.047	0.062	2.65E-26	-0.021	0.023	0.359	0.030	112.531	TRUE	3.37E-25
Allergic asthma	AATF	cg10760240	rs3110647	A	G	-0.203	0.032	0.427	2.91E-10	0.014	0.014	0.297	0.011	39.711	TRUE	9.24E-10
Allergic asthma	AATF	cg10760240	rs72826148	T	A	-1.563	0.034	0.130	<1E-200	0.004	0.022	0.859	0.361	2085.833	TRUE	<1E-200
Allergic asthma	AATF	cg10760240	rs72828293	T	C	-1.004	0.141	0.015	1.11E-12	-0.026	0.052	0.621	0.013	50.616	TRUE	2.77E-12
Allergic asthma	AATF	cg10760240	rs9747659	A	G	0.303	0.031	0.463	2.82E-22	0.028	0.014	0.041	0.025	94.174	TRUE	8.54E-21
Allergic asthma	AATF	cg11262262	rs62072264	C	T	-0.141	0.023	0.482	1.61E-09	0.009	0.014	0.520	0.010	36.373	TRUE	3.59E-09
Allergic asthma	AATF	cg11262262	rs6607358	G	A	0.495	0.065	0.032	2.75E-14	-0.056	0.034	0.096	0.015	57.875	TRUE	2.19E-13
Allergic asthma	AATF	cg11262262	rs7216758	G	T	0.757	0.063	0.064	1.76E-33	-0.060	0.029	0.037	0.038	145.315	TRUE	2.45E-31
Allergic asthma	AATF	cg11262262	rs80173298	C	T	0.713	0.102	0.014	2.75E-12	-0.022	0.057	0.697	0.013	48.836	TRUE	6.11E-12
Allergic asthma	AATF	cg12996119	rs12453407	G	A	-0.199	0.023	0.470	7.92E-18	0.009	0.014	0.529	0.020	73.934	TRUE	3.34E-17
Allergic asthma	AATF	cg12996119	rs12936981	A	G	-0.421	0.068	0.052	6.48E-10	-0.029	0.029	0.319	0.010	38.151	TRUE	1.93E-09
Allergic asthma	AATF	cg12996119	rs142385159	C	T	0.430	0.075	0.027	1.01E-08	-0.028	0.035	0.426	0.009	32.802	TRUE	2.36E-08
Allergic asthma	AATF	cg12996119	rs17138899	C	A	-0.240	0.042	0.080	1.17E-08	0.008	0.020	0.693	0.009	32.514	TRUE	2.07E-08
Allergic asthma	AATF	cg12996119	rs62072263	A	G	0.474	0.023	0.486	1.56E-96	0.008	0.014	0.556	0.105	434.444	TRUE	4.43E-91
Allergic asthma	AATF	cg12996119	rs8076831	A	C	-0.184	0.032	0.438	8.80E-09	-0.029	0.014	0.032	0.009	33.073	TRUE	5.09E-08
Allergic asthma	AATF	cg12996119	rs9893060	A	G	-0.413	0.053	0.050	7.80E-15	0.020	0.035	0.573	0.016	60.351	TRUE	2.43E-14
Allergic asthma	AATF	cg14974722	rs9905721	G	A	-0.683	0.095	0.026	8.53E-13	-0.009	0.063	0.887	0.014	51.128	TRUE	1.59E-12
Allergic asthma	ABCA2	cg02663193	rs2271862	G	A	-0.221	0.025	0.314	2.12E-18	-0.007	0.014	0.641	0.020	76.533	TRUE	7.92E-18
Allergic asthma	ABCA2	cg13795883	rs13306	A	G	0.374	0.062	0.035	1.31E-09	0.021	0.039	0.586	0.010	36.778	TRUE	2.74E-09
Allergic asthma	ABCA2	cg13795883	rs7019538	T	C	0.145	0.024	0.476	8.61E-10	0.038	0.014	0.006	0.010	37.597	TRUE	8.97E-09
Allergic asthma	ABCA2	cg13795883	rs9411240	A	G	-0.269	0.027	0.250	5.95E-24	-0.011	0.015	0.490	0.027	101.807	TRUE	4.58E-23
Allergic asthma	ABCA2	cg13806966	rs12235989	C	A	0.192	0.024	0.364	3.53E-15	-0.036	0.014	0.010	0.016	61.912	TRUE	7.18E-14
Allergic asthma	ABCA2	cg13806966	rs12337910	G	A	0.311	0.043	0.086	2.80E-13	-0.061	0.025	0.017	0.014	53.318	TRUE	3.67E-12
Allergic asthma	ABCA2	cg14105458	rs12235989	C	A	0.150	0.024	0.364	7.49E-10	-0.036	0.014	0.010	0.010	37.868	TRUE	6.90E-09
Allergic asthma	ABCA2	cg14485901	rs4880190	T	G	-0.205	0.024	0.370	3.12E-17	-0.029	0.014	0.037	0.019	71.226	TRUE	5.27E-16
Allergic asthma	ABCA2	cg14633421	rs11145979	G	A	-0.185	0.025	0.343	5.69E-14	-0.013	0.014	0.360	0.015	56.445	TRUE	2.27E-13
Allergic asthma	ABCA2	cg14633421	rs117812702	C	T	-0.499	0.084	0.022	3.14E-09	-0.037	0.054	0.496	0.009	35.074	TRUE	7.04E-09
Allergic asthma	ABCA2	cg14633421	rs13285135	T	A	-1.133	0.043	0.076	1.74E-153	-0.060	0.026	0.021	0.158	696.108	TRUE	1.04E-139
Allergic asthma	ABCA2	cg14633421	rs28609008	C	T	0.153	0.027	0.259	1.26E-08	-0.021	0.015	0.147	0.009	32.376	TRUE	4.52E-08

Allergic asthma	ABCA2	cg14633421	rs45559439	T	C	-0.714	0.108	0.027	4.14E-11	0.036	0.045	0.428	0.012	43.524	TRUE	1.17E-10
Allergic asthma	ABCA2	cg14633421	rs9411249	T	G	-0.193	0.025	0.344	4.26E-15	-0.025	0.014	0.073	0.016	61.544	TRUE	4.19E-14
Allergic asthma	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	-0.027	0.016	0.094	0.009	33.777	TRUE	2.65E-08
Allergic asthma	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	-0.016	0.016	0.337	0.026	99.595	TRUE	1.83E-22
Allergic asthma	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	0.008	0.020	0.694	0.024	91.104	TRUE	5.92E-21
Allergic asthma	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	-0.013	0.015	0.390	0.023	85.706	TRUE	1.37E-19
Allergic asthma	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	0.015	0.015	0.335	0.096	394.415	TRUE	9.82E-83
Allergic asthma	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	-0.030	0.016	0.062	0.012	45.752	TRUE	9.12E-11
Allergic asthma	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	-0.011	0.018	0.560	0.024	91.003	TRUE	7.69E-21
Allergic asthma	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	-0.021	0.016	0.178	0.166	735.001	TRUE	2.55E-148
Allergic asthma	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	-0.029	0.028	0.293	0.021	80.430	TRUE	2.18E-18
Allergic asthma	ACSL1	cg01714284	rs11732302	C	T	0.552	0.081	0.022	1.22E-11	-0.046	0.051	0.364	0.012	45.921	TRUE	3.93E-11
Allergic asthma	ACSL1	cg01714284	rs13127985	C	T	0.255	0.024	0.390	8.92E-26	0.015	0.014	0.275	0.029	110.128	TRUE	1.33E-24
Allergic asthma	ACSL1	cg01714284	rs2696051	G	T	-0.214	0.029	0.212	9.70E-14	-0.020	0.016	0.208	0.015	55.398	TRUE	5.11E-13
Allergic asthma	ACSL1	cg01714284	rs34653881	C	G	-0.162	0.027	0.260	2.64E-09	-0.005	0.017	0.773	0.009	35.413	TRUE	4.50E-09
Allergic asthma	ACSL1	cg01714284	rs7686479	C	T	-0.660	0.034	0.141	7.75E-85	-0.017	0.022	0.443	0.093	380.740	TRUE	3.39E-80
Allergic asthma	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	-0.016	0.016	0.337	0.009	32.239	TRUE	3.48E-08
Allergic asthma	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	0.004	0.015	0.784	0.012	44.331	TRUE	5.21E-11
Allergic asthma	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	0.008	0.020	0.694	0.012	43.529	TRUE	8.53E-11
Allergic asthma	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	-0.017	0.022	0.440	0.019	72.679	TRUE	7.11E-17
Allergic asthma	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	-0.021	0.016	0.178	0.008	30.509	TRUE	1.06E-07
Allergic asthma	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	0.007	0.014	0.606	0.064	253.540	TRUE	1.12E-54
Allergic asthma	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	-0.003	0.014	0.811	0.011	42.716	TRUE	1.13E-10
Allergic asthma	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	-0.016	0.016	0.337	0.010	38.437	TRUE	1.63E-09
Allergic asthma	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	-0.010	0.014	0.471	0.012	44.293	TRUE	7.55E-11
Allergic asthma	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	-0.025	0.018	0.158	0.020	74.207	TRUE	6.44E-17
Allergic asthma	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	-0.015	0.014	0.265	0.014	53.493	TRUE	1.14E-12
Allergic asthma	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	-0.016	0.056	0.770	0.010	36.790	TRUE	2.27E-09
Allergic asthma	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	0.012	0.014	0.384	0.009	34.512	TRUE	1.06E-08
Allergic asthma	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	-0.017	0.026	0.510	0.011	42.884	TRUE	1.44E-10
Allergic asthma	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	-0.015	0.017	0.386	0.064	251.555	TRUE	5.45E-54
Allergic asthma	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	-0.025	0.018	0.151	0.016	59.617	TRUE	7.69E-14
Allergic asthma	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	-0.003	0.014	0.809	0.017	63.888	TRUE	3.16E-15
Allergic asthma	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	0.017	0.019	0.357	0.022	82.999	TRUE	5.45E-19
Allergic asthma	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	-0.016	0.016	0.337	0.009	34.235	TRUE	1.30E-08
Allergic asthma	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	-0.021	0.016	0.182	0.072	284.859	TRUE	2.22E-60
Allergic asthma	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	-0.003	0.014	0.811	0.014	51.736	TRUE	1.28E-12
Allergic asthma	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	-0.002	0.014	0.873	0.016	59.829	TRUE	2.17E-14
Allergic asthma	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	0.001	0.014	0.941	0.010	37.355	TRUE	1.46E-09
Allergic asthma	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	-0.034	0.015	0.026	0.008	31.397	TRUE	1.21E-07
Allergic asthma	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	-0.007	0.014	0.598	0.014	52.455	TRUE	1.15E-12
Allergic asthma	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	-0.039	0.020	0.050	0.008	29.901	TRUE	2.10E-07

Allergic asthma	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	-0.015	0.014	0.265	0.019	72.925	TRUE	8.88E-17
Allergic asthma	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	-0.009	0.014	0.552	0.012	43.708	TRUE	9.14E-11
Allergic asthma	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	0.007	0.018	0.691	0.016	58.274	TRUE	5.82E-14
Allergic asthma	ACSL1	cg27112742	rs67469410	T	A	-0.207	0.032	0.164	2.08E-10	-0.012	0.017	0.487	0.011	40.367	TRUE	5.16E-10
Allergic asthma	ACSL1	cg27112742	rs72689214	C	G	-0.233	0.031	0.179	2.45E-14	-0.008	0.018	0.678	0.015	58.099	TRUE	6.44E-14
Allergic asthma	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	-0.026	0.018	0.139	0.075	300.418	TRUE	2.12E-63
Allergic asthma	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	0.039	0.014	0.005	0.017	64.683	TRUE	2.34E-14
Allergic asthma	AIFM2	cg00352027	rs10999236	C	T	-0.301	0.048	0.061	4.52E-10	-0.017	0.028	0.535	0.010	38.854	TRUE	1.03E-09
Allergic asthma	AIFM2	cg00352027	rs7082396	A	C	-0.235	0.024	0.348	9.07E-22	0.029	0.014	0.036	0.024	91.859	TRUE	2.74E-20
Allergic asthma	AIFM2	cg01322555	rs10999150	A	G	0.668	0.033	0.415	3.15E-93	0.014	0.014	0.311	0.102	419.262	TRUE	1.25E-87
Allergic asthma	AIFM2	cg01322555	rs10999152	A	T	-0.239	0.032	0.161	1.24E-13	0.010	0.016	0.524	0.015	54.913	TRUE	3.77E-13
Allergic asthma	AIFM2	cg01322555	rs10999245	T	C	0.207	0.027	0.263	1.10E-14	0.013	0.014	0.374	0.016	59.678	TRUE	4.56E-14
Allergic asthma	AIFM2	cg01322555	rs6480431	G	A	0.163	0.030	0.185	4.82E-08	0.017	0.019	0.351	0.008	29.771	TRUE	1.16E-07
Allergic asthma	AIFM2	cg02100629	rs10999245	T	C	-0.365	0.027	0.263	1.52E-42	0.013	0.014	0.374	0.048	186.780	TRUE	1.16E-40
Allergic asthma	AIFM2	cg02100629	rs16927241	A	G	-0.151	0.026	0.287	4.98E-09	0.005	0.018	0.782	0.009	34.177	TRUE	8.28E-09
Allergic asthma	AIFM2	cg02100629	rs1904589	T	C	-0.210	0.023	0.450	3.46E-19	0.019	0.014	0.172	0.021	80.111	TRUE	3.53E-18
Allergic asthma	AIFM2	cg02100629	rs199902924	G	A	0.192	0.029	0.222	1.63E-11	-0.016	0.017	0.359	0.012	45.352	TRUE	5.24E-11
Allergic asthma	AIFM2	cg02100629	rs2394645	G	C	-0.722	0.023	0.393	6.30E-224	0.002	0.014	0.877	0.216	1019.943	TRUE	7.91E-203
Allergic asthma	AIFM2	cg02100629	rs35359681	A	G	-0.441	0.068	0.031	7.17E-11	0.039	0.040	0.331	0.011	42.449	TRUE	2.28E-10
Allergic asthma	AIFM2	cg02100629	rs3750779	T	C	-0.220	0.026	0.263	4.74E-17	-0.012	0.016	0.454	0.019	70.402	TRUE	2.11E-16
Allergic asthma	AIFM2	cg02100629	rs41277972	C	A	-0.451	0.071	0.028	1.73E-10	-0.006	0.066	0.928	0.011	40.723	TRUE	2.73E-10
Allergic asthma	AIFM2	cg02100629	rs4747009	C	T	-0.191	0.030	0.186	2.93E-10	-0.017	0.018	0.346	0.011	39.697	TRUE	8.64E-10
Allergic asthma	AIFM2	cg02100629	rs55742012	T	G	-0.210	0.035	0.126	2.89E-09	-0.001	0.020	0.969	0.009	35.236	TRUE	4.12E-09
Allergic asthma	AIFM2	cg02100629	rs6480431	G	A	-0.231	0.030	0.185	9.98E-15	0.017	0.019	0.351	0.016	59.868	TRUE	4.32E-14
Allergic asthma	AIFM2	cg02100629	rs884195	T	A	0.203	0.037	0.122	3.20E-08	0.016	0.022	0.454	0.008	30.565	TRUE	6.94E-08
Allergic asthma	AIFM2	cg02308884	rs2394643	T	C	-0.347	0.023	0.405	2.13E-50	0.012	0.013	0.388	0.057	222.761	TRUE	4.28E-48
Allergic asthma	AIFM2	cg02308884	rs75804426	A	T	-0.175	0.028	0.234	2.24E-10	0.019	0.014	0.188	0.011	40.221	TRUE	8.82E-10
Allergic asthma	AIFM2	cg03087610	rs2310991	A	C	-0.270	0.023	0.421	8.40E-32	0.014	0.013	0.295	0.036	137.642	TRUE	2.27E-30
Allergic asthma	AIFM2	cg04859918	rs10823504	A	G	-0.394	0.048	0.059	4.27E-16	-0.018	0.028	0.520	0.018	66.074	TRUE	1.58E-15
Allergic asthma	AIFM2	cg04859918	rs10999247	A	G	0.200	0.024	0.433	5.38E-17	-0.008	0.014	0.578	0.019	70.156	TRUE	1.97E-16
Allergic asthma	AIFM2	cg04859918	rs112800240	T	C	-0.292	0.051	0.052	7.44E-09	0.021	0.040	0.594	0.009	33.397	TRUE	1.46E-08
Allergic asthma	AIFM2	cg04859918	rs113487866	T	G	0.414	0.059	0.044	1.86E-12	-0.038	0.031	0.219	0.013	49.601	TRUE	8.41E-12
Allergic asthma	AIFM2	cg04859918	rs1904589	T	C	-0.162	0.023	0.450	5.12E-12	0.019	0.014	0.172	0.013	47.614	TRUE	2.48E-11
Allergic asthma	AIFM2	cg04859918	rs2310991	A	C	-0.441	0.023	0.421	5.33E-82	0.014	0.013	0.295	0.090	367.714	TRUE	2.55E-77
Allergic asthma	AIFM2	cg04859918	rs2894110	C	T	-0.357	0.039	0.100	3.77E-20	0.013	0.022	0.555	0.022	84.491	TRUE	1.85E-19
Allergic asthma	AIFM2	cg13216961	rs10999151	A	G	-0.182	0.024	0.397	1.74E-14	0.015	0.014	0.292	0.016	58.771	TRUE	8.24E-14
Allergic asthma	AIFM2	cg15779600	rs1043884	C	A	-0.164	0.026	0.277	2.63E-10	0.003	0.014	0.840	0.011	39.910	TRUE	4.46E-10
Allergic asthma	AIFM2	cg15779600	rs10762357	C	T	0.176	0.024	0.419	1.09E-13	-0.019	0.014	0.184	0.015	55.169	TRUE	6.08E-13
Allergic asthma	AIFM2	cg15779600	rs15801	T	C	-0.439	0.023	0.404	1.37E-80	0.012	0.013	0.388	0.089	361.236	TRUE	3.38E-76
Allergic asthma	AIFM2	cg17446739	rs10823504	A	G	-0.327	0.049	0.059	1.77E-11	-0.018	0.028	0.520	0.012	45.181	TRUE	4.58E-11
Allergic asthma	AIFM2	cg17446739	rs4747009	C	T	-0.166	0.030	0.186	4.61E-08	-0.017	0.018	0.346	0.008	29.857	TRUE	1.12E-07
Allergic asthma	AIFM2	cg17446739	rs6480442	T	C	-0.596	0.023	0.379	7.38E-149	0.019	0.014	0.166	0.154	674.836	TRUE	7.18E-137

Allergic asthma	AIFM2	cg17446739	rs7074416	G	A	-0.147	0.023	0.450	3.69E-10	0.019	0.014	0.169	0.010	39.251	TRUE	1.48E-09
Allergic asthma	AIFM2	cg18061319	rs10999251	C	T	0.154	0.024	0.345	2.79E-10	-0.002	0.015	0.894	0.011	39.792	TRUE	4.49E-10
Allergic asthma	AIFM2	cg18061319	rs12354675	T	C	-0.264	0.028	0.232	4.36E-21	0.008	0.014	0.576	0.023	88.754	TRUE	2.24E-20
Allergic asthma	AIFM2	cg18061319	rs15801	T	C	-0.593	0.023	0.404	1.27E-151	0.012	0.013	0.388	0.157	687.549	TRUE	5.79E-140
Allergic asthma	AIFM2	cg18061319	rs1904589	T	C	-0.197	0.023	0.450	3.99E-17	0.019	0.014	0.172	0.019	70.745	TRUE	3.28E-16
Allergic asthma	AIFM2	cg18061319	rs3750779	T	C	-0.171	0.026	0.263	6.12E-11	-0.012	0.016	0.454	0.011	42.760	TRUE	1.65E-10
Allergic asthma	AIFM2	cg18061319	rs58667031	T	C	0.320	0.057	0.047	2.52E-08	-0.047	0.030	0.118	0.008	31.026	TRUE	9.42E-08
Allergic asthma	AIFM2	cg18061319	rs7077793	T	C	0.280	0.044	0.077	2.57E-10	-0.026	0.028	0.347	0.011	39.954	TRUE	7.60E-10
Allergic asthma	AIFM2	cg18061319	rs7897538	A	C	-0.197	0.033	0.147	2.42E-09	0.007	0.020	0.741	0.010	35.579	TRUE	4.27E-09
Allergic asthma	AIFM2	cg18204930	rs10999152	A	T	0.187	0.032	0.161	6.05E-09	0.010	0.016	0.524	0.009	33.800	TRUE	1.29E-08
Allergic asthma	AIFM2	cg18204930	rs6480442	T	C	-0.172	0.024	0.379	4.69E-13	0.019	0.014	0.166	0.014	52.304	TRUE	2.57E-12
Allergic asthma	AIFM2	cg18204930	rs7921649	T	G	0.476	0.035	0.124	1.76E-42	0.023	0.018	0.208	0.048	186.497	TRUE	2.37E-40
Allergic asthma	AIFM2	cg18204930	rs868075	A	G	0.197	0.034	0.139	1.01E-08	0.033	0.021	0.119	0.009	32.806	TRUE	3.94E-08
Allergic asthma	AIFM2	cg20241658	rs10999231	T	C	-0.161	0.025	0.309	2.03E-10	0.004	0.014	0.793	0.011	40.412	TRUE	3.63E-10
Allergic asthma	AIFM2	cg20241658	rs112758586	A	C	0.342	0.057	0.048	2.56E-09	-0.044	0.030	0.140	0.009	35.472	TRUE	1.01E-08
Allergic asthma	AIFM2	cg20241658	rs2310991	A	C	-0.485	0.023	0.421	3.91E-100	0.014	0.013	0.295	0.109	450.976	TRUE	7.16E-94
Allergic asthma	AIFM2	cg20241658	rs7897538	A	C	-0.185	0.033	0.147	2.19E-08	0.007	0.020	0.741	0.008	31.305	TRUE	3.63E-08
Allergic asthma	AIFM2	cg25502086	rs10762357	C	T	0.174	0.024	0.419	2.53E-13	-0.019	0.014	0.184	0.014	53.518	TRUE	1.36E-12
Allergic asthma	AIFM2	cg25502086	rs10762363	A	C	-0.240	0.024	0.396	6.00E-24	0.003	0.014	0.816	0.027	101.792	TRUE	2.68E-23
Allergic asthma	AIFM2	cg25502086	rs10823504	A	G	-0.292	0.049	0.059	1.93E-09	-0.018	0.028	0.520	0.010	36.022	TRUE	4.28E-09
Allergic asthma	AIFM2	cg25502086	rs10999318	C	A	0.183	0.023	0.492	5.09E-15	-0.022	0.013	0.101	0.016	61.193	TRUE	4.32E-14
Allergic asthma	AIFM2	cg25502086	rs28391623	A	G	-0.635	0.022	0.403	1.58E-175	0.012	0.013	0.389	0.177	797.420	TRUE	1.02E-160
Allergic asthma	AIFM2	cg25502086	rs34931480	T	C	-0.179	0.027	0.237	6.98E-11	-0.015	0.017	0.372	0.011	42.503	TRUE	2.09E-10
Allergic asthma	AIFM2	cg25502086	rs4747009	C	T	-0.197	0.030	0.186	8.87E-11	-0.017	0.018	0.346	0.011	42.033	TRUE	2.73E-10
Allergic asthma	AIFM2	cg25502086	rs6480451	A	G	0.269	0.045	0.075	2.63E-09	-0.028	0.028	0.319	0.009	35.418	TRUE	7.41E-09
Allergic asthma	AIFM2	cg25502086	rs7897538	A	C	-0.200	0.033	0.147	1.31E-09	0.007	0.020	0.741	0.010	36.779	TRUE	2.34E-09
Allergic asthma	AIFM2	cg26699283	rs10999245	T	C	-0.339	0.027	0.263	8.75E-37	0.013	0.014	0.374	0.042	160.425	TRUE	3.33E-35
Allergic asthma	AIFM2	cg26699283	rs12253314	T	A	0.178	0.025	0.340	3.66E-13	-0.001	0.015	0.933	0.014	52.787	TRUE	6.65E-13
Allergic asthma	AIFM2	cg26699283	rs3750779	T	C	-0.190	0.026	0.263	4.16E-13	-0.012	0.016	0.454	0.014	52.537	TRUE	1.33E-12
Allergic asthma	AIFM2	cg26699283	rs4746965	C	T	-0.643	0.023	0.391	1.46E-173	0.003	0.014	0.835	0.176	788.382	TRUE	6.28E-160
Allergic asthma	AIFM2	cg26699283	rs4747009	C	T	-0.186	0.030	0.186	8.58E-10	-0.017	0.018	0.346	0.010	37.604	TRUE	2.43E-09
Allergic asthma	AIFM2	cg26699283	rs6480431	G	A	-0.173	0.030	0.185	7.55E-09	0.017	0.019	0.351	0.009	33.370	TRUE	1.95E-08
Allergic asthma	AIFM2	cg26699283	rs7074416	G	A	-0.189	0.023	0.450	7.74E-16	0.019	0.014	0.169	0.017	64.899	TRUE	5.62E-15
Allergic asthma	AIFM2	cg26699283	rs71480649	T	C	-0.439	0.064	0.034	8.02E-12	0.071	0.035	0.045	0.012	46.736	TRUE	6.32E-11
Allergic asthma	AIFM2	cg26699283	rs7897538	A	C	-0.185	0.033	0.147	2.33E-08	0.007	0.020	0.741	0.008	31.181	TRUE	3.86E-08
Allergic asthma	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	-0.009	0.015	0.547	0.012	43.544	TRUE	9.97E-11
Allergic asthma	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	-0.005	0.026	0.859	0.041	156.423	TRUE	7.96E-35
Allergic asthma	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	0.036	0.023	0.114	0.031	119.299	TRUE	2.99E-26
Allergic asthma	AKT1	cg01921845	rs2494733	G	C	-0.756	0.023	0.321	6.44E-232	-0.016	0.014	0.253	0.222	1056.685	TRUE	6.37E-208
Allergic asthma	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	0.016	0.023	0.495	0.012	43.327	TRUE	1.18E-10
Allergic asthma	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	0.010	0.017	0.567	0.037	141.017	TRUE	2.34E-31
Allergic asthma	AKT1	cg02072813	rs45490496	A	T	0.144	0.024	0.400	3.21E-09	0.004	0.014	0.788	0.009	35.034	TRUE	5.36E-09

Allergic asthma	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	-0.038	0.018	0.030	0.016	58.597	TRUE	2.41E-13
Allergic asthma	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	0.014	0.037	0.700	0.010	38.610	TRUE	9.79E-10
Allergic asthma	AKT1	cg02884928	rs117082627	A	G	-0.793	0.119	0.011	3.21E-11	-0.133	0.158	0.401	0.012	44.020	TRUE	9.49E-11
Allergic asthma	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	-0.007	0.053	0.889	0.019	70.217	TRUE	1.26E-16
Allergic asthma	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	0.032	0.026	0.226	0.152	661.492	TRUE	1.51E-134
Allergic asthma	AKT1	cg02884928	rs3001410	T	C	-0.206	0.030	0.205	4.76E-12	0.020	0.015	0.189	0.013	47.756	TRUE	2.22E-11
Allergic asthma	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	-0.008	0.015	0.607	0.070	276.632	TRUE	2.13E-59
Allergic asthma	AKT1	cg04820159	rs2494742	C	G	-0.432	0.044	0.076	4.43E-23	0.026	0.026	0.309	0.026	97.834	TRUE	4.59E-22
Allergic asthma	AKT1	cg04820159	rs36214921	C	G	0.272	0.026	0.300	4.70E-26	-0.011	0.015	0.460	0.029	111.396	TRUE	4.68E-25
Allergic asthma	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	-0.012	0.015	0.440	0.023	88.465	TRUE	3.26E-20
Allergic asthma	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	0.002	0.014	0.870	0.012	45.134	TRUE	3.20E-11
Allergic asthma	AKT1	cg12100463	rs61758556	T	A	-0.246	0.036	0.142	8.26E-12	-0.034	0.018	0.055	0.012	46.677	TRUE	6.10E-11
Allergic asthma	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	0.047	0.022	0.036	0.010	36.908	TRUE	7.76E-09
Allergic asthma	AKT1	cg12789068	rs118174518	C	G	-2.123	0.108	0.012	2.02E-86	-0.061	0.119	0.610	0.095	388.011	TRUE	6.62E-82
Allergic asthma	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	-0.021	0.022	0.344	0.009	33.914	TRUE	1.51E-08
Allergic asthma	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	0.024	0.015	0.120	0.008	31.381	TRUE	7.89E-08
Allergic asthma	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	-0.024	0.022	0.274	0.015	57.467	TRUE	1.61E-13
Allergic asthma	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	-0.002	0.020	0.919	0.013	48.421	TRUE	5.92E-12
Allergic asthma	AKT1	cg13986355	rs2498786	C	G	0.147	0.024	0.392	1.13E-09	0.001	0.014	0.941	0.010	37.063	TRUE	1.69E-09
Allergic asthma	AKT1	cg14184729	rs35455320	G	C	-0.216	0.036	0.117	1.90E-09	-0.011	0.021	0.612	0.010	36.055	TRUE	3.82E-09
Allergic asthma	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	-0.010	0.014	0.486	0.046	176.802	TRUE	9.93E-39
Allergic asthma	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	0.014	0.037	0.700	0.009	34.600	TRUE	7.24E-09
Allergic asthma	AKT1	cg14274357	rs117082627	A	G	-0.809	0.119	0.011	1.30E-11	-0.133	0.158	0.401	0.012	45.786	TRUE	3.98E-11
Allergic asthma	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	-0.007	0.053	0.889	0.022	81.931	TRUE	3.99E-19
Allergic asthma	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	0.031	0.026	0.233	0.172	768.220	TRUE	8.78E-155
Allergic asthma	AKT1	cg14274357	rs3001410	T	C	-0.195	0.030	0.205	6.09E-11	0.020	0.015	0.189	0.011	42.770	TRUE	2.53E-10
Allergic asthma	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.023	0.020	0.248	0.008	30.293	TRUE	1.04E-07
Allergic asthma	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	-0.008	0.015	0.607	0.072	285.448	TRUE	3.40E-61
Allergic asthma	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	-0.025	0.016	0.111	0.011	41.425	TRUE	6.04E-10
Allergic asthma	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	0.002	0.014	0.884	0.101	413.893	TRUE	1.91E-87
Allergic asthma	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	0.010	0.017	0.567	0.008	30.375	TRUE	6.79E-08
Allergic asthma	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	-0.016	0.014	0.240	0.014	52.272	TRUE	2.19E-12
Allergic asthma	AKT1	cg18426060	rs45490496	A	T	-0.392	0.024	0.400	9.67E-61	0.004	0.014	0.788	0.068	270.173	TRUE	2.77E-58
Allergic asthma	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	0.002	0.014	0.884	0.016	61.080	TRUE	1.16E-14
Allergic asthma	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	0.010	0.017	0.567	0.021	80.776	TRUE	1.11E-18
Allergic asthma	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	-0.008	0.018	0.653	0.020	75.339	TRUE	1.40E-17
Allergic asthma	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	-0.037	0.017	0.031	0.118	494.977	TRUE	2.69E-101
Allergic asthma	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	-0.008	0.015	0.564	0.010	37.335	TRUE	2.12E-09
Allergic asthma	AKT1	cg23176538	rs3803304	G	C	0.517	0.026	0.254	4.32E-87	-0.024	0.015	0.107	0.096	391.088	TRUE	1.97E-81
Allergic asthma	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	0.001	0.014	0.926	0.015	55.388	TRUE	1.84E-13
Allergic asthma	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	-0.012	0.021	0.547	0.012	44.314	TRUE	6.81E-11
Allergic asthma	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	-0.023	0.021	0.268	0.010	35.929	TRUE	6.24E-09

Allergic asthma	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	0.014	0.014	0.309	0.050	194.325	TRUE	3.94E-42
Allergic asthma	AKT1	cg26023960	rs71421880	A	T	-0.776	0.036	0.106	5.60E-105	-0.019	0.021	0.369	0.113	473.227	TRUE	2.03E-98
Allergic asthma	AKT1	cg26099837	rs45490496	A	T	0.139	0.024	0.400	5.85E-09	0.004	0.014	0.788	0.009	33.867	TRUE	9.63E-09
Allergic asthma	ALDH16A1	cg15388895	rs12975598	A	G	0.230	0.023	0.413	1.01E-22	-0.025	0.014	0.071	0.025	96.209	TRUE	2.48E-21
Allergic asthma	ALOX15	cg03972219	rs11078528	A	G	0.290	0.026	0.283	1.14E-29	-0.024	0.014	0.093	0.033	127.906	TRUE	5.59E-28
Allergic asthma	ALOX15	cg03972219	rs371029929	C	A	-0.287	0.027	0.254	2.37E-26	-0.017	0.018	0.325	0.030	112.755	TRUE	3.28E-25
Allergic asthma	ALOX15	cg05715138	rs34230287	T	C	0.184	0.028	0.240	3.93E-11	-0.007	0.017	0.703	0.012	43.627	TRUE	8.05E-11
Allergic asthma	ALOX15	cg11334406	rs9905711	G	A	-0.182	0.027	0.259	1.57E-11	-0.013	0.018	0.458	0.012	45.424	TRUE	4.40E-11
Allergic asthma	ALOX15	cg22249932	rs11078528	A	G	0.194	0.026	0.283	6.32E-14	-0.024	0.014	0.093	0.015	56.238	TRUE	4.92E-13
Allergic asthma	ALOX15	cg22280258	rs11568061	A	G	0.155	0.028	0.245	1.72E-08	-0.018	0.018	0.301	0.009	31.772	TRUE	4.61E-08
Allergic asthma	ALOX15	cg22280258	rs2664592	G	C	-0.229	0.038	0.230	1.37E-09	0.017	0.017	0.317	0.010	36.686	TRUE	3.98E-09
Allergic asthma	ALOX15	cg22280258	rs9890673	A	G	-0.398	0.059	0.043	1.86E-11	0.083	0.035	0.018	0.012	45.086	TRUE	1.85E-10
Allergic asthma	ARSB	cg01026730	rs10040592	G	A	0.473	0.041	0.088	2.63E-30	-0.013	0.028	0.645	0.034	130.807	TRUE	2.76E-29
Allergic asthma	ARSB	cg01026730	rs11747224	T	C	0.313	0.056	0.094	2.71E-08	0.013	0.036	0.712	0.008	30.886	TRUE	4.59E-08
Allergic asthma	ARSB	cg01026730	rs12187584	C	A	-0.294	0.024	0.442	1.07E-35	0.002	0.013	0.901	0.040	155.442	TRUE	1.18E-34
Allergic asthma	ARSB	cg01026730	rs12655680	G	A	-0.233	0.024	0.464	1.18E-22	0.025	0.014	0.069	0.025	95.897	TRUE	2.92E-21
Allergic asthma	ARSB	cg01026730	rs163216	A	G	-0.763	0.021	0.446	1.18E-301	-0.012	0.014	0.382	0.271	1377.400	TRUE	6.38E-265
Allergic asthma	ARSB	cg01026730	rs337847	G	A	0.348	0.041	0.085	9.33E-18	0.028	0.028	0.306	0.020	73.609	TRUE	5.81E-17
Allergic asthma	ARSB	cg01026730	rs612855	A	G	0.175	0.025	0.339	1.70E-12	0.021	0.014	0.153	0.013	49.774	TRUE	9.14E-12
Allergic asthma	ARSB	cg01026730	rs62377898	A	G	-0.240	0.030	0.178	1.48E-15	-0.041	0.020	0.042	0.017	63.627	TRUE	1.91E-14
Allergic asthma	ARSB	cg01026730	rs72762973	C	T	0.456	0.048	0.069	3.27E-21	0.009	0.022	0.697	0.024	89.326	TRUE	1.40E-20
Allergic asthma	ARSB	cg01026730	rs75706611	C	G	0.335	0.053	0.052	2.37E-10	-0.040	0.042	0.348	0.011	40.117	TRUE	7.00E-10
Allergic asthma	ARSB	cg01026730	rs76684389	T	C	0.334	0.047	0.065	1.50E-12	-0.001	0.027	0.976	0.013	50.022	TRUE	2.51E-12
Allergic asthma	ARSB	cg01026730	rs80162951	T	C	-0.517	0.062	0.041	5.89E-17	-0.052	0.026	0.043	0.019	69.975	TRUE	9.04E-16
Allergic asthma	ARSB	cg04677158	rs10462560	C	G	-0.320	0.024	0.370	3.65E-41	-0.007	0.015	0.634	0.047	180.466	TRUE	1.22E-39
Allergic asthma	ARSB	cg04677158	rs10514108	T	C	0.225	0.038	0.111	2.68E-09	0.010	0.021	0.624	0.009	35.385	TRUE	5.26E-09
Allergic asthma	ARSB	cg04677158	rs11741305	A	G	0.177	0.029	0.212	1.12E-09	0.009	0.015	0.565	0.010	37.089	TRUE	2.40E-09
Allergic asthma	ARSB	cg04677158	rs13190257	T	C	0.161	0.027	0.279	1.25E-09	0.028	0.015	0.066	0.010	36.871	TRUE	6.59E-09
Allergic asthma	ARSB	cg04677158	rs1402684	T	G	0.407	0.026	0.276	3.69E-55	0.009	0.015	0.543	0.062	244.581	TRUE	9.09E-53
Allergic asthma	ARSB	cg04677158	rs16876619	T	C	0.166	0.025	0.313	2.10E-11	0.000	0.015	0.979	0.012	44.852	TRUE	3.30E-11
Allergic asthma	ARSB	cg04677158	rs3733890	A	G	-0.425	0.025	0.307	1.14E-63	-0.018	0.016	0.242	0.071	283.611	TRUE	2.89E-60
Allergic asthma	ARSB	cg04677158	rs4279321	G	A	0.248	0.039	0.093	2.45E-10	-0.011	0.020	0.563	0.011	40.048	TRUE	5.53E-10
Allergic asthma	ARSB	cg04677158	rs4571454	T	C	-0.180	0.025	0.319	5.65E-13	-0.012	0.016	0.429	0.014	51.938	TRUE	1.86E-12
Allergic asthma	ARSB	cg04677158	rs485142	G	A	-0.356	0.023	0.431	5.44E-52	-0.002	0.014	0.872	0.059	230.057	TRUE	3.94E-50
Allergic asthma	ARSB	cg04677158	rs532442795	G	C	-0.717	0.112	0.011	1.26E-10	-0.156	0.070	0.027	0.011	41.354	TRUE	9.90E-10
Allergic asthma	ARSB	cg04677158	rs62377897	T	C	-1.029	0.026	0.175	<1E-200	-0.036	0.020	0.067	0.303	1609.549	TRUE	1.55E-302
Allergic asthma	ARSB	cg04677158	rs72762996	T	C	0.343	0.041	0.096	2.48E-17	0.015	0.020	0.434	0.019	71.683	TRUE	1.17E-16
Allergic asthma	ARSB	cg04677158	rs9637824	G	A	-0.296	0.024	0.364	1.21E-34	0.007	0.014	0.602	0.039	150.641	TRUE	2.12E-33
Allergic asthma	ARSB	cg07379703	rs1717570	G	A	0.139	0.024	0.419	5.16E-09	0.024	0.014	0.078	0.009	34.110	TRUE	2.39E-08
Allergic asthma	ARSB	cg08393937	rs10474577	A	G	0.387	0.025	0.308	6.43E-53	-0.019	0.016	0.216	0.060	234.309	TRUE	3.56E-50
Allergic asthma	ARSB	cg08393937	rs112001390	G	A	0.489	0.086	0.036	1.46E-08	0.001	0.038	0.982	0.009	32.086	TRUE	1.99E-08
Allergic asthma	ARSB	cg08393937	rs12187584	C	A	-0.206	0.024	0.442	4.01E-18	0.002	0.013	0.901	0.020	75.278	TRUE	1.03E-17

Allergic asthma	ARSB	cg08393937	rs1402684	T	G	-0.439	0.026	0.276	2.61E-64	0.009	0.015	0.543	0.072	286.539	TRUE	2.45E-61
Allergic asthma	ARSB	cg08393937	rs16876619	T	C	-0.172	0.025	0.313	4.47E-12	0.000	0.015	0.979	0.013	47.882	TRUE	7.27E-12
Allergic asthma	ARSB	cg08393937	rs2445887	A	G	0.302	0.024	0.442	2.65E-37	-0.035	0.014	0.011	0.042	162.799	TRUE	1.21E-34
Allergic asthma	ARSB	cg08393937	rs2547906	G	A	0.397	0.023	0.421	1.08E-64	-0.003	0.014	0.827	0.072	288.306	TRUE	4.96E-62
Allergic asthma	ARSB	cg08393937	rs28376183	C	T	-0.268	0.024	0.464	1.50E-29	0.025	0.014	0.066	0.033	127.356	TRUE	8.92E-28
Allergic asthma	ARSB	cg08393937	rs336520	T	C	-0.300	0.038	0.108	3.13E-15	-0.039	0.025	0.118	0.017	62.149	TRUE	2.54E-14
Allergic asthma	ARSB	cg08393937	rs3857405	A	G	0.292	0.033	0.348	1.82E-18	-0.022	0.015	0.140	0.020	76.831	TRUE	1.93E-17
Allergic asthma	ARSB	cg08393937	rs4279321	G	A	-0.292	0.039	0.093	8.99E-14	-0.011	0.020	0.563	0.015	55.547	TRUE	2.62E-13
Allergic asthma	ARSB	cg08393937	rs532442795	G	C	0.727	0.111	0.011	6.90E-11	-0.156	0.070	0.027	0.011	42.526	TRUE	5.63E-10
Allergic asthma	ARSB	cg08393937	rs62377937	G	A	0.831	0.051	0.049	1.81E-59	-0.016	0.034	0.643	0.067	264.334	TRUE	6.28E-57
Allergic asthma	ARSB	cg08393937	rs72762996	T	C	-0.318	0.041	0.096	4.80E-15	0.015	0.020	0.434	0.016	61.309	TRUE	1.86E-14
Allergic asthma	ARSB	cg08393937	rs74772620	T	C	1.087	0.026	0.176	<1E-200	-0.060	0.020	0.002	0.329	1812.107	TRUE	<1E-200
Allergic asthma	ARSB	cg10864794	rs11747224	T	C	0.365	0.056	0.094	8.77E-11	0.013	0.036	0.712	0.011	42.055	TRUE	1.74E-10
Allergic asthma	ARSB	cg10864794	rs13154740	C	T	0.301	0.026	0.280	1.79E-30	0.017	0.014	0.223	0.034	131.576	TRUE	5.24E-29
Allergic asthma	ARSB	cg10864794	rs1402684	T	G	0.149	0.026	0.276	1.55E-08	0.009	0.015	0.543	0.009	31.975	TRUE	3.13E-08
Allergic asthma	ARSB	cg10864794	rs17221292	A	G	0.592	0.098	0.014	1.54E-09	0.116	0.048	0.015	0.010	36.463	TRUE	1.22E-08
Allergic asthma	ARSB	cg10864794	rs56307340	A	G	-0.684	0.030	0.166	8.49E-113	-0.051	0.020	0.012	0.121	509.143	TRUE	1.14E-103
Allergic asthma	ARSB	cg10864794	rs62377935	A	T	-0.207	0.029	0.193	1.53E-12	0.000	0.017	0.986	0.013	49.985	TRUE	2.53E-12
Allergic asthma	ARSB	cg10864794	rs9632424	C	T	0.262	0.032	0.177	1.46E-16	0.002	0.018	0.889	0.018	68.188	TRUE	3.44E-16
Allergic asthma	ARSB	cg11541897	rs10462560	C	G	0.200	0.024	0.370	9.50E-17	-0.007	0.015	0.634	0.018	69.032	TRUE	3.16E-16
Allergic asthma	ARSB	cg11541897	rs10474577	A	G	0.255	0.026	0.308	1.64E-23	-0.019	0.016	0.216	0.026	99.797	TRUE	2.30E-22
Allergic asthma	ARSB	cg11541897	rs11746854	G	A	-0.178	0.029	0.204	1.15E-09	0.009	0.015	0.565	0.010	37.037	TRUE	2.46E-09
Allergic asthma	ARSB	cg11541897	rs1402684	T	G	-0.197	0.026	0.276	6.62E-14	0.009	0.015	0.543	0.015	56.148	TRUE	2.00E-13
Allergic asthma	ARSB	cg11541897	rs163126	T	C	0.732	0.029	0.179	7.64E-140	-0.035	0.021	0.086	0.146	633.409	TRUE	1.50E-128
Allergic asthma	ARSB	cg11541897	rs337871	C	T	0.234	0.024	0.431	3.71E-23	-0.003	0.014	0.810	0.026	98.185	TRUE	1.57E-22
Allergic asthma	ARSB	cg11541897	rs569634929	C	T	0.223	0.024	0.378	3.15E-20	-0.047	0.016	0.003	0.022	84.846	TRUE	2.01E-18
Allergic asthma	ARSB	cg11541897	rs72762996	T	C	-0.254	0.041	0.096	3.74E-10	0.015	0.020	0.434	0.010	39.225	TRUE	9.68E-10
Allergic asthma	ARSB	cg11541897	rs9637824	G	A	0.269	0.024	0.364	8.89E-29	0.007	0.014	0.602	0.032	123.826	TRUE	8.71E-28
Allergic asthma	ARSB	cg11837534	rs337853	G	A	0.159	0.023	0.398	1.00E-11	-0.020	0.015	0.174	0.012	46.300	TRUE	4.68E-11
Allergic asthma	ARSB	cg13121490	rs4512118	C	G	0.168	0.031	0.177	4.47E-08	0.017	0.017	0.313	0.008	29.917	TRUE	1.14E-07
Allergic asthma	ARSB	cg15712777	rs10042060	C	T	-0.152	0.025	0.342	1.60E-09	0.003	0.014	0.857	0.010	36.383	TRUE	2.56E-09
Allergic asthma	ARSB	cg15712777	rs113601316	T	G	0.289	0.031	0.168	1.17E-20	-0.056	0.020	0.006	0.023	86.813	TRUE	6.27E-19
Allergic asthma	ARSB	cg15712777	rs478651	T	C	0.130	0.024	0.470	3.61E-08	-0.013	0.014	0.330	0.008	30.332	TRUE	9.03E-08
Allergic asthma	ARSB	cg17845680	rs10462560	C	G	0.215	0.024	0.370	3.64E-19	-0.007	0.015	0.634	0.021	80.014	TRUE	1.46E-18
Allergic asthma	ARSB	cg17845680	rs1402684	T	G	-0.201	0.026	0.276	1.97E-14	0.009	0.015	0.543	0.016	58.527	TRUE	6.21E-14
Allergic asthma	ARSB	cg17845680	rs163126	T	C	0.779	0.029	0.179	4.59E-161	-0.035	0.021	0.086	0.165	730.940	TRUE	4.58E-147
Allergic asthma	ARSB	cg17845680	rs337871	C	T	0.229	0.024	0.431	4.29E-22	-0.003	0.014	0.810	0.025	93.340	TRUE	1.67E-21
Allergic asthma	ARSB	cg17845680	rs3733890	A	G	0.281	0.025	0.307	2.64E-28	-0.018	0.016	0.242	0.032	121.665	TRUE	5.70E-27
Allergic asthma	ARSB	cg17845680	rs532442795	G	C	0.614	0.112	0.011	3.64E-08	-0.156	0.070	0.027	0.008	30.316	TRUE	2.02E-07
Allergic asthma	ARSB	cg17845680	rs569634929	C	T	0.234	0.024	0.378	3.82E-22	-0.047	0.016	0.003	0.025	93.573	TRUE	3.26E-20
Allergic asthma	ARSB	cg17845680	rs604315	T	G	0.254	0.024	0.352	2.21E-25	0.004	0.014	0.791	0.028	108.333	TRUE	1.15E-24
Allergic asthma	ARSB	cg17845680	rs67523903	C	T	-0.163	0.029	0.203	2.75E-08	0.015	0.016	0.336	0.008	30.860	TRUE	6.89E-08

Allergic asthma	ARSB	cg17845680	rs72762996	T	C	-0.238	0.041	0.096	4.29E-09	0.015	0.020	0.434	0.009	34.470	TRUE	1.02E-08
Allergic asthma	ARSB	cg23392359	rs117840267	C	G	-0.996	0.180	0.011	3.41E-08	-0.004	0.035	0.919	0.008	30.440	TRUE	4.81E-08
Allergic asthma	ARSB	cg23392359	rs4235713	T	C	-0.129	0.023	0.410	3.35E-08	0.000	0.013	0.987	0.008	30.476	TRUE	4.46E-08
Allergic asthma	ARSB	cg23392359	rs6878926	A	G	-0.433	0.070	0.029	6.42E-10	-0.004	0.091	0.961	0.010	38.170	TRUE	9.50E-10
Allergic asthma	ARSB	cg23392359	rs7701438	T	G	-1.112	0.065	0.034	4.64E-65	-0.038	0.036	0.286	0.073	289.983	TRUE	1.21E-61
Allergic asthma	ARSB	cg24166916	rs113263870	C	A	-0.185	0.029	0.199	2.50E-10	0.015	0.016	0.320	0.011	40.007	TRUE	7.71E-10
Allergic asthma	ARSB	cg24166916	rs12187584	C	A	-0.262	0.024	0.442	1.47E-28	0.002	0.013	0.901	0.032	122.826	TRUE	8.43E-28
Allergic asthma	ARSB	cg24166916	rs163128	T	C	-0.221	0.037	0.114	2.47E-09	-0.035	0.024	0.145	0.010	35.545	TRUE	9.62E-09
Allergic asthma	ARSB	cg24166916	rs181622116	A	G	0.214	0.037	0.112	8.61E-09	-0.021	0.022	0.342	0.009	33.113	TRUE	2.24E-08
Allergic asthma	ARSB	cg24166916	rs1840804	C	T	0.190	0.025	0.319	2.98E-14	-0.012	0.016	0.447	0.015	57.715	TRUE	1.06E-13
Allergic asthma	ARSB	cg24166916	rs2445887	A	G	0.429	0.023	0.442	3.73E-75	-0.035	0.014	0.011	0.083	336.296	TRUE	1.19E-69
Allergic asthma	ARSB	cg24166916	rs2547906	G	A	0.338	0.024	0.421	8.78E-47	-0.003	0.014	0.827	0.053	206.198	TRUE	3.71E-45
Allergic asthma	ARSB	cg24166916	rs3733890	A	G	0.457	0.025	0.307	9.76E-74	-0.018	0.016	0.242	0.082	329.791	TRUE	1.35E-69
Allergic asthma	ARSB	cg24166916	rs3857405	A	G	0.273	0.033	0.348	2.75E-16	-0.022	0.015	0.140	0.018	66.938	TRUE	2.30E-15
Allergic asthma	ARSB	cg24166916	rs4324657	A	C	-0.258	0.046	0.067	2.40E-08	0.010	0.037	0.786	0.008	31.121	TRUE	3.82E-08
Allergic asthma	ARSB	cg24166916	rs532442795	G	C	1.048	0.111	0.011	3.97E-21	-0.156	0.070	0.027	0.023	88.942	TRUE	1.25E-19
Allergic asthma	ARSB	cg24166916	rs62377937	G	A	0.970	0.051	0.049	1.78E-81	-0.016	0.034	0.643	0.090	365.308	TRUE	2.13E-77
Allergic asthma	ARSB	cg24166916	rs72762996	T	C	-0.300	0.041	0.096	1.25E-13	0.015	0.020	0.434	0.015	54.897	TRUE	4.31E-13
Allergic asthma	ARSB	cg24166916	rs74772620	T	C	1.108	0.025	0.176	<1E-200	-0.060	0.020	0.002	0.344	1943.952	TRUE	<1E-200
Allergic asthma	ARSB	cg24166916	rs7705926	C	G	-0.352	0.026	0.287	6.96E-43	0.006	0.015	0.704	0.048	188.340	TRUE	2.44E-41
Allergic asthma	ARSB	cg24893837	rs12187584	C	A	-0.170	0.024	0.442	8.57E-13	0.002	0.013	0.901	0.014	51.119	TRUE	1.58E-12
Allergic asthma	ARSB	cg24893837	rs1402684	T	G	-0.149	0.026	0.276	1.58E-08	0.009	0.015	0.543	0.009	31.934	TRUE	3.19E-08
Allergic asthma	ARSB	cg24893837	rs485142	G	A	0.209	0.024	0.431	9.93E-19	-0.002	0.014	0.872	0.021	78.031	TRUE	2.77E-18
Allergic asthma	ARSB	cg24893837	rs57444763	A	G	0.256	0.026	0.310	1.15E-23	-0.019	0.016	0.216	0.026	100.495	TRUE	1.64E-22
Allergic asthma	ARSB	cg24893837	rs575425	A	G	0.293	0.024	0.352	9.68E-34	0.005	0.014	0.724	0.038	146.503	TRUE	1.22E-32
Allergic asthma	ARSB	cg24893837	rs57586329	C	T	0.754	0.029	0.170	2.99E-144	-0.031	0.021	0.138	0.150	653.662	TRUE	1.04E-132
Allergic asthma	ARSB	cg26470338	rs10040592	G	A	-0.254	0.042	0.088	1.04E-09	-0.013	0.028	0.645	0.010	37.228	TRUE	2.06E-09
Allergic asthma	ARSB	cg26470338	rs10514152	T	C	-0.616	0.045	0.071	7.31E-43	-0.041	0.038	0.282	0.048	188.243	TRUE	7.77E-41
Allergic asthma	ARSB	cg26470338	rs112412427	T	C	-0.272	0.028	0.219	4.55E-22	0.004	0.018	0.808	0.025	93.225	TRUE	1.77E-21
Allergic asthma	ARSB	cg26470338	rs12187584	C	A	0.294	0.024	0.442	1.60E-35	0.002	0.013	0.901	0.040	154.658	TRUE	1.73E-34
Allergic asthma	ARSB	cg26470338	rs2052549	T	C	-0.895	0.024	0.227	<1E-200	-0.037	0.019	0.045	0.281	1446.534	TRUE	9.84E-275
Allergic asthma	ARSB	cg26470338	rs2919650	A	C	-0.261	0.024	0.433	1.86E-28	-0.003	0.014	0.814	0.032	122.361	TRUE	1.22E-27
Allergic asthma	ARSB	cg26470338	rs4279321	G	A	0.341	0.039	0.093	2.96E-18	-0.011	0.020	0.563	0.020	75.876	TRUE	1.23E-17
Allergic asthma	ARSB	cg26470338	rs532442795	G	C	-0.743	0.111	0.011	2.61E-11	-0.156	0.070	0.027	0.012	44.422	TRUE	2.26E-10
Allergic asthma	ARSB	cg26470338	rs569634929	C	T	-0.257	0.024	0.378	1.52E-26	-0.047	0.016	0.003	0.030	113.628	TRUE	2.54E-24
Allergic asthma	ARSB	cg26470338	rs584218	C	T	-0.387	0.023	0.470	1.81E-62	-0.011	0.014	0.413	0.070	278.093	TRUE	1.93E-59
Allergic asthma	ARSB	cg26470338	rs585800	T	A	0.261	0.026	0.287	2.86E-24	0.020	0.015	0.164	0.027	103.261	TRUE	5.21E-23
Allergic asthma	ARSB	cg26470338	rs72762996	T	C	0.293	0.041	0.096	5.07E-13	0.015	0.020	0.434	0.014	52.151	TRUE	1.66E-12
Allergic asthma	ARSB	cg26470338	rs7701438	T	G	-0.631	0.067	0.034	4.24E-21	-0.038	0.036	0.286	0.023	88.809	TRUE	3.82E-20
Allergic asthma	ARSB	cg27361227	rs62377505	A	C	0.213	0.029	0.206	1.25E-13	0.015	0.015	0.303	0.015	54.895	TRUE	5.36E-13
Allergic asthma	ATF3	cg03970567	rs1008737	G	C	-0.448	0.033	0.128	2.53E-41	0.035	0.019	0.071	0.047	181.199	TRUE	6.89E-39
Allergic asthma	ATF3	cg03970567	rs114197810	T	G	-0.716	0.096	0.028	6.55E-14	-0.037	0.030	0.215	0.015	56.170	TRUE	3.45E-13

Allergic asthma	ATF3	cg03970567	rs114351967	T	C	-0.462	0.079	0.020	4.18E-09	0.058	0.037	0.118	0.009	34.517	TRUE	1.71E-08
Allergic asthma	ATF3	cg03970567	rs116604459	C	T	0.327	0.057	0.044	1.09E-08	-0.053	0.049	0.273	0.009	32.657	TRUE	3.10E-08
Allergic asthma	ATF3	cg03970567	rs12066052	A	C	0.231	0.025	0.336	1.52E-20	0.020	0.016	0.230	0.023	86.289	TRUE	1.50E-19
Allergic asthma	ATF3	cg03970567	rs12073226	T	C	-0.509	0.034	0.129	2.40E-50	-0.047	0.018	0.008	0.057	222.518	TRUE	1.04E-46
Allergic asthma	ATF3	cg03970567	rs12120031	C	T	0.298	0.032	0.159	3.88E-21	-0.023	0.016	0.140	0.023	88.985	TRUE	5.51E-20
Allergic asthma	ATF3	cg03970567	rs12729140	C	T	-1.257	0.026	0.145	<1E-200	-0.002	0.017	0.899	0.391	2375.885	TRUE	<1E-200
Allergic asthma	ATF3	cg03970567	rs17019438	C	T	-0.248	0.026	0.262	4.59E-21	0.022	0.017	0.193	0.023	88.654	TRUE	5.33E-20
Allergic asthma	ATF3	cg03970567	rs2456831	A	G	0.229	0.039	0.103	3.37E-09	0.017	0.026	0.518	0.009	34.940	TRUE	7.34E-09
Allergic asthma	ATF3	cg03970567	rs3122720	T	C	0.218	0.033	0.142	4.67E-11	-0.017	0.020	0.414	0.012	43.286	TRUE	1.34E-10
Allergic asthma	ATF3	cg03970567	rs3125291	G	A	0.249	0.025	0.330	3.94E-23	0.005	0.015	0.728	0.026	98.066	TRUE	1.89E-22
Allergic asthma	ATF3	cg03970567	rs35961366	G	T	-0.997	0.099	0.035	9.23E-24	0.011	0.035	0.755	0.027	100.938	TRUE	4.47E-23
Allergic asthma	ATF3	cg03970567	rs4951625	A	G	-0.966	0.081	0.023	8.89E-33	0.000	0.040	0.991	0.037	142.101	TRUE	6.32E-32
Allergic asthma	ATF3	cg03970567	rs565099	A	G	-0.770	0.090	0.014	1.31E-17	0.099	0.055	0.071	0.019	72.936	TRUE	1.76E-16
Allergic asthma	ATF3	cg03970567	rs597459	G	A	-0.221	0.024	0.338	1.20E-19	0.001	0.014	0.940	0.022	82.201	TRUE	3.26E-19
Allergic asthma	ATF3	cg03970567	rs61830682	A	G	-0.556	0.084	0.022	3.69E-11	-0.021	0.057	0.707	0.012	43.747	TRUE	7.55E-11
Allergic asthma	ATF3	cg03970567	rs61832379	C	T	0.178	0.027	0.254	3.77E-11	0.011	0.016	0.519	0.012	43.705	TRUE	9.52E-11
Allergic asthma	ATF3	cg03970567	rs66505337	G	T	-0.157	0.027	0.253	4.37E-09	-0.009	0.016	0.579	0.009	34.434	TRUE	8.86E-09
Allergic asthma	ATF3	cg03970567	rs79386729	A	G	-0.697	0.058	0.041	2.20E-33	0.012	0.032	0.717	0.038	144.869	TRUE	2.72E-32
Allergic asthma	ATF3	cg03970567	rs9308424	A	G	-0.163	0.025	0.329	5.34E-11	0.037	0.017	0.026	0.011	43.026	TRUE	4.49E-10
Allergic asthma	ATF3	cg04323713	rs1001304	T	C	0.203	0.028	0.213	1.65E-13	-0.045	0.016	0.004	0.014	54.357	TRUE	3.28E-12
Allergic asthma	ATF3	cg04323713	rs10863957	C	T	-0.176	0.028	0.224	3.65E-10	-0.005	0.015	0.705	0.011	39.273	TRUE	7.00E-10
Allergic asthma	ATF3	cg04323713	rs115035134	A	C	-0.559	0.080	0.018	2.20E-12	0.078	0.045	0.083	0.013	49.270	TRUE	1.50E-11
Allergic asthma	ATF3	cg04323713	rs12144600	G	A	-0.304	0.052	0.053	4.17E-09	-0.018	0.034	0.605	0.009	34.523	TRUE	8.25E-09
Allergic asthma	ATF3	cg04323713	rs12410743	A	G	-0.294	0.039	0.110	3.32E-14	-0.007	0.019	0.698	0.015	57.506	TRUE	8.42E-14
Allergic asthma	ATF3	cg04323713	rs143963349	A	T	-1.921	0.067	0.033	3.59E-178	-0.021	0.081	0.794	0.180	809.577	TRUE	7.79E-164
Allergic asthma	ATF3	cg04323713	rs150509583	T	C	-0.605	0.055	0.049	5.16E-28	0.013	0.032	0.670	0.032	120.341	TRUE	4.15E-27
Allergic asthma	ATF3	cg04323713	rs4543871	C	T	-0.254	0.027	0.254	9.86E-21	0.041	0.018	0.026	0.023	87.143	TRUE	3.02E-19
Allergic asthma	ATF3	cg04323713	rs681005	T	G	-0.151	0.024	0.401	2.04E-10	0.024	0.015	0.105	0.011	40.409	TRUE	1.01E-09
Allergic asthma	ATF3	cg04323713	rs72754346	C	T	-0.327	0.056	0.047	7.33E-09	-0.013	0.041	0.758	0.009	33.427	TRUE	1.23E-08
Allergic asthma	ATF3	cg04323713	rs74620737	C	T	-0.583	0.071	0.059	1.98E-16	0.014	0.027	0.601	0.018	67.586	TRUE	6.72E-16
Allergic asthma	ATF3	cg04323713	rs79381401	A	G	-0.454	0.045	0.080	5.21E-24	0.003	0.033	0.918	0.027	102.071	TRUE	2.00E-23
Allergic asthma	ATF3	cg05036120	rs3123534	C	A	0.149	0.025	0.326	4.49E-09	0.006	0.014	0.666	0.009	34.381	TRUE	8.34E-09
Allergic asthma	ATF3	cg18174834	rs3125291	G	A	0.203	0.025	0.330	3.14E-16	0.005	0.015	0.728	0.018	66.679	TRUE	8.85E-16
Allergic asthma	ATF3	cg18317154	rs685330	G	C	-0.143	0.025	0.330	8.27E-09	0.006	0.015	0.704	0.009	33.192	TRUE	1.46E-08
Allergic asthma	ATF3	cg23534142	rs1001304	T	C	0.293	0.027	0.213	1.59E-26	-0.045	0.016	0.004	0.030	113.544	TRUE	2.22E-24
Allergic asthma	ATF3	cg23534142	rs12744239	G	A	-0.199	0.024	0.365	2.08E-16	0.014	0.015	0.364	0.018	67.492	TRUE	1.02E-15
Allergic asthma	ATF3	cg23534142	rs17019442	C	T	-0.292	0.040	0.095	2.23E-13	-0.004	0.028	0.885	0.014	53.766	TRUE	4.31E-13
Allergic asthma	ATF3	cg23534142	rs183325637	T	C	-0.487	0.087	0.018	1.97E-08	-0.060	0.078	0.442	0.008	31.512	TRUE	4.39E-08
Allergic asthma	ATF3	cg23534142	rs2292480	C	T	0.268	0.040	0.087	2.87E-11	0.010	0.023	0.650	0.012	44.242	TRUE	6.28E-11
Allergic asthma	ATF3	cg23534142	rs2884515	C	T	0.147	0.026	0.284	1.42E-08	-0.006	0.014	0.655	0.009	32.136	TRUE	2.59E-08
Allergic asthma	ATF3	cg23534142	rs376490810	C	A	-2.284	0.147	0.015	1.41E-54	0.017	0.065	0.794	0.061	241.914	TRUE	1.71E-52
Allergic asthma	ATF3	cg23534142	rs56671266	C	T	-0.529	0.028	0.222	6.28E-79	0.044	0.019	0.019	0.087	353.615	TRUE	2.83E-73

Allergic asthma	ATF3	cg23534142	rs629118	G	A	0.195	0.024	0.440	5.74E-16	0.006	0.014	0.661	0.017	65.489	TRUE	1.73E-15
Allergic asthma	ATF3	cg23534142	rs6661348	T	C	-0.208	0.026	0.285	1.23E-15	0.020	0.020	0.307	0.017	63.995	TRUE	6.26E-15
Allergic asthma	ATF3	cg23534142	rs78276076	C	T	-0.298	0.044	0.075	2.02E-11	0.038	0.035	0.279	0.012	44.930	TRUE	7.35E-11
Allergic asthma	ATF3	cg23534142	rs9651103	T	C	-0.178	0.025	0.344	1.02E-12	0.024	0.015	0.101	0.014	50.774	TRUE	6.68E-12
Allergic asthma	ATF3	cg25386151	rs6696022	G	A	0.283	0.046	0.073	5.60E-10	-0.008	0.038	0.829	0.010	38.435	TRUE	9.42E-10
Allergic asthma	ATF6	cg07046186	rs6427638	A	G	0.382	0.041	0.090	3.51E-20	0.014	0.027	0.602	0.022	84.633	TRUE	1.60E-19
Allergic asthma	ATF6	cg07804963	rs112184925	A	G	0.790	0.083	0.019	1.59E-21	0.019	0.107	0.860	0.024	90.755	TRUE	5.51E-21
Allergic asthma	ATF6	cg08171933	rs12046823	G	A	-0.282	0.046	0.073	6.78E-10	0.016	0.028	0.576	0.010	38.062	TRUE	1.46E-09
Allergic asthma	ATF6	cg09175582	rs10917750	C	T	-0.187	0.025	0.275	1.07E-13	0.047	0.015	0.002	0.015	55.196	TRUE	2.80E-12
Allergic asthma	ATF6	cg09175582	rs2298019	A	G	-0.552	0.035	0.125	2.27E-56	0.054	0.022	0.014	0.063	250.133	TRUE	1.90E-52
Allergic asthma	ATF6	cg09175582	rs72700089	T	C	-0.199	0.035	0.121	1.37E-08	0.030	0.019	0.124	0.009	32.208	TRUE	5.20E-08
Allergic asthma	ATF6	cg10064029	rs10918103	A	G	-0.228	0.042	0.090	4.52E-08	0.013	0.027	0.614	0.008	29.896	TRUE	8.25E-08
Allergic asthma	ATF6	cg10230257	rs4656340	C	G	-0.164	0.028	0.231	4.25E-09	0.045	0.017	0.007	0.009	34.487	TRUE	3.72E-08
Allergic asthma	ATF6	cg12648759	rs12078104	C	T	-0.340	0.057	0.039	2.81E-09	-0.031	0.026	0.234	0.009	35.294	TRUE	9.04E-09
Allergic asthma	ATF6	cg12648759	rs12404636	A	G	-0.934	0.042	0.080	1.92E-109	0.010	0.027	0.712	0.118	493.733	TRUE	4.89E-103
Allergic asthma	ATF6	cg12648759	rs12406801	G	A	-0.268	0.024	0.368	4.71E-29	0.044	0.014	0.002	0.033	125.086	TRUE	1.39E-26
Allergic asthma	ATF6	cg12648759	rs1503813	G	A	-0.159	0.029	0.219	4.30E-08	0.013	0.016	0.407	0.008	29.993	TRUE	9.72E-08
Allergic asthma	ATF6	cg12648759	rs16852851	T	G	-0.488	0.067	0.031	3.73E-13	0.052	0.043	0.230	0.014	52.753	TRUE	1.77E-12
Allergic asthma	ATF6	cg12648759	rs1847383	G	A	-0.658	0.024	0.348	2.51E-170	0.038	0.015	0.011	0.173	773.512	TRUE	6.19E-154
Allergic asthma	ATF6	cg12648759	rs2490437	C	T	0.260	0.024	0.382	5.83E-27	-0.016	0.014	0.251	0.030	115.533	TRUE	1.06E-25
Allergic asthma	ATF6	cg12648759	rs6427594	T	C	-0.204	0.030	0.188	5.20E-12	0.026	0.020	0.184	0.013	47.583	TRUE	2.45E-11
Allergic asthma	ATF6	cg19735514	rs115800677	A	G	0.274	0.050	0.059	3.39E-08	-0.043	0.033	0.192	0.008	30.454	TRUE	1.06E-07
Allergic asthma	ATF6	cg19735514	rs12402354	T	A	-0.639	0.047	0.071	1.70E-42	0.013	0.027	0.633	0.048	186.558	TRUE	6.67E-41
Allergic asthma	ATF6	cg19735514	rs1417582	T	C	-0.213	0.025	0.304	1.60E-17	0.033	0.014	0.023	0.019	72.541	TRUE	3.39E-16
Allergic asthma	ATF6	cg19735514	rs1832739	T	G	-0.146	0.024	0.465	7.60E-10	-0.004	0.014	0.765	0.010	37.839	TRUE	1.35E-09
Allergic asthma	ATF6	cg19735514	rs61802507	T	C	0.661	0.022	0.286	1.05E-198	-0.032	0.015	0.031	0.196	903.978	TRUE	1.32E-178
Allergic asthma	ATF6	cg22522357	rs10799917	C	T	0.150	0.027	0.245	2.70E-08	0.013	0.016	0.409	0.008	30.898	TRUE	6.19E-08
Allergic asthma	ATF6	cg22522357	rs10918243	C	T	0.212	0.024	0.355	3.37E-18	-0.035	0.014	0.014	0.020	75.617	TRUE	9.38E-17
Allergic asthma	ATF6	cg22522357	rs1105238	G	C	-0.204	0.030	0.200	5.94E-12	0.026	0.017	0.132	0.013	47.325	TRUE	3.20E-11
Allergic asthma	ATF6	cg22522357	rs11581364	T	G	0.192	0.024	0.372	3.25E-15	-0.002	0.014	0.872	0.017	62.075	TRUE	7.17E-15
Allergic asthma	ATF6	cg22522357	rs144840741	C	A	-0.482	0.079	0.041	1.00E-09	-0.005	0.031	0.881	0.010	37.302	TRUE	1.58E-09
Allergic asthma	ATF6	cg22522357	rs2271010	G	A	-1.488	0.035	0.090	<1E-200	0.016	0.027	0.557	0.325	1777.890	TRUE	<1E-200
Allergic asthma	ATF6	cg22522357	rs560093485	G	A	-1.275	0.083	0.020	1.07E-52	0.020	0.107	0.853	0.059	233.298	TRUE	8.84E-51
Allergic asthma	ATF6	cg22608657	rs17415553	G	A	1.257	0.084	0.019	2.44E-50	0.026	0.107	0.807	0.057	222.488	TRUE	1.66E-48
Allergic asthma	ATP13A2	cg03937609	rs6703561	A	G	0.493	0.061	0.038	5.92E-16	0.003	0.046	0.953	0.017	65.428	TRUE	1.24E-15
Allergic asthma	ATP13A2	cg06953703	rs9435739	G	A	0.159	0.025	0.332	1.31E-10	0.033	0.014	0.015	0.011	41.276	TRUE	1.20E-09
Allergic asthma	ATP13A2	cg16027378	rs2235930	A	G	0.142	0.024	0.418	1.72E-09	0.022	0.014	0.102	0.010	36.245	TRUE	7.74E-09
Allergic asthma	ATP13A2	cg22045253	rs34778293	A	G	0.279	0.048	0.062	5.82E-09	0.013	0.034	0.704	0.009	33.876	TRUE	1.04E-08
Allergic asthma	ATP13A2	cg22045253	rs56047197	A	G	0.532	0.026	0.266	1.10E-90	0.034	0.015	0.019	0.099	407.587	TRUE	5.65E-84
Allergic asthma	ATP13A2	cg22045253	rs9435730	G	A	-0.182	0.031	0.165	4.17E-09	-0.009	0.018	0.635	0.009	34.524	TRUE	8.01E-09
Allergic asthma	ATP2A1	cg04414917	rs12928404	C	T	-0.399	0.024	0.392	4.69E-64	-0.012	0.014	0.393	0.072	285.373	TRUE	6.86E-61
Allergic asthma	ATP2A1	cg04414917	rs153105	C	T	-0.297	0.046	0.074	1.12E-10	0.057	0.027	0.038	0.011	41.575	TRUE	8.07E-10

Allergic asthma	ATP2A1	cg04414917	rs28709965	A	G	0.171	0.023	0.491	3.09E-13	-0.007	0.013	0.627	0.014	53.121	TRUE	7.98E-13
Allergic asthma	ATP2A1	cg04414917	rs73535886	C	T	-0.144	0.026	0.319	1.89E-08	-0.009	0.014	0.505	0.008	31.589	TRUE	3.95E-08
Allergic asthma	ATP2A1	cg05966235	rs11401	G	A	-0.193	0.031	0.184	4.40E-10	0.028	0.020	0.168	0.010	38.905	TRUE	1.76E-09
Allergic asthma	ATP2A1	cg05966235	rs11642449	T	C	0.766	0.022	0.346	1.24E-273	-0.025	0.014	0.070	0.252	1248.519	TRUE	7.02E-241
Allergic asthma	ATP2A1	cg05966235	rs369524013	A	G	-0.154	0.025	0.326	9.20E-10	-0.011	0.015	0.478	0.010	37.468	TRUE	2.19E-09
Allergic asthma	ATP2A1	cg05966235	rs67479058	C	T	-0.334	0.029	0.191	3.48E-30	0.033	0.021	0.108	0.034	130.253	TRUE	1.65E-28
Allergic asthma	ATP2A1	cg05966235	rs72791878	T	C	0.593	0.065	0.034	5.91E-20	0.051	0.032	0.111	0.022	83.604	TRUE	8.34E-19
Allergic asthma	ATP2A1	cg05966235	rs8052258	C	T	-0.270	0.023	0.476	6.50E-31	-0.003	0.014	0.844	0.035	133.581	TRUE	5.05E-30
Allergic asthma	ATP2A1	cg05966235	rs8054074	A	G	0.271	0.025	0.314	1.99E-26	-0.008	0.014	0.548	0.030	113.101	TRUE	1.72E-25
Allergic asthma	ATP2A1	cg08213689	rs40831	G	A	0.141	0.024	0.419	2.99E-09	-0.008	0.014	0.535	0.009	35.168	TRUE	6.44E-09
Allergic asthma	ATP2A1	cg10436792	rs11150697	T	C	0.323	0.038	0.121	2.00E-17	0.033	0.024	0.174	0.019	72.102	TRUE	1.69E-16
Allergic asthma	ATP2A1	cg10436792	rs142505175	A	G	0.367	0.059	0.042	4.28E-10	0.030	0.036	0.399	0.010	38.958	TRUE	1.16E-09
Allergic asthma	ATP2A1	cg10436792	rs576443469	A	G	-0.229	0.026	0.278	2.68E-18	0.018	0.015	0.226	0.020	76.073	TRUE	2.12E-17
Allergic asthma	ATP2A1	cg10436792	rs8052258	C	T	0.167	0.023	0.476	1.17E-12	-0.003	0.014	0.844	0.013	50.510	TRUE	2.27E-12
Allergic asthma	ATP2A1	cg10436792	rs9933198	T	C	0.546	0.027	0.255	6.12E-94	0.044	0.020	0.028	0.103	422.529	TRUE	4.52E-87
Allergic asthma	ATP2A1	cg27473355	rs62037414	C	T	0.189	0.025	0.331	2.37E-14	-0.033	0.014	0.019	0.015	58.164	TRUE	3.51E-13
Allergic asthma	ATP6V0A1	cg00706536	rs10512488	A	G	-0.158	0.027	0.247	6.86E-09	0.021	0.016	0.178	0.009	33.555	TRUE	2.37E-08
Allergic asthma	ATP6V0A1	cg00706536	rs145289234	G	A	1.042	0.045	0.069	3.46E-117	0.000	0.029	0.991	0.125	529.310	TRUE	1.98E-110
Allergic asthma	ATP6V0A1	cg00706536	rs161620	C	A	0.247	0.029	0.198	2.03E-17	-0.014	0.017	0.409	0.019	72.072	TRUE	1.01E-16
Allergic asthma	ATP6V0A1	cg00706536	rs2074164	C	G	0.239	0.031	0.183	8.52E-15	0.026	0.018	0.144	0.016	60.180	TRUE	6.00E-14
Allergic asthma	ATP6V0A1	cg00706536	rs709631	A	T	0.191	0.026	0.302	1.28E-13	0.001	0.014	0.924	0.015	54.855	TRUE	2.41E-13
Allergic asthma	ATP6V0A1	cg00706536	rs74670515	C	T	0.516	0.069	0.028	8.96E-14	-0.034	0.039	0.383	0.015	55.553	TRUE	3.38E-13
Allergic asthma	ATP6V0A1	cg15269394	rs35111218	T	G	0.152	0.027	0.253	2.05E-08	-0.016	0.015	0.299	0.008	31.428	TRUE	5.48E-08
Allergic asthma	ATP6V0A1	cg20082357	rs9897504	T	C	-0.145	0.026	0.274	2.20E-08	0.035	0.015	0.022	0.008	31.296	TRUE	1.32E-07
Allergic asthma	ATP6V0A2	cg02460419	rs10773024	G	C	-0.393	0.057	0.042	5.34E-12	-0.046	0.033	0.165	0.013	47.533	TRUE	2.63E-11
Allergic asthma	ATP6V0A2	cg02460419	rs10846569	T	G	0.180	0.028	0.230	1.57E-10	-0.056	0.020	0.005	0.011	40.913	TRUE	1.87E-09
Allergic asthma	ATP6V0A2	cg02460419	rs112002563	T	C	0.366	0.058	0.046	2.31E-10	-0.060	0.033	0.065	0.011	40.160	TRUE	1.34E-09
Allergic asthma	ATP6V0A2	cg02460419	rs141433349	A	G	0.340	0.059	0.035	7.83E-09	0.019	0.040	0.630	0.009	33.299	TRUE	1.48E-08
Allergic asthma	ATP6V0A2	cg02460419	rs147460725	T	G	0.421	0.041	0.084	5.45E-25	-0.001	0.034	0.974	0.028	106.543	TRUE	2.08E-24
Allergic asthma	ATP6V0A2	cg02460419	rs2341779	G	A	-0.132	0.024	0.421	2.32E-08	0.014	0.014	0.298	0.008	31.193	TRUE	6.16E-08
Allergic asthma	ATP6V0A2	cg02460419	rs34224739	G	A	0.431	0.050	0.060	9.67E-18	-0.111	0.038	0.004	0.019	73.540	TRUE	3.83E-16
Allergic asthma	ATP6V0A2	cg02460419	rs35157218	T	C	0.308	0.041	0.218	6.99E-14	-0.066	0.017	8.15E-05	0.015	56.042	TRUE	3.72E-12
Allergic asthma	ATP6V0A2	cg02460419	rs3926666	C	T	0.153	0.025	0.310	1.07E-09	0.006	0.015	0.699	0.010	37.165	TRUE	2.01E-09
Allergic asthma	ATP6V0A2	cg02460419	rs4930730	T	G	-0.222	0.024	0.476	9.42E-21	-0.023	0.014	0.096	0.023	87.233	TRUE	1.57E-19
Allergic asthma	ATP6V0A2	cg02460419	rs61953486	G	A	0.138	0.025	0.351	3.07E-08	0.013	0.014	0.355	0.008	30.644	TRUE	7.49E-08
Allergic asthma	ATP6V0A2	cg02460419	rs6488898	G	A	0.321	0.058	0.076	3.89E-08	0.012	0.020	0.558	0.008	30.188	TRUE	7.52E-08
Allergic asthma	ATP6V0A2	cg02460419	rs7313032	A	G	0.664	0.023	0.423	3.53E-183	-0.030	0.014	0.041	0.184	832.597	TRUE	1.30E-165
Allergic asthma	ATP6V0A2	cg04140754	rs10846569	T	G	0.282	0.028	0.230	9.38E-24	-0.056	0.020	0.005	0.027	100.906	TRUE	8.11E-22
Allergic asthma	ATP6V0A2	cg04140754	rs111853781	G	T	-0.994	0.092	0.017	5.03E-27	-0.161	0.070	0.022	0.030	115.824	TRUE	3.84E-25
Allergic asthma	ATP6V0A2	cg04140754	rs117209788	T	C	0.471	0.041	0.086	3.62E-31	0.003	0.034	0.934	0.035	134.744	TRUE	2.46E-30
Allergic asthma	ATP6V0A2	cg04140754	rs13303334	G	A	0.262	0.042	0.215	3.67E-10	-0.063	0.020	0.002	0.011	39.259	TRUE	5.34E-09
Allergic asthma	ATP6V0A2	cg04140754	rs141433349	A	G	0.407	0.059	0.035	3.84E-12	0.019	0.040	0.630	0.013	48.177	TRUE	9.15E-12

Allergic asthma	ATP6V0A2	cg04140754	rs2203500	G	A	0.747	0.023	0.404	7.01E-236	-0.024	0.015	0.094	0.225	1074.911	TRUE	2.34E-210
Allergic asthma	ATP6V0A2	cg04140754	rs2674505	G	A	0.293	0.024	0.411	1.03E-35	0.009	0.014	0.528	0.040	155.527	TRUE	2.38E-34
Allergic asthma	ATP6V0A2	cg04140754	rs28531860	G	A	0.141	0.025	0.321	2.58E-08	0.009	0.014	0.520	0.008	30.984	TRUE	5.25E-08
Allergic asthma	ATP6V0A2	cg04140754	rs3926666	C	T	0.169	0.025	0.310	1.76E-11	0.006	0.015	0.699	0.012	45.196	TRUE	3.71E-11
Allergic asthma	ATP6V0A2	cg04140754	rs55920625	A	C	0.550	0.049	0.061	9.41E-29	-0.111	0.038	0.004	0.032	123.714	TRUE	1.95E-26
Allergic asthma	ATP6V0A2	cg04140754	rs6488898	G	A	0.361	0.058	0.076	4.65E-10	0.012	0.020	0.558	0.010	38.799	TRUE	1.03E-09
Allergic asthma	ATP6V0A2	cg04140754	rs7138100	A	C	-0.237	0.025	0.344	8.81E-22	0.007	0.015	0.639	0.024	91.918	TRUE	4.33E-21
Allergic asthma	ATP6V0A2	cg06735598	rs10773039	A	G	-0.171	0.023	0.459	2.21E-13	0.009	0.014	0.496	0.014	53.777	TRUE	6.84E-13
Allergic asthma	ATP6V0A2	cg06735598	rs10846530	C	G	0.436	0.065	0.031	2.65E-11	-0.042	0.034	0.214	0.012	44.392	TRUE	1.08E-10
Allergic asthma	ATP6V0A2	cg06735598	rs10846569	T	G	-0.300	0.028	0.230	1.22E-26	-0.056	0.020	0.005	0.030	114.069	TRUE	1.61E-24
Allergic asthma	ATP6V0A2	cg06735598	rs112002563	T	C	-0.475	0.058	0.046	1.59E-16	-0.060	0.033	0.065	0.018	68.014	TRUE	1.95E-15
Allergic asthma	ATP6V0A2	cg06735598	rs11615300	G	A	-0.825	0.021	0.419	<1E-200	-0.047	0.015	0.002	0.297	1564.659	TRUE	1.15E-292
Allergic asthma	ATP6V0A2	cg06735598	rs116981002	G	A	0.410	0.071	0.056	7.74E-09	0.023	0.032	0.468	0.009	33.320	TRUE	1.74E-08
Allergic asthma	ATP6V0A2	cg06735598	rs11834698	G	A	-0.386	0.063	0.038	8.20E-10	-0.061	0.046	0.184	0.010	37.691	TRUE	3.07E-09
Allergic asthma	ATP6V0A2	cg06735598	rs141433349	A	G	-0.345	0.059	0.035	4.75E-09	0.019	0.040	0.630	0.009	34.269	TRUE	9.13E-09
Allergic asthma	ATP6V0A2	cg06735598	rs143928387	T	C	-0.444	0.041	0.085	2.00E-27	0.003	0.034	0.932	0.031	117.654	TRUE	9.88E-27
Allergic asthma	ATP6V0A2	cg06735598	rs2674506	C	T	-0.321	0.024	0.412	6.10E-41	0.011	0.014	0.413	0.046	179.444	TRUE	3.40E-39
Allergic asthma	ATP6V0A2	cg06735598	rs34224739	G	A	-0.519	0.050	0.060	4.45E-25	-0.111	0.038	0.004	0.028	106.944	TRUE	5.28E-23
Allergic asthma	ATP6V0A2	cg06735598	rs35157218	T	C	-0.392	0.041	0.218	9.44E-22	-0.066	0.017	8.15E-05	0.024	91.782	TRUE	2.13E-19
Allergic asthma	ATP6V0A2	cg06735598	rs3926666	C	T	-0.167	0.025	0.310	3.47E-11	0.006	0.015	0.699	0.012	43.869	TRUE	7.17E-11
Allergic asthma	ATP6V0A2	cg06735598	rs6488907	A	G	0.143	0.025	0.296	1.52E-08	-0.006	0.014	0.683	0.009	32.013	TRUE	2.68E-08
Allergic asthma	ATP6V0A2	cg06735598	rs7964876	T	C	-0.330	0.044	0.068	6.83E-14	-0.110	0.034	0.001	0.015	56.085	TRUE	2.01E-12
Allergic asthma	ATP6V0A2	cg16376770	rs7302788	C	T	-0.147	0.024	0.406	8.92E-10	-0.025	0.015	0.093	0.010	37.527	TRUE	4.28E-09
Allergic asthma	ATP6V0A2	cg17306339	rs111260541	A	G	0.908	0.096	0.018	3.45E-21	-0.155	0.070	0.028	0.024	89.221	TRUE	1.09E-19
Allergic asthma	ATP6V0A2	cg17306339	rs4040225	A	G	0.182	0.024	0.453	6.93E-14	-0.052	0.015	4.07E-04	0.015	56.057	TRUE	2.63E-12
Allergic asthma	ATP6V0A2	cg21179092	rs7133199	C	A	0.237	0.024	0.423	2.38E-23	-0.031	0.014	0.030	0.026	99.063	TRUE	9.54E-22
Allergic asthma	ATP6V0A2	cg25710520	rs10846569	T	G	-0.179	0.028	0.230	2.13E-10	-0.056	0.020	0.005	0.011	40.326	TRUE	2.47E-09
Allergic asthma	ATP6V0A2	cg25710520	rs11572926	G	A	0.272	0.049	0.060	3.65E-08	-0.067	0.030	0.026	0.008	30.308	TRUE	2.04E-07
Allergic asthma	ATP6V0A2	cg25710520	rs117209788	T	C	-0.282	0.041	0.086	5.11E-12	0.003	0.034	0.934	0.013	47.619	TRUE	8.68E-12
Allergic asthma	ATP6V0A2	cg25710520	rs11837256	T	A	-0.543	0.024	0.404	5.25E-118	-0.024	0.015	0.094	0.126	533.070	TRUE	2.94E-109
Allergic asthma	ATP6V0A2	cg25710520	rs13303189	T	A	-0.277	0.042	0.211	6.14E-11	-0.063	0.020	0.002	0.011	42.752	TRUE	1.03E-09
Allergic asthma	ATP6V0A2	cg25710520	rs2674505	G	A	-0.186	0.024	0.411	3.77E-15	0.009	0.014	0.528	0.016	61.783	TRUE	1.28E-14
Allergic asthma	ATP6V0A2	cg25710520	rs55920625	A	C	-0.317	0.050	0.061	1.82E-10	-0.111	0.038	0.004	0.011	40.632	TRUE	2.31E-09
Allergic asthma	BCL2L1	cg00300298	rs17093657	A	G	0.177	0.029	0.206	1.01E-09	-0.019	0.014	0.179	0.010	37.284	TRUE	3.79E-09
Allergic asthma	BCL2L1	cg00300298	rs4911300	A	G	-0.157	0.027	0.261	3.95E-09	0.027	0.015	0.072	0.009	34.631	TRUE	1.90E-08
Allergic asthma	BCL2L1	cg00300298	rs74384244	A	G	-0.523	0.043	0.084	1.43E-34	0.062	0.026	0.018	0.039	150.303	TRUE	3.43E-32
Allergic asthma	BCL2L1	cg08257293	rs118183288	A	G	0.474	0.068	0.030	3.77E-12	-0.041	0.059	0.481	0.013	48.217	TRUE	1.08E-11
Allergic asthma	BCL2L1	cg08257293	rs138363779	T	C	0.459	0.070	0.031	4.46E-11	-0.023	0.030	0.435	0.012	43.377	TRUE	1.24E-10
Allergic asthma	BCL2L1	cg08257293	rs141235157	G	A	0.374	0.064	0.034	5.63E-09	-0.015	0.025	0.539	0.009	33.941	TRUE	1.18E-08
Allergic asthma	BCL2L1	cg08257293	rs6058473	A	G	-0.265	0.044	0.079	1.91E-09	0.063	0.026	0.017	0.010	36.039	TRUE	1.44E-08
Allergic asthma	BCL2L1	cg08257293	rs6059740	A	G	-0.150	0.023	0.486	1.64E-10	0.006	0.014	0.642	0.011	40.830	TRUE	3.44E-10
Allergic asthma	BCL2L1	cg08257293	rs7266926	C	A	0.203	0.025	0.306	6.04E-16	0.008	0.015	0.581	0.017	65.387	TRUE	2.03E-15

Allergic asthma	BCL2L1	cg08257293	rs77130187	A	G	0.512	0.029	0.196	2.06E-69	-0.021	0.015	0.149	0.077	309.948	TRUE	2.36E-65
Allergic asthma	BCL2L1	cg12873919	rs117973647	T	C	0.423	0.070	0.027	1.47E-09	-0.010	0.036	0.780	0.010	36.561	TRUE	2.52E-09
Allergic asthma	BCL2L1	cg12873919	rs118183288	A	G	0.428	0.068	0.030	3.18E-10	-0.041	0.059	0.481	0.011	39.538	TRUE	7.83E-10
Allergic asthma	BCL2L1	cg12873919	rs534887597	C	T	0.546	0.094	0.018	7.07E-09	0.000	0.043	1.000	0.009	33.496	TRUE	9.61E-09
Allergic asthma	BCL2L1	cg12873919	rs6058963	A	G	0.191	0.026	0.284	1.34E-13	0.010	0.015	0.481	0.015	54.761	TRUE	4.31E-13
Allergic asthma	BCL2L1	cg12873919	rs6060989	T	C	0.464	0.029	0.206	2.30E-59	-0.019	0.014	0.183	0.067	263.862	TRUE	4.01E-56
Allergic asthma	BCL2L1	cg12873919	rs6060990	G	C	-0.238	0.043	0.084	2.87E-08	0.062	0.026	0.018	0.008	30.775	TRUE	1.79E-07
Allergic asthma	BCL2L1	cg13852791	rs112513829	A	C	-0.246	0.041	0.097	1.50E-09	-0.049	0.030	0.099	0.010	36.514	TRUE	6.87E-09
Allergic asthma	BCL2L1	cg13852791	rs112702898	C	T	0.683	0.057	0.042	1.41E-33	-0.039	0.028	0.161	0.038	145.763	TRUE	7.65E-32
Allergic asthma	BCL2L1	cg13852791	rs117532975	C	T	0.690	0.067	0.030	1.60E-24	-0.041	0.059	0.483	0.027	104.410	TRUE	1.31E-23
Allergic asthma	BCL2L1	cg13852791	rs12625006	G	A	-0.342	0.036	0.130	7.68E-22	0.002	0.024	0.939	0.024	92.190	TRUE	2.43E-21
Allergic asthma	BCL2L1	cg13852791	rs143955308	T	C	0.813	0.090	0.019	1.69E-19	0.037	0.035	0.292	0.022	81.531	TRUE	1.28E-18
Allergic asthma	BCL2L1	cg13852791	rs150780693	A	G	0.721	0.072	0.024	9.24E-24	-0.010	0.036	0.789	0.027	100.936	TRUE	4.24E-23
Allergic asthma	BCL2L1	cg13852791	rs1883508	T	C	0.172	0.024	0.417	6.20E-13	-0.004	0.014	0.754	0.014	51.755	TRUE	1.35E-12
Allergic asthma	BCL2L1	cg13852791	rs215912	C	T	0.346	0.023	0.463	1.21E-49	0.019	0.014	0.153	0.056	219.296	TRUE	5.83E-47
Allergic asthma	BCL2L1	cg13852791	rs34355888	T	C	0.238	0.023	0.494	2.64E-24	-0.012	0.014	0.358	0.027	103.416	TRUE	2.75E-23
Allergic asthma	BCL2L1	cg13852791	rs532287910	T	G	-0.296	0.044	0.075	1.67E-11	-0.001	0.023	0.977	0.012	45.302	TRUE	2.64E-11
Allergic asthma	BCL2L1	cg13852791	rs56073203	T	C	-0.341	0.055	0.107	4.95E-10	0.019	0.024	0.430	0.010	38.678	TRUE	1.28E-09
Allergic asthma	BCL2L1	cg13852791	rs564151217	A	C	-0.237	0.036	0.115	3.35E-11	0.029	0.024	0.214	0.012	43.939	TRUE	1.35E-10
Allergic asthma	BCL2L1	cg13852791	rs6058012	A	G	-0.307	0.023	0.486	1.08E-39	0.006	0.014	0.655	0.045	173.733	TRUE	2.93E-38
Allergic asthma	BCL2L1	cg13852791	rs6058259	G	A	0.931	0.023	0.271	<1E-200	0.009	0.014	0.544	0.314	1693.159	TRUE	<1E-200
Allergic asthma	BCL2L1	cg13852791	rs6058513	C	G	0.239	0.026	0.264	1.04E-19	-0.001	0.015	0.941	0.022	82.494	TRUE	2.82E-19
Allergic asthma	BCL2L1	cg13852791	rs6087803	C	T	-0.318	0.055	0.046	7.63E-09	-0.053	0.027	0.052	0.009	33.350	TRUE	3.90E-08
Allergic asthma	BCL2L1	cg13852791	rs6089101	A	G	-0.226	0.024	0.353	1.97E-20	-0.012	0.014	0.394	0.023	85.777	TRUE	1.31E-19
Allergic asthma	BCL2L1	cg13852791	rs7270565	T	C	0.639	0.056	0.043	3.05E-30	-0.005	0.023	0.841	0.034	130.518	TRUE	2.24E-29
Allergic asthma	BCL2L1	cg13852791	rs73612002	A	G	0.627	0.042	0.085	1.29E-50	0.021	0.022	0.339	0.057	223.749	TRUE	3.15E-48
Allergic asthma	BCL2L1	cg13852791	rs76386673	A	T	-0.192	0.034	0.142	1.95E-08	-0.026	0.021	0.212	0.008	31.528	TRUE	5.99E-08
Allergic asthma	BCL2L1	cg13989999	rs141235157	G	A	0.383	0.064	0.034	2.33E-09	-0.015	0.025	0.539	0.010	35.655	TRUE	5.03E-09
Allergic asthma	BCL2L1	cg13989999	rs6059440	A	G	0.152	0.025	0.310	1.06E-09	0.005	0.014	0.743	0.010	37.194	TRUE	1.90E-09
Allergic asthma	BCL2L1	cg13989999	rs7266148	T	G	0.395	0.029	0.201	3.35E-42	-0.019	0.014	0.184	0.048	185.215	TRUE	4.87E-40
Allergic asthma	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	0.050	0.014	3.08E-04	0.027	101.937	TRUE	1.28E-21
Allergic asthma	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	0.012	0.015	0.407	0.008	29.870	TRUE	1.03E-07
Allergic asthma	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	-0.019	0.026	0.452	0.009	33.922	TRUE	1.31E-08
Allergic asthma	BLK	cg13440894	rs1478901	C	G	-0.182	0.029	0.268	4.11E-10	0.038	0.015	0.013	0.010	39.039	TRUE	3.71E-09
Allergic asthma	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	0.017	0.014	0.209	0.076	306.232	TRUE	9.08E-65
Allergic asthma	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	0.051	0.018	0.005	0.048	184.887	TRUE	5.82E-39
Allergic asthma	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	0.032	0.015	0.038	0.010	36.822	TRUE	7.96E-09
Allergic asthma	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	0.025	0.014	0.074	0.008	30.918	TRUE	1.15E-07
Allergic asthma	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	0.031	0.015	0.036	0.012	43.872	TRUE	2.71E-10
Allergic asthma	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	-0.041	0.014	0.003	0.013	48.071	TRUE	7.45E-11
Allergic asthma	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	-0.046	0.014	8.20E-04	0.017	62.186	TRUE	1.25E-13
Allergic asthma	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	-0.061	0.042	0.147	0.010	37.546	TRUE	3.60E-09

Allergic asthma	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	-0.015	0.021	0.467	0.013	47.879	TRUE	1.30E-11
Allergic asthma	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	0.025	0.018	0.154	0.013	47.025	TRUE	3.46E-11
Allergic asthma	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	0.038	0.015	0.015	0.017	62.911	TRUE	3.92E-14
Allergic asthma	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	0.008	0.016	0.622	0.027	101.312	TRUE	4.61E-23
Allergic asthma	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	-0.034	0.018	0.054	0.030	114.133	TRUE	5.42E-25
Allergic asthma	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	-0.030	0.017	0.069	0.021	79.694	TRUE	6.91E-18
Allergic asthma	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	-0.005	0.014	0.737	0.013	50.075	TRUE	3.17E-12
Allergic asthma	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	0.042	0.015	0.004	0.012	45.214	TRUE	2.52E-10
Allergic asthma	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	0.033	0.016	0.043	0.021	78.194	TRUE	1.75E-17
Allergic asthma	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	0.003	0.015	0.832	0.016	61.159	TRUE	1.18E-14
Allergic asthma	BLK	cg21175976	rs13264636	G	C	-0.233	0.030	0.204	9.59E-15	-0.040	0.017	0.023	0.016	59.946	TRUE	1.39E-13
Allergic asthma	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	-0.036	0.022	0.111	0.011	42.259	TRUE	4.03E-10
Allergic asthma	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	0.007	0.016	0.640	0.009	34.087	TRUE	9.90E-09
Allergic asthma	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	0.024	0.014	0.083	0.141	608.856	TRUE	8.03E-124
Allergic asthma	BLK	cg21175976	rs2572410	T	A	-0.212	0.026	0.386	1.34E-16	-0.023	0.014	0.097	0.018	68.349	TRUE	1.39E-15
Allergic asthma	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	-0.059	0.014	3.01E-05	0.038	145.697	TRUE	3.62E-30
Allergic asthma	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	-0.021	0.022	0.343	0.013	48.152	TRUE	1.36E-11
Allergic asthma	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	-0.030	0.016	0.067	0.013	49.026	TRUE	1.82E-11
Allergic asthma	BLK	cg21175976	rs4455790	C	G	-0.226	0.028	0.262	8.96E-16	-0.007	0.018	0.700	0.017	64.613	TRUE	2.53E-15
Allergic asthma	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.014	0.025	0.579	0.012	43.981	TRUE	7.73E-11
Allergic asthma	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	-0.028	0.020	0.171	0.012	44.584	TRUE	1.09E-10
Allergic asthma	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	0.041	0.015	0.004	0.032	121.653	TRUE	4.86E-26
Allergic asthma	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	-0.051	0.019	0.007	0.010	38.906	TRUE	4.57E-09
Allergic asthma	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.059	0.023	0.011	0.010	37.442	TRUE	8.16E-09
Allergic asthma	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	0.014	0.017	0.407	0.009	34.590	TRUE	9.93E-09
Allergic asthma	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	0.060	0.025	0.015	0.014	53.379	TRUE	3.67E-12
Allergic asthma	BLK	cg21175976	rs77613642	G	C	-0.283	0.048	0.072	5.03E-09	-0.054	0.034	0.115	0.009	34.160	TRUE	2.06E-08
Allergic asthma	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	-0.042	0.022	0.051	0.018	67.107	TRUE	3.34E-15
Allergic asthma	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	-0.029	0.017	0.088	0.023	87.887	TRUE	1.20E-19
Allergic asthma	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	-0.006	0.026	0.825	0.009	34.222	TRUE	7.79E-09
Allergic asthma	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	0.001	0.016	0.967	0.011	42.145	TRUE	1.29E-10
Allergic asthma	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	-0.021	0.017	0.218	0.012	46.067	TRUE	4.74E-11
Allergic asthma	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	-0.028	0.015	0.068	0.021	80.540	TRUE	4.64E-18
Allergic asthma	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	0.024	0.015	0.115	0.027	102.289	TRUE	1.03E-22
Allergic asthma	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	-0.041	0.014	0.003	0.012	43.795	TRUE	5.65E-10
Allergic asthma	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	-0.035	0.017	0.044	0.018	66.563	TRUE	4.58E-15
Allergic asthma	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	0.034	0.016	0.030	0.020	75.040	TRUE	9.21E-17
Allergic asthma	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	0.042	0.015	0.006	0.024	90.407	TRUE	1.13E-19
Allergic asthma	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	-0.027	0.016	0.101	0.313	1684.549	TRUE	<1E-200
Allergic asthma	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	-0.014	0.019	0.481	0.027	101.718	TRUE	4.86E-23
Allergic asthma	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	-0.019	0.018	0.299	0.017	65.056	TRUE	3.79E-15
Allergic asthma	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	0.016	0.016	0.325	0.008	31.632	TRUE	4.78E-08

Allergic asthma	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	0.039	0.026	0.132	0.009	31.997	TRUE	5.65E-08
Allergic asthma	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	-0.008	0.021	0.695	0.013	50.138	TRUE	3.22E-12
Allergic asthma	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	-0.020	0.018	0.272	0.014	52.632	TRUE	1.71E-12
Allergic asthma	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	-0.027	0.017	0.115	0.014	53.975	TRUE	1.34E-12
Allergic asthma	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.023	0.015	0.126	0.026	98.423	TRUE	6.24E-22
Allergic asthma	BLK	cg21701351	rs28446662	A	T	-0.199	0.031	0.222	2.44E-10	0.036	0.014	0.013	0.011	40.053	TRUE	2.26E-09
Allergic asthma	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	0.021	0.017	0.232	0.033	127.369	TRUE	3.82E-28
Allergic asthma	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	0.026	0.015	0.085	0.032	120.724	TRUE	1.81E-26
Allergic asthma	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	-0.041	0.023	0.079	0.019	70.592	TRUE	5.19E-16
Allergic asthma	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	-0.004	0.017	0.837	0.012	45.665	TRUE	2.54E-11
Allergic asthma	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	-0.027	0.024	0.261	0.014	51.508	TRUE	3.03E-12
Allergic asthma	BLK	cg21701351	rs4455790	C	G	0.290	0.028	0.262	5.83E-25	-0.007	0.018	0.700	0.028	106.407	TRUE	3.40E-24
Allergic asthma	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	0.030	0.014	0.030	0.018	67.488	TRUE	3.39E-15
Allergic asthma	BLK	cg21701351	rs4841381	G	C	0.258	0.029	0.245	8.55E-19	-0.043	0.017	0.010	0.021	78.327	TRUE	2.85E-17
Allergic asthma	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.062	0.020	0.002	0.014	52.465	TRUE	1.02E-11
Allergic asthma	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	-0.001	0.016	0.966	0.021	77.669	TRUE	2.92E-18
Allergic asthma	BLK	cg21701351	rs55718444	C	G	-0.388	0.053	0.064	1.96E-13	0.001	0.024	0.962	0.014	54.016	TRUE	3.50E-13
Allergic asthma	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	-0.056	0.031	0.069	0.020	76.906	TRUE	2.64E-17
Allergic asthma	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	-0.035	0.022	0.121	0.019	70.382	TRUE	4.67E-16
Allergic asthma	BLK	cg21701351	rs58569413	T	G	-0.377	0.056	0.064	1.21E-11	0.046	0.030	0.121	0.012	45.934	TRUE	6.51E-11
Allergic asthma	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	0.016	0.018	0.361	0.024	91.221	TRUE	1.00E-20
Allergic asthma	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	0.047	0.015	0.002	0.012	43.998	TRUE	5.41E-10
Allergic asthma	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	-0.062	0.017	3.11E-04	0.017	65.111	TRUE	4.00E-14
Allergic asthma	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	-0.043	0.018	0.015	0.042	160.723	TRUE	2.77E-34
Allergic asthma	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	0.033	0.026	0.205	0.014	52.494	TRUE	2.12E-12
Allergic asthma	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	-0.029	0.027	0.285	0.021	79.437	TRUE	3.59E-18
Allergic asthma	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	0.047	0.018	0.010	0.018	66.131	TRUE	9.57E-15
Allergic asthma	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	-0.042	0.020	0.039	0.027	102.454	TRUE	1.68E-22
Allergic asthma	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.058	0.023	0.012	0.011	42.171	TRUE	8.34E-10
Allergic asthma	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	-0.057	0.019	0.002	0.032	123.931	TRUE	2.23E-26
Allergic asthma	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	-0.034	0.018	0.055	0.012	44.452	TRUE	1.78E-10
Allergic asthma	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	0.049	0.028	0.078	0.009	31.730	TRUE	7.63E-08
Allergic asthma	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	-0.036	0.014	0.011	0.044	170.418	TRUE	3.47E-36
Allergic asthma	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	-0.025	0.014	0.068	0.012	45.211	TRUE	1.15E-10
Allergic asthma	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	-0.052	0.016	0.001	0.039	148.483	TRUE	2.73E-31
Allergic asthma	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	0.053	0.014	1.18E-04	0.051	200.249	TRUE	2.35E-41
Allergic asthma	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	-0.074	0.024	0.002	0.010	38.234	TRUE	8.22E-09
Allergic asthma	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	0.054	0.027	0.042	0.011	40.412	TRUE	1.37E-09
Allergic asthma	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	0.030	0.014	0.029	0.013	49.589	TRUE	1.85E-11
Allergic asthma	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	-0.052	0.019	0.007	0.012	43.132	TRUE	6.17E-10
Allergic asthma	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	0.052	0.028	0.070	0.008	30.237	TRUE	1.63E-07
Allergic asthma	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	0.018	0.015	0.208	0.010	36.761	TRUE	4.61E-09

Allergic asthma	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	-0.003	0.017	0.861	0.008	31.210	TRUE	3.43E-08
Allergic asthma	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	0.004	0.014	0.772	0.011	40.072	TRUE	4.39E-10
Allergic asthma	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	-0.011	0.018	0.542	0.009	33.408	TRUE	1.53E-08
Allergic asthma	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	-0.017	0.026	0.514	0.009	33.283	TRUE	1.68E-08
Allergic asthma	BLK	cg24861686	rs77094521	T	A	-0.243	0.044	0.096	3.27E-08	0.048	0.027	0.073	0.008	30.523	TRUE	1.40E-07
Allergic asthma	BLK	cg24861686	rs7815495	A	T	0.199	0.032	0.195	2.93E-10	-0.034	0.020	0.087	0.011	39.699	TRUE	1.53E-09
Allergic asthma	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	0.005	0.014	0.730	0.011	41.209	TRUE	2.60E-10
Allergic asthma	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	0.017	0.014	0.208	0.084	338.185	TRUE	3.36E-71
Allergic asthma	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	-0.045	0.014	8.60E-04	0.010	35.609	TRUE	3.38E-08
Allergic asthma	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	-0.039	0.015	0.008	0.012	43.482	TRUE	4.99E-10
Allergic asthma	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	-0.008	0.021	0.695	0.013	47.868	TRUE	9.90E-12
Allergic asthma	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	-0.038	0.017	0.021	0.010	36.675	TRUE	1.01E-08
Allergic asthma	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	0.045	0.016	0.007	0.011	40.391	TRUE	2.27E-09
Allergic asthma	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	0.047	0.018	0.010	0.025	93.325	TRUE	2.33E-20
Allergic asthma	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	-0.047	0.016	0.003	0.016	59.780	TRUE	2.91E-13
Allergic asthma	BMF	cg02313495	rs112777220	T	A	-0.437	0.050	0.058	1.09E-18	-0.062	0.028	0.031	0.021	77.848	TRUE	2.38E-17
Allergic asthma	BMF	cg02313495	rs34079741	G	A	0.195	0.023	0.453	1.01E-16	0.000	0.014	0.989	0.018	68.914	TRUE	2.12E-16
Allergic asthma	BMF	cg02313495	rs34231574	T	C	-1.079	0.015	0.477	<1E-200	-0.042	0.014	0.003	0.570	4905.019	TRUE	<1E-200
Allergic asthma	BMF	cg02313495	rs489508	A	G	-0.153	0.024	0.414	1.88E-10	-0.029	0.014	0.036	0.011	40.562	TRUE	1.33E-09
Allergic asthma	BMF	cg02313495	rs648289	C	T	0.182	0.024	0.416	3.67E-14	0.001	0.014	0.942	0.015	57.306	TRUE	7.00E-14
Allergic asthma	BMF	cg02313495	rs8042947	G	A	-0.175	0.026	0.259	3.87E-11	0.014	0.015	0.377	0.012	43.652	TRUE	1.18E-10
Allergic asthma	BMF	cg07712904	rs34245505	G	C	0.184	0.029	0.204	4.17E-10	-0.023	0.018	0.191	0.010	39.008	TRUE	1.59E-09
Allergic asthma	BMF	cg07712904	rs3784394	C	T	-0.145	0.023	0.500	3.34E-10	0.004	0.014	0.764	0.011	39.441	TRUE	6.07E-10
Allergic asthma	BMF	cg07712904	rs569539	A	G	-0.501	0.025	0.285	4.02E-87	0.024	0.014	0.077	0.096	391.231	TRUE	2.63E-81
Allergic asthma	BMF	cg07712904	rs62018159	A	G	0.261	0.029	0.201	3.00E-19	-0.038	0.017	0.027	0.021	80.397	TRUE	7.41E-18
Allergic asthma	BMF	cg07887985	rs539846	T	G	0.150	0.024	0.483	2.23E-10	0.040	0.014	0.003	0.011	40.232	TRUE	2.87E-09
Allergic asthma	BMF	cg09587957	rs11631335	A	G	-0.146	0.026	0.299	1.31E-08	0.030	0.014	0.028	0.009	32.297	TRUE	7.67E-08
Allergic asthma	BMF	cg09587957	rs4924423	T	G	-0.218	0.028	0.239	5.87E-15	0.022	0.016	0.175	0.016	60.910	TRUE	3.82E-14
Allergic asthma	BMF	cg09587957	rs8023845	T	G	0.427	0.029	0.198	2.26E-49	-0.036	0.017	0.041	0.056	218.058	TRUE	2.99E-46
Allergic asthma	BMF	cg09749364	rs11637681	G	A	0.177	0.026	0.284	1.11E-11	-0.026	0.017	0.118	0.012	46.091	TRUE	6.10E-11
Allergic asthma	BMF	cg17809595	rs569539	A	G	0.155	0.026	0.285	1.32E-09	0.024	0.014	0.077	0.010	36.757	TRUE	6.63E-09
Allergic asthma	BMF	cg18494902	rs112777220	T	A	-0.295	0.050	0.058	2.90E-09	-0.062	0.028	0.031	0.009	35.233	TRUE	1.82E-08
Allergic asthma	BMF	cg18494902	rs12441486	A	G	0.391	0.065	0.038	1.72E-09	0.036	0.022	0.107	0.010	36.247	TRUE	7.61E-09
Allergic asthma	BMF	cg18494902	rs12909145	C	T	0.141	0.024	0.448	2.27E-09	0.001	0.014	0.940	0.010	35.706	TRUE	3.33E-09
Allergic asthma	BMF	cg23895262	rs56143280	A	G	0.148	0.026	0.292	6.25E-09	0.021	0.015	0.150	0.009	33.737	TRUE	2.30E-08
Allergic asthma	BMF	cg23895262	rs648289	C	T	0.261	0.024	0.416	7.48E-28	0.001	0.014	0.942	0.031	119.603	TRUE	3.77E-27
Allergic asthma	BMF	cg26662201	rs34231574	T	C	-0.149	0.024	0.477	3.38E-10	-0.042	0.014	0.003	0.011	39.419	TRUE	4.45E-09
Allergic asthma	BMP4	cg01873886	rs112534797	T	G	0.471	0.059	0.043	1.02E-15	0.037	0.034	0.282	0.017	64.358	TRUE	5.52E-15
Allergic asthma	BMP4	cg01873886	rs8014071	G	A	0.303	0.024	0.396	2.31E-36	0.017	0.014	0.226	0.041	158.495	TRUE	1.34E-34
Allergic asthma	BMP4	cg05923197	rs117687204	A	G	-0.179	0.030	0.192	1.51E-09	0.011	0.022	0.601	0.010	36.508	TRUE	3.08E-09
Allergic asthma	BMP4	cg05923197	rs12892676	T	C	-0.144	0.025	0.348	1.03E-08	-0.013	0.015	0.387	0.009	32.758	TRUE	2.52E-08
Allergic asthma	BMP4	cg05923197	rs7154598	T	C	-0.295	0.024	0.457	1.21E-35	-0.016	0.014	0.225	0.040	155.206	TRUE	6.46E-34

Allergic asthma	BMP4	cg05923197	rs74860610	G	A	-0.398	0.060	0.039	2.50E-11	-0.014	0.036	0.691	0.012	44.507	TRUE	5.27E-11
Allergic asthma	BMP4	cg05928290	rs74860610	G	A	-0.370	0.060	0.039	5.60E-10	-0.014	0.036	0.691	0.010	38.435	TRUE	1.08E-09
Allergic asthma	BMP4	cg05928290	rs75175834	C	T	-0.163	0.030	0.193	3.78E-08	0.011	0.022	0.617	0.008	30.242	TRUE	6.92E-08
Allergic asthma	BMP4	cg08046044	rs112534797	T	G	0.376	0.059	0.043	1.77E-10	0.037	0.034	0.282	0.011	40.686	TRUE	5.87E-10
Allergic asthma	BMP4	cg08046044	rs8014071	G	A	0.214	0.024	0.396	1.22E-18	0.017	0.014	0.226	0.021	77.621	TRUE	1.00E-17
Allergic asthma	BMP4	cg09367901	rs942316	A	C	-0.525	0.096	0.034	3.84E-08	-0.006	0.035	0.858	0.008	30.212	TRUE	5.68E-08
Allergic asthma	BMP4	cg20297199	rs12895262	A	T	0.231	0.042	0.081	4.86E-08	-0.004	0.032	0.908	0.008	29.757	TRUE	6.85E-08
Allergic asthma	BMP4	cg24526899	rs7154598	T	C	-0.161	0.024	0.457	1.72E-11	-0.016	0.014	0.225	0.012	45.247	TRUE	6.98E-11
Allergic asthma	BMP4	cg24526899	rs75175834	C	T	-0.166	0.030	0.193	1.84E-08	0.011	0.022	0.617	0.008	31.636	TRUE	3.44E-08
Allergic asthma	BOK	cg00318320	rs115230843	T	C	0.550	0.096	0.017	9.60E-09	-0.037	0.035	0.303	0.009	32.903	TRUE	2.63E-08
Allergic asthma	BOK	cg22999099	rs113344275	T	C	-0.513	0.059	0.040	1.86E-18	-0.011	0.046	0.808	0.020	76.790	TRUE	5.54E-18
Allergic asthma	BOK	cg22999099	rs12695002	C	T	0.333	0.024	0.422	3.57E-45	-0.003	0.014	0.855	0.051	198.825	TRUE	1.18E-43
Allergic asthma	BOK	cg22999099	rs142730039	G	A	-0.869	0.092	0.032	3.54E-21	0.039	0.028	0.168	0.024	89.167	TRUE	4.54E-20
Allergic asthma	BOK	cg22999099	rs35904111	C	G	0.342	0.055	0.108	6.38E-10	0.046	0.023	0.046	0.010	38.180	TRUE	3.92E-09
Allergic asthma	BOK	cg22999099	rs4675930	T	C	0.307	0.041	0.229	6.84E-14	-0.019	0.015	0.196	0.015	56.083	TRUE	3.77E-13
Allergic asthma	BOK	cg22999099	rs62191342	G	C	0.240	0.039	0.249	1.24E-09	-0.022	0.015	0.139	0.010	36.891	TRUE	5.06E-09
Allergic asthma	BOK	cg22999099	rs6757649	A	G	-0.163	0.023	0.449	3.36E-12	0.016	0.014	0.238	0.013	48.442	TRUE	1.42E-11
Allergic asthma	BOK	cg22999099	rs7420703	C	T	-1.170	0.030	0.137	<1E-200	0.056	0.019	0.003	0.292	1524.014	TRUE	4.81E-286
Allergic asthma	BOK	cg22999099	rs7424328	C	T	-0.266	0.035	0.453	1.73E-14	0.005	0.014	0.716	0.016	58.789	TRUE	4.37E-14
Allergic asthma	BOK	cg22999099	rs75289375	T	C	-0.769	0.057	0.051	6.64E-41	0.072	0.054	0.184	0.046	179.276	TRUE	8.16E-39
Allergic asthma	BOK	cg23959977	rs10168241	A	G	-0.282	0.049	0.135	9.18E-09	-0.031	0.024	0.199	0.009	32.989	TRUE	2.99E-08
Allergic asthma	BOK	cg23959977	rs13015179	G	A	-0.444	0.030	0.187	3.31E-49	0.017	0.022	0.443	0.055	217.301	TRUE	4.81E-47
Allergic asthma	BOK	cg23959977	rs13423154	T	C	-0.174	0.024	0.357	6.44E-13	0.025	0.014	0.081	0.014	51.680	TRUE	4.71E-12
Allergic asthma	BOK	cg23959977	rs142708184	G	C	-0.599	0.103	0.029	5.77E-09	-0.074	0.061	0.227	0.009	33.891	TRUE	1.82E-08
Allergic asthma	BOK	cg23959977	rs142730039	G	A	-0.646	0.092	0.032	2.85E-12	0.039	0.028	0.168	0.013	48.763	TRUE	1.43E-11
Allergic asthma	BOK	cg23959977	rs36030965	A	C	-1.027	0.033	0.137	9.29E-219	0.056	0.019	0.003	0.212	996.179	TRUE	3.80E-194
Allergic asthma	BOK	cg23959977	rs56390343	A	C	-0.368	0.025	0.303	1.82E-47	0.010	0.014	0.481	0.054	209.330	TRUE	1.90E-45
Allergic asthma	BOK	cg23959977	rs62191342	G	C	0.243	0.039	0.249	7.78E-10	-0.022	0.015	0.139	0.010	37.795	TRUE	3.25E-09
Allergic asthma	BOK	cg23959977	rs62193476	A	G	0.396	0.035	0.354	3.74E-29	0.006	0.014	0.690	0.033	125.544	TRUE	3.23E-28
Allergic asthma	BOK	cg23959977	rs73014018	A	G	-0.187	0.029	0.215	5.98E-11	-0.012	0.018	0.520	0.011	42.803	TRUE	1.49E-10
Allergic asthma	BOK	cg23959977	rs7369408	A	G	0.232	0.028	0.221	4.92E-17	-0.047	0.018	0.009	0.019	70.331	TRUE	1.32E-15
Allergic asthma	BOK	cg23959977	rs7424328	C	T	-0.282	0.035	0.453	3.64E-16	0.005	0.014	0.716	0.018	66.385	TRUE	1.04E-15
Allergic asthma	BOK	cg23959977	rs75289375	T	C	-0.596	0.058	0.051	5.60E-25	0.072	0.054	0.184	0.028	106.489	TRUE	1.02E-23
Allergic asthma	BOK	cg23959977	rs75629307	T	C	-0.358	0.042	0.080	2.11E-17	-0.030	0.027	0.269	0.019	71.998	TRUE	1.38E-16
Allergic asthma	BOK	cg23959977	rs7601000	T	A	0.326	0.040	0.231	3.33E-16	0.007	0.016	0.655	0.018	66.559	TRUE	1.03E-15
Allergic asthma	BOK	cg24436906	rs115230843	T	C	0.556	0.096	0.017	6.60E-09	-0.037	0.035	0.303	0.009	33.631	TRUE	1.83E-08
Allergic asthma	BOK	cg24436906	rs13423154	T	C	-0.197	0.024	0.357	3.79E-16	0.025	0.014	0.081	0.018	66.307	TRUE	4.04E-15
Allergic asthma	BOK	cg24828208	rs12695002	C	T	0.168	0.024	0.422	1.71E-12	-0.003	0.014	0.855	0.013	49.767	TRUE	3.24E-12
Allergic asthma	C1orf200	cg07793148	rs4477280	A	G	-0.308	0.024	0.388	3.15E-38	-0.028	0.013	0.035	0.043	167.029	TRUE	8.76E-36
Allergic asthma	C1orf200	cg14989202	rs7518793	C	T	-0.172	0.029	0.215	1.70E-09	-0.002	0.015	0.917	0.010	36.269	TRUE	2.57E-09
Allergic asthma	C1orf200	cg16597045	rs7518602	C	T	-0.163	0.024	0.392	7.66E-12	-0.029	0.013	0.033	0.013	46.826	TRUE	6.69E-11
Allergic asthma	C9orf139	cg21120249	rs12337910	G	A	0.310	0.043	0.086	2.93E-13	-0.061	0.025	0.017	0.014	53.228	TRUE	3.84E-12

Allergic asthma	C9orf139	cg21120249	rs4880189	A	G	-0.288	0.026	0.282	8.94E-29	-0.010	0.015	0.518	0.032	123.815	TRUE	1.03E-27
Allergic asthma	CALCOCO2	cg02753187	rs575556	A	C	-0.158	0.025	0.346	1.29E-10	0.014	0.014	0.338	0.011	41.303	TRUE	3.96E-10
Allergic asthma	CALCOCO2	cg04154812	rs606911	A	G	-0.188	0.033	0.156	1.15E-08	-0.040	0.018	0.028	0.009	32.552	TRUE	6.83E-08
Allergic asthma	CALCOCO2	cg15022609	rs12602595	T	C	-0.342	0.024	0.397	1.14E-46	-0.018	0.014	0.202	0.053	205.675	TRUE	2.78E-44
Allergic asthma	CALCOCO2	cg15022609	rs147069987	G	A	0.617	0.073	0.026	1.90E-17	-0.065	0.050	0.199	0.019	72.211	TRUE	1.49E-16
Allergic asthma	CALCOCO2	cg15022609	rs2256020	C	T	-0.172	0.031	0.192	2.53E-08	-0.040	0.016	0.010	0.008	31.018	TRUE	1.81E-07
Allergic asthma	CALCOCO2	cg15022609	rs35895680	A	C	0.415	0.025	0.318	8.92E-60	0.036	0.015	0.015	0.067	265.748	TRUE	1.28E-55
Allergic asthma	CALCOCO2	cg15022609	rs4622554	T	A	-0.159	0.025	0.355	8.49E-11	0.018	0.015	0.224	0.011	42.119	TRUE	3.23E-10
Allergic asthma	CALCOCO2	cg15022609	rs4794017	A	G	0.185	0.025	0.330	1.71E-13	-0.001	0.015	0.971	0.014	54.281	TRUE	3.04E-13
Allergic asthma	CALCOCO2	cg15022609	rs576389	C	T	0.971	0.017	0.474	<1E-200	-0.010	0.014	0.480	0.473	3325.740	TRUE	<1E-200
Allergic asthma	CALCOCO2	cg15022609	rs585736	A	G	0.677	0.066	0.031	1.29E-24	0.052	0.035	0.137	0.028	104.841	TRUE	2.72E-23
Allergic asthma	CALCOCO2	cg15022609	rs60208793	A	G	-0.347	0.042	0.090	8.45E-17	0.043	0.026	0.101	0.018	69.265	TRUE	8.76E-16
Allergic asthma	CALCOCO2	cg15022609	rs61745934	T	C	0.575	0.084	0.021	8.68E-12	-0.037	0.046	0.426	0.012	46.580	TRUE	2.60E-11
Allergic asthma	CALCOCO2	cg15022609	rs62064572	A	G	-0.378	0.039	0.104	1.74E-22	-0.013	0.022	0.555	0.025	95.125	TRUE	1.04E-21
Allergic asthma	CALCOCO2	cg15022609	rs668246	A	G	-0.530	0.047	0.062	6.16E-29	-0.026	0.025	0.295	0.033	124.555	TRUE	1.21E-27
Allergic asthma	CALCOCO2	cg15022609	rs72831851	A	G	0.689	0.077	0.027	4.93E-19	-0.063	0.030	0.035	0.021	79.413	TRUE	1.06E-17
Allergic asthma	CALCOCO2	cg15022609	rs72831898	A	G	-0.489	0.035	0.131	4.98E-45	0.077	0.019	8.30E-05	0.051	198.163	TRUE	7.07E-41
Allergic asthma	CALCOCO2	cg15022609	rs78228532	A	C	-0.334	0.042	0.088	1.23E-15	-0.014	0.019	0.473	0.017	63.981	TRUE	4.74E-15
Allergic asthma	CALCOCO2	cg15022609	rs78873483	A	G	0.534	0.057	0.105	1.59E-20	0.029	0.021	0.179	0.023	86.193	TRUE	1.83E-19
Allergic asthma	CALCOCO2	cg15022609	rs79235862	A	G	0.592	0.077	0.022	1.30E-14	-0.090	0.040	0.026	0.016	59.345	TRUE	1.79E-13
Allergic asthma	CALCOCO2	cg15022609	rs8074177	A	G	0.195	0.030	0.187	6.02E-11	0.052	0.019	0.006	0.011	42.791	TRUE	7.36E-10
Allergic asthma	CALCOCO2	cg15022609	rs9899950	T	C	0.399	0.050	0.062	1.40E-15	0.017	0.028	0.554	0.017	63.734	TRUE	4.74E-15
Allergic asthma	CALCOCO2	cg20396069	rs178467	G	A	0.215	0.032	0.166	2.02E-11	-0.039	0.018	0.029	0.012	44.922	TRUE	1.74E-10
Allergic asthma	CALCOCO2	cg20396069	rs78293062	T	C	-0.361	0.065	0.032	3.42E-08	-0.022	0.029	0.447	0.008	30.436	TRUE	7.46E-08
Allergic asthma	CALCOCO2	cg27530239	rs688945	T	C	0.138	0.024	0.443	4.04E-09	-0.008	0.014	0.558	0.009	34.586	TRUE	8.39E-09
Allergic asthma	CAMKK2	cg03865604	rs1109453	A	G	-0.147	0.025	0.322	2.31E-09	0.004	0.015	0.781	0.010	35.671	TRUE	3.93E-09
Allergic asthma	CAMKK2	cg04615865	rs2686341	T	C	-0.163	0.024	0.479	4.61E-12	-0.023	0.014	0.086	0.013	47.819	TRUE	2.98E-11
Allergic asthma	CAMKK2	cg06150302	rs2686342	T	A	-0.265	0.029	0.206	2.43E-20	-0.019	0.019	0.324	0.023	85.357	TRUE	1.87E-19
Allergic asthma	CAMKK2	cg12590521	rs1653595	G	A	-0.170	0.027	0.239	4.14E-10	-0.010	0.017	0.572	0.010	39.025	TRUE	9.10E-10
Allergic asthma	CAMKK2	cg12590521	rs2686341	T	C	-0.193	0.024	0.479	2.87E-16	-0.023	0.014	0.086	0.018	66.857	TRUE	3.01E-15
Allergic asthma	CAMKK2	cg14504499	rs1109453	A	G	-0.211	0.025	0.322	2.54E-17	0.004	0.015	0.781	0.019	71.637	TRUE	7.22E-17
Allergic asthma	CAMKK2	cg14504499	rs17526121	T	A	-0.232	0.042	0.086	3.27E-08	-0.014	0.018	0.447	0.008	30.521	TRUE	7.15E-08
Allergic asthma	CAMKK2	cg14504499	rs2001701	A	G	-0.701	0.073	0.033	6.19E-22	0.033	0.029	0.246	0.024	92.615	TRUE	6.74E-21
Allergic asthma	CAMKK2	cg14504499	rs3850518	A	G	0.156	0.028	0.234	2.24E-08	0.037	0.018	0.038	0.008	31.261	TRUE	1.17E-07
Allergic asthma	CAMKK2	cg16942632	rs147798098	T	C	-0.297	0.037	0.113	2.16E-15	0.011	0.020	0.587	0.017	62.875	TRUE	6.91E-15
Allergic asthma	CAMKK2	cg16942632	rs78772517	C	G	0.564	0.046	0.069	1.34E-34	-0.104	0.044	0.019	0.039	150.423	TRUE	3.19E-32
Allergic asthma	CAMKK2	cg16942632	rs7964571	T	C	-0.259	0.025	0.325	1.81E-25	0.002	0.015	0.895	0.029	108.722	TRUE	8.10E-25
Allergic asthma	CAMKK2	cg17541002	rs11610379	T	C	0.366	0.060	0.034	1.27E-09	-0.007	0.029	0.819	0.010	36.835	TRUE	2.12E-09
Allergic asthma	CAMKK2	cg17541002	rs11615578	T	C	0.418	0.027	0.243	1.81E-54	0.017	0.016	0.279	0.061	241.419	TRUE	9.51E-52
Allergic asthma	CAMKK2	cg17541002	rs116881341	A	G	0.638	0.098	0.016	6.97E-11	-0.014	0.056	0.804	0.011	42.504	TRUE	1.27E-10
Allergic asthma	CAMKK2	cg17541002	rs116953937	G	C	1.094	0.149	0.011	2.35E-13	-0.057	0.078	0.460	0.014	53.661	TRUE	7.61E-13
Allergic asthma	CAMKK2	cg17541002	rs2071271	T	C	0.167	0.025	0.297	5.64E-11	-0.003	0.014	0.812	0.011	42.917	TRUE	1.02E-10

Allergic asthma	CAMKK2	cg17541002	rs2686338	A	G	-0.183	0.029	0.204	3.91E-10	-0.019	0.019	0.320	0.010	39.135	TRUE	1.18E-09
Allergic asthma	CAMKK2	cg17541002	rs35379941	T	A	0.200	0.032	0.157	3.19E-10	-0.040	0.021	0.053	0.011	39.531	TRUE	1.95E-09
Allergic asthma	CAMKK2	cg17541002	rs79623919	T	C	0.194	0.026	0.255	1.62E-13	-0.002	0.014	0.878	0.014	54.392	TRUE	3.19E-13
Allergic asthma	CAMKK2	cg21858483	rs11609701	T	C	-0.353	0.054	0.094	5.16E-11	-0.024	0.025	0.318	0.012	43.091	TRUE	1.70E-10
Allergic asthma	CAMKK2	cg21858483	rs1169809	A	G	0.221	0.025	0.289	2.92E-18	-0.028	0.014	0.047	0.020	75.901	TRUE	5.06E-17
Allergic asthma	CAMKK2	cg21858483	rs140031782	A	G	0.348	0.061	0.033	1.37E-08	-0.015	0.029	0.599	0.009	32.215	TRUE	2.63E-08
Allergic asthma	CAMKK2	cg21858483	rs2567979	T	G	-0.192	0.031	0.174	5.97E-10	-0.001	0.016	0.951	0.010	38.311	TRUE	8.93E-10
Allergic asthma	CAMKK2	cg21858483	rs2686344	T	C	-0.219	0.027	0.247	1.49E-15	-0.022	0.018	0.220	0.017	63.614	TRUE	9.13E-15
Allergic asthma	CAMKK2	cg21858483	rs28360477	T	C	0.366	0.055	0.050	2.65E-11	-0.116	0.072	0.110	0.012	44.399	TRUE	1.43E-10
Allergic asthma	CAMKK2	cg21858483	rs3886929	C	A	0.263	0.041	0.090	1.10E-10	0.006	0.034	0.870	0.011	41.616	TRUE	1.85E-10
Allergic asthma	CAMKK2	cg21858483	rs9805130	A	G	0.563	0.023	0.402	2.25E-131	-0.006	0.014	0.684	0.138	594.493	TRUE	1.15E-122
Allergic asthma	CAMKK2	cg23235876	rs2001701	A	G	-0.417	0.073	0.033	1.23E-08	0.033	0.029	0.246	0.009	32.415	TRUE	3.65E-08
Allergic asthma	CAMKK2	cg23383531	rs3794205	A	G	-0.224	0.025	0.307	4.59E-19	0.046	0.015	0.002	0.021	79.556	TRUE	2.54E-17
Allergic asthma	CAMKK2	cg27088822	rs28360453	T	C	-0.293	0.050	0.060	5.60E-09	-0.021	0.026	0.423	0.009	33.949	TRUE	1.34E-08
Allergic asthma	CAMKK2	cg27277183	rs12823779	A	T	-0.396	0.025	0.303	3.76E-55	0.047	0.015	0.002	0.062	244.543	TRUE	8.78E-51
Allergic asthma	CAMKK2	cg27277183	rs1653604	C	T	0.177	0.023	0.473	1.97E-14	0.006	0.014	0.668	0.016	58.528	TRUE	5.28E-14
Allergic asthma	CAMKK2	cg27277183	rs2071273	G	C	0.353	0.051	0.051	5.56E-12	-0.006	0.028	0.824	0.013	47.454	TRUE	1.06E-11
Allergic asthma	CAMKK2	cg27277183	rs208302	A	G	0.149	0.027	0.235	4.14E-08	0.008	0.016	0.614	0.008	30.068	TRUE	7.57E-08
Allergic asthma	CAMKK2	cg27277183	rs3892756	C	A	-0.228	0.040	0.094	1.44E-08	0.010	0.021	0.625	0.009	32.114	TRUE	2.69E-08
Allergic asthma	CARS	cg01104590	rs118092312	A	G	0.712	0.113	0.020	2.41E-10	0.040	0.063	0.528	0.011	40.082	TRUE	5.66E-10
Allergic asthma	CARS	cg01104590	rs2100086	G	A	0.151	0.024	0.386	3.66E-10	0.024	0.015	0.100	0.011	39.266	TRUE	1.79E-09
Allergic asthma	CARS	cg01104590	rs2237902	C	G	0.201	0.024	0.382	7.00E-17	0.037	0.014	0.008	0.018	69.636	TRUE	1.92E-15
Allergic asthma	CARS	cg01104590	rs395188	A	G	-0.212	0.023	0.493	1.43E-19	0.001	0.014	0.915	0.022	81.853	TRUE	4.00E-19
Allergic asthma	CARS	cg01104590	rs4758616	C	T	-0.140	0.024	0.396	6.27E-09	-0.011	0.014	0.454	0.009	33.731	TRUE	1.44E-08
Allergic asthma	CARS	cg01104590	rs74048783	A	C	0.954	0.039	0.090	1.76E-134	0.053	0.026	0.043	0.141	608.767	TRUE	1.91E-123
Allergic asthma	CARS	cg01104590	rs77482583	A	G	0.721	0.074	0.024	3.02E-22	0.055	0.071	0.439	0.025	94.035	TRUE	2.19E-21
Allergic asthma	CARS	cg01104590	rs7934793	G	T	0.147	0.024	0.425	1.17E-09	0.021	0.014	0.114	0.010	37.005	TRUE	5.15E-09
Allergic asthma	CARS	cg04111109	rs12418199	A	C	-0.142	0.024	0.410	2.74E-09	0.005	0.014	0.723	0.009	35.342	TRUE	4.89E-09
Allergic asthma	CARS	cg04111109	rs418832	T	C	0.329	0.024	0.400	2.26E-44	0.012	0.014	0.362	0.050	195.153	TRUE	2.23E-42
Allergic asthma	CARS	cg04111109	rs7124487	T	C	-0.184	0.030	0.161	1.47E-09	0.038	0.021	0.063	0.010	36.548	TRUE	7.83E-09
Allergic asthma	CARS	cg05729581	rs402806	G	A	-0.297	0.024	0.402	5.43E-36	0.010	0.014	0.450	0.041	156.799	TRUE	1.55E-34
Allergic asthma	CARS	cg08508325	rs10741735	A	G	0.235	0.024	0.481	3.24E-23	-0.023	0.014	0.094	0.026	98.454	TRUE	7.27E-22
Allergic asthma	CARS	cg08508325	rs10766444	T	C	-0.154	0.023	0.483	5.63E-11	-0.004	0.014	0.768	0.011	42.923	TRUE	1.07E-10
Allergic asthma	CARS	cg08508325	rs11025317	A	G	-0.569	0.036	0.118	2.06E-55	0.011	0.025	0.666	0.062	245.737	TRUE	3.82E-53
Allergic asthma	CARS	cg08508325	rs117267915	C	T	-0.481	0.079	0.039	1.31E-09	-0.006	0.037	0.871	0.010	36.778	TRUE	2.07E-09
Allergic asthma	CARS	cg08508325	rs117345724	A	G	-0.410	0.069	0.029	2.95E-09	0.035	0.041	0.395	0.009	35.199	TRUE	7.45E-09
Allergic asthma	CARS	cg08508325	rs12418199	A	C	0.154	0.024	0.410	1.59E-10	0.005	0.014	0.723	0.011	40.892	TRUE	3.07E-10
Allergic asthma	CARS	cg08508325	rs140094471	T	C	-0.342	0.038	0.114	3.79E-19	0.009	0.019	0.640	0.021	79.935	TRUE	1.50E-18
Allergic asthma	CARS	cg08508325	rs2285390	C	A	0.440	0.038	0.105	1.60E-30	-0.025	0.020	0.211	0.034	131.794	TRUE	4.94E-29
Allergic asthma	CARS	cg08508325	rs35429169	A	G	0.330	0.058	0.088	1.42E-08	0.024	0.023	0.308	0.009	32.145	TRUE	3.79E-08
Allergic asthma	CARS	cg08508325	rs61871219	T	C	0.211	0.035	0.132	1.19E-09	-0.029	0.021	0.168	0.010	36.960	TRUE	4.55E-09
Allergic asthma	CARS	cg08508325	rs756694	G	A	0.364	0.036	0.110	1.67E-23	0.042	0.023	0.070	0.026	99.770	TRUE	4.53E-22

Allergic asthma	CARS	cg08508325	rs7934793	G	T	-0.157	0.024	0.425	7.41E-11	0.021	0.014	0.114	0.011	42.383	TRUE	3.75E-10
Allergic asthma	CARS	cg14935025	rs17687673	C	T	0.618	0.040	0.088	1.29E-53	0.053	0.026	0.039	0.060	237.502	TRUE	3.48E-50
Allergic asthma	CARS	cg14935025	rs2237902	C	G	0.134	0.024	0.382	3.06E-08	0.037	0.014	0.008	0.008	30.651	TRUE	2.26E-07
Allergic asthma	CARS	cg14935025	rs395188	A	G	-0.168	0.023	0.493	7.84E-13	0.001	0.014	0.915	0.014	51.293	TRUE	1.43E-12
Allergic asthma	CARS	cg14935025	rs77482583	A	G	0.509	0.075	0.024	9.59E-12	0.055	0.071	0.439	0.012	46.385	TRUE	2.81E-11
Allergic asthma	CARS	cg14935025	rs7937865	A	G	-0.323	0.039	0.098	2.01E-16	-0.028	0.020	0.171	0.018	67.557	TRUE	1.54E-15
Allergic asthma	CARS	cg17004353	rs149566596	T	C	1.106	0.113	0.023	1.23E-22	0.017	0.074	0.815	0.025	95.809	TRUE	4.97E-22
Allergic asthma	CARS	cg17004353	rs2100086	G	A	0.180	0.024	0.386	6.29E-14	0.024	0.015	0.100	0.015	56.247	TRUE	4.74E-13
Allergic asthma	CARS	cg17004353	rs2237902	C	G	0.218	0.024	0.382	1.55E-19	0.037	0.014	0.008	0.022	81.701	TRUE	6.21E-18
Allergic asthma	CARS	cg17004353	rs395188	A	G	-0.234	0.023	0.493	1.61E-23	0.001	0.014	0.915	0.026	99.835	TRUE	6.00E-23
Allergic asthma	CARS	cg17004353	rs61871184	C	G	-0.203	0.034	0.145	1.45E-09	-0.029	0.020	0.145	0.010	36.579	TRUE	5.81E-09
Allergic asthma	CARS	cg17004353	rs74048783	A	C	0.924	0.039	0.090	8.42E-126	0.053	0.026	0.043	0.133	568.883	TRUE	8.89E-116
Allergic asthma	CARS	cg17004353	rs7934793	G	T	0.163	0.024	0.425	1.09E-11	0.021	0.014	0.114	0.012	46.142	TRUE	6.03E-11
Allergic asthma	CARS	cg17004353	rs7937865	A	G	-0.274	0.040	0.098	3.74E-12	-0.028	0.020	0.171	0.013	48.230	TRUE	1.84E-11
Allergic asthma	CARS	cg20324356	rs13390	G	A	0.177	0.030	0.188	4.06E-09	-0.026	0.018	0.141	0.009	34.575	TRUE	1.56E-08
Allergic asthma	CARS	cg20324356	rs2071103	T	C	0.393	0.024	0.400	2.23E-61	-0.017	0.015	0.242	0.069	273.092	TRUE	3.94E-58
Allergic asthma	CARS	cg20324356	rs756694	G	A	-0.200	0.037	0.110	4.69E-08	0.042	0.023	0.070	0.008	29.824	TRUE	1.99E-07
Allergic asthma	CARS	cg21875845	rs420151	G	A	0.212	0.023	0.402	8.39E-20	0.012	0.014	0.380	0.022	82.911	TRUE	5.44E-19
Allergic asthma	CARS	cg25072766	rs118092312	A	G	0.627	0.113	0.020	2.47E-08	0.040	0.063	0.528	0.008	31.067	TRUE	5.00E-08
Allergic asthma	CARS	cg25072766	rs149566596	T	C	0.952	0.113	0.023	4.39E-17	0.017	0.074	0.815	0.019	70.555	TRUE	1.18E-16
Allergic asthma	CARS	cg25072766	rs2100086	G	A	0.156	0.024	0.386	8.91E-11	0.024	0.015	0.100	0.011	42.025	TRUE	4.68E-10
Allergic asthma	CARS	cg25072766	rs2237902	C	G	0.184	0.024	0.382	2.34E-14	0.037	0.014	0.008	0.015	58.191	TRUE	4.45E-13
Allergic asthma	CARS	cg25072766	rs395188	A	G	-0.208	0.023	0.493	6.49E-19	0.001	0.014	0.915	0.021	78.871	TRUE	1.73E-18
Allergic asthma	CARS	cg25072766	rs4317969	T	G	-0.341	0.040	0.097	6.03E-18	-0.028	0.020	0.168	0.020	74.471	TRUE	5.47E-17
Allergic asthma	CARS	cg25072766	rs74048783	A	C	0.857	0.039	0.090	2.32E-107	0.053	0.026	0.043	0.116	484.170	TRUE	2.46E-99
Allergic asthma	CARS	cg25072766	rs7934793	G	T	0.133	0.024	0.425	3.38E-08	0.021	0.014	0.114	0.008	30.459	TRUE	1.26E-07
Allergic asthma	CARS	cg25174290	rs420151	G	A	0.218	0.023	0.402	1.65E-20	0.012	0.014	0.380	0.023	86.120	TRUE	1.15E-19
Allergic asthma	CASP8	cg20608990	rs1045485	C	G	0.242	0.034	0.135	1.64E-12	0.069	0.022	0.001	0.013	49.844	TRUE	3.67E-11
Allergic asthma	CASP8	cg20608990	rs113338606	T	C	0.244	0.032	0.166	1.06E-14	0.033	0.018	0.070	0.016	59.750	TRUE	1.01E-13
Allergic asthma	CASP8	cg20608990	rs114465540	G	C	0.346	0.053	0.057	8.38E-11	0.004	0.035	0.898	0.011	42.145	TRUE	1.38E-10
Allergic asthma	CASP8	cg20608990	rs12616362	T	G	-0.260	0.026	0.261	7.66E-23	0.004	0.014	0.802	0.025	96.749	TRUE	3.20E-22
Allergic asthma	CASP8	cg20608990	rs13028339	T	C	0.497	0.023	0.496	1.05E-103	0.028	0.014	0.042	0.112	467.388	TRUE	4.77E-96
Allergic asthma	CASP8	cg20608990	rs145395636	T	A	-0.452	0.082	0.022	3.22E-08	-0.040	0.055	0.471	0.008	30.556	TRUE	6.84E-08
Allergic asthma	CASP8	cg20608990	rs2540456	T	C	-0.296	0.051	0.057	6.17E-09	0.013	0.033	0.685	0.009	33.763	TRUE	1.12E-08
Allergic asthma	CASP8	cg20608990	rs34652842	G	A	-0.139	0.024	0.366	9.29E-09	-0.002	0.014	0.889	0.009	32.967	TRUE	1.38E-08
Allergic asthma	CASP8	cg20608990	rs576163194	G	A	-0.266	0.043	0.077	4.70E-10	-0.022	0.026	0.413	0.010	38.775	TRUE	1.24E-09
Allergic asthma	CASP8	cg20608990	rs72931097	C	A	-0.958	0.066	0.031	1.57E-47	-0.050	0.038	0.191	0.054	209.618	TRUE	4.54E-45
Allergic asthma	CASP8	cg20608990	rs7603014	G	T	-0.260	0.044	0.069	2.83E-09	0.004	0.028	0.877	0.009	35.278	TRUE	4.37E-09
Allergic asthma	CASP8	cg20608990	rs79224392	A	G	-0.281	0.051	0.058	2.98E-08	0.000	0.037	1.000	0.008	30.706	TRUE	3.93E-08
Allergic asthma	CASP8	cg26799474	rs111820676	T	C	-0.331	0.049	0.064	1.52E-11	-0.011	0.032	0.727	0.012	45.479	TRUE	3.13E-11
Allergic asthma	CASP8	cg26799474	rs114707766	A	G	0.447	0.080	0.040	2.18E-08	-0.014	0.054	0.798	0.008	31.312	TRUE	3.44E-08
Allergic asthma	CASP8	cg26799474	rs12620010	G	T	0.259	0.023	0.494	3.10E-28	0.024	0.014	0.071	0.032	121.351	TRUE	1.49E-26

Allergic asthma	CASP8	cg26799474	rs17383714	T	C	-0.250	0.042	0.089	2.60E-09	-0.016	0.024	0.514	0.009	35.443	TRUE	5.74E-09
Allergic asthma	CASP8	cg26799474	rs2518142	G	A	-0.219	0.040	0.085	3.51E-08	0.020	0.035	0.565	0.008	30.386	TRUE	6.77E-08
Allergic asthma	CASP8	cg26799474	rs4674520	T	C	-0.234	0.030	0.182	2.52E-15	-0.011	0.017	0.507	0.017	62.578	TRUE	8.95E-15
Allergic asthma	CASP8	cg26799474	rs59674665	G	A	0.321	0.026	0.294	5.80E-36	0.015	0.014	0.280	0.041	156.666	TRUE	2.65E-34
Allergic asthma	CASP8	cg26842802	rs6754084	T	C	0.191	0.027	0.257	8.10E-13	-0.009	0.015	0.561	0.014	51.231	TRUE	2.20E-12
Allergic asthma	CAV1	cg01265597	rs2742125	T	C	0.264	0.032	0.165	7.53E-17	0.070	0.020	5.21E-04	0.018	69.491	TRUE	4.51E-15
Allergic asthma	CAV1	cg01971483	rs56014347	T	C	0.553	0.042	0.076	3.40E-39	-0.002	0.027	0.951	0.044	171.455	TRUE	4.83E-38
Allergic asthma	CAV1	cg04474049	rs2742125	T	C	0.513	0.032	0.165	3.08E-59	0.070	0.020	5.21E-04	0.066	263.281	TRUE	2.81E-54
Allergic asthma	CAV1	cg04474049	rs7788470	C	T	0.165	0.024	0.381	4.45E-12	0.029	0.014	0.033	0.013	47.891	TRUE	4.01E-11
Allergic asthma	CAV1	cg05232628	rs4604369	T	G	-0.161	0.023	0.454	5.76E-12	0.002	0.014	0.909	0.013	47.385	TRUE	1.00E-11
Allergic asthma	CAV1	cg05232628	rs9920	C	T	-0.762	0.038	0.097	8.74E-88	-0.002	0.026	0.953	0.096	394.271	TRUE	1.32E-83
Allergic asthma	CAV1	cg05917273	rs10241283	G	A	-1.054	0.022	0.213	<1E-200	0.016	0.021	0.432	0.377	2236.723	TRUE	<1E-200
Allergic asthma	CAV1	cg05917273	rs117052851	T	A	0.465	0.080	0.049	7.18E-09	0.023	0.041	0.566	0.009	33.467	TRUE	1.45E-08
Allergic asthma	CAV1	cg05917273	rs117315991	C	G	0.466	0.075	0.029	6.32E-10	-0.014	0.052	0.789	0.010	38.200	TRUE	1.10E-09
Allergic asthma	CAV1	cg05917273	rs1180297	T	C	0.306	0.031	0.181	5.06E-23	0.066	0.020	8.02E-04	0.026	97.570	TRUE	7.43E-21
Allergic asthma	CAV1	cg05917273	rs13240764	C	T	-0.151	0.024	0.420	2.10E-10	0.007	0.014	0.611	0.011	40.353	TRUE	4.51E-10
Allergic asthma	CAV1	cg05917273	rs146410097	C	T	-1.035	0.104	0.014	3.66E-23	-0.078	0.067	0.243	0.026	98.214	TRUE	4.55E-22
Allergic asthma	CAV1	cg05917273	rs3807986	G	A	0.571	0.027	0.233	7.69E-98	0.033	0.015	0.027	0.106	440.443	TRUE	1.42E-90
Allergic asthma	CAV1	cg05917273	rs61227992	G	A	0.209	0.028	0.219	6.03E-14	-0.010	0.015	0.483	0.015	56.332	TRUE	1.98E-13
Allergic asthma	CAV1	cg05917273	rs62475241	T	C	-0.473	0.047	0.064	6.73E-24	0.019	0.030	0.515	0.027	101.565	TRUE	4.92E-23
Allergic asthma	CAV1	cg05917273	rs6955882	T	C	-1.198	0.089	0.017	2.54E-41	0.152	0.108	0.160	0.047	181.184	TRUE	3.72E-39
Allergic asthma	CAV1	cg05917273	rs6965181	A	G	-0.208	0.023	0.481	5.27E-19	0.008	0.014	0.537	0.021	79.283	TRUE	2.42E-18
Allergic asthma	CAV1	cg05917273	rs73203902	A	C	-0.249	0.039	0.103	2.21E-10	0.002	0.028	0.946	0.011	40.254	TRUE	3.39E-10
Allergic asthma	CAV1	cg05917273	rs73208115	G	A	-1.086	0.104	0.023	2.10E-25	-0.017	0.074	0.822	0.028	108.427	TRUE	1.05E-24
Allergic asthma	CAV1	cg05917273	rs73471162	T	G	-0.532	0.082	0.023	7.69E-11	0.033	0.030	0.266	0.011	42.312	TRUE	2.72E-10
Allergic asthma	CAV1	cg05917273	rs76819239	G	A	-1.111	0.078	0.024	1.57E-46	-0.048	0.049	0.327	0.053	205.034	TRUE	2.30E-44
Allergic asthma	CAV1	cg05917273	rs77308085	A	G	-1.112	0.072	0.027	8.56E-54	0.006	0.049	0.905	0.061	238.322	TRUE	7.24E-52
Allergic asthma	CAV1	cg05917273	rs77772587	G	A	-0.505	0.068	0.031	7.63E-14	0.023	0.062	0.707	0.015	55.870	TRUE	1.87E-13
Allergic asthma	CAV1	cg07838272	rs3807986	G	A	0.182	0.028	0.233	4.98E-11	0.033	0.015	0.027	0.012	43.161	TRUE	4.15E-10
Allergic asthma	CAV1	cg07838272	rs926198	C	T	0.134	0.024	0.351	3.69E-08	0.052	0.017	0.002	0.008	30.291	TRUE	3.67E-07
Allergic asthma	CAV1	cg17469978	rs3807986	G	A	0.172	0.028	0.233	6.12E-10	0.033	0.015	0.027	0.010	38.263	TRUE	4.39E-09
Allergic asthma	CAV1	cg17469978	rs926198	C	T	0.138	0.025	0.351	2.03E-08	0.052	0.017	0.002	0.008	31.446	TRUE	2.12E-07
Allergic asthma	CAV1	cg20897119	rs1883049	G	C	0.272	0.032	0.163	9.90E-18	0.073	0.020	2.92E-04	0.019	73.492	TRUE	7.98E-16
Allergic asthma	CAV1	cg24770985	rs77650741	T	G	0.687	0.111	0.028	6.89E-10	-0.028	0.049	0.571	0.010	38.031	TRUE	1.49E-09
Allergic asthma	CD70	cg22633597	rs10425142	A	G	0.260	0.031	0.179	3.63E-17	0.001	0.020	0.943	0.019	70.929	TRUE	8.32E-17
Allergic asthma	CD70	cg22633597	rs12971302	C	T	-0.460	0.025	0.314	6.21E-77	0.030	0.014	0.030	0.085	344.460	TRUE	1.28E-71
Allergic asthma	CD70	cg22633597	rs344590	T	C	-0.319	0.045	0.148	8.88E-13	-0.019	0.021	0.358	0.014	51.049	TRUE	3.20E-12
Allergic asthma	CD70	cg22633597	rs685587	A	G	0.277	0.033	0.389	5.97E-17	-0.028	0.015	0.053	0.019	69.950	TRUE	8.38E-16
Allergic asthma	CD70	cg26737640	rs112136162	A	G	-0.267	0.024	0.430	1.38E-29	-0.026	0.014	0.053	0.033	127.528	TRUE	9.28E-28
Allergic asthma	CD70	cg26737640	rs411204	C	G	0.220	0.039	0.121	2.39E-08	-0.019	0.021	0.361	0.008	31.132	TRUE	5.84E-08
Allergic asthma	CD84	cg13188263	rs11265434	G	A	-0.650	0.084	0.017	8.97E-15	-0.038	0.058	0.516	0.016	60.077	TRUE	3.01E-14
Allergic asthma	CD84	cg13188263	rs55917218	C	G	0.273	0.025	0.319	1.12E-27	0.056	0.016	4.93E-04	0.031	118.809	TRUE	4.09E-25

Allergic asthma	CD84	cg19718360	rs11265434	G	A	-0.618	0.084	0.017	1.45E-13	-0.038	0.058	0.516	0.015	54.606	TRUE	4.43E-13
Allergic asthma	CD84	cg19718360	rs7521247	G	A	-0.217	0.025	0.336	7.34E-19	0.034	0.015	0.028	0.021	78.627	TRUE	1.69E-17
Allergic asthma	CD84	cg21454485	rs9726326	C	T	-0.167	0.024	0.381	4.90E-12	0.032	0.015	0.035	0.013	47.702	TRUE	4.30E-11
Allergic asthma	CD84	cg27304328	rs28823334	A	T	0.285	0.047	0.061	1.14E-09	-0.032	0.026	0.221	0.010	37.045	TRUE	3.91E-09
Allergic asthma	CD84	cg27304328	rs3766384	C	G	-0.539	0.024	0.329	1.61E-110	0.049	0.016	0.002	0.119	498.677	TRUE	5.78E-101
Allergic asthma	CDC42	cg11572548	rs11583790	A	G	0.442	0.035	0.138	6.87E-37	0.011	0.019	0.563	0.042	160.905	TRUE	1.67E-35
Allergic asthma	CDC42	cg11572548	rs34870854	A	C	0.233	0.033	0.156	1.76E-12	-0.006	0.023	0.810	0.013	49.704	TRUE	3.51E-12
Allergic asthma	CDC42	cg21772489	rs12747516	A	G	-0.189	0.032	0.154	4.11E-09	-0.026	0.024	0.281	0.009	34.550	TRUE	1.21E-08
Allergic asthma	CDC42	cg21772489	rs78715691	C	T	-1.167	0.110	0.022	2.62E-26	-0.156	0.053	0.003	0.030	112.552	TRUE	3.90E-24
Allergic asthma	CDC42	cg23987736	rs3754497	A	G	0.394	0.035	0.138	1.47E-29	0.011	0.019	0.563	0.033	127.395	TRUE	1.67E-28
Allergic asthma	CDC42	cg23987736	rs4565679	C	T	-0.133	0.024	0.373	3.82E-08	-0.007	0.014	0.581	0.008	30.224	TRUE	7.23E-08
Allergic asthma	CDC42	cg23987736	rs7536301	T	C	-0.340	0.043	0.078	4.53E-15	-0.010	0.020	0.614	0.016	61.420	TRUE	1.36E-14
Allergic asthma	CDH1	cg01251360	rs113703890	T	C	0.413	0.073	0.058	1.75E-08	0.007	0.039	0.858	0.009	31.740	TRUE	2.63E-08
Allergic asthma	CDH1	cg01251360	rs117768501	T	A	0.559	0.082	0.021	8.24E-12	-0.080	0.037	0.030	0.012	46.683	TRUE	7.36E-11
Allergic asthma	CDH1	cg01251360	rs117773923	G	C	-0.285	0.043	0.077	5.61E-11	0.045	0.022	0.046	0.011	42.928	TRUE	3.95E-10
Allergic asthma	CDH1	cg01251360	rs11861362	G	C	0.218	0.029	0.221	3.74E-14	-0.048	0.015	0.001	0.015	57.269	TRUE	1.13E-12
Allergic asthma	CDH1	cg01251360	rs12926010	G	A	0.678	0.022	0.397	1.87E-199	-0.038	0.014	0.006	0.197	907.422	TRUE	2.08E-178
Allergic asthma	CDH1	cg01251360	rs146445162	T	A	0.438	0.078	0.028	2.23E-08	-0.131	0.082	0.111	0.008	31.265	TRUE	8.56E-08
Allergic asthma	CDH1	cg01251360	rs153045	C	T	-0.139	0.025	0.349	4.81E-08	-0.011	0.014	0.435	0.008	29.776	TRUE	1.05E-07
Allergic asthma	CDH1	cg01251360	rs33965115	A	G	0.289	0.050	0.056	7.07E-09	-0.019	0.030	0.533	0.009	33.499	TRUE	1.48E-08
Allergic asthma	CDH1	cg01251360	rs35628469	A	G	0.241	0.037	0.118	5.05E-11	-0.020	0.021	0.339	0.012	43.136	TRUE	1.61E-10
Allergic asthma	CDH1	cg01251360	rs55803225	T	C	-0.351	0.028	0.225	8.93E-37	0.044	0.016	0.007	0.042	160.383	TRUE	4.79E-34
Allergic asthma	CDH1	cg01251360	rs696589	A	G	0.184	0.024	0.475	1.81E-14	-0.019	0.014	0.155	0.016	58.693	TRUE	1.19E-13
Allergic asthma	CDH1	cg01251360	rs77649342	A	T	0.445	0.072	0.027	8.03E-10	-0.058	0.032	0.069	0.010	37.732	TRUE	4.27E-09
Allergic asthma	CDH1	cg01251360	rs8056633	G	T	-0.182	0.028	0.211	6.74E-11	0.007	0.016	0.635	0.011	42.570	TRUE	1.46E-10
Allergic asthma	CDH1	cg01251360	rs8063605	C	T	0.348	0.035	0.116	5.23E-23	-0.012	0.020	0.550	0.026	97.505	TRUE	3.31E-22
Allergic asthma	CDH1	cg01251360	rs9934572	G	A	-0.223	0.030	0.193	9.15E-14	0.020	0.016	0.215	0.015	55.512	TRUE	4.75E-13
Allergic asthma	CDH1	cg01251360	rs9936766	C	T	0.190	0.029	0.213	2.87E-11	-0.014	0.018	0.445	0.012	44.242	TRUE	8.02E-11
Allergic asthma	CDH1	cg01857829	rs4783676	A	C	0.229	0.024	0.426	2.72E-22	-0.027	0.014	0.051	0.025	94.241	TRUE	7.49E-21
Allergic asthma	CDH1	cg04398983	rs4783676	A	C	0.288	0.024	0.426	1.42E-34	-0.027	0.014	0.051	0.039	150.313	TRUE	1.90E-32
Allergic asthma	CDH1	cg04398983	rs7202333	C	T	0.155	0.024	0.392	7.99E-11	-0.012	0.014	0.378	0.011	42.238	TRUE	2.36E-10
Allergic asthma	CDH1	cg04398983	rs8049247	A	C	-0.200	0.034	0.139	3.36E-09	-0.004	0.018	0.844	0.009	34.944	TRUE	5.33E-09
Allergic asthma	CDH1	cg04398983	rs9936766	C	T	0.167	0.028	0.213	4.19E-09	-0.014	0.018	0.445	0.009	34.514	TRUE	9.85E-09
Allergic asthma	CDH1	cg05785947	rs1886699	G	T	0.281	0.038	0.105	8.00E-14	-0.026	0.018	0.153	0.015	55.775	TRUE	4.94E-13
Allergic asthma	CDH1	cg07762788	rs192253604	A	G	0.332	0.050	0.059	2.05E-11	-0.016	0.021	0.431	0.012	44.897	TRUE	5.91E-11
Allergic asthma	CDH1	cg08616585	rs8059194	G	A	-0.202	0.024	0.395	2.92E-17	-0.042	0.014	0.002	0.019	71.361	TRUE	1.23E-15
Allergic asthma	CDH1	cg09220040	rs118029198	G	T	-0.530	0.065	0.030	2.07E-16	-0.032	0.046	0.495	0.018	67.495	TRUE	8.20E-16
Allergic asthma	CDH1	cg09220040	rs16958383	A	G	-0.614	0.032	0.137	3.02E-81	-0.007	0.018	0.680	0.090	364.259	TRUE	3.10E-77
Allergic asthma	CDH1	cg09220040	rs3114396	G	A	-0.199	0.027	0.258	1.12E-13	-0.029	0.014	0.042	0.015	55.116	TRUE	1.14E-12
Allergic asthma	CDH1	cg09220040	rs7202333	C	T	0.159	0.024	0.392	2.34E-11	-0.012	0.014	0.378	0.012	44.639	TRUE	7.24E-11
Allergic asthma	CDH1	cg09220040	rs75025381	T	C	-0.194	0.028	0.208	4.15E-12	0.008	0.016	0.610	0.013	48.026	TRUE	1.01E-11
Allergic asthma	CDH1	cg09220040	rs79699130	A	G	-0.497	0.064	0.033	9.02E-15	0.014	0.027	0.610	0.016	60.066	TRUE	2.67E-14

Allergic asthma	CDH1	cg09220040	rs8049967	A	G	-0.359	0.062	0.036	6.44E-09	0.050	0.044	0.253	0.009	33.679	TRUE	1.93E-08
Allergic asthma	CDH1	cg09406989	rs11861362	G	C	0.205	0.029	0.221	1.20E-12	-0.048	0.015	0.001	0.013	50.466	TRUE	2.80E-11
Allergic asthma	CDH1	cg09406989	rs13689	C	T	-0.245	0.030	0.182	2.04E-16	0.001	0.016	0.945	0.018	67.525	TRUE	4.45E-16
Allergic asthma	CDH1	cg09406989	rs146445162	T	A	0.513	0.078	0.028	5.15E-11	-0.131	0.082	0.111	0.012	43.097	TRUE	2.68E-10
Allergic asthma	CDH1	cg09406989	rs150699501	T	C	-0.566	0.097	0.014	5.62E-09	0.029	0.039	0.458	0.009	33.944	TRUE	1.29E-08
Allergic asthma	CDH1	cg09406989	rs34171206	A	G	0.239	0.024	0.461	3.39E-24	-0.003	0.014	0.799	0.027	102.919	TRUE	1.59E-23
Allergic asthma	CDH1	cg09406989	rs72787251	A	G	-0.258	0.044	0.077	3.10E-09	0.043	0.023	0.058	0.009	35.101	TRUE	1.62E-08
Allergic asthma	CDH1	cg09406989	rs75158225	A	G	0.506	0.084	0.021	1.48E-09	-0.082	0.037	0.025	0.010	36.537	TRUE	1.03E-08
Allergic asthma	CDH1	cg09406989	rs77649342	A	T	0.431	0.072	0.027	2.54E-09	-0.058	0.032	0.069	0.010	35.489	TRUE	1.27E-08
Allergic asthma	CDH1	cg09406989	rs79777749	A	C	-0.327	0.042	0.082	1.29E-14	0.014	0.023	0.525	0.016	59.369	TRUE	4.21E-14
Allergic asthma	CDH1	cg09406989	rs8063605	C	T	0.313	0.035	0.116	6.68E-19	-0.012	0.020	0.550	0.021	78.812	TRUE	2.98E-18
Allergic asthma	CDH1	cg09406989	rs9673498	T	C	-0.200	0.029	0.217	4.66E-12	0.035	0.016	0.028	0.013	47.800	TRUE	4.43E-11
Allergic asthma	CDH1	cg13920367	rs10775304	C	T	0.162	0.026	0.295	6.34E-10	0.014	0.015	0.337	0.010	38.195	TRUE	1.84E-09
Allergic asthma	CDH1	cg13920367	rs1107074	G	A	-0.251	0.028	0.233	1.13E-19	-0.004	0.014	0.800	0.022	82.326	TRUE	3.71E-19
Allergic asthma	CDH1	cg13920367	rs11649261	A	G	-0.296	0.024	0.343	4.44E-34	0.035	0.015	0.015	0.038	148.052	TRUE	1.08E-31
Allergic asthma	CDH1	cg13920367	rs13332087	C	T	-0.237	0.030	0.193	2.91E-15	0.020	0.016	0.216	0.017	62.295	TRUE	1.75E-14
Allergic asthma	CDH1	cg13920367	rs139478886	G	A	-0.492	0.087	0.014	1.75E-08	0.025	0.082	0.763	0.009	31.740	TRUE	2.86E-08
Allergic asthma	CDH1	cg13920367	rs146445162	T	A	0.573	0.078	0.028	2.27E-13	-0.131	0.082	0.111	0.014	53.723	TRUE	1.54E-12
Allergic asthma	CDH1	cg13920367	rs148712046	A	G	0.707	0.122	0.024	6.13E-09	0.100	0.058	0.084	0.009	33.776	TRUE	2.75E-08
Allergic asthma	CDH1	cg13920367	rs1812452	C	G	-0.312	0.028	0.218	1.33E-29	0.007	0.016	0.665	0.033	127.598	TRUE	1.25E-28
Allergic asthma	CDH1	cg13920367	rs192891750	G	C	0.471	0.080	0.024	4.26E-09	0.000	0.048	0.994	0.009	34.484	TRUE	5.88E-09
Allergic asthma	CDH1	cg13920367	rs33965115	A	G	0.479	0.050	0.056	5.49E-22	-0.019	0.030	0.533	0.024	92.853	TRUE	3.27E-21
Allergic asthma	CDH1	cg13920367	rs62057896	A	G	-0.328	0.036	0.109	2.24E-19	0.047	0.024	0.047	0.021	80.972	TRUE	4.44E-18
Allergic asthma	CDH1	cg13920367	rs7184242	A	G	0.719	0.025	0.291	4.48E-187	-0.028	0.016	0.078	0.187	850.508	TRUE	2.49E-169
Allergic asthma	CDH1	cg13920367	rs7199649	G	A	-0.337	0.034	0.134	2.80E-23	-0.018	0.018	0.314	0.026	98.745	TRUE	2.92E-22
Allergic asthma	CDH1	cg13920367	rs75158225	A	G	0.666	0.084	0.021	1.57E-15	-0.082	0.037	0.025	0.017	63.507	TRUE	2.46E-14
Allergic asthma	CDH1	cg13920367	rs8055800	T	C	-0.239	0.044	0.078	4.27E-08	-0.018	0.022	0.412	0.008	30.005	TRUE	9.62E-08
Allergic asthma	CDH1	cg13920367	rs9783747	G	A	0.244	0.031	0.173	3.03E-15	-0.037	0.019	0.048	0.017	62.215	TRUE	3.60E-14
Allergic asthma	CDH1	cg16739895	rs12926010	G	A	0.134	0.024	0.397	1.41E-08	-0.038	0.014	0.006	0.009	32.157	TRUE	1.16E-07
Allergic asthma	CDH1	cg17655614	rs11075699	G	A	-0.141	0.023	0.447	1.21E-09	0.035	0.014	0.010	0.010	36.929	TRUE	1.07E-08
Allergic asthma	CDH1	cg17655614	rs3912073	G	T	0.315	0.037	0.108	1.93E-17	-0.022	0.018	0.230	0.019	72.180	TRUE	1.39E-16
Allergic asthma	CDH1	cg20716119	rs12923775	C	T	0.246	0.024	0.420	2.94E-25	-0.030	0.014	0.029	0.028	107.766	TRUE	1.55E-23
Allergic asthma	CDH1	cg23989635	rs11642362	T	C	0.177	0.024	0.424	7.26E-14	-0.027	0.014	0.049	0.015	55.966	TRUE	7.20E-13
Allergic asthma	CDH1	cg24765079	rs11075695	C	G	0.548	0.023	0.392	8.60E-125	-0.041	0.014	0.003	0.132	564.246	TRUE	8.99E-114
Allergic asthma	CDH1	cg24765079	rs12149862	A	G	0.172	0.031	0.173	2.94E-08	-0.035	0.018	0.053	0.008	30.728	TRUE	1.39E-07
Allergic asthma	CDH1	cg24765079	rs34171206	A	G	0.220	0.024	0.461	1.25E-20	-0.003	0.014	0.799	0.023	86.677	TRUE	4.41E-20
Allergic asthma	CDH1	cg24765079	rs7200932	G	C	0.220	0.032	0.175	4.59E-12	-0.058	0.016	2.78E-04	0.013	47.831	TRUE	1.35E-10
Allergic asthma	CDH1	cg24765079	rs72787251	A	G	-0.266	0.044	0.077	1.15E-09	0.043	0.023	0.058	0.010	37.034	TRUE	6.34E-09
Allergic asthma	CDH1	cg24765079	rs75921150	C	A	0.560	0.095	0.017	4.11E-09	-0.077	0.041	0.059	0.009	34.553	TRUE	2.10E-08
Allergic asthma	CDH1	cg24765079	rs8063605	C	T	0.304	0.035	0.116	7.03E-18	-0.012	0.020	0.550	0.020	74.168	TRUE	2.88E-17
Allergic asthma	CDH1	cg24765079	rs9934572	G	A	-0.191	0.030	0.193	1.83E-10	0.020	0.016	0.215	0.011	40.617	TRUE	6.86E-10
Allergic asthma	CDH1	cg26508465	rs13330378	A	G	-0.202	0.026	0.299	3.68E-15	-0.024	0.016	0.126	0.016	61.833	TRUE	2.86E-14

Allergic asthma	CDH1	cg26508465	rs74608019	T	C	0.506	0.078	0.020	1.03E-10	0.128	0.063	0.041	0.011	41.739	TRUE	7.27E-10
Allergic asthma	CDK5R1	cg06366062	rs149898952	T	C	0.598	0.106	0.015	1.63E-08	-0.008	0.058	0.897	0.009	31.878	TRUE	2.37E-08
Allergic asthma	CDK5R1	cg07437263	rs10775410	T	C	-0.219	0.023	0.470	3.89E-21	0.006	0.014	0.678	0.023	88.981	TRUE	1.71E-20
Allergic asthma	CDK5R1	cg07437263	rs12945943	A	T	0.274	0.049	0.125	2.77E-08	-0.041	0.027	0.123	0.008	30.847	TRUE	1.02E-07
Allergic asthma	CDK5R1	cg07437263	rs17733169	A	G	0.444	0.062	0.065	1.08E-12	0.020	0.033	0.540	0.014	50.669	TRUE	2.98E-12
Allergic asthma	CDK5R1	cg07437263	rs2519866	C	T	0.269	0.034	0.290	1.08E-15	0.014	0.015	0.343	0.017	64.244	TRUE	5.17E-15
Allergic asthma	CDK5R1	cg07437263	rs7223126	C	A	0.179	0.026	0.298	4.78E-12	0.001	0.014	0.952	0.013	47.748	TRUE	7.99E-12
Allergic asthma	CDK5R1	cg07437263	rs739455	C	G	0.292	0.052	0.057	1.81E-08	0.060	0.043	0.167	0.008	31.671	TRUE	6.10E-08
Allergic asthma	CDK5R1	cg07437263	rs76128637	A	G	-0.511	0.051	0.132	8.04E-24	-0.018	0.020	0.365	0.027	101.213	TRUE	7.87E-23
Allergic asthma	CDK5R1	cg07437263	rs80135683	A	G	-0.210	0.035	0.131	2.28E-09	-0.016	0.018	0.375	0.010	35.697	TRUE	5.98E-09
Allergic asthma	CDK5R1	cg07437263	rs9889257	G	C	0.269	0.032	0.173	2.02E-17	-0.025	0.021	0.228	0.019	72.087	TRUE	1.46E-16
Allergic asthma	CDK5R1	cg10898212	rs80135683	A	G	-0.198	0.035	0.131	1.87E-08	-0.016	0.018	0.375	0.008	31.604	TRUE	4.54E-08
Allergic asthma	CDK5R1	cg10898212	rs9899310	C	G	0.608	0.034	0.130	5.77E-70	-0.028	0.022	0.207	0.078	312.486	TRUE	5.03E-66
Allergic asthma	CDK5R1	cg12504804	rs11656631	T	C	-0.165	0.023	0.467	9.93E-13	-0.024	0.013	0.077	0.014	50.830	TRUE	7.24E-12
Allergic asthma	CDK5R1	cg12504804	rs731880	T	A	0.613	0.034	0.130	3.93E-74	-0.033	0.025	0.180	0.082	331.603	TRUE	8.40E-70
Allergic asthma	CDK5R1	cg12504804	rs8080738	G	C	0.173	0.025	0.316	5.37E-12	-0.004	0.014	0.755	0.013	47.521	TRUE	1.10E-11
Allergic asthma	CDK5R1	cg18473137	rs10775410	T	C	-0.228	0.023	0.470	1.09E-22	0.006	0.014	0.678	0.025	96.046	TRUE	5.45E-22
Allergic asthma	CDK5R1	cg18473137	rs2519866	C	T	0.218	0.034	0.290	8.82E-11	0.014	0.015	0.343	0.011	42.044	TRUE	2.73E-10
Allergic asthma	CDK5R1	cg18473137	rs76128637	A	G	-0.454	0.051	0.132	5.13E-19	-0.018	0.020	0.365	0.021	79.334	TRUE	3.19E-18
Allergic asthma	CDK5R1	cg18473137	rs9889257	G	C	0.190	0.032	0.173	2.28E-09	-0.025	0.021	0.228	0.010	35.700	TRUE	7.47E-09
Allergic asthma	CDK5R1	cg19634527	rs9333300	T	C	0.896	0.108	0.014	1.08E-16	-0.017	0.058	0.774	0.018	68.776	TRUE	2.98E-16
Allergic asthma	CDK5R1	cg19634527	rs9889257	G	C	0.176	0.032	0.173	2.90E-08	-0.025	0.021	0.228	0.008	30.756	TRUE	8.52E-08
Allergic asthma	CDK5R1	cg21855910	rs10775410	T	C	-0.198	0.023	0.470	1.83E-17	0.006	0.014	0.678	0.019	72.279	TRUE	6.04E-17
Allergic asthma	CDK5R1	cg21855910	rs117117721	T	C	-0.712	0.073	0.023	2.19E-22	-0.009	0.061	0.885	0.025	94.674	TRUE	7.80E-22
Allergic asthma	CDK5R1	cg22322863	rs62062462	T	C	0.185	0.023	0.478	2.35E-15	0.035	0.014	0.011	0.017	62.713	TRUE	4.72E-14
Allergic asthma	CHGA	cg00813752	rs1740593	A	G	-0.187	0.026	0.290	3.49E-13	-0.004	0.015	0.788	0.014	52.883	TRUE	7.44E-13
Allergic asthma	CHGA	cg00813752	rs4905009	T	A	-0.522	0.028	0.230	5.42E-80	-0.028	0.015	0.068	0.088	358.501	TRUE	9.68E-75
Allergic asthma	CHGA	cg00813752	rs76864329	A	G	-0.385	0.069	0.029	2.11E-08	-0.022	0.034	0.514	0.008	31.369	TRUE	4.36E-08
Allergic asthma	CHGA	cg00813752	rs9658638	T	C	0.244	0.032	0.163	1.40E-14	-0.008	0.016	0.603	0.016	59.196	TRUE	4.13E-14
Allergic asthma	CHGA	cg01901466	rs2402224	T	C	0.192	0.024	0.491	3.74E-16	0.035	0.014	0.011	0.018	66.332	TRUE	8.36E-15
Allergic asthma	CHGA	cg02327501	rs140723329	A	G	0.312	0.053	0.046	5.17E-09	-0.029	0.027	0.281	0.009	34.106	TRUE	1.50E-08
Allergic asthma	CHGA	cg02327501	rs750678	G	A	-0.168	0.024	0.370	3.37E-12	0.023	0.015	0.132	0.013	48.433	TRUE	1.87E-11
Allergic asthma	CHGA	cg02327501	rs9658638	T	C	0.316	0.031	0.163	3.25E-24	-0.008	0.016	0.603	0.027	103.005	TRUE	2.09E-23
Allergic asthma	CHGA	cg10166151	rs2402224	T	C	0.246	0.023	0.491	4.55E-26	0.035	0.014	0.011	0.029	111.459	TRUE	4.08E-24
Allergic asthma	CHGA	cg15480367	rs2295396	C	T	-0.158	0.028	0.232	1.02E-08	-0.012	0.015	0.403	0.009	32.793	TRUE	2.43E-08
Allergic asthma	CHGA	cg16290737	rs11160097	T	C	0.183	0.031	0.190	2.07E-09	0.052	0.017	0.002	0.010	35.890	TRUE	2.45E-08
Allergic asthma	CHGA	cg16290737	rs1740593	A	G	-0.183	0.026	0.290	1.13E-12	-0.004	0.015	0.788	0.013	50.578	TRUE	2.33E-12
Allergic asthma	CHGA	cg16290737	rs45585434	T	C	0.280	0.045	0.074	3.47E-10	-0.030	0.031	0.341	0.011	39.370	TRUE	1.02E-09
Allergic asthma	CHGA	cg16290737	rs4905009	T	A	-0.663	0.027	0.230	2.00E-131	-0.028	0.015	0.068	0.139	594.723	TRUE	5.35E-121
Allergic asthma	CHGA	cg16290737	rs9658638	T	C	0.308	0.032	0.163	2.41E-22	-0.008	0.016	0.603	0.025	94.480	TRUE	1.32E-21
Allergic asthma	CHGA	cg18397726	rs12436684	G	C	-0.182	0.031	0.187	7.21E-09	-0.005	0.019	0.803	0.009	33.458	TRUE	1.17E-08
Allergic asthma	CHGA	cg18397726	rs144938064	A	G	-2.190	0.132	0.017	2.86E-62	-0.002	0.060	0.972	0.070	277.181	TRUE	6.50E-60

Allergic asthma	CHGA	cg18397726	rs79701852	A	G	-0.450	0.080	0.022	2.09E-08	-0.129	0.046	0.005	0.008	31.395	TRUE	1.76E-07
Allergic asthma	CHGA	cg23013853	rs11160097	T	C	0.236	0.030	0.190	9.27E-15	0.052	0.017	0.002	0.016	60.013	TRUE	2.69E-13
Allergic asthma	CHGA	cg23013853	rs114869373	C	T	0.370	0.028	0.231	1.39E-40	-0.010	0.015	0.502	0.046	177.803	TRUE	5.92E-39
Allergic asthma	CHGA	cg23013853	rs1740593	A	G	-0.239	0.026	0.290	1.28E-20	-0.004	0.015	0.788	0.023	86.621	TRUE	4.61E-20
Allergic asthma	CHGA	cg23013853	rs2281516	C	T	0.196	0.025	0.319	7.39E-15	-0.009	0.014	0.533	0.016	60.458	TRUE	2.44E-14
Allergic asthma	CHGA	cg23013853	rs36071367	C	G	0.190	0.029	0.215	3.87E-11	-0.015	0.016	0.365	0.012	43.656	TRUE	1.20E-10
Allergic asthma	CHGA	cg23013853	rs7159323	A	C	-0.713	0.027	0.228	1.09E-152	-0.028	0.015	0.066	0.158	692.440	TRUE	1.25E-139
Allergic asthma	CHGA	cg23013853	rs77927883	G	C	-0.499	0.060	0.042	1.05E-16	-0.066	0.031	0.032	0.018	68.843	TRUE	1.75E-15
Allergic asthma	CHGA	cg23013853	rs941541	A	G	-0.293	0.053	0.046	3.37E-08	-0.062	0.024	0.009	0.008	30.465	TRUE	2.43E-07
Allergic asthma	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	-0.001	0.014	0.946	0.014	51.673	TRUE	1.14E-12
Allergic asthma	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	-0.036	0.014	0.010	0.014	52.012	TRUE	8.10E-12
Allergic asthma	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	-0.049	0.036	0.174	0.014	52.555	TRUE	2.23E-12
Allergic asthma	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	-0.007	0.028	0.814	0.009	32.855	TRUE	1.56E-08
Allergic asthma	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	0.003	0.014	0.823	0.016	59.196	TRUE	3.15E-14
Allergic asthma	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	-0.012	0.028	0.683	0.330	1817.779	TRUE	<1E-200
Allergic asthma	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	0.023	0.014	0.094	0.023	88.968	TRUE	6.91E-20
Allergic asthma	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	0.005	0.015	0.749	0.028	106.985	TRUE	2.38E-24
Allergic asthma	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	0.012	0.018	0.488	0.011	39.531	TRUE	7.79E-10
Allergic asthma	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	0.008	0.033	0.810	0.017	65.776	TRUE	1.24E-15
Allergic asthma	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	-0.110	0.046	0.017	0.017	64.538	TRUE	1.71E-14
Allergic asthma	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	-0.009	0.015	0.544	0.019	72.841	TRUE	5.57E-17
Allergic asthma	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	0.016	0.016	0.315	0.011	41.726	TRUE	3.33E-10
Allergic asthma	CLEC16A	cg00121339	rs3960630	A	C	0.183	0.028	0.222	3.10E-11	0.025	0.016	0.109	0.012	44.088	TRUE	1.66E-10
Allergic asthma	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	0.012	0.016	0.443	0.028	106.434	TRUE	5.34E-24
Allergic asthma	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	-0.038	0.014	0.007	0.075	299.324	TRUE	4.09E-62
Allergic asthma	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	0.005	0.019	0.797	0.161	707.670	TRUE	1.38E-144
Allergic asthma	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	-0.095	0.049	0.053	0.014	51.405	TRUE	6.30E-12
Allergic asthma	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	0.045	0.019	0.016	0.009	32.640	TRUE	7.52E-08
Allergic asthma	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	-0.022	0.019	0.236	0.018	66.076	TRUE	2.65E-15
Allergic asthma	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	-0.058	0.014	2.49E-05	0.019	73.132	TRUE	1.67E-15
Allergic asthma	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	-0.049	0.036	0.174	0.014	52.740	TRUE	2.03E-12
Allergic asthma	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	0.011	0.014	0.407	0.012	45.917	TRUE	3.70E-11
Allergic asthma	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	0.050	0.020	0.014	0.030	112.666	TRUE	2.08E-24
Allergic asthma	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	-0.012	0.028	0.683	0.066	261.606	TRUE	2.04E-56
Allergic asthma	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	0.070	0.016	7.84E-06	0.015	56.091	TRUE	5.66E-12
Allergic asthma	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	-0.058	0.014	2.76E-05	0.014	54.032	TRUE	1.17E-11
Allergic asthma	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	0.026	0.014	0.052	0.019	73.015	TRUE	1.93E-16
Allergic asthma	CLEC16A	cg02101434	rs248829	G	C	0.188	0.025	0.357	2.32E-14	0.072	0.015	1.28E-06	0.015	58.209	TRUE	2.91E-12
Allergic asthma	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	0.050	0.025	0.044	0.076	302.166	TRUE	2.74E-63
Allergic asthma	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	0.054	0.021	0.009	0.009	33.983	TRUE	4.47E-08
Allergic asthma	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	-0.001	0.015	0.938	0.011	40.350	TRUE	3.26E-10
Allergic asthma	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	-0.013	0.015	0.381	0.014	52.354	TRUE	1.63E-12

Allergic asthma	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	0.036	0.018	0.049	0.011	40.126	TRUE	1.50E-09
Allergic asthma	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	-0.064	0.014	7.50E-06	0.072	288.915	TRUE	1.49E-58
Allergic asthma	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	-0.113	0.046	0.014	0.009	32.086	TRUE	1.01E-07
Allergic asthma	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	0.004	0.017	0.832	0.011	41.593	TRUE	1.94E-10
Allergic asthma	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	-0.060	0.035	0.087	0.011	41.041	TRUE	7.95E-10
Allergic asthma	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	-0.019	0.047	0.686	0.012	43.128	TRUE	1.05E-10
Allergic asthma	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	0.052	0.019	0.007	0.022	84.691	TRUE	1.62E-18
Allergic asthma	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	0.016	0.046	0.720	0.016	61.438	TRUE	1.18E-14
Allergic asthma	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	-0.040	0.016	0.012	0.082	331.161	TRUE	1.20E-68
Allergic asthma	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	-0.010	0.034	0.760	0.033	126.080	TRUE	2.20E-28
Allergic asthma	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	0.042	0.031	0.168	0.055	217.234	TRUE	1.42E-46
Allergic asthma	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	0.012	0.013	0.365	0.016	60.667	TRUE	2.85E-14
Allergic asthma	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	-0.039	0.015	0.008	0.019	71.819	TRUE	6.98E-16
Allergic asthma	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	0.007	0.018	0.697	0.009	32.295	TRUE	2.30E-08
Allergic asthma	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	-0.011	0.014	0.443	0.013	48.377	TRUE	1.05E-11
Allergic asthma	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	-0.054	0.042	0.196	0.010	37.194	TRUE	3.82E-09
Allergic asthma	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	0.035	0.014	0.010	0.065	257.463	TRUE	7.94E-54
Allergic asthma	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	0.004	0.017	0.810	0.048	188.382	TRUE	1.91E-41
Allergic asthma	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	0.000	0.022	0.989	0.064	251.330	TRUE	1.26E-54
Allergic asthma	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	0.009	0.014	0.491	0.036	137.835	TRUE	1.27E-30
Allergic asthma	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	0.039	0.034	0.249	0.012	43.796	TRUE	1.35E-10
Allergic asthma	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	-0.073	0.034	0.033	0.013	47.342	TRUE	5.22E-11
Allergic asthma	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	-0.095	0.049	0.053	0.009	32.445	TRUE	6.04E-08
Allergic asthma	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	-0.093	0.026	3.28E-04	0.025	96.102	TRUE	1.93E-20
Allergic asthma	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	-0.006	0.017	0.704	0.025	96.297	TRUE	4.64E-22
Allergic asthma	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	0.032	0.014	0.023	0.118	494.295	TRUE	4.81E-101
Allergic asthma	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	-0.026	0.021	0.218	0.034	129.354	TRUE	1.55E-28
Allergic asthma	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	-0.088	0.016	5.43E-08	0.017	62.213	TRUE	7.75E-13
Allergic asthma	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	-0.012	0.021	0.550	0.053	205.610	TRUE	9.28E-45
Allergic asthma	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	-0.116	0.018	4.21E-11	0.029	112.295	TRUE	3.41E-22
Allergic asthma	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	0.008	0.033	0.810	0.011	39.870	TRUE	4.69E-10
Allergic asthma	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	-0.110	0.046	0.017	0.013	50.367	TRUE	1.50E-11
Allergic asthma	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	-0.079	0.019	2.59E-05	0.014	50.897	TRUE	5.07E-11
Allergic asthma	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	-0.095	0.049	0.053	0.009	34.738	TRUE	1.99E-08
Allergic asthma	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	-0.030	0.019	0.116	0.082	329.037	TRUE	4.45E-69
Allergic asthma	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	0.001	0.026	0.971	0.015	56.577	TRUE	9.72E-14
Allergic asthma	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	-0.035	0.019	0.062	0.009	34.069	TRUE	2.62E-08
Allergic asthma	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	0.050	0.025	0.044	0.012	45.951	TRUE	9.31E-11
Allergic asthma	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	-0.010	0.034	0.760	0.065	257.083	TRUE	1.42E-55
Allergic asthma	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	-0.051	0.014	3.43E-04	0.034	129.413	TRUE	3.23E-27
Allergic asthma	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	0.001	0.028	0.962	0.010	36.745	TRUE	1.94E-09
Allergic asthma	CLU	cg02393097	rs1982229	T	C	0.202	0.024	0.336	1.36E-16	-0.014	0.014	0.316	0.018	68.329	TRUE	7.44E-16

Allergic asthma	CLU	cg03735511	rs9331888	G	C	-0.271	0.026	0.291	2.41E-26	-0.008	0.014	0.585	0.030	112.717	TRUE	1.94E-25
Allergic asthma	CLU	cg13620439	rs74614358	A	T	0.187	0.034	0.136	2.51E-08	-0.006	0.020	0.752	0.008	31.040	TRUE	4.10E-08
Allergic asthma	CLU	cg13620439	rs867231	C	G	0.195	0.027	0.257	3.94E-13	-0.025	0.018	0.169	0.014	52.646	TRUE	2.16E-12
Allergic asthma	CLU	cg16292768	rs867230	C	A	-0.312	0.024	0.399	7.43E-40	0.032	0.014	0.019	0.045	174.477	TRUE	3.75E-37
Allergic asthma	CLU	cg18931633	rs73231005	G	C	-0.224	0.026	0.286	1.21E-17	-0.023	0.017	0.180	0.019	73.102	TRUE	1.02E-16
Allergic asthma	CPLX2	cg01235000	rs12521617	A	G	0.638	0.038	0.099	2.98E-63	-0.005	0.023	0.815	0.071	281.687	TRUE	1.15E-60
Allergic asthma	CPLX2	cg01235000	rs2647	G	A	-0.161	0.025	0.330	1.01E-10	-0.007	0.014	0.634	0.011	41.773	TRUE	2.17E-10
Allergic asthma	CPLX2	cg01235000	rs4242187	T	C	0.152	0.025	0.337	6.77E-10	0.027	0.014	0.058	0.010	38.065	TRUE	3.85E-09
Allergic asthma	CPLX2	cg01235000	rs6556253	A	G	1.061	0.059	0.046	9.74E-73	0.052	0.033	0.121	0.081	325.207	TRUE	2.51E-68
Allergic asthma	CPLX2	cg01235000	rs67877276	T	C	0.138	0.025	0.381	1.64E-08	0.000	0.014	0.982	0.009	31.859	TRUE	2.23E-08
Allergic asthma	CPLX2	cg01235000	rs6863932	A	G	-0.177	0.024	0.404	1.14E-13	0.018	0.016	0.254	0.015	55.072	TRUE	5.41E-13
Allergic asthma	CPLX2	cg01235000	rs6879889	C	T	0.972	0.097	0.029	8.28E-24	0.019	0.026	0.464	0.027	101.155	TRUE	6.60E-23
Allergic asthma	CPLX2	cg01235000	rs7443800	A	G	0.298	0.023	0.439	4.89E-37	0.022	0.014	0.108	0.042	161.579	TRUE	5.52E-35
Allergic asthma	CPLX2	cg01252455	rs7724670	A	G	0.400	0.059	0.046	1.57E-11	0.050	0.033	0.131	0.012	45.425	TRUE	8.07E-11
Allergic asthma	CPLX2	cg01284438	rs12521617	A	G	0.535	0.038	0.099	2.40E-44	-0.005	0.023	0.815	0.050	195.033	TRUE	7.86E-43
Allergic asthma	CPLX2	cg01284438	rs17671074	A	G	0.521	0.052	0.067	4.66E-24	0.057	0.021	0.005	0.027	102.293	TRUE	4.19E-22
Allergic asthma	CPLX2	cg01284438	rs2647	G	A	-0.151	0.025	0.330	1.31E-09	-0.007	0.014	0.634	0.010	36.782	TRUE	2.60E-09
Allergic asthma	CPLX2	cg01284438	rs4242187	T	C	0.164	0.025	0.337	2.94E-11	0.027	0.014	0.058	0.012	44.196	TRUE	1.98E-10
Allergic asthma	CPLX2	cg01284438	rs56405440	T	C	0.288	0.023	0.472	2.47E-35	-0.002	0.014	0.889	0.040	153.789	TRUE	2.68E-34
Allergic asthma	CPLX2	cg01284438	rs56704553	T	A	0.444	0.046	0.067	1.02E-21	-0.010	0.019	0.607	0.024	91.628	TRUE	5.26E-21
Allergic asthma	CPLX2	cg01284438	rs62402495	T	C	0.516	0.086	0.041	2.23E-09	-0.012	0.064	0.846	0.010	35.747	TRUE	3.56E-09
Allergic asthma	CPLX2	cg01284438	rs6863932	A	G	-0.156	0.024	0.404	6.54E-11	0.018	0.016	0.254	0.011	42.629	TRUE	2.38E-10
Allergic asthma	CPLX2	cg01938009	rs2647	G	A	-0.143	0.025	0.330	8.65E-09	-0.007	0.014	0.634	0.009	33.105	TRUE	1.63E-08
Allergic asthma	CPLX2	cg01938009	rs56405440	T	C	0.155	0.023	0.472	3.41E-11	-0.002	0.014	0.889	0.012	43.900	TRUE	5.80E-11
Allergic asthma	CPLX2	cg01938009	rs72807216	T	C	0.307	0.047	0.069	5.62E-11	0.032	0.025	0.194	0.011	42.926	TRUE	2.32E-10
Allergic asthma	CPLX2	cg01938009	rs7446213	C	T	0.311	0.024	0.350	2.89E-37	0.009	0.014	0.512	0.042	162.627	TRUE	8.20E-36
Allergic asthma	CPLX2	cg01946364	rs11134941	T	G	-0.135	0.023	0.455	5.74E-09	-0.009	0.014	0.501	0.009	33.904	TRUE	1.25E-08
Allergic asthma	CPLX2	cg01946364	rs79281561	T	C	0.629	0.103	0.023	9.45E-10	0.006	0.094	0.950	0.010	37.416	TRUE	1.40E-09
Allergic asthma	CPLX2	cg08570034	rs2545329	A	G	-0.245	0.024	0.438	2.60E-25	0.022	0.014	0.105	0.028	108.004	TRUE	7.02E-24
Allergic asthma	CPLX2	cg08670383	rs12521617	A	G	0.221	0.038	0.099	7.38E-09	-0.005	0.023	0.815	0.009	33.415	TRUE	1.18E-08
Allergic asthma	CPLX2	cg09336320	rs2434237	A	C	-0.165	0.028	0.208	4.67E-09	0.035	0.018	0.053	0.009	34.303	TRUE	2.45E-08
Allergic asthma	CPLX2	cg10312572	rs10463052	T	C	-0.141	0.024	0.451	2.84E-09	0.010	0.014	0.440	0.009	35.275	TRUE	6.80E-09
Allergic asthma	CPLX2	cg10312572	rs890736	C	T	-0.170	0.028	0.206	2.01E-09	0.035	0.018	0.051	0.010	35.945	TRUE	1.12E-08
Allergic asthma	CPLX2	cg10663557	rs12521617	A	G	0.307	0.038	0.099	1.29E-15	-0.005	0.023	0.815	0.017	63.899	TRUE	3.12E-15
Allergic asthma	CPLX2	cg10663557	rs1643771	A	G	0.208	0.023	0.474	3.06E-19	0.010	0.014	0.465	0.021	80.356	TRUE	1.61E-18
Allergic asthma	CPLX2	cg10663557	rs7724670	A	G	0.400	0.059	0.046	1.73E-11	0.050	0.033	0.131	0.012	45.229	TRUE	8.88E-11
Allergic asthma	CPLX2	cg11128983	rs1017306	G	A	0.489	0.033	0.132	9.12E-51	0.061	0.019	0.001	0.057	224.447	TRUE	1.11E-46
Allergic asthma	CPLX2	cg11128983	rs11738108	C	T	0.533	0.082	0.040	6.84E-11	0.025	0.047	0.586	0.011	42.541	TRUE	1.57E-10
Allergic asthma	CPLX2	cg11128983	rs17671074	A	G	0.395	0.052	0.067	2.18E-14	0.057	0.021	0.005	0.016	58.335	TRUE	4.70E-13
Allergic asthma	CPLX2	cg11128983	rs182555517	T	G	0.560	0.099	0.017	1.47E-08	-0.005	0.053	0.928	0.009	32.081	TRUE	2.09E-08
Allergic asthma	CPLX2	cg11128983	rs4868535	A	G	-0.364	0.035	0.137	7.00E-26	-0.007	0.021	0.728	0.029	110.607	TRUE	4.23E-25
Allergic asthma	CPLX2	cg11128983	rs4868635	A	G	0.137	0.024	0.417	1.59E-08	0.007	0.014	0.632	0.009	31.928	TRUE	2.94E-08

Allergic asthma	CPLX2	cg11128983	rs59092768	T	C	-0.253	0.039	0.098	8.23E-11	0.023	0.018	0.205	0.011	42.180	TRUE	3.26E-10
Allergic asthma	CPLX2	cg11128983	rs62387138	C	T	-0.428	0.033	0.145	5.64E-39	-0.025	0.019	0.189	0.044	170.448	TRUE	5.27E-37
Allergic asthma	CPLX2	cg11128983	rs6860661	G	C	0.822	0.021	0.359	<1E-200	0.023	0.015	0.130	0.292	1527.693	TRUE	2.13E-289
Allergic asthma	CPLX2	cg11128983	rs72823151	T	C	-0.386	0.042	0.087	4.34E-20	-0.021	0.021	0.321	0.022	84.215	TRUE	3.27E-19
Allergic asthma	CPLX2	cg11128983	rs75722727	T	C	0.444	0.064	0.069	2.93E-12	-0.017	0.034	0.623	0.013	48.708	TRUE	7.09E-12
Allergic asthma	CPLX2	cg12578615	rs11134931	G	A	-0.216	0.024	0.382	6.19E-19	0.012	0.015	0.442	0.021	78.963	TRUE	3.31E-18
Allergic asthma	CPLX2	cg12578615	rs11134942	A	G	0.252	0.023	0.450	2.77E-27	-0.010	0.014	0.458	0.031	117.009	TRUE	3.12E-26
Allergic asthma	CPLX2	cg12578615	rs56184102	A	C	-0.780	0.067	0.031	2.17E-31	-0.025	0.026	0.335	0.035	135.762	TRUE	5.00E-30
Allergic asthma	CPLX2	cg12578615	rs62387138	C	T	-0.869	0.031	0.145	5.95E-168	-0.025	0.019	0.189	0.171	762.599	TRUE	1.45E-153
Allergic asthma	CPLX2	cg15622912	rs11748001	A	G	0.141	0.025	0.317	2.52E-08	-0.015	0.014	0.264	0.008	31.032	TRUE	7.02E-08
Allergic asthma	CPLX2	cg15622912	rs2382120	C	G	-0.276	0.028	0.206	2.19E-22	0.032	0.018	0.074	0.025	94.675	TRUE	5.06E-21
Allergic asthma	CPLX2	cg16105591	rs12521617	A	G	0.388	0.039	0.099	9.52E-24	-0.005	0.023	0.815	0.027	100.878	TRUE	4.19E-23
Allergic asthma	CPLX2	cg16105591	rs17671074	A	G	0.397	0.052	0.067	1.61E-14	0.057	0.021	0.005	0.016	58.929	TRUE	3.54E-13
Allergic asthma	CPLX2	cg16105591	rs4868539	A	G	0.132	0.023	0.453	1.66E-08	-0.022	0.014	0.117	0.009	31.840	TRUE	6.35E-08
Allergic asthma	CPLX2	cg16105591	rs56211888	G	C	-0.173	0.030	0.196	5.02E-09	0.012	0.015	0.437	0.009	34.164	TRUE	1.18E-08
Allergic asthma	CPLX2	cg16105591	rs7443800	A	G	0.274	0.023	0.439	2.03E-31	0.022	0.014	0.108	0.035	135.890	TRUE	1.12E-29
Allergic asthma	CPLX2	cg16460727	rs12521617	A	G	0.222	0.039	0.099	8.45E-09	-0.005	0.023	0.815	0.009	33.150	TRUE	1.35E-08
Allergic asthma	CPLX2	cg19649083	rs11134941	T	G	-0.176	0.023	0.455	4.21E-14	-0.009	0.014	0.501	0.015	57.038	TRUE	1.37E-13
Allergic asthma	CPLX2	cg19649083	rs12521617	A	G	0.451	0.038	0.099	8.85E-32	-0.005	0.023	0.815	0.036	137.540	TRUE	7.82E-31
Allergic asthma	CPLX2	cg19649083	rs369850362	G	A	0.976	0.059	0.046	7.99E-61	0.050	0.033	0.131	0.068	270.552	TRUE	2.46E-57
Allergic asthma	CPLX2	cg19649083	rs62389203	T	C	0.216	0.023	0.454	3.60E-20	-0.002	0.014	0.905	0.022	84.585	TRUE	1.06E-19
Allergic asthma	CPLX2	cg19649083	rs6879889	C	T	0.823	0.097	0.029	2.42E-17	0.019	0.026	0.464	0.019	71.727	TRUE	1.09E-16
Allergic asthma	CPLX2	cg19649083	rs7727183	T	C	0.158	0.028	0.211	2.59E-08	0.037	0.018	0.039	0.008	30.972	TRUE	1.34E-07
Allergic asthma	CPLX2	cg21753973	rs12521617	A	G	0.272	0.039	0.099	1.95E-12	-0.005	0.023	0.815	0.013	49.511	TRUE	3.84E-12
Allergic asthma	CPLX2	cg21753973	rs56405440	T	C	0.185	0.023	0.472	2.21E-15	-0.002	0.014	0.889	0.017	62.839	TRUE	4.82E-15
Allergic asthma	CPLX2	cg21753973	rs6556253	A	G	0.449	0.060	0.046	7.42E-14	0.052	0.033	0.121	0.015	55.923	TRUE	5.11E-13
Allergic asthma	CPLX2	cg22988198	rs10476184	T	C	-0.133	0.024	0.394	3.61E-08	-0.012	0.014	0.386	0.008	30.330	TRUE	8.43E-08
Allergic asthma	CPLX2	cg22988198	rs12520622	T	C	0.285	0.023	0.454	3.15E-34	-0.002	0.014	0.889	0.039	148.733	TRUE	3.08E-33
Allergic asthma	CPLX2	cg22988198	rs12521617	A	G	0.508	0.038	0.099	3.42E-40	-0.005	0.023	0.815	0.045	176.018	TRUE	7.05E-39
Allergic asthma	CPLX2	cg22988198	rs6863932	A	G	-0.196	0.024	0.404	2.21E-16	0.018	0.016	0.254	0.018	67.365	TRUE	1.36E-15
Allergic asthma	CPLX2	cg22988198	rs6879889	C	T	0.699	0.097	0.029	5.90E-13	0.019	0.026	0.464	0.014	51.853	TRUE	1.84E-12
Allergic asthma	CPLX2	cg22988198	rs7724670	A	G	0.846	0.059	0.046	7.53E-47	0.050	0.033	0.131	0.053	206.502	TRUE	2.78E-44
Allergic asthma	CPLX2	cg26121591	rs4867808	A	G	-0.156	0.024	0.363	4.27E-11	0.025	0.015	0.096	0.012	43.465	TRUE	2.36E-10
Allergic asthma	CPLX2	cg26121591	rs62387138	C	T	0.192	0.033	0.145	4.25E-09	-0.025	0.019	0.189	0.009	34.489	TRUE	1.46E-08
Allergic asthma	CPLX2	cg26303222	rs58156946	A	G	-0.326	0.044	0.084	1.50E-13	-0.055	0.026	0.035	0.015	54.547	TRUE	1.61E-12
Allergic asthma	CPLX2	cg26303222	rs9313730	G	A	0.133	0.023	0.467	8.44E-09	0.027	0.014	0.056	0.009	33.152	TRUE	4.22E-08
Allergic asthma	CREB3L4	cg07556888	rs10908578	C	T	0.183	0.023	0.478	2.23E-15	0.000	0.014	0.987	0.017	62.813	TRUE	4.34E-15
Allergic asthma	CREB3L4	cg09895920	rs4845586	G	T	-0.219	0.023	0.464	8.12E-21	0.002	0.014	0.869	0.023	87.527	TRUE	2.64E-20
Allergic asthma	CTSB	cg00276098	rs1293312	G	A	-0.180	0.026	0.387	8.33E-12	0.035	0.014	0.013	0.012	46.661	TRUE	9.53E-11
Allergic asthma	CTSB	cg08012294	rs1692806	G	A	-0.200	0.026	0.369	1.42E-14	0.001	0.014	0.916	0.016	59.180	TRUE	2.85E-14
Allergic asthma	CTSB	cg08012294	rs1736062	A	G	0.189	0.031	0.211	6.22E-10	-0.017	0.015	0.252	0.010	38.230	TRUE	2.06E-09
Allergic asthma	CTSB	cg08012294	rs3757949	C	G	0.171	0.030	0.231	1.03E-08	-0.022	0.015	0.129	0.009	32.768	TRUE	3.90E-08

Allergic asthma	CTSB	cg08012294	rs78426726	C	G	-1.731	0.101	0.013	1.08E-65	-0.047	0.075	0.528	0.073	292.884	TRUE	1.31E-62
Allergic asthma	CTSB	cg16624891	rs1043180	T	C	-0.282	0.042	0.099	1.26E-11	-0.006	0.023	0.782	0.012	45.848	TRUE	2.45E-11
Allergic asthma	CTSB	cg16624891	rs11250166	A	G	0.364	0.032	0.206	1.30E-30	0.025	0.018	0.154	0.035	132.211	TRUE	5.09E-29
Allergic asthma	CTSB	cg16624891	rs12546793	C	G	-0.172	0.026	0.395	3.49E-11	0.020	0.014	0.138	0.012	43.857	TRUE	1.70E-10
Allergic asthma	CTSB	cg16624891	rs1692806	G	A	-0.327	0.026	0.369	6.87E-37	0.001	0.014	0.916	0.042	160.904	TRUE	8.28E-36
Allergic asthma	CTSB	cg16624891	rs17807945	T	C	0.179	0.032	0.189	1.86E-08	-0.008	0.021	0.695	0.008	31.621	TRUE	3.23E-08
Allergic asthma	CTSB	cg16624891	rs2686189	C	T	-0.224	0.027	0.324	9.26E-17	-0.013	0.016	0.398	0.018	69.084	TRUE	4.41E-16
Allergic asthma	CTSB	cg16624891	rs4841602	G	A	-0.367	0.043	0.089	1.90E-17	-0.062	0.020	0.002	0.019	72.206	TRUE	9.09E-16
Allergic asthma	CTSB	cg16624891	rs4841607	T	C	-0.243	0.026	0.381	4.52E-21	0.008	0.014	0.560	0.023	88.683	TRUE	2.38E-20
Allergic asthma	CTSB	cg16624891	rs59699307	G	A	0.245	0.032	0.184	1.18E-14	-0.011	0.018	0.547	0.016	59.540	TRUE	3.76E-14
Allergic asthma	CTSB	cg16624891	rs78566921	A	T	0.428	0.065	0.038	5.07E-11	-0.014	0.048	0.774	0.012	43.127	TRUE	9.58E-11
Allergic asthma	CTSB	cg16624891	rs804272	C	A	0.259	0.041	0.111	2.41E-10	-0.002	0.019	0.905	0.011	40.080	TRUE	3.85E-10
Allergic asthma	CTSB	cg16624891	rs804284	C	G	-0.194	0.032	0.199	1.08E-09	-0.008	0.017	0.650	0.010	37.147	TRUE	2.13E-09
Allergic asthma	CTSB	cg21281001	rs11782742	C	T	-0.191	0.025	0.436	3.25E-14	-0.048	0.014	3.78E-04	0.015	57.549	TRUE	1.33E-12
Allergic asthma	CTSB	cg21281001	rs1293310	T	C	0.671	0.026	0.334	7.20E-148	0.037	0.014	0.009	0.153	670.290	TRUE	1.92E-134
Allergic asthma	CTSB	cg21281001	rs13248757	C	T	0.226	0.028	0.285	3.46E-16	0.030	0.015	0.041	0.018	66.484	TRUE	4.93E-15
Allergic asthma	CTSB	cg21281001	rs13251528	C	G	-0.195	0.032	0.186	5.99E-10	-0.032	0.017	0.056	0.010	38.304	TRUE	3.47E-09
Allergic asthma	CTSB	cg21281001	rs13277376	A	C	0.378	0.037	0.136	5.16E-24	0.040	0.019	0.036	0.027	102.092	TRUE	2.07E-22
Allergic asthma	CTSB	cg21281001	rs17808048	A	C	-0.208	0.029	0.260	3.23E-13	-0.028	0.016	0.090	0.014	53.034	TRUE	2.35E-12
Allergic asthma	CTSB	cg21281001	rs2092004	G	A	-0.189	0.026	0.456	3.24E-13	-0.007	0.014	0.616	0.014	53.028	TRUE	8.47E-13
Allergic asthma	CTSB	cg21281001	rs2645399	T	C	-0.246	0.026	0.347	5.59E-21	-0.014	0.017	0.407	0.023	88.265	TRUE	3.83E-20
Allergic asthma	CTSB	cg21281001	rs2645426	G	C	0.203	0.026	0.389	2.17E-15	0.023	0.014	0.093	0.017	62.872	TRUE	1.99E-14
Allergic asthma	CTSB	cg21281001	rs2898292	C	T	0.268	0.046	0.094	5.62E-09	0.002	0.018	0.900	0.009	33.942	TRUE	8.38E-09
Allergic asthma	CTSB	cg21281001	rs3729853	T	C	-0.160	0.026	0.365	9.86E-10	-0.014	0.015	0.363	0.010	37.333	TRUE	2.71E-09
Allergic asthma	CTSB	cg21281001	rs4841602	G	A	-0.281	0.043	0.089	9.13E-11	-0.062	0.020	0.002	0.011	41.976	TRUE	1.45E-09
Allergic asthma	CTSB	cg21281001	rs59927118	T	C	-0.190	0.030	0.229	3.46E-10	-0.030	0.017	0.084	0.011	39.376	TRUE	1.81E-09
Allergic asthma	CTSB	cg21281001	rs61592818	A	G	-0.279	0.045	0.087	6.16E-10	-0.015	0.026	0.571	0.010	38.249	TRUE	1.34E-09
Allergic asthma	CTSB	cg21281001	rs7840525	T	G	-0.187	0.026	0.337	1.09E-12	-0.030	0.015	0.047	0.014	50.651	TRUE	9.41E-12
Allergic asthma	CTSB	cg21281001	rs78566921	A	T	0.459	0.065	0.038	1.94E-12	-0.014	0.048	0.774	0.013	49.513	TRUE	4.02E-12
Allergic asthma	CTSB	cg21281001	rs79978591	G	T	-0.261	0.025	0.446	2.56E-25	-0.053	0.014	1.83E-04	0.028	108.037	TRUE	8.61E-23
Allergic asthma	CTSB	cg21281001	rs804272	C	A	0.396	0.041	0.111	2.60E-22	-0.002	0.019	0.905	0.025	94.333	TRUE	8.96E-22
Allergic asthma	CTSB	cg21919729	rs10089520	C	T	0.434	0.032	0.176	4.68E-43	-0.035	0.020	0.077	0.049	189.128	TRUE	1.53E-40
Allergic asthma	CTSB	cg21919729	rs1043180	T	C	-0.391	0.042	0.099	5.27E-21	-0.006	0.023	0.782	0.023	88.380	TRUE	1.97E-20
Allergic asthma	CTSB	cg21919729	rs11250166	A	G	0.290	0.032	0.206	7.41E-20	0.025	0.018	0.154	0.022	83.157	TRUE	8.64E-19
Allergic asthma	CTSB	cg21919729	rs12550668	A	G	-0.168	0.026	0.396	8.60E-11	0.021	0.014	0.132	0.011	42.094	TRUE	4.08E-10
Allergic asthma	CTSB	cg21919729	rs12675568	G	A	0.149	0.026	0.371	1.38E-08	0.022	0.014	0.113	0.009	32.198	TRUE	5.38E-08
Allergic asthma	CTSB	cg21919729	rs1293308	C	G	0.523	0.071	0.031	2.06E-13	-0.039	0.052	0.454	0.014	53.918	TRUE	6.77E-13
Allergic asthma	CTSB	cg21919729	rs1293314	T	C	-0.403	0.070	0.033	6.95E-09	0.023	0.023	0.311	0.009	33.532	TRUE	1.90E-08
Allergic asthma	CTSB	cg21919729	rs2246521	A	C	-0.194	0.034	0.170	1.57E-08	-0.029	0.018	0.102	0.009	31.946	TRUE	6.31E-08
Allergic asthma	CTSB	cg21919729	rs2250556	C	T	0.227	0.040	0.279	1.78E-08	0.026	0.016	0.097	0.008	31.704	TRUE	7.22E-08
Allergic asthma	CTSB	cg21919729	rs2686189	C	T	-0.236	0.027	0.324	1.97E-18	-0.013	0.016	0.398	0.020	76.677	TRUE	1.09E-17
Allergic asthma	CTSB	cg21919729	rs4841602	G	A	-0.420	0.043	0.089	2.22E-22	-0.062	0.020	0.002	0.025	94.648	TRUE	2.30E-20

Allergic asthma	CTSB	cg21919729	rs4841607	T	C	-0.293	0.026	0.381	6.30E-30	0.008	0.014	0.560	0.034	129.075	TRUE	7.48E-29
Allergic asthma	CTSB	cg21919729	rs61592818	A	G	-0.261	0.045	0.087	8.12E-09	-0.015	0.026	0.571	0.009	33.227	TRUE	1.63E-08
Allergic asthma	CTSB	cg21919729	rs73207292	C	G	-0.460	0.082	0.026	2.23E-08	0.042	0.047	0.371	0.008	31.263	TRUE	5.40E-08
Allergic asthma	CTSB	cg21919729	rs804272	C	A	0.320	0.041	0.111	4.29E-15	-0.002	0.019	0.905	0.016	61.527	TRUE	9.03E-15
Allergic asthma	CTSB	cg21919729	rs804284	C	G	-0.222	0.032	0.199	2.76E-12	-0.008	0.017	0.650	0.013	48.823	TRUE	6.49E-12
Allergic asthma	CTSB	cg22654980	rs1043180	T	C	-0.261	0.042	0.099	4.12E-10	-0.006	0.023	0.782	0.010	39.035	TRUE	7.30E-10
Allergic asthma	CTSB	cg22654980	rs11250166	A	G	0.306	0.032	0.206	7.41E-22	0.025	0.018	0.154	0.024	92.261	TRUE	1.07E-20
Allergic asthma	CTSB	cg22654980	rs1692806	G	A	-0.288	0.026	0.369	9.66E-29	0.001	0.014	0.916	0.032	123.661	TRUE	5.48E-28
Allergic asthma	CTSB	cg22654980	rs17153785	G	A	-0.268	0.046	0.083	5.89E-09	-0.015	0.023	0.520	0.009	33.854	TRUE	1.26E-08
Allergic asthma	CTSB	cg22654980	rs4840576	G	A	-0.247	0.040	0.114	1.00E-09	0.032	0.025	0.197	0.010	37.299	TRUE	3.62E-09
Allergic asthma	CTSB	cg22654980	rs4841607	T	C	-0.188	0.026	0.381	3.98E-13	0.008	0.014	0.560	0.014	52.623	TRUE	1.11E-12
Allergic asthma	CTSB	cg22654980	rs804289	C	A	0.160	0.027	0.306	4.27E-09	-0.020	0.014	0.172	0.009	34.479	TRUE	1.52E-08
Allergic asthma	CTSZ	cg00539174	rs12479678	T	C	0.152	0.026	0.302	3.24E-09	-0.023	0.014	0.103	0.009	35.015	TRUE	1.40E-08
Allergic asthma	CTSZ	cg00539174	rs151335	A	G	0.328	0.028	0.205	1.21E-30	-0.033	0.018	0.065	0.035	132.354	TRUE	8.35E-29
Allergic asthma	CTSZ	cg00539174	rs151353	C	A	-0.164	0.024	0.489	5.54E-12	0.041	0.014	0.004	0.013	47.459	TRUE	8.85E-11
Allergic asthma	CTSZ	cg03451557	rs163787	A	G	0.236	0.029	0.190	5.11E-16	-0.041	0.018	0.024	0.017	65.719	TRUE	8.71E-15
Allergic asthma	CTSZ	cg04917472	rs151336	T	G	0.295	0.024	0.340	1.03E-33	-0.009	0.014	0.532	0.038	146.390	TRUE	1.90E-32
Allergic asthma	CTSZ	cg04917472	rs16982225	C	T	0.259	0.043	0.076	1.69E-09	0.004	0.024	0.853	0.010	36.280	TRUE	2.71E-09
Allergic asthma	CTSZ	cg04917472	rs16984980	A	C	-0.251	0.037	0.114	1.70E-11	0.057	0.026	0.031	0.012	45.263	TRUE	1.46E-10
Allergic asthma	CTSZ	cg04917472	rs235200	A	G	0.247	0.024	0.376	1.07E-24	-0.027	0.015	0.063	0.028	105.198	TRUE	3.56E-23
Allergic asthma	CTSZ	cg04917472	rs76801208	T	C	0.655	0.098	0.029	2.85E-11	-0.026	0.044	0.562	0.012	44.251	TRUE	6.91E-11
Allergic asthma	CTSZ	cg04917472	rs8183748	G	A	-0.379	0.055	0.126	6.17E-12	0.014	0.022	0.516	0.013	47.251	TRUE	1.66E-11
Allergic asthma	CTSZ	cg06125903	rs118010137	T	C	0.548	0.085	0.020	1.05E-10	-0.014	0.041	0.729	0.011	41.701	TRUE	2.04E-10
Allergic asthma	CTSZ	cg06125903	rs151336	T	G	0.304	0.024	0.340	7.41E-36	-0.009	0.014	0.532	0.041	156.181	TRUE	1.72E-34
Allergic asthma	CTSZ	cg06125903	rs16984980	A	C	-0.253	0.037	0.114	1.29E-11	0.057	0.026	0.031	0.012	45.805	TRUE	1.12E-10
Allergic asthma	CTSZ	cg06125903	rs235200	A	G	0.243	0.024	0.376	4.94E-24	-0.027	0.015	0.063	0.027	102.178	TRUE	1.51E-22
Allergic asthma	CTSZ	cg06125903	rs8183748	G	A	-0.379	0.055	0.126	6.82E-12	0.014	0.022	0.516	0.013	47.052	TRUE	1.83E-11
Allergic asthma	CTSZ	cg06385087	rs151335	A	G	-0.338	0.028	0.205	1.10E-32	-0.033	0.018	0.065	0.037	141.676	TRUE	9.92E-31
Allergic asthma	CTSZ	cg06385087	rs2145477	T	C	-0.149	0.027	0.244	4.49E-08	0.002	0.016	0.899	0.008	29.909	TRUE	6.39E-08
Allergic asthma	CTSZ	cg06385087	rs6064731	G	A	-0.182	0.026	0.302	1.17E-12	-0.023	0.014	0.103	0.013	50.506	TRUE	7.54E-12
Allergic asthma	CTSZ	cg07464217	rs12479678	T	C	0.141	0.026	0.302	4.43E-08	-0.023	0.014	0.103	0.008	29.934	TRUE	1.68E-07
Allergic asthma	CTSZ	cg07464217	rs151335	A	G	0.303	0.029	0.205	2.01E-26	-0.033	0.018	0.065	0.030	113.078	TRUE	8.16E-25
Allergic asthma	CTSZ	cg07464217	rs76801208	T	C	0.548	0.098	0.029	2.42E-08	-0.026	0.044	0.562	0.008	31.108	TRUE	4.73E-08
Allergic asthma	CTSZ	cg08545593	rs118010137	T	C	0.520	0.085	0.020	8.30E-10	-0.014	0.041	0.729	0.010	37.667	TRUE	1.52E-09
Allergic asthma	CTSZ	cg08545593	rs151335	A	G	0.182	0.029	0.205	2.07E-10	-0.033	0.018	0.065	0.011	40.379	TRUE	1.21E-09
Allergic asthma	CTSZ	cg13795831	rs118010137	T	C	0.510	0.085	0.020	1.74E-09	-0.014	0.041	0.729	0.010	36.225	TRUE	3.13E-09
Allergic asthma	CTSZ	cg13795831	rs184673	A	G	0.191	0.030	0.188	2.05E-10	-0.039	0.018	0.031	0.011	40.396	TRUE	1.51E-09
Allergic asthma	CTSZ	cg18563860	rs151336	T	G	0.254	0.024	0.340	2.34E-25	-0.009	0.014	0.532	0.028	108.212	TRUE	1.90E-24
Allergic asthma	CTSZ	cg18563860	rs235200	A	G	0.209	0.024	0.376	3.53E-18	-0.027	0.015	0.063	0.020	75.525	TRUE	5.33E-17
Allergic asthma	CTSZ	cg18563860	rs8183748	G	A	-0.385	0.055	0.126	2.87E-12	0.014	0.022	0.516	0.013	48.746	TRUE	7.93E-12
Allergic asthma	CTSZ	cg23679724	rs163780	G	C	-0.226	0.025	0.357	5.43E-20	-0.036	0.014	0.010	0.022	83.771	TRUE	2.21E-18
Allergic asthma	CTSZ	cg23679724	rs259958	C	A	0.311	0.023	0.463	5.22E-40	0.010	0.014	0.468	0.045	175.177	TRUE	2.26E-38

Allergic asthma	CTSZ	cg23907860	rs151336	T	G	0.173	0.024	0.340	1.79E-12	-0.009	0.014	0.532	0.013	49.676	TRUE	4.91E-12
Allergic asthma	CX3CL1	cg01555705	rs675841	A	G	0.238	0.028	0.214	6.91E-17	-0.007	0.018	0.695	0.018	69.661	TRUE	2.13E-16
Allergic asthma	CX3CL1	cg06166915	rs62037087	T	C	-0.426	0.054	0.051	1.97E-15	-0.086	0.041	0.037	0.017	63.064	TRUE	2.64E-14
Allergic asthma	CX3CL1	cg15195412	rs11644148	G	C	-0.232	0.030	0.175	2.17E-14	0.010	0.021	0.614	0.016	58.341	TRUE	6.20E-14
Allergic asthma	CX3CL1	cg26644853	rs72301	A	G	-0.350	0.049	0.061	1.40E-12	0.007	0.025	0.790	0.013	50.157	TRUE	2.87E-12
Allergic asthma	CXCR6	cg05705212	rs1463680	G	A	-0.151	0.026	0.290	8.42E-09	0.027	0.016	0.090	0.009	33.158	TRUE	3.64E-08
Allergic asthma	CXCR6	cg08033130	rs1034383	A	G	-0.217	0.024	0.420	5.44E-20	-0.016	0.014	0.237	0.022	83.766	TRUE	4.98E-19
Allergic asthma	CXCR6	cg08033130	rs11130092	C	T	-0.149	0.024	0.471	2.29E-10	0.007	0.014	0.600	0.011	40.177	TRUE	4.98E-10
Allergic asthma	CXCR6	cg08033130	rs113010081	C	T	0.587	0.038	0.101	1.15E-53	0.027	0.020	0.171	0.060	237.727	TRUE	9.02E-51
Allergic asthma	CXCR6	cg08033130	rs114412652	C	T	-0.505	0.060	0.039	4.80E-17	0.031	0.041	0.452	0.019	70.381	TRUE	2.14E-16
Allergic asthma	CXCR6	cg08033130	rs114932447	A	G	0.738	0.088	0.041	3.36E-17	0.081	0.081	0.320	0.019	71.084	TRUE	1.93E-16
Allergic asthma	CXCR6	cg08033130	rs115465046	C	T	-0.424	0.064	0.037	3.80E-11	-0.101	0.038	0.008	0.012	43.691	TRUE	4.55E-10
Allergic asthma	CXCR6	cg08033130	rs11718494	T	C	-0.218	0.024	0.392	8.33E-20	-0.005	0.014	0.698	0.022	82.924	TRUE	3.20E-19
Allergic asthma	CXCR6	cg08033130	rs140058837	G	A	-0.439	0.061	0.036	7.10E-13	0.028	0.067	0.681	0.014	51.488	TRUE	1.68E-12
Allergic asthma	CXCR6	cg08033130	rs148179364	G	A	0.826	0.068	0.030	1.10E-33	-0.057	0.037	0.125	0.038	146.243	TRUE	7.29E-32
Allergic asthma	CXCR6	cg08033130	rs151324211	A	C	-0.518	0.086	0.020	1.77E-09	0.015	0.042	0.719	0.010	36.192	TRUE	3.21E-09
Allergic asthma	CXCR6	cg08033130	rs1873618	C	T	-0.555	0.027	0.227	8.72E-92	0.040	0.016	0.014	0.100	412.643	TRUE	7.26E-85
Allergic asthma	CXCR6	cg08033130	rs2531748	G	A	0.186	0.034	0.322	3.80E-08	-0.019	0.014	0.174	0.008	30.234	TRUE	1.22E-07
Allergic asthma	CXCR6	cg08033130	rs2531756	A	C	-0.466	0.040	0.095	1.54E-31	-0.018	0.019	0.360	0.036	136.440	TRUE	3.38E-30
Allergic asthma	CXCR6	cg08033130	rs34801630	T	C	-0.638	0.114	0.011	2.34E-08	-0.010	0.064	0.878	0.008	31.169	TRUE	3.45E-08
Allergic asthma	CXCR6	cg08033130	rs35636998	G	A	0.509	0.032	0.170	4.09E-58	0.009	0.022	0.690	0.065	258.127	TRUE	1.04E-55
Allergic asthma	CXCR6	cg08033130	rs35937775	C	T	-0.418	0.025	0.321	2.34E-64	-0.008	0.014	0.570	0.072	286.761	TRUE	2.04E-61
Allergic asthma	CXCR6	cg08033130	rs3747519	C	T	0.164	0.023	0.480	2.27E-12	-0.004	0.014	0.778	0.013	49.206	TRUE	4.66E-12
Allergic asthma	CXCR6	cg08033130	rs3774670	T	C	0.176	0.027	0.237	1.22E-10	0.016	0.016	0.297	0.011	41.415	TRUE	4.00E-10
Allergic asthma	CXCR6	cg08033130	rs56058226	T	C	1.066	0.017	0.376	<1E-200	-0.014	0.014	0.347	0.525	4093.012	TRUE	<1E-200
Allergic asthma	CXCR6	cg08033130	rs58035200	T	C	-0.632	0.028	0.213	1.25E-115	-0.001	0.017	0.971	0.124	522.156	TRUE	5.33E-109
Allergic asthma	CXCR6	cg08033130	rs62243914	A	G	-0.415	0.039	0.100	5.09E-27	0.001	0.026	0.984	0.030	115.801	TRUE	2.24E-26
Allergic asthma	CXCR6	cg08033130	rs6782814	C	G	-0.460	0.037	0.112	1.41E-34	-0.008	0.019	0.679	0.039	150.332	TRUE	2.11E-33
Allergic asthma	CXCR6	cg08033130	rs75998249	G	C	-0.524	0.081	0.021	7.48E-11	0.052	0.063	0.413	0.011	42.365	TRUE	2.11E-10
Allergic asthma	CXCR6	cg08033130	rs77410118	G	T	-0.362	0.057	0.042	1.74E-10	-0.070	0.037	0.061	0.011	40.721	TRUE	1.05E-09
Allergic asthma	CXCR6	cg08033130	rs78608871	G	C	0.585	0.101	0.034	7.55E-09	-0.009	0.034	0.788	0.009	33.370	TRUE	1.23E-08
Allergic asthma	CXCR6	cg08033130	rs78632233	T	C	-0.430	0.075	0.063	1.07E-08	0.004	0.035	0.899	0.009	32.688	TRUE	1.58E-08
Allergic asthma	CXCR6	cg08033130	rs79944106	A	G	0.826	0.105	0.018	4.16E-15	0.012	0.038	0.751	0.016	61.587	TRUE	1.05E-14
Allergic asthma	CXCR6	cg08033130	rs9838592	T	C	0.151	0.025	0.332	1.72E-09	-0.026	0.015	0.079	0.010	36.243	TRUE	8.44E-09
Allergic asthma	CXCR6	cg08033130	rs9857669	T	C	0.360	0.032	0.153	1.55E-29	0.007	0.020	0.715	0.033	127.295	TRUE	1.32E-28
Allergic asthma	CXCR6	cg08033130	rs9877782	C	A	0.138	0.025	0.341	4.14E-08	-0.021	0.015	0.159	0.008	30.066	TRUE	1.37E-07
Allergic asthma	CXCR6	cg19145607	rs1034383	A	G	-0.217	0.024	0.420	5.15E-20	-0.016	0.014	0.237	0.022	83.876	TRUE	4.72E-19
Allergic asthma	CXCR6	cg19145607	rs11130092	C	T	-0.150	0.024	0.471	2.13E-10	0.007	0.014	0.600	0.011	40.317	TRUE	4.65E-10
Allergic asthma	CXCR6	cg19145607	rs113010081	C	T	0.564	0.038	0.101	1.27E-49	0.027	0.020	0.171	0.056	219.198	TRUE	5.51E-47
Allergic asthma	CXCR6	cg19145607	rs114412652	C	T	-0.512	0.060	0.039	1.69E-17	0.031	0.041	0.452	0.019	72.443	TRUE	7.82E-17
Allergic asthma	CXCR6	cg19145607	rs114932447	A	G	0.706	0.088	0.041	7.69E-16	0.081	0.081	0.320	0.017	64.913	TRUE	3.90E-15
Allergic asthma	CXCR6	cg19145607	rs115465046	C	T	-0.462	0.064	0.037	5.55E-13	-0.101	0.038	0.008	0.014	51.972	TRUE	8.79E-12

Allergic asthma	CXCR6	cg19145607	rs140058837	G	A	-0.363	0.061	0.036	3.14E-09	0.028	0.067	0.681	0.009	35.074	TRUE	5.82E-09
Allergic asthma	CXCR6	cg19145607	rs148179364	G	A	0.860	0.068	0.030	1.85E-36	-0.057	0.037	0.125	0.041	158.939	TRUE	1.74E-34
Allergic asthma	CXCR6	cg19145607	rs1873618	C	T	-0.594	0.027	0.227	9.68E-106	0.040	0.016	0.014	0.114	476.728	TRUE	1.98E-97
Allergic asthma	CXCR6	cg19145607	rs2088693	C	T	-0.482	0.037	0.119	1.07E-39	-0.002	0.019	0.918	0.045	173.755	TRUE	1.70E-38
Allergic asthma	CXCR6	cg19145607	rs2531756	A	C	-0.440	0.040	0.095	3.17E-28	-0.018	0.019	0.360	0.032	121.306	TRUE	4.90E-27
Allergic asthma	CXCR6	cg19145607	rs35163561	T	C	-0.279	0.050	0.056	2.36E-08	-0.005	0.029	0.863	0.008	31.157	TRUE	3.51E-08
Allergic asthma	CXCR6	cg19145607	rs35636998	G	A	0.488	0.032	0.170	2.13E-53	0.009	0.022	0.690	0.060	236.509	TRUE	2.83E-51
Allergic asthma	CXCR6	cg19145607	rs3747519	C	T	0.156	0.023	0.480	2.19E-11	-0.004	0.014	0.778	0.012	44.769	TRUE	4.22E-11
Allergic asthma	CXCR6	cg19145607	rs3774670	T	C	0.161	0.027	0.237	4.28E-09	0.016	0.016	0.297	0.009	34.472	TRUE	1.22E-08
Allergic asthma	CXCR6	cg19145607	rs41289618	C	T	-0.406	0.071	0.026	1.18E-08	0.023	0.033	0.493	0.009	32.504	TRUE	2.53E-08
Allergic asthma	CXCR6	cg19145607	rs528981126	T	G	-0.513	0.054	0.048	2.58E-21	-0.021	0.038	0.576	0.024	89.793	TRUE	1.35E-20
Allergic asthma	CXCR6	cg19145607	rs56058226	T	C	1.029	0.017	0.376	<1E-200	-0.014	0.014	0.347	0.488	3530.122	TRUE	<1E-200
Allergic asthma	CXCR6	cg19145607	rs58035200	T	C	-0.524	0.028	0.213	4.37E-78	-0.001	0.017	0.971	0.086	349.751	TRUE	1.14E-74
Allergic asthma	CXCR6	cg19145607	rs6441975	A	C	-0.413	0.025	0.324	3.02E-63	-0.009	0.014	0.529	0.071	281.666	TRUE	2.51E-60
Allergic asthma	CXCR6	cg19145607	rs75998249	G	C	-0.531	0.081	0.021	4.43E-11	0.052	0.063	0.413	0.012	43.392	TRUE	1.27E-10
Allergic asthma	CXCR6	cg19145607	rs77410118	G	T	-0.350	0.057	0.042	6.64E-10	-0.070	0.037	0.061	0.010	38.102	TRUE	3.72E-09
Allergic asthma	CXCR6	cg19145607	rs78608871	G	C	0.583	0.101	0.034	8.15E-09	-0.009	0.034	0.788	0.009	33.222	TRUE	1.33E-08
Allergic asthma	CXCR6	cg19145607	rs79944106	A	G	0.794	0.105	0.018	4.71E-14	0.012	0.038	0.751	0.015	56.817	TRUE	1.11E-13
Allergic asthma	CXCR6	cg19145607	rs9813750	A	G	-0.284	0.049	0.119	9.25E-09	0.034	0.022	0.123	0.009	32.974	TRUE	3.58E-08
Allergic asthma	CXCR6	cg19145607	rs9838592	T	C	0.138	0.025	0.332	4.16E-08	-0.026	0.015	0.079	0.008	30.058	TRUE	1.71E-07
Allergic asthma	CXCR6	cg19145607	rs9867918	C	G	0.340	0.032	0.153	2.48E-26	0.007	0.020	0.715	0.030	112.660	TRUE	1.59E-25
Allergic asthma	CXCR6	cg19145607	rs9877782	C	A	0.164	0.025	0.341	6.31E-11	-0.021	0.015	0.159	0.011	42.700	TRUE	2.82E-10
Allergic asthma	CXCR6	cg19145607	rs9880442	C	T	-0.210	0.024	0.389	1.38E-18	-0.006	0.014	0.650	0.020	77.382	TRUE	5.16E-18
Allergic asthma	CXCR6	cg26466027	rs112257251	A	G	-0.289	0.032	0.162	5.36E-19	-0.002	0.017	0.891	0.021	79.249	TRUE	1.48E-18
Allergic asthma	CXCR6	cg26466027	rs113441737	A	G	0.269	0.047	0.065	1.14E-08	0.029	0.027	0.292	0.009	32.569	TRUE	3.15E-08
Allergic asthma	CXCR6	cg26466027	rs116055491	G	A	0.589	0.093	0.014	2.25E-10	0.005	0.031	0.868	0.011	40.213	TRUE	3.73E-10
Allergic asthma	CXCR6	cg26466027	rs140301305	G	A	0.709	0.120	0.011	4.04E-09	0.053	0.057	0.353	0.009	34.586	TRUE	1.07E-08
Allergic asthma	CXCR6	cg26466027	rs148179364	G	A	0.413	0.069	0.030	1.81E-09	-0.057	0.037	0.125	0.010	36.150	TRUE	7.55E-09
Allergic asthma	CXCR6	cg26466027	rs1542754	C	T	0.216	0.026	0.294	1.22E-16	-0.009	0.015	0.571	0.018	68.539	TRUE	4.39E-16
Allergic asthma	CXCR6	cg26466027	rs4317138	C	T	-0.279	0.025	0.336	7.70E-30	-0.012	0.014	0.398	0.034	128.679	TRUE	1.28E-28
Allergic asthma	CXCR6	cg26466027	rs62242789	T	C	-0.343	0.039	0.096	2.74E-18	0.011	0.025	0.655	0.020	76.030	TRUE	9.93E-18
Allergic asthma	CXCR6	cg26466027	rs6778559	C	T	0.159	0.025	0.322	2.48E-10	-0.018	0.014	0.181	0.011	40.028	TRUE	9.86E-10
Allergic asthma	CXCR6	cg26466027	rs71325089	G	C	0.253	0.031	0.176	4.93E-16	-0.009	0.017	0.575	0.017	65.787	TRUE	1.68E-15
Allergic asthma	CXCR6	cg26466027	rs758390	T	C	-0.408	0.043	0.078	9.14E-22	0.033	0.025	0.186	0.024	91.845	TRUE	1.17E-20
Allergic asthma	CXCR6	cg26466027	rs75998249	G	C	-0.441	0.080	0.021	4.19E-08	0.052	0.063	0.413	0.008	30.044	TRUE	9.41E-08
Allergic asthma	CXCR6	cg26466027	rs7638902	A	G	0.163	0.027	0.266	1.92E-09	-0.010	0.015	0.503	0.010	36.038	TRUE	4.33E-09
Allergic asthma	CXCR6	cg26466027	rs77132719	A	T	-0.448	0.041	0.094	2.38E-28	-0.019	0.023	0.410	0.032	121.875	TRUE	3.31E-27
Allergic asthma	CXCR6	cg26466027	rs77182227	A	G	-0.306	0.043	0.076	7.01E-13	0.024	0.036	0.505	0.014	51.513	TRUE	2.06E-12
Allergic asthma	CXCR6	cg26466027	rs9838450	C	A	0.647	0.033	0.146	5.49E-84	-0.013	0.017	0.443	0.092	376.834	TRUE	2.05E-79
Allergic asthma	DAP	cg05473987	rs2964786	T	C	-0.195	0.027	0.257	4.79E-13	0.034	0.017	0.040	0.014	52.262	TRUE	4.60E-12
Allergic asthma	DAP	cg14129473	rs267942	C	T	-0.381	0.040	0.098	9.99E-22	0.038	0.023	0.092	0.024	91.669	TRUE	1.91E-20
Allergic asthma	DAP	cg14129473	rs2918398	A	G	-0.138	0.025	0.347	2.94E-08	0.038	0.015	0.011	0.008	30.729	TRUE	2.04E-07

Allergic asthma	DAP	cg14662675	rs115180707	A	G	0.650	0.083	0.020	3.72E-15	0.042	0.090	0.640	0.016	61.809	TRUE	1.09E-14
Allergic asthma	DAP	cg14662675	rs12653693	A	G	0.641	0.095	0.017	1.55E-11	0.027	0.029	0.348	0.012	45.450	TRUE	5.08E-11
Allergic asthma	DAP	cg14662675	rs1470023	T	C	0.340	0.034	0.136	9.38E-24	0.022	0.020	0.252	0.027	100.907	TRUE	1.21E-22
Allergic asthma	DAP	cg14662675	rs28664648	C	G	0.730	0.024	0.292	3.18E-196	0.019	0.014	0.190	0.194	892.569	TRUE	9.34E-178
Allergic asthma	DAP	cg14662675	rs2918392	C	T	0.258	0.025	0.354	1.18E-25	0.044	0.015	0.003	0.029	109.572	TRUE	1.62E-23
Allergic asthma	DAP	cg14662675	rs55696181	A	G	0.613	0.051	0.059	5.12E-33	0.113	0.034	8.01E-04	0.037	143.196	TRUE	3.80E-30
Allergic asthma	DAP	cg14662675	rs72744342	A	G	-0.265	0.046	0.073	1.09E-08	-0.075	0.041	0.065	0.009	32.648	TRUE	5.15E-08
Allergic asthma	DAP	cg14662675	rs75503268	A	G	0.251	0.041	0.093	8.01E-10	0.014	0.017	0.425	0.010	37.738	TRUE	2.04E-09
Allergic asthma	DAP	cg14662675	rs852604	G	T	-0.199	0.024	0.356	2.88E-16	0.018	0.015	0.216	0.018	66.849	TRUE	1.91E-15
Allergic asthma	DAP	cg17665505	rs5745272	C	A	0.343	0.036	0.128	1.02E-21	0.059	0.021	0.006	0.024	91.620	TRUE	6.30E-20
Allergic asthma	DAP	cg18867653	rs11740244	C	G	0.253	0.027	0.241	7.14E-21	0.027	0.015	0.073	0.023	87.782	TRUE	1.39E-19
Allergic asthma	DAP	cg18867653	rs2399965	C	A	0.483	0.029	0.199	2.22E-61	0.012	0.018	0.493	0.069	273.103	TRUE	1.55E-58
Allergic asthma	DAP	cg18867653	rs3776415	C	A	0.178	0.030	0.185	3.73E-09	0.045	0.020	0.020	0.009	34.742	TRUE	2.57E-08
Allergic asthma	DAP	cg18867653	rs76068039	C	T	0.630	0.077	0.026	1.85E-16	0.044	0.060	0.461	0.018	67.724	TRUE	7.73E-16
Allergic asthma	DAP	cg25143743	rs17831254	T	C	-1.286	0.049	0.058	1.97E-153	0.109	0.035	0.002	0.158	695.860	TRUE	1.20E-138
Allergic asthma	DAP	cg25143743	rs267985	G	A	-0.178	0.024	0.357	2.94E-13	0.043	0.015	0.003	0.014	53.217	TRUE	6.05E-12
Allergic asthma	DAP	cg25143743	rs4701883	G	T	-0.171	0.025	0.295	1.50E-11	0.020	0.014	0.156	0.012	45.512	TRUE	7.21E-11
Allergic asthma	DAP	cg25143743	rs4702760	C	A	-0.195	0.026	0.316	2.22E-14	0.008	0.014	0.542	0.016	58.297	TRUE	6.96E-14
Allergic asthma	DAP	cg25143743	rs73741224	C	T	-0.862	0.094	0.017	4.38E-20	0.050	0.043	0.244	0.022	84.196	TRUE	3.96E-19
Allergic asthma	DAPK2	cg01859228	rs11071770	T	C	0.329	0.027	0.269	2.41E-35	0.000	0.014	0.980	0.040	153.840	TRUE	2.21E-34
Allergic asthma	DAPK2	cg01859228	rs11854930	C	T	0.255	0.037	0.104	5.31E-12	0.042	0.020	0.033	0.013	47.542	TRUE	4.75E-11
Allergic asthma	DAPK2	cg01859228	rs11857703	G	A	0.149	0.023	0.492	2.05E-10	-0.003	0.014	0.833	0.011	40.398	TRUE	3.52E-10
Allergic asthma	DAPK2	cg01859228	rs17788807	T	C	0.330	0.029	0.196	4.42E-29	0.027	0.017	0.112	0.033	125.213	TRUE	1.79E-27
Allergic asthma	DAPK2	cg01859228	rs28729238	G	T	-0.826	0.021	0.349	<1E-200	-0.044	0.014	0.002	0.286	1481.855	TRUE	1.02E-278
Allergic asthma	DAPK2	cg01859228	rs332286	C	G	0.340	0.034	0.143	8.45E-24	-0.008	0.020	0.700	0.027	101.113	TRUE	4.47E-23
Allergic asthma	DAPK2	cg01859228	rs4777602	G	A	0.198	0.034	0.140	6.79E-09	0.027	0.017	0.117	0.009	33.576	TRUE	2.72E-08
Allergic asthma	DAPK2	cg01859228	rs4984288	C	T	-0.197	0.024	0.385	3.13E-16	-0.001	0.014	0.918	0.018	66.684	TRUE	6.96E-16
Allergic asthma	DAPK2	cg01859228	rs62023137	T	A	0.404	0.036	0.130	2.16E-29	-0.007	0.018	0.685	0.033	126.628	TRUE	1.93E-28
Allergic asthma	DAPK2	cg01859228	rs62023393	T	C	-0.307	0.053	0.144	5.58E-09	-0.004	0.021	0.847	0.009	33.957	TRUE	8.72E-09
Allergic asthma	DAPK2	cg01859228	rs6494466	A	G	0.186	0.027	0.263	7.74E-12	0.042	0.016	0.008	0.012	46.804	TRUE	1.03E-10
Allergic asthma	DAPK2	cg01859228	rs7183733	T	C	0.185	0.025	0.330	2.24E-13	-0.003	0.015	0.824	0.014	53.753	TRUE	4.65E-13
Allergic asthma	DAPK2	cg01859228	rs72750970	G	A	-0.536	0.060	0.048	6.91E-19	0.015	0.028	0.597	0.021	78.747	TRUE	2.86E-18
Allergic asthma	DAPK2	cg01859228	rs72752943	A	G	-0.425	0.032	0.146	5.27E-40	-0.018	0.019	0.339	0.045	175.161	TRUE	3.24E-38
Allergic asthma	DAPK2	cg01859228	rs72755006	G	A	0.341	0.044	0.077	1.37E-14	0.016	0.023	0.496	0.016	59.247	TRUE	4.66E-14
Allergic asthma	DAPK2	cg01859228	rs9921010	C	A	-0.234	0.039	0.089	2.31E-09	-0.038	0.022	0.082	0.010	35.678	TRUE	1.10E-08
Allergic asthma	DAPK2	cg02919090	rs1018215	C	G	0.167	0.024	0.368	4.40E-12	-0.006	0.015	0.664	0.013	47.910	TRUE	1.00E-11
Allergic asthma	DAPK2	cg02919090	rs10851733	T	C	0.804	0.021	0.398	<1E-200	-0.035	0.014	0.013	0.289	1502.135	TRUE	2.92E-283
Allergic asthma	DAPK2	cg02919090	rs112479057	A	G	-0.354	0.063	0.036	2.31E-08	0.075	0.066	0.258	0.008	31.198	TRUE	6.52E-08
Allergic asthma	DAPK2	cg02919090	rs11630556	C	T	-0.371	0.036	0.136	2.26E-25	-0.007	0.019	0.707	0.028	108.288	TRUE	1.35E-24
Allergic asthma	DAPK2	cg02919090	rs12441911	G	A	0.162	0.027	0.247	1.90E-09	0.001	0.015	0.974	0.010	36.051	TRUE	2.72E-09
Allergic asthma	DAPK2	cg02919090	rs12593770	A	G	-0.238	0.041	0.089	6.83E-09	0.010	0.021	0.639	0.009	33.566	TRUE	1.29E-08
Allergic asthma	DAPK2	cg02919090	rs16947645	T	C	-0.349	0.026	0.302	1.55E-42	0.021	0.015	0.157	0.048	186.743	TRUE	2.70E-40

Allergic asthma	DAPK2	cg02919090	rs1802376	A	G	-0.481	0.087	0.020	3.35E-08	0.011	0.042	0.797	0.008	30.478	TRUE	5.23E-08
Allergic asthma	DAPK2	cg02919090	rs1903325	T	A	0.366	0.051	0.053	1.25E-12	0.049	0.034	0.147	0.013	50.379	TRUE	6.92E-12
Allergic asthma	DAPK2	cg02919090	rs192816899	C	T	-0.745	0.114	0.023	7.21E-11	0.016	0.046	0.727	0.011	42.437	TRUE	1.42E-10
Allergic asthma	DAPK2	cg02919090	rs28808148	C	T	-0.458	0.044	0.077	1.00E-25	0.048	0.022	0.031	0.029	109.897	TRUE	5.40E-24
Allergic asthma	DAPK2	cg02919090	rs332270	G	C	0.230	0.038	0.221	1.86E-09	0.002	0.016	0.908	0.010	36.098	TRUE	2.82E-09
Allergic asthma	DAPK2	cg02919090	rs4984291	A	G	0.215	0.023	0.452	4.72E-20	-0.018	0.014	0.180	0.022	84.049	TRUE	5.14E-19
Allergic asthma	DAPK2	cg02919090	rs56113145	A	G	-0.372	0.055	0.050	1.91E-11	0.045	0.036	0.209	0.012	45.040	TRUE	7.98E-11
Allergic asthma	DAPK2	cg02919090	rs7178762	C	T	-0.322	0.024	0.460	2.42E-42	0.021	0.014	0.120	0.048	185.862	TRUE	5.11E-40
Allergic asthma	DAPK2	cg02919090	rs7183733	T	C	-0.172	0.025	0.330	8.36E-12	-0.003	0.015	0.824	0.012	46.655	TRUE	1.57E-11
Allergic asthma	DAPK2	cg02919090	rs72750970	G	A	0.605	0.060	0.048	9.52E-24	0.015	0.028	0.597	0.027	100.876	TRUE	5.94E-23
Allergic asthma	DAPK2	cg02919090	rs72752943	A	G	0.444	0.032	0.146	1.16E-43	-0.018	0.019	0.339	0.049	191.908	TRUE	1.12E-41
Allergic asthma	DAPK2	cg02919090	rs72755006	G	A	-0.332	0.044	0.077	6.76E-14	0.016	0.023	0.496	0.015	56.108	TRUE	2.18E-13
Allergic asthma	DAPK2	cg02919090	rs79488359	G	T	-0.286	0.041	0.095	2.00E-12	0.020	0.022	0.360	0.013	49.460	TRUE	6.96E-12
Allergic asthma	DAPK2	cg02919090	rs80265779	G	A	0.213	0.033	0.148	8.80E-11	-0.066	0.020	9.55E-04	0.011	42.048	TRUE	1.59E-09
Allergic asthma	DAPK2	cg02919090	rs8033972	A	G	-0.197	0.027	0.262	4.85E-13	0.043	0.016	0.007	0.014	52.238	TRUE	8.01E-12
Allergic asthma	DAPK2	cg02919090	rs9652430	T	A	-0.294	0.034	0.148	2.22E-18	0.018	0.018	0.327	0.020	76.441	TRUE	1.40E-17
Allergic asthma	DAPK2	cg02919090	rs9921010	C	A	0.252	0.039	0.089	1.21E-10	-0.038	0.022	0.082	0.011	41.420	TRUE	6.74E-10
Allergic asthma	DAPK2	cg06904649	rs4776710	G	A	-0.189	0.023	0.466	7.34E-16	0.023	0.014	0.086	0.017	65.006	TRUE	7.37E-15
Allergic asthma	DAPK2	cg07619672	rs332276	C	T	0.280	0.034	0.145	6.46E-17	-0.007	0.020	0.712	0.019	69.795	TRUE	1.95E-16
Allergic asthma	DAPK2	cg11775215	rs16947140	T	C	-0.186	0.033	0.136	1.07E-08	-0.038	0.024	0.102	0.009	32.689	TRUE	4.39E-08
Allergic asthma	DAPK2	cg11775215	rs78181809	A	G	-0.899	0.058	0.035	2.28E-53	0.002	0.043	0.964	0.060	236.369	TRUE	1.60E-51
Allergic asthma	DAPK2	cg13645296	rs9972469	A	C	0.231	0.024	0.448	1.31E-22	-0.026	0.014	0.061	0.025	95.681	TRUE	3.43E-21
Allergic asthma	DAPK2	cg23165541	rs12912128	C	T	-0.174	0.031	0.172	3.10E-08	0.001	0.019	0.974	0.008	30.627	TRUE	4.18E-08
Allergic asthma	DAPK2	cg24729988	rs12902972	T	C	-0.172	0.023	0.464	1.41E-13	0.026	0.014	0.057	0.015	54.665	TRUE	1.28E-12
Allergic asthma	DBH	cg06708731	rs10993769	T	C	0.218	0.025	0.333	4.53E-18	0.015	0.014	0.286	0.020	75.035	TRUE	3.04E-17
Allergic asthma	DBH	cg06708731	rs522673	T	C	-0.158	0.028	0.226	1.32E-08	-0.026	0.017	0.136	0.009	32.281	TRUE	4.87E-08
Allergic asthma	DBH	cg13521156	rs1076150	T	C	-0.158	0.023	0.487	1.68E-11	0.012	0.014	0.356	0.012	45.292	TRUE	5.42E-11
Allergic asthma	DBH	cg13521156	rs3025403	T	C	0.289	0.045	0.071	1.38E-10	-0.053	0.039	0.177	0.011	41.174	TRUE	5.67E-10
Allergic asthma	DBH	cg13651137	rs10993770	A	C	-0.218	0.025	0.335	4.58E-18	0.015	0.014	0.283	0.020	75.013	TRUE	3.09E-17
Allergic asthma	DBH	cg13651137	rs476835	G	C	0.259	0.025	0.305	2.02E-24	-0.012	0.014	0.390	0.027	103.943	TRUE	1.99E-23
Allergic asthma	DBH	cg13651137	rs9409876	A	C	0.197	0.029	0.200	6.56E-12	-0.007	0.018	0.715	0.013	47.129	TRUE	1.40E-11
Allergic asthma	DBH	cg14007688	rs10993958	A	G	0.411	0.065	0.083	2.01E-10	-0.014	0.026	0.591	0.011	40.439	TRUE	4.42E-10
Allergic asthma	DBH	cg14007688	rs112729928	T	C	-1.051	0.116	0.026	1.45E-19	0.071	0.034	0.039	0.022	81.824	TRUE	3.23E-18
Allergic asthma	DBH	cg14007688	rs117630211	G	A	-0.891	0.074	0.027	1.29E-33	-0.024	0.034	0.477	0.038	145.931	TRUE	2.67E-32
Allergic asthma	DBH	cg14007688	rs118160162	C	T	0.413	0.064	0.030	7.59E-11	-0.047	0.043	0.284	0.011	42.338	TRUE	2.60E-10
Allergic asthma	DBH	cg14007688	rs129885	A	C	0.443	0.028	0.198	7.81E-55	-0.007	0.018	0.722	0.062	243.088	TRUE	1.16E-52
Allergic asthma	DBH	cg14007688	rs13290909	C	T	-0.270	0.045	0.075	1.35E-09	0.059	0.020	0.003	0.010	36.719	TRUE	1.58E-08
Allergic asthma	DBH	cg14007688	rs148878363	G	A	-0.773	0.104	0.025	1.31E-13	0.027	0.063	0.667	0.015	54.806	TRUE	3.31E-13
Allergic asthma	DBH	cg14007688	rs1548368	A	G	0.394	0.023	0.468	1.58E-64	-0.016	0.014	0.240	0.072	287.541	TRUE	4.65E-61
Allergic asthma	DBH	cg14007688	rs2510245	G	A	-0.346	0.024	0.421	1.50E-48	0.027	0.014	0.056	0.055	214.295	TRUE	1.38E-45
Allergic asthma	DBH	cg14007688	rs2519150	C	T	-0.172	0.023	0.494	2.39E-13	-0.002	0.014	0.875	0.014	53.627	TRUE	4.67E-13
Allergic asthma	DBH	cg14007688	rs3025422	C	T	-0.735	0.131	0.015	1.89E-08	-0.025	0.032	0.435	0.008	31.589	TRUE	4.26E-08

Allergic asthma	DBH	cg14007688	rs59164034	G	C	0.398	0.034	0.138	1.80E-32	0.032	0.023	0.163	0.037	140.697	TRUE	8.49E-31
Allergic asthma	DBH	cg14007688	rs62575417	C	T	-0.453	0.051	0.101	1.31E-18	0.030	0.022	0.174	0.021	77.489	TRUE	1.25E-17
Allergic asthma	DBH	cg14007688	rs7851898	C	G	-1.138	0.020	0.237	<1E-200	0.013	0.015	0.362	0.459	3142.276	TRUE	<1E-200
Allergic asthma	DBH	cg14138047	rs1611115	T	C	-0.202	0.029	0.193	4.24E-12	0.039	0.018	0.032	0.013	47.983	TRUE	3.89E-11
Allergic asthma	DBH	cg14138047	rs2073837	A	G	-0.375	0.026	0.291	6.22E-48	0.010	0.014	0.483	0.054	211.462	TRUE	6.86E-46
Allergic asthma	DBH	cg14138047	rs694821	C	T	-0.202	0.024	0.452	2.57E-17	0.016	0.014	0.227	0.019	71.611	TRUE	1.84E-16
Allergic asthma	DBH	cg14138047	rs9409879	G	C	0.234	0.030	0.171	1.43E-14	-0.005	0.019	0.801	0.016	59.155	TRUE	3.30E-14
Allergic asthma	DBH	cg14368247	rs7864658	G	A	0.176	0.031	0.492	1.71E-08	-0.033	0.014	0.015	0.009	31.776	TRUE	1.15E-07
Allergic asthma	DBH	cg14581628	rs10993769	T	C	0.284	0.025	0.333	1.52E-29	0.015	0.014	0.286	0.033	127.330	TRUE	3.29E-28
Allergic asthma	DBH	cg14581628	rs2519153	C	A	0.178	0.025	0.324	1.10E-12	-0.002	0.014	0.886	0.014	50.624	TRUE	2.05E-12
Allergic asthma	DBH	cg25020204	rs10993770	A	C	0.170	0.025	0.335	1.58E-11	0.015	0.014	0.283	0.012	45.406	TRUE	5.77E-11
Allergic asthma	DBH	cg25020204	rs1611114	T	C	-0.315	0.027	0.265	2.13E-32	-0.009	0.014	0.511	0.037	140.366	TRUE	3.59E-31
Allergic asthma	DBH	cg25020204	rs6479629	T	C	0.146	0.025	0.297	9.01E-09	0.008	0.015	0.601	0.009	33.026	TRUE	1.75E-08
Allergic asthma	DEDD	cg15516558	rs11265558	G	A	0.538	0.024	0.364	3.43E-113	-0.030	0.014	0.039	0.121	510.947	TRUE	1.64E-104
Allergic asthma	DEDD	cg15516558	rs12118313	C	A	0.204	0.029	0.215	1.41E-12	0.008	0.016	0.628	0.013	50.140	TRUE	3.48E-12
Allergic asthma	DEDD	cg15516558	rs1411614	G	A	0.206	0.027	0.247	1.49E-14	-0.005	0.016	0.746	0.016	59.082	TRUE	3.65E-14
Allergic asthma	DEDD	cg15516558	rs142266799	T	C	0.422	0.059	0.043	6.61E-13	0.027	0.034	0.439	0.014	51.629	TRUE	2.13E-12
Allergic asthma	DEDD	cg15516558	rs4265446	G	A	0.207	0.030	0.178	1.06E-11	-0.035	0.018	0.059	0.012	46.180	TRUE	7.55E-11
Allergic asthma	DEDD	cg15516558	rs4656292	A	G	-0.145	0.024	0.388	2.37E-09	-0.015	0.014	0.287	0.010	35.623	TRUE	7.03E-09
Allergic asthma	DEDD	cg15516558	rs6427588	G	A	-0.133	0.024	0.395	4.62E-08	0.006	0.014	0.655	0.008	29.854	TRUE	8.11E-08
Allergic asthma	DEDD	cg15516558	rs77584890	T	C	0.367	0.053	0.049	3.59E-12	-0.001	0.032	0.984	0.013	48.311	TRUE	5.84E-12
Allergic asthma	DEPDC5	cg01249860	rs117858155	T	C	0.589	0.083	0.019	1.03E-12	-0.093	0.055	0.089	0.014	50.761	TRUE	7.06E-12
Allergic asthma	DEPDC5	cg01249860	rs149516999	A	G	0.628	0.081	0.022	6.27E-15	0.076	0.044	0.082	0.016	60.783	TRUE	5.76E-14
Allergic asthma	DEPDC5	cg01249860	rs5998152	C	T	0.158	0.027	0.249	5.92E-09	-0.022	0.015	0.135	0.009	33.841	TRUE	2.27E-08
Allergic asthma	DEPDC5	cg04112842	rs5998151	A	G	-0.334	0.038	0.101	9.70E-19	-0.040	0.017	0.019	0.021	78.076	TRUE	2.57E-17
Allergic asthma	DEPDC5	cg13263830	rs11089505	G	A	-0.323	0.055	0.100	4.99E-09	-0.032	0.019	0.093	0.009	34.175	TRUE	2.19E-08
Allergic asthma	DEPDC5	cg13263830	rs111658926	C	T	-0.798	0.039	0.102	4.00E-92	-0.037	0.021	0.083	0.101	414.197	TRUE	6.82E-86
Allergic asthma	DEPDC5	cg13263830	rs12158564	G	A	-0.302	0.025	0.322	8.08E-34	0.028	0.015	0.069	0.038	146.864	TRUE	8.11E-32
Allergic asthma	DEPDC5	cg13263830	rs13053841	T	C	-0.314	0.053	0.058	2.99E-09	0.016	0.020	0.411	0.009	35.174	TRUE	7.40E-09
Allergic asthma	DEPDC5	cg13263830	rs141788358	A	G	0.522	0.083	0.022	2.74E-10	0.074	0.084	0.373	0.011	39.831	TRUE	7.78E-10
Allergic asthma	DEPDC5	cg13263830	rs151192056	T	C	-0.339	0.058	0.042	4.61E-09	0.078	0.039	0.046	0.009	34.327	TRUE	2.53E-08
Allergic asthma	DEPDC5	cg13263830	rs185079005	C	T	-0.433	0.027	0.242	2.92E-56	0.009	0.018	0.592	0.063	249.634	TRUE	7.34E-54
Allergic asthma	DEPDC5	cg13263830	rs2040981	C	A	-1.412	0.037	0.087	<1E-200	0.005	0.021	0.795	0.281	1444.307	TRUE	1.54E-277
Allergic asthma	DEPDC5	cg13263830	rs2157212	A	C	-0.668	0.036	0.118	3.13E-75	-0.006	0.024	0.790	0.083	336.647	TRUE	8.34E-72
Allergic asthma	DEPDC5	cg13263830	rs2412999	G	A	-0.258	0.024	0.445	5.87E-28	0.003	0.014	0.797	0.031	120.083	TRUE	3.79E-27
Allergic asthma	DEPDC5	cg13263830	rs4820910	T	A	-0.209	0.031	0.159	3.15E-11	-0.033	0.015	0.026	0.012	44.058	TRUE	2.74E-10
Allergic asthma	DEPDC5	cg13263830	rs55911547	T	A	-0.395	0.030	0.175	2.41E-39	0.019	0.017	0.264	0.044	172.136	TRUE	1.75E-37
Allergic asthma	DEPDC5	cg13263830	rs5749334	A	C	0.821	0.019	0.446	<1E-200	-0.010	0.014	0.469	0.331	1828.366	TRUE	<1E-200
Allergic asthma	DEPDC5	cg13263830	rs5753356	A	G	-0.185	0.025	0.367	6.41E-14	-0.019	0.014	0.163	0.015	56.211	TRUE	3.88E-13
Allergic asthma	DEPDC5	cg13263830	rs5753472	G	A	-0.280	0.032	0.426	2.02E-18	0.011	0.014	0.428	0.020	76.631	TRUE	1.06E-17
Allergic asthma	DEPDC5	cg13263830	rs5998284	T	C	-0.322	0.032	0.172	7.92E-24	-0.013	0.016	0.418	0.027	101.242	TRUE	6.93E-23
Allergic asthma	DEPDC5	cg13263830	rs62236130	A	G	0.378	0.034	0.131	7.93E-29	0.002	0.019	0.899	0.032	124.053	TRUE	4.66E-28

Allergic asthma	DEPDC5	cg13263830	rs6518765	C	A	0.268	0.033	0.346	6.33E-16	-0.012	0.014	0.422	0.017	65.297	TRUE	2.69E-15
Allergic asthma	DEPDC5	cg13263830	rs714023	A	G	0.196	0.035	0.132	2.07E-08	-0.041	0.018	0.020	0.008	31.415	TRUE	1.28E-07
Allergic asthma	DEPDC5	cg13263830	rs75481064	G	A	0.265	0.045	0.080	4.99E-09	0.023	0.028	0.396	0.009	34.176	TRUE	1.24E-08
Allergic asthma	DEPDC5	cg13263830	rs76900875	A	G	-0.259	0.046	0.066	2.10E-08	-0.022	0.025	0.380	0.008	31.384	TRUE	5.03E-08
Allergic asthma	DEPDC5	cg13263830	rs77339855	T	A	-0.904	0.142	0.012	1.86E-10	0.030	0.078	0.700	0.011	40.591	TRUE	3.65E-10
Allergic asthma	DEPDC5	cg13263830	rs77664819	A	G	0.372	0.064	0.065	7.51E-09	-0.029	0.022	0.199	0.009	33.379	TRUE	2.47E-08
Allergic asthma	DEPDC5	cg13263830	rs8140888	A	G	-0.226	0.031	0.172	2.27E-13	-0.012	0.017	0.488	0.014	53.724	TRUE	7.10E-13
Allergic asthma	DEPDC5	cg13263830	rs9606808	C	T	-0.176	0.027	0.256	9.65E-11	0.004	0.015	0.808	0.011	41.869	TRUE	1.73E-10
Allergic asthma	DEPDC5	cg13263830	rs9609388	A	G	-0.240	0.040	0.095	2.23E-09	0.060	0.028	0.030	0.010	35.745	TRUE	1.43E-08
Allergic asthma	DPP4	cg04512966	rs12614520	C	T	0.832	0.122	0.016	7.87E-12	0.161	0.099	0.105	0.012	46.773	TRUE	4.57E-11
Allergic asthma	DPP4	cg10112391	rs1861978	G	T	0.170	0.024	0.363	1.77E-12	-0.019	0.016	0.243	0.013	49.698	TRUE	7.62E-12
Allergic asthma	DPP4	cg12335708	rs76339676	G	A	0.195	0.029	0.205	1.40E-11	0.046	0.018	0.010	0.012	45.649	TRUE	1.67E-10
Allergic asthma	DPP4	cg14022057	rs1861978	G	T	0.470	0.024	0.363	5.84E-86	-0.019	0.016	0.243	0.094	385.892	TRUE	7.78E-81
Allergic asthma	DPP4	cg14022057	rs2909449	G	A	0.161	0.024	0.451	1.47E-11	-0.015	0.014	0.285	0.012	45.547	TRUE	5.37E-11
Allergic asthma	DPP4	cg14022057	rs77999304	A	C	-0.221	0.031	0.167	1.89E-12	0.041	0.020	0.039	0.013	49.571	TRUE	1.69E-11
Allergic asthma	DPP4	cg18892517	rs35128070	A	G	0.164	0.024	0.363	1.02E-11	-0.019	0.016	0.246	0.012	46.259	TRUE	4.08E-11
Allergic asthma	DPP4	cg19350270	rs10930037	G	A	0.188	0.025	0.316	1.73E-13	-0.021	0.016	0.180	0.014	54.255	TRUE	9.58E-13
Allergic asthma	DPP4	cg19350270	rs113197479	A	C	-0.519	0.082	0.032	2.55E-10	0.090	0.057	0.114	0.011	39.969	TRUE	1.21E-09
Allergic asthma	DPP4	cg19350270	rs12233178	G	A	-0.297	0.050	0.060	2.44E-09	0.007	0.024	0.779	0.010	35.570	TRUE	4.14E-09
Allergic asthma	DPP4	cg19350270	rs1267079	C	T	-0.164	0.026	0.281	1.82E-10	0.014	0.015	0.349	0.011	40.629	TRUE	5.44E-10
Allergic asthma	DPP4	cg19350270	rs13035499	T	A	0.314	0.049	0.061	1.29E-10	-0.010	0.050	0.848	0.011	41.303	TRUE	2.21E-10
Allergic asthma	DPP4	cg19350270	rs1990760	C	T	-0.132	0.024	0.391	4.63E-08	0.019	0.014	0.173	0.008	29.848	TRUE	1.48E-07
Allergic asthma	DPP4	cg19350270	rs1990761	G	A	0.239	0.033	0.382	2.97E-13	-0.001	0.014	0.922	0.014	53.198	TRUE	5.49E-13
Allergic asthma	DPP4	cg19350270	rs34536659	C	G	0.806	0.021	0.386	<1E-200	-0.017	0.015	0.281	0.283	1458.862	TRUE	1.59E-278
Allergic asthma	DPP4	cg19350270	rs35733101	C	T	-0.326	0.039	0.228	3.27E-17	0.013	0.017	0.463	0.019	71.134	TRUE	1.45E-16
Allergic asthma	DPP4	cg19350270	rs41268649	T	C	0.384	0.053	0.046	4.14E-13	-0.063	0.041	0.126	0.014	52.549	TRUE	2.58E-12
Allergic asthma	DPP4	cg19350270	rs41268651	C	T	0.600	0.087	0.023	4.31E-12	-0.104	0.056	0.063	0.013	47.950	TRUE	3.14E-11
Allergic asthma	DPP4	cg19350270	rs4664443	G	A	-0.175	0.024	0.365	7.79E-13	-0.004	0.014	0.759	0.014	51.308	TRUE	1.68E-12
Allergic asthma	DPP4	cg19350270	rs741529	A	G	-0.384	0.050	0.108	1.29E-14	0.022	0.029	0.450	0.016	59.367	TRUE	4.70E-14
Allergic asthma	DPP4	cg21565914	rs73009181	T	A	0.210	0.027	0.247	1.13E-14	0.042	0.016	0.007	0.016	59.620	TRUE	2.35E-13
Allergic asthma	E2F2	cg03333582	rs2092085	A	G	0.216	0.027	0.258	7.20E-16	-0.005	0.015	0.751	0.017	65.043	TRUE	1.92E-15
Allergic asthma	E2F2	cg03333582	rs3218205	C	T	-0.390	0.063	0.040	6.15E-10	0.021	0.023	0.373	0.010	38.253	TRUE	1.70E-09
Allergic asthma	E2F2	cg11526198	rs11591199	T	C	0.574	0.045	0.072	1.82E-37	-0.065	0.029	0.025	0.042	163.539	TRUE	5.61E-35
Allergic asthma	E2F2	cg11526198	rs877930	A	G	0.445	0.064	0.040	2.58E-12	0.029	0.024	0.225	0.013	48.954	TRUE	1.14E-11
Allergic asthma	E2F2	cg11526198	rs909534	A	G	-0.135	0.024	0.410	1.27E-08	-0.008	0.014	0.570	0.009	32.366	TRUE	2.51E-08
Allergic asthma	E2F2	cg22040403	rs10917376	T	C	0.232	0.038	0.228	1.39E-09	-0.013	0.016	0.421	0.010	36.657	TRUE	3.51E-09
Allergic asthma	E2F2	cg22040403	rs113251274	G	C	0.223	0.037	0.116	1.65E-09	0.016	0.023	0.493	0.010	36.334	TRUE	3.78E-09
Allergic asthma	E2F2	cg22040403	rs113837560	A	G	0.294	0.048	0.072	9.12E-10	0.007	0.026	0.791	0.010	37.485	TRUE	1.57E-09
Allergic asthma	E2F2	cg22040403	rs12144921	C	T	0.590	0.051	0.051	3.51E-31	-0.005	0.032	0.877	0.035	134.808	TRUE	2.63E-30
Allergic asthma	E2F2	cg22040403	rs16828926	A	G	0.198	0.033	0.142	3.50E-09	-0.020	0.025	0.424	0.009	34.864	TRUE	8.49E-09
Allergic asthma	E2F2	cg22040403	rs2282724	T	C	0.654	0.064	0.040	1.28E-24	0.029	0.024	0.229	0.028	104.845	TRUE	1.94E-23
Allergic asthma	E2F2	cg22040403	rs2811964	A	G	-0.643	0.041	0.081	1.71E-55	-0.028	0.025	0.249	0.062	246.115	TRUE	1.18E-52

Allergic asthma	E2F2	cg22040403	rs2864889	A	G	-0.193	0.033	0.406	3.77E-09	0.021	0.014	0.122	0.009	34.719	TRUE	1.53E-08
Allergic asthma	E2F2	cg22040403	rs2981950	A	C	-0.193	0.024	0.435	2.50E-16	0.012	0.014	0.361	0.018	67.127	TRUE	1.23E-15
Allergic asthma	E2F2	cg22040403	rs2999141	C	A	0.379	0.026	0.286	9.01E-50	0.014	0.016	0.368	0.056	219.889	TRUE	1.78E-47
Allergic asthma	E2F2	cg22040403	rs3218194	T	G	-0.541	0.083	0.045	7.36E-11	-0.042	0.032	0.197	0.011	42.397	TRUE	2.99E-10
Allergic asthma	E2F2	cg22040403	rs649458	T	A	-0.219	0.033	0.138	5.80E-11	0.031	0.021	0.143	0.011	42.863	TRUE	2.72E-10
Allergic asthma	E2F2	cg22040403	rs6663369	A	G	0.259	0.031	0.172	1.04E-16	-0.002	0.018	0.891	0.018	68.861	TRUE	2.46E-16
Allergic asthma	E2F2	cg22040403	rs72663238	G	C	0.438	0.071	0.034	8.14E-10	0.032	0.030	0.288	0.010	37.705	TRUE	2.52E-09
Allergic asthma	E2F2	cg22040403	rs76473856	C	T	-0.424	0.071	0.026	2.07E-09	0.014	0.028	0.611	0.010	35.888	TRUE	4.16E-09
Allergic asthma	E2F2	cg22040403	rs78543575	C	G	-0.546	0.076	0.019	5.10E-13	0.050	0.039	0.200	0.014	52.136	TRUE	2.56E-12
Allergic asthma	E2F2	cg22040403	rs79371518	A	G	-0.195	0.033	0.146	2.73E-09	-0.013	0.019	0.492	0.009	35.350	TRUE	6.16E-09
Allergic asthma	E2F2	cg24254937	rs11591199	T	C	0.455	0.045	0.072	3.90E-24	-0.065	0.029	0.025	0.027	102.642	TRUE	1.91E-22
Allergic asthma	E2F2	cg24254937	rs2811937	G	A	-0.214	0.024	0.375	2.03E-19	-0.008	0.014	0.547	0.021	81.163	TRUE	9.51E-19
Allergic asthma	EIF2AK4	cg01081584	rs12899936	A	G	0.165	0.028	0.234	2.41E-09	-0.002	0.017	0.925	0.010	35.591	TRUE	3.58E-09
Allergic asthma	EIF2AK4	cg01081584	rs16969811	A	G	0.264	0.041	0.092	7.29E-11	0.023	0.028	0.404	0.011	42.418	TRUE	2.08E-10
Allergic asthma	EIF2AK4	cg01081584	rs2291627	C	A	0.349	0.042	0.085	8.25E-17	-0.018	0.022	0.419	0.018	69.311	TRUE	3.81E-16
Allergic asthma	EIF2AK4	cg01081584	rs2307105	A	G	-1.289	0.062	0.039	7.55E-95	0.036	0.022	0.107	0.103	426.704	TRUE	1.73E-88
Allergic asthma	EIF2AK4	cg01081584	rs34513040	C	T	0.306	0.036	0.130	3.26E-17	0.037	0.025	0.139	0.019	71.143	TRUE	3.02E-16
Allergic asthma	EIF2AK4	cg01081584	rs4923847	C	T	-0.453	0.024	0.387	1.53E-81	0.030	0.014	0.027	0.090	365.619	TRUE	8.57E-76
Allergic asthma	EIF2AK4	cg01081584	rs76168202	A	G	-0.572	0.098	0.012	5.48E-09	0.069	0.094	0.464	0.009	33.991	TRUE	1.25E-08
Allergic asthma	EIF2AK4	cg01081584	rs8041057	C	T	0.210	0.026	0.283	2.20E-16	0.019	0.015	0.190	0.018	67.381	TRUE	1.59E-15
Allergic asthma	EIF2AK4	cg02712587	rs114325441	C	T	0.482	0.051	0.053	6.92E-21	0.023	0.030	0.431	0.023	87.844	TRUE	4.49E-20
Allergic asthma	EIF2AK4	cg04467278	rs11853517	G	A	0.278	0.051	0.053	4.48E-08	0.012	0.022	0.594	0.008	29.916	TRUE	8.33E-08
Allergic asthma	EIF2AK4	cg04467278	rs508281	G	A	0.327	0.026	0.269	3.58E-36	0.018	0.015	0.233	0.041	157.625	TRUE	1.98E-34
Allergic asthma	EIF2AK4	cg04467278	rs7173524	T	C	0.194	0.032	0.159	7.46E-10	-0.006	0.019	0.738	0.010	37.877	TRUE	1.36E-09
Allergic asthma	EIF2AK4	cg05304366	rs11763	G	C	-0.218	0.030	0.177	4.10E-13	0.011	0.020	0.600	0.014	52.565	TRUE	1.09E-12
Allergic asthma	EIF2AK4	cg05304366	rs118058246	G	C	-0.529	0.078	0.024	1.28E-11	0.043	0.084	0.606	0.012	45.821	TRUE	3.02E-11
Allergic asthma	EIF2AK4	cg05304366	rs166702	G	A	0.140	0.024	0.454	3.82E-09	-0.008	0.014	0.566	0.009	34.693	TRUE	7.89E-09
Allergic asthma	EIF2AK4	cg05304366	rs16970319	G	C	-0.428	0.039	0.098	2.36E-28	-0.005	0.022	0.834	0.032	121.893	TRUE	1.48E-27
Allergic asthma	EIF2AK4	cg05304366	rs2934194	A	G	0.205	0.026	0.281	1.71E-15	0.019	0.015	0.209	0.017	63.335	TRUE	1.07E-14
Allergic asthma	EIF2AK4	cg05304366	rs4566130	T	C	-0.661	0.111	0.013	2.45E-09	0.041	0.024	0.089	0.010	35.556	TRUE	1.13E-08
Allergic asthma	EIF2AK4	cg05304366	rs534757	C	T	-0.684	0.025	0.269	1.21E-159	0.018	0.015	0.237	0.164	724.414	TRUE	1.53E-146
Allergic asthma	EIF2AK4	cg05304366	rs62004060	C	G	0.257	0.032	0.180	4.24E-16	-0.024	0.019	0.199	0.018	66.087	TRUE	2.90E-15
Allergic asthma	EIF2AK4	cg05304366	rs648289	C	T	0.170	0.024	0.416	1.58E-12	0.001	0.014	0.942	0.013	49.920	TRUE	2.74E-12
Allergic asthma	EIF2AK4	cg05304366	rs7168010	A	G	-0.340	0.054	0.048	4.50E-10	0.045	0.032	0.163	0.010	38.863	TRUE	1.82E-09
Allergic asthma	EIF2AK4	cg05304366	rs7173524	T	C	-0.280	0.032	0.159	1.86E-18	-0.006	0.019	0.738	0.020	76.792	TRUE	6.09E-18
Allergic asthma	EIF2AK4	cg05304366	rs75931581	C	T	-0.543	0.066	0.035	3.05E-16	-0.046	0.035	0.181	0.018	66.737	TRUE	2.22E-15
Allergic asthma	EIF2AK4	cg05304366	rs8026892	C	T	-0.252	0.034	0.142	1.09E-13	0.012	0.016	0.472	0.015	55.159	TRUE	3.59E-13
Allergic asthma	EIF2AK4	cg05304366	rs8030505	C	G	-0.549	0.072	0.029	1.81E-14	-0.044	0.028	0.116	0.016	58.694	TRUE	1.36E-13
Allergic asthma	EIF2AK4	cg06753055	rs11638696	A	G	-0.615	0.072	0.028	1.84E-17	0.003	0.035	0.943	0.019	72.273	TRUE	4.29E-17
Allergic asthma	EIF2AK4	cg06753055	rs17722526	G	A	0.141	0.025	0.356	9.97E-09	-0.008	0.014	0.565	0.009	32.830	TRUE	2.00E-08
Allergic asthma	EIF2AK4	cg06753055	rs2412476	C	T	-0.219	0.025	0.295	9.07E-18	0.022	0.014	0.130	0.020	73.666	TRUE	9.27E-17
Allergic asthma	EIF2AK4	cg06753055	rs547183	T	C	-0.226	0.024	0.499	1.55E-21	-0.038	0.013	0.005	0.024	90.805	TRUE	9.91E-20

Allergic asthma	EIF2AK4	cg06753055	rs60584293	A	G	-0.277	0.049	0.118	1.70E-08	-0.005	0.022	0.824	0.009	31.798	TRUE	2.63E-08
Allergic asthma	EIF2AK4	cg06753055	rs7181860	T	C	-1.468	0.040	0.071	2.88E-295	-0.028	0.022	0.196	0.267	1348.023	TRUE	4.25E-259
Allergic asthma	EIF2AK4	cg06753055	rs74979780	A	G	-0.268	0.031	0.169	4.32E-18	-0.005	0.018	0.787	0.020	75.129	TRUE	1.29E-17
Allergic asthma	EIF2AK4	cg06753055	rs78312336	T	C	-0.940	0.133	0.015	1.72E-12	-0.048	0.044	0.269	0.013	49.750	TRUE	7.06E-12
Allergic asthma	EIF2AK4	cg06753055	rs920141	C	T	-0.280	0.027	0.249	1.37E-24	0.033	0.016	0.033	0.028	104.721	TRUE	6.17E-23
Allergic asthma	EIF2AK4	cg16127683	rs113776570	C	A	0.511	0.031	0.178	2.60E-62	0.008	0.019	0.656	0.070	277.374	TRUE	1.32E-59
Allergic asthma	EIF2AK4	cg16127683	rs12594695	C	G	0.406	0.042	0.080	1.83E-22	-0.030	0.022	0.168	0.025	95.031	TRUE	2.69E-21
Allergic asthma	EIF2AK4	cg16127683	rs12900686	T	C	-0.593	0.024	0.331	2.44E-133	0.032	0.014	0.019	0.140	603.517	TRUE	4.75E-122
Allergic asthma	EIF2AK4	cg16127683	rs140560970	T	C	0.618	0.101	0.010	8.34E-10	-0.023	0.119	0.845	0.010	37.659	TRUE	1.37E-09
Allergic asthma	EIF2AK4	cg16127683	rs1540686	G	A	-0.260	0.024	0.448	7.25E-28	-0.001	0.014	0.932	0.031	119.664	TRUE	3.72E-27
Allergic asthma	EIF2AK4	cg16127683	rs16969811	A	G	0.311	0.041	0.092	1.59E-14	0.023	0.028	0.404	0.016	58.950	TRUE	6.19E-14
Allergic asthma	EIF2AK4	cg16127683	rs16970132	G	A	-1.395	0.067	0.035	2.46E-97	0.038	0.024	0.122	0.106	438.127	TRUE	8.22E-91
Allergic asthma	EIF2AK4	cg16127683	rs76168202	A	G	-0.629	0.098	0.012	1.57E-10	0.069	0.094	0.464	0.011	40.922	TRUE	4.03E-10
Allergic asthma	EIF2AK4	cg16127683	rs8042947	G	A	0.215	0.026	0.259	4.21E-16	0.014	0.015	0.377	0.018	66.101	TRUE	1.96E-15
Allergic asthma	EIF2AK4	cg19538502	rs16970319	G	C	0.242	0.038	0.098	2.88E-10	-0.005	0.022	0.834	0.011	39.735	TRUE	4.89E-10
Allergic asthma	EIF2AK4	cg19538502	rs534757	C	T	0.468	0.026	0.269	4.38E-74	0.018	0.015	0.237	0.082	331.388	TRUE	6.64E-70
Allergic asthma	EIF2AK4	cg19538502	rs7173524	T	C	0.251	0.032	0.159	1.69E-15	-0.006	0.019	0.738	0.017	63.359	TRUE	4.48E-15
Allergic asthma	EIF2AK4	cg19538502	rs74011716	T	C	0.503	0.086	0.020	5.39E-09	-0.065	0.032	0.043	0.009	34.026	TRUE	2.98E-08
Allergic asthma	EIF2AK4	cg19538502	rs75931581	C	T	0.381	0.066	0.035	5.93E-09	-0.046	0.035	0.181	0.009	33.838	TRUE	2.04E-08
Allergic asthma	EIF2AK4	cg19538502	rs76699261	C	G	0.439	0.076	0.024	6.18E-09	0.048	0.084	0.567	0.009	33.758	TRUE	1.26E-08
Allergic asthma	EIF2AK4	cg19538502	rs8035396	G	A	0.127	0.023	0.464	4.13E-08	0.030	0.014	0.026	0.008	30.073	TRUE	2.29E-07
Allergic asthma	EIF2AK4	cg20255370	rs113776570	C	A	0.500	0.031	0.178	1.14E-59	0.008	0.019	0.656	0.067	265.252	TRUE	3.94E-57
Allergic asthma	EIF2AK4	cg20255370	rs12594695	C	G	0.410	0.042	0.080	6.41E-23	-0.030	0.022	0.168	0.026	97.102	TRUE	9.92E-22
Allergic asthma	EIF2AK4	cg20255370	rs12900686	T	C	-0.578	0.024	0.331	1.43E-126	0.032	0.014	0.019	0.134	572.416	TRUE	4.43E-116
Allergic asthma	EIF2AK4	cg20255370	rs140560970	T	C	0.577	0.101	0.010	1.03E-08	-0.023	0.119	0.845	0.009	32.757	TRUE	1.60E-08
Allergic asthma	EIF2AK4	cg20255370	rs1540686	G	A	-0.255	0.024	0.448	7.22E-27	-0.001	0.014	0.932	0.030	115.109	TRUE	3.41E-26
Allergic asthma	EIF2AK4	cg20255370	rs16969811	A	G	0.336	0.040	0.092	1.12E-16	0.023	0.028	0.404	0.018	68.702	TRUE	5.26E-16
Allergic asthma	EIF2AK4	cg20255370	rs72729494	T	A	-1.379	0.066	0.035	3.77E-96	0.037	0.024	0.126	0.105	432.679	TRUE	9.41E-90
Allergic asthma	EIF2AK4	cg20255370	rs76168202	A	G	-0.673	0.098	0.012	7.26E-12	0.069	0.094	0.464	0.013	46.932	TRUE	2.08E-11
Allergic asthma	EIF2AK4	cg20255370	rs8042947	G	A	0.207	0.026	0.259	5.09E-15	0.014	0.015	0.377	0.016	61.192	TRUE	2.16E-14
Allergic asthma	EIF2AK4	cg21830797	rs113728914	C	T	0.410	0.039	0.096	9.02E-26	-0.005	0.022	0.808	0.029	110.105	TRUE	4.74E-25
Allergic asthma	EIF2AK4	cg21830797	rs12438821	C	T	0.348	0.052	0.057	1.70E-11	0.017	0.019	0.364	0.012	45.266	TRUE	5.43E-11
Allergic asthma	EIF2AK4	cg21830797	rs12439335	C	T	-0.252	0.025	0.334	7.74E-25	0.018	0.014	0.223	0.028	105.848	TRUE	1.22E-23
Allergic asthma	EIF2AK4	cg21830797	rs34519780	A	G	-0.250	0.028	0.225	1.54E-19	-0.013	0.020	0.521	0.022	81.716	TRUE	7.57E-19
Allergic asthma	EIF2AK4	cg21830797	rs518770	C	T	0.850	0.025	0.269	9.08E-261	0.018	0.015	0.237	0.243	1189.360	TRUE	1.53E-231
Allergic asthma	EIF2AK4	cg21830797	rs57932457	C	T	0.359	0.064	0.033	1.85E-08	-0.037	0.040	0.361	0.008	31.627	TRUE	4.56E-08
Allergic asthma	EIF2AK4	cg21830797	rs62004060	C	G	-0.198	0.032	0.180	3.42E-10	-0.024	0.019	0.199	0.011	39.396	TRUE	1.29E-09
Allergic asthma	EIF2AK4	cg21830797	rs7173524	T	C	0.374	0.032	0.159	3.92E-32	-0.006	0.019	0.738	0.036	139.154	TRUE	4.13E-31
Allergic asthma	EIF2AK4	cg21830797	rs72729404	A	G	0.532	0.067	0.030	2.19E-15	0.005	0.038	0.900	0.017	62.851	TRUE	4.73E-15
Allergic asthma	EIF2AK4	cg21830797	rs75110365	T	C	0.391	0.070	0.031	2.14E-08	0.001	0.035	0.967	0.008	31.345	TRUE	2.93E-08
Allergic asthma	EIF2AK4	cg21830797	rs75931581	C	T	0.617	0.066	0.035	1.17E-20	-0.046	0.035	0.181	0.023	86.797	TRUE	1.36E-19
Allergic asthma	EIF2AK4	cg21830797	rs76699261	C	G	0.733	0.076	0.024	6.88E-22	0.048	0.084	0.567	0.024	92.408	TRUE	3.84E-21

Allergic asthma	EIF2AK4	cg21830797	rs77820631	G	A	0.697	0.110	0.014	2.53E-10	0.043	0.024	0.076	0.011	39.984	TRUE	1.39E-09
Allergic asthma	EIF2AK4	cg21830797	rs8030505	C	G	0.671	0.071	0.029	5.23E-21	-0.044	0.028	0.116	0.023	88.396	TRUE	8.11E-20
Allergic asthma	EIF2AK4	cg21830797	rs8033687	C	T	-0.154	0.025	0.327	1.25E-09	-0.014	0.015	0.324	0.010	36.873	TRUE	3.59E-09
Allergic asthma	EIF2AK4	cg22077389	rs113728914	C	T	0.444	0.039	0.096	4.53E-30	-0.005	0.022	0.808	0.034	129.733	TRUE	3.46E-29
Allergic asthma	EIF2AK4	cg22077389	rs11853517	G	A	0.489	0.051	0.053	1.66E-21	0.012	0.022	0.594	0.024	90.660	TRUE	8.61E-21
Allergic asthma	EIF2AK4	cg22077389	rs12439335	C	T	-0.231	0.025	0.334	5.80E-21	0.018	0.014	0.223	0.023	88.193	TRUE	6.09E-20
Allergic asthma	EIF2AK4	cg22077389	rs166702	G	A	-0.147	0.024	0.454	4.37E-10	-0.008	0.014	0.566	0.010	38.917	TRUE	9.66E-10
Allergic asthma	EIF2AK4	cg22077389	rs34519780	A	G	-0.210	0.028	0.225	3.23E-14	-0.013	0.020	0.521	0.015	57.557	TRUE	1.03E-13
Allergic asthma	EIF2AK4	cg22077389	rs518770	C	T	0.821	0.025	0.269	2.83E-239	0.018	0.015	0.237	0.228	1090.516	TRUE	6.10E-214
Allergic asthma	EIF2AK4	cg22077389	rs62004060	C	G	-0.225	0.032	0.180	1.07E-12	-0.024	0.019	0.199	0.014	50.693	TRUE	5.17E-12
Allergic asthma	EIF2AK4	cg22077389	rs7173524	T	C	0.403	0.032	0.159	2.99E-37	-0.006	0.019	0.738	0.042	162.560	TRUE	5.25E-36
Allergic asthma	EIF2AK4	cg22077389	rs72729404	A	G	0.481	0.067	0.030	7.23E-13	0.005	0.038	0.900	0.014	51.453	TRUE	1.34E-12
Allergic asthma	EIF2AK4	cg22077389	rs75110365	T	C	0.434	0.070	0.031	4.81E-10	0.001	0.035	0.967	0.010	38.733	TRUE	7.12E-10
Allergic asthma	EIF2AK4	cg22077389	rs76699261	C	G	0.735	0.076	0.024	4.44E-22	0.048	0.084	0.567	0.025	93.272	TRUE	2.52E-21
Allergic asthma	EIF2AK4	cg22077389	rs8030505	C	G	0.642	0.071	0.029	2.45E-19	-0.044	0.028	0.116	0.021	80.791	TRUE	3.16E-18
Allergic asthma	EIF2AK4	cg25407064	rs12438821	C	T	0.360	0.052	0.057	3.27E-12	0.017	0.019	0.364	0.013	48.492	TRUE	1.11E-11
Allergic asthma	EIF2AK4	cg25407064	rs12439335	C	T	-0.251	0.025	0.334	1.68E-24	0.018	0.014	0.223	0.027	104.309	TRUE	2.56E-23
Allergic asthma	EIF2AK4	cg25407064	rs166702	G	A	-0.145	0.024	0.454	8.99E-10	-0.008	0.014	0.566	0.010	37.512	TRUE	1.94E-09
Allergic asthma	EIF2AK4	cg25407064	rs16970319	G	C	0.470	0.039	0.098	5.01E-34	-0.005	0.022	0.834	0.038	147.811	TRUE	5.30E-33
Allergic asthma	EIF2AK4	cg25407064	rs34519780	A	G	-0.233	0.028	0.225	3.70E-17	-0.013	0.020	0.521	0.019	70.890	TRUE	1.50E-16
Allergic asthma	EIF2AK4	cg25407064	rs4566130	T	C	0.610	0.111	0.013	3.64E-08	0.041	0.024	0.089	0.008	30.318	TRUE	1.45E-07
Allergic asthma	EIF2AK4	cg25407064	rs518770	C	T	0.883	0.024	0.269	2.39E-284	0.018	0.015	0.237	0.260	1297.801	TRUE	1.41E-250
Allergic asthma	EIF2AK4	cg25407064	rs57932457	C	T	0.411	0.064	0.033	1.27E-10	-0.037	0.040	0.361	0.011	41.335	TRUE	3.77E-10
Allergic asthma	EIF2AK4	cg25407064	rs62004060	C	G	-0.252	0.032	0.180	1.33E-15	-0.024	0.019	0.199	0.017	63.832	TRUE	8.66E-15
Allergic asthma	EIF2AK4	cg25407064	rs7173524	T	C	0.414	0.032	0.159	4.44E-39	-0.006	0.019	0.738	0.044	170.925	TRUE	9.47E-38
Allergic asthma	EIF2AK4	cg25407064	rs72729408	G	A	0.483	0.065	0.034	7.97E-14	-0.005	0.037	0.882	0.015	55.783	TRUE	1.59E-13
Allergic asthma	EIF2AK4	cg25407064	rs75931581	C	T	0.641	0.066	0.035	3.39E-22	-0.046	0.035	0.181	0.025	93.805	TRUE	4.63E-21
Allergic asthma	EIF2AK4	cg25407064	rs76699261	C	G	0.711	0.076	0.024	1.09E-20	0.048	0.084	0.567	0.023	86.940	TRUE	5.50E-20
Allergic asthma	EIF2AK4	cg25407064	rs8030505	C	G	0.681	0.071	0.029	1.46E-21	-0.044	0.028	0.116	0.024	90.918	TRUE	2.41E-20
Allergic asthma	ELANE	cg01963696	rs12976453	C	A	0.169	0.026	0.423	5.98E-11	-0.013	0.014	0.358	0.011	42.805	TRUE	1.84E-10
Allergic asthma	ELANE	cg02487452	rs113862848	T	C	-0.273	0.026	0.283	4.33E-26	0.008	0.016	0.642	0.029	111.557	TRUE	3.08E-25
Allergic asthma	ELANE	cg02487452	rs12976453	C	A	0.214	0.026	0.423	1.21E-16	-0.013	0.014	0.358	0.018	68.556	TRUE	6.14E-16
Allergic asthma	ELANE	cg02487452	rs3761008	C	T	-0.434	0.035	0.130	9.92E-35	0.050	0.022	0.020	0.039	151.027	TRUE	2.32E-32
Allergic asthma	ELANE	cg03526702	rs117463628	A	G	-0.448	0.076	0.020	4.59E-09	0.044	0.044	0.319	0.009	34.336	TRUE	1.27E-08
Allergic asthma	ELANE	cg03526702	rs3761008	C	T	-0.351	0.035	0.130	4.40E-23	0.050	0.022	0.020	0.026	97.846	TRUE	2.06E-21
Allergic asthma	ELANE	cg03526702	rs73492568	A	G	-0.262	0.026	0.281	3.07E-24	0.007	0.016	0.682	0.027	103.120	TRUE	1.73E-23
Allergic asthma	ELANE	cg08223924	rs12976453	C	A	0.266	0.026	0.423	4.33E-25	-0.013	0.014	0.358	0.028	106.996	TRUE	4.88E-24
Allergic asthma	ELANE	cg08223924	rs1683591	G	A	-0.232	0.026	0.285	2.47E-19	0.007	0.016	0.675	0.021	80.777	TRUE	9.45E-19
Allergic asthma	ELANE	cg08223924	rs3761008	C	T	-0.345	0.035	0.130	2.36E-22	0.050	0.022	0.020	0.025	94.527	TRUE	9.98E-21
Allergic asthma	ELANE	cg11683663	rs113348883	G	A	-0.505	0.074	0.023	6.78E-12	0.046	0.044	0.299	0.013	47.064	TRUE	2.49E-11
Allergic asthma	ELANE	cg11683663	rs11666980	G	C	0.223	0.040	0.103	2.60E-08	-0.007	0.019	0.724	0.008	30.969	TRUE	4.36E-08
Allergic asthma	ELANE	cg11683663	rs1683574	A	G	-0.337	0.026	0.281	1.88E-39	0.008	0.016	0.626	0.045	172.632	TRUE	5.28E-38

Allergic asthma	ELANE	cg11683663	rs3761008	C	T	-0.540	0.035	0.130	2.80E-53	0.050	0.022	0.020	0.060	235.967	TRUE	1.13E-49
Allergic asthma	ELANE	cg11683663	rs4019962	T	C	0.299	0.025	0.452	3.53E-32	-0.015	0.014	0.277	0.036	139.366	TRUE	1.05E-30
Allergic asthma	ELANE	cg11683663	rs8113356	A	G	0.204	0.034	0.151	2.08E-09	-0.006	0.016	0.722	0.010	35.882	TRUE	3.74E-09
Allergic asthma	ELANE	cg19628469	rs117463628	A	G	-0.475	0.077	0.020	5.31E-10	0.044	0.044	0.319	0.010	38.540	TRUE	1.59E-09
Allergic asthma	ELANE	cg19628469	rs12976453	C	A	0.368	0.026	0.423	3.28E-47	-0.013	0.014	0.358	0.053	208.156	TRUE	4.74E-45
Allergic asthma	ELANE	cg19628469	rs1683591	G	A	-0.355	0.026	0.285	1.18E-43	0.007	0.016	0.675	0.049	191.861	TRUE	4.83E-42
Allergic asthma	ELANE	cg19628469	rs3761008	C	T	-0.465	0.035	0.130	1.31E-39	0.050	0.022	0.020	0.045	173.351	TRUE	6.22E-37
Allergic asthma	ELANE	cg21586152	rs1631848	C	T	-0.146	0.026	0.286	1.62E-08	0.008	0.016	0.643	0.009	31.881	TRUE	2.97E-08
Allergic asthma	ELANE	cg21586152	rs3761008	C	T	-0.280	0.036	0.130	3.36E-15	0.050	0.022	0.020	0.016	62.010	TRUE	5.45E-14
Allergic asthma	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	0.036	0.014	0.011	0.016	60.309	TRUE	1.47E-13
Allergic asthma	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	0.044	0.014	0.001	0.012	45.175	TRUE	3.33E-10
Allergic asthma	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.001	0.021	0.956	0.046	179.017	TRUE	1.27E-39
Allergic asthma	ERBB3	cg10869879	rs76219216	C	G	0.323	0.053	0.047	9.11E-10	0.054	0.051	0.291	0.010	37.486	TRUE	2.79E-09
Allergic asthma	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	0.036	0.014	0.011	0.041	157.406	TRUE	1.53E-33
Allergic asthma	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	0.031	0.014	0.025	0.020	74.210	TRUE	1.47E-16
Allergic asthma	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	0.038	0.015	0.010	0.047	183.509	TRUE	7.70E-39
Allergic asthma	EYA2	cg00507855	rs11698310	G	A	-0.206	0.026	0.275	2.30E-15	-0.034	0.015	0.025	0.017	62.756	TRUE	3.51E-14
Allergic asthma	EYA2	cg00507855	rs11698823	A	T	0.187	0.027	0.255	6.06E-12	-0.009	0.017	0.605	0.013	47.284	TRUE	1.46E-11
Allergic asthma	EYA2	cg00507855	rs143763104	T	G	-0.853	0.131	0.014	6.50E-11	-0.028	0.111	0.803	0.011	42.640	TRUE	1.19E-10
Allergic asthma	EYA2	cg06554935	rs6122562	G	A	0.214	0.023	0.471	3.05E-20	0.005	0.014	0.708	0.022	84.913	TRUE	1.19E-19
Allergic asthma	EYA2	cg26046136	rs6018188	G	A	-0.215	0.024	0.496	7.75E-20	-0.038	0.014	0.005	0.022	83.069	TRUE	3.96E-18
Allergic asthma	EYA2	cg27589058	rs116887461	A	G	0.660	0.105	0.028	3.71E-10	-0.071	0.045	0.114	0.010	39.239	TRUE	1.73E-09
Allergic asthma	EYA2	cg27589058	rs11696358	G	C	-0.227	0.037	0.111	1.32E-09	0.002	0.026	0.927	0.010	36.760	TRUE	1.99E-09
Allergic asthma	EYA2	cg27589058	rs1340774	G	C	0.174	0.026	0.285	3.23E-11	-0.014	0.015	0.354	0.012	44.010	TRUE	1.02E-10
Allergic asthma	EYA2	cg27589058	rs141614125	T	C	-0.587	0.082	0.020	1.09E-12	-0.089	0.058	0.128	0.014	50.652	TRUE	6.44E-12
Allergic asthma	EYA2	cg27589058	rs2066225	T	C	0.290	0.023	0.487	2.61E-35	0.005	0.014	0.734	0.040	153.680	TRUE	3.78E-34
Allergic asthma	EYA2	cg27589058	rs28410109	T	C	0.422	0.056	0.045	3.34E-14	0.019	0.038	0.623	0.015	57.494	TRUE	9.30E-14
Allergic asthma	EYA2	cg27589058	rs2868859	T	C	0.277	0.024	0.356	7.88E-30	-0.013	0.014	0.364	0.034	128.634	TRUE	1.43E-28
Allergic asthma	EYA2	cg27589058	rs2903940	G	A	0.824	0.020	0.495	<1E-200	-0.012	0.014	0.366	0.309	1652.887	TRUE	<1E-200
Allergic asthma	EYA2	cg27589058	rs4810621	C	T	-0.467	0.036	0.125	2.49E-39	0.033	0.022	0.134	0.044	172.074	TRUE	3.23E-37
Allergic asthma	EYA2	cg27589058	rs6018337	A	G	0.405	0.057	0.087	9.67E-13	0.005	0.022	0.837	0.014	50.882	TRUE	1.90E-12
Allergic asthma	EYA2	cg27589058	rs6066249	T	C	-0.373	0.024	0.404	2.11E-54	0.000	0.014	0.993	0.061	241.109	TRUE	1.58E-52
Allergic asthma	FADS2	cg00603274	rs115588270	G	C	-0.465	0.055	0.043	3.69E-17	-0.028	0.025	0.262	0.019	70.900	TRUE	2.39E-16
Allergic asthma	FADS2	cg00603274	rs137915577	A	G	-0.601	0.098	0.012	1.01E-09	0.140	0.092	0.127	0.010	37.276	TRUE	4.34E-09
Allergic asthma	FADS2	cg00603274	rs17185413	C	T	-0.202	0.028	0.218	9.06E-13	0.016	0.018	0.378	0.014	51.010	TRUE	3.16E-12
Allergic asthma	FADS2	cg00603274	rs174455	G	A	-0.410	0.024	0.347	5.02E-66	-0.025	0.014	0.072	0.074	294.411	TRUE	6.50E-62
Allergic asthma	FADS2	cg00603274	rs174472	G	A	-0.182	0.024	0.407	3.65E-14	0.009	0.014	0.511	0.015	57.319	TRUE	1.17E-13
Allergic asthma	FADS2	cg00603274	rs198459	A	G	0.262	0.029	0.219	4.42E-20	0.020	0.021	0.323	0.022	84.176	TRUE	3.31E-19
Allergic asthma	FADS2	cg00603274	rs2521572	T	G	-0.364	0.056	0.046	1.05E-10	-0.083	0.044	0.060	0.011	41.700	TRUE	6.54E-10
Allergic asthma	FADS2	cg00603274	rs387137	C	G	-0.134	0.024	0.400	3.12E-08	-0.009	0.014	0.539	0.008	30.616	TRUE	6.19E-08
Allergic asthma	FADS2	cg00603274	rs400075	T	C	-0.291	0.027	0.242	1.91E-26	-0.035	0.020	0.079	0.030	113.182	TRUE	6.92E-25
Allergic asthma	FADS2	cg00603274	rs472031	A	G	0.284	0.039	0.089	1.56E-13	0.036	0.028	0.206	0.015	54.461	TRUE	8.11E-13

Allergic asthma	FADS2	cg00603274	rs509360	A	G	0.335	0.025	0.336	9.87E-41	0.037	0.014	0.010	0.046	178.490	TRUE	8.19E-38
Allergic asthma	FADS2	cg00603274	rs66905042	C	A	0.196	0.033	0.135	3.44E-09	0.017	0.017	0.337	0.009	34.899	TRUE	9.34E-09
Allergic asthma	FADS2	cg00603274	rs7102974	T	C	-0.778	0.086	0.016	1.26E-19	-0.057	0.122	0.639	0.022	82.105	TRUE	5.21E-19
Allergic asthma	FADS2	cg00603274	rs7928482	A	G	-0.582	0.092	0.014	2.52E-10	-0.019	0.051	0.710	0.011	39.995	TRUE	4.86E-10
Allergic asthma	FADS2	cg00603274	rs968567	T	C	-0.978	0.026	0.176	<1E-200	-0.009	0.022	0.684	0.278	1421.109	TRUE	2.73E-273
Allergic asthma	FADS2	cg01400685	rs1692116	A	G	0.190	0.033	0.138	7.28E-09	0.019	0.017	0.279	0.009	33.439	TRUE	2.09E-08
Allergic asthma	FADS2	cg01400685	rs17185413	C	T	-0.243	0.028	0.218	8.34E-18	0.016	0.018	0.378	0.020	73.831	TRUE	4.53E-17
Allergic asthma	FADS2	cg01400685	rs174455	G	A	-0.403	0.024	0.347	6.62E-64	-0.025	0.014	0.072	0.071	284.688	TRUE	5.94E-60
Allergic asthma	FADS2	cg01400685	rs198459	A	G	0.229	0.029	0.219	1.22E-15	0.020	0.021	0.323	0.017	64.005	TRUE	6.03E-15
Allergic asthma	FADS2	cg01400685	rs198475	T	C	-0.276	0.027	0.245	6.44E-24	-0.037	0.020	0.070	0.027	101.650	TRUE	1.84E-22
Allergic asthma	FADS2	cg01400685	rs2521572	T	G	-0.374	0.056	0.046	2.91E-11	-0.083	0.044	0.060	0.012	44.212	TRUE	1.94E-10
Allergic asthma	FADS2	cg01400685	rs2727266	G	A	-0.277	0.048	0.068	5.54E-09	-0.039	0.025	0.116	0.009	33.970	TRUE	2.25E-08
Allergic asthma	FADS2	cg01400685	rs387137	C	G	-0.146	0.024	0.400	1.33E-09	-0.009	0.014	0.539	0.010	36.746	TRUE	2.92E-09
Allergic asthma	FADS2	cg01400685	rs509360	A	G	0.324	0.025	0.336	4.74E-38	0.037	0.014	0.010	0.043	166.216	TRUE	2.61E-35
Allergic asthma	FADS2	cg01400685	rs562172	T	C	0.305	0.039	0.091	3.46E-15	0.030	0.028	0.285	0.016	61.951	TRUE	1.77E-14
Allergic asthma	FADS2	cg01400685	rs7102974	T	C	-0.741	0.086	0.016	5.90E-18	-0.057	0.122	0.639	0.020	74.513	TRUE	2.14E-17
Allergic asthma	FADS2	cg01400685	rs7928482	A	G	-0.652	0.092	0.014	1.32E-12	-0.019	0.051	0.710	0.013	50.266	TRUE	2.97E-12
Allergic asthma	FADS2	cg01400685	rs968567	T	C	-0.932	0.026	0.176	1.33E-277	-0.009	0.022	0.684	0.255	1266.784	TRUE	1.70E-246
Allergic asthma	FADS2	cg06781209	rs115588270	G	C	-0.322	0.055	0.043	5.94E-09	-0.028	0.025	0.262	0.009	33.835	TRUE	1.76E-08
Allergic asthma	FADS2	cg06781209	rs12288004	A	G	0.241	0.044	0.082	3.89E-08	0.021	0.019	0.266	0.008	30.186	TRUE	1.06E-07
Allergic asthma	FADS2	cg06781209	rs137915577	A	G	-0.594	0.098	0.012	1.58E-09	0.140	0.092	0.127	0.010	36.416	TRUE	6.60E-09
Allergic asthma	FADS2	cg06781209	rs17185413	C	T	-0.274	0.028	0.218	3.31E-22	0.016	0.018	0.378	0.025	93.857	TRUE	2.70E-21
Allergic asthma	FADS2	cg06781209	rs174455	G	A	-0.436	0.024	0.347	1.46E-74	-0.025	0.014	0.072	0.083	333.574	TRUE	8.81E-70
Allergic asthma	FADS2	cg06781209	rs198443	T	G	-0.160	0.024	0.437	1.29E-11	0.012	0.014	0.363	0.012	45.802	TRUE	4.18E-11
Allergic asthma	FADS2	cg06781209	rs198476	A	G	0.265	0.023	0.492	7.84E-30	0.018	0.014	0.190	0.034	128.644	TRUE	2.42E-28
Allergic asthma	FADS2	cg06781209	rs2235093	A	G	0.234	0.024	0.492	3.88E-23	-0.020	0.014	0.150	0.026	98.098	TRUE	6.58E-22
Allergic asthma	FADS2	cg06781209	rs2521572	T	G	-0.387	0.056	0.046	6.72E-12	-0.083	0.044	0.060	0.013	47.083	TRUE	4.84E-11
Allergic asthma	FADS2	cg06781209	rs472031	A	G	0.305	0.039	0.089	2.60E-15	0.036	0.028	0.206	0.017	62.517	TRUE	1.61E-14
Allergic asthma	FADS2	cg06781209	rs509360	A	G	0.334	0.025	0.336	2.80E-40	0.037	0.014	0.010	0.046	176.414	TRUE	2.17E-37
Allergic asthma	FADS2	cg06781209	rs66905042	C	A	0.198	0.033	0.135	2.46E-09	0.017	0.017	0.337	0.010	35.548	TRUE	6.78E-09
Allergic asthma	FADS2	cg06781209	rs7102974	T	C	-0.845	0.086	0.016	6.95E-23	-0.057	0.122	0.639	0.026	96.942	TRUE	3.76E-22
Allergic asthma	FADS2	cg06781209	rs72926147	A	G	-0.469	0.078	0.023	2.27E-09	-0.033	0.043	0.437	0.010	35.708	TRUE	5.50E-09
Allergic asthma	FADS2	cg06781209	rs7928482	A	G	-0.693	0.092	0.014	5.01E-14	-0.019	0.051	0.710	0.015	56.696	TRUE	1.24E-13
Allergic asthma	FADS2	cg06781209	rs7943728	A	G	-1.015	0.026	0.170	<1E-200	-0.007	0.022	0.747	0.292	1523.865	TRUE	5.51E-291
Allergic asthma	FADS2	cg07005513	rs174544	A	C	-0.203	0.025	0.297	6.01E-16	-0.036	0.014	0.010	0.017	65.399	TRUE	1.36E-14
Allergic asthma	FADS2	cg07591205	rs174544	A	C	0.196	0.025	0.297	2.82E-15	-0.036	0.014	0.010	0.017	62.352	TRUE	5.82E-14
Allergic asthma	FADS2	cg07999042	rs61897793	A	G	0.172	0.029	0.179	4.46E-09	-0.008	0.022	0.727	0.009	34.395	TRUE	7.82E-09
Allergic asthma	FADS2	cg11250194	rs117702910	G	C	-0.352	0.055	0.041	2.04E-10	-0.030	0.025	0.225	0.011	40.407	TRUE	7.46E-10
Allergic asthma	FADS2	cg11250194	rs137915577	A	G	-0.582	0.098	0.012	3.25E-09	0.140	0.092	0.127	0.009	35.010	TRUE	1.31E-08
Allergic asthma	FADS2	cg11250194	rs17185413	C	T	-0.281	0.028	0.218	2.81E-23	0.016	0.018	0.378	0.026	98.732	TRUE	2.54E-22
Allergic asthma	FADS2	cg11250194	rs174455	G	A	-0.498	0.024	0.347	1.48E-98	-0.025	0.014	0.072	0.107	443.725	TRUE	1.19E-91
Allergic asthma	FADS2	cg11250194	rs198476	A	G	0.265	0.023	0.492	6.97E-30	0.018	0.014	0.190	0.034	128.877	TRUE	2.16E-28

Allergic asthma	FADS2	cg11250194	rs2235093	A	G	0.196	0.024	0.492	9.40E-17	-0.020	0.014	0.150	0.018	69.055	TRUE	7.98E-16
Allergic asthma	FADS2	cg11250194	rs2521572	T	G	-0.433	0.056	0.046	1.41E-14	-0.083	0.044	0.060	0.016	59.188	TRUE	1.41E-13
Allergic asthma	FADS2	cg11250194	rs2524292	G	T	-0.338	0.048	0.067	1.33E-12	-0.040	0.025	0.109	0.013	50.254	TRUE	8.34E-12
Allergic asthma	FADS2	cg11250194	rs2526678	A	G	-0.444	0.042	0.086	3.61E-26	-0.030	0.017	0.082	0.029	111.919	TRUE	1.24E-24
Allergic asthma	FADS2	cg11250194	rs387137	C	G	-0.140	0.024	0.400	6.37E-09	-0.009	0.014	0.539	0.009	33.701	TRUE	1.33E-08
Allergic asthma	FADS2	cg11250194	rs500850	C	G	0.323	0.039	0.091	6.28E-17	0.031	0.028	0.268	0.019	69.849	TRUE	3.93E-16
Allergic asthma	FADS2	cg11250194	rs509360	A	G	0.398	0.025	0.336	4.40E-57	0.037	0.014	0.010	0.064	253.399	TRUE	5.34E-53
Allergic asthma	FADS2	cg11250194	rs61896141	C	A	-0.990	0.026	0.175	<1E-200	-0.010	0.022	0.647	0.279	1430.085	TRUE	9.75E-275
Allergic asthma	FADS2	cg11250194	rs67140840	A	G	0.203	0.034	0.131	1.43E-09	0.020	0.018	0.256	0.010	36.602	TRUE	4.56E-09
Allergic asthma	FADS2	cg11250194	rs7102974	T	C	-0.909	0.086	0.016	2.68E-26	-0.057	0.122	0.639	0.030	112.507	TRUE	1.95E-25
Allergic asthma	FADS2	cg11250194	rs7928482	A	G	-0.614	0.092	0.014	2.65E-11	-0.019	0.051	0.710	0.012	44.394	TRUE	5.46E-11
Allergic asthma	FADS2	cg14911132	rs174455	G	A	-0.242	0.024	0.347	8.43E-24	-0.025	0.014	0.072	0.027	101.117	TRUE	2.34E-22
Allergic asthma	FADS2	cg14911132	rs198459	A	G	0.177	0.028	0.219	5.33E-10	0.020	0.021	0.323	0.010	38.533	TRUE	1.59E-09
Allergic asthma	FADS2	cg14911132	rs400075	T	C	-0.200	0.027	0.242	2.65E-13	-0.035	0.020	0.079	0.014	53.420	TRUE	2.04E-12
Allergic asthma	FADS2	cg14911132	rs509360	A	G	0.188	0.025	0.336	7.06E-14	0.037	0.014	0.010	0.015	56.020	TRUE	1.19E-12
Allergic asthma	FADS2	cg14911132	rs562172	T	C	0.250	0.039	0.091	9.42E-11	0.030	0.028	0.285	0.011	41.916	TRUE	3.19E-10
Allergic asthma	FADS2	cg14911132	rs61897793	A	G	-0.520	0.029	0.179	6.09E-72	-0.008	0.022	0.727	0.080	321.554	TRUE	1.13E-68
Allergic asthma	FADS2	cg16576620	rs968567	T	C	-0.201	0.029	0.176	7.18E-12	-0.009	0.022	0.684	0.013	46.951	TRUE	1.58E-11
Allergic asthma	FADS2	cg19610905	rs11230815	G	C	-0.368	0.038	0.105	2.17E-22	0.018	0.019	0.352	0.025	94.692	TRUE	1.90E-21
Allergic asthma	FADS2	cg19610905	rs117110139	A	G	-0.675	0.084	0.035	1.08E-15	-0.047	0.067	0.479	0.017	64.245	TRUE	4.12E-15
Allergic asthma	FADS2	cg19610905	rs117983270	C	T	-0.637	0.063	0.034	2.29E-24	-0.023	0.034	0.508	0.027	103.701	TRUE	1.77E-23
Allergic asthma	FADS2	cg19610905	rs12799017	G	T	-0.180	0.025	0.329	4.23E-13	-0.005	0.014	0.698	0.014	52.505	TRUE	9.94E-13
Allergic asthma	FADS2	cg19610905	rs1692120	A	G	0.249	0.023	0.478	1.94E-26	0.036	0.014	0.008	0.030	113.149	TRUE	2.15E-24
Allergic asthma	FADS2	cg19610905	rs174452	A	G	0.253	0.040	0.090	3.91E-10	0.034	0.022	0.126	0.010	39.138	TRUE	1.75E-09
Allergic asthma	FADS2	cg19610905	rs174481	G	C	0.298	0.029	0.215	8.26E-25	-0.006	0.017	0.710	0.028	105.718	TRUE	4.68E-24
Allergic asthma	FADS2	cg19610905	rs174528	C	T	-0.879	0.019	0.353	<1E-200	-0.041	0.014	0.003	0.357	2049.882	TRUE	<1E-200
Allergic asthma	FADS2	cg19610905	rs2727261	T	C	-0.335	0.039	0.106	1.81E-17	0.001	0.020	0.968	0.019	72.308	TRUE	4.08E-17
Allergic asthma	FADS2	cg19610905	rs2736601	T	C	-0.325	0.048	0.067	1.07E-11	-0.038	0.025	0.128	0.012	46.172	TRUE	5.68E-11
Allergic asthma	FADS2	cg19610905	rs508768	G	A	0.288	0.039	0.089	7.56E-14	0.034	0.028	0.232	0.015	55.885	TRUE	3.81E-13
Allergic asthma	FADS2	cg19610905	rs695186	T	C	-0.325	0.027	0.250	7.92E-34	-0.032	0.020	0.109	0.038	146.903	TRUE	5.89E-32
Allergic asthma	FADS2	cg19610905	rs740006	C	T	0.325	0.041	0.090	2.17E-15	0.029	0.019	0.119	0.017	62.868	TRUE	1.78E-14
Allergic asthma	FADS2	cg19610905	rs75766519	C	T	-0.612	0.055	0.041	8.06E-29	-0.029	0.025	0.245	0.032	124.020	TRUE	1.83E-27
Allergic asthma	FADS2	cg21709803	rs11230749	T	C	-0.225	0.041	0.195	3.80E-08	-0.014	0.018	0.461	0.008	30.232	TRUE	8.12E-08
Allergic asthma	FADS2	cg21709803	rs117702910	G	C	-0.306	0.055	0.041	3.42E-08	-0.030	0.025	0.225	0.008	30.439	TRUE	1.00E-07
Allergic asthma	FADS2	cg21709803	rs17185413	C	T	-0.237	0.028	0.218	5.02E-17	0.016	0.018	0.378	0.019	70.292	TRUE	2.54E-16
Allergic asthma	FADS2	cg21709803	rs174455	G	A	-0.384	0.024	0.347	9.82E-58	-0.025	0.014	0.072	0.065	256.387	TRUE	3.15E-54
Allergic asthma	FADS2	cg21709803	rs174472	G	A	-0.162	0.024	0.407	1.63E-11	0.009	0.014	0.511	0.012	45.350	TRUE	4.26E-11
Allergic asthma	FADS2	cg21709803	rs198459	A	G	0.234	0.029	0.219	2.44E-16	0.020	0.021	0.323	0.018	67.171	TRUE	1.29E-15
Allergic asthma	FADS2	cg21709803	rs198475	T	C	-0.319	0.027	0.245	1.27E-31	-0.037	0.020	0.070	0.036	136.824	TRUE	9.48E-30
Allergic asthma	FADS2	cg21709803	rs472031	A	G	0.299	0.039	0.089	8.19E-15	0.036	0.028	0.206	0.016	60.256	TRUE	4.83E-14
Allergic asthma	FADS2	cg21709803	rs509360	A	G	0.321	0.025	0.336	2.38E-37	0.037	0.014	0.010	0.042	163.015	TRUE	1.18E-34
Allergic asthma	FADS2	cg21709803	rs7102974	T	C	-0.750	0.086	0.016	2.60E-18	-0.057	0.122	0.639	0.020	76.128	TRUE	9.69E-18

Allergic asthma	FADS2	cg21709803	rs7928482	A	G	-0.591	0.092	0.014	1.41E-10	-0.019	0.051	0.710	0.011	41.130	TRUE	2.76E-10
Allergic asthma	FADS2	cg21709803	rs968567	T	C	-0.958	0.026	0.176	1.37E-291	-0.009	0.022	0.684	0.265	1331.105	TRUE	9.90E-258
Allergic asthma	FADS2	cg25324164	rs174455	G	A	-0.331	0.024	0.347	4.50E-43	-0.025	0.014	0.072	0.049	189.205	TRUE	1.55E-40
Allergic asthma	FADS2	cg25324164	rs1800008	T	C	-0.249	0.028	0.215	1.98E-18	0.013	0.018	0.466	0.020	76.666	TRUE	9.73E-18
Allergic asthma	FADS2	cg25324164	rs2235093	A	G	0.181	0.024	0.492	1.60E-14	-0.020	0.014	0.150	0.016	58.938	TRUE	1.07E-13
Allergic asthma	FADS2	cg25324164	rs2521572	T	G	-0.332	0.056	0.046	3.74E-09	-0.083	0.044	0.060	0.009	34.733	TRUE	1.91E-08
Allergic asthma	FADS2	cg25324164	rs2736602	C	A	0.138	0.025	0.351	1.69E-08	0.011	0.014	0.436	0.009	31.807	TRUE	3.82E-08
Allergic asthma	FADS2	cg25324164	rs400075	T	C	-0.272	0.027	0.242	3.01E-23	-0.035	0.020	0.079	0.026	98.600	TRUE	7.42E-22
Allergic asthma	FADS2	cg25324164	rs500850	C	G	0.279	0.039	0.091	5.24E-13	0.031	0.028	0.268	0.014	52.084	TRUE	2.26E-12
Allergic asthma	FADS2	cg25324164	rs509360	A	G	0.260	0.025	0.336	5.05E-25	0.037	0.014	0.010	0.028	106.694	TRUE	4.14E-23
Allergic asthma	FADS2	cg25324164	rs7102974	T	C	-0.802	0.086	0.016	8.33E-21	-0.057	0.122	0.639	0.023	87.475	TRUE	3.79E-20
Allergic asthma	FADS2	cg25324164	rs72926147	A	G	-0.447	0.078	0.023	1.18E-08	-0.033	0.043	0.437	0.009	32.495	TRUE	2.71E-08
Allergic asthma	FADS2	cg25324164	rs7928482	A	G	-0.645	0.092	0.014	2.36E-12	-0.019	0.051	0.710	0.013	49.131	TRUE	5.21E-12
Allergic asthma	FADS2	cg25324164	rs968567	T	C	-0.970	0.026	0.176	9.68E-302	-0.009	0.022	0.684	0.275	1400.791	TRUE	8.56E-270
Allergic asthma	FBXO31	cg06750038	rs11117269	C	T	-0.534	0.023	0.442	4.82E-117	0.028	0.014	0.039	0.125	528.646	TRUE	5.84E-108
Allergic asthma	FBXO31	cg06750038	rs13334287	G	A	-0.342	0.036	0.116	1.68E-21	0.035	0.020	0.081	0.024	90.641	TRUE	3.34E-20
Allergic asthma	FBXO31	cg06750038	rs1864144	G	C	-0.390	0.058	0.044	1.65E-11	0.004	0.039	0.911	0.012	45.325	TRUE	2.79E-11
Allergic asthma	FBXO31	cg06750038	rs6540049	C	T	-0.296	0.025	0.309	1.38E-32	-0.008	0.014	0.583	0.037	141.227	TRUE	2.04E-31
Allergic asthma	FBXO31	cg06750038	rs71390888	G	C	-0.490	0.079	0.021	4.66E-10	0.006	0.045	0.897	0.010	38.794	TRUE	7.38E-10
Allergic asthma	FBXO31	cg06750038	rs71390902	C	T	-0.299	0.044	0.067	9.75E-12	-0.039	0.021	0.059	0.012	46.354	TRUE	6.93E-11
Allergic asthma	FBXO31	cg06750038	rs74622263	G	A	0.276	0.049	0.056	1.92E-08	0.065	0.033	0.050	0.008	31.557	TRUE	9.45E-08
Allergic asthma	FBXO31	cg06750038	rs8044820	G	A	-0.473	0.053	0.050	2.47E-19	0.041	0.027	0.124	0.021	80.779	TRUE	3.07E-18
Allergic asthma	FBXO31	cg06750038	rs8053397	G	C	0.156	0.026	0.273	1.89E-09	0.021	0.015	0.152	0.010	36.062	TRUE	7.34E-09
Allergic asthma	FBXO31	cg06750038	rs825579	A	G	0.179	0.024	0.473	6.66E-14	0.011	0.014	0.439	0.015	56.135	TRUE	2.33E-13
Allergic asthma	FBXO31	cg06750038	rs873222	A	G	-0.299	0.040	0.090	9.20E-14	0.063	0.022	0.005	0.015	55.501	TRUE	1.89E-12
Allergic asthma	FBXO31	cg06750038	rs9938266	C	T	-0.188	0.025	0.339	3.51E-14	-0.004	0.014	0.751	0.015	57.393	TRUE	8.35E-14
Allergic asthma	FBXO31	cg09880724	rs111469125	G	A	0.608	0.054	0.050	3.40E-29	0.003	0.031	0.934	0.033	125.733	TRUE	1.95E-28
Allergic asthma	FBXO31	cg09880724	rs111931917	G	A	0.396	0.040	0.100	6.93E-23	-0.033	0.029	0.254	0.026	96.948	TRUE	8.13E-22
Allergic asthma	FBXO31	cg09880724	rs113137978	T	C	0.606	0.084	0.014	4.87E-13	-0.002	0.060	0.969	0.014	52.227	TRUE	8.45E-13
Allergic asthma	FBXO31	cg09880724	rs117825456	T	G	0.332	0.058	0.040	1.30E-08	-0.026	0.042	0.533	0.009	32.320	TRUE	2.66E-08
Allergic asthma	FBXO31	cg09880724	rs2334207	T	G	-0.163	0.023	0.481	2.46E-12	0.005	0.014	0.711	0.013	49.049	TRUE	5.42E-12
Allergic asthma	FBXO31	cg09880724	rs2573119	A	G	0.264	0.037	0.110	8.10E-13	0.056	0.025	0.026	0.014	51.230	TRUE	8.73E-12
Allergic asthma	FBXO31	cg09880724	rs4552033	A	G	0.245	0.032	0.155	1.61E-14	-0.009	0.022	0.681	0.016	58.923	TRUE	4.27E-14
Allergic asthma	FBXO31	cg09880724	rs6540049	C	T	-0.219	0.025	0.309	5.24E-19	-0.008	0.014	0.583	0.021	79.293	TRUE	2.24E-18
Allergic asthma	FBXO31	cg09880724	rs76928063	T	C	0.402	0.066	0.034	1.10E-09	-0.098	0.038	0.010	0.010	37.122	TRUE	9.69E-09
Allergic asthma	FEZ1	cg01460481	rs2321158	G	A	-0.167	0.023	0.472	8.75E-13	0.014	0.014	0.329	0.014	51.079	TRUE	3.31E-12
Allergic asthma	FEZ1	cg01460481	rs2845849	T	C	-0.205	0.028	0.230	1.48E-13	0.014	0.016	0.377	0.015	54.564	TRUE	5.54E-13
Allergic asthma	FEZ1	cg01460481	rs3862619	T	G	0.253	0.024	0.404	6.24E-27	-0.011	0.014	0.414	0.030	115.397	TRUE	7.46E-26
Allergic asthma	FEZ1	cg01460481	rs511246	T	C	0.643	0.107	0.014	1.82E-09	0.010	0.045	0.825	0.010	36.138	TRUE	2.98E-09
Allergic asthma	FEZ1	cg01460481	rs546039	C	T	0.183	0.024	0.395	1.88E-14	-0.013	0.014	0.343	0.016	58.626	TRUE	8.03E-14
Allergic asthma	FEZ1	cg01460481	rs666160	G	A	0.838	0.035	0.118	1.02E-123	-0.041	0.017	0.016	0.131	559.312	TRUE	1.70E-113
Allergic asthma	FEZ1	cg01460481	rs77348105	C	T	0.754	0.072	0.029	8.91E-26	0.038	0.073	0.600	0.029	110.128	TRUE	6.63E-25

Allergic asthma	FEZ1	cg05390307	rs11220103	T	C	-0.177	0.029	0.192	1.62E-09	0.006	0.016	0.723	0.010	36.369	TRUE	2.92E-09
Allergic asthma	FEZ1	cg06302541	rs551131	T	C	-0.238	0.043	0.084	3.38E-08	0.013	0.026	0.617	0.008	30.460	TRUE	6.21E-08
Allergic asthma	FEZ1	cg12906303	rs10893425	C	T	-0.158	0.023	0.495	1.07E-11	0.007	0.014	0.607	0.012	46.167	TRUE	2.54E-11
Allergic asthma	FEZ1	cg12906303	rs13424	C	A	0.144	0.024	0.326	3.69E-09	-0.006	0.014	0.652	0.009	34.761	TRUE	7.00E-09
Allergic asthma	FEZ1	cg12906303	rs1522761	C	A	-0.155	0.023	0.466	1.69E-11	0.021	0.014	0.127	0.012	45.274	TRUE	8.81E-11
Allergic asthma	FEZ1	cg12906303	rs1941367	T	C	0.203	0.024	0.355	1.52E-17	-0.009	0.014	0.517	0.019	72.649	TRUE	6.37E-17
Allergic asthma	FEZ1	cg12906303	rs2321158	G	A	-0.207	0.023	0.472	6.89E-19	0.014	0.014	0.329	0.021	78.752	TRUE	4.55E-18
Allergic asthma	FEZ1	cg12906303	rs2513090	A	G	0.808	0.035	0.124	3.71E-118	-0.042	0.017	0.014	0.126	533.761	TRUE	1.73E-108
Allergic asthma	FEZ1	cg12906303	rs511246	T	C	0.657	0.107	0.014	7.30E-10	0.010	0.045	0.825	0.010	37.919	TRUE	1.22E-09
Allergic asthma	FEZ1	cg12906303	rs77348105	C	T	0.711	0.072	0.029	3.50E-23	0.038	0.073	0.600	0.026	98.300	TRUE	2.07E-22
Allergic asthma	FEZ1	cg15184602	rs12421948	T	C	-0.201	0.034	0.139	3.79E-09	0.002	0.021	0.940	0.009	34.709	TRUE	5.50E-09
Allergic asthma	FEZ1	cg15184602	rs1284352	C	A	0.146	0.024	0.356	1.83E-09	0.011	0.014	0.441	0.010	36.125	TRUE	4.45E-09
Allergic asthma	FEZ1	cg15184602	rs2849222	C	T	0.208	0.026	0.291	3.58E-16	-0.014	0.014	0.319	0.018	66.416	TRUE	1.88E-15
Allergic asthma	FEZ1	cg18436735	rs2845849	T	C	-0.176	0.028	0.230	1.98E-10	0.014	0.016	0.377	0.011	40.464	TRUE	5.66E-10
Allergic asthma	FEZ1	cg18436735	rs3862619	T	G	0.178	0.024	0.404	4.42E-14	-0.011	0.014	0.414	0.015	56.943	TRUE	1.63E-13
Allergic asthma	FEZ1	cg18436735	rs669052	C	A	0.636	0.036	0.121	1.28E-70	-0.042	0.017	0.013	0.079	315.492	TRUE	1.48E-65
Allergic asthma	FEZ1	cg18436735	rs77348105	C	T	0.575	0.072	0.029	1.38E-15	0.038	0.073	0.600	0.017	63.768	TRUE	4.38E-15
Allergic asthma	FEZ1	cg19433435	rs2155388	A	G	0.166	0.026	0.284	1.40E-10	-0.017	0.014	0.225	0.011	41.143	TRUE	5.21E-10
Allergic asthma	FEZ1	cg19792194	rs601034	C	T	-0.455	0.042	0.093	1.05E-27	0.003	0.023	0.905	0.031	118.935	TRUE	5.54E-27
Allergic asthma	FEZ1	cg23366166	rs7108311	A	G	-0.172	0.031	0.168	3.16E-08	0.012	0.017	0.483	0.008	30.592	TRUE	6.64E-08
Allergic asthma	FOXF1	cg01142386	rs112902103	G	C	0.418	0.052	0.051	6.77E-16	0.075	0.037	0.046	0.017	65.163	TRUE	8.84E-15
Allergic asthma	FOXF1	cg01168283	rs146886904	T	C	0.638	0.074	0.024	6.17E-18	-0.006	0.026	0.816	0.020	74.425	TRUE	1.75E-17
Allergic asthma	FOXF1	cg01168283	rs7187428	G	T	0.345	0.025	0.280	9.11E-42	0.000	0.015	0.990	0.047	183.227	TRUE	1.57E-40
Allergic asthma	FOXF1	cg01243371	rs11865162	A	G	0.227	0.036	0.113	4.46E-10	-0.008	0.017	0.649	0.010	38.878	TRUE	9.02E-10
Allergic asthma	FOXF1	cg01243371	rs3829536	C	T	0.147	0.025	0.303	2.98E-09	-0.005	0.015	0.714	0.009	35.177	TRUE	5.35E-09
Allergic asthma	FOXF1	cg01243371	rs7185244	T	C	-0.243	0.028	0.215	4.41E-18	0.002	0.017	0.908	0.020	75.087	TRUE	1.12E-17
Allergic asthma	FOXF1	cg01243371	rs77088019	C	T	0.502	0.053	0.047	3.35E-21	0.033	0.041	0.419	0.024	89.275	TRUE	2.29E-20
Allergic asthma	FOXF1	cg01243371	rs79805292	A	G	0.274	0.044	0.067	4.57E-10	-0.034	0.050	0.503	0.010	38.830	TRUE	1.08E-09
Allergic asthma	FOXF1	cg01695533	rs1364225	C	G	0.181	0.027	0.252	9.81E-12	0.000	0.016	0.987	0.012	46.342	TRUE	1.55E-11
Allergic asthma	FOXF1	cg03366439	rs77626209	C	A	0.225	0.027	0.249	3.33E-17	0.005	0.016	0.765	0.019	71.098	TRUE	9.60E-17
Allergic asthma	FOXF1	cg03492747	rs117056203	G	A	-0.578	0.093	0.014	5.62E-10	0.048	0.096	0.620	0.010	38.427	TRUE	1.16E-09
Allergic asthma	FOXF1	cg03492747	rs117790432	T	C	-0.415	0.049	0.064	4.80E-17	0.108	0.049	0.028	0.019	70.380	TRUE	8.80E-16
Allergic asthma	FOXF1	cg03492747	rs1364225	C	G	-0.716	0.026	0.252	1.40E-169	0.000	0.016	0.987	0.172	770.088	TRUE	9.57E-157
Allergic asthma	FOXF1	cg03492747	rs1424017	T	C	0.131	0.023	0.435	2.17E-08	0.018	0.014	0.187	0.008	31.320	TRUE	6.96E-08
Allergic asthma	FOXF1	cg03492747	rs39532	G	C	0.203	0.025	0.319	1.08E-15	0.013	0.014	0.371	0.017	64.243	TRUE	4.92E-15
Allergic asthma	FOXF1	cg03492747	rs7204236	C	T	-0.207	0.024	0.461	1.90E-18	0.013	0.014	0.341	0.020	76.747	TRUE	1.18E-17
Allergic asthma	FOXF1	cg05555338	rs1424019	A	G	0.313	0.027	0.249	6.06E-32	-0.001	0.016	0.948	0.036	138.292	TRUE	4.31E-31
Allergic asthma	FOXF1	cg06602857	rs1169646	T	C	-0.265	0.031	0.172	2.44E-17	0.045	0.017	0.008	0.019	71.712	TRUE	7.35E-16
Allergic asthma	FOXF1	cg06602857	rs117056203	G	A	0.581	0.093	0.014	4.76E-10	0.048	0.096	0.620	0.010	38.751	TRUE	9.90E-10
Allergic asthma	FOXF1	cg06602857	rs117790432	T	C	0.389	0.049	0.064	3.43E-15	0.108	0.049	0.028	0.016	61.970	TRUE	4.94E-14
Allergic asthma	FOXF1	cg06602857	rs12102689	G	A	-0.146	0.025	0.329	3.44E-09	-0.003	0.014	0.817	0.009	34.896	TRUE	5.60E-09
Allergic asthma	FOXF1	cg06602857	rs12711500	C	G	0.171	0.025	0.309	1.18E-11	0.014	0.014	0.321	0.012	45.980	TRUE	4.09E-11

Allergic asthma	FOXF1	cg06602857	rs39532	G	C	-0.220	0.025	0.319	4.14E-18	0.013	0.014	0.371	0.020	75.213	TRUE	2.34E-17
Allergic asthma	FOXF1	cg06602857	rs4843377	A	G	0.162	0.024	0.455	8.43E-12	0.003	0.014	0.836	0.012	46.637	TRUE	1.57E-11
Allergic asthma	FOXF1	cg06602857	rs66463231	T	G	-0.246	0.041	0.190	1.82E-09	0.069	0.023	0.003	0.010	36.143	TRUE	2.08E-08
Allergic asthma	FOXF1	cg06602857	rs77626209	C	A	0.702	0.026	0.249	1.83E-161	0.005	0.016	0.765	0.165	732.771	TRUE	2.66E-149
Allergic asthma	FOXF1	cg09338251	rs1169645	T	A	0.181	0.031	0.178	4.46E-09	0.045	0.017	0.008	0.009	34.392	TRUE	3.85E-08
Allergic asthma	FOXK1	cg00064840	rs28658109	C	T	0.184	0.031	0.168	3.64E-09	0.001	0.016	0.928	0.009	34.788	TRUE	5.35E-09
Allergic asthma	FOXK1	cg00064840	rs6463014	T	C	-0.195	0.028	0.232	3.20E-12	-0.025	0.018	0.174	0.013	48.537	TRUE	1.58E-11
Allergic asthma	FOXK1	cg00064840	rs7784748	T	C	-0.532	0.023	0.426	1.67E-120	-0.033	0.015	0.026	0.128	544.544	TRUE	7.62E-111
Allergic asthma	FOXK1	cg01509853	rs10262715	A	G	-0.145	0.024	0.413	7.89E-10	-0.033	0.015	0.027	0.010	37.766	TRUE	5.56E-09
Allergic asthma	FOXK1	cg01509853	rs17135109	T	C	0.476	0.076	0.025	3.78E-10	-0.006	0.082	0.941	0.010	39.202	TRUE	5.77E-10
Allergic asthma	FOXK1	cg01509853	rs28476654	T	A	0.903	0.094	0.030	7.36E-22	-0.015	0.025	0.530	0.024	92.273	TRUE	4.37E-21
Allergic asthma	FOXK1	cg01509853	rs7788807	C	T	0.408	0.070	0.058	4.44E-09	0.034	0.034	0.319	0.009	34.403	TRUE	1.22E-08
Allergic asthma	FOXK1	cg03599658	rs150248176	C	G	-0.641	0.077	0.025	9.33E-17	-0.012	0.082	0.886	0.018	69.070	TRUE	2.23E-16
Allergic asthma	FOXK1	cg04261496	rs4540325	T	C	-0.181	0.024	0.383	4.53E-14	-0.026	0.014	0.072	0.015	56.892	TRUE	3.97E-13
Allergic asthma	FOXK1	cg05117982	rs12701865	G	T	0.147	0.025	0.343	3.54E-09	-0.025	0.016	0.116	0.009	34.843	TRUE	1.47E-08
Allergic asthma	FOXK1	cg05117982	rs6973046	G	A	-0.336	0.023	0.487	7.61E-47	0.029	0.014	0.038	0.053	206.480	TRUE	7.18E-44
Allergic asthma	FOXK1	cg05117982	rs7788807	C	T	0.416	0.070	0.058	2.52E-09	0.034	0.034	0.319	0.010	35.506	TRUE	7.10E-09
Allergic asthma	FOXK1	cg05764847	rs7793919	T	C	0.355	0.023	0.416	7.99E-54	-0.036	0.015	0.015	0.061	238.460	TRUE	4.27E-50
Allergic asthma	FOXK1	cg06287775	rs7781115	A	G	-0.212	0.023	0.424	2.00E-19	-0.034	0.015	0.026	0.021	81.199	TRUE	5.12E-18
Allergic asthma	FOXK1	cg06660057	rs111416305	C	T	-0.276	0.042	0.083	4.55E-11	0.094	0.027	5.10E-04	0.012	43.337	TRUE	9.85E-10
Allergic asthma	FOXK1	cg06660057	rs113297525	C	T	-0.393	0.051	0.066	1.93E-14	0.048	0.035	0.172	0.016	58.570	TRUE	1.20E-13
Allergic asthma	FOXK1	cg06660057	rs11973119	G	T	-0.555	0.047	0.073	1.32E-32	-0.008	0.028	0.768	0.037	141.323	TRUE	1.37E-31
Allergic asthma	FOXK1	cg06660057	rs300538	G	A	-0.154	0.027	0.265	8.61E-09	0.014	0.017	0.408	0.009	33.114	TRUE	2.06E-08
Allergic asthma	FOXK1	cg06660057	rs35541996	T	C	-0.498	0.084	0.043	3.23E-09	0.054	0.026	0.036	0.009	35.019	TRUE	1.94E-08
Allergic asthma	FOXK1	cg06660057	rs4540325	T	C	0.161	0.024	0.383	4.17E-11	-0.026	0.014	0.072	0.012	43.509	TRUE	2.57E-10
Allergic asthma	FOXK1	cg06660057	rs62452116	A	C	-0.344	0.035	0.126	2.27E-23	-0.008	0.018	0.665	0.026	99.159	TRUE	1.22E-22
Allergic asthma	FOXK1	cg06660057	rs79255073	G	A	-0.729	0.116	0.023	3.04E-10	0.010	0.062	0.874	0.011	39.625	TRUE	4.98E-10
Allergic asthma	FOXK1	cg06846441	rs3087749	T	G	-0.300	0.023	0.491	5.49E-38	0.017	0.014	0.210	0.043	165.924	TRUE	4.15E-36
Allergic asthma	FOXK1	cg07044458	rs4132809	G	A	-0.163	0.024	0.385	1.68E-11	-0.024	0.014	0.097	0.012	45.284	TRUE	9.74E-11
Allergic asthma	FOXK1	cg09281805	rs10228886	G	A	0.212	0.024	0.486	2.47E-19	0.029	0.014	0.037	0.021	80.781	TRUE	5.43E-18
Allergic asthma	FOXK1	cg09281805	rs10271158	G	A	-0.312	0.027	0.248	8.99E-32	-0.002	0.015	0.884	0.036	137.509	TRUE	7.03E-31
Allergic asthma	FOXK1	cg09281805	rs112649083	C	G	-0.608	0.110	0.011	3.55E-08	-0.092	0.121	0.444	0.008	30.364	TRUE	7.76E-08
Allergic asthma	FOXK1	cg09281805	rs12701865	G	T	-1.007	0.018	0.343	<1E-200	-0.025	0.016	0.116	0.455	3086.189	TRUE	<1E-200
Allergic asthma	FOXK1	cg09281805	rs28476654	T	A	-0.680	0.095	0.030	6.85E-13	-0.015	0.025	0.530	0.014	51.559	TRUE	1.95E-12
Allergic asthma	FOXK1	cg09281805	rs4720386	G	T	0.391	0.050	0.115	9.89E-15	-0.015	0.022	0.491	0.016	59.886	TRUE	3.43E-14
Allergic asthma	FOXK1	cg09281805	rs62450817	G	A	-0.201	0.024	0.382	1.39E-16	0.025	0.014	0.069	0.018	68.286	TRUE	1.66E-15
Allergic asthma	FOXK1	cg09281805	rs6463034	C	T	-0.344	0.038	0.132	1.59E-19	0.014	0.024	0.560	0.022	81.645	TRUE	7.37E-19
Allergic asthma	FOXK1	cg09281805	rs74766564	G	A	-0.662	0.098	0.014	1.34E-11	0.008	0.069	0.909	0.012	45.733	TRUE	2.28E-11
Allergic asthma	FOXK1	cg09281805	rs76666907	A	G	-0.927	0.061	0.081	6.38E-53	0.028	0.025	0.265	0.060	234.325	TRUE	2.84E-50
Allergic asthma	FOXK1	cg09281805	rs7788807	C	T	-0.589	0.069	0.058	2.15E-17	0.034	0.034	0.319	0.019	71.966	TRUE	1.26E-16
Allergic asthma	FOXK1	cg09395443	rs62452134	A	G	-0.257	0.035	0.127	9.59E-14	-0.008	0.018	0.659	0.015	55.419	TRUE	2.47E-13
Allergic asthma	FOXK1	cg09395443	rs79357656	T	A	0.300	0.054	0.049	3.04E-08	-0.023	0.035	0.510	0.008	30.664	TRUE	6.22E-08

Allergic asthma	FOXK1	cg09789173	rs62450856	A	G	0.272	0.035	0.128	4.73E-15	-0.008	0.018	0.653	0.016	61.337	TRUE	1.35E-14
Allergic asthma	FOXK1	cg09789173	rs6463014	T	C	-0.387	0.028	0.232	5.35E-44	-0.025	0.018	0.174	0.050	193.440	TRUE	1.04E-41
Allergic asthma	FOXK1	cg09789173	rs74766197	T	G	-0.331	0.059	0.082	2.03E-08	-0.014	0.030	0.647	0.008	31.447	TRUE	3.68E-08
Allergic asthma	FOXK1	cg09789173	rs76666907	A	G	0.559	0.062	0.081	1.81E-19	0.028	0.025	0.265	0.022	81.394	TRUE	1.46E-18
Allergic asthma	FOXK1	cg09789173	rs7793918	T	G	-0.830	0.020	0.410	<1E-200	-0.036	0.015	0.017	0.310	1662.875	TRUE	<1E-200
Allergic asthma	FOXK1	cg10106935	rs113195187	C	T	-0.509	0.048	0.069	1.71E-26	-0.007	0.029	0.812	0.030	113.400	TRUE	9.49E-26
Allergic asthma	FOXK1	cg10106935	rs113297525	C	T	-0.389	0.051	0.066	3.46E-14	0.048	0.035	0.172	0.015	57.421	TRUE	2.10E-13
Allergic asthma	FOXK1	cg10106935	rs300538	G	A	-0.188	0.027	0.265	1.59E-12	0.014	0.017	0.408	0.013	49.906	TRUE	5.20E-12
Allergic asthma	FOXK1	cg10106935	rs35541996	T	C	-0.464	0.084	0.043	3.45E-08	0.054	0.026	0.036	0.008	30.417	TRUE	1.79E-07
Allergic asthma	FOXK1	cg10106935	rs62452060	A	G	-0.292	0.034	0.129	2.01E-17	-0.008	0.018	0.657	0.019	72.093	TRUE	6.82E-17
Allergic asthma	FOXK1	cg10106935	rs62453200	G	C	0.145	0.024	0.391	2.01E-09	-0.027	0.014	0.057	0.010	35.941	TRUE	1.08E-08
Allergic asthma	FOXK1	cg10106935	rs79255073	G	A	-0.681	0.116	0.023	4.17E-09	0.010	0.062	0.874	0.009	34.525	TRUE	6.40E-09
Allergic asthma	FOXK1	cg10118545	rs7784748	T	C	-0.441	0.023	0.426	3.84E-81	-0.033	0.015	0.026	0.090	363.778	TRUE	2.08E-75
Allergic asthma	FOXK1	cg10888348	rs113195187	C	T	-0.329	0.048	0.069	8.39E-12	-0.007	0.029	0.812	0.012	46.647	TRUE	1.60E-11
Allergic asthma	FOXK1	cg10888348	rs62452140	T	G	-0.335	0.052	0.049	1.08E-10	0.010	0.033	0.771	0.011	41.648	TRUE	2.01E-10
Allergic asthma	FOXK1	cg10888348	rs76666907	A	G	0.372	0.062	0.081	2.46E-09	0.028	0.025	0.265	0.010	35.553	TRUE	7.53E-09
Allergic asthma	FOXK1	cg10888348	rs7786525	A	C	-0.687	0.030	0.178	5.03E-118	-0.042	0.020	0.038	0.126	533.156	TRUE	8.16E-109
Allergic asthma	FOXK1	cg13287553	rs7784748	T	C	-0.472	0.023	0.426	5.93E-94	-0.033	0.015	0.026	0.103	422.593	TRUE	4.79E-87
Allergic asthma	FOXK1	cg13312702	rs149855606	A	G	-0.670	0.075	0.024	3.68E-19	0.026	0.029	0.356	0.021	79.992	TRUE	2.35E-18
Allergic asthma	FOXK1	cg14582057	rs12701865	G	T	0.168	0.025	0.343	1.52E-11	-0.025	0.016	0.116	0.012	45.482	TRUE	8.25E-11
Allergic asthma	FOXK1	cg14582057	rs6973046	G	A	-0.302	0.023	0.487	4.49E-38	0.029	0.014	0.038	0.043	166.327	TRUE	1.17E-35
Allergic asthma	FOXK1	cg15176413	rs12701865	G	T	0.229	0.025	0.343	2.73E-20	-0.025	0.016	0.116	0.022	85.130	TRUE	3.91E-19
Allergic asthma	FOXK1	cg15176413	rs6973046	G	A	-0.441	0.023	0.487	5.88E-81	0.029	0.014	0.038	0.089	362.930	TRUE	2.20E-75
Allergic asthma	FOXK1	cg15176413	rs7788807	C	T	0.425	0.070	0.058	1.16E-09	0.034	0.034	0.319	0.010	37.009	TRUE	3.38E-09
Allergic asthma	FOXK1	cg18733230	rs7786525	A	C	-0.308	0.031	0.178	5.74E-24	-0.042	0.020	0.038	0.027	101.878	TRUE	2.25E-22
Allergic asthma	FOXK1	cg19336198	rs62452150	T	C	-0.264	0.038	0.105	3.61E-12	-0.003	0.018	0.871	0.013	48.301	TRUE	6.60E-12
Allergic asthma	FOXK1	cg20349812	rs12701865	G	T	0.186	0.025	0.343	6.77E-14	-0.025	0.016	0.116	0.015	56.105	TRUE	4.77E-13
Allergic asthma	FOXK1	cg20349812	rs6973046	G	A	-0.406	0.023	0.487	2.04E-68	0.029	0.014	0.038	0.076	305.380	TRUE	7.02E-64
Allergic asthma	FOXK1	cg20349812	rs7788807	C	T	0.462	0.070	0.058	3.48E-11	0.034	0.034	0.319	0.012	43.865	TRUE	1.16E-10
Allergic asthma	FOXK1	cg22753962	rs111416305	C	T	-0.246	0.042	0.083	4.72E-09	0.094	0.027	5.10E-04	0.009	34.284	TRUE	6.93E-08
Allergic asthma	FOXK1	cg22753962	rs113297525	C	T	-0.348	0.051	0.066	1.35E-11	0.048	0.035	0.172	0.012	45.719	TRUE	6.25E-11
Allergic asthma	FOXK1	cg22753962	rs11973119	G	T	-0.513	0.047	0.073	5.44E-28	-0.008	0.028	0.768	0.031	120.236	TRUE	3.69E-27
Allergic asthma	FOXK1	cg22753962	rs13232425	T	C	-0.129	0.024	0.486	4.31E-08	0.030	0.014	0.028	0.008	29.988	TRUE	2.34E-07
Allergic asthma	FOXK1	cg22753962	rs300538	G	A	-0.188	0.027	0.265	2.02E-12	0.014	0.017	0.408	0.013	49.439	TRUE	6.54E-12
Allergic asthma	FOXK1	cg22753962	rs35541996	T	C	-0.629	0.084	0.043	6.01E-14	0.054	0.026	0.036	0.015	56.337	TRUE	6.74E-13
Allergic asthma	FOXK1	cg22753962	rs59864860	A	T	-0.347	0.034	0.135	3.47E-24	-0.008	0.018	0.657	0.027	102.878	TRUE	2.03E-23
Allergic asthma	FOXK1	cg23318967	rs6968957	G	A	-0.230	0.024	0.387	4.44E-22	-0.027	0.014	0.054	0.025	93.275	TRUE	1.16E-20
Allergic asthma	FOXK1	cg23871697	rs12701943	C	T	0.252	0.040	0.096	4.86E-10	0.006	0.030	0.854	0.010	38.711	TRUE	8.01E-10
Allergic asthma	FOXK1	cg23871697	rs3763381	T	C	0.159	0.023	0.495	1.22E-11	0.009	0.014	0.487	0.012	45.908	TRUE	3.34E-11
Allergic asthma	FOXK1	cg26800803	rs12701865	G	T	0.193	0.025	0.343	6.31E-15	-0.025	0.016	0.116	0.016	60.770	TRUE	4.98E-14
Allergic asthma	FOXK1	cg26800803	rs6973046	G	A	-0.379	0.023	0.487	1.31E-59	0.029	0.014	0.038	0.067	264.990	TRUE	9.58E-56
Allergic asthma	FOXK2	cg01122847	rs149143300	T	C	-0.819	0.089	0.017	2.24E-20	-0.023	0.043	0.600	0.023	85.523	TRUE	1.04E-19

Allergic asthma	FOXK2	cg01122847	rs62079679	T	C	-0.550	0.058	0.045	5.50E-21	0.019	0.045	0.675	0.023	88.298	TRUE	2.40E-20
Allergic asthma	FOXK2	cg01483119	rs11869798	C	A	0.169	0.026	0.281	1.64E-10	0.006	0.014	0.685	0.011	40.829	TRUE	3.29E-10
Allergic asthma	FOXK2	cg01483119	rs149143300	T	C	-0.783	0.089	0.017	1.51E-18	-0.023	0.043	0.600	0.020	77.199	TRUE	6.07E-18
Allergic asthma	FOXK2	cg01483119	rs3752822	G	C	-0.285	0.030	0.178	8.25E-21	-0.024	0.019	0.198	0.023	87.495	TRUE	9.18E-20
Allergic asthma	FOXK2	cg01483119	rs3794713	C	T	0.282	0.031	0.165	8.72E-20	-0.018	0.016	0.243	0.022	82.834	TRUE	7.69E-19
Allergic asthma	FOXK2	cg01483119	rs75794119	A	G	-0.482	0.058	0.044	5.86E-17	-0.005	0.040	0.903	0.019	69.987	TRUE	1.39E-16
Allergic asthma	FOXK2	cg01483119	rs77037677	A	G	-0.670	0.050	0.055	4.19E-41	-0.022	0.035	0.538	0.046	180.193	TRUE	1.73E-39
Allergic asthma	FOXK2	cg01483119	rs78077159	G	C	-0.339	0.052	0.052	6.23E-11	-0.049	0.044	0.265	0.011	42.723	TRUE	2.22E-10
Allergic asthma	FOXK2	cg02094337	rs12452440	T	C	0.174	0.024	0.430	1.45E-13	0.010	0.014	0.445	0.015	54.603	TRUE	4.90E-13
Allergic asthma	FOXK2	cg02094337	rs4789705	C	G	0.209	0.036	0.127	3.91E-09	0.044	0.022	0.049	0.009	34.649	TRUE	2.12E-08
Allergic asthma	FOXK2	cg02116768	rs72852022	T	C	-0.207	0.030	0.203	2.65E-12	0.014	0.015	0.355	0.013	48.908	TRUE	9.19E-12
Allergic asthma	FOXK2	cg02796939	rs753569	T	G	-0.351	0.029	0.210	1.59E-33	0.014	0.016	0.366	0.038	145.514	TRUE	4.27E-32
Allergic asthma	FOXK2	cg02796939	rs78165269	C	G	0.215	0.025	0.304	2.15E-17	0.016	0.016	0.293	0.019	71.965	TRUE	1.33E-16
Allergic asthma	FOXK2	cg03238119	rs4789817	G	A	0.151	0.025	0.355	6.63E-10	-0.014	0.014	0.311	0.010	38.107	TRUE	1.99E-09
Allergic asthma	FOXK2	cg03238119	rs79150306	T	A	-0.275	0.050	0.055	4.40E-08	-0.022	0.035	0.538	0.008	29.950	TRUE	8.64E-08
Allergic asthma	FOXK2	cg04381393	rs113425960	T	G	-2.006	0.162	0.013	3.69E-35	-0.035	0.039	0.364	0.040	152.993	TRUE	1.19E-33
Allergic asthma	FOXK2	cg04381393	rs117895336	A	G	-0.386	0.061	0.042	3.31E-10	-0.012	0.056	0.835	0.011	39.460	TRUE	5.61E-10
Allergic asthma	FOXK2	cg04800768	rs1387545	T	C	-0.322	0.032	0.389	3.20E-23	0.004	0.014	0.779	0.026	98.479	TRUE	1.43E-22
Allergic asthma	FOXK2	cg04800768	rs17885612	G	C	-0.142	0.025	0.289	2.45E-08	-0.007	0.015	0.632	0.008	31.086	TRUE	4.47E-08
Allergic asthma	FOXK2	cg05331763	rs112974026	A	G	0.336	0.032	0.151	2.61E-26	-0.011	0.020	0.581	0.030	112.564	TRUE	2.11E-25
Allergic asthma	FOXK2	cg05331763	rs11652501	G	C	0.479	0.024	0.362	1.52E-91	0.012	0.014	0.401	0.100	411.535	TRUE	2.86E-86
Allergic asthma	FOXK2	cg05331763	rs117542937	T	C	-0.476	0.074	0.024	1.01E-10	-0.063	0.047	0.183	0.011	41.782	TRUE	4.16E-10
Allergic asthma	FOXK2	cg05331763	rs144288267	C	T	-0.364	0.053	0.046	5.04E-12	0.044	0.035	0.218	0.013	47.647	TRUE	2.19E-11
Allergic asthma	FOXK2	cg05331763	rs4789817	G	A	-0.191	0.024	0.355	5.97E-15	-0.014	0.014	0.311	0.016	60.880	TRUE	2.84E-14
Allergic asthma	FOXK2	cg05331763	rs73371707	A	G	0.404	0.072	0.061	1.70E-08	0.030	0.036	0.415	0.009	31.797	TRUE	3.93E-08
Allergic asthma	FOXK2	cg05331763	rs9905533	T	C	-1.113	0.036	0.108	1.23E-215	-0.017	0.025	0.487	0.210	981.827	TRUE	4.76E-195
Allergic asthma	FOXK2	cg05331763	rs9911222	T	C	-1.115	0.025	0.173	<1E-200	-0.005	0.018	0.770	0.353	2017.296	TRUE	<1E-200
Allergic asthma	FOXK2	cg05578865	rs116857425	T	C	0.481	0.081	0.020	2.48E-09	-0.157	0.081	0.053	0.010	35.537	TRUE	1.35E-08
Allergic asthma	FOXK2	cg05578865	rs117252262	T	C	-0.546	0.087	0.020	3.20E-10	-0.091	0.047	0.056	0.011	39.528	TRUE	1.91E-09
Allergic asthma	FOXK2	cg05578865	rs12150524	A	G	-0.331	0.051	0.054	5.86E-11	-0.021	0.036	0.557	0.011	42.845	TRUE	1.39E-10
Allergic asthma	FOXK2	cg05578865	rs12936476	T	C	-0.178	0.024	0.476	5.67E-14	-0.006	0.014	0.676	0.015	56.451	TRUE	1.45E-13
Allergic asthma	FOXK2	cg05578865	rs12948621	C	A	-0.238	0.024	0.379	5.16E-23	-0.016	0.014	0.235	0.026	97.533	TRUE	6.46E-22
Allergic asthma	FOXK2	cg05578865	rs148600435	A	G	-0.548	0.091	0.017	1.48E-09	0.033	0.036	0.360	0.010	36.544	TRUE	4.01E-09
Allergic asthma	FOXK2	cg05578865	rs186634489	A	G	-0.400	0.029	0.182	6.97E-42	0.019	0.017	0.249	0.047	183.756	TRUE	7.38E-40
Allergic asthma	FOXK2	cg05578865	rs34509144	A	T	-0.372	0.060	0.045	5.93E-10	-0.022	0.032	0.494	0.010	38.323	TRUE	1.41E-09
Allergic asthma	FOXK2	cg05578865	rs3794713	C	T	-0.665	0.030	0.165	7.11E-108	-0.018	0.016	0.243	0.116	486.529	TRUE	9.70E-101
Allergic asthma	FOXK2	cg05578865	rs60966564	A	G	0.521	0.029	0.212	1.02E-73	-0.021	0.018	0.260	0.082	329.710	TRUE	1.29E-69
Allergic asthma	FOXK2	cg05578865	rs73357180	C	T	0.382	0.034	0.134	1.22E-28	0.057	0.023	0.014	0.032	123.199	TRUE	1.45E-26
Allergic asthma	FOXK2	cg05578865	rs74001784	T	C	0.289	0.053	0.050	3.84E-08	0.034	0.025	0.174	0.008	30.211	TRUE	1.23E-07
Allergic asthma	FOXK2	cg05578865	rs77256703	G	A	-0.777	0.020	0.441	<1E-200	-0.005	0.014	0.727	0.285	1474.022	TRUE	1.86E-282
Allergic asthma	FOXK2	cg05578865	rs79233685	T	G	0.207	0.036	0.115	8.04E-09	0.039	0.025	0.123	0.009	33.248	TRUE	3.14E-08
Allergic asthma	FOXK2	cg05578865	rs8067360	C	T	0.203	0.024	0.455	1.01E-17	0.015	0.014	0.280	0.019	73.446	TRUE	6.66E-17

Allergic asthma	FOXK2	cg05578865	rs8069795	C	A	-0.150	0.027	0.261	1.98E-08	-0.026	0.016	0.115	0.008	31.497	TRUE	7.54E-08
Allergic asthma	FOXK2	cg05578865	rs8074423	T	C	0.140	0.025	0.343	1.43E-08	0.020	0.014	0.158	0.009	32.134	TRUE	4.96E-08
Allergic asthma	FOXK2	cg05578865	rs9891087	A	G	0.429	0.049	0.061	2.78E-18	0.078	0.034	0.023	0.020	76.001	TRUE	6.41E-17
Allergic asthma	FOXK2	cg05580415	rs11654159	T	C	-0.209	0.032	0.162	6.30E-11	-0.019	0.018	0.287	0.011	42.702	TRUE	2.16E-10
Allergic asthma	FOXK2	cg05580415	rs117039631	T	C	-0.544	0.086	0.019	2.65E-10	-0.066	0.053	0.216	0.011	39.894	TRUE	9.77E-10
Allergic asthma	FOXK2	cg05580415	rs117477450	G	C	-0.431	0.079	0.025	4.60E-08	-0.046	0.038	0.226	0.008	29.862	TRUE	1.33E-07
Allergic asthma	FOXK2	cg05580415	rs12150313	G	T	-0.288	0.050	0.055	1.10E-08	-0.021	0.036	0.558	0.009	32.633	TRUE	2.22E-08
Allergic asthma	FOXK2	cg05580415	rs12948621	C	A	-0.299	0.024	0.379	7.10E-36	-0.016	0.014	0.235	0.041	156.266	TRUE	3.75E-34
Allergic asthma	FOXK2	cg05580415	rs148600435	A	G	-0.520	0.091	0.017	9.68E-09	0.033	0.036	0.360	0.009	32.887	TRUE	2.45E-08
Allergic asthma	FOXK2	cg05580415	rs186634489	A	G	-0.341	0.030	0.182	7.04E-31	0.019	0.017	0.249	0.035	133.424	TRUE	1.98E-29
Allergic asthma	FOXK2	cg05580415	rs2279393	G	A	0.406	0.033	0.155	1.30E-35	0.035	0.020	0.089	0.040	155.057	TRUE	1.40E-33
Allergic asthma	FOXK2	cg05580415	rs2635417	A	C	-0.205	0.023	0.498	2.20E-18	-0.019	0.014	0.165	0.020	76.460	TRUE	2.11E-17
Allergic asthma	FOXK2	cg05580415	rs376385266	A	G	-0.190	0.027	0.243	2.79E-12	-0.025	0.017	0.134	0.013	48.803	TRUE	1.55E-11
Allergic asthma	FOXK2	cg05580415	rs3794713	C	T	-0.641	0.030	0.165	5.73E-100	-0.018	0.016	0.243	0.109	450.214	TRUE	1.36E-93
Allergic asthma	FOXK2	cg05580415	rs60966564	A	G	0.275	0.029	0.212	4.61E-21	-0.021	0.018	0.260	0.023	88.646	TRUE	4.42E-20
Allergic asthma	FOXK2	cg05580415	rs62079682	A	G	-0.330	0.060	0.045	3.64E-08	-0.023	0.032	0.480	0.008	30.316	TRUE	7.64E-08
Allergic asthma	FOXK2	cg05580415	rs7217917	T	C	-0.142	0.024	0.472	2.09E-09	-0.009	0.014	0.495	0.010	35.867	TRUE	4.75E-09
Allergic asthma	FOXK2	cg05580415	rs7406537	A	G	0.170	0.024	0.440	4.56E-13	0.019	0.014	0.173	0.014	52.356	TRUE	2.45E-12
Allergic asthma	FOXK2	cg05580415	rs77256703	G	A	-0.762	0.020	0.441	<1E-200	-0.005	0.014	0.727	0.278	1427.753	TRUE	1.55E-274
Allergic asthma	FOXK2	cg05580415	rs79989195	T	C	0.430	0.057	0.036	7.32E-14	0.034	0.039	0.384	0.015	55.949	TRUE	2.78E-13
Allergic asthma	FOXK2	cg05580415	rs9891087	A	G	0.337	0.049	0.061	7.85E-12	0.078	0.034	0.023	0.012	46.778	TRUE	7.64E-11
Allergic asthma	FOXK2	cg05580415	rs9916861	T	C	0.166	0.030	0.208	2.06E-08	-0.003	0.015	0.852	0.008	31.418	TRUE	3.11E-08
Allergic asthma	FOXK2	cg07539709	rs72852022	T	C	-0.293	0.029	0.203	2.27E-23	0.014	0.015	0.355	0.026	99.162	TRUE	2.17E-22
Allergic asthma	FOXK2	cg07539709	rs78165269	C	G	0.189	0.025	0.304	6.74E-14	0.016	0.016	0.293	0.015	56.113	TRUE	3.01E-13
Allergic asthma	FOXK2	cg08848988	rs3794713	C	T	-0.399	0.031	0.165	1.47E-38	-0.018	0.016	0.243	0.044	168.542	TRUE	1.05E-36
Allergic asthma	FOXK2	cg10255544	rs3829565	G	C	-0.674	0.038	0.101	4.97E-69	0.002	0.020	0.925	0.077	308.195	TRUE	3.43E-66
Allergic asthma	FOXK2	cg10255544	rs6502119	C	T	0.252	0.024	0.367	1.45E-25	0.010	0.014	0.481	0.029	109.171	TRUE	1.32E-24
Allergic asthma	FOXK2	cg10460657	rs8074559	G	A	0.296	0.048	0.150	9.51E-10	0.004	0.018	0.818	0.010	37.402	TRUE	1.59E-09
Allergic asthma	FOXK2	cg10460657	rs9788998	G	A	0.266	0.023	0.463	7.54E-30	-0.020	0.013	0.137	0.034	128.719	TRUE	2.94E-28
Allergic asthma	FOXK2	cg11779900	rs118072068	T	A	-0.548	0.087	0.022	3.03E-10	0.069	0.074	0.351	0.011	39.635	TRUE	8.84E-10
Allergic asthma	FOXK2	cg11779900	rs146599866	T	C	-0.930	0.024	0.242	<1E-200	-0.001	0.017	0.942	0.286	1484.276	TRUE	1.02E-284
Allergic asthma	FOXK2	cg11779900	rs4789820	C	A	-0.157	0.027	0.255	8.57E-09	0.001	0.015	0.944	0.009	33.123	TRUE	1.22E-08
Allergic asthma	FOXK2	cg11779900	rs62078078	T	C	0.309	0.028	0.228	2.99E-29	-0.013	0.016	0.407	0.033	125.988	TRUE	4.59E-28
Allergic asthma	FOXK2	cg11779900	rs79589817	T	C	-0.210	0.038	0.134	2.48E-08	0.041	0.020	0.038	0.008	31.058	TRUE	1.29E-07
Allergic asthma	FOXK2	cg11779900	rs9911222	T	C	0.219	0.031	0.173	1.60E-12	-0.005	0.018	0.770	0.013	49.893	TRUE	3.34E-12
Allergic asthma	FOXK2	cg11779900	rs9916019	C	A	0.305	0.038	0.107	8.33E-16	-0.018	0.025	0.457	0.017	64.755	TRUE	3.32E-15
Allergic asthma	FOXK2	cg14173033	rs140709442	A	G	-0.644	0.114	0.013	1.46E-08	-0.042	0.091	0.643	0.009	32.084	TRUE	2.69E-08
Allergic asthma	FOXK2	cg14173033	rs72852022	T	C	-0.256	0.030	0.203	4.39E-18	0.014	0.015	0.355	0.020	75.096	TRUE	2.55E-17
Allergic asthma	FOXK2	cg14173033	rs78165269	C	G	0.156	0.025	0.304	7.22E-10	0.016	0.016	0.293	0.010	37.940	TRUE	2.23E-09
Allergic asthma	FOXK2	cg14587273	rs1007494	A	G	-0.145	0.025	0.323	3.84E-09	-0.007	0.014	0.643	0.009	34.684	TRUE	7.34E-09
Allergic asthma	FOXK2	cg14587273	rs11656597	A	G	-0.182	0.028	0.221	1.24E-10	-0.010	0.016	0.514	0.011	41.372	TRUE	3.04E-10
Allergic asthma	FOXK2	cg14587273	rs28708773	T	G	-1.583	0.065	0.034	8.30E-130	0.006	0.056	0.918	0.137	587.291	TRUE	1.23E-121

Allergic asthma	FOXK2	cg14587273	rs56080345	T	A	-0.270	0.028	0.241	1.29E-22	0.015	0.015	0.337	0.025	95.711	TRUE	1.20E-21
Allergic asthma	FOXK2	cg14587273	rs71376548	T	C	-0.454	0.053	0.051	8.41E-18	-0.067	0.047	0.152	0.020	73.815	TRUE	7.92E-17
Allergic asthma	FOXK2	cg14674306	rs12950772	G	A	0.319	0.026	0.269	2.92E-34	-0.014	0.015	0.380	0.039	148.883	TRUE	8.20E-33
Allergic asthma	FOXK2	cg14674306	rs201699120	A	T	-0.187	0.030	0.204	3.47E-10	0.013	0.015	0.384	0.011	39.369	TRUE	9.64E-10
Allergic asthma	FOXK2	cg15292356	rs111946258	G	A	0.269	0.030	0.196	1.09E-19	0.002	0.016	0.902	0.022	82.402	TRUE	3.11E-19
Allergic asthma	FOXK2	cg15292356	rs11651812	A	G	-0.675	0.023	0.338	1.93E-181	0.031	0.015	0.039	0.182	824.607	TRUE	4.23E-164
Allergic asthma	FOXK2	cg15292356	rs117959151	G	A	-0.878	0.129	0.018	1.17E-11	0.016	0.057	0.783	0.012	45.997	TRUE	2.28E-11
Allergic asthma	FOXK2	cg15292356	rs118100209	A	G	-0.414	0.061	0.044	1.46E-11	-0.028	0.029	0.324	0.012	45.559	TRUE	5.00E-11
Allergic asthma	FOXK2	cg15292356	rs2279394	A	G	-0.276	0.026	0.275	1.61E-26	-0.001	0.014	0.931	0.030	113.515	TRUE	7.42E-26
Allergic asthma	FOXK2	cg15292356	rs3752822	G	C	0.297	0.030	0.178	1.34E-22	-0.024	0.019	0.198	0.025	95.641	TRUE	1.80E-21
Allergic asthma	FOXK2	cg15292356	rs62079722	A	C	-0.209	0.030	0.188	7.28E-12	0.036	0.021	0.084	0.013	46.925	TRUE	4.64E-11
Allergic asthma	FOXK2	cg15292356	rs630945	G	A	0.219	0.024	0.449	4.03E-20	-0.032	0.014	0.021	0.022	84.360	TRUE	1.24E-18
Allergic asthma	FOXK2	cg15292356	rs79989195	T	C	-0.355	0.058	0.036	7.08E-10	0.034	0.039	0.384	0.010	37.979	TRUE	1.91E-09
Allergic asthma	FOXK2	cg15292356	rs8082615	G	C	0.239	0.029	0.192	4.43E-16	-0.014	0.016	0.365	0.018	66.001	TRUE	2.11E-15
Allergic asthma	FOXK2	cg15292356	rs9890099	T	G	-0.185	0.028	0.235	6.92E-11	-0.003	0.015	0.855	0.011	42.517	TRUE	1.20E-10
Allergic asthma	FOXK2	cg15349696	rs72852022	T	C	-0.291	0.029	0.203	5.09E-23	0.014	0.015	0.355	0.026	97.558	TRUE	4.71E-22
Allergic asthma	FOXK2	cg15349696	rs78165269	C	G	0.175	0.025	0.304	5.37E-12	0.016	0.016	0.293	0.013	47.520	TRUE	2.02E-11
Allergic asthma	FOXK2	cg16375265	rs11650031	T	C	-0.199	0.036	0.109	2.94E-08	-0.042	0.019	0.027	0.008	30.728	TRUE	1.66E-07
Allergic asthma	FOXK2	cg16375265	rs117252262	T	C	-0.545	0.087	0.020	3.36E-10	-0.091	0.047	0.056	0.011	39.432	TRUE	2.00E-09
Allergic asthma	FOXK2	cg16375265	rs12936476	T	C	-0.143	0.024	0.476	1.45E-09	-0.006	0.014	0.676	0.010	36.580	TRUE	2.76E-09
Allergic asthma	FOXK2	cg16375265	rs12948621	C	A	-0.223	0.024	0.379	1.73E-20	-0.016	0.014	0.235	0.023	86.027	TRUE	1.67E-19
Allergic asthma	FOXK2	cg16375265	rs186634489	A	G	-0.262	0.030	0.182	1.19E-18	0.019	0.017	0.249	0.021	77.674	TRUE	9.22E-18
Allergic asthma	FOXK2	cg16375265	rs2279393	G	A	0.240	0.033	0.155	2.50E-13	0.035	0.020	0.089	0.014	53.534	TRUE	1.85E-12
Allergic asthma	FOXK2	cg16375265	rs2635417	A	C	-0.176	0.023	0.498	6.52E-14	-0.019	0.014	0.165	0.015	56.177	TRUE	3.92E-13
Allergic asthma	FOXK2	cg16375265	rs3794713	C	T	-0.606	0.030	0.165	4.92E-89	-0.018	0.016	0.243	0.098	400.006	TRUE	1.21E-83
Allergic asthma	FOXK2	cg16375265	rs60966564	A	G	0.305	0.029	0.212	1.25E-25	-0.021	0.018	0.260	0.029	109.460	TRUE	1.91E-24
Allergic asthma	FOXK2	cg16375265	rs72851958	C	A	-0.154	0.027	0.242	1.45E-08	-0.029	0.017	0.095	0.009	32.102	TRUE	5.97E-08
Allergic asthma	FOXK2	cg16375265	rs77256703	G	A	-0.556	0.023	0.441	1.66E-133	-0.005	0.014	0.727	0.140	604.292	TRUE	1.24E-124
Allergic asthma	FOXK2	cg16375265	rs9891087	A	G	0.286	0.049	0.061	6.36E-09	0.078	0.034	0.023	0.009	33.704	TRUE	4.10E-08
Allergic asthma	FOXK2	cg16755922	rs72859192	C	T	-0.321	0.023	0.471	1.29E-43	-0.010	0.014	0.449	0.049	191.694	TRUE	9.03E-42
Allergic asthma	FOXK2	cg16755922	rs80014614	A	G	0.449	0.050	0.060	2.49E-19	-0.004	0.030	0.903	0.021	80.761	TRUE	6.95E-19
Allergic asthma	FOXK2	cg16755922	rs878823	T	C	0.512	0.028	0.211	5.72E-73	-0.007	0.016	0.652	0.081	326.268	TRUE	1.55E-69
Allergic asthma	FOXK2	cg16755922	rs9911520	T	C	0.393	0.071	0.063	3.62E-08	-0.042	0.027	0.122	0.008	30.326	TRUE	1.32E-07
Allergic asthma	FOXK2	cg18128058	rs142226247	A	G	0.369	0.057	0.046	1.23E-10	-0.028	0.029	0.322	0.011	41.391	TRUE	3.89E-10
Allergic asthma	FOXK2	cg18128058	rs4789807	T	C	-0.322	0.030	0.200	2.00E-27	0.015	0.016	0.319	0.031	117.657	TRUE	3.14E-26
Allergic asthma	FOXK2	cg18128058	rs78165269	C	G	0.216	0.025	0.304	1.79E-17	0.016	0.016	0.293	0.019	72.322	TRUE	1.12E-16
Allergic asthma	FOXK2	cg20173014	rs12452440	T	C	0.261	0.023	0.430	8.92E-29	0.010	0.014	0.445	0.032	123.820	TRUE	1.20E-27
Allergic asthma	FOXK2	cg20710824	rs11869798	C	A	-0.215	0.026	0.281	1.23E-16	0.006	0.014	0.685	0.018	68.522	TRUE	3.79E-16
Allergic asthma	FOXK2	cg20710824	rs180743348	T	C	-0.167	0.029	0.182	1.45E-08	0.019	0.016	0.241	0.009	32.101	TRUE	4.30E-08
Allergic asthma	FOXK2	cg20710824	rs8074559	G	A	0.297	0.048	0.150	8.48E-10	0.004	0.018	0.818	0.010	37.626	TRUE	1.43E-09
Allergic asthma	FOXK2	cg20710824	rs9788998	G	A	0.290	0.023	0.463	2.69E-36	-0.020	0.013	0.137	0.041	158.193	TRUE	2.32E-34
Allergic asthma	FOXK2	cg21093005	rs113987209	T	C	0.339	0.038	0.286	2.32E-19	0.009	0.014	0.539	0.021	80.898	TRUE	1.10E-18

Allergic asthma	FOXK2	cg21093005	rs4789803	T	C	-0.284	0.046	0.181	5.78E-10	0.009	0.018	0.602	0.010	38.373	TRUE	1.22E-09
Allergic asthma	FOXK2	cg21093005	rs56075787	T	C	-0.172	0.028	0.235	7.48E-10	0.005	0.017	0.780	0.010	37.872	TRUE	1.31E-09
Allergic asthma	FOXK2	cg21909206	rs3794713	C	T	-0.198	0.030	0.165	8.59E-11	-0.018	0.016	0.243	0.011	42.095	TRUE	3.15E-10
Allergic asthma	FOXK2	cg22582875	rs8076310	T	C	-0.267	0.029	0.209	3.12E-20	0.013	0.016	0.422	0.022	84.866	TRUE	1.94E-19
Allergic asthma	FOXK2	cg23628350	rs118027829	T	C	0.481	0.066	0.037	2.14E-13	-0.007	0.051	0.883	0.014	53.847	TRUE	4.15E-13
Allergic asthma	FOXK2	cg23628350	rs144288267	C	T	-0.341	0.053	0.046	9.81E-11	0.044	0.035	0.218	0.011	41.837	TRUE	3.76E-10
Allergic asthma	FOXK2	cg23628350	rs186634489	A	G	-0.181	0.030	0.182	1.19E-09	0.019	0.017	0.249	0.010	36.967	TRUE	3.86E-09
Allergic asthma	FOXK2	cg23628350	rs2085615	C	G	0.199	0.025	0.363	6.32E-16	-0.020	0.014	0.153	0.017	65.299	TRUE	4.86E-15
Allergic asthma	FOXK2	cg23628350	rs2246563	T	C	0.164	0.024	0.412	6.53E-12	-0.013	0.014	0.367	0.013	47.137	TRUE	2.15E-11
Allergic asthma	FOXK2	cg23628350	rs60966564	A	G	0.975	0.025	0.212	<1E-200	-0.021	0.018	0.260	0.289	1500.648	TRUE	1.51E-285
Allergic asthma	FOXK2	cg23628350	rs62079673	T	C	0.556	0.023	0.417	9.03E-128	-0.031	0.014	0.021	0.135	577.933	TRUE	3.43E-117
Allergic asthma	FOXK2	cg23628350	rs66693031	A	G	0.546	0.055	0.049	1.40E-23	0.014	0.041	0.727	0.026	100.120	TRUE	6.94E-23
Allergic asthma	FOXK2	cg23628350	rs744991	G	C	-0.350	0.025	0.289	6.32E-43	0.000	0.014	0.979	0.048	188.533	TRUE	1.26E-41
Allergic asthma	FOXK2	cg23628350	rs74705920	A	G	0.527	0.053	0.050	2.51E-23	-0.007	0.040	0.862	0.026	98.956	TRUE	9.96E-23
Allergic asthma	FOXK2	cg23628350	rs77256703	G	A	-0.259	0.023	0.441	1.90E-28	-0.005	0.014	0.727	0.032	122.325	TRUE	1.44E-27
Allergic asthma	FOXK2	cg23628350	rs9303032	G	A	0.137	0.024	0.440	6.93E-09	-0.009	0.014	0.514	0.009	33.537	TRUE	1.48E-08
Allergic asthma	FOXK2	cg23628350	rs9893830	T	A	0.487	0.044	0.215	4.61E-29	-0.027	0.017	0.104	0.033	125.127	TRUE	1.96E-27
Allergic asthma	FOXK2	cg23674202	rs113987209	T	C	0.318	0.038	0.286	3.11E-17	0.009	0.014	0.539	0.019	71.235	TRUE	1.23E-16
Allergic asthma	FOXK2	cg23674202	rs118072068	T	A	0.479	0.087	0.022	3.67E-08	0.069	0.074	0.351	0.008	30.299	TRUE	8.93E-08
Allergic asthma	FOXK2	cg23674202	rs142507840	G	C	0.401	0.048	0.062	1.22E-16	-0.008	0.035	0.815	0.018	68.540	TRUE	3.17E-16
Allergic asthma	FOXK2	cg23674202	rs35083592	A	G	0.157	0.026	0.279	2.33E-09	0.015	0.015	0.340	0.010	35.661	TRUE	6.38E-09
Allergic asthma	FOXK2	cg23674202	rs4789803	T	C	-0.421	0.045	0.181	2.24E-20	0.009	0.018	0.602	0.023	85.519	TRUE	1.04E-19
Allergic asthma	FOXK2	cg23674202	rs8067257	A	G	-0.192	0.030	0.205	8.03E-11	0.015	0.016	0.356	0.011	42.228	TRUE	2.45E-10
Allergic asthma	FOXK2	cg23765707	rs12600791	G	T	-0.315	0.051	0.055	4.56E-10	-0.024	0.035	0.491	0.010	38.835	TRUE	1.10E-09
Allergic asthma	FOXK2	cg23765707	rs144288267	C	T	-0.303	0.053	0.046	9.25E-09	0.044	0.035	0.218	0.009	32.974	TRUE	2.91E-08
Allergic asthma	FOXK2	cg23765707	rs149143300	T	C	-0.509	0.089	0.017	1.14E-08	-0.023	0.043	0.600	0.009	32.576	TRUE	2.19E-08
Allergic asthma	FOXK2	cg23765707	rs7220002	C	A	0.347	0.032	0.166	3.16E-28	-0.025	0.019	0.192	0.032	121.312	TRUE	8.02E-27
Allergic asthma	FOXK2	cg24220178	rs113987209	T	C	0.484	0.037	0.286	8.75E-39	0.009	0.014	0.539	0.044	169.576	TRUE	2.77E-37
Allergic asthma	FOXK2	cg24220178	rs4789803	T	C	-0.461	0.045	0.181	3.01E-24	0.009	0.018	0.602	0.027	103.157	TRUE	1.95E-23
Allergic asthma	FOXK2	cg24220178	rs56075787	T	C	-0.181	0.028	0.235	9.00E-11	0.005	0.017	0.780	0.011	42.005	TRUE	1.66E-10
Allergic asthma	FOXK2	cg24537348	rs9271	A	G	-0.268	0.029	0.209	3.00E-20	0.014	0.016	0.367	0.022	84.946	TRUE	2.08E-19
Allergic asthma	FOXK2	cg24770256	rs3736207	C	T	-0.244	0.039	0.102	3.94E-10	0.004	0.020	0.823	0.010	39.123	TRUE	6.72E-10
Allergic asthma	FOXK2	cg24793584	rs78165269	C	G	-0.153	0.025	0.304	8.92E-10	0.016	0.016	0.293	0.010	37.528	TRUE	2.73E-09
Allergic asthma	FOXK2	cg25009498	rs118027829	T	C	0.519	0.066	0.037	2.37E-15	-0.007	0.051	0.883	0.017	62.697	TRUE	5.20E-15
Allergic asthma	FOXK2	cg25009498	rs144288267	C	T	-0.359	0.053	0.046	1.02E-11	0.044	0.035	0.218	0.012	46.263	TRUE	4.31E-11
Allergic asthma	FOXK2	cg25009498	rs1870370	G	C	0.218	0.033	0.163	3.50E-11	-0.019	0.018	0.277	0.012	43.849	TRUE	1.25E-10
Allergic asthma	FOXK2	cg25009498	rs2451198	G	A	0.302	0.028	0.244	9.86E-28	-0.011	0.017	0.492	0.031	119.055	TRUE	1.08E-26
Allergic asthma	FOXK2	cg25009498	rs60966564	A	G	1.001	0.025	0.212	<1E-200	-0.021	0.018	0.260	0.304	1619.313	TRUE	1.60E-305
Allergic asthma	FOXK2	cg25009498	rs62079673	T	C	0.598	0.023	0.417	2.79E-149	-0.031	0.014	0.021	0.155	676.780	TRUE	4.66E-136
Allergic asthma	FOXK2	cg25009498	rs72853019	A	G	1.036	0.104	0.027	1.81E-23	0.031	0.044	0.476	0.026	99.603	TRUE	1.37E-22
Allergic asthma	FOXK2	cg25009498	rs744991	G	C	-0.370	0.025	0.289	5.86E-48	0.000	0.014	0.979	0.054	211.582	TRUE	2.06E-46
Allergic asthma	FOXK2	cg25009498	rs74705920	A	G	0.530	0.053	0.050	1.64E-23	-0.007	0.040	0.862	0.026	99.799	TRUE	6.60E-23

Allergic asthma	FOXK2	cg25009498	rs77256703	G	A	-0.229	0.023	0.441	1.45E-22	-0.005	0.014	0.727	0.025	95.481	TRUE	6.66E-22
Allergic asthma	FOXK2	cg25009498	rs78483419	C	T	-0.188	0.031	0.179	1.26E-09	0.000	0.017	0.977	0.010	36.860	TRUE	1.81E-09
Allergic asthma	FOXK2	cg25009498	rs9893830	T	A	0.480	0.044	0.215	2.89E-28	-0.027	0.017	0.104	0.032	121.487	TRUE	1.12E-26
Allergic asthma	FOXK2	cg26176014	rs140737552	T	C	0.191	0.027	0.246	2.55E-12	-0.002	0.017	0.922	0.013	48.983	TRUE	4.46E-12
Allergic asthma	FOXK2	cg26986438	rs9914081	T	C	0.267	0.038	0.280	2.49E-12	0.009	0.014	0.541	0.013	49.026	TRUE	6.69E-12
Allergic asthma	FOXK2	cg27450688	rs3794713	C	T	-0.197	0.030	0.165	9.48E-11	-0.018	0.016	0.243	0.011	41.904	TRUE	3.46E-10
Allergic asthma	FOXO1	cg07109046	rs117029811	T	C	0.636	0.090	0.017	1.29E-12	0.005	0.056	0.927	0.013	50.315	TRUE	2.29E-12
Allergic asthma	FOXO1	cg07109046	rs117752462	C	T	-0.817	0.121	0.011	1.57E-11	-0.036	0.035	0.298	0.012	45.415	TRUE	5.61E-11
Allergic asthma	FOXO1	cg07109046	rs2701880	C	A	0.993	0.044	0.072	5.72E-111	-0.024	0.039	0.540	0.119	500.742	TRUE	3.82E-104
Allergic asthma	FOXO1	cg07109046	rs2755237	C	A	0.292	0.033	0.151	4.54E-19	-0.020	0.022	0.356	0.021	79.578	TRUE	2.88E-18
Allergic asthma	FOXO1	cg07109046	rs73176962	G	A	0.811	0.147	0.016	3.72E-08	-0.039	0.122	0.746	0.008	30.272	TRUE	6.07E-08
Allergic asthma	FOXO1	cg07109046	rs76949687	T	C	-0.586	0.081	0.017	3.83E-13	0.137	0.044	0.002	0.014	52.698	TRUE	9.28E-12
Allergic asthma	FOXO1	cg07109046	rs79692440	A	G	-0.862	0.086	0.018	1.45E-23	-0.030	0.038	0.426	0.026	100.041	TRUE	1.22E-22
Allergic asthma	FOXO1	cg07109046	rs9532604	T	C	0.168	0.025	0.346	1.13E-11	-0.010	0.015	0.493	0.012	46.064	TRUE	3.07E-11
Allergic asthma	FOXO1	cg07109046	rs9549260	A	C	-0.709	0.028	0.193	2.55E-145	0.028	0.015	0.056	0.151	658.573	TRUE	4.15E-133
Allergic asthma	FOXO1	cg07109046	rs9577150	A	T	0.495	0.073	0.030	1.62E-11	-0.002	0.025	0.935	0.012	45.362	TRUE	2.67E-11
Allergic asthma	FOXO1	cg07109046	rs9594422	T	C	-0.200	0.031	0.164	1.95E-10	0.014	0.018	0.411	0.011	40.493	TRUE	5.33E-10
Allergic asthma	FOXO1	cg09792463	rs2253001	T	A	-0.373	0.025	0.285	1.04E-48	0.034	0.014	0.014	0.055	215.027	TRUE	2.44E-45
Allergic asthma	FOXO1	cg09792463	rs57788165	T	C	-0.245	0.043	0.086	8.81E-09	-0.002	0.031	0.946	0.009	33.070	TRUE	1.25E-08
Allergic asthma	FOXO1	cg09792463	rs7323436	G	A	0.139	0.025	0.317	3.18E-08	-0.021	0.016	0.180	0.008	30.579	TRUE	1.02E-07
Allergic asthma	FOXO1	cg10696351	rs117752462	C	T	-0.675	0.121	0.011	2.65E-08	-0.036	0.035	0.298	0.008	30.932	TRUE	7.01E-08
Allergic asthma	FOXO1	cg10696351	rs2875409	A	G	-0.432	0.054	0.053	1.19E-15	0.009	0.036	0.806	0.017	64.055	TRUE	2.92E-15
Allergic asthma	FOXO1	cg10696351	rs55805387	T	C	-0.350	0.042	0.087	1.39E-16	-0.001	0.031	0.987	0.018	68.290	TRUE	2.90E-16
Allergic asthma	FOXO1	cg10696351	rs58104999	T	C	-0.195	0.032	0.163	1.10E-09	0.014	0.016	0.370	0.010	37.113	TRUE	2.99E-09
Allergic asthma	FOXO1	cg10696351	rs7323436	G	A	0.227	0.025	0.317	1.18E-19	-0.021	0.016	0.180	0.022	82.239	TRUE	1.23E-18
Allergic asthma	FOXO1	cg10696351	rs7328677	G	A	-0.670	0.023	0.283	2.35E-184	0.035	0.014	0.012	0.185	838.005	TRUE	6.03E-166
Allergic asthma	FOXO1	cg10696351	rs76949687	T	C	-0.501	0.081	0.017	5.65E-10	0.137	0.044	0.002	0.010	38.419	TRUE	7.92E-09
Allergic asthma	FOXO1	cg10696351	rs9532727	C	T	0.174	0.024	0.400	7.98E-13	0.012	0.014	0.401	0.014	51.259	TRUE	2.70E-12
Allergic asthma	FOXO1	cg11244402	rs4325427	T	C	-0.370	0.026	0.265	9.56E-46	0.036	0.014	0.011	0.052	201.447	TRUE	1.64E-42
Allergic asthma	FOXO1	cg14168545	rs9577090	T	G	0.226	0.025	0.279	5.30E-19	0.035	0.014	0.012	0.021	79.272	TRUE	1.72E-17
Allergic asthma	FOXO1	cg21288729	rs117752462	C	T	0.764	0.121	0.011	3.06E-10	-0.036	0.035	0.298	0.011	39.612	TRUE	9.69E-10
Allergic asthma	FOXO1	cg21288729	rs17592468	A	G	0.679	0.071	0.023	6.65E-22	0.000	0.024	0.997	0.024	92.473	TRUE	1.95E-21
Allergic asthma	FOXO1	cg21288729	rs2875409	A	G	0.492	0.054	0.053	5.11E-20	0.009	0.036	0.806	0.022	83.891	TRUE	1.71E-19
Allergic asthma	FOXO1	cg21288729	rs3783164	C	T	-0.346	0.025	0.308	8.35E-44	-0.020	0.016	0.216	0.049	192.556	TRUE	1.30E-41
Allergic asthma	FOXO1	cg21288729	rs55805387	T	C	0.482	0.042	0.087	2.86E-30	-0.001	0.031	0.987	0.034	130.640	TRUE	1.64E-29
Allergic asthma	FOXO1	cg21288729	rs58104999	T	C	0.244	0.032	0.163	1.51E-14	0.014	0.016	0.370	0.016	59.055	TRUE	6.22E-14
Allergic asthma	FOXO1	cg21288729	rs73173159	A	C	0.440	0.076	0.021	6.66E-09	-0.039	0.070	0.575	0.009	33.615	TRUE	1.34E-08
Allergic asthma	FOXO1	cg21288729	rs76949687	T	C	0.607	0.080	0.017	3.95E-14	0.137	0.044	0.002	0.015	57.160	TRUE	1.13E-12
Allergic asthma	FOXO1	cg21288729	rs7989711	T	C	0.794	0.024	0.281	2.46E-241	0.035	0.014	0.012	0.229	1099.990	TRUE	1.71E-213
Allergic asthma	FOXO1	cg21288729	rs9532719	A	G	0.556	0.079	0.060	1.87E-12	-0.020	0.026	0.444	0.013	49.585	TRUE	5.78E-12
Allergic asthma	FOXO1	cg23413567	rs9549243	A	G	-0.282	0.029	0.187	8.75E-23	0.047	0.016	0.003	0.025	96.486	TRUE	8.13E-21
Allergic asthma	FYCO1	cg06585734	rs12629747	A	G	0.722	0.088	0.018	2.46E-16	0.031	0.072	0.664	0.018	67.157	TRUE	7.61E-16

Allergic asthma	FYCO1	cg11211486	rs1024626	G	A	0.457	0.068	0.059	2.47E-11	0.023	0.027	0.389	0.012	44.530	TRUE	7.52E-11
Allergic asthma	FYCO1	cg11211486	rs114412652	C	T	0.493	0.060	0.039	2.56E-16	0.031	0.041	0.452	0.018	67.081	TRUE	1.07E-15
Allergic asthma	FYCO1	cg11211486	rs11574442	G	A	0.276	0.043	0.083	9.15E-11	-0.015	0.019	0.446	0.011	41.972	TRUE	2.45E-10
Allergic asthma	FYCO1	cg11211486	rs1491961	T	C	0.375	0.026	0.276	1.05E-47	0.001	0.016	0.923	0.054	210.413	TRUE	4.05E-46
Allergic asthma	FYCO1	cg11211486	rs1546079	C	T	0.267	0.023	0.487	3.09E-30	0.021	0.014	0.116	0.034	130.488	TRUE	1.41E-28
Allergic asthma	FYCO1	cg11211486	rs2133660	C	T	0.594	0.024	0.354	3.20E-140	0.034	0.014	0.016	0.147	635.144	TRUE	4.94E-128
Allergic asthma	FYCO1	cg11211486	rs2291471	C	T	-0.285	0.039	0.098	3.85E-13	0.014	0.025	0.591	0.014	52.688	TRUE	1.03E-12
Allergic asthma	FYCO1	cg11211486	rs2856757	C	A	-0.177	0.024	0.395	2.72E-13	0.010	0.015	0.478	0.014	53.375	TRUE	8.54E-13
Allergic asthma	FYCO1	cg11211486	rs71325099	T	G	-0.259	0.033	0.144	1.09E-14	0.002	0.017	0.905	0.016	59.691	TRUE	2.24E-14
Allergic asthma	FYCO1	cg11211486	rs75998249	G	C	0.495	0.081	0.021	7.67E-10	0.052	0.063	0.413	0.010	37.821	TRUE	1.99E-09
Allergic asthma	FYCO1	cg15068835	rs12330360	T	C	-1.841	0.084	0.019	1.12E-106	0.031	0.072	0.664	0.115	481.036	TRUE	1.83E-100
Allergic asthma	FYCO1	cg15068835	rs62245098	A	G	-0.252	0.031	0.168	1.58E-16	0.026	0.019	0.163	0.018	68.028	TRUE	1.26E-15
Allergic asthma	FYCO1	cg16042668	rs112620310	A	G	1.749	0.086	0.018	3.23E-92	0.033	0.072	0.644	0.101	414.623	TRUE	2.87E-87
Allergic asthma	FYCO1	cg16042668	rs1392288	T	C	0.160	0.027	0.251	3.67E-09	0.047	0.017	0.004	0.009	34.772	TRUE	3.61E-08
Allergic asthma	FYCO1	cg16042668	rs57135508	G	T	0.199	0.029	0.200	9.11E-12	0.000	0.018	0.979	0.012	46.485	TRUE	1.46E-11
Allergic asthma	FYCO1	cg16320329	rs11130078	T	C	0.277	0.024	0.389	1.18E-30	0.023	0.014	0.101	0.035	132.398	TRUE	6.21E-29
Allergic asthma	FYCO1	cg16320329	rs114412652	C	T	0.331	0.060	0.039	3.77E-08	0.031	0.041	0.452	0.008	30.249	TRUE	8.14E-08
Allergic asthma	FYCO1	cg16320329	rs2234358	G	T	-0.608	0.022	0.500	6.42E-164	-0.015	0.014	0.268	0.167	744.059	TRUE	2.37E-150
Allergic asthma	FYCO1	cg16320329	rs4317138	C	T	0.224	0.025	0.336	9.73E-20	-0.012	0.014	0.398	0.022	82.618	TRUE	6.06E-19
Allergic asthma	FYCO1	cg16320329	rs62242789	T	C	0.342	0.039	0.096	3.59E-18	0.011	0.025	0.655	0.020	75.492	TRUE	1.29E-17
Allergic asthma	FYCO1	cg16320329	rs6781384	A	C	0.412	0.064	0.037	1.09E-10	-0.101	0.038	0.008	0.011	41.637	TRUE	1.21E-09
Allergic asthma	FYCO1	cg16320329	rs73830715	G	A	-0.299	0.034	0.142	2.54E-18	-0.013	0.017	0.452	0.020	76.180	TRUE	1.26E-17
Allergic asthma	FYCO1	cg16320329	rs75507082	G	C	-0.247	0.031	0.176	3.48E-15	-0.011	0.017	0.515	0.016	61.942	TRUE	1.21E-14
Allergic asthma	FYCO1	cg16320329	rs758390	T	C	0.337	0.043	0.078	2.79E-15	0.033	0.025	0.186	0.017	62.378	TRUE	1.82E-14
Allergic asthma	FYCO1	cg16320329	rs77132719	A	T	0.249	0.041	0.094	9.53E-10	-0.019	0.023	0.410	0.010	37.398	TRUE	2.46E-09
Allergic asthma	FYCO1	cg16320329	rs867620	C	T	0.132	0.023	0.478	2.03E-08	0.007	0.014	0.604	0.008	31.444	TRUE	3.84E-08
Allergic asthma	FYCO1	cg16992008	rs1488373	C	T	0.263	0.026	0.251	1.48E-23	0.028	0.016	0.093	0.026	99.998	TRUE	3.49E-22
Allergic asthma	FYCO1	cg16992008	rs62245105	A	G	0.589	0.101	0.035	6.45E-09	-0.001	0.033	0.983	0.009	33.675	TRUE	8.92E-09
Allergic asthma	FYCO1	cg16992008	rs9813750	A	G	0.285	0.048	0.119	2.90E-09	0.034	0.022	0.123	0.009	35.233	TRUE	1.19E-08
Allergic asthma	FYCO1	cg18004856	rs116840587	A	C	-0.682	0.101	0.014	1.49E-11	-0.001	0.055	0.990	0.012	45.525	TRUE	2.33E-11
Allergic asthma	FYCO1	cg18004856	rs138480141	G	A	-0.770	0.082	0.017	9.09E-21	0.007	0.050	0.882	0.023	87.304	TRUE	2.89E-20
Allergic asthma	FYCO1	cg18004856	rs145353654	G	A	0.505	0.068	0.032	1.05E-13	-0.009	0.026	0.722	0.015	55.233	TRUE	2.51E-13
Allergic asthma	FYCO1	cg18004856	rs148870990	T	C	-0.685	0.121	0.020	1.64E-08	0.133	0.056	0.019	0.009	31.864	TRUE	1.05E-07
Allergic asthma	FYCO1	cg18004856	rs151324211	A	C	0.599	0.086	0.020	3.43E-12	0.015	0.042	0.719	0.013	48.400	TRUE	7.40E-12
Allergic asthma	FYCO1	cg18004856	rs2213290	T	C	0.153	0.024	0.408	1.79E-10	0.006	0.014	0.657	0.011	40.661	TRUE	3.69E-10
Allergic asthma	FYCO1	cg18004856	rs2742412	C	T	-0.168	0.030	0.183	1.19E-08	0.029	0.018	0.111	0.009	32.478	TRUE	4.73E-08
Allergic asthma	FYCO1	cg18004856	rs34390431	G	A	-0.312	0.024	0.342	4.93E-38	-0.002	0.014	0.867	0.043	166.138	TRUE	7.31E-37
Allergic asthma	FYCO1	cg18004856	rs3774641	T	G	0.295	0.031	0.181	5.88E-22	0.007	0.016	0.672	0.024	92.717	TRUE	2.79E-21
Allergic asthma	FYCO1	cg18004856	rs4413345	C	T	0.210	0.027	0.255	1.01E-14	-0.013	0.014	0.360	0.016	59.838	TRUE	4.31E-14
Allergic asthma	FYCO1	cg18004856	rs4683189	A	G	-0.221	0.023	0.472	5.56E-21	-0.021	0.014	0.122	0.023	88.276	TRUE	8.35E-20
Allergic asthma	FYCO1	cg18004856	rs59226168	T	C	0.576	0.027	0.230	1.16E-100	-0.005	0.017	0.749	0.109	453.409	TRUE	3.99E-95
Allergic asthma	FYCO1	cg18004856	rs62245105	A	G	-0.957	0.100	0.035	1.61E-21	-0.001	0.033	0.983	0.024	90.721	TRUE	4.70E-21

Allergic asthma	FYCO1	cg18004856	rs62247795	C	T	0.184	0.027	0.247	1.84E-11	-0.012	0.017	0.499	0.012	45.114	TRUE	4.87E-11
Allergic asthma	FYCO1	cg18004856	rs71325099	T	G	0.268	0.033	0.144	1.13E-15	0.002	0.017	0.905	0.017	64.148	TRUE	2.48E-15
Allergic asthma	FYCO1	cg18004856	rs73830757	T	A	0.283	0.047	0.066	1.53E-09	-0.020	0.029	0.490	0.010	36.474	TRUE	3.53E-09
Allergic asthma	FYCO1	cg18004856	rs75998249	G	C	-0.871	0.080	0.021	1.26E-27	0.052	0.063	0.413	0.031	118.573	TRUE	1.61E-26
Allergic asthma	FYCO1	cg18004856	rs7649184	A	G	-0.207	0.025	0.336	4.44E-17	0.004	0.015	0.777	0.019	70.531	TRUE	1.25E-16
Allergic asthma	FYCO1	cg18004856	rs79091774	C	A	0.478	0.074	0.028	9.37E-11	-0.042	0.061	0.491	0.011	41.927	TRUE	2.37E-10
Allergic asthma	FYCO1	cg18004856	rs80266470	A	G	0.420	0.076	0.022	3.13E-08	-0.119	0.134	0.375	0.008	30.609	TRUE	7.44E-08
Allergic asthma	FYCO1	cg18004856	rs9682509	C	G	0.208	0.027	0.249	3.27E-14	-0.023	0.015	0.116	0.015	57.534	TRUE	2.38E-13
Allergic asthma	FYCO1	cg18004856	rs9810934	A	G	-0.918	0.024	0.247	<1E-200	0.027	0.016	0.104	0.284	1465.504	TRUE	1.19E-278
Allergic asthma	FYCO1	cg18004856	rs9813750	A	G	-0.360	0.049	0.119	2.53E-13	0.034	0.022	0.123	0.014	53.515	TRUE	1.63E-12
Allergic asthma	FYCO1	cg24919972	rs112620310	A	G	0.975	0.087	0.018	6.57E-29	0.033	0.072	0.644	0.033	124.426	TRUE	6.03E-28
Allergic asthma	FYN	cg02755956	rs9487724	G	C	0.261	0.043	0.100	1.36E-09	0.066	0.031	0.034	0.010	36.710	TRUE	8.71E-09
Allergic asthma	FYN	cg02816367	rs2012071	A	G	0.184	0.025	0.472	3.55E-13	0.008	0.014	0.576	0.014	52.851	TRUE	9.72E-13
Allergic asthma	FYN	cg04657000	rs1887315	G	C	0.342	0.038	0.138	9.54E-20	0.054	0.024	0.025	0.022	82.658	TRUE	2.61E-18
Allergic asthma	FYN	cg05517541	rs10457239	A	G	-0.211	0.034	0.154	8.33E-10	0.003	0.019	0.894	0.010	37.660	TRUE	1.31E-09
Allergic asthma	FYN	cg05517541	rs137922443	G	A	0.597	0.100	0.017	2.59E-09	0.016	0.043	0.705	0.009	35.451	TRUE	4.71E-09
Allergic asthma	FYN	cg05517541	rs17073074	T	C	0.514	0.046	0.085	8.69E-29	0.053	0.026	0.045	0.032	123.872	TRUE	5.79E-27
Allergic asthma	FYN	cg05517541	rs17704348	C	T	-0.254	0.037	0.131	3.83E-12	-0.009	0.020	0.659	0.013	48.184	TRUE	8.82E-12
Allergic asthma	FYN	cg05517541	rs536341	A	G	0.428	0.066	0.042	1.02E-10	0.019	0.029	0.503	0.011	41.769	TRUE	2.53E-10
Allergic asthma	FYN	cg05517541	rs580900	C	T	0.822	0.060	0.049	4.49E-43	0.085	0.035	0.015	0.049	189.210	TRUE	4.15E-40
Allergic asthma	FYN	cg05517541	rs6932319	A	G	-0.330	0.036	0.146	2.12E-20	-0.005	0.024	0.836	0.023	85.628	TRUE	7.01E-20
Allergic asthma	FYN	cg05517541	rs927010	C	G	-0.209	0.029	0.244	9.41E-13	-0.010	0.014	0.484	0.014	50.937	TRUE	2.81E-12
Allergic asthma	FYN	cg05517541	rs9400505	C	T	1.229	0.030	0.148	<1E-200	0.059	0.024	0.012	0.313	1683.281	TRUE	<1E-200
Allergic asthma	FYN	cg05517541	rs9481206	T	A	0.288	0.040	0.116	3.23E-13	0.010	0.025	0.695	0.014	53.036	TRUE	7.68E-13
Allergic asthma	FYN	cg07725064	rs17072993	T	C	0.241	0.036	0.152	2.57E-11	0.067	0.025	0.007	0.012	44.455	TRUE	3.27E-10
Allergic asthma	FYN	cg07725064	rs4544951	G	A	-0.173	0.027	0.343	1.11E-10	0.007	0.015	0.655	0.011	41.602	TRUE	2.31E-10
Allergic asthma	FYN	cg07725064	rs4947131	A	G	-0.214	0.029	0.244	3.41E-13	0.021	0.017	0.220	0.014	52.928	TRUE	1.66E-12
Allergic asthma	FYN	cg07725064	rs9387018	T	C	-0.193	0.028	0.279	5.59E-12	-0.019	0.014	0.191	0.013	47.443	TRUE	2.57E-11
Allergic asthma	FYN	cg07725064	rs9487589	C	T	-0.203	0.028	0.280	7.46E-13	0.029	0.014	0.038	0.014	51.391	TRUE	7.12E-12
Allergic asthma	FYN	cg07725064	rs9487730	T	A	-0.984	0.052	0.054	4.35E-81	0.000	0.037	0.992	0.089	363.527	TRUE	1.79E-77
Allergic asthma	FYN	cg08061598	rs9374281	T	G	0.468	0.079	0.028	2.91E-09	0.070	0.114	0.540	0.009	35.226	TRUE	6.22E-09
Allergic asthma	FYN	cg08270099	rs1321169	A	T	0.153	0.027	0.375	8.95E-09	-0.008	0.014	0.582	0.009	33.040	TRUE	1.77E-08
Allergic asthma	FYN	cg08376209	rs62413686	T	G	1.033	0.116	0.011	5.79E-19	0.239	0.093	0.010	0.021	79.097	TRUE	1.97E-17
Allergic asthma	FYN	cg08376209	rs697642	A	G	0.280	0.045	0.088	4.62E-10	0.047	0.030	0.112	0.010	38.811	TRUE	2.15E-09
Allergic asthma	FYN	cg08601457	rs12175744	C	G	0.380	0.046	0.085	1.85E-16	0.055	0.026	0.037	0.018	67.722	TRUE	2.81E-15
Allergic asthma	FYN	cg08601457	rs17540214	T	A	-0.212	0.037	0.133	6.56E-09	0.013	0.023	0.554	0.009	33.644	TRUE	1.35E-08
Allergic asthma	FYN	cg08601457	rs62413686	T	G	0.743	0.116	0.011	1.79E-10	0.239	0.093	0.010	0.011	40.665	TRUE	1.78E-09
Allergic asthma	FYN	cg08601457	rs6932319	A	G	-0.249	0.036	0.146	3.40E-12	-0.005	0.024	0.836	0.013	48.419	TRUE	6.47E-12
Allergic asthma	FYN	cg08601457	rs706895	C	T	0.284	0.029	0.249	1.62E-22	0.040	0.018	0.028	0.025	95.265	TRUE	6.07E-21
Allergic asthma	FYN	cg08601457	rs9487736	A	G	0.872	0.035	0.143	5.23E-135	0.072	0.025	0.004	0.142	611.189	TRUE	6.49E-123
Allergic asthma	FYN	cg09410830	rs17072801	C	A	-0.437	0.072	0.071	1.30E-09	0.017	0.025	0.489	0.010	36.800	TRUE	3.01E-09
Allergic asthma	FYN	cg09512548	rs10457239	A	G	-0.280	0.034	0.154	4.11E-16	0.003	0.019	0.894	0.018	66.148	TRUE	9.35E-16

Allergic asthma	FYN	cg09512548	rs11153314	A	G	0.199	0.033	0.177	2.41E-09	0.035	0.022	0.116	0.010	35.595	TRUE	1.02E-08
Allergic asthma	FYN	cg09512548	rs12191154	G	A	-0.696	0.038	0.108	5.00E-74	-0.010	0.022	0.631	0.082	331.126	TRUE	1.71E-70
Allergic asthma	FYN	cg09512548	rs1794818	A	G	0.297	0.025	0.411	1.94E-31	-0.003	0.014	0.841	0.035	135.986	TRUE	1.59E-30
Allergic asthma	FYN	cg09512548	rs56376432	C	T	0.253	0.046	0.082	3.47E-08	-0.004	0.028	0.890	0.008	30.407	TRUE	5.01E-08
Allergic asthma	FYN	cg13832988	rs116862171	G	A	-1.205	0.139	0.016	3.78E-18	0.046	0.047	0.334	0.020	75.390	TRUE	2.31E-17
Allergic asthma	FYN	cg13832988	rs35552830	A	T	-0.207	0.033	0.170	2.68E-10	0.001	0.018	0.947	0.011	39.874	TRUE	4.10E-10
Allergic asthma	FYN	cg14482998	rs1029324	A	G	-0.941	0.022	0.327	<1E-200	-0.006	0.014	0.655	0.333	1844.014	TRUE	<1E-200
Allergic asthma	FYN	cg14482998	rs11153314	A	G	-0.498	0.033	0.177	3.66E-52	0.035	0.022	0.116	0.059	230.847	TRUE	3.27E-49
Allergic asthma	FYN	cg14482998	rs117106468	A	C	-0.671	0.090	0.019	9.52E-14	0.002	0.062	0.969	0.015	55.434	TRUE	1.72E-13
Allergic asthma	FYN	cg14482998	rs117686161	A	T	0.829	0.140	0.015	3.09E-09	-0.149	0.062	0.016	0.009	35.109	TRUE	2.30E-08
Allergic asthma	FYN	cg14482998	rs117804466	A	G	0.560	0.073	0.030	1.83E-14	0.013	0.040	0.743	0.016	58.680	TRUE	4.47E-14
Allergic asthma	FYN	cg14482998	rs174401	C	T	-0.504	0.032	0.180	1.32E-55	-0.010	0.015	0.499	0.063	246.626	TRUE	3.92E-53
Allergic asthma	FYN	cg14482998	rs2237257	G	T	0.578	0.037	0.124	3.70E-56	0.003	0.021	0.870	0.063	249.157	TRUE	4.63E-54
Allergic asthma	FYN	cg14482998	rs35737411	T	C	0.403	0.043	0.095	1.44E-20	0.040	0.035	0.246	0.023	86.397	TRUE	1.36E-19
Allergic asthma	FYN	cg14482998	rs35796161	G	T	0.511	0.025	0.398	1.16E-96	-0.008	0.014	0.558	0.105	435.023	TRUE	3.37E-91
Allergic asthma	FYN	cg14482998	rs456865	T	C	-0.336	0.025	0.429	5.97E-40	0.031	0.014	0.021	0.045	174.913	TRUE	2.90E-37
Allergic asthma	FYN	cg14482998	rs62414866	A	C	0.420	0.044	0.082	3.04E-21	-0.023	0.032	0.468	0.024	89.467	TRUE	1.90E-20
Allergic asthma	FYN	cg14482998	rs72944240	T	C	-0.382	0.054	0.143	1.67E-12	-0.012	0.025	0.650	0.013	49.806	TRUE	4.00E-12
Allergic asthma	FYN	cg14482998	rs74885165	A	G	0.472	0.082	0.020	6.80E-09	-0.013	0.033	0.680	0.009	33.573	TRUE	1.23E-08
Allergic asthma	FYN	cg14482998	rs75288724	G	A	-0.772	0.087	0.022	7.02E-19	0.030	0.068	0.654	0.021	78.714	TRUE	2.68E-18
Allergic asthma	FYN	cg14482998	rs788157	T	A	-0.672	0.084	0.023	1.02E-15	0.105	0.048	0.030	0.017	64.360	TRUE	1.54E-14
Allergic asthma	FYN	cg14482998	rs79074797	C	T	-0.585	0.047	0.078	4.92E-35	0.011	0.031	0.710	0.040	152.419	TRUE	7.27E-34
Allergic asthma	FYN	cg14482998	rs9487589	C	T	0.393	0.028	0.280	1.51E-44	0.029	0.014	0.038	0.050	195.964	TRUE	1.00E-41
Allergic asthma	FYN	cg14482998	rs9487671	C	T	-0.466	0.065	0.044	6.91E-13	-0.015	0.034	0.656	0.014	51.542	TRUE	1.68E-12
Allergic asthma	FYN	cg14482998	rs9487704	A	G	-0.705	0.083	0.024	1.29E-17	0.047	0.044	0.287	0.019	72.976	TRUE	8.25E-17
Allergic asthma	FYN	cg14683699	rs73533730	T	C	-0.499	0.082	0.028	1.35E-09	0.027	0.091	0.768	0.010	36.714	TRUE	2.36E-09
Allergic asthma	FYN	cg14683699	rs9320380	T	C	-0.299	0.030	0.253	6.80E-24	0.038	0.018	0.031	0.027	101.542	TRUE	2.89E-22
Allergic asthma	FYN	cg16155724	rs1887315	G	C	0.293	0.038	0.138	8.29E-15	0.054	0.024	0.025	0.016	60.233	TRUE	1.18E-13
Allergic asthma	FYN	cg17076443	rs9487736	A	G	0.300	0.037	0.143	3.55E-16	0.072	0.025	0.004	0.018	66.434	TRUE	1.06E-14
Allergic asthma	FYN	cg20596647	rs12175744	C	G	0.504	0.046	0.085	6.81E-28	0.055	0.026	0.037	0.031	119.788	TRUE	4.48E-26
Allergic asthma	FYN	cg20596647	rs144080231	A	G	-0.198	0.035	0.146	1.84E-08	0.000	0.019	0.984	0.008	31.644	TRUE	2.48E-08
Allergic asthma	FYN	cg20596647	rs17704348	C	T	-0.246	0.037	0.131	1.72E-11	-0.009	0.020	0.659	0.012	45.238	TRUE	3.79E-11
Allergic asthma	FYN	cg20596647	rs4544951	G	A	-0.151	0.027	0.343	1.56E-08	0.007	0.015	0.655	0.009	31.962	TRUE	2.82E-08
Allergic asthma	FYN	cg20596647	rs536341	A	G	0.372	0.066	0.042	1.96E-08	0.019	0.029	0.503	0.008	31.522	TRUE	4.09E-08
Allergic asthma	FYN	cg20596647	rs62413686	T	G	1.319	0.116	0.011	3.67E-30	0.239	0.093	0.010	0.034	130.148	TRUE	6.10E-28
Allergic asthma	FYN	cg20596647	rs706867	T	C	-0.195	0.029	0.235	3.59E-11	-0.010	0.015	0.494	0.012	43.803	TRUE	9.35E-11
Allergic asthma	FYN	cg20596647	rs706895	C	T	0.322	0.029	0.249	1.00E-28	0.040	0.018	0.028	0.032	123.586	TRUE	8.55E-27
Allergic asthma	FYN	cg20596647	rs72942201	A	G	-0.347	0.051	0.061	7.43E-12	0.011	0.031	0.729	0.013	46.884	TRUE	1.55E-11
Allergic asthma	FYN	cg20596647	rs7775711	A	G	1.225	0.031	0.142	<1E-200	0.072	0.025	0.004	0.297	1561.376	TRUE	1.44E-292
Allergic asthma	FYN	cg20706496	rs150735800	C	T	0.452	0.081	0.025	2.94E-08	-0.020	0.046	0.657	0.008	30.732	TRUE	5.22E-08
Allergic asthma	FYN	cg20706496	rs6912110	G	A	-0.327	0.026	0.376	1.18E-35	-0.008	0.014	0.570	0.040	155.263	TRUE	2.47E-34
Allergic asthma	FYN	cg24824472	rs9487736	A	G	0.494	0.036	0.143	9.37E-42	0.072	0.025	0.004	0.047	183.170	TRUE	1.37E-38

Allergic asthma	FYN	cg26462931	rs9487777	C	G	1.489	0.109	0.014	3.66E-42	-0.024	0.035	0.495	0.048	185.037	TRUE	1.91E-40
Allergic asthma	FYN	cg26846943	rs10872074	G	A	0.485	0.082	0.026	2.76E-09	0.045	0.043	0.300	0.009	35.325	TRUE	7.98E-09
Allergic asthma	FYN	cg26846943	rs11153318	A	G	-0.256	0.026	0.364	2.90E-22	-0.007	0.014	0.639	0.025	94.119	TRUE	1.48E-21
Allergic asthma	FYN	cg26846943	rs144080231	A	G	-0.217	0.035	0.146	7.31E-10	0.000	0.019	0.984	0.010	37.915	TRUE	1.06E-09
Allergic asthma	FYN	cg26846943	rs17704348	C	T	-0.287	0.037	0.131	3.72E-15	-0.009	0.020	0.659	0.016	61.811	TRUE	1.06E-14
Allergic asthma	FYN	cg26846943	rs56268709	A	C	0.854	0.154	0.015	2.83E-08	-0.015	0.052	0.771	0.008	30.805	TRUE	4.54E-08
Allergic asthma	FYN	cg26846943	rs580900	C	T	1.153	0.059	0.049	1.89E-85	0.085	0.035	0.015	0.094	383.552	TRUE	3.81E-79
Allergic asthma	FYN	cg26846943	rs585057	T	C	0.240	0.039	0.329	5.71E-10	0.012	0.014	0.406	0.010	38.396	TRUE	1.51E-09
Allergic asthma	FYN	cg26846943	rs72946251	C	A	0.475	0.067	0.042	1.20E-12	0.019	0.029	0.503	0.013	50.459	TRUE	3.47E-12
Allergic asthma	FYN	cg26846943	rs7776191	G	T	0.735	0.067	0.036	5.09E-28	0.034	0.033	0.308	0.032	120.367	TRUE	8.79E-27
Allergic asthma	FYN	cg26846943	rs804193	T	C	0.562	0.064	0.042	1.57E-18	0.029	0.044	0.514	0.020	77.129	TRUE	7.18E-18
Allergic asthma	FYN	cg26846943	rs9400505	C	T	1.342	0.027	0.148	<1E-200	0.059	0.024	0.012	0.400	2466.568	TRUE	<1E-200
Allergic asthma	FYN	cg26846943	rs9481206	T	A	0.308	0.040	0.116	6.25E-15	0.010	0.025	0.695	0.016	60.790	TRUE	1.67E-14
Allergic asthma	GAB2	cg07780377	rs10793302	T	C	-0.269	0.032	0.150	8.77E-17	0.057	0.017	6.76E-04	0.018	69.190	TRUE	4.86E-15
Allergic asthma	GAB2	cg12700464	rs202186505	C	T	-0.178	0.032	0.149	3.75E-08	0.058	0.017	5.42E-04	0.008	30.259	TRUE	4.55E-07
Allergic asthma	GAB2	cg13226797	rs2063730	C	A	-0.201	0.031	0.177	4.58E-11	0.052	0.017	0.002	0.012	43.327	TRUE	7.61E-10
Allergic asthma	GAB2	cg13319772	rs901105	C	A	-0.231	0.032	0.154	3.62E-13	0.056	0.017	9.39E-04	0.014	52.811	TRUE	1.00E-11
Allergic asthma	GAB2	cg24769381	rs112250420	A	T	-0.600	0.061	0.072	1.01E-22	0.044	0.025	0.076	0.025	96.204	TRUE	2.40E-21
Allergic asthma	GAB2	cg24769381	rs11237557	C	A	0.298	0.049	0.064	1.66E-09	0.022	0.021	0.304	0.010	36.317	TRUE	4.87E-09
Allergic asthma	GAB2	cg24769381	rs12294627	A	C	-0.937	0.115	0.019	2.86E-16	-0.054	0.061	0.382	0.018	66.863	TRUE	1.34E-15
Allergic asthma	GAB2	cg24769381	rs12420296	C	T	-0.141	0.024	0.459	2.46E-09	0.012	0.014	0.369	0.010	35.554	TRUE	6.46E-09
Allergic asthma	GAB2	cg24769381	rs1790246	A	G	-0.205	0.026	0.260	8.64E-15	0.015	0.016	0.354	0.016	60.151	TRUE	3.74E-14
Allergic asthma	GAB2	cg24769381	rs189665771	T	C	-1.350	0.162	0.011	8.42E-17	0.012	0.105	0.912	0.018	69.270	TRUE	1.96E-16
Allergic asthma	GAB2	cg24769381	rs2510044	A	G	-1.261	0.028	0.130	<1E-200	0.054	0.017	0.002	0.361	2092.313	TRUE	<1E-200
Allergic asthma	GAB2	cg24769381	rs542392	A	T	0.175	0.029	0.222	1.11E-09	-0.019	0.017	0.283	0.010	37.094	TRUE	3.43E-09
Allergic asthma	GAB2	cg24769381	rs683420	C	T	-0.584	0.089	0.036	6.10E-11	-0.026	0.064	0.684	0.011	42.765	TRUE	1.26E-10
Allergic asthma	GAB2	cg24769381	rs7125327	T	C	0.324	0.032	0.391	9.95E-24	-0.006	0.015	0.681	0.027	100.789	TRUE	5.40E-23
Allergic asthma	GAB2	cg24769381	rs74862493	G	T	-0.530	0.040	0.098	1.97E-39	0.009	0.027	0.744	0.045	172.540	TRUE	4.31E-38
Allergic asthma	GAB2	cg24769381	rs75268099	T	C	-1.275	0.090	0.019	6.51E-46	0.104	0.052	0.045	0.052	202.212	TRUE	4.77E-43
Allergic asthma	GAB2	cg24769381	rs977977	T	C	0.217	0.027	0.232	1.62E-15	-0.014	0.018	0.426	0.017	63.448	TRUE	6.62E-15
Allergic asthma	GAB2	cg25414537	rs71471414	G	T	-0.433	0.045	0.180	1.49E-21	0.000	0.021	0.983	0.024	90.875	TRUE	4.36E-21
Allergic asthma	GAB2	cg25502267	rs2510031	C	T	-0.237	0.032	0.150	2.06E-13	0.052	0.017	0.002	0.014	53.918	TRUE	4.96E-12
Allergic asthma	GAB2	cg26672202	rs117732488	G	A	0.542	0.099	0.015	4.93E-08	0.087	0.065	0.181	0.008	29.728	TRUE	1.54E-07
Allergic asthma	GAB2	cg26672202	rs1385601	C	A	0.886	0.031	0.150	2.14E-179	0.052	0.017	0.002	0.181	815.206	TRUE	6.34E-161
Allergic asthma	GAB2	cg26672202	rs189665771	T	C	1.073	0.163	0.011	4.24E-11	0.012	0.105	0.912	0.012	43.474	TRUE	7.01E-11
Allergic asthma	GAB2	cg26672202	rs7125563	A	G	-0.161	0.026	0.278	5.19E-10	-0.007	0.016	0.656	0.010	38.584	TRUE	1.04E-09
Allergic asthma	GAB2	cg26672202	rs79023139	C	A	0.329	0.040	0.102	1.27E-16	0.015	0.025	0.559	0.018	68.463	TRUE	4.64E-16
Allergic asthma	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	0.007	0.014	0.603	0.009	33.308	TRUE	1.51E-08
Allergic asthma	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	0.049	0.025	0.053	0.008	30.032	TRUE	1.95E-07
Allergic asthma	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	0.008	0.016	0.622	0.009	32.422	TRUE	2.32E-08
Allergic asthma	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	0.019	0.043	0.664	0.011	42.684	TRUE	1.34E-10
Allergic asthma	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	-0.050	0.014	2.61E-04	0.013	48.719	TRUE	9.02E-11

Allergic asthma	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	0.047	0.024	0.048	0.073	291.545	TRUE	3.48E-61
Allergic asthma	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	0.042	0.047	0.371	0.010	36.633	TRUE	3.79E-09
Allergic asthma	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	0.004	0.019	0.848	0.010	36.929	TRUE	1.96E-09
Allergic asthma	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	0.020	0.017	0.242	0.010	37.019	TRUE	3.81E-09
Allergic asthma	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	0.055	0.014	5.59E-05	0.008	30.384	TRUE	6.10E-07
Allergic asthma	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	0.031	0.025	0.211	0.009	35.350	TRUE	9.16E-09
Allergic asthma	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	-0.023	0.015	0.110	0.073	293.103	TRUE	8.07E-62
Allergic asthma	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	-0.041	0.020	0.044	0.012	46.222	TRUE	8.15E-11
Allergic asthma	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	0.021	0.015	0.140	0.020	73.634	TRUE	9.04E-17
Allergic asthma	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	-0.010	0.019	0.582	0.021	81.272	TRUE	8.53E-19
Allergic asthma	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	-0.006	0.018	0.750	0.024	92.119	TRUE	3.32E-21
Allergic asthma	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	-0.003	0.014	0.848	0.017	65.797	TRUE	1.17E-15
Allergic asthma	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	0.048	0.025	0.056	0.012	44.362	TRUE	1.85E-10
Allergic asthma	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	0.036	0.014	0.009	0.017	64.427	TRUE	2.26E-14
Allergic asthma	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	-0.014	0.015	0.363	0.013	49.592	TRUE	6.49E-12
Allergic asthma	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	-0.011	0.029	0.712	0.010	35.790	TRUE	3.95E-09
Allergic asthma	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	0.001	0.016	0.937	0.019	71.662	TRUE	5.84E-17
Allergic asthma	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	-0.024	0.018	0.186	0.011	40.186	TRUE	9.02E-10
Allergic asthma	GATA4	cg12395012	rs113711483	C	G	0.348	0.025	0.389	5.53E-43	-0.047	0.015	0.001	0.049	188.797	TRUE	1.72E-39
Allergic asthma	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	0.008	0.016	0.622	0.016	60.757	TRUE	1.87E-14
Allergic asthma	GATA4	cg12395012	rs11782805	T	C	-0.358	0.058	0.058	8.67E-10	0.037	0.038	0.333	0.010	37.584	TRUE	2.50E-09
Allergic asthma	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	-0.045	0.014	9.84E-04	0.030	115.655	TRUE	1.42E-24
Allergic asthma	GATA4	cg12395012	rs12547653	A	C	0.254	0.028	0.266	1.54E-19	-0.457	0.423	0.280	0.022	81.705	TRUE	1.21E-18
Allergic asthma	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	-0.031	0.017	0.074	0.037	144.038	TRUE	2.98E-31
Allergic asthma	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	0.006	0.015	0.689	0.060	236.695	TRUE	2.59E-51
Allergic asthma	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	0.007	0.014	0.603	0.012	43.068	TRUE	1.18E-10
Allergic asthma	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	-0.039	0.016	0.019	0.036	139.849	TRUE	4.63E-30
Allergic asthma	GATA4	cg12395012	rs17796285	C	G	0.256	0.026	0.373	1.70E-23	-0.034	0.015	0.027	0.026	99.728	TRUE	7.34E-22
Allergic asthma	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	0.005	0.015	0.719	0.034	129.571	TRUE	4.37E-29
Allergic asthma	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	0.012	0.014	0.409	0.012	45.010	TRUE	5.76E-11
Allergic asthma	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.028	0.015	0.066	0.022	82.740	TRUE	1.64E-18
Allergic asthma	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	-0.023	0.014	0.096	0.023	88.204	TRUE	9.87E-20
Allergic asthma	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	-0.020	0.014	0.135	0.378	2251.154	TRUE	<1E-200
Allergic asthma	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	0.073	0.042	0.083	0.008	30.198	TRUE	1.58E-07
Allergic asthma	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	0.027	0.019	0.173	0.016	58.439	TRUE	1.28E-13
Allergic asthma	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	0.030	0.014	0.030	0.020	74.471	TRUE	1.21E-16
Allergic asthma	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.014	0.025	0.579	0.011	39.772	TRUE	6.23E-10
Allergic asthma	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	-0.001	0.016	0.966	0.026	99.007	TRUE	8.33E-23
Allergic asthma	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	-0.056	0.031	0.069	0.018	66.474	TRUE	3.98E-15
Allergic asthma	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	-0.031	0.028	0.273	0.014	50.905	TRUE	3.98E-12
Allergic asthma	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.036	0.021	0.078	0.015	57.079	TRUE	3.51E-13
Allergic asthma	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	0.013	0.027	0.638	0.011	40.146	TRUE	4.86E-10

Allergic asthma	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.067	0.022	0.002	0.018	69.634	TRUE	2.85E-15
Allergic asthma	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	-0.018	0.015	0.217	0.013	48.249	TRUE	1.63E-11
Allergic asthma	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	0.026	0.020	0.199	0.014	52.642	TRUE	2.00E-12
Allergic asthma	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	-0.010	0.019	0.582	0.037	142.044	TRUE	1.38E-31
Allergic asthma	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	-0.048	0.024	0.049	0.039	152.064	TRUE	8.49E-33
Allergic asthma	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.009	0.014	0.546	0.009	32.887	TRUE	1.98E-08
Allergic asthma	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	-0.054	0.027	0.047	0.008	30.231	TRUE	1.82E-07
Allergic asthma	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.012	0.017	0.464	0.055	213.953	TRUE	2.22E-46
Allergic asthma	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	-0.057	0.019	0.002	0.010	38.537	TRUE	7.13E-09
Allergic asthma	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	0.006	0.014	0.664	0.013	48.501	TRUE	7.49E-12
Allergic asthma	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	-0.044	0.015	0.004	0.037	141.186	TRUE	5.38E-30
Allergic asthma	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	-0.031	0.014	0.023	0.017	64.131	TRUE	1.89E-14
Allergic asthma	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	-0.031	0.058	0.595	0.009	34.801	TRUE	7.26E-09
Allergic asthma	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	0.049	0.028	0.078	0.009	32.326	TRUE	5.71E-08
Allergic asthma	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	0.038	0.015	0.009	0.055	216.699	TRUE	1.46E-45
Allergic asthma	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	0.025	0.020	0.228	0.008	29.788	TRUE	1.37E-07
Allergic asthma	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	-0.015	0.021	0.467	0.012	45.412	TRUE	4.37E-11
Allergic asthma	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	0.006	0.033	0.851	0.023	86.920	TRUE	3.64E-20
Allergic asthma	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	-0.088	0.066	0.181	0.018	69.543	TRUE	5.71E-16
Allergic asthma	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	0.038	0.014	0.007	0.011	42.187	TRUE	9.55E-10
Allergic asthma	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	0.025	0.018	0.154	0.013	49.055	TRUE	1.29E-11
Allergic asthma	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	0.031	0.018	0.080	0.023	85.330	TRUE	4.29E-19
Allergic asthma	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	-0.030	0.015	0.046	0.013	48.665	TRUE	2.47E-11
Allergic asthma	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.016	0.016	0.325	0.010	35.815	TRUE	6.05E-09
Allergic asthma	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	-0.019	0.014	0.183	0.012	45.548	TRUE	6.61E-11
Allergic asthma	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	-0.048	0.019	0.010	0.009	34.592	TRUE	3.29E-08
Allergic asthma	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	-0.013	0.016	0.398	0.014	52.700	TRUE	1.34E-12
Allergic asthma	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	0.014	0.016	0.370	0.011	41.898	TRUE	2.82E-10
Allergic asthma	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	0.045	0.015	0.002	0.013	50.455	TRUE	2.47E-11
Allergic asthma	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	0.039	0.024	0.110	0.009	32.861	TRUE	3.93E-08
Allergic asthma	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	0.036	0.014	0.009	0.100	412.571	TRUE	1.15E-84
Allergic asthma	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	-0.014	0.015	0.363	0.017	62.753	TRUE	1.03E-14
Allergic asthma	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	-0.019	0.018	0.275	0.009	34.832	TRUE	1.06E-08
Allergic asthma	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	-0.041	0.023	0.074	0.008	30.565	TRUE	1.36E-07
Allergic asthma	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	0.052	0.026	0.047	0.023	85.529	TRUE	5.05E-19
Allergic asthma	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	-0.044	0.015	0.004	0.008	31.710	TRUE	1.63E-07
Allergic asthma	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	0.059	0.027	0.027	0.017	62.917	TRUE	3.18E-14
Allergic asthma	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	-0.022	0.015	0.129	0.010	38.618	TRUE	2.24E-09
Allergic asthma	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	0.005	0.018	0.773	0.019	70.206	TRUE	1.47E-16
Allergic asthma	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	0.021	0.021	0.315	0.010	36.804	TRUE	3.76E-09
Allergic asthma	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	0.031	0.014	0.025	0.136	581.132	TRUE	7.04E-118
Allergic asthma	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	0.008	0.016	0.622	0.010	37.048	TRUE	2.31E-09

Allergic asthma	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	-0.048	0.016	0.002	0.020	73.921	TRUE	3.89E-16
Allergic asthma	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	-0.014	0.016	0.391	0.015	57.528	TRUE	1.27E-13
Allergic asthma	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	0.003	0.014	0.824	0.010	37.183	TRUE	1.77E-09
Allergic asthma	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	-0.030	0.016	0.062	0.019	70.635	TRUE	5.63E-16
Allergic asthma	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	-0.037	0.015	0.015	0.034	131.650	TRUE	2.53E-28
Allergic asthma	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	-0.008	0.021	0.695	0.011	40.029	TRUE	4.85E-10
Allergic asthma	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	-0.029	0.018	0.102	0.008	29.970	TRUE	1.66E-07
Allergic asthma	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	0.020	0.014	0.144	0.013	50.398	TRUE	6.92E-12
Allergic asthma	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	0.003	0.015	0.830	0.016	60.009	TRUE	2.09E-14
Allergic asthma	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	0.037	0.015	0.015	0.026	98.171	TRUE	1.95E-21
Allergic asthma	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	0.014	0.016	0.370	0.010	36.247	TRUE	4.59E-09
Allergic asthma	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	0.036	0.016	0.024	0.011	40.016	TRUE	1.94E-09
Allergic asthma	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	-0.032	0.017	0.058	0.012	44.473	TRUE	1.74E-10
Allergic asthma	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	-0.007	0.014	0.623	0.013	46.883	TRUE	1.75E-11
Allergic asthma	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	-0.031	0.015	0.039	0.018	68.221	TRUE	2.17E-15
Allergic asthma	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	0.007	0.016	0.673	0.027	100.891	TRUE	5.20E-23
Allergic asthma	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	-0.028	0.019	0.139	0.015	57.157	TRUE	2.64E-13
Allergic asthma	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	-0.003	0.014	0.848	0.024	91.679	TRUE	3.56E-21
Allergic asthma	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	0.049	0.025	0.053	0.009	33.368	TRUE	3.86E-08
Allergic asthma	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	0.001	0.016	0.937	0.033	127.799	TRUE	7.10E-29
Allergic asthma	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	-0.013	0.016	0.439	0.016	58.439	TRUE	7.53E-14
Allergic asthma	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	0.046	0.024	0.052	0.017	63.574	TRUE	1.80E-14
Allergic asthma	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	0.019	0.014	0.169	0.010	38.738	TRUE	1.90E-09
Allergic asthma	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	0.047	0.024	0.047	0.025	93.890	TRUE	9.18E-21
Allergic asthma	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	-0.108	0.070	0.122	0.008	31.014	TRUE	9.38E-08
Allergic asthma	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	-0.006	0.023	0.782	0.015	56.164	TRUE	1.48E-13
Allergic asthma	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	-0.031	0.033	0.348	0.012	43.321	TRUE	1.45E-10
Allergic asthma	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	0.004	0.014	0.753	0.009	34.839	TRUE	6.11E-09
Allergic asthma	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	-0.017	0.015	0.252	0.008	29.771	TRUE	1.33E-07
Allergic asthma	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	0.015	0.024	0.541	0.023	87.462	TRUE	4.45E-20
Allergic asthma	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	-0.027	0.025	0.268	0.015	57.334	TRUE	1.74E-13
Allergic asthma	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	-0.040	0.018	0.026	0.011	40.308	TRUE	1.66E-09
Allergic asthma	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	-0.029	0.017	0.100	0.008	30.269	TRUE	1.44E-07
Allergic asthma	GATA4	cg23916205	rs73209087	A	C	0.319	0.054	0.056	2.83E-09	-0.010	0.032	0.760	0.009	35.281	TRUE	4.87E-09
Allergic asthma	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	-0.059	0.015	9.05E-05	0.009	33.868	TRUE	1.12E-07
Allergic asthma	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.012	0.017	0.464	0.020	75.680	TRUE	1.58E-17
Allergic asthma	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	-0.028	0.014	0.048	0.118	496.104	TRUE	1.00E-101
Allergic asthma	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	-0.019	0.016	0.244	0.013	48.672	TRUE	1.26E-11
Allergic asthma	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	0.026	0.014	0.065	0.014	51.402	TRUE	5.84E-12
Allergic asthma	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	0.038	0.014	0.005	0.034	131.293	TRUE	5.04E-28
Allergic asthma	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	-0.026	0.019	0.158	0.010	37.232	TRUE	4.08E-09
Allergic asthma	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	-0.051	0.016	0.001	0.012	45.839	TRUE	2.49E-10

Allergic asthma	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	-0.022	0.015	0.158	0.009	34.224	TRUE	1.78E-08
Allergic asthma	GATA4	cg23972785	rs12156238	C	G	0.270	0.048	0.179	2.18E-08	-0.052	0.018	0.003	0.008	31.308	TRUE	2.00E-07
Allergic asthma	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	-0.045	0.016	0.007	0.009	32.265	TRUE	1.09E-07
Allergic asthma	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	0.007	0.014	0.603	0.014	51.868	TRUE	1.53E-12
Allergic asthma	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	0.059	0.014	3.97E-05	0.014	52.429	TRUE	2.30E-11
Allergic asthma	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	0.012	0.015	0.407	0.011	39.564	TRUE	8.48E-10
Allergic asthma	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	-0.027	0.038	0.481	0.009	33.664	TRUE	1.44E-08
Allergic asthma	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	0.020	0.017	0.242	0.013	49.878	TRUE	7.00E-12
Allergic asthma	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	-0.023	0.015	0.110	0.099	407.818	TRUE	9.20E-85
Allergic asthma	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	-0.039	0.052	0.454	0.016	60.509	TRUE	2.67E-14
Allergic asthma	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	-0.041	0.020	0.044	0.021	80.057	TRUE	7.09E-18
Allergic asthma	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	-0.010	0.017	0.570	0.008	30.569	TRUE	6.14E-08
Allergic asthma	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	0.021	0.015	0.140	0.021	77.680	TRUE	1.28E-17
Allergic asthma	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	-0.010	0.019	0.582	0.023	87.101	TRUE	4.96E-20
Allergic asthma	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	-0.056	0.014	1.02E-04	0.010	35.513	TRUE	5.12E-08
Allergic asthma	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	-0.006	0.018	0.750	0.035	134.159	TRUE	4.50E-30
Allergic asthma	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	0.007	0.014	0.638	0.029	109.329	TRUE	9.14E-25
Allergic asthma	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	-0.034	0.015	0.020	0.009	34.283	TRUE	3.21E-08
Allergic asthma	GCC2	cg01745370	rs10865026	G	A	-0.208	0.029	0.215	1.31E-12	0.000	0.014	0.985	0.013	50.287	TRUE	2.18E-12
Allergic asthma	GCC2	cg01745370	rs12612761	G	A	0.951	0.019	0.400	<1E-200	-0.013	0.014	0.353	0.415	2623.400	TRUE	<1E-200
Allergic asthma	GCC2	cg01745370	rs13006511	C	T	-0.472	0.035	0.113	9.60E-41	0.003	0.024	0.887	0.046	178.544	TRUE	1.82E-39
Allergic asthma	GCC2	cg01745370	rs144922799	A	G	0.443	0.080	0.023	2.86E-08	-0.056	0.080	0.479	0.008	30.783	TRUE	6.06E-08
Allergic asthma	GCC2	cg01745370	rs28491803	T	C	-0.365	0.032	0.155	1.35E-29	-0.022	0.016	0.174	0.033	127.572	TRUE	4.30E-28
Allergic asthma	GCC2	cg01745370	rs62151084	G	A	0.642	0.078	0.025	1.86E-16	0.076	0.036	0.032	0.018	67.714	TRUE	2.97E-15
Allergic asthma	GCC2	cg01745370	rs7595791	G	T	0.251	0.024	0.412	4.89E-26	-0.013	0.014	0.359	0.029	111.319	TRUE	6.04E-25
Allergic asthma	GCC2	cg01745370	rs78778269	G	A	0.447	0.063	0.037	1.10E-12	-0.011	0.042	0.792	0.014	50.629	TRUE	2.26E-12
Allergic asthma	GCC2	cg01745370	rs826582	C	T	-0.454	0.026	0.266	2.13E-66	0.035	0.017	0.043	0.074	296.122	TRUE	4.62E-62
Allergic asthma	GCC2	cg02082929	rs10202541	A	T	-0.591	0.030	0.181	2.48E-85	0.051	0.021	0.012	0.094	383.010	TRUE	5.83E-79
Allergic asthma	GCC2	cg02082929	rs10496417	A	G	0.151	0.024	0.374	4.98E-10	0.008	0.015	0.575	0.010	38.665	TRUE	1.08E-09
Allergic asthma	GCC2	cg02082929	rs114452046	T	C	0.488	0.066	0.058	1.55E-13	-0.017	0.032	0.590	0.015	54.476	TRUE	4.29E-13
Allergic asthma	GCC2	cg02082929	rs116340057	G	A	-0.691	0.084	0.035	1.36E-16	0.004	0.041	0.924	0.018	68.329	TRUE	3.07E-16
Allergic asthma	GCC2	cg02082929	rs142146413	G	A	-0.312	0.048	0.064	5.31E-11	-0.108	0.034	0.002	0.012	43.036	TRUE	8.98E-10
Allergic asthma	GCC2	cg02082929	rs17036137	G	T	0.302	0.046	0.069	8.33E-11	-0.051	0.025	0.044	0.011	42.157	TRUE	5.82E-10
Allergic asthma	GCC2	cg02082929	rs1983395	G	C	-0.945	0.020	0.325	<1E-200	0.044	0.016	0.006	0.381	2274.723	TRUE	<1E-200
Allergic asthma	GCC2	cg02082929	rs2378108	T	C	0.542	0.071	0.028	1.88E-14	-0.011	0.026	0.672	0.016	58.627	TRUE	5.00E-14
Allergic asthma	GCC2	cg02082929	rs260712	G	A	0.331	0.044	0.088	3.19E-14	-0.043	0.018	0.016	0.015	57.582	TRUE	4.81E-13
Allergic asthma	GCC2	cg02082929	rs2718696	G	A	0.564	0.032	0.153	2.46E-71	-0.022	0.016	0.173	0.079	318.773	TRUE	3.34E-67
Allergic asthma	GCC2	cg02082929	rs35718535	T	C	-0.238	0.024	0.451	6.25E-24	0.035	0.014	0.009	0.027	101.711	TRUE	4.45E-22
Allergic asthma	GCC2	cg02082929	rs370153378	C	G	0.510	0.050	0.058	1.27E-24	-0.014	0.027	0.604	0.028	104.868	TRUE	8.44E-24
Allergic asthma	GCC2	cg02082929	rs62148790	C	T	-0.405	0.057	0.085	8.22E-13	0.036	0.025	0.144	0.014	51.201	TRUE	4.69E-12
Allergic asthma	GCC2	cg02082929	rs72826984	T	C	-0.202	0.033	0.142	1.40E-09	0.017	0.019	0.363	0.010	36.646	TRUE	3.80E-09
Allergic asthma	GCC2	cg02082929	rs76451498	C	T	0.542	0.037	0.115	6.51E-50	-0.006	0.020	0.778	0.056	220.535	TRUE	4.50E-48

Allergic asthma	GCC2	cg02082929	rs78778269	G	A	0.409	0.063	0.037	6.83E-11	-0.011	0.042	0.792	0.011	42.545	TRUE	1.26E-10
Allergic asthma	GCC2	cg02082929	rs9646948	T	C	0.194	0.024	0.403	2.36E-16	0.000	0.014	0.993	0.018	67.241	TRUE	4.83E-16
Allergic asthma	GCC2	cg06161235	rs10210738	C	G	0.368	0.023	0.388	2.48E-57	-0.012	0.014	0.392	0.064	254.543	TRUE	1.31E-54
Allergic asthma	GCC2	cg06161235	rs2577603	C	T	-0.194	0.033	0.133	5.70E-09	-0.019	0.017	0.254	0.009	33.916	TRUE	1.72E-08
Allergic asthma	GCC2	cg12433691	rs10779897	A	G	0.357	0.024	0.384	4.84E-51	-0.014	0.014	0.318	0.058	225.707	TRUE	1.35E-48
Allergic asthma	GCC2	cg12433691	rs2718697	C	T	-0.239	0.034	0.134	1.21E-12	-0.019	0.017	0.255	0.013	50.442	TRUE	5.17E-12
Allergic asthma	GFAP	cg02407342	rs8067029	G	T	-0.258	0.037	0.116	2.66E-12	0.069	0.024	0.004	0.013	48.900	TRUE	4.58E-11
Allergic asthma	GFAP	cg07167554	rs2289674	G	A	0.157	0.029	0.202	3.71E-08	-0.027	0.018	0.136	0.008	30.278	TRUE	1.30E-07
Allergic asthma	GFAP	cg07918341	rs17546654	A	G	-0.224	0.034	0.151	3.95E-11	-0.013	0.022	0.565	0.012	43.613	TRUE	9.43E-11
Allergic asthma	GFAP	cg10855825	rs8067029	G	T	-0.261	0.036	0.116	7.90E-13	0.069	0.024	0.004	0.014	51.280	TRUE	1.48E-11
Allergic asthma	GFAP	cg16343401	rs117250203	T	G	-0.693	0.113	0.012	8.18E-10	-0.247	0.220	0.261	0.010	37.696	TRUE	2.64E-09
Allergic asthma	GFAP	cg16343401	rs12150247	G	C	0.224	0.041	0.083	4.73E-08	-0.027	0.024	0.272	0.008	29.808	TRUE	1.27E-07
Allergic asthma	GFAP	cg16343401	rs12602860	T	C	0.184	0.026	0.306	6.37E-13	-0.044	0.014	0.002	0.014	51.702	TRUE	1.51E-11
Allergic asthma	GFAP	cg16343401	rs12944434	G	A	0.180	0.024	0.497	1.76E-14	-0.009	0.014	0.526	0.016	58.752	TRUE	5.69E-14
Allergic asthma	GFAP	cg16343401	rs143814916	C	A	-0.424	0.067	0.031	2.47E-10	0.037	0.037	0.325	0.011	40.034	TRUE	7.55E-10
Allergic asthma	GFAP	cg16343401	rs144535065	A	G	-0.367	0.057	0.039	1.65E-10	-0.002	0.050	0.968	0.011	40.820	TRUE	2.50E-10
Allergic asthma	GFAP	cg16343401	rs144647217	A	G	-0.251	0.034	0.135	1.54E-13	-0.012	0.021	0.559	0.015	54.492	TRUE	4.42E-13
Allergic asthma	GFAP	cg16343401	rs2070935	T	G	-0.370	0.024	0.420	4.25E-54	0.016	0.014	0.243	0.061	239.715	TRUE	2.47E-51
Allergic asthma	GFAP	cg16343401	rs2289681	T	C	0.527	0.034	0.128	5.53E-54	-0.056	0.026	0.030	0.061	239.190	TRUE	1.88E-50
Allergic asthma	GFAP	cg16343401	rs4792948	T	C	-0.256	0.038	0.116	2.64E-11	0.014	0.019	0.483	0.012	44.403	TRUE	7.05E-11
Allergic asthma	GFAP	cg16343401	rs6503409	T	C	0.211	0.025	0.349	9.50E-18	-0.021	0.014	0.137	0.020	73.574	TRUE	9.42E-17
Allergic asthma	GFAP	cg16343401	rs713101	A	G	0.229	0.023	0.436	1.61E-22	0.010	0.014	0.480	0.025	95.278	TRUE	1.11E-21
Allergic asthma	GFAP	cg16343401	rs72826852	A	G	-0.266	0.037	0.121	5.07E-13	0.047	0.024	0.051	0.014	52.151	TRUE	4.46E-12
Allergic asthma	GFAP	cg16343401	rs79588955	C	G	-0.409	0.039	0.096	1.56E-25	0.006	0.021	0.773	0.029	109.015	TRUE	8.51E-25
Allergic asthma	GFAP	cg16343401	rs8067029	G	T	-0.769	0.036	0.116	5.08E-101	0.069	0.024	0.004	0.110	455.050	TRUE	1.03E-92
Allergic asthma	GFAP	cg17265120	rs8073674	C	A	0.209	0.037	0.116	1.66E-08	-0.033	0.019	0.076	0.009	31.840	TRUE	7.27E-08
Allergic asthma	GFAP	cg18208742	rs76566528	A	G	-0.211	0.033	0.156	1.45E-10	-0.010	0.022	0.664	0.011	41.070	TRUE	2.99E-10
Allergic asthma	GFAP	cg20911989	rs112023302	A	G	0.232	0.038	0.102	8.48E-10	-0.065	0.024	0.006	0.010	37.625	TRUE	8.55E-09
Allergic asthma	GFAP	cg20911989	rs11657244	T	C	-0.195	0.034	0.143	7.80E-09	0.033	0.019	0.085	0.009	33.307	TRUE	3.44E-08
Allergic asthma	GFAP	cg20911989	rs12449792	T	C	0.204	0.024	0.448	4.24E-18	-0.024	0.015	0.093	0.020	75.165	TRUE	5.30E-17
Allergic asthma	GFAP	cg20911989	rs12602860	T	C	0.155	0.026	0.306	1.19E-09	-0.044	0.014	0.002	0.010	36.974	TRUE	1.59E-08
Allergic asthma	GFAP	cg20911989	rs2070935	T	G	-0.309	0.024	0.420	5.73E-38	0.016	0.014	0.243	0.043	165.842	TRUE	3.79E-36
Allergic asthma	GFAP	cg20911989	rs2289681	T	C	0.500	0.034	0.128	1.37E-48	-0.056	0.026	0.030	0.055	214.466	TRUE	1.98E-45
Allergic asthma	GFAP	cg20911989	rs56908739	T	C	-0.597	0.037	0.114	1.72E-59	0.073	0.024	0.002	0.067	264.439	TRUE	8.36E-55
Allergic asthma	GFAP	cg20911989	rs6503409	T	C	0.170	0.025	0.349	4.54E-12	-0.021	0.014	0.137	0.013	47.852	TRUE	2.44E-11
Allergic asthma	GFAP	cg20911989	rs7217422	C	G	-0.226	0.033	0.161	4.35E-12	-0.027	0.019	0.150	0.013	47.932	TRUE	2.25E-11
Allergic asthma	GFAP	cg20911989	rs72826870	C	G	-0.220	0.037	0.119	3.13E-09	0.036	0.023	0.124	0.009	35.082	TRUE	1.28E-08
Allergic asthma	GFAP	cg20911989	rs73309596	T	C	-0.387	0.046	0.068	8.64E-17	0.063	0.026	0.014	0.018	69.220	TRUE	1.95E-15
Allergic asthma	GFAP	cg21601845	rs2070935	T	G	-0.152	0.024	0.420	1.78E-10	0.016	0.014	0.243	0.011	40.670	TRUE	6.34E-10
Allergic asthma	GFAP	cg23016243	rs144535065	A	G	0.400	0.057	0.039	2.79E-12	-0.002	0.050	0.968	0.013	48.806	TRUE	4.64E-12
Allergic asthma	GFAP	cg23016243	rs67419793	G	T	0.532	0.037	0.114	1.54E-47	0.073	0.024	0.002	0.054	209.657	TRUE	8.74E-44
Allergic asthma	GFAP	cg23016243	rs7207047	A	G	0.133	0.024	0.395	3.57E-08	0.030	0.014	0.034	0.008	30.353	TRUE	1.88E-07

Allergic asthma	GFAP	cg23016243	rs72824797	T	C	0.186	0.032	0.156	5.60E-09	0.000	0.018	0.983	0.009	33.951	TRUE	7.75E-09
Allergic asthma	GFAP	cg23016243	rs758020	C	A	-0.243	0.038	0.112	2.40E-10	-0.031	0.019	0.101	0.011	40.088	TRUE	1.20E-09
Allergic asthma	GFAP	cg23242944	rs744281	A	G	-0.137	0.024	0.407	1.11E-08	-0.018	0.014	0.188	0.009	32.613	TRUE	3.68E-08
Allergic asthma	GGCT	cg12773030	rs255125	A	G	0.167	0.025	0.333	1.02E-11	-0.028	0.015	0.059	0.012	46.267	TRUE	7.22E-11
Allergic asthma	GGCT	cg21491201	rs2906766	C	T	0.204	0.025	0.311	1.00E-15	0.020	0.014	0.165	0.017	64.395	TRUE	7.27E-15
Allergic asthma	GGCT	cg21491201	rs38486	T	C	0.293	0.028	0.231	1.10E-25	-0.007	0.015	0.620	0.029	109.718	TRUE	7.81E-25
Allergic asthma	GGCT	cg23780937	rs38415	G	C	0.178	0.028	0.232	1.55E-10	-0.033	0.016	0.039	0.011	40.945	TRUE	1.08E-09
Allergic asthma	GHITM	cg18887562	rs11200822	C	T	0.351	0.050	0.063	1.87E-12	0.031	0.034	0.358	0.013	49.584	TRUE	6.57E-12
Allergic asthma	GHITM	cg18887562	rs12257999	C	A	0.764	0.058	0.045	3.35E-40	-0.017	0.046	0.708	0.045	176.061	TRUE	8.59E-39
Allergic asthma	GHITM	cg19704238	rs7076128	G	A	0.353	0.059	0.045	2.01E-09	-0.017	0.046	0.708	0.010	35.946	TRUE	3.67E-09
Allergic asthma	GHITM	cg19704238	rs7085968	A	G	-0.205	0.026	0.297	6.41E-15	0.000	0.014	0.998	0.016	60.739	TRUE	1.20E-14
Allergic asthma	GHITM	cg23027704	rs10736315	A	G	0.237	0.026	0.287	1.73E-20	0.002	0.016	0.923	0.023	86.026	TRUE	5.11E-20
Allergic asthma	GHITM	cg23027704	rs12415362	C	T	-0.452	0.024	0.360	2.75E-81	-0.030	0.015	0.039	0.090	364.440	TRUE	1.07E-75
Allergic asthma	GHITM	cg23027704	rs2350147	T	C	-0.142	0.025	0.331	1.05E-08	0.004	0.014	0.789	0.009	32.728	TRUE	1.70E-08
Allergic asthma	GHITM	cg23027704	rs4933974	A	G	0.152	0.027	0.256	1.16E-08	0.015	0.015	0.299	0.009	32.542	TRUE	3.16E-08
Allergic asthma	GHITM	cg23027704	rs6585779	A	G	0.176	0.031	0.171	1.73E-08	0.023	0.017	0.189	0.009	31.765	TRUE	5.57E-08
Allergic asthma	GHITM	cg23027704	rs66846769	A	G	-0.306	0.047	0.131	1.16E-10	-0.020	0.020	0.311	0.011	41.512	TRUE	3.73E-10
Allergic asthma	GHITM	cg23027704	rs7096124	C	T	0.194	0.035	0.137	2.14E-08	0.017	0.019	0.357	0.008	31.348	TRUE	5.27E-08
Allergic asthma	GHITM	cg23027704	rs80126868	T	G	0.265	0.043	0.164	6.96E-10	0.000	0.016	0.983	0.010	38.011	TRUE	1.01E-09
Allergic asthma	GHITM	cg25186695	rs12263387	A	G	-0.408	0.060	0.041	1.36E-11	-0.015	0.056	0.783	0.012	45.694	TRUE	2.65E-11
Allergic asthma	GHITM	cg25783892	rs10788325	C	T	-0.212	0.025	0.361	6.89E-18	-0.030	0.015	0.040	0.020	74.207	TRUE	1.21E-16
Allergic asthma	GNAI2	cg17641710	rs41291724	G	C	-0.341	0.041	0.089	5.95E-17	0.053	0.020	0.007	0.019	69.954	TRUE	1.74E-15
Allergic asthma	GNPTAB	cg01687189	rs10778127	G	A	0.205	0.031	0.164	6.77E-11	-0.008	0.017	0.621	0.011	42.562	TRUE	1.49E-10
Allergic asthma	GNPTAB	cg01687189	rs10860758	T	G	0.144	0.025	0.334	9.34E-09	0.011	0.014	0.410	0.009	32.956	TRUE	2.22E-08
Allergic asthma	GNPTAB	cg01687189	rs11111017	C	T	0.302	0.031	0.182	1.22E-22	0.015	0.015	0.306	0.025	95.825	TRUE	1.22E-21
Allergic asthma	GNPTAB	cg01687189	rs11111055	C	T	0.390	0.040	0.090	1.95E-22	0.031	0.021	0.148	0.025	94.903	TRUE	3.09E-21
Allergic asthma	GNPTAB	cg01687189	rs11111098	T	C	0.183	0.031	0.180	2.86E-09	-0.018	0.018	0.311	0.009	35.261	TRUE	8.11E-09
Allergic asthma	GNPTAB	cg01687189	rs112892793	T	C	0.434	0.074	0.024	3.83E-09	0.080	0.117	0.495	0.009	34.688	TRUE	8.54E-09
Allergic asthma	GNPTAB	cg01687189	rs116925784	G	T	0.326	0.060	0.040	4.84E-08	-0.045	0.058	0.440	0.008	29.765	TRUE	1.05E-07
Allergic asthma	GNPTAB	cg01687189	rs12313062	A	G	0.315	0.028	0.218	5.04E-29	-0.023	0.017	0.169	0.033	124.952	TRUE	1.54E-27
Allergic asthma	GNPTAB	cg01687189	rs12582545	C	G	0.258	0.039	0.106	2.30E-11	0.023	0.018	0.213	0.012	44.675	TRUE	9.47E-11
Allergic asthma	GNPTAB	cg01687189	rs17436238	T	C	-0.291	0.046	0.070	3.48E-10	-0.014	0.029	0.631	0.011	39.361	TRUE	7.23E-10
Allergic asthma	GNPTAB	cg01687189	rs2241553	G	T	0.168	0.025	0.329	2.33E-11	-0.012	0.014	0.395	0.012	44.647	TRUE	7.03E-11
Allergic asthma	GNPTAB	cg01687189	rs73163704	A	T	-0.351	0.054	0.046	6.30E-11	-0.026	0.035	0.464	0.011	42.701	TRUE	1.67E-10
Allergic asthma	GNPTAB	cg01687189	rs9668831	A	C	0.233	0.024	0.382	7.31E-22	-0.013	0.014	0.366	0.024	92.286	TRUE	5.91E-21
Allergic asthma	GNPTAB	cg03756485	rs11830792	C	T	-0.436	0.026	0.288	1.48E-65	0.034	0.014	0.013	0.073	292.257	TRUE	6.67E-61
Allergic asthma	GNPTAB	cg03756485	rs17724970	G	A	0.329	0.044	0.081	1.09E-13	-0.046	0.027	0.090	0.015	55.173	TRUE	8.33E-13
Allergic asthma	GNPTAB	cg03756485	rs66467657	A	G	-0.196	0.035	0.127	2.11E-08	0.018	0.019	0.349	0.008	31.374	TRUE	5.26E-08
Allergic asthma	GNPTAB	cg17214456	rs10778142	C	A	-0.162	0.027	0.257	2.84E-09	-0.011	0.015	0.458	0.009	35.275	TRUE	6.65E-09
Allergic asthma	GNPTAB	cg17214456	rs11111088	C	T	0.200	0.023	0.477	1.21E-17	0.000	0.014	0.985	0.019	73.089	TRUE	2.72E-17
Allergic asthma	GNPTAB	cg17214456	rs111923673	C	T	-0.413	0.059	0.043	3.92E-12	-0.040	0.031	0.197	0.013	48.137	TRUE	1.81E-11
Allergic asthma	GNPTAB	cg17214456	rs11830792	C	T	-0.268	0.026	0.288	2.51E-25	0.034	0.014	0.013	0.028	108.078	TRUE	1.89E-23

Allergic asthma	GNPTAB	cg17214456	rs61938211	T	C	-0.694	0.030	0.166	5.32E-116	0.003	0.018	0.875	0.124	523.856	TRUE	3.41E-109
Allergic asthma	GNPTAB	cg17214456	rs7308665	A	G	-0.214	0.027	0.243	2.80E-15	0.028	0.015	0.057	0.017	62.372	TRUE	3.11E-14
Allergic asthma	GNPTAB	cg17214456	rs7979925	C	A	-0.146	0.024	0.460	8.22E-10	-0.007	0.014	0.585	0.010	37.687	TRUE	1.74E-09
Allergic asthma	GNPTAB	cg23541617	rs10778128	G	A	0.204	0.031	0.165	6.89E-11	-0.008	0.017	0.620	0.011	42.528	TRUE	1.52E-10
Allergic asthma	GNPTAB	cg23541617	rs10860758	T	G	0.141	0.025	0.334	1.74E-08	0.011	0.014	0.410	0.009	31.747	TRUE	4.05E-08
Allergic asthma	GNPTAB	cg23541617	rs10860774	A	G	-0.773	0.020	0.467	<1E-200	-0.015	0.014	0.288	0.287	1485.554	TRUE	4.21E-283
Allergic asthma	GNPTAB	cg23541617	rs11111055	C	T	0.484	0.040	0.090	7.15E-34	0.031	0.021	0.148	0.038	147.106	TRUE	4.29E-32
Allergic asthma	GNPTAB	cg23541617	rs11111098	T	C	0.292	0.031	0.180	1.55E-21	-0.018	0.018	0.311	0.024	90.795	TRUE	1.38E-20
Allergic asthma	GNPTAB	cg23541617	rs17436238	T	C	-0.399	0.046	0.070	6.35E-18	-0.014	0.029	0.631	0.020	74.370	TRUE	2.32E-17
Allergic asthma	GNPTAB	cg23541617	rs1980236	G	A	-0.146	0.023	0.487	4.06E-10	-0.007	0.014	0.602	0.010	39.063	TRUE	8.64E-10
Allergic asthma	GNPTAB	cg23541617	rs2241553	G	T	0.205	0.025	0.329	3.22E-16	-0.012	0.014	0.395	0.018	66.627	TRUE	1.47E-15
Allergic asthma	GNPTAB	cg23541617	rs34555394	G	A	-0.287	0.048	0.058	1.56E-09	0.064	0.039	0.102	0.010	36.443	TRUE	7.04E-09
Allergic asthma	GNPTAB	cg23541617	rs4764656	A	G	0.444	0.035	0.123	8.11E-37	-0.031	0.022	0.161	0.042	160.576	TRUE	6.57E-35
Allergic asthma	GNPTAB	cg23541617	rs73163704	A	T	-0.508	0.054	0.046	2.96E-21	-0.026	0.035	0.464	0.024	89.520	TRUE	1.87E-20
Allergic asthma	GNPTAB	cg23541617	rs73168318	A	G	0.456	0.039	0.099	5.69E-31	0.016	0.023	0.488	0.035	133.847	TRUE	8.69E-30
Allergic asthma	GNPTAB	cg23541617	rs7975428	A	C	0.266	0.031	0.176	5.95E-18	-0.012	0.019	0.520	0.020	74.496	TRUE	2.57E-17
Allergic asthma	GNPTAB	cg23541617	rs7978834	C	G	0.339	0.029	0.198	3.80E-31	0.006	0.016	0.703	0.035	134.648	TRUE	3.87E-30
Allergic asthma	GNS	cg00626466	rs61932682	G	C	0.299	0.051	0.104	3.96E-09	0.034	0.017	0.039	0.009	34.626	TRUE	2.28E-08
Allergic asthma	GNS	cg18624581	rs17764405	T	C	-0.461	0.069	0.074	2.07E-11	-0.008	0.031	0.798	0.012	44.880	TRUE	3.91E-11
Allergic asthma	GNS	cg18624581	rs501130	C	G	-0.345	0.023	0.411	8.63E-50	-0.040	0.014	0.005	0.056	219.973	TRUE	4.67E-46
Allergic asthma	GNS	cg27476482	rs2620719	G	A	0.189	0.024	0.407	9.36E-16	-0.039	0.014	0.005	0.017	64.526	TRUE	2.52E-14
Allergic asthma	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	0.014	0.014	0.328	0.022	83.004	TRUE	5.78E-19
Allergic asthma	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	-0.027	0.057	0.632	0.020	74.243	TRUE	2.46E-17
Allergic asthma	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	0.013	0.034	0.694	0.016	59.557	TRUE	3.08E-14
Allergic asthma	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	-0.003	0.015	0.828	0.012	45.037	TRUE	3.50E-11
Allergic asthma	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	-0.019	0.016	0.241	0.011	42.892	TRUE	2.14E-10
Allergic asthma	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	-0.110	0.015	1.28E-12	0.038	145.486	TRUE	2.00E-28
Allergic asthma	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	0.056	0.020	0.004	0.008	30.518	TRUE	2.76E-07
Allergic asthma	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	-0.117	0.032	2.81E-04	0.042	163.312	TRUE	4.71E-34
Allergic asthma	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	0.087	0.014	3.58E-10	0.020	75.784	TRUE	3.51E-15
Allergic asthma	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	0.078	0.014	1.04E-08	0.014	52.136	TRUE	9.53E-11
Allergic asthma	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	-0.002	0.019	0.923	0.014	52.275	TRUE	8.67E-13
Allergic asthma	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.024	0.022	0.286	0.010	38.182	TRUE	2.00E-09
Allergic asthma	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	0.078	0.014	1.04E-08	0.031	118.611	TRUE	6.91E-24
Allergic asthma	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	-0.055	0.018	0.002	0.024	91.445	TRUE	1.04E-19
Allergic asthma	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.068	0.055	0.220	0.010	36.121	TRUE	6.17E-09
Allergic asthma	GSDMA	cg24910161	rs11871317	G	C	0.215	0.038	0.246	1.20E-08	-0.043	0.015	0.003	0.009	32.462	TRUE	1.17E-07
Allergic asthma	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	-0.097	0.017	1.57E-08	0.023	88.537	TRUE	5.84E-18
Allergic asthma	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	0.013	0.014	0.348	0.011	41.141	TRUE	4.23E-10
Allergic asthma	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	0.102	0.015	3.71E-11	0.041	159.157	TRUE	2.19E-31
Allergic asthma	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	0.048	0.014	3.61E-04	0.044	170.791	TRUE	1.31E-35
Allergic asthma	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	-0.078	0.014	9.57E-09	0.320	1739.419	TRUE	<1E-200

Allergic asthma	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	0.014	0.031	0.651	0.017	62.193	TRUE	8.88E-15
Allergic asthma	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	0.076	0.030	0.011	0.013	50.514	TRUE	1.60E-11
Allergic asthma	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	0.067	0.014	3.08E-06	0.034	128.558	TRUE	1.93E-26
Allergic asthma	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.067	0.027	0.015	0.033	127.851	TRUE	1.54E-27
Allergic asthma	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	-0.062	0.061	0.308	0.008	29.958	TRUE	1.12E-07
Allergic asthma	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	-0.055	0.018	0.002	0.022	84.446	TRUE	2.82E-18
Allergic asthma	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.068	0.055	0.220	0.011	40.041	TRUE	9.01E-10
Allergic asthma	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	-0.097	0.017	1.57E-08	0.020	76.836	TRUE	1.21E-15
Allergic asthma	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	0.102	0.015	3.71E-11	0.047	181.852	TRUE	7.65E-36
Allergic asthma	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	0.048	0.014	3.61E-04	0.055	213.970	TRUE	2.58E-44
Allergic asthma	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	-0.078	0.014	9.57E-09	0.282	1451.768	TRUE	7.52E-269
Allergic asthma	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.049	0.022	0.030	0.032	124.005	TRUE	6.71E-27
Allergic asthma	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	0.014	0.031	0.651	0.014	52.543	TRUE	1.03E-12
Allergic asthma	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	0.076	0.030	0.011	0.015	56.822	TRUE	7.88E-13
Allergic asthma	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	0.067	0.014	3.08E-06	0.036	138.804	TRUE	1.70E-28
Allergic asthma	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	-0.023	0.085	0.788	0.008	30.737	TRUE	4.63E-08
Allergic asthma	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.099	0.037	0.008	0.014	52.132	TRUE	8.17E-12
Allergic asthma	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	-0.068	0.055	0.220	0.008	30.488	TRUE	9.86E-08
Allergic asthma	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	0.068	0.014	1.55E-06	0.009	32.948	TRUE	3.03E-07
Allergic asthma	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	-0.072	0.019	1.01E-04	0.009	32.601	TRUE	1.99E-07
Allergic asthma	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	-0.028	0.015	0.056	0.011	41.116	TRUE	8.90E-10
Allergic asthma	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	0.080	0.013	2.78E-09	0.012	46.247	TRUE	1.60E-09
Allergic asthma	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	0.123	0.014	6.44E-20	0.099	407.381	TRUE	2.84E-77
Allergic asthma	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	-0.013	0.030	0.676	0.011	40.532	TRUE	3.85E-10
Allergic asthma	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.035	0.026	0.178	0.017	64.042	TRUE	8.29E-15
Allergic asthma	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	-0.106	0.014	4.61E-15	0.009	31.956	TRUE	2.92E-06
Allergic asthma	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	-0.060	0.033	0.070	0.014	52.347	TRUE	3.60E-12
Allergic asthma	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	-0.047	0.018	0.009	0.009	32.697	TRUE	8.43E-08
Allergic asthma	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	0.023	0.020	0.235	0.010	36.314	TRUE	5.46E-09
Allergic asthma	HIP1	cg00361176	rs10277880	A	G	0.233	0.034	0.132	5.94E-12	0.020	0.023	0.379	0.013	47.322	TRUE	1.93E-11
Allergic asthma	HIP1	cg00361176	rs4731235	G	C	-0.206	0.027	0.246	1.19E-14	0.001	0.017	0.936	0.016	59.518	TRUE	2.36E-14
Allergic asthma	HIP1	cg01621268	rs1183821	G	A	-0.140	0.024	0.441	3.09E-09	0.002	0.014	0.900	0.009	35.109	TRUE	4.67E-09
Allergic asthma	HIP1	cg05145297	rs10277880	A	G	0.397	0.034	0.132	2.04E-32	0.020	0.023	0.379	0.037	140.451	TRUE	4.69E-31
Allergic asthma	HIP1	cg05145297	rs4731235	G	C	-0.272	0.027	0.246	1.82E-24	0.001	0.017	0.936	0.027	104.158	TRUE	7.04E-24
Allergic asthma	HIP1	cg05857060	rs1183821	G	A	-0.189	0.024	0.441	9.12E-16	0.002	0.014	0.900	0.017	64.577	TRUE	2.01E-15
Allergic asthma	HIP1	cg07211516	rs10247854	G	C	0.223	0.030	0.166	2.56E-13	0.026	0.017	0.121	0.014	53.489	TRUE	1.66E-12
Allergic asthma	HIP1	cg07211516	rs10248736	A	G	-0.291	0.032	0.148	2.57E-19	-0.054	0.025	0.035	0.021	80.697	TRUE	5.77E-18
Allergic asthma	HIP1	cg07211516	rs10273662	T	C	-0.235	0.032	0.145	1.96E-13	0.011	0.021	0.594	0.014	54.011	TRUE	5.36E-13
Allergic asthma	HIP1	cg07211516	rs10277452	T	C	0.229	0.026	0.264	2.90E-18	0.024	0.015	0.097	0.020	75.913	TRUE	3.62E-17
Allergic asthma	HIP1	cg07211516	rs12534422	T	C	-0.266	0.024	0.329	2.89E-28	0.014	0.016	0.367	0.032	121.487	TRUE	4.41E-27
Allergic asthma	HIP1	cg07211516	rs2705777	A	G	0.127	0.023	0.489	4.55E-08	0.003	0.014	0.818	0.008	29.882	TRUE	6.94E-08
Allergic asthma	HIP1	cg07211516	rs2705790	T	C	0.701	0.023	0.338	1.64E-199	0.009	0.014	0.488	0.197	907.682	TRUE	1.89E-181

Allergic asthma	HIP1	cg07211516	rs6948559	T	C	-0.276	0.040	0.087	3.91E-12	-0.004	0.019	0.829	0.013	48.141	TRUE	7.48E-12
Allergic asthma	HIP1	cg07211516	rs7794510	T	C	-0.254	0.044	0.070	7.65E-09	-0.012	0.033	0.721	0.009	33.345	TRUE	1.33E-08
Allergic asthma	HIP1	cg07928105	rs10216078	T	C	-0.323	0.041	0.082	5.67E-15	0.051	0.031	0.099	0.016	60.980	TRUE	4.83E-14
Allergic asthma	HIP1	cg13702357	rs10236433	G	A	-0.391	0.053	0.050	2.29E-13	-0.014	0.032	0.664	0.014	53.707	TRUE	5.72E-13
Allergic asthma	HIP1	cg14177084	rs10230553	T	C	0.316	0.041	0.082	2.46E-14	0.050	0.031	0.105	0.015	58.096	TRUE	1.90E-13
Allergic asthma	HIP1	cg14177084	rs1183821	G	A	0.351	0.023	0.441	2.26E-51	0.002	0.014	0.900	0.058	227.226	TRUE	1.42E-49
Allergic asthma	HIP1	cg14177084	rs62477719	A	G	-0.147	0.024	0.410	6.22E-10	-0.014	0.013	0.287	0.010	38.231	TRUE	1.95E-09
Allergic asthma	HIP1	cg16561155	rs191266096	T	C	0.237	0.028	0.234	1.53E-17	0.008	0.016	0.602	0.019	72.634	TRUE	5.65E-17
Allergic asthma	HIP1	cg17787366	rs2079205	A	C	0.281	0.023	0.395	2.28E-33	0.014	0.014	0.324	0.038	144.807	TRUE	6.75E-32
Allergic asthma	HIP1	cg18724912	rs10215166	C	A	0.309	0.042	0.080	1.09E-13	0.050	0.031	0.108	0.015	55.160	TRUE	7.77E-13
Allergic asthma	HIP1	cg18724912	rs10278376	T	G	-0.592	0.053	0.049	6.75E-29	-0.014	0.032	0.664	0.033	124.371	TRUE	5.97E-28
Allergic asthma	HIP1	cg19507725	rs12154679	T	C	0.441	0.031	0.152	5.31E-45	0.044	0.020	0.028	0.051	198.035	TRUE	4.61E-42
Allergic asthma	HIP1	cg22605936	rs2696207	G	A	0.168	0.025	0.340	1.04E-11	0.010	0.014	0.476	0.012	46.229	TRUE	2.89E-11
Allergic asthma	HIP1	cg23657377	rs10230553	T	C	-0.364	0.041	0.082	5.91E-19	0.050	0.031	0.105	0.021	79.056	TRUE	7.66E-18
Allergic asthma	HIP1	cg23657377	rs6945947	C	T	-0.141	0.025	0.327	9.89E-09	0.012	0.014	0.411	0.009	32.846	TRUE	2.35E-08
Allergic asthma	HIP1	cg26406292	rs10247961	T	C	-0.259	0.033	0.145	6.01E-15	-0.061	0.025	0.015	0.016	60.865	TRUE	1.03E-13
Allergic asthma	HIP1	cg26406292	rs13228140	G	C	0.159	0.025	0.347	8.00E-11	0.016	0.014	0.269	0.011	42.234	TRUE	2.80E-10
Allergic asthma	HIP1	cg27531731	rs10261914	A	G	-0.291	0.032	0.146	1.84E-19	0.011	0.021	0.594	0.022	81.364	TRUE	8.00E-19
Allergic asthma	HIP1	cg27531731	rs2079205	A	C	-0.171	0.024	0.395	7.50E-13	0.014	0.014	0.324	0.014	51.380	TRUE	2.88E-12
Allergic asthma	HIP1R	cg02358858	rs2343686	T	C	-1.443	0.166	0.010	4.05E-18	-0.064	0.046	0.170	0.020	75.257	TRUE	3.71E-17
Allergic asthma	HIP1R	cg06927717	rs12313006	T	C	0.383	0.052	0.062	2.56E-13	0.007	0.020	0.724	0.014	53.489	TRUE	5.93E-13
Allergic asthma	HIP1R	cg07706471	rs2100500	C	G	0.583	0.052	0.056	8.05E-29	0.008	0.020	0.689	0.032	124.023	TRUE	6.76E-28
Allergic asthma	HIP1R	cg08756735	rs11061056	A	G	0.568	0.073	0.027	6.61E-15	-0.054	0.032	0.090	0.016	60.679	TRUE	5.82E-14
Allergic asthma	HIP1R	cg18912006	rs11057258	C	A	-0.520	0.070	0.033	1.06E-13	-0.025	0.031	0.420	0.015	55.227	TRUE	3.75E-13
Allergic asthma	HIP1R	cg18912006	rs12229119	G	A	-1.181	0.122	0.011	2.75E-22	-0.025	0.069	0.720	0.025	94.219	TRUE	1.25E-21
Allergic asthma	HIP1R	cg18912006	rs12820345	T	G	0.231	0.024	0.497	7.89E-23	-0.019	0.014	0.150	0.025	96.693	TRUE	1.30E-21
Allergic asthma	HIP1R	cg18912006	rs184652369	G	A	-0.294	0.048	0.063	1.27E-09	-0.022	0.028	0.431	0.010	36.842	TRUE	3.16E-09
Allergic asthma	HIP1R	cg18912006	rs200230649	C	T	-0.168	0.024	0.415	9.29E-13	0.026	0.014	0.052	0.014	50.961	TRUE	7.83E-12
Allergic asthma	HIP1R	cg18912006	rs4759354	A	G	-1.647	0.050	0.055	1.16E-238	-0.071	0.032	0.027	0.227	1087.695	TRUE	8.92E-212
Allergic asthma	HIP1R	cg18912006	rs61955214	T	C	-0.221	0.025	0.326	3.44E-18	-0.084	0.015	3.02E-08	0.020	75.579	TRUE	1.92E-15
Allergic asthma	HIP1R	cg18912006	rs7307887	C	T	-0.149	0.026	0.288	1.25E-08	0.008	0.015	0.581	0.009	32.391	TRUE	2.45E-08
Allergic asthma	HIP1R	cg19340625	rs11058014	T	C	0.426	0.064	0.032	3.42E-11	-0.065	0.037	0.083	0.012	43.899	TRUE	2.02E-10
Allergic asthma	HIP1R	cg19340625	rs11060406	T	C	1.079	0.065	0.029	1.46E-61	-0.073	0.031	0.017	0.069	273.931	TRUE	2.69E-57
Allergic asthma	HIP1R	cg19340625	rs7954704	G	A	0.288	0.040	0.099	9.27E-13	-0.016	0.021	0.455	0.014	50.964	TRUE	2.88E-12
Allergic asthma	HIP1R	cg21167157	rs10744422	T	C	-0.397	0.038	0.116	3.29E-25	-0.016	0.018	0.352	0.028	107.540	TRUE	3.81E-24
Allergic asthma	HIP1R	cg21167157	rs74615202	G	T	-0.348	0.056	0.056	5.01E-10	0.005	0.040	0.910	0.010	38.652	TRUE	7.82E-10
Allergic asthma	HIP1R	cg22842854	rs12313006	T	C	0.775	0.051	0.062	1.00E-51	0.007	0.020	0.724	0.058	228.843	TRUE	9.85E-50
Allergic asthma	HIP1R	cg22842854	rs61956095	T	C	0.584	0.104	0.015	2.26E-08	-0.134	0.093	0.149	0.008	31.243	TRUE	7.83E-08
Allergic asthma	HIP1R	cg22842854	rs839354	C	T	0.279	0.048	0.063	7.73E-09	-0.044	0.022	0.045	0.009	33.325	TRUE	4.13E-08
Allergic asthma	HIP1R	cg23970703	rs10848076	G	A	0.238	0.043	0.090	3.39E-08	-0.030	0.024	0.217	0.008	30.453	TRUE	1.01E-07
Allergic asthma	HIP1R	cg23970703	rs12313006	T	C	0.590	0.052	0.062	8.89E-30	0.007	0.020	0.724	0.034	128.394	TRUE	7.66E-29
Allergic asthma	HIP1R	cg23970703	rs1983098	G	A	0.274	0.046	0.077	1.78E-09	-0.006	0.020	0.777	0.010	36.178	TRUE	3.06E-09

Allergic asthma	HIP1R	cg25930673	rs548349	T	C	0.325	0.049	0.061	2.03E-11	-0.046	0.022	0.038	0.012	44.921	TRUE	1.60E-10
Allergic asthma	HIP1R	cg25930673	rs61956095	T	C	0.731	0.104	0.015	2.44E-12	-0.134	0.093	0.149	0.013	49.064	TRUE	1.30E-11
Allergic asthma	HIP1R	cg25930673	rs73421642	C	G	0.929	0.052	0.057	1.15E-72	0.008	0.020	0.689	0.081	324.871	TRUE	2.66E-69
Allergic asthma	HIP1R	cg25930673	rs7967318	C	T	0.154	0.023	0.462	4.20E-11	-0.041	0.014	0.002	0.012	43.497	TRUE	6.60E-10
Allergic asthma	HIP1R	cg26682900	rs7487095	A	G	0.389	0.046	0.074	1.55E-17	-0.042	0.021	0.047	0.019	72.611	TRUE	2.45E-16
Allergic asthma	HSBP1	cg00255799	rs40009	A	G	-0.160	0.023	0.496	7.48E-12	-0.028	0.014	0.041	0.013	46.871	TRUE	6.12E-11
Allergic asthma	HSBP1	cg00255799	rs463480	T	A	-0.167	0.030	0.199	2.05E-08	0.009	0.017	0.588	0.008	31.433	TRUE	3.92E-08
Allergic asthma	HSBP1	cg00255799	rs707236	A	T	0.357	0.024	0.335	2.47E-48	0.033	0.015	0.022	0.055	213.299	TRUE	4.24E-45
Allergic asthma	HSBP1	cg00255799	rs7206133	G	A	0.342	0.031	0.168	1.66E-28	-0.017	0.019	0.371	0.032	122.592	TRUE	2.56E-27
Allergic asthma	HSBP1	cg00255799	rs8061248	C	T	-0.138	0.024	0.430	7.07E-09	-0.013	0.014	0.352	0.009	33.496	TRUE	1.83E-08
Allergic asthma	HSBP1	cg00392914	rs3743623	T	G	-0.133	0.024	0.434	1.88E-08	0.021	0.014	0.123	0.008	31.599	TRUE	7.03E-08
Allergic asthma	HSBP1	cg02319392	rs7206133	G	A	0.236	0.031	0.168	2.43E-14	-0.017	0.019	0.371	0.015	58.121	TRUE	9.81E-14
Allergic asthma	HSBP1	cg05518022	rs12925801	A	T	-0.327	0.055	0.045	3.54E-09	-0.018	0.032	0.578	0.009	34.844	TRUE	7.23E-09
Allergic asthma	HSBP1	cg05518022	rs138107830	G	A	0.358	0.047	0.065	4.52E-14	-0.009	0.040	0.825	0.015	56.896	TRUE	9.79E-14
Allergic asthma	HSBP1	cg05518022	rs149742918	G	A	0.420	0.076	0.024	2.94E-08	0.029	0.040	0.471	0.008	30.732	TRUE	6.27E-08
Allergic asthma	HSBP1	cg05518022	rs150320951	C	G	-0.306	0.051	0.050	2.13E-09	0.011	0.041	0.784	0.010	35.834	TRUE	3.61E-09
Allergic asthma	HSBP1	cg05518022	rs16961876	G	C	-0.305	0.035	0.122	5.17E-18	-0.014	0.025	0.563	0.020	74.774	TRUE	2.10E-17
Allergic asthma	HSBP1	cg05518022	rs17778083	A	G	-0.523	0.069	0.077	2.27E-14	-0.037	0.024	0.126	0.016	58.250	TRUE	1.62E-13
Allergic asthma	HSBP1	cg05518022	rs2164662	T	C	0.265	0.024	0.395	5.49E-29	0.026	0.014	0.053	0.033	124.781	TRUE	3.45E-27
Allergic asthma	HSBP1	cg05518022	rs28483661	C	T	-0.360	0.039	0.102	2.52E-20	0.026	0.028	0.352	0.023	85.286	TRUE	1.82E-19
Allergic asthma	HSBP1	cg05518022	rs34854932	G	A	-0.230	0.030	0.192	2.19E-14	-0.019	0.016	0.221	0.016	58.319	TRUE	1.20E-13
Allergic asthma	HSBP1	cg05518022	rs3943925	A	G	0.253	0.024	0.406	7.68E-27	0.002	0.014	0.863	0.030	114.986	TRUE	4.04E-26
Allergic asthma	HSBP1	cg05518022	rs4522	A	G	0.713	0.021	0.442	6.96E-251	0.020	0.014	0.150	0.236	1143.902	TRUE	4.69E-223
Allergic asthma	HSBP1	cg05518022	rs62047501	A	T	0.489	0.069	0.057	9.72E-13	0.041	0.030	0.164	0.014	50.873	TRUE	5.18E-12
Allergic asthma	HSBP1	cg05518022	rs6563966	T	G	0.144	0.026	0.281	3.13E-08	0.008	0.016	0.607	0.008	30.611	TRUE	5.81E-08
Allergic asthma	HSBP1	cg05518022	rs6563984	T	A	-0.278	0.037	0.120	5.42E-14	-0.013	0.017	0.445	0.015	56.542	TRUE	1.89E-13
Allergic asthma	HSBP1	cg05518022	rs707237	G	A	-0.223	0.025	0.335	5.09E-19	-0.005	0.014	0.689	0.021	79.349	TRUE	1.86E-18
Allergic asthma	HSBP1	cg05518022	rs72799104	G	A	-0.180	0.027	0.246	5.02E-11	-0.005	0.015	0.748	0.012	43.144	TRUE	9.76E-11
Allergic asthma	HSBP1	cg05518022	rs72804785	T	C	0.353	0.064	0.032	4.20E-08	-0.001	0.032	0.969	0.008	30.039	TRUE	5.65E-08
Allergic asthma	HSBP1	cg05518022	rs76421473	G	A	0.396	0.064	0.034	5.14E-10	0.001	0.042	0.988	0.010	38.603	TRUE	7.45E-10
Allergic asthma	HSBP1	cg05518022	rs8046897	G	A	0.263	0.023	0.494	1.24E-29	0.015	0.014	0.279	0.033	127.731	TRUE	2.77E-28
Allergic asthma	HSBP1	cg12815697	rs33096	C	G	0.161	0.027	0.240	4.40E-09	-0.016	0.016	0.314	0.009	34.418	TRUE	1.22E-08
Allergic asthma	HSBP1	cg12815697	rs34704079	A	G	1.188	0.114	0.020	2.56E-25	-0.002	0.036	0.961	0.028	108.041	TRUE	1.02E-24
Allergic asthma	HSBP1	cg12815697	rs8050393	T	C	0.208	0.036	0.116	4.86E-09	0.006	0.020	0.750	0.009	34.228	TRUE	8.32E-09
Allergic asthma	HSBP1	cg27405010	rs7203154	G	A	-0.206	0.035	0.131	5.52E-09	-0.014	0.017	0.412	0.009	33.979	TRUE	1.34E-08
Allergic asthma	HSBP1	cg27405010	rs7206133	G	A	0.353	0.031	0.168	2.54E-30	-0.017	0.019	0.371	0.034	130.881	TRUE	4.75E-29
Allergic asthma	HSBP1	cg27405010	rs889494	A	G	0.288	0.025	0.337	8.60E-32	0.035	0.015	0.016	0.036	137.598	TRUE	1.48E-29
Allergic asthma	HTT	cg05874888	rs13131153	T	C	-0.209	0.036	0.129	7.76E-09	0.064	0.024	0.007	0.009	33.315	TRUE	6.51E-08
Allergic asthma	HTT	cg05874888	rs13152260	T	C	0.155	0.027	0.244	1.15E-08	-0.007	0.018	0.685	0.009	32.555	TRUE	2.04E-08
Allergic asthma	HTT	cg05874888	rs149624523	C	T	0.600	0.071	0.029	4.58E-17	0.106	0.050	0.034	0.019	70.472	TRUE	7.76E-16
Allergic asthma	HTT	cg05874888	rs2024115	G	A	0.229	0.024	0.366	1.53E-21	-0.039	0.014	0.004	0.024	90.826	TRUE	1.03E-19
Allergic asthma	HTT	cg05874888	rs2073286	C	T	-0.263	0.025	0.319	2.95E-25	0.032	0.016	0.049	0.028	107.759	TRUE	1.20E-23

Allergic asthma	HTT	cg05874888	rs231394	C	T	0.131	0.024	0.426	4.32E-08	0.042	0.014	0.003	0.008	29.984	TRUE	3.88E-07
Allergic asthma	HTT	cg05874888	rs2699425	C	T	-0.137	0.025	0.383	3.34E-08	0.029	0.014	0.048	0.008	30.483	TRUE	1.60E-07
Allergic asthma	HTT	cg05874888	rs57666989	T	C	-0.403	0.046	0.072	9.51E-19	-0.023	0.031	0.451	0.021	78.117	TRUE	4.92E-18
Allergic asthma	HTT	cg05874888	rs61791251	A	G	-0.688	0.050	0.055	1.67E-43	0.041	0.030	0.166	0.049	191.175	TRUE	3.17E-41
Allergic asthma	HTT	cg05874888	rs76384668	C	T	-0.316	0.036	0.119	1.12E-18	-0.035	0.026	0.178	0.021	77.785	TRUE	1.07E-17
Allergic asthma	HTT	cg05874888	rs7686771	A	G	-0.466	0.046	0.074	4.78E-24	0.027	0.024	0.249	0.027	102.242	TRUE	6.40E-23
Allergic asthma	HTT	cg11324953	rs12506200	A	G	-0.392	0.032	0.149	7.10E-34	0.041	0.016	0.012	0.038	147.120	TRUE	1.92E-31
Allergic asthma	HTT	cg11324953	rs1263328	C	T	0.130	0.024	0.440	4.17E-08	0.019	0.014	0.165	0.008	30.052	TRUE	1.36E-07
Allergic asthma	HTT	cg11324953	rs28728173	A	G	-0.411	0.069	0.030	2.45E-09	0.021	0.055	0.708	0.010	35.559	TRUE	4.45E-09
Allergic asthma	HTT	cg11324953	rs363064	T	C	0.271	0.026	0.287	4.06E-26	-0.050	0.014	2.66E-04	0.029	111.685	TRUE	1.40E-23
Allergic asthma	HTT	cg11324953	rs7441672	A	G	0.384	0.052	0.061	2.34E-13	-0.002	0.040	0.952	0.014	53.667	TRUE	4.21E-13
Allergic asthma	HTT	cg15544235	rs7694687	T	C	-0.199	0.032	0.157	3.86E-10	0.039	0.016	0.016	0.010	39.160	TRUE	3.30E-09
Allergic asthma	HTT	cg26128129	rs10029047	A	G	0.299	0.023	0.490	5.02E-37	-0.003	0.013	0.851	0.042	161.527	TRUE	6.92E-36
Allergic asthma	HTT	cg26128129	rs112873919	G	A	-0.516	0.052	0.055	5.00E-23	-0.041	0.045	0.360	0.026	97.593	TRUE	4.59E-22
Allergic asthma	HTT	cg26128129	rs1203119	A	G	-0.600	0.049	0.066	1.65E-34	0.058	0.038	0.122	0.039	150.018	TRUE	1.23E-32
Allergic asthma	HTT	cg26128129	rs1203858	G	A	0.205	0.030	0.184	5.28E-12	0.034	0.020	0.091	0.013	47.553	TRUE	3.32E-11
Allergic asthma	HTT	cg26128129	rs1263330	A	G	0.298	0.024	0.370	1.47E-35	0.019	0.014	0.173	0.040	154.824	TRUE	9.63E-34
Allergic asthma	HTT	cg26128129	rs1263345	C	T	0.210	0.029	0.202	2.80E-13	-0.023	0.017	0.173	0.014	53.312	TRUE	1.54E-12
Allergic asthma	HTT	cg26128129	rs12644638	A	G	0.199	0.024	0.487	2.55E-17	0.009	0.014	0.497	0.019	71.628	TRUE	1.08E-16
Allergic asthma	HTT	cg26128129	rs13102855	A	G	-0.275	0.033	0.150	1.43E-16	0.027	0.022	0.219	0.018	68.223	TRUE	9.74E-16
Allergic asthma	HTT	cg26128129	rs1313775	G	A	-1.184	0.030	0.137	<1E-200	0.032	0.026	0.205	0.301	1595.397	TRUE	2.97E-301
Allergic asthma	HTT	cg26128129	rs148125464	T	C	-1.200	0.065	0.030	1.91E-75	0.033	0.041	0.423	0.084	337.631	TRUE	1.65E-71
Allergic asthma	HTT	cg26128129	rs17835422	G	C	0.249	0.042	0.086	2.25E-09	-0.021	0.021	0.331	0.010	35.729	TRUE	6.25E-09
Allergic asthma	HTT	cg26128129	rs1988007	T	C	-0.381	0.023	0.423	3.04E-60	0.040	0.014	0.004	0.068	267.888	TRUE	1.10E-55
Allergic asthma	HTT	cg26128129	rs2137835	T	C	0.183	0.024	0.471	7.71E-15	0.023	0.014	0.099	0.016	60.376	TRUE	6.47E-14
Allergic asthma	HTT	cg26128129	rs2298969	G	A	0.389	0.023	0.468	8.55E-64	-0.018	0.014	0.201	0.071	284.176	TRUE	2.75E-60
Allergic asthma	HTT	cg26128129	rs2798221	T	C	0.305	0.024	0.407	2.69E-38	0.024	0.014	0.090	0.043	167.344	TRUE	4.07E-36
Allergic asthma	HTT	cg26128129	rs2858035	C	A	-0.134	0.023	0.459	1.03E-08	-0.030	0.014	0.031	0.009	32.764	TRUE	6.00E-08
Allergic asthma	HTT	cg26128129	rs3108494	T	C	-0.247	0.038	0.113	1.12E-10	0.003	0.029	0.907	0.011	41.570	TRUE	1.82E-10
Allergic asthma	HTT	cg26128129	rs62275879	T	C	-0.395	0.061	0.042	9.81E-11	0.015	0.031	0.632	0.011	41.837	TRUE	2.11E-10
Allergic asthma	HTT	cg26128129	rs76034781	A	G	0.250	0.044	0.071	1.61E-08	0.046	0.027	0.090	0.009	31.899	TRUE	6.71E-08
Allergic asthma	HTT	cg26128129	rs7677047	A	G	-0.142	0.024	0.480	2.83E-09	0.002	0.014	0.906	0.009	35.275	TRUE	4.27E-09
Allergic asthma	HTT	cg26128129	rs9993109	G	A	-0.182	0.026	0.299	9.46E-13	0.015	0.015	0.319	0.014	50.925	TRUE	3.63E-12
Allergic asthma	HYAL2	cg07271561	rs114541445	G	A	-0.652	0.100	0.013	8.57E-11	-0.068	0.059	0.247	0.011	42.101	TRUE	3.12E-10
Allergic asthma	HYAL2	cg07271561	rs142774456	G	C	-0.573	0.096	0.017	2.23E-09	-0.031	0.062	0.614	0.010	35.742	TRUE	4.46E-09
Allergic asthma	HYAL2	cg07271561	rs2073499	G	A	-0.662	0.034	0.131	1.41E-85	0.018	0.017	0.309	0.094	384.138	TRUE	1.24E-80
Allergic asthma	HYAL2	cg07271561	rs2236952	G	C	-0.168	0.028	0.223	1.39E-09	0.007	0.014	0.618	0.010	36.662	TRUE	2.80E-09
Allergic asthma	HYAL2	cg07271561	rs2526386	C	T	-0.241	0.031	0.164	6.61E-15	0.038	0.021	0.069	0.016	60.679	TRUE	6.49E-14
Allergic asthma	HYAL2	cg07271561	rs2526399	T	C	-0.647	0.075	0.025	4.31E-18	0.040	0.039	0.304	0.020	75.132	TRUE	2.79E-17
Allergic asthma	HYAL2	cg07271561	rs556654756	C	T	-0.615	0.094	0.015	7.07E-11	0.031	0.076	0.683	0.011	42.478	TRUE	1.45E-10
Allergic asthma	HYAL2	cg07271561	rs79685183	T	C	-0.487	0.087	0.018	2.49E-08	0.054	0.021	0.010	0.008	31.054	TRUE	1.79E-07
Allergic asthma	HYAL2	cg12150256	rs7642692	C	T	-0.343	0.038	0.104	4.18E-19	0.044	0.020	0.028	0.021	79.741	TRUE	9.96E-18

Allergic asthma	HYAL2	cg12976582	rs12629572	G	T	-0.523	0.037	0.108	2.65E-44	0.014	0.017	0.418	0.050	194.840	TRUE	2.20E-42
Allergic asthma	HYAL2	cg12976582	rs9311447	T	C	-0.533	0.088	0.017	1.09E-09	0.067	0.043	0.122	0.010	37.128	TRUE	4.73E-09
Allergic asthma	HYAL2	cg13341668	rs12493985	G	T	-0.209	0.033	0.150	3.13E-10	0.041	0.018	0.026	0.011	39.573	TRUE	2.35E-09
Allergic asthma	HYAL2	cg13341668	rs12629572	G	T	-0.468	0.038	0.108	1.00E-35	0.014	0.017	0.418	0.040	155.578	TRUE	3.01E-34
Allergic asthma	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	0.003	0.015	0.827	0.015	57.336	TRUE	7.86E-14
Allergic asthma	IDUA	cg00187933	rs6827815	G	C	0.329	0.033	0.153	2.70E-23	-0.047	0.019	0.013	0.026	98.811	TRUE	1.55E-21
Allergic asthma	IDUA	cg00247629	rs11248057	G	C	-0.222	0.027	0.266	9.62E-17	0.009	0.016	0.571	0.018	69.009	TRUE	3.49E-16
Allergic asthma	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	-0.025	0.014	0.069	0.011	40.958	TRUE	8.95E-10
Allergic asthma	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	0.013	0.017	0.449	0.013	49.309	TRUE	6.57E-12
Allergic asthma	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	-0.014	0.014	0.314	0.065	258.356	TRUE	2.89E-55
Allergic asthma	IDUA	cg01572696	rs113130883	T	C	-0.155	0.028	0.228	4.00E-08	0.000	0.020	0.989	0.008	30.132	TRUE	5.30E-08
Allergic asthma	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	0.005	0.018	0.779	0.022	81.973	TRUE	4.54E-19
Allergic asthma	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	-0.011	0.020	0.584	0.012	46.127	TRUE	2.66E-11
Allergic asthma	IDUA	cg01572696	rs17131820	C	G	0.206	0.034	0.141	2.08E-09	-0.024	0.017	0.150	0.010	35.878	TRUE	8.07E-09
Allergic asthma	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	-0.004	0.014	0.745	0.012	45.664	TRUE	2.80E-11
Allergic asthma	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	0.028	0.017	0.102	0.015	54.952	TRUE	8.81E-13
Allergic asthma	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	0.004	0.014	0.750	0.049	189.624	TRUE	1.20E-41
Allergic asthma	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	-0.020	0.014	0.173	0.017	62.147	TRUE	2.11E-14
Allergic asthma	IDUA	cg01572696	rs6826191	G	A	-0.155	0.024	0.353	1.75E-10	-0.020	0.014	0.168	0.011	40.709	TRUE	7.28E-10
Allergic asthma	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	0.028	0.027	0.310	0.022	84.609	TRUE	2.77E-19
Allergic asthma	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	-0.014	0.014	0.314	0.017	62.567	TRUE	1.24E-14
Allergic asthma	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	0.004	0.037	0.924	0.021	79.226	TRUE	1.44E-18
Allergic asthma	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	0.004	0.014	0.750	0.016	60.197	TRUE	2.10E-14
Allergic asthma	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	0.028	0.027	0.310	0.009	35.354	TRUE	7.76E-09
Allergic asthma	IDUA	cg03889767	rs1078138	T	C	-0.287	0.030	0.193	4.00E-22	-0.001	0.016	0.942	0.025	93.479	TRUE	1.29E-21
Allergic asthma	IDUA	cg03889767	rs11946340	T	C	0.261	0.036	0.401	4.20E-13	0.003	0.014	0.839	0.014	52.517	TRUE	8.43E-13
Allergic asthma	IDUA	cg03889767	rs151010222	T	C	-0.996	0.095	0.015	1.31E-25	0.209	0.078	0.008	0.029	109.372	TRUE	1.29E-23
Allergic asthma	IDUA	cg03889767	rs188911015	A	G	-0.998	0.068	0.030	2.94E-48	0.058	0.056	0.299	0.054	212.955	TRUE	5.98E-46
Allergic asthma	IDUA	cg03889767	rs28569895	T	A	-0.320	0.030	0.193	5.08E-27	-0.015	0.017	0.370	0.030	115.806	TRUE	6.77E-26
Allergic asthma	IDUA	cg03889767	rs3806760	A	G	-0.288	0.025	0.327	8.18E-31	0.016	0.014	0.264	0.035	133.126	TRUE	2.18E-29
Allergic asthma	IDUA	cg03889767	rs4569707	G	C	-0.149	0.026	0.278	1.39E-08	0.012	0.014	0.420	0.009	32.177	TRUE	3.24E-08
Allergic asthma	IDUA	cg03889767	rs6848199	T	C	-0.291	0.024	0.363	5.23E-34	0.012	0.014	0.386	0.038	147.726	TRUE	1.40E-32
Allergic asthma	IDUA	cg03889767	rs75675915	G	T	-0.458	0.072	0.030	2.39E-10	-0.072	0.029	0.012	0.011	40.094	TRUE	2.24E-09
Allergic asthma	IDUA	cg03889767	rs77186370	A	C	-1.039	0.117	0.016	5.29E-19	0.000	0.038	0.992	0.021	79.276	TRUE	1.28E-18
Allergic asthma	IDUA	cg03889767	rs78564282	A	C	-0.593	0.057	0.042	8.72E-26	0.007	0.028	0.788	0.029	110.172	TRUE	4.73E-25
Allergic asthma	IDUA	cg03889767	rs80269477	T	G	-1.201	0.082	0.043	9.84E-49	0.032	0.025	0.207	0.055	215.131	TRUE	3.12E-46
Allergic asthma	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	-0.038	0.017	0.027	0.010	38.835	TRUE	3.32E-09
Allergic asthma	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	-0.197	0.064	0.002	0.020	76.262	TRUE	1.27E-16
Allergic asthma	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	-0.038	0.017	0.027	0.011	40.004	TRUE	1.89E-09
Allergic asthma	IDUA	cg08160350	rs115790973	G	C	0.428	0.033	0.154	2.17E-38	-0.046	0.019	0.015	0.043	167.769	TRUE	1.01E-35
Allergic asthma	IDUA	cg08160350	rs17165126	C	G	0.498	0.084	0.021	2.94E-09	-0.010	0.037	0.786	0.009	35.207	TRUE	4.93E-09
Allergic asthma	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	0.003	0.015	0.827	0.013	48.909	TRUE	5.12E-12

Allergic asthma	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	0.010	0.015	0.503	0.010	35.619	TRUE	5.33E-09
Allergic asthma	IDUA	cg08332990	rs115790973	G	C	0.297	0.033	0.154	3.48E-19	-0.046	0.019	0.015	0.021	80.103	TRUE	1.07E-17
Allergic asthma	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	0.003	0.015	0.827	0.011	41.490	TRUE	2.05E-10
Allergic asthma	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	-0.018	0.014	0.210	0.009	32.544	TRUE	3.65E-08
Allergic asthma	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	-0.025	0.014	0.069	0.020	77.335	TRUE	2.15E-17
Allergic asthma	IDUA	cg14652403	rs187658856	C	G	-0.298	0.037	0.108	1.14E-15	-0.007	0.018	0.690	0.017	64.137	TRUE	3.24E-15
Allergic asthma	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	0.003	0.014	0.843	0.010	36.272	TRUE	2.74E-09
Allergic asthma	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	0.009	0.014	0.505	0.050	193.196	TRUE	3.82E-42
Allergic asthma	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	0.028	0.027	0.310	0.010	39.051	TRUE	1.25E-09
Allergic asthma	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	-0.013	0.031	0.672	0.008	29.766	TRUE	8.35E-08
Allergic asthma	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	0.007	0.015	0.662	0.010	36.545	TRUE	2.85E-09
Allergic asthma	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	0.009	0.017	0.587	0.048	184.678	TRUE	1.82E-40
Allergic asthma	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	0.013	0.017	0.449	0.027	102.180	TRUE	4.14E-23
Allergic asthma	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	0.026	0.027	0.339	0.009	32.063	TRUE	3.78E-08
Allergic asthma	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	0.046	0.099	0.642	0.013	50.559	TRUE	2.78E-12
Allergic asthma	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	0.002	0.018	0.904	0.019	69.755	TRUE	1.56E-16
Allergic asthma	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	-0.011	0.014	0.415	0.010	36.376	TRUE	4.06E-09
Allergic asthma	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	0.003	0.014	0.843	0.011	41.224	TRUE	2.31E-10
Allergic asthma	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	0.000	0.016	0.984	0.046	179.864	TRUE	7.98E-40
Allergic asthma	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	0.003	0.014	0.839	0.012	44.025	TRUE	5.73E-11
Allergic asthma	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	-0.023	0.028	0.403	0.010	36.653	TRUE	3.60E-09
Allergic asthma	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	0.032	0.035	0.371	0.032	123.516	TRUE	1.64E-27
Allergic asthma	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	0.010	0.016	0.529	0.403	2493.113	TRUE	<1E-200
Allergic asthma	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	-0.017	0.031	0.583	0.023	88.732	TRUE	2.24E-20
Allergic asthma	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	-0.015	0.014	0.288	0.025	93.491	TRUE	3.95E-21
Allergic asthma	IDUA	cg15138543	rs4647931	T	G	-0.459	0.084	0.017	4.02E-08	-0.007	0.035	0.840	0.008	30.124	TRUE	6.03E-08
Allergic asthma	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	0.008	0.014	0.552	0.044	168.413	TRUE	4.69E-37
Allergic asthma	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	-0.001	0.016	0.950	0.030	113.010	TRUE	9.21E-26
Allergic asthma	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	0.017	0.018	0.350	0.044	170.556	TRUE	2.82E-37
Allergic asthma	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	0.004	0.019	0.838	0.009	34.920	TRUE	5.42E-09
Allergic asthma	IDUA	cg15138543	rs6599389	A	G	0.696	0.044	0.080	1.14E-57	0.029	0.039	0.458	0.065	256.094	TRUE	5.11E-55
Allergic asthma	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	0.002	0.050	0.963	0.038	146.399	TRUE	8.31E-33
Allergic asthma	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	-0.047	0.019	0.012	0.012	45.151	TRUE	2.00E-10
Allergic asthma	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	0.004	0.016	0.785	0.033	125.887	TRUE	2.32E-28
Allergic asthma	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	-0.024	0.022	0.266	0.023	86.012	TRUE	1.55E-19
Allergic asthma	IDUA	cg15138543	rs900030	C	T	0.335	0.043	0.084	1.08E-14	-0.022	0.037	0.551	0.016	59.714	TRUE	3.43E-14
Allergic asthma	IDUA	cg21616051	rs1064839	G	C	0.222	0.026	0.289	4.80E-17	0.022	0.016	0.173	0.019	70.381	TRUE	3.90E-16
Allergic asthma	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	0.034	0.108	0.750	0.063	248.815	TRUE	7.24E-54
Allergic asthma	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	0.002	0.018	0.904	0.018	69.409	TRUE	1.85E-16
Allergic asthma	IDUA	cg21616051	rs11931773	C	G	0.252	0.028	0.216	7.67E-19	-0.005	0.015	0.725	0.021	78.541	TRUE	2.63E-18
Allergic asthma	IDUA	cg21616051	rs141985622	T	A	-0.892	0.106	0.026	4.99E-17	-0.054	0.078	0.487	0.019	70.301	TRUE	2.10E-16
Allergic asthma	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	0.028	0.027	0.298	0.053	205.066	TRUE	2.51E-44

Allergic asthma	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	-0.005	0.015	0.736	0.022	84.731	TRUE	1.25E-19
Allergic asthma	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	-0.017	0.031	0.583	0.014	51.718	TRUE	1.68E-12
Allergic asthma	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	0.009	0.015	0.564	0.187	851.571	TRUE	3.14E-171
Allergic asthma	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	0.008	0.014	0.552	0.026	100.280	TRUE	8.57E-23
Allergic asthma	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	0.017	0.018	0.350	0.018	67.861	TRUE	8.75E-16
Allergic asthma	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	0.017	0.022	0.445	0.010	37.160	TRUE	2.65E-09
Allergic asthma	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	-0.020	0.049	0.676	0.014	54.084	TRUE	4.68E-13
Allergic asthma	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	-0.024	0.022	0.266	0.009	35.104	TRUE	9.38E-09
Allergic asthma	IDUA	cg21616051	rs900030	C	T	-0.423	0.043	0.084	1.24E-22	-0.022	0.037	0.551	0.025	95.793	TRUE	7.60E-22
Allergic asthma	IDUA	cg21628539	rs6829197	C	G	-0.206	0.030	0.193	6.62E-12	-0.001	0.015	0.935	0.013	47.112	TRUE	1.12E-11
Allergic asthma	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	0.012	0.014	0.389	0.011	41.338	TRUE	3.62E-10
Allergic asthma	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	0.012	0.014	0.416	0.010	36.378	TRUE	4.05E-09
Allergic asthma	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	-0.145	0.059	0.014	0.011	39.940	TRUE	2.35E-09
Allergic asthma	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	0.023	0.028	0.401	0.034	129.133	TRUE	1.02E-28
Allergic asthma	IDUA	cg23332689	rs34406303	C	G	0.595	0.042	0.083	5.19E-46	-0.049	0.025	0.053	0.052	202.663	TRUE	3.42E-43
Allergic asthma	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	0.008	0.014	0.552	0.013	47.425	TRUE	1.45E-11
Allergic asthma	IDUA	cg23332689	rs6829197	C	G	-0.218	0.030	0.193	2.38E-13	-0.001	0.015	0.935	0.014	53.633	TRUE	4.36E-13
Allergic asthma	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	0.002	0.014	0.882	0.009	32.172	TRUE	2.07E-08
Allergic asthma	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	0.010	0.017	0.568	0.017	65.394	TRUE	2.06E-15
Allergic asthma	IDUA	cg27494429	rs4647940	G	C	0.268	0.036	0.150	1.51E-13	-0.050	0.019	0.009	0.015	54.525	TRUE	2.52E-12
Allergic asthma	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	0.001	0.014	0.921	0.018	66.061	TRUE	9.44E-16
Allergic asthma	IGF2R	cg02744937	rs761388	G	A	-0.270	0.039	0.120	5.40E-12	0.020	0.015	0.201	0.013	47.510	TRUE	2.43E-11
Allergic asthma	IGF2R	cg03634777	rs148098552	C	T	-0.271	0.048	0.074	1.93E-08	-0.014	0.025	0.582	0.008	31.549	TRUE	3.72E-08
Allergic asthma	IGF2R	cg03634777	rs3798178	G	A	-0.229	0.026	0.377	2.32E-18	0.003	0.014	0.804	0.020	76.352	TRUE	6.91E-18
Allergic asthma	IGF2R	cg03634777	rs662138	G	C	0.288	0.031	0.195	4.26E-20	-0.033	0.019	0.085	0.022	84.249	TRUE	7.00E-19
Allergic asthma	IGF2R	cg05291059	rs7746102	C	T	0.172	0.030	0.228	1.31E-08	-0.019	0.016	0.228	0.009	32.303	TRUE	3.98E-08
Allergic asthma	IGF2R	cg06180108	rs3737088	T	C	-0.381	0.060	0.048	2.74E-10	0.060	0.042	0.150	0.011	39.832	TRUE	1.17E-09
Allergic asthma	IGF2R	cg10512472	rs138112329	A	G	0.272	0.044	0.086	5.79E-10	-0.022	0.032	0.486	0.010	38.370	TRUE	1.39E-09
Allergic asthma	IGF2R	cg10512472	rs3777392	T	C	-0.232	0.041	0.106	1.45E-08	0.023	0.017	0.168	0.009	32.102	TRUE	4.92E-08
Allergic asthma	IGF2R	cg10512472	rs3798207	G	A	-0.231	0.036	0.147	1.49E-10	0.021	0.015	0.153	0.011	41.017	TRUE	6.50E-10
Allergic asthma	IGF2R	cg10512472	rs609043	C	T	-0.227	0.030	0.234	2.19E-14	-0.031	0.017	0.058	0.016	58.324	TRUE	2.17E-13
Allergic asthma	IGF2R	cg10512472	rs707771	T	C	0.187	0.026	0.394	2.68E-13	-0.033	0.014	0.023	0.014	53.402	TRUE	3.18E-12
Allergic asthma	IGF2R	cg10512472	rs791198	T	C	0.193	0.027	0.341	7.61E-13	-0.026	0.016	0.096	0.014	51.352	TRUE	5.17E-12
Allergic asthma	IGF2R	cg10512472	rs806383	T	C	0.155	0.026	0.328	4.82E-09	0.007	0.015	0.655	0.009	34.241	TRUE	9.04E-09
Allergic asthma	IGF2R	cg10512472	rs8191824	A	G	0.311	0.046	0.074	1.50E-11	0.041	0.029	0.162	0.012	45.512	TRUE	7.09E-11
Allergic asthma	IGF2R	cg10512472	rs9346805	T	C	0.249	0.038	0.131	4.50E-11	0.003	0.021	0.890	0.012	43.361	TRUE	7.58E-11
Allergic asthma	IGF2R	cg10512472	rs9347380	A	G	0.193	0.028	0.287	5.11E-12	-0.015	0.016	0.326	0.013	47.618	TRUE	1.81E-11
Allergic asthma	IGF2R	cg10512472	rs998075	G	A	-0.601	0.025	0.463	1.48E-129	0.020	0.014	0.151	0.137	586.142	TRUE	8.26E-120
Allergic asthma	IGF2R	cg12754982	rs10806724	C	T	0.290	0.027	0.343	3.76E-27	-0.004	0.014	0.754	0.031	116.401	TRUE	2.43E-26
Allergic asthma	IGF2R	cg12754982	rs12209517	G	C	0.234	0.038	0.132	5.30E-10	-0.022	0.021	0.294	0.010	38.544	TRUE	1.65E-09
Allergic asthma	IGF2R	cg12754982	rs57570593	G	T	-0.380	0.032	0.184	1.53E-32	-0.015	0.017	0.371	0.037	141.022	TRUE	3.65E-31
Allergic asthma	IGF2R	cg12754982	rs614890	T	G	0.193	0.026	0.400	1.23E-13	0.008	0.014	0.580	0.015	54.933	TRUE	3.47E-13

Allergic asthma	IGF2R	cg12754982	rs8191835	G	A	0.251	0.036	0.151	2.62E-12	-0.029	0.019	0.140	0.013	48.928	TRUE	1.43E-11
Allergic asthma	IGF2R	cg15850155	rs761388	G	A	-0.325	0.039	0.120	9.08E-17	0.020	0.015	0.201	0.018	69.123	TRUE	6.61E-16
Allergic asthma	IGF2R	cg16111231	rs73019670	A	G	-0.455	0.049	0.071	1.58E-20	-0.055	0.027	0.038	0.023	86.215	TRUE	3.98E-19
Allergic asthma	IGF2R	cg17154159	rs10945649	A	T	0.294	0.038	0.131	5.88E-15	0.002	0.021	0.910	0.016	60.907	TRUE	1.22E-14
Allergic asthma	IGF2R	cg18189591	rs220726	A	T	0.197	0.030	0.224	9.13E-11	0.003	0.014	0.838	0.011	41.976	TRUE	1.59E-10
Allergic asthma	IGF2R	cg18189591	rs57570593	G	T	-0.215	0.032	0.184	2.33E-11	-0.015	0.017	0.371	0.012	44.644	TRUE	7.29E-11
Allergic asthma	IGF2R	cg19166759	rs187704522	C	T	-0.520	0.069	0.034	5.33E-14	-0.057	0.048	0.233	0.015	56.574	TRUE	2.72E-13
Allergic asthma	IGF2R	cg19166759	rs461473	A	G	-0.270	0.044	0.087	5.90E-10	0.003	0.025	0.916	0.010	38.335	TRUE	9.12E-10
Allergic asthma	IGF2R	cg25484127	rs7746102	C	T	0.253	0.030	0.228	5.22E-17	-0.019	0.016	0.228	0.019	70.215	TRUE	3.63E-16
Allergic asthma	IGF2R	cg25754852	rs662138	G	C	0.227	0.031	0.195	5.06E-13	-0.033	0.019	0.085	0.014	52.154	TRUE	3.67E-12
Allergic asthma	IGF2R	cg25754852	rs9456496	G	A	0.218	0.040	0.116	4.29E-08	0.007	0.030	0.820	0.008	29.997	TRUE	6.54E-08
Allergic asthma	IL10RA	cg00467529	rs2282493	T	C	-0.349	0.050	0.049	4.20E-12	0.039	0.029	0.167	0.013	48.003	TRUE	2.08E-11
Allergic asthma	IL10RA	cg01697865	rs2228054	A	G	0.302	0.052	0.049	5.91E-09	0.033	0.029	0.258	0.009	33.846	TRUE	1.77E-08
Allergic asthma	IL10RA	cg07540983	rs4252253	A	C	-0.199	0.031	0.169	2.00E-10	-0.002	0.017	0.899	0.011	40.443	TRUE	3.23E-10
Allergic asthma	IL10RA	cg10145584	rs624931	C	T	-0.163	0.028	0.227	8.18E-09	-0.022	0.017	0.193	0.009	33.214	TRUE	2.71E-08
Allergic asthma	IL10RA	cg26661481	rs11216669	T	C	0.367	0.049	0.053	5.48E-14	0.064	0.026	0.015	0.015	56.519	TRUE	8.20E-13
Allergic asthma	IL1A	cg23407561	rs11676014	A	G	0.165	0.023	0.437	1.37E-12	0.021	0.014	0.112	0.013	50.202	TRUE	8.45E-12
Allergic asthma	IL1A	cg23974023	rs3783520	T	C	-0.272	0.025	0.302	1.09E-26	-0.034	0.014	0.018	0.030	114.299	TRUE	8.54E-25
Allergic asthma	IL1A	cg23974023	rs3811042	A	G	0.151	0.024	0.434	3.06E-10	0.009	0.014	0.520	0.011	39.615	TRUE	7.20E-10
Allergic asthma	IL1A	cg23974023	rs7567467	T	G	0.216	0.036	0.124	1.26E-09	0.026	0.023	0.258	0.010	36.861	TRUE	4.00E-09
Allergic asthma	IL1A	cg27083787	rs4251972	A	G	-0.213	0.037	0.252	6.66E-09	-0.002	0.015	0.907	0.009	33.612	TRUE	9.83E-09
Allergic asthma	IL1A	cg27368523	rs3827763	A	G	0.140	0.025	0.315	3.86E-08	-0.003	0.015	0.832	0.008	30.202	TRUE	5.84E-08
Allergic asthma	IL1A	cg27368523	rs6746923	A	G	0.213	0.024	0.392	8.04E-19	0.020	0.015	0.188	0.021	78.447	TRUE	7.52E-18
Allergic asthma	IL1B	cg02596281	rs11677043	A	G	0.184	0.023	0.441	2.81E-15	-0.021	0.014	0.123	0.017	62.364	TRUE	2.24E-14
Allergic asthma	IL1B	cg02596281	rs12466269	T	C	0.175	0.031	0.165	1.85E-08	0.012	0.018	0.528	0.008	31.626	TRUE	3.78E-08
Allergic asthma	IL1B	cg02596281	rs12621220	T	C	-0.515	0.026	0.279	2.08E-90	0.020	0.014	0.170	0.099	406.317	TRUE	1.08E-84
Allergic asthma	IL1B	cg02596281	rs1867830	C	T	-0.199	0.024	0.431	2.74E-17	-0.025	0.014	0.062	0.019	71.482	TRUE	3.76E-16
Allergic asthma	IL1B	cg02596281	rs3136558	G	A	0.167	0.028	0.218	3.83E-09	-0.028	0.015	0.064	0.009	34.690	TRUE	1.92E-08
Allergic asthma	IL1B	cg02596281	rs6716046	C	T	0.170	0.027	0.244	5.79E-10	0.008	0.018	0.651	0.010	38.370	TRUE	1.16E-09
Allergic asthma	IL1B	cg07935264	rs12469600	C	T	0.163	0.026	0.263	7.50E-10	-0.047	0.015	0.002	0.010	37.866	TRUE	9.92E-09
Allergic asthma	IL1B	cg15836722	rs10169916	T	G	-0.378	0.024	0.341	2.52E-54	0.010	0.014	0.452	0.061	240.760	TRUE	7.15E-52
Allergic asthma	IL1B	cg15836722	rs11680809	C	A	0.155	0.024	0.426	7.54E-11	0.024	0.014	0.098	0.011	42.351	TRUE	4.03E-10
Allergic asthma	IL1B	cg15836722	rs11695148	G	A	-0.168	0.028	0.219	1.84E-09	-0.019	0.015	0.201	0.010	36.120	TRUE	6.40E-09
Allergic asthma	IL1B	cg18635064	rs112536764	T	G	-0.814	0.135	0.012	1.64E-09	0.003	0.042	0.950	0.010	36.346	TRUE	2.40E-09
Allergic asthma	IL1B	cg18635064	rs113327394	A	G	-0.519	0.085	0.020	1.04E-09	-0.058	0.093	0.533	0.010	37.232	TRUE	2.31E-09
Allergic asthma	IL1B	cg18635064	rs1143629	G	A	-0.830	0.021	0.344	<1E-200	0.010	0.014	0.469	0.288	1495.755	TRUE	1.84E-285
Allergic asthma	IL1B	cg18635064	rs1143642	A	G	0.240	0.043	0.074	2.80E-08	-0.023	0.028	0.403	0.008	30.827	TRUE	6.45E-08
Allergic asthma	IL1B	cg18635064	rs116472363	T	G	-0.679	0.103	0.012	3.62E-11	-0.106	0.106	0.319	0.012	43.783	TRUE	1.21E-10
Allergic asthma	IL1B	cg18635064	rs11695148	G	A	-0.444	0.028	0.219	3.28E-58	-0.019	0.015	0.201	0.065	258.571	TRUE	4.33E-55
Allergic asthma	IL1B	cg18635064	rs13032036	G	C	-0.316	0.046	0.072	5.67E-12	0.013	0.027	0.626	0.013	47.416	TRUE	1.34E-11
Allergic asthma	IL1B	cg18635064	rs13386602	A	C	0.282	0.023	0.442	6.54E-34	-0.021	0.014	0.122	0.038	147.283	TRUE	4.52E-32
Allergic asthma	IL1B	cg18635064	rs1446245	G	A	-0.133	0.024	0.437	1.75E-08	-0.001	0.014	0.942	0.009	31.742	TRUE	2.45E-08

Allergic asthma	IL1B	cg18635064	rs147776060	A	G	0.258	0.045	0.074	7.58E-09	-0.011	0.027	0.694	0.009	33.362	TRUE	1.35E-08
Allergic asthma	IL1B	cg18635064	rs1562305	A	G	0.318	0.028	0.218	4.33E-29	0.007	0.015	0.636	0.033	125.255	TRUE	4.10E-28
Allergic asthma	IL1B	cg18635064	rs3087271	C	A	-0.300	0.026	0.271	1.16E-31	-0.004	0.016	0.805	0.036	137.009	TRUE	1.03E-30
Allergic asthma	IL1B	cg18635064	rs3811050	T	C	0.217	0.033	0.143	6.80E-11	0.001	0.021	0.956	0.011	42.553	TRUE	1.06E-10
Allergic asthma	IL1B	cg18635064	rs3816331	A	G	0.198	0.024	0.480	5.06E-17	0.005	0.014	0.694	0.019	70.275	TRUE	1.58E-16
Allergic asthma	IL1B	cg18635064	rs3917382	A	G	-0.443	0.078	0.022	1.17E-08	-0.048	0.059	0.415	0.009	32.523	TRUE	2.74E-08
Allergic asthma	IL1B	cg18635064	rs41294734	C	T	-0.659	0.093	0.013	1.23E-12	-0.030	0.042	0.476	0.013	50.410	TRUE	3.68E-12
Allergic asthma	IL1B	cg18635064	rs56158873	T	G	-0.273	0.041	0.091	2.12E-11	-0.005	0.017	0.761	0.012	44.831	TRUE	4.16E-11
Allergic asthma	IL1B	cg18635064	rs57033895	G	T	-0.156	0.024	0.415	9.17E-11	0.019	0.014	0.174	0.011	41.968	TRUE	3.88E-10
Allergic asthma	IL1B	cg18635064	rs7584409	G	A	0.215	0.025	0.299	2.87E-17	0.020	0.016	0.231	0.019	71.396	TRUE	2.03E-16
Allergic asthma	IL1B	cg18635064	rs76303995	T	C	0.338	0.029	0.207	5.70E-32	-0.037	0.016	0.026	0.036	138.411	TRUE	7.82E-30
Allergic asthma	IL1B	cg18635064	rs79849714	G	A	0.310	0.046	0.070	1.47E-11	-0.048	0.018	0.008	0.012	45.551	TRUE	1.88E-10
Allergic asthma	IL1B	cg18635064	rs874898	C	G	-0.213	0.027	0.241	2.15E-15	0.003	0.014	0.808	0.017	62.888	TRUE	5.18E-15
Allergic asthma	IL1B	cg18635064	rs908551	T	C	-0.391	0.023	0.472	1.96E-64	0.009	0.014	0.513	0.072	287.106	TRUE	2.05E-61
Allergic asthma	IL1B	cg18773937	rs2466446	C	A	-0.217	0.025	0.329	1.80E-18	0.012	0.014	0.385	0.020	76.855	TRUE	1.02E-17
Allergic asthma	IL1B	cg23149881	rs1143627	G	A	-0.194	0.025	0.342	3.64E-15	0.010	0.014	0.449	0.016	61.850	TRUE	1.40E-14
Allergic asthma	IL4R	cg01165142	rs2057768	T	C	0.144	0.025	0.311	1.23E-08	0.091	0.015	1.94E-09	0.009	32.418	TRUE	8.06E-07
Allergic asthma	IL4R	cg26937798	rs12445654	A	G	-0.241	0.043	0.076	2.69E-08	-0.014	0.022	0.534	0.008	30.906	TRUE	5.38E-08
Allergic asthma	IL4R	cg26937798	rs1805012	C	T	-0.264	0.038	0.100	2.88E-12	-0.060	0.022	0.007	0.013	48.743	TRUE	4.18E-11
Allergic asthma	IL4R	cg26937798	rs6498011	A	G	0.427	0.023	0.402	2.52E-74	0.082	0.014	4.86E-09	0.082	332.487	TRUE	6.29E-66
Allergic asthma	IL4R	cg26937798	rs8044444	T	C	-0.471	0.032	0.147	3.86E-48	-0.016	0.022	0.463	0.054	212.413	TRUE	4.61E-46
Allergic asthma	IL6	cg00087425	rs2905333	A	G	-0.131	0.024	0.383	3.23E-08	0.039	0.014	0.004	0.008	30.548	TRUE	2.72E-07
Allergic asthma	IL6	cg01770232	rs1524107	T	C	1.308	0.057	0.041	3.04E-116	0.036	0.039	0.361	0.124	524.972	TRUE	1.51E-108
Allergic asthma	IL6	cg01770232	rs59084784	A	C	0.228	0.025	0.336	6.48E-20	0.045	0.014	0.002	0.022	83.421	TRUE	4.53E-18
Allergic asthma	IL6	cg01770232	rs6461665	A	G	0.193	0.025	0.289	3.67E-14	0.052	0.017	0.002	0.015	57.308	TRUE	1.02E-12
Allergic asthma	IL6	cg01770232	rs7787688	T	C	0.148	0.024	0.406	8.46E-10	0.058	0.014	3.74E-05	0.010	37.630	TRUE	2.25E-08
Allergic asthma	IL6	cg02335517	rs73276350	G	A	0.419	0.059	0.042	8.09E-13	0.039	0.039	0.320	0.014	51.232	TRUE	3.12E-12
Allergic asthma	IL6	cg05265849	rs10229508	A	G	-0.194	0.029	0.214	1.24E-11	-0.037	0.016	0.023	0.012	45.877	TRUE	1.18E-10
Allergic asthma	IL6	cg05265849	rs10261653	A	C	0.380	0.034	0.142	1.24E-29	0.040	0.020	0.048	0.033	127.729	TRUE	8.90E-28
Allergic asthma	IL6	cg05265849	rs10269926	G	A	0.188	0.024	0.372	1.88E-14	0.034	0.014	0.013	0.016	58.627	TRUE	3.18E-13
Allergic asthma	IL6	cg05265849	rs116941259	T	C	-0.501	0.092	0.019	4.95E-08	0.082	0.164	0.617	0.008	29.721	TRUE	8.98E-08
Allergic asthma	IL6	cg05265849	rs117122223	G	T	-0.345	0.031	0.177	8.37E-29	-0.021	0.016	0.183	0.032	123.947	TRUE	2.35E-27
Allergic asthma	IL6	cg05265849	rs117814509	G	A	0.404	0.063	0.035	1.24E-10	0.089	0.037	0.017	0.011	41.371	TRUE	1.12E-09
Allergic asthma	IL6	cg05265849	rs117841439	T	C	-0.363	0.037	0.111	2.59E-22	-0.014	0.020	0.461	0.025	94.339	TRUE	1.81E-21
Allergic asthma	IL6	cg05265849	rs12700386	G	C	0.368	0.029	0.210	7.59E-38	0.064	0.018	2.93E-04	0.043	165.282	TRUE	1.85E-34
Allergic asthma	IL6	cg05265849	rs150653978	G	C	-0.513	0.062	0.036	2.00E-16	-0.083	0.026	0.001	0.018	67.563	TRUE	8.61E-15
Allergic asthma	IL6	cg05265849	rs17146997	G	A	0.235	0.026	0.297	1.56E-19	-0.007	0.015	0.640	0.022	81.689	TRUE	6.37E-19
Allergic asthma	IL6	cg05265849	rs1800797	A	G	-0.926	0.019	0.416	<1E-200	-0.067	0.013	5.94E-07	0.390	2365.746	TRUE	<1E-200
Allergic asthma	IL6	cg05265849	rs183156925	A	T	0.359	0.045	0.071	1.09E-15	0.020	0.026	0.446	0.017	64.227	TRUE	4.38E-15
Allergic asthma	IL6	cg05265849	rs2905345	A	G	-0.398	0.027	0.256	4.93E-50	-0.024	0.016	0.144	0.056	221.089	TRUE	2.65E-47
Allergic asthma	IL6	cg05265849	rs3094974	G	A	-0.181	0.024	0.368	7.22E-14	-0.019	0.013	0.164	0.015	55.978	TRUE	4.33E-13
Allergic asthma	IL6	cg05265849	rs4722197	T	A	-0.180	0.024	0.379	1.78E-13	0.005	0.014	0.712	0.014	54.209	TRUE	4.21E-13

Allergic asthma	IL6	cg05265849	rs55733027	G	A	-0.509	0.059	0.042	8.68E-18	0.012	0.039	0.749	0.020	73.752	TRUE	2.66E-17
Allergic asthma	IL6	cg05265849	rs56015132	T	G	0.244	0.032	0.154	3.56E-14	-0.024	0.020	0.226	0.015	57.366	TRUE	1.88E-13
Allergic asthma	IL6	cg05265849	rs62449525	T	C	0.435	0.036	0.111	6.99E-33	0.026	0.026	0.319	0.037	142.578	TRUE	1.99E-31
Allergic asthma	IL6	cg05265849	rs71524096	G	C	0.274	0.045	0.073	1.53E-09	-0.006	0.034	0.868	0.010	36.475	TRUE	2.42E-09
Allergic asthma	IL6	cg05265849	rs75378332	T	A	-0.489	0.062	0.043	3.72E-15	-0.025	0.033	0.437	0.016	61.812	TRUE	1.45E-14
Allergic asthma	IL6	cg05265849	rs75902902	C	G	-0.510	0.048	0.059	1.40E-26	0.011	0.020	0.579	0.030	113.790	TRUE	1.17E-25
Allergic asthma	IL6	cg05472934	rs10229508	A	G	-0.175	0.029	0.214	8.84E-10	-0.037	0.016	0.023	0.010	37.544	TRUE	6.45E-09
Allergic asthma	IL6	cg05472934	rs116941259	T	C	-0.602	0.092	0.019	4.93E-11	0.082	0.164	0.617	0.012	43.181	TRUE	1.10E-10
Allergic asthma	IL6	cg05472934	rs117122223	G	T	-0.280	0.031	0.177	2.02E-19	-0.021	0.016	0.183	0.021	81.178	TRUE	2.04E-18
Allergic asthma	IL6	cg05472934	rs11768563	G	A	0.197	0.028	0.221	3.59E-12	0.003	0.016	0.831	0.013	48.313	TRUE	6.85E-12
Allergic asthma	IL6	cg05472934	rs2069861	T	C	-0.570	0.058	0.085	7.35E-23	-0.045	0.025	0.077	0.026	96.831	TRUE	1.77E-21
Allergic asthma	IL6	cg05472934	rs2905322	A	C	0.160	0.027	0.272	1.74E-09	0.020	0.015	0.195	0.010	36.223	TRUE	6.16E-09
Allergic asthma	IL6	cg05472934	rs2905345	A	G	-0.267	0.027	0.256	5.12E-23	-0.024	0.016	0.144	0.026	97.549	TRUE	8.79E-22
Allergic asthma	IL6	cg05472934	rs377767225	A	G	-0.282	0.036	0.121	2.25E-15	-0.032	0.018	0.080	0.017	62.802	TRUE	2.20E-14
Allergic asthma	IL6	cg05472934	rs4310110	C	T	0.280	0.044	0.153	2.33E-10	-0.061	0.024	0.012	0.011	40.144	TRUE	2.19E-09
Allergic asthma	IL6	cg05472934	rs4379365	T	C	0.142	0.026	0.311	3.27E-08	-0.020	0.014	0.165	0.008	30.525	TRUE	1.08E-07
Allergic asthma	IL6	cg05472934	rs55733027	G	A	-0.377	0.059	0.042	1.89E-10	0.012	0.039	0.749	0.011	40.553	TRUE	3.54E-10
Allergic asthma	IL6	cg05472934	rs62449487	C	A	0.233	0.027	0.253	3.64E-18	0.050	0.017	0.004	0.020	75.466	TRUE	1.51E-16
Allergic asthma	IL6	cg05472934	rs62449525	T	C	0.346	0.036	0.111	2.26E-21	0.026	0.026	0.319	0.024	90.057	TRUE	1.93E-20
Allergic asthma	IL6	cg05472934	rs6962836	G	A	0.190	0.033	0.137	1.16E-08	0.038	0.017	0.026	0.009	32.528	TRUE	6.99E-08
Allergic asthma	IL6	cg05472934	rs73274210	G	A	0.440	0.038	0.106	9.93E-31	0.048	0.020	0.018	0.035	132.742	TRUE	1.36E-28
Allergic asthma	IL6	cg05472934	rs75902902	C	G	-0.415	0.048	0.059	4.21E-18	0.011	0.020	0.579	0.020	75.180	TRUE	1.68E-17
Allergic asthma	IL6	cg05472934	rs7779799	T	C	0.337	0.059	0.077	1.06E-08	-0.074	0.026	0.005	0.009	32.711	TRUE	9.44E-08
Allergic asthma	IL6	cg05472934	rs7811929	T	C	0.183	0.024	0.386	3.03E-14	0.036	0.014	0.009	0.015	57.687	TRUE	5.50E-13
Allergic asthma	IL6	cg07998387	rs1524107	T	C	0.620	0.058	0.041	2.22E-26	0.036	0.039	0.361	0.030	112.883	TRUE	2.83E-25
Allergic asthma	IL6	cg07998387	rs35779989	A	C	-0.146	0.023	0.441	4.56E-10	-0.066	0.014	1.39E-06	0.010	38.837	TRUE	2.08E-08
Allergic asthma	IL6	cg13104385	rs10229508	A	G	-0.204	0.029	0.214	9.54E-13	-0.037	0.016	0.023	0.014	50.909	TRUE	1.05E-11
Allergic asthma	IL6	cg13104385	rs10261653	A	C	0.390	0.034	0.142	3.43E-31	0.040	0.020	0.048	0.035	134.851	TRUE	3.02E-29
Allergic asthma	IL6	cg13104385	rs10269926	G	A	0.220	0.024	0.372	2.37E-19	0.034	0.014	0.013	0.021	80.858	TRUE	7.97E-18
Allergic asthma	IL6	cg13104385	rs111372030	A	G	-0.404	0.043	0.078	8.68E-21	0.019	0.019	0.315	0.023	87.395	TRUE	7.08E-20
Allergic asthma	IL6	cg13104385	rs113688526	A	G	-0.277	0.048	0.061	1.12E-08	-0.070	0.023	0.002	0.009	32.596	TRUE	1.18E-07
Allergic asthma	IL6	cg13104385	rs115622312	T	C	0.465	0.032	0.154	8.90E-49	-0.016	0.026	0.554	0.055	215.332	TRUE	9.08E-47
Allergic asthma	IL6	cg13104385	rs117122223	G	T	-0.393	0.031	0.177	4.50E-37	-0.021	0.016	0.183	0.042	161.747	TRUE	3.40E-35
Allergic asthma	IL6	cg13104385	rs117841439	T	C	-0.408	0.037	0.111	6.87E-28	-0.014	0.020	0.461	0.031	119.771	TRUE	8.16E-27
Allergic asthma	IL6	cg13104385	rs117914483	C	T	0.462	0.058	0.049	1.94E-15	0.022	0.027	0.411	0.017	63.094	TRUE	8.06E-15
Allergic asthma	IL6	cg13104385	rs12535219	G	C	0.524	0.029	0.187	2.16E-72	0.050	0.018	0.007	0.080	323.615	TRUE	5.75E-67
Allergic asthma	IL6	cg13104385	rs13238288	G	A	0.342	0.031	0.187	4.54E-29	0.001	0.019	0.967	0.033	125.158	TRUE	2.43E-28
Allergic asthma	IL6	cg13104385	rs1362163	G	A	0.163	0.030	0.179	4.86E-08	0.034	0.020	0.079	0.008	29.755	TRUE	1.98E-07
Allergic asthma	IL6	cg13104385	rs149330927	A	G	-0.567	0.098	0.015	6.93E-09	0.011	0.157	0.946	0.009	33.537	TRUE	9.87E-09
Allergic asthma	IL6	cg13104385	rs150653978	G	C	-0.580	0.062	0.036	1.28E-20	-0.083	0.026	0.001	0.023	86.627	TRUE	1.07E-18
Allergic asthma	IL6	cg13104385	rs1595126	A	G	0.248	0.042	0.093	3.51E-09	0.059	0.019	0.002	0.009	34.860	TRUE	4.10E-08
Allergic asthma	IL6	cg13104385	rs183156925	A	T	0.441	0.045	0.071	5.48E-23	0.020	0.026	0.446	0.026	97.414	TRUE	4.19E-22

Allergic asthma	IL6	cg13104385	rs227917	C	A	0.150	0.027	0.241	2.94E-08	-0.029	0.017	0.090	0.008	30.732	TRUE	1.18E-07
Allergic asthma	IL6	cg13104385	rs2905341	T	C	-0.637	0.104	0.033	7.92E-10	0.021	0.032	0.527	0.010	37.759	TRUE	1.79E-09
Allergic asthma	IL6	cg13104385	rs2905345	A	G	-0.468	0.027	0.256	2.45E-69	-0.024	0.016	0.144	0.077	309.607	TRUE	2.87E-65
Allergic asthma	IL6	cg13104385	rs2905350	C	G	0.355	0.025	0.317	7.72E-46	0.034	0.014	0.018	0.052	201.873	TRUE	1.00E-42
Allergic asthma	IL6	cg13104385	rs3094974	G	A	-0.212	0.024	0.368	1.91E-18	-0.019	0.013	0.164	0.020	76.740	TRUE	1.85E-17
Allergic asthma	IL6	cg13104385	rs34240824	T	C	0.267	0.027	0.278	8.57E-24	-0.019	0.015	0.209	0.027	101.084	TRUE	1.26E-22
Allergic asthma	IL6	cg13104385	rs55733027	G	A	-0.595	0.059	0.042	7.84E-24	0.012	0.039	0.749	0.027	101.261	TRUE	3.85E-23
Allergic asthma	IL6	cg13104385	rs6962836	G	A	0.242	0.033	0.137	3.55E-13	0.038	0.017	0.026	0.014	52.849	TRUE	3.99E-12
Allergic asthma	IL6	cg13104385	rs75378332	T	A	-0.557	0.062	0.043	2.86E-19	-0.025	0.033	0.437	0.021	80.492	TRUE	1.59E-18
Allergic asthma	IL6	cg13104385	rs7776857	G	T	-0.860	0.021	0.347	<1E-200	-0.040	0.014	0.004	0.311	1667.117	TRUE	<1E-200
Allergic asthma	IL6	cg13104385	rs7782981	T	C	0.199	0.027	0.260	2.73E-13	0.009	0.018	0.630	0.014	53.368	TRUE	7.04E-13
Allergic asthma	IL6	cg13104385	rs78578221	C	T	0.353	0.065	0.033	4.63E-08	-0.019	0.044	0.668	0.008	29.851	TRUE	8.03E-08
Allergic asthma	IL6	cg15703690	rs2905333	A	G	-0.250	0.024	0.383	1.01E-25	0.039	0.014	0.004	0.029	109.878	TRUE	1.26E-23
Allergic asthma	IL6	cg15703690	rs34680848	A	G	0.157	0.024	0.482	2.40E-11	-0.037	0.014	0.008	0.012	44.592	TRUE	2.97E-10
Allergic asthma	IL6	cg17067544	rs11766273	A	G	-0.285	0.044	0.072	1.10E-10	-0.008	0.018	0.649	0.011	41.604	TRUE	2.33E-10
Allergic asthma	IL6	cg26061582	rs113952113	A	G	0.182	0.029	0.209	1.77E-10	0.010	0.018	0.552	0.011	40.682	TRUE	4.09E-10
Allergic asthma	IL6	cg26061582	rs117122223	G	T	-0.211	0.031	0.177	1.28E-11	-0.021	0.016	0.183	0.012	45.824	TRUE	5.78E-11
Allergic asthma	IL6	cg26061582	rs117841439	T	C	-0.248	0.037	0.111	3.26E-11	-0.014	0.020	0.461	0.012	43.992	TRUE	8.88E-11
Allergic asthma	IL6	cg26061582	rs1524107	T	C	1.141	0.057	0.041	1.14E-87	0.036	0.039	0.361	0.096	393.745	TRUE	1.19E-82
Allergic asthma	IL6	cg26061582	rs1800797	A	G	-0.619	0.023	0.416	2.31E-165	-0.067	0.013	5.94E-07	0.169	750.701	TRUE	2.11E-146
Allergic asthma	IL6	cg26061582	rs2905345	A	G	-0.275	0.027	0.256	1.39E-24	-0.024	0.016	0.144	0.028	104.691	TRUE	2.84E-23
Allergic asthma	IL6	cg26061582	rs2961286	T	G	0.202	0.026	0.273	1.50E-14	0.023	0.015	0.126	0.016	59.068	TRUE	1.09E-13
Allergic asthma	IL6	cg26061582	rs62449525	T	C	0.330	0.036	0.111	1.42E-19	0.026	0.026	0.319	0.022	81.868	TRUE	1.02E-18
Allergic asthma	IL6	cg26061582	rs75378332	T	A	-0.366	0.062	0.043	3.86E-09	-0.025	0.033	0.437	0.009	34.676	TRUE	9.17E-09
Allergic asthma	IL6	cg26061582	rs75902902	C	G	-0.303	0.048	0.059	2.52E-10	0.011	0.020	0.579	0.011	39.991	TRUE	5.59E-10
Allergic asthma	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	0.001	0.014	0.926	0.031	118.669	TRUE	6.09E-27
Allergic asthma	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	-0.032	0.016	0.042	0.057	224.451	TRUE	1.45E-47
Allergic asthma	INF2	cg02305961	rs61758556	T	A	0.219	0.036	0.142	1.25E-09	-0.034	0.018	0.055	0.010	36.873	TRUE	6.99E-09
Allergic asthma	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	-0.019	0.017	0.285	0.034	131.224	TRUE	5.09E-29
Allergic asthma	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	-0.020	0.017	0.238	0.013	48.825	TRUE	1.18E-11
Allergic asthma	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	0.001	0.014	0.963	0.008	31.282	TRUE	3.03E-08
Allergic asthma	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	-0.018	0.014	0.204	0.021	79.141	TRUE	5.11E-18
Allergic asthma	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	-0.019	0.014	0.152	0.094	383.550	TRUE	4.14E-80
Allergic asthma	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	0.001	0.014	0.926	0.018	68.785	TRUE	2.45E-16
Allergic asthma	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	0.002	0.015	0.917	0.017	62.938	TRUE	4.43E-15
Allergic asthma	INF2	cg04573078	rs2498802	C	G	0.190	0.025	0.337	1.33E-14	-0.013	0.014	0.338	0.016	59.301	TRUE	5.83E-14
Allergic asthma	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	0.008	0.014	0.545	0.084	340.911	TRUE	2.36E-72
Allergic asthma	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.023	0.020	0.248	0.010	37.644	TRUE	2.77E-09
Allergic asthma	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	-0.035	0.016	0.025	0.022	84.464	TRUE	1.10E-18
Allergic asthma	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	-0.035	0.016	0.025	0.023	87.021	TRUE	3.23E-19
Allergic asthma	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	0.020	0.020	0.329	0.028	107.959	TRUE	3.29E-24
Allergic asthma	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	-0.019	0.018	0.275	0.010	35.564	TRUE	7.37E-09

Allergic asthma	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	0.014	0.014	0.309	0.071	282.331	TRUE	3.91E-60
Allergic asthma	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	-0.055	0.030	0.062	0.093	377.804	TRUE	1.52E-78
Allergic asthma	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	-0.019	0.018	0.275	0.011	39.333	TRUE	1.15E-09
Allergic asthma	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	0.014	0.014	0.309	0.087	352.114	TRUE	3.20E-74
Allergic asthma	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	-0.055	0.030	0.062	0.121	508.213	TRUE	3.30E-104
Allergic asthma	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	0.001	0.014	0.926	0.011	39.846	TRUE	4.24E-10
Allergic asthma	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	-0.005	0.026	0.859	0.010	37.103	TRUE	1.78E-09
Allergic asthma	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	0.007	0.020	0.722	0.085	345.647	TRUE	1.54E-73
Allergic asthma	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	-0.021	0.022	0.329	0.019	71.597	TRUE	1.48E-16
Allergic asthma	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	-0.080	0.034	0.018	0.031	116.484	TRUE	3.08E-25
Allergic asthma	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	-0.013	0.015	0.395	0.202	937.870	TRUE	9.01E-187
Allergic asthma	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	-0.025	0.022	0.252	0.016	58.649	TRUE	9.49E-14
Allergic asthma	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	-0.008	0.018	0.653	0.012	44.800	TRUE	4.75E-11
Allergic asthma	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	-0.013	0.015	0.395	0.023	85.568	TRUE	1.45E-19
Allergic asthma	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.023	0.020	0.248	0.010	36.206	TRUE	5.62E-09
Allergic asthma	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	-0.020	0.017	0.238	0.010	39.191	TRUE	1.32E-09
Allergic asthma	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	0.062	0.121	0.607	0.029	110.722	TRUE	4.91E-25
Allergic asthma	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	-0.025	0.016	0.111	0.053	207.549	TRUE	1.95E-44
Allergic asthma	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	-0.056	0.030	0.060	0.100	409.893	TRUE	6.89E-85
Allergic asthma	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	0.002	0.014	0.870	0.023	85.476	TRUE	7.20E-20
Allergic asthma	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	0.002	0.015	0.894	0.032	123.422	TRUE	6.38E-28
Allergic asthma	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	-0.025	0.016	0.111	0.025	95.952	TRUE	2.20E-21
Allergic asthma	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	-0.009	0.020	0.672	0.014	53.866	TRUE	5.23E-13
Allergic asthma	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	0.015	0.020	0.474	0.008	30.317	TRUE	7.68E-08
Allergic asthma	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	-0.024	0.022	0.274	0.008	31.064	TRUE	6.80E-08
Allergic asthma	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	-0.054	0.030	0.068	0.044	168.731	TRUE	2.57E-36
Allergic asthma	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	0.014	0.014	0.309	0.055	215.354	TRUE	1.86E-46
Allergic asthma	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	-0.011	0.014	0.427	0.010	37.466	TRUE	2.33E-09
Allergic asthma	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	-0.020	0.017	0.238	0.009	33.252	TRUE	2.45E-08
Allergic asthma	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	0.018	0.014	0.204	0.062	243.465	TRUE	5.10E-52
Allergic asthma	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	-0.055	0.030	0.062	0.083	336.852	TRUE	2.23E-70
Allergic asthma	ING5	cg03108703	rs143076111	C	A	-0.934	0.052	0.118	1.07E-71	-0.022	0.018	0.223	0.080	320.428	TRUE	1.15E-67
Allergic asthma	ING5	cg03108703	rs184401988	G	T	-0.755	0.133	0.017	1.27E-08	-0.050	0.060	0.399	0.009	32.356	TRUE	3.03E-08
Allergic asthma	ING5	cg03979788	rs1133811	A	G	0.980	0.025	0.426	<1E-200	-0.025	0.014	0.069	0.287	1491.662	TRUE	9.78E-283
Allergic asthma	ING5	cg03979788	rs11691199	A	G	0.155	0.026	0.299	2.47E-09	-0.018	0.014	0.198	0.010	35.542	TRUE	8.56E-09
Allergic asthma	ING5	cg03979788	rs142081672	A	G	0.542	0.085	0.043	2.07E-10	-0.021	0.028	0.445	0.011	40.375	TRUE	5.41E-10
Allergic asthma	ING5	cg03979788	rs142497237	T	C	-0.350	0.061	0.043	1.07E-08	0.021	0.049	0.672	0.009	32.688	TRUE	1.93E-08
Allergic asthma	ING5	cg03979788	rs142718122	C	T	-0.544	0.084	0.045	8.78E-11	-0.034	0.057	0.549	0.011	42.054	TRUE	2.08E-10
Allergic asthma	ING5	cg03979788	rs1444997	T	C	-0.221	0.032	0.164	2.51E-12	0.005	0.020	0.818	0.013	49.015	TRUE	4.90E-12
Allergic asthma	ING5	cg03979788	rs34106717	A	G	0.265	0.025	0.301	1.05E-25	0.014	0.014	0.335	0.029	109.795	TRUE	1.34E-24
Allergic asthma	ING5	cg03979788	rs34691302	T	C	0.343	0.039	0.091	1.47E-18	-0.010	0.032	0.756	0.020	77.250	TRUE	4.75E-18
Allergic asthma	ING5	cg03979788	rs35145466	A	G	-0.423	0.045	0.091	6.40E-21	0.049	0.023	0.031	0.023	87.998	TRUE	1.85E-19

Allergic asthma	ING5	cg03979788	rs4234096	C	T	0.311	0.034	0.430	1.45E-19	-0.068	0.014	1.07E-06	0.022	81.830	TRUE	5.72E-17
Allergic asthma	ING5	cg03979788	rs62186372	G	C	0.268	0.039	0.094	5.87E-12	-0.003	0.020	0.867	0.013	47.347	TRUE	1.07E-11
Allergic asthma	ING5	cg03979788	rs62190317	T	C	0.630	0.074	0.059	1.23E-17	-0.005	0.031	0.879	0.019	73.059	TRUE	3.16E-17
Allergic asthma	ING5	cg03979788	rs7369610	A	G	-0.617	0.055	0.098	8.23E-29	-0.035	0.023	0.121	0.032	123.979	TRUE	3.08E-27
Allergic asthma	ING5	cg03979788	rs7420166	A	G	0.352	0.027	0.243	5.19E-39	-0.010	0.016	0.518	0.044	170.614	TRUE	1.77E-37
Allergic asthma	ING5	cg03979788	rs7566006	C	G	0.178	0.029	0.193	1.67E-09	0.009	0.018	0.611	0.010	36.302	TRUE	3.38E-09
Allergic asthma	ING5	cg03979788	rs7570624	A	G	0.161	0.023	0.467	6.90E-12	-0.041	0.014	0.004	0.013	47.032	TRUE	1.10E-10
Allergic asthma	ING5	cg03979788	rs886810	A	C	-0.198	0.024	0.376	2.25E-16	-0.015	0.014	0.298	0.018	67.330	TRUE	1.25E-15
Allergic asthma	ING5	cg04122744	rs34151918	G	T	-0.274	0.035	0.495	2.33E-15	-0.034	0.014	0.013	0.017	62.729	TRUE	4.50E-14
Allergic asthma	ING5	cg04122744	rs36147544	T	C	0.404	0.055	0.117	1.43E-13	-0.021	0.018	0.239	0.015	54.630	TRUE	6.93E-13
Allergic asthma	ING5	cg11463903	rs10933538	A	G	-0.225	0.025	0.354	7.09E-20	-0.007	0.015	0.659	0.022	83.244	TRUE	2.90E-19
Allergic asthma	ING5	cg11463903	rs12617994	T	C	-0.233	0.026	0.271	4.75E-19	0.054	0.016	9.95E-04	0.021	79.486	TRUE	3.44E-17
Allergic asthma	ING5	cg11463903	rs13408032	T	C	-0.260	0.047	0.128	4.47E-08	0.033	0.017	0.048	0.008	29.917	TRUE	2.11E-07
Allergic asthma	ING5	cg11463903	rs142704390	C	G	-0.585	0.102	0.025	8.66E-09	0.081	0.029	0.006	0.009	33.104	TRUE	7.64E-08
Allergic asthma	ING5	cg11463903	rs142718122	C	T	-0.520	0.084	0.045	5.74E-10	-0.034	0.057	0.549	0.010	38.389	TRUE	1.28E-09
Allergic asthma	ING5	cg11463903	rs144303868	C	G	-0.411	0.061	0.043	1.32E-11	0.009	0.049	0.855	0.012	45.763	TRUE	2.38E-11
Allergic asthma	ING5	cg11463903	rs147108370	G	A	-0.485	0.068	0.034	9.63E-13	0.035	0.034	0.295	0.014	50.891	TRUE	3.85E-12
Allergic asthma	ING5	cg11463903	rs34214302	G	A	0.408	0.055	0.114	1.04E-13	-0.009	0.022	0.694	0.015	55.253	TRUE	2.57E-13
Allergic asthma	ING5	cg11463903	rs34767573	C	G	0.396	0.057	0.045	3.41E-12	-0.008	0.041	0.842	0.013	48.411	TRUE	6.45E-12
Allergic asthma	ING5	cg11463903	rs55729724	G	A	-0.185	0.028	0.237	2.75E-11	-0.014	0.018	0.426	0.012	44.324	TRUE	7.89E-11
Allergic asthma	ING5	cg11463903	rs62191280	C	G	0.386	0.047	0.155	2.07E-16	-0.022	0.018	0.229	0.018	67.494	TRUE	1.35E-15
Allergic asthma	ING5	cg11463903	rs62192043	A	G	0.214	0.027	0.246	2.72E-15	-0.120	0.016	3.02E-13	0.017	62.422	TRUE	3.43E-12
Allergic asthma	ING5	cg11463903	rs6741587	A	C	-0.284	0.028	0.225	1.96E-24	0.013	0.016	0.440	0.027	104.011	TRUE	1.74E-23
Allergic asthma	ING5	cg11463903	rs6747920	A	G	-0.521	0.058	0.091	2.16E-19	-0.032	0.024	0.182	0.021	81.039	TRUE	2.18E-18
Allergic asthma	ING5	cg11463903	rs73123528	G	A	0.361	0.027	0.244	8.50E-41	-0.015	0.014	0.293	0.046	178.787	TRUE	6.70E-39
Allergic asthma	ING5	cg11463903	rs7566006	C	G	0.212	0.029	0.193	5.40E-13	0.009	0.018	0.611	0.014	52.025	TRUE	1.40E-12
Allergic asthma	ING5	cg13140981	rs184401988	G	T	-0.756	0.133	0.017	1.23E-08	-0.050	0.060	0.399	0.009	32.414	TRUE	2.95E-08
Allergic asthma	ING5	cg13140981	rs35249316	G	A	0.260	0.035	0.391	8.74E-14	-0.024	0.014	0.086	0.015	55.602	TRUE	6.90E-13
Allergic asthma	ING5	cg13140981	rs62193476	A	G	-0.278	0.036	0.354	6.21E-15	0.006	0.014	0.690	0.016	60.801	TRUE	1.68E-14
Allergic asthma	ING5	cg13140981	rs72484056	A	G	-1.038	0.052	0.115	2.21E-87	-0.013	0.017	0.444	0.096	392.422	TRUE	1.56E-82
Allergic asthma	ING5	cg13262212	rs138826996	T	C	-1.690	0.139	0.014	3.75E-34	0.155	0.199	0.437	0.039	148.390	TRUE	9.01E-33
Allergic asthma	ING5	cg13262212	rs141941174	A	G	-0.688	0.112	0.018	7.15E-10	-0.093	0.120	0.441	0.010	37.959	TRUE	1.80E-09
Allergic asthma	ING5	cg14409746	rs111942358	C	G	0.208	0.033	0.150	3.61E-10	0.034	0.017	0.046	0.011	39.291	TRUE	2.28E-09
Allergic asthma	ING5	cg14409746	rs7369408	A	G	-0.153	0.028	0.221	3.14E-08	-0.047	0.018	0.009	0.008	30.601	TRUE	2.26E-07
Allergic asthma	ING5	cg15141204	rs4428044	C	A	-0.248	0.034	0.446	3.33E-13	-0.024	0.014	0.081	0.014	52.973	TRUE	2.52E-12
Allergic asthma	ING5	cg17530031	rs138807997	G	A	0.601	0.085	0.043	2.10E-12	0.051	0.042	0.225	0.013	49.361	TRUE	9.35E-12
Allergic asthma	ING5	cg17530031	rs145676805	A	G	0.451	0.070	0.034	1.17E-10	0.052	0.031	0.093	0.011	41.493	TRUE	6.22E-10
Allergic asthma	ING5	cg17530031	rs147476185	T	A	0.314	0.049	0.058	1.34E-10	0.016	0.027	0.555	0.011	41.230	TRUE	3.10E-10
Allergic asthma	ING5	cg17530031	rs4234096	C	T	-0.315	0.034	0.430	5.75E-20	-0.068	0.014	1.07E-06	0.022	83.658	TRUE	2.47E-17
Allergic asthma	ING5	cg17530031	rs4675796	T	C	0.507	0.051	0.127	2.09E-23	0.007	0.017	0.700	0.026	99.323	TRUE	1.07E-22
Allergic asthma	ING5	cg17530031	rs55729724	G	A	0.161	0.028	0.237	8.10E-09	-0.014	0.018	0.426	0.009	33.233	TRUE	1.90E-08
Allergic asthma	ING5	cg17530031	rs62186372	G	C	-0.265	0.039	0.094	1.15E-11	-0.003	0.020	0.867	0.012	46.026	TRUE	2.06E-11

Allergic asthma	ING5	cg17530031	rs62191280	C	G	-0.423	0.047	0.155	1.79E-19	-0.022	0.018	0.229	0.022	81.415	TRUE	1.59E-18
Allergic asthma	ING5	cg17530031	rs66483305	A	C	-0.264	0.046	0.072	9.06E-09	-0.026	0.030	0.400	0.009	33.015	TRUE	2.19E-08
Allergic asthma	ING5	cg17530031	rs7369610	A	G	0.371	0.056	0.098	3.91E-11	-0.035	0.023	0.121	0.012	43.637	TRUE	1.99E-10
Allergic asthma	ING5	cg17530031	rs7420166	A	G	-0.303	0.027	0.243	7.16E-29	-0.010	0.016	0.518	0.033	124.257	TRUE	8.32E-28
Allergic asthma	ING5	cg17530031	rs7558279	G	A	0.265	0.035	0.346	4.20E-14	0.040	0.015	0.006	0.015	57.043	TRUE	8.31E-13
Allergic asthma	ING5	cg17530031	rs7591047	A	G	-0.861	0.028	0.394	3.72E-212	-0.023	0.014	0.096	0.207	965.817	TRUE	1.18E-190
Allergic asthma	ING5	cg17530031	rs79082577	G	A	0.337	0.056	0.104	1.49E-09	-0.001	0.023	0.955	0.010	36.523	TRUE	2.18E-09
Allergic asthma	ING5	cg20516529	rs112011439	A	T	-1.882	0.134	0.015	7.47E-45	0.151	0.199	0.448	0.051	197.355	TRUE	6.12E-43
Allergic asthma	ING5	cg20516529	rs11676197	T	C	0.178	0.028	0.222	1.83E-10	0.010	0.018	0.587	0.011	40.621	TRUE	4.05E-10
Allergic asthma	ING5	cg20516529	rs35512800	A	G	-0.611	0.052	0.130	2.54E-32	-0.012	0.017	0.479	0.036	140.015	TRUE	4.56E-31
Allergic asthma	ING5	cg20516529	rs4675933	T	C	-0.178	0.025	0.323	1.58E-12	-0.023	0.014	0.096	0.013	49.924	TRUE	1.03E-11
Allergic asthma	ING5	cg20516529	rs74651980	A	G	-0.667	0.101	0.018	3.57E-11	0.023	0.036	0.516	0.012	43.814	TRUE	9.06E-11
Allergic asthma	ING5	cg21244745	rs34692098	G	T	0.238	0.034	0.138	4.59E-12	0.056	0.019	0.003	0.013	47.828	TRUE	8.36E-11
Allergic asthma	ING5	cg21244745	rs7371227	C	G	-0.392	0.034	0.413	2.98E-31	-0.022	0.014	0.111	0.035	135.127	TRUE	1.58E-29
Allergic asthma	ING5	cg21244745	rs74562536	T	C	-0.202	0.028	0.215	7.74E-13	-0.010	0.016	0.540	0.014	51.318	TRUE	2.16E-12
Allergic asthma	ING5	cg24048263	rs35145466	A	G	0.320	0.045	0.091	1.52E-12	0.049	0.023	0.031	0.013	50.000	TRUE	1.48E-11
Allergic asthma	ITGA6	cg01044293	rs12992315	C	G	0.454	0.038	0.106	1.96E-33	-0.003	0.028	0.928	0.038	145.105	TRUE	1.65E-32
Allergic asthma	ITGA6	cg01044293	rs12995911	T	C	0.577	0.085	0.019	1.32E-11	-0.073	0.054	0.177	0.012	45.762	TRUE	6.05E-11
Allergic asthma	ITGA6	cg01044293	rs7601768	A	G	0.165	0.025	0.318	9.86E-11	-0.029	0.015	0.046	0.011	41.827	TRUE	6.70E-10
Allergic asthma	ITGA6	cg02670123	rs12475382	C	G	0.180	0.030	0.175	3.24E-09	-0.016	0.016	0.299	0.009	35.015	TRUE	9.31E-09
Allergic asthma	ITGA6	cg02670123	rs4972764	T	C	0.150	0.027	0.253	3.54E-08	-0.034	0.015	0.027	0.008	30.371	TRUE	1.98E-07
Allergic asthma	ITGA6	cg03295096	rs143132727	A	G	0.482	0.078	0.024	7.93E-10	-0.055	0.053	0.296	0.010	37.758	TRUE	2.42E-09
Allergic asthma	ITGA6	cg03779937	rs12475433	T	G	-0.216	0.029	0.196	2.14E-13	-0.025	0.020	0.204	0.014	53.838	TRUE	1.11E-12
Allergic asthma	ITGA6	cg03779937	rs139112702	A	T	-0.649	0.104	0.011	4.01E-10	-0.074	0.126	0.559	0.010	39.086	TRUE	8.95E-10
Allergic asthma	ITGA6	cg03779937	rs16860438	T	A	-1.254	0.047	0.060	8.18E-154	-0.031	0.033	0.347	0.159	697.614	TRUE	8.90E-142
Allergic asthma	ITGA6	cg03779937	rs16860834	C	T	-0.751	0.057	0.046	3.31E-39	0.001	0.019	0.943	0.044	171.505	TRUE	4.79E-38
Allergic asthma	ITGA6	cg03779937	rs6433377	A	G	-0.232	0.026	0.265	7.41E-19	0.004	0.015	0.771	0.021	78.608	TRUE	2.39E-18
Allergic asthma	ITGA6	cg03779937	rs7587375	G	A	-0.304	0.024	0.366	7.98E-37	-0.003	0.014	0.827	0.042	160.607	TRUE	1.13E-35
Allergic asthma	ITGA6	cg03779937	rs836639	G	A	-0.300	0.029	0.220	1.02E-25	0.006	0.015	0.654	0.029	109.865	TRUE	6.85E-25
Allergic asthma	ITGA6	cg05731808	rs3115743	G	A	-0.175	0.028	0.217	3.72E-10	0.017	0.016	0.280	0.010	39.234	TRUE	1.20E-09
Allergic asthma	ITGA6	cg05731808	rs6731763	C	T	0.183	0.028	0.231	3.17E-11	-0.014	0.015	0.342	0.012	44.043	TRUE	1.02E-10
Allergic asthma	ITGA6	cg06262280	rs4972724	C	T	0.254	0.031	0.149	4.81E-16	-0.038	0.026	0.144	0.017	65.836	TRUE	3.87E-15
Allergic asthma	ITGA6	cg06262280	rs4972764	T	C	0.230	0.027	0.253	3.40E-17	-0.034	0.015	0.027	0.019	71.058	TRUE	6.48E-16
Allergic asthma	ITGA6	cg10155853	rs12475382	C	G	0.303	0.030	0.175	2.35E-23	-0.016	0.016	0.299	0.026	99.089	TRUE	2.56E-22
Allergic asthma	ITGA6	cg14512870	rs4324293	A	G	0.132	0.024	0.429	2.27E-08	-0.006	0.014	0.657	0.008	31.231	TRUE	4.06E-08
Allergic asthma	ITGA6	cg14512870	rs4972764	T	C	0.279	0.027	0.253	9.72E-25	-0.034	0.015	0.027	0.028	105.395	TRUE	4.97E-23
Allergic asthma	ITGA6	cg14512870	rs7572413	T	C	0.130	0.023	0.451	3.24E-08	-0.015	0.014	0.277	0.008	30.542	TRUE	8.77E-08
Allergic asthma	ITGA6	cg14512870	rs7575468	A	C	0.412	0.031	0.149	3.41E-40	-0.038	0.026	0.145	0.045	176.026	TRUE	4.65E-38
Allergic asthma	ITGA6	cg15890754	rs11688011	T	C	0.302	0.041	0.093	1.42E-13	-0.007	0.032	0.833	0.015	54.653	TRUE	2.94E-13
Allergic asthma	ITGA6	cg15890754	rs4972764	T	C	0.379	0.027	0.253	1.90E-44	-0.034	0.015	0.027	0.050	195.496	TRUE	1.57E-41
Allergic asthma	ITGA6	cg15890754	rs7575468	A	C	0.406	0.031	0.149	1.08E-38	-0.038	0.026	0.145	0.044	169.157	TRUE	1.21E-36
Allergic asthma	ITGA6	cg16060330	rs112509861	T	C	-0.333	0.032	0.158	1.18E-25	-0.020	0.019	0.285	0.029	109.580	TRUE	1.68E-24

Allergic asthma	ITGA6	cg16060330	rs1574257	G	A	0.264	0.028	0.232	6.01E-21	0.000	0.014	0.978	0.023	88.122	TRUE	1.69E-20
Allergic asthma	ITGA6	cg16060330	rs17753893	G	A	-0.181	0.028	0.233	6.38E-11	-0.019	0.020	0.330	0.011	42.677	TRUE	2.04E-10
Allergic asthma	ITGA6	cg16060330	rs2077921	C	T	-0.162	0.028	0.221	4.13E-09	0.013	0.015	0.374	0.009	34.541	TRUE	1.06E-08
Allergic asthma	ITGA6	cg16060330	rs4972470	T	G	0.145	0.025	0.352	3.54E-09	-0.011	0.014	0.418	0.009	34.844	TRUE	8.64E-09
Allergic asthma	ITGA6	cg20795401	rs10930535	C	G	0.342	0.031	0.149	7.69E-28	-0.038	0.026	0.144	0.031	119.547	TRUE	2.28E-26
Allergic asthma	ITGA6	cg22061832	rs4972763	G	T	0.155	0.025	0.320	1.13E-09	-0.029	0.014	0.043	0.010	37.061	TRUE	6.85E-09
Allergic asthma	ITGA6	cg22061832	rs6716781	T	C	0.161	0.028	0.230	6.05E-09	-0.018	0.015	0.231	0.009	33.802	TRUE	1.89E-08
Allergic asthma	ITGA6	cg22061832	rs75106707	A	G	-0.306	0.047	0.063	5.19E-11	0.009	0.026	0.714	0.012	43.083	TRUE	1.04E-10
Allergic asthma	ITGA6	cg22061832	rs7575468	A	C	0.218	0.031	0.149	3.86E-12	-0.038	0.026	0.145	0.013	48.168	TRUE	2.04E-11
Allergic asthma	ITGAM	cg00764981	rs9674009	C	A	0.295	0.023	0.461	7.43E-37	0.011	0.014	0.404	0.042	160.748	TRUE	2.63E-35
Allergic asthma	ITGAM	cg02256631	rs34550882	T	C	-0.413	0.037	0.115	1.69E-29	-0.018	0.022	0.415	0.033	127.122	TRUE	2.61E-28
Allergic asthma	ITGAM	cg02256631	rs56392848	A	G	0.427	0.025	0.318	1.06E-66	0.023	0.014	0.094	0.074	297.509	TRUE	1.21E-62
Allergic asthma	ITGAM	cg02846316	rs1108431	T	C	-0.360	0.024	0.342	2.16E-50	0.037	0.014	0.007	0.057	222.733	TRUE	1.02E-46
Allergic asthma	ITGAM	cg02846316	rs112766425	G	A	-0.457	0.050	0.055	4.46E-20	0.033	0.039	0.397	0.022	84.159	TRUE	2.87E-19
Allergic asthma	ITGAM	cg02846316	rs11641202	A	G	-0.777	0.021	0.431	<1E-200	0.007	0.014	0.590	0.278	1427.662	TRUE	3.55E-274
Allergic asthma	ITGAM	cg02846316	rs11861258	A	G	-0.450	0.067	0.058	2.63E-11	0.015	0.020	0.448	0.012	44.413	TRUE	7.34E-11
Allergic asthma	ITGAM	cg02846316	rs12597684	C	A	-0.285	0.046	0.076	4.05E-10	-0.008	0.020	0.695	0.010	39.066	TRUE	7.83E-10
Allergic asthma	ITGAM	cg02846316	rs148702283	T	C	0.235	0.036	0.108	6.20E-11	-0.005	0.023	0.841	0.011	42.734	TRUE	1.09E-10
Allergic asthma	ITGAM	cg02846316	rs182339188	C	T	-0.397	0.064	0.037	5.72E-10	0.031	0.088	0.723	0.010	38.395	TRUE	1.06E-09
Allergic asthma	ITGAM	cg02846316	rs2230428	A	G	0.413	0.029	0.190	1.19E-44	0.008	0.018	0.641	0.050	196.430	TRUE	5.90E-43
Allergic asthma	ITGAM	cg02846316	rs2454907	A	G	0.271	0.032	0.156	3.66E-17	0.000	0.020	0.999	0.019	70.912	TRUE	7.82E-17
Allergic asthma	ITGAM	cg02846316	rs4889656	G	C	-0.241	0.024	0.387	9.74E-24	0.001	0.014	0.961	0.027	100.832	TRUE	3.44E-23
Allergic asthma	ITGAM	cg02846316	rs58408589	G	A	-0.499	0.032	0.156	2.26E-53	-0.023	0.019	0.243	0.060	236.387	TRUE	1.18E-50
Allergic asthma	ITGAM	cg02846316	rs76133734	A	G	0.503	0.089	0.034	1.84E-08	0.074	0.043	0.085	0.008	31.639	TRUE	7.76E-08
Allergic asthma	ITGAM	cg05625471	rs1143679	A	G	-0.297	0.039	0.103	2.67E-14	-0.042	0.021	0.045	0.015	57.931	TRUE	2.89E-13
Allergic asthma	ITGAM	cg05625471	rs4594268	T	C	0.377	0.025	0.319	5.59E-52	0.022	0.014	0.108	0.059	230.006	TRUE	5.16E-49
Allergic asthma	ITGAM	cg05625471	rs4889655	T	C	0.138	0.024	0.387	1.07E-08	0.000	0.014	0.992	0.009	32.693	TRUE	1.45E-08
Allergic asthma	ITGAM	cg05625471	rs9927295	A	G	-0.152	0.027	0.245	1.21E-08	-0.058	0.016	3.69E-04	0.009	32.460	TRUE	1.73E-07
Allergic asthma	ITGAM	cg08050115	rs2454907	A	G	0.199	0.032	0.156	7.04E-10	0.000	0.020	0.999	0.010	37.988	TRUE	1.00E-09
Allergic asthma	ITGAM	cg08050115	rs4889656	G	C	-0.155	0.024	0.387	1.05E-10	0.001	0.014	0.961	0.011	41.701	TRUE	1.62E-10
Allergic asthma	ITGAM	cg08050115	rs62057137	T	C	0.222	0.037	0.105	3.16E-09	-0.050	0.024	0.038	0.009	35.064	TRUE	1.87E-08
Allergic asthma	ITGAM	cg08050115	rs9674009	C	A	-0.376	0.023	0.461	1.33E-58	0.011	0.014	0.404	0.066	260.373	TRUE	8.13E-56
Allergic asthma	ITGAM	cg09326409	rs3815801	C	T	0.171	0.025	0.330	6.44E-12	0.026	0.014	0.066	0.013	47.167	TRUE	4.51E-11
Allergic asthma	ITGAM	cg09743950	rs12598380	T	C	0.285	0.024	0.385	1.05E-31	-0.012	0.014	0.403	0.036	137.194	TRUE	2.11E-30
Allergic asthma	ITGAM	cg09743950	rs34550882	T	C	-0.519	0.037	0.115	7.97E-46	-0.018	0.022	0.415	0.052	201.808	TRUE	8.10E-44
Allergic asthma	ITGAM	cg15337006	rs11641624	C	T	-0.159	0.025	0.317	3.14E-10	0.035	0.014	0.013	0.011	39.565	TRUE	2.87E-09
Allergic asthma	ITGAM	cg15817542	rs1143678	T	C	-0.922	0.032	0.144	1.86E-183	-0.024	0.020	0.233	0.184	833.875	TRUE	4.68E-167
Allergic asthma	ITGAM	cg15817542	rs11649290	T	A	-0.180	0.026	0.265	8.26E-12	-0.047	0.016	0.003	0.012	46.678	TRUE	1.41E-10
Allergic asthma	ITGAM	cg15817542	rs78522165	A	G	0.309	0.048	0.060	1.15E-10	-0.012	0.022	0.572	0.011	41.520	TRUE	2.64E-10
Allergic asthma	ITGAM	cg15817542	rs8048583	T	C	0.407	0.025	0.332	5.64E-61	0.027	0.014	0.049	0.068	271.248	TRUE	4.22E-57
Allergic asthma	ITM2C	cg02231590	rs112711149	G	C	-0.727	0.112	0.025	8.01E-11	-0.019	0.033	0.567	0.011	42.233	TRUE	1.86E-10
Allergic asthma	ITM2C	cg02231590	rs2438302	A	G	-0.230	0.035	0.304	3.89E-11	-0.008	0.015	0.600	0.012	43.646	TRUE	8.92E-11

Allergic asthma	ITM2C	cg02231590	rs3816150	C	T	0.281	0.023	0.470	3.15E-33	0.003	0.014	0.846	0.038	144.158	TRUE	3.03E-32
Allergic asthma	ITM2C	cg02231590	rs4973349	A	G	0.170	0.030	0.177	1.63E-08	-0.016	0.018	0.367	0.009	31.878	TRUE	4.00E-08
Allergic asthma	ITM2C	cg02231590	rs59481475	A	G	0.278	0.033	0.140	4.15E-17	-0.027	0.018	0.122	0.019	70.665	TRUE	4.07E-16
Allergic asthma	ITM2C	cg02231590	rs60237566	G	T	-0.615	0.027	0.230	1.39E-113	0.004	0.017	0.828	0.122	512.754	TRUE	6.01E-107
Allergic asthma	ITM2C	cg02231590	rs6436979	T	C	-0.657	0.085	0.020	8.83E-15	-0.055	0.115	0.635	0.016	60.108	TRUE	2.53E-14
Allergic asthma	ITM2C	cg02231590	rs755435	A	C	-0.226	0.027	0.242	9.33E-17	0.022	0.015	0.148	0.018	69.068	TRUE	7.99E-16
Allergic asthma	ITM2C	cg02806733	rs3111750	T	C	-0.269	0.049	0.064	4.06E-08	-0.019	0.027	0.484	0.008	30.106	TRUE	8.45E-08
Allergic asthma	ITM2C	cg02806733	rs62195293	G	T	0.354	0.041	0.090	1.08E-17	-0.040	0.020	0.050	0.019	73.320	TRUE	1.71E-16
Allergic asthma	ITM2C	cg02806733	rs80340586	C	T	0.352	0.046	0.064	2.56E-14	0.009	0.025	0.726	0.015	58.012	TRUE	6.34E-14
Allergic asthma	ITM2C	cg02806733	rs934822	A	G	0.442	0.027	0.241	3.02E-61	-0.037	0.015	0.015	0.069	272.492	TRUE	5.64E-57
Allergic asthma	ITM2C	cg03511931	rs184122315	T	C	-0.676	0.090	0.017	4.27E-14	-0.010	0.103	0.920	0.015	57.009	TRUE	8.31E-14
Allergic asthma	ITM2C	cg03511931	rs2438304	C	A	-0.212	0.037	0.241	1.38E-08	0.005	0.016	0.750	0.009	32.196	TRUE	2.30E-08
Allergic asthma	ITM2C	cg03511931	rs3098325	C	T	-0.707	0.027	0.238	7.06E-151	0.024	0.016	0.145	0.156	684.118	TRUE	1.53E-138
Allergic asthma	ITM2C	cg03511931	rs3111784	G	A	0.223	0.037	0.113	2.04E-09	-0.013	0.020	0.537	0.010	35.917	TRUE	4.42E-09
Allergic asthma	ITM2C	cg03511931	rs34604811	A	G	-0.234	0.032	0.146	1.88E-13	-0.037	0.017	0.031	0.014	54.101	TRUE	2.07E-12
Allergic asthma	ITM2C	cg03511931	rs62195287	A	G	0.270	0.034	0.134	9.09E-16	-0.029	0.019	0.132	0.017	64.583	TRUE	7.40E-15
Allergic asthma	ITM2C	cg03511931	rs73992921	G	C	-0.201	0.030	0.174	4.23E-11	0.016	0.018	0.381	0.012	43.479	TRUE	1.28E-10
Allergic asthma	ITM2C	cg03511931	rs73992965	G	A	0.322	0.045	0.070	1.29E-12	0.016	0.023	0.481	0.013	50.311	TRUE	3.84E-12
Allergic asthma	ITM2C	cg03511931	rs75689999	A	G	0.827	0.051	0.055	2.86E-58	0.012	0.037	0.736	0.065	258.843	TRUE	6.57E-56
Allergic asthma	ITM2C	cg03511931	rs9653273	T	C	0.194	0.029	0.203	1.49E-11	-0.019	0.018	0.289	0.012	45.518	TRUE	5.41E-11
Allergic asthma	ITM2C	cg04293526	rs3098329	G	A	0.291	0.024	0.391	2.64E-34	0.018	0.013	0.194	0.039	149.085	TRUE	1.35E-32
Allergic asthma	ITM2C	cg04293526	rs59913800	G	A	-0.194	0.027	0.247	1.33E-12	0.000	0.016	0.999	0.013	50.253	TRUE	2.19E-12
Allergic asthma	ITM2C	cg14396306	rs10186528	A	G	-0.551	0.084	0.020	5.26E-11	-0.039	0.116	0.735	0.012	43.057	TRUE	1.03E-10
Allergic asthma	ITM2C	cg14396306	rs13418270	G	A	0.216	0.033	0.143	5.48E-11	-0.027	0.018	0.121	0.011	42.975	TRUE	2.75E-10
Allergic asthma	ITM2C	cg14396306	rs1866232	G	A	-0.144	0.025	0.327	1.07E-08	0.014	0.014	0.311	0.009	32.699	TRUE	2.87E-08
Allergic asthma	ITM2C	cg14396306	rs3111758	A	G	-0.225	0.028	0.233	2.01E-15	0.018	0.018	0.317	0.017	63.016	TRUE	9.89E-15
Allergic asthma	ITM2C	cg14396306	rs60237566	G	T	-0.522	0.027	0.230	3.98E-81	0.004	0.017	0.828	0.090	363.705	TRUE	2.60E-77
Allergic asthma	ITM2C	cg14649507	rs60237566	G	T	-0.172	0.028	0.230	6.87E-10	0.004	0.017	0.828	0.010	38.037	TRUE	1.15E-09
Allergic asthma	ITM2C	cg15127563	rs116091269	C	T	0.475	0.079	0.022	1.93E-09	0.018	0.061	0.772	0.010	36.027	TRUE	3.31E-09
Allergic asthma	ITM2C	cg15127563	rs13405230	A	T	0.232	0.037	0.111	5.65E-10	0.035	0.022	0.109	0.010	38.417	TRUE	2.63E-09
Allergic asthma	ITM2C	cg15127563	rs184122315	T	C	-0.823	0.089	0.017	3.40E-20	-0.010	0.103	0.920	0.022	84.696	TRUE	9.84E-20
Allergic asthma	ITM2C	cg15127563	rs2438299	A	T	-0.509	0.068	0.062	1.07E-13	0.074	0.031	0.016	0.015	55.197	TRUE	1.51E-12
Allergic asthma	ITM2C	cg15127563	rs2438304	C	A	-0.275	0.037	0.241	1.86E-13	0.005	0.016	0.750	0.014	54.113	TRUE	4.23E-13
Allergic asthma	ITM2C	cg15127563	rs3111758	A	G	-0.936	0.025	0.233	<1E-200	0.018	0.018	0.317	0.282	1449.240	TRUE	5.02E-277
Allergic asthma	ITM2C	cg15127563	rs3111784	G	A	0.221	0.037	0.113	2.85E-09	-0.013	0.020	0.537	0.009	35.262	TRUE	6.13E-09
Allergic asthma	ITM2C	cg15127563	rs34604811	A	G	-0.225	0.032	0.146	1.63E-12	-0.037	0.017	0.031	0.013	49.855	TRUE	1.59E-11
Allergic asthma	ITM2C	cg15127563	rs59361355	G	A	1.037	0.051	0.056	3.14E-90	0.009	0.037	0.808	0.099	405.495	TRUE	1.14E-85
Allergic asthma	ITM2C	cg15127563	rs6436978	T	C	0.395	0.036	0.128	1.27E-28	-0.037	0.018	0.037	0.032	123.115	TRUE	9.21E-27
Allergic asthma	ITM2C	cg15127563	rs6750171	T	C	-0.180	0.027	0.246	3.05E-11	0.022	0.015	0.129	0.012	44.118	TRUE	1.54E-10
Allergic asthma	ITM2C	cg15127563	rs73992921	G	C	-0.287	0.030	0.174	3.44E-21	0.016	0.018	0.381	0.024	89.226	TRUE	2.53E-20
Allergic asthma	ITM2C	cg15127563	rs73992965	G	A	0.339	0.045	0.070	8.96E-14	0.016	0.023	0.481	0.015	55.552	TRUE	2.92E-13
Allergic asthma	ITM2C	cg15127563	rs934822	A	G	0.205	0.027	0.241	4.17E-14	-0.037	0.015	0.015	0.015	57.054	TRUE	6.32E-13

Allergic asthma	ITM2C	cg15127563	rs9653273	T	C	0.250	0.029	0.203	2.51E-18	-0.019	0.018	0.289	0.020	76.197	TRUE	1.72E-17
Allergic asthma	ITM2C	cg15262728	rs10205726	A	G	-0.164	0.026	0.307	1.51E-10	0.020	0.014	0.158	0.011	40.990	TRUE	6.51E-10
Allergic asthma	ITM2C	cg15262728	rs13417093	G	A	0.179	0.030	0.171	3.70E-09	-0.018	0.018	0.329	0.009	34.758	TRUE	1.01E-08
Allergic asthma	ITM2C	cg15262728	rs3111750	T	C	-0.301	0.049	0.064	8.39E-10	-0.019	0.027	0.484	0.010	37.647	TRUE	1.99E-09
Allergic asthma	ITM2C	cg15262728	rs59481475	A	G	0.229	0.033	0.140	3.68E-12	-0.027	0.018	0.122	0.013	48.260	TRUE	2.10E-11
Allergic asthma	ITM2C	cg15262728	rs60237566	G	T	-0.385	0.028	0.230	3.10E-44	0.004	0.017	0.828	0.050	194.525	TRUE	9.75E-43
Allergic asthma	ITM2C	cg15837943	rs114303975	C	G	0.493	0.078	0.019	3.05E-10	-0.070	0.032	0.029	0.011	39.621	TRUE	2.23E-09
Allergic asthma	ITM2C	cg15837943	rs114708591	C	T	0.281	0.047	0.062	1.72E-09	-0.006	0.026	0.803	0.010	36.243	TRUE	2.89E-09
Allergic asthma	ITM2C	cg15837943	rs11677870	A	G	-0.373	0.064	0.068	6.96E-09	0.040	0.025	0.104	0.009	33.529	TRUE	2.89E-08
Allergic asthma	ITM2C	cg15837943	rs13395705	C	G	0.578	0.043	0.078	9.56E-42	-0.027	0.021	0.190	0.047	183.129	TRUE	1.27E-39
Allergic asthma	ITM2C	cg15837943	rs13407768	C	T	0.212	0.025	0.347	2.96E-17	0.006	0.014	0.685	0.019	71.335	TRUE	9.52E-17
Allergic asthma	ITM2C	cg15837943	rs1465833	T	C	0.616	0.086	0.049	8.69E-13	-0.078	0.040	0.049	0.014	51.091	TRUE	7.51E-12
Allergic asthma	ITM2C	cg15837943	rs146818766	T	C	-0.428	0.075	0.027	1.22E-08	0.035	0.028	0.212	0.009	32.433	TRUE	3.84E-08
Allergic asthma	ITM2C	cg15837943	rs182234551	A	G	-0.361	0.066	0.030	4.94E-08	0.047	0.036	0.192	0.008	29.723	TRUE	1.51E-07
Allergic asthma	ITM2C	cg15837943	rs3111750	T	C	-0.685	0.048	0.064	1.38E-45	-0.019	0.027	0.484	0.051	200.714	TRUE	1.13E-43
Allergic asthma	ITM2C	cg15837943	rs56166300	G	C	-0.208	0.031	0.171	2.41E-11	0.021	0.018	0.250	0.012	44.585	TRUE	9.17E-11
Allergic asthma	ITM2C	cg15837943	rs57399896	G	A	-0.413	0.058	0.116	8.65E-13	-0.012	0.020	0.540	0.014	51.101	TRUE	2.41E-12
Allergic asthma	ITM2C	cg15837943	rs57556160	A	G	0.292	0.053	0.057	2.90E-08	0.012	0.037	0.750	0.008	30.756	TRUE	4.74E-08
Allergic asthma	ITM2C	cg15837943	rs62195288	T	C	0.669	0.033	0.140	6.81E-94	-0.030	0.019	0.114	0.102	422.319	TRUE	1.18E-87
Allergic asthma	ITM2C	cg15837943	rs6742201	T	C	0.342	0.036	0.121	1.07E-21	0.001	0.021	0.972	0.024	91.537	TRUE	3.20E-21
Allergic asthma	ITM2C	cg15837943	rs7564278	G	T	0.449	0.035	0.115	9.12E-37	-0.006	0.022	0.784	0.042	160.342	TRUE	1.39E-35
Allergic asthma	ITM2C	cg15837943	rs938907	A	G	-0.159	0.028	0.202	1.40E-08	0.011	0.015	0.479	0.009	32.164	TRUE	3.05E-08
Allergic asthma	ITM2C	cg17009069	rs111819807	A	C	-0.717	0.122	0.023	4.79E-09	0.019	0.035	0.577	0.009	34.256	TRUE	9.70E-09
Allergic asthma	ITM2C	cg17009069	rs114721632	A	G	-0.369	0.063	0.092	3.54E-09	0.021	0.028	0.441	0.009	34.841	TRUE	8.41E-09
Allergic asthma	ITM2C	cg17009069	rs184122315	T	C	-0.786	0.090	0.017	1.61E-18	-0.010	0.103	0.920	0.020	77.074	TRUE	4.16E-18
Allergic asthma	ITM2C	cg17009069	rs2438302	A	G	-0.239	0.035	0.304	6.27E-12	-0.008	0.015	0.600	0.013	47.217	TRUE	1.52E-11
Allergic asthma	ITM2C	cg17009069	rs3111750	T	C	-0.340	0.049	0.064	3.84E-12	-0.019	0.027	0.484	0.013	48.178	TRUE	1.09E-11
Allergic asthma	ITM2C	cg17009069	rs59481475	A	G	0.350	0.033	0.140	2.59E-26	-0.027	0.018	0.122	0.030	112.580	TRUE	7.16E-25
Allergic asthma	ITM2C	cg17009069	rs60237566	G	T	-0.659	0.027	0.230	1.16E-131	0.004	0.017	0.828	0.139	595.814	TRUE	3.75E-123
Allergic asthma	ITM2C	cg17009069	rs6436977	C	A	0.501	0.023	0.473	2.47E-106	0.003	0.014	0.840	0.115	479.453	TRUE	2.09E-100
Allergic asthma	ITM2C	cg17009069	rs74762084	C	G	0.167	0.030	0.180	2.60E-08	-0.018	0.018	0.303	0.008	30.966	TRUE	6.85E-08
Allergic asthma	ITM2C	cg17009069	rs755435	A	C	-0.259	0.027	0.242	1.17E-21	0.022	0.015	0.148	0.024	91.349	TRUE	1.71E-20
Allergic asthma	ITM2C	cg17674726	rs116469226	C	T	1.049	0.085	0.017	1.09E-34	-0.041	0.035	0.238	0.039	150.841	TRUE	4.94E-33
Allergic asthma	ITM2C	cg17674726	rs13417093	G	A	0.198	0.030	0.171	7.05E-11	-0.018	0.018	0.329	0.011	42.483	TRUE	2.25E-10
Allergic asthma	ITM2C	cg17674726	rs184122315	T	C	-0.523	0.090	0.017	5.71E-09	-0.010	0.103	0.920	0.009	33.911	TRUE	8.37E-09
Allergic asthma	ITM2C	cg17674726	rs2289235	A	G	0.304	0.023	0.467	9.56E-39	0.003	0.014	0.821	0.044	169.398	TRUE	1.67E-37
Allergic asthma	ITM2C	cg17674726	rs3111750	T	C	-0.342	0.049	0.064	2.71E-12	-0.019	0.027	0.484	0.013	48.858	TRUE	7.82E-12
Allergic asthma	ITM2C	cg17674726	rs3111784	G	A	0.523	0.037	0.113	1.40E-45	-0.013	0.020	0.537	0.051	200.690	TRUE	9.93E-44
Allergic asthma	ITM2C	cg17674726	rs59408375	G	A	0.180	0.025	0.355	7.80E-13	0.005	0.014	0.737	0.014	51.304	TRUE	1.72E-12
Allergic asthma	ITM2C	cg17674726	rs60237566	G	T	-0.484	0.027	0.230	1.45E-69	0.004	0.017	0.828	0.077	310.652	TRUE	1.40E-66
Allergic asthma	ITM2C	cg17674726	rs60774594	C	T	1.130	0.077	0.021	1.25E-48	-0.085	0.142	0.549	0.055	214.655	TRUE	1.27E-46
Allergic asthma	ITM2C	cg17674726	rs62195287	A	G	1.367	0.025	0.134	<1E-200	-0.029	0.019	0.132	0.449	3017.420	TRUE	<1E-200

Allergic asthma	ITM2C	cg17674726	rs6710419	A	G	0.523	0.048	0.068	2.31E-27	-0.002	0.031	0.939	0.031	117.366	TRUE	1.12E-26
Allergic asthma	ITM2C	cg17674726	rs6747010	A	G	0.418	0.033	0.137	2.23E-36	-0.022	0.020	0.277	0.041	158.562	TRUE	1.08E-34
Allergic asthma	ITM2C	cg17674726	rs77159514	G	A	0.712	0.091	0.037	4.18E-15	-0.014	0.046	0.762	0.016	61.578	TRUE	1.05E-14
Allergic asthma	ITM2C	cg18346707	rs114708591	C	T	0.266	0.047	0.062	1.20E-08	-0.006	0.026	0.803	0.009	32.468	TRUE	1.92E-08
Allergic asthma	ITM2C	cg18346707	rs114721632	A	G	0.431	0.062	0.092	5.25E-12	0.021	0.028	0.441	0.013	47.564	TRUE	1.57E-11
Allergic asthma	ITM2C	cg18346707	rs115155017	T	C	-0.526	0.075	0.027	2.13E-12	0.036	0.028	0.208	0.013	49.332	TRUE	9.83E-12
Allergic asthma	ITM2C	cg18346707	rs13395705	C	G	0.369	0.043	0.078	1.06E-17	-0.027	0.021	0.190	0.019	73.366	TRUE	8.71E-17
Allergic asthma	ITM2C	cg18346707	rs13402390	G	A	0.399	0.027	0.235	2.49E-49	-0.032	0.016	0.047	0.056	217.865	TRUE	2.96E-46
Allergic asthma	ITM2C	cg18346707	rs3111750	T	C	-0.736	0.048	0.064	1.66E-52	-0.019	0.027	0.484	0.059	232.421	TRUE	3.34E-50
Allergic asthma	ITM2C	cg18346707	rs3111761	T	C	0.139	0.024	0.409	8.55E-09	-0.039	0.014	0.006	0.009	33.129	TRUE	7.37E-08
Allergic asthma	ITM2C	cg18346707	rs56214836	T	C	0.275	0.026	0.281	1.58E-26	-0.011	0.015	0.444	0.030	113.559	TRUE	1.70E-25
Allergic asthma	ITM2C	cg18346707	rs57399896	G	A	-0.410	0.058	0.116	1.26E-12	-0.012	0.020	0.540	0.013	50.357	TRUE	3.48E-12
Allergic asthma	ITM2C	cg18346707	rs7564278	G	T	0.393	0.036	0.115	2.33E-28	-0.006	0.022	0.784	0.032	121.912	TRUE	1.59E-27
Allergic asthma	ITM2C	cg18665334	rs35138159	A	G	0.147	0.024	0.373	7.59E-10	-0.014	0.014	0.315	0.010	37.841	TRUE	2.26E-09
Allergic asthma	ITM2C	cg18994033	rs111819807	A	C	-0.814	0.122	0.023	2.71E-11	0.019	0.035	0.577	0.012	44.354	TRUE	6.45E-11
Allergic asthma	ITM2C	cg18994033	rs116469226	C	T	0.718	0.086	0.017	6.34E-17	-0.041	0.035	0.238	0.019	69.830	TRUE	4.26E-16
Allergic asthma	ITM2C	cg18994033	rs13418270	G	A	0.762	0.032	0.143	2.85E-126	-0.027	0.018	0.121	0.134	571.045	TRUE	9.30E-117
Allergic asthma	ITM2C	cg18994033	rs2918009	T	C	-0.239	0.028	0.233	3.79E-17	0.019	0.018	0.293	0.019	70.845	TRUE	2.30E-16
Allergic asthma	ITM2C	cg18994033	rs3111750	T	C	-0.473	0.049	0.064	3.36E-22	-0.019	0.027	0.484	0.025	93.823	TRUE	2.23E-21
Allergic asthma	ITM2C	cg18994033	rs3111784	G	A	0.213	0.037	0.113	1.15E-08	-0.013	0.020	0.537	0.009	32.557	TRUE	2.35E-08
Allergic asthma	ITM2C	cg18994033	rs59034351	T	C	-0.928	0.087	0.017	8.99E-27	-0.034	0.116	0.769	0.030	114.673	TRUE	5.48E-26
Allergic asthma	ITM2C	cg18994033	rs60237566	G	T	-0.945	0.024	0.230	<1E-200	0.004	0.017	0.828	0.294	1538.619	TRUE	1.10E-293
Allergic asthma	ITM2C	cg18994033	rs60774594	C	T	0.711	0.078	0.021	5.73E-20	-0.085	0.142	0.549	0.022	83.665	TRUE	2.80E-19
Allergic asthma	ITM2C	cg18994033	rs6706979	A	G	-0.311	0.054	0.049	6.45E-09	0.001	0.043	0.985	0.009	33.677	TRUE	8.89E-09
Allergic asthma	ITM2C	cg18994033	rs73992965	G	A	0.312	0.046	0.070	7.29E-12	0.016	0.023	0.481	0.013	46.922	TRUE	2.04E-11
Allergic asthma	ITM2C	cg18994033	rs755435	A	C	-0.267	0.027	0.242	6.35E-23	0.022	0.015	0.148	0.026	97.122	TRUE	1.06E-21
Allergic asthma	ITM2C	cg18994033	rs7606212	A	G	-0.340	0.056	0.122	1.70E-09	-0.009	0.020	0.670	0.010	36.268	TRUE	3.24E-09
Allergic asthma	ITM2C	cg18994033	rs76437481	G	C	-0.884	0.074	0.031	2.71E-33	-0.039	0.046	0.404	0.038	144.463	TRUE	6.42E-32
Allergic asthma	ITM2C	cg18994033	rs934822	A	G	0.368	0.027	0.241	1.19E-42	-0.037	0.015	0.015	0.048	187.271	TRUE	1.03E-39
Allergic asthma	ITM2C	cg18994033	rs9653273	T	C	0.222	0.029	0.203	9.92E-15	-0.019	0.018	0.289	0.016	59.879	TRUE	4.83E-14
Allergic asthma	ITM2C	cg19455189	rs112711149	G	C	-0.859	0.112	0.025	1.33E-14	-0.019	0.033	0.567	0.016	59.295	TRUE	4.12E-14
Allergic asthma	ITM2C	cg19455189	rs114721632	A	G	-0.539	0.062	0.092	4.08E-18	0.021	0.028	0.441	0.020	75.244	TRUE	2.03E-17
Allergic asthma	ITM2C	cg19455189	rs13417093	G	A	0.232	0.030	0.171	2.00E-14	-0.018	0.018	0.329	0.016	58.503	TRUE	8.76E-14
Allergic asthma	ITM2C	cg19455189	rs13418270	G	A	0.608	0.032	0.143	8.55E-79	-0.027	0.018	0.121	0.087	353.000	TRUE	6.75E-74
Allergic asthma	ITM2C	cg19455189	rs2289235	A	G	0.317	0.023	0.467	3.74E-42	0.003	0.014	0.821	0.048	184.998	TRUE	9.42E-41
Allergic asthma	ITM2C	cg19455189	rs2466149	T	C	-0.238	0.035	0.304	8.68E-12	-0.008	0.015	0.601	0.012	46.580	TRUE	2.08E-11
Allergic asthma	ITM2C	cg19455189	rs3111750	T	C	-0.320	0.049	0.064	6.34E-11	-0.019	0.027	0.484	0.011	42.690	TRUE	1.64E-10
Allergic asthma	ITM2C	cg19455189	rs3111784	G	A	0.235	0.037	0.113	3.14E-10	-0.013	0.020	0.537	0.011	39.564	TRUE	7.23E-10
Allergic asthma	ITM2C	cg19455189	rs59034351	T	C	-0.788	0.087	0.017	1.18E-19	-0.034	0.116	0.769	0.022	82.232	TRUE	4.06E-19
Allergic asthma	ITM2C	cg19455189	rs60237566	G	T	-0.897	0.024	0.230	2.12E-294	0.004	0.017	0.828	0.267	1344.035	TRUE	2.58E-260
Allergic asthma	ITM2C	cg19455189	rs60774594	C	T	0.525	0.078	0.021	1.62E-11	-0.085	0.142	0.549	0.012	45.363	TRUE	4.05E-11
Allergic asthma	ITM2C	cg19455189	rs73992965	G	A	0.287	0.046	0.070	3.14E-10	0.016	0.023	0.481	0.011	39.563	TRUE	7.73E-10

Allergic asthma	ITM2C	cg19455189	rs755435	A	C	-0.269	0.027	0.242	3.38E-23	0.022	0.015	0.148	0.026	98.368	TRUE	5.83E-22
Allergic asthma	ITM2C	cg19455189	rs7567211	G	A	-0.625	0.073	0.031	7.14E-18	-0.028	0.046	0.549	0.020	74.137	TRUE	2.93E-17
Allergic asthma	ITM2C	cg20020161	rs116469226	C	T	0.479	0.086	0.017	2.81E-08	-0.041	0.035	0.238	0.008	30.815	TRUE	8.14E-08
Allergic asthma	ITM2C	cg20020161	rs3111750	T	C	-0.411	0.049	0.064	4.23E-17	-0.019	0.027	0.484	0.019	70.628	TRUE	1.80E-16
Allergic asthma	ITM2C	cg20020161	rs59481475	A	G	0.510	0.033	0.140	8.70E-55	-0.027	0.018	0.122	0.062	242.873	TRUE	1.11E-51
Allergic asthma	ITM2C	cg20020161	rs60237566	G	T	-0.672	0.027	0.230	1.49E-137	0.004	0.017	0.828	0.144	622.880	TRUE	2.19E-128
Allergic asthma	ITM2C	cg20020161	rs60774594	C	T	0.514	0.078	0.021	4.03E-11	-0.085	0.142	0.549	0.012	43.574	TRUE	9.80E-11
Allergic asthma	ITM2C	cg20020161	rs755435	A	C	-0.170	0.027	0.242	3.70E-10	0.022	0.015	0.148	0.010	39.244	TRUE	1.57E-09
Allergic asthma	ITM2C	cg20020161	rs76437481	G	C	-0.830	0.074	0.031	2.09E-29	-0.039	0.046	0.404	0.033	126.701	TRUE	3.27E-28
Allergic asthma	ITM2C	cg20020161	rs934822	A	G	0.263	0.027	0.241	1.93E-22	-0.037	0.015	0.015	0.025	94.917	TRUE	9.19E-21
Allergic asthma	ITM2C	cg20020161	rs9653273	T	C	0.166	0.029	0.203	7.27E-09	-0.019	0.018	0.289	0.009	33.444	TRUE	2.05E-08
Allergic asthma	ITM2C	cg20307347	rs114721632	A	G	-0.487	0.062	0.092	5.13E-15	0.021	0.028	0.441	0.016	61.177	TRUE	1.96E-14
Allergic asthma	ITM2C	cg20307347	rs116469226	C	T	0.719	0.086	0.017	5.86E-17	-0.041	0.035	0.238	0.019	69.985	TRUE	3.95E-16
Allergic asthma	ITM2C	cg20307347	rs3111750	T	C	-0.494	0.049	0.064	3.76E-24	-0.019	0.027	0.484	0.027	102.717	TRUE	2.98E-23
Allergic asthma	ITM2C	cg20307347	rs3111784	G	A	0.285	0.037	0.113	2.10E-14	-0.013	0.020	0.537	0.016	58.401	TRUE	6.66E-14
Allergic asthma	ITM2C	cg20307347	rs59034351	T	C	-0.826	0.087	0.017	1.87E-21	-0.034	0.116	0.769	0.024	90.432	TRUE	7.35E-21
Allergic asthma	ITM2C	cg20307347	rs60237566	G	T	-0.819	0.026	0.230	8.46E-214	0.004	0.017	0.828	0.208	973.374	TRUE	3.09E-194
Allergic asthma	ITM2C	cg20307347	rs60774594	C	T	0.748	0.078	0.021	5.86E-22	-0.085	0.142	0.549	0.024	92.725	TRUE	3.39E-21
Allergic asthma	ITM2C	cg20307347	rs6436977	C	A	0.328	0.023	0.473	2.06E-45	0.003	0.014	0.840	0.051	199.917	TRUE	7.23E-44
Allergic asthma	ITM2C	cg20307347	rs73992965	G	A	0.343	0.046	0.070	5.18E-14	0.016	0.023	0.481	0.015	56.632	TRUE	1.72E-13
Allergic asthma	ITM2C	cg20307347	rs755435	A	C	-0.283	0.027	0.242	1.50E-25	0.022	0.015	0.148	0.029	109.091	TRUE	3.38E-24
Allergic asthma	ITM2C	cg20307347	rs7567211	G	A	-0.509	0.073	0.031	2.49E-12	-0.028	0.046	0.549	0.013	49.025	TRUE	6.63E-12
Allergic asthma	ITM2C	cg20307347	rs7606212	A	G	-0.441	0.056	0.122	4.60E-15	-0.009	0.020	0.670	0.016	61.390	TRUE	1.29E-14
Allergic asthma	ITM2C	cg20307347	rs78229572	G	A	-0.280	0.048	0.058	4.23E-09	0.006	0.025	0.825	0.009	34.495	TRUE	6.79E-09
Allergic asthma	ITM2C	cg20307347	rs934822	A	G	0.274	0.027	0.241	3.80E-24	-0.037	0.015	0.015	0.027	102.697	TRUE	2.28E-22
Allergic asthma	ITM2C	cg20307347	rs9808500	T	C	0.836	0.032	0.140	1.11E-150	-0.031	0.019	0.104	0.156	683.212	TRUE	3.73E-138
Allergic asthma	ITM2C	cg20333027	rs184122315	T	C	0.808	0.090	0.017	1.73E-19	-0.010	0.103	0.920	0.022	81.479	TRUE	4.77E-19
Allergic asthma	ITM2C	cg20333027	rs3098325	C	T	0.396	0.028	0.238	1.52E-45	0.024	0.016	0.145	0.051	200.519	TRUE	4.28E-43
Allergic asthma	ITM2C	cg20333027	rs3111784	G	A	-0.309	0.037	0.113	8.69E-17	-0.013	0.020	0.537	0.018	69.208	TRUE	3.32E-16
Allergic asthma	ITM2C	cg20333027	rs528289941	C	T	-0.556	0.084	0.020	2.85E-11	-0.046	0.035	0.186	0.012	44.256	TRUE	1.23E-10
Allergic asthma	ITM2C	cg20333027	rs59481475	A	G	-0.637	0.032	0.140	2.35E-86	-0.027	0.018	0.122	0.095	387.710	TRUE	8.01E-81
Allergic asthma	ITM2C	cg20333027	rs60774594	C	T	-0.567	0.078	0.021	3.28E-13	-0.085	0.142	0.549	0.014	53.002	TRUE	9.34E-13
Allergic asthma	ITM2C	cg20333027	rs62195326	A	C	0.348	0.027	0.247	7.27E-39	0.022	0.015	0.131	0.044	169.943	TRUE	9.04E-37
Allergic asthma	ITM2C	cg20333027	rs6710419	A	G	-0.417	0.048	0.068	6.87E-18	-0.002	0.031	0.939	0.020	74.213	TRUE	1.66E-17
Allergic asthma	ITM2C	cg20333027	rs73992921	G	C	0.822	0.029	0.174	5.29E-177	0.016	0.018	0.381	0.179	804.203	TRUE	5.75E-162
Allergic asthma	ITM2C	cg20333027	rs78229572	G	A	0.402	0.047	0.058	2.21E-17	0.006	0.025	0.825	0.019	71.910	TRUE	5.96E-17
Allergic asthma	ITM2C	cg20333027	rs9653273	T	C	-0.224	0.029	0.203	6.71E-15	-0.019	0.018	0.289	0.016	60.648	TRUE	3.32E-14
Allergic asthma	ITM2C	cg21299958	rs73992921	G	C	0.222	0.030	0.174	2.57E-13	0.016	0.018	0.381	0.014	53.480	TRUE	9.37E-13
Allergic asthma	ITM2C	cg22177286	rs114721632	A	G	0.523	0.062	0.092	4.12E-17	0.021	0.028	0.441	0.019	70.679	TRUE	1.88E-16
Allergic asthma	ITM2C	cg22177286	rs116469226	C	T	-0.690	0.086	0.017	1.03E-15	-0.041	0.035	0.238	0.017	64.337	TRUE	6.14E-15
Allergic asthma	ITM2C	cg22177286	rs13417093	G	A	-0.264	0.030	0.171	2.88E-18	-0.018	0.018	0.329	0.020	75.929	TRUE	1.80E-17
Allergic asthma	ITM2C	cg22177286	rs3111784	G	A	-0.288	0.037	0.113	1.06E-14	-0.013	0.020	0.537	0.016	59.754	TRUE	3.43E-14

Allergic asthma	ITM2C	cg22177286	rs3816150	C	T	-0.330	0.023	0.470	9.04E-46	0.003	0.014	0.846	0.052	201.559	TRUE	3.26E-44
Allergic asthma	ITM2C	cg22177286	rs60237566	G	T	0.761	0.027	0.230	1.38E-180	0.004	0.017	0.828	0.182	820.673	TRUE	5.64E-166
Allergic asthma	ITM2C	cg22177286	rs60774594	C	T	-0.656	0.078	0.021	3.10E-17	-0.085	0.142	0.549	0.019	71.239	TRUE	1.21E-16
Allergic asthma	ITM2C	cg22177286	rs62195288	T	C	-0.676	0.033	0.140	1.01E-95	-0.030	0.019	0.114	0.104	430.720	TRUE	2.59E-89
Allergic asthma	ITM2C	cg22177286	rs62195326	A	C	0.287	0.027	0.247	8.86E-27	0.022	0.015	0.131	0.030	114.702	TRUE	2.48E-25
Allergic asthma	ITM2C	cg22177286	rs6436979	T	C	0.826	0.084	0.020	1.38E-22	-0.055	0.115	0.635	0.025	95.585	TRUE	7.31E-22
Allergic asthma	ITM2C	cg22177286	rs78229572	G	A	0.406	0.047	0.058	1.26E-17	0.006	0.025	0.825	0.019	73.023	TRUE	3.45E-17
Allergic asthma	ITPR1	cg02799411	rs2279748	C	G	-0.220	0.025	0.358	6.43E-19	0.024	0.014	0.091	0.021	78.888	TRUE	8.93E-18
Allergic asthma	ITPR1	cg03648908	rs11712971	A	G	-0.263	0.029	0.205	9.35E-20	-0.007	0.016	0.669	0.022	82.698	TRUE	3.73E-19
Allergic asthma	ITPR1	cg03648908	rs140128694	A	G	0.818	0.094	0.032	4.32E-18	0.005	0.082	0.955	0.020	75.131	TRUE	1.03E-17
Allergic asthma	ITPR1	cg03648908	rs1550559	A	G	-0.236	0.026	0.269	7.47E-20	0.009	0.015	0.560	0.022	83.140	TRUE	3.55E-19
Allergic asthma	ITPR1	cg03648908	rs3805009	A	G	0.726	0.026	0.244	2.25E-173	-0.016	0.017	0.354	0.176	787.526	TRUE	9.02E-159
Allergic asthma	ITPR1	cg03648908	rs4685815	T	C	0.628	0.085	0.035	1.71E-13	-0.103	0.039	0.008	0.014	54.286	TRUE	2.84E-12
Allergic asthma	ITPR1	cg03836615	rs2304820	C	T	0.328	0.028	0.215	2.90E-31	-0.020	0.015	0.194	0.035	135.184	TRUE	1.04E-29
Allergic asthma	ITPR1	cg03836615	rs901853	T	G	-0.633	0.082	0.042	1.10E-14	-0.026	0.047	0.582	0.016	59.675	TRUE	3.35E-14
Allergic asthma	ITPR1	cg05795849	rs17786144	C	T	0.309	0.034	0.129	2.00E-19	-0.033	0.023	0.160	0.021	81.199	TRUE	2.18E-18
Allergic asthma	ITPR1	cg05795849	rs2053504	G	A	0.142	0.024	0.409	3.13E-09	0.024	0.014	0.082	0.009	35.080	TRUE	1.47E-08
Allergic asthma	ITPR1	cg05795849	rs2633714	G	A	-0.187	0.025	0.326	1.11E-13	-0.001	0.014	0.937	0.015	55.126	TRUE	2.07E-13
Allergic asthma	ITPR1	cg05795849	rs3828436	G	T	-0.304	0.024	0.401	2.31E-37	0.009	0.014	0.524	0.042	163.067	TRUE	6.46E-36
Allergic asthma	ITPR1	cg05795849	rs6772040	T	C	-0.360	0.059	0.084	8.03E-10	-0.066	0.027	0.016	0.010	37.732	TRUE	6.53E-09
Allergic asthma	ITPR1	cg05795849	rs931387	C	T	-0.175	0.025	0.345	9.96E-13	0.008	0.014	0.567	0.014	50.825	TRUE	2.67E-12
Allergic asthma	ITPR1	cg08998950	rs2119802	A	G	0.574	0.046	0.185	4.49E-35	-0.015	0.017	0.358	0.040	152.604	TRUE	1.46E-33
Allergic asthma	ITPR1	cg08998950	rs3805015	G	A	0.183	0.033	0.418	1.98E-08	-0.023	0.014	0.102	0.008	31.497	TRUE	7.85E-08
Allergic asthma	ITPR1	cg08998950	rs75652455	T	C	0.931	0.102	0.023	9.98E-20	0.107	0.063	0.088	0.022	82.568	TRUE	1.54E-18
Allergic asthma	ITPR1	cg08998950	rs901854	G	A	0.463	0.023	0.397	1.60E-87	-0.023	0.014	0.103	0.096	393.065	TRUE	8.32E-82
Allergic asthma	ITPR1	cg08998950	rs9838930	C	T	0.217	0.024	0.395	1.83E-19	0.042	0.014	0.003	0.022	81.366	TRUE	9.84E-18
Allergic asthma	ITPR1	cg09654471	rs115959858	A	G	-0.414	0.071	0.068	4.59E-09	0.042	0.030	0.167	0.009	34.339	TRUE	1.65E-08
Allergic asthma	ITPR1	cg09654471	rs2639801	G	A	-0.210	0.038	0.300	2.43E-08	0.014	0.015	0.339	0.008	31.099	TRUE	6.10E-08
Allergic asthma	ITPR1	cg09654471	rs4685775	G	A	-0.360	0.041	0.099	2.46E-18	0.001	0.020	0.956	0.020	76.244	TRUE	5.96E-18
Allergic asthma	ITPR1	cg09654471	rs56098012	C	A	0.222	0.025	0.467	7.54E-19	0.014	0.014	0.313	0.021	78.576	TRUE	5.13E-18
Allergic asthma	ITPR1	cg09654471	rs73102490	A	G	-1.291	0.037	0.106	1.79E-272	-0.007	0.019	0.710	0.252	1243.190	TRUE	2.08E-242
Allergic asthma	ITPR1	cg10887945	rs3792497	T	C	0.178	0.027	0.244	3.28E-11	-0.015	0.017	0.379	0.012	43.977	TRUE	1.00E-10
Allergic asthma	ITPR1	cg11584376	rs11922422	C	G	0.237	0.031	0.161	1.79E-14	-0.030	0.020	0.129	0.016	58.722	TRUE	1.28E-13
Allergic asthma	ITPR1	cg11584376	rs55963437	T	C	-0.179	0.033	0.139	4.81E-08	-0.032	0.023	0.162	0.008	29.774	TRUE	1.57E-07
Allergic asthma	ITPR1	cg11584376	rs6781893	T	C	0.215	0.029	0.204	1.60E-13	0.011	0.017	0.491	0.014	54.409	TRUE	5.05E-13
Allergic asthma	ITPR1	cg11584376	rs6785305	A	G	0.224	0.031	0.435	8.50E-13	0.007	0.014	0.623	0.014	51.136	TRUE	2.14E-12
Allergic asthma	ITPR1	cg11584376	rs9880589	G	T	-0.472	0.023	0.452	5.16E-97	-0.009	0.014	0.488	0.106	436.647	TRUE	2.08E-91
Allergic asthma	ITPR1	cg11600734	rs2279748	C	G	-0.205	0.025	0.358	1.02E-16	0.024	0.014	0.091	0.018	68.884	TRUE	1.11E-15
Allergic asthma	ITPR1	cg13707945	rs4684433	C	T	-0.140	0.025	0.329	1.38E-08	0.020	0.014	0.143	0.009	32.203	TRUE	4.97E-08
Allergic asthma	ITPR1	cg18689402	rs115959858	A	G	-0.391	0.071	0.068	3.34E-08	0.042	0.030	0.167	0.008	30.483	TRUE	1.09E-07
Allergic asthma	ITPR1	cg18689402	rs11712103	C	G	-0.350	0.049	0.114	8.14E-13	-0.007	0.016	0.649	0.014	51.220	TRUE	1.99E-12
Allergic asthma	ITPR1	cg18689402	rs2639801	G	A	-0.366	0.037	0.300	8.00E-23	0.014	0.015	0.339	0.025	96.664	TRUE	7.53E-22

Allergic asthma	ITPR1	cg18689402	rs56098012	C	A	0.349	0.025	0.467	6.39E-45	0.014	0.014	0.313	0.051	197.668	TRUE	7.93E-43
Allergic asthma	ITPR1	cg18689402	rs6785564	G	A	-1.121	0.030	0.143	<1E-200	0.000	0.019	0.979	0.279	1429.598	TRUE	1.93E-275
Allergic asthma	ITPR1	cg19885037	rs7631664	G	A	-0.228	0.029	0.205	3.14E-15	0.009	0.016	0.588	0.017	62.143	TRUE	9.89E-15
Allergic asthma	ITPR1	cg21407899	rs1051559	G	A	0.405	0.030	0.188	9.11E-43	0.061	0.017	2.41E-04	0.048	187.804	TRUE	5.67E-39
Allergic asthma	ITPR1	cg21407899	rs13096481	T	C	-0.140	0.025	0.319	3.58E-08	-0.026	0.015	0.080	0.008	30.349	TRUE	1.48E-07
Allergic asthma	ITPR1	cg21407899	rs17041507	C	T	1.001	0.118	0.017	2.16E-17	0.023	0.037	0.533	0.019	71.950	TRUE	8.75E-17
Allergic asthma	ITPR1	cg26389914	rs11712971	A	G	-0.269	0.029	0.205	4.52E-21	-0.007	0.016	0.669	0.023	88.682	TRUE	2.01E-20
Allergic asthma	ITPR1	cg26389914	rs143961394	C	T	0.620	0.092	0.032	1.87E-11	0.022	0.081	0.791	0.012	45.080	TRUE	3.56E-11
Allergic asthma	ITPR1	cg26389914	rs1550559	A	G	-0.242	0.026	0.269	3.01E-21	0.009	0.015	0.560	0.024	89.491	TRUE	1.61E-20
Allergic asthma	ITPR1	cg26389914	rs3805009	A	G	0.737	0.025	0.244	5.40E-186	-0.016	0.017	0.354	0.186	845.537	TRUE	1.33E-169
Allergic asthma	ITPR1	cg26389914	rs4685807	G	A	0.211	0.031	0.156	9.58E-12	-0.037	0.020	0.066	0.012	46.387	TRUE	6.58E-11
Allergic asthma	ITPR1	cg26389914	rs4685815	T	C	0.602	0.084	0.035	5.96E-13	-0.103	0.039	0.008	0.014	51.833	TRUE	9.14E-12
Allergic asthma	ITPR1	cg26389914	rs77255589	T	C	0.362	0.061	0.038	2.63E-09	0.108	0.051	0.034	0.009	35.423	TRUE	1.62E-08
Allergic asthma	ITPRIP	cg02682924	rs10883967	G	A	-0.193	0.032	0.159	2.82E-09	0.002	0.017	0.903	0.009	35.284	TRUE	4.26E-09
Allergic asthma	ITPRIP	cg02682924	rs41291846	T	G	-0.313	0.026	0.283	1.29E-33	-0.024	0.015	0.114	0.038	145.935	TRUE	9.05E-32
Allergic asthma	ITPRIP	cg03640944	rs72825857	G	A	-0.846	0.133	0.013	2.05E-10	0.102	0.058	0.077	0.011	40.394	TRUE	1.13E-09
Allergic asthma	ITPRIP	cg04935278	rs17884376	G	A	-0.883	0.132	0.014	2.57E-11	0.132	0.062	0.033	0.012	44.456	TRUE	2.09E-10
Allergic asthma	ITPRIP	cg05788080	rs147944114	A	G	-2.087	0.116	0.024	1.52E-72	-0.024	0.053	0.648	0.081	324.318	TRUE	3.88E-69
Allergic asthma	ITPRIP	cg05788080	rs568801321	T	A	-0.303	0.055	0.047	3.70E-08	0.009	0.035	0.804	0.008	30.283	TRUE	5.74E-08
Allergic asthma	ITPRIP	cg11276172	rs276216	G	A	-0.250	0.025	0.313	5.03E-23	-0.021	0.014	0.141	0.026	97.583	TRUE	8.76E-22
Allergic asthma	ITPRIP	cg19640166	rs10883994	C	G	-0.146	0.026	0.307	1.08E-08	-0.017	0.015	0.238	0.009	32.674	TRUE	3.25E-08
Allergic asthma	ITPRIP	cg22882506	rs34594271	T	C	0.347	0.055	0.044	3.52E-10	-0.005	0.027	0.861	0.011	39.344	TRUE	5.80E-10
Allergic asthma	ITPRIP	cg22882506	rs7095770	G	A	0.400	0.026	0.285	1.18E-54	-0.024	0.015	0.115	0.061	242.273	TRUE	1.54E-51
Allergic asthma	ITPRIP	cg23387597	rs72825834	G	T	-0.834	0.133	0.014	3.68E-10	0.133	0.062	0.032	0.011	39.252	TRUE	2.60E-09
Allergic asthma	ITPRIP	cg24168991	rs11192059	T	C	0.307	0.036	0.126	5.19E-18	0.020	0.019	0.297	0.020	74.766	TRUE	3.38E-17
Allergic asthma	ITPRIP	cg24168991	rs112972485	T	A	-0.529	0.087	0.019	1.19E-09	0.068	0.042	0.101	0.010	36.963	TRUE	5.48E-09
Allergic asthma	ITPRIP	cg24168991	rs11594962	T	C	0.419	0.064	0.070	7.40E-11	0.016	0.031	0.615	0.011	42.387	TRUE	1.64E-10
Allergic asthma	ITPRIP	cg24168991	rs12570506	A	T	-0.399	0.030	0.158	2.69E-39	0.007	0.018	0.722	0.044	171.919	TRUE	6.07E-38
Allergic asthma	ITPRIP	cg24168991	rs1484247	C	A	-0.170	0.024	0.403	1.28E-12	-0.006	0.014	0.644	0.013	50.335	TRUE	3.10E-12
Allergic asthma	ITPRIP	cg24168991	rs17736358	C	T	0.205	0.029	0.223	1.02E-12	0.011	0.016	0.494	0.014	50.769	TRUE	3.01E-12
Allergic asthma	ITPRIP	cg24168991	rs17761559	G	T	-0.298	0.047	0.126	3.57E-10	-0.005	0.021	0.816	0.011	39.316	TRUE	6.14E-10
Allergic asthma	ITPRIP	cg24168991	rs17885600	T	A	-0.557	0.102	0.012	4.65E-08	-0.025	0.071	0.727	0.008	29.840	TRUE	7.67E-08
Allergic asthma	ITPRIP	cg24168991	rs181325500	T	G	-0.545	0.087	0.019	3.93E-10	-0.070	0.039	0.076	0.010	39.124	TRUE	2.11E-09
Allergic asthma	ITPRIP	cg24168991	rs186656108	C	T	-0.546	0.097	0.013	2.06E-08	-0.052	0.105	0.619	0.008	31.419	TRUE	3.83E-08
Allergic asthma	ITPRIP	cg24168991	rs34970111	T	C	-0.883	0.020	0.444	<1E-200	-0.008	0.014	0.550	0.354	2031.331	TRUE	<1E-200
Allergic asthma	ITPRIP	cg24168991	rs35691152	A	C	0.257	0.034	0.128	7.92E-14	0.009	0.018	0.609	0.015	55.795	TRUE	2.19E-13
Allergic asthma	ITPRIP	cg24168991	rs600893	G	A	-0.391	0.026	0.261	1.60E-49	-0.004	0.015	0.787	0.056	218.741	TRUE	1.03E-47
Allergic asthma	ITPRIP	cg24168991	rs61861269	C	T	-0.440	0.073	0.026	1.33E-09	-0.002	0.060	0.968	0.010	36.749	TRUE	1.93E-09
Allergic asthma	ITPRIP	cg24168991	rs7095209	A	G	-0.179	0.028	0.236	9.56E-11	-0.004	0.015	0.787	0.011	41.886	TRUE	1.75E-10
Allergic asthma	ITPRIP	cg24168991	rs7095475	C	T	-0.218	0.033	0.153	3.92E-11	-0.009	0.022	0.683	0.012	43.630	TRUE	8.20E-11
Allergic asthma	ITPRIP	cg24168991	rs72809849	A	G	0.367	0.054	0.054	1.33E-11	-0.030	0.035	0.382	0.012	45.741	TRUE	4.19E-11
Allergic asthma	ITPRIP	cg24168991	rs72811687	G	T	-0.266	0.044	0.075	1.22E-09	-0.030	0.026	0.248	0.010	36.923	TRUE	3.95E-09

Allergic asthma	ITPRIP	cg24168991	rs72823928	C	T	0.216	0.038	0.229	1.20E-08	0.017	0.015	0.258	0.009	32.466	TRUE	3.49E-08
Allergic asthma	ITPRIP	cg24168991	rs74473479	G	A	-0.756	0.103	0.017	2.23E-13	0.089	0.069	0.194	0.014	53.760	TRUE	1.18E-12
Allergic asthma	ITPRIP	cg24168991	rs79151117	G	A	-0.731	0.088	0.021	6.84E-17	0.041	0.075	0.580	0.018	69.680	TRUE	2.48E-16
Allergic asthma	ITPRIP	cg24168991	rs911547	G	A	-0.242	0.034	0.146	5.78E-13	0.036	0.020	0.069	0.014	51.891	TRUE	4.51E-12
Allergic asthma	ITPRIP	cg24199006	rs10883992	C	A	0.203	0.026	0.289	5.08E-15	-0.028	0.015	0.059	0.016	61.194	TRUE	5.42E-14
Allergic asthma	ITPRIP	cg25552843	rs10883994	C	G	-0.216	0.025	0.307	1.22E-17	-0.017	0.015	0.238	0.019	73.081	TRUE	8.79E-17
Allergic asthma	ITPRIP	cg27365978	rs10883967	G	A	0.197	0.032	0.159	1.17E-09	0.002	0.017	0.903	0.010	37.007	TRUE	1.80E-09
Allergic asthma	ITPRIP	cg27365978	rs114365861	C	T	0.346	0.061	0.036	1.53E-08	-0.008	0.038	0.828	0.009	31.997	TRUE	2.37E-08
Allergic asthma	ITPRIP	cg27365978	rs34594271	T	C	0.340	0.055	0.044	7.97E-10	-0.005	0.027	0.861	0.010	37.747	TRUE	1.29E-09
Allergic asthma	ITPRIP	cg27365978	rs41291846	T	G	0.540	0.025	0.283	4.85E-100	-0.024	0.015	0.114	0.109	450.550	TRUE	3.19E-93
Allergic asthma	ITPRIP	cg27365978	rs61861273	G	A	0.413	0.072	0.027	1.23E-08	-0.012	0.062	0.840	0.009	32.414	TRUE	1.91E-08
Allergic asthma	JAK2	cg02405213	rs10974947	A	G	0.340	0.027	0.242	7.76E-36	-0.001	0.015	0.952	0.040	156.090	TRUE	7.88E-35
Allergic asthma	JAK2	cg02405213	rs10975044	C	G	-0.269	0.048	0.068	2.20E-08	-0.011	0.030	0.709	0.008	31.296	TRUE	3.75E-08
Allergic asthma	JAK2	cg02405213	rs117618324	A	G	-0.463	0.069	0.025	1.46E-11	-0.063	0.036	0.077	0.012	45.559	TRUE	9.26E-11
Allergic asthma	JAK2	cg02405213	rs143285975	T	G	0.396	0.058	0.040	1.28E-11	-0.074	0.046	0.109	0.012	45.824	TRUE	7.16E-11
Allergic asthma	JAK2	cg02405213	rs1536799	C	T	0.414	0.050	0.054	1.17E-16	-0.047	0.033	0.157	0.018	68.619	TRUE	9.64E-16
Allergic asthma	JAK2	cg02405213	rs16922581	G	A	-1.046	0.117	0.021	3.65E-19	0.119	0.088	0.177	0.021	80.005	TRUE	3.66E-18
Allergic asthma	JAK2	cg02405213	rs2381194	A	G	-0.554	0.034	0.134	9.24E-59	-0.003	0.019	0.895	0.066	261.091	TRUE	1.55E-56
Allergic asthma	JAK2	cg02405213	rs36051895	T	G	-0.893	0.023	0.293	<1E-200	0.041	0.014	0.004	0.293	1536.147	TRUE	2.71E-288
Allergic asthma	JAK2	cg02405213	rs62543884	C	T	-0.815	0.075	0.047	7.59E-28	0.012	0.040	0.763	0.031	119.575	TRUE	5.13E-27
Allergic asthma	JAK2	cg02405213	rs7853655	T	C	-0.197	0.024	0.406	6.89E-17	0.007	0.014	0.627	0.018	69.666	TRUE	2.34E-16
Allergic asthma	JAK2	cg02405213	rs78745832	T	C	-0.432	0.040	0.092	1.32E-26	0.000	0.027	0.993	0.030	113.907	TRUE	5.55E-26
Allergic asthma	JAK2	cg02405213	rs79372822	T	A	-0.751	0.097	0.027	7.83E-15	0.037	0.046	0.416	0.016	60.345	TRUE	3.07E-14
Allergic asthma	JAK2	cg03390472	rs11515395	G	T	-0.165	0.024	0.414	9.03E-12	0.001	0.014	0.946	0.012	46.504	TRUE	1.50E-11
Allergic asthma	JAK2	cg03390472	rs117955585	T	C	-0.579	0.078	0.024	9.06E-14	0.132	0.051	0.010	0.015	55.530	TRUE	1.48E-12
Allergic asthma	JAK2	cg03390472	rs12551254	T	C	-0.674	0.027	0.218	4.18E-135	0.022	0.016	0.172	0.142	611.634	TRUE	8.35E-125
Allergic asthma	JAK2	cg03390472	rs144525011	G	C	-0.693	0.094	0.036	1.53E-13	-0.004	0.052	0.939	0.015	54.507	TRUE	2.81E-13
Allergic asthma	JAK2	cg03390472	rs150213183	A	G	-0.679	0.094	0.019	6.78E-13	0.099	0.043	0.021	0.014	51.578	TRUE	7.90E-12
Allergic asthma	JAK2	cg03390472	rs1887428	G	C	0.227	0.025	0.364	3.26E-20	0.036	0.014	0.009	0.022	84.778	TRUE	1.39E-18
Allergic asthma	JAK2	cg03390472	rs72701653	G	A	0.284	0.049	0.058	8.53E-09	0.015	0.031	0.617	0.009	33.133	TRUE	1.63E-08
Allergic asthma	JAK2	cg03508284	rs10974933	G	C	0.349	0.063	0.033	2.73E-08	-0.123	0.041	0.003	0.008	30.877	TRUE	2.48E-07
Allergic asthma	JAK2	cg03508284	rs12555131	G	C	-0.223	0.032	0.163	3.99E-12	0.016	0.018	0.380	0.013	48.105	TRUE	1.31E-11
Allergic asthma	JAK2	cg03508284	rs150213183	A	G	-0.523	0.095	0.019	3.29E-08	0.099	0.043	0.021	0.008	30.515	TRUE	1.96E-07
Allergic asthma	JAK2	cg03508284	rs2274472	C	T	0.537	0.024	0.368	2.96E-114	-0.046	0.014	0.001	0.122	515.837	TRUE	3.65E-104
Allergic asthma	JAK2	cg03508284	rs72701686	A	G	0.413	0.070	0.050	3.50E-09	-0.020	0.038	0.599	0.009	34.864	TRUE	7.00E-09
Allergic asthma	JAK2	cg03508284	rs75574230	A	T	-0.218	0.032	0.153	1.62E-11	-0.004	0.020	0.854	0.012	45.356	TRUE	2.91E-11
Allergic asthma	JAK2	cg03508284	rs7874495	G	A	-0.267	0.026	0.294	8.43E-25	0.035	0.014	0.012	0.028	105.679	TRUE	6.24E-23
Allergic asthma	JAK2	cg06858172	rs12554699	A	G	0.273	0.030	0.187	8.39E-20	0.009	0.016	0.568	0.022	82.911	TRUE	3.92E-19
Allergic asthma	JAK2	cg07999015	rs112964046	A	T	-0.522	0.067	0.035	5.98E-15	-0.004	0.035	0.899	0.016	60.874	TRUE	1.26E-14
Allergic asthma	JAK2	cg07999015	rs12335546	T	C	-0.651	0.026	0.267	1.84E-139	0.047	0.014	0.001	0.146	631.650	TRUE	2.86E-126
Allergic asthma	JAK2	cg07999015	rs143285975	T	G	0.468	0.058	0.040	1.16E-15	-0.074	0.046	0.109	0.017	64.097	TRUE	1.03E-14
Allergic asthma	JAK2	cg07999015	rs144525011	G	C	0.815	0.094	0.036	3.05E-18	-0.004	0.052	0.939	0.020	75.813	TRUE	7.55E-18

Allergic asthma	JAK2	cg07999015	rs150213183	A	G	0.788	0.094	0.019	6.73E-17	0.099	0.043	0.021	0.018	69.712	TRUE	1.35E-15
Allergic asthma	JAK2	cg07999015	rs1887429	T	G	0.942	0.022	0.260	<1E-200	0.009	0.016	0.567	0.335	1862.747	TRUE	<1E-200
Allergic asthma	JAK2	cg07999015	rs62543879	C	T	-0.528	0.086	0.037	8.57E-10	0.036	0.056	0.515	0.010	37.605	TRUE	1.96E-09
Allergic asthma	JAK2	cg07999015	rs6476919	C	T	-0.154	0.024	0.409	5.13E-11	0.006	0.014	0.645	0.012	43.103	TRUE	1.11E-10
Allergic asthma	JAK2	cg07999015	rs7026646	G	A	-0.490	0.051	0.053	2.70E-22	-0.045	0.038	0.238	0.025	94.258	TRUE	3.12E-21
Allergic asthma	JAK2	cg07999015	rs7032487	G	T	0.168	0.024	0.406	1.52E-12	0.009	0.014	0.509	0.013	49.995	TRUE	4.33E-12
Allergic asthma	JAK2	cg07999015	rs72699528	G	C	0.366	0.067	0.032	4.16E-08	-0.075	0.058	0.203	0.008	30.057	TRUE	1.26E-07
Allergic asthma	JAK2	cg07999015	rs72699555	G	C	-0.597	0.096	0.029	5.40E-10	0.015	0.071	0.829	0.010	38.505	TRUE	9.09E-10
Allergic asthma	JAK2	cg07999015	rs7868678	A	G	0.783	0.069	0.032	7.98E-30	0.058	0.054	0.282	0.034	128.607	TRUE	1.80E-28
Allergic asthma	JAK2	cg07999015	rs78745832	T	C	-0.258	0.041	0.092	2.04E-10	0.000	0.027	0.993	0.011	40.407	TRUE	3.00E-10
Allergic asthma	JAK2	cg13568515	rs10123976	T	A	-1.117	0.019	0.265	<1E-200	0.038	0.014	0.007	0.473	3314.124	TRUE	<1E-200
Allergic asthma	JAK2	cg13568515	rs10815223	T	C	0.165	0.025	0.338	6.07E-11	-0.004	0.015	0.780	0.011	42.776	TRUE	1.13E-10
Allergic asthma	JAK2	cg13568515	rs113786699	T	C	-0.938	0.066	0.036	4.49E-46	0.023	0.028	0.407	0.052	202.949	TRUE	4.83E-44
Allergic asthma	JAK2	cg13568515	rs117618324	A	G	-0.421	0.068	0.025	7.06E-10	-0.063	0.036	0.077	0.010	37.984	TRUE	3.65E-09
Allergic asthma	JAK2	cg13568515	rs1327497	A	T	0.304	0.024	0.392	8.62E-37	-0.039	0.014	0.005	0.042	160.454	TRUE	5.31E-34
Allergic asthma	JAK2	cg13568515	rs1536799	C	T	0.317	0.050	0.054	2.20E-10	-0.047	0.033	0.157	0.011	40.256	TRUE	9.34E-10
Allergic asthma	JAK2	cg13568515	rs16922581	G	A	-1.120	0.116	0.021	6.15E-22	0.119	0.088	0.177	0.024	92.628	TRUE	8.28E-21
Allergic asthma	JAK2	cg13568515	rs547378966	C	A	0.372	0.030	0.187	7.38E-36	0.011	0.016	0.499	0.041	156.187	TRUE	1.85E-34
Allergic asthma	JAK2	cg13568515	rs62543879	C	T	-0.616	0.085	0.037	5.40E-13	0.036	0.056	0.515	0.014	52.025	TRUE	1.58E-12
Allergic asthma	JAK2	cg13568515	rs7853655	T	C	-0.172	0.024	0.406	2.36E-13	0.007	0.014	0.627	0.014	53.653	TRUE	6.14E-13
Allergic asthma	JAK2	cg13568515	rs78745832	T	C	-0.434	0.040	0.092	5.53E-27	0.000	0.027	0.993	0.030	115.638	TRUE	2.39E-26
Allergic asthma	JAK2	cg20394284	rs12555131	G	C	0.296	0.032	0.163	2.67E-20	0.016	0.018	0.380	0.023	85.174	TRUE	1.81E-19
Allergic asthma	JAK2	cg20394284	rs1536799	C	T	0.386	0.050	0.054	1.02E-14	-0.047	0.033	0.157	0.016	59.828	TRUE	6.83E-14
Allergic asthma	JAK2	cg20394284	rs1555477	T	C	0.166	0.024	0.429	1.85E-12	0.017	0.014	0.213	0.013	49.609	TRUE	8.50E-12
Allergic asthma	JAK2	cg20394284	rs1887425	C	A	-0.310	0.024	0.415	4.08E-39	-0.046	0.014	0.001	0.044	171.092	TRUE	7.52E-36
Allergic asthma	JAK2	cg20394284	rs1887428	G	C	0.592	0.024	0.364	7.16E-137	0.036	0.014	0.009	0.144	619.753	TRUE	7.77E-125
Allergic asthma	JAK2	cg20394284	rs4637905	T	C	0.190	0.029	0.213	3.83E-11	-0.007	0.019	0.704	0.012	43.676	TRUE	7.84E-11
Allergic asthma	KAT5	cg04321396	rs4930305	T	C	-0.235	0.023	0.488	9.15E-24	0.034	0.014	0.013	0.027	100.956	TRUE	5.64E-22
Allergic asthma	KAT5	cg11327039	rs140609671	T	C	0.424	0.073	0.028	7.78E-09	-0.046	0.042	0.275	0.009	33.311	TRUE	2.24E-08
Allergic asthma	KAT5	cg11327039	rs2306363	T	G	0.402	0.029	0.210	1.20E-43	-0.030	0.018	0.104	0.049	191.841	TRUE	3.39E-41
Allergic asthma	KAT5	cg11327039	rs578056	T	C	-0.238	0.030	0.188	3.13E-15	-0.049	0.019	0.009	0.017	62.149	TRUE	6.59E-14
Allergic asthma	KAT5	cg11327039	rs72939141	A	G	0.656	0.115	0.018	1.28E-08	-0.058	0.062	0.354	0.009	32.350	TRUE	3.22E-08
Allergic asthma	KAT5	cg11637721	rs481482	T	C	-0.187	0.030	0.199	2.15E-10	-0.028	0.018	0.133	0.011	40.304	TRUE	9.73E-10
Allergic asthma	KAT5	cg11637721	rs7123489	A	C	0.213	0.025	0.354	4.14E-18	0.055	0.014	4.75E-05	0.020	75.214	TRUE	5.50E-16
Allergic asthma	KAT5	cg22114498	rs112437639	A	G	0.572	0.093	0.015	9.26E-10	0.017	0.041	0.685	0.010	37.454	TRUE	1.77E-09
Allergic asthma	KAT5	cg22114498	rs113367966	T	C	0.642	0.071	0.030	1.21E-19	0.015	0.041	0.714	0.022	82.193	TRUE	4.47E-19
Allergic asthma	KAT5	cg22114498	rs1204772	T	C	-0.196	0.032	0.153	8.49E-10	-0.042	0.018	0.018	0.010	37.623	TRUE	6.69E-09
Allergic asthma	KAT5	cg22114498	rs2306363	T	G	0.507	0.029	0.210	1.34E-69	-0.030	0.018	0.104	0.078	310.799	TRUE	2.30E-65
Allergic asthma	KAT5	cg22114498	rs35733402	G	A	0.183	0.032	0.167	7.08E-09	-0.006	0.020	0.752	0.009	33.495	TRUE	1.20E-08
Allergic asthma	KAT5	cg22114498	rs61895677	T	C	-0.265	0.023	0.454	9.23E-30	0.041	0.014	0.003	0.034	128.319	TRUE	2.63E-27
Allergic asthma	KAT5	cg22114498	rs71455787	G	A	0.205	0.029	0.207	7.87E-13	0.005	0.018	0.797	0.014	51.287	TRUE	1.62E-12
Allergic asthma	KDM1A	cg01718365	rs6658785	C	T	0.235	0.030	0.179	9.93E-15	0.001	0.018	0.936	0.016	59.878	TRUE	1.97E-14

Allergic asthma	KDM1A	cg22683154	rs4620508	T	C	0.140	0.025	0.327	1.99E-08	0.007	0.014	0.602	0.008	31.486	TRUE	3.77E-08
Allergic asthma	KDM1A	cg23271558	rs2072945	A	C	-0.264	0.032	0.151	1.58E-16	0.052	0.022	0.015	0.018	68.029	TRUE	3.36E-15
Allergic asthma	KEAP1	cg15204119	rs1048287	G	A	-0.633	0.039	0.102	1.14E-59	-0.004	0.020	0.844	0.067	265.266	TRUE	2.44E-57
Allergic asthma	KEAP1	cg15204119	rs142880441	C	T	-0.902	0.141	0.015	1.65E-10	-0.014	0.035	0.690	0.011	40.815	TRUE	3.30E-10
Allergic asthma	KEAP1	cg15204119	rs2633973	C	T	0.135	0.025	0.344	4.17E-08	-0.020	0.014	0.162	0.008	30.054	TRUE	1.36E-07
Allergic asthma	KEAP1	cg22779878	rs11882133	C	A	-0.229	0.024	0.363	4.76E-21	0.032	0.014	0.021	0.023	88.581	TRUE	1.67E-19
Allergic asthma	KIF1B	cg03517919	rs11121529	G	C	0.510	0.037	0.112	3.69E-42	0.023	0.022	0.316	0.048	185.023	TRUE	3.19E-40
Allergic asthma	KIF1B	cg03517919	rs11121551	C	T	-0.246	0.024	0.358	3.52E-24	-0.017	0.014	0.213	0.027	102.849	TRUE	5.33E-23
Allergic asthma	KIF1B	cg11342332	rs12127553	G	A	0.156	0.024	0.336	1.13E-10	-0.023	0.014	0.111	0.011	41.558	TRUE	5.65E-10
Allergic asthma	KIF1B	cg11342332	rs185146752	A	G	0.414	0.068	0.028	1.36E-09	-0.126	0.036	4.31E-04	0.010	36.711	TRUE	2.29E-08
Allergic asthma	KIF1B	cg11342332	rs4846204	T	C	-0.239	0.036	0.124	1.95E-11	0.029	0.022	0.184	0.012	44.994	TRUE	8.64E-11
Allergic asthma	KIF1B	cg11399195	rs11121529	G	C	-0.513	0.037	0.112	8.95E-43	0.023	0.022	0.316	0.048	187.839	TRUE	8.37E-41
Allergic asthma	KIF1B	cg11399195	rs4240911	C	T	0.257	0.025	0.328	3.66E-25	0.003	0.014	0.847	0.028	107.328	TRUE	1.72E-24
Allergic asthma	KIF1B	cg11712187	rs11121525	T	C	0.232	0.038	0.102	1.00E-09	-0.006	0.020	0.761	0.010	37.303	TRUE	1.77E-09
Allergic asthma	KIF1B	cg11712187	rs1307490	T	C	0.305	0.044	0.080	4.95E-12	-0.088	0.020	1.13E-05	0.013	47.680	TRUE	2.60E-10
Allergic asthma	KIF1B	cg11712187	rs568844631	C	T	0.878	0.067	0.028	7.08E-39	-0.127	0.036	3.82E-04	0.044	169.994	TRUE	1.86E-35
Allergic asthma	KIF1B	cg11802797	rs11121529	G	C	0.336	0.038	0.112	5.13E-19	0.023	0.022	0.316	0.021	79.335	TRUE	3.53E-18
Allergic asthma	KIF1B	cg11802797	rs35859381	A	G	-0.168	0.024	0.356	4.44E-12	-0.019	0.014	0.179	0.013	47.896	TRUE	2.12E-11
Allergic asthma	KIF1B	cg15208524	rs35111552	G	C	0.289	0.025	0.290	2.30E-30	-0.011	0.015	0.458	0.034	131.078	TRUE	3.52E-29
Allergic asthma	KIF1B	cg19092837	rs11121529	G	C	-0.334	0.037	0.112	2.22E-19	0.023	0.022	0.316	0.021	80.989	TRUE	1.58E-18
Allergic asthma	KIF1B	cg19092837	rs115297149	T	G	0.492	0.066	0.028	8.27E-14	-0.126	0.036	4.31E-04	0.015	55.711	TRUE	3.05E-12
Allergic asthma	KIF1B	cg19092837	rs12127553	G	A	0.145	0.024	0.336	1.80E-09	-0.023	0.014	0.111	0.010	36.162	TRUE	7.82E-09
Allergic asthma	KIF1B	cg23716690	rs11121529	G	C	-0.371	0.038	0.112	8.38E-23	0.023	0.022	0.316	0.025	96.572	TRUE	8.31E-22
Allergic asthma	KIF1B	cg23716690	rs12127553	G	A	0.473	0.024	0.336	5.51E-87	-0.023	0.014	0.111	0.096	390.600	TRUE	2.36E-81
Allergic asthma	KIF1B	cg23716690	rs2086650	T	C	-0.136	0.024	0.459	8.20E-09	-0.032	0.014	0.017	0.009	33.209	TRUE	5.64E-08
Allergic asthma	KIF1B	cg23716690	rs61782927	G	A	0.317	0.056	0.040	1.42E-08	-0.102	0.036	0.004	0.009	32.147	TRUE	1.27E-07
Allergic asthma	KIF1B	cg26116724	rs113331329	G	C	-0.464	0.073	0.030	2.22E-10	0.030	0.054	0.579	0.011	40.244	TRUE	4.93E-10
Allergic asthma	KIF1B	cg26247646	rs11121529	G	C	-0.549	0.037	0.112	1.06E-48	0.023	0.022	0.316	0.055	214.976	TRUE	2.16E-46
Allergic asthma	KIF1B	cg26247646	rs4240911	C	T	0.289	0.025	0.328	1.95E-31	0.003	0.014	0.847	0.035	135.974	TRUE	1.58E-30
Allergic asthma	KIF1B	cg26247646	rs7536149	T	C	-0.145	0.026	0.274	1.41E-08	0.035	0.015	0.018	0.009	32.152	TRUE	9.27E-08
Allergic asthma	KITLG	cg17399545	rs11104881	T	C	-0.147	0.026	0.304	1.12E-08	0.030	0.014	0.030	0.009	32.607	TRUE	6.50E-08
Allergic asthma	LGALS3	cg02183170	rs12896938	C	T	-0.159	0.028	0.212	1.06E-08	-0.013	0.015	0.382	0.009	32.704	TRUE	2.61E-08
Allergic asthma	LGALS3	cg02183170	rs66782529	T	C	-0.399	0.024	0.329	1.00E-59	0.025	0.014	0.062	0.067	265.512	TRUE	5.09E-56
Allergic asthma	LGALS3	cg02183170	rs78059908	T	C	-0.266	0.037	0.116	1.33E-12	-0.011	0.019	0.567	0.013	50.264	TRUE	3.52E-12
Allergic asthma	LGALS3	cg02183170	rs79860430	G	A	-0.297	0.052	0.050	8.81E-09	-0.004	0.035	0.905	0.009	33.069	TRUE	1.29E-08
Allergic asthma	LGALS3	cg04306507	rs10782426	A	G	-0.554	0.023	0.487	3.61E-129	-0.018	0.014	0.192	0.136	584.358	TRUE	1.27E-119
Allergic asthma	LGALS3	cg04306507	rs117044971	A	C	0.657	0.062	0.066	2.86E-26	0.005	0.026	0.846	0.029	112.379	TRUE	1.48E-25
Allergic asthma	LGALS3	cg04306507	rs118105307	T	C	0.503	0.069	0.029	4.07E-13	-0.046	0.043	0.292	0.014	52.582	TRUE	1.69E-12
Allergic asthma	LGALS3	cg04306507	rs1187883	T	C	0.911	0.019	0.428	<1E-200	0.014	0.013	0.314	0.393	2394.409	TRUE	<1E-200
Allergic asthma	LGALS3	cg04306507	rs12437135	G	A	0.269	0.047	0.068	1.54E-08	-0.018	0.021	0.394	0.009	31.986	TRUE	3.67E-08
Allergic asthma	LGALS3	cg04306507	rs17739689	A	T	0.806	0.037	0.105	9.33E-108	0.012	0.018	0.524	0.116	485.985	TRUE	3.25E-101
Allergic asthma	LGALS3	cg04306507	rs1959091	G	T	-0.238	0.037	0.110	1.61E-10	0.009	0.027	0.741	0.011	40.870	TRUE	3.05E-10

Allergic asthma	LGALS3	cg04306507	rs2236299	A	G	-0.323	0.025	0.295	4.59E-37	0.030	0.017	0.087	0.042	161.707	TRUE	6.08E-35
Allergic asthma	LGALS3	cg04306507	rs34670213	G	A	0.351	0.029	0.188	3.22E-33	0.002	0.015	0.898	0.038	144.117	TRUE	2.81E-32
Allergic asthma	LGALS3	cg04306507	rs7141976	T	C	-0.188	0.029	0.247	9.10E-11	0.009	0.018	0.607	0.011	41.984	TRUE	2.02E-10
Allergic asthma	LGALS3	cg04306507	rs7142872	G	C	0.279	0.050	0.059	1.95E-08	0.010	0.049	0.833	0.008	31.525	TRUE	3.00E-08
Allergic asthma	LGALS3	cg04306507	rs7144510	T	C	-0.401	0.025	0.286	5.95E-56	-0.022	0.015	0.153	0.063	248.216	TRUE	7.32E-53
Allergic asthma	LGALS3	cg04306507	rs7148450	C	G	-0.265	0.031	0.168	2.45E-17	0.004	0.018	0.826	0.019	71.709	TRUE	6.58E-17
Allergic asthma	LGALS3	cg04306507	rs7160055	C	T	-0.568	0.045	0.140	9.96E-37	0.013	0.029	0.648	0.042	160.167	TRUE	1.99E-35
Allergic asthma	LGALS3	cg04306507	rs72715557	T	C	-0.534	0.064	0.035	9.05E-17	-0.019	0.048	0.688	0.018	69.129	TRUE	2.80E-16
Allergic asthma	LGALS3	cg04306507	rs77878673	T	C	0.605	0.110	0.023	3.82E-08	-0.044	0.039	0.256	0.008	30.222	TRUE	1.06E-07
Allergic asthma	LGALS3	cg04306507	rs78699839	A	C	0.644	0.054	0.044	7.07E-33	-0.009	0.025	0.731	0.037	142.555	TRUE	8.09E-32
Allergic asthma	LGALS3	cg04306507	rs79860430	G	A	0.639	0.051	0.050	1.20E-35	-0.004	0.035	0.905	0.040	155.222	TRUE	1.30E-34
Allergic asthma	LGALS3	cg04306507	rs8010372	A	G	0.235	0.026	0.296	9.39E-20	-0.004	0.015	0.820	0.022	82.689	TRUE	3.02E-19
Allergic asthma	LGALS3	cg04306507	rs8012397	C	A	0.621	0.042	0.093	3.37E-49	-0.001	0.025	0.961	0.055	217.261	TRUE	1.43E-47
Allergic asthma	LGALS3	cg04306507	rs8021103	T	G	0.220	0.029	0.209	7.51E-14	-0.007	0.020	0.730	0.015	55.899	TRUE	1.79E-13
Allergic asthma	LGALS3	cg04306507	rs945268	G	A	-0.145	0.024	0.470	8.56E-10	-0.010	0.013	0.468	0.010	37.609	TRUE	2.07E-09
Allergic asthma	LGALS3	cg09939831	rs35082180	T	G	0.214	0.038	0.111	2.23E-08	0.001	0.024	0.961	0.008	31.270	TRUE	3.06E-08
Allergic asthma	LGALS3	cg14871010	rs2341534	G	C	0.252	0.034	0.291	1.23E-13	0.005	0.019	0.786	0.015	54.926	TRUE	2.71E-13
Allergic asthma	LGALS3	cg18273401	rs112424812	A	G	0.303	0.047	0.064	1.15E-10	0.055	0.025	0.029	0.011	41.521	TRUE	8.97E-10
Allergic asthma	LGALS3	cg18273401	rs11848576	T	C	0.234	0.037	0.109	3.94E-10	-0.014	0.021	0.507	0.010	39.121	TRUE	9.33E-10
Allergic asthma	LGALS3	cg18996663	rs1815580	G	A	-0.142	0.024	0.428	1.84E-09	0.024	0.014	0.078	0.010	36.118	TRUE	9.00E-09
Allergic asthma	LGALS3	cg20008101	rs78811976	A	G	-0.303	0.043	0.089	2.48E-12	-0.004	0.026	0.885	0.013	49.039	TRUE	4.51E-12
Allergic asthma	LGALS3	cg20008101	rs946063	T	A	0.152	0.026	0.274	6.09E-09	-0.023	0.015	0.129	0.009	33.788	TRUE	2.37E-08
Allergic asthma	LGALS3	cg23575099	rs57571649	T	A	-0.222	0.031	0.166	1.16E-12	0.024	0.016	0.129	0.013	50.532	TRUE	6.80E-12
Allergic asthma	LGMN	cg00903825	rs10143182	C	T	-0.245	0.028	0.241	1.50E-18	0.014	0.019	0.447	0.020	77.221	TRUE	7.66E-18
Allergic asthma	LGMN	cg00903825	rs113906812	T	C	0.406	0.055	0.044	1.11E-13	-0.062	0.028	0.030	0.015	55.137	TRUE	1.28E-12
Allergic asthma	LGMN	cg00903825	rs118188631	A	T	-0.402	0.070	0.027	9.30E-09	0.026	0.029	0.382	0.009	32.964	TRUE	2.29E-08
Allergic asthma	LGMN	cg00903825	rs12891909	T	C	0.182	0.027	0.258	6.90E-12	-0.033	0.016	0.040	0.013	47.031	TRUE	5.68E-11
Allergic asthma	LGMN	cg00903825	rs150913052	T	C	0.551	0.059	0.039	8.77E-21	-0.020	0.030	0.506	0.023	87.375	TRUE	4.93E-20
Allergic asthma	LGMN	cg00903825	rs185397045	T	C	0.399	0.066	0.031	1.21E-09	0.003	0.046	0.954	0.010	36.938	TRUE	1.77E-09
Allergic asthma	LGMN	cg00903825	rs2236264	T	C	-0.356	0.031	0.163	5.57E-30	-0.015	0.017	0.401	0.034	129.320	TRUE	9.36E-29
Allergic asthma	LGMN	cg00903825	rs2402189	A	C	0.800	0.020	0.390	<1E-200	-0.010	0.014	0.481	0.298	1571.127	TRUE	3.00E-298
Allergic asthma	LGMN	cg00903825	rs35291284	T	C	0.176	0.028	0.219	6.02E-10	0.037	0.015	0.017	0.010	38.293	TRUE	4.90E-09
Allergic asthma	LGMN	cg00903825	rs3783925	G	A	0.157	0.024	0.365	1.36E-10	-0.020	0.014	0.150	0.011	41.193	TRUE	6.01E-10
Allergic asthma	LGMN	cg00903825	rs3783933	T	C	-0.306	0.029	0.198	3.91E-26	0.011	0.017	0.517	0.029	111.764	TRUE	3.50E-25
Allergic asthma	LGMN	cg00903825	rs4904981	A	G	0.383	0.031	0.172	2.35E-34	-0.002	0.016	0.887	0.039	149.314	TRUE	2.33E-33
Allergic asthma	LGMN	cg00903825	rs68062833	A	G	0.269	0.042	0.183	8.46E-11	0.034	0.020	0.098	0.011	42.125	TRUE	4.50E-10
Allergic asthma	LGMN	cg00903825	rs76392320	G	C	0.355	0.047	0.064	3.29E-14	0.062	0.033	0.057	0.015	57.522	TRUE	3.21E-13
Allergic asthma	LGMN	cg00903825	rs943656	A	G	-0.154	0.027	0.239	1.11E-08	0.017	0.016	0.294	0.009	32.621	TRUE	3.06E-08
Allergic asthma	LGMN	cg01051583	rs1271816	C	T	0.192	0.026	0.319	5.70E-14	0.010	0.015	0.523	0.015	56.442	TRUE	1.78E-13
Allergic asthma	LGMN	cg01051583	rs2236264	T	C	-0.351	0.031	0.163	2.33E-30	-0.015	0.017	0.401	0.034	131.048	TRUE	4.08E-29
Allergic asthma	LGMN	cg02139485	rs8177525	A	C	0.403	0.044	0.158	5.04E-20	-0.016	0.017	0.338	0.022	83.918	TRUE	3.63E-19
Allergic asthma	LGMN	cg02628202	rs10148060	G	A	-0.180	0.025	0.333	2.23E-13	0.015	0.014	0.270	0.014	53.758	TRUE	9.93E-13

Allergic asthma	LGMN	cg02628202	rs118188631	A	T	0.415	0.070	0.027	2.93E-09	0.026	0.029	0.382	0.009	35.210	TRUE	7.54E-09
Allergic asthma	LGMN	cg02628202	rs12883478	A	G	-0.376	0.034	0.341	1.45E-28	0.010	0.014	0.473	0.032	122.857	TRUE	1.79E-27
Allergic asthma	LGMN	cg02628202	rs13379303	A	G	-0.223	0.030	0.187	1.94E-13	0.000	0.015	0.987	0.014	54.032	TRUE	3.38E-13
Allergic asthma	LGMN	cg02628202	rs141596389	G	T	0.392	0.066	0.030	2.12E-09	-0.084	0.061	0.173	0.010	35.845	TRUE	7.78E-09
Allergic asthma	LGMN	cg02628202	rs2402211	C	G	0.184	0.032	0.186	4.95E-09	-0.005	0.019	0.802	0.009	34.189	TRUE	8.08E-09
Allergic asthma	LGMN	cg02628202	rs8177525	A	C	0.510	0.044	0.158	3.75E-31	-0.016	0.017	0.338	0.035	134.674	TRUE	8.35E-30
Allergic asthma	LGMN	cg05135213	rs1242091	C	T	0.215	0.035	0.299	6.14E-10	-0.017	0.015	0.243	0.010	38.255	TRUE	2.07E-09
Allergic asthma	LGMN	cg14521318	rs1242091	C	T	0.242	0.035	0.299	2.64E-12	-0.017	0.015	0.243	0.013	48.912	TRUE	1.12E-11
Allergic asthma	LGMN	cg17319795	rs113906812	T	C	0.409	0.055	0.044	8.17E-14	-0.062	0.028	0.030	0.015	55.734	TRUE	9.60E-13
Allergic asthma	LGMN	cg17319795	rs118188631	A	T	-0.400	0.070	0.027	1.01E-08	0.026	0.029	0.382	0.009	32.807	TRUE	2.48E-08
Allergic asthma	LGMN	cg17319795	rs138660368	C	G	0.425	0.067	0.033	2.14E-10	-0.034	0.032	0.280	0.011	40.313	TRUE	7.07E-10
Allergic asthma	LGMN	cg17319795	rs2236264	T	C	-0.246	0.031	0.163	4.09E-15	-0.015	0.017	0.401	0.016	61.623	TRUE	1.68E-14
Allergic asthma	LGMN	cg17319795	rs2402189	A	C	0.506	0.023	0.390	6.82E-107	-0.010	0.014	0.481	0.115	482.021	TRUE	2.31E-100
Allergic asthma	LGMN	cg17319795	rs4904981	A	G	0.269	0.031	0.172	1.17E-17	-0.002	0.016	0.887	0.019	73.161	TRUE	2.97E-17
Allergic asthma	LGMN	cg22803549	rs8177525	A	C	0.256	0.043	0.158	3.00E-09	-0.016	0.017	0.338	0.009	35.163	TRUE	8.18E-09
Allergic asthma	LGMN	cg22840852	rs10148060	G	A	-0.163	0.025	0.333	3.35E-11	0.015	0.014	0.270	0.012	43.936	TRUE	1.21E-10
Allergic asthma	LGMN	cg22840852	rs118188631	A	T	0.385	0.070	0.027	3.81E-08	0.026	0.029	0.382	0.008	30.229	TRUE	8.91E-08
Allergic asthma	LGMN	cg22840852	rs141596389	G	T	0.394	0.066	0.030	1.84E-09	-0.084	0.061	0.173	0.010	36.122	TRUE	6.79E-09
Allergic asthma	LGMN	cg22840852	rs144169808	A	T	-0.351	0.033	0.141	5.76E-27	0.049	0.019	0.010	0.030	115.558	TRUE	6.05E-25
Allergic asthma	LGMN	cg22840852	rs8177528	T	C	-0.181	0.024	0.348	8.26E-14	-0.013	0.014	0.367	0.015	55.712	TRUE	3.21E-13
Allergic asthma	LGMN	cg22840852	rs999292	A	C	0.445	0.042	0.175	3.05E-26	-0.012	0.017	0.464	0.029	112.253	TRUE	3.06E-25
Allergic asthma	LGMN	cg23168000	rs113520995	T	C	0.423	0.068	0.030	4.36E-10	-0.026	0.034	0.439	0.010	38.923	TRUE	1.12E-09
Allergic asthma	LGMN	cg23168000	rs118188631	A	T	0.567	0.070	0.027	4.36E-16	0.026	0.029	0.382	0.018	66.031	TRUE	2.02E-15
Allergic asthma	LGMN	cg23168000	rs1242104	T	G	0.199	0.024	0.488	8.31E-17	-0.004	0.014	0.779	0.018	69.298	TRUE	2.28E-16
Allergic asthma	LGMN	cg23168000	rs144169808	A	T	-0.225	0.033	0.141	7.71E-12	0.049	0.019	0.010	0.012	46.813	TRUE	9.46E-11
Allergic asthma	LGMN	cg23168000	rs189068715	G	A	0.584	0.092	0.016	2.03E-10	-0.146	0.071	0.040	0.011	40.415	TRUE	1.39E-09
Allergic asthma	LGMN	cg23168000	rs4904972	A	C	0.161	0.027	0.237	3.33E-09	0.008	0.016	0.606	0.009	34.962	TRUE	6.62E-09
Allergic asthma	LGMN	cg23168000	rs8177528	T	C	-0.201	0.024	0.348	9.43E-17	-0.013	0.014	0.367	0.018	69.049	TRUE	4.75E-16
Allergic asthma	LGMN	cg23168000	rs999292	A	C	0.558	0.042	0.175	5.13E-41	-0.012	0.017	0.464	0.046	179.791	TRUE	2.52E-39
Allergic asthma	LGMN	cg23547892	rs10143182	C	T	-0.212	0.028	0.241	2.64E-14	0.014	0.019	0.447	0.015	57.957	TRUE	9.42E-14
Allergic asthma	LGMN	cg23547892	rs113906812	T	C	0.560	0.055	0.044	9.80E-25	-0.062	0.028	0.030	0.028	105.379	TRUE	4.76E-23
Allergic asthma	LGMN	cg23547892	rs118188631	A	T	-0.456	0.070	0.027	6.94E-11	0.026	0.029	0.382	0.011	42.513	TRUE	2.05E-10
Allergic asthma	LGMN	cg23547892	rs12435423	C	T	0.278	0.039	0.092	8.21E-13	-0.012	0.024	0.622	0.014	51.204	TRUE	2.07E-12
Allergic asthma	LGMN	cg23547892	rs12437403	A	G	-0.240	0.043	0.078	2.92E-08	0.008	0.033	0.809	0.008	30.744	TRUE	4.53E-08
Allergic asthma	LGMN	cg23547892	rs138660368	C	G	0.517	0.067	0.033	1.21E-14	-0.034	0.032	0.280	0.016	59.487	TRUE	5.95E-14
Allergic asthma	LGMN	cg23547892	rs143184687	T	C	-0.455	0.082	0.018	2.69E-08	-0.051	0.078	0.512	0.008	30.901	TRUE	5.52E-08
Allergic asthma	LGMN	cg23547892	rs2236264	T	C	-0.288	0.031	0.163	3.97E-20	-0.015	0.017	0.401	0.022	84.388	TRUE	2.55E-19
Allergic asthma	LGMN	cg23547892	rs2402189	A	C	0.662	0.023	0.390	6.27E-190	-0.010	0.014	0.481	0.189	863.630	TRUE	2.76E-173
Allergic asthma	LGMN	cg23547892	rs4904981	A	G	0.336	0.031	0.172	1.03E-26	-0.002	0.016	0.887	0.030	114.410	TRUE	5.15E-26
Allergic asthma	LGMN	cg23547892	rs76392320	G	C	0.259	0.047	0.064	3.16E-08	0.062	0.033	0.057	0.008	30.592	TRUE	1.45E-07
Allergic asthma	LGMN	cg23547892	rs79340292	A	G	0.449	0.077	0.046	5.13E-09	0.004	0.027	0.879	0.009	34.119	TRUE	7.82E-09
Allergic asthma	LGMN	cg23547892	rs943656	A	G	-0.154	0.027	0.239	1.14E-08	0.017	0.016	0.294	0.009	32.569	TRUE	3.14E-08

Allergic asthma	LGMN	cg26329144	rs1242091	C	T	-0.261	0.034	0.299	1.54E-14	-0.017	0.015	0.243	0.016	59.016	TRUE	8.10E-14
Allergic asthma	LIPA	cg09060654	rs111732611	C	T	-0.646	0.116	0.019	2.39E-08	-0.006	0.075	0.940	0.008	31.129	TRUE	3.34E-08
Allergic asthma	LIPA	cg09060654	rs12780342	T	C	0.652	0.044	0.150	4.24E-50	-0.015	0.020	0.448	0.056	221.388	TRUE	6.85E-48
Allergic asthma	LIPA	cg09060654	rs1412445	T	C	0.181	0.024	0.338	1.64E-13	0.030	0.014	0.029	0.014	54.370	TRUE	1.86E-12
Allergic asthma	LIPA	cg09060654	rs150746801	T	G	0.693	0.112	0.018	5.36E-10	-0.025	0.043	0.563	0.010	38.520	TRUE	1.18E-09
Allergic asthma	LIPA	cg09060654	rs2031610	C	T	-0.134	0.024	0.357	2.97E-08	0.021	0.014	0.127	0.008	30.713	TRUE	1.07E-07
Allergic asthma	LIPA	cg09060654	rs2266006	A	G	0.155	0.027	0.237	1.01E-08	0.008	0.018	0.659	0.009	32.804	TRUE	1.85E-08
Allergic asthma	LIPA	cg09060654	rs2297473	G	T	-0.249	0.025	0.301	1.30E-22	0.008	0.014	0.559	0.025	95.704	TRUE	7.83E-22
Allergic asthma	LIPA	cg09060654	rs304450	G	A	0.169	0.030	0.187	1.55E-08	-0.005	0.017	0.778	0.009	31.971	TRUE	2.51E-08
Allergic asthma	LIPA	cg09060654	rs67837568	T	C	0.419	0.075	0.029	2.42E-08	-0.020	0.040	0.620	0.008	31.110	TRUE	4.47E-08
Allergic asthma	LIPA	cg09060654	rs9421696	T	A	0.152	0.027	0.249	2.21E-08	-0.011	0.016	0.493	0.008	31.281	TRUE	4.66E-08
Allergic asthma	LIPA	cg09797463	rs1412444	T	C	-0.163	0.024	0.338	3.04E-11	0.030	0.014	0.030	0.012	44.128	TRUE	2.53E-10
Allergic asthma	LIPA	cg09797463	rs2096401	C	T	-0.201	0.025	0.318	7.36E-16	0.001	0.014	0.931	0.017	64.999	TRUE	1.57E-15
Allergic asthma	LIPA	cg09797463	rs2801524	A	G	0.150	0.026	0.277	9.66E-09	-0.019	0.016	0.227	0.009	32.890	TRUE	2.98E-08
Allergic asthma	LIPA	cg11772224	rs12262734	C	A	0.248	0.045	0.074	4.11E-08	0.036	0.025	0.144	0.008	30.082	TRUE	1.40E-07
Allergic asthma	LIPA	cg11772224	rs2250781	C	A	-0.214	0.023	0.475	2.62E-20	-0.032	0.014	0.017	0.023	85.210	TRUE	9.00E-19
Allergic asthma	LIPA	cg12529006	rs12247969	C	A	-0.252	0.023	0.476	4.97E-27	-0.032	0.014	0.017	0.030	115.848	TRUE	4.26E-25
Allergic asthma	LIPA	cg12529006	rs12262734	C	A	0.730	0.045	0.074	2.22E-58	0.036	0.025	0.144	0.066	259.350	TRUE	4.22E-55
Allergic asthma	LIPA	cg12529006	rs3802657	T	G	0.203	0.036	0.108	1.13E-08	0.026	0.016	0.102	0.009	32.586	TRUE	4.62E-08
Allergic asthma	LIPA	cg12555086	rs112517700	A	G	-0.534	0.066	0.036	5.42E-16	-0.022	0.028	0.425	0.017	65.603	TRUE	2.31E-15
Allergic asthma	LIPA	cg12555086	rs1412445	T	C	-1.070	0.017	0.338	<1E-200	0.030	0.014	0.029	0.521	4025.671	TRUE	<1E-200
Allergic asthma	LIPA	cg12555086	rs144754510	A	G	0.260	0.029	0.201	4.18E-19	0.000	0.018	0.997	0.021	79.740	TRUE	1.01E-18
Allergic asthma	LIPA	cg12555086	rs145661527	C	G	-0.673	0.089	0.022	4.48E-14	0.070	0.053	0.191	0.015	56.915	TRUE	2.55E-13
Allergic asthma	LIPA	cg12555086	rs188493056	A	C	-0.756	0.091	0.018	1.36E-16	-0.014	0.043	0.743	0.018	68.320	TRUE	3.87E-16
Allergic asthma	LIPA	cg12555086	rs2266006	A	G	-0.150	0.027	0.237	3.11E-08	0.008	0.018	0.659	0.008	30.621	TRUE	5.50E-08
Allergic asthma	LIPA	cg12555086	rs303195	G	T	0.211	0.025	0.339	1.23E-17	0.003	0.017	0.846	0.019	73.063	TRUE	3.29E-17
Allergic asthma	LIPA	cg12555086	rs3802657	T	G	-0.362	0.036	0.108	2.75E-24	0.026	0.016	0.102	0.027	103.336	TRUE	6.70E-23
Allergic asthma	LIPA	cg12555086	rs4933503	G	T	-0.335	0.031	0.164	2.06E-26	0.013	0.018	0.483	0.030	113.031	TRUE	2.03E-25
Allergic asthma	LIPA	cg12555086	rs4934469	A	G	-0.281	0.029	0.197	2.25E-22	0.001	0.016	0.949	0.025	94.616	TRUE	7.33E-22
Allergic asthma	LIPA	cg12555086	rs6586196	C	T	0.209	0.026	0.278	1.22E-15	0.032	0.015	0.030	0.017	64.003	TRUE	1.82E-14
Allergic asthma	LIPA	cg12555086	rs7096524	A	G	0.288	0.027	0.257	7.48E-26	-0.039	0.015	0.011	0.029	110.477	TRUE	6.50E-24
Allergic asthma	LIPA	cg12555086	rs7099595	G	T	-0.168	0.024	0.435	1.33E-12	0.017	0.013	0.208	0.013	50.255	TRUE	6.27E-12
Allergic asthma	LIPA	cg12555086	rs74946827	G	A	-0.544	0.049	0.055	1.13E-28	0.030	0.036	0.413	0.032	123.352	TRUE	1.61E-27
Allergic asthma	LIPA	cg12555086	rs7912312	G	A	0.155	0.026	0.269	3.61E-09	-0.013	0.016	0.421	0.009	34.804	TRUE	8.78E-09
Allergic asthma	LIPA	cg13931663	rs1556478	T	C	0.444	0.025	0.301	2.45E-70	0.008	0.014	0.571	0.078	314.191	TRUE	5.47E-67
Allergic asthma	LIPA	cg13931663	rs304498	A	G	0.170	0.029	0.208	4.88E-09	0.005	0.015	0.740	0.009	34.219	TRUE	8.43E-09
Allergic asthma	LIPA	cg15406666	rs2071510	T	G	0.193	0.032	0.389	2.00E-09	0.032	0.014	0.017	0.010	35.952	TRUE	1.51E-08
Allergic asthma	LIPA	cg15406666	rs2250398	A	G	-0.341	0.023	0.475	3.44E-51	-0.033	0.014	0.016	0.058	226.384	TRUE	1.13E-47
Allergic asthma	LIPA	cg15406666	rs35472070	A	G	0.214	0.036	0.130	2.02E-09	0.014	0.020	0.490	0.010	35.932	TRUE	4.63E-09
Allergic asthma	LIPA	cg16398628	rs10430644	C	T	0.242	0.032	0.161	3.10E-14	0.031	0.015	0.037	0.015	57.639	TRUE	3.55E-13
Allergic asthma	LIPA	cg16398628	rs112517700	A	G	0.448	0.066	0.036	1.06E-11	-0.022	0.028	0.425	0.012	46.194	TRUE	3.15E-11
Allergic asthma	LIPA	cg16398628	rs12359459	G	A	0.256	0.042	0.085	6.75E-10	-0.035	0.022	0.108	0.010	38.072	TRUE	3.11E-09

Allergic asthma	LIPA	cg16398628	rs12415827	A	G	0.303	0.049	0.128	5.20E-10	-0.010	0.020	0.642	0.010	38.580	TRUE	1.05E-09
Allergic asthma	LIPA	cg16398628	rs144754510	A	G	-0.253	0.029	0.201	3.55E-18	0.000	0.018	0.997	0.020	75.514	TRUE	8.10E-18
Allergic asthma	LIPA	cg16398628	rs160052	T	C	0.183	0.026	0.280	1.57E-12	-0.018	0.017	0.288	0.013	49.937	TRUE	6.22E-12
Allergic asthma	LIPA	cg16398628	rs1937336	T	A	0.183	0.025	0.343	1.67E-13	0.017	0.014	0.216	0.014	54.335	TRUE	8.42E-13
Allergic asthma	LIPA	cg16398628	rs2071510	T	G	0.337	0.033	0.389	9.54E-25	0.032	0.014	0.017	0.028	105.432	TRUE	5.97E-23
Allergic asthma	LIPA	cg16398628	rs2246949	C	T	-1.006	0.017	0.475	<1E-200	-0.032	0.014	0.017	0.495	3622.303	TRUE	<1E-200
Allergic asthma	LIPA	cg16398628	rs303197	T	C	-0.155	0.025	0.339	3.48E-10	0.002	0.017	0.922	0.011	39.363	TRUE	5.42E-10
Allergic asthma	LIPA	cg16398628	rs3802657	T	G	0.250	0.036	0.108	2.19E-12	0.026	0.016	0.102	0.013	49.275	TRUE	1.38E-11
Allergic asthma	LIPA	cg16398628	rs41284138	C	T	-0.392	0.067	0.034	4.65E-09	-0.027	0.044	0.538	0.009	34.313	TRUE	9.82E-09
Allergic asthma	LIPA	cg16398628	rs4934469	A	G	0.287	0.029	0.197	1.97E-23	0.001	0.016	0.949	0.026	99.443	TRUE	6.91E-23
Allergic asthma	LIPA	cg16398628	rs61853098	A	G	0.499	0.036	0.130	7.88E-44	0.014	0.020	0.492	0.050	192.671	TRUE	5.06E-42
Allergic asthma	LIPA	cg16398628	rs7096524	A	G	-0.297	0.027	0.257	1.14E-27	-0.039	0.015	0.011	0.031	118.766	TRUE	1.28E-25
Allergic asthma	LIPA	cg16398628	rs74946827	G	A	0.320	0.049	0.055	7.74E-11	0.030	0.036	0.413	0.011	42.300	TRUE	2.18E-10
Allergic asthma	LIPA	cg16398628	rs928415	A	G	0.514	0.037	0.111	2.37E-43	-0.025	0.028	0.363	0.049	190.481	TRUE	2.05E-41
Allergic asthma	LIPA	cg17741809	rs10887909	G	A	-0.177	0.030	0.174	5.63E-09	0.028	0.015	0.058	0.009	33.939	TRUE	2.84E-08
Allergic asthma	LIPA	cg17741809	rs12415827	A	G	0.821	0.047	0.128	6.27E-68	-0.010	0.020	0.642	0.076	303.143	TRUE	7.75E-65
Allergic asthma	LIPA	cg17741809	rs138097828	A	G	0.481	0.074	0.023	7.75E-11	0.022	0.040	0.586	0.011	42.297	TRUE	1.77E-10
Allergic asthma	LIPA	cg17741809	rs1412445	T	C	0.206	0.024	0.338	3.97E-17	0.030	0.014	0.029	0.019	70.753	TRUE	7.24E-16
Allergic asthma	LIPA	cg17741809	rs2297473	G	T	-0.258	0.025	0.301	3.66E-24	0.008	0.014	0.559	0.027	102.768	TRUE	2.53E-23
Allergic asthma	LIPA	cg17741809	rs304450	G	A	0.183	0.030	0.187	9.59E-10	-0.005	0.017	0.778	0.010	37.386	TRUE	1.67E-09
Allergic asthma	LIPA	cg17741809	rs67837568	T	C	0.498	0.075	0.029	3.30E-11	-0.020	0.040	0.620	0.012	43.965	TRUE	7.44E-11
Allergic asthma	LIPA	cg17741809	rs7901656	C	T	-0.143	0.025	0.333	7.11E-09	0.023	0.015	0.113	0.009	33.486	TRUE	2.87E-08
Allergic asthma	LIPA	cg17741809	rs9421696	T	A	0.184	0.027	0.249	1.17E-11	-0.011	0.016	0.493	0.012	45.992	TRUE	3.18E-11
Allergic asthma	LIPA	cg20483560	rs12262734	C	A	0.427	0.045	0.074	2.34E-21	0.036	0.025	0.144	0.024	89.989	TRUE	3.34E-20
Allergic asthma	LIPA	cg20483560	rs12359459	G	A	0.242	0.041	0.085	3.68E-09	-0.035	0.022	0.108	0.009	34.766	TRUE	1.56E-08
Allergic asthma	LIPA	cg20483560	rs144754510	A	G	-0.207	0.029	0.201	7.78E-13	0.000	0.018	0.997	0.014	51.308	TRUE	1.29E-12
Allergic asthma	LIPA	cg20483560	rs1937336	T	A	0.142	0.025	0.343	7.43E-09	0.017	0.014	0.216	0.009	33.401	TRUE	2.37E-08
Allergic asthma	LIPA	cg20483560	rs2071510	T	G	0.278	0.032	0.389	2.76E-18	0.032	0.014	0.017	0.020	76.010	TRUE	7.20E-17
Allergic asthma	LIPA	cg20483560	rs2250398	A	G	-0.671	0.020	0.475	1.78E-237	-0.033	0.014	0.016	0.226	1082.247	TRUE	1.69E-210
Allergic asthma	LIPA	cg20483560	rs2902563	C	T	0.269	0.037	0.108	4.23E-13	-0.024	0.027	0.387	0.014	52.504	TRUE	1.50E-12
Allergic asthma	LIPA	cg20483560	rs4934469	A	G	0.190	0.028	0.197	2.78E-11	0.001	0.016	0.949	0.012	44.301	TRUE	4.48E-11
Allergic asthma	LIPA	cg20483560	rs7096524	A	G	-0.175	0.027	0.257	9.92E-11	-0.039	0.015	0.011	0.011	41.814	TRUE	1.01E-09
Allergic asthma	LIPA	cg20592345	rs1332329	C	A	0.375	0.024	0.345	1.12E-54	0.027	0.014	0.047	0.061	242.364	TRUE	3.11E-51
Allergic asthma	LIPA	cg20592345	rs7901936	T	C	0.510	0.073	0.031	2.25E-12	-0.013	0.038	0.743	0.013	49.226	TRUE	4.79E-12
Allergic asthma	LOC729603	cg16582986	rs3798180	G	A	0.194	0.026	0.382	1.45E-13	0.004	0.014	0.798	0.015	54.611	TRUE	3.13E-13
Allergic asthma	LYN	cg02410887	rs12155650	T	C	0.274	0.038	0.127	8.66E-13	0.055	0.021	0.010	0.014	51.099	TRUE	1.23E-11
Allergic asthma	LYN	cg02410887	rs7828483	C	G	0.352	0.030	0.231	1.27E-31	-0.014	0.017	0.406	0.036	136.827	TRUE	2.50E-30
Allergic asthma	LYN	cg02508743	rs118002299	T	C	-0.629	0.094	0.018	2.45E-11	0.030	0.118	0.800	0.012	44.550	TRUE	4.60E-11
Allergic asthma	LYN	cg02508743	rs16922425	C	T	-0.172	0.026	0.491	1.78E-11	0.006	0.014	0.649	0.012	45.177	TRUE	3.96E-11
Allergic asthma	LYN	cg02508743	rs28595219	T	C	-0.193	0.029	0.252	1.77E-11	0.021	0.015	0.185	0.012	45.183	TRUE	7.86E-11
Allergic asthma	LYN	cg02508743	rs9650314	A	G	-0.611	0.032	0.183	1.54E-83	0.003	0.018	0.873	0.092	374.776	TRUE	1.36E-79
Allergic asthma	LYN	cg03973663	rs2667976	A	C	0.301	0.030	0.229	1.86E-23	-0.015	0.017	0.394	0.026	99.548	TRUE	1.65E-22

Allergic asthma	LYN	cg03973663	rs556194714	C	T	0.375	0.066	0.038	1.70E-08	-0.126	0.043	0.004	0.009	31.793	TRUE	1.55E-07
Allergic asthma	LYN	cg04132540	rs77035567	T	C	-0.443	0.061	0.045	6.08E-13	-0.042	0.032	0.187	0.014	51.791	TRUE	3.12E-12
Allergic asthma	LYN	cg05997362	rs2667971	C	T	0.251	0.030	0.231	9.66E-17	-0.015	0.017	0.391	0.018	69.001	TRUE	4.66E-16
Allergic asthma	LYN	cg06818377	rs13249338	A	G	-0.147	0.026	0.406	1.39E-08	-0.014	0.014	0.313	0.009	32.181	TRUE	3.70E-08
Allergic asthma	LYN	cg06818377	rs1470708	G	A	-0.159	0.026	0.387	9.71E-10	-0.003	0.014	0.811	0.010	37.361	TRUE	1.64E-09
Allergic asthma	LYN	cg06818377	rs72651454	G	A	0.509	0.033	0.166	3.90E-53	0.053	0.019	0.006	0.060	235.306	TRUE	3.25E-49
Allergic asthma	LYN	cg06818377	rs72653977	G	A	0.423	0.065	0.039	1.03E-10	0.108	0.041	0.008	0.011	41.744	TRUE	1.14E-09
Allergic asthma	LYN	cg06880721	rs13262073	C	G	0.270	0.027	0.330	2.29E-23	-0.010	0.015	0.498	0.026	99.144	TRUE	1.64E-22
Allergic asthma	LYN	cg06880721	rs139862376	G	C	0.330	0.056	0.055	4.03E-09	0.058	0.035	0.100	0.009	34.591	TRUE	1.75E-08
Allergic asthma	LYN	cg06880721	rs6994646	C	T	-0.265	0.045	0.086	3.65E-09	-0.014	0.021	0.507	0.009	34.782	TRUE	8.04E-09
Allergic asthma	LYN	cg06880721	rs72651467	G	T	0.201	0.035	0.158	7.82E-09	0.042	0.022	0.060	0.009	33.301	TRUE	3.85E-08
Allergic asthma	LYN	cg08894788	rs12679916	T	C	-0.212	0.025	0.412	9.32E-17	-0.002	0.013	0.911	0.018	69.072	TRUE	2.16E-16
Allergic asthma	LYN	cg08894788	rs2271400	C	T	0.395	0.027	0.336	8.72E-50	0.003	0.015	0.849	0.056	219.953	TRUE	5.06E-48
Allergic asthma	LYN	cg11982546	rs7829003	G	C	0.248	0.033	0.176	6.65E-14	-0.006	0.020	0.750	0.015	56.138	TRUE	1.55E-13
Allergic asthma	LYN	cg17806401	rs113732653	C	A	0.398	0.064	0.042	3.52E-10	-0.111	0.044	0.011	0.011	39.341	TRUE	3.32E-09
Allergic asthma	LYN	cg17806401	rs17812677	A	T	0.264	0.030	0.225	2.88E-18	-0.014	0.017	0.403	0.020	75.928	TRUE	1.55E-17
Allergic asthma	LYN	cg21301224	rs17812677	A	T	0.188	0.030	0.225	6.75E-10	-0.014	0.017	0.403	0.010	38.070	TRUE	1.78E-09
Allergic asthma	LYN	cg24856456	rs9693980	A	G	-0.169	0.030	0.250	1.23E-08	-0.017	0.017	0.330	0.009	32.420	TRUE	3.21E-08
Allergic asthma	LYN	cg27004182	rs1546519	G	A	0.162	0.028	0.277	8.12E-09	0.003	0.016	0.841	0.009	33.229	TRUE	1.26E-08
Allergic asthma	MAP1LC3B	cg05038209	rs76910945	G	A	-0.603	0.067	0.026	3.92E-19	0.018	0.064	0.778	0.021	79.868	TRUE	1.28E-18
Allergic asthma	MAP1LC3B	cg09211521	rs111469125	G	A	0.448	0.055	0.050	4.83E-16	0.003	0.031	0.934	0.017	65.828	TRUE	1.04E-15
Allergic asthma	MAP1LC3B	cg09211521	rs112154959	T	C	1.049	0.137	0.016	1.81E-14	-0.001	0.082	0.988	0.016	58.698	TRUE	3.33E-14
Allergic asthma	MAP1LC3B	cg23636419	rs750957	A	G	-0.140	0.024	0.422	2.89E-09	0.032	0.014	0.019	0.009	35.239	TRUE	2.08E-08
Allergic asthma	MAP1LC3B	cg26856583	rs148649561	A	C	-1.072	0.093	0.015	5.80E-31	-0.034	0.056	0.544	0.035	133.809	TRUE	7.88E-30
Allergic asthma	MAP2K5	cg01362115	rs12593640	C	G	0.551	0.039	0.091	1.58E-44	-0.043	0.019	0.023	0.050	195.863	TRUE	1.44E-41
Allergic asthma	MAP2K5	cg01362115	rs140450540	A	G	0.580	0.092	0.016	2.50E-10	0.119	0.112	0.287	0.011	40.008	TRUE	8.13E-10
Allergic asthma	MAP2K5	cg08079166	rs4489954	T	G	0.186	0.025	0.296	2.79E-13	-0.009	0.015	0.541	0.014	53.324	TRUE	8.04E-13
Allergic asthma	MAP2K5	cg17973661	rs142124398	A	T	-0.733	0.090	0.018	2.66E-16	-0.060	0.038	0.109	0.018	67.007	TRUE	2.51E-15
Allergic asthma	MAP2K5	cg17973661	rs4514627	C	A	0.317	0.040	0.090	2.21E-15	-0.043	0.019	0.023	0.017	62.839	TRUE	3.47E-14
Allergic asthma	MAP2K5	cg17973661	rs8030456	T	C	-0.168	0.029	0.225	5.09E-09	0.014	0.018	0.436	0.009	34.136	TRUE	1.20E-08
Allergic asthma	MAP2K5	cg19393677	rs2583585	G	A	-0.493	0.041	0.084	8.96E-34	-0.066	0.019	6.36E-04	0.038	146.658	TRUE	8.20E-31
Allergic asthma	MAP2K5	cg19393677	rs745212	A	G	-0.202	0.025	0.332	3.03E-16	-0.016	0.014	0.231	0.018	66.745	TRUE	1.94E-15
Allergic asthma	MAP2K5	cg20055861	rs6494694	A	C	0.245	0.025	0.314	2.22E-22	-0.018	0.015	0.209	0.025	94.643	TRUE	2.82E-21
Allergic asthma	MAP2K5	cg20055861	rs73427943	T	C	-0.232	0.035	0.128	4.81E-11	-0.004	0.017	0.819	0.012	43.228	TRUE	8.70E-11
Allergic asthma	MAP2K5	cg24247231	rs138176505	G	A	0.654	0.077	0.021	1.96E-17	-0.015	0.084	0.859	0.019	72.146	TRUE	5.08E-17
Allergic asthma	MAP2K5	cg24247231	rs16951489	A	C	0.527	0.079	0.025	2.34E-11	-0.050	0.028	0.073	0.012	44.643	TRUE	1.48E-10
Allergic asthma	MAP2K5	cg24247231	rs17300363	C	A	-0.239	0.040	0.087	2.27E-09	0.032	0.027	0.233	0.010	35.704	TRUE	7.39E-09
Allergic asthma	MAP2K5	cg24247231	rs184812791	T	A	1.293	0.162	0.011	1.70E-15	-0.042	0.045	0.350	0.017	63.350	TRUE	7.90E-15
Allergic asthma	MAP2K5	cg24247231	rs3743353	C	T	1.338	0.035	0.083	<1E-200	-0.058	0.020	0.004	0.284	1469.442	TRUE	5.34E-277
Allergic asthma	MAP2K5	cg24247231	rs4777011	C	G	-0.144	0.024	0.391	3.86E-09	-0.005	0.015	0.753	0.009	34.674	TRUE	6.64E-09
Allergic asthma	MAP2K5	cg24247231	rs62016776	G	A	0.398	0.029	0.202	4.38E-44	-0.029	0.015	0.053	0.050	193.840	TRUE	2.18E-41
Allergic asthma	MAP2K5	cg25642180	rs201788262	A	G	-0.365	0.063	0.036	5.75E-09	-0.006	0.036	0.858	0.009	33.898	TRUE	8.90E-09

Allergic asthma	MAP2K5	cg27219399	rs11504677	A	G	0.514	0.072	0.028	8.62E-13	-0.042	0.080	0.600	0.014	51.107	TRUE	2.23E-12
Allergic asthma	MAP2K5	cg27219399	rs12898654	G	C	-0.226	0.028	0.201	1.11E-15	-0.022	0.016	0.184	0.017	64.193	TRUE	7.58E-15
Allergic asthma	MAP2K5	cg27219399	rs12902812	A	G	0.691	0.026	0.260	1.93E-154	0.011	0.019	0.554	0.159	700.491	TRUE	8.80E-143
Allergic asthma	MAP2K5	cg27219399	rs138206068	T	G	0.466	0.074	0.029	3.79E-10	-0.099	0.066	0.132	0.010	39.198	TRUE	1.67E-09
Allergic asthma	MAP2K5	cg27219399	rs1470002	A	G	0.192	0.024	0.394	2.71E-15	-0.056	0.014	5.34E-05	0.017	62.432	TRUE	2.06E-13
Allergic asthma	MAP2K5	cg27219399	rs17228212	C	T	-0.146	0.026	0.300	1.42E-08	0.001	0.017	0.962	0.009	32.143	TRUE	1.97E-08
Allergic asthma	MAP2K5	cg27219399	rs338348	A	C	0.189	0.024	0.417	3.89E-15	-0.018	0.014	0.201	0.016	61.722	TRUE	2.40E-14
Allergic asthma	MAP2K5	cg27219399	rs4776367	G	A	-0.308	0.029	0.204	4.23E-27	0.030	0.014	0.036	0.030	116.170	TRUE	2.55E-25
Allergic asthma	MAP2K5	cg27219399	rs74923405	T	C	0.446	0.057	0.042	5.40E-15	0.078	0.057	0.170	0.016	61.078	TRUE	3.58E-14
Allergic asthma	MAP2K5	cg27219399	rs7498094	C	T	0.132	0.023	0.458	2.06E-08	-0.009	0.014	0.509	0.008	31.423	TRUE	4.27E-08
Allergic asthma	MAP2K5	cg27219399	rs75379618	T	C	0.551	0.087	0.036	2.96E-10	-0.036	0.059	0.545	0.011	39.679	TRUE	6.77E-10
Allergic asthma	MAP2K5	cg27219399	rs8037951	A	C	-0.170	0.027	0.251	2.30E-10	0.044	0.015	0.004	0.011	40.175	TRUE	2.79E-09
Allergic asthma	MAP3K5	cg01792203	rs9389406	T	C	0.241	0.038	0.134	3.46E-10	0.028	0.023	0.219	0.011	39.376	TRUE	1.25E-09
Allergic asthma	MAP3K5	cg02673417	rs932589	T	C	0.159	0.026	0.422	5.65E-10	0.042	0.014	0.002	0.010	38.418	TRUE	7.63E-09
Allergic asthma	MAP3K5	cg04355227	rs6933827	G	A	1.141	0.097	0.035	8.33E-32	0.047	0.050	0.340	0.036	137.659	TRUE	1.98E-30
Allergic asthma	MAP3K5	cg07868909	rs141318377	T	C	-0.432	0.073	0.033	3.24E-09	0.030	0.032	0.354	0.009	35.012	TRUE	8.63E-09
Allergic asthma	MAP3K5	cg07868909	rs17654215	C	T	-0.505	0.069	0.079	2.89E-13	0.001	0.035	0.966	0.014	53.255	TRUE	5.08E-13
Allergic asthma	MAP3K5	cg07868909	rs17710825	G	A	0.330	0.039	0.122	1.08E-17	0.005	0.023	0.817	0.019	73.317	TRUE	3.02E-17
Allergic asthma	MAP3K5	cg07868909	rs2327766	G	A	0.462	0.054	0.133	7.95E-18	-0.025	0.018	0.162	0.020	73.927	TRUE	7.26E-17
Allergic asthma	MAP3K5	cg07868909	rs3765259	T	C	-0.299	0.038	0.478	1.73E-15	0.001	0.014	0.950	0.017	63.320	TRUE	3.53E-15
Allergic asthma	MAP3K5	cg07868909	rs3903660	C	T	-0.713	0.022	0.399	8.28E-225	0.036	0.014	0.008	0.217	1023.997	TRUE	1.14E-199
Allergic asthma	MAP3K5	cg07868909	rs56167634	G	A	0.421	0.073	0.070	7.90E-09	-0.039	0.034	0.256	0.009	33.281	TRUE	2.34E-08
Allergic asthma	MAP3K5	cg07868909	rs72979569	T	A	-0.588	0.079	0.059	7.10E-14	-0.010	0.029	0.726	0.015	56.010	TRUE	1.70E-13
Allergic asthma	MAP3K5	cg07868909	rs9389421	C	A	-0.218	0.037	0.450	3.48E-09	-0.011	0.014	0.448	0.009	34.876	TRUE	8.21E-09
Allergic asthma	MAP3K5	cg09732335	rs17710825	G	A	-0.250	0.039	0.122	1.06E-10	0.005	0.023	0.817	0.011	41.691	TRUE	1.88E-10
Allergic asthma	MAP3K5	cg09732335	rs2237271	C	A	0.751	0.034	0.169	1.67E-108	-0.004	0.019	0.836	0.117	489.420	TRUE	2.29E-102
Allergic asthma	MAP3K5	cg09732335	rs6912539	A	G	0.268	0.026	0.401	3.75E-25	0.039	0.014	0.004	0.028	107.280	TRUE	4.39E-23
Allergic asthma	MAP3K5	cg10599345	rs141914751	G	A	-0.543	0.073	0.033	1.05E-13	0.032	0.033	0.325	0.015	55.245	TRUE	4.33E-13
Allergic asthma	MAP3K5	cg10599345	rs17654215	C	T	-0.587	0.069	0.079	1.81E-17	0.001	0.035	0.966	0.019	72.300	TRUE	4.11E-17
Allergic asthma	MAP3K5	cg10599345	rs17710825	G	A	0.352	0.039	0.122	6.91E-20	0.005	0.023	0.817	0.022	83.295	TRUE	2.25E-19
Allergic asthma	MAP3K5	cg10599345	rs3734552	A	G	-0.822	0.022	0.401	<1E-200	0.037	0.014	0.007	0.279	1431.658	TRUE	5.99E-271
Allergic asthma	MAP3K5	cg10599345	rs3765259	T	C	-0.257	0.038	0.478	8.67E-12	0.001	0.014	0.950	0.012	46.584	TRUE	1.43E-11
Allergic asthma	MAP3K5	cg10599345	rs56231994	G	C	0.331	0.046	0.074	9.50E-13	-0.033	0.029	0.249	0.014	50.917	TRUE	4.15E-12
Allergic asthma	MAP3K5	cg10599345	rs62420741	T	C	0.284	0.025	0.494	1.18E-29	-0.014	0.014	0.299	0.033	127.826	TRUE	2.50E-28
Allergic asthma	MAP3K5	cg10599345	rs72979569	T	A	-0.562	0.079	0.059	8.62E-13	-0.010	0.029	0.726	0.014	51.108	TRUE	1.92E-12
Allergic asthma	MAP3K5	cg15804973	rs13220892	G	C	0.273	0.039	0.118	4.07E-12	0.004	0.023	0.855	0.013	48.062	TRUE	7.57E-12
Allergic asthma	MAP3K5	cg15804973	rs62420741	T	C	0.150	0.025	0.494	3.29E-09	-0.014	0.014	0.299	0.009	34.985	TRUE	9.46E-09
Allergic asthma	MAP3K5	cg15804973	rs9402845	A	G	-0.476	0.025	0.398	5.25E-79	0.037	0.014	0.006	0.087	353.973	TRUE	5.65E-73
Allergic asthma	MAP3K5	cg21506299	rs1022690	T	C	0.298	0.025	0.430	7.76E-32	0.041	0.014	0.002	0.036	137.800	TRUE	3.08E-29
Allergic asthma	MAP3K5	cg21506299	rs7765827	T	C	0.142	0.026	0.429	3.97E-08	0.012	0.014	0.399	0.008	30.145	TRUE	9.10E-08
Allergic asthma	MAP3K5	cg24999105	rs932589	T	C	0.445	0.025	0.422	7.38E-71	0.042	0.014	0.002	0.079	316.584	TRUE	3.17E-65
Allergic asthma	MAP3K5	cg24999105	rs9385778	T	C	0.194	0.026	0.429	7.18E-14	0.012	0.014	0.378	0.015	55.987	TRUE	2.75E-13

Allergic asthma	MAPK15	cg00910972	rs147068262	A	G	-0.716	0.089	0.018	6.60E-16	-0.164	0.080	0.041	0.017	65.213	TRUE	9.05E-15
Allergic asthma	MAPK15	cg00910972	rs7465115	C	T	-0.208	0.032	0.166	8.00E-11	-0.020	0.016	0.196	0.011	42.236	TRUE	3.23E-10
Allergic asthma	MAPK15	cg00910972	rs77232959	G	A	-0.255	0.039	0.112	3.25E-11	-0.021	0.020	0.291	0.012	43.998	TRUE	1.14E-10
Allergic asthma	MET	cg01921059	rs11979704	A	G	-1.203	0.106	0.011	4.03E-30	0.171	0.220	0.438	0.034	129.963	TRUE	6.31E-29
Allergic asthma	MET	cg01921059	rs12673233	G	A	-0.794	0.053	0.047	1.99E-50	-0.054	0.027	0.047	0.057	222.895	TRUE	2.79E-47
Allergic asthma	MET	cg01921059	rs2237712	G	A	-1.798	0.059	0.038	4.95E-205	0.061	0.030	0.047	0.201	933.065	TRUE	3.46E-184
Allergic asthma	MET	cg01921059	rs36199057	G	C	-0.541	0.076	0.025	1.51E-12	0.004	0.049	0.943	0.013	50.009	TRUE	2.62E-12
Allergic asthma	MET	cg01921059	rs42230	C	T	-0.198	0.024	0.400	4.59E-16	0.005	0.014	0.738	0.018	65.930	TRUE	1.26E-15
Allergic asthma	MET	cg19958057	rs10227421	C	T	-0.194	0.035	0.122	3.39E-08	-0.027	0.018	0.133	0.008	30.452	TRUE	1.20E-07
Allergic asthma	MET	cg24197567	rs41785	A	C	-0.161	0.024	0.420	2.73E-11	0.005	0.014	0.732	0.012	44.339	TRUE	5.48E-11
Allergic asthma	MET	cg24197567	rs437	C	T	0.153	0.027	0.262	8.36E-09	-0.015	0.015	0.306	0.009	33.171	TRUE	2.29E-08
Allergic asthma	MET	cg24627299	rs437	C	T	0.256	0.027	0.262	5.18E-22	-0.015	0.015	0.306	0.025	92.968	TRUE	4.86E-21
Allergic asthma	MET	cg25299676	rs145400702	T	C	0.659	0.118	0.013	2.34E-08	0.023	0.040	0.564	0.008	31.174	TRUE	4.57E-08
Allergic asthma	MET	cg25299676	rs38840	T	C	0.510	0.041	0.172	7.34E-35	0.009	0.019	0.643	0.039	151.626	TRUE	1.22E-33
Allergic asthma	MET	cg25299676	rs41781	C	T	0.147	0.025	0.357	4.40E-09	-0.010	0.014	0.485	0.009	34.421	TRUE	9.85E-09
Allergic asthma	MET	cg25299676	rs73716755	C	G	-0.350	0.058	0.042	1.61E-09	-0.022	0.031	0.476	0.010	36.378	TRUE	3.77E-09
Allergic asthma	MET	cg27472701	rs38849	C	G	-0.198	0.027	0.249	2.04E-13	-0.003	0.015	0.849	0.014	53.936	TRUE	4.13E-13
Allergic asthma	MGC3771	cg08835910	rs409646	G	C	-0.178	0.030	0.196	2.11E-09	0.016	0.017	0.351	0.010	35.853	TRUE	5.72E-09
Allergic asthma	MGC3771	cg27367045	rs2741932	G	A	-0.368	0.029	0.199	7.53E-36	0.019	0.017	0.276	0.041	156.148	TRUE	3.44E-34
Allergic asthma	MLKL	cg01046070	rs1125804	A	G	-0.146	0.024	0.467	8.28E-10	-0.005	0.014	0.698	0.010	37.673	TRUE	1.56E-09
Allergic asthma	MLKL	cg01046070	rs113406118	A	G	0.524	0.060	0.039	4.05E-18	0.077	0.045	0.082	0.020	75.255	TRUE	5.37E-17
Allergic asthma	MLKL	cg01046070	rs11648541	T	G	-0.153	0.025	0.325	1.63E-09	0.010	0.014	0.472	0.010	36.350	TRUE	3.84E-09
Allergic asthma	MLKL	cg01046070	rs1966512	G	A	-0.229	0.032	0.160	9.30E-13	-0.006	0.017	0.707	0.014	50.960	TRUE	2.11E-12
Allergic asthma	MLKL	cg01046070	rs2240247	T	C	-0.216	0.033	0.154	5.73E-11	-0.027	0.019	0.148	0.011	42.887	TRUE	2.65E-10
Allergic asthma	MLKL	cg01046070	rs2870147	G	A	0.311	0.039	0.193	2.17E-15	0.008	0.016	0.611	0.017	62.872	TRUE	6.70E-15
Allergic asthma	MLKL	cg01046070	rs35534917	T	C	-0.244	0.040	0.087	1.56E-09	-0.022	0.034	0.529	0.010	36.437	TRUE	3.45E-09
Allergic asthma	MLKL	cg01046070	rs4556811	C	T	0.145	0.024	0.388	1.59E-09	0.006	0.014	0.664	0.010	36.404	TRUE	3.05E-09
Allergic asthma	MLKL	cg01046070	rs62053585	T	A	-0.198	0.024	0.417	1.31E-16	0.001	0.014	0.961	0.018	68.407	TRUE	2.82E-16
Allergic asthma	MLKL	cg01046070	rs72792727	G	A	-0.244	0.037	0.118	4.01E-11	-0.013	0.023	0.572	0.012	43.584	TRUE	9.49E-11
Allergic asthma	MLKL	cg01046070	rs8055156	C	A	-0.257	0.023	0.485	6.98E-28	-0.012	0.014	0.393	0.031	119.741	TRUE	9.62E-27
Allergic asthma	MLKL	cg01046070	rs9930260	A	G	0.259	0.028	0.233	6.78E-21	0.007	0.016	0.647	0.023	87.883	TRUE	3.06E-20
Allergic asthma	MLKL	cg01046070	rs9932977	G	A	0.601	0.023	0.425	4.92E-151	0.027	0.014	0.043	0.156	684.840	TRUE	5.93E-138
Allergic asthma	MLKL	cg02135682	rs1076251	T	G	-0.236	0.027	0.249	7.75E-18	0.008	0.015	0.580	0.020	73.976	TRUE	3.03E-17
Allergic asthma	MLKL	cg02135682	rs13334241	G	A	-0.191	0.033	0.155	7.03E-09	0.022	0.021	0.280	0.009	33.509	TRUE	2.01E-08
Allergic asthma	MLKL	cg02135682	rs2870147	G	A	-0.235	0.039	0.193	2.06E-09	0.008	0.016	0.611	0.010	35.897	TRUE	4.13E-09
Allergic asthma	MLKL	cg02135682	rs35589326	G	A	-1.273	0.140	0.015	1.20E-19	0.038	0.068	0.574	0.022	82.212	TRUE	5.46E-19
Allergic asthma	MLKL	cg02135682	rs4247497	T	C	-0.193	0.028	0.235	8.12E-12	0.015	0.016	0.367	0.012	46.712	TRUE	2.65E-11
Allergic asthma	MLKL	cg02135682	rs7359422	C	T	0.214	0.028	0.226	2.82E-14	-0.010	0.017	0.556	0.015	57.823	TRUE	8.63E-14
Allergic asthma	MLKL	cg02135682	rs73616447	G	A	0.176	0.024	0.372	2.63E-13	-0.008	0.015	0.581	0.014	53.437	TRUE	7.24E-13
Allergic asthma	MLKL	cg02135682	rs9932977	G	A	-0.538	0.023	0.425	8.91E-120	0.027	0.014	0.043	0.128	541.202	TRUE	1.94E-110
Allergic asthma	MLKL	cg07846061	rs111757997	A	G	0.335	0.049	0.056	8.72E-12	-0.048	0.032	0.126	0.012	46.571	TRUE	4.70E-11
Allergic asthma	MLKL	cg07846061	rs117101562	T	C	-1.157	0.092	0.014	5.15E-36	0.041	0.089	0.648	0.041	156.902	TRUE	9.53E-35

Allergic asthma	MLKL	cg07846061	rs117458765	G	A	0.142	0.025	0.329	2.67E-08	0.028	0.015	0.062	0.008	30.916	TRUE	1.21E-07
Allergic asthma	MLKL	cg07846061	rs117735876	C	T	-0.687	0.112	0.021	9.43E-10	-0.021	0.081	0.797	0.010	37.419	TRUE	1.61E-09
Allergic asthma	MLKL	cg07846061	rs12446128	C	G	-0.140	0.024	0.395	5.51E-09	0.001	0.014	0.967	0.009	33.980	TRUE	7.75E-09
Allergic asthma	MLKL	cg07846061	rs12448188	G	A	-0.383	0.027	0.255	3.27E-45	0.003	0.016	0.839	0.051	199.002	TRUE	1.12E-43
Allergic asthma	MLKL	cg07846061	rs2240249	T	A	-0.249	0.024	0.376	5.88E-25	-0.003	0.014	0.850	0.028	106.392	TRUE	2.70E-24
Allergic asthma	MLKL	cg07846061	rs2240253	T	G	-0.322	0.025	0.331	1.47E-37	0.016	0.014	0.228	0.042	163.974	TRUE	9.77E-36
Allergic asthma	MLKL	cg07846061	rs3916001	G	C	-0.308	0.024	0.389	1.31E-36	-0.002	0.014	0.901	0.041	159.617	TRUE	1.58E-35
Allergic asthma	MLKL	cg07846061	rs4544266	C	A	-0.433	0.024	0.372	6.76E-72	0.012	0.014	0.372	0.080	321.346	TRUE	3.84E-68
Allergic asthma	MLKL	cg07846061	rs4985360	G	A	0.142	0.025	0.337	1.29E-08	-0.006	0.014	0.682	0.009	32.327	TRUE	2.29E-08
Allergic asthma	MLKL	cg07846061	rs57024259	T	G	0.362	0.046	0.066	2.89E-15	-0.017	0.024	0.463	0.017	62.303	TRUE	1.09E-14
Allergic asthma	MLKL	cg07846061	rs7196131	C	T	0.248	0.044	0.069	1.38E-08	-0.020	0.020	0.338	0.009	32.195	TRUE	3.55E-08
Allergic asthma	MLKL	cg07846061	rs72792727	G	A	-1.092	0.035	0.118	1.23E-218	-0.013	0.023	0.572	0.212	995.621	TRUE	9.17E-198
Allergic asthma	MLKL	cg07846061	rs72792741	T	G	0.635	0.023	0.404	9.23E-170	-0.013	0.014	0.355	0.172	770.915	TRUE	1.17E-155
Allergic asthma	MLKL	cg07846061	rs72794797	G	A	-0.728	0.057	0.048	1.90E-37	0.001	0.025	0.977	0.042	163.463	TRUE	2.15E-36
Allergic asthma	MLKL	cg07846061	rs72798623	A	G	0.171	0.027	0.265	2.06E-10	-0.001	0.015	0.929	0.011	40.386	TRUE	3.23E-10
Allergic asthma	MLKL	cg07846061	rs72803159	A	G	-0.423	0.076	0.024	2.80E-08	0.122	0.054	0.026	0.008	30.828	TRUE	1.60E-07
Allergic asthma	MLKL	cg07846061	rs78227885	A	G	0.321	0.036	0.118	8.80E-19	0.013	0.024	0.589	0.021	78.268	TRUE	3.66E-18
Allergic asthma	MLKL	cg07846061	rs78746225	A	C	-0.578	0.100	0.014	6.37E-09	0.079	0.066	0.231	0.009	33.701	TRUE	1.99E-08
Allergic asthma	MLKL	cg07846061	rs9929068	A	G	0.207	0.033	0.146	4.03E-10	-0.022	0.017	0.195	0.010	39.079	TRUE	1.52E-09
Allergic asthma	MLKL	cg08357850	rs9932977	G	A	-0.156	0.024	0.425	3.50E-11	0.027	0.014	0.043	0.012	43.853	TRUE	2.57E-10
Allergic asthma	MLKL	cg10284440	rs111911076	T	C	-0.447	0.076	0.025	4.06E-09	0.025	0.043	0.568	0.009	34.576	TRUE	8.34E-09
Allergic asthma	MLKL	cg10284440	rs113406118	A	G	-0.512	0.060	0.039	1.89E-17	0.077	0.045	0.082	0.019	72.215	TRUE	2.32E-16
Allergic asthma	MLKL	cg10284440	rs11645307	T	C	0.273	0.025	0.327	3.58E-28	-0.011	0.016	0.483	0.032	121.066	TRUE	4.17E-27
Allergic asthma	MLKL	cg10284440	rs117101562	T	C	0.602	0.093	0.014	9.51E-11	0.041	0.089	0.648	0.011	41.897	TRUE	2.01E-10
Allergic asthma	MLKL	cg10284440	rs117769071	A	G	0.483	0.077	0.039	4.35E-10	0.023	0.039	0.558	0.010	38.929	TRUE	9.69E-10
Allergic asthma	MLKL	cg10284440	rs117856400	C	T	-0.625	0.092	0.036	1.17E-11	0.029	0.029	0.320	0.012	46.002	TRUE	4.05E-11
Allergic asthma	MLKL	cg10284440	rs142234404	C	T	-0.415	0.071	0.025	5.32E-09	0.028	0.031	0.358	0.009	34.049	TRUE	1.38E-08
Allergic asthma	MLKL	cg10284440	rs200269	A	C	-0.260	0.030	0.190	2.81E-18	0.023	0.018	0.203	0.020	75.974	TRUE	2.38E-17
Allergic asthma	MLKL	cg10284440	rs241371	A	C	-0.293	0.028	0.216	3.37E-25	0.001	0.017	0.929	0.028	107.494	TRUE	1.40E-24
Allergic asthma	MLKL	cg10284440	rs2870147	G	A	-0.322	0.039	0.193	1.84E-16	0.008	0.016	0.611	0.018	67.730	TRUE	6.17E-16
Allergic asthma	MLKL	cg10284440	rs56313952	G	A	0.181	0.025	0.307	1.20E-12	0.011	0.014	0.418	0.013	50.455	TRUE	3.91E-12
Allergic asthma	MLKL	cg10284440	rs57024259	T	G	0.269	0.046	0.066	4.16E-09	-0.017	0.024	0.463	0.009	34.527	TRUE	9.59E-09
Allergic asthma	MLKL	cg10284440	rs62051099	A	T	-0.153	0.026	0.267	6.92E-09	0.005	0.015	0.707	0.009	33.538	TRUE	1.22E-08
Allergic asthma	MLKL	cg10284440	rs62053580	G	A	0.203	0.032	0.161	2.77E-10	0.008	0.021	0.704	0.011	39.808	TRUE	5.37E-10
Allergic asthma	MLKL	cg10284440	rs7197306	C	T	0.265	0.033	0.150	1.02E-15	-0.028	0.020	0.167	0.017	64.352	TRUE	7.37E-15
Allergic asthma	MLKL	cg10284440	rs72792727	G	A	0.430	0.037	0.118	7.06E-32	-0.013	0.023	0.572	0.036	137.988	TRUE	9.93E-31
Allergic asthma	MLKL	cg10284440	rs9925807	G	C	-0.295	0.030	0.180	2.05E-22	0.004	0.016	0.809	0.025	94.806	TRUE	8.18E-22
Allergic asthma	MLKL	cg10284440	rs9932977	G	A	-0.709	0.022	0.425	3.27E-219	0.027	0.014	0.043	0.213	998.262	TRUE	5.32E-196
Allergic asthma	MSX1	cg01785568	rs28529683	G	C	-0.248	0.034	0.137	2.00E-13	0.002	0.016	0.894	0.014	53.979	TRUE	3.84E-13
Allergic asthma	MSX1	cg01785568	rs67362914	C	T	-0.235	0.039	0.101	1.90E-09	0.029	0.019	0.120	0.010	36.056	TRUE	8.02E-09
Allergic asthma	MSX1	cg03199651	rs56398386	T	C	-0.226	0.031	0.170	2.87E-13	0.004	0.017	0.821	0.014	53.265	TRUE	5.94E-13
Allergic asthma	MSX1	cg03335246	rs145178606	A	C	-0.577	0.088	0.020	4.64E-11	-0.039	0.052	0.458	0.012	43.300	TRUE	1.26E-10

Allergic asthma	MSX1	cg03335246	rs3821949	A	G	-0.446	0.037	0.231	7.48E-33	0.031	0.015	0.033	0.037	142.443	TRUE	1.02E-30
Allergic asthma	MSX1	cg03335246	rs4234836	G	A	-0.139	0.024	0.487	5.18E-09	0.001	0.014	0.967	0.009	34.102	TRUE	7.29E-09
Allergic asthma	MSX1	cg03335246	rs4566595	C	A	0.205	0.024	0.379	5.27E-17	-0.005	0.015	0.761	0.019	70.194	TRUE	1.51E-16
Allergic asthma	MSX1	cg03335246	rs6821947	C	G	-0.160	0.029	0.198	3.68E-08	-0.005	0.017	0.766	0.008	30.297	TRUE	5.89E-08
Allergic asthma	MSX1	cg03335246	rs77291978	G	C	-0.401	0.040	0.091	9.54E-24	0.047	0.019	0.016	0.027	100.872	TRUE	5.38E-22
Allergic asthma	MSX1	cg03672274	rs180826715	A	C	-0.233	0.038	0.217	1.12E-09	0.023	0.015	0.130	0.010	37.086	TRUE	4.72E-09
Allergic asthma	MSX1	cg03672274	rs4423815	A	G	0.139	0.024	0.427	4.57E-09	-0.007	0.015	0.648	0.009	34.348	TRUE	8.63E-09
Allergic asthma	MSX1	cg04100843	rs180826715	A	C	-0.262	0.039	0.217	1.14E-11	0.023	0.015	0.130	0.012	46.055	TRUE	5.97E-11
Allergic asthma	MSX1	cg04100843	rs56398386	T	C	-0.180	0.031	0.170	6.62E-09	0.004	0.017	0.821	0.009	33.626	TRUE	1.05E-08
Allergic asthma	MSX1	cg04660422	rs73194720	T	C	0.254	0.032	0.167	1.85E-15	-0.004	0.019	0.844	0.017	63.189	TRUE	4.28E-15
Allergic asthma	MSX1	cg08121252	rs13435489	C	T	-0.335	0.049	0.054	1.22E-11	-0.018	0.031	0.570	0.012	45.917	TRUE	3.00E-11
Allergic asthma	MSX1	cg08121252	rs4689955	C	T	0.150	0.024	0.479	1.73E-10	-0.007	0.014	0.640	0.011	40.729	TRUE	3.63E-10
Allergic asthma	MSX1	cg09573795	rs4395446	G	A	0.192	0.027	0.268	6.25E-13	0.018	0.014	0.203	0.014	51.739	TRUE	3.08E-12
Allergic asthma	MSX1	cg09573795	rs6446716	G	A	0.128	0.024	0.396	4.92E-08	-0.010	0.014	0.460	0.008	29.732	TRUE	1.04E-07
Allergic asthma	MSX1	cg09748975	rs112626763	C	T	-0.411	0.064	0.035	1.65E-10	0.002	0.023	0.931	0.011	40.819	TRUE	2.59E-10
Allergic asthma	MSX1	cg09748975	rs12512455	T	C	-0.148	0.024	0.423	4.33E-10	0.018	0.014	0.189	0.010	38.939	TRUE	1.65E-09
Allergic asthma	MSX1	cg09748975	rs67362914	C	T	-0.220	0.039	0.101	1.96E-08	0.029	0.019	0.120	0.008	31.521	TRUE	7.35E-08
Allergic asthma	MSX1	cg09918082	rs10029682	A	C	-0.303	0.048	0.059	3.08E-10	-0.029	0.031	0.350	0.011	39.601	TRUE	9.00E-10
Allergic asthma	MSX1	cg09918082	rs11944652	C	T	0.150	0.023	0.470	1.37E-10	0.008	0.014	0.548	0.011	41.190	TRUE	3.20E-10
Allergic asthma	MSX1	cg10266211	rs3821949	A	G	-0.213	0.038	0.231	1.51E-08	0.031	0.015	0.033	0.009	32.017	TRUE	8.44E-08
Allergic asthma	MSX1	cg13882284	rs80183133	G	A	0.256	0.043	0.074	1.66E-09	0.051	0.021	0.017	0.010	36.322	TRUE	1.25E-08
Allergic asthma	MSX1	cg14039306	rs2131453	C	G	-0.490	0.042	0.169	8.56E-31	-0.023	0.018	0.213	0.035	133.036	TRUE	2.70E-29
Allergic asthma	MSX1	cg14039306	rs28444462	T	A	-0.452	0.050	0.059	8.13E-20	-0.029	0.031	0.353	0.022	82.974	TRUE	5.57E-19
Allergic asthma	MSX1	cg14039306	rs35995608	A	T	0.289	0.040	0.096	2.48E-13	0.004	0.029	0.897	0.014	53.554	TRUE	4.73E-13
Allergic asthma	MSX1	cg14039306	rs3821949	A	G	-0.272	0.038	0.231	4.93E-13	0.031	0.015	0.033	0.014	52.205	TRUE	5.04E-12
Allergic asthma	MSX1	cg14039306	rs4425311	A	G	-0.274	0.048	0.064	1.03E-08	-0.040	0.030	0.178	0.009	32.764	TRUE	3.48E-08
Allergic asthma	MSX1	cg14039306	rs4511945	G	C	0.182	0.028	0.249	3.82E-11	-0.014	0.018	0.417	0.012	43.682	TRUE	1.10E-10
Allergic asthma	MSX1	cg14039306	rs4689966	A	G	-0.306	0.024	0.343	1.01E-36	-0.016	0.014	0.258	0.041	160.145	TRUE	5.43E-35
Allergic asthma	MSX1	cg14039306	rs60145083	A	G	0.183	0.024	0.499	9.72E-15	0.005	0.014	0.737	0.016	59.919	TRUE	2.44E-14
Allergic asthma	MSX1	cg14039306	rs74874242	T	C	-0.381	0.064	0.036	2.74E-09	0.003	0.023	0.908	0.009	35.340	TRUE	4.12E-09
Allergic asthma	MSX1	cg15696627	rs13435455	A	C	-0.318	0.050	0.054	1.67E-10	-0.018	0.031	0.554	0.011	40.796	TRUE	3.86E-10
Allergic asthma	MSX1	cg17814781	rs113018018	A	G	0.346	0.033	0.139	1.82E-25	-0.004	0.019	0.847	0.029	108.715	TRUE	8.75E-25
Allergic asthma	MSX1	cg17814781	rs12650460	C	G	0.149	0.025	0.307	3.84E-09	0.029	0.014	0.040	0.009	34.685	TRUE	2.20E-08
Allergic asthma	MSX1	cg17814781	rs4566595	C	A	-0.232	0.024	0.379	2.45E-21	-0.005	0.015	0.761	0.024	89.894	TRUE	9.67E-21
Allergic asthma	MSX1	cg17814781	rs61482971	G	A	0.245	0.033	0.151	5.21E-14	-0.008	0.022	0.726	0.015	56.619	TRUE	1.26E-13
Allergic asthma	MSX1	cg17938612	rs13435489	C	T	0.493	0.050	0.054	2.74E-23	-0.018	0.031	0.570	0.026	98.784	TRUE	1.72E-22
Allergic asthma	MSX1	cg17938612	rs2968688	C	G	0.179	0.030	0.194	1.86E-09	-0.007	0.016	0.659	0.010	36.091	TRUE	3.58E-09
Allergic asthma	MSX1	cg17938612	rs4423815	A	G	0.133	0.024	0.427	2.19E-08	-0.007	0.015	0.648	0.008	31.298	TRUE	3.96E-08
Allergic asthma	MSX1	cg20588069	rs3821949	A	G	-0.387	0.037	0.231	4.15E-25	0.031	0.015	0.033	0.028	107.083	TRUE	2.01E-23
Allergic asthma	MSX1	cg20588069	rs4234836	G	A	-0.165	0.024	0.487	3.31E-12	0.001	0.014	0.967	0.013	48.467	TRUE	5.50E-12
Allergic asthma	MSX1	cg20588069	rs4566595	C	A	0.181	0.024	0.379	1.30E-13	-0.005	0.015	0.761	0.015	54.822	TRUE	2.94E-13
Allergic asthma	MSX1	cg20588069	rs6821947	C	G	-0.162	0.029	0.198	2.29E-08	-0.005	0.017	0.766	0.008	31.211	TRUE	3.72E-08

Allergic asthma	MSX1	cg20588069	rs78255553	C	T	-0.322	0.039	0.093	3.29E-16	0.045	0.019	0.021	0.018	66.584	TRUE	6.02E-15
Allergic asthma	MSX1	cg21538208	rs12512455	T	C	-0.133	0.024	0.423	2.03E-08	0.018	0.014	0.189	0.008	31.447	TRUE	6.51E-08
Allergic asthma	MSX1	cg21689228	rs180826715	A	C	0.314	0.038	0.217	2.57E-16	0.023	0.015	0.130	0.018	67.074	TRUE	2.24E-15
Allergic asthma	MSX1	cg21689228	rs4234836	G	A	0.169	0.024	0.487	8.74E-13	0.001	0.014	0.967	0.014	51.080	TRUE	1.50E-12
Allergic asthma	MSX1	cg21689228	rs4689955	C	T	-0.168	0.024	0.479	9.47E-13	-0.007	0.014	0.640	0.014	50.923	TRUE	2.33E-12
Allergic asthma	MSX1	cg21689228	rs6446700	G	A	0.234	0.024	0.489	2.47E-23	0.020	0.014	0.140	0.026	98.987	TRUE	4.47E-22
Allergic asthma	MSX1	cg21689228	rs73194720	T	C	0.343	0.032	0.167	3.18E-27	-0.004	0.019	0.844	0.031	116.732	TRUE	1.78E-26
Allergic asthma	MSX1	cg21689228	rs7666443	C	T	0.136	0.024	0.471	9.37E-09	0.026	0.014	0.053	0.009	32.950	TRUE	4.73E-08
Allergic asthma	MSX1	cg22256027	rs6817411	T	C	0.154	0.023	0.467	4.55E-11	0.008	0.014	0.578	0.012	43.339	TRUE	1.06E-10
Allergic asthma	MSX1	cg22371591	rs10019032	T	C	0.309	0.048	0.061	1.33E-10	-0.023	0.030	0.444	0.011	41.244	TRUE	3.53E-10
Allergic asthma	MSX1	cg22609784	rs11944652	C	T	0.208	0.024	0.470	7.96E-19	0.008	0.014	0.548	0.021	78.466	TRUE	3.54E-18
Allergic asthma	MSX1	cg22609784	rs35751866	A	C	0.177	0.027	0.243	1.01E-10	-0.011	0.016	0.483	0.011	41.770	TRUE	2.59E-10
Allergic asthma	MSX1	cg24469464	rs73193155	A	G	0.300	0.035	0.134	1.91E-17	0.002	0.024	0.919	0.019	72.199	TRUE	4.59E-17
Allergic asthma	MSX1	cg24840099	rs148259940	A	G	-0.618	0.100	0.014	5.54E-10	0.071	0.091	0.436	0.010	38.456	TRUE	1.41E-09
Allergic asthma	MSX1	cg24840099	rs2968684	T	C	-0.201	0.034	0.136	4.32E-09	-0.003	0.016	0.860	0.009	34.454	TRUE	6.72E-09
Allergic asthma	MSX1	cg25144207	rs13109344	G	A	-0.168	0.028	0.223	2.91E-09	-0.002	0.015	0.873	0.009	35.221	TRUE	4.52E-09
Allergic asthma	MSX1	cg25144207	rs3111689	G	T	-0.302	0.038	0.210	2.18E-15	0.003	0.015	0.856	0.017	62.864	TRUE	4.95E-15
Allergic asthma	MSX1	cg27038439	rs113083992	A	G	-0.446	0.064	0.035	3.04E-12	0.002	0.023	0.938	0.013	48.638	TRUE	5.21E-12
Allergic asthma	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	-0.018	0.026	0.500	0.009	33.747	TRUE	1.36E-08
Allergic asthma	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	0.060	0.014	1.13E-05	0.010	37.260	TRUE	3.20E-08
Allergic asthma	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	0.043	0.013	0.002	0.016	58.608	TRUE	5.79E-13
Allergic asthma	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	-0.007	0.070	0.926	0.012	43.052	TRUE	8.54E-11
Allergic asthma	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	-0.033	0.058	0.563	0.008	29.937	TRUE	8.49E-08
Allergic asthma	MTOR	cg04310074	rs12121319	T	C	-0.994	0.082	0.024	4.72E-34	-0.074	0.029	0.010	0.038	147.929	TRUE	1.38E-31
Allergic asthma	MTOR	cg07922924	rs17036458	A	G	-1.030	0.082	0.024	8.89E-36	-0.078	0.030	0.009	0.040	155.818	TRUE	3.61E-33
Allergic asthma	MTOR	cg08854313	rs11121717	C	T	-0.662	0.085	0.035	4.84E-15	0.006	0.029	0.846	0.016	61.293	TRUE	1.09E-14
Allergic asthma	MTOR	cg08854313	rs12033594	G	T	-0.216	0.027	0.261	2.25E-15	0.013	0.014	0.363	0.017	62.798	TRUE	1.01E-14
Allergic asthma	MTOR	cg08854313	rs1281014	A	G	-0.402	0.065	0.039	5.72E-10	-0.003	0.029	0.908	0.010	38.394	TRUE	8.93E-10
Allergic asthma	MTOR	cg08854313	rs2788562	C	T	0.319	0.023	0.443	3.06E-43	-0.019	0.014	0.167	0.049	189.972	TRUE	5.58E-41
Allergic asthma	MTOR	cg08854313	rs41274510	A	G	-0.677	0.072	0.030	3.64E-21	-0.011	0.042	0.794	0.024	89.112	TRUE	1.35E-20
Allergic asthma	MTOR	cg08854313	rs4845854	T	C	-0.862	0.022	0.288	<1E-200	-0.020	0.015	0.175	0.286	1484.902	TRUE	1.89E-282
Allergic asthma	MTOR	cg08854313	rs61775592	C	A	0.205	0.033	0.151	3.61E-10	0.043	0.021	0.038	0.011	39.293	TRUE	2.42E-09
Allergic asthma	MTOR	cg08854313	rs7543488	C	T	-0.182	0.030	0.194	7.53E-10	0.028	0.016	0.073	0.010	37.858	TRUE	3.95E-09
Allergic asthma	MTOR	cg10315903	rs2744815	G	A	0.144	0.026	0.303	1.64E-08	-0.005	0.015	0.727	0.009	31.862	TRUE	2.78E-08
Allergic asthma	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	-0.024	0.023	0.294	0.010	35.627	TRUE	6.95E-09
Allergic asthma	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	-0.023	0.015	0.139	0.011	40.101	TRUE	1.05E-09
Allergic asthma	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	0.030	0.014	0.028	0.016	59.363	TRUE	1.71E-13
Allergic asthma	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	-0.049	0.019	0.012	0.018	69.319	TRUE	1.96E-15
Allergic asthma	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	0.114	0.052	0.028	0.020	73.825	TRUE	1.69E-16
Allergic asthma	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	0.014	0.025	0.574	0.011	42.813	TRUE	1.39E-10
Allergic asthma	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	0.018	0.014	0.191	0.105	436.012	TRUE	1.21E-90
Allergic asthma	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	-0.015	0.017	0.384	0.009	34.701	TRUE	9.67E-09

Allergic asthma	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	0.021	0.014	0.132	0.027	102.085	TRUE	1.05E-22
Allergic asthma	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	-0.038	0.029	0.189	0.013	47.353	TRUE	2.70E-11
Allergic asthma	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	-0.029	0.020	0.144	0.027	103.029	TRUE	6.32E-23
Allergic asthma	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	0.019	0.014	0.160	0.034	131.110	TRUE	8.39E-29
Allergic asthma	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	0.021	0.014	0.132	0.009	31.786	TRUE	6.26E-08
Allergic asthma	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	0.061	0.047	0.192	0.035	135.131	TRUE	1.07E-29
Allergic asthma	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	-0.028	0.014	0.037	0.018	67.714	TRUE	2.83E-15
Allergic asthma	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	-0.028	0.014	0.043	0.012	43.170	TRUE	3.58E-10
Allergic asthma	NACC2	cg00236077	rs7028545	T	C	-0.254	0.023	0.495	1.92E-27	0.001	0.014	0.921	0.031	117.735	TRUE	9.67E-27
Allergic asthma	NACC2	cg00236077	rs72773737	A	T	-1.268	0.062	0.036	1.89E-92	0.026	0.026	0.325	0.101	415.694	TRUE	5.99E-87
Allergic asthma	NACC2	cg00648203	rs11792837	A	C	0.229	0.031	0.169	1.04E-13	0.011	0.016	0.474	0.015	55.251	TRUE	3.42E-13
Allergic asthma	NACC2	cg00648203	rs1747842	T	C	0.278	0.051	0.062	3.84E-08	0.052	0.031	0.095	0.008	30.214	TRUE	1.50E-07
Allergic asthma	NACC2	cg00648203	rs4842105	A	G	-0.603	0.027	0.233	4.08E-112	-0.034	0.017	0.040	0.120	506.010	TRUE	1.46E-103
Allergic asthma	NACC2	cg00648203	rs76689007	T	C	-0.466	0.082	0.026	1.47E-08	0.157	0.101	0.118	0.009	32.081	TRUE	5.62E-08
Allergic asthma	NACC2	cg01612110	rs11103335	G	C	-0.201	0.035	0.158	1.28E-08	-0.017	0.022	0.428	0.009	32.340	TRUE	2.96E-08
Allergic asthma	NACC2	cg01612110	rs115848636	G	T	-0.593	0.081	0.027	2.97E-13	0.160	0.101	0.113	0.014	53.198	TRUE	1.97E-12
Allergic asthma	NACC2	cg01612110	rs1622817	G	A	-0.155	0.025	0.378	2.91E-10	0.002	0.015	0.879	0.011	39.716	TRUE	4.73E-10
Allergic asthma	NACC2	cg01612110	rs1747842	T	C	0.307	0.051	0.062	1.24E-09	0.052	0.031	0.095	0.010	36.880	TRUE	5.81E-09
Allergic asthma	NACC2	cg01612110	rs55737177	A	G	0.292	0.031	0.167	5.10E-21	0.009	0.016	0.589	0.023	88.447	TRUE	2.55E-20
Allergic asthma	NACC2	cg01612110	rs79105125	C	T	-0.749	0.026	0.231	5.15E-177	-0.036	0.017	0.031	0.179	804.260	TRUE	3.48E-160
Allergic asthma	NACC2	cg03587907	rs13284838	A	C	0.153	0.025	0.338	9.90E-10	-0.012	0.014	0.378	0.010	37.325	TRUE	2.66E-09
Allergic asthma	NACC2	cg08763846	rs12003954	T	C	0.346	0.062	0.086	2.51E-08	0.034	0.026	0.190	0.008	31.037	TRUE	7.95E-08
Allergic asthma	NACC2	cg08763846	rs1717453	T	C	0.523	0.047	0.071	1.85E-28	0.048	0.025	0.050	0.032	122.370	TRUE	1.12E-26
Allergic asthma	NACC2	cg13549345	rs10745379	A	G	0.179	0.023	0.423	1.75E-14	0.000	0.014	0.984	0.016	58.760	TRUE	3.24E-14
Allergic asthma	NACC2	cg13588388	rs1717451	T	C	0.485	0.048	0.071	2.30E-24	0.048	0.025	0.050	0.027	103.692	TRUE	8.26E-23
Allergic asthma	NACC2	cg13588388	rs7034427	C	T	-0.415	0.027	0.237	4.13E-52	-0.043	0.016	0.009	0.059	230.607	TRUE	2.29E-48
Allergic asthma	NACC2	cg13923277	rs10481731	A	G	-0.246	0.043	0.064	1.20E-08	-0.058	0.051	0.253	0.009	32.462	TRUE	3.53E-08
Allergic asthma	NACC2	cg13923277	rs11103335	G	C	-0.313	0.035	0.158	6.26E-19	-0.017	0.022	0.428	0.021	78.943	TRUE	3.43E-18
Allergic asthma	NACC2	cg13923277	rs114514608	A	G	-0.555	0.081	0.024	7.82E-12	0.148	0.098	0.133	0.012	46.785	TRUE	4.14E-11
Allergic asthma	NACC2	cg13923277	rs1747872	A	G	0.394	0.069	0.066	1.40E-08	0.009	0.026	0.724	0.009	32.169	TRUE	2.39E-08
Allergic asthma	NACC2	cg13923277	rs55737177	A	G	0.211	0.031	0.167	1.13E-11	0.009	0.016	0.589	0.012	46.069	TRUE	2.72E-11
Allergic asthma	NACC2	cg13923277	rs79105125	C	T	-0.890	0.024	0.231	5.23E-299	-0.036	0.017	0.031	0.270	1365.226	TRUE	1.59E-260
Allergic asthma	NACC2	cg13978542	rs62583484	T	C	0.243	0.026	0.369	2.91E-20	-0.014	0.014	0.302	0.022	85.007	TRUE	2.32E-19
Allergic asthma	NACC2	cg13979562	rs4842101	G	A	-0.552	0.025	0.285	3.11E-104	-0.025	0.015	0.099	0.113	469.806	TRUE	6.22E-97
Allergic asthma	NACC2	cg14126392	rs11790228	T	A	0.137	0.025	0.339	4.07E-08	-0.010	0.014	0.455	0.008	30.098	TRUE	8.75E-08
Allergic asthma	NACC2	cg14147151	rs4842091	G	A	0.364	0.036	0.246	1.58E-23	-0.019	0.015	0.211	0.026	99.875	TRUE	2.24E-22
Allergic asthma	NACC2	cg14175330	rs4842091	G	A	0.206	0.036	0.246	1.43E-08	-0.019	0.015	0.211	0.009	32.127	TRUE	4.47E-08
Allergic asthma	NACC2	cg14242024	rs4842104	C	T	-0.159	0.026	0.260	1.90E-09	-0.021	0.016	0.193	0.010	36.052	TRUE	6.73E-09
Allergic asthma	NACC2	cg14253096	rs55987927	T	C	-0.284	0.041	0.094	3.32E-12	0.007	0.019	0.692	0.013	48.465	TRUE	7.39E-12
Allergic asthma	NACC2	cg14253096	rs77639581	A	G	0.249	0.037	0.116	2.73E-11	-0.024	0.026	0.345	0.012	44.334	TRUE	8.83E-11
Allergic asthma	NACC2	cg14350701	rs185043138	G	A	-0.364	0.058	0.044	2.66E-10	0.026	0.026	0.325	0.011	39.887	TRUE	8.12E-10
Allergic asthma	NACC2	cg14350701	rs4419885	C	G	-0.293	0.025	0.316	3.55E-32	-0.010	0.015	0.513	0.036	139.355	TRUE	5.82E-31

Allergic asthma	NACC2	cg14618312	rs4842104	C	T	-0.226	0.027	0.260	3.78E-17	-0.021	0.016	0.193	0.019	70.849	TRUE	2.92E-16
Allergic asthma	NACC2	cg18768887	rs1717453	T	C	-0.363	0.048	0.071	2.50E-14	0.048	0.025	0.050	0.015	58.058	TRUE	2.60E-13
Allergic asthma	NACC2	cg21229179	rs35062806	A	G	0.278	0.035	0.158	4.10E-15	-0.019	0.022	0.394	0.016	61.617	TRUE	1.70E-14
Allergic asthma	NACC2	cg21229179	rs77190494	A	G	0.542	0.075	0.018	6.34E-13	0.004	0.082	0.961	0.014	51.712	TRUE	1.10E-12
Allergic asthma	NACC2	cg21229179	rs79105125	C	T	0.382	0.027	0.231	4.02E-44	-0.036	0.017	0.031	0.050	194.009	TRUE	2.89E-41
Allergic asthma	NACC2	cg22747092	rs11103328	T	G	-0.321	0.048	0.071	1.86E-11	0.048	0.025	0.050	0.012	45.093	TRUE	1.35E-10
Allergic asthma	NAGLU	cg19705541	rs36010851	A	G	-1.063	0.178	0.011	2.11E-09	0.056	0.159	0.723	0.010	35.848	TRUE	3.79E-09
Allergic asthma	NAGLU	cg19705541	rs629286	T	C	-0.345	0.055	0.047	2.70E-10	0.047	0.023	0.037	0.011	39.857	TRUE	1.86E-09
Allergic asthma	NFKB1	cg00790535	rs112730086	A	G	-1.037	0.135	0.012	1.45E-14	-0.007	0.050	0.893	0.016	59.131	TRUE	3.00E-14
Allergic asthma	NFKB1	cg00790535	rs116278158	G	C	-0.403	0.062	0.028	9.31E-11	0.042	0.047	0.370	0.011	41.938	TRUE	2.77E-10
Allergic asthma	NFKB1	cg00790535	rs147313775	C	T	-0.577	0.066	0.031	1.57E-18	-0.007	0.041	0.857	0.020	77.122	TRUE	4.41E-18
Allergic asthma	NFKB1	cg00790535	rs62328536	A	C	-0.195	0.025	0.340	2.29E-15	-0.026	0.014	0.068	0.017	62.766	TRUE	2.39E-14
Allergic asthma	NFKB1	cg09390974	rs10004772	A	T	-0.315	0.037	0.109	3.11E-17	0.026	0.025	0.301	0.019	71.233	TRUE	1.87E-16
Allergic asthma	NFKB1	cg09390974	rs151378	A	G	-0.147	0.023	0.486	2.21E-10	-0.015	0.014	0.277	0.011	40.248	TRUE	7.34E-10
Allergic asthma	NFKB1	cg09390974	rs182134822	A	G	0.419	0.068	0.029	8.36E-10	-0.021	0.033	0.531	0.010	37.653	TRUE	1.88E-09
Allergic asthma	NFKB1	cg09390974	rs3774938	G	A	0.721	0.021	0.397	9.70E-261	-0.041	0.014	0.003	0.243	1189.227	TRUE	1.65E-228
Allergic asthma	NFKB1	cg09390974	rs3774965	C	A	0.405	0.063	0.036	1.25E-10	-0.071	0.038	0.060	0.011	41.361	TRUE	7.74E-10
Allergic asthma	NFKB1	cg09390974	rs393223	G	A	0.253	0.025	0.345	1.21E-24	-0.014	0.014	0.318	0.028	104.961	TRUE	1.44E-23
Allergic asthma	NFKB1	cg09390974	rs4648128	G	A	0.517	0.056	0.035	2.84E-20	0.017	0.038	0.654	0.022	85.049	TRUE	1.21E-19
Allergic asthma	NFKB1	cg09390974	rs4699059	C	T	0.147	0.024	0.351	1.45E-09	-0.008	0.014	0.573	0.010	36.577	TRUE	3.07E-09
Allergic asthma	NFKB1	cg09390974	rs62327228	A	G	0.390	0.064	0.032	1.31E-09	-0.002	0.031	0.951	0.010	36.785	TRUE	1.92E-09
Allergic asthma	NFKB1	cg09390974	rs72696152	C	A	0.410	0.052	0.051	4.29E-15	-0.045	0.026	0.080	0.016	61.528	TRUE	4.06E-14
Allergic asthma	NFKB1	cg09390974	rs76016852	T	C	-0.394	0.049	0.052	1.77E-15	0.036	0.039	0.356	0.017	63.271	TRUE	8.12E-15
Allergic asthma	NFKB1	cg12615753	rs4648097	A	G	-1.239	0.131	0.012	4.19E-21	-0.058	0.056	0.295	0.023	88.833	TRUE	3.70E-20
Allergic asthma	NFKB1	cg15409712	rs10004772	A	T	-0.285	0.038	0.109	3.31E-14	0.026	0.025	0.301	0.015	57.513	TRUE	1.50E-13
Allergic asthma	NFKB1	cg15409712	rs1598857	T	C	0.722	0.021	0.397	4.09E-266	-0.041	0.014	0.003	0.247	1213.948	TRUE	7.60E-233
Allergic asthma	NFKB1	cg15409712	rs227367	A	T	0.224	0.025	0.346	1.59E-19	-0.020	0.014	0.170	0.022	81.643	TRUE	1.70E-18
Allergic asthma	NFKB1	cg15409712	rs2293995	C	T	0.318	0.056	0.050	1.62E-08	-0.053	0.032	0.100	0.009	31.885	TRUE	6.53E-08
Allergic asthma	NFKB1	cg15409712	rs4648006	T	C	0.458	0.051	0.053	5.09E-19	-0.045	0.026	0.081	0.021	79.349	TRUE	7.56E-18
Allergic asthma	NFKB1	cg15409712	rs4648128	G	A	0.381	0.057	0.035	1.56E-11	0.017	0.038	0.654	0.012	45.429	TRUE	3.47E-11
Allergic asthma	NFKB1	cg15409712	rs62327252	G	C	0.374	0.065	0.032	8.86E-09	-0.005	0.031	0.870	0.009	33.059	TRUE	1.34E-08
Allergic asthma	NFKB1	cg15409712	rs6533070	G	A	0.132	0.024	0.352	4.89E-08	-0.012	0.014	0.383	0.008	29.743	TRUE	1.13E-07
Allergic asthma	NFKB1	cg25905215	rs5026473	A	G	-0.279	0.023	0.491	9.80E-33	0.026	0.014	0.056	0.037	141.907	TRUE	9.69E-31
Allergic asthma	NFKB1	cg25905215	rs9996514	C	T	0.201	0.025	0.306	1.74E-15	-0.033	0.014	0.021	0.017	63.309	TRUE	2.86E-14
Allergic asthma	NGF	cg02987481	rs10776798	A	C	0.209	0.032	0.155	5.69E-11	0.029	0.020	0.155	0.011	42.901	TRUE	2.58E-10
Allergic asthma	NGF	cg07588253	rs80292044	A	T	0.800	0.110	0.024	2.90E-13	-0.073	0.036	0.041	0.014	53.247	TRUE	2.83E-12
Allergic asthma	NGF	cg12647496	rs2179926	G	T	0.503	0.041	0.080	5.06E-34	-0.046	0.026	0.079	0.038	147.791	TRUE	4.77E-32
Allergic asthma	NGF	cg12647496	rs2747063	C	T	-0.198	0.023	0.467	1.53E-17	-0.011	0.014	0.437	0.019	72.638	TRUE	7.29E-17
Allergic asthma	NGF	cg13845149	rs59980837	T	G	-1.303	0.100	0.013	4.01E-39	0.060	0.062	0.333	0.044	171.124	TRUE	2.26E-37
Allergic asthma	NGF	cg13845149	rs77981973	G	A	-0.666	0.087	0.019	2.09E-14	-0.012	0.061	0.848	0.016	58.413	TRUE	4.51E-14
Allergic asthma	NGF	cg20678800	rs4240542	G	C	0.180	0.030	0.192	1.60E-09	0.033	0.017	0.061	0.010	36.385	TRUE	8.56E-09
Allergic asthma	NGF	cg21420366	rs12088144	C	G	0.529	0.087	0.018	1.31E-09	0.046	0.055	0.403	0.010	36.782	TRUE	3.37E-09

Allergic asthma	NGF	cg21420366	rs141206547	T	C	0.196	0.026	0.284	4.23E-14	0.008	0.016	0.616	0.015	57.029	TRUE	1.18E-13
Allergic asthma	NGF	cg21420366	rs143199508	G	C	0.459	0.044	0.083	3.14E-25	0.005	0.029	0.869	0.028	107.632	TRUE	1.43E-24
Allergic asthma	NGF	cg21420366	rs1942216	A	C	-0.174	0.026	0.276	3.49E-11	-0.005	0.015	0.729	0.012	43.859	TRUE	6.97E-11
Allergic asthma	NGF	cg21420366	rs4839028	G	T	0.508	0.045	0.076	1.42E-29	0.005	0.022	0.828	0.033	127.458	TRUE	1.01E-28
Allergic asthma	NGF	cg25067242	rs10776798	A	C	0.232	0.032	0.155	3.40E-13	0.029	0.020	0.155	0.014	52.932	TRUE	1.95E-12
Allergic asthma	NGF	cg25067242	rs34377570	T	C	0.335	0.055	0.042	1.22E-09	-0.010	0.031	0.738	0.010	36.912	TRUE	2.20E-09
Allergic asthma	NOD1	cg04071779	rs2072687	A	C	-0.381	0.029	0.201	2.43E-38	0.014	0.017	0.426	0.043	167.548	TRUE	9.61E-37
Allergic asthma	NOD1	cg04071779	rs4722988	A	G	0.303	0.032	0.167	1.52E-21	0.009	0.019	0.655	0.024	90.843	TRUE	7.14E-21
Allergic asthma	NOD1	cg06557644	rs2284358	G	A	-0.184	0.026	0.296	7.56E-13	0.009	0.017	0.609	0.014	51.364	TRUE	1.94E-12
Allergic asthma	NOD1	cg07277549	rs41524946	G	C	0.454	0.030	0.183	2.29E-51	0.006	0.019	0.771	0.058	227.201	TRUE	1.93E-49
Allergic asthma	NOD1	cg07277549	rs6949758	C	G	-0.251	0.027	0.271	3.90E-21	0.034	0.016	0.029	0.023	88.978	TRUE	1.20E-19
Allergic asthma	NOD1	cg07277549	rs78188315	A	G	-0.460	0.081	0.020	1.58E-08	-0.118	0.091	0.193	0.009	31.939	TRUE	5.07E-08
Allergic asthma	NOD1	cg09579281	rs2284358	G	A	-0.176	0.025	0.296	5.36E-12	0.009	0.017	0.609	0.013	47.523	TRUE	1.29E-11
Allergic asthma	NOD1	cg09766547	rs5743372	A	G	-0.734	0.066	0.030	9.31E-29	0.012	0.071	0.870	0.032	123.734	TRUE	5.70E-28
Allergic asthma	NOD1	cg12999366	rs184636522	A	C	0.390	0.059	0.037	4.65E-11	-0.024	0.022	0.275	0.012	43.296	TRUE	1.65E-10
Allergic asthma	NOD1	cg12999366	rs2190504	C	T	-0.567	0.023	0.458	6.14E-135	0.028	0.014	0.041	0.142	610.868	TRUE	7.83E-124
Allergic asthma	NOD1	cg12999366	rs35719804	A	G	0.278	0.043	0.089	1.49E-10	-0.050	0.023	0.029	0.011	41.019	TRUE	1.15E-09
Allergic asthma	NOD1	cg12999366	rs4270	C	T	-0.252	0.029	0.218	4.90E-18	0.010	0.017	0.533	0.020	74.878	TRUE	2.09E-17
Allergic asthma	NOD1	cg12999366	rs758000	A	G	-0.273	0.035	0.134	6.90E-15	0.030	0.025	0.229	0.016	60.594	TRUE	3.88E-14
Allergic asthma	NOD1	cg19071544	rs13228128	T	C	0.269	0.042	0.181	1.03E-10	0.015	0.019	0.429	0.011	41.734	TRUE	2.82E-10
Allergic asthma	NOD1	cg19071544	rs139405731	A	G	0.468	0.063	0.035	1.01E-13	-0.019	0.059	0.743	0.015	55.313	TRUE	2.35E-13
Allergic asthma	NOD1	cg19071544	rs2075817	G	A	-0.293	0.026	0.276	1.61E-28	0.028	0.015	0.065	0.032	122.652	TRUE	8.43E-27
Allergic asthma	NOD1	cg19071544	rs2893375	C	A	0.738	0.029	0.183	1.84E-139	0.006	0.019	0.770	0.146	631.656	TRUE	5.51E-130
Allergic asthma	NOD1	cg22476897	rs736782	A	G	-0.229	0.030	0.190	1.95E-14	0.020	0.018	0.250	0.016	58.550	TRUE	1.00E-13
Allergic asthma	NOD1	cg22517552	rs141488154	G	T	-0.413	0.064	0.031	1.16E-10	-0.009	0.060	0.877	0.011	41.501	TRUE	1.94E-10
Allergic asthma	NOD1	cg22517552	rs4722988	A	G	-0.446	0.031	0.167	1.58E-46	0.009	0.019	0.655	0.053	205.021	TRUE	9.54E-45
Allergic asthma	NUPR1	cg01542023	rs112191041	G	A	-0.400	0.024	0.369	1.65E-63	-0.006	0.014	0.639	0.071	282.864	TRUE	1.04E-60
Allergic asthma	NUPR1	cg01542023	rs192774745	C	G	0.143	0.025	0.326	1.33E-08	-0.012	0.015	0.432	0.009	32.276	TRUE	3.04E-08
Allergic asthma	NUPR1	cg01542023	rs9934709	T	C	0.151	0.026	0.285	7.19E-09	0.058	0.018	0.002	0.009	33.464	TRUE	8.20E-08
Allergic asthma	NUPR1	cg01803679	rs148016441	A	G	0.548	0.056	0.048	9.27E-23	-0.038	0.030	0.217	0.025	96.372	TRUE	1.19E-21
Allergic asthma	NUPR1	cg01803679	rs6565261	A	C	0.151	0.026	0.292	6.07E-09	0.058	0.018	0.002	0.009	33.794	TRUE	7.09E-08
Allergic asthma	NUPR1	cg01803679	rs78721020	A	G	-0.348	0.063	0.040	3.83E-08	0.059	0.049	0.227	0.008	30.219	TRUE	1.11E-07
Allergic asthma	NUPR1	cg05590982	rs149278	C	T	-0.189	0.023	0.452	3.26E-16	-0.004	0.014	0.749	0.018	66.602	TRUE	8.94E-16
Allergic asthma	NUPR1	cg15149645	rs17640009	G	A	-0.327	0.024	0.368	7.69E-43	-0.006	0.014	0.657	0.048	188.142	TRUE	2.97E-41
Allergic asthma	NUPR1	cg16576597	rs17639997	T	G	-0.345	0.041	0.093	3.83E-17	0.079	0.035	0.023	0.019	70.825	TRUE	7.59E-16
Allergic asthma	NUPR1	cg16576597	rs4115668	A	G	0.191	0.025	0.353	6.43E-15	-0.006	0.014	0.643	0.016	60.733	TRUE	1.84E-14
Allergic asthma	OPA1	cg05652783	rs113848294	G	A	-0.857	0.070	0.032	8.46E-35	0.095	0.042	0.024	0.039	151.345	TRUE	1.80E-32
Allergic asthma	OPA1	cg05652783	rs4687448	T	C	-0.175	0.029	0.195	1.35E-09	0.017	0.018	0.333	0.010	36.717	TRUE	3.83E-09
Allergic asthma	OPA1	cg14651650	rs4597663	T	C	0.189	0.024	0.471	8.40E-16	-0.004	0.014	0.788	0.017	64.738	TRUE	2.13E-15
Allergic asthma	OPA1	cg16241473	rs181232145	A	T	-0.233	0.043	0.075	4.40E-08	-0.023	0.021	0.265	0.008	29.950	TRUE	1.19E-07
Allergic asthma	OPA1	cg23144852	rs113025828	A	T	-0.496	0.071	0.032	2.16E-12	0.097	0.042	0.020	0.013	49.306	TRUE	2.38E-11
Allergic asthma	OPA1	cg23144852	rs13074400	A	T	0.158	0.026	0.299	1.40E-09	-0.001	0.015	0.971	0.010	36.652	TRUE	2.02E-09

Allergic asthma	OPA1	cg23144852	rs57302574	T	A	-0.234	0.036	0.126	1.16E-10	-0.005	0.020	0.807	0.011	41.507	TRUE	2.08E-10
Allergic asthma	OPA1	cg23144852	rs6793945	G	A	0.365	0.024	0.436	2.63E-54	-0.010	0.013	0.442	0.061	240.669	TRUE	7.69E-52
Allergic asthma	OPA1	cg23144852	rs9832931	A	G	-0.207	0.027	0.250	1.50E-14	0.001	0.015	0.949	0.016	59.067	TRUE	2.90E-14
Allergic asthma	ORMDL3	cg04308185	rs1467258	G	A	0.220	0.034	0.141	7.97E-11	-0.002	0.017	0.919	0.011	42.242	TRUE	1.29E-10
Allergic asthma	ORMDL3	cg04308185	rs35557848	T	C	-0.426	0.027	0.235	1.74E-54	-0.110	0.015	1.28E-12	0.061	241.491	TRUE	3.58E-47
Allergic asthma	ORMDL3	cg04308185	rs3744246	T	C	0.446	0.029	0.216	4.48E-55	-0.035	0.016	0.031	0.062	244.194	TRUE	1.80E-51
Allergic asthma	ORMDL3	cg04308185	rs4795396	T	C	0.708	0.114	0.013	5.78E-10	0.087	0.082	0.288	0.010	38.372	TRUE	1.81E-09
Allergic asthma	ORMDL3	cg08932654	rs35557848	T	C	-0.432	0.027	0.235	4.99E-56	-0.110	0.015	1.28E-12	0.063	248.563	TRUE	1.50E-48
Allergic asthma	ORMDL3	cg08932654	rs3744246	T	C	0.255	0.029	0.216	1.08E-18	-0.035	0.016	0.031	0.021	77.865	TRUE	2.36E-17
Allergic asthma	ORMDL3	cg08932654	rs407307	A	G	0.218	0.025	0.324	5.19E-18	0.091	0.014	2.49E-10	0.020	74.766	TRUE	5.86E-15
Allergic asthma	ORMDL3	cg08932654	rs4795396	T	C	0.670	0.114	0.013	4.49E-09	0.087	0.082	0.288	0.009	34.380	TRUE	1.30E-08
Allergic asthma	ORMDL3	cg08932654	rs7502966	C	T	-0.144	0.024	0.427	1.31E-09	-0.064	0.014	5.95E-06	0.010	36.786	TRUE	4.36E-08
Allergic asthma	ORMDL3	cg10444806	rs35557848	T	C	-0.350	0.028	0.235	4.15E-37	-0.110	0.015	1.28E-12	0.042	161.907	TRUE	1.24E-31
Allergic asthma	ORMDL3	cg10444806	rs3744246	T	C	0.340	0.029	0.216	2.11E-32	-0.035	0.016	0.031	0.037	140.381	TRUE	2.81E-30
Allergic asthma	ORMDL3	cg10909506	rs11078916	T	C	-0.302	0.026	0.284	7.40E-31	0.086	0.015	1.17E-08	0.035	133.325	TRUE	8.13E-27
Allergic asthma	ORMDL3	cg10909506	rs114211283	A	T	-0.368	0.050	0.065	1.89E-13	0.078	0.027	0.004	0.014	54.092	TRUE	3.95E-12
Allergic asthma	ORMDL3	cg10909506	rs12946335	T	C	0.646	0.116	0.019	2.25E-08	0.092	0.081	0.256	0.008	31.249	TRUE	6.38E-08
Allergic asthma	ORMDL3	cg10909506	rs192665233	A	C	-0.475	0.078	0.039	1.16E-09	0.034	0.053	0.520	0.010	37.018	TRUE	2.61E-09
Allergic asthma	ORMDL3	cg10909506	rs2060941	T	G	0.560	0.033	0.148	1.72E-66	-0.047	0.018	0.009	0.074	296.541	TRUE	1.24E-61
Allergic asthma	ORMDL3	cg10909506	rs35797841	T	C	-0.331	0.058	0.035	1.32E-08	0.057	0.035	0.103	0.009	32.284	TRUE	5.33E-08
Allergic asthma	ORMDL3	cg10909506	rs3889369	T	A	-0.302	0.034	0.136	1.84E-18	0.028	0.024	0.233	0.020	76.808	TRUE	1.46E-17
Allergic asthma	ORMDL3	cg10909506	rs4065275	A	G	0.740	0.021	0.497	5.62E-282	-0.119	0.014	1.66E-18	0.258	1286.897	TRUE	1.10E-235
Allergic asthma	ORMDL3	cg10909506	rs471692	T	C	0.191	0.030	0.197	2.86E-10	0.002	0.019	0.907	0.011	39.744	TRUE	4.54E-10
Allergic asthma	ORMDL3	cg10909506	rs534012	C	T	0.188	0.032	0.162	6.35E-09	-0.018	0.024	0.453	0.009	33.705	TRUE	1.46E-08
Allergic asthma	ORMDL3	cg10909506	rs55913526	T	C	-0.508	0.043	0.077	7.28E-33	0.098	0.030	0.001	0.037	142.498	TRUE	4.83E-30
Allergic asthma	ORMDL3	cg10909506	rs62065216	A	G	-0.263	0.024	0.417	8.33E-29	0.080	0.013	2.78E-09	0.032	123.955	TRUE	7.89E-25
Allergic asthma	ORMDL3	cg10909506	rs62065258	A	G	-0.265	0.028	0.248	5.77E-22	0.010	0.016	0.522	0.024	92.755	TRUE	3.50E-21
Allergic asthma	ORMDL3	cg10909506	rs72825201	C	A	0.370	0.050	0.061	1.88E-13	-0.025	0.023	0.262	0.014	54.094	TRUE	8.57E-13
Allergic asthma	ORMDL3	cg10909506	rs72827105	G	C	0.333	0.048	0.160	4.59E-12	-0.096	0.017	1.09E-08	0.013	47.830	TRUE	6.62E-10
Allergic asthma	ORMDL3	cg10909506	rs72832972	T	C	-0.380	0.046	0.072	1.44E-16	0.014	0.031	0.651	0.018	68.213	TRUE	4.61E-16
Allergic asthma	ORMDL3	cg10909506	rs73985231	C	T	0.612	0.046	0.065	1.13E-39	-0.042	0.020	0.037	0.045	173.643	TRUE	3.77E-37
Allergic asthma	ORMDL3	cg12655416	rs11078892	T	C	-0.191	0.035	0.472	3.18E-08	0.013	0.014	0.327	0.008	30.578	TRUE	8.02E-08
Allergic asthma	ORMDL3	cg12655416	rs113657930	G	C	-0.490	0.059	0.042	1.27E-16	-0.056	0.033	0.091	0.018	68.467	TRUE	1.35E-15
Allergic asthma	ORMDL3	cg12655416	rs117381273	A	G	0.573	0.049	0.058	9.63E-32	-0.043	0.020	0.034	0.036	137.372	TRUE	1.11E-29
Allergic asthma	ORMDL3	cg12655416	rs12941811	T	C	-0.246	0.024	0.419	1.95E-25	0.061	0.014	6.22E-06	0.029	108.577	TRUE	1.66E-22
Allergic asthma	ORMDL3	cg12655416	rs12946335	T	C	0.660	0.116	0.019	1.13E-08	0.092	0.081	0.256	0.009	32.593	TRUE	3.29E-08
Allergic asthma	ORMDL3	cg12655416	rs16522	C	T	0.238	0.033	0.153	7.86E-13	-0.046	0.017	0.007	0.014	51.290	TRUE	1.27E-11
Allergic asthma	ORMDL3	cg12655416	rs2715555	A	G	-0.301	0.033	0.148	2.62E-20	0.023	0.020	0.235	0.023	85.210	TRUE	2.49E-19
Allergic asthma	ORMDL3	cg12655416	rs4795388	A	G	-0.146	0.027	0.276	3.94E-08	0.089	0.015	4.36E-09	0.008	30.161	TRUE	2.03E-06
Allergic asthma	ORMDL3	cg12655416	rs62066986	T	C	0.363	0.051	0.045	1.12E-12	-0.072	0.030	0.018	0.013	50.593	TRUE	1.33E-11
Allergic asthma	ORMDL3	cg12655416	rs72832924	T	C	-0.366	0.030	0.184	1.97E-34	0.049	0.022	0.030	0.039	149.661	TRUE	3.51E-32
Allergic asthma	ORMDL3	cg12655416	rs8076131	G	A	0.562	0.023	0.468	2.80E-135	-0.114	0.013	2.40E-17	0.142	612.436	TRUE	2.08E-116

Allergic asthma	ORMDL3	cg18711369	rs11078916	T	C	-0.297	0.026	0.284	5.34E-30	0.086	0.015	1.17E-08	0.034	129.405	TRUE	4.87E-26
Allergic asthma	ORMDL3	cg18711369	rs114211283	A	T	-0.434	0.050	0.065	3.18E-18	0.078	0.027	0.004	0.020	75.734	TRUE	1.39E-16
Allergic asthma	ORMDL3	cg18711369	rs12946335	T	C	0.699	0.115	0.019	1.36E-09	0.092	0.081	0.256	0.010	36.705	TRUE	4.34E-09
Allergic asthma	ORMDL3	cg18711369	rs2060941	T	G	0.512	0.033	0.148	1.01E-55	-0.047	0.018	0.009	0.063	247.160	TRUE	1.05E-51
Allergic asthma	ORMDL3	cg18711369	rs3826331	T	C	-0.292	0.024	0.395	5.46E-35	0.074	0.014	7.97E-08	0.040	152.214	TRUE	9.20E-31
Allergic asthma	ORMDL3	cg18711369	rs4065275	A	G	0.762	0.020	0.497	1.56E-302	-0.119	0.014	1.66E-18	0.275	1399.833	TRUE	9.93E-255
Allergic asthma	ORMDL3	cg18711369	rs502041	C	G	0.165	0.028	0.225	5.78E-09	-0.010	0.019	0.591	0.009	33.890	TRUE	1.15E-08
Allergic asthma	ORMDL3	cg18711369	rs534012	C	T	0.194	0.032	0.162	1.93E-09	-0.018	0.024	0.453	0.010	36.023	TRUE	4.62E-09
Allergic asthma	ORMDL3	cg18711369	rs62065258	A	G	-0.305	0.027	0.248	9.94E-29	0.010	0.016	0.522	0.032	123.605	TRUE	1.13E-27
Allergic asthma	ORMDL3	cg18711369	rs72825201	C	A	0.346	0.050	0.061	6.05E-12	-0.025	0.023	0.262	0.013	47.287	TRUE	2.39E-11
Allergic asthma	ORMDL3	cg18711369	rs72827105	G	C	0.341	0.048	0.160	1.34E-12	-0.096	0.017	1.09E-08	0.013	50.236	TRUE	2.23E-10
Allergic asthma	ORMDL3	cg18711369	rs72832972	T	C	-0.414	0.046	0.072	1.66E-19	0.014	0.031	0.651	0.022	81.558	TRUE	6.68E-19
Allergic asthma	ORMDL3	cg18711369	rs79057213	G	C	0.564	0.048	0.061	6.53E-32	-0.042	0.020	0.038	0.036	138.143	TRUE	7.25E-30
Allergic asthma	ORMDL3	cg18711369	rs79641947	T	C	-0.363	0.037	0.115	7.65E-23	0.054	0.027	0.047	0.025	96.754	TRUE	2.34E-21
Allergic asthma	ORMDL3	cg19511844	rs7502539	A	G	-0.164	0.025	0.336	7.65E-11	-0.071	0.015	1.70E-06	0.011	42.323	TRUE	4.10E-09
Allergic asthma	ORMDL3	cg22144450	rs114211283	A	T	-0.289	0.050	0.065	7.46E-09	0.078	0.027	0.004	0.009	33.392	TRUE	7.31E-08
Allergic asthma	ORMDL3	cg22144450	rs2060941	T	G	0.389	0.033	0.148	1.26E-32	-0.047	0.018	0.009	0.037	141.411	TRUE	3.27E-30
Allergic asthma	ORMDL3	cg22144450	rs2269457	C	T	-0.207	0.037	0.250	1.63E-08	0.083	0.015	1.28E-08	0.009	31.870	TRUE	8.51E-07
Allergic asthma	ORMDL3	cg22144450	rs4252596	A	C	-0.235	0.035	0.126	2.65E-11	0.038	0.026	0.137	0.012	44.396	TRUE	1.31E-10
Allergic asthma	ORMDL3	cg22144450	rs4795401	A	G	-0.468	0.023	0.495	1.31E-92	0.123	0.014	7.18E-20	0.101	416.416	TRUE	5.41E-79
Allergic asthma	ORMDL3	cg22144450	rs60082402	G	A	-0.195	0.024	0.381	3.91E-16	0.075	0.014	5.76E-08	0.018	66.248	TRUE	1.22E-13
Allergic asthma	ORMDL3	cg22144450	rs62065255	C	T	-0.208	0.027	0.253	2.50E-14	0.010	0.016	0.522	0.015	58.061	TRUE	8.04E-14
Allergic asthma	ORMDL3	cg22144450	rs73985231	C	T	0.411	0.047	0.065	1.11E-18	-0.042	0.020	0.037	0.021	77.815	TRUE	2.25E-17
Allergic asthma	ORMDL3	cg22144450	rs9897185	A	G	-0.168	0.027	0.251	8.00E-10	0.006	0.018	0.727	0.010	37.739	TRUE	1.47E-09
Allergic asthma	P4HTM	cg08455380	rs6446218	A	T	-0.198	0.025	0.315	1.09E-15	-0.036	0.014	0.012	0.017	64.227	TRUE	2.24E-14
Allergic asthma	PADI4	cg00702325	rs1748029	C	A	0.182	0.025	0.321	2.12E-13	0.032	0.014	0.025	0.014	53.858	TRUE	2.49E-12
Allergic asthma	PADI4	cg01790353	rs12025184	A	G	-0.306	0.033	0.157	7.26E-21	-0.025	0.019	0.176	0.023	87.748	TRUE	8.72E-20
Allergic asthma	PADI4	cg01790353	rs1635571	T	C	-1.545	0.052	0.045	1.98E-190	-0.025	0.035	0.473	0.190	865.934	TRUE	1.07E-173
Allergic asthma	PADI4	cg01790353	rs1886300	C	T	-0.369	0.024	0.366	2.17E-53	0.026	0.014	0.064	0.060	236.473	TRUE	3.80E-50
Allergic asthma	PADI4	cg01790353	rs2977307	C	T	-0.357	0.031	0.165	2.55E-31	0.022	0.020	0.274	0.035	135.441	TRUE	6.96E-30
Allergic asthma	PADI4	cg01790353	rs3003450	G	T	-0.234	0.025	0.341	3.87E-21	0.019	0.014	0.175	0.023	88.991	TRUE	4.81E-20
Allergic asthma	PADI4	cg01790353	rs4920600	A	G	-0.217	0.025	0.312	4.07E-18	-0.012	0.014	0.391	0.020	75.248	TRUE	2.22E-17
Allergic asthma	PADI4	cg01790353	rs55767926	C	G	-0.277	0.039	0.093	2.14E-12	0.048	0.028	0.086	0.013	49.327	TRUE	1.44E-11
Allergic asthma	PADI4	cg01790353	rs6702868	C	T	-0.501	0.053	0.053	1.54E-21	0.026	0.025	0.301	0.024	90.817	TRUE	1.39E-20
Allergic asthma	PADI4	cg01790353	rs72645519	C	A	-0.614	0.080	0.051	1.24E-14	-0.035	0.037	0.345	0.016	59.438	TRUE	5.39E-14
Allergic asthma	PADI4	cg02053132	rs11203345	T	G	-0.363	0.033	0.153	1.37E-28	-0.024	0.019	0.194	0.032	122.968	TRUE	3.60E-27
Allergic asthma	PADI4	cg02053132	rs113012552	T	C	0.225	0.030	0.184	1.41E-13	0.017	0.017	0.319	0.015	54.656	TRUE	5.84E-13
Allergic asthma	PADI4	cg02053132	rs12746451	T	C	0.494	0.047	0.061	8.34E-26	-0.034	0.027	0.213	0.029	110.259	TRUE	1.51E-24
Allergic asthma	PADI4	cg02053132	rs150138789	A	G	-0.399	0.048	0.063	7.33E-17	-0.014	0.025	0.568	0.018	69.544	TRUE	2.69E-16
Allergic asthma	PADI4	cg02053132	rs1635571	T	C	-1.689	0.052	0.045	1.88E-234	-0.025	0.035	0.473	0.224	1068.343	TRUE	1.06E-210
Allergic asthma	PADI4	cg02053132	rs182848802	T	C	-0.916	0.092	0.014	2.31E-23	0.005	0.050	0.918	0.026	99.122	TRUE	8.46E-23
Allergic asthma	PADI4	cg02053132	rs2977295	C	A	-0.309	0.031	0.182	3.88E-23	0.015	0.019	0.432	0.026	98.097	TRUE	3.10E-22

Allergic asthma	PADI4	cg02053132	rs2985875	G	A	0.160	0.025	0.317	2.76E-10	0.002	0.014	0.910	0.011	39.813	TRUE	4.38E-10
Allergic asthma	PADI4	cg02053132	rs35210719	T	C	0.206	0.024	0.395	6.78E-18	-0.032	0.014	0.023	0.020	74.240	TRUE	1.50E-16
Allergic asthma	PADI4	cg02053132	rs4595409	G	A	-0.279	0.026	0.256	4.32E-26	0.029	0.015	0.048	0.029	111.562	TRUE	1.97E-24
Allergic asthma	PADI4	cg02053132	rs72645519	C	A	-0.508	0.080	0.051	1.90E-10	-0.035	0.037	0.345	0.011	40.550	TRUE	5.69E-10
Allergic asthma	PADI4	cg02053132	rs7418084	A	G	-0.297	0.042	0.081	1.52E-12	0.053	0.033	0.106	0.013	49.989	TRUE	9.57E-12
Allergic asthma	PADI4	cg02053132	rs77946668	A	G	-0.292	0.038	0.109	7.70E-15	-0.030	0.024	0.206	0.016	60.377	TRUE	4.56E-14
Allergic asthma	PADI4	cg05124692	rs2477134	G	T	0.326	0.024	0.339	1.34E-40	0.018	0.014	0.193	0.046	177.888	TRUE	1.51E-38
Allergic asthma	PADI4	cg05124692	rs3003444	C	T	0.238	0.024	0.368	6.89E-23	0.019	0.014	0.191	0.026	96.960	TRUE	9.78E-22
Allergic asthma	PADI4	cg16091981	rs12562867	C	A	0.216	0.025	0.301	1.30E-17	0.037	0.015	0.013	0.019	72.961	TRUE	3.35E-16
Allergic asthma	PADI4	cg16091981	rs3003454	A	C	-0.188	0.025	0.306	3.87E-14	-0.027	0.015	0.062	0.015	57.202	TRUE	3.63E-13
Allergic asthma	PADI4	cg16091981	rs6586520	C	T	-0.193	0.023	0.489	1.77E-16	-0.023	0.014	0.089	0.018	67.810	TRUE	1.87E-15
Allergic asthma	PADI4	cg16091981	rs9970772	T	C	0.263	0.024	0.409	1.16E-28	0.016	0.014	0.232	0.032	123.297	TRUE	2.69E-27
Allergic asthma	PADI4	cg17747053	rs12047600	T	C	-0.340	0.023	0.418	2.95E-48	-0.030	0.014	0.029	0.054	212.945	TRUE	4.13E-45
Allergic asthma	PADI4	cg17747053	rs6673392	T	G	0.205	0.030	0.170	1.24E-11	0.025	0.017	0.139	0.012	45.884	TRUE	6.31E-11
Allergic asthma	PADI4	cg17785802	rs12733102	C	G	-0.773	0.077	0.023	6.13E-24	-0.016	0.054	0.772	0.027	101.749	TRUE	2.93E-23
Allergic asthma	PADI4	cg17785802	rs60453441	G	A	-0.174	0.031	0.183	1.56E-08	0.019	0.019	0.316	0.009	31.965	TRUE	4.10E-08
Allergic asthma	PADI4	cg18333690	rs12068422	G	A	-0.222	0.025	0.294	1.04E-18	-0.025	0.015	0.084	0.021	77.944	TRUE	1.46E-17
Allergic asthma	PADI4	cg18333690	rs12070008	T	C	-0.263	0.039	0.103	1.68E-11	-0.038	0.022	0.078	0.012	45.282	TRUE	1.06E-10
Allergic asthma	PADI4	cg18333690	rs12746451	T	C	0.277	0.047	0.061	5.35E-09	-0.034	0.027	0.213	0.009	34.039	TRUE	1.74E-08
Allergic asthma	PADI4	cg18333690	rs12752201	A	G	-0.259	0.033	0.162	2.67E-15	0.034	0.022	0.121	0.017	62.465	TRUE	2.15E-14
Allergic asthma	PADI4	cg18333690	rs3003421	C	G	0.293	0.036	0.116	1.87E-16	0.030	0.025	0.237	0.018	67.695	TRUE	1.21E-15
Allergic asthma	PADI4	cg18333690	rs3003432	G	A	0.280	0.023	0.423	6.07E-33	0.027	0.014	0.051	0.037	142.857	TRUE	6.52E-31
Allergic asthma	PADI4	cg18333690	rs7523534	A	G	0.138	0.024	0.387	1.90E-08	-0.014	0.014	0.298	0.008	31.582	TRUE	5.09E-08
Allergic asthma	PADI4	cg18333690	rs9970772	T	C	0.400	0.023	0.409	1.92E-65	0.016	0.014	0.232	0.073	291.737	TRUE	6.85E-62
Allergic asthma	PADI4	cg19159961	rs111299818	T	A	0.645	0.079	0.019	4.71E-16	-0.003	0.047	0.953	0.017	65.880	TRUE	9.92E-16
Allergic asthma	PADI4	cg19159961	rs113049463	A	G	0.340	0.041	0.092	6.06E-17	0.036	0.028	0.205	0.019	69.918	TRUE	4.45E-16
Allergic asthma	PADI4	cg19159961	rs1886302	G	A	0.306	0.024	0.367	3.33E-37	0.022	0.014	0.118	0.042	162.344	TRUE	3.61E-35
Allergic asthma	PADI4	cg19159961	rs2477134	G	T	0.755	0.021	0.339	2.64E-277	0.018	0.014	0.193	0.255	1265.412	TRUE	1.03E-244
Allergic asthma	PADI4	cg19159961	rs3003419	A	G	-0.233	0.036	0.116	5.99E-11	0.030	0.025	0.236	0.011	42.801	TRUE	2.26E-10
Allergic asthma	PADI4	cg19159961	rs3003450	G	T	0.164	0.025	0.341	4.21E-11	0.019	0.014	0.175	0.012	43.488	TRUE	1.84E-10
Allergic asthma	PADI4	cg19159961	rs77917278	C	G	-0.479	0.080	0.057	2.53E-09	-0.016	0.031	0.606	0.010	35.496	TRUE	5.08E-09
Allergic asthma	PADI4	cg21295838	rs12068422	G	A	-0.165	0.025	0.294	5.30E-11	-0.025	0.015	0.084	0.012	43.041	TRUE	3.05E-10
Allergic asthma	PADI4	cg21295838	rs12070008	T	C	-0.274	0.039	0.103	2.17E-12	-0.038	0.022	0.078	0.013	49.296	TRUE	1.51E-11
Allergic asthma	PADI4	cg21295838	rs12752201	A	G	-0.257	0.033	0.162	5.43E-15	0.034	0.022	0.121	0.016	61.066	TRUE	4.23E-14
Allergic asthma	PADI4	cg21295838	rs1635577	A	G	0.250	0.040	0.095	3.26E-10	-0.025	0.022	0.238	0.011	39.492	TRUE	1.14E-09
Allergic asthma	PADI4	cg21295838	rs3003421	C	G	0.268	0.036	0.116	6.46E-14	0.030	0.025	0.237	0.015	56.195	TRUE	3.25E-13
Allergic asthma	PADI4	cg21295838	rs3003432	G	A	0.260	0.024	0.423	2.38E-28	0.027	0.014	0.051	0.032	121.871	TRUE	1.40E-26
Allergic asthma	PADI4	cg21295838	rs7523534	A	G	0.160	0.024	0.387	5.78E-11	-0.014	0.014	0.298	0.011	42.870	TRUE	1.96E-10
Allergic asthma	PADI4	cg21295838	rs9970772	T	C	0.404	0.023	0.409	1.19E-66	0.016	0.014	0.232	0.074	297.272	TRUE	5.20E-63
Allergic asthma	PADI4	cg23228178	rs1886302	G	A	0.175	0.024	0.367	4.59E-13	0.022	0.014	0.118	0.014	52.343	TRUE	2.93E-12
Allergic asthma	PADI4	cg23228178	rs7548900	A	C	0.264	0.024	0.395	1.46E-28	0.020	0.014	0.140	0.032	122.843	TRUE	4.80E-27
Allergic asthma	PADI4	cg26918754	rs12746451	T	C	0.302	0.047	0.061	1.81E-10	-0.034	0.027	0.213	0.011	40.643	TRUE	6.81E-10

Allergic asthma	PADI4	cg26918754	rs2977255	C	T	-0.164	0.025	0.296	8.56E-11	-0.025	0.015	0.084	0.011	42.103	TRUE	4.80E-10
Allergic asthma	PADI4	cg26918754	rs2977262	C	A	0.214	0.025	0.315	7.42E-18	0.036	0.015	0.016	0.020	74.061	TRUE	1.86E-16
Allergic asthma	PADI4	cg26918754	rs34481461	A	C	-0.193	0.033	0.161	3.58E-09	0.041	0.022	0.059	0.009	34.822	TRUE	1.84E-08
Allergic asthma	PADI4	cg26918754	rs6586520	C	T	-0.130	0.024	0.489	3.31E-08	-0.023	0.014	0.089	0.008	30.500	TRUE	1.33E-07
Allergic asthma	PADI4	cg26918754	rs7522439	G	A	-0.248	0.039	0.106	1.74E-10	-0.037	0.022	0.089	0.011	40.716	TRUE	9.23E-10
Allergic asthma	PADI4	cg26918754	rs9970772	T	C	0.293	0.024	0.409	3.17E-35	0.016	0.014	0.232	0.040	153.290	TRUE	1.57E-33
Allergic asthma	PCGF2	cg00089071	rs111834226	A	G	1.165	0.065	0.030	2.18E-71	0.028	0.053	0.595	0.079	319.009	TRUE	5.39E-68
Allergic asthma	PCGF2	cg00089071	rs228275	T	C	0.150	0.025	0.354	1.92E-09	0.021	0.014	0.134	0.010	36.034	TRUE	7.81E-09
Allergic asthma	PCGF2	cg00089071	rs9902888	A	T	0.203	0.033	0.154	6.30E-10	0.004	0.020	0.849	0.010	38.206	TRUE	1.04E-09
Allergic asthma	PCGF2	cg02433498	rs68075021	G	T	-0.333	0.034	0.137	7.11E-23	0.017	0.024	0.470	0.026	96.898	TRUE	5.14E-22
Allergic asthma	PCGF2	cg18896448	rs34727469	T	C	-0.272	0.034	0.131	2.16E-15	0.016	0.024	0.513	0.017	62.883	TRUE	7.64E-15
Allergic asthma	PCGF2	cg21692159	rs2879097	T	C	-0.164	0.028	0.238	2.98E-09	0.025	0.019	0.173	0.009	35.180	TRUE	1.08E-08
Allergic asthma	PCGF2	cg21692159	rs3785457	T	C	0.185	0.032	0.168	8.49E-09	-0.004	0.018	0.843	0.009	33.142	TRUE	1.32E-08
Allergic asthma	PCGF2	cg23302321	rs12601476	C	T	-0.144	0.023	0.495	5.07E-10	-0.015	0.014	0.257	0.010	38.630	TRUE	1.68E-09
Allergic asthma	PCGF2	cg24539380	rs11658048	A	G	-0.738	0.028	0.209	3.63E-157	0.046	0.016	0.004	0.162	713.021	TRUE	3.33E-142
Allergic asthma	PCGF2	cg24539380	rs11658841	A	G	-0.215	0.025	0.347	2.21E-18	-0.020	0.014	0.149	0.020	76.452	TRUE	2.24E-17
Allergic asthma	PCGF2	cg24539380	rs1811251	G	A	0.352	0.030	0.178	9.43E-32	-0.011	0.018	0.556	0.036	137.414	TRUE	1.35E-30
Allergic asthma	PCGF2	cg24539380	rs77536527	G	A	-0.698	0.094	0.014	1.44E-13	0.028	0.073	0.703	0.015	54.626	TRUE	3.47E-13
Allergic asthma	PCGF2	cg24539380	rs78737686	C	T	-0.174	0.024	0.492	1.81E-13	0.021	0.014	0.118	0.014	54.171	TRUE	1.21E-12
Allergic asthma	PCGF2	cg24539380	rs8071479	A	G	0.178	0.025	0.312	1.79E-12	-0.003	0.015	0.867	0.013	49.672	TRUE	3.36E-12
Allergic asthma	PCGF2	cg24539380	rs9916617	C	T	0.216	0.031	0.169	2.28E-12	-0.004	0.020	0.828	0.013	49.203	TRUE	4.42E-12
Allergic asthma	PF4	cg01447579	rs11574450	C	A	0.559	0.057	0.040	9.77E-23	0.075	0.037	0.041	0.025	96.269	TRUE	3.14E-21
Allergic asthma	PF4	cg01447579	rs143536895	A	G	-0.975	0.087	0.017	5.82E-29	0.084	0.056	0.136	0.033	124.667	TRUE	2.05E-27
Allergic asthma	PF4	cg01447579	rs184480320	A	T	-0.974	0.143	0.014	9.43E-12	-0.086	0.085	0.316	0.012	46.419	TRUE	3.33E-11
Allergic asthma	PF4	cg01447579	rs2233650	T	C	-1.351	0.044	0.066	3.70E-211	0.331	0.129	0.010	0.206	961.230	TRUE	1.86E-188
Allergic asthma	PF4	cg01447579	rs2886969	C	T	0.184	0.028	0.217	4.37E-11	0.002	0.016	0.916	0.012	43.416	TRUE	7.19E-11
Allergic asthma	PF4	cg01447579	rs352052	C	A	-0.179	0.032	0.493	1.48E-08	0.010	0.014	0.469	0.009	32.058	TRUE	3.25E-08
Allergic asthma	PF4	cg01447579	rs4694639	C	T	-0.190	0.024	0.435	2.12E-15	-0.001	0.014	0.964	0.017	62.918	TRUE	4.24E-15
Allergic asthma	PF4	cg01447579	rs79187101	A	G	-0.423	0.075	0.046	1.43E-08	-0.001	0.038	0.989	0.009	32.135	TRUE	1.93E-08
Allergic asthma	PF4	cg02530824	rs10518118	A	C	-0.187	0.032	0.151	3.63E-09	0.009	0.017	0.585	0.009	34.792	TRUE	7.37E-09
Allergic asthma	PF4	cg02530824	rs11574450	C	A	1.308	0.055	0.040	1.41E-124	0.075	0.037	0.041	0.132	563.254	TRUE	1.12E-114
Allergic asthma	PF4	cg02530824	rs149525780	A	G	0.883	0.119	0.017	1.31E-13	0.002	0.053	0.965	0.015	54.811	TRUE	2.35E-13
Allergic asthma	PF4	cg02530824	rs519014	C	G	0.470	0.063	0.034	5.84E-14	-0.047	0.053	0.380	0.015	56.393	TRUE	2.25E-13
Allergic asthma	PF4	cg05509609	rs10518118	A	C	-0.200	0.032	0.151	2.55E-10	0.009	0.017	0.585	0.011	39.973	TRUE	5.60E-10
Allergic asthma	PF4	cg05509609	rs1072389	T	C	0.198	0.033	0.362	1.83E-09	0.007	0.014	0.587	0.010	36.122	TRUE	3.79E-09
Allergic asthma	PF4	cg05509609	rs11574450	C	A	1.262	0.055	0.040	2.19E-115	0.075	0.037	0.041	0.123	521.033	TRUE	1.68E-106
Allergic asthma	PF4	cg05509609	rs12645462	A	G	0.308	0.043	0.076	7.94E-13	-0.002	0.030	0.951	0.014	51.268	TRUE	1.39E-12
Allergic asthma	PF4	cg05509609	rs519014	C	G	0.443	0.063	0.034	1.44E-12	-0.047	0.053	0.380	0.013	50.108	TRUE	4.90E-12
Allergic asthma	PF4	cg06834998	rs10518118	A	C	-0.205	0.032	0.151	9.57E-11	0.009	0.017	0.585	0.011	41.885	TRUE	2.17E-10
Allergic asthma	PF4	cg06834998	rs1072389	T	C	0.185	0.033	0.362	1.85E-08	0.007	0.014	0.587	0.008	31.626	TRUE	3.57E-08
Allergic asthma	PF4	cg06834998	rs11574450	C	A	1.289	0.055	0.040	7.41E-121	0.075	0.037	0.041	0.129	546.165	TRUE	2.25E-111
Allergic asthma	PF4	cg06834998	rs149525780	A	G	0.863	0.119	0.017	4.64E-13	0.002	0.053	0.965	0.014	52.325	TRUE	8.08E-13

Allergic asthma	PF4	cg06834998	rs519014	C	G	0.470	0.063	0.034	5.75E-14	-0.047	0.053	0.380	0.015	56.426	TRUE	2.21E-13
Allergic asthma	PF4	cg13126871	rs10518118	A	C	-0.191	0.032	0.151	1.61E-09	0.009	0.017	0.585	0.010	36.372	TRUE	3.35E-09
Allergic asthma	PF4	cg13126871	rs1072389	T	C	0.188	0.033	0.362	1.16E-08	0.007	0.014	0.587	0.009	32.527	TRUE	2.27E-08
Allergic asthma	PF4	cg13126871	rs11574450	C	A	0.966	0.056	0.040	1.98E-66	0.075	0.037	0.041	0.074	296.264	TRUE	4.44E-62
Allergic asthma	PF4	cg13126871	rs149525780	A	G	0.698	0.119	0.017	5.17E-09	0.002	0.053	0.965	0.009	34.105	TRUE	7.29E-09
Allergic asthma	PF4	cg13126871	rs519014	C	G	0.418	0.063	0.034	2.33E-11	-0.047	0.053	0.380	0.012	44.644	TRUE	7.19E-11
Allergic asthma	PF4	cg15158783	rs10518118	A	C	-0.201	0.032	0.151	1.98E-10	0.009	0.017	0.585	0.011	40.466	TRUE	4.39E-10
Allergic asthma	PF4	cg15158783	rs1072389	T	C	0.190	0.033	0.362	7.42E-09	0.007	0.014	0.587	0.009	33.403	TRUE	1.47E-08
Allergic asthma	PF4	cg15158783	rs11574450	C	A	1.204	0.055	0.040	2.41E-104	0.075	0.037	0.041	0.113	470.317	TRUE	1.30E-96
Allergic asthma	PF4	cg15158783	rs149525780	A	G	0.844	0.119	0.017	1.54E-12	0.002	0.053	0.965	0.013	49.969	TRUE	2.61E-12
Allergic asthma	PF4	cg15158783	rs519014	C	G	0.431	0.063	0.034	5.76E-12	-0.047	0.053	0.380	0.013	47.385	TRUE	1.87E-11
Allergic asthma	PF4	cg15398841	rs10518118	A	C	-0.194	0.032	0.151	8.03E-10	0.009	0.017	0.585	0.010	37.733	TRUE	1.70E-09
Allergic asthma	PF4	cg15398841	rs1072389	T	C	0.181	0.033	0.362	3.92E-08	0.007	0.014	0.587	0.008	30.172	TRUE	7.38E-08
Allergic asthma	PF4	cg15398841	rs11574450	C	A	1.219	0.055	0.040	2.94E-107	0.075	0.037	0.041	0.116	483.695	TRUE	3.14E-99
Allergic asthma	PF4	cg15398841	rs149525780	A	G	0.840	0.119	0.017	1.91E-12	0.002	0.053	0.965	0.013	49.551	TRUE	3.21E-12
Allergic asthma	PF4	cg15398841	rs519014	C	G	0.454	0.063	0.034	3.87E-13	-0.047	0.053	0.380	0.014	52.682	TRUE	1.39E-12
Allergic asthma	PF4	cg16072462	rs10518118	A	C	-0.201	0.032	0.151	2.04E-10	0.009	0.017	0.585	0.011	40.407	TRUE	4.52E-10
Allergic asthma	PF4	cg16072462	rs1072389	T	C	0.185	0.033	0.362	2.02E-08	0.007	0.014	0.587	0.008	31.457	TRUE	3.88E-08
Allergic asthma	PF4	cg16072462	rs11574450	C	A	1.218	0.055	0.040	6.13E-107	0.075	0.037	0.041	0.115	482.230	TRUE	6.07E-99
Allergic asthma	PF4	cg16072462	rs149525780	A	G	0.806	0.119	0.017	1.45E-11	0.002	0.053	0.965	0.012	45.573	TRUE	2.33E-11
Allergic asthma	PF4	cg16072462	rs519014	C	G	0.455	0.063	0.034	3.36E-13	-0.047	0.053	0.380	0.014	52.954	TRUE	1.21E-12
Allergic asthma	PF4	cg21043213	rs10518118	A	C	-0.185	0.032	0.151	5.11E-09	0.009	0.017	0.585	0.009	34.127	TRUE	1.03E-08
Allergic asthma	PF4	cg21043213	rs11574450	C	A	1.201	0.056	0.040	7.31E-104	0.075	0.037	0.041	0.112	468.100	TRUE	3.53E-96
Allergic asthma	PF4	cg21043213	rs12645462	A	G	0.290	0.043	0.076	1.47E-11	-0.002	0.030	0.951	0.012	45.554	TRUE	2.39E-11
Allergic asthma	PF4	cg21043213	rs519014	C	G	0.432	0.063	0.034	5.00E-12	-0.047	0.053	0.380	0.013	47.661	TRUE	1.63E-11
Allergic asthma	PGAM5	cg00648582	rs1050225	C	T	-0.161	0.029	0.207	2.53E-08	-0.006	0.015	0.693	0.008	31.023	TRUE	4.36E-08
Allergic asthma	PGAM5	cg00648582	rs12824438	C	T	0.207	0.026	0.273	1.36E-15	-0.007	0.017	0.691	0.017	63.792	TRUE	3.84E-15
Allergic asthma	PGAM5	cg00648582	rs185457822	T	C	-0.526	0.091	0.018	6.34E-09	-0.054	0.033	0.105	0.009	33.709	TRUE	2.64E-08
Allergic asthma	PGAM5	cg00648582	rs187004317	C	T	-0.440	0.078	0.022	1.50E-08	0.067	0.040	0.095	0.009	32.034	TRUE	6.17E-08
Allergic asthma	PGAM5	cg00648582	rs4883545	T	C	-0.331	0.023	0.467	4.79E-47	-0.022	0.014	0.108	0.053	207.402	TRUE	2.14E-44
Allergic asthma	PGAM5	cg00648582	rs4883563	A	G	0.161	0.023	0.479	3.86E-12	-0.005	0.014	0.730	0.013	48.167	TRUE	8.21E-12
Allergic asthma	PGAM5	cg00648582	rs72624269	C	T	-0.325	0.034	0.123	6.05E-22	-0.018	0.017	0.308	0.024	92.662	TRUE	5.62E-21
Allergic asthma	PGAM5	cg00648582	rs7315175	A	G	-0.247	0.031	0.165	2.08E-15	0.008	0.018	0.646	0.017	62.955	TRUE	6.14E-15
Allergic asthma	PGAM5	cg00648582	rs9737965	T	G	-0.370	0.050	0.054	1.74E-13	-0.023	0.025	0.356	0.014	54.248	TRUE	6.69E-13
Allergic asthma	PGAM5	cg09802308	rs74723244	T	C	-0.335	0.058	0.049	7.61E-09	-0.003	0.054	0.949	0.009	33.355	TRUE	1.08E-08
Allergic asthma	PGAM5	cg09802308	rs7487109	T	C	-0.130	0.023	0.407	2.81E-08	-0.015	0.014	0.262	0.008	30.817	TRUE	7.83E-08
Allergic asthma	PGAM5	cg17037406	rs1009320	A	G	-0.136	0.024	0.395	1.55E-08	-0.008	0.014	0.556	0.009	31.972	TRUE	3.09E-08
Allergic asthma	PGAM5	cg17037406	rs10781620	A	G	-0.225	0.031	0.171	2.03E-13	-0.010	0.019	0.586	0.014	53.943	TRUE	5.60E-13
Allergic asthma	PGAM5	cg17037406	rs117520285	C	T	-0.264	0.031	0.150	2.38E-17	-0.007	0.017	0.676	0.019	71.760	TRUE	7.81E-17
Allergic asthma	PGAM5	cg17037406	rs6560887	T	C	-0.497	0.090	0.016	3.80E-08	-0.070	0.039	0.068	0.008	30.232	TRUE	1.65E-07
Allergic asthma	PGAM5	cg17037406	rs7966242	G	A	0.256	0.026	0.288	1.72E-23	0.016	0.014	0.263	0.026	99.706	TRUE	2.09E-22
Allergic asthma	PGAM5	cg17903544	rs74386341	A	T	-0.221	0.038	0.108	4.75E-09	-0.016	0.022	0.463	0.009	34.272	TRUE	1.09E-08

Allergic asthma	PGAM5	cg17903544	rs7486197	T	C	0.148	0.023	0.415	1.39E-10	-0.017	0.014	0.216	0.011	41.152	TRUE	5.27E-10
Allergic asthma	PGAM5	cg19245612	rs11147013	T	G	-0.243	0.033	0.145	4.16E-13	0.034	0.021	0.101	0.014	52.537	TRUE	2.84E-12
Allergic asthma	PGAM5	cg19245612	rs11147097	C	T	-0.217	0.031	0.184	1.79E-12	-0.002	0.018	0.903	0.013	49.670	TRUE	3.23E-12
Allergic asthma	PGAM5	cg19245612	rs11147275	A	G	-0.251	0.040	0.095	4.88E-10	-0.019	0.020	0.327	0.010	38.705	TRUE	1.45E-09
Allergic asthma	PGAM5	cg19245612	rs12423651	T	C	-1.506	0.064	0.036	1.21E-122	0.038	0.018	0.037	0.130	554.376	TRUE	6.49E-113
Allergic asthma	PGAM5	cg19245612	rs1882303	A	G	-0.997	0.124	0.011	7.69E-16	-0.028	0.032	0.372	0.017	64.913	TRUE	3.54E-15
Allergic asthma	PGAM5	cg19245612	rs61952767	C	T	-0.272	0.031	0.156	6.21E-18	-0.025	0.016	0.128	0.020	74.414	TRUE	6.50E-17
Allergic asthma	PGAM5	cg19245612	rs7953933	G	A	0.129	0.024	0.432	4.27E-08	0.036	0.014	0.008	0.008	30.005	TRUE	3.07E-07
Allergic asthma	PGAM5	cg19245612	rs7973452	A	G	0.183	0.024	0.368	3.12E-14	0.005	0.017	0.744	0.015	57.624	TRUE	7.51E-14
Allergic asthma	PGAM5	cg19245612	rs7980864	A	G	-0.187	0.033	0.153	1.27E-08	0.028	0.015	0.070	0.009	32.364	TRUE	5.78E-08
Allergic asthma	PGAM5	cg19967846	rs7486197	T	C	-0.230	0.023	0.415	1.21E-23	-0.017	0.014	0.216	0.026	100.407	TRUE	1.71E-22
Allergic asthma	PGAM5	cg20725256	rs11615090	C	T	0.241	0.038	0.110	2.60E-10	-0.017	0.022	0.423	0.011	39.936	TRUE	6.91E-10
Allergic asthma	PGAM5	cg20725256	rs149597645	T	C	-0.476	0.087	0.020	4.51E-08	-0.056	0.033	0.093	0.008	29.902	TRUE	1.76E-07
Allergic asthma	PGAM5	cg20725256	rs4883571	A	G	0.142	0.024	0.405	2.84E-09	-0.022	0.014	0.112	0.009	35.272	TRUE	1.20E-08
Allergic asthma	PGAM5	cg20725256	rs60252840	T	C	-0.252	0.026	0.265	2.68E-22	0.010	0.014	0.446	0.025	94.273	TRUE	1.92E-21
Allergic asthma	PGAM5	cg20725256	rs7303969	C	T	-0.215	0.030	0.183	7.93E-13	-0.006	0.016	0.716	0.014	51.272	TRUE	1.79E-12
Allergic asthma	PGAM5	cg20725256	rs9737965	T	G	-0.334	0.050	0.054	3.28E-11	-0.023	0.025	0.356	0.012	43.977	TRUE	1.03E-10
Allergic asthma	PGAM5	cg25314152	rs10747086	T	C	0.149	0.027	0.247	3.47E-08	0.036	0.014	0.013	0.008	30.407	TRUE	2.32E-07
Allergic asthma	PGAM5	cg25314152	rs10781631	T	C	0.177	0.024	0.392	8.40E-14	0.005	0.016	0.741	0.015	55.680	TRUE	1.97E-13
Allergic asthma	PGAM5	cg25314152	rs11146948	C	G	-0.240	0.026	0.256	1.03E-19	0.015	0.016	0.331	0.022	82.503	TRUE	7.34E-19
Allergic asthma	PGAM5	cg25314152	rs11147015	C	T	-0.756	0.033	0.143	1.56E-118	0.027	0.015	0.080	0.126	535.491	TRUE	1.22E-109
Allergic asthma	PGAM5	cg25314152	rs112613347	T	C	-0.534	0.071	0.027	3.52E-14	0.019	0.042	0.645	0.015	57.387	TRUE	9.53E-14
Allergic asthma	PGAM5	cg25314152	rs12809570	A	G	-0.197	0.034	0.146	5.15E-09	-0.004	0.019	0.838	0.009	34.113	TRUE	8.13E-09
Allergic asthma	PGAM5	cg25314152	rs139927342	A	G	-0.812	0.120	0.011	1.49E-11	0.062	0.037	0.097	0.012	45.520	TRUE	8.68E-11
Allergic asthma	PGAM5	cg25314152	rs148310828	C	T	-0.412	0.072	0.027	9.53E-09	-0.016	0.038	0.667	0.009	32.917	TRUE	1.73E-08
Allergic asthma	PGAM5	cg25314152	rs61952804	T	C	-0.189	0.030	0.175	2.70E-10	-0.023	0.015	0.126	0.011	39.855	TRUE	1.24E-09
Allergic asthma	PGAM5	cg25314152	rs7309093	T	C	-0.562	0.080	0.020	1.86E-12	-0.023	0.030	0.431	0.013	49.595	TRUE	5.86E-12
Allergic asthma	PGAM5	cg25314152	rs7310577	A	G	-0.615	0.070	0.029	1.76E-18	-0.031	0.032	0.336	0.020	76.902	TRUE	1.10E-17
Allergic asthma	PGAM5	cg25314152	rs73157021	T	C	-0.627	0.077	0.023	3.49E-16	0.018	0.041	0.667	0.018	66.467	TRUE	1.06E-15
Allergic asthma	PGAM5	cg25314152	rs75391939	T	C	-0.971	0.157	0.012	6.43E-10	-0.078	0.052	0.132	0.010	38.165	TRUE	2.77E-09
Allergic asthma	PGAM5	cg27362255	rs10870498	A	G	-0.188	0.024	0.394	2.39E-15	0.015	0.014	0.280	0.017	62.684	TRUE	1.25E-14
Allergic asthma	PGAM5	cg27362255	rs117751270	T	C	0.776	0.087	0.018	3.11E-19	-0.039	0.078	0.620	0.021	80.323	TRUE	1.28E-18
Allergic asthma	PGAM5	cg27362255	rs7488796	C	T	-0.384	0.066	0.035	5.19E-09	0.037	0.018	0.041	0.009	34.097	TRUE	2.91E-08
Allergic asthma	PGAM5	cg27485716	rs11147025	G	A	0.271	0.023	0.421	9.62E-32	-0.016	0.014	0.252	0.036	137.373	TRUE	2.96E-30
Allergic asthma	PGAM5	cg27485716	rs2625083	G	C	-0.276	0.048	0.054	1.21E-08	0.034	0.020	0.082	0.009	32.458	TRUE	5.27E-08
Allergic asthma	PGAM5	cg27485716	rs28372675	A	G	0.172	0.025	0.332	3.03E-12	-0.018	0.014	0.203	0.013	48.644	TRUE	1.39E-11
Allergic asthma	PGAM5	cg27485716	rs74727297	T	G	-0.415	0.038	0.109	4.17E-28	-0.017	0.022	0.439	0.032	120.763	TRUE	5.29E-27
Allergic asthma	PHLDA3	cg00962755	rs12097997	G	A	-0.269	0.024	0.344	4.76E-28	0.029	0.014	0.036	0.032	120.500	TRUE	3.23E-26
Allergic asthma	PHLDA3	cg00962755	rs12134525	T	C	-0.402	0.049	0.054	2.81E-16	0.040	0.024	0.099	0.018	66.896	TRUE	2.77E-15
Allergic asthma	PHLDA3	cg00962755	rs4915536	A	G	-0.144	0.026	0.277	4.35E-08	0.024	0.014	0.093	0.008	29.971	TRUE	1.70E-07
Allergic asthma	PHLDA3	cg04055835	rs16848610	C	A	0.301	0.047	0.067	2.24E-10	0.014	0.037	0.707	0.011	40.222	TRUE	4.36E-10
Allergic asthma	PHLDA3	cg04055835	rs645390	A	G	0.190	0.035	0.117	3.78E-08	0.005	0.019	0.797	0.008	30.245	TRUE	5.89E-08

Allergic asthma	PHLDA3	cg04055835	rs654072	A	G	0.214	0.025	0.327	5.33E-18	0.029	0.014	0.035	0.020	74.715	TRUE	1.01E-16
Allergic asthma	PHLDA3	cg18569595	rs11590527	G	A	-0.337	0.024	0.345	1.51E-43	0.028	0.014	0.042	0.049	191.378	TRUE	8.15E-41
Allergic asthma	PHLDA3	cg18569595	rs645390	A	G	-0.239	0.034	0.117	4.26E-12	0.005	0.019	0.797	0.013	47.973	TRUE	8.41E-12
Allergic asthma	PIAS4	cg13573375	rs12971836	T	C	-0.295	0.028	0.206	7.86E-26	0.012	0.015	0.430	0.029	110.378	TRUE	8.13E-25
Allergic asthma	PIAS4	cg13573375	rs183843320	G	A	0.864	0.136	0.014	2.01E-10	-0.025	0.065	0.703	0.011	40.439	TRUE	3.93E-10
Allergic asthma	PIAS4	cg13573375	rs1867696	C	T	0.971	0.022	0.263	<1E-200	0.021	0.015	0.147	0.350	1994.278	TRUE	<1E-200
Allergic asthma	PIAS4	cg13573375	rs2304194	G	A	0.184	0.024	0.399	1.38E-14	-0.015	0.014	0.280	0.016	59.234	TRUE	6.72E-14
Allergic asthma	PIAS4	cg13573375	rs350876	T	C	-0.281	0.027	0.252	4.87E-26	-0.035	0.015	0.021	0.029	111.326	TRUE	3.27E-24
Allergic asthma	PIAS4	cg13573375	rs350898	A	G	0.404	0.026	0.265	9.09E-53	0.009	0.016	0.576	0.059	233.618	TRUE	1.48E-50
Allergic asthma	PIAS4	cg13573375	rs7248231	T	C	0.778	0.057	0.048	6.28E-43	0.017	0.035	0.632	0.048	188.545	TRUE	2.59E-41
Allergic asthma	PIAS4	cg13573375	rs72976912	T	C	0.964	0.073	0.024	3.62E-40	0.106	0.066	0.106	0.045	175.905	TRUE	6.26E-38
Allergic asthma	PIAS4	cg24479928	rs7248231	T	C	0.504	0.056	0.048	4.55E-19	0.017	0.035	0.632	0.021	79.572	TRUE	1.82E-18
Allergic asthma	PIH1D1	cg19216817	rs4801800	A	G	-0.234	0.028	0.234	1.56E-17	0.028	0.015	0.066	0.019	72.591	TRUE	2.14E-16
Allergic asthma	PIH1D1	cg22269913	rs1320303	C	G	0.158	0.026	0.276	1.23E-09	0.022	0.014	0.121	0.010	36.901	TRUE	5.29E-09
Allergic asthma	PIH1D1	cg22269913	rs3760670	T	C	-0.334	0.024	0.399	3.90E-45	-0.022	0.014	0.108	0.051	198.648	TRUE	1.32E-42
Allergic asthma	PIH1D1	cg26964117	rs11083974	G	A	0.261	0.028	0.234	2.33E-21	0.041	0.015	0.005	0.024	89.998	TRUE	1.41E-19
Allergic asthma	PIK3CD	cg03653801	rs4333853	G	A	-0.152	0.023	0.473	7.97E-11	-0.011	0.014	0.426	0.011	42.242	TRUE	2.21E-10
Allergic asthma	PIK3CD	cg03653801	rs74338407	T	C	-0.549	0.093	0.036	3.84E-09	0.031	0.034	0.358	0.009	34.685	TRUE	1.01E-08
Allergic asthma	PIK3CD	cg04162034	rs11586485	A	G	-0.302	0.050	0.107	1.30E-09	-0.014	0.021	0.520	0.010	36.799	TRUE	2.91E-09
Allergic asthma	PIK3CD	cg04162034	rs2119508	A	G	-0.357	0.053	0.097	1.35E-11	-0.042	0.030	0.161	0.012	45.713	TRUE	6.45E-11
Allergic asthma	PIK3CD	cg04162034	rs74925829	T	C	-1.771	0.085	0.017	2.29E-95	-0.023	0.082	0.779	0.104	429.082	TRUE	2.46E-90
Allergic asthma	PIK3CD	cg04162034	rs9430196	A	G	-0.281	0.034	0.141	4.67E-17	-0.018	0.018	0.331	0.019	70.433	TRUE	2.59E-16
Allergic asthma	PIK3CD	cg04608004	rs1135427	G	T	-0.193	0.024	0.438	7.17E-16	-0.012	0.014	0.387	0.017	65.050	TRUE	3.23E-15
Allergic asthma	PIK3CD	cg07805542	rs11121516	T	C	0.242	0.036	0.121	1.41E-11	-0.035	0.019	0.062	0.012	45.629	TRUE	9.70E-11
Allergic asthma	PIK3CD	cg07805542	rs1135427	G	T	0.216	0.024	0.438	2.52E-19	-0.012	0.014	0.387	0.021	80.736	TRUE	1.54E-18
Allergic asthma	PIK3CD	cg07805542	rs12564733	T	A	1.148	0.044	0.064	9.57E-148	-0.019	0.026	0.471	0.153	669.725	TRUE	9.54E-137
Allergic asthma	PIK3CD	cg07805542	rs145362080	C	A	0.666	0.108	0.012	6.53E-10	-0.009	0.062	0.880	0.010	38.136	TRUE	1.04E-09
Allergic asthma	PIK3CD	cg07805542	rs147961171	C	G	0.804	0.110	0.011	2.36E-13	0.011	0.113	0.921	0.014	53.654	TRUE	4.38E-13
Allergic asthma	PIK3CD	cg07805542	rs56153814	C	T	0.465	0.043	0.089	5.95E-27	-0.035	0.020	0.087	0.030	115.491	TRUE	2.18E-25
Allergic asthma	PIK3CD	cg07805542	rs72869650	A	G	0.166	0.030	0.186	4.09E-08	-0.036	0.015	0.019	0.008	30.089	TRUE	2.46E-07
Allergic asthma	PIK3CD	cg11947782	rs10746492	C	T	-0.147	0.025	0.358	3.41E-09	0.003	0.014	0.859	0.009	34.916	TRUE	5.34E-09
Allergic asthma	PIK3CD	cg11947782	rs140188093	A	G	-0.351	0.063	0.040	3.02E-08	-0.036	0.038	0.349	0.008	30.681	TRUE	7.41E-08
Allergic asthma	PIK3CD	cg11947782	rs7518602	C	T	-0.135	0.024	0.392	2.08E-08	-0.029	0.013	0.033	0.008	31.405	TRUE	1.13E-07
Allergic asthma	PIK3CD	cg11980800	rs6540985	G	A	0.185	0.025	0.315	2.12E-13	-0.039	0.014	0.005	0.014	53.862	TRUE	4.12E-12
Allergic asthma	PIK3CD	cg13457410	rs10864439	G	T	0.230	0.037	0.254	2.91E-10	0.012	0.015	0.428	0.011	39.714	TRUE	7.66E-10
Allergic asthma	PIK3CD	cg13457410	rs1135427	G	T	0.463	0.024	0.438	1.63E-86	-0.012	0.014	0.387	0.095	388.441	TRUE	1.22E-81
Allergic asthma	PIK3CD	cg13457410	rs12129123	T	C	-0.363	0.063	0.089	1.05E-08	0.012	0.025	0.624	0.009	32.721	TRUE	1.99E-08
Allergic asthma	PIK3CD	cg13457410	rs1619083	T	C	0.510	0.078	0.045	5.58E-11	0.003	0.037	0.931	0.011	42.938	TRUE	8.99E-11
Allergic asthma	PIK3CD	cg13457410	rs4076440	G	A	0.269	0.045	0.074	2.88E-09	0.023	0.022	0.297	0.009	35.242	TRUE	8.36E-09
Allergic asthma	PIK3CD	cg13457410	rs5017476	G	A	0.250	0.031	0.163	4.96E-16	-0.037	0.017	0.027	0.017	65.778	TRUE	8.06E-15
Allergic asthma	PIK3CD	cg13457410	rs61785179	A	G	0.278	0.038	0.117	1.34E-13	-0.004	0.020	0.829	0.015	54.757	TRUE	2.81E-13
Allergic asthma	PIK3CD	cg13457410	rs9430574	A	G	0.263	0.025	0.319	6.00E-26	-0.038	0.014	0.005	0.029	110.914	TRUE	7.20E-24

Allergic asthma	PIK3CD	cg15701170	rs1135427	G	T	-0.204	0.024	0.438	1.58E-17	-0.012	0.014	0.387	0.019	72.573	TRUE	8.22E-17
Allergic asthma	PIK3CD	cg15701170	rs12564733	T	A	-0.279	0.046	0.064	1.62E-09	-0.019	0.026	0.471	0.010	36.368	TRUE	3.81E-09
Allergic asthma	PIK3CD	cg16895792	rs7518602	C	T	-0.177	0.024	0.392	6.53E-14	-0.029	0.013	0.033	0.015	56.174	TRUE	7.48E-13
Allergic asthma	PIK3CD	cg20681184	rs4601595	T	G	-0.216	0.023	0.475	1.84E-20	-0.009	0.014	0.485	0.023	85.907	TRUE	1.04E-19
Allergic asthma	PIK3CD	cg20994801	rs146783463	A	G	-0.423	0.071	0.023	3.05E-09	-0.037	0.034	0.275	0.009	35.132	TRUE	9.13E-09
Allergic asthma	PIK3CD	cg20994801	rs185946657	A	C	-0.508	0.078	0.024	9.70E-11	-0.107	0.047	0.022	0.011	41.859	TRUE	8.21E-10
Allergic asthma	PIK3CD	cg20994801	rs57834427	A	G	-0.510	0.030	0.186	1.15E-65	-0.038	0.015	0.015	0.073	292.766	TRUE	4.76E-61
Allergic asthma	PIK3CD	cg20994801	rs72869650	A	G	-0.253	0.030	0.186	4.76E-17	-0.036	0.015	0.019	0.019	70.395	TRUE	1.01E-15
Allergic asthma	PIK3CD	cg22045271	rs7518602	C	T	-0.146	0.024	0.392	7.17E-10	-0.029	0.013	0.033	0.010	37.955	TRUE	4.80E-09
Allergic asthma	PIK3CD	cg23098018	rs76822479	C	A	0.464	0.084	0.022	3.08E-08	0.018	0.056	0.742	0.008	30.640	TRUE	5.06E-08
Allergic asthma	PIK3CD	cg23251761	rs79423094	T	C	0.214	0.037	0.119	5.32E-09	-0.017	0.019	0.356	0.009	34.051	TRUE	1.38E-08
Allergic asthma	PIK3CD	cg23799532	rs147760460	T	C	-0.398	0.069	0.034	7.37E-09	-0.012	0.043	0.786	0.009	33.416	TRUE	1.21E-08
Allergic asthma	PIK3CD	cg24859236	rs4601595	T	G	-0.130	0.023	0.475	2.94E-08	-0.009	0.014	0.485	0.008	30.732	TRUE	6.18E-08
Allergic asthma	PIK3CD	cg26573321	rs11121480	T	C	0.441	0.040	0.089	5.67E-28	-0.004	0.021	0.833	0.031	120.151	TRUE	3.45E-27
Allergic asthma	PIK3CD	cg26573321	rs12041599	G	C	0.594	0.059	0.044	3.90E-24	-0.058	0.024	0.015	0.027	102.646	TRUE	2.35E-22
Allergic asthma	PIK3CD	cg26573321	rs12563790	C	G	0.211	0.030	0.193	8.63E-13	-0.022	0.016	0.175	0.014	51.106	TRUE	4.49E-12
Allergic asthma	PIK3CD	cg26573321	rs12725898	T	G	-0.132	0.023	0.472	1.73E-08	0.005	0.014	0.691	0.009	31.761	TRUE	3.02E-08
Allergic asthma	PIK3CD	cg26573321	rs17412703	T	C	0.242	0.043	0.082	1.64E-08	-0.004	0.022	0.848	0.009	31.863	TRUE	2.49E-08
Allergic asthma	PIK3CD	cg26573321	rs2582976	A	T	0.177	0.025	0.361	1.13E-12	-0.006	0.014	0.673	0.013	50.579	TRUE	2.65E-12
Allergic asthma	PIK3CD	cg26573321	rs4240895	T	C	0.745	0.022	0.388	1.42E-243	-0.028	0.013	0.038	0.231	1110.288	TRUE	4.87E-216
Allergic asthma	PIK3CD	cg26573321	rs57883760	G	A	0.243	0.023	0.412	3.49E-25	0.003	0.014	0.822	0.028	107.422	TRUE	1.71E-24
Allergic asthma	PIK3CD	cg26573321	rs61783043	A	G	0.394	0.040	0.101	4.94E-23	-0.010	0.022	0.643	0.026	97.616	TRUE	2.68E-22
Allergic asthma	PIP4K2B	cg03371752	rs228284	T	C	0.156	0.028	0.218	1.89E-08	0.023	0.017	0.180	0.008	31.592	TRUE	6.17E-08
Allergic asthma	PIP4K2B	cg20303331	rs4795311	T	C	-0.203	0.029	0.197	5.15E-12	0.027	0.017	0.102	0.013	47.603	TRUE	3.10E-11
Allergic asthma	PIP4K2B	cg20303331	rs626866	C	T	0.168	0.028	0.236	1.36E-09	0.008	0.017	0.656	0.010	36.700	TRUE	2.65E-09
Allergic asthma	PIP4K2B	cg20303331	rs72625934	A	G	-0.792	0.047	0.061	1.70E-62	0.057	0.020	0.005	0.070	278.218	TRUE	7.83E-58
Allergic asthma	PIP4K2B	cg20760360	rs11079061	C	T	0.154	0.024	0.454	8.40E-11	0.023	0.014	0.095	0.011	42.140	TRUE	4.52E-10
Allergic asthma	PIP4K2B	cg20760360	rs113262309	A	C	0.267	0.041	0.086	1.04E-10	-0.011	0.025	0.663	0.011	41.719	TRUE	2.16E-10
Allergic asthma	PIP4K2B	cg20760360	rs620110	A	G	0.457	0.033	0.153	1.09E-44	0.015	0.020	0.452	0.050	196.599	TRUE	8.68E-43
Allergic asthma	PIP4K2B	cg27142680	rs228251	G	A	-0.201	0.028	0.239	3.49E-13	0.007	0.017	0.679	0.014	52.881	TRUE	8.44E-13
Allergic asthma	PIP4K2C	cg05694847	rs10876966	T	C	-0.178	0.028	0.221	4.01E-10	0.007	0.015	0.672	0.010	39.088	TRUE	7.94E-10
Allergic asthma	PIP4K2C	cg05694847	rs11613457	A	G	-0.597	0.043	0.075	3.46E-43	0.050	0.028	0.072	0.049	189.726	TRUE	1.22E-40
Allergic asthma	PIP4K2C	cg05694847	rs74808980	G	A	-0.396	0.063	0.057	4.26E-10	0.078	0.031	0.013	0.010	38.970	TRUE	3.80E-09
Allergic asthma	PIP4K2C	cg09740308	rs10747780	T	C	0.859	0.023	0.273	<1E-200	-0.010	0.014	0.476	0.280	1439.876	TRUE	5.94E-276
Allergic asthma	PIP4K2C	cg09740308	rs1078109	A	G	-0.295	0.038	0.106	6.50E-15	0.040	0.027	0.145	0.016	60.711	TRUE	4.62E-14
Allergic asthma	PIP4K2C	cg09740308	rs112976255	A	C	-0.316	0.046	0.072	3.64E-12	-0.055	0.026	0.030	0.013	48.285	TRUE	3.41E-11
Allergic asthma	PIP4K2C	cg09740308	rs12423654	C	T	0.218	0.023	0.480	3.24E-21	0.013	0.014	0.328	0.024	89.343	TRUE	2.68E-20
Allergic asthma	PIP4K2C	cg09740308	rs17565804	T	C	0.601	0.058	0.042	2.38E-25	0.010	0.025	0.693	0.028	108.184	TRUE	1.45E-24
Allergic asthma	PIP4K2C	cg09740308	rs2277322	C	T	-0.315	0.024	0.319	2.95E-38	-0.015	0.014	0.283	0.043	167.158	TRUE	1.76E-36
Allergic asthma	PIP4K2C	cg09740308	rs34790089	T	C	0.654	0.053	0.049	8.87E-35	0.032	0.040	0.423	0.039	151.248	TRUE	2.37E-33
Allergic asthma	PIP4K2C	cg09740308	rs4077658	A	C	0.237	0.026	0.297	1.57E-20	0.011	0.014	0.435	0.023	86.221	TRUE	9.81E-20
Allergic asthma	PIP4K2C	cg09740308	rs78607331	T	C	0.464	0.084	0.043	2.80E-08	-0.037	0.029	0.205	0.008	30.822	TRUE	8.60E-08

Allergic asthma	PIP4K2C	cg20183802	rs11613457	A	G	-0.295	0.044	0.075	2.00E-11	0.050	0.028	0.072	0.012	44.948	TRUE	1.28E-10
Allergic asthma	PIP4K2C	cg20183802	rs1678508	A	G	-0.561	0.067	0.033	3.13E-17	-0.068	0.028	0.014	0.019	71.222	TRUE	7.52E-16
Allergic asthma	PIP4K2C	cg20183802	rs74240697	T	C	-0.390	0.072	0.028	4.79E-08	-0.046	0.031	0.130	0.008	29.784	TRUE	1.68E-07
Allergic asthma	PIP4K2C	cg20416037	rs11613457	A	G	-0.352	0.044	0.075	1.11E-15	0.050	0.028	0.072	0.017	64.194	TRUE	1.18E-14
Allergic asthma	PIP4K2C	cg20416037	rs775245	A	G	0.384	0.043	0.084	1.76E-19	-0.037	0.019	0.045	0.022	81.444	TRUE	3.64E-18
Allergic asthma	PIP4K2C	cg25133016	rs11613457	A	G	-0.272	0.044	0.075	5.64E-10	0.050	0.028	0.072	0.010	38.420	TRUE	3.03E-09
Allergic asthma	PIP4K2C	cg25133016	rs775245	A	G	0.308	0.043	0.084	5.04E-13	-0.037	0.019	0.045	0.014	52.159	TRUE	4.65E-12
Allergic asthma	PIP4K2C	cg26459339	rs10437954	G	A	-0.262	0.042	0.089	3.04E-10	-0.043	0.022	0.049	0.011	39.625	TRUE	1.91E-09
Allergic asthma	PIP4K2C	cg26459339	rs1078109	A	G	-0.349	0.038	0.106	2.29E-20	0.040	0.027	0.145	0.023	85.479	TRUE	2.92E-19
Allergic asthma	PIP4K2C	cg26459339	rs112976255	A	C	-0.283	0.046	0.072	5.38E-10	-0.055	0.026	0.030	0.010	38.512	TRUE	3.76E-09
Allergic asthma	PIP4K2C	cg26459339	rs12579911	T	C	0.237	0.023	0.485	6.63E-25	0.008	0.014	0.551	0.028	106.153	TRUE	4.97E-24
Allergic asthma	PIP4K2C	cg26459339	rs1678527	T	C	-0.318	0.024	0.326	3.02E-39	-0.033	0.014	0.016	0.044	171.687	TRUE	1.56E-36
Allergic asthma	PIP4K2C	cg26459339	rs1800139	C	T	0.239	0.025	0.324	9.64E-22	0.012	0.014	0.399	0.024	91.739	TRUE	7.20E-21
Allergic asthma	PIP4K2C	cg26459339	rs34556747	T	C	0.599	0.058	0.042	3.47E-25	0.009	0.025	0.727	0.028	107.437	TRUE	1.98E-24
Allergic asthma	PIP4K2C	cg26459339	rs34790089	T	C	0.713	0.053	0.049	4.02E-41	0.032	0.040	0.423	0.046	180.272	TRUE	2.23E-39
Allergic asthma	PIP4K2C	cg26459339	rs78607331	T	C	0.468	0.084	0.043	2.21E-08	-0.037	0.029	0.205	0.008	31.284	TRUE	6.85E-08
Allergic asthma	PIP4K2C	cg26459339	rs8873	A	G	0.928	0.024	0.221	<1E-200	0.021	0.016	0.196	0.282	1451.315	TRUE	7.63E-277
Allergic asthma	PLEKHF1	cg05897963	rs59336768	A	G	-0.218	0.035	0.135	2.88E-10	0.032	0.020	0.113	0.011	39.734	TRUE	1.37E-09
Allergic asthma	PLEKHF1	cg06373240	rs8099974	C	A	-0.251	0.034	0.137	1.48E-13	0.034	0.020	0.091	0.015	54.570	TRUE	1.11E-12
Allergic asthma	PLEKHF1	cg09776718	rs58350456	A	G	0.145	0.026	0.300	2.75E-08	0.048	0.015	0.002	0.008	30.861	TRUE	2.81E-07
Allergic asthma	PLEKHF1	cg14945937	rs3745169	T	C	0.341	0.040	0.103	5.95E-18	0.001	0.020	0.977	0.020	74.496	TRUE	1.37E-17
Allergic asthma	PML	cg09642075	rs11636016	G	T	0.169	0.024	0.385	4.61E-12	-0.012	0.014	0.390	0.013	47.820	TRUE	1.49E-11
Allergic asthma	PML	cg09642075	rs76929867	T	C	-0.314	0.050	0.058	2.52E-10	0.022	0.033	0.492	0.011	39.990	TRUE	6.17E-10
Allergic asthma	PML	cg16584662	rs3784556	A	C	0.261	0.038	0.111	3.90E-12	0.003	0.020	0.868	0.013	48.149	TRUE	7.15E-12
Allergic asthma	PML	cg18136895	rs12915543	A	G	-0.140	0.024	0.389	7.88E-09	-0.015	0.015	0.312	0.009	33.287	TRUE	2.14E-08
Allergic asthma	PML	cg18136895	rs145418511	G	C	-0.656	0.082	0.039	1.52E-15	-0.084	0.034	0.012	0.017	63.573	TRUE	3.03E-14
Allergic asthma	PML	cg19394923	rs12911485	G	T	-0.175	0.024	0.423	2.40E-13	-0.015	0.014	0.278	0.014	53.613	TRUE	1.05E-12
Allergic asthma	PML	cg19394923	rs5742914	T	C	0.392	0.036	0.119	1.18E-27	-0.028	0.018	0.134	0.031	118.704	TRUE	3.59E-26
Allergic asthma	PML	cg19394923	rs79941036	T	C	-0.486	0.072	0.025	2.02E-11	0.004	0.034	0.909	0.012	44.929	TRUE	3.41E-11
Allergic asthma	PML	cg21036936	rs12899085	A	G	0.163	0.024	0.370	2.19E-11	-0.010	0.014	0.488	0.012	44.769	TRUE	5.85E-11
Allergic asthma	POU4F1	cg04404489	rs2806584	A	C	-0.171	0.024	0.400	7.68E-13	0.034	0.014	0.012	0.014	51.335	TRUE	1.05E-11
Allergic asthma	POU4F1	cg04404489	rs4304924	G	A	-0.242	0.032	0.410	3.80E-14	0.029	0.014	0.033	0.015	57.241	TRUE	4.50E-13
Allergic asthma	POU4F1	cg04404489	rs4341647	T	C	0.162	0.028	0.219	1.09E-08	0.046	0.015	0.002	0.009	32.661	TRUE	1.20E-07
Allergic asthma	POU4F1	cg06675375	rs9530809	G	A	-0.205	0.023	0.500	7.93E-19	0.011	0.015	0.463	0.021	78.474	TRUE	4.05E-18
Allergic asthma	POU4F1	cg11806672	rs12428426	T	C	-0.227	0.028	0.218	4.93E-16	0.034	0.016	0.036	0.017	65.787	TRUE	7.23E-15
Allergic asthma	POU4F1	cg23440004	rs9574240	A	G	-0.166	0.028	0.220	4.68E-09	0.034	0.016	0.033	0.009	34.299	TRUE	2.81E-08
Allergic asthma	POU4F2	cg00505045	rs6839918	A	T	0.241	0.042	0.083	1.30E-08	-0.034	0.029	0.248	0.009	32.320	TRUE	3.81E-08
Allergic asthma	POU4F2	cg19597382	rs75445683	T	C	-0.693	0.048	0.059	4.10E-48	0.056	0.026	0.034	0.054	212.294	TRUE	5.06E-45
Allergic asthma	POU4F2	cg19597382	rs78104021	A	G	-0.304	0.045	0.069	1.87E-11	0.012	0.026	0.644	0.012	45.076	TRUE	4.18E-11
Allergic asthma	POU4F2	cg25406138	rs6537429	A	G	0.320	0.042	0.080	4.32E-14	-0.026	0.031	0.400	0.015	56.984	TRUE	1.63E-13
Allergic asthma	PPIA	cg04192557	rs2158578	G	C	0.203	0.036	0.115	1.37E-08	0.004	0.019	0.849	0.009	32.209	TRUE	2.10E-08
Allergic asthma	PPIA	cg04192557	rs7801952	T	C	-0.315	0.023	0.402	1.14E-41	-0.040	0.014	0.003	0.047	182.778	TRUE	1.96E-38

Allergic asthma	PPIA	cg08300117	rs1050327	A	G	-0.154	0.024	0.464	6.39E-11	-0.034	0.014	0.012	0.011	42.675	TRUE	6.61E-10
Allergic asthma	PPIA	cg08300117	rs6463247	C	T	0.442	0.030	0.171	3.53E-48	0.011	0.020	0.568	0.054	212.591	TRUE	3.22E-46
Allergic asthma	PPIA	cg08300117	rs6950533	A	T	0.239	0.030	0.182	2.67E-15	0.031	0.022	0.160	0.017	62.461	TRUE	1.89E-14
Allergic asthma	PPIA	cg26194633	rs11984372	C	A	-0.143	0.023	0.403	7.57E-10	-0.040	0.014	0.004	0.010	37.848	TRUE	8.66E-09
Allergic asthma	PPIA	cg26307266	rs73102131	T	G	-0.311	0.023	0.402	1.33E-41	-0.039	0.014	0.004	0.047	182.476	TRUE	1.97E-38
Allergic asthma	PPIA	cg26307266	rs7793315	C	T	-0.131	0.023	0.418	1.64E-08	-0.015	0.014	0.283	0.009	31.861	TRUE	4.53E-08
Allergic asthma	PPIF	cg03648155	rs1892498	C	T	0.265	0.030	0.487	9.61E-19	0.036	0.014	0.008	0.021	78.096	TRUE	3.41E-17
Allergic asthma	PPIF	cg04159077	rs2233718	G	A	-0.340	0.030	0.444	4.73E-30	0.033	0.014	0.015	0.034	129.647	TRUE	6.45E-28
Allergic asthma	PPIF	cg08514558	rs1749855	G	T	-0.186	0.024	0.370	1.63E-14	-0.009	0.014	0.492	0.016	58.898	TRUE	5.56E-14
Allergic asthma	PPIF	cg08514558	rs2186235	T	G	0.324	0.030	0.190	9.19E-27	0.019	0.017	0.258	0.030	114.631	TRUE	1.60E-25
Allergic asthma	PPIF	cg08514558	rs2233713	C	A	0.738	0.028	0.443	8.88E-152	0.036	0.014	0.007	0.157	688.257	TRUE	9.63E-138
Allergic asthma	PPIF	cg08514558	rs35028747	T	G	0.170	0.025	0.369	7.30E-12	-0.025	0.014	0.067	0.013	46.920	TRUE	5.04E-11
Allergic asthma	PPIF	cg08514558	rs61851387	A	G	-0.352	0.051	0.055	7.38E-12	0.015	0.029	0.616	0.013	46.897	TRUE	1.75E-11
Allergic asthma	PPIF	cg09469691	rs12240802	C	G	0.406	0.067	0.059	1.10E-09	0.062	0.025	0.011	0.010	37.112	TRUE	9.58E-09
Allergic asthma	PPIF	cg09469691	rs4980061	A	G	0.455	0.023	0.455	6.33E-87	0.032	0.013	0.017	0.095	390.325	TRUE	1.59E-80
Allergic asthma	PPIF	cg11057378	rs2181080	G	A	0.476	0.029	0.453	7.95E-61	0.033	0.014	0.016	0.068	270.563	TRUE	1.32E-56
Allergic asthma	PPIF	cg11057378	rs2186235	T	G	0.172	0.030	0.190	1.30E-08	0.019	0.017	0.258	0.009	32.320	TRUE	3.75E-08
Allergic asthma	PPIF	cg19939077	rs12258151	C	T	0.396	0.062	0.040	1.63E-10	0.001	0.066	0.987	0.011	40.839	TRUE	2.43E-10
Allergic asthma	PPIF	cg19939077	rs1923368	C	T	-0.368	0.030	0.453	4.55E-35	0.033	0.014	0.015	0.040	152.575	TRUE	1.29E-32
Allergic asthma	PPIF	cg26584456	rs10824744	G	A	-0.363	0.030	0.189	1.06E-33	0.009	0.017	0.603	0.038	146.317	TRUE	1.69E-32
Allergic asthma	PPIF	cg26584456	rs111346635	T	C	0.545	0.064	0.074	1.63E-17	-0.027	0.027	0.319	0.019	72.507	TRUE	9.68E-17
Allergic asthma	PPIF	cg26584456	rs11813368	C	T	0.199	0.032	0.160	6.87E-10	-0.015	0.020	0.465	0.010	38.038	TRUE	1.68E-09
Allergic asthma	PPIF	cg26584456	rs12258775	G	A	0.559	0.062	0.040	1.78E-19	0.001	0.066	0.985	0.022	81.429	TRUE	4.48E-19
Allergic asthma	PPIF	cg26584456	rs1923360	C	T	-0.161	0.027	0.239	4.21E-09	-0.030	0.016	0.063	0.009	34.507	TRUE	2.11E-08
Allergic asthma	PPIF	cg26584456	rs35028747	T	G	-0.267	0.025	0.369	3.08E-27	-0.025	0.014	0.067	0.031	116.799	TRUE	1.35E-25
Allergic asthma	PPM1F	cg01188914	rs12152140	G	C	0.620	0.036	0.116	4.94E-67	-0.014	0.021	0.491	0.075	299.029	TRUE	8.33E-64
Allergic asthma	PPM1F	cg01612629	rs17760000	C	G	0.315	0.038	0.108	1.70E-16	0.058	0.025	0.022	0.018	67.882	TRUE	3.19E-15
Allergic asthma	PPM1F	cg01612629	rs240051	A	C	-0.237	0.023	0.497	2.75E-24	-0.017	0.014	0.224	0.027	103.335	TRUE	4.07E-23
Allergic asthma	PPM1F	cg02377915	rs113498774	C	T	-0.822	0.037	0.108	3.89E-107	0.056	0.025	0.026	0.116	483.141	TRUE	6.45E-99
Allergic asthma	PPM1F	cg02377915	rs117685988	T	C	-0.498	0.086	0.020	6.42E-09	0.015	0.063	0.807	0.009	33.684	TRUE	1.04E-08
Allergic asthma	PPM1F	cg02377915	rs141184738	G	C	-0.528	0.094	0.015	2.04E-08	0.125	0.049	0.011	0.008	31.437	TRUE	1.46E-07
Allergic asthma	PPM1F	cg02377915	rs240616	A	G	0.175	0.026	0.305	1.05E-11	-0.011	0.016	0.481	0.012	46.204	TRUE	2.91E-11
Allergic asthma	PPM1F	cg02377915	rs9610504	A	G	-0.189	0.028	0.236	1.06E-11	-0.005	0.017	0.767	0.012	46.186	TRUE	2.11E-11
Allergic asthma	PPM1F	cg07644571	rs113498774	C	T	-0.879	0.037	0.108	7.93E-125	0.056	0.025	0.026	0.132	564.407	TRUE	1.11E-114
Allergic asthma	PPM1F	cg07644571	rs141184738	G	C	-0.618	0.094	0.015	5.17E-11	0.125	0.049	0.011	0.012	43.089	TRUE	5.52E-10
Allergic asthma	PPM1F	cg07644571	rs6518951	C	T	-0.191	0.028	0.240	6.22E-12	-0.006	0.017	0.748	0.013	47.234	TRUE	1.28E-11
Allergic asthma	PPM1F	cg10081899	rs12167687	A	G	0.232	0.025	0.287	5.27E-20	0.027	0.017	0.122	0.022	83.831	TRUE	7.10E-19
Allergic asthma	PPM1F	cg10081899	rs2845457	A	G	0.176	0.032	0.159	3.02E-08	0.022	0.016	0.177	0.008	30.677	TRUE	9.73E-08
Allergic asthma	PPM1F	cg16520652	rs9607460	A	C	-0.243	0.036	0.116	9.00E-12	-0.014	0.021	0.510	0.012	46.511	TRUE	2.41E-11
Allergic asthma	PPM1F	cg24533864	rs238783	A	G	0.132	0.024	0.395	2.95E-08	0.044	0.015	0.005	0.008	30.726	TRUE	2.45E-07
Allergic asthma	PPM1F	cg24533864	rs76341067	T	C	0.265	0.033	0.156	6.58E-16	0.062	0.020	0.002	0.017	65.220	TRUE	2.41E-14
Allergic asthma	PPM1F	cg25172145	rs17759934	T	C	0.291	0.036	0.115	8.90E-16	-0.014	0.021	0.514	0.017	64.626	TRUE	3.25E-15

Allergic asthma	PPM1F	cg25898577	rs112994310	T	C	-0.195	0.029	0.203	1.49E-11	0.019	0.016	0.244	0.012	45.520	TRUE	5.87E-11
Allergic asthma	PPM1F	cg25898577	rs2266980	C	T	0.355	0.036	0.116	5.66E-23	-0.014	0.021	0.515	0.026	97.349	TRUE	3.80E-22
Allergic asthma	PPM1F	cg25898577	rs240067	T	C	-0.333	0.025	0.319	6.30E-41	0.035	0.016	0.028	0.046	179.380	TRUE	2.96E-38
Allergic asthma	PPM1F	cg26285749	rs62234962	T	C	0.250	0.035	0.118	1.99E-12	-0.014	0.021	0.495	0.013	49.471	TRUE	5.70E-12
Allergic asthma	PPM1F	cg27653384	rs2266980	C	T	-0.222	0.036	0.116	9.88E-10	-0.014	0.021	0.515	0.010	37.329	TRUE	2.25E-09
Allergic asthma	PPM1F	cg27653384	rs240067	T	C	0.191	0.025	0.319	2.71E-14	0.035	0.016	0.028	0.015	57.900	TRUE	3.46E-13
Allergic asthma	PPP1R13B	cg03586793	rs111768460	C	A	-0.412	0.048	0.064	5.08E-18	0.005	0.032	0.879	0.020	74.808	TRUE	1.34E-17
Allergic asthma	PPP1R13B	cg08213375	rs10141157	T	C	-0.202	0.024	0.488	8.61E-18	-0.004	0.014	0.752	0.020	73.769	TRUE	2.63E-17
Allergic asthma	PPP1R13B	cg08213375	rs11625018	T	C	0.138	0.024	0.453	5.32E-09	-0.004	0.014	0.793	0.009	34.051	TRUE	8.74E-09
Allergic asthma	PPP1R13B	cg08213375	rs117852820	A	G	0.451	0.058	0.042	1.21E-14	0.006	0.027	0.835	0.016	59.486	TRUE	2.69E-14
Allergic asthma	PPP1R13B	cg08213375	rs17101902	C	A	-0.417	0.063	0.029	3.45E-11	-0.002	0.054	0.968	0.012	43.879	TRUE	5.42E-11
Allergic asthma	PPP1R13B	cg08213375	rs17792891	A	G	-0.295	0.036	0.121	4.13E-16	-0.013	0.022	0.536	0.018	66.135	TRUE	1.50E-15
Allergic asthma	PPP1R13B	cg08213375	rs2223937	G	A	0.719	0.022	0.408	7.32E-230	0.026	0.014	0.055	0.221	1047.233	TRUE	5.36E-205
Allergic asthma	PPP1R13B	cg08213375	rs28794002	C	T	-0.385	0.053	0.052	4.38E-13	0.038	0.031	0.219	0.014	52.438	TRUE	2.11E-12
Allergic asthma	PPP1R13B	cg08213375	rs35033460	T	A	-0.322	0.030	0.192	1.23E-26	-0.036	0.017	0.032	0.030	114.053	TRUE	7.40E-25
Allergic asthma	PPP1R13B	cg08213375	rs35219418	T	A	-0.177	0.028	0.220	4.36E-10	0.009	0.017	0.586	0.010	38.923	TRUE	9.43E-10
Allergic asthma	PPP1R13B	cg08213375	rs4906383	T	C	0.148	0.026	0.301	1.25E-08	0.020	0.014	0.158	0.009	32.395	TRUE	4.36E-08
Allergic asthma	PPP1R13B	cg08213375	rs55860239	C	T	0.477	0.065	0.043	1.81E-13	0.056	0.036	0.122	0.014	54.173	TRUE	1.19E-12
Allergic asthma	PPP1R13B	cg08213375	rs61996722	T	C	-0.249	0.044	0.074	1.54E-08	-0.022	0.025	0.372	0.009	31.982	TRUE	3.78E-08
Allergic asthma	PPP1R13B	cg08213375	rs76525869	C	G	0.620	0.049	0.058	1.68E-36	0.026	0.034	0.435	0.041	159.128	TRUE	5.27E-35
Allergic asthma	PPP1R13B	cg08213375	rs76652177	G	A	-0.233	0.024	0.385	5.18E-23	-0.016	0.015	0.274	0.026	97.526	TRUE	5.82E-22
Allergic asthma	PPP1R13B	cg08213375	rs80020004	T	C	0.380	0.034	0.146	1.09E-28	0.017	0.021	0.425	0.032	123.426	TRUE	1.51E-27
Allergic asthma	PPP1R13B	cg08213375	rs8021877	A	G	0.134	0.024	0.495	1.35E-08	0.015	0.014	0.299	0.009	32.247	TRUE	3.66E-08
Allergic asthma	PPP1R13B	cg09351176	rs2295140	T	C	0.137	0.023	0.463	2.26E-09	0.031	0.013	0.021	0.010	35.718	TRUE	1.59E-08
Allergic asthma	PPP1R13B	cg11829633	rs11625018	T	C	-0.172	0.024	0.453	3.02E-13	-0.004	0.014	0.793	0.014	53.165	TRUE	6.44E-13
Allergic asthma	PPP1R13B	cg11829633	rs11628472	T	C	0.359	0.047	0.060	3.30E-14	-0.026	0.037	0.477	0.015	57.516	TRUE	1.12E-13
Allergic asthma	PPP1R13B	cg11829633	rs117222583	A	G	-0.707	0.069	0.035	9.40E-25	-0.020	0.034	0.561	0.028	105.463	TRUE	6.83E-24
Allergic asthma	PPP1R13B	cg11829633	rs117260308	G	A	-0.761	0.114	0.024	2.06E-11	0.049	0.049	0.310	0.012	44.888	TRUE	7.11E-11
Allergic asthma	PPP1R13B	cg11829633	rs117852820	A	G	-0.744	0.058	0.042	9.64E-38	0.006	0.027	0.835	0.043	164.806	TRUE	1.48E-36
Allergic asthma	PPP1R13B	cg11829633	rs12884809	A	G	-0.842	0.022	0.343	<1E-200	0.018	0.014	0.198	0.293	1529.633	TRUE	3.75E-290
Allergic asthma	PPP1R13B	cg11829633	rs12885878	A	G	0.269	0.028	0.230	1.38E-22	-0.001	0.015	0.923	0.025	95.588	TRUE	4.72E-22
Allergic asthma	PPP1R13B	cg11829633	rs138358446	T	C	-0.839	0.072	0.057	7.97E-32	0.028	0.028	0.329	0.036	137.748	TRUE	1.96E-30
Allergic asthma	PPP1R13B	cg11829633	rs138487470	T	C	-0.475	0.048	0.062	4.67E-23	0.006	0.032	0.857	0.026	97.731	TRUE	1.83E-22
Allergic asthma	PPP1R13B	cg11829633	rs139688434	A	C	0.565	0.103	0.015	3.77E-08	0.024	0.031	0.437	0.008	30.248	TRUE	8.28E-08
Allergic asthma	PPP1R13B	cg11829633	rs3212102	T	C	0.524	0.068	0.027	1.96E-14	-0.008	0.045	0.865	0.016	58.545	TRUE	4.14E-14
Allergic asthma	PPP1R13B	cg11829633	rs35033460	T	A	0.466	0.030	0.192	1.04E-54	-0.036	0.017	0.032	0.062	242.523	TRUE	3.81E-51
Allergic asthma	PPP1R13B	cg11829633	rs35265415	T	G	-0.528	0.057	0.047	4.37E-20	0.051	0.044	0.237	0.022	84.202	TRUE	4.03E-19
Allergic asthma	PPP1R13B	cg11829633	rs35797471	C	T	0.290	0.024	0.438	1.14E-34	-0.012	0.014	0.390	0.039	150.754	TRUE	3.26E-33
Allergic asthma	PPP1R13B	cg11829633	rs4906321	T	C	0.363	0.024	0.334	1.23E-50	-0.013	0.015	0.390	0.057	223.854	TRUE	2.54E-48
Allergic asthma	PPP1R13B	cg11829633	rs4906382	A	G	0.150	0.026	0.266	1.04E-08	-0.030	0.015	0.055	0.009	32.752	TRUE	5.14E-08
Allergic asthma	PPP1R13B	cg11829633	rs4906415	A	G	-0.360	0.027	0.267	1.21E-40	0.008	0.015	0.577	0.046	178.089	TRUE	4.33E-39
Allergic asthma	PPP1R13B	cg11829633	rs61995844	T	G	0.402	0.053	0.055	3.16E-14	0.038	0.031	0.219	0.015	57.602	TRUE	1.70E-13

Allergic asthma	PPP1R13B	cg11829633	rs61995855	A	G	0.476	0.028	0.198	9.91E-63	-0.003	0.020	0.876	0.070	279.296	TRUE	3.03E-60
Allergic asthma	PPP1R13B	cg11829633	rs61996722	T	C	0.366	0.044	0.074	7.52E-17	-0.022	0.025	0.372	0.018	69.493	TRUE	3.79E-16
Allergic asthma	PPP1R13B	cg11829633	rs7154682	C	T	-0.257	0.035	0.142	1.42E-13	0.022	0.021	0.305	0.015	54.648	TRUE	6.02E-13
Allergic asthma	PPP1R13B	cg11829633	rs78113926	C	T	0.402	0.052	0.052	1.55E-14	0.037	0.039	0.335	0.016	59.006	TRUE	6.77E-14
Allergic asthma	PPP1R13B	cg11829633	rs79028212	G	C	0.390	0.050	0.054	6.92E-15	-0.030	0.032	0.346	0.016	60.589	TRUE	3.07E-14
Allergic asthma	PPP1R13B	cg11829633	rs8021877	A	G	-0.245	0.023	0.495	1.83E-25	0.015	0.014	0.299	0.029	108.701	TRUE	2.48E-24
Allergic asthma	PPP1R13B	cg18137598	rs10141157	T	C	0.292	0.023	0.488	6.31E-36	-0.004	0.014	0.752	0.041	156.501	TRUE	9.41E-35
Allergic asthma	PPP1R13B	cg18137598	rs11160740	G	A	-0.253	0.023	0.470	5.40E-28	-0.012	0.014	0.382	0.031	120.251	TRUE	7.71E-27
Allergic asthma	PPP1R13B	cg18137598	rs11626034	G	A	-0.360	0.025	0.337	2.21E-47	0.012	0.015	0.435	0.053	208.940	TRUE	2.59E-45
Allergic asthma	PPP1R13B	cg18137598	rs117812025	T	G	-0.808	0.109	0.025	1.16E-13	0.050	0.038	0.183	0.015	55.040	TRUE	6.48E-13
Allergic asthma	PPP1R13B	cg18137598	rs201472481	G	A	0.296	0.023	0.440	3.95E-37	-0.027	0.014	0.055	0.042	162.006	TRUE	7.10E-35
Allergic asthma	PPP1R13B	cg18137598	rs2039894	A	G	-0.199	0.024	0.389	1.29E-16	0.011	0.014	0.421	0.018	68.436	TRUE	5.83E-16
Allergic asthma	PPP1R13B	cg18137598	rs3212028	T	C	-1.169	0.029	0.138	<1E-200	0.026	0.022	0.250	0.303	1604.379	TRUE	5.57E-303
Allergic asthma	PPP1R13B	cg18137598	rs34177372	A	G	-0.845	0.150	0.014	1.86E-08	0.067	0.104	0.522	0.008	31.614	TRUE	3.83E-08
Allergic asthma	PPP1R13B	cg18137598	rs35219418	T	A	0.169	0.028	0.220	2.35E-09	0.009	0.017	0.586	0.010	35.641	TRUE	4.82E-09
Allergic asthma	PPP1R13B	cg18137598	rs35826019	T	C	-0.145	0.024	0.457	7.75E-10	-0.002	0.014	0.901	0.010	37.802	TRUE	1.21E-09
Allergic asthma	PPP1R13B	cg18137598	rs36042291	A	G	-0.619	0.100	0.011	6.15E-10	0.122	0.111	0.275	0.010	38.252	TRUE	1.97E-09
Allergic asthma	PPP1R13B	cg18137598	rs3759579	A	G	0.238	0.024	0.406	6.01E-24	-0.020	0.014	0.155	0.027	101.789	TRUE	1.09E-22
Allergic asthma	PPP1R13B	cg18137598	rs45488896	T	C	-0.767	0.078	0.022	6.49E-23	0.010	0.062	0.876	0.026	97.077	TRUE	2.44E-22
Allergic asthma	PPP1R13B	cg18137598	rs6575976	C	T	0.263	0.024	0.431	6.72E-29	-0.017	0.014	0.215	0.033	124.382	TRUE	1.70E-27
Allergic asthma	PPP1R13B	cg18137598	rs67478160	T	C	0.312	0.023	0.422	1.82E-40	-0.029	0.014	0.031	0.046	177.267	TRUE	7.55E-38
Allergic asthma	PPP1R13B	cg18137598	rs7155786	T	C	0.206	0.036	0.117	9.24E-09	-0.013	0.024	0.582	0.009	32.976	TRUE	1.83E-08
Allergic asthma	PPT2	cg00086577	rs1042337	G	A	-0.172	0.027	0.253	9.88E-11	0.018	0.019	0.336	0.011	41.822	TRUE	3.08E-10
Allergic asthma	PPT2	cg00086577	rs1061118	G	A	-0.176	0.026	0.318	6.34E-12	-0.081	0.014	3.36E-09	0.013	47.195	TRUE	1.02E-09
Allergic asthma	PPT2	cg00086577	rs1269839	T	G	-0.604	0.050	0.055	4.06E-34	0.260	0.094	0.006	0.039	148.230	TRUE	1.60E-31
Allergic asthma	PPT2	cg00086577	rs151719	C	T	-0.203	0.027	0.248	6.05E-14	0.020	0.018	0.260	0.015	56.326	TRUE	2.90E-13
Allergic asthma	PPT2	cg00086577	rs17843607	G	A	-0.226	0.023	0.472	1.29E-22	-0.116	0.014	1.41E-17	0.025	95.725	TRUE	4.64E-18
Allergic asthma	PPT2	cg00086577	rs2596464	T	C	-0.146	0.024	0.464	5.13E-10	-0.119	0.014	2.90E-18	0.010	38.607	TRUE	2.95E-07
Allergic asthma	PPT2	cg00086577	rs3130283	A	C	-0.672	0.031	0.161	1.57E-103	0.050	0.020	0.013	0.112	466.579	TRUE	2.09E-95
Allergic asthma	PPT2	cg00086577	rs3131627	A	G	-0.228	0.024	0.404	1.88E-21	0.005	0.014	0.697	0.024	90.419	TRUE	8.24E-21
Allergic asthma	PPT2	cg00086577	rs34137317	T	C	-0.547	0.096	0.020	1.37E-08	-0.083	0.065	0.201	0.009	32.207	TRUE	4.38E-08
Allergic asthma	PPT2	cg00086577	rs397515530	A	G	0.186	0.026	0.297	6.38E-13	0.019	0.014	0.174	0.014	51.699	TRUE	3.37E-12
Allergic asthma	PPT2	cg00086577	rs7770045	G	T	0.144	0.024	0.451	8.06E-10	-0.070	0.013	1.91E-07	0.010	37.725	TRUE	4.47E-08
Allergic asthma	PPT2	cg00086577	rs909253	G	A	0.311	0.024	0.360	1.08E-37	0.057	0.014	8.02E-05	0.043	164.589	TRUE	4.09E-34
Allergic asthma	PPT2	cg00086577	rs9265494	C	T	0.235	0.025	0.336	3.05E-20	-0.007	0.014	0.582	0.022	84.909	TRUE	1.45E-19
Allergic asthma	PPT2	cg00086577	rs9268202	T	C	0.294	0.028	0.231	3.03E-26	0.044	0.015	0.004	0.029	112.264	TRUE	4.40E-24
Allergic asthma	PPT2	cg00086577	rs9270505	A	G	-0.319	0.023	0.424	5.25E-42	-0.074	0.014	4.78E-08	0.047	184.321	TRUE	4.39E-37
Allergic asthma	PPT2	cg00086577	rs9276816	T	C	0.221	0.024	0.423	1.00E-20	0.062	0.014	6.36E-06	0.023	87.112	TRUE	3.44E-18
Allergic asthma	PPT2	cg00110832	rs3130284	C	T	-0.184	0.027	0.236	2.15E-11	0.094	0.019	3.58E-07	0.012	44.807	TRUE	1.64E-09
Allergic asthma	PPT2	cg00552704	rs3130284	C	T	-0.283	0.027	0.236	4.55E-25	0.094	0.019	3.58E-07	0.028	106.896	TRUE	7.01E-22
Allergic asthma	PPT2	cg00552704	rs35915063	G	A	0.187	0.032	0.171	2.96E-09	0.033	0.022	0.128	0.009	35.193	TRUE	1.19E-08
Allergic asthma	PPT2	cg00552704	rs6906662	A	G	-0.276	0.049	0.062	2.09E-08	-0.046	0.026	0.073	0.008	31.395	TRUE	9.13E-08

Allergic asthma	PPT2	cg00552704	rs9267817	A	G	0.488	0.029	0.212	1.53E-65	0.006	0.014	0.696	0.073	292.192	TRUE	1.13E-62
Allergic asthma	PPT2	cg00933538	rs115884658	A	G	0.645	0.092	0.021	1.80E-12	0.141	0.036	7.70E-05	0.013	49.661	TRUE	7.37E-11
Allergic asthma	PPT2	cg00933538	rs116416438	A	G	0.523	0.077	0.021	1.42E-11	0.002	0.026	0.935	0.012	45.613	TRUE	2.36E-11
Allergic asthma	PPT2	cg00933538	rs2854260	T	C	0.295	0.032	0.169	5.40E-20	0.033	0.022	0.129	0.022	83.782	TRUE	7.05E-19
Allergic asthma	PPT2	cg00933538	rs3130284	C	T	-0.321	0.027	0.236	6.57E-32	0.094	0.019	3.58E-07	0.036	138.130	TRUE	4.06E-28
Allergic asthma	PPT2	cg00933538	rs3213490	T	C	0.186	0.023	0.447	2.10E-15	-0.070	0.013	1.90E-07	0.017	62.934	TRUE	4.57E-13
Allergic asthma	PPT2	cg00933538	rs707930	T	C	0.254	0.024	0.464	1.32E-26	0.030	0.014	0.028	0.030	113.915	TRUE	8.40E-25
Allergic asthma	PPT2	cg00933538	rs9267817	A	G	0.763	0.028	0.212	1.04E-168	0.006	0.014	0.696	0.172	766.087	TRUE	1.78E-155
Allergic asthma	PPT2	cg01111041	rs1269839	T	G	0.317	0.050	0.055	2.24E-10	0.260	0.094	0.006	0.011	40.225	TRUE	2.56E-09
Allergic asthma	PPT2	cg02956248	rs3130283	A	C	0.261	0.032	0.161	2.57E-16	0.050	0.020	0.013	0.018	67.070	TRUE	5.62E-15
Allergic asthma	PPT2	cg03434432	rs151719	C	T	-0.310	0.027	0.248	7.99E-31	0.020	0.018	0.260	0.035	133.172	TRUE	2.16E-29
Allergic asthma	PPT2	cg03434432	rs176095	G	A	0.278	0.026	0.259	1.00E-25	0.100	0.019	7.61E-08	0.029	109.894	TRUE	2.46E-22
Allergic asthma	PPT2	cg03434432	rs17843607	G	A	-0.395	0.023	0.472	6.53E-68	-0.116	0.014	1.41E-17	0.076	303.063	TRUE	6.11E-58
Allergic asthma	PPT2	cg03434432	rs241447	C	T	0.172	0.028	0.242	4.51E-10	-0.127	0.014	2.18E-18	0.010	38.859	TRUE	2.71E-07
Allergic asthma	PPT2	cg03434432	rs3130283	A	C	-1.178	0.025	0.161	<1E-200	0.050	0.020	0.013	0.368	2152.006	TRUE	<1E-200
Allergic asthma	PPT2	cg03434432	rs3130934	A	C	-0.384	0.025	0.316	1.48E-51	-0.082	0.014	2.91E-09	0.058	228.066	TRUE	2.13E-45
Allergic asthma	PPT2	cg03434432	rs3131627	A	G	-0.331	0.024	0.404	2.53E-44	0.005	0.014	0.697	0.050	194.931	TRUE	1.06E-42
Allergic asthma	PPT2	cg03434432	rs34137317	T	C	-0.985	0.096	0.020	8.43E-25	-0.083	0.065	0.201	0.028	105.677	TRUE	1.42E-23
Allergic asthma	PPT2	cg03434432	rs41316200	T	C	0.224	0.031	0.171	8.26E-13	0.033	0.022	0.130	0.014	51.192	TRUE	4.92E-12
Allergic asthma	PPT2	cg03434432	rs429608	A	G	0.207	0.032	0.156	1.10E-10	0.024	0.021	0.259	0.011	41.604	TRUE	3.90E-10
Allergic asthma	PPT2	cg03434432	rs537757	T	A	0.274	0.024	0.373	2.41E-29	0.027	0.015	0.059	0.033	126.414	TRUE	1.48E-27
Allergic asthma	PPT2	cg03434432	rs9267817	A	G	0.202	0.029	0.212	3.03E-12	0.006	0.014	0.696	0.013	48.643	TRUE	6.74E-12
Allergic asthma	PPT2	cg03434432	rs9267857	G	A	0.272	0.024	0.417	6.10E-31	-0.013	0.014	0.386	0.035	133.710	TRUE	1.18E-29
Allergic asthma	PPT2	cg03434432	rs9269020	G	A	0.259	0.023	0.404	2.68E-28	0.084	0.014	1.01E-09	0.032	121.640	TRUE	2.76E-24
Allergic asthma	PPT2	cg03434432	rs9273748	A	C	0.238	0.038	0.104	2.36E-10	0.052	0.034	0.129	0.011	40.123	TRUE	1.08E-09
Allergic asthma	PPT2	cg03434432	rs9469089	C	G	0.201	0.033	0.144	1.88E-09	-0.120	0.016	1.56E-13	0.010	36.072	TRUE	3.79E-07
Allergic asthma	PPT2	cg03995156	rs1269839	T	G	-0.353	0.050	0.055	1.43E-12	0.260	0.094	0.006	0.013	50.114	TRUE	2.31E-11
Allergic asthma	PPT2	cg03995156	rs3130283	A	C	-0.472	0.032	0.161	1.54E-50	0.050	0.020	0.013	0.057	223.401	TRUE	5.20E-47
Allergic asthma	PPT2	cg03995156	rs397515530	A	G	0.160	0.026	0.297	5.79E-10	0.019	0.014	0.174	0.010	38.369	TRUE	2.25E-09
Allergic asthma	PPT2	cg03995156	rs9270505	A	G	-0.192	0.024	0.424	5.16E-16	-0.074	0.014	4.78E-08	0.017	65.698	TRUE	1.61E-13
Allergic asthma	PPT2	cg03995156	rs9276816	T	C	0.138	0.024	0.423	5.69E-09	0.062	0.014	6.36E-06	0.009	33.921	TRUE	1.61E-07
Allergic asthma	PPT2	cg04105091	rs3130348	A	C	-0.232	0.027	0.237	2.63E-17	0.092	0.019	6.15E-07	0.019	71.569	TRUE	7.14E-15
Allergic asthma	PPT2	cg04105091	rs9267817	A	G	0.371	0.029	0.212	5.68E-38	0.006	0.014	0.696	0.043	165.858	TRUE	1.17E-36
Allergic asthma	PPT2	cg04536704	rs151719	C	T	-0.176	0.027	0.248	6.97E-11	0.020	0.018	0.260	0.011	42.504	TRUE	2.50E-10
Allergic asthma	PPT2	cg04536704	rs3130283	A	C	-0.539	0.031	0.161	2.04E-66	0.050	0.020	0.013	0.074	296.202	TRUE	1.10E-61
Allergic asthma	PPT2	cg04536704	rs3130284	C	T	0.263	0.027	0.236	6.99E-22	0.094	0.019	3.58E-07	0.024	92.377	TRUE	5.56E-19
Allergic asthma	PPT2	cg04536704	rs3131627	A	G	-0.190	0.024	0.404	1.46E-15	0.005	0.014	0.697	0.017	63.653	TRUE	4.08E-15
Allergic asthma	PPT2	cg04536704	rs743401	C	T	-0.159	0.024	0.404	1.89E-11	0.029	0.014	0.038	0.012	45.062	TRUE	1.50E-10
Allergic asthma	PPT2	cg04536704	rs7755290	G	A	-0.273	0.050	0.054	4.74E-08	0.261	0.101	0.010	0.008	29.805	TRUE	3.25E-07
Allergic asthma	PPT2	cg04536704	rs9265494	C	T	0.206	0.025	0.336	4.75E-16	-0.007	0.014	0.582	0.017	65.860	TRUE	1.61E-15
Allergic asthma	PPT2	cg04536704	rs9270505	A	G	-0.232	0.024	0.424	7.17E-23	-0.074	0.014	4.78E-08	0.026	96.882	TRUE	1.05E-19
Allergic asthma	PPT2	cg04536704	rs9276582	C	G	0.216	0.030	0.185	6.55E-13	0.034	0.017	0.046	0.014	51.646	TRUE	5.90E-12

Allergic asthma	PPT2	cg04536704	rs9276816	T	C	0.138	0.024	0.423	4.97E-09	0.062	0.014	6.36E-06	0.009	34.184	TRUE	1.43E-07
Allergic asthma	PPT2	cg04749507	rs114004994	C	G	0.523	0.061	0.036	9.02E-18	0.055	0.037	0.140	0.020	73.677	TRUE	8.87E-17
Allergic asthma	PPT2	cg04749507	rs1573648	A	G	-0.132	0.024	0.456	2.13E-08	-0.048	0.013	3.59E-04	0.008	31.353	TRUE	2.91E-07
Allergic asthma	PPT2	cg04749507	rs9267817	A	G	-0.445	0.029	0.212	1.05E-54	0.006	0.014	0.696	0.062	242.497	TRUE	1.64E-52
Allergic asthma	PPT2	cg04856022	rs1269839	T	G	-0.307	0.050	0.055	8.37E-10	0.260	0.094	0.006	0.010	37.652	TRUE	8.72E-09
Allergic asthma	PPT2	cg04856022	rs151719	C	T	-0.151	0.027	0.248	2.31E-08	0.020	0.018	0.260	0.008	31.196	TRUE	6.51E-08
Allergic asthma	PPT2	cg04856022	rs3130283	A	C	-0.577	0.031	0.161	1.19E-75	0.050	0.020	0.013	0.084	338.570	TRUE	3.75E-70
Allergic asthma	PPT2	cg04856022	rs3131627	A	G	-0.196	0.024	0.404	2.21E-16	0.005	0.014	0.697	0.018	67.368	TRUE	6.57E-16
Allergic asthma	PPT2	cg04856022	rs3134944	T	C	0.293	0.027	0.237	1.06E-26	0.092	0.019	6.28E-07	0.030	114.349	TRUE	2.00E-23
Allergic asthma	PPT2	cg04856022	rs9263787	T	A	-0.174	0.024	0.404	3.10E-13	0.029	0.014	0.039	0.014	53.118	TRUE	3.06E-12
Allergic asthma	PPT2	cg04856022	rs9265494	C	T	0.210	0.025	0.336	1.37E-16	-0.007	0.014	0.582	0.018	68.308	TRUE	4.85E-16
Allergic asthma	PPT2	cg04856022	rs9270505	A	G	-0.229	0.024	0.424	2.71E-22	-0.074	0.014	4.78E-08	0.025	94.251	TRUE	3.49E-19
Allergic asthma	PPT2	cg04856022	rs9276582	C	G	0.215	0.030	0.185	1.16E-12	0.034	0.017	0.046	0.013	50.520	TRUE	1.01E-11
Allergic asthma	PPT2	cg04856022	rs9276816	T	C	0.167	0.024	0.423	1.99E-12	0.062	0.014	6.36E-06	0.013	49.465	TRUE	1.25E-10
Allergic asthma	PPT2	cg04877280	rs2763979	T	C	0.147	0.025	0.351	2.80E-09	-0.017	0.014	0.205	0.009	35.297	TRUE	9.51E-09
Allergic asthma	PPT2	cg04877280	rs3130283	A	C	-0.319	0.032	0.161	7.18E-24	0.050	0.020	0.013	0.027	101.436	TRUE	4.46E-22
Allergic asthma	PPT2	cg05133205	rs3130071	T	A	0.206	0.033	0.148	3.23E-10	0.007	0.020	0.729	0.011	39.509	TRUE	6.08E-10
Allergic asthma	PPT2	cg05133205	rs3130348	A	C	-0.309	0.027	0.237	1.11E-29	0.092	0.019	6.15E-07	0.033	127.959	TRUE	3.82E-26
Allergic asthma	PPT2	cg05133205	rs6906662	A	G	-0.276	0.049	0.062	2.19E-08	-0.046	0.026	0.073	0.008	31.304	TRUE	9.55E-08
Allergic asthma	PPT2	cg05133205	rs9267817	A	G	0.407	0.029	0.212	1.00E-45	0.006	0.014	0.696	0.052	201.349	TRUE	5.00E-44
Allergic asthma	PPT2	cg05133205	rs9269017	A	G	-0.164	0.029	0.198	2.30E-08	0.020	0.014	0.168	0.008	31.207	TRUE	7.65E-08
Allergic asthma	PPT2	cg05133205	rs9276582	C	G	-0.184	0.030	0.185	1.12E-09	0.034	0.017	0.046	0.010	37.082	TRUE	6.66E-09
Allergic asthma	PPT2	cg05323467	rs9267817	A	G	0.214	0.029	0.212	9.32E-14	0.006	0.014	0.696	0.015	55.477	TRUE	2.30E-13
Allergic asthma	PPT2	cg06025456	rs6457535	A	G	0.198	0.032	0.158	4.32E-10	0.049	0.020	0.015	0.010	38.942	TRUE	3.73E-09
Allergic asthma	PPT2	cg06108383	rs3130283	A	C	0.264	0.032	0.161	1.09E-16	0.050	0.020	0.013	0.018	68.758	TRUE	2.51E-15
Allergic asthma	PPT2	cg06264679	rs116416438	A	G	0.445	0.078	0.021	9.86E-09	0.002	0.026	0.935	0.009	32.850	TRUE	1.41E-08
Allergic asthma	PPT2	cg06264679	rs2243873	C	A	-0.143	0.024	0.459	2.38E-09	-0.040	0.013	0.003	0.010	35.612	TRUE	2.62E-08
Allergic asthma	PPT2	cg06264679	rs3130284	C	T	-0.271	0.027	0.236	4.71E-23	0.094	0.019	3.58E-07	0.026	97.712	TRUE	4.79E-20
Allergic asthma	PPT2	cg06264679	rs6457646	A	G	0.136	0.023	0.447	6.79E-09	-0.070	0.013	1.91E-07	0.009	33.575	TRUE	2.93E-07
Allergic asthma	PPT2	cg06264679	rs9267817	A	G	0.542	0.028	0.212	4.40E-81	0.006	0.014	0.696	0.089	363.506	TRUE	4.19E-77
Allergic asthma	PPT2	cg06814287	rs2596464	T	C	0.137	0.024	0.464	5.58E-09	-0.119	0.014	2.90E-18	0.009	33.958	TRUE	2.08E-06
Allergic asthma	PPT2	cg06814287	rs3130283	A	C	0.262	0.032	0.161	1.99E-16	0.050	0.020	0.013	0.018	67.575	TRUE	4.42E-15
Allergic asthma	PPT2	cg06814287	rs3130284	C	T	-0.258	0.027	0.236	4.79E-21	0.094	0.019	3.58E-07	0.023	88.567	TRUE	3.20E-18
Allergic asthma	PPT2	cg06814287	rs3957147	T	C	-0.203	0.030	0.188	2.66E-11	0.054	0.016	6.68E-04	0.012	44.390	TRUE	5.69E-10
Allergic asthma	PPT2	cg06814287	rs909253	G	A	-0.137	0.024	0.360	1.98E-08	0.057	0.014	8.02E-05	0.008	31.495	TRUE	3.45E-07
Allergic asthma	PPT2	cg06832687	rs151719	C	T	-0.159	0.027	0.248	4.00E-09	0.020	0.018	0.260	0.009	34.603	TRUE	1.21E-08
Allergic asthma	PPT2	cg06832687	rs3130283	A	C	-0.524	0.031	0.161	1.14E-62	0.050	0.020	0.013	0.070	279.013	TRUE	3.10E-58
Allergic asthma	PPT2	cg06832687	rs3130934	A	C	-0.163	0.026	0.316	2.20E-10	-0.082	0.014	2.91E-09	0.011	40.259	TRUE	2.33E-08
Allergic asthma	PPT2	cg06832687	rs9265494	C	T	0.146	0.025	0.336	9.57E-09	-0.007	0.014	0.582	0.009	32.909	TRUE	1.89E-08
Allergic asthma	PPT2	cg06832687	rs9270505	A	G	-0.176	0.024	0.424	7.81E-14	-0.074	0.014	4.78E-08	0.015	55.822	TRUE	1.45E-11
Allergic asthma	PPT2	cg06832687	rs9276816	T	C	0.137	0.024	0.423	7.00E-09	0.062	0.014	6.36E-06	0.009	33.518	TRUE	1.94E-07
Allergic asthma	PPT2	cg06902929	rs1269839	T	G	-0.423	0.050	0.055	1.69E-17	0.260	0.094	0.006	0.019	72.440	TRUE	5.73E-16

Allergic asthma	PPT2	cg06902929	rs9267817	A	G	0.161	0.029	0.212	2.71E-08	0.006	0.014	0.696	0.008	30.890	TRUE	4.65E-08
Allergic asthma	PPT2	cg08057899	rs3134944	T	C	-0.250	0.027	0.237	3.02E-20	0.092	0.019	6.28E-07	0.022	84.930	TRUE	1.53E-17
Allergic asthma	PPT2	cg08295094	rs1055890	G	A	0.162	0.025	0.356	4.91E-11	-0.052	0.014	1.35E-04	0.012	43.189	TRUE	1.36E-09
Allergic asthma	PPT2	cg08295094	rs1419881	A	G	-0.190	0.023	0.488	2.91E-16	0.053	0.014	8.93E-05	0.018	66.827	TRUE	2.38E-14
Allergic asthma	PPT2	cg08295094	rs2243873	C	A	-0.215	0.024	0.459	1.16E-19	-0.040	0.013	0.003	0.022	82.276	TRUE	6.56E-18
Allergic asthma	PPT2	cg08295094	rs2395191	T	C	0.191	0.025	0.357	1.17E-14	-0.007	0.015	0.654	0.016	59.547	TRUE	3.25E-14
Allergic asthma	PPT2	cg08295094	rs3130348	A	C	-0.636	0.026	0.237	2.71E-129	0.092	0.019	6.15E-07	0.137	584.928	TRUE	2.31E-115
Allergic asthma	PPT2	cg08295094	rs41543814	T	C	0.196	0.024	0.417	1.24E-16	0.023	0.014	0.099	0.018	68.516	TRUE	1.27E-15
Allergic asthma	PPT2	cg08295094	rs522254	G	A	0.215	0.028	0.207	2.81E-14	0.061	0.017	4.66E-04	0.015	57.833	TRUE	1.11E-12
Allergic asthma	PPT2	cg08295094	rs71543427	A	C	-0.500	0.077	0.024	1.05E-10	0.014	0.038	0.710	0.011	41.698	TRUE	2.08E-10
Allergic asthma	PPT2	cg08295094	rs9265494	C	T	-0.153	0.025	0.336	1.62E-09	-0.007	0.014	0.582	0.010	36.361	TRUE	3.38E-09
Allergic asthma	PPT2	cg08295094	rs9267817	A	G	0.190	0.029	0.212	4.04E-11	0.006	0.014	0.696	0.012	43.571	TRUE	8.33E-11
Allergic asthma	PPT2	cg08295094	rs9273325	A	G	-0.324	0.032	0.150	1.15E-24	0.072	0.017	1.77E-05	0.028	105.065	TRUE	6.52E-22
Allergic asthma	PPT2	cg10551329	rs3130283	A	C	0.182	0.032	0.161	1.07E-08	0.050	0.020	0.013	0.009	32.689	TRUE	7.71E-08
Allergic asthma	PPT2	cg11122280	rs1269839	T	G	0.483	0.050	0.055	1.72E-22	0.260	0.094	0.006	0.025	95.154	TRUE	1.21E-20
Allergic asthma	PPT2	cg11386011	rs3131297	T	A	-0.195	0.028	0.236	1.33E-12	0.093	0.019	5.25E-07	0.013	50.254	TRUE	1.29E-10
Allergic asthma	PPT2	cg11386011	rs9267817	A	G	0.165	0.029	0.212	1.35E-08	0.006	0.014	0.696	0.009	32.246	TRUE	2.36E-08
Allergic asthma	PPT2	cg11941520	rs176095	G	A	-0.180	0.027	0.259	1.24E-11	0.100	0.019	7.61E-08	0.012	45.889	TRUE	1.24E-09
Allergic asthma	PPT2	cg11941520	rs2854260	T	C	0.219	0.032	0.169	1.19E-11	0.033	0.022	0.129	0.012	45.955	TRUE	6.28E-11
Allergic asthma	PPT2	cg11941520	rs9267817	A	G	0.502	0.029	0.212	2.19E-69	0.006	0.014	0.696	0.077	309.825	TRUE	2.94E-66
Allergic asthma	PPT2	cg12585943	rs3130348	A	C	-0.263	0.027	0.237	6.97E-22	0.092	0.019	6.15E-07	0.024	92.383	TRUE	4.96E-19
Allergic asthma	PPT2	cg12585943	rs9267817	A	G	0.449	0.029	0.212	1.27E-55	0.006	0.014	0.696	0.063	246.711	TRUE	2.24E-53
Allergic asthma	PPT2	cg12738718	rs3130348	A	C	-0.186	0.028	0.237	1.48E-11	0.092	0.019	6.15E-07	0.012	45.531	TRUE	1.09E-09
Allergic asthma	PPT2	cg12738718	rs9267817	A	G	0.257	0.029	0.212	5.94E-19	0.006	0.014	0.696	0.021	79.044	TRUE	2.14E-18
Allergic asthma	PPT2	cg12883279	rs1061808	T	G	0.147	0.024	0.377	1.07E-09	-0.058	0.014	2.59E-05	0.010	37.182	TRUE	2.93E-08
Allergic asthma	PPT2	cg13102294	rs3134947	T	C	-0.264	0.027	0.237	5.81E-22	0.092	0.019	6.52E-07	0.024	92.741	TRUE	4.16E-19
Allergic asthma	PPT2	cg13102294	rs9267817	A	G	0.476	0.029	0.212	1.78E-62	0.006	0.014	0.696	0.070	278.133	TRUE	8.28E-60
Allergic asthma	PPT2	cg13934406	rs3117578	A	G	0.205	0.032	0.153	1.43E-10	0.005	0.020	0.796	0.011	41.096	TRUE	2.58E-10
Allergic asthma	PPT2	cg14130039	rs3130348	A	C	-0.205	0.027	0.237	8.52E-14	0.092	0.019	6.15E-07	0.015	55.652	TRUE	1.06E-11
Allergic asthma	PPT2	cg14130039	rs9267817	A	G	0.289	0.029	0.212	1.62E-23	0.006	0.014	0.696	0.026	99.830	TRUE	8.41E-23
Allergic asthma	PPT2	cg14237933	rs9267817	A	G	0.227	0.028	0.212	1.32E-15	0.006	0.014	0.696	0.017	63.856	TRUE	3.70E-15
Allergic asthma	PPT2	cg15755475	rs116329723	G	T	-1.085	0.104	0.015	1.37E-25	-0.048	0.048	0.319	0.029	109.282	TRUE	1.78E-24
Allergic asthma	PPT2	cg15755475	rs1269839	T	G	-1.575	0.044	0.055	5.20E-284	0.260	0.094	0.006	0.259	1296.250	TRUE	1.49E-247
Allergic asthma	PPT2	cg15755475	rs1419881	A	G	-0.197	0.023	0.488	3.10E-17	0.053	0.014	8.93E-05	0.019	71.243	TRUE	3.03E-15
Allergic asthma	PPT2	cg15755475	rs187764	T	C	-0.490	0.046	0.068	4.81E-26	-0.082	0.056	0.139	0.029	111.351	TRUE	1.19E-24
Allergic asthma	PPT2	cg15755475	rs2261033	G	A	0.203	0.024	0.418	1.00E-17	-0.060	0.014	1.07E-05	0.019	73.472	TRUE	1.71E-15
Allergic asthma	PPT2	cg15755475	rs2516466	T	G	0.145	0.024	0.446	7.51E-10	-0.102	0.014	6.68E-14	0.010	37.864	TRUE	1.87E-07
Allergic asthma	PPT2	cg15755475	rs28366128	C	A	-0.210	0.025	0.307	1.21E-16	-0.097	0.015	2.13E-11	0.018	68.556	TRUE	1.34E-13
Allergic asthma	PPT2	cg15755475	rs28366176	G	T	-0.443	0.031	0.152	1.77E-46	-0.098	0.016	1.93E-09	0.052	204.802	TRUE	9.11E-41
Allergic asthma	PPT2	cg15755475	rs41543814	T	C	-0.158	0.024	0.417	2.86E-11	0.023	0.014	0.099	0.012	44.247	TRUE	1.60E-10
Allergic asthma	PPT2	cg15755475	rs6457646	A	G	0.154	0.023	0.447	3.75E-11	-0.070	0.013	1.91E-07	0.012	43.717	TRUE	2.94E-09
Allergic asthma	PPT2	cg15755475	rs73404226	A	T	-0.455	0.071	0.027	1.19E-10	-0.082	0.138	0.551	0.011	41.455	TRUE	2.79E-10

Allergic asthma	PPT2	cg15755475	rs9266253	G	C	-0.254	0.031	0.178	8.19E-17	0.051	0.022	0.019	0.018	69.326	TRUE	1.68E-15
Allergic asthma	PPT2	cg15755475	rs9267857	G	A	-0.247	0.023	0.417	4.99E-26	-0.013	0.014	0.386	0.029	111.278	TRUE	5.80E-25
Allergic asthma	PPT2	cg15755475	rs9269020	G	A	-0.147	0.023	0.404	3.54E-10	0.084	0.014	1.01E-09	0.011	39.328	TRUE	3.97E-08
Allergic asthma	PPT2	cg15755475	rs9274500	A	T	-0.205	0.024	0.407	1.36E-17	0.086	0.015	2.15E-08	0.019	72.864	TRUE	7.01E-15
Allergic asthma	PPT2	cg17113856	rs3130071	T	A	0.282	0.033	0.148	7.15E-18	0.007	0.020	0.729	0.020	74.133	TRUE	2.27E-17
Allergic asthma	PPT2	cg17229678	rs114004994	C	G	-0.414	0.061	0.036	1.30E-11	0.055	0.037	0.140	0.012	45.793	TRUE	6.58E-11
Allergic asthma	PPT2	cg17229678	rs115884658	A	G	0.698	0.091	0.021	2.40E-14	0.141	0.036	7.70E-05	0.015	58.145	TRUE	1.41E-12
Allergic asthma	PPT2	cg17229678	rs116416438	A	G	0.497	0.078	0.021	1.46E-10	0.002	0.026	0.935	0.011	41.057	TRUE	2.29E-10
Allergic asthma	PPT2	cg17229678	rs12660769	G	C	0.280	0.044	0.074	1.69E-10	-0.115	0.017	4.68E-12	0.011	40.778	TRUE	3.59E-08
Allergic asthma	PPT2	cg17229678	rs2243873	C	A	-0.166	0.024	0.459	3.10E-12	-0.040	0.013	0.003	0.013	48.599	TRUE	5.53E-11
Allergic asthma	PPT2	cg17229678	rs23544	T	C	0.137	0.024	0.410	1.34E-08	-0.057	0.014	3.56E-05	0.009	32.249	TRUE	2.74E-07
Allergic asthma	PPT2	cg17229678	rs2844470	T	A	0.262	0.048	0.071	4.96E-08	0.002	0.026	0.935	0.008	29.717	TRUE	6.84E-08
Allergic asthma	PPT2	cg17229678	rs3130284	C	T	-0.331	0.027	0.236	1.06E-33	0.094	0.019	3.58E-07	0.038	146.320	TRUE	9.41E-30
Allergic asthma	PPT2	cg17229678	rs6457646	A	G	0.186	0.023	0.447	1.96E-15	-0.070	0.013	1.91E-07	0.017	63.068	TRUE	4.30E-13
Allergic asthma	PPT2	cg17229678	rs6914412	C	T	-0.217	0.040	0.094	4.65E-08	0.043	0.034	0.207	0.008	29.841	TRUE	1.39E-07
Allergic asthma	PPT2	cg17229678	rs707974	G	A	0.216	0.038	0.100	1.26E-08	0.015	0.026	0.566	0.009	32.378	TRUE	2.50E-08
Allergic asthma	PPT2	cg17229678	rs9267817	A	G	0.799	0.027	0.212	3.47E-186	0.006	0.014	0.696	0.186	846.420	TRUE	1.55E-170
Allergic asthma	PPT2	cg17229678	rs9273501	A	T	0.208	0.024	0.352	5.43E-18	0.066	0.014	1.82E-06	0.020	74.676	TRUE	1.39E-15
Allergic asthma	PPT2	cg17329164	rs3130284	C	T	-0.279	0.027	0.236	2.02E-24	0.094	0.019	3.58E-07	0.027	103.946	TRUE	2.72E-21
Allergic asthma	PPT2	cg17329164	rs9267817	A	G	0.463	0.029	0.212	4.63E-59	0.006	0.014	0.696	0.066	262.469	TRUE	1.32E-56
Allergic asthma	PPT2	cg17384105	rs34451818	G	C	0.533	0.048	0.048	4.13E-28	0.010	0.037	0.794	0.032	120.780	TRUE	2.71E-27
Allergic asthma	PPT2	cg18049167	rs3130284	C	T	-0.263	0.027	0.236	9.21E-22	0.094	0.019	3.58E-07	0.024	91.829	TRUE	7.15E-19
Allergic asthma	PPT2	cg18049167	rs9267817	A	G	0.454	0.029	0.212	6.51E-57	0.006	0.014	0.696	0.064	252.619	TRUE	1.37E-54
Allergic asthma	PPT2	cg19048176	rs9267817	A	G	-0.197	0.028	0.212	4.50E-12	0.006	0.014	0.696	0.013	47.868	TRUE	9.89E-12
Allergic asthma	PPT2	cg20328456	rs3130071	T	A	0.189	0.033	0.148	7.86E-09	0.007	0.020	0.729	0.009	33.291	TRUE	1.36E-08
Allergic asthma	PPT2	cg20328456	rs3130348	A	C	-0.212	0.027	0.237	1.15E-14	0.092	0.019	6.15E-07	0.016	59.582	TRUE	1.75E-12
Allergic asthma	PPT2	cg20328456	rs9267817	A	G	0.167	0.029	0.212	9.53E-09	0.006	0.014	0.696	0.009	32.918	TRUE	1.69E-08
Allergic asthma	PPT2	cg21241317	rs3130283	A	C	-0.351	0.031	0.161	3.38E-29	0.050	0.020	0.013	0.033	125.746	TRUE	4.43E-27
Allergic asthma	PPT2	cg23359665	rs3130283	A	C	0.272	0.032	0.161	1.21E-17	0.050	0.020	0.013	0.019	73.105	TRUE	3.17E-16
Allergic asthma	PPT2	cg23470939	rs138039007	C	T	0.553	0.087	0.022	1.62E-10	0.062	0.029	0.034	0.011	40.857	TRUE	1.18E-09
Allergic asthma	PPT2	cg23470939	rs3130348	A	C	-0.257	0.027	0.237	6.66E-21	0.092	0.019	6.15E-07	0.023	87.917	TRUE	3.88E-18
Allergic asthma	PPT2	cg23470939	rs3213490	T	C	0.163	0.023	0.447	3.56E-12	-0.070	0.013	1.90E-07	0.013	48.325	TRUE	3.61E-10
Allergic asthma	PPT2	cg23470939	rs35353422	A	C	0.254	0.032	0.175	1.69E-15	0.031	0.022	0.150	0.017	63.359	TRUE	1.26E-14
Allergic asthma	PPT2	cg23470939	rs707930	T	C	0.196	0.024	0.464	2.20E-16	0.030	0.014	0.028	0.018	67.381	TRUE	3.68E-15
Allergic asthma	PPT2	cg23470939	rs9267817	A	G	0.614	0.028	0.212	9.17E-106	0.006	0.014	0.696	0.114	476.833	TRUE	1.11E-99
Allergic asthma	PPT2	cg23660356	rs1269839	T	G	0.359	0.049	0.055	3.92E-13	0.260	0.094	0.006	0.014	52.652	TRUE	6.92E-12
Allergic asthma	PPT2	cg24009529	rs11759423	T	C	-0.271	0.044	0.068	1.04E-09	0.069	0.036	0.053	0.010	37.231	TRUE	5.93E-09
Allergic asthma	PPT2	cg24009529	rs1266071	T	C	-0.266	0.038	0.098	2.72E-12	0.015	0.026	0.553	0.013	48.854	TRUE	7.18E-12
Allergic asthma	PPT2	cg24009529	rs1419881	A	G	0.274	0.023	0.488	5.28E-32	0.053	0.014	8.93E-05	0.036	138.566	TRUE	7.05E-29
Allergic asthma	PPT2	cg24009529	rs144027808	G	A	0.533	0.059	0.040	1.83E-19	-0.005	0.062	0.938	0.022	81.373	TRUE	4.91E-19
Allergic asthma	PPT2	cg24009529	rs171329	A	G	-0.157	0.024	0.497	2.49E-11	-0.048	0.014	7.25E-04	0.012	44.516	TRUE	5.27E-10
Allergic asthma	PPT2	cg24009529	rs3130348	A	C	0.943	0.023	0.237	<1E-200	0.092	0.019	6.15E-07	0.310	1660.227	TRUE	6.99E-305

Allergic asthma	PPT2	cg24009529	rs408359	A	G	-0.286	0.048	0.066	2.74E-09	-0.004	0.031	0.905	0.009	35.339	TRUE	4.14E-09
Allergic asthma	PPT2	cg24009529	rs4959024	T	C	-0.288	0.024	0.374	3.63E-32	0.029	0.015	0.050	0.036	139.310	TRUE	3.56E-30
Allergic asthma	PPT2	cg24009529	rs56263516	G	T	-0.227	0.040	0.096	1.39E-08	-0.028	0.018	0.134	0.009	32.190	TRUE	5.11E-08
Allergic asthma	PPT2	cg24009529	rs62396663	A	G	0.667	0.094	0.014	1.00E-12	0.699	0.369	0.058	0.014	50.808	TRUE	8.12E-12
Allergic asthma	PPT2	cg24009529	rs6457595	A	T	0.453	0.028	0.206	1.78E-57	0.028	0.015	0.055	0.065	255.206	TRUE	6.78E-54
Allergic asthma	PPT2	cg24009529	rs6457598	T	C	-0.225	0.026	0.291	9.39E-18	0.009	0.017	0.599	0.020	73.598	TRUE	3.54E-17
Allergic asthma	PPT2	cg24009529	rs71543427	A	C	0.691	0.078	0.024	5.58E-19	0.014	0.038	0.710	0.021	79.167	TRUE	1.98E-18
Allergic asthma	PPT2	cg24009529	rs77488547	C	T	0.680	0.095	0.017	6.45E-13	-0.008	0.104	0.937	0.014	51.676	TRUE	1.15E-12
Allergic asthma	PPT2	cg24009529	rs9265494	C	T	0.225	0.025	0.336	9.95E-19	-0.007	0.014	0.582	0.021	78.027	TRUE	4.17E-18
Allergic asthma	PPT2	cg24009529	rs9266216	C	T	0.323	0.024	0.408	1.14E-41	0.041	0.015	0.006	0.047	182.776	TRUE	1.40E-38
Allergic asthma	PPT2	cg24009529	rs9267817	A	G	-0.301	0.029	0.212	1.72E-25	0.006	0.014	0.696	0.029	108.828	TRUE	1.06E-24
Allergic asthma	PPT2	cg24009529	rs9469089	C	G	-0.225	0.033	0.144	1.53E-11	-0.120	0.016	1.56E-13	0.012	45.475	TRUE	6.34E-09
Allergic asthma	PPT2	cg24509300	rs3130283	A	C	-0.426	0.032	0.161	2.46E-41	0.050	0.020	0.013	0.047	181.252	TRUE	1.92E-38
Allergic asthma	PPT2	cg25426302	rs3130283	A	C	0.353	0.032	0.161	1.18E-28	0.050	0.020	0.013	0.032	123.264	TRUE	1.43E-26
Allergic asthma	PPT2	cg25426302	rs9267817	A	G	-0.190	0.029	0.212	5.73E-11	0.006	0.014	0.696	0.011	42.887	TRUE	1.17E-10
Allergic asthma	PPT2	cg25426302	rs9267857	G	A	-0.155	0.024	0.417	5.61E-11	-0.013	0.014	0.386	0.011	42.930	TRUE	1.66E-10
Allergic asthma	PPT2	cg26169408	rs2243873	C	A	0.163	0.023	0.459	4.18E-12	-0.040	0.013	0.003	0.013	48.014	TRUE	7.29E-11
Allergic asthma	PPT2	cg26169408	rs3134947	T	C	0.340	0.027	0.237	1.35E-36	0.092	0.019	6.52E-07	0.041	159.558	TRUE	1.83E-32
Allergic asthma	PPT2	cg27070869	rs3130283	A	C	-0.221	0.031	0.161	2.21E-12	0.050	0.020	0.013	0.013	49.257	TRUE	2.77E-11
Allergic asthma	PPT2	cg27134827	rs114004994	C	G	-0.377	0.061	0.036	7.63E-10	0.055	0.037	0.140	0.010	37.833	TRUE	3.19E-09
Allergic asthma	PPT2	cg27134827	rs115884658	A	G	0.629	0.092	0.021	6.03E-12	0.141	0.036	7.70E-05	0.013	47.295	TRUE	2.22E-10
Allergic asthma	PPT2	cg27134827	rs12660769	G	C	0.250	0.044	0.074	1.18E-08	-0.115	0.017	4.68E-12	0.009	32.496	TRUE	1.35E-06
Allergic asthma	PPT2	cg27134827	rs2243873	C	A	-0.159	0.024	0.459	3.00E-11	-0.040	0.013	0.003	0.012	44.153	TRUE	4.55E-10
Allergic asthma	PPT2	cg27134827	rs3130284	C	T	-0.299	0.027	0.236	9.69E-28	0.094	0.019	3.58E-07	0.031	119.090	TRUE	2.57E-24
Allergic asthma	PPT2	cg27134827	rs6457646	A	G	0.150	0.023	0.447	1.63E-10	-0.070	0.013	1.91E-07	0.011	40.845	TRUE	1.08E-08
Allergic asthma	PPT2	cg27134827	rs6914412	C	T	-0.223	0.040	0.094	1.87E-08	0.043	0.034	0.207	0.008	31.611	TRUE	5.81E-08
Allergic asthma	PPT2	cg27134827	rs9267817	A	G	0.735	0.028	0.212	9.15E-155	0.006	0.014	0.696	0.160	701.985	TRUE	2.50E-143
Allergic asthma	PPT2	cg27134827	rs9273501	A	T	0.180	0.024	0.352	8.19E-14	0.066	0.014	1.82E-06	0.015	55.730	TRUE	8.60E-12
Allergic asthma	PPT2	cg27631107	rs9469089	C	G	-0.296	0.033	0.144	1.81E-19	-0.120	0.016	1.56E-13	0.022	81.398	TRUE	8.22E-16
Allergic asthma	PRKAG2	cg00157109	rs35488759	T	C	-0.315	0.044	0.074	7.18E-13	-0.032	0.028	0.263	0.014	51.466	TRUE	3.09E-12
Allergic asthma	PRKAG2	cg00157109	rs4265106	A	G	-0.224	0.027	0.257	7.90E-17	0.010	0.015	0.515	0.018	69.397	TRUE	3.13E-16
Allergic asthma	PRKAG2	cg00157109	rs7795096	C	T	0.245	0.023	0.481	8.17E-26	0.002	0.013	0.856	0.029	110.300	TRUE	3.99E-25
Allergic asthma	PRKAG2	cg00491428	rs11771304	A	G	-0.216	0.034	0.140	3.48E-10	0.002	0.016	0.922	0.011	39.366	TRUE	5.41E-10
Allergic asthma	PRKAG2	cg00491428	rs35148810	T	C	-0.284	0.031	0.190	1.97E-20	0.009	0.019	0.643	0.023	85.773	TRUE	8.64E-20
Allergic asthma	PRKAG2	cg00491428	rs3813852	C	T	-1.088	0.027	0.175	<1E-200	0.023	0.017	0.168	0.309	1657.439	TRUE	<1E-200
Allergic asthma	PRKAG2	cg00491428	rs6953067	G	C	0.183	0.029	0.212	1.78E-10	-0.013	0.016	0.414	0.011	40.677	TRUE	4.85E-10
Allergic asthma	PRKAG2	cg00491428	rs9648727	T	C	0.300	0.024	0.349	8.40E-35	-0.027	0.014	0.051	0.039	151.358	TRUE	1.16E-32
Allergic asthma	PRKAG2	cg01005180	rs1971030	T	C	0.173	0.024	0.413	4.08E-13	-0.026	0.014	0.063	0.014	52.574	TRUE	3.36E-12
Allergic asthma	PRKAG2	cg01005180	rs2727553	G	A	0.387	0.023	0.490	4.21E-64	-0.030	0.014	0.030	0.072	285.587	TRUE	8.06E-60
Allergic asthma	PRKAG2	cg01005180	rs73158145	G	C	-0.218	0.036	0.124	1.92E-09	0.028	0.019	0.146	0.010	36.034	TRUE	7.56E-09
Allergic asthma	PRKAG2	cg01423695	rs140166603	A	G	0.195	0.028	0.215	6.79E-12	0.025	0.019	0.175	0.013	47.063	TRUE	3.22E-11
Allergic asthma	PRKAG2	cg01423695	rs9648724	A	G	-0.251	0.027	0.243	1.15E-20	0.012	0.015	0.429	0.023	86.834	TRUE	7.36E-20

Allergic asthma	PRKAG2	cg01588379	rs13239239	C	T	0.185	0.025	0.349	7.87E-14	0.013	0.015	0.400	0.015	55.808	TRUE	2.91E-13
Allergic asthma	PRKAG2	cg01588379	rs56308233	A	C	-0.395	0.072	0.027	4.65E-08	-0.012	0.039	0.762	0.008	29.841	TRUE	7.43E-08
Allergic asthma	PRKAG2	cg01588379	rs6464166	C	T	-0.313	0.030	0.192	1.06E-25	-0.009	0.022	0.685	0.029	109.783	TRUE	6.77E-25
Allergic asthma	PRKAG2	cg01588379	rs76351165	A	C	-0.732	0.068	0.052	2.64E-27	-0.012	0.030	0.697	0.031	117.103	TRUE	1.90E-26
Allergic asthma	PRKAG2	cg03323793	rs10260657	A	G	0.154	0.025	0.319	1.00E-09	0.011	0.015	0.464	0.010	37.301	TRUE	2.42E-09
Allergic asthma	PRKAG2	cg03323793	rs11772588	A	C	-0.435	0.032	0.158	5.18E-43	-0.011	0.018	0.545	0.049	188.928	TRUE	2.64E-41
Allergic asthma	PRKAG2	cg03567939	rs11768925	G	A	-0.181	0.027	0.273	1.02E-11	0.034	0.018	0.055	0.012	46.263	TRUE	7.41E-11
Allergic asthma	PRKAG2	cg03567939	rs118118867	T	C	-0.201	0.028	0.219	8.21E-13	0.035	0.019	0.057	0.014	51.204	TRUE	6.73E-12
Allergic asthma	PRKAG2	cg03567939	rs34388354	G	T	0.171	0.030	0.202	1.26E-08	0.007	0.019	0.722	0.009	32.373	TRUE	2.16E-08
Allergic asthma	PRKAG2	cg03567939	rs6464172	A	G	0.547	0.031	0.432	1.97E-70	-0.006	0.014	0.664	0.078	314.622	TRUE	3.41E-67
Allergic asthma	PRKAG2	cg03567939	rs9648724	A	G	-0.276	0.027	0.243	1.23E-24	0.012	0.015	0.429	0.028	104.935	TRUE	1.13E-23
Allergic asthma	PRKAG2	cg04058799	rs11772588	A	C	-0.453	0.032	0.158	7.23E-47	-0.011	0.018	0.545	0.053	206.583	TRUE	5.91E-45
Allergic asthma	PRKAG2	cg04058799	rs1881628	T	G	-0.190	0.030	0.193	3.17E-10	-0.005	0.016	0.737	0.011	39.545	TRUE	5.92E-10
Allergic asthma	PRKAG2	cg04058799	rs7776530	C	A	0.143	0.025	0.325	1.18E-08	-0.015	0.014	0.305	0.009	32.509	TRUE	3.18E-08
Allergic asthma	PRKAG2	cg05807157	rs12703162	T	C	-0.131	0.023	0.431	1.69E-08	-0.021	0.014	0.128	0.009	31.807	TRUE	6.26E-08
Allergic asthma	PRKAG2	cg05807157	rs145499729	A	G	0.663	0.082	0.020	7.27E-16	-0.092	0.044	0.034	0.017	65.023	TRUE	1.07E-14
Allergic asthma	PRKAG2	cg05807157	rs9969184	G	C	0.271	0.039	0.098	6.63E-12	-0.005	0.020	0.798	0.013	47.109	TRUE	1.29E-11
Allergic asthma	PRKAG2	cg05953394	rs112119324	T	C	0.411	0.070	0.048	3.68E-09	-0.015	0.031	0.623	0.009	34.766	TRUE	7.18E-09
Allergic asthma	PRKAG2	cg07132038	rs10500202	T	C	0.677	0.067	0.053	9.03E-24	-0.014	0.030	0.651	0.027	100.982	TRUE	5.15E-23
Allergic asthma	PRKAG2	cg07132038	rs1881643	C	A	0.166	0.024	0.482	2.98E-12	0.014	0.013	0.302	0.013	48.678	TRUE	1.12E-11
Allergic asthma	PRKAG2	cg07132038	rs9690705	G	A	-0.130	0.024	0.435	3.42E-08	-0.008	0.014	0.540	0.008	30.439	TRUE	6.76E-08
Allergic asthma	PRKAG2	cg07161146	rs145499729	A	G	-0.674	0.082	0.020	1.39E-16	-0.092	0.044	0.034	0.018	68.280	TRUE	2.24E-15
Allergic asthma	PRKAG2	cg07804434	rs140166603	A	G	0.156	0.028	0.215	3.81E-08	0.025	0.019	0.175	0.008	30.227	TRUE	1.22E-07
Allergic asthma	PRKAG2	cg07804434	rs1969558	A	C	0.238	0.034	0.138	2.24E-12	0.009	0.020	0.637	0.013	49.237	TRUE	5.37E-12
Allergic asthma	PRKAG2	cg07804434	rs4726102	G	A	0.293	0.037	0.247	5.40E-15	-0.013	0.016	0.401	0.016	61.076	TRUE	2.20E-14
Allergic asthma	PRKAG2	cg07804434	rs56922253	T	C	0.324	0.040	0.096	3.33E-16	-0.010	0.020	0.595	0.018	66.560	TRUE	1.12E-15
Allergic asthma	PRKAG2	cg07804434	rs62478250	A	G	-0.813	0.021	0.327	<1E-200	-0.023	0.014	0.097	0.286	1484.577	TRUE	7.83E-282
Allergic asthma	PRKAG2	cg07804434	rs6464182	T	C	-0.286	0.027	0.264	6.52E-27	0.010	0.015	0.511	0.030	115.310	TRUE	6.37E-26
Allergic asthma	PRKAG2	cg07804434	rs9648727	T	C	-0.461	0.024	0.349	3.76E-82	-0.027	0.014	0.051	0.091	368.408	TRUE	1.37E-76
Allergic asthma	PRKAG2	cg08265392	rs2536059	A	G	-0.218	0.023	0.490	7.55E-21	0.004	0.014	0.775	0.023	87.670	TRUE	2.81E-20
Allergic asthma	PRKAG2	cg08930413	rs10276297	C	T	0.212	0.025	0.322	2.72E-17	0.011	0.015	0.464	0.019	71.500	TRUE	1.22E-16
Allergic asthma	PRKAG2	cg08930413	rs11971243	T	C	-0.707	0.031	0.160	4.06E-117	-0.009	0.019	0.627	0.125	528.989	TRUE	8.00E-110
Allergic asthma	PRKAG2	cg08930413	rs1881628	T	G	-0.259	0.030	0.193	1.01E-17	-0.005	0.016	0.737	0.019	73.460	TRUE	3.13E-17
Allergic asthma	PRKAG2	cg08930413	rs6950343	T	C	0.290	0.050	0.057	6.89E-09	-0.019	0.024	0.431	0.009	33.548	TRUE	1.62E-08
Allergic asthma	PRKAG2	cg08930413	rs80230353	A	G	-0.513	0.082	0.020	4.71E-10	-0.092	0.044	0.035	0.010	38.772	TRUE	3.19E-09
Allergic asthma	PRKAG2	cg09397579	rs4631369	G	A	-0.208	0.032	0.384	1.37E-10	-0.014	0.014	0.323	0.011	41.191	TRUE	4.29E-10
Allergic asthma	PRKAG2	cg09397579	rs77307127	T	C	-0.785	0.101	0.024	1.03E-14	0.064	0.071	0.367	0.016	59.811	TRUE	4.32E-14
Allergic asthma	PRKAG2	cg09403494	rs7791936	A	C	0.175	0.025	0.347	8.41E-13	0.022	0.014	0.105	0.014	51.155	TRUE	5.48E-12
Allergic asthma	PRKAG2	cg09449988	rs1029947	C	T	-0.478	0.037	0.110	4.91E-38	0.003	0.020	0.865	0.043	166.148	TRUE	7.31E-37
Allergic asthma	PRKAG2	cg09449988	rs11771194	A	G	0.211	0.025	0.306	4.29E-17	0.031	0.014	0.026	0.019	70.602	TRUE	8.08E-16
Allergic asthma	PRKAG2	cg09449988	rs17134624	A	G	-0.481	0.070	0.032	4.50E-12	0.014	0.084	0.864	0.013	47.866	TRUE	8.26E-12
Allergic asthma	PRKAG2	cg09449988	rs1860735	T	C	-0.226	0.038	0.110	1.87E-09	-0.006	0.020	0.771	0.010	36.082	TRUE	3.23E-09

Allergic asthma	PRKAG2	cg09449988	rs2538044	T	A	0.263	0.027	0.262	6.86E-23	-0.019	0.016	0.245	0.026	96.970	TRUE	8.24E-22
Allergic asthma	PRKAG2	cg09449988	rs372442299	A	C	-0.463	0.075	0.024	7.80E-10	-0.098	0.040	0.015	0.010	37.788	TRUE	6.44E-09
Allergic asthma	PRKAG2	cg09449988	rs4726061	C	T	0.308	0.034	0.144	3.28E-19	-0.037	0.023	0.107	0.021	80.219	TRUE	4.35E-18
Allergic asthma	PRKAG2	cg09449988	rs4726070	G	A	-0.696	0.023	0.392	2.74E-204	0.006	0.014	0.642	0.201	929.645	TRUE	7.75E-186
Allergic asthma	PRKAG2	cg09449988	rs4726084	A	G	-0.310	0.029	0.205	9.67E-27	0.010	0.017	0.563	0.030	114.530	TRUE	8.41E-26
Allergic asthma	PRKAG2	cg09449988	rs77001183	G	T	-0.609	0.095	0.014	1.23E-10	-0.031	0.047	0.505	0.011	41.402	TRUE	3.02E-10
Allergic asthma	PRKAG2	cg09969528	rs4015360	G	A	-0.150	0.027	0.244	3.17E-08	0.022	0.018	0.232	0.008	30.582	TRUE	9.21E-08
Allergic asthma	PRKAG2	cg10363569	rs11976285	G	A	-0.308	0.024	0.420	4.56E-39	0.017	0.014	0.205	0.044	170.871	TRUE	4.03E-37
Allergic asthma	PRKAG2	cg10370262	rs869033	C	T	-0.178	0.032	0.144	3.92E-08	0.028	0.021	0.183	0.008	30.172	TRUE	1.23E-07
Allergic asthma	PRKAG2	cg10902667	rs13239239	C	T	0.151	0.025	0.349	7.92E-10	0.013	0.015	0.400	0.010	37.759	TRUE	2.09E-09
Allergic asthma	PRKAG2	cg11718965	rs75674230	A	T	-0.860	0.099	0.011	3.98E-18	0.166	0.119	0.163	0.020	75.291	TRUE	3.75E-17
Allergic asthma	PRKAG2	cg12762399	rs73158122	A	C	-0.242	0.037	0.108	4.76E-11	0.011	0.021	0.612	0.012	43.249	TRUE	1.07E-10
Allergic asthma	PRKAG2	cg12835599	rs12533239	T	C	-0.163	0.023	0.434	1.77E-12	-0.022	0.014	0.098	0.013	49.697	TRUE	1.14E-11
Allergic asthma	PRKAG2	cg12835599	rs6978617	T	C	0.284	0.040	0.093	8.44E-13	-0.005	0.020	0.792	0.014	51.150	TRUE	1.75E-12
Allergic asthma	PRKAG2	cg12835599	rs80230353	A	G	0.672	0.081	0.020	8.57E-17	-0.092	0.044	0.035	0.018	69.236	TRUE	1.40E-15
Allergic asthma	PRKAG2	cg12978800	rs10278273	C	T	0.290	0.037	0.114	5.74E-15	0.004	0.017	0.820	0.016	60.955	TRUE	1.32E-14
Allergic asthma	PRKAG2	cg12978800	rs1104897	T	C	-0.278	0.032	0.166	4.47E-18	-0.001	0.021	0.974	0.020	75.059	TRUE	1.04E-17
Allergic asthma	PRKAG2	cg12978800	rs6464164	T	C	0.518	0.023	0.414	1.19E-110	0.006	0.014	0.642	0.119	499.286	TRUE	5.05E-104
Allergic asthma	PRKAG2	cg13686795	rs12532554	T	C	-0.225	0.041	0.094	2.94E-08	-0.009	0.024	0.710	0.008	30.730	TRUE	4.98E-08
Allergic asthma	PRKAG2	cg15453708	rs11766272	A	G	-0.336	0.059	0.113	1.17E-08	-0.073	0.023	0.002	0.009	32.512	TRUE	1.29E-07
Allergic asthma	PRKAG2	cg15453708	rs4442045	T	C	0.448	0.030	0.187	1.65E-50	0.009	0.019	0.653	0.057	223.267	TRUE	1.64E-48
Allergic asthma	PRKAG2	cg16391727	rs2429833	T	C	-0.309	0.030	0.182	2.73E-24	-0.012	0.022	0.579	0.027	103.347	TRUE	1.84E-23
Allergic asthma	PRKAG2	cg16986150	rs12532554	T	C	0.231	0.041	0.094	1.49E-08	-0.009	0.024	0.710	0.009	32.043	TRUE	2.58E-08
Allergic asthma	PRKAG2	cg16986150	rs6464179	A	G	-0.335	0.041	0.081	3.14E-16	0.006	0.027	0.825	0.018	66.678	TRUE	7.83E-16
Allergic asthma	PRKAG2	cg16986150	rs6950348	C	T	-0.145	0.025	0.320	7.42E-09	0.005	0.014	0.698	0.009	33.403	TRUE	1.32E-08
Allergic asthma	PRKAG2	cg16986150	rs7789674	A	G	0.509	0.023	0.436	2.77E-113	-0.003	0.013	0.824	0.121	511.377	TRUE	1.13E-106
Allergic asthma	PRKAG2	cg16994041	rs4442045	T	C	0.987	0.026	0.187	4.92E-304	0.009	0.019	0.653	0.274	1397.543	TRUE	3.70E-269
Allergic asthma	PRKAG2	cg16994041	rs58825093	T	C	-0.379	0.027	0.226	2.43E-43	0.025	0.019	0.181	0.049	190.433	TRUE	4.18E-41
Allergic asthma	PRKAG2	cg16994041	rs6975104	C	G	-0.177	0.025	0.366	1.05E-12	0.022	0.016	0.160	0.014	50.728	TRUE	5.63E-12
Allergic asthma	PRKAG2	cg16994041	rs9648724	A	G	-0.192	0.027	0.243	1.16E-12	0.012	0.015	0.429	0.013	50.530	TRUE	3.71E-12
Allergic asthma	PRKAG2	cg17008978	rs10277544	C	T	0.168	0.024	0.449	8.36E-13	0.016	0.014	0.243	0.014	51.168	TRUE	3.72E-12
Allergic asthma	PRKAG2	cg17192599	rs13224758	A	G	0.257	0.043	0.158	2.35E-09	-0.005	0.015	0.766	0.010	35.643	TRUE	4.04E-09
Allergic asthma	PRKAG2	cg17192599	rs58825093	T	C	0.223	0.028	0.226	9.42E-16	0.025	0.019	0.181	0.017	64.514	TRUE	6.54E-15
Allergic asthma	PRKAG2	cg17192599	rs9648724	A	G	-0.354	0.027	0.243	8.89E-40	0.012	0.015	0.429	0.045	174.119	TRUE	4.13E-38
Allergic asthma	PRKAG2	cg17359198	rs12669420	T	C	0.380	0.058	0.082	7.83E-11	0.075	0.027	0.006	0.011	42.278	TRUE	9.45E-10
Allergic asthma	PRKAG2	cg17359198	rs58943536	T	C	-0.256	0.028	0.220	6.68E-20	0.035	0.019	0.057	0.022	83.362	TRUE	1.29E-18
Allergic asthma	PRKAG2	cg17359198	rs7789699	C	T	-0.522	0.031	0.496	2.81E-63	-0.032	0.014	0.019	0.071	281.807	TRUE	6.56E-59
Allergic asthma	PRKAG2	cg17359198	rs9648724	A	G	0.175	0.027	0.243	1.10E-10	0.012	0.015	0.429	0.011	41.620	TRUE	2.99E-10
Allergic asthma	PRKAG2	cg17611936	rs10235949	A	G	-0.906	0.079	0.047	2.76E-30	-0.073	0.049	0.137	0.034	130.713	TRUE	1.13E-28
Allergic asthma	PRKAG2	cg17611936	rs10265221	C	T	0.369	0.026	0.282	3.92E-46	0.024	0.016	0.142	0.052	203.220	TRUE	1.22E-43
Allergic asthma	PRKAG2	cg17611936	rs112079539	A	T	-0.815	0.116	0.018	2.51E-12	-0.004	0.049	0.929	0.013	49.011	TRUE	4.37E-12
Allergic asthma	PRKAG2	cg17611936	rs2256079	A	G	0.459	0.023	0.410	1.17E-86	0.023	0.014	0.096	0.095	389.094	TRUE	5.54E-81

Allergic asthma	PRKAG2	cg17611936	rs2727550	G	A	-0.181	0.025	0.329	3.38E-13	0.016	0.014	0.254	0.014	52.946	TRUE	1.53E-12
Allergic asthma	PRKAG2	cg17611936	rs2727562	G	A	-1.196	0.018	0.261	<1E-200	-0.038	0.016	0.016	0.541	4353.828	TRUE	<1E-200
Allergic asthma	PRKAG2	cg17611936	rs4725427	C	T	-0.720	0.104	0.026	5.06E-12	-0.035	0.048	0.456	0.013	47.638	TRUE	1.48E-11
Allergic asthma	PRKAG2	cg17611936	rs6965771	T	C	0.202	0.027	0.260	4.40E-14	-0.049	0.016	0.002	0.015	56.950	TRUE	1.21E-12
Allergic asthma	PRKAG2	cg17611936	rs7788160	G	T	0.250	0.032	0.379	5.11E-15	-0.024	0.014	0.077	0.016	61.186	TRUE	4.87E-14
Allergic asthma	PRKAG2	cg17611936	rs7792110	C	T	-0.223	0.037	0.246	1.22E-09	-0.007	0.015	0.645	0.010	36.923	TRUE	2.40E-09
Allergic asthma	PRKAG2	cg17611936	rs79215320	A	G	-0.366	0.038	0.240	1.95E-22	0.026	0.020	0.199	0.025	94.899	TRUE	2.57E-21
Allergic asthma	PRKAG2	cg17611936	rs9648723	C	A	-0.238	0.042	0.160	2.01E-08	-0.001	0.019	0.978	0.008	31.468	TRUE	2.72E-08
Allergic asthma	PRKAG2	cg18404559	rs73478069	C	A	0.333	0.034	0.142	1.37E-22	-0.038	0.023	0.100	0.025	95.593	TRUE	2.78E-21
Allergic asthma	PRKAG2	cg18439339	rs7810022	C	A	0.237	0.025	0.300	5.62E-21	-0.041	0.015	0.006	0.023	88.255	TRUE	3.08E-19
Allergic asthma	PRKAG2	cg18633230	rs35346765	T	C	-0.221	0.040	0.194	3.86E-08	-0.007	0.018	0.680	0.008	30.200	TRUE	6.67E-08
Allergic asthma	PRKAG2	cg18649198	rs9632641	C	A	0.302	0.040	0.205	2.74E-14	0.020	0.015	0.186	0.015	57.883	TRUE	1.61E-13
Allergic asthma	PRKAG2	cg19412964	rs11771194	A	G	0.218	0.025	0.306	3.21E-18	0.031	0.014	0.026	0.020	75.713	TRUE	7.01E-17
Allergic asthma	PRKAG2	cg19412964	rs1860735	T	C	-0.248	0.038	0.110	4.00E-11	-0.006	0.020	0.771	0.012	43.591	TRUE	7.63E-11
Allergic asthma	PRKAG2	cg19412964	rs2538044	T	A	0.216	0.027	0.262	7.21E-16	-0.019	0.016	0.245	0.017	65.040	TRUE	4.30E-15
Allergic asthma	PRKAG2	cg19412964	rs372442299	A	C	-0.457	0.075	0.024	1.27E-09	-0.098	0.040	0.015	0.010	36.840	TRUE	1.02E-08
Allergic asthma	PRKAG2	cg19412964	rs4726070	G	A	-0.704	0.023	0.392	2.81E-209	0.006	0.014	0.642	0.205	952.588	TRUE	4.73E-190
Allergic asthma	PRKAG2	cg19412964	rs4726084	A	G	-0.292	0.029	0.205	5.32E-24	0.010	0.017	0.563	0.027	102.029	TRUE	3.60E-23
Allergic asthma	PRKAG2	cg19412964	rs6963512	G	A	-0.492	0.040	0.094	3.90E-35	0.009	0.023	0.685	0.040	152.880	TRUE	6.12E-34
Allergic asthma	PRKAG2	cg19412964	rs7456798	C	A	0.189	0.023	0.498	5.80E-16	0.021	0.014	0.114	0.017	65.470	TRUE	5.18E-15
Allergic asthma	PRKAG2	cg19412964	rs77001183	G	T	-0.575	0.095	0.014	1.20E-09	-0.031	0.047	0.505	0.010	36.950	TRUE	2.74E-09
Allergic asthma	PRKAG2	cg19412964	rs9801653	A	C	0.364	0.034	0.145	1.69E-26	-0.037	0.023	0.106	0.030	113.420	TRUE	5.20E-25
Allergic asthma	PRKAG2	cg20269607	rs7789699	C	T	-0.182	0.032	0.496	8.79E-09	-0.032	0.014	0.019	0.009	33.075	TRUE	5.86E-08
Allergic asthma	PRKAG2	cg20972917	rs74882587	T	C	0.193	0.034	0.148	1.17E-08	-0.013	0.022	0.554	0.009	32.518	TRUE	2.36E-08
Allergic asthma	PRKAG2	cg21764708	rs11766272	A	G	-0.336	0.059	0.113	1.20E-08	-0.073	0.023	0.002	0.009	32.471	TRUE	1.31E-07
Allergic asthma	PRKAG2	cg21764708	rs4442045	T	C	0.493	0.030	0.187	4.94E-61	0.009	0.019	0.653	0.068	271.510	TRUE	2.08E-58
Allergic asthma	PRKAG2	cg22513396	rs2536091	A	C	-0.188	0.023	0.408	7.34E-16	0.033	0.014	0.016	0.017	65.005	TRUE	1.41E-14
Allergic asthma	PRKAG2	cg22615330	rs118118867	T	C	0.281	0.028	0.219	8.32E-24	0.035	0.019	0.057	0.027	101.143	TRUE	2.60E-22
Allergic asthma	PRKAG2	cg22615330	rs9648724	A	G	-0.387	0.027	0.243	1.24E-47	0.012	0.015	0.429	0.054	210.084	TRUE	1.53E-45
Allergic asthma	PRKAG2	cg23151649	rs10278273	C	T	-0.263	0.037	0.114	1.73E-12	0.004	0.017	0.820	0.013	49.737	TRUE	3.42E-12
Allergic asthma	PRKAG2	cg23151649	rs112113536	C	G	0.300	0.041	0.093	1.30E-13	0.060	0.021	0.005	0.015	54.819	TRUE	2.51E-12
Allergic asthma	PRKAG2	cg23151649	rs11983465	G	C	0.399	0.025	0.323	9.50E-58	0.041	0.015	0.007	0.065	256.453	TRUE	1.65E-53
Allergic asthma	PRKAG2	cg23151649	rs12669379	C	T	0.492	0.067	0.065	1.47E-13	-0.045	0.027	0.095	0.015	54.582	TRUE	1.09E-12
Allergic asthma	PRKAG2	cg23151649	rs2727552	C	T	0.977	0.023	0.465	<1E-200	0.009	0.014	0.529	0.321	1749.754	TRUE	<1E-200
Allergic asthma	PRKAG2	cg23151649	rs6978479	A	G	-0.503	0.091	0.033	3.39E-08	0.012	0.036	0.746	0.008	30.455	TRUE	5.54E-08
Allergic asthma	PRKAG2	cg23351327	rs76351165	A	C	-0.427	0.068	0.052	2.81E-10	-0.012	0.030	0.697	0.011	39.781	TRUE	5.48E-10
Allergic asthma	PRKAG2	cg26284782	rs10260657	A	G	-0.147	0.025	0.319	4.79E-09	0.011	0.015	0.464	0.009	34.254	TRUE	1.10E-08
Allergic asthma	PRKAG2	cg26284782	rs4726101	G	A	-0.294	0.023	0.497	7.02E-37	0.019	0.014	0.169	0.042	160.861	TRUE	5.53E-35
Allergic asthma	PRKAG2	cg26482626	rs2374307	T	G	0.159	0.024	0.466	1.34E-11	0.028	0.015	0.059	0.012	45.724	TRUE	9.41E-11
Allergic asthma	PRKAG2	cg26673980	rs4442045	T	C	0.552	0.030	0.187	5.44E-77	0.009	0.019	0.653	0.085	344.721	TRUE	2.88E-73
Allergic asthma	PRODH	cg03407228	rs117377762	A	G	-0.328	0.057	0.046	8.92E-09	0.015	0.039	0.703	0.009	33.045	TRUE	1.57E-08
Allergic asthma	PRODH	cg03407228	rs2041781	A	T	0.265	0.024	0.398	1.09E-28	-0.018	0.014	0.207	0.032	123.414	TRUE	2.78E-27

Allergic asthma	PRODH	cg03407228	rs2800987	A	G	0.152	0.027	0.256	1.40E-08	-0.004	0.015	0.803	0.009	32.173	TRUE	2.22E-08
Allergic asthma	PRODH	cg11438552	rs141373695	A	G	0.507	0.072	0.029	2.46E-12	-0.009	0.049	0.847	0.013	49.050	TRUE	4.67E-12
Allergic asthma	PRODH	cg11438552	rs17810548	T	C	0.209	0.034	0.136	1.04E-09	0.019	0.022	0.394	0.010	37.231	TRUE	2.73E-09
Allergic asthma	PRODH	cg11438552	rs2540638	G	A	-0.135	0.023	0.499	7.58E-09	0.004	0.014	0.761	0.009	33.362	TRUE	1.27E-08
Allergic asthma	PRODH	cg11438552	rs2540656	T	C	-0.399	0.037	0.112	5.22E-27	-0.008	0.020	0.701	0.030	115.752	TRUE	3.64E-26
Allergic asthma	PRODH	cg11438552	rs5993444	C	A	-0.474	0.024	0.318	2.25E-84	-0.025	0.016	0.122	0.093	378.613	TRUE	5.18E-79
Allergic asthma	PRODH	cg11438552	rs715535	A	G	-0.337	0.041	0.088	1.74E-16	0.019	0.021	0.373	0.018	67.845	TRUE	8.45E-16
Allergic asthma	PRODH	cg12512005	rs5747949	T	A	-0.137	0.024	0.409	1.03E-08	-0.015	0.014	0.292	0.009	32.774	TRUE	2.85E-08
Allergic asthma	PRODH	cg17283826	rs117377762	A	G	-0.359	0.057	0.046	2.78E-10	0.015	0.039	0.703	0.011	39.802	TRUE	5.39E-10
Allergic asthma	PRODH	cg17283826	rs2540638	G	A	-0.145	0.023	0.499	5.28E-10	0.004	0.014	0.761	0.010	38.550	TRUE	9.50E-10
Allergic asthma	PRRT1	cg00403498	rs3130283	A	C	-0.449	0.031	0.161	3.30E-46	0.050	0.020	0.013	0.052	203.564	TRUE	5.52E-43
Allergic asthma	PRRT1	cg00403498	rs3131627	A	G	-0.140	0.024	0.404	5.10E-09	0.005	0.014	0.697	0.009	34.134	TRUE	9.16E-09
Allergic asthma	PRRT1	cg00403498	rs707928	G	A	0.143	0.025	0.340	1.66E-08	-0.024	0.014	0.076	0.009	31.842	TRUE	7.26E-08
Allergic asthma	PRRT1	cg00403498	rs9263773	T	C	-0.132	0.024	0.365	4.47E-08	0.037	0.014	0.006	0.008	29.920	TRUE	3.41E-07
Allergic asthma	PRRT1	cg00403498	rs9264626	T	C	-0.165	0.025	0.364	2.25E-11	0.072	0.015	9.01E-07	0.012	44.712	TRUE	1.50E-09
Allergic asthma	PRRT1	cg00403498	rs9267857	G	A	0.149	0.024	0.417	2.44E-10	-0.013	0.014	0.386	0.011	40.053	TRUE	6.86E-10
Allergic asthma	PRRT1	cg02429905	rs114004994	C	G	0.426	0.061	0.036	2.41E-12	0.055	0.037	0.140	0.013	49.094	TRUE	1.32E-11
Allergic asthma	PRRT1	cg17161421	rs114004994	C	G	0.496	0.061	0.036	4.42E-16	0.055	0.037	0.140	0.018	66.003	TRUE	3.62E-15
Allergic asthma	PRRT1	cg17161421	rs9267817	A	G	-0.214	0.029	0.212	1.45E-13	0.006	0.014	0.696	0.015	54.612	TRUE	3.52E-13
Allergic asthma	PRRT1	cg17161421	rs9267860	A	G	0.171	0.031	0.184	3.84E-08	-0.019	0.019	0.311	0.008	30.211	TRUE	9.83E-08
Allergic asthma	PRRT1	cg20914572	rs114004994	C	G	0.469	0.061	0.036	1.82E-14	0.055	0.037	0.140	0.016	58.682	TRUE	1.26E-13
Allergic asthma	PRRT1	cg20914572	rs114258010	G	A	0.297	0.051	0.082	5.38E-09	-0.060	0.029	0.041	0.009	34.027	TRUE	3.01E-08
Allergic asthma	PRRT1	cg20914572	rs1265945	G	A	-0.306	0.024	0.373	6.94E-37	0.038	0.014	0.008	0.042	160.886	TRUE	3.55E-34
Allergic asthma	PRRT1	cg20914572	rs1269839	T	G	0.280	0.050	0.055	2.14E-08	0.260	0.094	0.006	0.008	31.348	TRUE	1.76E-07
Allergic asthma	PRRT1	cg20914572	rs146305655	A	G	0.427	0.067	0.038	1.48E-10	-0.064	0.031	0.042	0.011	41.038	TRUE	1.01E-09
Allergic asthma	PRRT1	cg20914572	rs2516469	G	C	-0.261	0.033	0.149	2.05E-15	-0.017	0.019	0.374	0.017	62.983	TRUE	9.06E-15
Allergic asthma	PRRT1	cg20914572	rs3134605	C	T	-0.159	0.028	0.223	1.61E-08	0.076	0.018	1.83E-05	0.009	31.903	TRUE	3.53E-07
Allergic asthma	PRRT1	cg20914572	rs522254	G	A	0.184	0.029	0.207	1.13E-10	0.061	0.017	4.66E-04	0.011	41.567	TRUE	2.30E-09
Allergic asthma	PRRT1	cg20914572	rs9469051	C	G	0.195	0.035	0.132	1.48E-08	-0.087	0.015	3.92E-09	0.009	32.057	TRUE	8.82E-07
Allergic asthma	PRRT1	cg21037008	rs114004994	C	G	0.515	0.061	0.036	2.61E-17	0.055	0.037	0.140	0.019	71.577	TRUE	2.45E-16
Allergic asthma	PRRT1	cg21037008	rs9469051	C	G	0.199	0.034	0.132	6.65E-09	-0.087	0.015	3.92E-09	0.009	33.617	TRUE	4.40E-07
Allergic asthma	PYCARD	cg00327577	rs4889639	A	G	-0.147	0.025	0.331	3.88E-09	0.030	0.014	0.029	0.009	34.664	TRUE	2.44E-08
Allergic asthma	PYCARD	cg07461837	rs112766425	G	A	0.375	0.050	0.055	5.07E-14	0.033	0.039	0.397	0.015	56.670	TRUE	1.91E-13
Allergic asthma	PYCARD	cg07461837	rs4889655	T	C	0.184	0.024	0.387	2.21E-14	0.000	0.014	0.992	0.016	58.305	TRUE	4.03E-14
Allergic asthma	PYCARD	cg07461837	rs8056505	C	T	0.541	0.024	0.321	2.35E-108	0.026	0.014	0.064	0.117	488.737	TRUE	2.03E-100
Allergic asthma	PYCARD	cg07461837	rs9989432	T	C	-0.232	0.033	0.148	1.30E-12	-0.024	0.020	0.230	0.013	50.296	TRUE	5.86E-12
Allergic asthma	RAF1	cg02420927	rs5746154	A	G	0.246	0.035	0.131	2.99E-12	0.011	0.020	0.594	0.013	48.668	TRUE	7.49E-12
Allergic asthma	RAF1	cg02420927	rs60943691	C	A	-0.258	0.023	0.402	2.13E-28	0.017	0.014	0.214	0.032	122.094	TRUE	5.11E-27
Allergic asthma	RAF1	cg09856107	rs4234512	T	G	0.296	0.027	0.236	2.50E-27	0.000	0.016	0.984	0.031	117.210	TRUE	1.13E-26
Allergic asthma	RAF1	cg09856107	rs6442325	A	C	-0.168	0.026	0.288	5.83E-11	0.012	0.015	0.428	0.011	42.854	TRUE	1.63E-10
Allergic asthma	RAF1	cg12173506	rs12714875	G	T	-0.149	0.027	0.254	2.96E-08	-0.015	0.015	0.324	0.008	30.715	TRUE	7.53E-08
Allergic asthma	RAF1	cg13703021	rs7617041	G	A	0.262	0.025	0.350	6.53E-26	-0.021	0.014	0.131	0.029	110.744	TRUE	1.65E-24

Allergic asthma	RAF1	cg23032965	rs112126248	A	G	0.650	0.048	0.064	7.59E-42	-0.028	0.034	0.410	0.047	183.589	TRUE	4.76E-40
Allergic asthma	RAF1	cg23032965	rs114464931	G	A	0.805	0.076	0.026	2.11E-26	-0.006	0.056	0.916	0.030	112.983	TRUE	9.85E-26
Allergic asthma	RAF1	cg23032965	rs115113943	A	G	0.708	0.109	0.020	7.20E-11	-0.055	0.030	0.064	0.011	42.440	TRUE	4.49E-10
Allergic asthma	RAF1	cg23032965	rs116542919	A	G	0.600	0.086	0.038	3.09E-12	-0.066	0.033	0.045	0.013	48.605	TRUE	2.56E-11
Allergic asthma	RAF1	cg23032965	rs11718656	C	T	-0.235	0.035	0.326	1.09E-11	-0.015	0.016	0.336	0.012	46.132	TRUE	3.70E-11
Allergic asthma	RAF1	cg23032965	rs12636458	T	C	-0.414	0.053	0.101	4.33E-15	0.009	0.018	0.626	0.016	61.512	TRUE	1.28E-14
Allergic asthma	RAF1	cg23032965	rs147785705	C	T	0.535	0.096	0.015	2.19E-08	0.016	0.053	0.756	0.008	31.299	TRUE	3.59E-08
Allergic asthma	RAF1	cg23032965	rs3817121	A	G	0.224	0.034	0.167	3.90E-11	0.007	0.020	0.729	0.012	43.641	TRUE	7.77E-11
Allergic asthma	RAF1	cg23032965	rs4135275	G	A	-0.175	0.029	0.207	2.82E-09	-0.017	0.019	0.372	0.009	35.284	TRUE	7.36E-09
Allergic asthma	RAF1	cg23032965	rs56268840	T	C	0.238	0.026	0.280	3.43E-20	-0.034	0.016	0.028	0.022	84.680	TRUE	9.47E-19
Allergic asthma	RAF1	cg23032965	rs62243663	A	C	-0.283	0.025	0.291	8.69E-29	0.012	0.015	0.421	0.032	123.871	TRUE	1.23E-27
Allergic asthma	RAF1	cg23032965	rs6795464	T	C	-0.212	0.024	0.357	3.64E-18	-0.010	0.015	0.478	0.020	75.469	TRUE	1.71E-17
Allergic asthma	RAF1	cg23032965	rs693201	A	G	-0.155	0.024	0.438	4.56E-11	0.016	0.014	0.235	0.012	43.334	TRUE	1.74E-10
Allergic asthma	RAF1	cg23032965	rs71187446	A	G	0.609	0.052	0.053	2.59E-32	0.021	0.027	0.434	0.036	139.975	TRUE	5.15E-31
Allergic asthma	RAF1	cg23032965	rs73027016	A	G	-0.154	0.026	0.265	5.81E-09	-0.030	0.017	0.073	0.009	33.879	TRUE	2.73E-08
Allergic asthma	RAF1	cg23032965	rs9833097	A	G	0.377	0.040	0.098	3.99E-21	0.029	0.023	0.203	0.023	88.930	TRUE	4.52E-20
Allergic asthma	RAF1	cg23032965	rs9849171	C	G	0.931	0.019	0.373	<1E-200	-0.030	0.014	0.034	0.387	2337.325	TRUE	<1E-200
Allergic asthma	RAF1	cg23032965	rs9863437	T	G	-0.408	0.027	0.247	3.67E-53	0.004	0.016	0.791	0.060	235.423	TRUE	3.72E-51
Allergic asthma	RAF1	cg23332193	rs2454456	A	G	-0.198	0.028	0.233	1.00E-12	0.002	0.016	0.906	0.014	50.817	TRUE	1.82E-12
Allergic asthma	RAF1	cg23332193	rs59821954	C	T	0.415	0.029	0.209	6.57E-47	-0.035	0.017	0.039	0.053	206.774	TRUE	6.15E-44
Allergic asthma	RAF1	cg26432171	rs1051208	A	G	-0.185	0.033	0.152	1.36E-08	0.011	0.019	0.571	0.009	32.222	TRUE	2.69E-08
Allergic asthma	RAF1	cg26432171	rs34741626	T	C	-0.216	0.033	0.152	6.78E-11	-0.003	0.020	0.882	0.011	42.558	TRUE	1.14E-10
Allergic asthma	RAF1	cg26432171	rs3925798	T	C	0.399	0.023	0.414	3.77E-68	0.020	0.014	0.136	0.076	304.157	TRUE	3.81E-64
Allergic asthma	RAF1	cg26432171	rs9814180	A	G	0.130	0.023	0.440	2.64E-08	0.034	0.014	0.012	0.008	30.936	TRUE	1.82E-07
Allergic asthma	RFFL	cg13672743	rs12450763	C	A	0.150	0.024	0.407	1.85E-10	0.032	0.016	0.037	0.011	40.593	TRUE	1.30E-09
Allergic asthma	RFFL	cg15690822	rs11869356	C	T	-0.166	0.023	0.451	1.71E-12	-0.009	0.014	0.498	0.013	49.766	TRUE	4.91E-12
Allergic asthma	RFFL	cg15690822	rs34991817	A	G	0.145	0.024	0.377	2.09E-09	-0.008	0.014	0.576	0.010	35.869	TRUE	4.35E-09
Allergic asthma	RFFL	cg15690822	rs62062384	T	C	0.667	0.033	0.134	1.95E-88	-0.031	0.021	0.142	0.097	397.265	TRUE	8.44E-83
Allergic asthma	RFFL	cg15690822	rs79069570	C	T	0.906	0.137	0.013	3.46E-11	0.000	0.084	0.999	0.012	43.876	TRUE	5.26E-11
Allergic asthma	RFFL	cg15690822	rs8066088	A	G	0.182	0.031	0.189	3.53E-09	0.024	0.016	0.148	0.009	34.847	TRUE	1.34E-08
Allergic asthma	RFFL	cg15690822	rs8182290	A	G	-0.140	0.023	0.443	1.78E-09	0.012	0.014	0.367	0.010	36.182	TRUE	4.76E-09
Allergic asthma	RFFL	cg15690822	rs9897818	G	A	-0.199	0.023	0.443	1.55E-17	0.009	0.014	0.525	0.019	72.602	TRUE	6.44E-17
Allergic asthma	RFFL	cg16662477	rs1088450	C	T	-0.226	0.023	0.467	4.13E-22	-0.020	0.014	0.150	0.025	93.417	TRUE	6.25E-21
Allergic asthma	RFFL	cg16662477	rs116910034	A	G	0.517	0.088	0.017	3.64E-09	-0.014	0.059	0.816	0.009	34.786	TRUE	5.92E-09
Allergic asthma	RFFL	cg16662477	rs2269857	G	C	0.636	0.040	0.099	1.25E-55	0.005	0.020	0.813	0.063	246.742	TRUE	1.66E-53
Allergic asthma	RFFL	cg16662477	rs7223004	G	A	0.199	0.026	0.289	3.31E-14	-0.010	0.015	0.517	0.015	57.512	TRUE	1.06E-13
Allergic asthma	RFFL	cg18302940	rs4795062	A	G	-0.148	0.027	0.243	3.53E-08	0.015	0.016	0.329	0.008	30.373	TRUE	8.87E-08
Allergic asthma	RFFL	cg18302940	rs62062384	T	C	-0.364	0.034	0.134	7.65E-27	-0.031	0.021	0.142	0.030	114.995	TRUE	2.04E-25
Allergic asthma	RPTOR	cg00143364	rs7218924	T	C	-0.155	0.024	0.429	7.82E-11	0.007	0.014	0.614	0.011	42.279	TRUE	1.73E-10
Allergic asthma	RPTOR	cg00143364	rs79155262	T	C	-0.367	0.041	0.090	3.48E-19	0.025	0.027	0.344	0.021	80.104	TRUE	2.29E-18
Allergic asthma	RPTOR	cg00463485	rs4969444	A	G	-0.305	0.031	0.184	2.05E-23	0.035	0.016	0.032	0.026	99.360	TRUE	8.08E-22
Allergic asthma	RPTOR	cg00523683	rs117209908	A	G	0.318	0.050	0.059	2.35E-10	-0.007	0.031	0.832	0.011	40.126	TRUE	4.03E-10

Allergic asthma	RPTOR	cg00523683	rs4969266	T	C	-0.208	0.028	0.234	5.62E-14	-0.009	0.015	0.568	0.015	56.471	TRUE	1.65E-13
Allergic asthma	RPTOR	cg00523683	rs67583258	T	C	0.337	0.027	0.249	2.07E-35	0.026	0.015	0.081	0.040	154.142	TRUE	2.30E-33
Allergic asthma	RPTOR	cg00704970	rs11150747	T	C	0.151	0.027	0.249	3.65E-08	0.053	0.016	6.86E-04	0.008	30.311	TRUE	4.26E-07
Allergic asthma	RPTOR	cg00704970	rs113473934	C	G	0.198	0.024	0.391	1.32E-16	0.015	0.014	0.307	0.018	68.382	TRUE	7.38E-16
Allergic asthma	RPTOR	cg00704970	rs11656061	A	G	-0.478	0.023	0.436	6.20E-94	-0.017	0.014	0.234	0.103	422.505	TRUE	4.32E-88
Allergic asthma	RPTOR	cg00704970	rs12952861	A	G	0.439	0.029	0.202	2.58E-52	0.026	0.018	0.137	0.059	231.546	TRUE	2.02E-49
Allergic asthma	RPTOR	cg00704970	rs13341621	A	G	0.404	0.050	0.080	5.93E-16	-0.018	0.028	0.535	0.017	65.424	TRUE	2.13E-15
Allergic asthma	RPTOR	cg00704970	rs149099062	A	G	1.076	0.139	0.015	1.19E-14	0.183	0.091	0.045	0.016	59.513	TRUE	1.34E-13
Allergic asthma	RPTOR	cg00704970	rs2289763	G	C	1.252	0.031	0.119	<1E-200	0.019	0.022	0.388	0.302	1603.701	TRUE	2.04E-303
Allergic asthma	RPTOR	cg00704970	rs56273414	C	T	0.269	0.033	0.146	4.98E-16	0.040	0.018	0.025	0.017	65.767	TRUE	8.37E-15
Allergic asthma	RPTOR	cg00704970	rs56859058	G	T	0.292	0.048	0.071	9.39E-10	0.032	0.032	0.310	0.010	37.427	TRUE	2.79E-09
Allergic asthma	RPTOR	cg00704970	rs62068487	A	G	-0.359	0.025	0.319	1.09E-46	-0.021	0.015	0.160	0.053	205.763	TRUE	3.31E-44
Allergic asthma	RPTOR	cg00704970	rs7225916	G	T	0.156	0.026	0.272	3.41E-09	-0.002	0.016	0.915	0.009	34.916	TRUE	5.07E-09
Allergic asthma	RPTOR	cg00704970	rs72852923	T	C	0.307	0.050	0.068	8.10E-10	-0.024	0.028	0.399	0.010	37.715	TRUE	2.14E-09
Allergic asthma	RPTOR	cg00704970	rs72853711	C	T	0.266	0.037	0.115	5.17E-13	0.036	0.022	0.102	0.014	52.111	TRUE	3.48E-12
Allergic asthma	RPTOR	cg00704970	rs72857988	T	C	0.600	0.050	0.050	1.88E-33	0.025	0.023	0.285	0.038	145.184	TRUE	6.32E-32
Allergic asthma	RPTOR	cg00704970	rs8073904	G	A	0.190	0.033	0.141	9.93E-09	-0.030	0.019	0.125	0.009	32.838	TRUE	3.81E-08
Allergic asthma	RPTOR	cg01432609	rs62068339	G	T	0.257	0.041	0.092	3.12E-10	0.031	0.027	0.251	0.011	39.578	TRUE	1.07E-09
Allergic asthma	RPTOR	cg01464730	rs10468605	C	T	0.806	0.021	0.407	<1E-200	-0.011	0.014	0.415	0.288	1494.937	TRUE	3.71E-285
Allergic asthma	RPTOR	cg01464730	rs11652074	A	G	-0.213	0.037	0.117	8.99E-09	0.043	0.018	0.015	0.009	33.031	TRUE	6.29E-08
Allergic asthma	RPTOR	cg01464730	rs11653338	T	C	-0.143	0.024	0.495	1.43E-09	-0.005	0.014	0.701	0.010	36.607	TRUE	2.65E-09
Allergic asthma	RPTOR	cg01464730	rs117209908	A	G	0.489	0.050	0.059	2.89E-22	-0.007	0.031	0.832	0.025	94.121	TRUE	1.11E-21
Allergic asthma	RPTOR	cg01464730	rs118003029	A	G	-0.350	0.055	0.089	1.64E-10	-0.026	0.027	0.335	0.011	40.831	TRUE	5.03E-10
Allergic asthma	RPTOR	cg01464730	rs139980334	C	T	0.460	0.047	0.065	1.20E-22	0.043	0.029	0.140	0.025	95.856	TRUE	2.01E-21
Allergic asthma	RPTOR	cg01464730	rs35904260	G	A	-0.274	0.023	0.445	8.41E-32	-0.008	0.014	0.574	0.036	137.640	TRUE	1.17E-30
Allergic asthma	RPTOR	cg01464730	rs55903842	A	G	0.398	0.051	0.059	8.52E-15	-0.049	0.037	0.186	0.016	60.179	TRUE	5.29E-14
Allergic asthma	RPTOR	cg01464730	rs60720478	T	C	0.499	0.053	0.046	9.22E-21	0.047	0.040	0.238	0.023	87.276	TRUE	9.08E-20
Allergic asthma	RPTOR	cg01464730	rs62070200	A	G	-0.141	0.026	0.277	3.51E-08	0.030	0.016	0.062	0.008	30.386	TRUE	1.57E-07
Allergic asthma	RPTOR	cg01464730	rs72856013	A	G	-0.358	0.036	0.120	2.06E-23	0.038	0.019	0.042	0.026	99.346	TRUE	7.15E-22
Allergic asthma	RPTOR	cg01464730	rs77591050	T	C	0.498	0.045	0.077	1.33E-28	0.018	0.022	0.399	0.032	123.031	TRUE	1.94E-27
Allergic asthma	RPTOR	cg01464730	rs9897608	T	C	-0.256	0.025	0.346	1.74E-25	-0.005	0.014	0.728	0.029	108.808	TRUE	1.01E-24
Allergic asthma	RPTOR	cg01476242	rs4969443	G	A	-0.252	0.031	0.184	1.40E-16	0.035	0.016	0.032	0.018	68.267	TRUE	2.28E-15
Allergic asthma	RPTOR	cg01498832	rs34177980	T	C	0.233	0.030	0.199	3.12E-15	0.014	0.020	0.483	0.017	62.158	TRUE	1.14E-14
Allergic asthma	RPTOR	cg01498832	rs6565476	T	C	-0.296	0.029	0.220	3.35E-25	0.008	0.015	0.580	0.028	107.506	TRUE	2.45E-24
Allergic asthma	RPTOR	cg01516792	rs11150741	G	A	0.367	0.025	0.366	4.54E-50	0.011	0.014	0.428	0.056	221.253	TRUE	7.73E-48
Allergic asthma	RPTOR	cg01516792	rs117209908	A	G	0.338	0.050	0.059	2.04E-11	-0.007	0.031	0.832	0.012	44.906	TRUE	3.72E-11
Allergic asthma	RPTOR	cg01516792	rs118182693	G	A	-0.375	0.057	0.042	3.78E-11	0.064	0.034	0.058	0.012	43.702	TRUE	2.51E-10
Allergic asthma	RPTOR	cg01516792	rs11870398	T	C	-0.195	0.024	0.387	9.07E-16	-0.008	0.014	0.581	0.017	64.588	TRUE	3.01E-15
Allergic asthma	RPTOR	cg01516792	rs144443274	T	C	0.179	0.031	0.178	6.10E-09	0.035	0.019	0.059	0.009	33.783	TRUE	3.05E-08
Allergic asthma	RPTOR	cg01516792	rs8073414	G	A	-0.172	0.025	0.353	4.97E-12	0.017	0.014	0.210	0.013	47.674	TRUE	2.20E-11
Allergic asthma	RPTOR	cg01516792	rs9915667	A	G	-0.187	0.024	0.438	1.68E-15	-0.015	0.014	0.293	0.017	63.371	TRUE	8.72E-15
Allergic asthma	RPTOR	cg01561259	rs117736066	G	A	-0.305	0.041	0.088	1.55E-13	-0.047	0.028	0.099	0.015	54.473	TRUE	1.12E-12

Allergic asthma	RPTOR	cg01561259	rs12185227	G	C	0.142	0.024	0.390	2.96E-09	0.028	0.014	0.041	0.009	35.188	TRUE	1.72E-08
Allergic asthma	RPTOR	cg01561259	rs146289225	T	C	0.478	0.073	0.057	6.13E-11	-0.042	0.028	0.140	0.011	42.756	TRUE	2.89E-10
Allergic asthma	RPTOR	cg01561259	rs201407779	A	G	-0.421	0.041	0.090	7.34E-25	0.025	0.027	0.354	0.028	105.952	TRUE	8.17E-24
Allergic asthma	RPTOR	cg01561259	rs3829572	G	A	-0.143	0.024	0.389	4.28E-09	-0.012	0.014	0.385	0.009	34.472	TRUE	1.08E-08
Allergic asthma	RPTOR	cg01561259	rs4396581	T	C	0.306	0.023	0.491	6.18E-39	-0.006	0.014	0.662	0.044	170.268	TRUE	1.52E-37
Allergic asthma	RPTOR	cg01561259	rs62070201	A	G	0.316	0.044	0.069	4.97E-13	-0.018	0.029	0.535	0.014	52.187	TRUE	1.42E-12
Allergic asthma	RPTOR	cg01561259	rs7221014	T	C	0.386	0.024	0.382	1.47E-58	0.005	0.014	0.728	0.066	260.167	TRUE	3.59E-56
Allergic asthma	RPTOR	cg01561259	rs72853711	C	T	-0.255	0.037	0.115	4.83E-12	0.036	0.022	0.102	0.013	47.730	TRUE	2.91E-11
Allergic asthma	RPTOR	cg01886663	rs7210742	A	G	0.143	0.023	0.444	1.01E-09	0.004	0.014	0.747	0.010	37.293	TRUE	1.80E-09
Allergic asthma	RPTOR	cg01886663	rs8064817	T	C	-0.315	0.032	0.168	3.20E-23	0.002	0.019	0.900	0.026	98.478	TRUE	1.19E-22
Allergic asthma	RPTOR	cg01911440	rs114387751	T	C	0.259	0.043	0.081	2.54E-09	0.019	0.021	0.361	0.010	35.488	TRUE	6.75E-09
Allergic asthma	RPTOR	cg02033669	rs1468033	G	A	0.181	0.023	0.437	4.41E-15	-0.001	0.014	0.967	0.016	61.473	TRUE	8.63E-15
Allergic asthma	RPTOR	cg02185248	rs117117100	A	G	0.505	0.075	0.024	2.28E-11	0.044	0.029	0.127	0.012	44.694	TRUE	1.17E-10
Allergic asthma	RPTOR	cg02185248	rs117209908	A	G	0.539	0.050	0.059	7.01E-27	-0.007	0.031	0.832	0.030	115.168	TRUE	3.89E-26
Allergic asthma	RPTOR	cg02185248	rs12452137	G	A	0.726	0.026	0.249	1.85E-169	0.026	0.015	0.081	0.172	769.529	TRUE	2.82E-154
Allergic asthma	RPTOR	cg02185248	rs139062305	A	G	-0.346	0.052	0.063	2.31E-11	-0.083	0.036	0.020	0.012	44.668	TRUE	2.20E-10
Allergic asthma	RPTOR	cg02185248	rs2873061	A	G	-0.319	0.024	0.367	6.46E-40	0.000	0.014	0.993	0.045	174.754	TRUE	9.12E-39
Allergic asthma	RPTOR	cg02185248	rs35832855	C	T	0.136	0.024	0.436	9.56E-09	0.010	0.014	0.467	0.009	32.911	TRUE	2.13E-08
Allergic asthma	RPTOR	cg02185248	rs4969429	A	G	0.274	0.026	0.273	1.76E-25	0.029	0.015	0.060	0.029	108.780	TRUE	6.62E-24
Allergic asthma	RPTOR	cg02185248	rs56195589	C	T	0.390	0.051	0.134	1.75E-14	0.022	0.019	0.251	0.016	58.763	TRUE	8.99E-14
Allergic asthma	RPTOR	cg02185248	rs62067893	T	C	0.574	0.069	0.037	1.31E-16	0.080	0.041	0.052	0.018	68.398	TRUE	1.78E-15
Allergic asthma	RPTOR	cg02185248	rs6565695	T	C	-0.160	0.024	0.386	3.48E-11	-0.008	0.014	0.573	0.012	43.863	TRUE	8.26E-11
Allergic asthma	RPTOR	cg02185248	rs72853735	G	A	0.331	0.036	0.118	5.00E-20	0.038	0.019	0.040	0.022	83.935	TRUE	1.15E-18
Allergic asthma	RPTOR	cg02240665	rs11150746	G	A	-0.136	0.025	0.332	4.21E-08	0.031	0.014	0.030	0.008	30.032	TRUE	2.27E-07
Allergic asthma	RPTOR	cg02240665	rs7211095	T	G	-0.203	0.024	0.456	6.34E-18	-0.001	0.013	0.964	0.020	74.371	TRUE	1.49E-17
Allergic asthma	RPTOR	cg02243479	rs2289762	A	G	-0.333	0.026	0.245	1.95E-36	-0.006	0.016	0.701	0.041	158.831	TRUE	3.39E-35
Allergic asthma	RPTOR	cg02243479	rs2289764	C	T	0.156	0.027	0.241	1.16E-08	0.016	0.015	0.296	0.009	32.537	TRUE	3.18E-08
Allergic asthma	RPTOR	cg02251850	rs117763980	T	C	0.319	0.055	0.043	6.30E-09	-0.005	0.035	0.895	0.009	33.722	TRUE	9.40E-09
Allergic asthma	RPTOR	cg02251850	rs2289762	A	G	0.573	0.026	0.245	3.66E-107	-0.006	0.016	0.701	0.116	483.260	TRUE	5.87E-101
Allergic asthma	RPTOR	cg02251850	rs62068460	T	C	-0.462	0.027	0.231	1.72E-63	0.030	0.015	0.049	0.071	282.790	TRUE	1.98E-59
Allergic asthma	RPTOR	cg02251850	rs7207052	T	C	0.240	0.043	0.196	1.89E-08	-0.015	0.017	0.371	0.008	31.586	TRUE	4.61E-08
Allergic asthma	RPTOR	cg02254800	rs77734083	A	G	0.830	0.089	0.018	1.51E-20	-0.039	0.041	0.342	0.023	86.305	TRUE	1.13E-19
Allergic asthma	RPTOR	cg02284802	rs2589156	A	G	0.200	0.034	0.138	6.62E-09	-0.016	0.023	0.499	0.009	33.625	TRUE	1.44E-08
Allergic asthma	RPTOR	cg02403929	rs8082382	C	T	-0.133	0.024	0.420	2.53E-08	-0.016	0.014	0.233	0.008	31.022	TRUE	7.41E-08
Allergic asthma	RPTOR	cg02671711	rs9899051	A	G	-0.242	0.024	0.464	8.88E-25	0.013	0.014	0.327	0.028	105.575	TRUE	1.04E-23
Allergic asthma	RPTOR	cg02675920	rs117429647	G	A	0.339	0.061	0.039	2.89E-08	-0.003	0.035	0.936	0.008	30.765	TRUE	4.03E-08
Allergic asthma	RPTOR	cg02675920	rs12943620	T	G	-0.257	0.027	0.225	3.23E-21	-0.025	0.017	0.147	0.024	89.347	TRUE	4.50E-20
Allergic asthma	RPTOR	cg02675920	rs28742979	G	A	-0.185	0.027	0.262	8.82E-12	-0.001	0.017	0.933	0.012	46.548	TRUE	1.48E-11
Allergic asthma	RPTOR	cg02675920	rs62069371	T	C	-0.859	0.041	0.084	7.96E-97	0.034	0.028	0.220	0.105	435.785	TRUE	1.11E-90
Allergic asthma	RPTOR	cg02675920	rs7207154	C	T	0.352	0.052	0.131	8.82E-12	0.026	0.019	0.177	0.012	46.550	TRUE	4.11E-11
Allergic asthma	RPTOR	cg02675920	rs7208789	T	C	0.330	0.039	0.107	2.06E-17	-0.020	0.027	0.447	0.019	72.049	TRUE	9.56E-17
Allergic asthma	RPTOR	cg02675920	rs7209132	C	T	0.534	0.024	0.365	3.92E-108	0.011	0.014	0.422	0.116	487.715	TRUE	2.25E-101

Allergic asthma	RPTOR	cg02675920	rs72853735	G	A	0.251	0.036	0.118	4.37E-12	0.038	0.019	0.040	0.013	47.925	TRUE	3.70E-11
Allergic asthma	RPTOR	cg02675920	rs74003912	A	G	0.168	0.030	0.199	1.35E-08	-0.017	0.019	0.373	0.009	32.248	TRUE	3.31E-08
Allergic asthma	RPTOR	cg02675920	rs9902224	G	A	0.224	0.024	0.480	1.71E-21	0.011	0.014	0.421	0.024	90.604	TRUE	1.20E-20
Allergic asthma	RPTOR	cg02878831	rs11868966	C	A	-0.270	0.032	0.167	2.25E-17	0.010	0.019	0.586	0.019	71.872	TRUE	8.40E-17
Allergic asthma	RPTOR	cg02878831	rs4969306	C	T	0.150	0.025	0.317	2.32E-09	-0.019	0.015	0.195	0.010	35.661	TRUE	8.12E-09
Allergic asthma	RPTOR	cg03052541	rs2271610	G	C	0.235	0.033	0.135	1.27E-12	0.015	0.019	0.421	0.013	50.351	TRUE	4.10E-12
Allergic asthma	RPTOR	cg03052541	rs6565502	G	A	-0.379	0.024	0.394	2.01E-57	-0.012	0.014	0.393	0.064	254.959	TRUE	1.07E-54
Allergic asthma	RPTOR	cg03052541	rs868432	A	G	-0.172	0.023	0.444	8.35E-14	0.010	0.014	0.473	0.015	55.691	TRUE	2.76E-13
Allergic asthma	RPTOR	cg03443590	rs10468605	C	T	0.865	0.019	0.407	<1E-200	-0.011	0.014	0.415	0.351	2002.666	TRUE	<1E-200
Allergic asthma	RPTOR	cg03443590	rs113059224	A	G	-0.444	0.043	0.070	4.02E-25	-0.012	0.023	0.606	0.028	107.142	TRUE	2.79E-24
Allergic asthma	RPTOR	cg03443590	rs11651724	A	G	-0.279	0.037	0.117	4.75E-14	0.044	0.018	0.015	0.015	56.798	TRUE	7.23E-13
Allergic asthma	RPTOR	cg03443590	rs11653338	T	C	-0.216	0.024	0.495	3.65E-20	-0.005	0.014	0.701	0.022	84.557	TRUE	1.43E-19
Allergic asthma	RPTOR	cg03443590	rs117209908	A	G	0.422	0.050	0.059	5.39E-17	-0.007	0.031	0.832	0.019	70.150	TRUE	1.40E-16
Allergic asthma	RPTOR	cg03443590	rs2340773	T	C	-0.224	0.037	0.116	2.02E-09	-0.034	0.024	0.160	0.010	35.933	TRUE	7.67E-09
Allergic asthma	RPTOR	cg03443590	rs35904260	G	A	-0.403	0.023	0.445	1.87E-68	-0.008	0.014	0.574	0.076	305.556	TRUE	3.05E-65
Allergic asthma	RPTOR	cg03443590	rs56043926	A	G	0.568	0.053	0.046	1.93E-26	0.048	0.040	0.235	0.030	113.157	TRUE	3.48E-25
Allergic asthma	RPTOR	cg03443590	rs62068299	G	A	0.459	0.041	0.091	2.04E-29	0.023	0.027	0.393	0.033	126.744	TRUE	3.30E-28
Allergic asthma	RPTOR	cg03443590	rs62069420	A	T	0.404	0.052	0.058	5.52E-15	-0.049	0.037	0.187	0.016	61.034	TRUE	3.48E-14
Allergic asthma	RPTOR	cg03443590	rs72856013	A	G	-0.450	0.036	0.120	3.01E-36	0.038	0.019	0.042	0.041	157.973	TRUE	5.67E-34
Allergic asthma	RPTOR	cg03443590	rs77591050	T	C	0.558	0.045	0.077	1.36E-35	0.018	0.022	0.399	0.040	154.979	TRUE	4.21E-34
Allergic asthma	RPTOR	cg03443590	rs78230659	G	A	-0.142	0.025	0.324	1.25E-08	0.000	0.015	0.974	0.009	32.387	TRUE	1.72E-08
Allergic asthma	RPTOR	cg03502601	rs113473934	C	G	0.204	0.024	0.391	1.36E-17	0.015	0.014	0.307	0.019	72.872	TRUE	8.30E-17
Allergic asthma	RPTOR	cg03502601	rs11656246	A	G	-0.356	0.027	0.241	6.48E-41	-0.007	0.017	0.667	0.046	179.325	TRUE	1.96E-39
Allergic asthma	RPTOR	cg03502601	rs12948647	A	G	0.284	0.046	0.125	4.87E-10	0.012	0.020	0.544	0.010	38.709	TRUE	1.10E-09
Allergic asthma	RPTOR	cg03502601	rs12952861	A	G	0.445	0.029	0.202	1.26E-53	0.026	0.018	0.137	0.060	237.551	TRUE	1.20E-50
Allergic asthma	RPTOR	cg03502601	rs13341621	A	G	0.417	0.050	0.080	6.47E-17	-0.018	0.028	0.535	0.019	69.789	TRUE	2.51E-16
Allergic asthma	RPTOR	cg03502601	rs149099062	A	G	1.045	0.139	0.015	6.65E-14	0.183	0.091	0.045	0.015	56.138	TRUE	6.82E-13
Allergic asthma	RPTOR	cg03502601	rs2289764	C	T	1.143	0.020	0.241	<1E-200	0.016	0.015	0.296	0.469	3272.956	TRUE	<1E-200
Allergic asthma	RPTOR	cg03502601	rs56273414	C	T	0.238	0.033	0.146	7.30E-13	0.040	0.018	0.025	0.014	51.434	TRUE	8.04E-12
Allergic asthma	RPTOR	cg03502601	rs62067893	T	C	0.393	0.070	0.037	1.65E-08	0.080	0.041	0.052	0.009	31.852	TRUE	8.09E-08
Allergic asthma	RPTOR	cg03502601	rs62068487	A	G	-0.342	0.025	0.319	2.59E-42	-0.021	0.015	0.160	0.048	185.725	TRUE	4.32E-40
Allergic asthma	RPTOR	cg03502601	rs7217223	T	C	0.169	0.026	0.297	6.69E-11	0.018	0.014	0.212	0.011	42.583	TRUE	2.64E-10
Allergic asthma	RPTOR	cg03502601	rs72852923	T	C	0.310	0.050	0.068	5.81E-10	-0.024	0.028	0.399	0.010	38.364	TRUE	1.55E-09
Allergic asthma	RPTOR	cg03502601	rs72859646	T	C	0.645	0.068	0.026	2.96E-21	0.023	0.030	0.437	0.024	89.521	TRUE	1.97E-20
Allergic asthma	RPTOR	cg03502601	rs77183052	A	G	1.147	0.170	0.012	1.39E-11	0.016	0.031	0.598	0.012	45.658	TRUE	3.30E-11
Allergic asthma	RPTOR	cg03502601	rs908235	A	G	-0.199	0.031	0.191	8.73E-11	0.021	0.016	0.197	0.011	42.065	TRUE	3.51E-10
Allergic asthma	RPTOR	cg03513049	rs112356065	G	T	0.177	0.028	0.224	3.83E-10	-0.010	0.018	0.576	0.010	39.174	TRUE	8.42E-10
Allergic asthma	RPTOR	cg03513049	rs1131609	A	G	-0.251	0.027	0.243	4.09E-21	-0.023	0.017	0.172	0.023	88.884	TRUE	5.12E-20
Allergic asthma	RPTOR	cg03513049	rs2291360	A	G	0.222	0.025	0.367	3.44E-19	0.011	0.014	0.448	0.021	80.125	TRUE	1.86E-18
Allergic asthma	RPTOR	cg03513049	rs28742979	G	A	-0.245	0.027	0.262	1.34E-19	-0.001	0.017	0.933	0.022	81.989	TRUE	3.65E-19
Allergic asthma	RPTOR	cg03513049	rs58691767	T	C	-1.137	0.040	0.084	7.76E-178	0.035	0.028	0.203	0.179	808.036	TRUE	3.95E-162
Allergic asthma	RPTOR	cg03513049	rs9890103	C	G	-0.176	0.024	0.353	6.50E-13	0.014	0.014	0.326	0.014	51.663	TRUE	2.50E-12

Allergic asthma	RPTOR	cg03513049	rs9895714	C	A	0.229	0.023	0.426	5.87E-23	-0.028	0.014	0.041	0.026	97.277	TRUE	1.94E-21
Allergic asthma	RPTOR	cg03533386	rs11652074	A	G	-0.287	0.036	0.117	3.79E-15	0.043	0.018	0.015	0.016	61.773	TRUE	6.66E-14
Allergic asthma	RPTOR	cg03533386	rs72853711	C	T	0.201	0.036	0.115	3.12E-08	0.036	0.022	0.102	0.008	30.617	TRUE	1.21E-07
Allergic asthma	RPTOR	cg03533386	rs8064620	T	G	-0.136	0.024	0.382	1.20E-08	0.005	0.014	0.731	0.009	32.473	TRUE	2.04E-08
Allergic asthma	RPTOR	cg03641032	rs113335931	G	A	-0.393	0.032	0.150	3.37E-34	-0.018	0.018	0.317	0.039	148.601	TRUE	1.12E-32
Allergic asthma	RPTOR	cg03641032	rs2672878	T	C	0.260	0.026	0.263	3.34E-23	-0.003	0.015	0.852	0.026	98.395	TRUE	1.33E-22
Allergic asthma	RPTOR	cg03641032	rs2878052	A	G	0.898	0.025	0.228	7.37E-287	0.002	0.015	0.906	0.261	1309.351	TRUE	1.90E-254
Allergic asthma	RPTOR	cg03641032	rs4969285	G	C	-0.409	0.025	0.333	1.41E-61	-0.008	0.014	0.568	0.069	274.007	TRUE	8.15E-59
Allergic asthma	RPTOR	cg03641032	rs547581211	A	T	0.330	0.059	0.036	1.92E-08	0.045	0.040	0.264	0.008	31.560	TRUE	5.41E-08
Allergic asthma	RPTOR	cg03641032	rs56960771	T	C	0.181	0.025	0.310	8.09E-13	0.003	0.014	0.843	0.014	51.233	TRUE	1.59E-12
Allergic asthma	RPTOR	cg03641032	rs62068550	A	G	-0.691	0.034	0.143	9.41E-93	0.027	0.021	0.204	0.101	417.081	TRUE	6.22E-87
Allergic asthma	RPTOR	cg03641032	rs74004829	C	T	0.401	0.043	0.092	1.99E-20	-0.003	0.021	0.870	0.023	85.758	TRUE	6.27E-20
Allergic asthma	RPTOR	cg03641032	rs868432	A	G	0.773	0.020	0.444	<1E-200	0.010	0.014	0.473	0.281	1443.188	TRUE	1.64E-276
Allergic asthma	RPTOR	cg03641032	rs9897319	A	G	0.377	0.025	0.354	3.13E-52	-0.010	0.014	0.493	0.059	231.158	TRUE	5.92E-50
Allergic asthma	RPTOR	cg03641032	rs9897437	C	A	-0.627	0.033	0.131	1.98E-78	0.031	0.019	0.106	0.087	351.330	TRUE	1.68E-73
Allergic asthma	RPTOR	cg03794617	rs11150745	G	A	-0.338	0.025	0.314	1.48E-41	0.000	0.015	0.976	0.047	182.257	TRUE	2.57E-40
Allergic asthma	RPTOR	cg03794617	rs11655574	A	G	0.153	0.025	0.361	1.00E-09	0.013	0.014	0.347	0.010	37.300	TRUE	2.81E-09
Allergic asthma	RPTOR	cg03794617	rs28377011	C	T	-0.231	0.042	0.082	3.90E-08	0.024	0.024	0.318	0.008	30.181	TRUE	9.89E-08
Allergic asthma	RPTOR	cg03794617	rs4969424	A	C	0.518	0.037	0.117	1.19E-45	-0.034	0.024	0.158	0.052	201.019	TRUE	3.14E-43
Allergic asthma	RPTOR	cg03794617	rs62070202	T	C	-0.292	0.042	0.079	3.32E-12	0.050	0.027	0.063	0.013	48.462	TRUE	2.45E-11
Allergic asthma	RPTOR	cg03794617	rs7210110	A	G	-0.385	0.029	0.200	2.10E-39	0.011	0.019	0.562	0.045	172.412	TRUE	6.77E-38
Allergic asthma	RPTOR	cg03794617	rs8069320	C	A	-0.169	0.024	0.490	8.73E-13	-0.006	0.014	0.659	0.014	51.083	TRUE	2.10E-12
Allergic asthma	RPTOR	cg03890538	rs11658452	G	A	0.318	0.027	0.244	4.17E-32	0.021	0.016	0.188	0.036	139.033	TRUE	1.69E-30
Allergic asthma	RPTOR	cg03890538	rs1468032	T	A	-0.150	0.025	0.340	1.06E-09	-0.002	0.015	0.882	0.010	37.182	TRUE	1.68E-09
Allergic asthma	RPTOR	cg03890538	rs34048269	A	G	0.213	0.030	0.205	6.71E-13	0.009	0.016	0.575	0.014	51.600	TRUE	1.80E-12
Allergic asthma	RPTOR	cg04191427	rs11150746	G	A	0.239	0.025	0.332	5.44E-22	0.031	0.014	0.030	0.024	92.872	TRUE	1.85E-20
Allergic asthma	RPTOR	cg04191427	rs62067889	G	C	-0.180	0.030	0.199	1.27E-09	0.012	0.020	0.542	0.010	36.843	TRUE	2.78E-09
Allergic asthma	RPTOR	cg04295549	rs2340773	T	C	-0.355	0.037	0.116	3.64E-22	-0.034	0.024	0.160	0.025	93.665	TRUE	5.34E-21
Allergic asthma	RPTOR	cg04295549	rs62648832	G	A	-0.148	0.023	0.440	1.31E-10	-0.008	0.014	0.571	0.011	41.273	TRUE	2.99E-10
Allergic asthma	RPTOR	cg04658243	rs1128687	C	T	-0.138	0.024	0.420	4.36E-09	-0.008	0.014	0.591	0.009	34.436	TRUE	8.74E-09
Allergic asthma	RPTOR	cg04658243	rs11868966	C	A	1.049	0.028	0.167	<1E-200	0.010	0.019	0.586	0.280	1441.589	TRUE	1.49E-276
Allergic asthma	RPTOR	cg04658243	rs13341621	A	G	0.377	0.050	0.080	4.66E-14	-0.018	0.028	0.535	0.015	56.839	TRUE	1.44E-13
Allergic asthma	RPTOR	cg04658243	rs149099062	A	G	0.951	0.140	0.015	9.65E-12	0.183	0.091	0.045	0.012	46.372	TRUE	7.53E-11
Allergic asthma	RPTOR	cg04658243	rs55993113	G	A	0.156	0.028	0.219	2.67E-08	0.015	0.018	0.403	0.008	30.916	TRUE	6.18E-08
Allergic asthma	RPTOR	cg04658243	rs56273414	C	T	0.238	0.033	0.146	8.54E-13	0.040	0.018	0.025	0.014	51.127	TRUE	9.31E-12
Allergic asthma	RPTOR	cg04658243	rs62067893	T	C	0.402	0.070	0.037	7.66E-09	0.080	0.041	0.052	0.009	33.343	TRUE	3.92E-08
Allergic asthma	RPTOR	cg04658243	rs62068487	A	G	-0.254	0.025	0.319	8.99E-24	-0.021	0.015	0.160	0.027	100.990	TRUE	1.57E-22
Allergic asthma	RPTOR	cg04658243	rs7208823	G	A	0.163	0.028	0.247	3.66E-09	0.025	0.015	0.092	0.009	34.780	TRUE	1.64E-08
Allergic asthma	RPTOR	cg04658243	rs7502321	C	T	0.147	0.024	0.386	9.53E-10	0.003	0.014	0.855	0.010	37.399	TRUE	1.54E-09
Allergic asthma	RPTOR	cg04658243	rs7502841	A	G	0.380	0.027	0.232	5.45E-44	0.019	0.017	0.251	0.050	193.406	TRUE	7.52E-42
Allergic asthma	RPTOR	cg04662369	rs11150747	T	C	-0.331	0.027	0.249	3.22E-34	0.053	0.016	6.86E-04	0.039	148.692	TRUE	3.08E-31
Allergic asthma	RPTOR	cg04662369	rs11651724	A	G	-0.466	0.037	0.117	7.94E-37	0.044	0.018	0.015	0.042	160.617	TRUE	2.92E-34

Allergic asthma	RPTOR	cg04662369	rs117209908	A	G	-0.530	0.050	0.059	5.47E-26	-0.007	0.031	0.832	0.029	111.096	TRUE	2.82E-25
Allergic asthma	RPTOR	cg04662369	rs118107399	T	C	1.294	0.148	0.014	1.96E-18	0.016	0.082	0.846	0.020	76.684	TRUE	5.55E-18
Allergic asthma	RPTOR	cg04662369	rs12949279	C	T	0.869	0.018	0.440	<1E-200	-0.010	0.014	0.490	0.374	2211.170	TRUE	<1E-200
Allergic asthma	RPTOR	cg04662369	rs2340772	C	A	1.156	0.034	0.117	4.08E-249	-0.034	0.024	0.160	0.235	1135.772	TRUE	1.16E-221
Allergic asthma	RPTOR	cg04662369	rs2589139	C	G	0.208	0.025	0.297	1.18E-16	-0.022	0.015	0.139	0.018	68.612	TRUE	1.03E-15
Allergic asthma	RPTOR	cg04662369	rs28364735	C	T	-0.242	0.025	0.280	1.55E-21	0.018	0.015	0.243	0.024	90.798	TRUE	1.63E-20
Allergic asthma	RPTOR	cg04662369	rs4426398	T	C	0.228	0.034	0.139	1.28E-11	-0.053	0.020	0.008	0.012	45.818	TRUE	1.66E-10
Allergic asthma	RPTOR	cg04662369	rs4453556	G	A	0.133	0.024	0.417	2.18E-08	0.003	0.014	0.855	0.008	31.311	TRUE	3.28E-08
Allergic asthma	RPTOR	cg04662369	rs4969282	T	G	0.198	0.033	0.139	2.90E-09	-0.034	0.021	0.113	0.009	35.232	TRUE	1.23E-08
Allergic asthma	RPTOR	cg04662369	rs4969427	A	G	-0.325	0.031	0.179	3.13E-26	-0.007	0.017	0.689	0.029	112.203	TRUE	2.08E-25
Allergic asthma	RPTOR	cg04662369	rs56111062	G	A	-0.344	0.024	0.379	4.48E-47	-0.003	0.014	0.838	0.053	207.536	TRUE	1.92E-45
Allergic asthma	RPTOR	cg04662369	rs62067893	T	C	-0.666	0.069	0.037	6.76E-22	0.080	0.041	0.052	0.024	92.441	TRUE	1.76E-20
Allergic asthma	RPTOR	cg04662369	rs72856006	G	C	-0.415	0.036	0.120	4.06E-31	0.038	0.019	0.042	0.035	134.516	TRUE	3.85E-29
Allergic asthma	RPTOR	cg04662369	rs72858264	C	A	0.497	0.066	0.031	5.47E-14	0.038	0.047	0.412	0.015	56.521	TRUE	2.01E-13
Allergic asthma	RPTOR	cg04789650	rs113059224	A	G	-0.273	0.043	0.070	2.52E-10	-0.012	0.023	0.606	0.011	39.994	TRUE	5.42E-10
Allergic asthma	RPTOR	cg04789650	rs11548824	A	G	-0.247	0.034	0.154	1.81E-13	-0.020	0.019	0.295	0.014	54.171	TRUE	7.74E-13
Allergic asthma	RPTOR	cg04789650	rs117763980	T	C	-0.481	0.055	0.043	1.62E-18	-0.005	0.035	0.895	0.020	77.061	TRUE	4.32E-18
Allergic asthma	RPTOR	cg04789650	rs139078473	A	G	-0.341	0.051	0.052	2.64E-11	0.002	0.029	0.958	0.012	44.407	TRUE	4.20E-11
Allergic asthma	RPTOR	cg04789650	rs2004184	C	T	-0.401	0.026	0.265	4.39E-54	0.000	0.015	0.977	0.061	239.651	TRUE	3.28E-52
Allergic asthma	RPTOR	cg04789650	rs4969300	A	G	0.593	0.035	0.120	7.28E-65	0.034	0.020	0.094	0.072	289.083	TRUE	6.07E-61
Allergic asthma	RPTOR	cg04789650	rs55803650	A	C	-0.525	0.092	0.017	1.29E-08	0.009	0.046	0.840	0.009	32.325	TRUE	1.99E-08
Allergic asthma	RPTOR	cg04789650	rs56960771	T	C	-0.199	0.025	0.310	3.14E-15	0.003	0.014	0.843	0.017	62.145	TRUE	7.17E-15
Allergic asthma	RPTOR	cg04789650	rs67198902	G	T	-0.277	0.031	0.186	1.58E-19	-0.017	0.018	0.321	0.022	81.666	TRUE	1.12E-18
Allergic asthma	RPTOR	cg04789650	rs7225241	T	C	-0.216	0.035	0.137	5.12E-10	0.018	0.021	0.375	0.010	38.609	TRUE	1.42E-09
Allergic asthma	RPTOR	cg04789650	rs7503237	G	A	0.852	0.020	0.449	<1E-200	-0.001	0.014	0.917	0.340	1908.217	TRUE	<1E-200
Allergic asthma	RPTOR	cg04789650	rs9903399	C	T	-0.312	0.041	0.222	1.45E-14	-0.016	0.018	0.367	0.016	59.137	TRUE	6.00E-14
Allergic asthma	RPTOR	cg05064567	rs11656061	A	G	0.209	0.024	0.436	2.06E-18	-0.017	0.014	0.234	0.020	76.592	TRUE	1.62E-17
Allergic asthma	RPTOR	cg05064567	rs12952861	A	G	-0.248	0.029	0.202	1.80E-17	0.026	0.018	0.137	0.019	72.315	TRUE	1.73E-16
Allergic asthma	RPTOR	cg05064567	rs13341621	A	G	-0.326	0.050	0.080	6.74E-11	-0.018	0.028	0.535	0.011	42.569	TRUE	1.64E-10
Allergic asthma	RPTOR	cg05064567	rs2289766	G	A	-0.904	0.030	0.167	4.19E-196	0.007	0.019	0.718	0.194	892.018	TRUE	4.79E-179
Allergic asthma	RPTOR	cg05064567	rs4969307	C	G	-0.166	0.025	0.357	1.46E-11	0.019	0.014	0.177	0.012	45.556	TRUE	6.69E-11
Allergic asthma	RPTOR	cg05064567	rs6565489	A	C	-0.204	0.024	0.455	4.86E-18	0.016	0.014	0.230	0.020	74.896	TRUE	3.72E-17
Allergic asthma	RPTOR	cg05064567	rs9912092	G	A	-0.222	0.023	0.499	7.63E-22	-0.023	0.014	0.096	0.024	92.201	TRUE	1.44E-20
Allergic asthma	RPTOR	cg05098037	rs11150745	G	A	-0.281	0.025	0.314	7.03E-29	0.000	0.015	0.976	0.033	124.293	TRUE	3.65E-28
Allergic asthma	RPTOR	cg05098037	rs11655574	A	G	0.172	0.025	0.361	6.74E-12	0.013	0.014	0.347	0.013	47.075	TRUE	2.29E-11
Allergic asthma	RPTOR	cg05098037	rs118107399	T	C	0.937	0.149	0.014	2.83E-10	0.016	0.082	0.846	0.011	39.764	TRUE	4.77E-10
Allergic asthma	RPTOR	cg05098037	rs12940318	T	C	-0.214	0.024	0.431	1.87E-19	0.010	0.014	0.443	0.022	81.323	TRUE	1.05E-18
Allergic asthma	RPTOR	cg05098037	rs28872794	C	T	-0.191	0.024	0.493	3.96E-16	-0.005	0.014	0.711	0.018	66.219	TRUE	1.13E-15
Allergic asthma	RPTOR	cg05098037	rs35926934	A	G	0.882	0.036	0.117	1.62E-135	0.034	0.024	0.160	0.142	613.522	TRUE	4.04E-125
Allergic asthma	RPTOR	cg05098037	rs62070202	T	C	-0.257	0.042	0.079	9.38E-10	0.050	0.027	0.063	0.010	37.430	TRUE	5.10E-09
Allergic asthma	RPTOR	cg05098037	rs734338	A	G	-0.187	0.023	0.497	1.34E-15	0.003	0.014	0.807	0.017	63.817	TRUE	3.28E-15
Allergic asthma	RPTOR	cg05337636	rs10468603	C	T	-0.268	0.024	0.413	2.45E-29	0.013	0.014	0.345	0.033	126.378	TRUE	4.42E-28

Allergic asthma	RPTOR	cg05337636	rs11150746	G	A	-0.164	0.025	0.332	3.86E-11	0.031	0.014	0.030	0.012	43.659	TRUE	3.18E-10
Allergic asthma	RPTOR	cg05337636	rs12948054	T	C	0.240	0.040	0.091	1.37E-09	0.022	0.026	0.404	0.010	36.695	TRUE	3.51E-09
Allergic asthma	RPTOR	cg05337636	rs4969429	A	G	-0.190	0.026	0.273	5.76E-13	0.029	0.015	0.060	0.014	51.899	TRUE	4.74E-12
Allergic asthma	RPTOR	cg05395366	rs2271607	C	T	0.417	0.029	0.220	4.17E-48	0.003	0.016	0.823	0.054	212.258	TRUE	2.09E-46
Allergic asthma	RPTOR	cg05395366	rs7220687	C	T	0.143	0.026	0.289	3.77E-08	0.020	0.016	0.210	0.008	30.249	TRUE	1.13E-07
Allergic asthma	RPTOR	cg05548508	rs4969277	T	C	0.250	0.030	0.184	1.61E-16	0.035	0.016	0.032	0.018	67.991	TRUE	2.62E-15
Allergic asthma	RPTOR	cg05651511	rs117429647	G	A	-0.369	0.061	0.039	1.41E-09	-0.003	0.035	0.936	0.010	36.634	TRUE	2.10E-09
Allergic asthma	RPTOR	cg05651511	rs12942109	G	A	0.237	0.024	0.417	7.45E-24	-0.016	0.014	0.259	0.027	101.363	TRUE	9.51E-23
Allergic asthma	RPTOR	cg05651511	rs72858219	A	G	-0.218	0.029	0.212	1.93E-14	0.008	0.018	0.656	0.016	58.572	TRUE	5.24E-14
Allergic asthma	RPTOR	cg05651511	rs8080789	A	G	0.360	0.037	0.118	7.36E-23	-0.034	0.024	0.162	0.026	96.829	TRUE	1.15E-21
Allergic asthma	RPTOR	cg05651511	rs9893680	G	T	-0.160	0.024	0.383	3.76E-11	0.023	0.014	0.112	0.012	43.713	TRUE	1.97E-10
Allergic asthma	RPTOR	cg05651511	rs9894401	A	G	-0.395	0.027	0.255	1.31E-48	0.022	0.015	0.140	0.055	214.566	TRUE	5.85E-46
Allergic asthma	RPTOR	cg05774614	rs1128687	C	T	-0.181	0.024	0.420	1.53E-14	-0.008	0.014	0.591	0.016	59.027	TRUE	4.56E-14
Allergic asthma	RPTOR	cg05774614	rs113714895	T	C	-0.270	0.043	0.080	2.67E-10	-0.003	0.025	0.911	0.011	39.880	TRUE	4.23E-10
Allergic asthma	RPTOR	cg05774614	rs11653179	A	G	0.169	0.031	0.174	3.72E-08	0.007	0.020	0.736	0.008	30.273	TRUE	6.12E-08
Allergic asthma	RPTOR	cg05774614	rs11656246	A	G	-0.446	0.026	0.241	4.04E-64	-0.007	0.017	0.667	0.072	285.669	TRUE	2.60E-61
Allergic asthma	RPTOR	cg05774614	rs12948647	A	G	0.306	0.046	0.125	2.09E-11	0.012	0.020	0.544	0.012	44.864	TRUE	5.21E-11
Allergic asthma	RPTOR	cg05774614	rs12952861	A	G	0.407	0.029	0.202	5.30E-45	0.026	0.018	0.137	0.051	198.040	TRUE	1.45E-42
Allergic asthma	RPTOR	cg05774614	rs13341621	A	G	0.471	0.050	0.080	3.11E-21	-0.018	0.028	0.535	0.024	89.422	TRUE	1.73E-20
Allergic asthma	RPTOR	cg05774614	rs149099062	A	G	1.173	0.139	0.015	3.43E-17	0.183	0.091	0.045	0.019	71.043	TRUE	5.29E-16
Allergic asthma	RPTOR	cg05774614	rs2289764	C	T	0.960	0.024	0.241	<1E-200	0.016	0.015	0.296	0.310	1660.882	TRUE	<1E-200
Allergic asthma	RPTOR	cg05774614	rs56068957	C	A	0.142	0.024	0.470	1.84E-09	-0.014	0.014	0.305	0.010	36.116	TRUE	5.37E-09
Allergic asthma	RPTOR	cg05774614	rs56273414	C	T	0.256	0.033	0.146	1.33E-14	0.040	0.018	0.025	0.016	59.297	TRUE	1.85E-13
Allergic asthma	RPTOR	cg05774614	rs62068550	A	G	-0.256	0.035	0.143	1.37E-13	0.027	0.021	0.204	0.015	54.724	TRUE	7.17E-13
Allergic asthma	RPTOR	cg05774614	rs72853711	C	T	0.244	0.037	0.115	3.38E-11	0.036	0.022	0.102	0.012	43.919	TRUE	1.85E-10
Allergic asthma	RPTOR	cg05774614	rs7502321	C	T	0.191	0.024	0.386	2.15E-15	0.003	0.014	0.855	0.017	62.886	TRUE	4.90E-15
Allergic asthma	RPTOR	cg05774614	rs75856682	T	C	0.539	0.085	0.044	2.75E-10	0.018	0.031	0.559	0.011	39.825	TRUE	6.20E-10
Allergic asthma	RPTOR	cg05774614	rs8073904	G	A	0.187	0.033	0.141	1.92E-08	-0.030	0.019	0.125	0.008	31.557	TRUE	7.14E-08
Allergic asthma	RPTOR	cg05774614	rs908236	C	G	0.306	0.025	0.351	9.72E-36	0.019	0.014	0.177	0.040	155.641	TRUE	6.41E-34
Allergic asthma	RPTOR	cg05774614	rs9897319	A	G	-0.190	0.025	0.354	4.06E-14	-0.010	0.014	0.493	0.015	57.108	TRUE	1.34E-13
Allergic asthma	RPTOR	cg06153925	rs114101526	T	C	-0.263	0.042	0.085	5.37E-10	0.079	0.027	0.003	0.010	38.517	TRUE	6.61E-09
Allergic asthma	RPTOR	cg06153925	rs118107399	T	C	1.323	0.148	0.014	3.16E-19	0.016	0.082	0.846	0.021	80.291	TRUE	9.45E-19
Allergic asthma	RPTOR	cg06153925	rs11869626	C	A	0.161	0.023	0.476	5.68E-12	0.000	0.013	0.980	0.013	47.413	TRUE	9.17E-12
Allergic asthma	RPTOR	cg06153925	rs2004184	C	T	-0.157	0.026	0.265	2.17E-09	0.000	0.015	0.977	0.010	35.796	TRUE	3.08E-09
Allergic asthma	RPTOR	cg06153925	rs2672901	T	C	0.380	0.024	0.353	2.88E-55	-0.003	0.014	0.821	0.062	245.074	TRUE	3.59E-53
Allergic asthma	RPTOR	cg06153925	rs72853745	T	C	-0.357	0.036	0.118	3.69E-23	0.038	0.019	0.040	0.026	98.193	TRUE	1.28E-21
Allergic asthma	RPTOR	cg06153925	rs72855137	A	G	-0.182	0.029	0.197	5.75E-10	-0.011	0.016	0.509	0.010	38.385	TRUE	1.34E-09
Allergic asthma	RPTOR	cg06153925	rs72858219	A	G	-0.306	0.028	0.212	5.82E-27	0.008	0.018	0.656	0.030	115.534	TRUE	4.37E-26
Allergic asthma	RPTOR	cg06153925	rs72859613	T	C	0.517	0.073	0.020	1.52E-12	-0.001	0.039	0.972	0.013	49.991	TRUE	2.56E-12
Allergic asthma	RPTOR	cg06153925	rs76584516	G	A	1.207	0.032	0.118	<1E-200	-0.007	0.027	0.792	0.277	1416.642	TRUE	8.79E-273
Allergic asthma	RPTOR	cg06153925	rs8069962	G	A	0.148	0.023	0.471	2.27E-10	0.016	0.014	0.238	0.011	40.198	TRUE	8.07E-10
Allergic asthma	RPTOR	cg06153925	rs9894401	A	G	-0.465	0.027	0.255	1.46E-67	0.022	0.015	0.140	0.075	301.459	TRUE	1.30E-63

Allergic asthma	RPTOR	cg06153925	rs9895714	C	A	0.360	0.023	0.426	3.31E-55	-0.028	0.014	0.041	0.062	244.799	TRUE	1.09E-51
Allergic asthma	RPTOR	cg06154633	rs11653319	T	C	-0.150	0.027	0.291	3.47E-08	-0.008	0.016	0.590	0.008	30.408	TRUE	6.53E-08
Allergic asthma	RPTOR	cg06154633	rs12944674	A	G	-0.226	0.025	0.326	7.60E-20	0.004	0.015	0.791	0.022	83.106	TRUE	2.56E-19
Allergic asthma	RPTOR	cg06154633	rs2589129	A	G	-0.381	0.023	0.487	2.43E-62	0.028	0.014	0.041	0.070	277.507	TRUE	2.66E-58
Allergic asthma	RPTOR	cg06154633	rs7222906	C	T	0.215	0.029	0.202	1.82E-13	0.016	0.017	0.334	0.014	54.166	TRUE	7.24E-13
Allergic asthma	RPTOR	cg06154633	rs77183052	A	G	-1.207	0.170	0.012	1.07E-12	0.016	0.031	0.598	0.014	50.687	TRUE	2.75E-12
Allergic asthma	RPTOR	cg06154633	rs9897319	A	G	-0.145	0.025	0.354	7.92E-09	-0.010	0.014	0.493	0.009	33.277	TRUE	1.72E-08
Allergic asthma	RPTOR	cg06343673	rs12943620	T	G	0.163	0.027	0.225	2.28E-09	-0.025	0.017	0.147	0.010	35.700	TRUE	8.88E-09
Allergic asthma	RPTOR	cg06343673	rs2090204	T	G	0.250	0.033	0.132	3.97E-14	-0.030	0.019	0.119	0.015	57.154	TRUE	2.84E-13
Allergic asthma	RPTOR	cg06343673	rs35327093	T	C	0.214	0.029	0.209	2.04E-13	0.007	0.020	0.708	0.014	53.937	TRUE	4.84E-13
Allergic asthma	RPTOR	cg06343673	rs4889856	C	T	-0.260	0.023	0.435	6.51E-29	0.021	0.014	0.124	0.033	124.446	TRUE	2.42E-27
Allergic asthma	RPTOR	cg06343673	rs546161523	T	C	-0.734	0.079	0.036	1.98E-20	-0.016	0.035	0.639	0.023	85.761	TRUE	8.73E-20
Allergic asthma	RPTOR	cg06343673	rs60024815	T	A	0.214	0.027	0.251	1.52E-15	-0.015	0.015	0.337	0.017	63.567	TRUE	7.27E-15
Allergic asthma	RPTOR	cg06343673	rs61735242	T	C	-0.399	0.039	0.103	1.22E-24	0.013	0.022	0.546	0.028	104.938	TRUE	9.05E-24
Allergic asthma	RPTOR	cg06343673	rs72849959	C	A	-0.819	0.059	0.044	7.30E-44	-0.023	0.027	0.397	0.050	192.825	TRUE	6.10E-42
Allergic asthma	RPTOR	cg06343673	rs72853728	C	T	-0.260	0.034	0.144	8.28E-15	0.043	0.019	0.025	0.016	60.234	TRUE	1.17E-13
Allergic asthma	RPTOR	cg06343673	rs9889802	G	C	-1.168	0.024	0.184	<1E-200	0.035	0.016	0.033	0.386	2322.301	TRUE	<1E-200
Allergic asthma	RPTOR	cg06412669	rs11150746	G	A	0.196	0.025	0.332	3.07E-15	0.031	0.014	0.030	0.017	62.190	TRUE	4.35E-14
Allergic asthma	RPTOR	cg06412669	rs4969425	A	G	-0.278	0.025	0.320	2.13E-28	-0.011	0.014	0.443	0.032	122.095	TRUE	2.77E-27
Allergic asthma	RPTOR	cg06418238	rs114177791	T	G	-0.333	0.028	0.215	7.55E-32	0.014	0.017	0.411	0.036	137.855	TRUE	1.51E-30
Allergic asthma	RPTOR	cg06418238	rs117117100	A	G	-0.425	0.076	0.024	1.76E-08	0.044	0.029	0.127	0.009	31.730	TRUE	6.52E-08
Allergic asthma	RPTOR	cg06418238	rs117209908	A	G	-0.407	0.050	0.059	6.64E-16	-0.007	0.031	0.832	0.017	65.202	TRUE	1.61E-15
Allergic asthma	RPTOR	cg06418238	rs118107399	T	C	1.423	0.147	0.014	4.69E-22	0.016	0.082	0.846	0.025	93.163	TRUE	1.73E-21
Allergic asthma	RPTOR	cg06418238	rs11869626	C	A	0.180	0.023	0.476	1.51E-14	0.000	0.013	0.980	0.016	59.050	TRUE	2.82E-14
Allergic asthma	RPTOR	cg06418238	rs2672901	T	C	0.423	0.024	0.353	1.22E-68	-0.003	0.014	0.821	0.076	306.412	TRUE	1.03E-65
Allergic asthma	RPTOR	cg06418238	rs4561525	A	G	-0.162	0.030	0.192	4.44E-08	-0.015	0.016	0.346	0.008	29.931	TRUE	1.08E-07
Allergic asthma	RPTOR	cg06418238	rs60513142	A	G	-0.516	0.027	0.249	2.92E-82	0.024	0.015	0.112	0.091	368.911	TRUE	4.86E-77
Allergic asthma	RPTOR	cg06418238	rs72853719	T	C	-0.279	0.042	0.090	2.69E-11	0.079	0.027	0.003	0.012	44.369	TRUE	4.05E-10
Allergic asthma	RPTOR	cg06418238	rs72856013	A	G	-0.347	0.036	0.120	4.06E-22	0.038	0.019	0.042	0.025	93.449	TRUE	1.20E-20
Allergic asthma	RPTOR	cg06418238	rs72859613	T	C	0.515	0.073	0.020	1.79E-12	-0.001	0.039	0.972	0.013	49.674	TRUE	3.00E-12
Allergic asthma	RPTOR	cg06418238	rs76584516	G	A	1.319	0.031	0.118	<1E-200	-0.007	0.027	0.792	0.327	1796.694	TRUE	<1E-200
Allergic asthma	RPTOR	cg06418238	rs8069962	G	A	0.209	0.023	0.471	1.99E-19	0.016	0.014	0.238	0.021	81.209	TRUE	1.71E-18
Allergic asthma	RPTOR	cg06418238	rs9895714	C	A	0.383	0.023	0.426	8.58E-63	-0.028	0.014	0.041	0.070	279.584	TRUE	1.01E-58
Allergic asthma	RPTOR	cg06443231	rs1471791	A	G	-0.218	0.029	0.199	7.59E-14	0.014	0.020	0.483	0.015	55.878	TRUE	2.48E-13
Allergic asthma	RPTOR	cg06469955	rs11150762	T	C	-0.240	0.031	0.166	9.34E-15	0.006	0.022	0.779	0.016	59.999	TRUE	2.23E-14
Allergic asthma	RPTOR	cg06469955	rs4969285	G	C	-0.163	0.025	0.333	1.02E-10	-0.008	0.014	0.568	0.011	41.753	TRUE	2.36E-10
Allergic asthma	RPTOR	cg06469955	rs4969303	A	G	-1.063	0.030	0.132	3.05E-273	0.031	0.019	0.103	0.252	1246.728	TRUE	7.00E-241
Allergic asthma	RPTOR	cg06469955	rs72857988	T	C	-0.403	0.050	0.050	8.41E-16	0.025	0.023	0.285	0.017	64.737	TRUE	4.56E-15
Allergic asthma	RPTOR	cg06469955	rs868432	A	G	0.331	0.023	0.444	2.37E-46	0.010	0.014	0.473	0.052	204.219	TRUE	2.19E-44
Allergic asthma	RPTOR	cg06469955	rs9897841	C	T	0.220	0.024	0.498	1.93E-20	-0.012	0.013	0.367	0.023	85.815	TRUE	1.36E-19
Allergic asthma	RPTOR	cg06469955	rs9915393	G	C	0.292	0.027	0.258	1.38E-27	0.003	0.015	0.816	0.031	118.384	TRUE	8.37E-27
Allergic asthma	RPTOR	cg06617879	rs2289762	A	G	0.357	0.026	0.245	1.47E-41	-0.006	0.016	0.701	0.047	182.280	TRUE	4.44E-40

Allergic asthma	RPTOR	cg06617879	rs868432	A	G	0.139	0.023	0.444	2.00E-09	0.010	0.014	0.473	0.010	35.959	TRUE	4.65E-09
Allergic asthma	RPTOR	cg06673969	rs117429647	G	A	-0.668	0.060	0.039	6.74E-29	-0.003	0.035	0.936	0.033	124.377	TRUE	3.74E-28
Allergic asthma	RPTOR	cg06872548	rs114177791	T	G	-0.373	0.028	0.215	9.24E-40	0.014	0.017	0.411	0.045	174.044	TRUE	4.50E-38
Allergic asthma	RPTOR	cg06872548	rs11651724	A	G	-0.366	0.037	0.117	3.10E-23	0.044	0.018	0.015	0.026	98.541	TRUE	1.67E-21
Allergic asthma	RPTOR	cg06872548	rs118099953	T	C	-0.829	0.063	0.036	9.42E-40	-0.005	0.035	0.896	0.045	174.004	TRUE	1.58E-38
Allergic asthma	RPTOR	cg06872548	rs118107399	T	C	1.287	0.148	0.014	2.97E-18	0.016	0.082	0.846	0.020	75.872	TRUE	8.28E-18
Allergic asthma	RPTOR	cg06872548	rs12945810	T	C	0.313	0.024	0.413	1.72E-40	-0.017	0.014	0.233	0.046	177.383	TRUE	1.62E-38
Allergic asthma	RPTOR	cg06872548	rs35904260	G	A	0.296	0.023	0.445	6.37E-37	-0.008	0.014	0.574	0.042	161.054	TRUE	1.52E-35
Allergic asthma	RPTOR	cg06872548	rs57673311	C	G	-0.667	0.026	0.249	2.05E-141	0.024	0.015	0.112	0.148	640.625	TRUE	4.37E-130
Allergic asthma	RPTOR	cg06872548	rs62067876	A	G	0.276	0.042	0.086	4.22E-11	0.041	0.028	0.142	0.012	43.486	TRUE	2.01E-10
Allergic asthma	RPTOR	cg06872548	rs62067893	T	C	-0.577	0.069	0.037	9.31E-17	0.080	0.041	0.052	0.018	69.073	TRUE	1.29E-15
Allergic asthma	RPTOR	cg06872548	rs7217825	C	T	1.116	0.034	0.119	3.00E-232	-0.034	0.024	0.163	0.222	1058.212	TRUE	8.54E-208
Allergic asthma	RPTOR	cg06872548	rs72856013	A	G	-0.368	0.036	0.120	9.72E-25	0.038	0.019	0.042	0.028	105.395	TRUE	3.99E-23
Allergic asthma	RPTOR	cg06908052	rs12951596	T	C	-0.367	0.033	0.134	5.05E-29	0.025	0.019	0.185	0.033	124.948	TRUE	1.45E-27
Allergic asthma	RPTOR	cg06975080	rs11150741	G	A	0.299	0.025	0.366	2.67E-34	0.011	0.014	0.428	0.039	149.060	TRUE	6.67E-33
Allergic asthma	RPTOR	cg06975080	rs1131609	A	G	0.158	0.027	0.243	3.17E-09	-0.023	0.017	0.172	0.009	35.058	TRUE	1.15E-08
Allergic asthma	RPTOR	cg06975080	rs117559611	C	T	0.260	0.030	0.194	2.41E-18	0.014	0.020	0.486	0.020	76.282	TRUE	1.14E-17
Allergic asthma	RPTOR	cg06975080	rs57678654	T	C	0.165	0.024	0.380	6.99E-12	0.003	0.014	0.817	0.013	47.006	TRUE	1.33E-11
Allergic asthma	RPTOR	cg06975080	rs61391154	T	G	-0.526	0.024	0.340	1.20E-106	-0.003	0.014	0.857	0.115	480.896	TRUE	1.03E-100
Allergic asthma	RPTOR	cg06975080	rs7207154	C	T	0.292	0.052	0.131	1.68E-08	0.026	0.019	0.177	0.009	31.820	TRUE	5.55E-08
Allergic asthma	RPTOR	cg06975080	rs72851580	T	A	-0.376	0.057	0.048	5.71E-11	0.023	0.032	0.484	0.011	42.896	TRUE	1.48E-10
Allergic asthma	RPTOR	cg06975080	rs76315174	G	A	-0.399	0.062	0.054	9.72E-11	-0.004	0.026	0.886	0.011	41.854	TRUE	1.61E-10
Allergic asthma	RPTOR	cg07078467	rs7215994	G	A	-0.153	0.024	0.333	3.97E-10	-0.003	0.015	0.857	0.010	39.107	TRUE	6.55E-10
Allergic asthma	RPTOR	cg07081946	rs3751940	T	C	0.204	0.024	0.391	2.04E-17	-0.012	0.014	0.380	0.019	72.062	TRUE	1.07E-16
Allergic asthma	RPTOR	cg07126783	rs114177791	T	G	0.179	0.029	0.215	3.75E-10	0.014	0.017	0.411	0.010	39.219	TRUE	1.00E-09
Allergic asthma	RPTOR	cg07126783	rs4969426	A	T	0.177	0.024	0.375	1.16E-13	0.011	0.014	0.411	0.015	55.039	TRUE	4.16E-13
Allergic asthma	RPTOR	cg07126783	rs67583258	T	C	0.276	0.027	0.249	6.61E-24	0.026	0.015	0.081	0.027	101.599	TRUE	1.75E-22
Allergic asthma	RPTOR	cg07126783	rs7217174	T	C	-0.252	0.029	0.201	1.21E-17	0.012	0.019	0.516	0.019	73.101	TRUE	5.11E-17
Allergic asthma	RPTOR	cg07126783	rs72853774	G	T	0.189	0.034	0.138	2.89E-08	0.039	0.018	0.028	0.008	30.764	TRUE	1.62E-07
Allergic asthma	RPTOR	cg07126783	rs75747760	T	C	-0.349	0.041	0.088	3.41E-17	0.020	0.027	0.467	0.019	71.051	TRUE	1.51E-16
Allergic asthma	RPTOR	cg07434008	rs35612742	C	A	-0.195	0.028	0.225	4.46E-12	0.003	0.015	0.862	0.013	47.885	TRUE	8.20E-12
Allergic asthma	RPTOR	cg07434008	rs3751938	C	T	0.189	0.025	0.326	4.65E-14	-0.011	0.014	0.432	0.015	56.841	TRUE	1.67E-13
Allergic asthma	RPTOR	cg07434008	rs62068550	A	G	0.238	0.034	0.143	2.97E-12	0.027	0.021	0.204	0.013	48.679	TRUE	1.37E-11
Allergic asthma	RPTOR	cg07434008	rs6565484	C	T	-0.415	0.022	0.485	3.71E-77	0.021	0.014	0.121	0.085	345.486	TRUE	2.14E-72
Allergic asthma	RPTOR	cg07786220	rs118107399	T	C	0.892	0.149	0.014	1.96E-09	0.016	0.082	0.846	0.010	35.991	TRUE	3.15E-09
Allergic asthma	RPTOR	cg07786220	rs146082177	A	G	0.447	0.082	0.023	4.97E-08	0.053	0.038	0.163	0.008	29.713	TRUE	1.61E-07
Allergic asthma	RPTOR	cg07786220	rs1471791	A	G	0.692	0.029	0.199	1.87E-129	0.014	0.020	0.483	0.137	585.669	TRUE	1.33E-120
Allergic asthma	RPTOR	cg07786220	rs4969429	A	G	0.204	0.026	0.273	1.12E-14	0.029	0.015	0.060	0.016	59.636	TRUE	1.14E-13
Allergic asthma	RPTOR	cg07786220	rs55735336	T	C	-0.216	0.037	0.114	5.68E-09	-0.030	0.021	0.151	0.009	33.923	TRUE	2.10E-08
Allergic asthma	RPTOR	cg07786220	rs62067893	T	C	-0.397	0.070	0.037	1.21E-08	0.080	0.041	0.052	0.009	32.450	TRUE	6.05E-08
Allergic asthma	RPTOR	cg07786220	rs62069404	T	C	0.355	0.055	0.051	1.18E-10	-0.024	0.028	0.387	0.011	41.467	TRUE	3.41E-10
Allergic asthma	RPTOR	cg07786220	rs7207843	C	T	-0.220	0.029	0.204	6.08E-14	0.033	0.017	0.056	0.015	56.314	TRUE	5.80E-13

Allergic asthma	RPTOR	cg07786220	rs72856006	G	C	-0.263	0.036	0.120	2.45E-13	0.038	0.019	0.042	0.014	53.579	TRUE	2.41E-12
Allergic asthma	RPTOR	cg07786220	rs74003912	A	G	0.190	0.030	0.199	1.54E-10	-0.017	0.019	0.373	0.011	40.952	TRUE	4.48E-10
Allergic asthma	RPTOR	cg07786220	rs9894401	A	G	-0.303	0.027	0.255	8.17E-29	0.022	0.015	0.140	0.032	123.993	TRUE	2.77E-27
Allergic asthma	RPTOR	cg08314949	rs113714895	T	C	0.290	0.043	0.080	1.19E-11	-0.003	0.025	0.911	0.012	45.968	TRUE	2.02E-11
Allergic asthma	RPTOR	cg08314949	rs118120008	A	G	-0.578	0.104	0.013	2.78E-08	0.000	0.059	1.000	0.008	30.835	TRUE	3.68E-08
Allergic asthma	RPTOR	cg08314949	rs12939768	T	A	-1.166	0.020	0.226	<1E-200	0.031	0.016	0.045	0.471	3298.895	TRUE	<1E-200
Allergic asthma	RPTOR	cg08314949	rs142546211	A	G	-0.756	0.109	0.019	3.24E-12	0.050	0.055	0.360	0.013	48.513	TRUE	1.11E-11
Allergic asthma	RPTOR	cg08314949	rs183036865	A	G	0.495	0.056	0.041	1.48E-18	0.003	0.034	0.942	0.020	77.249	TRUE	3.71E-18
Allergic asthma	RPTOR	cg08314949	rs183706698	C	T	0.777	0.026	0.218	8.95E-193	-0.007	0.017	0.673	0.192	876.710	TRUE	4.02E-176
Allergic asthma	RPTOR	cg08314949	rs2289764	C	T	-0.261	0.027	0.241	2.28E-21	0.016	0.015	0.296	0.024	90.040	TRUE	2.06E-20
Allergic asthma	RPTOR	cg08314949	rs4969219	G	T	-0.134	0.024	0.388	3.07E-08	-0.013	0.014	0.364	0.008	30.647	TRUE	7.40E-08
Allergic asthma	RPTOR	cg08314949	rs62075432	A	G	-0.154	0.027	0.261	1.44E-08	0.022	0.016	0.165	0.009	32.116	TRUE	4.92E-08
Allergic asthma	RPTOR	cg08314949	rs72850524	T	C	0.484	0.064	0.037	3.26E-14	0.005	0.044	0.909	0.015	57.539	TRUE	6.48E-14
Allergic asthma	RPTOR	cg08314949	rs72859646	T	C	-0.889	0.068	0.026	2.55E-39	0.023	0.030	0.437	0.044	172.025	TRUE	1.10E-37
Allergic asthma	RPTOR	cg08314949	rs76300060	G	A	-0.272	0.047	0.065	1.04E-08	0.038	0.032	0.228	0.009	32.744	TRUE	3.20E-08
Allergic asthma	RPTOR	cg08314949	rs9905501	T	C	0.257	0.025	0.341	4.45E-25	-0.011	0.014	0.431	0.028	106.942	TRUE	4.28E-24
Allergic asthma	RPTOR	cg08329754	rs11150745	G	A	-0.324	0.025	0.314	4.06E-38	0.000	0.015	0.976	0.043	166.524	TRUE	4.94E-37
Allergic asthma	RPTOR	cg08329754	rs12943620	T	G	-0.178	0.027	0.225	5.13E-11	-0.025	0.017	0.147	0.012	43.105	TRUE	2.39E-10
Allergic asthma	RPTOR	cg08329754	rs7210110	A	G	-0.357	0.029	0.200	4.54E-34	0.011	0.019	0.562	0.038	148.005	TRUE	8.19E-33
Allergic asthma	RPTOR	cg08329754	rs77420162	A	G	-0.352	0.062	0.040	1.50E-08	-0.031	0.042	0.469	0.009	32.031	TRUE	3.29E-08
Allergic asthma	RPTOR	cg08329754	rs8080789	A	G	0.532	0.036	0.118	1.55E-48	-0.034	0.024	0.162	0.055	214.226	TRUE	6.02E-46
Allergic asthma	RPTOR	cg08454507	rs11651724	A	G	-0.317	0.037	0.117	9.32E-18	0.044	0.018	0.015	0.020	73.612	TRUE	2.37E-16
Allergic asthma	RPTOR	cg08454507	rs117209908	A	G	-0.467	0.050	0.059	1.68E-20	-0.007	0.031	0.832	0.023	86.086	TRUE	5.63E-20
Allergic asthma	RPTOR	cg08454507	rs117620031	C	T	-0.558	0.101	0.014	3.85E-08	0.006	0.072	0.931	0.008	30.209	TRUE	5.35E-08
Allergic asthma	RPTOR	cg08454507	rs118107399	T	C	1.290	0.148	0.014	2.51E-18	0.016	0.082	0.846	0.020	76.200	TRUE	7.04E-18
Allergic asthma	RPTOR	cg08454507	rs11869626	C	A	0.151	0.023	0.476	1.01E-10	0.000	0.013	0.980	0.011	41.776	TRUE	1.53E-10
Allergic asthma	RPTOR	cg08454507	rs12945810	T	C	0.373	0.023	0.413	2.48E-57	-0.017	0.014	0.233	0.064	254.542	TRUE	2.44E-54
Allergic asthma	RPTOR	cg08454507	rs2004184	C	T	-0.162	0.026	0.265	6.71E-10	0.000	0.015	0.977	0.010	38.082	TRUE	9.78E-10
Allergic asthma	RPTOR	cg08454507	rs35904260	G	A	0.297	0.023	0.445	3.10E-37	-0.008	0.014	0.574	0.042	162.482	TRUE	7.65E-36
Allergic asthma	RPTOR	cg08454507	rs62067893	T	C	-0.572	0.069	0.037	1.63E-16	0.080	0.041	0.052	0.018	67.973	TRUE	2.18E-15
Allergic asthma	RPTOR	cg08454507	rs72856013	A	G	-0.403	0.036	0.120	1.96E-29	0.038	0.019	0.042	0.033	126.827	TRUE	1.47E-27
Allergic asthma	RPTOR	cg08454507	rs72858219	A	G	-0.379	0.028	0.212	1.13E-40	0.008	0.018	0.656	0.046	178.221	TRUE	3.41E-39
Allergic asthma	RPTOR	cg08454507	rs8080789	A	G	1.021	0.035	0.118	9.62E-190	-0.034	0.024	0.162	0.189	862.774	TRUE	3.98E-172
Allergic asthma	RPTOR	cg08454507	rs9911979	A	G	-0.695	0.026	0.249	8.73E-155	0.026	0.015	0.079	0.160	702.079	TRUE	1.48E-141
Allergic asthma	RPTOR	cg08939850	rs11150745	G	A	-0.255	0.025	0.314	4.99E-24	0.000	0.015	0.976	0.027	102.156	TRUE	1.76E-23
Allergic asthma	RPTOR	cg08939850	rs114177791	T	G	0.173	0.028	0.215	1.16E-09	0.014	0.017	0.411	0.010	37.016	TRUE	2.97E-09
Allergic asthma	RPTOR	cg08939850	rs138464941	C	T	0.366	0.066	0.028	3.53E-08	-0.029	0.034	0.385	0.008	30.374	TRUE	8.26E-08
Allergic asthma	RPTOR	cg08939850	rs4969429	A	G	0.160	0.026	0.273	1.42E-09	0.029	0.015	0.060	0.010	36.627	TRUE	7.64E-09
Allergic asthma	RPTOR	cg08939850	rs62070202	T	C	-0.230	0.042	0.079	4.54E-08	0.050	0.027	0.063	0.008	29.889	TRUE	1.99E-07
Allergic asthma	RPTOR	cg08939850	rs7217174	T	C	-0.317	0.029	0.201	3.03E-27	0.012	0.019	0.516	0.031	116.831	TRUE	3.02E-26
Allergic asthma	RPTOR	cg09001356	rs11150745	G	A	-0.292	0.025	0.314	3.04E-31	0.000	0.015	0.976	0.035	135.091	TRUE	1.94E-30
Allergic asthma	RPTOR	cg09001356	rs35926934	A	G	0.364	0.037	0.117	3.88E-23	0.034	0.024	0.160	0.026	98.098	TRUE	6.32E-22

Allergic asthma	RPTOR	cg09001356	rs62070202	T	C	-0.331	0.042	0.079	2.37E-15	0.050	0.027	0.063	0.017	62.694	TRUE	2.55E-14
Allergic asthma	RPTOR	cg09001356	rs7210110	A	G	-0.430	0.029	0.200	4.56E-49	0.011	0.019	0.562	0.055	216.664	TRUE	4.73E-47
Allergic asthma	RPTOR	cg09175325	rs35904260	G	A	0.138	0.023	0.445	3.90E-09	-0.008	0.014	0.574	0.009	34.657	TRUE	7.97E-09
Allergic asthma	RPTOR	cg09175325	rs62067239	T	C	-0.284	0.041	0.090	3.88E-12	0.023	0.027	0.390	0.013	48.157	TRUE	1.26E-11
Allergic asthma	RPTOR	cg09175325	rs7212125	G	A	0.241	0.037	0.120	4.58E-11	-0.012	0.027	0.658	0.012	43.324	TRUE	9.81E-11
Allergic asthma	RPTOR	cg09175325	rs9904611	A	G	-0.211	0.027	0.254	8.38E-15	0.000	0.017	0.982	0.016	60.211	TRUE	1.58E-14
Allergic asthma	RPTOR	cg09516200	rs10468603	C	T	0.198	0.024	0.413	1.70E-16	0.013	0.014	0.345	0.018	67.885	TRUE	8.72E-16
Allergic asthma	RPTOR	cg09516200	rs11150746	G	A	0.218	0.025	0.332	2.16E-18	0.031	0.014	0.030	0.020	76.495	TRUE	4.61E-17
Allergic asthma	RPTOR	cg09516200	rs4072746	T	C	-0.236	0.038	0.115	6.28E-10	0.041	0.017	0.018	0.010	38.211	TRUE	5.03E-09
Allergic asthma	RPTOR	cg09516200	rs4516281	T	C	-0.375	0.044	0.076	1.88E-17	-0.038	0.029	0.193	0.019	72.223	TRUE	1.51E-16
Allergic asthma	RPTOR	cg09516200	rs4522458	T	C	-0.176	0.027	0.238	1.35E-10	-0.008	0.015	0.578	0.011	41.211	TRUE	3.06E-10
Allergic asthma	RPTOR	cg09516200	rs4969404	T	C	-0.338	0.024	0.402	1.34E-45	-0.001	0.014	0.949	0.051	200.778	TRUE	3.82E-44
Allergic asthma	RPTOR	cg09592546	rs118107399	T	C	-1.409	0.147	0.014	1.23E-21	0.016	0.082	0.846	0.024	91.257	TRUE	4.39E-21
Allergic asthma	RPTOR	cg09592546	rs144987811	A	G	-1.082	0.186	0.010	6.40E-09	0.037	0.145	0.799	0.009	33.692	TRUE	1.04E-08
Allergic asthma	RPTOR	cg09592546	rs2019040	A	T	0.205	0.033	0.133	6.17E-10	-0.030	0.019	0.115	0.010	38.248	TRUE	2.79E-09
Allergic asthma	RPTOR	cg09592546	rs2672871	C	G	0.186	0.030	0.187	6.46E-10	-0.017	0.021	0.414	0.010	38.156	TRUE	1.69E-09
Allergic asthma	RPTOR	cg09592546	rs2672901	T	C	-0.390	0.024	0.353	3.15E-58	-0.003	0.014	0.821	0.065	258.652	TRUE	5.85E-56
Allergic asthma	RPTOR	cg09592546	rs4889782	C	T	-0.349	0.024	0.402	3.55E-47	0.005	0.014	0.703	0.053	207.998	TRUE	2.07E-45
Allergic asthma	RPTOR	cg09592546	rs57677341	G	A	-1.126	0.030	0.137	<1E-200	0.001	0.022	0.967	0.278	1422.024	TRUE	4.11E-274
Allergic asthma	RPTOR	cg09592546	rs72853757	C	T	0.208	0.033	0.146	3.72E-10	0.040	0.018	0.025	0.010	39.236	TRUE	2.82E-09
Allergic asthma	RPTOR	cg09592546	rs74002861	C	A	0.262	0.043	0.078	1.54E-09	-0.013	0.020	0.520	0.010	36.462	TRUE	3.44E-09
Allergic asthma	RPTOR	cg09592546	rs8069962	G	A	-0.320	0.023	0.471	6.24E-44	0.016	0.014	0.238	0.050	193.134	TRUE	9.01E-42
Allergic asthma	RPTOR	cg09592546	rs8079537	G	A	-0.399	0.023	0.443	3.36E-67	-0.008	0.014	0.559	0.075	299.800	TRUE	4.71E-64
Allergic asthma	RPTOR	cg09596252	rs112401820	A	G	-0.451	0.069	0.065	4.48E-11	-0.038	0.027	0.165	0.012	43.369	TRUE	2.00E-10
Allergic asthma	RPTOR	cg09596252	rs139980334	C	T	0.263	0.047	0.065	1.70E-08	0.043	0.029	0.140	0.009	31.798	TRUE	6.09E-08
Allergic asthma	RPTOR	cg09596252	rs34713877	A	G	0.563	0.091	0.036	6.86E-10	0.033	0.045	0.461	0.010	38.040	TRUE	1.68E-09
Allergic asthma	RPTOR	cg09596252	rs4890056	C	T	0.211	0.022	0.447	5.90E-21	-0.006	0.014	0.665	0.023	88.156	TRUE	2.61E-20
Allergic asthma	RPTOR	cg09794615	rs2271607	C	T	0.486	0.028	0.220	1.79E-65	0.003	0.016	0.823	0.073	291.882	TRUE	9.34E-63
Allergic asthma	RPTOR	cg09794615	rs2340773	T	C	-0.229	0.037	0.116	8.92E-10	-0.034	0.024	0.160	0.010	37.528	TRUE	3.52E-09
Allergic asthma	RPTOR	cg09794615	rs55833830	A	C	-0.208	0.028	0.235	1.90E-13	-0.004	0.016	0.783	0.014	54.081	TRUE	4.13E-13
Allergic asthma	RPTOR	cg09794615	rs7502001	G	T	-0.295	0.034	0.132	5.37E-18	0.029	0.019	0.124	0.020	74.700	TRUE	5.75E-17
Allergic asthma	RPTOR	cg09803959	rs11868966	C	A	1.035	0.028	0.167	1.73E-302	0.010	0.019	0.586	0.273	1385.829	TRUE	5.75E-267
Allergic asthma	RPTOR	cg09803959	rs12603933	G	A	-0.136	0.024	0.467	8.70E-09	-0.006	0.014	0.632	0.009	33.095	TRUE	1.64E-08
Allergic asthma	RPTOR	cg09803959	rs143673290	A	G	0.539	0.089	0.039	1.36E-09	0.037	0.049	0.454	0.010	36.700	TRUE	3.30E-09
Allergic asthma	RPTOR	cg09803959	rs149099062	A	G	0.978	0.140	0.015	2.40E-12	0.183	0.091	0.045	0.013	49.096	TRUE	2.02E-11
Allergic asthma	RPTOR	cg09803959	rs56273414	C	T	0.213	0.033	0.146	1.40E-10	0.040	0.018	0.025	0.011	41.148	TRUE	1.12E-09
Allergic asthma	RPTOR	cg09803959	rs62068487	A	G	-0.263	0.025	0.319	1.75E-25	-0.021	0.015	0.160	0.029	108.794	TRUE	3.70E-24
Allergic asthma	RPTOR	cg09803959	rs7225916	G	T	0.157	0.026	0.272	2.95E-09	-0.002	0.016	0.915	0.009	35.201	TRUE	4.40E-09
Allergic asthma	RPTOR	cg09803959	rs72850551	A	G	0.448	0.065	0.036	7.28E-12	-0.028	0.037	0.457	0.013	46.925	TRUE	2.10E-11
Allergic asthma	RPTOR	cg09803959	rs7502841	A	G	0.321	0.027	0.232	1.03E-31	0.019	0.017	0.251	0.036	137.248	TRUE	3.15E-30
Allergic asthma	RPTOR	cg09803959	rs77183052	A	G	0.941	0.170	0.012	3.18E-08	0.016	0.031	0.598	0.008	30.581	TRUE	5.95E-08
Allergic asthma	RPTOR	cg09929238	rs138537551	T	C	-0.309	0.045	0.070	6.90E-12	-0.050	0.031	0.113	0.013	47.030	TRUE	3.93E-11

Allergic asthma	RPTOR	cg09929238	rs1567961	C	T	-0.160	0.024	0.392	1.61E-11	0.020	0.014	0.156	0.012	45.365	TRUE	7.75E-11
Allergic asthma	RPTOR	cg09929238	rs62068268	T	C	-0.363	0.041	0.090	9.76E-19	0.026	0.027	0.330	0.021	78.065	TRUE	6.34E-18
Allergic asthma	RPTOR	cg09929238	rs62070201	A	G	0.341	0.044	0.069	7.02E-15	-0.018	0.029	0.535	0.016	60.559	TRUE	2.32E-14
Allergic asthma	RPTOR	cg09929238	rs8076974	G	A	0.447	0.026	0.263	4.60E-64	0.009	0.014	0.512	0.072	285.410	TRUE	4.57E-61
Allergic asthma	RPTOR	cg09929238	rs9890103	C	G	-0.164	0.024	0.353	2.47E-11	0.014	0.014	0.326	0.012	44.531	TRUE	8.26E-11
Allergic asthma	RPTOR	cg09977718	rs113059224	A	G	-0.261	0.043	0.070	1.36E-09	-0.012	0.023	0.606	0.010	36.707	TRUE	2.78E-09
Allergic asthma	RPTOR	cg09977718	rs113714895	T	C	-0.387	0.043	0.080	1.24E-19	-0.003	0.025	0.911	0.022	82.141	TRUE	3.49E-19
Allergic asthma	RPTOR	cg09977718	rs12103906	T	C	0.211	0.024	0.419	1.20E-18	0.000	0.014	0.989	0.021	77.652	TRUE	2.86E-18
Allergic asthma	RPTOR	cg09977718	rs12602601	T	G	0.335	0.025	0.309	6.92E-41	-0.015	0.015	0.313	0.046	179.194	TRUE	5.15E-39
Allergic asthma	RPTOR	cg09977718	rs183036865	A	G	-0.351	0.056	0.041	4.78E-10	0.003	0.034	0.942	0.010	38.744	TRUE	7.25E-10
Allergic asthma	RPTOR	cg09977718	rs2289762	A	G	-0.772	0.025	0.245	5.15E-205	-0.006	0.016	0.701	0.201	932.985	TRUE	1.42E-186
Allergic asthma	RPTOR	cg09977718	rs2289764	C	T	0.265	0.027	0.241	4.61E-22	0.016	0.015	0.296	0.025	93.198	TRUE	4.46E-21
Allergic asthma	RPTOR	cg09977718	rs36022926	T	A	0.163	0.027	0.250	1.47E-09	0.034	0.014	0.018	0.010	36.560	TRUE	1.11E-08
Allergic asthma	RPTOR	cg09977718	rs60323363	A	G	-0.174	0.024	0.412	1.56E-13	-0.010	0.014	0.492	0.015	54.464	TRUE	4.90E-13
Allergic asthma	RPTOR	cg09977718	rs72850524	T	C	-0.363	0.064	0.037	1.32E-08	0.005	0.044	0.909	0.009	32.283	TRUE	1.92E-08
Allergic asthma	RPTOR	cg09977718	rs9897319	A	G	-0.304	0.025	0.354	3.93E-34	-0.010	0.014	0.493	0.039	148.296	TRUE	8.26E-33
Allergic asthma	RPTOR	cg10035831	rs11548824	A	G	-0.235	0.034	0.154	2.64E-12	-0.020	0.019	0.295	0.013	48.914	TRUE	1.01E-11
Allergic asthma	RPTOR	cg10035831	rs11656061	A	G	-0.541	0.023	0.436	8.92E-122	-0.017	0.014	0.234	0.130	550.388	TRUE	3.51E-113
Allergic asthma	RPTOR	cg10035831	rs11658145	C	T	0.162	0.027	0.246	2.05E-09	-0.017	0.016	0.282	0.010	35.906	TRUE	6.16E-09
Allergic asthma	RPTOR	cg10035831	rs11869318	C	T	0.146	0.024	0.470	6.63E-10	-0.011	0.014	0.406	0.010	38.106	TRUE	1.74E-09
Allergic asthma	RPTOR	cg10035831	rs12936701	C	A	0.418	0.039	0.105	2.16E-27	0.028	0.021	0.179	0.031	117.498	TRUE	5.27E-26
Allergic asthma	RPTOR	cg10035831	rs13341621	A	G	0.570	0.050	0.080	1.50E-30	-0.018	0.028	0.535	0.034	131.925	TRUE	1.99E-29
Allergic asthma	RPTOR	cg10035831	rs149099062	A	G	1.065	0.139	0.015	2.24E-14	0.183	0.091	0.045	0.016	58.275	TRUE	2.44E-13
Allergic asthma	RPTOR	cg10035831	rs2289766	G	A	1.063	0.027	0.167	<1E-200	0.007	0.019	0.718	0.288	1499.193	TRUE	1.01E-286
Allergic asthma	RPTOR	cg10035831	rs4969236	C	T	-0.281	0.023	0.495	2.77E-33	-0.014	0.014	0.308	0.038	144.414	TRUE	8.52E-32
Allergic asthma	RPTOR	cg10035831	rs62068550	A	G	-0.218	0.035	0.143	3.42E-10	0.027	0.021	0.204	0.011	39.397	TRUE	1.28E-09
Allergic asthma	RPTOR	cg10035831	rs66463810	A	G	-0.160	0.025	0.340	1.00E-10	-0.002	0.014	0.906	0.011	41.790	TRUE	1.64E-10
Allergic asthma	RPTOR	cg10035831	rs7220687	C	T	0.236	0.026	0.289	6.70E-20	0.020	0.016	0.210	0.022	83.356	TRUE	6.53E-19
Allergic asthma	RPTOR	cg10035831	rs72853711	C	T	0.211	0.037	0.115	1.07E-08	0.036	0.022	0.102	0.009	32.686	TRUE	4.39E-08
Allergic asthma	RPTOR	cg10035831	rs7502321	C	T	0.197	0.024	0.386	2.18E-16	0.003	0.014	0.855	0.018	67.395	TRUE	5.30E-16
Allergic asthma	RPTOR	cg10281768	rs10468603	C	T	-0.409	0.024	0.413	3.70E-67	0.013	0.014	0.345	0.075	299.606	TRUE	1.06E-63
Allergic asthma	RPTOR	cg10281768	rs117635805	T	A	0.337	0.042	0.083	1.00E-15	-0.040	0.029	0.162	0.017	64.396	TRUE	7.32E-15
Allergic asthma	RPTOR	cg10281768	rs118065301	A	G	0.732	0.109	0.026	2.17E-11	-0.060	0.053	0.254	0.012	44.782	TRUE	8.26E-11
Allergic asthma	RPTOR	cg10281768	rs12936509	G	A	0.337	0.040	0.092	2.09E-17	0.019	0.026	0.457	0.019	72.019	TRUE	9.54E-17
Allergic asthma	RPTOR	cg10281768	rs4969429	A	G	-0.240	0.026	0.273	7.22E-20	0.029	0.015	0.060	0.022	83.209	TRUE	1.37E-18
Allergic asthma	RPTOR	cg10281768	rs62068358	G	A	-0.263	0.041	0.092	1.45E-10	0.033	0.027	0.227	0.011	41.075	TRUE	5.36E-10
Allergic asthma	RPTOR	cg10281768	rs74002883	T	G	-0.222	0.031	0.173	6.18E-13	0.023	0.016	0.160	0.014	51.761	TRUE	3.41E-12
Allergic asthma	RPTOR	cg10281768	rs746405	G	T	-0.146	0.024	0.418	1.16E-09	-0.010	0.014	0.473	0.010	37.020	TRUE	2.75E-09
Allergic asthma	RPTOR	cg10281768	rs9893680	G	T	-0.198	0.024	0.383	2.56E-16	0.023	0.014	0.112	0.018	67.080	TRUE	2.39E-15
Allergic asthma	RPTOR	cg10490202	rs1045626	T	C	-0.213	0.024	0.467	2.26E-19	-0.006	0.014	0.643	0.021	80.952	TRUE	9.09E-19
Allergic asthma	RPTOR	cg10490202	rs113714895	T	C	-0.265	0.043	0.080	5.09E-10	-0.003	0.025	0.911	0.010	38.621	TRUE	7.94E-10
Allergic asthma	RPTOR	cg10490202	rs11656246	A	G	-0.466	0.026	0.241	4.27E-70	-0.007	0.017	0.667	0.078	313.086	TRUE	6.93E-67

Allergic asthma	RPTOR	cg10490202	rs2289764	C	T	0.359	0.027	0.241	1.03E-39	0.016	0.015	0.296	0.045	173.834	TRUE	7.00E-38
Allergic asthma	RPTOR	cg10490202	rs908236	C	G	0.277	0.025	0.351	1.39E-29	0.019	0.014	0.177	0.033	127.511	TRUE	4.38E-28
Allergic asthma	RPTOR	cg10508138	rs1012117	A	G	-0.310	0.025	0.313	1.27E-36	0.004	0.015	0.775	0.041	159.683	TRUE	1.95E-35
Allergic asthma	RPTOR	cg10508138	rs113714895	T	C	-0.236	0.042	0.080	2.18E-08	-0.003	0.025	0.911	0.008	31.313	TRUE	3.12E-08
Allergic asthma	RPTOR	cg10538214	rs112661218	A	C	-0.373	0.027	0.221	7.37E-42	0.016	0.016	0.307	0.047	183.645	TRUE	6.33E-40
Allergic asthma	RPTOR	cg10538214	rs2271612	C	T	-0.145	0.023	0.480	5.97E-10	0.005	0.014	0.709	0.010	38.311	TRUE	1.13E-09
Allergic asthma	RPTOR	cg10585621	rs9909563	T	A	-0.196	0.027	0.269	3.21E-13	0.053	0.015	3.45E-04	0.014	53.049	TRUE	1.12E-11
Allergic asthma	RPTOR	cg10693767	rs72852801	A	G	0.257	0.044	0.076	5.11E-09	0.080	0.027	0.003	0.009	34.130	TRUE	5.33E-08
Allergic asthma	RPTOR	cg10693767	rs9890864	G	A	-0.211	0.030	0.189	2.63E-12	0.030	0.016	0.054	0.013	48.917	TRUE	2.07E-11
Allergic asthma	RPTOR	cg10752731	rs11868966	C	A	-0.178	0.032	0.167	2.08E-08	0.010	0.019	0.586	0.008	31.404	TRUE	3.99E-08
Allergic asthma	RPTOR	cg10752731	rs138099755	A	G	-0.977	0.161	0.012	1.31E-09	0.084	0.083	0.308	0.010	36.785	TRUE	3.84E-09
Allergic asthma	RPTOR	cg10752731	rs571430539	C	T	-1.496	0.082	0.022	3.00E-74	0.004	0.045	0.926	0.082	332.140	TRUE	4.71E-71
Allergic asthma	RPTOR	cg10752731	rs7220687	C	T	-0.170	0.026	0.289	5.87E-11	0.020	0.016	0.210	0.011	42.841	TRUE	2.33E-10
Allergic asthma	RPTOR	cg10880603	rs4969293	A	T	0.198	0.028	0.211	2.52E-12	0.018	0.016	0.255	0.013	49.005	TRUE	1.05E-11
Allergic asthma	RPTOR	cg11153071	rs2291360	A	G	0.325	0.025	0.367	1.18E-39	0.011	0.014	0.448	0.045	173.552	TRUE	5.16E-38
Allergic asthma	RPTOR	cg11153071	rs62069685	C	G	-0.319	0.041	0.091	8.37E-15	0.036	0.027	0.187	0.016	60.214	TRUE	5.19E-14
Allergic asthma	RPTOR	cg11153071	rs7209452	A	G	0.185	0.029	0.203	1.91E-10	-0.008	0.018	0.674	0.011	40.535	TRUE	3.86E-10
Allergic asthma	RPTOR	cg11222173	rs2291360	A	G	0.300	0.025	0.367	4.84E-34	0.011	0.014	0.448	0.038	147.882	TRUE	1.12E-32
Allergic asthma	RPTOR	cg11303920	rs12951739	T	G	0.255	0.023	0.455	5.39E-28	0.000	0.014	0.990	0.031	120.253	TRUE	2.54E-27
Allergic asthma	RPTOR	cg11303920	rs4889881	C	T	-0.323	0.037	0.114	3.64E-18	-0.014	0.028	0.620	0.020	75.468	TRUE	1.37E-17
Allergic asthma	RPTOR	cg11476241	rs11656246	A	G	-0.347	0.027	0.241	8.96E-39	-0.007	0.017	0.667	0.044	169.528	TRUE	2.14E-37
Allergic asthma	RPTOR	cg11476241	rs149099062	A	G	0.929	0.140	0.015	3.00E-11	0.183	0.091	0.045	0.012	44.153	TRUE	2.20E-10
Allergic asthma	RPTOR	cg11476241	rs2280146	G	A	0.872	0.025	0.218	2.58E-275	0.018	0.016	0.250	0.254	1256.256	TRUE	2.27E-243
Allergic asthma	RPTOR	cg11476241	rs56273414	C	T	0.194	0.033	0.146	5.05E-09	0.040	0.018	0.025	0.009	34.153	TRUE	3.25E-08
Allergic asthma	RPTOR	cg11476241	rs62068550	A	G	-0.229	0.035	0.143	4.22E-11	0.027	0.021	0.204	0.012	43.487	TRUE	1.72E-10
Allergic asthma	RPTOR	cg11476241	rs66485222	A	G	0.490	0.067	0.035	2.25E-13	-0.019	0.042	0.661	0.014	53.747	TRUE	5.62E-13
Allergic asthma	RPTOR	cg11476241	rs7220687	C	T	0.355	0.026	0.289	1.87E-43	0.020	0.016	0.210	0.049	190.950	TRUE	2.85E-41
Allergic asthma	RPTOR	cg11476241	rs72859646	T	C	0.536	0.068	0.026	4.27E-15	0.023	0.030	0.437	0.016	61.539	TRUE	1.66E-14
Allergic asthma	RPTOR	cg11476241	rs8071514	C	A	0.149	0.024	0.453	3.03E-10	0.013	0.014	0.330	0.011	39.636	TRUE	9.12E-10
Allergic asthma	RPTOR	cg11499091	rs2589138	T	C	-0.342	0.028	0.230	1.43E-34	0.000	0.016	0.996	0.039	150.298	TRUE	1.19E-33
Allergic asthma	RPTOR	cg11499091	rs35524093	G	A	0.163	0.025	0.342	2.93E-11	-0.016	0.015	0.279	0.012	44.201	TRUE	1.05E-10
Allergic asthma	RPTOR	cg11499091	rs72851580	T	A	-0.369	0.057	0.048	1.28E-10	0.023	0.032	0.484	0.011	41.324	TRUE	3.23E-10
Allergic asthma	RPTOR	cg11499091	rs8071397	A	G	0.150	0.025	0.333	3.78E-09	0.006	0.014	0.699	0.009	34.715	TRUE	6.84E-09
Allergic asthma	RPTOR	cg11637695	rs12944497	T	C	-0.253	0.024	0.406	1.73E-26	-0.015	0.014	0.286	0.030	113.374	TRUE	2.70E-25
Allergic asthma	RPTOR	cg11790527	rs62067889	G	C	0.372	0.029	0.199	8.44E-37	0.012	0.020	0.542	0.042	160.497	TRUE	2.13E-35
Allergic asthma	RPTOR	cg11949518	rs112815991	T	C	0.325	0.044	0.071	9.01E-14	0.010	0.027	0.701	0.015	55.542	TRUE	2.21E-13
Allergic asthma	RPTOR	cg11949518	rs11548824	A	G	0.297	0.034	0.154	7.00E-19	-0.020	0.019	0.295	0.021	78.720	TRUE	4.97E-18
Allergic asthma	RPTOR	cg11949518	rs11655877	C	T	0.195	0.024	0.406	1.71E-16	-0.010	0.014	0.492	0.018	67.873	TRUE	6.84E-16
Allergic asthma	RPTOR	cg11949518	rs138780442	C	A	-0.609	0.107	0.031	1.23E-08	0.085	0.067	0.208	0.009	32.420	TRUE	3.89E-08
Allergic asthma	RPTOR	cg11949518	rs183036865	A	G	0.506	0.056	0.041	2.01E-19	0.003	0.034	0.942	0.021	81.182	TRUE	5.37E-19
Allergic asthma	RPTOR	cg11949518	rs2289760	T	C	0.530	0.026	0.249	1.39E-94	-0.008	0.016	0.620	0.103	425.487	TRUE	2.14E-89
Allergic asthma	RPTOR	cg11949518	rs34410650	G	A	0.274	0.027	0.239	1.54E-23	0.031	0.015	0.040	0.026	99.926	TRUE	5.54E-22

Allergic asthma	RPTOR	cg11949518	rs3751934	A	C	0.397	0.024	0.401	2.09E-62	-0.008	0.014	0.572	0.070	277.814	TRUE	1.35E-59
Allergic asthma	RPTOR	cg11949518	rs4073045	C	G	-0.324	0.053	0.045	1.28E-09	-0.063	0.026	0.014	0.010	36.830	TRUE	1.04E-08
Allergic asthma	RPTOR	cg11949518	rs4969229	T	C	-0.801	0.080	0.050	1.75E-23	-0.012	0.044	0.781	0.026	99.669	TRUE	7.96E-23
Allergic asthma	RPTOR	cg11949518	rs4969231	T	C	-0.699	0.024	0.314	3.45E-180	0.003	0.015	0.828	0.181	818.847	TRUE	1.24E-165
Allergic asthma	RPTOR	cg11949518	rs55803650	A	C	0.521	0.092	0.017	1.71E-08	0.009	0.046	0.840	0.009	31.779	TRUE	2.62E-08
Allergic asthma	RPTOR	cg11949518	rs56960771	T	C	0.243	0.025	0.310	4.90E-22	0.003	0.014	0.843	0.025	93.079	TRUE	1.81E-21
Allergic asthma	RPTOR	cg11949518	rs6565491	C	T	-0.705	0.033	0.132	1.22E-99	0.029	0.019	0.126	0.108	448.703	TRUE	6.48E-93
Allergic asthma	RPTOR	cg11949518	rs67198902	G	T	0.218	0.031	0.186	1.37E-12	-0.017	0.018	0.321	0.013	50.196	TRUE	5.17E-12
Allergic asthma	RPTOR	cg11949518	rs7208789	T	C	-0.217	0.039	0.107	2.88E-08	-0.020	0.027	0.447	0.008	30.770	TRUE	6.32E-08
Allergic asthma	RPTOR	cg11949518	rs72850524	T	C	0.398	0.064	0.037	4.31E-10	0.005	0.044	0.909	0.010	38.947	TRUE	6.76E-10
Allergic asthma	RPTOR	cg11949518	rs74004829	C	T	0.372	0.043	0.092	7.91E-18	-0.003	0.021	0.870	0.020	73.934	TRUE	2.08E-17
Allergic asthma	RPTOR	cg11949518	rs868432	A	G	0.888	0.018	0.444	<1E-200	0.010	0.014	0.473	0.392	2389.417	TRUE	<1E-200
Allergic asthma	RPTOR	cg11949518	rs9903399	C	T	0.279	0.041	0.222	6.46E-12	-0.016	0.018	0.367	0.013	47.158	TRUE	2.13E-11
Allergic asthma	RPTOR	cg11949518	rs9915393	G	C	0.703	0.026	0.258	1.37E-165	0.003	0.015	0.816	0.169	751.746	TRUE	5.53E-153
Allergic asthma	RPTOR	cg12078154	rs118120008	A	G	-0.572	0.104	0.013	3.81E-08	0.000	0.059	1.000	0.008	30.230	TRUE	5.00E-08
Allergic asthma	RPTOR	cg12078154	rs12939768	T	A	-1.183	0.020	0.226	<1E-200	0.031	0.016	0.045	0.486	3502.871	TRUE	<1E-200
Allergic asthma	RPTOR	cg12078154	rs142546211	A	G	-0.752	0.109	0.019	4.28E-12	0.050	0.055	0.360	0.013	47.965	TRUE	1.45E-11
Allergic asthma	RPTOR	cg12078154	rs183036865	A	G	0.483	0.056	0.041	8.45E-18	0.003	0.034	0.942	0.020	73.805	TRUE	2.02E-17
Allergic asthma	RPTOR	cg12078154	rs2289764	C	T	-0.264	0.027	0.241	7.99E-22	0.016	0.015	0.296	0.024	92.110	TRUE	7.55E-21
Allergic asthma	RPTOR	cg12078154	rs4969219	G	T	-0.140	0.024	0.388	8.15E-09	-0.013	0.014	0.364	0.009	33.221	TRUE	2.07E-08
Allergic asthma	RPTOR	cg12078154	rs62075432	A	G	-0.152	0.027	0.261	2.16E-08	0.022	0.016	0.165	0.008	31.326	TRUE	7.26E-08
Allergic asthma	RPTOR	cg12078154	rs71368095	A	G	0.709	0.027	0.219	1.56E-155	-0.006	0.016	0.696	0.160	705.520	TRUE	5.30E-144
Allergic asthma	RPTOR	cg12078154	rs72850524	T	C	0.452	0.064	0.037	1.37E-12	0.005	0.044	0.909	0.013	50.203	TRUE	2.47E-12
Allergic asthma	RPTOR	cg12078154	rs72859646	T	C	-0.917	0.068	0.026	7.23E-42	0.023	0.030	0.437	0.047	183.684	TRUE	4.23E-40
Allergic asthma	RPTOR	cg12078154	rs76300060	G	A	-0.268	0.047	0.065	1.73E-08	0.038	0.032	0.228	0.009	31.761	TRUE	5.19E-08
Allergic asthma	RPTOR	cg12078154	rs9905501	T	C	0.284	0.025	0.341	1.84E-30	-0.011	0.014	0.431	0.034	131.514	TRUE	3.04E-29
Allergic asthma	RPTOR	cg12088417	rs117805133	T	C	-0.550	0.089	0.017	5.82E-10	-0.015	0.078	0.844	0.010	38.362	TRUE	9.63E-10
Allergic asthma	RPTOR	cg12088417	rs117865905	C	T	-0.723	0.113	0.024	1.64E-10	0.030	0.078	0.700	0.011	40.838	TRUE	3.23E-10
Allergic asthma	RPTOR	cg12088417	rs118003029	A	G	-0.431	0.055	0.089	2.60E-15	-0.026	0.027	0.335	0.017	62.511	TRUE	1.22E-14
Allergic asthma	RPTOR	cg12088417	rs118099953	T	C	-0.515	0.063	0.036	3.58E-16	-0.005	0.035	0.896	0.018	66.421	TRUE	8.14E-16
Allergic asthma	RPTOR	cg12088417	rs11869826	A	G	-0.709	0.024	0.310	4.00E-192	-0.001	0.014	0.962	0.191	873.720	TRUE	4.12E-176
Allergic asthma	RPTOR	cg12088417	rs12450690	T	G	-0.182	0.026	0.264	4.51E-12	0.013	0.014	0.368	0.013	47.862	TRUE	1.50E-11
Allergic asthma	RPTOR	cg12088417	rs12451164	T	C	0.281	0.027	0.237	3.18E-25	-0.016	0.016	0.319	0.028	107.609	TRUE	3.99E-24
Allergic asthma	RPTOR	cg12088417	rs28364735	C	T	-0.206	0.025	0.280	3.56E-16	0.018	0.015	0.243	0.018	66.431	TRUE	2.19E-15
Allergic asthma	RPTOR	cg12088417	rs34479366	C	T	0.278	0.029	0.198	4.55E-21	0.011	0.020	0.579	0.023	88.673	TRUE	2.32E-20
Allergic asthma	RPTOR	cg12088417	rs35904260	G	A	0.264	0.023	0.445	1.40E-29	-0.008	0.014	0.574	0.033	127.489	TRUE	1.56E-28
Allergic asthma	RPTOR	cg12088417	rs4522458	T	C	-0.161	0.027	0.238	4.36E-09	-0.008	0.015	0.578	0.009	34.435	TRUE	8.86E-09
Allergic asthma	RPTOR	cg12088417	rs4889855	G	A	0.231	0.032	0.162	2.71E-13	-0.007	0.018	0.692	0.014	53.378	TRUE	6.51E-13
Allergic asthma	RPTOR	cg12088417	rs62067893	T	C	-0.624	0.069	0.037	2.28E-19	0.080	0.041	0.052	0.021	80.939	TRUE	4.33E-18
Allergic asthma	RPTOR	cg12088417	rs72856013	A	G	-0.307	0.036	0.120	1.17E-17	0.038	0.019	0.042	0.019	73.160	TRUE	1.97E-16
Allergic asthma	RPTOR	cg12088417	rs74003912	A	G	-0.251	0.030	0.199	1.82E-17	-0.017	0.019	0.373	0.019	72.290	TRUE	9.68E-17
Allergic asthma	RPTOR	cg12088417	rs9909563	T	A	-0.186	0.027	0.269	3.88E-12	0.053	0.015	3.45E-04	0.013	48.156	TRUE	1.11E-10

Allergic asthma	RPTOR	cg12592365	rs719781	A	G	0.210	0.026	0.253	8.83E-16	-0.025	0.016	0.112	0.017	64.640	TRUE	7.79E-15
Allergic asthma	RPTOR	cg12592365	rs9319611	T	A	-0.147	0.025	0.345	2.03E-09	-0.003	0.014	0.830	0.010	35.929	TRUE	3.30E-09
Allergic asthma	RPTOR	cg12654199	rs117736066	G	A	-0.259	0.041	0.088	3.55E-10	-0.047	0.028	0.099	0.011	39.322	TRUE	1.75E-09
Allergic asthma	RPTOR	cg12654199	rs118107399	T	C	0.977	0.148	0.014	4.59E-11	0.016	0.082	0.846	0.012	43.320	TRUE	8.09E-11
Allergic asthma	RPTOR	cg12654199	rs118182693	G	A	-0.363	0.057	0.042	1.39E-10	0.064	0.034	0.058	0.011	41.154	TRUE	8.60E-10
Allergic asthma	RPTOR	cg12654199	rs11870398	T	C	-0.228	0.024	0.387	2.49E-21	-0.008	0.014	0.581	0.024	89.866	TRUE	1.29E-20
Allergic asthma	RPTOR	cg12654199	rs3923310	G	A	0.150	0.025	0.334	1.05E-09	0.005	0.014	0.708	0.010	37.215	TRUE	1.95E-09
Allergic asthma	RPTOR	cg12654199	rs55633095	T	C	-0.236	0.043	0.084	3.08E-08	-0.065	0.026	0.012	0.008	30.640	TRUE	2.11E-07
Allergic asthma	RPTOR	cg12654199	rs62069406	C	T	-0.316	0.055	0.051	1.13E-08	-0.023	0.028	0.406	0.009	32.587	TRUE	2.68E-08
Allergic asthma	RPTOR	cg12654199	rs7208789	T	C	0.681	0.038	0.107	4.13E-71	-0.020	0.027	0.447	0.079	317.736	TRUE	1.57E-67
Allergic asthma	RPTOR	cg12654199	rs7209132	C	T	0.634	0.024	0.365	8.23E-157	0.011	0.014	0.422	0.161	711.389	TRUE	1.42E-144
Allergic asthma	RPTOR	cg12654199	rs8073414	G	A	-0.327	0.025	0.353	3.62E-40	0.017	0.014	0.210	0.045	175.907	TRUE	3.60E-38
Allergic asthma	RPTOR	cg13005428	rs1062935	C	T	-0.443	0.023	0.472	2.32E-81	-0.007	0.014	0.611	0.090	364.782	TRUE	3.01E-77
Allergic asthma	RPTOR	cg13005428	rs113059224	A	G	-0.375	0.043	0.070	3.00E-18	-0.012	0.023	0.606	0.020	75.848	TRUE	1.16E-17
Allergic asthma	RPTOR	cg13005428	rs11548824	A	G	-0.417	0.033	0.154	5.28E-36	-0.020	0.019	0.295	0.041	156.855	TRUE	2.31E-34
Allergic asthma	RPTOR	cg13005428	rs11652514	A	G	0.432	0.077	0.053	1.94E-08	0.028	0.044	0.527	0.008	31.542	TRUE	3.95E-08
Allergic asthma	RPTOR	cg13005428	rs117631786	A	G	0.591	0.087	0.042	1.09E-11	-0.010	0.035	0.770	0.012	46.141	TRUE	2.15E-11
Allergic asthma	RPTOR	cg13005428	rs117763980	T	C	-0.710	0.054	0.043	8.31E-39	-0.005	0.035	0.895	0.044	169.678	TRUE	1.26E-37
Allergic asthma	RPTOR	cg13005428	rs117951413	T	C	-0.191	0.031	0.159	1.42E-09	-0.004	0.020	0.849	0.010	36.622	TRUE	2.29E-09
Allergic asthma	RPTOR	cg13005428	rs200806876	T	C	-0.461	0.050	0.069	3.58E-20	-0.016	0.028	0.581	0.022	84.594	TRUE	1.69E-19
Allergic asthma	RPTOR	cg13005428	rs2271610	G	C	0.443	0.033	0.135	2.74E-40	0.015	0.019	0.421	0.046	176.457	TRUE	1.38E-38
Allergic asthma	RPTOR	cg13005428	rs34206539	C	T	-0.209	0.024	0.442	8.17E-19	-0.005	0.013	0.738	0.021	78.415	TRUE	2.75E-18
Allergic asthma	RPTOR	cg13005428	rs34824166	T	C	0.491	0.068	0.032	6.75E-13	-0.092	0.057	0.104	0.014	51.588	TRUE	4.45E-12
Allergic asthma	RPTOR	cg13005428	rs55980508	A	G	-0.805	0.093	0.017	3.55E-18	0.009	0.046	0.839	0.020	75.516	TRUE	9.94E-18
Allergic asthma	RPTOR	cg13005428	rs61124969	A	G	-1.017	0.019	0.300	<1E-200	0.004	0.015	0.780	0.436	2854.544	TRUE	<1E-200
Allergic asthma	RPTOR	cg13005428	rs62068550	A	G	0.425	0.034	0.143	5.21E-35	0.027	0.021	0.204	0.040	152.307	TRUE	2.80E-33
Allergic asthma	RPTOR	cg13005428	rs6565524	T	C	-0.234	0.040	0.098	7.25E-09	0.020	0.023	0.379	0.009	33.450	TRUE	1.81E-08
Allergic asthma	RPTOR	cg13005428	rs72850524	T	C	-0.747	0.063	0.037	5.07E-32	0.005	0.044	0.909	0.036	138.647	TRUE	3.88E-31
Allergic asthma	RPTOR	cg13005428	rs77734083	A	G	-0.642	0.090	0.018	8.80E-13	-0.039	0.041	0.342	0.014	51.067	TRUE	3.26E-12
Allergic asthma	RPTOR	cg13005428	rs9903399	C	T	-0.493	0.040	0.222	6.98E-35	-0.016	0.018	0.367	0.039	151.724	TRUE	2.18E-33
Allergic asthma	RPTOR	cg13005428	rs9915393	G	C	0.396	0.027	0.258	5.02E-50	0.003	0.015	0.816	0.056	221.054	TRUE	3.23E-48
Allergic asthma	RPTOR	cg13098428	rs4969277	T	C	-0.384	0.030	0.184	1.79E-36	0.035	0.016	0.032	0.041	159.001	TRUE	4.11E-34
Allergic asthma	RPTOR	cg13136721	rs11150760	A	G	0.310	0.030	0.178	2.58E-24	0.026	0.017	0.136	0.027	103.464	TRUE	5.29E-23
Allergic asthma	RPTOR	cg13136721	rs11653319	T	C	-0.277	0.027	0.291	1.39E-24	-0.008	0.016	0.590	0.028	104.691	TRUE	9.43E-24
Allergic asthma	RPTOR	cg13136721	rs117602881	G	A	0.231	0.031	0.175	1.48E-13	-0.025	0.016	0.126	0.015	54.573	TRUE	9.65E-13
Allergic asthma	RPTOR	cg13136721	rs117763980	T	C	-0.493	0.055	0.043	2.04E-19	-0.005	0.035	0.895	0.021	81.157	TRUE	5.78E-19
Allergic asthma	RPTOR	cg13136721	rs139078473	A	G	0.434	0.051	0.052	1.60E-17	0.002	0.029	0.958	0.019	72.549	TRUE	3.67E-17
Allergic asthma	RPTOR	cg13136721	rs17848659	T	G	-0.346	0.025	0.330	7.23E-45	-0.003	0.015	0.844	0.051	197.420	TRUE	2.36E-43
Allergic asthma	RPTOR	cg13136721	rs35439443	A	G	-0.543	0.068	0.033	1.53E-15	-0.091	0.056	0.105	0.017	63.553	TRUE	1.35E-14
Allergic asthma	RPTOR	cg13136721	rs36022926	T	A	0.157	0.027	0.250	6.51E-09	0.034	0.014	0.018	0.009	33.659	TRUE	4.46E-08
Allergic asthma	RPTOR	cg13136721	rs4969229	T	C	-0.552	0.081	0.050	8.64E-12	-0.012	0.044	0.781	0.012	46.589	TRUE	1.70E-11
Allergic asthma	RPTOR	cg13136721	rs4969300	A	G	0.285	0.035	0.120	8.67E-16	0.034	0.020	0.094	0.017	64.678	TRUE	8.30E-15

Allergic asthma	RPTOR	cg13136721	rs7207052	T	C	-0.391	0.042	0.196	2.78E-20	-0.015	0.017	0.371	0.022	85.091	TRUE	1.92E-19
Allergic asthma	RPTOR	cg13136721	rs7221927	C	T	0.240	0.025	0.354	1.15E-22	-0.014	0.014	0.309	0.025	95.943	TRUE	1.15E-21
Allergic asthma	RPTOR	cg13136721	rs74387351	A	C	-0.317	0.042	0.102	2.93E-14	-0.002	0.017	0.888	0.015	57.748	TRUE	5.98E-14
Allergic asthma	RPTOR	cg13136721	rs8069265	C	T	0.133	0.024	0.446	1.57E-08	-0.020	0.014	0.151	0.009	31.943	TRUE	5.53E-08
Allergic asthma	RPTOR	cg13136721	rs8070693	C	T	-0.356	0.044	0.082	2.88E-16	-0.009	0.032	0.766	0.018	66.846	TRUE	7.76E-16
Allergic asthma	RPTOR	cg13311292	rs7503757	G	A	-0.255	0.037	0.112	9.80E-12	-0.014	0.028	0.620	0.012	46.343	TRUE	2.29E-11
Allergic asthma	RPTOR	cg13526488	rs11150745	G	A	-0.386	0.025	0.314	6.66E-54	0.000	0.015	0.976	0.061	238.820	TRUE	4.87E-52
Allergic asthma	RPTOR	cg13526488	rs112384134	C	T	-0.814	0.125	0.023	7.36E-11	0.001	0.036	0.978	0.011	42.397	TRUE	1.12E-10
Allergic asthma	RPTOR	cg13526488	rs118107399	T	C	0.902	0.149	0.014	1.29E-09	0.016	0.082	0.846	0.010	36.814	TRUE	2.09E-09
Allergic asthma	RPTOR	cg13526488	rs2340773	T	C	0.794	0.036	0.116	6.27E-107	-0.034	0.024	0.160	0.115	482.186	TRUE	1.26E-99
Allergic asthma	RPTOR	cg13526488	rs2672893	A	G	0.204	0.031	0.160	5.70E-11	-0.028	0.020	0.176	0.011	42.898	TRUE	2.45E-10
Allergic asthma	RPTOR	cg13526488	rs4375716	T	G	-0.276	0.029	0.194	3.63E-21	-0.011	0.018	0.547	0.024	89.116	TRUE	1.97E-20
Allergic asthma	RPTOR	cg13526488	rs4426398	T	C	-0.197	0.034	0.139	4.73E-09	-0.053	0.020	0.008	0.009	34.277	TRUE	4.08E-08
Allergic asthma	RPTOR	cg13526488	rs58419250	A	G	-0.185	0.031	0.184	1.71E-09	0.035	0.016	0.031	0.010	36.262	TRUE	1.10E-08
Allergic asthma	RPTOR	cg13526488	rs7210110	A	G	-0.883	0.028	0.200	3.53E-222	0.011	0.019	0.562	0.215	1011.906	TRUE	1.06E-200
Allergic asthma	RPTOR	cg13526488	rs72852801	A	G	-0.478	0.044	0.076	1.46E-27	0.080	0.027	0.003	0.031	118.272	TRUE	2.78E-25
Allergic asthma	RPTOR	cg13526488	rs72853728	C	T	-0.340	0.033	0.144	2.46E-24	0.043	0.019	0.025	0.027	103.559	TRUE	1.22E-22
Allergic asthma	RPTOR	cg13549638	rs12937510	T	C	-0.236	0.027	0.241	1.39E-18	-0.007	0.017	0.673	0.020	77.367	TRUE	5.03E-18
Allergic asthma	RPTOR	cg13549638	rs2333984	G	A	0.639	0.028	0.203	1.25E-112	0.018	0.017	0.292	0.121	508.379	TRUE	3.79E-105
Allergic asthma	RPTOR	cg13549638	rs55735336	T	C	-0.211	0.037	0.114	1.37E-08	-0.030	0.021	0.151	0.009	32.208	TRUE	4.86E-08
Allergic asthma	RPTOR	cg13549638	rs57860295	A	G	0.174	0.028	0.247	3.04E-10	0.026	0.015	0.084	0.011	39.624	TRUE	1.60E-09
Allergic asthma	RPTOR	cg13549638	rs62068487	A	G	-0.197	0.025	0.319	6.47E-15	-0.021	0.015	0.160	0.016	60.720	TRUE	4.38E-14
Allergic asthma	RPTOR	cg13549638	rs72853711	C	T	0.236	0.037	0.115	1.43E-10	0.036	0.022	0.102	0.011	41.105	TRUE	7.26E-10
Allergic asthma	RPTOR	cg13549638	rs72853757	C	T	0.194	0.033	0.146	4.91E-09	0.040	0.018	0.025	0.009	34.205	TRUE	3.17E-08
Allergic asthma	RPTOR	cg13549638	rs7502841	A	G	0.263	0.027	0.232	1.06E-21	0.019	0.017	0.251	0.024	91.549	TRUE	1.11E-20
Allergic asthma	RPTOR	cg13643509	rs8077224	A	G	-0.134	0.023	0.428	1.24E-08	0.000	0.014	0.995	0.009	32.404	TRUE	1.67E-08
Allergic asthma	RPTOR	cg13762486	rs2138119	C	G	-0.164	0.025	0.346	2.80E-11	-0.004	0.015	0.808	0.012	44.288	TRUE	5.19E-11
Allergic asthma	RPTOR	cg13762486	rs4969314	G	T	0.335	0.025	0.316	1.01E-39	0.001	0.015	0.959	0.045	173.864	TRUE	1.49E-38
Allergic asthma	RPTOR	cg13762486	rs7219221	G	A	-0.208	0.034	0.173	9.68E-10	-0.004	0.018	0.829	0.010	37.368	TRUE	1.61E-09
Allergic asthma	RPTOR	cg13831388	rs11656246	A	G	0.309	0.026	0.241	7.92E-32	-0.007	0.017	0.667	0.036	137.761	TRUE	9.21E-31
Allergic asthma	RPTOR	cg14073057	rs9915426	G	A	-0.225	0.029	0.202	1.24E-14	0.014	0.019	0.472	0.016	59.443	TRUE	4.38E-14
Allergic asthma	RPTOR	cg14289594	rs12937265	T	C	-0.189	0.025	0.320	1.88E-14	0.001	0.015	0.948	0.016	58.627	TRUE	3.61E-14
Allergic asthma	RPTOR	cg14343513	rs11150745	G	A	-0.276	0.025	0.314	7.37E-28	0.000	0.015	0.976	0.031	119.634	TRUE	3.52E-27
Allergic asthma	RPTOR	cg14343513	rs11655574	A	G	0.149	0.025	0.361	3.22E-09	0.013	0.014	0.347	0.009	35.026	TRUE	8.65E-09
Allergic asthma	RPTOR	cg14343513	rs118107399	T	C	1.087	0.148	0.014	2.30E-13	0.016	0.082	0.846	0.014	53.705	TRUE	4.64E-13
Allergic asthma	RPTOR	cg14343513	rs12950676	T	C	-0.270	0.024	0.431	4.19E-30	0.010	0.014	0.440	0.034	129.885	TRUE	6.52E-29
Allergic asthma	RPTOR	cg14343513	rs2672890	T	C	0.230	0.042	0.178	3.64E-08	0.023	0.016	0.158	0.008	30.313	TRUE	1.21E-07
Allergic asthma	RPTOR	cg14343513	rs35926934	A	G	0.966	0.035	0.117	2.56E-165	0.034	0.024	0.160	0.169	750.495	TRUE	3.65E-151
Allergic asthma	RPTOR	cg14343513	rs55959137	G	A	-0.251	0.024	0.493	1.50E-26	-0.002	0.014	0.869	0.030	113.663	TRUE	7.61E-26
Allergic asthma	RPTOR	cg14343513	rs62070202	T	C	-0.256	0.042	0.079	1.12E-09	0.050	0.027	0.063	0.010	37.085	TRUE	6.02E-09
Allergic asthma	RPTOR	cg14343513	rs72859613	T	C	0.466	0.073	0.020	1.82E-10	-0.001	0.039	0.972	0.011	40.630	TRUE	2.74E-10
Allergic asthma	RPTOR	cg14343513	rs734338	A	G	-0.167	0.023	0.497	1.08E-12	0.003	0.014	0.807	0.014	50.662	TRUE	2.19E-12

Allergic asthma	RPTOR	cg14600877	rs113059224	A	G	-0.279	0.043	0.070	9.67E-11	-0.012	0.023	0.606	0.011	41.865	TRUE	2.14E-10
Allergic asthma	RPTOR	cg14600877	rs113714895	T	C	-0.457	0.043	0.080	6.59E-27	-0.003	0.025	0.911	0.030	115.288	TRUE	3.23E-26
Allergic asthma	RPTOR	cg14600877	rs11650195	C	T	-0.180	0.033	0.404	3.24E-08	0.016	0.014	0.234	0.008	30.542	TRUE	9.38E-08
Allergic asthma	RPTOR	cg14600877	rs12449867	C	T	0.172	0.025	0.343	2.38E-12	-0.015	0.014	0.303	0.013	49.119	TRUE	9.04E-12
Allergic asthma	RPTOR	cg14600877	rs139078473	A	G	0.381	0.051	0.052	8.67E-14	0.002	0.029	0.958	0.015	55.616	TRUE	1.59E-13
Allergic asthma	RPTOR	cg14600877	rs36022926	T	A	0.154	0.027	0.250	1.18E-08	0.034	0.014	0.018	0.009	32.502	TRUE	7.78E-08
Allergic asthma	RPTOR	cg14600877	rs4969236	C	T	-0.296	0.023	0.495	7.28E-37	-0.014	0.014	0.308	0.042	160.790	TRUE	3.38E-35
Allergic asthma	RPTOR	cg14600877	rs4969323	C	G	0.219	0.030	0.203	3.46E-13	0.007	0.017	0.674	0.014	52.901	TRUE	8.41E-13
Allergic asthma	RPTOR	cg14600877	rs56412625	G	A	0.170	0.027	0.250	2.21E-10	0.008	0.018	0.662	0.011	40.253	TRUE	4.49E-10
Allergic asthma	RPTOR	cg14600877	rs58642634	T	C	-0.502	0.047	0.076	8.00E-27	-0.016	0.028	0.571	0.030	114.906	TRUE	6.91E-26
Allergic asthma	RPTOR	cg14600877	rs62075409	A	G	0.443	0.029	0.190	5.49E-52	0.025	0.018	0.152	0.059	230.039	TRUE	3.74E-49
Allergic asthma	RPTOR	cg14600877	rs6565524	T	C	-0.353	0.040	0.098	1.56E-18	0.020	0.023	0.379	0.020	77.137	TRUE	9.03E-18
Allergic asthma	RPTOR	cg14600877	rs71368095	A	G	-0.521	0.027	0.219	2.72E-81	-0.006	0.016	0.696	0.090	364.461	TRUE	2.69E-77
Allergic asthma	RPTOR	cg14600877	rs72859646	T	C	0.428	0.068	0.026	3.77E-10	0.023	0.030	0.437	0.010	39.209	TRUE	9.73E-10
Allergic asthma	RPTOR	cg14600877	rs7502563	A	G	-1.043	0.017	0.391	<1E-200	-0.012	0.014	0.379	0.501	3712.236	TRUE	<1E-200
Allergic asthma	RPTOR	cg14600877	rs78595627	T	C	-0.301	0.042	0.102	5.74E-13	-0.002	0.017	0.889	0.014	51.905	TRUE	1.08E-12
Allergic asthma	RPTOR	cg14600877	rs9911223	A	G	0.378	0.025	0.310	3.66E-52	-0.012	0.015	0.404	0.059	230.848	TRUE	8.91E-50
Allergic asthma	RPTOR	cg14647957	rs111492191	A	G	-0.320	0.055	0.043	5.75E-09	0.047	0.040	0.246	0.009	33.899	TRUE	1.76E-08
Allergic asthma	RPTOR	cg14647957	rs17848624	C	A	-0.260	0.041	0.088	3.57E-10	0.035	0.028	0.215	0.011	39.314	TRUE	1.30E-09
Allergic asthma	RPTOR	cg14647957	rs2589132	C	T	0.137	0.023	0.485	5.22E-09	-0.004	0.014	0.744	0.009	34.086	TRUE	8.98E-09
Allergic asthma	RPTOR	cg14647957	rs34713877	A	G	-0.506	0.091	0.036	3.00E-08	0.033	0.045	0.461	0.008	30.692	TRUE	6.47E-08
Allergic asthma	RPTOR	cg14647957	rs4969282	T	G	-0.669	0.032	0.139	6.51E-95	-0.034	0.021	0.113	0.103	427.000	TRUE	1.43E-88
Allergic asthma	RPTOR	cg14780427	rs11150747	T	C	-0.442	0.027	0.249	1.99E-60	0.053	0.016	6.86E-04	0.068	268.736	TRUE	1.98E-55
Allergic asthma	RPTOR	cg14780427	rs11651724	A	G	-0.466	0.037	0.117	7.11E-37	0.044	0.018	0.015	0.042	160.837	TRUE	2.64E-34
Allergic asthma	RPTOR	cg14780427	rs117209908	A	G	-0.628	0.050	0.059	4.48E-36	-0.007	0.031	0.832	0.041	157.181	TRUE	5.82E-35
Allergic asthma	RPTOR	cg14780427	rs117805133	T	C	-0.560	0.089	0.017	3.25E-10	-0.015	0.078	0.844	0.011	39.498	TRUE	5.46E-10
Allergic asthma	RPTOR	cg14780427	rs118107399	T	C	0.950	0.149	0.014	1.57E-10	0.016	0.082	0.846	0.011	40.915	TRUE	2.68E-10
Allergic asthma	RPTOR	cg14780427	rs12949279	C	T	0.806	0.020	0.440	<1E-200	-0.010	0.014	0.490	0.303	1605.490	TRUE	4.78E-304
Allergic asthma	RPTOR	cg14780427	rs2589139	C	G	0.230	0.025	0.297	5.60E-20	-0.022	0.015	0.139	0.022	83.711	TRUE	7.00E-19
Allergic asthma	RPTOR	cg14780427	rs4072746	T	C	-0.296	0.038	0.115	9.95E-15	0.041	0.017	0.018	0.016	59.873	TRUE	1.57E-13
Allergic asthma	RPTOR	cg14780427	rs4426398	T	C	0.296	0.034	0.139	1.32E-18	-0.053	0.020	0.008	0.021	77.469	TRUE	4.79E-17
Allergic asthma	RPTOR	cg14780427	rs4890035	A	G	-0.192	0.029	0.198	4.43E-11	-0.011	0.016	0.509	0.012	43.391	TRUE	1.12E-10
Allergic asthma	RPTOR	cg14780427	rs62067893	T	C	-0.838	0.069	0.037	5.64E-34	0.080	0.041	0.052	0.038	147.577	TRUE	6.89E-32
Allergic asthma	RPTOR	cg14780427	rs72856006	G	C	-0.509	0.036	0.120	2.05E-46	0.038	0.019	0.042	0.052	204.509	TRUE	1.70E-43
Allergic asthma	RPTOR	cg14780427	rs72858264	C	A	0.536	0.066	0.031	4.76E-16	0.038	0.047	0.412	0.017	65.858	TRUE	2.08E-15
Allergic asthma	RPTOR	cg14780427	rs8069320	C	A	0.253	0.024	0.490	7.66E-27	-0.006	0.014	0.659	0.030	114.992	TRUE	5.66E-26
Allergic asthma	RPTOR	cg14780427	rs9908112	A	G	0.904	0.036	0.116	3.95E-141	-0.035	0.024	0.144	0.147	639.320	TRUE	5.36E-130
Allergic asthma	RPTOR	cg15022015	rs2280147	C	T	0.187	0.027	0.225	5.46E-12	0.019	0.016	0.220	0.013	47.489	TRUE	2.35E-11
Allergic asthma	RPTOR	cg15022015	rs71368095	A	G	-0.155	0.028	0.219	2.09E-08	-0.006	0.016	0.696	0.008	31.394	TRUE	3.61E-08
Allergic asthma	RPTOR	cg15096353	rs114177791	T	G	0.247	0.028	0.215	3.34E-18	0.014	0.017	0.411	0.020	75.638	TRUE	1.77E-17
Allergic asthma	RPTOR	cg15096353	rs117117100	A	G	0.492	0.075	0.024	6.52E-11	0.044	0.029	0.127	0.011	42.634	TRUE	3.18E-10
Allergic asthma	RPTOR	cg15096353	rs117209908	A	G	0.546	0.050	0.059	1.48E-27	-0.007	0.031	0.832	0.031	118.246	TRUE	8.72E-27

Allergic asthma	RPTOR	cg15096353	rs117805133	T	C	0.579	0.089	0.017	7.07E-11	-0.015	0.078	0.844	0.011	42.477	TRUE	1.23E-10
Allergic asthma	RPTOR	cg15096353	rs12452137	G	A	0.728	0.026	0.249	2.36E-170	0.026	0.015	0.081	0.173	773.639	TRUE	4.79E-155
Allergic asthma	RPTOR	cg15096353	rs2589138	T	C	-0.244	0.028	0.230	3.36E-18	0.000	0.016	0.996	0.020	75.626	TRUE	7.68E-18
Allergic asthma	RPTOR	cg15096353	rs35832855	C	T	0.132	0.024	0.436	2.10E-08	0.010	0.014	0.467	0.008	31.381	TRUE	4.56E-08
Allergic asthma	RPTOR	cg15096353	rs4969429	A	G	0.280	0.026	0.273	1.21E-26	0.029	0.015	0.060	0.030	114.092	TRUE	5.24E-25
Allergic asthma	RPTOR	cg15096353	rs62067893	T	C	0.520	0.069	0.037	7.26E-14	0.080	0.041	0.052	0.015	55.967	TRUE	7.04E-13
Allergic asthma	RPTOR	cg15096353	rs62944760	C	A	-0.395	0.042	0.084	5.41E-21	0.038	0.028	0.171	0.023	88.331	TRUE	6.72E-20
Allergic asthma	RPTOR	cg15096353	rs72853735	G	A	0.326	0.036	0.118	1.57E-19	0.038	0.019	0.040	0.022	81.678	TRUE	3.40E-18
Allergic asthma	RPTOR	cg15097361	rs11150745	G	A	-0.240	0.025	0.314	2.04E-21	0.000	0.015	0.976	0.024	90.253	TRUE	5.97E-21
Allergic asthma	RPTOR	cg15097361	rs118011999	A	G	-0.731	0.115	0.024	1.71E-10	-0.064	0.053	0.225	0.011	40.753	TRUE	6.30E-10
Allergic asthma	RPTOR	cg15097361	rs12943620	T	G	-0.200	0.027	0.225	1.86E-13	-0.025	0.017	0.147	0.014	54.116	TRUE	1.13E-12
Allergic asthma	RPTOR	cg15097361	rs183789618	A	G	-0.436	0.070	0.025	3.76E-10	-0.030	0.034	0.380	0.010	39.215	TRUE	1.04E-09
Allergic asthma	RPTOR	cg15097361	rs2048753	A	G	-0.217	0.027	0.250	2.49E-16	0.006	0.015	0.661	0.018	67.131	TRUE	7.74E-16
Allergic asthma	RPTOR	cg15097361	rs35352641	T	C	-0.735	0.038	0.209	1.04E-83	0.019	0.015	0.194	0.092	375.566	TRUE	1.21E-78
Allergic asthma	RPTOR	cg15097361	rs7219745	C	A	0.263	0.033	0.141	2.44E-15	-0.037	0.019	0.057	0.017	62.643	TRUE	2.73E-14
Allergic asthma	RPTOR	cg15097361	rs7221948	C	T	-0.241	0.024	0.410	1.04E-23	0.025	0.014	0.073	0.027	100.695	TRUE	2.85E-22
Allergic asthma	RPTOR	cg15097361	rs7223529	A	T	0.167	0.028	0.228	2.16E-09	-0.013	0.016	0.392	0.010	35.801	TRUE	5.55E-09
Allergic asthma	RPTOR	cg15097361	rs7225476	G	A	0.140	0.024	0.464	3.22E-09	0.011	0.014	0.419	0.009	35.025	TRUE	7.89E-09
Allergic asthma	RPTOR	cg15097361	rs72858264	C	A	-0.416	0.066	0.031	3.35E-10	0.038	0.047	0.412	0.011	39.436	TRUE	8.97E-10
Allergic asthma	RPTOR	cg15097361	rs75293675	T	C	0.235	0.031	0.168	6.57E-14	-0.014	0.020	0.461	0.015	56.163	TRUE	2.23E-13
Allergic asthma	RPTOR	cg15116918	rs7209576	A	G	0.149	0.023	0.452	1.80E-10	-0.003	0.014	0.833	0.011	40.654	TRUE	3.10E-10
Allergic asthma	RPTOR	cg15228441	rs2048753	A	G	-0.173	0.027	0.250	6.76E-11	0.006	0.015	0.661	0.011	42.566	TRUE	1.43E-10
Allergic asthma	RPTOR	cg15228441	rs2672871	C	G	0.219	0.030	0.187	2.82E-13	-0.017	0.021	0.414	0.014	53.299	TRUE	9.73E-13
Allergic asthma	RPTOR	cg15228441	rs2672893	A	G	0.216	0.031	0.160	4.00E-12	-0.028	0.020	0.176	0.013	48.096	TRUE	1.94E-11
Allergic asthma	RPTOR	cg15228441	rs28377011	C	T	-0.322	0.042	0.082	1.71E-14	0.024	0.024	0.318	0.016	58.812	TRUE	7.68E-14
Allergic asthma	RPTOR	cg15228441	rs35352641	T	C	-0.634	0.038	0.209	1.43E-61	0.019	0.015	0.194	0.069	273.981	TRUE	3.33E-58
Allergic asthma	RPTOR	cg15230985	rs117219902	A	G	-0.250	0.045	0.072	3.18E-08	-0.044	0.030	0.150	0.008	30.580	TRUE	1.08E-07
Allergic asthma	RPTOR	cg15230985	rs118107399	T	C	0.917	0.149	0.014	6.62E-10	0.016	0.082	0.846	0.010	38.108	TRUE	1.09E-09
Allergic asthma	RPTOR	cg15230985	rs12185227	G	C	-0.137	0.024	0.390	1.01E-08	0.028	0.014	0.041	0.009	32.813	TRUE	5.43E-08
Allergic asthma	RPTOR	cg15230985	rs35926934	A	G	0.809	0.036	0.117	6.02E-113	0.034	0.024	0.160	0.121	509.828	TRUE	4.89E-105
Allergic asthma	RPTOR	cg15230985	rs4453556	G	A	0.186	0.024	0.417	4.35E-15	0.003	0.014	0.855	0.016	61.504	TRUE	9.70E-15
Allergic asthma	RPTOR	cg15230985	rs4969230	C	T	-0.377	0.024	0.401	1.49E-56	0.000	0.014	0.982	0.064	250.973	TRUE	1.51E-54
Allergic asthma	RPTOR	cg15230985	rs62069691	T	A	-0.349	0.041	0.087	2.33E-17	0.036	0.023	0.119	0.019	71.805	TRUE	2.38E-16
Allergic asthma	RPTOR	cg15230985	rs9890464	C	T	-0.167	0.024	0.491	1.40E-12	-0.005	0.014	0.694	0.013	50.152	TRUE	3.20E-12
Allergic asthma	RPTOR	cg15230985	rs9904611	A	G	-0.168	0.027	0.254	9.68E-10	0.000	0.017	0.982	0.010	37.368	TRUE	1.39E-09
Allergic asthma	RPTOR	cg15358690	rs113059224	A	G	-0.369	0.043	0.070	9.53E-18	-0.012	0.023	0.606	0.020	73.569	TRUE	3.55E-17
Allergic asthma	RPTOR	cg15358690	rs113335931	G	A	0.200	0.033	0.150	7.33E-10	-0.018	0.018	0.317	0.010	37.909	TRUE	2.18E-09
Allergic asthma	RPTOR	cg15358690	rs113714895	T	C	-0.503	0.042	0.080	2.04E-32	-0.003	0.025	0.911	0.037	140.457	TRUE	1.61E-31
Allergic asthma	RPTOR	cg15358690	rs11651707	T	C	-0.877	0.023	0.245	<1E-200	-0.006	0.016	0.696	0.278	1425.488	TRUE	4.53E-274
Allergic asthma	RPTOR	cg15358690	rs11655877	C	T	-0.296	0.023	0.406	1.86E-36	-0.010	0.014	0.492	0.041	158.927	TRUE	5.05E-35
Allergic asthma	RPTOR	cg15358690	rs11868966	C	A	0.401	0.032	0.167	7.07E-37	0.010	0.019	0.586	0.042	160.846	TRUE	1.63E-35
Allergic asthma	RPTOR	cg15358690	rs12449867	C	T	0.146	0.025	0.343	3.26E-09	-0.015	0.014	0.303	0.009	35.006	TRUE	9.30E-09

Allergic asthma	RPTOR	cg15358690	rs183036865	A	G	-0.359	0.056	0.041	1.75E-10	0.003	0.034	0.942	0.011	40.709	TRUE	2.71E-10
Allergic asthma	RPTOR	cg15358690	rs62068550	A	G	0.304	0.035	0.143	1.58E-18	0.027	0.021	0.204	0.020	77.112	TRUE	1.37E-17
Allergic asthma	RPTOR	cg15358690	rs72851827	A	G	0.272	0.050	0.080	4.25E-08	-0.019	0.028	0.495	0.008	30.015	TRUE	8.74E-08
Allergic asthma	RPTOR	cg15358690	rs868432	A	G	-0.393	0.023	0.444	1.21E-65	0.010	0.014	0.473	0.073	292.661	TRUE	1.73E-62
Allergic asthma	RPTOR	cg15358690	rs908236	C	G	0.139	0.025	0.351	2.01E-08	0.019	0.014	0.177	0.008	31.471	TRUE	6.60E-08
Allergic asthma	RPTOR	cg15358690	rs9899178	T	C	-0.367	0.025	0.354	1.78E-49	-0.009	0.014	0.496	0.056	218.531	TRUE	2.31E-47
Allergic asthma	RPTOR	cg15476425	rs2589135	T	C	-0.137	0.024	0.457	6.25E-09	-0.008	0.014	0.532	0.009	33.737	TRUE	1.32E-08
Allergic asthma	RPTOR	cg15476425	rs56233717	C	T	0.404	0.036	0.264	1.89E-28	0.019	0.015	0.198	0.032	122.327	TRUE	4.82E-27
Allergic asthma	RPTOR	cg15616522	rs2589119	A	G	0.208	0.036	0.117	9.32E-09	-0.049	0.023	0.035	0.009	32.961	TRUE	5.26E-08
Allergic asthma	RPTOR	cg15616522	rs4969426	A	T	0.201	0.024	0.375	1.94E-17	0.011	0.014	0.411	0.019	72.163	TRUE	9.61E-17
Allergic asthma	RPTOR	cg15616522	rs6565473	C	T	0.166	0.023	0.472	1.34E-12	-0.005	0.014	0.695	0.013	50.246	TRUE	3.05E-12
Allergic asthma	RPTOR	cg15616522	rs7212390	A	G	-0.503	0.029	0.198	2.91E-67	0.013	0.019	0.491	0.075	300.085	TRUE	5.07E-64
Allergic asthma	RPTOR	cg15616522	rs75747760	T	C	-0.309	0.041	0.088	5.41E-14	0.020	0.027	0.467	0.015	56.546	TRUE	1.83E-13
Allergic asthma	RPTOR	cg15694704	rs115579065	T	C	-0.302	0.044	0.089	8.89E-12	-0.005	0.021	0.794	0.012	46.534	TRUE	1.72E-11
Allergic asthma	RPTOR	cg15694704	rs12950583	A	G	-0.997	0.025	0.214	<1E-200	-0.003	0.016	0.860	0.298	1570.896	TRUE	3.26E-299
Allergic asthma	RPTOR	cg15694704	rs2672878	T	C	0.233	0.026	0.263	5.95E-19	-0.003	0.015	0.852	0.021	79.042	TRUE	1.73E-18
Allergic asthma	RPTOR	cg15694704	rs4306553	A	G	-0.134	0.024	0.395	2.58E-08	-0.026	0.014	0.068	0.008	30.982	TRUE	1.14E-07
Allergic asthma	RPTOR	cg15694704	rs4969285	G	C	0.163	0.025	0.333	9.21E-11	-0.008	0.014	0.568	0.011	41.959	TRUE	2.13E-10
Allergic asthma	RPTOR	cg15694704	rs4969323	C	G	0.219	0.030	0.203	4.01E-13	0.007	0.017	0.674	0.014	52.610	TRUE	9.71E-13
Allergic asthma	RPTOR	cg15694704	rs6565515	T	C	0.261	0.028	0.245	9.82E-21	-0.003	0.015	0.840	0.023	87.151	TRUE	3.30E-20
Allergic asthma	RPTOR	cg15694704	rs7220687	C	T	-0.288	0.026	0.289	6.31E-29	0.020	0.016	0.210	0.033	124.506	TRUE	1.62E-27
Allergic asthma	RPTOR	cg15694704	rs9898178	G	A	0.182	0.033	0.138	4.86E-08	0.025	0.018	0.157	0.008	29.756	TRUE	1.60E-07
Allergic asthma	RPTOR	cg15815120	rs11150745	G	A	0.161	0.025	0.314	1.08E-10	0.000	0.015	0.976	0.011	41.644	TRUE	1.64E-10
Allergic asthma	RPTOR	cg15815120	rs62069406	C	T	0.591	0.054	0.051	1.02E-27	-0.023	0.028	0.406	0.031	118.981	TRUE	1.35E-26
Allergic asthma	RPTOR	cg15815120	rs9893956	C	G	-0.301	0.030	0.184	1.55E-23	0.035	0.016	0.032	0.026	99.913	TRUE	6.20E-22
Allergic asthma	RPTOR	cg15815120	rs9897426	T	A	0.205	0.029	0.198	1.92E-12	0.014	0.020	0.486	0.013	49.537	TRUE	5.59E-12
Allergic asthma	RPTOR	cg15826479	rs2672871	C	G	-0.286	0.030	0.187	1.23E-21	-0.017	0.021	0.414	0.024	91.266	TRUE	8.81E-21
Allergic asthma	RPTOR	cg15946337	rs201407779	A	G	-0.276	0.041	0.090	1.56E-11	0.025	0.027	0.354	0.012	45.431	TRUE	5.08E-11
Allergic asthma	RPTOR	cg15946337	rs35292957	G	C	0.202	0.026	0.253	1.14E-14	-0.026	0.016	0.111	0.016	59.614	TRUE	8.90E-14
Allergic asthma	RPTOR	cg15946337	rs72853711	C	T	-0.268	0.037	0.115	3.01E-13	0.036	0.022	0.102	0.014	53.176	TRUE	2.08E-12
Allergic asthma	RPTOR	cg15946337	rs9909563	T	A	-0.345	0.027	0.269	2.64E-38	0.053	0.015	3.45E-04	0.043	167.379	TRUE	6.55E-35
Allergic asthma	RPTOR	cg16015295	rs10871489	G	A	-0.145	0.026	0.301	1.46E-08	-0.036	0.015	0.021	0.009	32.089	TRUE	9.14E-08
Allergic asthma	RPTOR	cg16015295	rs11150745	G	A	-0.357	0.025	0.314	5.85E-46	0.000	0.015	0.976	0.052	202.422	TRUE	1.64E-44
Allergic asthma	RPTOR	cg16015295	rs1131609	A	G	-0.215	0.027	0.243	5.77E-16	-0.023	0.017	0.172	0.017	65.480	TRUE	4.20E-15
Allergic asthma	RPTOR	cg16015295	rs118107399	T	C	0.928	0.149	0.014	4.19E-10	0.016	0.082	0.846	0.010	39.003	TRUE	6.98E-10
Allergic asthma	RPTOR	cg16015295	rs2340773	T	C	0.880	0.036	0.116	3.96E-133	-0.034	0.024	0.160	0.140	602.553	TRUE	5.22E-123
Allergic asthma	RPTOR	cg16015295	rs4889856	C	T	-0.153	0.023	0.435	6.70E-11	0.021	0.014	0.124	0.011	42.580	TRUE	3.30E-10
Allergic asthma	RPTOR	cg16015295	rs4969404	T	C	-0.175	0.024	0.402	3.50E-13	-0.001	0.014	0.949	0.014	52.875	TRUE	6.26E-13
Allergic asthma	RPTOR	cg16015295	rs62067183	T	C	-0.137	0.024	0.395	1.16E-08	0.010	0.014	0.473	0.009	32.528	TRUE	2.56E-08
Allergic asthma	RPTOR	cg16015295	rs7217174	T	C	-0.687	0.028	0.201	7.30E-129	0.012	0.019	0.516	0.136	582.955	TRUE	3.88E-120
Allergic asthma	RPTOR	cg16015295	rs72852801	A	G	-0.386	0.044	0.076	1.89E-18	0.080	0.027	0.003	0.020	76.760	TRUE	9.00E-17
Allergic asthma	RPTOR	cg16015295	rs72853728	C	T	-0.294	0.034	0.144	1.64E-18	0.043	0.019	0.025	0.020	77.037	TRUE	3.78E-17

Allergic asthma	RPTOR	cg16015295	rs72859613	T	C	0.403	0.073	0.020	3.50E-08	-0.001	0.039	0.972	0.008	30.394	TRUE	4.71E-08
Allergic asthma	RPTOR	cg16018154	rs113714895	T	C	-0.474	0.043	0.080	7.17E-29	-0.003	0.025	0.911	0.032	124.252	TRUE	4.14E-28
Allergic asthma	RPTOR	cg16018154	rs11658145	C	T	0.162	0.027	0.246	2.12E-09	-0.017	0.016	0.282	0.010	35.837	TRUE	6.38E-09
Allergic asthma	RPTOR	cg16018154	rs11868266	C	G	0.168	0.027	0.251	1.02E-09	0.022	0.015	0.136	0.010	37.260	TRUE	4.26E-09
Allergic asthma	RPTOR	cg16018154	rs2289765	G	A	0.873	0.034	0.137	7.62E-148	-0.006	0.020	0.780	0.153	670.180	TRUE	2.12E-137
Allergic asthma	RPTOR	cg16018154	rs2316058	G	C	-0.207	0.025	0.345	4.18E-17	-0.006	0.014	0.679	0.019	70.654	TRUE	1.34E-16
Allergic asthma	RPTOR	cg16018154	rs4969236	C	T	-0.283	0.023	0.495	7.85E-34	-0.014	0.014	0.308	0.038	146.919	TRUE	2.57E-32
Allergic asthma	RPTOR	cg16018154	rs4969238	C	T	0.162	0.024	0.379	2.31E-11	0.001	0.014	0.922	0.012	44.666	TRUE	3.83E-11
Allergic asthma	RPTOR	cg16018154	rs4969284	A	G	-0.860	0.020	0.439	<1E-200	-0.017	0.014	0.228	0.337	1884.356	TRUE	<1E-200
Allergic asthma	RPTOR	cg16018154	rs4969313	A	G	-0.351	0.024	0.391	5.68E-48	-0.012	0.014	0.379	0.054	211.645	TRUE	8.49E-46
Allergic asthma	RPTOR	cg16018154	rs58903229	A	T	0.480	0.049	0.080	2.52E-22	-0.017	0.028	0.540	0.025	94.395	TRUE	1.53E-21
Allergic asthma	RPTOR	cg16018154	rs59695750	T	C	0.158	0.023	0.495	1.80E-11	0.002	0.013	0.862	0.012	45.150	TRUE	3.20E-11
Allergic asthma	RPTOR	cg16018154	rs6565488	A	C	0.539	0.033	0.135	9.83E-60	0.025	0.019	0.179	0.067	265.556	TRUE	1.86E-56
Allergic asthma	RPTOR	cg16018154	rs72857988	T	C	0.386	0.050	0.050	1.36E-14	0.025	0.023	0.285	0.016	59.255	TRUE	6.59E-14
Allergic asthma	RPTOR	cg16018154	rs7502321	C	T	0.173	0.024	0.386	6.35E-13	0.003	0.014	0.855	0.014	51.708	TRUE	1.24E-12
Allergic asthma	RPTOR	cg16018154	rs9915393	G	C	0.169	0.027	0.258	3.50E-10	0.003	0.015	0.816	0.011	39.350	TRUE	6.04E-10
Allergic asthma	RPTOR	cg16115689	rs9912037	A	C	0.167	0.025	0.367	1.53E-11	0.011	0.014	0.429	0.012	45.476	TRUE	4.46E-11
Allergic asthma	RPTOR	cg16116279	rs11653319	T	C	-0.162	0.027	0.291	2.44E-09	-0.008	0.016	0.590	0.010	35.570	TRUE	4.97E-09
Allergic asthma	RPTOR	cg16116279	rs2289763	G	C	0.263	0.036	0.119	4.50E-13	0.019	0.022	0.388	0.014	52.382	TRUE	1.59E-12
Allergic asthma	RPTOR	cg16116279	rs6565484	C	T	-0.387	0.023	0.485	6.98E-65	0.021	0.014	0.121	0.073	289.168	TRUE	4.54E-61
Allergic asthma	RPTOR	cg16116279	rs72857980	T	C	-0.342	0.050	0.051	8.65E-12	0.024	0.023	0.288	0.012	46.588	TRUE	3.21E-11
Allergic asthma	RPTOR	cg16116279	rs908240	G	A	-0.141	0.024	0.458	2.32E-09	-0.010	0.013	0.477	0.010	35.666	TRUE	5.36E-09
Allergic asthma	RPTOR	cg16116279	rs9909367	G	A	-0.221	0.029	0.215	2.97E-14	0.005	0.016	0.764	0.015	57.724	TRUE	6.99E-14
Allergic asthma	RPTOR	cg16541275	rs2672898	C	T	-0.196	0.029	0.206	1.20E-11	-0.017	0.017	0.310	0.012	45.947	TRUE	4.23E-11
Allergic asthma	RPTOR	cg16565901	rs2291360	A	G	0.192	0.025	0.367	1.09E-14	0.011	0.014	0.448	0.016	59.691	TRUE	4.02E-14
Allergic asthma	RPTOR	cg16565901	rs2316058	G	C	-0.156	0.025	0.345	2.48E-10	-0.006	0.014	0.679	0.011	40.021	TRUE	4.95E-10
Allergic asthma	RPTOR	cg16578291	rs112300010	C	T	-0.201	0.027	0.238	1.87E-13	0.016	0.016	0.307	0.014	54.104	TRUE	7.82E-13
Allergic asthma	RPTOR	cg16636468	rs17848624	C	A	-0.284	0.041	0.088	6.56E-12	0.035	0.028	0.215	0.013	47.129	TRUE	2.84E-11
Allergic asthma	RPTOR	cg16636468	rs7209132	C	T	0.191	0.025	0.365	1.36E-14	0.011	0.014	0.422	0.016	59.259	TRUE	5.17E-14
Allergic asthma	RPTOR	cg16636468	rs7212390	A	G	-0.252	0.030	0.198	1.45E-17	0.013	0.019	0.491	0.019	72.737	TRUE	6.35E-17
Allergic asthma	RPTOR	cg16638092	rs11150745	G	A	-0.260	0.025	0.314	7.16E-25	0.000	0.015	0.976	0.028	106.002	TRUE	2.70E-24
Allergic asthma	RPTOR	cg16638092	rs114177791	T	G	0.177	0.029	0.215	5.51E-10	0.014	0.017	0.411	0.010	38.468	TRUE	1.45E-09
Allergic asthma	RPTOR	cg16638092	rs4969429	A	G	0.176	0.026	0.273	2.35E-11	0.029	0.015	0.060	0.012	44.631	TRUE	1.59E-10
Allergic asthma	RPTOR	cg16638092	rs62070202	T	C	-0.290	0.042	0.079	4.85E-12	0.050	0.027	0.063	0.013	47.720	TRUE	3.50E-11
Allergic asthma	RPTOR	cg16638092	rs7212390	A	G	-0.364	0.029	0.198	6.59E-35	0.013	0.019	0.491	0.039	151.839	TRUE	1.52E-33
Allergic asthma	RPTOR	cg16638092	rs72853774	G	T	0.189	0.034	0.138	2.58E-08	0.039	0.018	0.028	0.008	30.986	TRUE	1.45E-07
Allergic asthma	RPTOR	cg16660971	rs2289762	A	G	-0.298	0.027	0.245	4.08E-29	-0.006	0.016	0.701	0.033	125.371	TRUE	3.45E-28
Allergic asthma	RPTOR	cg16660971	rs2289764	C	T	0.394	0.027	0.241	2.44E-47	0.016	0.015	0.296	0.053	208.742	TRUE	4.44E-45
Allergic asthma	RPTOR	cg16660971	rs908236	C	G	0.160	0.025	0.351	1.05E-10	0.019	0.014	0.177	0.011	41.705	TRUE	4.39E-10
Allergic asthma	RPTOR	cg16886414	rs113714895	T	C	0.281	0.043	0.080	5.44E-11	-0.003	0.025	0.911	0.011	42.989	TRUE	8.94E-11
Allergic asthma	RPTOR	cg16886414	rs12939768	T	A	-1.157	0.020	0.226	<1E-200	0.031	0.016	0.045	0.465	3208.673	TRUE	<1E-200
Allergic asthma	RPTOR	cg16886414	rs142546211	A	G	-0.727	0.109	0.019	2.15E-11	0.050	0.055	0.360	0.012	44.809	TRUE	6.83E-11

Allergic asthma	RPTOR	cg16886414	rs183036865	A	G	0.425	0.056	0.041	4.41E-14	0.003	0.034	0.942	0.015	56.947	TRUE	8.36E-14
Allergic asthma	RPTOR	cg16886414	rs2289764	C	T	-0.238	0.027	0.241	4.56E-18	0.016	0.015	0.296	0.020	75.023	TRUE	2.99E-17
Allergic asthma	RPTOR	cg16886414	rs4969219	G	T	-0.147	0.024	0.388	1.27E-09	-0.013	0.014	0.364	0.010	36.835	TRUE	3.46E-09
Allergic asthma	RPTOR	cg16886414	rs4969329	G	A	0.203	0.028	0.251	2.19E-13	-0.004	0.015	0.796	0.014	53.802	TRUE	4.68E-13
Allergic asthma	RPTOR	cg16886414	rs71368095	A	G	0.704	0.027	0.219	1.60E-153	-0.006	0.016	0.696	0.158	696.272	TRUE	3.06E-142
Allergic asthma	RPTOR	cg16886414	rs7220687	C	T	-0.381	0.026	0.289	9.31E-50	0.020	0.016	0.210	0.056	219.823	TRUE	3.36E-47
Allergic asthma	RPTOR	cg16886414	rs72850524	T	C	0.448	0.064	0.037	2.23E-12	0.005	0.044	0.909	0.013	49.246	TRUE	3.97E-12
Allergic asthma	RPTOR	cg16886414	rs72859646	T	C	-0.904	0.068	0.026	1.18E-40	0.023	0.030	0.437	0.046	178.139	TRUE	5.95E-39
Allergic asthma	RPTOR	cg16892887	rs11656246	A	G	-0.307	0.026	0.241	4.50E-31	-0.007	0.017	0.667	0.035	134.310	TRUE	4.87E-30
Allergic asthma	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	-0.005	0.035	0.895	0.011	40.360	TRUE	3.38E-10
Allergic asthma	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	0.026	0.018	0.137	0.016	60.193	TRUE	6.09E-14
Allergic asthma	RPTOR	cg16892887	rs3751934	A	C	-0.177	0.024	0.401	1.90E-13	-0.008	0.014	0.572	0.014	54.077	TRUE	5.34E-13
Allergic asthma	RPTOR	cg16892887	rs4969293	A	T	0.210	0.028	0.211	1.81E-13	0.018	0.016	0.255	0.014	54.174	TRUE	8.37E-13
Allergic asthma	RPTOR	cg16892887	rs4969323	C	G	-0.175	0.030	0.203	5.27E-09	0.007	0.017	0.674	0.009	34.070	TRUE	9.67E-09
Allergic asthma	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	0.023	0.030	0.437	0.011	42.303	TRUE	2.11E-10
Allergic asthma	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	0.010	0.014	0.473	0.011	42.634	TRUE	1.71E-10
Allergic asthma	RPTOR	cg16892887	rs908236	C	G	0.462	0.024	0.351	2.49E-82	0.019	0.014	0.177	0.091	369.231	TRUE	2.49E-77
Allergic asthma	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	0.035	0.016	0.032	0.028	105.290	TRUE	4.80E-23
Allergic asthma	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	-0.006	0.014	0.671	0.027	101.286	TRUE	4.31E-23
Allergic asthma	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	-0.025	0.017	0.147	0.008	31.398	TRUE	7.30E-08
Allergic asthma	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	0.041	0.028	0.142	0.022	83.367	TRUE	8.18E-19
Allergic asthma	RPTOR	cg16980736	rs2138118	A	C	0.158	0.024	0.483	2.52E-11	-0.018	0.014	0.186	0.012	44.495	TRUE	1.10E-10
Allergic asthma	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	0.021	0.014	0.124	0.008	31.087	TRUE	9.01E-08
Allergic asthma	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	-0.049	0.037	0.186	0.024	92.237	TRUE	9.68E-21
Allergic asthma	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	-0.023	0.021	0.280	0.010	36.268	TRUE	5.17E-09
Allergic asthma	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	0.028	0.041	0.491	0.008	30.872	TRUE	5.72E-08
Allergic asthma	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	-0.027	0.017	0.112	0.011	39.759	TRUE	1.35E-09
Allergic asthma	RPTOR	cg17060157	rs4889874	G	A	0.149	0.027	0.239	5.00E-08	-0.004	0.018	0.815	0.008	29.701	TRUE	7.62E-08
Allergic asthma	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	-0.010	0.014	0.462	0.032	122.625	TRUE	2.05E-27
Allergic asthma	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	-0.020	0.019	0.295	0.011	42.439	TRUE	2.43E-10
Allergic asthma	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	0.026	0.018	0.137	0.016	59.059	TRUE	1.05E-13
Allergic asthma	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	-0.018	0.028	0.536	0.010	36.306	TRUE	3.65E-09
Allergic asthma	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	-0.007	0.017	0.673	0.056	220.988	TRUE	4.62E-48
Allergic asthma	RPTOR	cg17180011	rs4969293	A	T	0.648	0.028	0.211	2.29E-120	0.018	0.016	0.255	0.128	543.915	TRUE	5.56E-112
Allergic asthma	RPTOR	cg17180011	rs4969307	C	G	0.245	0.024	0.357	1.60E-23	0.019	0.014	0.177	0.026	99.850	TRUE	2.56E-22
Allergic asthma	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	0.027	0.021	0.204	0.011	39.703	TRUE	1.10E-09
Allergic asthma	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	0.023	0.030	0.437	0.014	53.870	TRUE	7.11E-13
Allergic asthma	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	-0.010	0.014	0.493	0.008	29.793	TRUE	9.78E-08
Allergic asthma	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	-0.003	0.020	0.886	0.279	1428.138	TRUE	5.60E-275
Allergic asthma	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	-0.072	0.073	0.323	0.015	56.667	TRUE	2.17E-13
Allergic asthma	RPTOR	cg17481637	rs116989815	T	A	-0.576	0.100	0.035	9.75E-09	0.034	0.048	0.477	0.009	32.873	TRUE	2.15E-08
Allergic asthma	RPTOR	cg17481637	rs117878919	A	G	0.309	0.055	0.092	1.58E-08	-0.010	0.023	0.659	0.009	31.933	TRUE	2.85E-08

Allergic asthma	RPTOR	cg17481637	rs118179825	G	C	-0.577	0.105	0.012	4.31E-08	0.001	0.072	0.988	0.008	29.990	TRUE	5.70E-08
Allergic asthma	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	0.018	0.015	0.219	0.010	36.376	TRUE	5.46E-09
Allergic asthma	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	0.002	0.014	0.886	0.018	68.429	TRUE	3.06E-16
Allergic asthma	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	-0.009	0.014	0.514	0.031	116.789	TRUE	3.10E-26
Allergic asthma	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	-0.015	0.016	0.349	0.010	35.644	TRUE	6.36E-09
Allergic asthma	RPTOR	cg17481637	rs56179246	G	A	-0.405	0.045	0.075	1.51E-19	-0.011	0.030	0.722	0.022	81.757	TRUE	5.47E-19
Allergic asthma	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	0.025	0.016	0.121	0.014	53.488	TRUE	1.66E-12
Allergic asthma	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	0.020	0.014	0.141	0.022	82.506	TRUE	1.25E-18
Allergic asthma	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	0.000	0.059	1.000	0.011	40.621	TRUE	2.68E-10
Allergic asthma	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	0.026	0.018	0.137	0.026	99.279	TRUE	3.93E-22
Allergic asthma	RPTOR	cg17628491	rs13341621	A	G	-0.373	0.050	0.080	7.91E-14	-0.018	0.028	0.535	0.015	55.799	TRUE	2.40E-13
Allergic asthma	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	0.050	0.055	0.360	0.020	74.413	TRUE	3.53E-17
Allergic asthma	RPTOR	cg17628491	rs143673290	A	G	-0.502	0.089	0.039	1.76E-08	0.037	0.049	0.454	0.009	31.726	TRUE	3.89E-08
Allergic asthma	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	0.183	0.091	0.045	0.013	48.407	TRUE	2.82E-11
Allergic asthma	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	0.016	0.015	0.296	0.466	3226.955	TRUE	<1E-200
Allergic asthma	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	0.012	0.014	0.372	0.008	31.139	TRUE	5.74E-08
Allergic asthma	RPTOR	cg17628491	rs4969307	C	G	-0.290	0.024	0.357	1.54E-32	0.019	0.014	0.177	0.037	141.007	TRUE	6.89E-31
Allergic asthma	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	0.040	0.018	0.025	0.013	49.367	TRUE	2.17E-11
Allergic asthma	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	0.027	0.021	0.204	0.017	64.381	TRUE	6.55E-15
Allergic asthma	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	0.016	0.014	0.230	0.075	298.255	TRUE	3.33E-63
Allergic asthma	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	0.036	0.022	0.102	0.009	35.133	TRUE	1.33E-08
Allergic asthma	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	0.023	0.030	0.437	0.050	193.782	TRUE	3.46E-42
Allergic asthma	RPTOR	cg17628491	rs7502314	C	G	-0.174	0.030	0.188	7.48E-09	0.004	0.017	0.791	0.009	33.387	TRUE	1.22E-08
Allergic asthma	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	0.016	0.031	0.598	0.012	45.677	TRUE	3.27E-11
Allergic asthma	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	-0.026	0.110	0.813	0.008	31.152	TRUE	3.68E-08
Allergic asthma	RPTOR	cg17628491	rs8070259	T	C	-0.159	0.028	0.238	8.19E-09	-0.005	0.017	0.756	0.009	33.212	TRUE	1.38E-08
Allergic asthma	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	-0.020	0.019	0.295	0.008	30.261	TRUE	9.81E-08
Allergic asthma	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	-0.003	0.015	0.852	0.015	55.708	TRUE	1.71E-13
Allergic asthma	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	-0.010	0.015	0.503	0.032	122.840	TRUE	1.70E-27
Allergic asthma	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	-0.017	0.014	0.227	0.010	37.304	TRUE	3.41E-09
Allergic asthma	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	0.005	0.014	0.739	0.080	320.196	TRUE	2.05E-68
Allergic asthma	RPTOR	cg17831694	rs8077305	T	A	-0.167	0.030	0.212	1.71E-08	-0.025	0.015	0.106	0.009	31.786	TRUE	6.73E-08
Allergic asthma	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	-0.015	0.017	0.391	0.009	32.807	TRUE	2.45E-08
Allergic asthma	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	-0.001	0.039	0.975	0.009	32.642	TRUE	1.51E-08
Allergic asthma	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	-0.012	0.023	0.606	0.010	38.913	TRUE	9.27E-10
Allergic asthma	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	-0.003	0.025	0.911	0.042	161.747	TRUE	5.56E-36
Allergic asthma	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	0.002	0.029	0.958	0.018	69.264	TRUE	1.86E-16
Allergic asthma	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	-0.033	0.050	0.507	0.011	41.759	TRUE	2.53E-10
Allergic asthma	RPTOR	cg17906851	rs2289763	G	C	0.267	0.036	0.119	2.68E-13	0.019	0.022	0.388	0.014	53.403	TRUE	9.62E-13
Allergic asthma	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	-0.091	0.056	0.105	0.034	129.932	TRUE	1.96E-28
Allergic asthma	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	-0.026	0.016	0.119	0.013	46.915	TRUE	4.07E-11
Allergic asthma	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	-0.011	0.015	0.465	0.112	468.317	TRUE	1.24E-97

Allergic asthma	RPTOR	cg17906851	rs71368095	A	G	-0.502	0.027	0.219	4.10E-75	-0.006	0.016	0.696	0.083	336.110	TRUE	1.39E-71
Allergic asthma	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	-0.057	0.014	3.70E-05	0.008	31.275	TRUE	4.28E-07
Allergic asthma	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	0.005	0.044	0.909	0.015	54.467	TRUE	2.97E-13
Allergic asthma	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	0.023	0.030	0.437	0.011	41.541	TRUE	3.07E-10
Allergic asthma	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	-0.002	0.017	0.888	0.035	133.841	TRUE	4.12E-30
Allergic asthma	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	-0.012	0.014	0.379	0.532	4204.107	TRUE	<1E-200
Allergic asthma	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	0.019	0.017	0.251	0.070	277.053	TRUE	5.93E-59
Allergic asthma	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	-0.039	0.041	0.342	0.008	31.598	TRUE	4.75E-08
Allergic asthma	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	0.010	0.014	0.473	0.052	204.697	TRUE	1.75E-44
Allergic asthma	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	-0.014	0.023	0.528	0.012	45.994	TRUE	3.04E-11
Allergic asthma	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	-0.012	0.016	0.443	0.018	68.397	TRUE	5.72E-16
Allergic asthma	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	-0.006	0.014	0.640	0.036	136.287	TRUE	1.98E-30
Allergic asthma	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	-0.038	0.029	0.193	0.008	31.151	TRUE	7.48E-08
Allergic asthma	RPTOR	cg17956530	rs4555197	G	C	-0.257	0.027	0.243	3.55E-21	-0.011	0.015	0.449	0.024	89.159	TRUE	2.29E-20
Allergic asthma	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	0.005	0.014	0.703	0.020	77.265	TRUE	5.07E-18
Allergic asthma	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	0.029	0.020	0.151	0.011	42.769	TRUE	2.78E-10
Allergic asthma	RPTOR	cg17956530	rs56179246	G	A	-0.719	0.044	0.075	2.97E-59	-0.011	0.030	0.722	0.066	263.354	TRUE	8.12E-57
Allergic asthma	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	0.036	0.022	0.102	0.023	87.291	TRUE	1.48E-19
Allergic asthma	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	0.040	0.018	0.025	0.009	35.276	TRUE	1.89E-08
Allergic asthma	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	0.025	0.016	0.121	0.024	89.850	TRUE	3.93E-20
Allergic asthma	RPTOR	cg17956530	rs76473598	G	C	-1.119	0.161	0.012	3.40E-12	0.053	0.061	0.388	0.013	48.417	TRUE	1.11E-11
Allergic asthma	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	-0.014	0.020	0.494	0.281	1445.230	TRUE	6.41E-277
Allergic asthma	RPTOR	cg18091083	rs118179825	G	C	-1.213	0.105	0.012	7.60E-31	0.001	0.072	0.988	0.035	133.272	TRUE	4.58E-30
Allergic asthma	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	0.020	0.014	0.156	0.012	44.645	TRUE	1.10E-10
Allergic asthma	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	0.006	0.015	0.661	0.023	88.440	TRUE	2.29E-20
Allergic asthma	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	-0.015	0.014	0.286	0.017	65.564	TRUE	3.04E-15
Allergic asthma	RPTOR	cg18091083	rs55737346	C	T	-0.534	0.073	0.034	2.34E-13	-0.031	0.045	0.492	0.014	53.663	TRUE	7.28E-13
Allergic asthma	RPTOR	cg18091083	rs73368831	C	A	-1.433	0.051	0.045	1.22E-173	0.046	0.040	0.251	0.176	788.744	TRUE	1.08E-158
Allergic asthma	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	-0.027	0.017	0.109	0.031	119.579	TRUE	2.69E-26
Allergic asthma	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	-0.012	0.023	0.606	0.014	53.078	TRUE	8.36E-13
Allergic asthma	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	-0.018	0.018	0.317	0.018	69.142	TRUE	5.00E-16
Allergic asthma	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	-0.003	0.025	0.911	0.026	98.870	TRUE	9.67E-23
Allergic asthma	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	0.002	0.029	0.958	0.013	50.255	TRUE	2.28E-12
Allergic asthma	RPTOR	cg18425700	rs2271610	G	C	0.410	0.033	0.135	1.16E-34	0.015	0.019	0.421	0.039	150.710	TRUE	3.08E-33
Allergic asthma	RPTOR	cg18425700	rs36022926	T	A	0.155	0.027	0.250	1.01E-08	0.034	0.014	0.018	0.009	32.807	TRUE	6.72E-08
Allergic asthma	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	-0.014	0.014	0.308	0.035	133.856	TRUE	1.35E-29
Allergic asthma	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	0.001	0.014	0.922	0.014	52.062	TRUE	9.65E-13
Allergic asthma	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	-0.013	0.028	0.640	0.014	50.958	TRUE	2.29E-12
Allergic asthma	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	0.008	0.018	0.662	0.009	32.639	TRUE	2.00E-08
Allergic asthma	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	0.020	0.023	0.379	0.010	38.274	TRUE	1.66E-09
Allergic asthma	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	-0.006	0.016	0.696	0.078	314.425	TRUE	3.42E-67
Allergic asthma	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	-0.012	0.014	0.379	0.352	2010.044	TRUE	<1E-200

Allergic asthma	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	-0.002	0.017	0.889	0.008	30.398	TRUE	5.04E-08
Allergic asthma	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	0.010	0.014	0.473	0.044	171.059	TRUE	1.59E-37
Allergic asthma	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	-0.014	0.014	0.309	0.010	36.122	TRUE	5.32E-09
Allergic asthma	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	-0.008	0.014	0.574	0.010	38.530	TRUE	1.16E-09
Allergic asthma	RPTOR	cg18607849	rs62069420	A	T	-0.830	0.050	0.058	5.35E-63	-0.049	0.037	0.187	0.070	280.523	TRUE	1.63E-59
Allergic asthma	RPTOR	cg18612040	rs908236	C	G	-0.181	0.025	0.351	2.11E-13	0.019	0.014	0.177	0.014	53.870	TRUE	1.16E-12
Allergic asthma	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	0.031	0.014	0.030	0.009	33.015	TRUE	5.37E-08
Allergic asthma	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	-0.008	0.018	0.674	0.023	85.240	TRUE	1.07E-19
Allergic asthma	RPTOR	cg18758433	rs118179825	G	C	0.839	0.105	0.012	1.44E-15	0.001	0.072	0.988	0.017	63.675	TRUE	2.83E-15
Allergic asthma	RPTOR	cg18758433	rs12601434	G	C	-0.312	0.027	0.234	6.97E-31	-0.018	0.016	0.277	0.035	133.445	TRUE	1.80E-29
Allergic asthma	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	-0.025	0.017	0.147	0.009	35.105	TRUE	1.19E-08
Allergic asthma	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	-0.009	0.014	0.511	0.077	308.823	TRUE	8.06E-66
Allergic asthma	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	-0.009	0.023	0.691	0.015	57.192	TRUE	9.91E-14
Allergic asthma	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	-0.003	0.035	0.936	0.015	54.566	TRUE	2.74E-13
Allergic asthma	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	0.038	0.019	0.040	0.010	36.696	TRUE	8.35E-09
Allergic asthma	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	0.080	0.041	0.052	0.010	37.556	TRUE	5.10E-09
Allergic asthma	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	0.052	0.015	4.04E-04	0.009	33.443	TRUE	1.07E-07
Allergic asthma	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	0.006	0.014	0.699	0.080	319.702	TRUE	2.89E-68
Allergic asthma	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	0.012	0.014	0.377	0.010	36.422	TRUE	4.17E-09
Allergic asthma	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	-0.001	0.013	0.920	0.009	33.497	TRUE	1.03E-08
Allergic asthma	RPTOR	cg18780100	rs9915667	A	G	0.178	0.024	0.438	4.64E-14	-0.015	0.014	0.293	0.015	56.844	TRUE	2.11E-13
Allergic asthma	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	0.002	0.029	0.958	0.012	45.247	TRUE	2.76E-11
Allergic asthma	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	-0.003	0.015	0.852	0.014	53.123	TRUE	6.16E-13
Allergic asthma	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	0.029	0.020	0.151	0.034	130.485	TRUE	1.18E-28
Allergic asthma	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	-0.019	0.035	0.577	0.011	41.353	TRUE	2.85E-10
Allergic asthma	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	-0.010	0.014	0.492	0.026	99.388	TRUE	1.47E-22
Allergic asthma	RPTOR	cg19292222	rs13341621	A	G	0.328	0.050	0.080	5.55E-11	-0.018	0.028	0.535	0.011	42.949	TRUE	1.36E-10
Allergic asthma	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	-0.033	0.050	0.507	0.029	110.081	TRUE	8.05E-25
Allergic asthma	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	0.007	0.019	0.718	0.125	527.692	TRUE	1.03E-109
Allergic asthma	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	0.037	0.045	0.412	0.009	33.116	TRUE	2.05E-08
Allergic asthma	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	0.023	0.014	0.089	0.049	190.676	TRUE	6.62E-41
Allergic asthma	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	0.025	0.023	0.285	0.164	725.624	TRUE	6.41E-147
Allergic asthma	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	0.005	0.014	0.739	0.022	82.705	TRUE	3.36E-19
Allergic asthma	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	-0.020	0.019	0.295	0.012	46.047	TRUE	4.13E-11
Allergic asthma	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	-0.003	0.015	0.852	0.035	133.965	TRUE	4.13E-30
Allergic asthma	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	-0.012	0.044	0.781	0.019	73.524	TRUE	2.86E-17
Allergic asthma	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	0.034	0.020	0.094	0.060	237.963	TRUE	1.40E-50
Allergic asthma	RPTOR	cg19394169	rs4969323	C	G	-0.255	0.030	0.203	2.72E-17	0.007	0.017	0.674	0.019	71.502	TRUE	8.90E-17
Allergic asthma	RPTOR	cg19394169	rs547581211	A	T	0.341	0.059	0.036	6.11E-09	0.045	0.040	0.264	0.009	33.782	TRUE	1.81E-08
Allergic asthma	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	0.003	0.014	0.843	0.012	45.232	TRUE	3.13E-11
Allergic asthma	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	-0.003	0.014	0.847	0.053	205.905	TRUE	4.09E-45
Allergic asthma	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	-0.006	0.018	0.751	0.051	197.506	TRUE	2.76E-43

Allergic asthma	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	-0.001	0.014	0.917	0.441	2922.027	TRUE	<1E-200
Allergic asthma	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	0.021	0.016	0.197	0.050	194.802	TRUE	4.88E-42
Allergic asthma	RPTOR	cg19394169	rs9903399	C	T	0.231	0.041	0.222	1.56E-08	-0.016	0.018	0.367	0.009	31.960	TRUE	3.84E-08
Allergic asthma	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	0.001	0.015	0.953	0.053	206.602	TRUE	2.34E-45
Allergic asthma	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	0.028	0.014	0.041	0.008	30.878	TRUE	1.38E-07
Allergic asthma	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	0.026	0.027	0.330	0.031	117.133	TRUE	3.93E-26
Allergic asthma	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	0.036	0.022	0.102	0.009	33.866	TRUE	2.47E-08
Allergic asthma	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	-0.049	0.037	0.186	0.010	38.061	TRUE	2.55E-09
Allergic asthma	RPTOR	cg20462129	rs9915667	A	G	-0.140	0.023	0.438	1.62E-09	-0.015	0.014	0.293	0.010	36.364	TRUE	4.83E-09
Allergic asthma	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	-0.003	0.020	0.886	0.012	44.267	TRUE	4.85E-11
Allergic asthma	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	-0.008	0.014	0.574	0.015	56.992	TRUE	1.27E-13
Allergic asthma	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	0.029	0.033	0.375	0.038	144.150	TRUE	8.04E-32
Allergic asthma	RPTOR	cg20500836	rs908241	A	G	-0.264	0.047	0.129	1.77E-08	0.035	0.017	0.044	0.009	31.717	TRUE	9.04E-08
Allergic asthma	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	-0.011	0.014	0.415	0.488	3524.466	TRUE	<1E-200
Allergic asthma	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	0.044	0.018	0.015	0.013	49.906	TRUE	1.95E-11
Allergic asthma	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	-0.007	0.031	0.832	0.031	117.598	TRUE	1.19E-26
Allergic asthma	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	0.020	0.015	0.187	0.012	45.166	TRUE	7.88E-11
Allergic asthma	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	0.028	0.016	0.080	0.015	56.727	TRUE	4.13E-13
Allergic asthma	RPTOR	cg20502501	rs4969426	A	T	-0.179	0.024	0.375	6.79E-14	0.011	0.014	0.411	0.015	56.097	TRUE	2.48E-13
Allergic asthma	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	-0.049	0.037	0.186	0.034	129.225	TRUE	1.85E-28
Allergic asthma	RPTOR	cg20502501	rs60024815	T	A	-0.365	0.027	0.251	8.50E-43	-0.015	0.015	0.337	0.048	187.943	TRUE	7.44E-41
Allergic asthma	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	0.031	0.027	0.251	0.036	138.193	TRUE	2.00E-30
Allergic asthma	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	-0.006	0.014	0.669	0.012	44.178	TRUE	6.35E-11
Allergic asthma	RPTOR	cg20502501	rs73368831	C	A	0.627	0.053	0.045	7.12E-32	0.046	0.040	0.251	0.036	137.973	TRUE	2.23E-30
Allergic asthma	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	0.018	0.022	0.399	0.042	162.462	TRUE	1.17E-35
Allergic asthma	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	0.025	0.014	0.073	0.052	203.321	TRUE	1.98E-43
Allergic asthma	RPTOR	cg20758492	rs9894515	T	A	-0.363	0.058	0.041	4.72E-10	0.029	0.041	0.480	0.010	38.767	TRUE	1.15E-09
Allergic asthma	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	0.016	0.082	0.846	0.008	31.647	TRUE	2.79E-08
Allergic asthma	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	0.014	0.020	0.483	0.072	287.126	TRUE	2.23E-61
Allergic asthma	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	0.005	0.014	0.708	0.011	40.326	TRUE	4.13E-10
Allergic asthma	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	-0.016	0.014	0.247	0.010	35.825	TRUE	6.80E-09
Allergic asthma	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	0.002	0.015	0.907	0.033	124.669	TRUE	3.41E-28
Allergic asthma	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	0.031	0.014	0.030	0.035	132.425	TRUE	1.25E-28
Allergic asthma	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	0.053	0.016	6.86E-04	0.019	72.347	TRUE	1.10E-15
Allergic asthma	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	-0.019	0.016	0.251	0.304	1614.509	TRUE	1.12E-304
Allergic asthma	RPTOR	cg21143224	rs112803228	A	G	-0.886	0.106	0.031	4.76E-17	0.049	0.061	0.422	0.019	70.396	TRUE	2.23E-16
Allergic asthma	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	-0.064	0.053	0.225	0.015	57.513	TRUE	1.75E-13
Allergic asthma	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	-0.003	0.014	0.821	0.009	33.969	TRUE	8.88E-09
Allergic asthma	RPTOR	cg21143224	rs4072746	T	C	0.215	0.038	0.115	1.62E-08	0.041	0.017	0.018	0.009	31.890	TRUE	1.05E-07
Allergic asthma	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	-0.053	0.020	0.008	0.040	155.050	TRUE	5.66E-33
Allergic asthma	RPTOR	cg21143224	rs4555197	G	C	0.262	0.027	0.243	5.03E-22	-0.011	0.015	0.449	0.025	93.025	TRUE	3.51E-21
Allergic asthma	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	0.030	0.041	0.473	0.027	101.411	TRUE	5.73E-23

Allergic asthma	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	-0.006	0.014	0.671	0.048	187.472	TRUE	3.96E-41
Allergic asthma	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	0.036	0.022	0.102	0.010	38.129	TRUE	3.09E-09
Allergic asthma	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	0.008	0.018	0.656	0.023	87.734	TRUE	3.25E-20
Allergic asthma	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	-0.017	0.019	0.373	0.015	56.424	TRUE	2.24E-13
Allergic asthma	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	0.011	0.020	0.588	0.021	80.923	TRUE	1.00E-18
Allergic asthma	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	0.053	0.016	6.86E-04	0.011	40.656	TRUE	3.28E-09
Allergic asthma	RPTOR	cg21507958	rs118179825	G	C	-0.836	0.105	0.012	2.07E-15	0.001	0.072	0.988	0.017	62.965	TRUE	4.02E-15
Allergic asthma	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	0.006	0.015	0.661	0.016	60.923	TRUE	1.64E-14
Allergic asthma	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	-0.015	0.014	0.293	0.019	73.530	TRUE	6.21E-17
Allergic asthma	RPTOR	cg21507958	rs73368831	C	A	-1.228	0.052	0.045	8.50E-124	0.046	0.040	0.251	0.131	559.674	TRUE	4.95E-115
Allergic asthma	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	0.009	0.046	0.840	0.031	117.654	TRUE	1.15E-26
Allergic asthma	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	-0.039	0.041	0.342	0.033	127.980	TRUE	2.06E-28
Allergic asthma	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	0.016	0.016	0.294	0.019	73.517	TRUE	6.24E-17
Allergic asthma	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	-0.006	0.016	0.696	0.024	91.490	TRUE	4.89E-21
Allergic asthma	RPTOR	cg22255288	rs75032657	G	C	-0.171	0.026	0.242	1.17E-10	-0.006	0.016	0.696	0.011	41.499	TRUE	2.33E-10
Allergic asthma	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	0.006	0.014	0.651	0.020	75.074	TRUE	1.60E-17
Allergic asthma	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	0.050	0.027	0.063	0.013	47.957	TRUE	3.12E-11
Allergic asthma	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	0.000	0.014	0.984	0.031	118.674	TRUE	5.54E-27
Allergic asthma	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	0.016	0.082	0.846	0.009	32.766	TRUE	1.59E-08
Allergic asthma	RPTOR	cg22386583	rs139980334	C	T	-0.297	0.047	0.065	3.04E-10	0.043	0.029	0.140	0.011	39.627	TRUE	1.33E-09
Allergic asthma	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	-0.034	0.024	0.160	0.094	384.224	TRUE	2.87E-80
Allergic asthma	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	0.003	0.014	0.855	0.014	53.350	TRUE	5.48E-13
Allergic asthma	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	-0.003	0.025	0.911	0.009	34.867	TRUE	5.22E-09
Allergic asthma	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	-0.007	0.017	0.667	0.054	209.690	TRUE	1.01E-45
Allergic asthma	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	0.012	0.020	0.544	0.009	34.689	TRUE	8.09E-09
Allergic asthma	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	0.026	0.018	0.137	0.056	217.933	TRUE	1.22E-46
Allergic asthma	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	-0.018	0.028	0.535	0.024	91.304	TRUE	6.93E-21
Allergic asthma	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	0.183	0.091	0.045	0.014	52.044	TRUE	4.89E-12
Allergic asthma	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	0.016	0.015	0.296	0.405	2517.411	TRUE	<1E-200
Allergic asthma	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	0.040	0.018	0.025	0.014	53.530	TRUE	2.94E-12
Allergic asthma	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	0.027	0.021	0.204	0.012	44.399	TRUE	1.10E-10
Allergic asthma	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	0.036	0.022	0.102	0.010	36.424	TRUE	7.09E-09
Allergic asthma	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	0.023	0.030	0.437	0.017	62.390	TRUE	1.09E-14
Allergic asthma	RPTOR	cg22636722	rs908236	C	G	0.291	0.025	0.351	2.76E-32	0.019	0.014	0.177	0.036	139.849	TRUE	1.20E-30
Allergic asthma	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	-0.010	0.014	0.493	0.012	43.433	TRUE	1.12E-10
Allergic asthma	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	-0.015	0.014	0.293	0.014	52.792	TRUE	1.52E-12
Allergic asthma	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	0.000	0.015	0.976	0.011	43.014	TRUE	8.28E-11
Allergic asthma	RPTOR	cg22652378	rs34461761	C	G	0.265	0.037	0.114	1.50E-12	-0.015	0.028	0.581	0.013	50.017	TRUE	3.91E-12
Allergic asthma	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	-0.005	0.014	0.729	0.046	179.265	TRUE	1.77E-39
Allergic asthma	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	-0.016	0.015	0.289	0.008	31.504	TRUE	5.35E-08
Allergic asthma	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	0.011	0.020	0.579	0.032	121.569	TRUE	2.71E-27
Allergic asthma	RPTOR	cg22838354	rs4969429	A	G	-0.153	0.026	0.273	4.78E-09	0.029	0.015	0.060	0.009	34.257	TRUE	2.41E-08

Allergic asthma	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	0.044	0.018	0.015	0.026	97.401	TRUE	2.86E-21
Allergic asthma	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	-0.007	0.031	0.832	0.025	95.993	TRUE	4.43E-22
Allergic asthma	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	0.016	0.082	0.846	0.020	75.083	TRUE	1.22E-17
Allergic asthma	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	0.026	0.015	0.081	0.167	743.121	TRUE	2.56E-149
Allergic asthma	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	-0.017	0.014	0.233	0.056	219.195	TRUE	4.07E-47
Allergic asthma	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	-0.034	0.024	0.160	0.211	988.951	TRUE	2.96E-195
Allergic asthma	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	0.036	0.022	0.102	0.022	82.919	TRUE	1.21E-18
Allergic asthma	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	0.040	0.018	0.025	0.030	113.519	TRUE	1.08E-24
Allergic asthma	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	0.008	0.018	0.656	0.039	150.824	TRUE	1.74E-33
Allergic asthma	RPTOR	cg22878693	rs72858222	G	C	-0.672	0.096	0.035	1.96E-12	0.080	0.041	0.054	0.013	49.493	TRUE	1.57E-11
Allergic asthma	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	0.003	0.014	0.807	0.048	187.509	TRUE	2.92E-41
Allergic asthma	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	-0.023	0.017	0.172	0.024	91.212	TRUE	1.67E-20
Allergic asthma	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	-0.003	0.035	0.936	0.049	190.893	TRUE	4.44E-42
Allergic asthma	RPTOR	cg22984380	rs139980334	C	T	-0.514	0.047	0.065	6.91E-28	0.043	0.029	0.140	0.031	119.761	TRUE	2.10E-26
Allergic asthma	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	0.000	0.015	0.976	0.040	153.368	TRUE	2.80E-34
Allergic asthma	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	-0.028	0.020	0.176	0.017	64.965	TRUE	5.32E-15
Allergic asthma	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	-0.008	0.014	0.574	0.088	355.387	TRUE	2.62E-75
Allergic asthma	RPTOR	cg22984380	rs4969429	A	G	0.277	0.026	0.273	6.39E-26	0.029	0.015	0.060	0.029	110.788	TRUE	2.54E-24
Allergic asthma	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	0.022	0.017	0.199	0.020	74.822	TRUE	4.20E-17
Allergic asthma	RPTOR	cg22984380	rs7223529	A	T	0.220	0.028	0.228	3.05E-15	-0.013	0.016	0.392	0.017	62.200	TRUE	1.29E-14
Allergic asthma	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	0.018	0.022	0.399	0.078	313.751	TRUE	1.18E-66
Allergic asthma	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	0.000	0.017	0.982	0.367	2143.020	TRUE	<1E-200
Allergic asthma	RPTOR	cg22984380	rs9909563	T	A	-0.317	0.027	0.269	2.02E-32	0.053	0.015	3.45E-04	0.037	140.477	TRUE	1.84E-29
Allergic asthma	RPTOR	cg23019125	rs112803228	A	G	-0.677	0.106	0.031	1.77E-10	0.049	0.061	0.422	0.011	40.686	TRUE	4.77E-10
Allergic asthma	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	-0.068	0.076	0.366	0.016	59.253	TRUE	5.69E-14
Allergic asthma	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	-0.014	0.016	0.391	0.015	55.471	TRUE	3.47E-13
Allergic asthma	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	0.000	0.020	0.983	0.168	749.017	TRUE	9.38E-153
Allergic asthma	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	-0.017	0.017	0.310	0.019	69.915	TRUE	3.47E-16
Allergic asthma	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	-0.008	0.014	0.574	0.031	118.686	TRUE	1.10E-26
Allergic asthma	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	0.022	0.017	0.199	0.009	32.241	TRUE	4.32E-08
Allergic asthma	RPTOR	cg23238734	rs8073414	G	A	-0.172	0.024	0.353	1.84E-12	0.017	0.014	0.210	0.013	49.618	TRUE	8.52E-12
Allergic asthma	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	-0.035	0.024	0.144	0.014	52.300	TRUE	2.74E-12
Allergic asthma	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	0.012	0.019	0.510	0.009	34.477	TRUE	9.33E-09
Allergic asthma	RPTOR	cg23463786	rs9889802	G	C	-0.174	0.030	0.184	8.81E-09	0.035	0.016	0.033	0.009	33.071	TRUE	5.09E-08
Allergic asthma	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	-0.004	0.014	0.744	0.009	33.008	TRUE	1.54E-08
Allergic asthma	RPTOR	cg23542426	rs7209810	C	G	0.498	0.049	0.059	4.86E-24	-0.048	0.037	0.191	0.027	102.207	TRUE	7.82E-23
Allergic asthma	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	0.019	0.015	0.198	0.024	91.546	TRUE	1.30E-20
Allergic asthma	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	0.002	0.029	0.958	0.014	52.290	TRUE	8.28E-13
Allergic asthma	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	-0.003	0.015	0.852	0.022	84.064	TRUE	1.47E-19
Allergic asthma	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	0.029	0.020	0.151	0.058	226.660	TRUE	1.84E-48
Allergic asthma	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	0.023	0.030	0.437	0.009	34.912	TRUE	8.16E-09
Allergic asthma	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	0.019	0.016	0.220	0.010	37.620	TRUE	2.95E-09

Allergic asthma	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	-0.017	0.014	0.234	0.120	502.239	TRUE	8.56E-104
Allergic asthma	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	0.012	0.020	0.544	0.012	43.945	TRUE	8.21E-11
Allergic asthma	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	0.183	0.091	0.045	0.015	57.490	TRUE	3.56E-13
Allergic asthma	RPTOR	cg24207068	rs2289763	G	C	1.202	0.032	0.119	<1E-200	0.019	0.022	0.388	0.278	1421.615	TRUE	1.51E-272
Allergic asthma	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	0.080	0.041	0.052	0.008	30.958	TRUE	1.25E-07
Allergic asthma	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	-0.021	0.015	0.160	0.052	201.448	TRUE	2.54E-43
Allergic asthma	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	0.018	0.014	0.212	0.011	41.613	TRUE	4.24E-10
Allergic asthma	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	-0.002	0.016	0.915	0.009	33.984	TRUE	8.10E-09
Allergic asthma	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	-0.028	0.037	0.457	0.020	75.775	TRUE	1.53E-17
Allergic asthma	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	0.040	0.018	0.025	0.016	60.400	TRUE	1.09E-13
Allergic asthma	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	0.025	0.023	0.285	0.027	103.256	TRUE	3.56E-23
Allergic asthma	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	0.019	0.017	0.251	0.075	297.971	TRUE	3.42E-63
Allergic asthma	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	-0.030	0.019	0.125	0.009	32.160	TRUE	5.31E-08
Allergic asthma	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	-0.012	0.023	0.606	0.010	38.374	TRUE	1.21E-09
Allergic asthma	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	-0.020	0.019	0.295	0.018	69.079	TRUE	5.39E-16
Allergic asthma	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	-0.005	0.021	0.794	0.019	71.116	TRUE	9.17E-17
Allergic asthma	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	-0.010	0.014	0.492	0.016	60.754	TRUE	2.24E-14
Allergic asthma	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	-0.119	0.031	1.25E-04	0.008	30.330	TRUE	5.55E-07
Allergic asthma	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	0.016	0.040	0.687	0.010	36.095	TRUE	3.48E-09
Allergic asthma	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	0.003	0.034	0.942	0.017	63.053	TRUE	4.07E-15
Allergic asthma	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	-0.008	0.016	0.620	0.102	418.606	TRUE	5.00E-88
Allergic asthma	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	0.031	0.015	0.040	0.020	74.544	TRUE	1.04E-16
Allergic asthma	RPTOR	cg24315876	rs3751934	A	C	0.387	0.024	0.401	2.99E-59	-0.008	0.014	0.572	0.066	263.340	TRUE	1.21E-56
Allergic asthma	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	-0.012	0.044	0.781	0.020	77.121	TRUE	4.88E-18
Allergic asthma	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	0.003	0.015	0.828	0.159	698.053	TRUE	8.30E-143
Allergic asthma	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	0.009	0.046	0.840	0.010	36.636	TRUE	2.29E-09
Allergic asthma	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	0.003	0.014	0.843	0.018	68.106	TRUE	3.79E-16
Allergic asthma	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	0.029	0.019	0.126	0.110	456.324	TRUE	2.05E-94
Allergic asthma	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	-0.017	0.018	0.321	0.010	38.670	TRUE	1.49E-09
Allergic asthma	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	0.010	0.014	0.473	0.318	1722.199	TRUE	<1E-200
Allergic asthma	RPTOR	cg24315876	rs9903399	C	T	0.294	0.041	0.222	4.93E-13	-0.016	0.018	0.367	0.014	52.203	TRUE	1.79E-12
Allergic asthma	RPTOR	cg24315876	rs9915393	G	C	0.645	0.026	0.258	3.42E-137	0.003	0.015	0.816	0.144	621.228	TRUE	4.77E-128
Allergic asthma	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	0.018	0.016	0.259	0.168	747.648	TRUE	5.33E-151
Allergic asthma	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	-0.003	0.025	0.911	0.009	32.834	TRUE	1.45E-08
Allergic asthma	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	-0.007	0.017	0.667	0.060	235.207	TRUE	5.54E-51
Allergic asthma	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	-0.018	0.028	0.536	0.013	47.762	TRUE	1.26E-11
Allergic asthma	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	-0.021	0.015	0.160	0.013	49.042	TRUE	1.28E-11
Allergic asthma	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	0.022	0.017	0.199	0.008	31.305	TRUE	6.84E-08
Allergic asthma	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	0.036	0.022	0.102	0.010	38.175	TRUE	3.02E-09
Allergic asthma	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	0.023	0.030	0.437	0.011	40.413	TRUE	5.37E-10
Allergic asthma	RPTOR	cg24327522	rs7502321	C	T	0.142	0.024	0.386	3.62E-09	0.003	0.014	0.855	0.009	34.800	TRUE	5.67E-09
Allergic asthma	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	0.019	0.017	0.251	0.037	143.167	TRUE	1.85E-31

Allergic asthma	RPTOR	cg24343322	rs71368095	A	G	-0.159	0.028	0.219	8.46E-09	-0.006	0.016	0.696	0.009	33.148	TRUE	1.50E-08
Allergic asthma	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	-0.012	0.014	0.378	0.024	90.663	TRUE	1.27E-20
Allergic asthma	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	0.014	0.014	0.298	0.014	53.838	TRUE	9.06E-13
Allergic asthma	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	-0.012	0.014	0.395	0.069	273.325	TRUE	1.92E-58
Allergic asthma	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	0.018	0.014	0.200	0.009	32.226	TRUE	4.35E-08
Allergic asthma	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	-0.009	0.032	0.766	0.010	37.168	TRUE	1.88E-09
Allergic asthma	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	0.013	0.014	0.345	0.014	53.012	TRUE	1.25E-12
Allergic asthma	RPTOR	cg25288455	rs12185227	G	C	-0.137	0.024	0.390	7.87E-09	0.028	0.014	0.041	0.009	33.288	TRUE	4.32E-08
Allergic asthma	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	-0.004	0.014	0.768	0.037	143.654	TRUE	4.44E-32
Allergic asthma	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	0.033	0.027	0.227	0.013	48.607	TRUE	1.34E-11
Allergic asthma	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	-0.041	0.029	0.154	0.012	45.656	TRUE	6.76E-11
Allergic asthma	RPTOR	cg25673241	rs12185227	G	C	-0.137	0.024	0.390	9.17E-09	0.028	0.014	0.041	0.009	32.992	TRUE	4.98E-08
Allergic asthma	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	-0.004	0.014	0.768	0.024	92.786	TRUE	2.33E-21
Allergic asthma	RPTOR	cg25673241	rs62069691	T	A	0.302	0.041	0.087	2.13E-13	0.036	0.023	0.119	0.014	53.856	TRUE	1.40E-12
Allergic asthma	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	-0.005	0.014	0.741	0.010	36.864	TRUE	2.24E-09
Allergic asthma	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	-0.008	0.016	0.620	0.012	46.209	TRUE	2.45E-11
Allergic asthma	RPTOR	cg25739309	rs3751937	A	C	-0.188	0.031	0.203	1.19E-09	0.034	0.016	0.040	0.010	36.963	TRUE	7.34E-09
Allergic asthma	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	-0.012	0.015	0.404	0.054	210.465	TRUE	1.38E-45
Allergic asthma	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	-0.018	0.018	0.317	0.008	31.439	TRUE	5.31E-08
Allergic asthma	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	-0.020	0.019	0.295	0.025	94.316	TRUE	2.60E-21
Allergic asthma	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	-0.017	0.016	0.282	0.013	50.567	TRUE	4.62E-12
Allergic asthma	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	0.006	0.019	0.763	0.008	31.173	TRUE	3.80E-08
Allergic asthma	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	0.183	0.091	0.045	0.013	46.839	TRUE	6.01E-11
Allergic asthma	RPTOR	cg25902229	rs181994473	A	G	-0.245	0.044	0.090	2.76E-08	0.005	0.029	0.848	0.008	30.855	TRUE	4.14E-08
Allergic asthma	RPTOR	cg25902229	rs2289765	G	A	1.029	0.033	0.137	1.51E-212	-0.006	0.020	0.780	0.207	967.618	TRUE	4.35E-193
Allergic asthma	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	0.023	0.016	0.158	0.009	34.655	TRUE	1.44E-08
Allergic asthma	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	-0.004	0.014	0.768	0.014	53.714	TRUE	5.04E-13
Allergic asthma	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	-0.017	0.014	0.228	0.291	1521.519	TRUE	6.18E-289
Allergic asthma	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	-0.012	0.014	0.379	0.041	156.454	TRUE	2.19E-34
Allergic asthma	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	0.003	0.014	0.843	0.010	37.626	TRUE	1.39E-09
Allergic asthma	RPTOR	cg25902229	rs58903229	A	T	0.560	0.049	0.080	6.34E-30	-0.017	0.028	0.540	0.034	129.063	TRUE	7.82E-29
Allergic asthma	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	-0.010	0.014	0.492	0.038	144.298	TRUE	5.65E-32
Allergic asthma	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	0.025	0.019	0.179	0.059	230.051	TRUE	3.18E-49
Allergic asthma	RPTOR	cg25902229	rs7209723	C	G	0.163	0.028	0.247	4.09E-09	0.003	0.015	0.865	0.009	34.562	TRUE	6.34E-09
Allergic asthma	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	0.022	0.017	0.199	0.011	41.634	TRUE	4.31E-10
Allergic asthma	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	0.025	0.023	0.285	0.011	39.926	TRUE	8.48E-10
Allergic asthma	RPTOR	cg25902229	rs7502321	C	T	0.205	0.024	0.386	1.29E-17	0.003	0.014	0.855	0.019	72.965	TRUE	3.41E-17
Allergic asthma	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	0.016	0.031	0.598	0.008	30.994	TRUE	4.84E-08
Allergic asthma	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	-0.030	0.019	0.125	0.010	36.328	TRUE	6.93E-09
Allergic asthma	RPTOR	cg25902229	rs9897600	T	C	0.237	0.043	0.082	4.39E-08	-0.049	0.022	0.022	0.008	29.953	TRUE	2.52E-07
Allergic asthma	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	0.011	0.025	0.670	0.008	30.109	TRUE	7.05E-08
Allergic asthma	RPTOR	cg25985643	rs116931702	G	C	-0.398	0.045	0.069	5.70E-19	-0.018	0.025	0.472	0.021	79.127	TRUE	2.90E-18

Allergic asthma	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	-0.017	0.014	0.233	0.017	65.878	TRUE	2.94E-15
Allergic asthma	RPTOR	cg25985643	rs12951739	T	G	-0.639	0.023	0.455	2.38E-175	0.000	0.014	0.990	0.177	796.605	TRUE	9.53E-162
Allergic asthma	RPTOR	cg25985643	rs2672871	C	G	-0.190	0.030	0.187	2.37E-10	-0.017	0.021	0.414	0.011	40.112	TRUE	6.41E-10
Allergic asthma	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	-0.027	0.026	0.297	0.012	46.210	TRUE	3.80E-11
Allergic asthma	RPTOR	cg25985643	rs4072746	T	C	0.231	0.038	0.115	1.63E-09	0.041	0.017	0.018	0.010	36.356	TRUE	1.23E-08
Allergic asthma	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	-0.065	0.026	0.012	0.011	41.998	TRUE	9.18E-10
Allergic asthma	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	0.035	0.028	0.203	0.050	193.597	TRUE	8.39E-42
Allergic asthma	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	0.080	0.041	0.052	0.008	30.300	TRUE	1.72E-07
Allergic asthma	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	0.039	0.018	0.028	0.028	105.859	TRUE	3.91E-23
Allergic asthma	RPTOR	cg25985643	rs72856538	C	G	-0.191	0.028	0.219	1.62E-11	0.013	0.017	0.439	0.012	45.362	TRUE	4.65E-11
Allergic asthma	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	0.023	0.016	0.160	0.040	152.875	TRUE	2.59E-33
Allergic asthma	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	-0.002	0.020	0.936	0.020	76.735	TRUE	4.81E-18
Allergic asthma	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	-0.017	0.017	0.310	0.017	63.801	TRUE	6.83E-15
Allergic asthma	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	0.025	0.014	0.073	0.018	67.895	TRUE	1.96E-15
Allergic asthma	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	0.018	0.014	0.200	0.013	48.814	TRUE	1.29E-11
Allergic asthma	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	-0.004	0.015	0.796	0.016	60.284	TRUE	1.90E-14
Allergic asthma	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	-0.016	0.014	0.233	0.076	303.809	TRUE	2.47E-64
Allergic asthma	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	0.010	0.014	0.473	0.008	30.163	TRUE	8.30E-08
Allergic asthma	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	0.004	0.015	0.786	0.014	52.652	TRUE	8.37E-13
Allergic asthma	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	0.028	0.014	0.041	0.052	204.673	TRUE	1.58E-43
Allergic asthma	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	0.025	0.014	0.073	0.009	34.318	TRUE	2.21E-08
Allergic asthma	RPTOR	cg26714263	rs7222906	C	T	0.195	0.029	0.202	2.33E-11	0.016	0.017	0.334	0.012	44.645	TRUE	7.71E-11
Allergic asthma	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	0.016	0.031	0.598	0.024	90.737	TRUE	8.23E-21
Allergic asthma	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	0.000	0.014	0.989	0.009	33.624	TRUE	9.10E-09
Allergic asthma	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	0.009	0.014	0.495	0.021	81.216	TRUE	1.01E-18
Allergic asthma	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	-0.003	0.015	0.852	0.033	127.987	TRUE	7.48E-29
Allergic asthma	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	0.016	0.017	0.340	0.008	31.433	TRUE	5.17E-08
Allergic asthma	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	0.016	0.031	0.598	0.019	70.262	TRUE	1.82E-16
Allergic asthma	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	-0.015	0.078	0.844	0.009	32.160	TRUE	2.16E-08
Allergic asthma	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	0.030	0.078	0.700	0.012	45.188	TRUE	3.72E-11
Allergic asthma	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	-0.026	0.027	0.335	0.017	63.367	TRUE	8.06E-15
Allergic asthma	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	-0.005	0.035	0.896	0.018	66.359	TRUE	8.39E-16
Allergic asthma	RPTOR	cg27210166	rs11869826	A	G	-0.751	0.024	0.310	1.26E-218	-0.001	0.014	0.962	0.212	995.567	TRUE	1.49E-198
Allergic asthma	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	0.013	0.014	0.368	0.015	57.073	TRUE	1.65E-13
Allergic asthma	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	-0.016	0.016	0.319	0.031	116.727	TRUE	4.92E-26
Allergic asthma	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	0.018	0.015	0.243	0.020	76.700	TRUE	1.50E-17
Allergic asthma	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	0.011	0.020	0.579	0.026	98.989	TRUE	1.53E-22
Allergic asthma	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	-0.008	0.014	0.574	0.036	138.043	TRUE	9.64E-31
Allergic asthma	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	-0.008	0.015	0.578	0.010	39.221	TRUE	8.20E-10
Allergic asthma	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	-0.007	0.018	0.692	0.015	57.639	TRUE	7.94E-14
Allergic asthma	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	0.080	0.041	0.052	0.025	94.634	TRUE	6.15E-21
Allergic asthma	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	0.038	0.019	0.042	0.020	76.036	TRUE	4.97E-17

Allergic asthma	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	-0.017	0.019	0.373	0.018	68.457	TRUE	6.27E-16
Allergic asthma	RPTOR	cg27210166	rs9909563	T	A	-0.194	0.027	0.269	4.61E-13	0.053	0.015	3.45E-04	0.014	52.334	TRUE	1.56E-11
Allergic asthma	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	-0.003	0.025	0.911	0.010	36.418	TRUE	2.39E-09
Allergic asthma	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	0.000	0.014	0.989	0.018	66.697	TRUE	6.35E-16
Allergic asthma	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	-0.006	0.016	0.701	0.069	273.771	TRUE	6.35E-59
Allergic asthma	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	0.018	0.017	0.292	0.017	63.813	TRUE	7.04E-15
Allergic asthma	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	-0.010	0.014	0.492	0.009	31.999	TRUE	3.26E-08
Allergic asthma	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	0.010	0.014	0.473	0.018	68.371	TRUE	5.52E-16
Allergic asthma	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	-0.010	0.014	0.493	0.016	59.177	TRUE	4.84E-14
Allergic asthma	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	-0.028	0.020	0.176	0.012	44.319	TRUE	1.22E-10
Allergic asthma	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	0.010	0.019	0.600	0.079	316.635	TRUE	1.60E-67
Allergic asthma	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	-0.004	0.014	0.768	0.014	50.632	TRUE	2.32E-12
Allergic asthma	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	-0.027	0.016	0.087	0.009	32.075	TRUE	6.22E-08
Allergic asthma	RPTOR	cg27460531	rs4969426	A	T	0.134	0.024	0.375	1.92E-08	0.011	0.014	0.411	0.008	31.558	TRUE	4.45E-08
Allergic asthma	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	0.080	0.027	0.003	0.015	56.774	TRUE	1.16E-12
Allergic asthma	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	0.043	0.019	0.025	0.014	51.278	TRUE	8.58E-12
Allergic asthma	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	0.008	0.014	0.575	0.016	61.662	TRUE	1.27E-14
Allergic asthma	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	-0.015	0.078	0.844	0.009	31.868	TRUE	2.50E-08
Allergic asthma	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	0.005	0.014	0.703	0.013	49.483	TRUE	4.41E-12
Allergic asthma	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	-0.003	0.014	0.839	0.040	155.075	TRUE	1.58E-34
Allergic asthma	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	0.080	0.041	0.052	0.021	80.143	TRUE	6.34E-18
Allergic asthma	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	0.013	0.020	0.508	0.026	99.951	TRUE	1.09E-22
Allergic asthma	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	0.040	0.018	0.025	0.023	85.585	TRUE	6.46E-19
Allergic asthma	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	-0.003	0.034	0.940	0.031	119.900	TRUE	3.27E-27
Allergic asthma	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	0.008	0.015	0.586	0.176	790.633	TRUE	6.93E-160
Allergic asthma	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	-0.001	0.014	0.949	0.019	71.795	TRUE	5.39E-17
Allergic asthma	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	-0.006	0.014	0.660	0.026	98.372	TRUE	1.81E-22
Allergic asthma	RUFY4	cg01712671	rs6436023	G	A	0.152	0.024	0.398	3.36E-10	-0.032	0.014	0.020	0.011	39.430	TRUE	2.72E-09
Allergic asthma	RUFY4	cg11417360	rs6737563	T	C	0.154	0.024	0.469	6.46E-11	-0.027	0.014	0.050	0.011	42.652	TRUE	4.38E-10
Allergic asthma	RUFY4	cg18102446	rs13431952	C	T	-0.746	0.021	0.401	4.75E-271	-0.027	0.014	0.045	0.251	1236.643	TRUE	1.80E-238
Allergic asthma	RUFY4	cg18102446	rs3181212	A	G	0.331	0.050	0.122	2.75E-11	0.018	0.020	0.370	0.012	44.321	TRUE	8.56E-11
Allergic asthma	RUFY4	cg18102446	rs56083579	T	G	-0.362	0.038	0.116	1.22E-21	-0.025	0.026	0.346	0.024	91.281	TRUE	1.01E-20
Allergic asthma	RUFY4	cg18102446	rs7426289	C	T	-0.210	0.023	0.483	3.17E-19	-0.027	0.014	0.051	0.021	80.282	TRUE	5.96E-18
Allergic asthma	RUFY4	cg18105065	rs7419750	A	G	-0.246	0.026	0.289	8.51E-22	-0.023	0.014	0.092	0.024	91.986	TRUE	1.63E-20
Allergic asthma	S100A9	cg05848175	rs12119788	A	G	0.332	0.051	0.115	8.30E-11	0.039	0.021	0.066	0.011	42.164	TRUE	5.07E-10
Allergic asthma	S100A9	cg06355720	rs2916193	A	G	0.313	0.028	0.257	5.37E-28	-0.025	0.015	0.105	0.031	120.260	TRUE	1.99E-26
Allergic asthma	S100A9	cg06355720	rs3014817	C	T	-0.326	0.041	0.080	3.18E-15	0.047	0.029	0.102	0.017	62.115	TRUE	2.75E-14
Allergic asthma	S100A9	cg06355720	rs80307105	G	A	-1.470	0.080	0.020	3.68E-75	0.099	0.049	0.043	0.083	336.325	TRUE	4.01E-70
Allergic asthma	S100A9	cg07039113	rs72708737	G	C	0.345	0.037	0.131	1.31E-20	-0.028	0.016	0.090	0.023	86.585	TRUE	2.21E-19
Allergic asthma	S100A9	cg11787791	rs2070864	G	A	0.208	0.028	0.281	8.36E-14	-0.018	0.015	0.238	0.015	55.688	TRUE	4.15E-13
Allergic asthma	S100A9	cg11787791	rs60752752	G	A	0.215	0.035	0.112	1.11E-09	0.043	0.023	0.061	0.010	37.103	TRUE	6.03E-09
Allergic asthma	S100A9	cg15467116	rs3014874	A	G	0.425	0.028	0.264	1.75E-52	-0.019	0.015	0.227	0.059	232.313	TRUE	8.63E-50

Allergic asthma	S100A9	cg23277715	rs12119788	A	G	0.460	0.051	0.115	1.59E-19	0.039	0.021	0.066	0.022	81.644	TRUE	2.77E-18
Allergic asthma	S100A9	cg23277715	rs61803119	T	G	0.232	0.038	0.101	6.08E-10	0.047	0.024	0.052	0.010	38.276	TRUE	3.59E-09
Allergic asthma	S100A9	cg25286012	rs2070864	G	A	0.160	0.028	0.281	9.72E-09	-0.018	0.015	0.238	0.009	32.879	TRUE	2.95E-08
Allergic asthma	S100A9	cg25286012	rs3006471	A	T	-0.210	0.036	0.330	4.96E-09	-0.018	0.014	0.210	0.009	34.187	TRUE	1.63E-08
Allergic asthma	S100A9	cg25286012	rs72706896	G	A	-0.305	0.050	0.052	8.75E-10	0.051	0.047	0.277	0.010	37.564	TRUE	2.75E-09
Allergic asthma	S100A9	cg26937038	rs12119788	A	G	0.378	0.051	0.115	8.76E-14	0.039	0.021	0.066	0.015	55.597	TRUE	7.67E-13
Allergic asthma	SCRT2	cg01053273	rs12106053	C	T	-0.232	0.027	0.260	6.55E-18	0.017	0.015	0.273	0.020	74.308	TRUE	4.45E-17
Allergic asthma	SCRT2	cg07636295	rs6107703	A	G	0.130	0.023	0.464	1.44E-08	-0.011	0.014	0.418	0.009	32.109	TRUE	3.35E-08
Allergic asthma	SCRT2	cg11183307	rs4813791	G	A	0.178	0.024	0.393	1.73E-13	0.013	0.014	0.353	0.014	54.257	TRUE	6.70E-13
Allergic asthma	SCRT2	cg11183307	rs6054046	A	G	-0.186	0.028	0.231	4.17E-11	-0.021	0.015	0.181	0.012	43.507	TRUE	1.80E-10
Allergic asthma	SCRT2	cg11183307	rs6085283	T	C	0.132	0.023	0.460	1.54E-08	0.012	0.014	0.396	0.009	31.981	TRUE	3.67E-08
Allergic asthma	SCRT2	cg11183307	rs6107731	G	A	0.603	0.030	0.438	9.26E-92	0.008	0.014	0.579	0.100	412.522	TRUE	9.36E-87
Allergic asthma	SCRT2	cg11183307	rs73572849	A	C	-0.229	0.035	0.270	1.07E-10	-0.007	0.016	0.663	0.011	41.660	TRUE	2.23E-10
Allergic asthma	SCRT2	cg18592561	rs79646638	A	G	0.448	0.040	0.094	3.32E-29	0.043	0.021	0.038	0.033	125.782	TRUE	2.55E-27
Allergic asthma	SGSH	cg01502244	rs2269374	A	G	0.168	0.024	0.393	2.19E-12	0.036	0.014	0.007	0.013	49.283	TRUE	3.19E-11
Allergic asthma	SGSH	cg06331359	rs112984162	G	C	-0.226	0.041	0.088	4.21E-08	-0.040	0.024	0.099	0.008	30.034	TRUE	1.62E-07
Allergic asthma	SGSH	cg08956673	rs139825717	G	A	-0.685	0.122	0.021	2.09E-08	0.005	0.030	0.854	0.008	31.390	TRUE	3.15E-08
Allergic asthma	SGSH	cg08956673	rs150208213	C	T	-0.816	0.147	0.014	2.88E-08	-0.057	0.065	0.385	0.008	30.772	TRUE	6.77E-08
Allergic asthma	SGSH	cg08956673	rs72850881	A	G	-0.194	0.031	0.179	4.48E-10	0.002	0.016	0.896	0.010	38.872	TRUE	7.11E-10
Allergic asthma	SGSH	cg08956673	rs9894254	T	C	-1.323	0.057	0.042	1.43E-119	0.031	0.026	0.230	0.127	540.255	TRUE	3.36E-111
Allergic asthma	SGSH	cg09902913	rs4889991	G	A	-0.191	0.031	0.181	5.21E-10	-0.017	0.019	0.348	0.010	38.577	TRUE	1.50E-09
Allergic asthma	SGSH	cg09902913	rs61118700	T	C	0.199	0.034	0.139	5.69E-09	0.009	0.017	0.582	0.009	33.920	TRUE	1.14E-08
Allergic asthma	SGSH	cg09902913	rs7214131	A	G	0.253	0.029	0.205	6.32E-18	0.001	0.017	0.930	0.020	74.379	TRUE	1.54E-17
Allergic asthma	SGSH	cg09902913	rs7503034	T	C	-0.572	0.024	0.315	6.09E-123	0.026	0.014	0.068	0.131	555.748	TRUE	1.75E-113
Allergic asthma	SGSH	cg09902913	rs755341	T	C	-0.211	0.024	0.470	4.34E-19	-0.005	0.014	0.711	0.021	79.663	TRUE	1.55E-18
Allergic asthma	SGSH	cg09902913	rs79955395	T	A	-0.235	0.039	0.096	1.86E-09	0.066	0.022	0.003	0.010	36.095	TRUE	2.12E-08
Allergic asthma	SH3BP4	cg00475403	rs6721314	T	C	-0.193	0.028	0.226	6.04E-12	0.003	0.016	0.823	0.013	47.291	TRUE	1.15E-11
Allergic asthma	SH3BP4	cg00506811	rs13003045	T	G	-0.222	0.031	0.156	6.62E-13	-0.015	0.017	0.374	0.014	51.625	TRUE	2.35E-12
Allergic asthma	SH3BP4	cg00765233	rs12476431	T	C	-0.211	0.035	0.120	1.80E-09	-0.016	0.020	0.410	0.010	36.159	TRUE	4.55E-09
Allergic asthma	SH3BP4	cg00765233	rs2840029	C	G	-0.191	0.033	0.137	1.05E-08	-0.035	0.022	0.112	0.009	32.728	TRUE	4.18E-08
Allergic asthma	SH3BP4	cg00765233	rs4429425	A	G	-0.271	0.037	0.105	1.57E-13	-0.036	0.021	0.086	0.015	54.447	TRUE	1.21E-12
Allergic asthma	SH3BP4	cg01881549	rs6728491	C	T	-0.239	0.034	0.128	2.97E-12	-0.008	0.019	0.660	0.013	48.685	TRUE	6.87E-12
Allergic asthma	SH3BP4	cg02447239	rs11694969	A	G	0.290	0.039	0.093	6.27E-14	-0.003	0.021	0.898	0.015	56.254	TRUE	1.24E-13
Allergic asthma	SH3BP4	cg04066885	rs10929050	T	C	0.404	0.029	0.201	8.84E-43	-0.009	0.017	0.596	0.048	187.864	TRUE	3.89E-41
Allergic asthma	SH3BP4	cg04066885	rs11677044	A	C	-0.208	0.025	0.327	2.13E-17	-0.008	0.017	0.641	0.019	71.980	TRUE	7.37E-17
Allergic asthma	SH3BP4	cg04066885	rs13019776	G	A	-0.380	0.026	0.279	5.56E-50	-0.020	0.014	0.169	0.056	220.851	TRUE	2.56E-47
Allergic asthma	SH3BP4	cg04066885	rs55916272	C	T	-0.137	0.024	0.441	6.55E-09	-0.008	0.014	0.556	0.009	33.647	TRUE	1.34E-08
Allergic asthma	SH3BP4	cg04088932	rs10929082	A	T	0.670	0.039	0.103	1.82E-66	-0.004	0.025	0.860	0.074	296.429	TRUE	1.01E-63
Allergic asthma	SH3BP4	cg04088932	rs3795962	G	A	0.637	0.030	0.450	9.82E-98	0.021	0.014	0.123	0.106	439.958	TRUE	3.54E-91
Allergic asthma	SH3BP4	cg04088932	rs56371694	T	G	0.148	0.026	0.300	1.65E-08	-0.012	0.016	0.433	0.009	31.846	TRUE	3.76E-08
Allergic asthma	SH3BP4	cg05058748	rs11688642	G	A	0.330	0.032	0.170	7.51E-25	0.015	0.019	0.417	0.028	105.906	TRUE	7.27E-24
Allergic asthma	SH3BP4	cg05058748	rs4663527	T	C	0.447	0.074	0.056	1.65E-09	-0.036	0.027	0.190	0.010	36.329	TRUE	5.91E-09

Allergic asthma	SH3BP4	cg05058748	rs4663533	G	A	-0.525	0.034	0.131	2.46E-54	-0.008	0.019	0.683	0.061	240.802	TRUE	3.77E-52
Allergic asthma	SH3BP4	cg05058748	rs62187422	T	C	-0.295	0.040	0.081	3.07E-13	0.010	0.024	0.662	0.014	53.137	TRUE	7.59E-13
Allergic asthma	SH3BP4	cg05058748	rs6710499	G	A	1.133	0.016	0.338	<1E-200	-0.009	0.014	0.539	0.569	4889.496	TRUE	<1E-200
Allergic asthma	SH3BP4	cg05058748	rs79977480	C	G	0.775	0.058	0.039	2.45E-40	0.033	0.028	0.242	0.046	176.685	TRUE	2.18E-38
Allergic asthma	SH3BP4	cg08036121	rs2379186	C	T	0.185	0.026	0.288	6.44E-13	-0.016	0.014	0.256	0.014	51.679	TRUE	2.82E-12
Allergic asthma	SH3BP4	cg08036121	rs75169082	A	C	-0.566	0.083	0.044	1.11E-11	0.101	0.057	0.078	0.012	46.107	TRUE	7.08E-11
Allergic asthma	SH3BP4	cg08036121	rs78218646	T	C	-0.255	0.031	0.187	1.41E-16	-0.001	0.017	0.954	0.018	68.256	TRUE	3.07E-16
Allergic asthma	SH3BP4	cg08092258	rs11682146	T	C	-0.387	0.039	0.091	6.57E-23	-0.035	0.022	0.104	0.026	97.054	TRUE	1.35E-21
Allergic asthma	SH3BP4	cg08092258	rs56230012	G	A	-0.737	0.038	0.093	9.44E-83	0.001	0.020	0.947	0.091	371.163	TRUE	5.87E-79
Allergic asthma	SH3BP4	cg08092258	rs56838198	T	G	0.421	0.028	0.230	6.25E-50	-0.012	0.016	0.468	0.056	220.616	TRUE	9.31E-48
Allergic asthma	SH3BP4	cg08092258	rs6720830	T	C	-0.331	0.028	0.227	2.78E-32	0.003	0.016	0.834	0.036	139.842	TRUE	2.49E-31
Allergic asthma	SH3BP4	cg08092258	rs78367788	T	C	0.304	0.041	0.091	2.32E-13	-0.008	0.025	0.758	0.014	53.687	TRUE	5.17E-13
Allergic asthma	SH3BP4	cg08092258	rs972514	C	T	-0.203	0.032	0.157	1.34E-10	-0.039	0.021	0.063	0.011	41.229	TRUE	8.09E-10
Allergic asthma	SH3BP4	cg08858245	rs62187441	G	T	0.295	0.045	0.064	3.29E-11	0.007	0.024	0.785	0.012	43.974	TRUE	6.22E-11
Allergic asthma	SH3BP4	cg09071896	rs10929050	T	C	0.229	0.030	0.201	1.60E-14	-0.009	0.017	0.596	0.016	58.937	TRUE	4.73E-14
Allergic asthma	SH3BP4	cg09071896	rs11677044	A	C	-0.226	0.025	0.327	4.02E-20	-0.008	0.017	0.641	0.022	84.364	TRUE	1.72E-19
Allergic asthma	SH3BP4	cg09071896	rs12475961	C	A	-0.411	0.035	0.116	1.31E-31	-0.015	0.020	0.447	0.036	136.759	TRUE	2.35E-30
Allergic asthma	SH3BP4	cg09071896	rs4429425	A	G	-0.290	0.037	0.105	2.96E-15	-0.036	0.021	0.086	0.017	62.257	TRUE	2.78E-14
Allergic asthma	SH3BP4	cg09071896	rs9677589	T	G	0.267	0.039	0.104	1.18E-11	-0.004	0.025	0.864	0.012	45.984	TRUE	2.11E-11
Allergic asthma	SH3BP4	cg09510954	rs4663177	C	T	-0.187	0.025	0.321	9.58E-14	-0.007	0.014	0.599	0.015	55.422	TRUE	2.66E-13
Allergic asthma	SH3BP4	cg10810819	rs4429425	A	G	-0.220	0.037	0.105	1.80E-09	-0.036	0.021	0.086	0.010	36.157	TRUE	8.58E-09
Allergic asthma	SH3BP4	cg11677744	rs12476431	T	C	-0.309	0.035	0.120	8.51E-19	-0.016	0.020	0.410	0.021	78.335	TRUE	4.76E-18
Allergic asthma	SH3BP4	cg12214003	rs13035247	G	C	0.314	0.026	0.284	7.68E-35	-0.017	0.014	0.252	0.039	151.535	TRUE	3.38E-33
Allergic asthma	SH3BP4	cg12214003	rs78218646	T	C	-0.260	0.031	0.187	3.35E-17	-0.001	0.017	0.954	0.019	71.086	TRUE	7.59E-17
Allergic asthma	SH3BP4	cg12214003	rs79098408	A	G	0.400	0.069	0.029	8.49E-09	-0.030	0.031	0.335	0.009	33.142	TRUE	2.23E-08
Allergic asthma	SH3BP4	cg13303459	rs111715647	C	G	1.248	0.112	0.011	7.20E-29	-0.065	0.108	0.549	0.032	124.246	TRUE	7.87E-28
Allergic asthma	SH3BP4	cg13303459	rs4429425	A	G	0.213	0.036	0.105	4.12E-09	-0.036	0.021	0.086	0.009	34.549	TRUE	1.88E-08
Allergic asthma	SH3BP4	cg13530377	rs2840029	C	G	-0.186	0.033	0.137	2.27E-08	-0.035	0.022	0.112	0.008	31.228	TRUE	8.70E-08
Allergic asthma	SH3BP4	cg13530377	rs56048151	A	G	-0.251	0.039	0.094	1.07E-10	-0.002	0.020	0.903	0.011	41.675	TRUE	1.74E-10
Allergic asthma	SH3BP4	cg13904006	rs7583595	C	T	0.174	0.026	0.290	1.12E-11	-0.016	0.014	0.275	0.012	46.084	TRUE	4.21E-11
Allergic asthma	SH3BP4	cg13904006	rs78218646	T	C	-0.232	0.031	0.187	5.05E-14	-0.001	0.017	0.954	0.015	56.680	TRUE	9.41E-14
Allergic asthma	SH3BP4	cg14096415	rs10803629	G	A	-0.512	0.028	0.225	6.05E-76	0.003	0.016	0.825	0.084	339.924	TRUE	1.65E-72
Allergic asthma	SH3BP4	cg14096415	rs10929071	G	A	-0.218	0.027	0.260	3.63E-16	0.007	0.015	0.665	0.018	66.391	TRUE	1.11E-15
Allergic asthma	SH3BP4	cg14096415	rs10929074	C	G	-0.170	0.028	0.290	9.63E-10	-0.013	0.014	0.369	0.010	37.378	TRUE	2.63E-09
Allergic asthma	SH3BP4	cg14096415	rs11682146	T	C	-0.312	0.039	0.091	2.26E-15	-0.035	0.022	0.104	0.017	62.791	TRUE	1.97E-14
Allergic asthma	SH3BP4	cg14917874	rs11680626	A	T	0.698	0.024	0.309	1.29E-186	-0.012	0.014	0.396	0.187	848.398	TRUE	3.00E-170
Allergic asthma	SH3BP4	cg14917874	rs11888319	G	C	0.603	0.041	0.188	8.57E-50	0.007	0.017	0.683	0.056	219.987	TRUE	7.26E-48
Allergic asthma	SH3BP4	cg14917874	rs13020664	C	A	0.203	0.036	0.414	1.22E-08	-0.023	0.014	0.097	0.009	32.444	TRUE	5.03E-08
Allergic asthma	SH3BP4	cg14917874	rs6754925	T	C	0.339	0.056	0.108	1.10E-09	-0.003	0.020	0.887	0.010	37.118	TRUE	1.72E-09
Allergic asthma	SH3BP4	cg14917874	rs76292477	C	T	-0.318	0.043	0.071	1.61E-13	0.011	0.024	0.654	0.014	54.399	TRUE	4.11E-13
Allergic asthma	SH3BP4	cg14917874	rs9798244	C	T	0.200	0.026	0.280	3.03E-14	0.008	0.015	0.594	0.015	57.685	TRUE	8.78E-14
Allergic asthma	SH3BP4	cg16167060	rs7565692	A	T	0.208	0.029	0.215	7.24E-13	-0.017	0.016	0.274	0.014	51.449	TRUE	3.05E-12

Allergic asthma	SH3BP4	cg19964403	rs72987449	C	T	-0.417	0.036	0.252	7.59E-32	0.033	0.017	0.050	0.036	137.844	TRUE	7.13E-30
Allergic asthma	SH3BP4	cg19998400	rs12476431	T	C	-0.242	0.035	0.120	5.46E-12	-0.016	0.020	0.410	0.013	47.488	TRUE	1.70E-11
Allergic asthma	SH3BP4	cg19998400	rs1526122	G	C	-0.144	0.025	0.318	4.79E-09	-0.014	0.018	0.415	0.009	34.254	TRUE	1.16E-08
Allergic asthma	SH3BP4	cg19998400	rs4429425	A	G	-0.387	0.037	0.105	3.57E-26	-0.036	0.021	0.086	0.029	111.941	TRUE	1.20E-24
Allergic asthma	SH3BP4	cg19998400	rs4663178	T	C	-0.251	0.036	0.114	4.40E-12	-0.012	0.019	0.521	0.013	47.911	TRUE	1.19E-11
Allergic asthma	SH3BP4	cg20023271	rs6711905	A	G	0.286	0.032	0.491	4.39E-19	0.004	0.014	0.755	0.021	79.643	TRUE	1.47E-18
Allergic asthma	SH3BP4	cg21243951	rs3795962	G	A	-0.201	0.031	0.450	1.72E-10	0.021	0.014	0.123	0.011	40.744	TRUE	8.08E-10
Allergic asthma	SH3BP4	cg23729407	rs13003045	T	G	-0.315	0.031	0.156	5.83E-24	-0.015	0.017	0.374	0.027	101.850	TRUE	5.67E-23
Allergic asthma	SH3BP4	cg23729407	rs4663177	C	T	-0.277	0.025	0.321	2.63E-28	-0.007	0.014	0.599	0.032	121.673	TRUE	2.48E-27
Allergic asthma	SH3BP4	cg23729407	rs6431314	G	A	0.148	0.024	0.369	1.56E-09	0.002	0.014	0.869	0.010	36.442	TRUE	2.46E-09
Allergic asthma	SH3BP4	cg23729407	rs79977480	C	G	-1.710	0.055	0.039	3.39E-210	0.033	0.028	0.242	0.206	956.809	TRUE	9.32E-190
Allergic asthma	SH3BP4	cg23946364	rs11682146	T	C	-0.277	0.039	0.091	8.17E-13	-0.035	0.022	0.104	0.014	51.213	TRUE	5.35E-12
Allergic asthma	SH3BP4	cg23946364	rs56310932	A	G	-0.673	0.037	0.102	5.19E-75	-0.002	0.021	0.916	0.083	335.638	TRUE	9.48E-72
Allergic asthma	SH3BP4	cg23946364	rs7579843	G	A	0.231	0.028	0.242	6.96E-17	-0.020	0.016	0.198	0.018	69.646	TRUE	5.17E-16
Allergic asthma	SH3BP4	cg24906525	rs111817009	G	T	-0.513	0.059	0.038	3.54E-18	0.040	0.028	0.163	0.020	75.521	TRUE	3.35E-17
Allergic asthma	SH3BP4	cg24906525	rs13003045	T	G	-0.711	0.030	0.156	2.84E-122	-0.015	0.017	0.374	0.130	552.678	TRUE	5.61E-114
Allergic asthma	SH3BP4	cg24906525	rs1559983	C	T	-0.225	0.028	0.213	7.73E-16	0.000	0.016	0.995	0.017	64.902	TRUE	1.53E-15
Allergic asthma	SH3BP4	cg24906525	rs6722544	C	T	-0.250	0.027	0.240	2.88E-20	0.013	0.016	0.418	0.022	85.025	TRUE	1.81E-19
Allergic asthma	SH3BP4	cg24906525	rs78218646	T	C	0.215	0.031	0.187	3.22E-12	-0.001	0.017	0.954	0.013	48.524	TRUE	5.42E-12
Allergic asthma	SH3BP4	cg24995678	rs2195195	C	T	-0.501	0.027	0.244	1.18E-76	-0.020	0.016	0.198	0.085	343.186	TRUE	3.53E-72
Allergic asthma	SH3BP4	cg25591888	rs12475961	C	A	-0.237	0.035	0.116	2.18E-11	-0.015	0.020	0.447	0.012	44.777	TRUE	6.14E-11
Allergic asthma	SH3BP4	cg27024844	rs78218646	T	C	-0.191	0.031	0.187	6.44E-10	-0.001	0.017	0.954	0.010	38.164	TRUE	9.59E-10
Allergic asthma	SH3BP4	cg27577781	rs3731646	A	G	0.268	0.040	0.100	1.75E-11	-0.005	0.025	0.850	0.012	45.212	TRUE	3.14E-11
Allergic asthma	SH3BP4	cg27577781	rs6732663	T	C	-0.446	0.043	0.191	1.14E-24	0.045	0.019	0.018	0.028	105.079	TRUE	6.94E-23
Allergic asthma	SH3GLB1	cg10625266	rs114218357	A	G	1.176	0.142	0.011	1.22E-16	0.065	0.099	0.515	0.018	68.547	TRUE	4.75E-16
Allergic asthma	SH3GLB1	cg10625266	rs6687821	G	C	0.231	0.031	0.184	4.46E-14	0.028	0.019	0.144	0.015	56.925	TRUE	2.91E-13
Allergic asthma	SH3GLB1	cg11204830	rs114218357	A	G	1.008	0.141	0.011	8.81E-13	0.065	0.099	0.515	0.014	51.065	TRUE	2.53E-12
Allergic asthma	SH3GLB1	cg11204830	rs263436	A	G	0.270	0.028	0.225	2.25E-21	0.037	0.018	0.032	0.024	90.068	TRUE	6.77E-20
Allergic asthma	SLC26A1	cg09153458	rs10016151	G	A	0.242	0.024	0.412	3.48E-24	0.010	0.015	0.490	0.027	102.868	TRUE	2.73E-23
Allergic asthma	SLC26A1	cg09153458	rs115657987	A	G	-0.495	0.088	0.018	1.60E-08	0.046	0.099	0.642	0.009	31.907	TRUE	2.94E-08
Allergic asthma	SLC26A1	cg09153458	rs13143527	A	G	0.280	0.024	0.392	2.76E-31	-0.025	0.014	0.069	0.035	135.281	TRUE	2.00E-29
Allergic asthma	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	0.014	0.036	0.693	0.017	63.284	TRUE	4.92E-15
Allergic asthma	SLC26A1	cg09153458	rs17802266	A	C	-0.223	0.027	0.245	1.46E-16	0.016	0.015	0.293	0.018	68.183	TRUE	8.37E-16
Allergic asthma	SLC26A1	cg09153458	rs188806036	G	C	-0.581	0.027	0.242	1.13E-104	0.002	0.017	0.897	0.113	471.823	TRUE	5.62E-99
Allergic asthma	SLC26A1	cg09153458	rs34406303	C	G	0.272	0.043	0.083	2.34E-10	-0.049	0.025	0.053	0.011	40.136	TRUE	1.45E-09
Allergic asthma	SLC26A1	cg09153458	rs3733344	G	T	0.378	0.023	0.458	4.41E-61	0.004	0.014	0.780	0.068	271.733	TRUE	1.35E-58
Allergic asthma	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	-0.012	0.014	0.397	0.019	72.821	TRUE	7.15E-17
Allergic asthma	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	-0.027	0.029	0.350	0.010	36.306	TRUE	4.58E-09
Allergic asthma	SLC26A1	cg09153458	rs6599391	G	T	-0.441	0.033	0.153	6.89E-42	0.002	0.017	0.920	0.047	183.781	TRUE	1.38E-40
Allergic asthma	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	0.004	0.016	0.785	0.013	48.143	TRUE	7.83E-12
Allergic asthma	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	0.009	0.015	0.571	0.008	30.232	TRUE	7.27E-08
Allergic asthma	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	-0.012	0.014	0.397	0.009	33.142	TRUE	2.06E-08

Allergic asthma	SLC26A1	cg24226891	rs4690197	T	G	-0.273	0.029	0.204	9.62E-22	0.001	0.017	0.974	0.024	91.744	TRUE	2.88E-21
Allergic asthma	SLC26A11	cg24838010	rs6565651	C	T	-0.201	0.024	0.363	2.34E-16	0.036	0.014	0.008	0.018	67.260	TRUE	6.03E-15
Allergic asthma	SLC30A1	cg01575408	rs116433736	T	C	0.497	0.084	0.016	2.92E-09	-0.111	0.072	0.125	0.009	35.218	TRUE	1.19E-08
Allergic asthma	SLC30A1	cg01575408	rs12075221	T	G	0.286	0.035	0.114	2.55E-16	-0.001	0.019	0.947	0.018	67.085	TRUE	5.52E-16
Allergic asthma	SLC30A1	cg01575408	rs12565970	C	T	-0.195	0.026	0.264	8.36E-14	0.014	0.016	0.394	0.015	55.690	TRUE	3.11E-13
Allergic asthma	SLC30A1	cg01575408	rs139736682	A	G	0.650	0.087	0.015	1.05E-13	-0.034	0.054	0.530	0.015	55.239	TRUE	3.18E-13
Allergic asthma	SLC30A1	cg01575408	rs141581353	T	C	0.515	0.090	0.018	1.17E-08	-0.049	0.087	0.573	0.009	32.519	TRUE	2.32E-08
Allergic asthma	SLC30A1	cg01575408	rs17639173	G	A	0.641	0.062	0.038	7.58E-25	-0.067	0.078	0.390	0.028	105.889	TRUE	7.77E-24
Allergic asthma	SLC30A1	cg01575408	rs4951758	T	C	-0.148	0.023	0.436	2.32E-10	0.024	0.014	0.085	0.011	40.151	TRUE	1.23E-09
Allergic asthma	SLC30A1	cg01575408	rs611386	T	C	-0.228	0.029	0.178	6.94E-15	-0.013	0.015	0.397	0.016	60.582	TRUE	2.82E-14
Allergic asthma	SLC30A1	cg01575408	rs6540679	A	G	0.336	0.040	0.087	3.46E-17	-0.077	0.022	6.11E-04	0.019	71.022	TRUE	2.11E-15
Allergic asthma	SLC30A1	cg01575408	rs6659316	G	T	-0.217	0.023	0.495	8.10E-21	-0.023	0.014	0.095	0.023	87.531	TRUE	1.37E-19
Allergic asthma	SLC30A1	cg01575408	rs6680424	C	T	-0.191	0.023	0.414	2.77E-16	0.021	0.014	0.123	0.018	66.922	TRUE	2.48E-15
Allergic asthma	SLC30A1	cg01575408	rs7526700	G	C	0.669	0.026	0.215	6.66E-143	-0.038	0.017	0.025	0.149	647.469	TRUE	1.44E-130
Allergic asthma	SLC30A1	cg01575408	rs7527270	A	T	0.354	0.036	0.118	5.14E-23	0.012	0.024	0.600	0.026	97.539	TRUE	3.00E-22
Allergic asthma	SLC30A1	cg01575408	rs78276214	A	T	0.402	0.049	0.056	3.37E-16	0.035	0.028	0.215	0.018	66.539	TRUE	2.23E-15
Allergic asthma	SLC30A7	cg00063077	rs115270573	C	T	-0.625	0.087	0.032	7.24E-13	-0.094	0.046	0.043	0.014	51.451	TRUE	6.65E-12
Allergic asthma	SLC30A7	cg00063077	rs11810922	T	C	-0.366	0.024	0.403	1.36E-52	0.025	0.014	0.070	0.059	232.822	TRUE	1.96E-49
Allergic asthma	SLC30A7	cg00063077	rs12404364	T	C	-0.660	0.069	0.036	1.76E-21	0.013	0.027	0.637	0.024	90.545	TRUE	8.49E-21
Allergic asthma	SLC30A7	cg00063077	rs140678800	C	T	-0.656	0.093	0.029	1.37E-12	0.083	0.060	0.164	0.013	50.202	TRUE	7.19E-12
Allergic asthma	SLC30A7	cg00063077	rs17451258	A	C	0.403	0.032	0.163	1.75E-36	-0.010	0.018	0.584	0.041	159.042	TRUE	3.90E-35
Allergic asthma	SLC30A7	cg00063077	rs34960901	T	C	0.381	0.036	0.120	4.67E-26	-0.057	0.028	0.040	0.029	111.408	TRUE	2.34E-24
Allergic asthma	SLC30A7	cg00063077	rs474227	A	G	-0.196	0.026	0.313	1.86E-14	0.008	0.014	0.548	0.016	58.639	TRUE	5.84E-14
Allergic asthma	SLC30A7	cg00063077	rs6577231	C	T	0.433	0.038	0.106	1.10E-29	0.056	0.026	0.033	0.033	127.975	TRUE	9.67E-28
Allergic asthma	SLC30A7	cg00063077	rs7543296	C	A	-1.019	0.018	0.363	<1E-200	0.025	0.014	0.069	0.471	3294.784	TRUE	<1E-200
Allergic asthma	SLC30A7	cg00063077	rs950038	G	A	-0.392	0.026	0.260	7.36E-51	0.001	0.015	0.933	0.057	224.873	TRUE	4.05E-49
Allergic asthma	SLC30A7	cg01065905	rs11166507	C	T	-0.268	0.027	0.249	8.44E-23	0.015	0.015	0.324	0.025	96.558	TRUE	8.21E-22
Allergic asthma	SLC30A7	cg01065905	rs11166541	A	T	0.164	0.028	0.247	3.46E-09	0.005	0.014	0.717	0.009	34.885	TRUE	6.18E-09
Allergic asthma	SLC30A7	cg01065905	rs74919999	T	C	-1.400	0.071	0.050	1.02E-86	0.072	0.035	0.041	0.095	389.373	TRUE	1.15E-80
Allergic asthma	SLC30A7	cg15686842	rs115270573	C	T	-0.502	0.087	0.032	6.73E-09	-0.094	0.046	0.043	0.009	33.593	TRUE	3.68E-08
Allergic asthma	SLC30A7	cg15686842	rs11809572	T	C	0.291	0.036	0.121	6.83E-16	-0.054	0.028	0.050	0.017	65.146	TRUE	8.60E-15
Allergic asthma	SLC30A7	cg15686842	rs12404364	T	C	-0.566	0.069	0.036	3.90E-16	0.013	0.027	0.637	0.018	66.250	TRUE	1.23E-15
Allergic asthma	SLC30A7	cg15686842	rs140678800	C	T	-0.610	0.092	0.029	3.65E-11	0.083	0.060	0.164	0.012	43.769	TRUE	1.65E-10
Allergic asthma	SLC30A7	cg15686842	rs17451258	A	C	0.317	0.032	0.163	3.46E-23	-0.010	0.018	0.584	0.026	98.322	TRUE	2.10E-22
Allergic asthma	SLC30A7	cg15686842	rs61810305	T	C	0.378	0.032	0.157	2.94E-32	0.019	0.018	0.303	0.036	139.724	TRUE	8.17E-31
Allergic asthma	SLC30A7	cg15686842	rs7543296	C	A	-0.789	0.021	0.363	4.64E-299	0.025	0.014	0.069	0.270	1365.465	TRUE	3.49E-261
Allergic asthma	SLC30A7	cg15686842	rs950038	G	A	-0.327	0.026	0.260	1.14E-35	0.001	0.015	0.933	0.040	155.328	TRUE	1.18E-34
Allergic asthma	SLC30A7	cg16556008	rs11166508	G	A	-0.881	0.023	0.271	<1E-200	0.014	0.014	0.341	0.284	1470.143	TRUE	1.10E-280
Allergic asthma	SLC30A7	cg16556008	rs1329453	T	G	0.155	0.026	0.293	2.00E-09	0.011	0.015	0.447	0.010	35.950	TRUE	4.82E-09
Allergic asthma	SLC30A7	cg16556008	rs17123491	T	C	-0.796	0.035	0.132	1.71E-117	0.026	0.018	0.149	0.125	530.710	TRUE	4.59E-109
Allergic asthma	SLC30A7	cg16556008	rs35007393	C	T	0.452	0.029	0.208	4.63E-54	-0.015	0.016	0.364	0.061	239.548	TRUE	1.67E-51
Allergic asthma	SLC30A7	cg16556008	rs4253938	T	G	-0.465	0.056	0.090	5.93E-17	0.006	0.022	0.777	0.019	69.962	TRUE	1.65E-16

Allergic asthma	SLC30A7	cg16556008	rs6675403	G	T	0.578	0.025	0.286	3.81E-116	0.001	0.016	0.933	0.124	524.524	TRUE	2.08E-109
Allergic asthma	SLC30A7	cg16556008	rs74919999	T	C	-0.682	0.073	0.050	1.59E-20	0.072	0.035	0.041	0.023	86.199	TRUE	3.88E-19
Allergic asthma	SLC30A7	cg16556008	rs76861341	C	A	-0.653	0.090	0.031	4.98E-13	-0.099	0.047	0.034	0.014	52.186	TRUE	5.02E-12
Allergic asthma	SLC39A1	cg16262392	rs6724	C	G	0.213	0.025	0.293	5.20E-17	0.030	0.014	0.037	0.019	70.223	TRUE	8.54E-16
Allergic asthma	SLC39A1	cg25064552	rs112231452	A	G	-0.170	0.030	0.200	1.36E-08	-0.010	0.014	0.504	0.009	32.233	TRUE	2.87E-08
Allergic asthma	SLC39A1	cg25064552	rs11264743	T	C	-0.574	0.025	0.291	5.78E-116	0.031	0.014	0.032	0.124	523.691	TRUE	6.67E-107
Allergic asthma	SLC39A1	cg25064552	rs1685634	G	A	-0.162	0.023	0.474	6.02E-12	0.044	0.014	0.001	0.013	47.297	TRUE	1.25E-10
Allergic asthma	SLC39A1	cg25064552	rs3103309	T	C	0.200	0.024	0.374	1.72E-16	0.043	0.015	0.004	0.018	67.867	TRUE	5.62E-15
Allergic asthma	SLC39A1	cg25064552	rs41302547	C	T	-0.378	0.054	0.049	2.71E-12	-0.012	0.035	0.727	0.013	48.864	TRUE	5.84E-12
Allergic asthma	SLC39A1	cg25064552	rs61805526	G	A	0.350	0.034	0.124	3.14E-25	-0.053	0.018	0.003	0.028	107.633	TRUE	4.10E-23
Allergic asthma	SLC39A1	cg25064552	rs6675978	C	T	0.154	0.023	0.438	4.62E-11	-0.026	0.014	0.054	0.012	43.310	TRUE	3.12E-10
Allergic asthma	SLC39A10	cg16158027	rs10175371	C	G	-1.172	0.064	0.036	3.48E-75	0.072	0.028	0.011	0.083	336.436	TRUE	1.09E-69
Allergic asthma	SLC39A10	cg16158027	rs10194232	G	C	-0.594	0.072	0.027	2.10E-16	0.037	0.043	0.395	0.018	67.470	TRUE	9.75E-16
Allergic asthma	SLC39A10	cg16158027	rs1145938	A	T	0.164	0.027	0.265	6.53E-10	0.004	0.015	0.799	0.010	38.136	TRUE	1.13E-09
Allergic asthma	SLC39A10	cg16158027	rs7599605	C	T	-0.259	0.033	0.151	4.03E-15	-0.016	0.021	0.465	0.016	61.650	TRUE	1.50E-14
Allergic asthma	SLC39A14	cg01754958	rs4872490	C	T	0.148	0.027	0.343	4.37E-08	-0.003	0.014	0.849	0.008	29.962	TRUE	6.49E-08
Allergic asthma	SLC39A14	cg05254747	rs11136018	G	A	0.205	0.036	0.162	8.84E-09	-0.038	0.018	0.039	0.009	33.062	TRUE	4.88E-08
Allergic asthma	SLC39A14	cg05254747	rs4872484	T	C	-0.188	0.028	0.299	1.34E-11	-0.004	0.014	0.758	0.012	45.735	TRUE	2.66E-11
Allergic asthma	SLC39A14	cg05487207	rs13258195	T	C	-0.216	0.031	0.230	1.47E-12	-0.013	0.015	0.398	0.013	50.067	TRUE	4.87E-12
Allergic asthma	SLC39A14	cg05487207	rs7839390	T	C	0.456	0.069	0.037	3.61E-11	-0.057	0.046	0.222	0.012	43.793	TRUE	1.43E-10
Allergic asthma	SLC39A14	cg12081754	rs141286289	C	T	-0.327	0.045	0.071	5.02E-13	0.017	0.027	0.525	0.014	52.169	TRUE	1.45E-12
Allergic asthma	SLC39A14	cg12081754	rs141892929	A	G	1.254	0.020	0.234	<1E-200	-0.009	0.015	0.551	0.503	3743.873	TRUE	<1E-200
Allergic asthma	SLC39A14	cg12081754	rs149485511	T	G	1.057	0.129	0.018	2.40E-16	0.111	0.068	0.102	0.018	67.206	TRUE	2.35E-15
Allergic asthma	SLC39A14	cg12081754	rs2443499	C	T	-0.462	0.043	0.225	1.27E-26	-0.004	0.015	0.792	0.030	113.990	TRUE	7.36E-26
Allergic asthma	SLC39A14	cg12081754	rs2449346	C	T	0.365	0.025	0.434	7.49E-47	-0.012	0.014	0.389	0.053	206.511	TRUE	9.38E-45
Allergic asthma	SLC39A14	cg12081754	rs2941199	A	T	-0.325	0.042	0.272	5.39E-15	-0.009	0.015	0.534	0.016	61.081	TRUE	1.79E-14
Allergic asthma	SLC39A14	cg12081754	rs33999442	T	C	-0.496	0.031	0.201	2.75E-56	-0.028	0.016	0.077	0.063	249.755	TRUE	6.60E-53
Allergic asthma	SLC39A14	cg12081754	rs36105277	G	A	0.388	0.025	0.441	7.24E-53	-0.013	0.014	0.336	0.060	234.072	TRUE	2.44E-50
Allergic asthma	SLC39A14	cg12081754	rs4872004	T	C	0.327	0.027	0.303	4.19E-33	-0.043	0.015	0.003	0.037	143.594	TRUE	1.75E-30
Allergic asthma	SLC39A14	cg12081754	rs554208420	C	A	-0.359	0.055	0.049	8.73E-11	0.025	0.022	0.264	0.011	42.063	TRUE	3.08E-10
Allergic asthma	SLC39A14	cg12081754	rs6558170	C	G	-0.228	0.028	0.270	6.88E-16	0.022	0.015	0.142	0.017	65.132	TRUE	5.48E-15
Allergic asthma	SLC39A14	cg12081754	rs73227857	T	C	-0.350	0.049	0.169	7.71E-13	0.058	0.022	0.007	0.014	51.327	TRUE	1.21E-11
Allergic asthma	SLC39A14	cg12081754	rs74774452	G	C	1.238	0.167	0.012	1.19E-13	0.079	0.060	0.191	0.015	55.003	TRUE	6.46E-13
Allergic asthma	SLC39A14	cg12081754	rs75269608	T	A	0.254	0.042	0.102	1.84E-09	0.008	0.024	0.753	0.010	36.120	TRUE	3.22E-09
Allergic asthma	SLC39A14	cg13512537	rs10088686	A	C	0.225	0.028	0.268	1.99E-15	-0.007	0.014	0.641	0.017	63.040	TRUE	5.93E-15
Allergic asthma	SLC39A14	cg13512537	rs12676477	C	T	-0.754	0.026	0.295	1.44E-179	-0.010	0.014	0.497	0.181	815.999	TRUE	1.89E-164
Allergic asthma	SLC39A14	cg13512537	rs148082025	A	G	0.302	0.034	0.162	1.24E-18	-0.023	0.017	0.170	0.021	77.591	TRUE	1.20E-17
Allergic asthma	SLC39A14	cg13512537	rs2449346	C	T	-0.154	0.026	0.434	1.97E-09	-0.012	0.014	0.389	0.010	35.982	TRUE	5.10E-09
Allergic asthma	SLC39A14	cg13512537	rs28513286	G	C	-0.514	0.060	0.050	7.63E-18	-0.054	0.034	0.117	0.020	74.007	TRUE	8.26E-17
Allergic asthma	SLC39A14	cg13512537	rs4872477	A	G	-0.233	0.025	0.494	1.24E-20	-0.007	0.014	0.617	0.023	86.684	TRUE	5.76E-20
Allergic asthma	SLC39A14	cg13512537	rs6998654	T	C	0.299	0.055	0.133	4.27E-08	0.020	0.022	0.372	0.008	30.008	TRUE	1.01E-07
Allergic asthma	SLC39A14	cg13512537	rs75269608	T	A	-0.284	0.042	0.102	1.68E-11	0.008	0.024	0.753	0.012	45.282	TRUE	3.35E-11

Allergic asthma	SLC39A14	cg14348540	rs4871996	C	T	0.422	0.035	0.160	2.32E-33	-0.037	0.019	0.053	0.038	144.771	TRUE	2.59E-31
Allergic asthma	SLC39A14	cg14348540	rs4872483	T	C	-0.221	0.028	0.300	1.99E-15	-0.004	0.014	0.756	0.017	63.036	TRUE	5.13E-15
Allergic asthma	SLC39A14	cg15257755	rs141286289	C	T	-0.270	0.045	0.071	2.66E-09	0.017	0.027	0.525	0.009	35.401	TRUE	5.79E-09
Allergic asthma	SLC39A14	cg15257755	rs28684831	A	G	0.370	0.042	0.109	6.42E-19	-0.037	0.021	0.068	0.021	78.892	TRUE	1.02E-17
Allergic asthma	SLC39A14	cg15257755	rs59160602	G	A	0.587	0.054	0.052	2.25E-27	0.008	0.025	0.734	0.031	117.420	TRUE	1.53E-26
Allergic asthma	SLC39A14	cg15257755	rs6558033	C	T	0.472	0.025	0.454	6.64E-78	-0.027	0.014	0.047	0.086	348.914	TRUE	1.12E-72
Allergic asthma	SLC39A14	cg15257755	rs73544036	G	A	0.535	0.067	0.041	9.43E-16	-0.054	0.046	0.244	0.017	64.511	TRUE	5.57E-15
Allergic asthma	SLC39A14	cg18042586	rs1987226	T	C	0.602	0.026	0.340	2.94E-119	-0.002	0.014	0.907	0.127	538.822	TRUE	3.58E-112
Allergic asthma	SLC39A14	cg18042586	rs199957148	A	C	0.374	0.068	0.040	3.55E-08	-0.054	0.046	0.247	0.008	30.362	TRUE	1.00E-07
Allergic asthma	SLC39A14	cg18042586	rs2449344	T	C	-0.276	0.049	0.064	1.34E-08	-0.034	0.034	0.310	0.009	32.248	TRUE	3.59E-08
Allergic asthma	SLC39A14	cg18042586	rs2469765	C	T	0.212	0.025	0.446	7.79E-17	-0.009	0.014	0.520	0.018	69.424	TRUE	3.07E-16
Allergic asthma	SLC39A14	cg18042586	rs2645	T	C	0.158	0.025	0.462	4.43E-10	0.000	0.014	0.981	0.010	38.893	TRUE	6.49E-10
Allergic asthma	SLC39A14	cg18042586	rs76660160	G	A	-0.231	0.034	0.160	1.83E-11	-0.021	0.019	0.264	0.012	45.116	TRUE	6.90E-11
Allergic asthma	SLC39A14	cg19595092	rs73227818	C	T	-0.247	0.030	0.235	2.64E-16	-0.009	0.015	0.527	0.018	67.019	TRUE	9.86E-16
Allergic asthma	SLC39A14	cg23129673	rs13266541	A	G	0.880	0.026	0.291	8.33E-253	-0.010	0.014	0.496	0.238	1152.742	TRUE	7.11E-226
Allergic asthma	SLC39A14	cg23129673	rs141286289	C	T	-0.272	0.045	0.071	1.90E-09	0.017	0.027	0.525	0.010	36.051	TRUE	4.19E-09
Allergic asthma	SLC39A14	cg23129673	rs148082025	A	G	-0.330	0.034	0.162	5.07E-22	-0.023	0.017	0.170	0.025	93.012	TRUE	7.06E-21
Allergic asthma	SLC39A14	cg23129673	rs2272716	C	T	-0.178	0.032	0.191	3.54E-08	0.017	0.016	0.288	0.008	30.368	TRUE	9.40E-08
Allergic asthma	SLC39A14	cg23129673	rs2449336	A	G	-0.284	0.045	0.211	2.51E-10	-0.011	0.016	0.474	0.011	39.999	TRUE	6.29E-10
Allergic asthma	SLC39A14	cg23129673	rs2469765	C	T	0.230	0.025	0.446	1.41E-19	-0.009	0.014	0.520	0.022	81.892	TRUE	6.95E-19
Allergic asthma	SLC39A14	cg23129673	rs28511282	A	G	0.572	0.060	0.049	2.18E-21	-0.051	0.034	0.136	0.024	90.127	TRUE	3.22E-20
Allergic asthma	SLC39A14	cg23129673	rs4872004	T	C	0.194	0.027	0.303	1.47E-12	-0.043	0.015	0.003	0.013	50.060	TRUE	2.68E-11
Allergic asthma	SLC39A14	cg23129673	rs4872465	T	G	0.294	0.043	0.100	8.71E-12	0.012	0.025	0.627	0.012	46.573	TRUE	2.03E-11
Allergic asthma	SLC39A14	cg23129673	rs4872477	A	G	0.227	0.025	0.494	1.50E-19	-0.007	0.014	0.617	0.022	81.758	TRUE	6.38E-19
Allergic asthma	SLC39A14	cg23129673	rs73227857	T	C	-0.285	0.049	0.169	6.19E-09	0.058	0.022	0.007	0.009	33.755	TRUE	5.27E-08
Allergic asthma	SLC39A14	cg23563866	rs6994140	A	G	0.312	0.036	0.153	7.73E-18	-0.044	0.019	0.022	0.020	73.980	TRUE	1.73E-16
Allergic asthma	SLC39A14	cg23882724	rs4871996	C	T	0.200	0.035	0.160	1.63E-08	-0.037	0.019	0.053	0.009	31.877	TRUE	7.96E-08
Allergic asthma	SLC39A14	cg25257677	rs11136018	G	A	0.213	0.036	0.162	2.23E-09	-0.038	0.018	0.039	0.010	35.746	TRUE	1.33E-08
Allergic asthma	SLC39A14	cg25257677	rs4872483	T	C	-0.186	0.028	0.300	2.30E-11	-0.004	0.014	0.756	0.012	44.669	TRUE	4.53E-11
Allergic asthma	SLC39A14	cg27467876	rs12548863	T	A	-0.945	0.056	0.055	3.36E-63	-0.047	0.034	0.162	0.071	281.451	TRUE	1.23E-59
Allergic asthma	SLC39A14	cg27467876	rs141286289	C	T	0.429	0.045	0.071	2.10E-21	0.017	0.027	0.525	0.024	90.197	TRUE	1.21E-20
Allergic asthma	SLC39A14	cg27467876	rs141892929	A	G	-1.228	0.021	0.234	<1E-200	-0.009	0.015	0.551	0.483	3458.308	TRUE	<1E-200
Allergic asthma	SLC39A14	cg27467876	rs148082025	A	G	0.527	0.034	0.162	1.03E-54	-0.023	0.017	0.170	0.062	242.545	TRUE	9.45E-52
Allergic asthma	SLC39A14	cg27467876	rs149485511	T	G	-0.958	0.129	0.018	1.17E-13	0.111	0.068	0.102	0.015	55.035	TRUE	8.44E-13
Allergic asthma	SLC39A14	cg27467876	rs193004879	T	C	-0.962	0.167	0.012	9.12E-09	0.081	0.060	0.178	0.009	33.003	TRUE	3.10E-08
Allergic asthma	SLC39A14	cg27467876	rs2443499	C	T	0.486	0.043	0.225	1.89E-29	-0.004	0.015	0.792	0.033	126.896	TRUE	1.40E-28
Allergic asthma	SLC39A14	cg27467876	rs2449336	A	G	0.374	0.045	0.211	5.14E-17	-0.011	0.016	0.474	0.019	70.243	TRUE	2.21E-16
Allergic asthma	SLC39A14	cg27467876	rs2449346	C	T	-0.341	0.025	0.434	5.06E-41	-0.012	0.014	0.389	0.046	179.818	TRUE	3.04E-39
Allergic asthma	SLC39A14	cg27467876	rs36105277	G	A	-0.464	0.025	0.441	7.89E-76	-0.013	0.014	0.336	0.084	339.393	TRUE	1.02E-71
Allergic asthma	SLC39A14	cg27467876	rs554208420	C	A	0.381	0.055	0.049	5.65E-12	0.025	0.022	0.264	0.013	47.422	TRUE	2.23E-11
Allergic asthma	SLC39A14	cg27467876	rs73227857	T	C	0.468	0.048	0.169	5.24E-22	0.058	0.022	0.007	0.025	92.944	TRUE	3.13E-20
Allergic asthma	SLC39A14	cg27467876	rs75048938	G	C	0.242	0.044	0.088	4.02E-08	0.008	0.024	0.735	0.008	30.123	TRUE	6.60E-08

Allergic asthma	SLC39A14	cg27467876	rs75269608	T	A	-0.463	0.042	0.102	3.06E-28	0.008	0.024	0.753	0.032	121.374	TRUE	2.18E-27
Allergic asthma	SLC39A14	cg27467876	rs960509	A	G	0.297	0.025	0.500	8.27E-32	0.027	0.014	0.051	0.036	137.675	TRUE	7.63E-30
Allergic asthma	SLC39A8	cg13735704	rs11735688	C	T	0.217	0.029	0.198	1.22E-13	-0.024	0.019	0.204	0.015	54.939	TRUE	6.46E-13
Allergic asthma	SLC39A8	cg14579898	rs11933046	C	G	-0.262	0.044	0.085	2.69E-09	-0.063	0.026	0.015	0.009	35.376	TRUE	2.05E-08
Allergic asthma	SLC39A8	cg14579898	rs151403	A	G	-0.303	0.025	0.320	2.75E-33	-0.033	0.014	0.021	0.038	144.434	TRUE	5.04E-31
Allergic asthma	SLC39A8	cg14579898	rs6829701	A	G	0.179	0.025	0.326	8.47E-13	0.028	0.016	0.079	0.014	51.143	TRUE	6.16E-12
Allergic asthma	SLC39A8	cg26184765	rs115945651	A	G	-0.828	0.090	0.019	4.10E-20	-0.074	0.045	0.096	0.022	84.327	TRUE	6.34E-19
Allergic asthma	SLC39A8	cg26184765	rs151390	T	C	0.385	0.026	0.276	7.48E-50	0.011	0.017	0.500	0.056	220.259	TRUE	1.01E-47
Allergic asthma	SLC39A8	cg26184765	rs151399	C	T	0.376	0.028	0.227	5.08E-41	-0.022	0.015	0.145	0.046	179.808	TRUE	7.72E-39
Allergic asthma	SLC39A8	cg26184765	rs17032150	G	T	-0.554	0.032	0.155	1.96E-67	-0.025	0.020	0.209	0.075	300.875	TRUE	1.10E-63
Allergic asthma	SLC39A8	cg26184765	rs17032286	G	T	-0.931	0.097	0.026	1.06E-21	-0.001	0.045	0.981	0.024	91.556	TRUE	3.13E-21
Allergic asthma	SLC39A8	cg26184765	rs230487	C	A	-0.201	0.036	0.271	2.12E-08	-0.011	0.016	0.505	0.008	31.365	TRUE	4.41E-08
Allergic asthma	SLC39A8	cg26184765	rs238490	C	A	0.242	0.024	0.351	8.69E-24	0.001	0.014	0.933	0.027	101.059	TRUE	3.21E-23
Allergic asthma	SLC39A8	cg26184765	rs2903278	G	A	-0.933	0.021	0.278	<1E-200	-0.022	0.014	0.121	0.339	1899.768	TRUE	<1E-200
Allergic asthma	SLC39A8	cg26184765	rs3960787	G	A	-0.279	0.037	0.108	4.52E-14	0.003	0.026	0.914	0.015	56.900	TRUE	8.83E-14
Allergic asthma	SLC39A8	cg26184765	rs62328509	T	G	-0.164	0.024	0.375	1.75E-11	0.001	0.014	0.971	0.012	45.205	TRUE	2.79E-11
Allergic asthma	SLC39A8	cg26184765	rs72684892	A	G	-0.208	0.026	0.283	1.15E-15	0.008	0.015	0.625	0.017	64.123	TRUE	3.56E-15
Allergic asthma	SLC39A8	cg26184765	rs7659989	C	T	-0.373	0.031	0.169	1.71E-32	-0.048	0.017	0.005	0.037	140.801	TRUE	5.79E-30
Allergic asthma	SLC39A8	cg26184765	rs7700191	A	G	-0.255	0.043	0.080	2.04E-09	-0.012	0.022	0.570	0.010	35.918	TRUE	4.27E-09
Allergic asthma	SLC39A8	cg26184765	rs77160456	T	C	-0.681	0.052	0.056	6.53E-40	0.020	0.048	0.681	0.045	174.732	TRUE	1.72E-38
Allergic asthma	SLC40A1	cg01158447	rs13015236	C	T	-0.252	0.024	0.385	2.15E-26	0.042	0.014	0.002	0.030	112.943	TRUE	3.72E-24
Allergic asthma	SLC40A1	cg10752008	rs1123109	C	T	0.778	0.027	0.226	6.33E-181	0.033	0.016	0.037	0.182	822.233	TRUE	1.23E-163
Allergic asthma	SLC40A1	cg10752008	rs114838626	C	G	0.563	0.072	0.020	3.88E-15	0.023	0.063	0.716	0.016	61.726	TRUE	1.03E-14
Allergic asthma	SLC40A1	cg10752008	rs11683621	T	C	-0.209	0.034	0.147	5.32E-10	0.036	0.022	0.093	0.010	38.534	TRUE	2.63E-09
Allergic asthma	SLC40A1	cg10752008	rs11896326	C	T	-0.258	0.034	0.150	2.38E-14	-0.035	0.019	0.060	0.015	58.161	TRUE	2.31E-13
Allergic asthma	SLC40A1	cg10752008	rs13006842	G	T	0.330	0.060	0.080	3.54E-08	0.014	0.021	0.514	0.008	30.368	TRUE	7.18E-08
Allergic asthma	SLC40A1	cg10752008	rs35475196	A	C	0.160	0.025	0.320	1.98E-10	0.036	0.015	0.013	0.011	40.467	TRUE	1.84E-09
Allergic asthma	SLC40A1	cg10752008	rs6434353	C	A	0.402	0.048	0.065	4.74E-17	0.033	0.027	0.227	0.019	70.403	TRUE	3.31E-16
Allergic asthma	SLC40A1	cg10752008	rs75949659	A	C	0.431	0.044	0.088	7.01E-23	0.019	0.020	0.339	0.026	96.925	TRUE	6.65E-22
Allergic asthma	SLC40A1	cg11692477	rs1123110	G	A	0.223	0.024	0.382	2.82E-20	0.042	0.014	0.003	0.022	85.068	TRUE	1.80E-18
Allergic asthma	SLC40A1	cg14499385	rs10497704	A	G	-0.262	0.048	0.066	3.73E-08	0.037	0.033	0.263	0.008	30.269	TRUE	1.02E-07
Allergic asthma	SLC40A1	cg14499385	rs12622938	A	C	0.334	0.060	0.042	2.48E-08	0.012	0.031	0.712	0.008	31.060	TRUE	4.21E-08
Allergic asthma	SLC40A1	cg14499385	rs3811621	C	G	0.520	0.026	0.279	1.54E-90	0.029	0.015	0.048	0.099	406.923	TRUE	3.34E-84
Allergic asthma	SLC40A1	cg14499385	rs72908658	A	G	0.389	0.070	0.025	2.91E-08	0.001	0.052	0.985	0.008	30.747	TRUE	3.90E-08
Allergic asthma	SLC40A1	cg14499385	rs75818079	C	G	-0.435	0.076	0.027	1.27E-08	0.007	0.039	0.867	0.009	32.354	TRUE	1.92E-08
Allergic asthma	SLC40A1	cg14499385	rs9789465	T	C	0.136	0.024	0.465	1.00E-08	-0.003	0.014	0.815	0.009	32.818	TRUE	1.59E-08
Allergic asthma	SLC40A1	cg15599483	rs12693542	G	A	0.217	0.027	0.264	1.22E-15	0.035	0.015	0.021	0.017	64.010	TRUE	2.04E-14
Allergic asthma	SLC40A1	cg15599483	rs141418891	G	A	0.380	0.058	0.047	5.09E-11	0.019	0.036	0.602	0.012	43.120	TRUE	1.15E-10
Allergic asthma	SLC40A1	cg19075346	rs1123109	C	T	-0.463	0.028	0.226	2.72E-61	0.033	0.016	0.037	0.069	272.701	TRUE	2.69E-57
Allergic asthma	SNX32	cg06678084	rs10896049	A	G	0.258	0.032	0.150	1.41E-15	-0.036	0.018	0.044	0.017	63.717	TRUE	1.80E-14
Allergic asthma	SNX32	cg13467162	rs61895685	G	A	0.388	0.032	0.156	9.67E-35	-0.041	0.018	0.020	0.039	151.079	TRUE	2.23E-32
Allergic asthma	SNX32	cg15531562	rs10791819	G	A	0.333	0.026	0.247	2.04E-36	-0.032	0.018	0.071	0.041	158.744	TRUE	2.84E-34

Allergic asthma	SNX32	cg15531562	rs10896072	G	C	-0.458	0.042	0.083	1.11E-27	0.055	0.020	0.006	0.031	118.820	TRUE	1.67E-25
Allergic asthma	SNX32	cg15531562	rs111442339	C	T	-0.210	0.027	0.254	2.72E-15	-0.009	0.014	0.540	0.017	62.428	TRUE	9.18E-15
Allergic asthma	SNX32	cg15531562	rs11227408	G	A	-0.602	0.069	0.057	3.43E-18	-0.028	0.030	0.348	0.020	75.586	TRUE	2.04E-17
Allergic asthma	SNX32	cg15531562	rs11551353	A	T	0.470	0.048	0.061	1.60E-22	0.056	0.040	0.163	0.025	95.292	TRUE	2.42E-21
Allergic asthma	SNX32	cg15531562	rs11605273	T	C	-0.482	0.070	0.059	4.32E-12	-0.041	0.042	0.328	0.013	47.950	TRUE	1.54E-11
Allergic asthma	SNX32	cg15531562	rs117107530	T	C	-0.465	0.068	0.031	1.10E-11	-0.005	0.046	0.915	0.012	46.122	TRUE	1.87E-11
Allergic asthma	SNX32	cg15531562	rs1201433	A	C	0.231	0.024	0.405	1.75E-22	-0.029	0.015	0.051	0.025	95.117	TRUE	4.94E-21
Allergic asthma	SNX32	cg15531562	rs12418103	A	G	0.564	0.034	0.128	9.96E-62	-0.048	0.020	0.014	0.069	274.701	TRUE	2.14E-57
Allergic asthma	SNX32	cg15531562	rs12802560	T	C	-0.390	0.028	0.217	6.46E-45	0.007	0.019	0.719	0.051	197.646	TRUE	2.77E-43
Allergic asthma	SNX32	cg15531562	rs138189877	C	G	-0.547	0.100	0.017	4.23E-08	0.189	0.102	0.063	0.008	30.025	TRUE	1.86E-07
Allergic asthma	SNX32	cg15531562	rs138924467	T	C	0.314	0.047	0.071	2.21E-11	-0.041	0.033	0.208	0.012	44.749	TRUE	9.23E-11
Allergic asthma	SNX32	cg15531562	rs141399103	C	T	-0.526	0.084	0.020	4.58E-10	0.028	0.061	0.640	0.010	38.828	TRUE	9.33E-10
Allergic asthma	SNX32	cg15531562	rs143659154	T	C	-0.402	0.071	0.028	1.65E-08	-0.022	0.026	0.408	0.009	31.853	TRUE	3.86E-08
Allergic asthma	SNX32	cg15531562	rs146747472	G	C	0.603	0.077	0.022	7.04E-15	-0.017	0.107	0.875	0.016	60.555	TRUE	1.51E-14
Allergic asthma	SNX32	cg15531562	rs148097428	A	G	0.337	0.056	0.047	1.37E-09	-0.082	0.048	0.085	0.010	36.693	TRUE	6.63E-09
Allergic asthma	SNX32	cg15531562	rs17494956	A	G	-0.534	0.045	0.074	7.08E-33	0.028	0.019	0.135	0.037	142.554	TRUE	4.01E-31
Allergic asthma	SNX32	cg15531562	rs2282529	A	G	-0.133	0.024	0.434	4.19E-08	0.023	0.014	0.105	0.008	30.045	TRUE	1.58E-07
Allergic asthma	SNX32	cg15531562	rs35696016	C	G	0.434	0.034	0.147	2.32E-38	-0.041	0.020	0.041	0.043	167.637	TRUE	5.95E-36
Allergic asthma	SNX32	cg15531562	rs41302425	C	G	0.404	0.057	0.045	1.61E-12	-0.009	0.030	0.762	0.013	49.888	TRUE	3.38E-12
Allergic asthma	SNX32	cg15531562	rs473661	C	T	0.584	0.064	0.037	3.92E-20	0.054	0.056	0.331	0.022	84.412	TRUE	2.91E-19
Allergic asthma	SNX32	cg15531562	rs484983	G	A	0.182	0.024	0.416	1.89E-14	-0.001	0.014	0.961	0.016	58.608	TRUE	3.59E-14
Allergic asthma	SNX32	cg15531562	rs575631	G	A	-0.962	0.017	0.483	<1E-200	0.046	0.014	7.90E-04	0.464	3208.475	TRUE	<1E-200
Allergic asthma	SNX32	cg15531562	rs633727	G	A	-0.191	0.023	0.487	2.38E-16	-0.004	0.014	0.791	0.018	67.222	TRUE	6.25E-16
Allergic asthma	SNX32	cg15531562	rs665902	G	T	-0.296	0.052	0.049	1.32E-08	0.004	0.031	0.886	0.009	32.285	TRUE	1.95E-08
Allergic asthma	SNX32	cg15531562	rs683191	T	G	0.443	0.042	0.083	1.85E-26	-0.053	0.035	0.137	0.030	113.241	TRUE	4.84E-25
Allergic asthma	SNX32	cg15531562	rs71457704	A	G	-0.422	0.053	0.054	1.00E-15	0.088	0.044	0.045	0.017	64.392	TRUE	1.29E-14
Allergic asthma	SNX32	cg15531562	rs72941018	A	G	-0.410	0.044	0.073	1.70E-20	0.018	0.027	0.502	0.023	86.066	TRUE	9.39E-20
Allergic asthma	SNX32	cg15531562	rs74956044	T	C	0.541	0.061	0.032	4.86E-19	0.006	0.034	0.859	0.021	79.442	TRUE	1.41E-18
Allergic asthma	SNX32	cg15531562	rs75933844	A	G	0.469	0.041	0.086	1.24E-30	-0.041	0.024	0.091	0.035	132.301	TRUE	6.97E-29
Allergic asthma	SNX32	cg15531562	rs76584642	G	T	-0.607	0.044	0.079	3.17E-44	-0.010	0.020	0.619	0.050	194.481	TRUE	1.57E-42
Allergic asthma	SNX32	cg15531562	rs76874675	C	G	0.601	0.072	0.028	6.68E-17	-0.093	0.050	0.063	0.019	69.728	TRUE	8.66E-16
Allergic asthma	SNX32	cg15531562	rs7950327	G	A	0.444	0.054	0.050	2.31E-16	-0.053	0.053	0.312	0.018	67.281	TRUE	1.25E-15
Allergic asthma	SNX32	cg15531562	rs79783977	G	A	0.581	0.093	0.017	4.00E-10	-0.040	0.038	0.303	0.010	39.093	TRUE	1.24E-09
Allergic asthma	SNX32	cg15531562	rs801741	C	T	-0.417	0.023	0.486	8.45E-73	0.004	0.014	0.790	0.081	325.491	TRUE	1.51E-69
Allergic asthma	SNX4	cg12083990	rs12493868	T	C	0.340	0.037	0.113	6.77E-20	0.078	0.030	0.009	0.022	83.335	TRUE	2.78E-18
Allergic asthma	SNX4	cg16468910	rs10934713	T	C	-0.323	0.025	0.335	1.29E-39	-0.028	0.014	0.050	0.045	173.377	TRUE	3.48E-37
Allergic asthma	SNX4	cg16468910	rs112878393	A	G	0.335	0.039	0.096	1.76E-17	-0.030	0.017	0.090	0.019	72.362	TRUE	2.07E-16
Allergic asthma	SNX4	cg16468910	rs115941286	T	A	-0.463	0.060	0.045	1.77E-14	0.001	0.043	0.977	0.016	58.738	TRUE	3.30E-14
Allergic asthma	SNX4	cg16468910	rs12493868	T	C	0.598	0.037	0.113	4.18E-58	0.078	0.030	0.009	0.065	258.088	TRUE	6.40E-54
Allergic asthma	SNX4	cg16468910	rs147837122	A	G	0.695	0.097	0.014	6.14E-13	0.022	0.050	0.655	0.014	51.774	TRUE	1.50E-12
Allergic asthma	SNX4	cg16468910	rs2333199	C	T	0.299	0.026	0.274	1.49E-31	0.000	0.015	0.991	0.036	136.513	TRUE	9.46E-31
Allergic asthma	SNX4	cg16468910	rs2971283	A	C	-0.206	0.037	0.115	3.36E-08	-0.034	0.031	0.275	0.008	30.469	TRUE	9.11E-08

Allergic asthma	SNX4	cg16468910	rs2993632	C	T	-0.272	0.029	0.196	2.57E-20	-0.009	0.018	0.608	0.023	85.249	TRUE	1.18E-19
Allergic asthma	SNX4	cg16468910	rs4574233	T	C	0.562	0.046	0.068	2.36E-34	-0.019	0.029	0.514	0.039	149.307	TRUE	4.86E-33
Allergic asthma	SNX4	cg16468910	rs4679402	C	G	0.770	0.021	0.416	7.13E-301	-0.022	0.014	0.117	0.271	1373.806	TRUE	4.62E-263
Allergic asthma	SNX4	cg16468910	rs56142876	A	T	0.365	0.063	0.045	7.18E-09	0.138	0.047	0.003	0.009	33.468	TRUE	7.19E-08
Allergic asthma	SNX4	cg16468910	rs610850	C	T	0.257	0.038	0.093	2.39E-11	-0.003	0.020	0.868	0.012	44.594	TRUE	4.19E-11
Allergic asthma	SNX4	cg16468910	rs62270163	A	G	0.825	0.144	0.016	1.08E-08	-0.031	0.095	0.746	0.009	32.677	TRUE	1.82E-08
Allergic asthma	SNX4	cg16468910	rs6774437	A	C	-0.135	0.024	0.476	1.34E-08	0.014	0.014	0.295	0.009	32.262	TRUE	3.65E-08
Allergic asthma	SNX4	cg16468910	rs6798073	A	G	0.167	0.024	0.417	3.29E-12	-0.007	0.014	0.625	0.013	48.484	TRUE	7.90E-12
Allergic asthma	SNX4	cg16468910	rs74487985	G	A	-0.467	0.066	0.072	2.08E-12	0.053	0.036	0.145	0.013	49.384	TRUE	1.13E-11
Allergic asthma	SNX4	cg16468910	rs9848230	T	G	0.421	0.040	0.093	1.68E-25	-0.012	0.017	0.482	0.029	108.868	TRUE	1.52E-24
Allergic asthma	SNX4	cg27440834	rs1767090	T	G	0.229	0.039	0.093	2.96E-09	-0.009	0.019	0.646	0.009	35.193	TRUE	5.67E-09
Allergic asthma	SNX4	cg27440834	rs4574233	T	C	-0.267	0.046	0.068	8.42E-09	-0.019	0.029	0.514	0.009	33.158	TRUE	1.79E-08
Allergic asthma	SNX4	cg27440834	rs62270175	G	A	-0.250	0.038	0.096	6.55E-11	-0.032	0.021	0.131	0.011	42.625	TRUE	3.16E-10
Allergic asthma	SNX4	cg27440834	rs62270334	T	C	-0.141	0.024	0.382	7.29E-09	0.004	0.014	0.792	0.009	33.437	TRUE	1.19E-08
Allergic asthma	SNX4	cg27440834	rs73191158	T	C	0.417	0.069	0.027	1.27E-09	0.046	0.087	0.599	0.010	36.839	TRUE	2.62E-09
Allergic asthma	SNX4	cg27440834	rs74506060	T	G	0.624	0.037	0.117	1.82E-63	0.078	0.030	0.010	0.071	282.669	TRUE	6.73E-59
Allergic asthma	SNX4	cg27440834	rs9859715	T	C	-0.643	0.045	0.070	2.47E-46	-0.023	0.018	0.217	0.052	204.135	TRUE	5.37E-44
Allergic asthma	SNX4	cg27440834	rs9859758	G	C	-0.262	0.046	0.061	1.69E-08	-0.019	0.027	0.478	0.009	31.802	TRUE	3.65E-08
Allergic asthma	SORL1	cg08441314	rs116601912	G	A	-0.333	0.046	0.064	3.49E-13	-0.042	0.023	0.072	0.014	52.882	TRUE	2.76E-12
Allergic asthma	SORL1	cg08441314	rs7104977	A	G	0.158	0.025	0.303	4.08E-10	0.021	0.014	0.146	0.010	39.055	TRUE	1.73E-09
Allergic asthma	SORL1	cg10908953	rs2082154	T	C	-0.288	0.052	0.055	2.64E-08	-0.021	0.026	0.420	0.008	30.938	TRUE	5.99E-08
Allergic asthma	SORL1	cg10908953	rs668053	A	G	0.243	0.023	0.465	4.00E-26	0.025	0.013	0.064	0.029	111.715	TRUE	1.57E-24
Allergic asthma	SORL1	cg14239983	rs571531	A	G	0.141	0.023	0.469	1.43E-09	0.017	0.014	0.210	0.010	36.609	TRUE	4.95E-09
Allergic asthma	SORL1	cg17510957	rs147068669	G	A	0.582	0.069	0.034	2.10E-17	0.069	0.033	0.038	0.019	72.006	TRUE	3.56E-16
Allergic asthma	SORL1	cg22327175	rs668053	A	G	0.394	0.023	0.465	2.64E-67	0.025	0.013	0.064	0.075	300.282	TRUE	4.72E-63
Allergic asthma	SORL1	cg22327175	rs7112480	G	A	0.223	0.026	0.281	5.12E-18	-0.024	0.015	0.109	0.020	74.793	TRUE	5.87E-17
Allergic asthma	SORL1	cg22327175	rs7129402	C	A	0.191	0.026	0.291	2.10E-13	-0.013	0.014	0.350	0.014	53.883	TRUE	8.09E-13
Allergic asthma	SORL1	cg22327175	rs73594753	T	C	0.714	0.079	0.019	2.22E-19	0.009	0.072	0.897	0.021	80.989	TRUE	6.26E-19
Allergic asthma	SPATA2	cg01688202	rs137867080	G	A	-0.887	0.096	0.013	2.49E-20	-0.011	0.061	0.862	0.023	85.309	TRUE	7.89E-20
Allergic asthma	SPATA2	cg01688202	rs2769979	C	T	0.498	0.023	0.481	3.86E-105	0.007	0.014	0.607	0.114	473.965	TRUE	5.55E-99
Allergic asthma	SPATA2	cg01688202	rs601849	T	C	0.299	0.031	0.186	4.25E-22	0.065	0.022	0.004	0.025	93.359	TRUE	3.22E-20
Allergic asthma	SPATA2	cg01688202	rs6095748	T	C	0.193	0.024	0.481	4.88E-16	0.009	0.013	0.522	0.017	65.808	TRUE	1.80E-15
Allergic asthma	SPATA2	cg01688202	rs73910338	C	T	-1.474	0.041	0.083	7.74E-280	-0.004	0.024	0.872	0.257	1277.059	TRUE	1.01E-248
Allergic asthma	SPATA2	cg09647671	rs35099199	C	G	-0.131	0.024	0.395	3.86E-08	0.019	0.014	0.179	0.008	30.200	TRUE	1.22E-07
Allergic asthma	SPATA2	cg09647671	rs601849	T	C	-0.182	0.031	0.186	2.76E-09	0.065	0.022	0.004	0.009	35.327	TRUE	2.86E-08
Allergic asthma	SPATA2	cg09647671	rs6067269	A	C	-0.340	0.023	0.442	2.32E-48	0.002	0.015	0.885	0.055	213.423	TRUE	1.05E-46
Allergic asthma	SPATA2	cg16632346	rs112590664	T	C	0.230	0.025	0.296	7.98E-20	-0.023	0.016	0.167	0.022	83.010	TRUE	8.87E-19
Allergic asthma	SPATA2	cg16632346	rs6020156	G	C	-0.362	0.036	0.121	2.56E-23	0.034	0.023	0.136	0.026	98.919	TRUE	4.70E-22
Allergic asthma	SPATA2	cg17835207	rs117142370	C	G	-0.814	0.108	0.029	4.46E-14	-0.029	0.091	0.753	0.015	56.924	TRUE	1.05E-13
Allergic asthma	SPATA2	cg17835207	rs117184875	C	A	-0.857	0.077	0.024	4.19E-29	0.020	0.086	0.816	0.033	125.320	TRUE	2.89E-28
Allergic asthma	SPATA2	cg17835207	rs8125607	A	G	-0.240	0.025	0.297	3.46E-21	-0.022	0.016	0.190	0.024	89.213	TRUE	4.12E-20
Allergic asthma	SPATA2	cg17835207	rs937408	G	A	-0.246	0.035	0.127	2.18E-12	0.009	0.018	0.606	0.013	49.292	TRUE	5.42E-12

Allergic asthma	SPATA2	cg17849948	rs2235621	A	G	0.683	0.056	0.048	5.38E-34	0.080	0.046	0.081	0.038	147.671	TRUE	4.97E-32
Allergic asthma	SPATA2	cg19221489	rs12329463	A	G	0.356	0.036	0.127	9.99E-23	0.069	0.026	0.009	0.025	96.225	TRUE	6.10E-21
Allergic asthma	SPATA2	cg19221489	rs615868	T	C	-0.195	0.023	0.465	7.73E-17	0.007	0.014	0.591	0.018	69.440	TRUE	2.74E-16
Allergic asthma	SPATA2	cg25188239	rs199654698	C	T	0.493	0.054	0.053	1.06E-19	0.051	0.035	0.152	0.022	82.456	TRUE	1.22E-18
Allergic asthma	SPTLC2	cg04947514	rs76236966	T	C	0.560	0.091	0.017	9.24E-10	-0.030	0.039	0.441	0.010	37.460	TRUE	2.30E-09
Allergic asthma	SPTLC2	cg14544289	rs10149478	A	G	-0.339	0.037	0.117	1.04E-19	0.016	0.025	0.518	0.022	82.479	TRUE	5.24E-19
Allergic asthma	SPTLC2	cg14544289	rs11159282	C	T	-0.305	0.024	0.429	7.19E-38	0.030	0.014	0.032	0.043	165.389	TRUE	2.01E-35
Allergic asthma	SPTLC2	cg14544289	rs112328601	T	C	-0.456	0.084	0.020	4.89E-08	-0.032	0.048	0.510	0.008	29.743	TRUE	9.86E-08
Allergic asthma	SPTLC2	cg14544289	rs117921602	C	T	-0.591	0.106	0.016	2.57E-08	0.009	0.050	0.861	0.008	30.988	TRUE	3.83E-08
Allergic asthma	SPTLC2	cg14544289	rs11846234	A	C	0.178	0.030	0.195	3.39E-09	0.009	0.016	0.572	0.009	34.927	TRUE	6.97E-09
Allergic asthma	SPTLC2	cg14544289	rs17825440	T	C	0.630	0.064	0.032	9.05E-23	-0.142	0.079	0.074	0.025	96.421	TRUE	2.19E-21
Allergic asthma	SPTLC2	cg14544289	rs28771140	T	C	0.240	0.024	0.437	2.66E-24	-0.005	0.014	0.700	0.027	103.402	TRUE	1.47E-23
Allergic asthma	SPTLC2	cg14544289	rs4903647	C	T	0.177	0.024	0.416	1.47E-13	-0.013	0.014	0.349	0.015	54.578	TRUE	5.76E-13
Allergic asthma	SPTLC2	cg14544289	rs61992964	A	C	0.206	0.025	0.306	4.56E-16	0.015	0.014	0.283	0.018	65.944	TRUE	2.54E-15
Allergic asthma	SPTLC2	cg14544289	rs7148765	C	A	-0.229	0.032	0.173	6.65E-13	0.012	0.018	0.494	0.014	51.618	TRUE	1.98E-12
Allergic asthma	SPTLC2	cg14544289	rs7157146	T	C	-0.182	0.028	0.223	8.87E-11	0.017	0.017	0.307	0.011	42.033	TRUE	2.91E-10
Allergic asthma	SPTLC2	cg14544289	rs75852462	A	G	-0.482	0.047	0.078	1.23E-24	0.077	0.034	0.022	0.028	104.932	TRUE	6.75E-23
Allergic asthma	SPTLC2	cg14544289	rs8004951	T	C	-0.219	0.030	0.201	1.54E-13	0.015	0.017	0.379	0.015	54.487	TRUE	5.74E-13
Allergic asthma	SPTLC2	cg14544289	rs8015231	G	T	0.255	0.034	0.132	4.89E-14	-0.036	0.022	0.107	0.015	56.744	TRUE	3.61E-13
Allergic asthma	SPTLC2	cg18872420	rs10147360	A	G	-0.175	0.027	0.259	5.81E-11	0.006	0.015	0.705	0.011	42.861	TRUE	1.17E-10
Allergic asthma	SPTLC2	cg18872420	rs11159282	C	T	-0.334	0.024	0.429	4.17E-45	0.030	0.014	0.032	0.051	198.518	TRUE	3.38E-42
Allergic asthma	SPTLC2	cg18872420	rs112017861	A	G	-0.705	0.075	0.026	3.52E-21	-0.038	0.034	0.263	0.024	89.176	TRUE	3.39E-20
Allergic asthma	SPTLC2	cg18872420	rs112063190	T	C	0.495	0.063	0.036	5.14E-15	-0.035	0.040	0.381	0.016	61.172	TRUE	2.17E-14
Allergic asthma	SPTLC2	cg18872420	rs114659620	T	C	-0.333	0.057	0.053	5.06E-09	0.109	0.043	0.011	0.009	34.146	TRUE	4.00E-08
Allergic asthma	SPTLC2	cg18872420	rs117275289	T	C	0.541	0.090	0.019	1.90E-09	0.061	0.087	0.484	0.010	36.056	TRUE	4.38E-09
Allergic asthma	SPTLC2	cg18872420	rs117930450	A	G	-0.663	0.111	0.014	2.28E-09	0.009	0.050	0.864	0.010	35.701	TRUE	3.58E-09
Allergic asthma	SPTLC2	cg18872420	rs12887558	T	C	-0.556	0.028	0.220	5.20E-89	0.019	0.019	0.301	0.098	399.900	TRUE	9.33E-84
Allergic asthma	SPTLC2	cg18872420	rs137948922	T	C	-0.622	0.096	0.015	7.52E-11	0.103	0.092	0.264	0.011	42.356	TRUE	2.66E-10
Allergic asthma	SPTLC2	cg18872420	rs138901059	G	C	0.533	0.057	0.040	1.31E-20	-0.026	0.029	0.358	0.023	86.576	TRUE	9.59E-20
Allergic asthma	SPTLC2	cg18872420	rs140089337	C	A	0.553	0.092	0.037	1.79E-09	0.002	0.061	0.974	0.010	36.168	TRUE	2.56E-09
Allergic asthma	SPTLC2	cg18872420	rs147204783	C	G	-0.622	0.076	0.020	2.29E-16	0.018	0.039	0.643	0.018	67.303	TRUE	7.28E-16
Allergic asthma	SPTLC2	cg18872420	rs17752135	A	G	0.374	0.038	0.113	3.15E-23	-0.011	0.020	0.597	0.026	98.509	TRUE	1.88E-22
Allergic asthma	SPTLC2	cg18872420	rs182841241	G	A	-0.730	0.092	0.017	2.40E-15	-0.092	0.086	0.286	0.017	62.672	TRUE	1.24E-14
Allergic asthma	SPTLC2	cg18872420	rs1997561	T	A	0.276	0.024	0.390	3.60E-31	-0.028	0.014	0.047	0.035	134.755	TRUE	3.21E-29
Allergic asthma	SPTLC2	cg18872420	rs28527479	A	T	-0.801	0.041	0.089	4.28E-85	-0.011	0.024	0.634	0.094	381.925	TRUE	1.02E-80
Allergic asthma	SPTLC2	cg18872420	rs34174438	A	G	0.516	0.042	0.091	3.02E-35	-0.027	0.025	0.275	0.040	153.390	TRUE	1.29E-33
Allergic asthma	SPTLC2	cg18872420	rs3813539	A	G	0.317	0.033	0.146	4.80E-22	0.018	0.020	0.368	0.025	93.120	TRUE	3.93E-21
Allergic asthma	SPTLC2	cg18872420	rs3896379	G	C	-0.170	0.031	0.187	3.29E-08	0.004	0.016	0.780	0.008	30.513	TRUE	5.22E-08
Allergic asthma	SPTLC2	cg18872420	rs393187	T	C	-0.264	0.029	0.209	2.94E-20	0.005	0.017	0.777	0.022	84.981	TRUE	1.04E-19
Allergic asthma	SPTLC2	cg18872420	rs4243656	G	A	-0.420	0.024	0.367	5.96E-69	0.016	0.014	0.262	0.077	307.831	TRUE	3.28E-65
Allergic asthma	SPTLC2	cg18872420	rs4903596	T	C	-0.965	0.018	0.495	<1E-200	0.032	0.014	0.018	0.447	2993.953	TRUE	<1E-200
Allergic asthma	SPTLC2	cg18872420	rs538743562	A	T	0.345	0.038	0.099	2.85E-19	0.006	0.020	0.760	0.021	80.494	TRUE	9.63E-19

Allergic asthma	SPTLC2	cg18872420	rs56276583	A	T	-0.815	0.049	0.065	8.72E-63	0.062	0.030	0.037	0.070	279.552	TRUE	1.13E-58
Allergic asthma	SPTLC2	cg18872420	rs60434542	G	C	-0.211	0.028	0.229	2.44E-14	0.018	0.017	0.270	0.015	58.106	TRUE	1.19E-13
Allergic asthma	SPTLC2	cg18872420	rs6574382	C	T	-0.654	0.034	0.132	1.95E-83	0.012	0.021	0.573	0.092	374.307	TRUE	4.16E-79
Allergic asthma	SPTLC2	cg18872420	rs7143523	G	C	-0.287	0.045	0.074	2.13E-10	-0.005	0.023	0.825	0.011	40.326	TRUE	3.68E-10
Allergic asthma	SPTLC2	cg18872420	rs72683251	G	C	0.364	0.026	0.256	7.25E-44	-0.025	0.015	0.105	0.050	192.839	TRUE	2.11E-41
Allergic asthma	SPTLC2	cg18872420	rs72731013	A	G	-0.564	0.087	0.014	7.37E-11	-0.006	0.071	0.931	0.011	42.395	TRUE	1.18E-10
Allergic asthma	SPTLC2	cg18872420	rs74928751	T	C	-0.643	0.041	0.091	1.62E-55	0.035	0.026	0.176	0.062	246.226	TRUE	1.62E-52
Allergic asthma	SPTLC2	cg18872420	rs78434795	C	A	0.491	0.066	0.031	7.18E-14	-0.159	0.080	0.048	0.015	55.987	TRUE	7.17E-13
Allergic asthma	SPTLC2	cg18872420	rs79586516	G	T	0.337	0.060	0.035	1.46E-08	0.010	0.036	0.783	0.009	32.086	TRUE	2.36E-08
Allergic asthma	SPTLC2	cg18872420	rs8177563	T	C	-0.570	0.077	0.028	1.06E-13	-0.039	0.074	0.599	0.015	55.229	TRUE	2.92E-13
Allergic asthma	SPTLC2	cg23187727	rs10146834	T	C	-0.233	0.041	0.084	1.29E-08	-0.008	0.028	0.768	0.009	32.331	TRUE	2.12E-08
Allergic asthma	SPTLC2	cg23187727	rs112063190	T	C	-0.673	0.063	0.036	4.93E-27	-0.035	0.040	0.381	0.030	115.865	TRUE	6.41E-26
Allergic asthma	SPTLC2	cg23187727	rs56812919	A	C	-0.195	0.028	0.212	3.22E-12	0.017	0.017	0.317	0.013	48.521	TRUE	1.18E-11
Allergic asthma	SPTLC2	cg24171453	rs11629330	A	G	0.254	0.024	0.478	6.33E-27	-0.032	0.014	0.017	0.030	115.371	TRUE	5.36E-25
Allergic asthma	SPTLC2	cg24171453	rs2142187	T	G	-0.176	0.026	0.281	1.16E-11	0.012	0.015	0.431	0.012	46.019	TRUE	3.40E-11
Allergic asthma	SPTLC2	cg24171453	rs2299917	T	C	0.210	0.030	0.192	3.59E-12	-0.001	0.015	0.967	0.013	48.312	TRUE	5.94E-12
Allergic asthma	SPTLC2	cg26362766	rs12323555	T	C	0.351	0.044	0.080	1.12E-15	0.002	0.022	0.941	0.017	64.174	TRUE	2.34E-15
Allergic asthma	SPTLC2	cg26362766	rs36007603	T	C	0.387	0.065	0.035	2.23E-09	-0.028	0.037	0.457	0.010	35.739	TRUE	5.29E-09
Allergic asthma	SST	cg00457403	rs67515317	T	C	-0.321	0.057	0.083	2.39E-08	-0.047	0.020	0.016	0.008	31.136	TRUE	1.54E-07
Allergic asthma	SST	cg00481951	rs10513818	G	A	-0.913	0.057	0.084	1.41E-58	-0.047	0.020	0.016	0.066	260.253	TRUE	1.61E-54
Allergic asthma	SST	cg00481951	rs4686896	T	C	-0.283	0.029	0.216	6.94E-23	-0.014	0.015	0.357	0.026	96.945	TRUE	6.32E-22
Allergic asthma	SST	cg00481951	rs73057066	A	G	-0.330	0.044	0.076	9.63E-14	0.048	0.024	0.050	0.015	55.411	TRUE	9.35E-13
Allergic asthma	SST	cg02164046	rs3864101	T	G	0.172	0.029	0.207	2.20E-09	0.021	0.016	0.205	0.010	35.770	TRUE	7.54E-09
Allergic asthma	SST	cg12146673	rs10513818	G	A	-0.383	0.058	0.084	3.18E-11	-0.047	0.020	0.016	0.012	44.042	TRUE	3.17E-10
Allergic asthma	SST	cg12146673	rs75723218	T	C	-0.294	0.040	0.096	2.80E-13	0.028	0.026	0.270	0.014	53.316	TRUE	1.23E-12
Allergic asthma	SST	cg15347189	rs9851921	T	C	-0.243	0.036	0.118	1.64E-11	-0.026	0.017	0.126	0.012	45.333	TRUE	8.59E-11
Allergic asthma	SST	cg25478614	rs10513818	G	A	-0.656	0.055	0.084	1.50E-32	-0.047	0.020	0.016	0.037	141.064	TRUE	2.87E-30
Allergic asthma	SST	cg25478614	rs4988513	C	T	0.201	0.036	0.110	3.40E-08	0.013	0.020	0.491	0.008	30.447	TRUE	7.07E-08
Allergic asthma	SST	cg25478614	rs55749067	G	A	-0.311	0.044	0.075	1.42E-12	0.055	0.025	0.025	0.013	50.132	TRUE	1.50E-11
Allergic asthma	STAT3	cg05487134	rs4796793	G	C	0.292	0.027	0.252	2.78E-27	-0.014	0.015	0.368	0.031	116.999	TRUE	3.83E-26
Allergic asthma	STAT3	cg05487134	rs56387576	T	G	0.280	0.036	0.122	6.07E-15	0.008	0.019	0.679	0.016	60.845	TRUE	1.66E-14
Allergic asthma	STAT3	cg07780782	rs111884103	G	C	-0.700	0.083	0.021	2.74E-17	0.022	0.053	0.677	0.019	71.485	TRUE	8.93E-17
Allergic asthma	STAT3	cg07780782	rs2128786	C	T	-0.221	0.026	0.301	1.42E-17	0.002	0.014	0.906	0.019	72.785	TRUE	3.49E-17
Allergic asthma	STAT3	cg07780782	rs2667940	C	T	-0.227	0.031	0.180	1.50E-13	-0.025	0.017	0.146	0.015	54.536	TRUE	9.20E-13
Allergic asthma	STAT3	cg07780782	rs28573325	A	G	-0.434	0.064	0.035	1.38E-11	-0.058	0.028	0.038	0.012	45.671	TRUE	1.12E-10
Allergic asthma	STAT3	cg07780782	rs3198502	T	G	-0.742	0.029	0.174	3.36E-141	-0.041	0.017	0.015	0.147	639.643	TRUE	7.46E-129
Allergic asthma	STAT3	cg07780782	rs72820888	C	G	-0.684	0.125	0.020	4.51E-08	-0.079	0.087	0.363	0.008	29.902	TRUE	1.07E-07
Allergic asthma	STAT3	cg08652441	rs555947728	A	T	0.316	0.041	0.094	1.74E-14	0.041	0.024	0.089	0.016	58.775	TRUE	1.47E-13
Allergic asthma	STAT3	cg08652441	rs6503694	C	T	0.134	0.024	0.451	1.33E-08	-0.003	0.014	0.803	0.009	32.264	TRUE	2.12E-08
Allergic asthma	STAT3	cg17833746	rs11079043	T	C	0.232	0.026	0.270	1.13E-18	-0.015	0.015	0.299	0.021	77.774	TRUE	7.80E-18
Allergic asthma	STAT3	cg24312520	rs3785898	A	C	0.200	0.026	0.268	3.06E-14	-0.011	0.015	0.478	0.015	57.664	TRUE	1.04E-13
Allergic asthma	STAT3	cg24718015	rs9912773	G	C	0.234	0.027	0.250	6.08E-18	-0.014	0.015	0.374	0.020	74.454	TRUE	3.37E-17

Allergic asthma	STAT3	cg25857307	rs1963987	T	C	-0.252	0.045	0.072	1.76E-08	0.025	0.022	0.265	0.009	31.729	TRUE	4.96E-08
Allergic asthma	STAT5A	cg03001305	rs34129849	C	A	0.218	0.025	0.288	9.52E-18	-0.056	0.016	4.26E-04	0.020	73.570	TRUE	6.99E-16
Allergic asthma	STAT5A	cg05117208	rs548972072	G	C	-0.159	0.027	0.253	4.28E-09	-0.022	0.015	0.142	0.009	34.472	TRUE	1.64E-08
Allergic asthma	STAT5A	cg05117208	rs62076928	A	G	-0.379	0.025	0.289	8.49E-51	-0.056	0.016	4.40E-04	0.057	224.590	TRUE	1.73E-46
Allergic asthma	STAT5A	cg06357561	rs34129849	C	A	0.204	0.025	0.288	1.06E-15	-0.056	0.016	4.26E-04	0.017	64.289	TRUE	5.46E-14
Allergic asthma	STAT5A	cg14042635	rs73983710	A	G	0.451	0.082	0.020	4.09E-08	0.022	0.053	0.677	0.008	30.092	TRUE	7.06E-08
Allergic asthma	STAT5A	cg17478203	rs79843305	T	A	-0.163	0.026	0.290	1.73E-10	-0.056	0.016	4.18E-04	0.011	40.726	TRUE	3.49E-09
Allergic asthma	STAT5A	cg20388732	rs11079041	A	T	-0.277	0.025	0.290	1.05E-27	-0.056	0.016	4.27E-04	0.031	118.923	TRUE	4.07E-25
Allergic asthma	STAT5B	cg18810026	rs62076928	A	G	-0.311	0.025	0.289	7.84E-35	-0.056	0.016	4.40E-04	0.039	151.494	TRUE	9.83E-32
Allergic asthma	STAT5B	cg19465320	rs112220485	C	T	0.231	0.041	0.090	1.97E-08	-0.053	0.028	0.056	0.008	31.512	TRUE	9.32E-08
Allergic asthma	STAT5B	cg19465320	rs9908318	T	G	0.246	0.025	0.289	5.05E-22	-0.054	0.016	7.73E-04	0.025	93.018	TRUE	6.38E-20
Allergic asthma	STEAP3	cg00327263	rs60549362	G	A	0.180	0.024	0.449	2.70E-14	-0.005	0.014	0.737	0.015	57.912	TRUE	6.58E-14
Allergic asthma	STEAP3	cg06872331	rs10206700	A	G	0.390	0.028	0.209	4.90E-43	-0.012	0.016	0.441	0.049	189.037	TRUE	3.27E-41
Allergic asthma	STEAP3	cg06872331	rs10209956	C	T	0.173	0.024	0.394	1.11E-12	-0.013	0.014	0.354	0.013	50.604	TRUE	4.01E-12
Allergic asthma	STEAP3	cg06872331	rs12998285	C	T	-0.200	0.028	0.217	1.99E-12	0.006	0.015	0.701	0.013	49.471	TRUE	4.45E-12
Allergic asthma	STEAP3	cg06872331	rs144846120	A	G	0.667	0.108	0.026	6.58E-10	-0.008	0.057	0.890	0.010	38.119	TRUE	1.04E-09
Allergic asthma	STEAP3	cg06872331	rs17798163	A	G	-0.308	0.054	0.046	1.22E-08	-0.047	0.026	0.074	0.009	32.437	TRUE	5.48E-08
Allergic asthma	STEAP3	cg06872331	rs17805141	T	C	-0.397	0.053	0.053	8.75E-14	0.055	0.026	0.039	0.015	55.600	TRUE	9.34E-13
Allergic asthma	STEAP3	cg06872331	rs35946475	C	T	-0.269	0.035	0.341	5.94E-15	-0.022	0.014	0.122	0.016	60.888	TRUE	4.60E-14
Allergic asthma	STEAP3	cg06872331	rs3795927	A	G	0.711	0.022	0.445	8.95E-226	-0.008	0.014	0.543	0.218	1028.439	TRUE	1.17E-203
Allergic asthma	STEAP3	cg06872331	rs56267331	A	G	-0.391	0.055	0.046	1.34E-12	-0.001	0.041	0.973	0.013	50.241	TRUE	2.26E-12
Allergic asthma	STEAP3	cg06872331	rs6759748	G	A	0.212	0.029	0.202	5.15E-13	-0.029	0.019	0.118	0.014	52.120	TRUE	3.26E-12
Allergic asthma	STEAP3	cg06872331	rs72839750	A	T	-0.196	0.035	0.128	1.40E-08	0.017	0.025	0.489	0.009	32.174	TRUE	3.00E-08
Allergic asthma	STEAP3	cg06872331	rs72839761	A	C	0.434	0.069	0.028	2.54E-10	0.030	0.059	0.611	0.011	39.981	TRUE	5.43E-10
Allergic asthma	STEAP3	cg06872331	rs7583824	T	C	-0.244	0.024	0.405	1.81E-24	-0.010	0.014	0.452	0.027	104.163	TRUE	1.57E-23
Allergic asthma	STEAP3	cg06872331	rs76612865	A	G	-0.341	0.046	0.068	1.92E-13	0.012	0.022	0.580	0.014	54.058	TRUE	5.33E-13
Allergic asthma	STEAP3	cg06872331	rs77599087	A	G	0.400	0.070	0.024	1.02E-08	-0.062	0.055	0.256	0.009	32.779	TRUE	3.00E-08
Allergic asthma	STEAP3	cg08024822	rs708670	A	G	-0.148	0.024	0.417	3.72E-10	-0.004	0.014	0.766	0.010	39.231	TRUE	6.72E-10
Allergic asthma	STEAP3	cg12535642	rs10496555	A	G	-0.146	0.027	0.265	4.93E-08	-0.038	0.016	0.017	0.008	29.727	TRUE	3.01E-07
Allergic asthma	STEAP3	cg12535642	rs11684807	C	G	-0.308	0.039	0.096	1.60E-15	-0.014	0.019	0.461	0.017	63.476	TRUE	6.18E-15
Allergic asthma	STEAP3	cg12535642	rs13011233	T	G	0.180	0.027	0.268	1.29E-11	0.003	0.015	0.843	0.012	45.810	TRUE	2.35E-11
Allergic asthma	STEAP3	cg12535642	rs3754847	T	C	0.842	0.020	0.438	<1E-200	-0.011	0.014	0.404	0.322	1758.664	TRUE	<1E-200
Allergic asthma	STEAP3	cg12535642	rs56304959	T	C	-0.438	0.030	0.201	1.16E-49	0.022	0.014	0.126	0.056	219.379	TRUE	6.67E-47
Allergic asthma	STEAP3	cg12535642	rs62157029	G	A	-0.213	0.028	0.222	4.20E-14	0.005	0.015	0.748	0.015	57.043	TRUE	9.96E-14
Allergic asthma	STEAP3	cg12535642	rs62157444	T	G	0.259	0.039	0.099	2.38E-11	0.028	0.021	0.175	0.012	44.603	TRUE	1.07E-10
Allergic asthma	STEAP3	cg12535642	rs6708149	T	C	0.375	0.028	0.214	1.05E-39	-0.029	0.018	0.105	0.045	173.790	TRUE	1.72E-37
Allergic asthma	STEAP3	cg12535642	rs6721529	A	C	-0.173	0.024	0.421	2.59E-13	-0.006	0.014	0.657	0.014	53.466	TRUE	6.50E-13
Allergic asthma	STEAP3	cg12535642	rs6723312	G	A	-0.508	0.040	0.097	1.04E-36	-0.020	0.026	0.446	0.041	160.081	TRUE	3.25E-35
Allergic asthma	STEAP3	cg12535642	rs72829474	C	T	-0.527	0.062	0.035	1.84E-17	0.012	0.066	0.853	0.019	72.273	TRUE	4.81E-17
Allergic asthma	STEAP3	cg12535642	rs72833274	A	G	-0.261	0.046	0.061	1.86E-08	-0.038	0.046	0.407	0.008	31.620	TRUE	4.33E-08
Allergic asthma	STEAP3	cg12535642	rs74264760	T	C	-0.277	0.033	0.142	1.52E-17	-0.039	0.017	0.024	0.019	72.649	TRUE	3.14E-16
Allergic asthma	STEAP3	cg12535642	rs75360780	A	C	0.547	0.037	0.113	1.18E-48	-0.006	0.026	0.805	0.055	214.769	TRUE	6.56E-47

Allergic asthma	STEAP3	cg12535642	rs76738995	G	C	-0.479	0.048	0.063	1.90E-23	0.018	0.022	0.416	0.026	99.507	TRUE	1.61E-22
Allergic asthma	STEAP3	cg12535642	rs838079	A	G	-0.335	0.045	0.072	8.04E-14	0.005	0.033	0.892	0.015	55.765	TRUE	1.59E-13
Allergic asthma	STEAP3	cg13431009	rs3769653	T	C	0.407	0.023	0.457	1.05E-68	-0.005	0.014	0.711	0.077	306.705	TRUE	1.21E-65
Allergic asthma	STEAP3	cg13431009	rs56304959	T	C	-0.194	0.030	0.201	9.25E-11	0.022	0.014	0.126	0.011	41.952	TRUE	4.45E-10
Allergic asthma	STEAP3	cg13431009	rs6740573	C	G	-0.241	0.040	0.102	1.54E-09	-0.020	0.026	0.456	0.010	36.464	TRUE	3.70E-09
Allergic asthma	STEAP3	cg13431009	rs75360780	A	C	0.224	0.038	0.113	2.79E-09	-0.006	0.026	0.805	0.009	35.304	TRUE	4.61E-09
Allergic asthma	STEAP3	cg13431009	rs78115599	T	C	0.159	0.029	0.207	3.92E-08	-0.029	0.018	0.116	0.008	30.171	TRUE	1.44E-07
Allergic asthma	STEAP3	cg14882150	rs10194572	C	T	-0.318	0.028	0.208	2.70E-29	-0.012	0.016	0.441	0.033	126.187	TRUE	3.86E-28
Allergic asthma	STEAP3	cg14882150	rs12612942	G	A	-0.168	0.029	0.214	4.23E-09	-0.029	0.018	0.109	0.009	34.498	TRUE	1.78E-08
Allergic asthma	STEAP3	cg14882150	rs35946475	C	T	0.195	0.034	0.341	1.29E-08	-0.022	0.014	0.122	0.009	32.335	TRUE	4.92E-08
Allergic asthma	STEAP3	cg14882150	rs3795927	A	G	-0.473	0.023	0.445	5.22E-95	-0.008	0.014	0.543	0.104	427.440	TRUE	1.14E-89
Allergic asthma	STEAP3	cg14882150	rs6722032	C	A	0.205	0.024	0.406	5.78E-18	-0.012	0.014	0.368	0.020	74.554	TRUE	3.24E-17
Allergic asthma	STEAP3	cg17276106	rs13011366	C	A	-0.160	0.024	0.414	3.43E-11	0.021	0.014	0.145	0.012	43.888	TRUE	1.64E-10
Allergic asthma	STEAP3	cg17276106	rs147072811	A	G	-1.533	0.105	0.011	4.62E-48	0.095	0.084	0.259	0.054	212.055	TRUE	1.07E-45
Allergic asthma	STEAP3	cg17276106	rs1867750	A	G	-0.164	0.026	0.297	1.30E-10	-0.035	0.016	0.027	0.011	41.282	TRUE	1.02E-09
Allergic asthma	STEAP3	cg17276106	rs72840946	T	C	-0.432	0.058	0.038	1.22E-13	0.009	0.029	0.749	0.015	54.949	TRUE	2.80E-13
Allergic asthma	STEAP3	cg17276106	rs7602788	C	G	-0.247	0.034	0.138	5.32E-13	0.008	0.018	0.640	0.014	52.054	TRUE	1.33E-12
Allergic asthma	STEAP3	cg17276106	rs76769390	G	A	-0.637	0.055	0.051	1.61E-31	0.000	0.045	0.999	0.036	136.356	TRUE	1.01E-30
Allergic asthma	STEAP3	cg17276106	rs78133788	A	G	-1.623	0.043	0.058	<1E-200	0.019	0.022	0.394	0.280	1435.495	TRUE	6.03E-275
Allergic asthma	STEAP3	cg17276106	rs80298521	T	G	-0.454	0.076	0.046	2.30E-09	0.045	0.040	0.268	0.010	35.683	TRUE	7.04E-09
Allergic asthma	STEAP3	cg17276106	rs838083	C	T	0.359	0.052	0.051	6.13E-12	-0.001	0.039	0.971	0.013	47.261	TRUE	9.99E-12
Allergic asthma	STEAP3	cg17276106	rs895406	T	C	-0.302	0.023	0.499	3.05E-38	-0.004	0.014	0.784	0.043	167.095	TRUE	5.42E-37
Allergic asthma	STEAP3	cg19911116	rs6721852	C	T	0.149	0.023	0.456	1.30E-10	-0.004	0.014	0.756	0.011	41.290	TRUE	2.43E-10
Allergic asthma	STEAP3	cg21855041	rs56166948	A	T	-0.321	0.024	0.393	1.34E-40	-0.037	0.014	0.009	0.046	177.883	TRUE	1.13E-37
Allergic asthma	STEAP3	cg21855041	rs6721852	C	T	0.210	0.024	0.456	3.93E-19	-0.004	0.014	0.756	0.021	79.861	TRUE	1.32E-18
Allergic asthma	STEAP3	cg21855041	rs6723312	G	A	-0.387	0.040	0.097	8.08E-22	-0.020	0.026	0.446	0.024	92.090	TRUE	5.55E-21
Allergic asthma	STEAP3	cg21855041	rs72829472	C	A	-0.420	0.062	0.035	1.42E-11	0.012	0.066	0.853	0.012	45.614	TRUE	2.56E-11
Allergic asthma	STEAP3	cg23822655	rs75360780	A	C	0.222	0.038	0.113	3.38E-09	-0.006	0.026	0.805	0.009	34.935	TRUE	5.55E-09
Allergic asthma	STEAP3	cg23822655	rs78133788	A	G	-0.304	0.049	0.058	5.24E-10	0.019	0.022	0.394	0.010	38.563	TRUE	1.41E-09
Allergic asthma	STEAP3	cg23822655	rs838070	A	G	0.293	0.023	0.463	1.01E-35	-0.012	0.014	0.374	0.040	155.559	TRUE	3.40E-34
Allergic asthma	STEAP3	cg25713625	rs10207133	A	G	0.158	0.025	0.337	2.60E-10	0.020	0.014	0.165	0.011	39.936	TRUE	1.07E-09
Allergic asthma	STEAP3	cg25713625	rs12711923	A	C	-0.236	0.043	0.085	3.88E-08	-0.019	0.023	0.411	0.008	30.192	TRUE	8.76E-08
Allergic asthma	STEAP3	cg25713625	rs6740573	C	G	-0.281	0.040	0.102	1.95E-12	-0.020	0.026	0.456	0.013	49.510	TRUE	5.89E-12
Allergic asthma	STEAP3	cg25713625	rs72829483	G	A	0.201	0.028	0.234	6.72E-13	-0.027	0.017	0.113	0.014	51.595	TRUE	4.28E-12
Allergic asthma	STEAP3	cg25713625	rs73948632	A	G	-0.360	0.046	0.069	2.75E-15	0.021	0.022	0.332	0.017	62.404	TRUE	1.29E-14
Allergic asthma	STEAP3	cg25713625	rs75360780	A	C	0.329	0.038	0.113	2.10E-18	-0.006	0.026	0.805	0.020	76.553	TRUE	6.25E-18
Allergic asthma	STEAP3	cg25713625	rs838070	A	G	0.433	0.023	0.463	7.83E-78	-0.012	0.014	0.374	0.086	348.589	TRUE	1.24E-73
Allergic asthma	STEAP3	cg25713625	rs838080	C	T	-0.344	0.046	0.067	7.28E-14	0.005	0.033	0.892	0.015	55.961	TRUE	1.44E-13
Allergic asthma	STK24	cg01185345	rs12869774	A	G	0.409	0.052	0.056	2.06E-15	-0.009	0.039	0.826	0.017	62.974	TRUE	4.86E-15
Allergic asthma	STK24	cg01185345	rs139956665	G	C	0.460	0.079	0.024	6.48E-09	-0.063	0.079	0.428	0.009	33.667	TRUE	1.53E-08
Allergic asthma	STK24	cg01185345	rs4417417	A	G	-0.156	0.028	0.214	3.60E-08	-0.016	0.017	0.335	0.008	30.338	TRUE	8.95E-08
Allergic asthma	STK24	cg01185345	rs9517341	T	C	0.474	0.030	0.184	6.88E-57	-0.013	0.017	0.449	0.064	252.510	TRUE	2.84E-54

Allergic asthma	STK24	cg01536299	rs56294784	C	T	-0.139	0.023	0.440	2.23E-09	-0.006	0.014	0.658	0.010	35.745	TRUE	4.26E-09
Allergic asthma	STK24	cg01715699	rs3742133	A	G	-0.447	0.054	0.051	1.25E-16	-0.017	0.032	0.591	0.018	68.492	TRUE	4.37E-16
Allergic asthma	STK24	cg01715699	rs3825434	A	C	-0.314	0.052	0.055	1.17E-09	0.029	0.024	0.217	0.010	37.005	TRUE	4.02E-09
Allergic asthma	STK24	cg01715699	rs41279124	A	G	-0.347	0.040	0.093	3.36E-18	0.022	0.028	0.425	0.020	75.626	TRUE	1.73E-17
Allergic asthma	STK24	cg01715699	rs4389009	A	G	-0.854	0.019	0.486	<1E-200	0.011	0.014	0.407	0.346	1958.914	TRUE	<1E-200
Allergic asthma	STK24	cg01715699	rs7139717	C	T	0.367	0.023	0.464	8.53E-56	0.007	0.014	0.624	0.063	247.498	TRUE	1.85E-53
Allergic asthma	STK24	cg01715699	rs9517295	T	C	-0.171	0.027	0.248	3.85E-10	0.009	0.015	0.551	0.010	39.166	TRUE	8.69E-10
Allergic asthma	STK24	cg01715699	rs9517326	T	G	-0.456	0.080	0.040	1.21E-08	-0.013	0.028	0.646	0.009	32.459	TRUE	2.22E-08
Allergic asthma	STK24	cg01715699	rs9556966	C	A	-0.300	0.023	0.426	1.79E-37	-0.025	0.014	0.067	0.042	163.580	TRUE	2.97E-35
Allergic asthma	STK24	cg02088785	rs9517344	A	G	0.553	0.030	0.184	6.89E-78	-0.012	0.017	0.474	0.086	348.842	TRUE	7.58E-74
Allergic asthma	STK24	cg03461548	rs35368417	C	T	0.129	0.023	0.461	2.46E-08	0.033	0.014	0.019	0.008	31.074	TRUE	1.53E-07
Allergic asthma	STK24	cg03701759	rs7317938	T	C	0.314	0.024	0.359	1.15E-38	0.000	0.014	0.997	0.044	169.041	TRUE	1.41E-37
Allergic asthma	STK24	cg03701759	rs9805187	A	C	-0.219	0.034	0.140	9.01E-11	-0.006	0.021	0.776	0.011	42.003	TRUE	1.67E-10
Allergic asthma	STK24	cg07340007	rs12463	A	G	0.211	0.025	0.303	4.18E-17	0.034	0.016	0.030	0.019	70.651	TRUE	7.55E-16
Allergic asthma	STK24	cg07340007	rs2296149	A	G	-0.409	0.037	0.102	3.81E-28	-0.033	0.021	0.114	0.032	120.938	TRUE	1.37E-26
Allergic asthma	STK24	cg07340007	rs66917362	A	T	-0.263	0.045	0.076	4.77E-09	-0.005	0.022	0.806	0.009	34.265	TRUE	7.75E-09
Allergic asthma	STK24	cg07340007	rs79025709	C	T	-0.492	0.085	0.017	6.85E-09	0.034	0.053	0.522	0.009	33.558	TRUE	1.45E-08
Allergic asthma	STK24	cg08402963	rs117193346	T	C	-0.375	0.051	0.057	1.31E-13	-0.022	0.032	0.489	0.015	54.800	TRUE	4.18E-13
Allergic asthma	STK24	cg08402963	rs4772092	A	G	0.284	0.024	0.377	3.39E-33	0.022	0.014	0.127	0.037	144.017	TRUE	2.08E-31
Allergic asthma	STK24	cg09110502	rs9584868	G	C	0.188	0.030	0.175	5.66E-10	-0.012	0.017	0.484	0.010	38.416	TRUE	1.36E-09
Allergic asthma	STK24	cg09504131	rs111689491	A	G	-0.655	0.113	0.027	7.59E-09	-0.038	0.080	0.631	0.009	33.359	TRUE	1.44E-08
Allergic asthma	STK24	cg09504131	rs11617083	A	G	-0.345	0.032	0.152	1.32E-27	-0.015	0.019	0.440	0.031	118.470	TRUE	1.60E-26
Allergic asthma	STK24	cg09504131	rs3752968	C	T	-0.267	0.030	0.181	1.15E-18	-0.018	0.018	0.317	0.021	77.743	TRUE	7.62E-18
Allergic asthma	STK24	cg09504131	rs9556963	A	G	0.661	0.024	0.326	5.39E-169	-0.002	0.014	0.866	0.172	767.394	TRUE	5.00E-156
Allergic asthma	STK24	cg14825593	rs9584868	G	C	0.440	0.030	0.175	5.66E-49	-0.012	0.017	0.484	0.055	216.231	TRUE	7.12E-47
Allergic asthma	STK24	cg16711597	rs2184904	G	C	0.238	0.028	0.221	4.58E-17	-0.013	0.016	0.420	0.019	70.470	TRUE	2.16E-16
Allergic asthma	STK24	cg17176619	rs138713238	C	T	0.524	0.096	0.016	4.79E-08	-0.038	0.104	0.713	0.008	29.785	TRUE	7.98E-08
Allergic asthma	STK24	cg17176619	rs2184904	G	C	0.311	0.028	0.221	5.49E-28	-0.013	0.016	0.420	0.031	120.218	TRUE	7.18E-27
Allergic asthma	STK24	cg17176619	rs61971228	T	C	-0.154	0.027	0.237	1.95E-08	0.022	0.016	0.168	0.008	31.527	TRUE	6.53E-08
Allergic asthma	STK24	cg20359042	rs4772092	A	G	0.215	0.023	0.377	4.73E-20	0.022	0.014	0.127	0.022	84.044	TRUE	6.26E-19
Allergic asthma	STK24	cg20359042	rs77592056	C	G	-0.186	0.032	0.158	4.19E-09	0.010	0.022	0.642	0.009	34.515	TRUE	7.98E-09
Allergic asthma	STK24	cg20375836	rs61969450	G	C	0.514	0.025	0.292	1.05E-94	0.032	0.016	0.038	0.103	426.052	TRUE	6.91E-88
Allergic asthma	STK24	cg20375836	rs72652234	C	A	0.357	0.060	0.041	2.69E-09	0.044	0.029	0.129	0.009	35.376	TRUE	1.09E-08
Allergic asthma	STK24	cg20375836	rs9517328	T	A	-0.317	0.029	0.201	1.07E-27	-0.012	0.018	0.523	0.031	118.894	TRUE	1.10E-26
Allergic asthma	STK24	cg20375836	rs9517356	G	C	-0.186	0.030	0.178	7.93E-10	-0.014	0.017	0.408	0.010	37.757	TRUE	2.07E-09
Allergic asthma	STK24	cg20459687	rs9517335	A	G	-0.290	0.025	0.294	4.32E-30	-0.020	0.015	0.185	0.034	129.824	TRUE	1.40E-28
Allergic asthma	STK24	cg20459687	rs9556960	T	C	0.229	0.041	0.083	2.28E-08	-0.017	0.022	0.430	0.008	31.220	TRUE	5.14E-08
Allergic asthma	STK24	cg21173806	rs9584853	T	C	-0.676	0.047	0.060	6.12E-46	-0.036	0.022	0.109	0.052	202.332	TRUE	2.32E-43
Allergic asthma	STK24	cg22619767	rs4772081	T	C	-0.271	0.031	0.160	2.18E-18	-0.024	0.018	0.182	0.020	76.476	TRUE	1.98E-17
Allergic asthma	STK24	cg23954655	rs7339107	A	G	0.163	0.030	0.186	4.81E-08	-0.013	0.017	0.452	0.008	29.774	TRUE	1.03E-07
Allergic asthma	STK24	cg24044564	rs2296149	A	G	-0.572	0.037	0.102	1.81E-54	-0.033	0.021	0.114	0.061	241.413	TRUE	2.33E-51
Allergic asthma	STK24	cg24202468	rs4772098	A	C	-0.203	0.023	0.486	3.30E-18	0.011	0.014	0.406	0.020	75.658	TRUE	1.77E-17

Allergic asthma	STK24	cg24247370	rs12261	T	C	0.161	0.024	0.418	9.02E-12	0.012	0.014	0.397	0.012	46.505	TRUE	2.81E-11
Allergic asthma	STK24	cg24247370	rs12869774	A	G	0.304	0.052	0.056	3.82E-09	-0.009	0.039	0.826	0.009	34.696	TRUE	6.14E-09
Allergic asthma	STK24	cg24701178	rs4491365	G	A	-0.266	0.027	0.240	9.06E-23	0.027	0.016	0.101	0.025	96.418	TRUE	1.86E-21
Allergic asthma	STK24	cg24981097	rs2184904	G	C	0.175	0.028	0.221	8.30E-10	-0.013	0.016	0.420	0.010	37.667	TRUE	2.13E-09
Allergic asthma	STK24	cg27483072	rs9556966	C	A	0.172	0.024	0.426	3.03E-13	-0.025	0.014	0.067	0.014	53.159	TRUE	2.47E-12
Allergic asthma	STK25	cg08129953	rs11555263	A	G	-0.432	0.075	0.028	9.88E-09	0.064	0.047	0.167	0.009	32.847	TRUE	3.43E-08
Allergic asthma	STK25	cg08129953	rs62191665	G	A	0.290	0.041	0.081	1.81E-12	-0.013	0.029	0.647	0.013	49.650	TRUE	4.33E-12
Allergic asthma	STK25	cg09289202	rs10190033	C	A	-0.800	0.029	0.170	1.07E-164	0.005	0.018	0.774	0.168	747.636	TRUE	3.92E-152
Allergic asthma	STK25	cg09289202	rs111576119	T	C	-0.662	0.066	0.053	9.52E-24	0.035	0.028	0.214	0.027	100.877	TRUE	1.38E-22
Allergic asthma	STK25	cg09289202	rs112476475	G	A	-0.712	0.098	0.016	3.39E-13	-0.061	0.052	0.241	0.014	52.940	TRUE	1.57E-12
Allergic asthma	STK25	cg09289202	rs114169239	A	C	0.556	0.081	0.024	5.84E-12	0.107	0.145	0.460	0.013	47.355	TRUE	1.69E-11
Allergic asthma	STK25	cg09289202	rs115812193	C	T	-0.701	0.066	0.029	3.20E-26	-0.025	0.043	0.564	0.029	112.159	TRUE	2.64E-25
Allergic asthma	STK25	cg09289202	rs116660098	A	G	0.549	0.054	0.048	5.12E-24	-0.045	0.030	0.136	0.027	102.105	TRUE	1.02E-22
Allergic asthma	STK25	cg09289202	rs11674264	A	G	0.168	0.029	0.197	1.20E-08	0.000	0.015	0.979	0.009	32.463	TRUE	1.65E-08
Allergic asthma	STK25	cg09289202	rs11890117	C	T	0.216	0.024	0.385	2.38E-19	0.010	0.014	0.477	0.021	80.854	TRUE	1.24E-18
Allergic asthma	STK25	cg09289202	rs12613100	G	A	0.229	0.038	0.108	1.74E-09	-0.005	0.020	0.811	0.010	36.227	TRUE	2.89E-09
Allergic asthma	STK25	cg09289202	rs12621047	G	A	-0.221	0.027	0.279	8.39E-17	0.004	0.015	0.794	0.018	69.278	TRUE	2.26E-16
Allergic asthma	STK25	cg09289202	rs13015179	G	A	-0.174	0.031	0.187	1.09E-08	0.017	0.022	0.443	0.009	32.657	TRUE	2.48E-08
Allergic asthma	STK25	cg09289202	rs139875164	A	G	-0.553	0.068	0.033	5.92E-16	0.037	0.034	0.270	0.017	65.427	TRUE	3.36E-15
Allergic asthma	STK25	cg09289202	rs142730039	G	A	-0.598	0.093	0.032	1.05E-10	0.039	0.028	0.168	0.011	41.696	TRUE	4.50E-10
Allergic asthma	STK25	cg09289202	rs146432363	A	T	-0.369	0.050	0.157	1.13E-13	-0.026	0.023	0.262	0.015	55.101	TRUE	5.25E-13
Allergic asthma	STK25	cg09289202	rs149679796	T	C	0.620	0.073	0.033	1.49E-17	-0.023	0.033	0.482	0.019	72.687	TRUE	6.61E-17
Allergic asthma	STK25	cg09289202	rs149977848	A	G	-0.540	0.094	0.014	9.08E-09	0.011	0.044	0.800	0.009	33.011	TRUE	1.46E-08
Allergic asthma	STK25	cg09289202	rs17440466	C	T	-0.318	0.034	0.144	3.96E-21	-0.003	0.018	0.876	0.023	88.947	TRUE	1.30E-20
Allergic asthma	STK25	cg09289202	rs2012385	G	A	0.737	0.023	0.345	3.09E-227	-0.020	0.015	0.204	0.219	1035.160	TRUE	7.74E-204
Allergic asthma	STK25	cg09289202	rs34107209	T	C	0.451	0.032	0.151	2.94E-45	-0.028	0.021	0.185	0.051	199.210	TRUE	6.41E-43
Allergic asthma	STK25	cg09289202	rs4675834	T	C	0.284	0.033	0.143	1.62E-17	-0.021	0.020	0.281	0.019	72.524	TRUE	1.04E-16
Allergic asthma	STK25	cg09289202	rs6705421	A	G	0.803	0.020	0.445	<1E-200	-0.019	0.014	0.172	0.299	1575.382	TRUE	1.04E-297
Allergic asthma	STK25	cg09289202	rs6737057	C	T	-0.367	0.024	0.353	7.55E-52	0.005	0.014	0.727	0.058	229.405	TRUE	7.50E-50
Allergic asthma	STK25	cg09289202	rs6738073	G	A	0.236	0.039	0.103	1.27E-09	-0.030	0.025	0.238	0.010	36.840	TRUE	4.19E-09
Allergic asthma	STK25	cg09289202	rs6747920	A	G	0.341	0.058	0.091	4.96E-09	-0.032	0.024	0.182	0.009	34.186	TRUE	1.72E-08
Allergic asthma	STK25	cg09289202	rs6760093	G	T	0.193	0.024	0.424	8.02E-16	-0.011	0.014	0.421	0.017	64.829	TRUE	3.40E-15
Allergic asthma	STK25	cg09289202	rs73002180	C	G	-0.662	0.055	0.054	1.48E-33	0.087	0.043	0.042	0.038	145.660	TRUE	1.94E-31
Allergic asthma	STK25	cg09289202	rs73014018	A	G	-0.159	0.029	0.215	2.58E-08	-0.012	0.018	0.520	0.008	30.986	TRUE	5.25E-08
Allergic asthma	STK25	cg09289202	rs7420166	A	G	0.230	0.027	0.243	2.85E-17	-0.010	0.016	0.518	0.019	71.405	TRUE	1.17E-16
Allergic asthma	STK25	cg09289202	rs7588758	T	G	-0.679	0.029	0.178	1.84E-118	-0.019	0.018	0.302	0.126	535.161	TRUE	2.11E-110
Allergic asthma	STK25	cg09289202	rs75917565	T	G	-0.497	0.045	0.070	6.01E-28	0.002	0.026	0.940	0.031	120.037	TRUE	3.06E-27
Allergic asthma	STK25	cg09289202	rs76020097	T	C	-0.259	0.040	0.089	8.32E-11	0.007	0.022	0.743	0.011	42.159	TRUE	1.60E-10
Allergic asthma	STK25	cg09289202	rs76240021	G	A	0.387	0.058	0.042	2.60E-11	-0.049	0.037	0.182	0.012	44.436	TRUE	1.14E-10
Allergic asthma	STK25	cg09289202	rs77726357	C	T	0.650	0.024	0.305	2.93E-161	-0.006	0.014	0.661	0.165	731.833	TRUE	6.16E-149
Allergic asthma	STK25	cg13788902	rs3771584	G	C	0.314	0.028	0.215	1.74E-28	0.031	0.015	0.039	0.032	122.489	TRUE	1.21E-26
Allergic asthma	STK25	cg18149394	rs111918792	C	T	-0.567	0.043	0.073	3.86E-40	-0.006	0.035	0.852	0.045	175.781	TRUE	7.33E-39

Allergic asthma	STK25	cg18149394	rs2074774	T	A	-0.177	0.024	0.363	1.63E-13	-0.007	0.014	0.625	0.014	54.379	TRUE	4.30E-13
Allergic asthma	STK25	cg19488206	rs7618	G	A	0.300	0.029	0.212	1.29E-25	0.031	0.015	0.040	0.029	109.395	TRUE	6.10E-24
Allergic asthma	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	0.037	0.014	0.007	0.030	114.298	TRUE	1.31E-24
Allergic asthma	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	0.033	0.039	0.397	0.009	33.267	TRUE	1.94E-08
Allergic asthma	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	-0.013	0.015	0.367	0.013	49.346	TRUE	7.27E-12
Allergic asthma	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	0.037	0.014	0.007	0.055	215.024	TRUE	3.66E-45
Allergic asthma	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	0.011	0.014	0.432	0.016	61.158	TRUE	2.01E-14
Allergic asthma	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	0.037	0.014	0.007	0.017	63.196	TRUE	4.33E-14
Allergic asthma	STXBP2	cg04770751	rs1862515	G	A	0.279	0.024	0.355	1.40E-30	-0.042	0.014	0.002	0.034	132.055	TRUE	4.67E-28
Allergic asthma	STXBP2	cg04770751	rs8104867	A	G	0.139	0.025	0.339	1.75E-08	-0.003	0.014	0.817	0.009	31.741	TRUE	2.73E-08
Allergic asthma	STXBP2	cg14732907	rs794074	G	A	0.176	0.024	0.398	1.70E-13	0.022	0.014	0.106	0.014	54.291	TRUE	1.19E-12
Allergic asthma	STXBP2	cg15576517	rs12972299	A	C	0.175	0.029	0.213	1.38E-09	0.035	0.017	0.043	0.010	36.684	TRUE	8.20E-09
Allergic asthma	STXBP2	cg15576517	rs2161491	G	A	-0.317	0.031	0.213	6.90E-24	0.007	0.015	0.655	0.027	101.516	TRUE	3.95E-23
Allergic asthma	STXBP2	cg15576517	rs2431866	A	C	-0.340	0.053	0.102	1.47E-10	0.029	0.025	0.241	0.011	41.045	TRUE	5.29E-10
Allergic asthma	STXBP2	cg15576517	rs2446182	C	G	-0.228	0.029	0.208	1.63E-15	0.000	0.016	0.993	0.017	63.438	TRUE	3.16E-15
Allergic asthma	STXBP2	cg15576517	rs4380150	T	A	-0.240	0.035	0.154	5.12E-12	-0.024	0.018	0.185	0.013	47.615	TRUE	2.40E-11
Allergic asthma	STXBP2	cg15576517	rs752972	A	G	0.225	0.033	0.158	7.78E-12	0.000	0.021	0.990	0.012	46.796	TRUE	1.24E-11
Allergic asthma	STXBP2	cg15576517	rs794077	A	C	0.892	0.021	0.372	<1E-200	0.033	0.015	0.028	0.332	1837.486	TRUE	<1E-200
Allergic asthma	STXBP2	cg24433207	rs4804753	G	C	0.219	0.033	0.136	2.66E-11	-0.029	0.018	0.107	0.012	44.386	TRUE	1.45E-10
Allergic asthma	STXBP2	cg24433207	rs794070	G	A	-0.200	0.027	0.237	1.96E-13	0.032	0.016	0.040	0.014	54.016	TRUE	1.98E-12
Allergic asthma	STXBP2	cg24479032	rs56272042	C	T	0.155	0.024	0.355	1.09E-10	-0.041	0.014	0.003	0.011	41.624	TRUE	1.57E-09
Allergic asthma	STXBP2	cg24759919	rs10416592	T	C	0.408	0.027	0.246	9.20E-53	-0.033	0.015	0.027	0.059	233.594	TRUE	2.77E-49
Allergic asthma	STXBP2	cg24759919	rs146661810	A	G	0.559	0.080	0.021	3.13E-12	0.064	0.044	0.147	0.013	48.581	TRUE	1.66E-11
Allergic asthma	STXBP2	cg24759919	rs151212242	C	T	0.179	0.030	0.188	3.01E-09	-0.028	0.016	0.077	0.009	35.157	TRUE	1.44E-08
Allergic asthma	STXBP2	cg24759919	rs3745367	A	G	-0.320	0.043	0.244	1.60E-13	-0.001	0.016	0.948	0.014	54.413	TRUE	2.92E-13
Allergic asthma	STXBP2	cg24759919	rs4134813	C	A	0.833	0.021	0.352	<1E-200	-0.046	0.014	7.09E-04	0.298	1569.345	TRUE	7.02E-293
Allergic asthma	STXBP2	cg24759919	rs500914	T	C	0.210	0.024	0.449	1.64E-18	0.003	0.014	0.809	0.020	77.044	TRUE	4.89E-18
Allergic asthma	STXBP2	cg24759919	rs62113379	C	T	0.269	0.030	0.189	1.48E-19	-0.020	0.017	0.248	0.022	81.788	TRUE	1.26E-18
Allergic asthma	STXBP2	cg24759919	rs7260296	T	C	-0.293	0.032	0.480	8.57E-20	0.032	0.014	0.020	0.022	82.869	TRUE	2.55E-18
Allergic asthma	STXBP2	cg24759919	rs752972	A	G	-0.189	0.033	0.158	1.00E-08	0.000	0.021	0.990	0.009	32.818	TRUE	1.36E-08
Allergic asthma	STXBP2	cg27508769	rs35020672	C	T	0.136	0.024	0.355	1.57E-08	-0.041	0.014	0.003	0.009	31.949	TRUE	1.54E-07
Allergic asthma	STXBP2	cg27546241	rs10416592	T	C	0.294	0.027	0.246	9.86E-28	-0.033	0.015	0.027	0.031	119.055	TRUE	7.45E-26
Allergic asthma	STXBP2	cg27546241	rs12459044	G	C	-0.352	0.050	0.137	1.34E-12	-0.015	0.018	0.416	0.013	50.244	TRUE	4.35E-12
Allergic asthma	STXBP2	cg27546241	rs3745364	T	C	0.586	0.023	0.355	2.67E-137	-0.042	0.014	0.002	0.144	621.725	TRUE	1.05E-124
Allergic asthma	STXBP2	cg27546241	rs4804216	T	C	0.175	0.030	0.182	7.60E-09	-0.018	0.017	0.293	0.009	33.358	TRUE	2.13E-08
Allergic asthma	STXBP2	cg27546241	rs500914	T	C	0.141	0.024	0.449	5.07E-09	0.003	0.014	0.809	0.009	34.144	TRUE	8.22E-09
Allergic asthma	STXBP2	cg27546241	rs7260296	T	C	-0.189	0.032	0.480	4.95E-09	0.032	0.014	0.020	0.009	34.190	TRUE	3.35E-08
Allergic asthma	SYK	cg02608019	rs10993700	G	C	0.296	0.041	0.086	5.56E-13	0.033	0.019	0.082	0.014	51.967	TRUE	4.07E-12
Allergic asthma	SYK	cg02608019	rs1319677	G	A	0.608	0.022	0.469	2.85E-166	0.030	0.014	0.027	0.169	754.873	TRUE	6.87E-151
Allergic asthma	SYK	cg02608019	rs158686	A	C	0.170	0.030	0.191	1.76E-08	-0.007	0.018	0.707	0.009	31.721	TRUE	3.04E-08
Allergic asthma	SYK	cg02608019	rs1870660	G	C	-0.309	0.030	0.187	3.76E-24	-0.007	0.019	0.729	0.027	102.718	TRUE	1.95E-23
Allergic asthma	SYK	cg02608019	rs209424	A	C	-0.332	0.039	0.098	7.86E-18	-0.030	0.024	0.208	0.020	73.948	TRUE	6.25E-17

Allergic asthma	SYK	cg02608019	rs61388775	G	C	0.302	0.035	0.128	4.04E-18	0.010	0.022	0.662	0.020	75.260	TRUE	1.43E-17
Allergic asthma	SYK	cg02608019	rs62559064	G	A	-0.292	0.042	0.083	2.64E-12	-0.014	0.031	0.646	0.013	48.911	TRUE	6.25E-12
Allergic asthma	SYK	cg02608019	rs7039014	A	G	0.343	0.038	0.104	2.37E-19	-0.005	0.020	0.807	0.021	80.862	TRUE	7.54E-19
Allergic asthma	SYK	cg02608019	rs71494420	T	C	-0.283	0.040	0.100	2.39E-12	-0.038	0.023	0.098	0.013	49.105	TRUE	1.52E-11
Allergic asthma	SYK	cg02608019	rs76050131	A	G	-0.259	0.041	0.086	2.05E-10	-0.020	0.023	0.383	0.011	40.394	TRUE	5.81E-10
Allergic asthma	SYK	cg13782919	rs2780701	G	A	-0.188	0.023	0.458	7.02E-16	0.031	0.014	0.023	0.017	65.093	TRUE	1.18E-14
Allergic asthma	SYK	cg14424519	rs158690	G	A	0.252	0.034	0.137	1.82E-13	0.045	0.018	0.010	0.014	54.157	TRUE	2.84E-12
Allergic asthma	SYK	cg23447996	rs2035072	C	T	0.235	0.040	0.092	5.72E-09	-0.046	0.025	0.063	0.009	33.911	TRUE	2.81E-08
Allergic asthma	SYK	cg23447996	rs2780701	G	A	-0.168	0.023	0.458	5.35E-13	0.031	0.014	0.023	0.014	52.044	TRUE	6.12E-12
Allergic asthma	TCIRG1	cg01845451	rs12417937	C	T	0.334	0.047	0.067	1.48E-12	-0.015	0.029	0.613	0.013	50.053	TRUE	3.69E-12
Allergic asthma	TCIRG1	cg01845451	rs188948613	A	G	0.574	0.099	0.028	6.26E-09	0.057	0.024	0.019	0.009	33.734	TRUE	4.28E-08
Allergic asthma	TCIRG1	cg01845451	rs308306	A	G	0.265	0.027	0.260	4.37E-23	0.004	0.017	0.831	0.026	97.860	TRUE	1.78E-22
Allergic asthma	TCIRG1	cg01845451	rs3133269	C	T	0.957	0.022	0.280	<1E-200	0.008	0.014	0.589	0.339	1896.170	TRUE	<1E-200
Allergic asthma	TCIRG1	cg01845451	rs4071997	A	G	-0.278	0.030	0.200	7.80E-21	0.020	0.018	0.252	0.023	87.605	TRUE	7.46E-20
Allergic asthma	TCIRG1	cg01845451	rs546538746	T	G	0.836	0.087	0.019	5.37E-22	0.051	0.041	0.212	0.024	92.896	TRUE	6.49E-21
Allergic asthma	TCIRG1	cg01845451	rs6591335	T	C	0.284	0.024	0.403	2.97E-32	0.002	0.014	0.868	0.036	139.706	TRUE	2.50E-31
Allergic asthma	TCIRG1	cg01845451	rs7116924	C	T	-0.438	0.029	0.197	7.02E-52	-0.042	0.020	0.033	0.058	229.549	TRUE	1.60E-48
Allergic asthma	TCIRG1	cg01845451	rs72926467	T	C	0.833	0.065	0.030	5.09E-38	-0.058	0.039	0.138	0.043	166.076	TRUE	5.43E-36
Allergic asthma	TCIRG1	cg01845451	rs74590624	T	C	0.206	0.034	0.142	9.15E-10	-0.041	0.024	0.090	0.010	37.478	TRUE	4.44E-09
Allergic asthma	TCIRG1	cg01845451	rs9667430	T	A	-0.178	0.027	0.273	1.86E-11	0.004	0.016	0.791	0.012	45.084	TRUE	3.56E-11
Allergic asthma	TCIRG1	cg02387701	rs11228173	T	C	0.219	0.038	0.105	6.70E-09	-0.019	0.025	0.459	0.009	33.602	TRUE	1.52E-08
Allergic asthma	TCIRG1	cg02387701	rs3808974	G	A	0.350	0.026	0.255	6.84E-40	-0.015	0.016	0.371	0.045	174.641	TRUE	3.78E-38
Allergic asthma	TCIRG1	cg06279471	rs11228147	A	C	-0.350	0.039	0.100	2.87E-19	-0.002	0.022	0.937	0.021	80.484	TRUE	7.60E-19
Allergic asthma	TCIRG1	cg06279471	rs149720654	A	G	-0.325	0.057	0.046	9.74E-09	0.040	0.020	0.048	0.009	32.874	TRUE	5.03E-08
Allergic asthma	TCIRG1	cg06279471	rs3808969	G	A	-0.186	0.031	0.183	1.33E-09	0.003	0.018	0.856	0.010	36.754	TRUE	2.13E-09
Allergic asthma	TCIRG1	cg06279471	rs71459684	G	T	0.489	0.056	0.049	2.29E-18	-0.010	0.046	0.835	0.020	76.385	TRUE	6.52E-18
Allergic asthma	TCIRG1	cg06279471	rs884826	G	A	-0.532	0.023	0.476	4.77E-120	-0.012	0.014	0.373	0.128	542.450	TRUE	5.53E-112
Allergic asthma	TCIRG1	cg06279471	rs999571	A	G	-0.350	0.038	0.103	1.72E-20	-0.034	0.034	0.328	0.023	86.040	TRUE	1.33E-19
Allergic asthma	TCIRG1	cg08162803	rs71459684	G	T	0.530	0.056	0.049	2.45E-21	-0.010	0.046	0.835	0.024	89.894	TRUE	8.69E-21
Allergic asthma	TCIRG1	cg08162803	rs884826	G	A	-0.291	0.023	0.476	2.00E-35	-0.012	0.014	0.373	0.040	154.205	TRUE	6.54E-34
Allergic asthma	TCIRG1	cg08801887	rs10896289	A	C	0.198	0.031	0.168	1.11E-10	-0.057	0.025	0.023	0.011	41.589	TRUE	9.23E-10
Allergic asthma	TCIRG1	cg08932343	rs2511437	C	A	0.226	0.023	0.408	5.87E-22	0.001	0.014	0.965	0.024	92.719	TRUE	1.81E-21
Allergic asthma	TCIRG1	cg11731626	rs71459684	G	T	0.406	0.056	0.049	3.82E-13	-0.010	0.046	0.835	0.014	52.703	TRUE	7.72E-13
Allergic asthma	TCIRG1	cg11731626	rs884826	G	A	-0.144	0.024	0.476	1.00E-09	-0.012	0.014	0.373	0.010	37.298	TRUE	2.72E-09
Allergic asthma	TCIRG1	cg18456140	rs11228093	T	G	-0.169	0.029	0.196	7.09E-09	-0.045	0.018	0.012	0.009	33.493	TRUE	5.31E-08
Allergic asthma	TCIRG1	cg18456140	rs3808973	T	C	-1.257	0.065	0.029	3.06E-84	-0.016	0.030	0.579	0.093	378.002	TRUE	7.42E-80
Allergic asthma	TCIRG1	cg20865778	rs10750830	C	T	0.143	0.024	0.415	1.89E-09	-0.009	0.015	0.547	0.010	36.060	TRUE	4.08E-09
Allergic asthma	TCIRG1	cg20865778	rs11228038	C	T	0.226	0.041	0.193	2.44E-08	-0.014	0.020	0.466	0.008	31.091	TRUE	5.27E-08
Allergic asthma	TCIRG1	cg20865778	rs11228147	A	C	0.449	0.039	0.100	9.97E-31	-0.002	0.022	0.937	0.035	132.734	TRUE	6.48E-30
Allergic asthma	TCIRG1	cg20865778	rs11481	T	A	0.232	0.025	0.354	8.99E-21	-0.002	0.014	0.890	0.023	87.326	TRUE	2.83E-20
Allergic asthma	TCIRG1	cg20865778	rs11600312	A	G	0.223	0.040	0.088	1.74E-08	-0.036	0.034	0.299	0.009	31.750	TRUE	4.67E-08
Allergic asthma	TCIRG1	cg20865778	rs4071997	A	G	-0.198	0.030	0.200	2.93E-11	0.020	0.018	0.252	0.012	44.197	TRUE	1.11E-10

Allergic asthma	TCIRG1	cg20865778	rs4147779	G	A	-0.192	0.027	0.260	1.11E-12	0.010	0.014	0.486	0.013	50.604	TRUE	3.30E-12
Allergic asthma	TCIRG1	cg20865778	rs538038638	A	C	0.709	0.090	0.017	3.04E-15	-0.079	0.056	0.155	0.017	62.210	TRUE	2.16E-14
Allergic asthma	TCIRG1	cg20865778	rs79557925	A	G	0.863	0.030	0.168	1.21E-187	-0.058	0.025	0.021	0.187	853.121	TRUE	4.81E-169
Allergic asthma	TCIRG1	cg20865778	rs9737232	G	T	0.253	0.025	0.304	1.16E-23	-0.030	0.016	0.065	0.026	100.490	TRUE	3.34E-22
Allergic asthma	TCIRG1	cg21049762	rs3763942	G	A	0.177	0.031	0.169	1.26E-08	0.007	0.018	0.714	0.009	32.376	TRUE	2.17E-08
Allergic asthma	TCIRG1	cg21049762	rs4147780	G	A	0.228	0.023	0.476	6.74E-23	-0.012	0.014	0.376	0.026	97.004	TRUE	5.90E-22
Allergic asthma	TCIRG1	cg21165137	rs11228173	T	C	0.252	0.038	0.105	2.79E-11	-0.019	0.025	0.459	0.012	44.294	TRUE	7.67E-11
Allergic asthma	TCIRG1	cg21165137	rs11481	T	A	0.210	0.025	0.354	2.25E-17	-0.002	0.014	0.890	0.019	71.877	TRUE	5.58E-17
Allergic asthma	TCIRG1	cg21165137	rs12803743	C	T	-0.168	0.030	0.188	3.03E-08	0.020	0.018	0.259	0.008	30.669	TRUE	8.46E-08
Allergic asthma	TCIRG1	cg21165137	rs3808974	G	A	0.468	0.026	0.255	1.67E-70	-0.015	0.016	0.371	0.078	314.949	TRUE	7.55E-67
Allergic asthma	TCIRG1	cg21165137	rs538038638	A	C	0.537	0.090	0.017	2.08E-09	-0.079	0.056	0.155	0.010	35.874	TRUE	7.99E-09
Allergic asthma	TCIRG1	cg23334365	rs11228145	G	T	-0.150	0.023	0.437	1.13E-10	0.005	0.014	0.692	0.011	41.558	TRUE	2.27E-10
Allergic asthma	TCIRG1	cg23334365	rs122213	T	C	0.314	0.056	0.049	1.64E-08	0.008	0.045	0.864	0.009	31.862	TRUE	2.46E-08
Allergic asthma	TCIRG1	cg26921533	rs2075609	G	A	0.278	0.026	0.268	1.09E-26	-0.010	0.016	0.534	0.030	114.292	TRUE	9.95E-26
Allergic asthma	TFEB	cg02284014	rs114431690	A	G	-1.012	0.074	0.028	6.40E-43	-0.013	0.038	0.732	0.048	188.506	TRUE	2.12E-41
Allergic asthma	TFEB	cg02284014	rs13214412	T	C	-0.265	0.026	0.259	9.57E-24	0.035	0.014	0.014	0.027	100.867	TRUE	5.66E-22
Allergic asthma	TFEB	cg02284014	rs140136183	C	G	-0.519	0.068	0.030	1.86E-14	-0.010	0.036	0.780	0.016	58.647	TRUE	4.35E-14
Allergic asthma	TFEB	cg02284014	rs2057067	A	G	-0.237	0.030	0.188	3.89E-15	0.026	0.018	0.138	0.016	61.721	TRUE	2.89E-14
Allergic asthma	TFEB	cg02284014	rs9381105	A	G	-0.181	0.029	0.228	4.29E-10	0.022	0.015	0.160	0.010	38.955	TRUE	1.75E-09
Allergic asthma	TFEB	cg10696677	rs11969692	A	G	-0.373	0.024	0.321	5.42E-53	0.033	0.015	0.023	0.060	234.650	TRUE	1.89E-49
Allergic asthma	TFEB	cg10696677	rs12526403	T	C	-0.449	0.078	0.047	9.03E-09	0.021	0.033	0.528	0.009	33.022	TRUE	1.89E-08
Allergic asthma	TFEB	cg10696677	rs35250013	A	T	-0.150	0.026	0.281	4.61E-09	0.009	0.015	0.558	0.009	34.327	TRUE	9.55E-09
Allergic asthma	TFEB	cg23317857	rs12664901	G	A	-0.527	0.036	0.121	1.99E-47	0.024	0.022	0.266	0.054	209.151	TRUE	4.09E-45
Allergic asthma	TFEB	cg23317857	rs13206766	T	C	0.220	0.037	0.244	4.45E-09	0.012	0.019	0.517	0.009	34.399	TRUE	9.62E-09
Allergic asthma	TFEB	cg23678165	rs73733015	G	C	-0.271	0.034	0.143	1.37E-15	0.033	0.021	0.116	0.017	63.774	TRUE	1.16E-14
Allergic asthma	TMEM39A	cg12184221	rs11720423	A	G	0.191	0.027	0.263	1.08E-12	-0.031	0.014	0.033	0.014	50.669	TRUE	1.06E-11
Allergic asthma	TMEM39A	cg12184221	rs12695386	C	T	-0.192	0.030	0.190	8.21E-11	0.036	0.020	0.077	0.011	42.184	TRUE	4.76E-10
Allergic asthma	TNFRSF1B	cg05599723	rs1061622	G	T	0.207	0.027	0.237	4.06E-14	-0.057	0.016	3.58E-04	0.015	57.108	TRUE	1.65E-12
Allergic asthma	TNFRSF1B	cg05599723	rs1212890	G	A	0.130	0.023	0.495	2.38E-08	0.014	0.014	0.313	0.008	31.136	TRUE	6.20E-08
Allergic asthma	TNFRSF1B	cg05599723	rs5746026	A	G	0.780	0.059	0.041	2.05E-40	-0.103	0.045	0.022	0.046	177.032	TRUE	1.03E-37
Allergic asthma	TNFRSF1B	cg08844894	rs5745977	A	G	1.122	0.130	0.020	5.68E-18	-0.063	0.037	0.087	0.020	74.588	TRUE	7.23E-17
Allergic asthma	TNFRSF1B	cg09557991	rs1148459	T	G	-0.252	0.023	0.465	4.06E-27	-0.001	0.014	0.925	0.030	116.250	TRUE	1.98E-26
Allergic asthma	TNFRSF1B	cg13471521	rs1212890	G	A	0.256	0.023	0.495	4.99E-28	0.014	0.014	0.313	0.032	120.405	TRUE	8.50E-27
Allergic asthma	TNFRSF1B	cg13471521	rs5746026	A	G	0.358	0.059	0.041	1.61E-09	-0.103	0.045	0.022	0.010	36.378	TRUE	1.15E-08
Allergic asthma	TNFRSF1B	cg13471521	rs603151	C	G	0.321	0.027	0.248	3.43E-33	-0.048	0.016	0.003	0.037	143.993	TRUE	1.54E-30
Allergic asthma	TNFRSF1B	cg20136855	rs967403	A	G	-0.145	0.024	0.482	7.68E-10	0.000	0.014	0.976	0.010	37.819	TRUE	1.12E-09
Allergic asthma	TNFRSF1B	cg20680726	rs12563166	C	T	0.738	0.089	0.038	1.55E-16	-0.018	0.046	0.700	0.018	68.067	TRUE	4.64E-16
Allergic asthma	TNFRSF1B	cg20680726	rs5746026	A	G	1.585	0.057	0.041	3.72E-173	-0.103	0.045	0.022	0.175	786.521	TRUE	1.04E-156
Allergic asthma	TNFRSF1B	cg20680726	rs616645	G	T	0.278	0.028	0.226	5.87E-23	-0.035	0.018	0.050	0.026	97.278	TRUE	1.77E-21
Allergic asthma	TNFRSF1B	cg20680726	rs630542	G	T	0.137	0.023	0.455	3.48E-09	0.004	0.013	0.778	0.009	34.877	TRUE	5.85E-09
Allergic asthma	TNFRSF1B	cg22677556	rs1061622	G	T	0.277	0.028	0.237	8.99E-24	-0.057	0.016	3.58E-04	0.027	100.991	TRUE	1.91E-21
Allergic asthma	TNFRSF1B	cg22677556	rs1148459	T	G	-0.251	0.023	0.465	7.68E-27	-0.001	0.014	0.925	0.030	114.986	TRUE	3.66E-26

Allergic asthma	TNFRSF1B	cg22677556	rs5746026	A	G	1.089	0.058	0.041	5.27E-78	-0.103	0.045	0.022	0.086	349.374	TRUE	1.74E-72
Allergic asthma	TNFRSF25	cg00087884	rs12092014	C	G	-0.397	0.047	0.071	1.95E-17	-0.046	0.022	0.036	0.019	72.157	TRUE	3.39E-16
Allergic asthma	TNFRSF25	cg02064442	rs77492523	T	C	-0.331	0.052	0.055	1.33E-10	-0.096	0.044	0.029	0.011	41.244	TRUE	1.02E-09
Allergic asthma	TNFRSF25	cg02988775	rs77492523	T	C	-0.320	0.052	0.055	6.86E-10	-0.096	0.044	0.029	0.010	38.039	TRUE	4.78E-09
Allergic asthma	TNFRSF25	cg03893150	rs11591172	T	C	0.536	0.083	0.043	1.18E-10	-0.060	0.033	0.067	0.011	41.479	TRUE	7.02E-10
Allergic asthma	TNFRSF25	cg03893150	rs145874866	G	A	1.010	0.159	0.011	2.05E-10	-0.032	0.031	0.293	0.011	40.399	TRUE	6.64E-10
Allergic asthma	TNFRSF25	cg03893150	rs6675376	C	G	0.183	0.029	0.191	4.36E-10	0.011	0.018	0.534	0.010	38.922	TRUE	9.99E-10
Allergic asthma	TNFRSF25	cg03893150	rs77492523	T	C	1.194	0.050	0.055	8.91E-127	-0.096	0.044	0.029	0.134	573.365	TRUE	1.84E-116
Allergic asthma	TNFRSF25	cg04500986	rs3007418	A	G	0.748	0.049	0.063	7.16E-53	-0.084	0.043	0.051	0.060	234.093	TRUE	1.38E-49
Allergic asthma	TNFRSF25	cg10059687	rs190427115	A	G	0.539	0.093	0.019	6.73E-09	-0.020	0.041	0.623	0.009	33.594	TRUE	1.29E-08
Allergic asthma	TNFRSF25	cg10059687	rs2103673	T	C	0.198	0.033	0.140	2.57E-09	0.021	0.020	0.274	0.009	35.467	TRUE	7.74E-09
Allergic asthma	TNFRSF25	cg10059687	rs3007416	G	A	0.899	0.048	0.064	1.50E-77	-0.036	0.026	0.158	0.086	347.286	TRUE	6.96E-73
Allergic asthma	TNFRSF25	cg10230885	rs3138155	A	T	0.355	0.046	0.069	7.72E-15	0.030	0.023	0.194	0.016	60.373	TRUE	4.71E-14
Allergic asthma	TNFRSF25	cg10539898	rs3138150	T	C	0.667	0.051	0.054	2.69E-39	-0.096	0.044	0.030	0.044	171.917	TRUE	9.62E-37
Allergic asthma	TNFRSF25	cg12814070	rs11591172	T	C	0.593	0.083	0.043	9.07E-13	-0.060	0.033	0.067	0.014	51.009	TRUE	6.98E-12
Allergic asthma	TNFRSF25	cg12814070	rs12402498	G	C	0.158	0.025	0.326	2.20E-10	0.002	0.015	0.900	0.011	40.255	TRUE	3.54E-10
Allergic asthma	TNFRSF25	cg12814070	rs3007416	G	A	1.227	0.047	0.064	1.66E-148	-0.036	0.026	0.158	0.154	673.215	TRUE	1.59E-136
Allergic asthma	TNFRSF25	cg12814070	rs7540469	C	T	0.238	0.029	0.193	4.24E-16	0.011	0.018	0.540	0.018	66.087	TRUE	1.53E-15
Allergic asthma	TNFRSF25	cg16681526	rs10492951	G	A	0.202	0.035	0.132	8.15E-09	-0.031	0.024	0.195	0.009	33.222	TRUE	2.69E-08
Allergic asthma	TNFRSF25	cg16681526	rs17438786	C	G	0.766	0.101	0.028	2.92E-14	-0.060	0.036	0.092	0.015	57.757	TRUE	2.37E-13
Allergic asthma	TNFRSF25	cg16681526	rs2986747	G	A	0.304	0.046	0.175	2.50E-11	-0.009	0.016	0.583	0.012	44.511	TRUE	5.92E-11
Allergic asthma	TNFRSF25	cg16681526	rs3007416	G	A	1.261	0.047	0.064	1.64E-157	-0.036	0.026	0.158	0.162	714.609	TRUE	2.21E-144
Allergic asthma	TNFRSF25	cg16681526	rs7540469	C	T	0.213	0.029	0.193	3.98E-13	0.011	0.018	0.540	0.014	52.625	TRUE	1.14E-12
Allergic asthma	TNFRSF25	cg23114616	rs10492951	G	A	0.262	0.035	0.132	6.72E-14	-0.031	0.024	0.195	0.015	56.118	TRUE	3.72E-13
Allergic asthma	TNFRSF25	cg23114616	rs11591172	T	C	0.734	0.083	0.043	7.17E-19	-0.060	0.033	0.067	0.021	78.673	TRUE	1.14E-17
Allergic asthma	TNFRSF25	cg23114616	rs12711514	G	A	-0.131	0.024	0.413	3.70E-08	0.025	0.014	0.072	0.008	30.286	TRUE	1.58E-07
Allergic asthma	TNFRSF25	cg23114616	rs145874866	G	A	1.166	0.158	0.011	1.91E-13	-0.032	0.031	0.293	0.014	54.064	TRUE	8.19E-13
Allergic asthma	TNFRSF25	cg23114616	rs2986747	G	A	0.282	0.046	0.175	6.02E-10	-0.009	0.016	0.583	0.010	38.296	TRUE	1.29E-09
Allergic asthma	TNFRSF25	cg23114616	rs3789512	C	T	0.263	0.042	0.182	4.24E-10	-0.049	0.016	0.002	0.010	38.979	TRUE	5.83E-09
Allergic asthma	TNFRSF25	cg23114616	rs41278020	T	C	0.695	0.117	0.021	3.10E-09	0.038	0.103	0.716	0.009	35.103	TRUE	5.54E-09
Allergic asthma	TNFRSF25	cg23114616	rs7525381	C	T	0.278	0.034	0.138	1.56E-16	0.009	0.020	0.662	0.018	68.053	TRUE	4.91E-16
Allergic asthma	TNFRSF25	cg23114616	rs77492523	T	C	1.556	0.048	0.055	6.52E-226	-0.096	0.044	0.029	0.218	1029.073	TRUE	2.57E-201
Allergic asthma	TNFRSF25	cg26056577	rs3007418	A	G	0.345	0.049	0.063	2.88E-12	-0.084	0.043	0.051	0.013	48.745	TRUE	2.29E-11
Allergic asthma	TP73	cg00505606	rs3765754	C	T	-0.202	0.024	0.339	2.45E-17	0.015	0.014	0.279	0.019	71.706	TRUE	1.56E-16
Allergic asthma	TP73	cg00589002	rs1122723	G	A	-0.198	0.024	0.426	1.44E-16	-0.008	0.014	0.547	0.018	68.214	TRUE	5.33E-16
Allergic asthma	TP73	cg00589002	rs144666894	A	T	-0.403	0.067	0.029	1.57E-09	0.033	0.041	0.414	0.010	36.424	TRUE	3.97E-09
Allergic asthma	TP73	cg00589002	rs3819963	T	C	0.288	0.030	0.178	2.90E-21	0.048	0.022	0.027	0.024	89.563	TRUE	9.31E-20
Allergic asthma	TP73	cg02134594	rs3765754	C	T	-0.289	0.024	0.339	5.81E-34	0.015	0.014	0.279	0.038	147.516	TRUE	2.11E-32
Allergic asthma	TP73	cg03103850	rs3765754	C	T	-0.181	0.024	0.339	3.50E-14	0.015	0.014	0.279	0.015	57.399	TRUE	1.65E-13
Allergic asthma	TP73	cg04137576	rs1885863	C	T	-0.318	0.029	0.207	2.20E-28	-0.008	0.017	0.647	0.032	122.031	TRUE	1.91E-27
Allergic asthma	TP73	cg04137576	rs2760321	T	C	0.272	0.031	0.175	1.53E-18	0.002	0.021	0.922	0.020	77.182	TRUE	3.93E-18
Allergic asthma	TP73	cg04137576	rs3818330	T	G	-0.242	0.028	0.213	1.25E-17	0.006	0.015	0.705	0.019	73.031	TRUE	4.03E-17

Allergic asthma	TP73	cg04159546	rs2146657	A	G	-0.235	0.029	0.203	6.09E-16	0.024	0.016	0.122	0.017	65.371	TRUE	5.25E-15
Allergic asthma	TP73	cg04159546	rs35837097	A	G	-0.146	0.024	0.468	5.86E-10	0.014	0.014	0.310	0.010	38.347	TRUE	1.77E-09
Allergic asthma	TP73	cg04159546	rs375432272	A	C	-0.744	0.113	0.022	3.85E-11	0.044	0.044	0.323	0.012	43.664	TRUE	1.27E-10
Allergic asthma	TP73	cg04159546	rs3765703	G	T	-0.355	0.024	0.426	1.00E-50	-0.008	0.014	0.565	0.057	224.265	TRUE	1.28E-48
Allergic asthma	TP73	cg04159546	rs3765751	A	G	-0.351	0.025	0.289	2.35E-43	-0.018	0.015	0.250	0.049	190.498	TRUE	3.00E-41
Allergic asthma	TP73	cg04159546	rs3765769	C	T	-0.434	0.062	0.035	2.72E-12	0.032	0.041	0.432	0.013	48.854	TRUE	8.42E-12
Allergic asthma	TP73	cg04159546	rs6702451	T	A	-0.181	0.030	0.194	1.60E-09	0.025	0.018	0.165	0.010	36.385	TRUE	6.08E-09
Allergic asthma	TP73	cg04159546	rs7526126	G	C	-0.180	0.031	0.177	5.70E-09	0.002	0.021	0.942	0.009	33.916	TRUE	8.19E-09
Allergic asthma	TP73	cg04392488	rs12117836	A	G	-0.380	0.025	0.346	2.77E-53	0.024	0.014	0.079	0.060	235.985	TRUE	4.04E-50
Allergic asthma	TP73	cg04392488	rs3753205	C	G	-0.249	0.043	0.213	7.31E-09	-0.017	0.017	0.332	0.009	33.433	TRUE	1.94E-08
Allergic asthma	TP73	cg04392488	rs3765754	C	T	-0.198	0.024	0.339	1.40E-16	0.015	0.014	0.279	0.018	68.263	TRUE	8.30E-16
Allergic asthma	TP73	cg04562683	rs12095248	G	A	0.457	0.040	0.093	7.31E-30	0.058	0.019	0.002	0.034	128.783	TRUE	2.30E-27
Allergic asthma	TP73	cg04562683	rs12121865	A	G	-0.508	0.074	0.058	5.48E-12	0.047	0.035	0.175	0.013	47.482	TRUE	2.63E-11
Allergic asthma	TP73	cg04562683	rs12737840	T	C	-0.815	0.027	0.387	3.71E-200	0.003	0.014	0.816	0.198	910.649	TRUE	1.11E-182
Allergic asthma	TP73	cg04562683	rs2224718	T	C	0.138	0.024	0.420	1.08E-08	-0.008	0.014	0.557	0.009	32.675	TRUE	2.18E-08
Allergic asthma	TP73	cg04562683	rs35837097	A	G	-0.223	0.024	0.468	2.84E-21	0.014	0.014	0.310	0.024	89.600	TRUE	2.46E-20
Allergic asthma	TP73	cg04562683	rs3765702	T	C	0.154	0.024	0.388	2.26E-10	0.000	0.014	0.994	0.011	40.210	TRUE	3.31E-10
Allergic asthma	TP73	cg04562683	rs6424089	A	G	-0.318	0.034	0.461	3.31E-20	-0.009	0.014	0.494	0.022	84.747	TRUE	1.81E-19
Allergic asthma	TP73	cg04562683	rs72470159	C	G	0.669	0.095	0.034	1.72E-12	-0.016	0.050	0.752	0.013	49.755	TRUE	3.65E-12
Allergic asthma	TP73	cg04600984	rs36031771	G	A	-0.138	0.024	0.404	1.18E-08	0.035	0.014	0.010	0.009	32.509	TRUE	8.83E-08
Allergic asthma	TP73	cg04600984	rs4648534	T	C	-0.188	0.027	0.270	3.50E-12	0.004	0.015	0.772	0.013	48.361	TRUE	7.13E-12
Allergic asthma	TP73	cg04600984	rs75368081	G	A	-0.253	0.044	0.072	7.23E-09	-0.052	0.028	0.065	0.009	33.453	TRUE	3.48E-08
Allergic asthma	TP73	cg05116756	rs35837097	A	G	-0.203	0.023	0.468	1.70E-18	0.014	0.014	0.310	0.020	76.973	TRUE	1.12E-17
Allergic asthma	TP73	cg05116756	rs3765754	C	T	-0.136	0.024	0.339	7.59E-09	0.015	0.014	0.279	0.009	33.359	TRUE	2.17E-08
Allergic asthma	TP73	cg05782471	rs1181880	T	C	-0.212	0.038	0.099	3.26E-08	0.009	0.021	0.674	0.008	30.527	TRUE	5.69E-08
Allergic asthma	TP73	cg05782471	rs2146659	G	A	-0.276	0.024	0.365	5.28E-30	-0.024	0.014	0.075	0.034	129.427	TRUE	3.08E-28
Allergic asthma	TP73	cg05924583	rs12408890	C	T	-0.167	0.025	0.340	1.32E-11	-0.003	0.014	0.851	0.012	45.754	TRUE	2.40E-11
Allergic asthma	TP73	cg05936300	rs2760317	T	C	-0.322	0.051	0.058	1.84E-10	-0.035	0.031	0.268	0.011	40.608	TRUE	6.24E-10
Allergic asthma	TP73	cg05936300	rs2821022	A	T	-0.303	0.026	0.300	2.58E-32	0.033	0.016	0.041	0.036	139.989	TRUE	2.88E-30
Allergic asthma	TP73	cg05936300	rs3765703	G	T	-0.182	0.024	0.426	3.29E-14	-0.008	0.014	0.565	0.015	57.524	TRUE	9.87E-14
Allergic asthma	TP73	cg05936300	rs7416277	A	G	-0.346	0.061	0.039	1.32E-08	0.068	0.029	0.017	0.009	32.285	TRUE	8.73E-08
Allergic asthma	TP73	cg06646112	rs3765737	G	A	0.251	0.024	0.376	1.95E-25	-0.020	0.014	0.142	0.029	108.574	TRUE	4.45E-24
Allergic asthma	TP73	cg06939447	rs3765703	G	T	-0.134	0.024	0.426	1.90E-08	-0.008	0.014	0.565	0.008	31.580	TRUE	3.73E-08
Allergic asthma	TP73	cg06996273	rs3765754	C	T	-0.136	0.024	0.339	1.53E-08	0.015	0.014	0.279	0.009	31.995	TRUE	4.26E-08
Allergic asthma	TP73	cg07045089	rs2296032	C	T	0.387	0.032	0.319	2.20E-33	-0.008	0.014	0.551	0.038	144.874	TRUE	3.78E-32
Allergic asthma	TP73	cg07045089	rs3765763	A	C	-0.169	0.031	0.174	4.66E-08	0.048	0.022	0.027	0.008	29.836	TRUE	2.56E-07
Allergic asthma	TP73	cg08887707	rs1181877	T	C	-0.286	0.035	0.302	1.13E-16	0.004	0.014	0.770	0.018	68.695	TRUE	3.11E-16
Allergic asthma	TP73	cg08887707	rs1181880	T	C	0.234	0.038	0.099	1.19E-09	0.009	0.021	0.674	0.010	36.972	TRUE	2.27E-09
Allergic asthma	TP73	cg08887707	rs12032272	T	C	-1.279	0.035	0.164	4.89E-293	0.007	0.018	0.708	0.266	1337.767	TRUE	6.03E-259
Allergic asthma	TP73	cg08887707	rs35761570	C	T	-0.187	0.028	0.233	2.04E-11	0.010	0.020	0.627	0.012	44.905	TRUE	4.64E-11
Allergic asthma	TP73	cg08887707	rs3753205	C	G	-0.415	0.043	0.213	1.85E-22	-0.017	0.017	0.332	0.025	95.007	TRUE	1.71E-21
Allergic asthma	TP73	cg08887707	rs3765762	A	G	-1.036	0.064	0.034	2.48E-59	0.024	0.040	0.550	0.067	263.716	TRUE	1.08E-56

Allergic asthma	TP73	cg08887707	rs4582730	G	A	0.283	0.024	0.380	7.30E-32	-0.022	0.014	0.100	0.036	137.923	TRUE	4.50E-30
Allergic asthma	TP73	cg08887707	rs76073395	T	C	-0.503	0.056	0.090	2.98E-19	0.007	0.023	0.743	0.021	80.406	TRUE	1.03E-18
Allergic asthma	TP73	cg09248714	rs3765692	C	T	0.379	0.037	0.249	8.86E-25	-0.008	0.015	0.582	0.028	105.580	TRUE	6.21E-24
Allergic asthma	TP73	cg09248714	rs3765730	A	G	-0.162	0.025	0.362	5.65E-11	-0.018	0.014	0.193	0.011	42.917	TRUE	2.33E-10
Allergic asthma	TP73	cg09248714	rs60206806	C	T	0.217	0.031	0.175	2.44E-12	0.003	0.021	0.903	0.013	49.070	TRUE	4.36E-12
Allergic asthma	TP73	cg09852697	rs1122723	G	A	-0.395	0.024	0.426	6.89E-63	-0.008	0.014	0.547	0.070	280.020	TRUE	5.15E-60
Allergic asthma	TP73	cg09852697	rs3765736	T	C	0.368	0.024	0.376	3.19E-53	-0.020	0.014	0.140	0.060	235.701	TRUE	2.82E-50
Allergic asthma	TP73	cg09852697	rs3765769	C	T	-0.468	0.062	0.035	5.12E-14	0.032	0.041	0.432	0.015	56.653	TRUE	1.83E-13
Allergic asthma	TP73	cg11504517	rs10752739	G	A	0.405	0.023	0.482	1.52E-67	0.003	0.014	0.839	0.075	301.378	TRUE	1.04E-64
Allergic asthma	TP73	cg11504517	rs2821022	A	T	-0.215	0.026	0.300	6.67E-17	0.033	0.016	0.041	0.019	69.731	TRUE	1.03E-15
Allergic asthma	TP73	cg11504517	rs3765703	G	T	-0.213	0.024	0.426	4.94E-19	-0.008	0.014	0.565	0.021	79.411	TRUE	2.17E-18
Allergic asthma	TP73	cg11585071	rs1181880	T	C	-0.245	0.038	0.099	1.80E-10	0.009	0.021	0.674	0.011	40.645	TRUE	3.65E-10
Allergic asthma	TP73	cg11585071	rs12121865	A	G	0.438	0.074	0.058	2.90E-09	0.047	0.035	0.175	0.009	35.231	TRUE	1.05E-08
Allergic asthma	TP73	cg11585071	rs1885870	C	G	-0.840	0.021	0.372	<1E-200	-0.018	0.014	0.206	0.300	1586.883	TRUE	7.84E-300
Allergic asthma	TP73	cg11585071	rs3765732	G	A	0.416	0.047	0.161	5.34E-19	-0.042	0.021	0.048	0.021	79.255	TRUE	1.01E-17
Allergic asthma	TP73	cg11585071	rs55657548	T	C	0.406	0.030	0.178	1.53E-40	0.048	0.022	0.029	0.046	177.614	TRUE	6.63E-38
Allergic asthma	TP73	cg11585071	rs7542464	T	C	0.295	0.025	0.317	2.71E-31	0.021	0.014	0.142	0.035	135.319	TRUE	1.22E-29
Allergic asthma	TP73	cg11970695	rs1122723	G	A	0.169	0.024	0.426	1.83E-12	-0.008	0.014	0.547	0.013	49.627	TRUE	4.94E-12
Allergic asthma	TP73	cg12268562	rs1122723	G	A	-0.272	0.024	0.426	5.45E-30	-0.008	0.014	0.547	0.034	129.365	TRUE	6.68E-29
Allergic asthma	TP73	cg12268562	rs1885868	C	T	-0.491	0.061	0.038	7.32E-16	0.067	0.029	0.020	0.017	65.010	TRUE	1.30E-14
Allergic asthma	TP73	cg12268562	rs2146659	G	A	0.321	0.024	0.365	3.08E-40	-0.024	0.014	0.075	0.045	176.228	TRUE	6.93E-38
Allergic asthma	TP73	cg12268562	rs3819968	T	G	-0.211	0.032	0.411	8.58E-11	0.001	0.014	0.932	0.011	42.097	TRUE	1.37E-10
Allergic asthma	TP73	cg13914636	rs3765743	T	C	-0.314	0.023	0.487	2.63E-42	-0.028	0.014	0.041	0.048	185.697	TRUE	1.20E-39
Allergic asthma	TP73	cg13914636	rs3765769	C	T	-0.349	0.062	0.035	1.93E-08	0.032	0.041	0.432	0.008	31.543	TRUE	4.37E-08
Allergic asthma	TP73	cg13943358	rs10910003	A	G	0.508	0.048	0.148	3.94E-26	0.034	0.017	0.045	0.029	111.745	TRUE	1.86E-24
Allergic asthma	TP73	cg14159342	rs2208992	C	T	-0.139	0.024	0.420	9.27E-09	-0.008	0.014	0.556	0.009	32.972	TRUE	1.88E-08
Allergic asthma	TP73	cg14159342	rs35837097	A	G	0.147	0.024	0.468	5.16E-10	0.014	0.014	0.310	0.010	38.596	TRUE	1.57E-09
Allergic asthma	TP73	cg14159342	rs3765703	G	T	-0.262	0.024	0.426	4.33E-28	-0.008	0.014	0.565	0.032	120.687	TRUE	4.26E-27
Allergic asthma	TP73	cg14159342	rs3765754	C	T	0.151	0.024	0.339	3.38E-10	0.015	0.014	0.279	0.011	39.418	TRUE	1.10E-09
Allergic asthma	TP73	cg14159342	rs3765769	C	T	-0.354	0.062	0.035	1.32E-08	0.032	0.041	0.432	0.009	32.283	TRUE	3.03E-08
Allergic asthma	TP73	cg14660788	rs1122723	G	A	-0.295	0.024	0.426	3.73E-35	-0.008	0.014	0.547	0.040	152.973	TRUE	7.78E-34
Allergic asthma	TP73	cg14660788	rs12032272	T	C	-0.269	0.047	0.164	8.39E-09	0.007	0.018	0.708	0.009	33.165	TRUE	1.47E-08
Allergic asthma	TP73	cg14660788	rs12757620	G	T	0.163	0.024	0.434	6.27E-12	-0.012	0.014	0.401	0.013	47.216	TRUE	1.97E-11
Allergic asthma	TP73	cg14660788	rs2146659	G	A	0.322	0.024	0.365	1.48E-40	-0.024	0.014	0.075	0.046	177.684	TRUE	3.48E-38
Allergic asthma	TP73	cg15161371	rs3765736	T	C	0.134	0.024	0.376	2.25E-08	-0.020	0.014	0.140	0.008	31.251	TRUE	7.98E-08
Allergic asthma	TP73	cg16024523	rs1181880	T	C	-0.215	0.038	0.099	1.97E-08	0.009	0.021	0.674	0.008	31.509	TRUE	3.48E-08
Allergic asthma	TP73	cg16024523	rs3765753	T	G	0.339	0.025	0.289	8.50E-41	-0.018	0.015	0.250	0.046	178.787	TRUE	7.81E-39
Allergic asthma	TP73	cg16024523	rs3819958	A	G	-0.220	0.027	0.252	2.09E-16	0.032	0.016	0.039	0.018	67.483	TRUE	3.09E-15
Allergic asthma	TP73	cg17163168	rs12757620	G	T	0.257	0.024	0.434	2.47E-27	-0.012	0.014	0.401	0.031	117.232	TRUE	3.17E-26
Allergic asthma	TP73	cg17163168	rs2181484	A	G	-0.230	0.039	0.108	2.77E-09	-0.032	0.023	0.162	0.009	35.323	TRUE	1.03E-08
Allergic asthma	TP73	cg17163168	rs3765703	G	T	-0.462	0.023	0.426	1.65E-86	-0.008	0.014	0.565	0.095	388.411	TRUE	6.40E-82
Allergic asthma	TP73	cg17471939	rs114270141	T	C	-0.384	0.066	0.032	5.07E-09	0.036	0.041	0.375	0.009	34.145	TRUE	1.29E-08

Allergic asthma	TP73	cg17471939	rs2181484	A	G	-0.220	0.039	0.108	1.31E-08	-0.032	0.023	0.162	0.009	32.302	TRUE	4.53E-08
Allergic asthma	TP73	cg17471939	rs3765695	A	C	-0.214	0.032	0.149	2.85E-11	-0.017	0.018	0.358	0.012	44.254	TRUE	9.00E-11
Allergic asthma	TP73	cg17471939	rs3765703	G	T	-0.405	0.024	0.426	3.45E-66	-0.008	0.014	0.565	0.074	295.157	TRUE	4.06E-63
Allergic asthma	TP73	cg17471939	rs4582730	G	A	0.133	0.024	0.380	4.46E-08	-0.022	0.014	0.100	0.008	29.921	TRUE	1.71E-07
Allergic asthma	TP73	cg17471939	rs55728961	A	C	0.238	0.024	0.452	5.51E-24	-0.009	0.014	0.519	0.027	101.960	TRUE	4.03E-23
Allergic asthma	TP73	cg17804348	rs1181867	A	G	-0.155	0.028	0.219	3.05E-08	0.023	0.015	0.132	0.008	30.657	TRUE	1.09E-07
Allergic asthma	TP73	cg17804348	rs12757620	G	T	0.178	0.024	0.434	6.67E-14	-0.012	0.014	0.401	0.015	56.134	TRUE	2.47E-13
Allergic asthma	TP73	cg17804348	rs2251098	G	A	-0.218	0.039	0.108	1.72E-08	-0.032	0.023	0.158	0.009	31.766	TRUE	5.95E-08
Allergic asthma	TP73	cg17907911	rs3765739	G	A	-0.426	0.023	0.376	2.91E-74	-0.020	0.014	0.131	0.082	332.204	TRUE	9.05E-70
Allergic asthma	TP73	cg17919477	rs10910001	C	T	-0.315	0.058	0.045	4.60E-08	-0.026	0.031	0.399	0.008	29.863	TRUE	1.05E-07
Allergic asthma	TP73	cg17919477	rs2244942	C	T	-0.425	0.025	0.282	2.98E-64	0.001	0.014	0.950	0.072	286.276	TRUE	9.48E-62
Allergic asthma	TP73	cg17919477	rs36031771	G	A	-0.165	0.024	0.404	4.88E-12	0.035	0.014	0.010	0.013	47.707	TRUE	6.16E-11
Allergic asthma	TP73	cg17919477	rs6679556	T	A	-0.287	0.029	0.202	8.12E-24	-0.011	0.018	0.529	0.027	101.193	TRUE	5.74E-23
Allergic asthma	TP73	cg17986341	rs1745813	T	C	-0.265	0.028	0.214	4.02E-21	0.025	0.015	0.098	0.023	88.914	TRUE	6.91E-20
Allergic asthma	TP73	cg17986341	rs6695978	A	G	0.378	0.059	0.040	2.12E-10	0.068	0.029	0.017	0.011	40.329	TRUE	1.85E-09
Allergic asthma	TP73	cg18279180	rs12033595	G	A	-0.647	0.046	0.164	1.38E-45	0.006	0.018	0.721	0.051	200.714	TRUE	6.39E-44
Allergic asthma	TP73	cg18279180	rs12126706	T	C	0.182	0.025	0.300	8.26E-13	0.037	0.015	0.016	0.014	51.190	TRUE	1.04E-11
Allergic asthma	TP73	cg18279180	rs3765703	G	T	-0.192	0.024	0.426	9.15E-16	-0.008	0.014	0.565	0.017	64.571	TRUE	3.10E-15
Allergic asthma	TP73	cg18279180	rs3765770	A	G	-0.612	0.062	0.035	5.43E-23	0.032	0.041	0.427	0.026	97.433	TRUE	4.31E-22
Allergic asthma	TP73	cg19688837	rs2096224	G	A	0.152	0.028	0.218	4.98E-08	0.024	0.015	0.117	0.008	29.710	TRUE	1.80E-07
Allergic asthma	TP73	cg19692322	rs3765754	C	T	-0.158	0.024	0.339	4.53E-11	0.015	0.014	0.279	0.012	43.347	TRUE	1.60E-10
Allergic asthma	TP73	cg19819912	rs3765754	C	T	-0.137	0.024	0.339	1.08E-08	0.015	0.014	0.279	0.009	32.679	TRUE	3.04E-08
Allergic asthma	TP73	cg20306863	rs10910003	A	G	0.393	0.048	0.148	4.54E-16	0.034	0.017	0.045	0.018	65.952	TRUE	6.08E-15
Allergic asthma	TP73	cg20306863	rs12121865	A	G	0.545	0.074	0.058	1.29E-13	0.047	0.035	0.175	0.015	54.829	TRUE	7.35E-13
Allergic asthma	TP73	cg20306863	rs34868661	G	A	-0.256	0.024	0.364	1.52E-25	-0.018	0.014	0.202	0.029	109.073	TRUE	2.77E-24
Allergic asthma	TP73	cg20306863	rs6663736	C	T	-0.154	0.026	0.290	1.75E-09	0.004	0.014	0.785	0.010	36.215	TRUE	2.98E-09
Allergic asthma	TP73	cg20306863	rs7544357	A	G	0.155	0.026	0.288	2.75E-09	0.020	0.015	0.169	0.009	35.331	TRUE	1.01E-08
Allergic asthma	TP73	cg20768358	rs10909975	C	A	0.191	0.032	0.174	1.57E-09	0.021	0.019	0.270	0.010	36.421	TRUE	4.88E-09
Allergic asthma	TP73	cg20768358	rs10909987	G	C	-0.300	0.025	0.340	4.43E-34	0.037	0.015	0.012	0.038	148.057	TRUE	1.22E-31
Allergic asthma	TP73	cg20768358	rs10910001	C	T	-0.449	0.058	0.045	1.47E-14	-0.026	0.031	0.399	0.016	59.102	TRUE	5.79E-14
Allergic asthma	TP73	cg20768358	rs10910003	A	G	0.502	0.048	0.148	1.92E-25	0.034	0.017	0.045	0.029	108.610	TRUE	8.30E-24
Allergic asthma	TP73	cg20768358	rs12028205	T	G	-0.134	0.024	0.420	2.12E-08	-0.008	0.014	0.565	0.008	31.365	TRUE	4.15E-08
Allergic asthma	TP73	cg20768358	rs12408890	C	T	-0.572	0.024	0.340	5.32E-126	-0.003	0.014	0.851	0.133	569.801	TRUE	3.91E-118
Allergic asthma	TP73	cg20768358	rs1885868	C	T	-0.359	0.061	0.038	3.85E-09	0.067	0.029	0.020	0.009	34.678	TRUE	2.67E-08
Allergic asthma	TP73	cg21388339	rs12126706	T	C	-0.311	0.025	0.300	1.10E-34	0.037	0.015	0.016	0.039	150.830	TRUE	2.89E-32
Allergic asthma	TP73	cg21388339	rs144666894	A	T	-0.387	0.067	0.029	7.03E-09	0.033	0.041	0.414	0.009	33.508	TRUE	1.68E-08
Allergic asthma	TP73	cg21388339	rs2273953	A	G	0.251	0.043	0.208	6.38E-09	-0.014	0.018	0.436	0.009	33.698	TRUE	1.49E-08
Allergic asthma	TP73	cg21388339	rs3765698	C	T	0.262	0.044	0.072	2.10E-09	-0.052	0.028	0.068	0.010	35.855	TRUE	1.07E-08
Allergic asthma	TP73	cg21388339	rs3765732	G	A	1.116	0.043	0.161	2.84E-149	-0.042	0.021	0.048	0.155	676.742	TRUE	1.80E-136
Allergic asthma	TP73	cg21388339	rs3765758	G	A	0.152	0.024	0.440	1.41E-10	0.031	0.014	0.024	0.011	41.124	TRUE	1.14E-09
Allergic asthma	TP73	cg21388339	rs3765768	C	T	0.299	0.032	0.499	2.06E-20	0.004	0.014	0.781	0.023	85.687	TRUE	7.35E-20
Allergic asthma	TP73	cg21418707	rs3819959	C	T	-0.186	0.024	0.373	1.61E-14	-0.023	0.014	0.097	0.016	58.923	TRUE	1.31E-13

Allergic asthma	TP73	cg21827809	rs3765703	G	T	-0.227	0.024	0.426	1.97E-21	-0.008	0.014	0.565	0.024	90.323	TRUE	1.06E-20
Allergic asthma	TP73	cg21827809	rs4648530	G	A	-0.156	0.028	0.226	2.57E-08	0.000	0.020	0.996	0.008	30.988	TRUE	3.42E-08
Allergic asthma	TP73	cg21827809	rs60206806	C	T	-0.533	0.030	0.175	3.92E-69	0.003	0.021	0.903	0.077	308.669	TRUE	2.91E-66
Allergic asthma	TP73	cg22039909	rs2254530	C	A	0.157	0.026	0.258	3.28E-09	0.038	0.014	0.008	0.009	34.992	TRUE	2.88E-08
Allergic asthma	TP73	cg22039909	rs41301973	A	G	0.509	0.059	0.040	6.95E-18	0.068	0.029	0.017	0.020	74.189	TRUE	1.72E-16
Allergic asthma	TP73	cg22048228	rs3765703	G	T	0.179	0.024	0.426	6.11E-14	-0.008	0.014	0.565	0.015	56.305	TRUE	1.80E-13
Allergic asthma	TP73	cg22234529	rs12028205	T	G	-0.266	0.024	0.420	6.49E-29	-0.008	0.014	0.565	0.033	124.449	TRUE	6.91E-28
Allergic asthma	TP73	cg22234529	rs35837097	A	G	0.147	0.024	0.468	4.98E-10	0.014	0.014	0.310	0.010	38.664	TRUE	1.52E-09
Allergic asthma	TP73	cg22234529	rs3765754	C	T	0.204	0.024	0.339	1.40E-17	0.015	0.014	0.279	0.019	72.816	TRUE	9.08E-17
Allergic asthma	TP73	cg22383924	rs3765703	G	T	-0.131	0.024	0.426	4.32E-08	-0.008	0.014	0.565	0.008	29.983	TRUE	8.28E-08
Allergic asthma	TP73	cg23052055	rs1122723	G	A	-0.314	0.024	0.426	7.64E-40	-0.008	0.014	0.547	0.045	174.420	TRUE	2.68E-38
Allergic asthma	TP73	cg23052055	rs12046074	T	C	-0.377	0.061	0.037	8.05E-10	0.067	0.029	0.019	0.010	37.727	TRUE	6.23E-09
Allergic asthma	TP73	cg23052055	rs3765695	A	C	-0.177	0.032	0.149	4.21E-08	-0.017	0.018	0.358	0.008	30.033	TRUE	1.01E-07
Allergic asthma	TP73	cg23052055	rs55657548	T	C	0.516	0.030	0.178	1.96E-65	0.048	0.022	0.029	0.073	291.693	TRUE	4.83E-61
Allergic asthma	TP73	cg23052055	rs78340412	C	T	-0.327	0.047	0.158	4.38E-12	0.008	0.018	0.655	0.013	47.920	TRUE	1.01E-11
Allergic asthma	TP73	cg24356964	rs10752739	G	A	0.141	0.024	0.482	2.31E-09	0.003	0.014	0.839	0.010	35.670	TRUE	3.72E-09
Allergic asthma	TP73	cg24356964	rs3765770	A	G	-0.421	0.062	0.035	1.28E-11	0.032	0.041	0.427	0.012	45.822	TRUE	3.77E-11
Allergic asthma	TP73	cg25352980	rs3765770	A	G	0.586	0.062	0.035	2.66E-21	0.032	0.041	0.427	0.024	89.730	TRUE	1.81E-20
Allergic asthma	TP73	cg26034538	rs2096224	G	A	0.198	0.028	0.218	1.82E-12	0.024	0.015	0.117	0.013	49.647	TRUE	1.09E-11
Allergic asthma	TP73	cg26055950	rs12757620	G	T	0.233	0.024	0.434	1.16E-22	-0.012	0.014	0.401	0.025	95.935	TRUE	9.39E-22
Allergic asthma	TP73	cg26055950	rs3765695	A	C	-0.207	0.032	0.149	1.34E-10	-0.017	0.018	0.358	0.011	41.231	TRUE	3.99E-10
Allergic asthma	TP73	cg26055950	rs3765703	G	T	-0.391	0.024	0.426	1.50E-61	-0.008	0.014	0.565	0.069	273.879	TRUE	8.72E-59
Allergic asthma	TP73	cg26105278	rs2208992	C	T	-0.179	0.024	0.420	1.34E-13	-0.008	0.014	0.556	0.015	54.765	TRUE	3.88E-13
Allergic asthma	TP73	cg26105278	rs2244942	C	T	-0.158	0.026	0.282	1.23E-09	0.001	0.014	0.950	0.010	36.897	TRUE	1.82E-09
Allergic asthma	TP73	cg26105278	rs35837097	A	G	0.129	0.024	0.468	4.28E-08	0.014	0.014	0.310	0.008	30.001	TRUE	1.09E-07
Allergic asthma	TP73	cg26105278	rs3765703	G	T	-0.167	0.024	0.426	3.38E-12	-0.008	0.014	0.565	0.013	48.429	TRUE	8.73E-12
Allergic asthma	TP73	cg26105278	rs3765754	C	T	0.155	0.024	0.339	1.02E-10	0.015	0.014	0.279	0.011	41.768	TRUE	3.47E-10
Allergic asthma	TP73	cg26208930	rs879622	A	G	0.138	0.024	0.364	1.83E-08	-0.018	0.014	0.204	0.008	31.655	TRUE	5.71E-08
Allergic asthma	TP73	cg26810690	rs4610947	A	C	-0.187	0.024	0.373	1.02E-14	-0.020	0.014	0.133	0.016	59.821	TRUE	7.41E-14
Allergic asthma	TP73	cg27055894	rs3765703	G	T	-0.260	0.024	0.426	7.02E-28	-0.008	0.014	0.565	0.031	119.728	TRUE	6.77E-27
Allergic asthma	TP73	cg27564766	rs4648552	T	C	0.478	0.031	0.164	2.96E-53	0.011	0.018	0.528	0.060	235.850	TRUE	5.85E-51
Allergic asthma	TPD52L1	cg01198661	rs11154305	T	A	0.268	0.040	0.112	1.23E-11	-0.020	0.028	0.470	0.012	45.899	TRUE	3.43E-11
Allergic asthma	TPD52L1	cg01198661	rs1575361	G	A	-0.197	0.025	0.464	7.37E-15	0.028	0.014	0.043	0.016	60.464	TRUE	8.70E-14
Allergic asthma	TPD52L1	cg01198661	rs35646408	A	G	0.416	0.066	0.087	2.46E-10	0.021	0.021	0.317	0.011	40.043	TRUE	7.62E-10
Allergic asthma	TPD52L1	cg01198661	rs3799765	C	T	-0.256	0.043	0.091	2.42E-09	-0.017	0.023	0.471	0.010	35.583	TRUE	5.62E-09
Allergic asthma	TPD52L1	cg01198661	rs520966	C	A	0.648	0.026	0.311	8.51E-136	-0.014	0.016	0.357	0.143	614.811	TRUE	5.82E-126
Allergic asthma	TPD52L1	cg01198661	rs67513052	G	A	0.514	0.071	0.033	3.10E-13	-0.070	0.075	0.347	0.014	53.118	TRUE	1.18E-12
Allergic asthma	TPD52L1	cg01198661	rs78319953	C	T	0.583	0.075	0.028	5.17E-15	0.024	0.042	0.566	0.016	61.164	TRUE	1.65E-14
Allergic asthma	TPD52L1	cg01198661	rs867919	C	T	0.201	0.025	0.475	1.77E-15	-0.011	0.014	0.409	0.017	63.271	TRUE	7.42E-15
Allergic asthma	TPD52L1	cg01198661	rs9388404	T	C	-0.191	0.025	0.491	7.07E-14	0.035	0.014	0.011	0.015	56.019	TRUE	1.14E-12
Allergic asthma	TPD52L1	cg01198661	rs9491384	C	T	0.237	0.028	0.252	5.70E-17	0.000	0.016	0.997	0.019	70.039	TRUE	1.21E-16
Allergic asthma	TPD52L1	cg02801114	rs3799774	G	C	1.050	0.071	0.038	1.79E-49	0.037	0.033	0.263	0.056	218.526	TRUE	4.93E-47

Allergic asthma	TPD52L1	cg02801114	rs543283	G	A	0.459	0.025	0.426	1.43E-73	-0.015	0.014	0.275	0.082	329.023	TRUE	1.64E-69
Allergic asthma	TPD52L1	cg02801114	rs6908315	G	T	0.193	0.026	0.432	4.99E-14	-0.014	0.014	0.299	0.015	56.701	TRUE	2.23E-13
Allergic asthma	TPD52L1	cg02801114	rs9482605	A	G	-0.482	0.061	0.041	3.36E-15	0.018	0.037	0.630	0.016	62.012	TRUE	9.97E-15
Allergic asthma	TPD52L1	cg08192033	rs474451	A	G	-0.232	0.026	0.428	2.64E-19	-0.013	0.014	0.364	0.021	80.646	TRUE	1.69E-18
Allergic asthma	TPD52L1	cg11322464	rs557339	T	G	0.142	0.026	0.428	3.79E-08	-0.012	0.014	0.385	0.008	30.235	TRUE	8.85E-08
Allergic asthma	TPD52L1	cg13919358	rs142340851	A	G	-0.632	0.108	0.013	5.38E-09	-0.051	0.057	0.366	0.009	34.029	TRUE	1.38E-08
Allergic asthma	TPD52L1	cg13919358	rs2275623	G	A	-0.654	0.024	0.447	8.00E-160	0.005	0.014	0.712	0.164	725.234	TRUE	8.87E-148
Allergic asthma	TPD52L1	cg13919358	rs3778449	A	G	-0.757	0.049	0.067	5.16E-54	0.007	0.023	0.752	0.061	239.330	TRUE	6.41E-52
Allergic asthma	TPD52L1	cg13919358	rs4464822	A	G	-0.299	0.035	0.154	8.49E-18	-0.001	0.019	0.974	0.020	73.796	TRUE	1.95E-17
Allergic asthma	TPD52L1	cg13919358	rs56169342	T	G	-0.313	0.043	0.097	2.02E-13	-0.046	0.028	0.101	0.014	53.957	TRUE	1.43E-12
Allergic asthma	TPD52L1	cg15983584	rs509278	T	C	0.274	0.042	0.288	6.92E-11	-0.031	0.015	0.034	0.011	42.519	TRUE	5.30E-10
Allergic asthma	TPD52L1	cg20280727	rs113035145	T	C	0.519	0.071	0.032	2.13E-13	-0.070	0.075	0.347	0.014	53.849	TRUE	8.26E-13
Allergic asthma	TPD52L1	cg20280727	rs1260731	C	T	-0.480	0.059	0.112	2.35E-16	0.033	0.024	0.177	0.018	67.252	TRUE	1.75E-15
Allergic asthma	TPD52L1	cg20280727	rs1407046	A	G	0.473	0.072	0.030	5.89E-11	0.018	0.044	0.679	0.011	42.835	TRUE	1.22E-10
Allergic asthma	TPD52L1	cg20280727	rs35166398	A	T	0.390	0.032	0.191	1.91E-34	0.007	0.019	0.700	0.039	149.731	TRUE	2.70E-33
Allergic asthma	TPD52L1	cg20280727	rs3799774	G	C	0.444	0.072	0.038	6.81E-10	0.037	0.033	0.263	0.010	38.053	TRUE	2.21E-09
Allergic asthma	TPD52L1	cg20280727	rs4895707	G	A	0.271	0.025	0.456	7.35E-27	-0.013	0.014	0.328	0.030	115.073	TRUE	1.07E-25
Allergic asthma	TPD52L1	cg20280727	rs561117	A	G	0.780	0.024	0.441	7.42E-239	-0.013	0.014	0.338	0.227	1088.591	TRUE	5.94E-214
Allergic asthma	TPD52L1	cg20280727	rs76718053	A	G	0.352	0.041	0.098	6.23E-18	-0.005	0.028	0.861	0.020	74.405	TRUE	1.67E-17
Allergic asthma	TPD52L1	cg20280727	rs7761005	G	A	0.300	0.031	0.208	3.40E-22	0.008	0.019	0.660	0.025	93.804	TRUE	1.67E-21
Allergic asthma	TPD52L1	cg20280727	rs9388404	T	C	-0.146	0.026	0.491	1.12E-08	0.035	0.014	0.011	0.009	32.605	TRUE	8.30E-08
Allergic asthma	TPD52L1	cg26593474	rs1260731	C	T	-0.499	0.059	0.112	1.56E-17	0.033	0.024	0.177	0.019	72.597	TRUE	1.32E-16
Allergic asthma	TPD52L1	cg26593474	rs17052805	C	G	0.474	0.072	0.038	4.21E-11	0.037	0.033	0.261	0.012	43.490	TRUE	1.54E-10
Allergic asthma	TPD52L1	cg26593474	rs201528555	C	T	0.489	0.046	0.078	4.08E-26	-0.039	0.029	0.171	0.029	111.677	TRUE	8.87E-25
Allergic asthma	TPD52L1	cg26593474	rs2273562	G	A	0.258	0.033	0.184	2.87E-15	0.012	0.020	0.557	0.017	62.317	TRUE	9.47E-15
Allergic asthma	TPD52L1	cg26593474	rs35166398	A	T	0.401	0.032	0.191	2.36E-36	0.007	0.019	0.700	0.041	158.456	TRUE	4.07E-35
Allergic asthma	TPD52L1	cg26593474	rs4895707	G	A	0.264	0.025	0.456	1.12E-25	-0.013	0.014	0.328	0.029	109.678	TRUE	1.44E-24
Allergic asthma	TPD52L1	cg26593474	rs571665	G	T	0.801	0.024	0.439	1.01E-253	-0.016	0.014	0.255	0.238	1156.955	TRUE	7.19E-226
Allergic asthma	TPD52L1	cg26593474	rs62433883	A	G	0.162	0.025	0.489	2.35E-10	-0.032	0.014	0.022	0.011	40.130	TRUE	1.89E-09
Allergic asthma	TPD52L1	cg26593474	rs9491344	T	A	0.363	0.034	0.148	3.55E-26	-0.013	0.022	0.566	0.029	111.950	TRUE	2.91E-25
Allergic asthma	TPD52L1	cg27475365	rs192670457	A	C	0.273	0.035	0.140	6.48E-15	-0.012	0.022	0.578	0.016	60.717	TRUE	2.02E-14
Allergic asthma	TPD52L1	cg27475365	rs474451	A	G	0.662	0.024	0.428	3.48E-162	-0.013	0.014	0.364	0.166	736.088	TRUE	4.10E-149
Allergic asthma	TPD52L1	cg27475365	rs62431431	A	G	-0.393	0.060	0.041	5.29E-11	0.004	0.034	0.907	0.012	43.043	TRUE	8.74E-11
Allergic asthma	TPD52L1	cg27475365	rs6908315	G	T	0.169	0.026	0.432	3.70E-11	-0.014	0.014	0.299	0.012	43.744	TRUE	1.27E-10
Allergic asthma	TPD52L1	cg27475365	rs73771253	C	A	0.509	0.072	0.038	1.57E-12	0.037	0.033	0.262	0.013	49.934	TRUE	6.54E-12
Allergic asthma	TPD52L1	cg27475365	rs9491301	A	G	-0.277	0.041	0.108	1.35E-11	0.007	0.018	0.684	0.012	45.713	TRUE	2.91E-11
Allergic asthma	TRAF1	cg04517263	rs1837	A	G	0.148	0.027	0.262	4.07E-08	0.029	0.015	0.046	0.008	30.100	TRUE	1.96E-07
Allergic asthma	TRAF1	cg04517263	rs1930785	T	G	0.154	0.024	0.420	8.29E-11	0.034	0.014	0.013	0.011	42.165	TRUE	8.30E-10
Allergic asthma	TRAF1	cg14064762	rs10985023	G	C	0.172	0.027	0.256	1.75E-10	0.030	0.015	0.041	0.011	40.701	TRUE	1.20E-09
Allergic asthma	TRAF1	cg14064762	rs1930785	T	G	0.240	0.024	0.420	2.49E-24	0.034	0.014	0.013	0.027	103.532	TRUE	1.67E-22
Allergic asthma	TRAF1	cg14392772	rs10985070	C	A	-0.217	0.023	0.431	1.53E-20	0.036	0.013	0.008	0.023	86.271	TRUE	7.26E-19
Allergic asthma	TRAF1	cg14518276	rs10739575	G	A	0.179	0.032	0.167	2.12E-08	0.008	0.019	0.693	0.008	31.361	TRUE	3.68E-08

Allergic asthma	TRAF1	cg14518276	rs6478486	T	C	0.348	0.024	0.344	3.07E-46	0.038	0.014	0.005	0.052	203.705	TRUE	8.42E-43
Allergic asthma	TRAF1	cg14518276	rs74971050	T	C	-0.195	0.032	0.158	8.73E-10	-0.043	0.025	0.092	0.010	37.569	TRUE	4.21E-09
Allergic asthma	TRAF1	cg14518276	rs7872790	T	A	0.182	0.030	0.203	8.88E-10	0.021	0.018	0.238	0.010	37.537	TRUE	2.98E-09
Allergic asthma	TRAF1	cg15551881	rs2300930	A	C	0.331	0.041	0.096	1.17E-15	-0.004	0.032	0.899	0.017	64.093	TRUE	2.56E-15
Allergic asthma	TRAF1	cg15551881	rs2300936	G	A	0.247	0.043	0.089	8.23E-09	0.027	0.024	0.268	0.009	33.203	TRUE	2.39E-08
Allergic asthma	TRAF1	cg15551881	rs7021049	G	T	0.282	0.023	0.434	1.91E-33	0.037	0.013	0.006	0.038	145.151	TRUE	6.55E-31
Allergic asthma	TRAF1	cg15551881	rs914842	A	G	0.186	0.028	0.224	4.97E-11	0.036	0.015	0.016	0.012	43.164	TRUE	4.81E-10
Allergic asthma	TRAF1	cg21152671	rs1008381	T	C	0.494	0.024	0.341	4.77E-93	0.038	0.014	0.005	0.102	418.439	TRUE	1.17E-85
Allergic asthma	TRAF1	cg21152671	rs17220750	A	G	0.243	0.040	0.090	1.35E-09	0.014	0.024	0.568	0.010	36.724	TRUE	2.87E-09
Allergic asthma	TRAF1	cg21152671	rs1975468	C	A	0.189	0.032	0.165	1.83E-09	0.002	0.019	0.901	0.010	36.127	TRUE	2.80E-09
Allergic asthma	TRAF1	cg21152671	rs2109890	G	T	0.391	0.052	0.054	4.02E-14	-0.057	0.029	0.055	0.015	57.129	TRUE	3.94E-13
Allergic asthma	TRAF1	cg21152671	rs4837839	T	C	-0.177	0.023	0.456	3.56E-14	0.003	0.014	0.842	0.015	57.366	TRUE	7.62E-14
Allergic asthma	TRAF1	cg21152671	rs72760268	T	C	-0.589	0.086	0.017	9.01E-12	0.083	0.117	0.479	0.012	46.507	TRUE	2.51E-11
Allergic asthma	TRAF1	cg21152671	rs75780782	T	C	0.387	0.050	0.060	1.58E-14	0.036	0.028	0.190	0.016	58.964	TRUE	9.45E-14
Allergic asthma	TRAF1	cg21241889	rs10739575	G	A	0.219	0.032	0.167	7.73E-12	0.008	0.019	0.693	0.012	46.808	TRUE	1.68E-11
Allergic asthma	TRAF1	cg21241889	rs1407908	A	T	0.176	0.024	0.387	2.42E-13	-0.014	0.014	0.329	0.014	53.601	TRUE	9.62E-13
Allergic asthma	TRAF1	cg21241889	rs2109890	G	T	0.315	0.052	0.054	1.13E-09	-0.057	0.029	0.055	0.010	37.066	TRUE	6.35E-09
Allergic asthma	TRAF1	cg21241889	rs3747846	G	A	-0.273	0.045	0.078	1.02E-09	-0.024	0.026	0.357	0.010	37.274	TRUE	2.81E-09
Allergic asthma	TRAF1	cg21241889	rs446038	A	G	0.175	0.030	0.172	6.37E-09	0.013	0.021	0.553	0.009	33.701	TRUE	1.31E-08
Allergic asthma	TRAF1	cg21241889	rs62578405	T	C	-0.711	0.046	0.076	5.60E-54	0.045	0.051	0.382	0.061	239.166	TRUE	1.89E-51
Allergic asthma	TRAF1	cg21241889	rs6478484	T	C	0.477	0.024	0.345	4.33E-87	0.038	0.014	0.005	0.096	391.083	TRUE	3.13E-80
Allergic asthma	TRAF5	cg09061993	rs144826755	G	A	0.256	0.042	0.080	6.97E-10	-0.005	0.025	0.853	0.010	38.008	TRUE	1.14E-09
Allergic asthma	TRAF5	cg09825327	rs2920907	G	C	-0.516	0.062	0.034	5.66E-17	-0.102	0.030	6.51E-04	0.019	70.055	TRUE	3.27E-15
Allergic asthma	TRAF5	cg09825327	rs7550702	T	C	-0.135	0.024	0.398	1.48E-08	-0.028	0.014	0.048	0.009	32.065	TRUE	7.46E-08
Allergic asthma	TRAF5	cg10177528	rs12080561	G	A	0.980	0.091	0.015	3.21E-27	-0.034	0.053	0.521	0.031	116.714	TRUE	3.17E-26
Allergic asthma	TRAF5	cg11415739	rs147687029	C	G	0.637	0.102	0.014	3.93E-10	-0.015	0.062	0.814	0.010	39.125	TRUE	6.77E-10
Allergic asthma	TRAF5	cg11415739	rs7523875	T	A	0.237	0.034	0.131	3.43E-12	-0.008	0.023	0.724	0.013	48.401	TRUE	7.36E-12
Allergic asthma	TRAF5	cg21158528	rs113400840	T	C	0.423	0.071	0.023	2.97E-09	-0.077	0.066	0.247	0.009	35.186	TRUE	9.30E-09
Allergic asthma	TRAF5	cg21158528	rs139634411	A	G	-0.673	0.104	0.013	7.99E-11	-0.015	0.062	0.814	0.011	42.237	TRUE	1.43E-10
Allergic asthma	TRAF5	cg21158528	rs6656860	G	A	-0.160	0.024	0.377	4.09E-11	-0.008	0.015	0.575	0.012	43.545	TRUE	9.65E-11
Allergic asthma	TRIM27	cg00259404	rs11752815	G	A	-0.250	0.043	0.080	4.96E-09	0.097	0.033	0.003	0.009	34.188	TRUE	5.15E-08
Allergic asthma	TRIM27	cg00259404	rs209140	A	G	-0.277	0.026	0.247	8.39E-26	0.016	0.016	0.293	0.029	110.249	TRUE	1.20E-24
Allergic asthma	TRIM27	cg01928896	rs3135321	G	A	0.162	0.023	0.491	3.99E-12	0.050	0.014	2.54E-04	0.013	48.102	TRUE	1.21E-10
Allergic asthma	TRIM27	cg02465979	rs116042790	T	C	-1.572	0.112	0.011	6.22E-45	-0.019	0.056	0.734	0.051	197.721	TRUE	2.59E-43
Allergic asthma	TRIM27	cg02465979	rs140396177	G	A	-0.805	0.090	0.014	4.86E-19	-0.039	0.054	0.471	0.021	79.443	TRUE	2.49E-18
Allergic asthma	TRIM27	cg02639080	rs113000237	A	G	-0.553	0.041	0.083	2.25E-41	0.096	0.032	0.003	0.047	181.428	TRUE	3.60E-38
Allergic asthma	TRIM27	cg02639080	rs114357009	A	G	-0.556	0.052	0.048	6.73E-27	0.074	0.038	0.049	0.030	115.247	TRUE	3.38E-25
Allergic asthma	TRIM27	cg02639080	rs115318295	A	T	-0.686	0.025	0.254	2.53E-164	0.016	0.016	0.317	0.168	745.915	TRUE	7.60E-151
Allergic asthma	TRIM27	cg02639080	rs1233387	T	C	-0.225	0.027	0.230	3.06E-16	-0.002	0.017	0.914	0.018	66.729	TRUE	6.84E-16
Allergic asthma	TRIM27	cg02639080	rs16894128	G	A	0.223	0.035	0.131	1.78E-10	-0.021	0.020	0.305	0.011	40.673	TRUE	5.69E-10
Allergic asthma	TRIM27	cg02639080	rs2859379	T	C	-0.444	0.068	0.027	6.26E-11	-0.153	0.059	0.010	0.011	42.715	TRUE	6.73E-10
Allergic asthma	TRIM27	cg02639080	rs3129791	A	G	0.401	0.037	0.115	9.13E-28	0.094	0.030	0.002	0.031	119.208	TRUE	2.03E-25

Allergic asthma	TRIM27	cg02639080	rs35604709	A	G	-0.528	0.048	0.062	1.22E-28	0.065	0.025	0.010	0.032	123.205	TRUE	1.64E-26
Allergic asthma	TRIM27	cg02639080	rs4084097	C	T	-0.261	0.046	0.068	1.98E-08	0.029	0.034	0.397	0.008	31.493	TRUE	4.67E-08
Allergic asthma	TRIM27	cg02639080	rs41316606	T	A	-0.450	0.070	0.031	1.45E-10	0.045	0.034	0.183	0.011	41.078	TRUE	5.87E-10
Allergic asthma	TRIM27	cg02639080	rs7750106	A	C	-0.362	0.055	0.046	6.99E-11	0.062	0.033	0.060	0.011	42.498	TRUE	4.45E-10
Allergic asthma	TRIM27	cg03246690	rs115493717	A	G	-0.535	0.096	0.016	2.30E-08	0.014	0.043	0.743	0.008	31.205	TRUE	3.81E-08
Allergic asthma	TRIM27	cg03270340	rs1233387	T	C	0.152	0.028	0.230	3.28E-08	-0.002	0.017	0.914	0.008	30.519	TRUE	4.64E-08
Allergic asthma	TRIM27	cg03270340	rs2531805	C	T	0.228	0.023	0.486	1.78E-22	0.012	0.014	0.376	0.025	95.085	TRUE	1.49E-21
Allergic asthma	TRIM27	cg03270340	rs3094574	A	G	0.193	0.024	0.437	4.42E-16	0.013	0.014	0.336	0.018	66.003	TRUE	2.22E-15
Allergic asthma	TRIM27	cg03270340	rs3128871	C	T	0.181	0.027	0.257	1.91E-11	0.038	0.305	0.901	0.012	45.033	TRUE	3.26E-11
Allergic asthma	TRIM27	cg03270340	rs3129791	A	G	-1.059	0.035	0.115	2.87E-204	0.094	0.030	0.002	0.201	929.556	TRUE	6.10E-182
Allergic asthma	TRIM27	cg03270340	rs9257572	T	G	-0.279	0.024	0.426	1.91E-32	0.035	0.014	0.013	0.037	140.579	TRUE	4.04E-30
Allergic asthma	TRIM27	cg04835383	rs115318295	A	T	-0.200	0.026	0.254	1.19E-14	0.016	0.016	0.317	0.016	59.519	TRUE	5.45E-14
Allergic asthma	TRIM27	cg05216056	rs115451991	A	C	-0.829	0.110	0.013	4.66E-14	0.223	0.363	0.539	0.015	56.838	TRUE	1.43E-13
Allergic asthma	TRIM27	cg05216056	rs115537782	A	G	-0.841	0.101	0.013	6.18E-17	-0.067	0.040	0.090	0.019	69.880	TRUE	6.85E-16
Allergic asthma	TRIM27	cg05216056	rs172164	G	A	-0.401	0.055	0.042	2.90E-13	0.032	0.029	0.267	0.014	53.244	TRUE	1.29E-12
Allergic asthma	TRIM27	cg05216056	rs202145819	G	A	-0.523	0.094	0.018	2.41E-08	0.000	0.080	0.995	0.008	31.115	TRUE	3.21E-08
Allergic asthma	TRIM27	cg05216056	rs209140	A	G	-0.927	0.023	0.247	<1E-200	0.016	0.016	0.293	0.310	1663.720	TRUE	<1E-200
Allergic asthma	TRIM27	cg05216056	rs213231	T	G	-0.530	0.052	0.051	5.96E-24	0.009	0.030	0.770	0.027	101.806	TRUE	2.86E-23
Allergic asthma	TRIM27	cg05216056	rs2253518	G	A	0.253	0.032	0.157	4.41E-15	-0.054	0.016	4.76E-04	0.016	61.476	TRUE	1.99E-13
Allergic asthma	TRIM27	cg05216056	rs2859379	T	C	-0.552	0.068	0.027	4.43E-16	-0.153	0.059	0.010	0.018	66.000	TRUE	1.01E-14
Allergic asthma	TRIM27	cg05216056	rs35604709	A	G	-0.588	0.047	0.062	3.17E-35	0.065	0.025	0.010	0.040	153.296	TRUE	1.11E-32
Allergic asthma	TRIM27	cg05216056	rs36050447	T	C	-0.615	0.076	0.025	8.66E-16	0.052	0.036	0.141	0.017	64.678	TRUE	6.85E-15
Allergic asthma	TRIM27	cg05216056	rs388017	T	C	0.375	0.063	0.035	2.52E-09	-0.071	0.018	1.15E-04	0.010	35.503	TRUE	5.04E-08
Allergic asthma	TRIM27	cg05216056	rs4947263	T	C	0.490	0.036	0.118	1.15E-41	0.093	0.030	0.002	0.047	182.771	TRUE	2.22E-38
Allergic asthma	TRIM27	cg05216056	rs55740552	G	T	-0.613	0.048	0.060	1.46E-37	0.073	0.036	0.045	0.042	163.981	TRUE	3.19E-35
Allergic asthma	TRIM27	cg05216056	rs6933976	A	G	-0.354	0.028	0.223	6.02E-37	0.031	0.015	0.034	0.042	161.169	TRUE	1.41E-34
Allergic asthma	TRIM27	cg05216056	rs73396583	C	T	-0.651	0.038	0.097	8.91E-67	0.082	0.030	0.007	0.075	297.856	TRUE	8.01E-62
Allergic asthma	TRIM27	cg05216056	rs75524239	C	T	-0.277	0.038	0.104	5.68E-13	0.021	0.029	0.473	0.014	51.926	TRUE	1.76E-12
Allergic asthma	TRIM27	cg05314350	rs115318295	A	T	-0.343	0.026	0.254	5.56E-40	0.016	0.016	0.317	0.045	175.052	TRUE	3.66E-38
Allergic asthma	TRIM27	cg05314350	rs1535039	C	T	0.212	0.036	0.118	5.32E-09	0.089	0.030	0.003	0.009	34.049	TRUE	5.45E-08
Allergic asthma	TRIM27	cg05314350	rs2859358	A	T	-0.230	0.032	0.163	3.49E-13	0.025	0.017	0.148	0.014	52.884	TRUE	2.04E-12
Allergic asthma	TRIM27	cg07162905	rs1029328	C	T	0.194	0.034	0.135	1.46E-08	-0.021	0.020	0.308	0.009	32.094	TRUE	3.89E-08
Allergic asthma	TRIM27	cg07162905	rs115318295	A	T	-0.624	0.025	0.254	4.10E-134	0.016	0.016	0.317	0.141	607.080	TRUE	2.25E-124
Allergic asthma	TRIM27	cg07162905	rs117929666	C	G	-0.465	0.080	0.022	6.19E-09	0.018	0.044	0.676	0.009	33.757	TRUE	1.13E-08
Allergic asthma	TRIM27	cg07162905	rs1233388	G	A	-0.209	0.030	0.183	1.85E-12	-0.004	0.018	0.805	0.013	49.613	TRUE	3.69E-12
Allergic asthma	TRIM27	cg07162905	rs209139	A	C	-0.490	0.049	0.057	6.37E-24	0.076	0.036	0.033	0.027	101.672	TRUE	2.65E-22
Allergic asthma	TRIM27	cg07162905	rs213232	G	A	-0.144	0.024	0.381	2.52E-09	0.036	0.014	0.014	0.010	35.503	TRUE	1.97E-08
Allergic asthma	TRIM27	cg07162905	rs2859379	T	C	-0.449	0.068	0.027	3.64E-11	-0.153	0.059	0.010	0.012	43.773	TRUE	4.06E-10
Allergic asthma	TRIM27	cg07162905	rs35604709	A	G	-0.357	0.048	0.062	6.76E-14	0.065	0.025	0.010	0.015	56.108	TRUE	1.13E-12
Allergic asthma	TRIM27	cg07162905	rs41316606	T	A	-0.589	0.070	0.031	3.43E-17	0.045	0.034	0.183	0.019	71.040	TRUE	2.75E-16
Allergic asthma	TRIM27	cg07162905	rs79130209	A	G	-0.471	0.066	0.030	1.16E-12	0.208	0.087	0.016	0.013	50.532	TRUE	1.41E-11
Allergic asthma	TRIM27	cg08125020	rs115318295	A	T	-0.518	0.026	0.254	2.03E-91	0.016	0.016	0.317	0.100	410.960	TRUE	5.42E-86

Allergic asthma	TRIM27	cg08125020	rs117929666	C	G	-0.572	0.080	0.022	6.33E-13	0.018	0.044	0.676	0.014	51.714	TRUE	1.51E-12
Allergic asthma	TRIM27	cg08125020	rs2859379	T	C	-0.371	0.068	0.027	3.94E-08	-0.153	0.059	0.010	0.008	30.163	TRUE	2.73E-07
Allergic asthma	TRIM27	cg08125020	rs35604709	A	G	-0.333	0.048	0.062	2.59E-12	0.065	0.025	0.010	0.013	48.947	TRUE	3.43E-11
Allergic asthma	TRIM27	cg08125020	rs388017	T	C	0.350	0.062	0.035	2.02E-08	-0.071	0.018	1.15E-04	0.008	31.455	TRUE	3.33E-07
Allergic asthma	TRIM27	cg08125020	rs55740552	G	T	-0.289	0.048	0.060	1.80E-09	0.073	0.036	0.045	0.010	36.161	TRUE	1.05E-08
Allergic asthma	TRIM27	cg08125020	rs67998226	C	T	0.243	0.037	0.113	3.03E-11	0.092	0.031	0.003	0.012	44.133	TRUE	4.62E-10
Allergic asthma	TRIM27	cg08125020	rs6933976	A	G	-0.197	0.028	0.223	1.73E-12	0.031	0.015	0.034	0.013	49.746	TRUE	1.62E-11
Allergic asthma	TRIM27	cg08125020	rs7742858	T	C	-0.375	0.041	0.083	1.06E-19	0.097	0.032	0.003	0.022	82.449	TRUE	6.24E-18
Allergic asthma	TRIM27	cg09292581	rs3129793	A	G	-0.127	0.023	0.490	3.68E-08	0.044	0.014	0.001	0.008	30.297	TRUE	3.92E-07
Allergic asthma	TRIM27	cg09409585	rs113000237	A	G	-0.365	0.041	0.083	9.36E-19	0.096	0.032	0.003	0.021	78.147	TRUE	4.57E-17
Allergic asthma	TRIM27	cg09409585	rs114357009	A	G	-0.328	0.052	0.048	3.02E-10	0.074	0.038	0.049	0.011	39.640	TRUE	1.90E-09
Allergic asthma	TRIM27	cg09409585	rs35403242	A	G	-0.348	0.048	0.063	2.57E-13	0.065	0.025	0.010	0.014	53.482	TRUE	4.02E-12
Allergic asthma	TRIM27	cg09409585	rs41316606	T	A	-0.383	0.070	0.031	4.67E-08	0.045	0.034	0.183	0.008	29.832	TRUE	1.46E-07
Allergic asthma	TRIM27	cg09409585	rs6904975	A	G	-0.421	0.024	0.364	4.81E-71	0.027	0.014	0.056	0.079	317.434	TRUE	1.93E-66
Allergic asthma	TRIM27	cg09444060	rs115318295	A	T	-0.275	0.026	0.254	8.89E-27	0.016	0.016	0.317	0.030	114.696	TRUE	1.31E-25
Allergic asthma	TRIM27	cg09855662	rs13437444	T	C	-0.199	0.029	0.213	7.23E-12	0.028	0.019	0.140	0.013	46.939	TRUE	3.76E-11
Allergic asthma	TRIM27	cg09855662	rs35560946	T	C	-0.306	0.025	0.303	1.64E-33	0.048	0.016	0.002	0.038	145.460	TRUE	8.52E-31
Allergic asthma	TRIM27	cg09855662	rs6904975	A	G	-0.163	0.024	0.364	1.42E-11	0.027	0.014	0.056	0.012	45.620	TRUE	1.01E-10
Allergic asthma	TRIM27	cg10401017	rs1029328	C	T	0.262	0.034	0.135	2.01E-14	-0.021	0.020	0.308	0.016	58.494	TRUE	9.14E-14
Allergic asthma	TRIM27	cg10401017	rs115451991	A	C	-0.928	0.110	0.013	2.84E-17	0.223	0.363	0.539	0.019	71.411	TRUE	1.13E-16
Allergic asthma	TRIM27	cg10401017	rs115537782	A	G	-0.876	0.101	0.013	3.03E-18	-0.067	0.040	0.090	0.020	75.827	TRUE	3.90E-17
Allergic asthma	TRIM27	cg10401017	rs202145819	G	A	-0.555	0.094	0.018	3.11E-09	0.000	0.080	0.995	0.009	35.093	TRUE	4.32E-09
Allergic asthma	TRIM27	cg10401017	rs209140	A	G	-1.063	0.020	0.247	<1E-200	0.016	0.016	0.293	0.434	2835.038	TRUE	<1E-200
Allergic asthma	TRIM27	cg10401017	rs213231	T	G	-0.656	0.052	0.051	4.91E-36	0.009	0.030	0.770	0.041	156.997	TRUE	7.15E-35
Allergic asthma	TRIM27	cg10401017	rs2253518	G	A	0.291	0.032	0.157	1.46E-19	-0.054	0.016	4.76E-04	0.022	81.813	TRUE	1.42E-17
Allergic asthma	TRIM27	cg10401017	rs2859379	T	C	-0.658	0.068	0.027	2.63E-22	-0.153	0.059	0.010	0.025	94.307	TRUE	1.45E-20
Allergic asthma	TRIM27	cg10401017	rs3135316	G	A	0.493	0.037	0.116	1.97E-41	0.096	0.030	0.002	0.047	181.696	TRUE	4.39E-38
Allergic asthma	TRIM27	cg10401017	rs35604709	A	G	-0.721	0.047	0.062	1.07E-52	0.065	0.025	0.010	0.059	233.297	TRUE	5.95E-49
Allergic asthma	TRIM27	cg10401017	rs36050447	T	C	-0.669	0.076	0.025	1.79E-18	0.052	0.036	0.141	0.020	76.863	TRUE	1.89E-17
Allergic asthma	TRIM27	cg10401017	rs388017	T	C	0.424	0.063	0.035	1.48E-11	-0.071	0.018	1.15E-04	0.012	45.530	TRUE	4.69E-10
Allergic asthma	TRIM27	cg10401017	rs55740552	G	T	-0.663	0.048	0.060	8.20E-44	0.073	0.036	0.045	0.049	192.593	TRUE	4.39E-41
Allergic asthma	TRIM27	cg10401017	rs62401446	A	G	-0.581	0.092	0.019	3.13E-10	0.032	0.032	0.313	0.011	39.573	TRUE	9.65E-10
Allergic asthma	TRIM27	cg10401017	rs6933976	A	G	-0.397	0.028	0.223	2.78E-46	0.031	0.015	0.034	0.052	203.906	TRUE	2.56E-43
Allergic asthma	TRIM27	cg10401017	rs72846802	G	A	0.306	0.053	0.058	9.83E-09	-0.027	0.028	0.326	0.009	32.858	TRUE	2.60E-08
Allergic asthma	TRIM27	cg10401017	rs73396583	C	T	-0.759	0.037	0.097	2.73E-91	0.082	0.030	0.007	0.100	410.368	TRUE	3.77E-84
Allergic asthma	TRIM27	cg10401017	rs75524239	C	T	-0.320	0.038	0.104	7.96E-17	0.021	0.029	0.473	0.018	69.382	TRUE	3.37E-16
Allergic asthma	TRIM27	cg10401017	rs77074408	A	T	0.616	0.112	0.011	3.75E-08	0.031	0.048	0.522	0.008	30.256	TRUE	7.54E-08
Allergic asthma	TRIM27	cg10401017	rs9348782	A	G	-0.438	0.051	0.050	1.54E-17	0.041	0.023	0.079	0.019	72.622	TRUE	1.95E-16
Allergic asthma	TRIM27	cg10718056	rs115318295	A	T	-0.279	0.026	0.254	2.50E-27	0.016	0.016	0.317	0.031	117.209	TRUE	3.92E-26
Allergic asthma	TRIM27	cg10718056	rs16893552	A	G	-0.256	0.042	0.079	1.41E-09	0.097	0.033	0.003	0.010	36.638	TRUE	1.61E-08
Allergic asthma	TRIM27	cg10718056	rs35604709	A	G	-0.293	0.047	0.062	5.09E-10	0.065	0.025	0.010	0.010	38.623	TRUE	4.76E-09
Allergic asthma	TRIM27	cg10718056	rs6933976	A	G	-0.172	0.028	0.223	5.45E-10	0.031	0.015	0.034	0.010	38.489	TRUE	3.67E-09

Allergic asthma	TRIM27	cg11073024	rs1029328	C	T	-0.297	0.034	0.135	3.36E-18	-0.021	0.020	0.308	0.020	75.627	TRUE	2.17E-17
Allergic asthma	TRIM27	cg11073024	rs115486666	A	C	-0.516	0.076	0.027	1.06E-11	0.001	0.039	0.976	0.012	46.188	TRUE	1.70E-11
Allergic asthma	TRIM27	cg11073024	rs115651187	G	C	-0.392	0.044	0.085	4.03E-19	-0.021	0.028	0.457	0.021	79.809	TRUE	2.14E-18
Allergic asthma	TRIM27	cg11073024	rs117929666	C	G	0.461	0.080	0.022	8.55E-09	0.018	0.044	0.676	0.009	33.129	TRUE	1.54E-08
Allergic asthma	TRIM27	cg11073024	rs149952	T	C	0.331	0.051	0.047	1.27E-10	0.029	0.023	0.220	0.011	41.325	TRUE	4.80E-10
Allergic asthma	TRIM27	cg11073024	rs1794587	C	A	0.730	0.022	0.491	4.15E-246	0.047	0.014	5.50E-04	0.233	1121.943	TRUE	7.07E-216
Allergic asthma	TRIM27	cg11073024	rs2071966	G	T	0.363	0.041	0.086	8.98E-19	0.055	0.021	0.010	0.021	78.229	TRUE	3.04E-17
Allergic asthma	TRIM27	cg11073024	rs2074466	A	C	0.273	0.033	0.147	1.01E-16	0.000	0.020	0.991	0.018	68.918	TRUE	2.11E-16
Allergic asthma	TRIM27	cg11073024	rs2232428	T	C	0.464	0.036	0.105	5.19E-37	0.055	0.030	0.071	0.042	161.464	TRUE	7.82E-35
Allergic asthma	TRIM27	cg11073024	rs2523422	A	G	-0.254	0.027	0.252	9.96E-21	-0.026	0.014	0.062	0.023	87.123	TRUE	2.06E-19
Allergic asthma	TRIM27	cg11073024	rs66487884	G	C	0.264	0.040	0.101	4.89E-11	-0.020	0.023	0.379	0.012	43.197	TRUE	1.47E-10
Allergic asthma	TRIM27	cg11073024	rs6920512	G	A	-0.286	0.045	0.070	1.41E-10	-0.054	0.017	0.001	0.011	41.128	TRUE	2.26E-09
Allergic asthma	TRIM27	cg11073024	rs72831442	G	A	0.259	0.044	0.072	5.31E-09	0.029	0.034	0.399	0.009	34.053	TRUE	1.31E-08
Allergic asthma	TRIM27	cg11073024	rs9257331	A	G	0.399	0.037	0.114	2.57E-27	0.095	0.030	0.002	0.031	117.154	TRUE	5.55E-25
Allergic asthma	TRIM27	cg11073024	rs9257448	G	A	0.381	0.047	0.068	5.19E-16	0.000	0.020	0.994	0.017	65.689	TRUE	1.04E-15
Allergic asthma	TRIM27	cg11886965	rs1029328	C	T	0.193	0.034	0.135	1.76E-08	-0.021	0.020	0.308	0.009	31.729	TRUE	4.66E-08
Allergic asthma	TRIM27	cg11886965	rs114289137	A	C	-0.432	0.066	0.030	6.73E-11	0.209	0.087	0.016	0.011	42.573	TRUE	6.37E-10
Allergic asthma	TRIM27	cg11886965	rs115318295	A	T	-0.651	0.025	0.254	1.67E-146	0.016	0.016	0.317	0.152	664.019	TRUE	2.67E-135
Allergic asthma	TRIM27	cg11886965	rs116042790	T	C	0.851	0.113	0.011	5.86E-14	-0.019	0.056	0.734	0.015	56.386	TRUE	1.40E-13
Allergic asthma	TRIM27	cg11886965	rs117929666	C	G	-0.511	0.080	0.022	1.75E-10	0.018	0.044	0.676	0.011	40.704	TRUE	3.54E-10
Allergic asthma	TRIM27	cg11886965	rs209139	A	C	-0.506	0.049	0.057	2.57E-25	0.076	0.036	0.033	0.028	108.030	TRUE	1.28E-23
Allergic asthma	TRIM27	cg11886965	rs2859379	T	C	-0.388	0.068	0.027	1.17E-08	-0.153	0.059	0.010	0.009	32.523	TRUE	8.82E-08
Allergic asthma	TRIM27	cg11886965	rs56299902	G	A	-0.551	0.061	0.035	2.96E-19	-0.007	0.049	0.885	0.021	80.420	TRUE	8.41E-19
Allergic asthma	TRIM27	cg11886965	rs731132	G	T	0.156	0.025	0.392	1.85E-10	0.003	0.014	0.848	0.011	40.594	TRUE	3.14E-10
Allergic asthma	TRIM27	cg11886965	rs9283885	A	G	-0.210	0.028	0.213	1.38E-13	0.030	0.015	0.048	0.015	54.709	TRUE	1.32E-12
Allergic asthma	TRIM27	cg12896170	rs1029328	C	T	0.215	0.034	0.135	3.67E-10	-0.021	0.020	0.308	0.011	39.259	TRUE	1.14E-09
Allergic asthma	TRIM27	cg12896170	rs114124258	T	C	-0.511	0.065	0.031	2.97E-15	0.206	0.087	0.018	0.017	62.250	TRUE	5.06E-14
Allergic asthma	TRIM27	cg12896170	rs115318295	A	T	-0.670	0.025	0.254	1.59E-156	0.016	0.016	0.317	0.161	710.076	TRUE	4.58E-144
Allergic asthma	TRIM27	cg12896170	rs1233387	T	C	-0.230	0.027	0.230	6.62E-17	-0.002	0.017	0.914	0.019	69.747	TRUE	1.55E-16
Allergic asthma	TRIM27	cg12896170	rs209139	A	C	-0.509	0.049	0.057	1.46E-25	0.076	0.036	0.033	0.029	109.145	TRUE	7.54E-24
Allergic asthma	TRIM27	cg12896170	rs3135316	G	A	0.261	0.037	0.116	1.63E-12	0.096	0.030	0.002	0.013	49.858	TRUE	3.57E-11
Allergic asthma	TRIM27	cg12896170	rs35604709	A	G	-0.488	0.048	0.062	1.14E-24	0.065	0.025	0.010	0.028	105.077	TRUE	8.74E-23
Allergic asthma	TRIM27	cg12896170	rs41316606	T	A	-0.486	0.070	0.031	4.02E-12	0.045	0.034	0.183	0.013	48.091	TRUE	1.91E-11
Allergic asthma	TRIM27	cg12896170	rs76683848	C	G	0.612	0.109	0.011	1.94E-08	0.030	0.048	0.536	0.008	31.539	TRUE	3.92E-08
Allergic asthma	TRIM27	cg12896170	rs77983937	G	A	-0.473	0.066	0.031	1.13E-12	0.013	0.040	0.747	0.013	50.571	TRUE	2.45E-12
Allergic asthma	TRIM27	cg13060704	rs6904975	A	G	-0.221	0.024	0.364	4.72E-20	0.027	0.014	0.056	0.022	84.046	TRUE	9.48E-19
Allergic asthma	TRIM27	cg14059339	rs55740552	G	T	-0.282	0.048	0.060	3.30E-09	0.073	0.036	0.045	0.009	34.977	TRUE	1.86E-08
Allergic asthma	TRIM27	cg15613012	rs113000237	A	G	-0.257	0.041	0.083	5.49E-10	0.096	0.032	0.003	0.010	38.475	TRUE	6.67E-09
Allergic asthma	TRIM27	cg15613012	rs114357009	A	G	-0.288	0.052	0.048	3.13E-08	0.074	0.038	0.049	0.008	30.608	TRUE	1.50E-07
Allergic asthma	TRIM27	cg15613012	rs115318295	A	T	-0.399	0.026	0.254	1.83E-53	0.016	0.016	0.317	0.060	236.811	TRUE	7.18E-51
Allergic asthma	TRIM27	cg15613012	rs35604709	A	G	-0.384	0.048	0.062	6.46E-16	0.065	0.025	0.010	0.017	65.257	TRUE	1.44E-14
Allergic asthma	TRIM27	cg16061301	rs113000237	A	G	-0.367	0.041	0.083	6.40E-19	0.096	0.032	0.003	0.021	78.898	TRUE	3.20E-17

Allergic asthma	TRIM27	cg16061301	rs114357009	A	G	-0.450	0.052	0.048	4.43E-18	0.074	0.038	0.049	0.020	75.081	TRUE	7.38E-17
Allergic asthma	TRIM27	cg16061301	rs115318295	A	T	-0.736	0.023	0.254	5.57E-233	0.016	0.016	0.317	0.223	1061.573	TRUE	4.98E-209
Allergic asthma	TRIM27	cg16061301	rs117929666	C	G	-0.562	0.080	0.022	2.24E-12	0.018	0.044	0.676	0.013	49.239	TRUE	5.13E-12
Allergic asthma	TRIM27	cg16061301	rs1233387	T	C	-0.161	0.028	0.230	4.84E-09	-0.002	0.017	0.914	0.009	34.236	TRUE	7.14E-09
Allergic asthma	TRIM27	cg16061301	rs13437444	T	C	0.282	0.029	0.213	2.04E-22	0.028	0.019	0.140	0.025	94.815	TRUE	3.32E-21
Allergic asthma	TRIM27	cg16061301	rs35604709	A	G	-0.410	0.048	0.062	6.92E-18	0.065	0.025	0.010	0.020	74.200	TRUE	2.04E-16
Allergic asthma	TRIM27	cg16061301	rs41316606	T	A	-0.558	0.070	0.031	1.47E-15	0.045	0.034	0.183	0.017	63.640	TRUE	9.95E-15
Allergic asthma	TRIM27	cg16061301	rs6936343	T	C	0.243	0.042	0.092	5.29E-09	0.035	0.021	0.099	0.009	34.061	TRUE	2.27E-08
Allergic asthma	TRIM27	cg16754082	rs13437444	T	C	0.207	0.029	0.213	1.16E-12	0.028	0.019	0.140	0.013	50.523	TRUE	6.58E-12
Allergic asthma	TRIM27	cg16754082	rs209140	A	G	-0.505	0.026	0.247	3.04E-84	0.016	0.016	0.293	0.093	378.012	TRUE	2.25E-79
Allergic asthma	TRIM27	cg16754082	rs41316606	T	A	-0.476	0.070	0.031	1.03E-11	0.045	0.034	0.183	0.012	46.254	TRUE	4.69E-11
Allergic asthma	TRIM27	cg16754082	rs55740552	G	T	-0.263	0.048	0.060	4.96E-08	0.073	0.036	0.045	0.008	29.715	TRUE	2.38E-07
Allergic asthma	TRIM27	cg16754082	rs56299902	G	A	-0.481	0.061	0.035	5.54E-15	-0.007	0.049	0.885	0.016	61.027	TRUE	1.18E-14
Allergic asthma	TRIM27	cg16754082	rs73396583	C	T	-0.253	0.038	0.097	4.39E-11	0.082	0.030	0.007	0.012	43.409	TRUE	5.38E-10
Allergic asthma	TRIM27	cg17666981	rs115196926	T	C	0.485	0.043	0.082	6.79E-29	0.036	0.021	0.089	0.033	124.362	TRUE	3.12E-27
Allergic asthma	TRIM27	cg17666981	rs115486666	A	C	0.494	0.076	0.027	8.24E-11	0.001	0.039	0.976	0.011	42.178	TRUE	1.26E-10
Allergic asthma	TRIM27	cg17666981	rs115651187	G	C	0.433	0.044	0.085	6.50E-23	-0.021	0.028	0.457	0.026	97.074	TRUE	4.84E-22
Allergic asthma	TRIM27	cg17666981	rs117929666	C	G	-0.995	0.080	0.022	6.86E-36	0.018	0.044	0.676	0.041	156.334	TRUE	1.18E-34
Allergic asthma	TRIM27	cg17666981	rs12199114	C	G	0.472	0.060	0.037	4.80E-15	-0.062	0.018	6.09E-04	0.016	61.307	TRUE	2.03E-13
Allergic asthma	TRIM27	cg17666981	rs149957	T	G	-0.579	0.045	0.062	7.28E-38	-0.009	0.023	0.702	0.043	165.366	TRUE	1.47E-36
Allergic asthma	TRIM27	cg17666981	rs16894128	G	A	0.460	0.035	0.131	3.48E-40	-0.021	0.020	0.305	0.045	175.982	TRUE	2.45E-38
Allergic asthma	TRIM27	cg17666981	rs184654684	G	A	0.432	0.079	0.025	4.06E-08	-0.036	0.055	0.513	0.008	30.105	TRUE	8.20E-08
Allergic asthma	TRIM27	cg17666981	rs3117193	T	C	0.279	0.024	0.394	1.33E-30	0.003	0.014	0.836	0.034	132.167	TRUE	1.01E-29
Allergic asthma	TRIM27	cg17666981	rs3135316	G	A	-0.731	0.036	0.116	1.59E-91	0.096	0.030	0.002	0.100	411.449	TRUE	6.45E-84
Allergic asthma	TRIM27	cg17666981	rs362521	T	C	-0.436	0.047	0.063	8.56E-21	0.030	0.043	0.487	0.023	87.422	TRUE	4.98E-20
Allergic asthma	TRIM27	cg17666981	rs56295386	T	C	-0.615	0.036	0.105	5.76E-65	0.056	0.030	0.064	0.073	289.550	TRUE	6.89E-61
Allergic asthma	TRIM27	cg17666981	rs62402370	C	G	-0.629	0.041	0.086	1.82E-53	0.056	0.021	0.009	0.060	236.816	TRUE	1.25E-49
Allergic asthma	TRIM27	cg17666981	rs731132	G	T	0.242	0.024	0.392	4.62E-23	0.003	0.014	0.848	0.026	97.752	TRUE	1.83E-22
Allergic asthma	TRIM27	cg17666981	rs7765791	C	T	-0.514	0.080	0.022	1.32E-10	-0.008	0.049	0.879	0.011	41.254	TRUE	2.19E-10
Allergic asthma	TRIM27	cg17666981	rs9257460	A	G	-0.663	0.051	0.054	4.79E-38	-0.004	0.021	0.838	0.043	166.197	TRUE	7.52E-37
Allergic asthma	TRIM27	cg17666981	rs9348792	T	C	0.362	0.062	0.039	6.73E-09	0.020	0.038	0.597	0.009	33.594	TRUE	1.32E-08
Allergic asthma	TRIM27	cg18844029	rs114383434	C	T	-0.693	0.059	0.037	7.92E-32	0.160	0.089	0.072	0.036	137.761	TRUE	5.98E-30
Allergic asthma	TRIM27	cg18844029	rs114799031	T	A	-0.575	0.083	0.022	5.46E-12	-0.011	0.027	0.687	0.013	47.489	TRUE	1.21E-11
Allergic asthma	TRIM27	cg18844029	rs115537782	A	G	-0.959	0.100	0.013	1.38E-21	-0.067	0.040	0.090	0.024	91.027	TRUE	2.62E-20
Allergic asthma	TRIM27	cg18844029	rs115651187	G	C	0.320	0.044	0.085	3.38E-13	-0.021	0.028	0.457	0.014	52.948	TRUE	1.09E-12
Allergic asthma	TRIM27	cg18844029	rs117929666	C	G	-0.940	0.080	0.022	3.15E-32	0.018	0.044	0.676	0.036	139.590	TRUE	3.75E-31
Allergic asthma	TRIM27	cg18844029	rs13437444	T	C	0.364	0.029	0.213	3.26E-36	0.028	0.019	0.140	0.041	157.809	TRUE	2.73E-34
Allergic asthma	TRIM27	cg18844029	rs149356531	G	C	-0.361	0.058	0.045	5.21E-10	0.084	0.034	0.013	0.010	38.574	TRUE	4.56E-09
Allergic asthma	TRIM27	cg18844029	rs16894128	G	A	0.380	0.035	0.131	8.99E-28	-0.021	0.020	0.305	0.031	119.239	TRUE	1.53E-26
Allergic asthma	TRIM27	cg18844029	rs209139	A	C	-0.916	0.048	0.057	1.01E-81	0.076	0.036	0.033	0.090	366.441	TRUE	5.00E-76
Allergic asthma	TRIM27	cg18844029	rs209142	C	G	-0.812	0.021	0.388	<1E-200	0.037	0.015	0.012	0.295	1547.262	TRUE	7.86E-291
Allergic asthma	TRIM27	cg18844029	rs2523441	T	A	0.168	0.027	0.252	9.20E-10	-0.026	0.014	0.063	0.010	37.467	TRUE	5.02E-09

Allergic asthma	TRIM27	cg18844029	rs2859379	T	C	-0.739	0.068	0.027	9.22E-28	-0.153	0.059	0.010	0.031	119.189	TRUE	1.09E-25
Allergic asthma	TRIM27	cg18844029	rs36050447	T	C	-0.733	0.076	0.025	6.65E-22	0.052	0.036	0.141	0.024	92.475	TRUE	1.02E-20
Allergic asthma	TRIM27	cg18844029	rs388017	T	C	0.376	0.063	0.035	2.32E-09	-0.071	0.018	1.15E-04	0.010	35.667	TRUE	4.67E-08
Allergic asthma	TRIM27	cg18844029	rs62401446	A	G	-0.552	0.092	0.019	2.26E-09	0.032	0.032	0.313	0.010	35.713	TRUE	6.46E-09
Allergic asthma	TRIM27	cg18844029	rs62402370	C	G	-0.817	0.040	0.086	3.97E-91	0.056	0.021	0.009	0.100	409.621	TRUE	4.22E-84
Allergic asthma	TRIM27	cg18844029	rs6933825	G	A	-0.792	0.034	0.115	1.38E-117	0.068	0.020	8.03E-04	0.126	531.149	TRUE	5.61E-107
Allergic asthma	TRIM27	cg18844029	rs72831442	G	A	-0.644	0.044	0.072	5.57E-49	0.029	0.034	0.399	0.055	216.263	TRUE	8.97E-47
Allergic asthma	TRIM27	cg18844029	rs72849209	T	A	0.602	0.110	0.013	4.04E-08	0.023	0.084	0.783	0.008	30.114	TRUE	6.36E-08
Allergic asthma	TRIM27	cg18844029	rs9283885	A	G	-0.431	0.028	0.213	1.85E-53	0.030	0.015	0.048	0.060	236.791	TRUE	4.10E-50
Allergic asthma	TRIM27	cg18844029	rs9348782	A	G	-0.518	0.051	0.050	5.91E-24	0.041	0.023	0.079	0.027	101.820	TRUE	1.60E-22
Allergic asthma	TRIM27	cg18954047	rs115318295	A	T	-0.373	0.026	0.254	3.70E-48	0.016	0.016	0.317	0.054	212.496	TRUE	6.96E-46
Allergic asthma	TRIM27	cg18954047	rs62401458	A	G	-0.348	0.063	0.033	3.15E-08	0.074	0.043	0.083	0.008	30.599	TRUE	1.30E-07
Allergic asthma	TRIM27	cg18954047	rs79130209	A	G	-0.374	0.066	0.030	1.31E-08	0.208	0.087	0.016	0.009	32.306	TRUE	8.77E-08
Allergic asthma	TRIM27	cg18954047	rs79157584	A	G	-0.363	0.054	0.048	1.45E-11	0.021	0.030	0.485	0.012	45.570	TRUE	3.95E-11
Allergic asthma	TRIM27	cg19400926	rs115318295	A	T	-0.454	0.026	0.254	3.09E-69	0.016	0.016	0.317	0.077	309.138	TRUE	1.40E-65
Allergic asthma	TRIM27	cg19400926	rs1233387	T	C	-0.158	0.028	0.230	1.02E-08	-0.002	0.017	0.914	0.009	32.786	TRUE	1.48E-08
Allergic asthma	TRIM27	cg19400926	rs209139	A	C	-0.296	0.049	0.057	1.48E-09	0.076	0.036	0.033	0.010	36.543	TRUE	9.51E-09
Allergic asthma	TRIM27	cg19400926	rs2859356	T	C	-0.265	0.032	0.162	6.42E-17	0.024	0.017	0.166	0.019	69.806	TRUE	5.26E-16
Allergic asthma	TRIM27	cg19400926	rs3095275	A	G	0.174	0.029	0.206	2.52E-09	-0.028	0.019	0.134	0.010	35.501	TRUE	1.01E-08
Allergic asthma	TRIM27	cg19400926	rs41316606	T	A	-0.401	0.070	0.031	1.03E-08	0.045	0.034	0.183	0.009	32.772	TRUE	3.44E-08
Allergic asthma	TRIM27	cg20370991	rs115318295	A	T	-0.159	0.026	0.254	1.06E-09	0.016	0.016	0.317	0.010	37.194	TRUE	3.10E-09
Allergic asthma	TRIM27	cg20544852	rs115318295	A	T	-0.264	0.026	0.254	4.85E-24	0.016	0.016	0.317	0.027	102.211	TRUE	5.43E-23
Allergic asthma	TRIM27	cg21997109	rs115651187	G	C	-0.490	0.044	0.085	4.50E-29	-0.021	0.028	0.457	0.033	125.177	TRUE	6.06E-28
Allergic asthma	TRIM27	cg21997109	rs117929666	C	G	0.486	0.080	0.022	1.31E-09	0.018	0.044	0.676	0.010	36.785	TRUE	2.49E-09
Allergic asthma	TRIM27	cg21997109	rs1233388	G	A	0.238	0.030	0.183	1.21E-15	-0.004	0.018	0.805	0.017	64.018	TRUE	2.98E-15
Allergic asthma	TRIM27	cg21997109	rs143257546	G	C	-0.526	0.075	0.024	2.99E-12	-0.023	0.053	0.659	0.013	48.668	TRUE	6.94E-12
Allergic asthma	TRIM27	cg21997109	rs149952	T	C	0.456	0.051	0.047	6.93E-19	0.029	0.023	0.220	0.021	78.740	TRUE	5.93E-18
Allergic asthma	TRIM27	cg21997109	rs150790220	T	C	0.326	0.059	0.045	3.19E-08	0.084	0.034	0.012	0.008	30.574	TRUE	2.16E-07
Allergic asthma	TRIM27	cg21997109	rs16894128	G	A	-0.411	0.035	0.131	2.51E-32	-0.021	0.020	0.305	0.036	140.044	TRUE	6.99E-31
Allergic asthma	TRIM27	cg21997109	rs184654684	G	A	-0.495	0.079	0.025	3.02E-10	-0.036	0.055	0.513	0.011	39.638	TRUE	7.18E-10
Allergic asthma	TRIM27	cg21997109	rs2523422	A	G	-0.321	0.027	0.252	2.60E-32	-0.026	0.014	0.062	0.036	139.970	TRUE	2.29E-30
Allergic asthma	TRIM27	cg21997109	rs2531809	A	G	0.377	0.035	0.129	5.01E-27	-0.002	0.018	0.908	0.030	115.833	TRUE	2.49E-26
Allergic asthma	TRIM27	cg21997109	rs35403242	A	G	0.403	0.048	0.063	2.28E-17	0.065	0.025	0.010	0.019	71.850	TRUE	6.38E-16
Allergic asthma	TRIM27	cg21997109	rs56295386	T	C	0.479	0.036	0.105	1.92E-39	0.056	0.030	0.064	0.045	172.591	TRUE	4.32E-37
Allergic asthma	TRIM27	cg21997109	rs6907104	C	A	0.515	0.066	0.031	5.68E-15	0.000	0.046	0.996	0.016	60.975	TRUE	1.07E-14
Allergic asthma	TRIM27	cg21997109	rs6920512	G	A	-0.280	0.045	0.070	3.74E-10	-0.054	0.017	0.001	0.010	39.221	TRUE	5.58E-09
Allergic asthma	TRIM27	cg21997109	rs731132	G	T	-0.320	0.024	0.392	1.15E-39	0.003	0.014	0.848	0.045	173.606	TRUE	2.10E-38
Allergic asthma	TRIM27	cg21997109	rs7752448	G	A	0.546	0.034	0.125	7.12E-57	0.080	0.029	0.007	0.064	252.442	TRUE	1.05E-52
Allergic asthma	TRIM27	cg21997109	rs9257452	A	G	0.465	0.047	0.068	3.08E-23	0.000	0.020	0.982	0.026	98.554	TRUE	1.02E-22
Allergic asthma	TRIM27	cg22900372	rs115196926	T	C	-0.255	0.043	0.082	4.24E-09	0.036	0.021	0.089	0.009	34.494	TRUE	1.90E-08
Allergic asthma	TRIM27	cg22900372	rs115651187	G	C	0.278	0.044	0.085	2.25E-10	-0.021	0.028	0.457	0.011	40.216	TRUE	5.76E-10
Allergic asthma	TRIM27	cg22900372	rs12199114	C	G	0.331	0.060	0.037	3.43E-08	-0.062	0.018	6.09E-04	0.008	30.432	TRUE	4.11E-07

Allergic asthma	TRIM27	cg22900372	rs1233387	T	C	-0.173	0.027	0.230	2.44E-10	-0.002	0.017	0.914	0.011	40.060	TRUE	3.85E-10
Allergic asthma	TRIM27	cg22900372	rs16894139	C	T	-0.266	0.040	0.090	2.57E-11	0.056	0.021	0.008	0.012	44.453	TRUE	3.15E-10
Allergic asthma	TRIM27	cg22900372	rs3117193	T	C	0.203	0.024	0.394	5.08E-17	0.003	0.014	0.836	0.019	70.267	TRUE	1.32E-16
Allergic asthma	TRIM27	cg22900372	rs55740552	G	T	-0.273	0.048	0.060	1.32E-08	0.073	0.036	0.045	0.009	32.291	TRUE	6.81E-08
Allergic asthma	TRIM27	cg22900372	rs71559084	C	G	0.314	0.040	0.091	7.04E-15	-0.058	0.031	0.066	0.016	60.555	TRUE	7.02E-14
Allergic asthma	TRIM27	cg22900372	rs73396550	G	A	-0.368	0.038	0.096	3.57E-22	0.082	0.030	0.007	0.025	93.702	TRUE	2.25E-20
Allergic asthma	TRIM27	cg22900372	rs76683848	C	G	-1.044	0.107	0.011	2.70E-22	0.030	0.048	0.536	0.025	94.259	TRUE	1.64E-21
Allergic asthma	TRIM27	cg22900372	rs9380067	A	G	-0.231	0.028	0.246	7.37E-17	0.015	0.017	0.360	0.018	69.533	TRUE	3.80E-16
Allergic asthma	TRIM27	cg23756442	rs3135316	G	A	-0.470	0.037	0.116	9.93E-38	0.096	0.030	0.002	0.043	164.747	TRUE	1.21E-34
Allergic asthma	TRIM27	cg23756442	rs72851179	A	G	-0.325	0.057	0.049	1.38E-08	-0.028	0.029	0.337	0.009	32.204	TRUE	3.54E-08
Allergic asthma	TRIM27	cg23756442	rs9257572	T	G	-0.185	0.024	0.426	7.02E-15	0.035	0.014	0.013	0.016	60.560	TRUE	1.26E-13
Allergic asthma	TRIM27	cg24697433	rs114325231	T	G	-0.572	0.048	0.063	2.86E-33	0.034	0.034	0.311	0.038	144.355	TRUE	8.70E-32
Allergic asthma	TRIM27	cg24697433	rs12195700	C	T	0.328	0.060	0.038	4.60E-08	-0.062	0.018	6.10E-04	0.008	29.861	TRUE	5.38E-07
Allergic asthma	TRIM27	cg24697433	rs149356531	G	C	-0.466	0.058	0.045	8.21E-16	0.084	0.034	0.013	0.017	64.784	TRUE	1.65E-14
Allergic asthma	TRIM27	cg24697433	rs149952	T	C	-0.595	0.051	0.047	3.01E-31	0.029	0.023	0.220	0.035	135.112	TRUE	9.73E-30
Allergic asthma	TRIM27	cg24697433	rs1736922	T	C	0.237	0.027	0.271	9.17E-19	0.068	0.018	1.71E-04	0.021	78.187	TRUE	1.01E-16
Allergic asthma	TRIM27	cg24697433	rs209140	A	G	-1.035	0.020	0.247	<1E-200	0.016	0.016	0.293	0.411	2585.652	TRUE	<1E-200
Allergic asthma	TRIM27	cg24697433	rs34302671	G	A	0.298	0.038	0.108	1.98E-15	-0.028	0.021	0.195	0.017	63.048	TRUE	1.28E-14
Allergic asthma	TRIM27	cg24697433	rs35403242	A	G	-0.972	0.046	0.063	1.96E-97	0.065	0.025	0.010	0.106	438.578	TRUE	8.17E-90
Allergic asthma	TRIM27	cg24697433	rs41316606	T	A	-1.089	0.069	0.031	6.66E-56	0.045	0.034	0.183	0.063	247.989	TRUE	6.83E-53
Allergic asthma	TRIM27	cg24697433	rs62401446	A	G	-0.823	0.092	0.019	3.68E-19	0.032	0.032	0.313	0.021	79.989	TRUE	2.58E-18
Allergic asthma	TRIM27	cg24697433	rs73740605	C	T	-1.127	0.169	0.011	2.92E-11	-0.342	0.138	0.013	0.012	44.205	TRUE	3.07E-10
Allergic asthma	TRIM27	cg24697433	rs74561353	A	T	0.283	0.047	0.067	1.34E-09	-0.018	0.037	0.618	0.010	36.728	TRUE	2.71E-09
Allergic asthma	TRIM27	cg24697433	rs75446291	G	C	-1.067	0.172	0.012	5.89E-10	-0.091	0.086	0.287	0.010	38.338	TRUE	1.85E-09
Allergic asthma	TRIM27	cg24697433	rs77983937	G	A	-0.902	0.066	0.031	9.86E-43	0.013	0.040	0.747	0.048	187.646	TRUE	3.10E-41
Allergic asthma	TRIM27	cg24697433	rs78793798	G	A	-1.056	0.066	0.030	5.43E-58	0.240	0.083	0.004	0.065	257.567	TRUE	1.32E-53
Allergic asthma	TRIM27	cg24697433	rs9295793	A	C	0.282	0.032	0.156	2.77E-18	0.048	0.019	0.010	0.020	76.005	TRUE	8.65E-17
Allergic asthma	TRIM27	cg24697433	rs9461434	C	A	0.199	0.029	0.222	4.00E-12	0.028	0.019	0.146	0.013	48.099	TRUE	2.10E-11
Allergic asthma	TRIM27	cg25525825	rs114357009	A	G	-0.289	0.052	0.048	2.79E-08	0.074	0.038	0.049	0.008	30.832	TRUE	1.35E-07
Allergic asthma	TRIM27	cg25525825	rs209140	A	G	-0.308	0.026	0.247	1.53E-31	0.016	0.016	0.293	0.036	136.454	TRUE	4.05E-30
Allergic asthma	TRIM27	cg25525825	rs35604709	A	G	-0.292	0.048	0.062	8.84E-10	0.065	0.025	0.010	0.010	37.546	TRUE	7.96E-09
Allergic asthma	TRIM27	cg25701364	rs142863425	T	C	-0.235	0.042	0.080	2.78E-08	0.101	0.034	0.003	0.008	30.842	TRUE	2.59E-07
Allergic asthma	TRIM27	cg25701364	rs2023463	T	C	0.212	0.036	0.119	4.80E-09	0.083	0.030	0.006	0.009	34.251	TRUE	4.31E-08
Allergic asthma	TRIM27	cg25701364	rs209140	A	G	-0.245	0.026	0.247	1.25E-20	0.016	0.016	0.293	0.023	86.680	TRUE	1.05E-19
Allergic asthma	TRIM27	cg27120125	rs13200214	T	C	-0.228	0.037	0.110	5.52E-10	0.096	0.031	0.002	0.010	38.465	TRUE	7.39E-09
Allergic asthma	TRIM27	cg27120125	rs3129793	A	G	-0.130	0.023	0.490	2.00E-08	0.044	0.014	0.001	0.008	31.481	TRUE	2.24E-07
Allergic asthma	TRIM27	cg27257926	rs209142	C	G	-0.151	0.023	0.388	1.45E-10	0.037	0.015	0.012	0.011	41.079	TRUE	1.41E-09
Allergic asthma	TRIM27	cg27358207	rs75058702	T	G	0.279	0.049	0.065	1.06E-08	-0.027	0.026	0.303	0.009	32.708	TRUE	2.89E-08
Allergic asthma	TRIM27	cg27383651	rs209140	A	G	-0.209	0.026	0.247	1.39E-15	0.016	0.016	0.293	0.017	63.754	TRUE	7.24E-15
Allergic asthma	TRIM5	cg03698359	rs118189362	C	T	-0.451	0.067	0.029	1.92E-11	0.079	0.056	0.155	0.012	45.031	TRUE	9.13E-11
Allergic asthma	TRIM5	cg03698359	rs12271333	C	A	0.212	0.034	0.140	3.29E-10	-0.024	0.021	0.252	0.011	39.472	TRUE	1.12E-09
Allergic asthma	TRIM5	cg03698359	rs17304278	C	T	-0.199	0.029	0.210	4.31E-12	0.004	0.018	0.803	0.013	47.953	TRUE	8.44E-12

Allergic asthma	TRIM5	cg03698359	rs2291844	C	T	-0.203	0.032	0.442	2.53E-10	0.018	0.014	0.197	0.011	39.985	TRUE	9.71E-10
Allergic asthma	TRIM5	cg03698359	rs4992800	A	C	0.405	0.073	0.029	2.72E-08	-0.034	0.053	0.516	0.008	30.879	TRUE	5.56E-08
Allergic asthma	TRIM5	cg03698359	rs61756355	A	C	-0.411	0.071	0.027	5.33E-09	-0.007	0.023	0.757	0.009	34.045	TRUE	9.06E-09
Allergic asthma	TRIM5	cg03698359	rs72484712	T	G	-0.751	0.042	0.081	4.60E-72	0.045	0.021	0.034	0.080	322.110	TRUE	3.41E-67
Allergic asthma	TRIM5	cg03698359	rs756035	G	T	0.159	0.025	0.329	1.45E-10	0.013	0.014	0.352	0.011	41.069	TRUE	4.36E-10
Allergic asthma	TRIM5	cg03698359	rs7950912	C	T	0.273	0.038	0.391	1.28E-12	-0.011	0.014	0.448	0.013	50.325	TRUE	3.99E-12
Allergic asthma	TRIM5	cg24893035	rs12799329	G	A	0.148	0.023	0.440	1.79E-10	0.007	0.014	0.637	0.011	40.665	TRUE	3.76E-10
Allergic asthma	TRIM5	cg24893035	rs3740996	A	G	-0.270	0.034	0.129	2.91E-15	-0.023	0.021	0.267	0.017	62.293	TRUE	1.56E-14
Allergic asthma	TRIM5	cg24893035	rs4992800	A	C	0.558	0.072	0.029	1.16E-14	-0.034	0.053	0.516	0.016	59.576	TRUE	3.85E-14
Allergic asthma	TRIM8	cg06662132	rs7475335	A	C	-0.179	0.025	0.323	3.34E-13	-0.033	0.015	0.023	0.014	52.966	TRUE	3.95E-12
Allergic asthma	TRIM8	cg07119830	rs11191286	T	C	-0.306	0.028	0.234	8.60E-28	0.041	0.016	0.011	0.031	119.326	TRUE	1.00E-25
Allergic asthma	TRIM8	cg07119830	rs112991768	G	A	0.231	0.036	0.121	1.40E-10	0.010	0.024	0.664	0.011	41.142	TRUE	2.88E-10
Allergic asthma	TRIM8	cg07119830	rs113189494	G	C	0.423	0.048	0.063	9.10E-19	-0.041	0.028	0.143	0.021	78.204	TRUE	9.83E-18
Allergic asthma	TRIM8	cg07119830	rs117436403	T	C	-0.522	0.084	0.018	5.88E-10	-0.001	0.032	0.967	0.010	38.340	TRUE	8.67E-10
Allergic asthma	TRIM8	cg07119830	rs117639302	T	C	-1.131	0.117	0.010	5.77E-22	0.145	0.059	0.014	0.024	92.755	TRUE	2.64E-20
Allergic asthma	TRIM8	cg07119830	rs12765060	A	G	0.337	0.059	0.036	1.27E-08	-0.023	0.047	0.624	0.009	32.364	TRUE	2.38E-08
Allergic asthma	TRIM8	cg07119830	rs146213793	A	C	0.406	0.065	0.031	3.97E-10	-0.044	0.035	0.205	0.010	39.108	TRUE	1.47E-09
Allergic asthma	TRIM8	cg07119830	rs2002916	G	A	0.518	0.024	0.315	1.41E-99	-0.034	0.014	0.016	0.108	448.412	TRUE	6.09E-92
Allergic asthma	TRIM8	cg07119830	rs3218225	A	G	-0.748	0.097	0.014	1.42E-14	0.057	0.050	0.257	0.016	59.176	TRUE	7.26E-14
Allergic asthma	TRIM8	cg07119830	rs4146429	C	T	-1.271	0.040	0.081	1.68E-223	0.101	0.025	5.27E-05	0.216	1017.988	TRUE	1.93E-196
Allergic asthma	TRIM8	cg07119830	rs45516493	A	G	-0.227	0.034	0.134	4.78E-11	0.027	0.018	0.140	0.012	43.242	TRUE	2.27E-10
Allergic asthma	TRIM8	cg07119830	rs6584485	C	T	0.210	0.032	0.160	4.79E-11	0.045	0.026	0.088	0.012	43.239	TRUE	2.72E-10
Allergic asthma	TRIM8	cg07119830	rs7086205	C	T	0.242	0.033	0.144	2.51E-13	-0.021	0.017	0.216	0.014	53.528	TRUE	1.25E-12
Allergic asthma	TRIM8	cg07119830	rs74465643	T	C	-0.908	0.090	0.018	4.04E-24	-0.027	0.091	0.765	0.027	102.574	TRUE	1.98E-23
Allergic asthma	TRIM8	cg07119830	rs7904281	A	G	-0.245	0.024	0.359	3.99E-24	-0.007	0.014	0.623	0.027	102.599	TRUE	2.46E-23
Allergic asthma	TRIM8	cg12673499	rs12764388	A	G	0.219	0.038	0.107	8.87E-09	-0.041	0.017	0.018	0.009	33.056	TRUE	5.96E-08
Allergic asthma	TRIM8	cg12673499	rs139965762	A	T	0.313	0.051	0.055	8.35E-10	-0.028	0.029	0.332	0.010	37.656	TRUE	2.41E-09
Allergic asthma	TRIM8	cg12673499	rs17783771	T	C	-0.437	0.025	0.326	1.21E-70	0.020	0.014	0.164	0.079	315.596	TRUE	1.55E-66
Allergic asthma	TRIM8	cg12673499	rs190041783	G	A	-0.334	0.058	0.042	6.65E-09	0.045	0.042	0.289	0.009	33.616	TRUE	1.89E-08
Allergic asthma	TRIM8	cg12673499	rs284849	T	G	-0.219	0.030	0.194	1.81E-13	0.009	0.015	0.534	0.014	54.175	TRUE	5.35E-13
Allergic asthma	TRIM8	cg12673499	rs34416174	C	G	0.254	0.025	0.308	6.63E-24	-0.017	0.015	0.260	0.027	101.593	TRUE	8.48E-23
Allergic asthma	TRIM8	cg12673499	rs4918013	A	G	0.204	0.036	0.122	1.85E-08	0.010	0.023	0.658	0.008	31.632	TRUE	3.32E-08
Allergic asthma	TRIM8	cg12673499	rs61873698	T	C	-0.243	0.043	0.084	1.67E-08	-0.012	0.027	0.655	0.009	31.827	TRUE	3.02E-08
Allergic asthma	TRIM8	cg22532475	rs11191317	A	G	-0.727	0.066	0.035	7.37E-28	0.004	0.042	0.927	0.031	119.632	TRUE	3.81E-27
Allergic asthma	TRIM8	cg22532475	rs11593244	C	T	-0.144	0.024	0.352	4.25E-09	0.000	0.014	0.975	0.009	34.487	TRUE	5.96E-09
Allergic asthma	TRIM8	cg22532475	rs12414777	T	C	0.398	0.031	0.164	1.91E-38	0.015	0.018	0.403	0.043	168.027	TRUE	8.13E-37
Allergic asthma	TRIM8	cg22532475	rs12768205	T	C	0.326	0.026	0.282	6.47E-37	-0.037	0.015	0.012	0.042	161.025	TRUE	2.66E-34
Allergic asthma	TRIM8	cg22532475	rs146213793	A	C	0.438	0.065	0.031	1.45E-11	-0.044	0.035	0.205	0.012	45.578	TRUE	6.19E-11
Allergic asthma	TRIM8	cg22532475	rs148089364	T	C	-0.312	0.048	0.059	7.08E-11	0.039	0.035	0.265	0.011	42.473	TRUE	2.51E-10
Allergic asthma	TRIM8	cg22532475	rs191944003	A	G	-0.801	0.089	0.018	2.14E-19	-0.014	0.096	0.887	0.021	81.063	TRUE	6.12E-19
Allergic asthma	TRIM8	cg22532475	rs2250301	A	G	-0.281	0.027	0.247	4.84E-25	-0.008	0.014	0.571	0.028	106.778	TRUE	3.54E-24
Allergic asthma	TRIM8	cg22532475	rs28810078	A	G	-0.437	0.079	0.024	3.77E-08	-0.023	0.059	0.692	0.008	30.249	TRUE	6.44E-08

Allergic asthma	TRIM8	cg22532475	rs2902544	T	C	0.349	0.038	0.104	8.03E-20	0.068	0.022	0.002	0.022	82.997	TRUE	5.40E-18
Allergic asthma	TRIM8	cg22532475	rs3014187	A	G	-0.236	0.037	0.231	3.34E-10	0.017	0.019	0.385	0.011	39.446	TRUE	9.26E-10
Allergic asthma	TRIM8	cg22532475	rs35055249	C	A	0.322	0.045	0.072	7.48E-13	0.018	0.025	0.477	0.014	51.386	TRUE	2.28E-12
Allergic asthma	TRIM8	cg22532475	rs35756290	A	G	0.387	0.025	0.297	2.18E-52	-0.029	0.015	0.056	0.059	231.877	TRUE	3.66E-49
Allergic asthma	TRIM8	cg22532475	rs55833108	T	G	-0.321	0.027	0.235	6.50E-32	0.026	0.016	0.102	0.036	138.152	TRUE	3.97E-30
Allergic asthma	TRIM8	cg22532475	rs59426691	C	G	-0.804	0.021	0.361	<1E-200	0.022	0.014	0.108	0.282	1449.508	TRUE	5.81E-276
Allergic asthma	TRIM8	cg22532475	rs61873698	T	C	-0.474	0.043	0.084	2.45E-28	-0.012	0.027	0.655	0.032	121.814	TRUE	2.09E-27
Allergic asthma	TRIM8	cg22532475	rs6584485	C	T	0.265	0.032	0.160	1.01E-16	0.045	0.026	0.088	0.018	68.919	TRUE	1.10E-15
Allergic asthma	TRIM8	cg22532475	rs6584538	G	A	-0.707	0.073	0.023	5.21E-22	0.031	0.048	0.517	0.025	92.957	TRUE	3.20E-21
Allergic asthma	TRIM8	cg22532475	rs7094906	G	A	-0.247	0.027	0.258	1.17E-19	-0.011	0.014	0.413	0.022	82.254	TRUE	7.03E-19
Allergic asthma	TRIM8	cg22532475	rs72841265	T	C	-0.558	0.064	0.034	4.14E-18	0.129	0.062	0.036	0.020	75.215	TRUE	7.90E-17
Allergic asthma	TRIM8	cg22532475	rs72845082	A	T	0.249	0.035	0.119	2.03E-12	-0.015	0.024	0.527	0.013	49.432	TRUE	5.58E-12
Allergic asthma	TRIM8	cg22532475	rs75779120	A	G	0.341	0.047	0.061	5.62E-13	-0.041	0.028	0.146	0.014	51.948	TRUE	3.23E-12
Allergic asthma	TRIM8	cg22532475	rs76777914	A	G	-0.611	0.063	0.037	4.14E-22	0.008	0.026	0.758	0.025	93.410	TRUE	1.74E-21
Allergic asthma	TRIM8	cg22532475	rs7921010	T	G	0.221	0.029	0.192	5.03E-14	-0.044	0.016	0.008	0.015	56.688	TRUE	9.29E-13
Allergic asthma	TRIM8	cg27391127	rs12241712	A	C	0.370	0.025	0.294	6.28E-48	-0.037	0.014	0.011	0.054	211.442	TRUE	1.55E-44
Allergic asthma	TRIM8	cg27391127	rs55689128	A	T	0.153	0.024	0.376	8.69E-11	-0.029	0.014	0.037	0.011	42.073	TRUE	6.38E-10
Allergic asthma	TRIML1	cg03199958	rs6858307	G	A	-0.288	0.052	0.059	3.06E-08	0.023	0.036	0.524	0.008	30.654	TRUE	6.17E-08
Allergic asthma	TRIML1	cg03199958	rs73023226	A	G	-1.245	0.081	0.017	6.29E-54	0.073	0.097	0.449	0.061	238.936	TRUE	1.71E-51
Allergic asthma	TRIML1	cg03199958	rs78158338	A	G	-0.697	0.106	0.012	5.30E-11	0.012	0.027	0.663	0.012	43.042	TRUE	1.12E-10
Allergic asthma	TRIML1	cg03199958	rs9784510	T	C	-0.275	0.028	0.224	2.58E-23	0.026	0.018	0.164	0.026	98.903	TRUE	4.24E-22
Allergic asthma	TRIML1	cg03199958	rs997290	A	G	-0.171	0.028	0.237	6.51E-10	0.019	0.016	0.251	0.010	38.142	TRUE	2.16E-09
Allergic asthma	TRIML1	cg03444122	rs62354295	A	G	-0.719	0.066	0.032	6.35E-28	-0.108	0.046	0.019	0.031	119.927	TRUE	5.82E-26
Allergic asthma	TRIML1	cg04086012	rs9784510	T	C	-0.168	0.028	0.224	1.29E-09	0.026	0.018	0.164	0.010	36.807	TRUE	4.96E-09
Allergic asthma	TRIML1	cg06121772	rs7673270	T	A	-0.204	0.027	0.236	2.02E-14	0.011	0.015	0.489	0.016	58.485	TRUE	6.84E-14
Allergic asthma	TRIML1	cg06121772	rs9784510	T	C	-0.234	0.027	0.224	7.36E-18	0.026	0.018	0.164	0.020	74.077	TRUE	6.72E-17
Allergic asthma	TRIML1	cg23427912	rs11723673	A	C	-0.897	0.040	0.093	1.02E-110	0.039	0.024	0.096	0.119	499.591	TRUE	9.47E-103
Allergic asthma	TRIML1	cg23427912	rs11724488	G	A	-0.251	0.024	0.426	2.77E-26	0.020	0.014	0.141	0.030	112.442	TRUE	6.96E-25
Allergic asthma	TRIML1	cg23427912	rs12647386	C	T	0.144	0.024	0.473	1.10E-09	-0.004	0.014	0.775	0.010	37.115	TRUE	1.92E-09
Allergic asthma	TRIML1	cg23427912	rs13131525	G	A	-0.307	0.023	0.475	3.61E-39	0.018	0.014	0.187	0.044	171.335	TRUE	3.49E-37
Allergic asthma	TRIML1	cg23427912	rs1540663	G	A	0.144	0.024	0.393	3.05E-09	0.019	0.014	0.169	0.009	35.133	TRUE	1.11E-08
Allergic asthma	TRIML1	cg23427912	rs34559257	C	G	-0.185	0.028	0.246	3.63E-11	0.002	0.015	0.870	0.012	43.782	TRUE	6.28E-11
Allergic asthma	TRIML1	cg23427912	rs62352691	T	A	-0.499	0.037	0.111	1.75E-40	-0.016	0.022	0.458	0.046	177.348	TRUE	8.22E-39
Allergic asthma	TRIML1	cg23427912	rs6818741	T	C	-0.164	0.027	0.259	1.21E-09	-0.001	0.015	0.963	0.010	36.932	TRUE	1.76E-09
Allergic asthma	TRIML1	cg23427912	rs6837032	G	A	-0.153	0.024	0.356	3.96E-10	0.005	0.014	0.702	0.010	39.112	TRUE	7.61E-10
Allergic asthma	TRIML1	cg25760325	rs10084905	C	T	-0.142	0.024	0.355	5.90E-09	0.006	0.014	0.689	0.009	33.849	TRUE	1.06E-08
Allergic asthma	TRIML1	cg25760325	rs11723673	A	C	-0.671	0.041	0.093	6.20E-61	0.039	0.024	0.096	0.068	271.059	TRUE	2.60E-57
Allergic asthma	TRIML1	cg25760325	rs13131525	G	A	-0.174	0.024	0.475	2.07E-13	0.018	0.014	0.187	0.014	53.905	TRUE	1.11E-12
Allergic asthma	TRIML1	cg25760325	rs4639152	C	G	-0.167	0.025	0.321	3.96E-11	0.005	0.014	0.717	0.012	43.612	TRUE	7.99E-11
Allergic asthma	TRIML1	cg25760325	rs58632577	C	T	0.170	0.024	0.423	1.99E-12	0.000	0.014	0.975	0.013	49.466	TRUE	3.32E-12
Allergic asthma	TRIML1	cg25760325	rs62352691	T	A	-0.402	0.038	0.111	1.11E-26	-0.016	0.022	0.458	0.030	114.256	TRUE	1.18E-25
Allergic asthma	UBE4B	cg08737543	rs112585126	A	G	-1.135	0.063	0.030	1.53E-73	-0.106	0.038	0.005	0.082	328.889	TRUE	6.26E-68

Allergic asthma	UNC13D	cg01430390	rs2410859	C	T	-0.492	0.025	0.314	3.53E-87	0.022	0.016	0.158	0.096	391.490	TRUE	1.05E-81
Allergic asthma	UNC13D	cg01430390	rs2598415	T	G	-0.153	0.026	0.280	6.16E-09	-0.016	0.017	0.328	0.009	33.765	TRUE	1.66E-08
Allergic asthma	UNC13D	cg01430390	rs3744011	T	C	-0.402	0.059	0.048	1.08E-11	-0.002	0.032	0.937	0.012	46.161	TRUE	1.79E-11
Allergic asthma	UNC13D	cg01430390	rs7217719	C	T	-0.167	0.025	0.344	1.06E-11	0.020	0.016	0.193	0.012	46.184	TRUE	4.74E-11
Allergic asthma	UNC13D	cg01574231	rs8065151	G	C	0.581	0.050	0.061	1.09E-30	-0.060	0.033	0.073	0.035	132.560	TRUE	7.07E-29
Allergic asthma	UNC13D	cg01574231	rs9903200	A	G	0.311	0.026	0.300	1.50E-33	0.013	0.016	0.426	0.038	145.629	TRUE	3.48E-32
Allergic asthma	UNC13D	cg02627403	rs113062332	A	G	-0.471	0.071	0.030	2.63E-11	0.055	0.041	0.188	0.012	44.411	TRUE	1.14E-10
Allergic asthma	UNC13D	cg02627403	rs12325726	T	C	-0.186	0.032	0.167	7.17E-09	-0.023	0.018	0.187	0.009	33.469	TRUE	2.42E-08
Allergic asthma	UNC13D	cg02627403	rs144456260	A	G	0.436	0.078	0.030	2.25E-08	-0.046	0.047	0.326	0.008	31.245	TRUE	5.78E-08
Allergic asthma	UNC13D	cg02627403	rs145224941	C	T	-0.523	0.092	0.014	1.51E-08	-0.022	0.044	0.610	0.009	32.020	TRUE	2.86E-08
Allergic asthma	UNC13D	cg02627403	rs147677775	A	G	-0.447	0.066	0.031	1.37E-11	-0.010	0.065	0.878	0.012	45.691	TRUE	2.40E-11
Allergic asthma	UNC13D	cg02627403	rs2071193	A	G	0.274	0.023	0.425	4.58E-32	0.018	0.014	0.179	0.036	138.846	TRUE	1.91E-30
Allergic asthma	UNC13D	cg02627403	rs2305914	T	C	-0.557	0.048	0.068	1.40E-30	-0.012	0.029	0.683	0.034	132.064	TRUE	1.40E-29
Allergic asthma	UNC13D	cg02627403	rs4788909	G	C	-0.323	0.030	0.201	2.13E-27	0.021	0.017	0.220	0.031	117.531	TRUE	4.46E-26
Allergic asthma	UNC13D	cg02627403	rs62090776	T	G	-0.253	0.041	0.094	9.57E-10	0.019	0.037	0.607	0.010	37.390	TRUE	1.98E-09
Allergic asthma	UNC13D	cg02627403	rs7210574	C	T	-0.781	0.022	0.333	1.40E-271	0.024	0.015	0.118	0.251	1239.089	TRUE	1.17E-239
Allergic asthma	UNC13D	cg02627403	rs8065144	G	A	-0.252	0.025	0.344	8.62E-25	0.019	0.015	0.222	0.028	105.633	TRUE	1.35E-23
Allergic asthma	UNC13D	cg02627403	rs9900702	C	T	-0.634	0.082	0.022	1.18E-14	0.072	0.049	0.138	0.016	59.545	TRUE	8.32E-14
Allergic asthma	UNC13D	cg02880508	rs2071193	A	G	0.164	0.023	0.425	2.60E-12	0.018	0.014	0.179	0.013	48.945	TRUE	1.27E-11
Allergic asthma	UNC13D	cg02880508	rs2444843	T	C	-0.469	0.079	0.030	3.44E-09	0.076	0.049	0.122	0.009	34.896	TRUE	1.41E-08
Allergic asthma	UNC13D	cg02880508	rs4788909	G	C	-0.235	0.030	0.201	4.17E-15	0.021	0.017	0.220	0.016	61.586	TRUE	2.44E-14
Allergic asthma	UNC13D	cg02880508	rs7210574	C	T	-0.609	0.024	0.333	2.86E-138	0.024	0.015	0.118	0.145	626.179	TRUE	2.35E-127
Allergic asthma	UNC13D	cg02880508	rs75625838	C	T	-0.258	0.043	0.090	1.42E-09	0.011	0.036	0.769	0.010	36.619	TRUE	2.47E-09
Allergic asthma	UNC13D	cg02880508	rs8065144	G	A	-0.157	0.025	0.344	1.67E-10	0.019	0.015	0.222	0.011	40.794	TRUE	6.20E-10
Allergic asthma	UNC13D	cg04304639	rs3744007	A	G	0.848	0.095	0.016	4.15E-19	0.091	0.054	0.090	0.021	79.751	TRUE	5.92E-18
Allergic asthma	UNC13D	cg07010633	rs113617218	A	G	-0.204	0.027	0.264	1.62E-14	-0.007	0.016	0.662	0.016	58.913	TRUE	4.40E-14
Allergic asthma	UNC13D	cg07010633	rs12325726	T	C	-0.229	0.032	0.167	1.08E-12	-0.023	0.018	0.187	0.014	50.663	TRUE	5.41E-12
Allergic asthma	UNC13D	cg07010633	rs12601118	A	C	-0.474	0.044	0.074	1.83E-27	-0.002	0.029	0.955	0.031	117.829	TRUE	8.75E-27
Allergic asthma	UNC13D	cg07010633	rs145224941	C	T	-0.625	0.092	0.014	1.29E-11	-0.022	0.044	0.610	0.012	45.805	TRUE	3.03E-11
Allergic asthma	UNC13D	cg07010633	rs2305914	T	C	-0.594	0.048	0.068	1.40E-34	-0.012	0.029	0.683	0.039	150.344	TRUE	2.08E-33
Allergic asthma	UNC13D	cg07010633	rs62090776	T	G	-0.306	0.041	0.094	1.32E-13	0.019	0.037	0.607	0.015	54.788	TRUE	3.60E-13
Allergic asthma	UNC13D	cg07010633	rs7216655	A	G	0.578	0.068	0.066	1.47E-17	0.004	0.021	0.843	0.019	72.711	TRUE	3.93E-17
Allergic asthma	UNC13D	cg07010633	rs73352129	G	C	-0.855	0.022	0.308	<1E-200	0.035	0.016	0.030	0.285	1474.590	TRUE	3.32E-279
Allergic asthma	UNC13D	cg07010633	rs75988962	T	C	-0.624	0.036	0.117	8.88E-67	0.034	0.023	0.128	0.075	297.864	TRUE	7.54E-63
Allergic asthma	UNC13D	cg07010633	rs9900702	C	T	-0.691	0.082	0.022	3.73E-17	0.072	0.049	0.138	0.019	70.878	TRUE	3.45E-16
Allergic asthma	UNC13D	cg12407791	rs113617218	A	G	-0.194	0.027	0.264	2.47E-13	-0.007	0.016	0.662	0.014	53.561	TRUE	6.16E-13
Allergic asthma	UNC13D	cg12407791	rs12325726	T	C	-0.261	0.032	0.167	3.74E-16	-0.023	0.018	0.187	0.018	66.334	TRUE	2.66E-15
Allergic asthma	UNC13D	cg12407791	rs12601118	A	C	-0.472	0.044	0.074	2.72E-27	-0.002	0.029	0.955	0.031	117.045	TRUE	1.28E-26
Allergic asthma	UNC13D	cg12407791	rs145224941	C	T	-0.663	0.092	0.014	6.43E-13	-0.022	0.044	0.610	0.014	51.683	TRUE	1.66E-12
Allergic asthma	UNC13D	cg12407791	rs2305914	T	C	-0.619	0.048	0.068	1.43E-37	-0.012	0.029	0.683	0.042	164.026	TRUE	2.90E-36
Allergic asthma	UNC13D	cg12407791	rs2666001	T	A	0.217	0.035	0.120	8.49E-10	-0.002	0.021	0.917	0.010	37.624	TRUE	1.30E-09
Allergic asthma	UNC13D	cg12407791	rs4485425	A	G	-0.889	0.022	0.301	<1E-200	0.036	0.016	0.028	0.299	1576.217	TRUE	2.86E-296

Allergic asthma	UNC13D	cg12407791	rs62090776	T	G	-0.302	0.041	0.094	2.80E-13	0.019	0.037	0.607	0.014	53.318	TRUE	7.42E-13
Allergic asthma	UNC13D	cg12407791	rs7216655	A	G	0.605	0.068	0.066	4.18E-19	0.004	0.021	0.843	0.021	79.740	TRUE	1.24E-18
Allergic asthma	UNC13D	cg12407791	rs75988962	T	C	-0.665	0.036	0.117	4.53E-76	0.034	0.023	0.128	0.084	340.496	TRUE	2.01E-71
Allergic asthma	UNC13D	cg12407791	rs9900702	C	T	-0.707	0.082	0.022	6.47E-18	0.072	0.049	0.138	0.020	74.331	TRUE	6.51E-17
Allergic asthma	UNC13D	cg14715778	rs2410859	C	T	0.240	0.025	0.314	2.12E-21	0.022	0.016	0.158	0.024	90.177	TRUE	2.89E-20
Allergic asthma	UNC13D	cg15177359	rs3744021	A	G	0.148	0.025	0.294	5.08E-09	0.020	0.016	0.209	0.009	34.141	TRUE	1.67E-08
Allergic asthma	UNC13D	cg16354117	rs11868308	T	C	0.446	0.027	0.230	6.12E-60	0.039	0.018	0.026	0.067	266.498	TRUE	6.30E-56
Allergic asthma	UNC13D	cg17075258	rs7210574	C	T	-0.338	0.025	0.333	5.02E-42	0.024	0.015	0.118	0.047	184.410	TRUE	1.03E-39
Allergic asthma	UNC13D	cg22467534	rs56000661	C	A	-0.142	0.025	0.314	1.62E-08	0.020	0.016	0.206	0.009	31.881	TRUE	5.09E-08
Allergic asthma	UNC13D	cg23470227	rs113062332	A	G	-0.440	0.071	0.030	4.74E-10	0.055	0.041	0.188	0.010	38.762	TRUE	1.80E-09
Allergic asthma	UNC13D	cg23470227	rs12325726	T	C	-0.213	0.032	0.167	3.19E-11	-0.023	0.018	0.187	0.012	44.033	TRUE	1.37E-10
Allergic asthma	UNC13D	cg23470227	rs145224941	C	T	-0.622	0.092	0.014	1.59E-11	-0.022	0.044	0.610	0.012	45.398	TRUE	3.70E-11
Allergic asthma	UNC13D	cg23470227	rs147677775	A	G	-0.413	0.066	0.031	4.20E-10	-0.010	0.065	0.878	0.010	38.995	TRUE	6.79E-10
Allergic asthma	UNC13D	cg23470227	rs2071193	A	G	0.273	0.023	0.425	6.68E-32	0.018	0.014	0.179	0.036	138.098	TRUE	2.74E-30
Allergic asthma	UNC13D	cg23470227	rs2305914	T	C	-0.449	0.049	0.068	2.61E-20	-0.012	0.029	0.683	0.023	85.219	TRUE	1.06E-19
Allergic asthma	UNC13D	cg23470227	rs4788909	G	C	-0.347	0.030	0.201	2.14E-31	0.021	0.017	0.220	0.035	135.784	TRUE	7.05E-30
Allergic asthma	UNC13D	cg23470227	rs56321017	T	C	-0.512	0.087	0.019	3.54E-09	0.071	0.049	0.148	0.009	34.844	TRUE	1.35E-08
Allergic asthma	UNC13D	cg23470227	rs62090776	T	G	-0.343	0.041	0.094	9.02E-17	0.019	0.037	0.607	0.018	69.136	TRUE	3.12E-16
Allergic asthma	UNC13D	cg23470227	rs7216655	A	G	0.521	0.068	0.066	1.60E-14	0.004	0.021	0.843	0.016	58.940	TRUE	3.49E-14
Allergic asthma	UNC13D	cg23470227	rs7217719	C	T	-0.241	0.025	0.344	9.98E-23	0.020	0.016	0.193	0.025	96.226	TRUE	1.38E-21
Allergic asthma	UNC13D	cg23470227	rs9900933	C	T	-0.831	0.022	0.348	<1E-200	0.023	0.015	0.127	0.287	1485.716	TRUE	2.82E-282
Allergic asthma	UNC13D	cg23891399	rs12325726	T	C	-0.212	0.032	0.167	4.34E-11	-0.023	0.018	0.187	0.012	43.429	TRUE	1.84E-10
Allergic asthma	UNC13D	cg23891399	rs12601118	A	C	-0.430	0.044	0.074	7.14E-23	-0.002	0.029	0.955	0.026	96.890	TRUE	2.38E-22
Allergic asthma	UNC13D	cg23891399	rs144456260	A	G	0.425	0.078	0.030	4.92E-08	-0.046	0.047	0.326	0.008	29.731	TRUE	1.22E-07
Allergic asthma	UNC13D	cg23891399	rs145224941	C	T	-0.636	0.092	0.014	5.70E-12	-0.022	0.044	0.610	0.013	47.406	TRUE	1.37E-11
Allergic asthma	UNC13D	cg23891399	rs2071193	A	G	0.319	0.023	0.425	3.78E-43	0.018	0.014	0.179	0.049	189.552	TRUE	6.39E-41
Allergic asthma	UNC13D	cg23891399	rs2598431	G	A	0.303	0.052	0.052	6.12E-09	0.062	0.037	0.095	0.009	33.778	TRUE	2.64E-08
Allergic asthma	UNC13D	cg23891399	rs3744011	T	C	-0.687	0.059	0.048	1.54E-31	-0.002	0.032	0.937	0.036	136.447	TRUE	1.07E-30
Allergic asthma	UNC13D	cg23891399	rs4485425	A	G	-0.861	0.023	0.301	<1E-200	0.036	0.016	0.028	0.281	1442.108	TRUE	1.26E-273
Allergic asthma	UNC13D	cg23891399	rs62090776	T	G	-0.360	0.041	0.094	2.80E-18	0.019	0.037	0.607	0.020	75.985	TRUE	1.09E-17
Allergic asthma	UNC13D	cg23891399	rs7216655	A	G	0.486	0.068	0.066	8.43E-13	0.004	0.021	0.843	0.014	51.153	TRUE	1.65E-12
Allergic asthma	UNC13D	cg23891399	rs75988962	T	C	-0.636	0.036	0.117	2.96E-69	0.034	0.023	0.128	0.077	309.224	TRUE	3.86E-65
Allergic asthma	UNC13D	cg23891399	rs9900702	C	T	-0.618	0.082	0.022	5.15E-14	0.072	0.049	0.138	0.015	56.641	TRUE	3.40E-13
Allergic asthma	UNC5B	cg02378006	rs12412628	G	A	-0.190	0.023	0.444	2.84E-16	-0.030	0.014	0.025	0.018	66.878	TRUE	4.92E-15
Allergic asthma	UNC5B	cg02675344	rs7090550	C	T	0.139	0.023	0.451	3.20E-09	0.005	0.014	0.717	0.009	35.036	TRUE	5.72E-09
Allergic asthma	UNC5B	cg04177244	rs10823691	C	T	0.265	0.026	0.279	1.32E-24	0.025	0.015	0.105	0.028	104.783	TRUE	3.28E-23
Allergic asthma	UNC5B	cg04177244	rs10999720	A	G	-0.558	0.040	0.092	3.67E-44	-0.021	0.020	0.288	0.050	194.189	TRUE	4.51E-42
Allergic asthma	UNC5B	cg04269057	rs827276	T	C	0.225	0.037	0.108	1.54E-09	-0.006	0.022	0.767	0.010	36.468	TRUE	2.67E-09
Allergic asthma	UNC5B	cg08539872	rs80017311	C	G	0.670	0.042	0.089	2.00E-58	0.038	0.025	0.128	0.066	259.550	TRUE	4.31E-55
Allergic asthma	UNC5B	cg08539872	rs879279	A	C	-0.250	0.026	0.287	1.34E-21	0.029	0.016	0.071	0.024	91.096	TRUE	2.86E-20
Allergic asthma	UNC5B	cg08905239	rs10999725	G	C	-0.556	0.040	0.090	4.55E-43	-0.022	0.020	0.267	0.049	189.185	TRUE	5.23E-41
Allergic asthma	UNC5B	cg08905239	rs2153712	G	A	0.513	0.025	0.286	1.86E-92	0.021	0.015	0.158	0.101	415.719	TRUE	1.62E-86

Allergic asthma	UNC5B	cg08905239	rs4345888	G	A	0.309	0.029	0.192	7.96E-26	-0.008	0.017	0.637	0.029	110.352	TRUE	5.57E-25
Allergic asthma	UNC5B	cg11224737	rs10999741	A	G	0.252	0.026	0.285	1.31E-22	0.029	0.016	0.064	0.025	95.689	TRUE	3.34E-21
Allergic asthma	UNC5B	cg17477835	rs6480504	A	G	0.397	0.046	0.064	7.52E-18	0.003	0.025	0.902	0.020	74.034	TRUE	1.90E-17
Allergic asthma	UNC5B	cg17477835	rs71477537	T	C	0.278	0.050	0.050	3.11E-08	0.000	0.045	0.999	0.008	30.621	TRUE	4.10E-08
Allergic asthma	UNC5B	cg18317005	rs10400016	G	A	-0.349	0.023	0.432	4.60E-51	-0.038	0.014	0.005	0.058	225.811	TRUE	3.09E-47
Allergic asthma	UNC5B	cg18317005	rs12767939	C	G	0.205	0.024	0.371	4.57E-17	0.032	0.015	0.029	0.019	70.477	TRUE	8.23E-16
Allergic asthma	UNC5B	cg18317005	rs2394789	G	A	-0.548	0.048	0.060	8.46E-30	0.003	0.025	0.915	0.034	128.491	TRUE	5.26E-29
Allergic asthma	UNC5B	cg18317005	rs35462186	T	G	-0.325	0.054	0.046	2.39E-09	-0.010	0.034	0.777	0.010	35.606	TRUE	4.07E-09
Allergic asthma	UNC5B	cg18317005	rs56275535	T	C	-0.286	0.034	0.142	1.48E-17	0.004	0.019	0.834	0.019	72.696	TRUE	4.00E-17
Allergic asthma	UNC5B	cg18389931	rs61851258	G	A	-0.347	0.043	0.081	1.26E-15	-0.058	0.027	0.031	0.017	63.934	TRUE	1.85E-14
Allergic asthma	UNC5B	cg19673155	rs1124397	C	T	-0.224	0.026	0.315	1.87E-18	0.022	0.014	0.121	0.020	76.778	TRUE	2.14E-17
Allergic asthma	UNC5B	cg23622162	rs10400146	T	C	-0.412	0.030	0.185	6.88E-43	-0.004	0.015	0.769	0.048	188.364	TRUE	2.10E-41
Allergic asthma	UNC5B	cg23622162	rs10823707	G	T	0.187	0.023	0.464	1.48E-15	0.021	0.014	0.133	0.017	63.627	TRUE	1.17E-14
Allergic asthma	UNC5B	cg23622162	rs12357498	T	C	0.159	0.029	0.197	4.65E-08	0.024	0.018	0.202	0.008	29.841	TRUE	1.40E-07
Allergic asthma	UNC5B	cg23622162	rs13419	G	A	-0.987	0.021	0.273	<1E-200	-0.058	0.014	4.83E-05	0.383	2294.710	TRUE	<1E-200
Allergic asthma	UNC5B	cg23622162	rs16928669	G	A	1.683	0.061	0.033	9.90E-168	0.001	0.040	0.987	0.171	761.581	TRUE	3.86E-155
Allergic asthma	UNC5B	cg23622162	rs2066210	G	A	0.373	0.044	0.151	4.32E-17	-0.003	0.021	0.870	0.019	70.587	TRUE	1.08E-16
Allergic asthma	UNC5B	cg23622162	rs2487068	A	G	0.207	0.036	0.119	1.35E-08	0.037	0.020	0.058	0.009	32.245	TRUE	6.48E-08
Allergic asthma	UNC5B	cg23622162	rs4381296	A	T	-0.212	0.024	0.347	3.29E-18	-0.041	0.014	0.004	0.020	75.666	TRUE	1.43E-16
Allergic asthma	UNC5B	cg23622162	rs74147806	G	C	0.612	0.042	0.082	1.03E-48	-0.025	0.022	0.255	0.055	215.038	TRUE	2.65E-46
Allergic asthma	UNC5B	cg23622162	rs77618593	T	C	-0.675	0.112	0.024	1.55E-09	-0.004	0.048	0.932	0.010	36.449	TRUE	2.31E-09
Allergic asthma	UNC5B	cg23622162	rs7897039	G	T	-0.187	0.026	0.282	8.46E-13	-0.004	0.015	0.795	0.014	51.144	TRUE	1.75E-12
Allergic asthma	UNC5B	cg23622162	rs809691	A	T	0.162	0.025	0.360	4.69E-11	0.043	0.015	0.003	0.012	43.277	TRUE	6.70E-10
Allergic asthma	UNC5B	cg24839386	rs10823707	G	T	-0.220	0.023	0.464	6.85E-21	0.021	0.014	0.133	0.023	87.862	TRUE	9.74E-20
Allergic asthma	UNC5B	cg24839386	rs12355168	T	A	-0.659	0.042	0.086	4.88E-55	0.038	0.025	0.135	0.062	244.026	TRUE	5.86E-52
Allergic asthma	UNC5B	cg24839386	rs7895359	A	G	0.175	0.031	0.174	1.64E-08	-0.007	0.015	0.657	0.009	31.863	TRUE	2.96E-08
Allergic asthma	UNC5B	cg26152017	rs10823707	G	T	-0.227	0.023	0.464	2.83E-22	0.021	0.014	0.133	0.025	94.162	TRUE	4.70E-21
Allergic asthma	UNC5B	cg26152017	rs12355168	T	A	-0.671	0.042	0.086	6.95E-57	0.038	0.025	0.135	0.064	252.490	TRUE	1.11E-53
Allergic asthma	USP30	cg03124318	rs10778664	C	G	-0.181	0.027	0.264	2.81E-11	0.019	0.015	0.188	0.012	44.280	TRUE	1.21E-10
Allergic asthma	USP30	cg03124318	rs11069031	A	C	-0.497	0.023	0.416	6.33E-105	0.034	0.014	0.015	0.113	472.984	TRUE	1.02E-96
Allergic asthma	USP30	cg03124318	rs12821387	C	T	0.219	0.030	0.181	5.07E-13	-0.029	0.016	0.078	0.014	52.149	TRUE	3.81E-12
Allergic asthma	USP30	cg03124318	rs1433314	C	A	-0.259	0.026	0.260	6.08E-23	0.036	0.016	0.027	0.026	97.208	TRUE	2.42E-21
Allergic asthma	USP30	cg03124318	rs143408102	A	G	0.709	0.116	0.023	9.09E-10	-0.019	0.032	0.563	0.010	37.491	TRUE	1.97E-09
Allergic asthma	USP30	cg03124318	rs146070136	T	C	-0.285	0.052	0.052	3.19E-08	-0.009	0.026	0.712	0.008	30.570	TRUE	5.38E-08
Allergic asthma	USP30	cg03124318	rs36191519	C	T	-0.223	0.024	0.380	5.26E-20	-0.010	0.014	0.449	0.022	83.834	TRUE	3.05E-19
Allergic asthma	USP30	cg03124318	rs55960723	A	G	-0.228	0.040	0.091	1.56E-08	0.015	0.029	0.601	0.009	31.960	TRUE	2.98E-08
Allergic asthma	USP30	cg03124318	rs7299270	T	A	-0.274	0.025	0.373	1.21E-28	0.020	0.014	0.165	0.032	123.217	TRUE	3.60E-27
Allergic asthma	USP30	cg03220751	rs10778664	C	G	-0.203	0.027	0.264	3.03E-14	0.019	0.015	0.188	0.015	57.684	TRUE	1.77E-13
Allergic asthma	USP30	cg03220751	rs11069031	A	C	-0.746	0.020	0.416	6.18E-302	0.034	0.014	0.015	0.272	1383.292	TRUE	3.71E-263
Allergic asthma	USP30	cg03220751	rs11610881	G	A	0.176	0.026	0.262	2.36E-11	-0.010	0.015	0.520	0.012	44.626	TRUE	6.03E-11
Allergic asthma	USP30	cg03220751	rs1433314	C	A	-0.227	0.026	0.260	1.98E-18	0.036	0.016	0.027	0.020	76.668	TRUE	4.38E-17
Allergic asthma	USP30	cg03220751	rs144983473	T	C	-0.407	0.051	0.052	9.15E-16	-0.009	0.026	0.713	0.017	64.570	TRUE	2.55E-15

Allergic asthma	USP30	cg03220751	rs17041020	A	G	0.334	0.045	0.071	1.51E-13	-0.055	0.024	0.020	0.015	54.522	TRUE	1.94E-12
Allergic asthma	USP30	cg03220751	rs246085	C	T	-0.440	0.045	0.064	2.63E-22	0.045	0.030	0.136	0.025	94.308	TRUE	4.31E-21
Allergic asthma	USP30	cg03220751	rs34263	G	A	-0.210	0.028	0.209	8.64E-14	0.003	0.016	0.848	0.015	55.624	TRUE	1.79E-13
Allergic asthma	USP30	cg03220751	rs34272	T	C	-0.224	0.038	0.100	4.19E-09	-0.037	0.025	0.137	0.009	34.513	TRUE	1.63E-08
Allergic asthma	USP30	cg03220751	rs36140404	C	T	-0.292	0.024	0.383	1.33E-34	-0.010	0.014	0.472	0.039	150.443	TRUE	3.09E-33
Allergic asthma	USP30	cg03220751	rs73191165	C	T	-0.314	0.040	0.096	5.54E-15	0.038	0.029	0.198	0.016	61.027	TRUE	3.39E-14
Allergic asthma	USP30	cg03220751	rs7979871	G	T	-0.307	0.024	0.372	6.66E-37	0.022	0.014	0.118	0.042	160.966	TRUE	6.92E-35
Allergic asthma	USP30	cg03220751	rs79820769	T	C	0.465	0.065	0.089	7.77E-13	-0.036	0.018	0.043	0.014	51.311	TRUE	7.08E-12
Allergic asthma	USP30	cg12535380	rs10778664	C	G	-0.219	0.027	0.264	6.05E-16	0.019	0.015	0.188	0.017	65.384	TRUE	4.20E-15
Allergic asthma	USP30	cg12535380	rs11610881	G	A	0.274	0.027	0.262	5.70E-25	-0.010	0.015	0.520	0.028	106.452	TRUE	4.56E-24
Allergic asthma	USP30	cg12535380	rs142715158	A	G	-0.421	0.030	0.192	2.24E-43	0.006	0.017	0.699	0.049	190.594	TRUE	8.40E-42
Allergic asthma	USP30	cg12535380	rs2018290	A	C	0.773	0.020	0.492	<1E-200	-0.033	0.014	0.015	0.288	1492.787	TRUE	8.17E-282
Allergic asthma	USP30	cg12535380	rs2268388	A	G	0.222	0.033	0.152	3.05E-11	-0.003	0.020	0.859	0.012	44.121	TRUE	5.36E-11
Allergic asthma	USP30	cg12535380	rs246085	C	T	-0.342	0.046	0.064	1.11E-13	0.045	0.030	0.136	0.015	55.129	TRUE	7.12E-13
Allergic asthma	USP30	cg12535380	rs35307494	C	T	-0.157	0.026	0.289	8.79E-10	-0.014	0.014	0.316	0.010	37.555	TRUE	2.60E-09
Allergic asthma	USP30	cg12535380	rs55960723	A	G	-0.225	0.040	0.091	2.44E-08	0.015	0.029	0.601	0.008	31.091	TRUE	4.60E-08
Allergic asthma	USP30	cg12535380	rs73195457	T	G	-0.500	0.061	0.036	3.78E-16	0.025	0.037	0.498	0.018	66.312	TRUE	1.46E-15
Allergic asthma	USP30	cg12535380	rs73413017	C	T	-0.377	0.031	0.173	7.64E-34	-0.009	0.018	0.629	0.038	146.972	TRUE	1.17E-32
Allergic asthma	USP30	cg12535380	rs7959980	C	T	0.245	0.033	0.147	2.01E-13	-0.001	0.019	0.956	0.014	53.967	TRUE	3.61E-13
Allergic asthma	USP30	cg12535380	rs80117700	A	C	0.416	0.067	0.034	6.50E-10	-0.072	0.035	0.037	0.010	38.143	TRUE	4.23E-09
Allergic asthma	VDAC3	cg15653945	rs141641517	C	G	0.537	0.062	0.038	7.03E-18	-0.024	0.027	0.381	0.020	74.169	TRUE	3.82E-17
Allergic asthma	VDAC3	cg15653945	rs543398208	G	A	1.356	0.114	0.011	1.17E-32	0.099	0.061	0.106	0.037	141.549	TRUE	7.69E-31
Allergic asthma	VDAC3	cg15653945	rs73623810	C	G	1.744	0.074	0.027	1.46E-122	0.050	0.025	0.046	0.130	553.998	TRUE	6.04E-113
Allergic asthma	VDAC3	cg15653945	rs7838753	C	T	0.233	0.040	0.111	5.47E-09	-0.014	0.020	0.492	0.009	33.997	TRUE	1.21E-08
Allergic asthma	VDAC3	cg17459219	rs4376487	G	A	0.358	0.064	0.042	2.30E-08	0.057	0.031	0.063	0.008	31.202	TRUE	1.05E-07
Allergic asthma	VDAC3	cg17910564	rs7004637	G	A	-0.313	0.055	0.057	1.50E-08	0.046	0.022	0.035	0.009	32.040	TRUE	8.19E-08
Allergic asthma	VDAC3	cg26844171	rs543398208	G	A	0.676	0.115	0.011	3.98E-09	0.099	0.061	0.106	0.009	34.614	TRUE	1.69E-08
Allergic asthma	VDAC3	cg26844171	rs73622201	T	C	0.962	0.078	0.026	5.10E-35	0.048	0.025	0.051	0.040	152.350	TRUE	7.23E-33
Allergic asthma	VPS33A	cg09924998	rs11057290	A	G	0.599	0.046	0.072	3.83E-38	-0.089	0.039	0.022	0.043	166.643	TRUE	1.38E-35
Allergic asthma	VPS33A	cg09924998	rs838777	T	C	0.251	0.035	0.137	4.31E-13	-0.042	0.020	0.034	0.014	52.469	TRUE	4.40E-12
Allergic asthma	VPS4A	cg00596184	rs11075703	G	A	-0.844	0.067	0.029	5.69E-36	0.035	0.047	0.454	0.041	156.704	TRUE	1.60E-34
Allergic asthma	VPS4A	cg00596184	rs112113281	T	C	-0.956	0.045	0.073	3.38E-101	0.014	0.023	0.541	0.110	455.864	TRUE	2.66E-95
Allergic asthma	VPS4A	cg00596184	rs11641710	A	G	0.161	0.028	0.241	6.25E-09	-0.032	0.015	0.030	0.009	33.737	TRUE	3.79E-08
Allergic asthma	VPS4A	cg00596184	rs11644316	T	C	-0.425	0.024	0.420	6.88E-72	-0.006	0.013	0.679	0.080	321.312	TRUE	1.44E-68
Allergic asthma	VPS4A	cg00596184	rs117498338	A	C	-0.819	0.131	0.011	3.71E-10	-0.006	0.081	0.936	0.010	39.239	TRUE	5.69E-10
Allergic asthma	VPS4A	cg00596184	rs117745253	G	A	0.482	0.079	0.028	1.11E-09	-0.074	0.035	0.032	0.010	37.095	TRUE	7.36E-09
Allergic asthma	VPS4A	cg00596184	rs117771346	T	C	-0.722	0.093	0.014	1.07E-14	-0.025	0.026	0.335	0.016	59.734	TRUE	4.74E-14
Allergic asthma	VPS4A	cg00596184	rs12149228	T	C	-0.192	0.031	0.162	6.83E-10	-0.012	0.018	0.515	0.010	38.047	TRUE	1.57E-09
Allergic asthma	VPS4A	cg00596184	rs12444344	G	A	0.332	0.037	0.115	4.53E-19	0.027	0.024	0.257	0.021	79.581	TRUE	3.58E-18
Allergic asthma	VPS4A	cg00596184	rs146187919	T	C	0.427	0.049	0.050	5.65E-18	-0.003	0.037	0.932	0.020	74.601	TRUE	1.38E-17
Allergic asthma	VPS4A	cg00596184	rs150492217	C	A	-0.411	0.059	0.042	2.51E-12	0.043	0.042	0.301	0.013	49.015	TRUE	9.56E-12
Allergic asthma	VPS4A	cg00596184	rs16958736	T	C	0.358	0.039	0.093	3.98E-20	0.023	0.025	0.351	0.022	84.387	TRUE	2.82E-19

Allergic asthma	VPS4A	cg00596184	rs184558637	A	C	-0.974	0.076	0.021	1.33E-37	-0.016	0.053	0.762	0.042	164.165	TRUE	2.32E-36
Allergic asthma	VPS4A	cg00596184	rs2011779	G	A	-0.185	0.024	0.387	2.61E-14	-0.016	0.014	0.249	0.015	57.975	TRUE	1.33E-13
Allergic asthma	VPS4A	cg00596184	rs33965115	A	G	-0.490	0.050	0.056	6.45E-23	-0.019	0.030	0.533	0.026	97.090	TRUE	4.17E-22
Allergic asthma	VPS4A	cg00596184	rs35828316	A	G	-0.323	0.043	0.079	4.72E-14	0.050	0.030	0.093	0.015	56.814	TRUE	3.71E-13
Allergic asthma	VPS4A	cg00596184	rs3759983	T	C	-0.909	0.022	0.272	<1E-200	0.027	0.016	0.086	0.308	1647.452	TRUE	<1E-200
Allergic asthma	VPS4A	cg00596184	rs3785076	G	A	0.424	0.059	0.038	5.73E-13	0.025	0.040	0.527	0.014	51.908	TRUE	1.65E-12
Allergic asthma	VPS4A	cg00596184	rs62052772	T	C	0.207	0.033	0.349	4.77E-10	-0.015	0.014	0.285	0.010	38.750	TRUE	1.51E-09
Allergic asthma	VPS4A	cg00596184	rs696585	G	A	0.284	0.026	0.283	4.13E-28	-0.003	0.014	0.819	0.032	120.779	TRUE	2.61E-27
Allergic asthma	VPS4A	cg00596184	rs7186727	G	A	0.331	0.034	0.132	8.62E-22	0.022	0.019	0.243	0.024	91.961	TRUE	9.30E-21
Allergic asthma	VPS4A	cg00596184	rs72797195	G	A	0.319	0.026	0.286	1.56E-35	-0.004	0.015	0.771	0.040	154.699	TRUE	2.16E-34
Allergic asthma	VPS4A	cg00596184	rs75069063	A	G	-0.736	0.048	0.057	1.25E-53	0.045	0.028	0.112	0.060	237.566	TRUE	1.44E-50
Allergic asthma	VPS4A	cg00596184	rs8055800	T	C	0.338	0.044	0.078	8.01E-15	-0.018	0.022	0.412	0.016	60.301	TRUE	3.16E-14
Allergic asthma	VPS4A	cg00596184	rs8056707	A	G	-0.345	0.054	0.048	1.92E-10	-0.020	0.033	0.540	0.011	40.526	TRUE	4.48E-10
Allergic asthma	VPS4A	cg00596184	rs8061932	C	T	-0.402	0.032	0.145	5.69E-36	0.003	0.018	0.852	0.041	156.705	TRUE	7.05E-35
Allergic asthma	VPS4A	cg00596184	rs9929584	C	T	-0.408	0.024	0.326	3.17E-62	0.003	0.015	0.859	0.070	276.984	TRUE	9.40E-60
Allergic asthma	VPS4A	cg01115243	rs138940898	A	G	0.377	0.064	0.032	4.84E-09	0.161	0.065	0.013	0.009	34.233	TRUE	3.65E-08
Allergic asthma	VPS4A	cg02825511	rs117281966	G	C	0.531	0.082	0.042	1.06E-10	0.016	0.059	0.786	0.011	41.681	TRUE	1.94E-10
Allergic asthma	VPS4A	cg02825511	rs34799636	C	A	0.255	0.030	0.177	2.60E-17	0.027	0.020	0.174	0.019	71.586	TRUE	2.17E-16
Allergic asthma	VPS4A	cg03174963	rs877534	A	C	0.171	0.025	0.317	5.81E-12	0.027	0.015	0.078	0.013	47.367	TRUE	3.85E-11
Allergic asthma	VPS4A	cg26468152	rs13339473	T	A	-0.197	0.025	0.309	1.48E-15	0.026	0.015	0.091	0.017	63.627	TRUE	1.39E-14
Allergic asthma	VPS4A	cg26979197	rs12708897	G	A	-0.337	0.025	0.321	3.41E-42	0.028	0.015	0.070	0.048	185.181	TRUE	1.06E-39
Allergic asthma	VPS4A	cg26979197	rs9923920	T	C	-0.233	0.040	0.094	5.25E-09	-0.011	0.026	0.667	0.009	34.075	TRUE	9.72E-09
Allergic asthma	VPS4A	cg27620681	rs9924894	G	T	-0.161	0.026	0.262	8.15E-10	0.023	0.016	0.150	0.010	37.703	TRUE	3.31E-09
Allergic asthma	WBP2	cg12884495	rs2244377	A	G	0.139	0.024	0.350	1.13E-08	-0.024	0.015	0.121	0.009	32.589	TRUE	4.35E-08
Allergic asthma	WBP2	cg12884495	rs79359749	A	G	0.653	0.093	0.018	2.20E-12	-0.170	0.098	0.081	0.013	49.272	TRUE	1.51E-11
Allergic asthma	WBP2	cg12884495	rs9903200	A	G	0.329	0.026	0.300	2.33E-37	0.013	0.016	0.426	0.042	163.050	TRUE	8.25E-36
Allergic asthma	WDR35	cg01055594	rs1370585	T	C	-0.216	0.027	0.257	9.93E-16	0.033	0.015	0.030	0.017	64.410	TRUE	1.50E-14
Allergic asthma	WDR35	cg01055594	rs76373115	T	C	0.556	0.045	0.075	1.03E-35	-0.010	0.024	0.668	0.040	155.521	TRUE	1.78E-34
Allergic asthma	WDR35	cg05412990	rs75724734	T	C	0.421	0.045	0.075	3.68E-21	-0.008	0.024	0.748	0.024	89.094	TRUE	1.46E-20
Allergic asthma	WDR35	cg20319457	rs75651650	A	C	0.236	0.042	0.081	2.29E-08	0.001	0.024	0.951	0.008	31.213	TRUE	3.17E-08
Allergic asthma	WDR35	cg20786514	rs1017446	C	T	0.223	0.025	0.312	1.16E-18	0.023	0.015	0.117	0.021	77.732	TRUE	1.37E-17
Allergic asthma	WDR35	cg20786514	rs2881879	T	A	-0.168	0.025	0.334	1.19E-11	-0.029	0.015	0.050	0.012	45.971	TRUE	8.86E-11
Allergic asthma	WDR35	cg22939193	rs16987211	C	T	0.264	0.046	0.070	6.91E-09	-0.003	0.025	0.908	0.009	33.541	TRUE	1.02E-08
Allergic asthma	WDR35	cg23516425	rs13006748	C	G	0.213	0.026	0.288	1.43E-16	0.033	0.015	0.024	0.018	68.233	TRUE	2.61E-15
Allergic asthma	WDR6	cg00383909	rs114582462	G	A	0.596	0.085	0.019	2.42E-12	0.051	0.100	0.608	0.013	49.087	TRUE	5.98E-12
Allergic asthma	WDR6	cg00383909	rs11712056	C	T	-0.211	0.024	0.441	3.64E-19	0.037	0.014	0.009	0.021	80.014	TRUE	1.35E-17
Allergic asthma	WDR6	cg00383909	rs11715689	T	C	1.271	0.033	0.108	<1E-200	-0.039	0.021	0.065	0.288	1499.236	TRUE	5.67E-284
Allergic asthma	WDR6	cg00383909	rs12629366	C	G	0.191	0.025	0.327	1.02E-14	0.011	0.014	0.427	0.016	59.829	TRUE	3.88E-14
Allergic asthma	WDR6	cg00383909	rs35701831	C	A	-0.187	0.023	0.451	1.68E-15	0.022	0.014	0.119	0.017	63.369	TRUE	1.40E-14
Allergic asthma	WDR6	cg00383909	rs9815088	C	T	0.214	0.023	0.436	6.67E-20	-0.018	0.014	0.206	0.022	83.364	TRUE	6.59E-19
Allergic asthma	WDR6	cg00383909	rs9866749	A	T	-0.224	0.026	0.272	1.43E-17	0.015	0.015	0.316	0.019	72.768	TRUE	8.58E-17
Allergic asthma	WDR6	cg00383909	rs9875911	T	C	0.927	0.097	0.019	8.84E-22	0.042	0.101	0.681	0.024	91.912	TRUE	4.07E-21

Allergic asthma	WDR6	cg05785598	rs113592495	G	T	0.216	0.033	0.144	1.06E-10	0.010	0.019	0.592	0.011	41.681	TRUE	2.38E-10
Allergic asthma	WDR6	cg05785598	rs144275801	T	C	-0.466	0.067	0.027	3.50E-12	-0.025	0.031	0.420	0.013	48.360	TRUE	1.09E-11
Allergic asthma	WDR6	cg05785598	rs17598137	A	C	-0.346	0.041	0.089	1.93E-17	0.012	0.028	0.665	0.019	72.178	TRUE	6.46E-17
Allergic asthma	WDR6	cg05785598	rs2304442	A	T	-0.268	0.031	0.166	9.52E-18	-0.034	0.017	0.039	0.020	73.570	TRUE	1.67E-16
Allergic asthma	WDR6	cg05785598	rs3731497	G	T	0.166	0.025	0.323	4.79E-11	-0.026	0.017	0.125	0.012	43.238	TRUE	2.39E-10
Allergic asthma	WDR6	cg05785598	rs57078550	T	C	0.215	0.032	0.159	1.18E-11	0.039	0.017	0.021	0.012	45.986	TRUE	1.16E-10
Allergic asthma	WDR6	cg05785598	rs73082321	A	G	-0.566	0.086	0.020	5.90E-11	-0.159	0.078	0.043	0.011	42.829	TRUE	4.23E-10
Allergic asthma	WDR6	cg05785598	rs78807522	A	C	0.256	0.035	0.129	2.60E-13	-0.021	0.018	0.239	0.014	53.463	TRUE	1.22E-12
Allergic asthma	WDR6	cg05785598	rs9754878	G	A	-0.594	0.024	0.316	4.78E-133	-0.037	0.014	0.010	0.140	602.178	TRUE	1.60E-121
Allergic asthma	WDR6	cg07636037	rs112978264	C	T	0.358	0.064	0.040	2.23E-08	0.032	0.042	0.442	0.008	31.267	TRUE	4.96E-08
Allergic asthma	WDR6	cg07636037	rs114738417	A	G	0.456	0.061	0.039	9.37E-14	-0.071	0.056	0.202	0.015	55.465	TRUE	5.03E-13
Allergic asthma	WDR6	cg07636037	rs114970491	T	C	0.380	0.059	0.046	1.13E-10	0.088	0.045	0.050	0.011	41.559	TRUE	7.42E-10
Allergic asthma	WDR6	cg07636037	rs116009376	C	G	0.396	0.057	0.052	2.64E-12	0.049	0.033	0.137	0.013	48.916	TRUE	1.45E-11
Allergic asthma	WDR6	cg07636037	rs11715932	A	C	0.259	0.023	0.469	2.24E-28	-0.023	0.014	0.101	0.032	121.992	TRUE	8.90E-27
Allergic asthma	WDR6	cg07636037	rs143928419	A	G	-0.555	0.053	0.054	7.06E-26	-0.029	0.022	0.183	0.029	110.590	TRUE	1.43E-24
Allergic asthma	WDR6	cg07636037	rs146231194	T	C	-0.519	0.035	0.115	1.20E-48	-0.023	0.021	0.266	0.055	214.738	TRUE	2.92E-46
Allergic asthma	WDR6	cg07636037	rs2334956	A	C	0.395	0.033	0.140	5.82E-33	-0.011	0.017	0.529	0.037	142.942	TRUE	1.00E-31
Allergic asthma	WDR6	cg07636037	rs34045152	T	G	-0.419	0.048	0.061	3.16E-18	-0.036	0.024	0.128	0.020	75.746	TRUE	3.42E-17
Allergic asthma	WDR6	cg07636037	rs35917071	A	T	0.299	0.038	0.108	1.91E-15	0.000	0.022	0.988	0.017	63.123	TRUE	3.72E-15
Allergic asthma	WDR6	cg07636037	rs55786114	T	C	-0.703	0.048	0.058	2.12E-49	0.012	0.032	0.699	0.056	218.184	TRUE	1.64E-47
Allergic asthma	WDR6	cg07636037	rs558692244	A	G	-0.591	0.104	0.017	1.44E-08	0.058	0.148	0.697	0.009	32.113	TRUE	2.52E-08
Allergic asthma	WDR6	cg07636037	rs6442126	T	A	0.356	0.024	0.354	4.19E-49	0.030	0.014	0.035	0.055	216.831	TRUE	5.86E-46
Allergic asthma	WDR6	cg07636037	rs6792510	G	C	-0.913	0.020	0.330	<1E-200	-0.034	0.014	0.018	0.370	2171.036	TRUE	<1E-200
Allergic asthma	WDR6	cg07636037	rs71324978	C	T	0.193	0.023	0.498	1.92E-16	0.006	0.014	0.647	0.018	67.642	TRUE	6.13E-16
Allergic asthma	WDR6	cg07636037	rs73074869	A	G	-0.636	0.086	0.019	1.29E-13	-0.177	0.086	0.039	0.015	54.836	TRUE	1.34E-12
Allergic asthma	WDR6	cg07636037	rs75654367	T	C	0.326	0.046	0.077	1.41E-12	0.028	0.027	0.309	0.013	50.144	TRUE	5.42E-12
Allergic asthma	WDR6	cg07636037	rs75760739	C	T	-0.739	0.075	0.026	4.53E-23	-0.108	0.044	0.015	0.026	97.790	TRUE	2.38E-21
Allergic asthma	WDR6	cg07636037	rs7615170	C	G	0.388	0.043	0.079	1.72E-19	0.004	0.032	0.896	0.022	81.498	TRUE	4.88E-19
Allergic asthma	WDR6	cg20833759	rs116781994	A	G	-0.705	0.106	0.013	3.61E-11	-0.087	0.070	0.214	0.012	43.789	TRUE	1.46E-10
Allergic asthma	WDR6	cg20833759	rs144275801	T	C	-0.744	0.067	0.027	5.22E-29	-0.025	0.031	0.420	0.033	124.882	TRUE	7.59E-28
Allergic asthma	WDR6	cg20833759	rs1961527	G	A	0.244	0.030	0.185	1.34E-16	0.006	0.018	0.728	0.018	68.353	TRUE	3.88E-16
Allergic asthma	WDR6	cg20833759	rs2230593	T	C	-0.444	0.048	0.062	3.69E-20	-0.011	0.035	0.764	0.022	84.535	TRUE	1.32E-19
Allergic asthma	WDR6	cg20833759	rs2334956	A	C	0.227	0.033	0.140	1.09E-11	-0.011	0.017	0.529	0.012	46.132	TRUE	2.84E-11
Allergic asthma	WDR6	cg20833759	rs34045152	T	G	-0.361	0.048	0.061	9.12E-14	-0.036	0.024	0.128	0.015	55.517	TRUE	6.07E-13
Allergic asthma	WDR6	cg20833759	rs35917071	A	T	0.252	0.038	0.108	3.00E-11	0.000	0.022	0.988	0.012	44.153	TRUE	4.63E-11
Allergic asthma	WDR6	cg20833759	rs56116382	C	A	0.190	0.031	0.179	5.66E-10	-0.030	0.017	0.071	0.010	38.413	TRUE	3.04E-09
Allergic asthma	WDR6	cg20833759	rs6442126	T	A	0.258	0.024	0.354	5.77E-26	0.030	0.014	0.035	0.029	110.989	TRUE	3.03E-24
Allergic asthma	WDR6	cg20833759	rs6787500	C	T	0.218	0.024	0.362	5.72E-19	-0.013	0.016	0.409	0.021	79.120	TRUE	3.25E-18
Allergic asthma	WDR6	cg20833759	rs7100	A	G	-0.897	0.025	0.206	6.89E-288	-0.022	0.017	0.175	0.262	1314.084	TRUE	4.22E-253
Allergic asthma	WDR6	cg20833759	rs71324946	A	G	0.264	0.026	0.280	2.75E-24	0.030	0.017	0.083	0.027	103.338	TRUE	7.51E-23
Allergic asthma	XBP1	cg00651286	rs117830237	A	G	0.311	0.056	0.047	2.73E-08	-0.016	0.028	0.566	0.008	30.874	TRUE	5.30E-08
Allergic asthma	XBP1	cg00651286	rs12170705	T	C	-0.179	0.023	0.462	1.44E-14	0.021	0.014	0.118	0.016	59.144	TRUE	1.08E-13

Allergic asthma	XBP1	cg00651286	rs135641	T	A	0.785	0.070	0.026	3.74E-29	-0.039	0.056	0.483	0.033	125.541	TRUE	4.82E-28
Allergic asthma	XBP1	cg00651286	rs41382448	C	G	0.566	0.058	0.044	8.70E-23	0.025	0.032	0.437	0.025	96.498	TRUE	6.64E-22
Allergic asthma	XBP1	cg00651286	rs6005752	G	C	0.175	0.025	0.312	3.88E-12	0.025	0.014	0.083	0.013	48.160	TRUE	2.56E-11
Allergic asthma	XBP1	cg00651286	rs74720230	C	A	0.513	0.060	0.045	7.02E-18	-0.027	0.034	0.431	0.020	74.171	TRUE	3.49E-17
Allergic asthma	XBP1	cg00651286	rs80338436	A	G	1.413	0.049	0.055	1.24E-181	-0.020	0.027	0.459	0.182	825.481	TRUE	3.92E-166
Allergic asthma	XBP1	cg11188618	rs73399615	A	G	0.393	0.052	0.055	4.74E-14	-0.021	0.027	0.441	0.015	56.804	TRUE	1.67E-13
Allergic asthma	XBP1	cg18940763	rs2881496	C	G	-0.420	0.036	0.126	7.09E-32	0.064	0.017	2.21E-04	0.036	137.981	TRUE	6.87E-29
Allergic asthma	XBP1	cg18940763	rs5752855	A	T	-0.167	0.026	0.295	1.19E-10	0.012	0.014	0.411	0.011	41.460	TRUE	3.31E-10
Allergic asthma	XBP1	cg18940763	rs79624583	T	C	-0.381	0.068	0.029	1.89E-08	-0.029	0.052	0.578	0.008	31.591	TRUE	3.66E-08
Allergic asthma	YWHAB	cg10774185	rs7265519	T	C	0.160	0.026	0.260	7.58E-10	-0.041	0.016	0.010	0.010	37.846	TRUE	6.91E-09
Allergic asthma	YWHAB	cg15324310	rs4812874	A	G	-0.146	0.025	0.278	7.97E-09	-0.001	0.015	0.934	0.009	33.265	TRUE	1.14E-08
Allergic asthma	YWHAB	cg15324310	rs6031848	C	T	0.323	0.026	0.263	1.04E-36	-0.041	0.016	0.010	0.041	160.089	TRUE	4.60E-34
Allergic asthma	ZNF205	cg02512168	rs114826089	T	G	0.246	0.037	0.112	3.81E-11	0.002	0.021	0.910	0.012	43.683	TRUE	6.33E-11
Allergic asthma	ZNF205	cg02512168	rs11639707	A	T	0.309	0.052	0.052	3.00E-09	0.003	0.040	0.937	0.009	35.163	TRUE	4.39E-09
Allergic asthma	ZNF205	cg02512168	rs1235939	C	T	0.196	0.029	0.199	3.16E-11	-0.009	0.019	0.661	0.012	44.051	TRUE	6.82E-11
Allergic asthma	ZNF205	cg02512168	rs170380	T	C	-0.229	0.023	0.496	1.71E-22	0.014	0.014	0.306	0.025	95.165	TRUE	1.68E-21
Allergic asthma	ZNF205	cg02512168	rs2002341	A	G	0.538	0.023	0.419	1.79E-116	-0.042	0.014	0.003	0.125	526.029	TRUE	2.01E-106
Allergic asthma	ZNF205	cg02512168	rs2741911	G	C	-0.241	0.041	0.086	6.22E-09	-0.012	0.023	0.601	0.009	33.745	TRUE	1.22E-08
Allergic asthma	ZNF205	cg04645063	rs224177	T	C	-0.160	0.024	0.382	2.18E-11	0.028	0.014	0.041	0.012	44.773	TRUE	1.69E-10
Allergic asthma	ZNF205	cg05112582	rs11641749	G	A	0.373	0.024	0.418	1.64E-55	-0.042	0.014	0.003	0.062	246.200	TRUE	3.01E-51
Allergic asthma	ZNF205	cg05112582	rs56161091	A	G	-0.287	0.043	0.087	1.62E-11	0.026	0.025	0.284	0.012	45.363	TRUE	5.89E-11
Allergic asthma	ZNF205	cg05225996	rs1149487	T	C	0.246	0.029	0.203	1.90E-17	-0.006	0.019	0.730	0.019	72.202	TRUE	5.85E-17
Allergic asthma	ZNF205	cg05225996	rs11639707	A	T	0.395	0.052	0.052	3.46E-14	0.003	0.040	0.937	0.015	57.423	TRUE	6.64E-14
Allergic asthma	ZNF205	cg05225996	rs170380	T	C	-0.384	0.023	0.496	1.32E-61	0.014	0.014	0.306	0.069	274.136	TRUE	1.83E-58
Allergic asthma	ZNF205	cg05225996	rs1810409	A	G	-0.221	0.039	0.216	1.05E-08	0.021	0.016	0.203	0.009	32.729	TRUE	3.38E-08
Allergic asthma	ZNF205	cg05225996	rs2002341	A	G	0.677	0.023	0.419	4.66E-191	-0.042	0.014	0.003	0.190	868.817	TRUE	5.52E-171
Allergic asthma	ZNF205	cg05225996	rs224199	T	C	-0.323	0.059	0.075	4.51E-08	-0.027	0.027	0.313	0.008	29.900	TRUE	1.14E-07
Allergic asthma	ZNF205	cg05225996	rs72774459	T	G	0.380	0.039	0.101	2.30E-22	0.002	0.021	0.933	0.025	94.570	TRUE	7.66E-22
Allergic asthma	ZNF205	cg05226462	rs1076573	G	T	0.355	0.026	0.272	7.31E-42	-0.017	0.016	0.282	0.047	183.664	TRUE	6.83E-40
Allergic asthma	ZNF205	cg05226462	rs11077322	C	T	-0.193	0.024	0.434	6.55E-16	-0.006	0.014	0.684	0.017	65.229	TRUE	1.91E-15
Allergic asthma	ZNF205	cg05226462	rs2037984	C	T	0.270	0.044	0.080	1.23E-09	0.010	0.025	0.704	0.010	36.904	TRUE	2.28E-09
Allergic asthma	ZNF205	cg05226462	rs224197	G	A	0.328	0.036	0.115	1.66E-19	0.022	0.021	0.278	0.022	81.560	TRUE	1.31E-18
Allergic asthma	ZNF205	cg05226462	rs224198	T	C	-0.389	0.063	0.070	6.35E-10	-0.029	0.027	0.277	0.010	38.189	TRUE	2.02E-09
Allergic asthma	ZNF205	cg05226462	rs224231	T	C	0.171	0.024	0.444	6.84E-13	-0.006	0.014	0.656	0.014	51.562	TRUE	1.66E-12
Allergic asthma	ZNF205	cg05226462	rs760412	A	C	-0.248	0.025	0.344	6.05E-24	0.011	0.014	0.431	0.027	101.776	TRUE	5.21E-23
Allergic asthma	ZNF205	cg13928306	rs1076573	G	T	0.359	0.026	0.272	7.09E-43	-0.017	0.016	0.282	0.048	188.302	TRUE	7.54E-41
Allergic asthma	ZNF205	cg13928306	rs11077322	C	T	-0.214	0.024	0.434	3.15E-19	-0.006	0.014	0.684	0.021	80.297	TRUE	1.18E-18
Allergic asthma	ZNF205	cg13928306	rs178618	G	A	0.186	0.024	0.423	6.98E-15	-0.007	0.014	0.617	0.016	60.572	TRUE	2.06E-14
Allergic asthma	ZNF205	cg13928306	rs2142476	G	C	-0.202	0.025	0.344	2.10E-16	0.011	0.014	0.417	0.018	67.467	TRUE	9.41E-16
Allergic asthma	ZNF205	cg13928306	rs224197	G	A	0.449	0.036	0.115	1.77E-35	0.022	0.021	0.278	0.040	154.446	TRUE	7.72E-34
Allergic asthma	ZNF205	cg13928306	rs224198	T	C	-0.408	0.063	0.070	8.97E-11	-0.029	0.027	0.277	0.011	42.012	TRUE	3.09E-10
Allergic asthma	ZNF205	cg13928306	rs77260057	C	G	0.268	0.043	0.080	4.02E-10	0.007	0.022	0.751	0.010	39.081	TRUE	7.36E-10

Allergic asthma	ZNF205	cg13928306	rs909405	G	T	-0.812	0.021	0.385	<1E-200	0.030	0.014	0.026	0.287	1485.934	TRUE	5.10E-281
Allergic asthma	ZNF205	cg13928306	rs9928554	A	G	0.396	0.049	0.064	6.39E-16	0.007	0.023	0.759	0.017	65.278	TRUE	1.70E-15
Allergic asthma	ZNF205	cg26863821	rs11641749	G	A	-0.222	0.024	0.418	1.94E-20	-0.042	0.014	0.003	0.023	85.801	TRUE	1.25E-18
Allergic asthma	ZNF205	cg27419824	rs9931102	T	C	0.131	0.024	0.382	4.60E-08	0.028	0.014	0.036	0.008	29.861	TRUE	2.35E-07
Non-allergic asthma	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	-0.019	0.019	0.307	0.009	33.777	TRUE	1.75E-08
Non-allergic asthma	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	0.008	0.019	0.673	0.026	99.595	TRUE	1.02E-22
Non-allergic asthma	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	0.001	0.023	0.976	0.024	91.104	TRUE	4.07E-21
Non-allergic asthma	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	-0.024	0.018	0.172	0.023	85.706	TRUE	2.53E-19
Non-allergic asthma	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	-0.013	0.018	0.464	0.096	394.415	TRUE	6.88E-83
Non-allergic asthma	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	-0.017	0.019	0.359	0.012	45.752	TRUE	4.46E-11
Non-allergic asthma	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	-0.052	0.021	0.015	0.024	91.003	TRUE	6.65E-20
Non-allergic asthma	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	-0.023	0.018	0.217	0.166	735.001	TRUE	2.52E-148
Non-allergic asthma	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	0.039	0.032	0.232	0.021	80.430	TRUE	2.69E-18
Non-allergic asthma	ACSL1	cg01714284	rs11732302	C	T	0.552	0.081	0.022	1.22E-11	-0.060	0.059	0.306	0.012	45.921	TRUE	4.47E-11
Non-allergic asthma	ACSL1	cg01714284	rs13127985	C	T	0.255	0.024	0.390	8.92E-26	-0.011	0.016	0.502	0.029	110.128	TRUE	8.43E-25
Non-allergic asthma	ACSL1	cg01714284	rs2696051	G	T	-0.214	0.029	0.212	9.70E-14	-0.012	0.019	0.514	0.015	55.398	TRUE	3.11E-13
Non-allergic asthma	ACSL1	cg01714284	rs34653881	C	G	-0.162	0.027	0.260	2.64E-09	-0.024	0.020	0.225	0.009	35.413	TRUE	8.95E-09
Non-allergic asthma	ACSL1	cg01714284	rs7686479	C	T	-0.660	0.034	0.141	7.75E-85	-0.002	0.026	0.943	0.093	380.740	TRUE	8.06E-81
Non-allergic asthma	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	0.008	0.019	0.673	0.009	32.239	TRUE	2.46E-08
Non-allergic asthma	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	0.009	0.018	0.604	0.012	44.331	TRUE	6.49E-11
Non-allergic asthma	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	0.001	0.023	0.976	0.012	43.529	TRUE	6.51E-11
Non-allergic asthma	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	-0.002	0.026	0.954	0.019	72.679	TRUE	3.56E-17
Non-allergic asthma	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	-0.023	0.018	0.217	0.008	30.509	TRUE	1.01E-07
Non-allergic asthma	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	0.012	0.016	0.469	0.064	253.540	TRUE	1.86E-54
Non-allergic asthma	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	-0.026	0.016	0.108	0.011	42.716	TRUE	3.41E-10
Non-allergic asthma	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	0.008	0.019	0.673	0.010	38.437	TRUE	1.12E-09
Non-allergic asthma	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	-0.032	0.016	0.042	0.012	44.293	TRUE	2.22E-10
Non-allergic asthma	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	-0.009	0.020	0.642	0.020	74.207	TRUE	2.57E-17
Non-allergic asthma	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	-0.022	0.016	0.173	0.014	53.493	TRUE	1.48E-12
Non-allergic asthma	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	-0.009	0.065	0.888	0.010	36.790	TRUE	2.06E-09
Non-allergic asthma	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	-0.047	0.016	0.004	0.009	34.512	TRUE	4.40E-08
Non-allergic asthma	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	0.010	0.030	0.735	0.011	42.884	TRUE	1.15E-10
Non-allergic asthma	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	-0.048	0.020	0.019	0.064	251.555	TRUE	9.96E-53
Non-allergic asthma	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	-0.008	0.020	0.704	0.016	59.617	TRUE	3.04E-14
Non-allergic asthma	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	-0.006	0.016	0.725	0.017	63.888	TRUE	3.62E-15
Non-allergic asthma	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	0.002	0.022	0.917	0.022	82.999	TRUE	2.35E-19
Non-allergic asthma	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	0.008	0.019	0.673	0.009	34.235	TRUE	9.08E-09
Non-allergic asthma	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	-0.023	0.018	0.216	0.072	284.859	TRUE	2.16E-60
Non-allergic asthma	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	-0.026	0.016	0.108	0.014	51.736	TRUE	4.30E-12
Non-allergic asthma	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	0.046	0.017	0.005	0.016	59.829	TRUE	2.51E-13
Non-allergic asthma	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	-0.031	0.017	0.060	0.010	37.355	TRUE	5.64E-09
Non-allergic asthma	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	-0.034	0.018	0.062	0.008	31.397	TRUE	9.99E-08

Non-allergic asthma	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	-0.029	0.016	0.071	0.014	52.455	TRUE	3.60E-12
Non-allergic asthma	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	0.004	0.023	0.873	0.008	29.901	TRUE	6.65E-08
Non-allergic asthma	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	-0.022	0.016	0.173	0.019	72.925	TRUE	1.21E-16
Non-allergic asthma	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	0.002	0.017	0.908	0.012	43.708	TRUE	6.38E-11
Non-allergic asthma	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	0.021	0.020	0.315	0.016	58.274	TRUE	1.05E-13
Non-allergic asthma	ACSL1	cg27112742	rs67469410	T	A	-0.207	0.032	0.164	2.08E-10	-0.050	0.020	0.014	0.011	40.367	TRUE	2.04E-09
Non-allergic asthma	ACSL1	cg27112742	rs72689214	C	G	-0.233	0.031	0.179	2.45E-14	0.012	0.021	0.584	0.015	58.099	TRUE	7.50E-14
Non-allergic asthma	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	-0.008	0.020	0.690	0.075	300.418	TRUE	2.75E-64
Non-allergic asthma	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	0.018	0.016	0.275	0.017	64.683	TRUE	5.01E-15
Non-allergic asthma	ACSL6	cg02257405	rs10059315	A	G	0.388	0.067	0.029	7.42E-09	0.051	0.071	0.478	0.009	33.403	TRUE	1.69E-08
Non-allergic asthma	ACSL6	cg19096799	rs10080188	A	T	0.321	0.058	0.039	3.09E-08	0.045	0.051	0.377	0.008	30.633	TRUE	7.52E-08
Non-allergic asthma	ALDH16A1	cg15388895	rs12975598	A	G	0.230	0.023	0.413	1.01E-22	-0.002	0.016	0.918	0.025	96.209	TRUE	3.65E-22
Non-allergic asthma	ALOX5	cg01464748	rs11239564	C	A	-0.172	0.027	0.238	1.06E-10	-0.026	0.020	0.182	0.011	41.686	TRUE	4.55E-10
Non-allergic asthma	ALOX5	cg02070873	rs112294514	A	G	0.490	0.084	0.020	4.87E-09	-0.017	0.054	0.760	0.009	34.224	TRUE	8.41E-09
Non-allergic asthma	ALOX5	cg02070873	rs117076733	C	T	0.568	0.102	0.011	2.81E-08	0.023	0.064	0.719	0.008	30.817	TRUE	4.81E-08
Non-allergic asthma	ALOX5	cg02070873	rs2050783	C	T	0.403	0.032	0.157	3.72E-36	0.043	0.021	0.046	0.041	157.548	TRUE	7.43E-34
Non-allergic asthma	ALOX5	cg02070873	rs61854124	C	T	0.294	0.032	0.161	1.64E-20	0.020	0.019	0.290	0.023	86.142	TRUE	1.46E-19
Non-allergic asthma	ALOX5	cg02070873	rs61855770	A	G	-0.149	0.024	0.362	8.57E-10	0.007	0.017	0.665	0.010	37.606	TRUE	1.71E-09
Non-allergic asthma	ALOX5	cg05026102	rs1970402	C	T	0.306	0.047	0.067	9.99E-11	0.088	0.028	0.002	0.011	41.801	TRUE	1.73E-09
Non-allergic asthma	ALOX5	cg06935264	rs11239532	T	C	0.179	0.031	0.178	5.80E-09	0.020	0.019	0.289	0.009	33.881	TRUE	1.71E-08
Non-allergic asthma	ALOX5	cg07355189	rs61852601	G	T	-0.149	0.024	0.493	2.92E-10	0.022	0.016	0.160	0.011	39.703	TRUE	1.26E-09
Non-allergic asthma	ALOX5	cg07355189	rs7074524	G	A	-0.367	0.027	0.235	3.27E-43	-0.026	0.020	0.191	0.049	189.841	TRUE	5.91E-41
Non-allergic asthma	ALOX5	cg09832911	rs11239564	C	A	-0.265	0.027	0.238	2.70E-23	-0.026	0.020	0.182	0.026	98.812	TRUE	4.45E-22
Non-allergic asthma	ALOX5	cg09832911	rs4948948	T	G	-0.138	0.024	0.467	5.07E-09	0.023	0.016	0.143	0.009	34.143	TRUE	1.99E-08
Non-allergic asthma	ALOX5	cg10520070	rs4949003	A	G	0.159	0.026	0.252	6.26E-10	-0.027	0.020	0.174	0.010	38.218	TRUE	2.52E-09
Non-allergic asthma	ALOX5	cg10909790	rs11239591	A	G	0.159	0.027	0.233	2.98E-09	-0.020	0.019	0.306	0.009	35.181	TRUE	8.75E-09
Non-allergic asthma	ALOX5	cg15590007	rs10900143	C	T	0.205	0.033	0.150	8.76E-10	0.011	0.022	0.632	0.010	37.563	TRUE	1.81E-09
Non-allergic asthma	ALOX5	cg15590007	rs11239364	C	A	-0.264	0.024	0.410	8.45E-29	-0.019	0.016	0.238	0.032	123.926	TRUE	2.12E-27
Non-allergic asthma	ALOX5	cg15590007	rs11239542	T	C	-0.268	0.030	0.168	3.22E-19	0.034	0.024	0.158	0.021	80.252	TRUE	3.69E-18
Non-allergic asthma	ALOX5	cg15590007	rs117190450	C	T	0.941	0.132	0.021	8.88E-13	0.000	0.104	0.999	0.014	51.051	TRUE	1.50E-12
Non-allergic asthma	ALOX5	cg15590007	rs117719497	C	A	0.792	0.109	0.013	3.22E-13	0.034	0.099	0.732	0.014	53.038	TRUE	7.55E-13
Non-allergic asthma	ALOX5	cg15590007	rs11817356	A	G	-0.144	0.024	0.410	1.65E-09	-0.002	0.017	0.897	0.010	36.328	TRUE	2.58E-09
Non-allergic asthma	ALOX5	cg15590007	rs12781186	G	A	-0.421	0.046	0.064	7.93E-20	0.014	0.029	0.628	0.022	83.024	TRUE	3.53E-19
Non-allergic asthma	ALOX5	cg15590007	rs1888983	C	T	0.239	0.026	0.291	3.90E-20	0.015	0.018	0.409	0.022	84.426	TRUE	2.60E-19
Non-allergic asthma	ALOX5	cg15590007	rs2310783	C	G	0.700	0.030	0.178	1.97E-123	0.019	0.019	0.299	0.131	557.997	TRUE	1.01E-114
Non-allergic asthma	ALOX5	cg15590007	rs3928069	C	T	0.748	0.035	0.134	2.06E-102	0.040	0.023	0.075	0.111	461.442	TRUE	4.85E-95
Non-allergic asthma	ALOX5	cg15590007	rs4363546	A	C	-0.191	0.024	0.417	6.20E-16	0.002	0.018	0.902	0.017	65.338	TRUE	1.42E-15
Non-allergic asthma	ALOX5	cg15590007	rs4948646	T	C	0.231	0.029	0.218	8.76E-16	0.011	0.017	0.503	0.017	64.656	TRUE	3.38E-15
Non-allergic asthma	ALOX5	cg15590007	rs4948910	C	T	0.155	0.027	0.247	1.04E-08	0.030	0.017	0.079	0.009	32.746	TRUE	4.81E-08
Non-allergic asthma	ALOX5	cg15590007	rs4948921	A	G	0.196	0.035	0.128	2.95E-08	0.029	0.023	0.208	0.008	30.720	TRUE	9.26E-08
Non-allergic asthma	ALOX5	cg15590007	rs72796499	G	A	1.070	0.124	0.017	5.99E-18	-0.313	0.189	0.098	0.020	74.483	TRUE	7.69E-17
Non-allergic asthma	ALOX5	cg15590007	rs76852561	T	C	0.924	0.106	0.015	2.25E-18	-0.012	0.059	0.837	0.020	76.417	TRUE	6.62E-18

Non-allergic asthma	ALOX5	cg16831085	rs7089063	A	C	0.166	0.027	0.241	9.85E-10	0.020	0.017	0.237	0.010	37.335	TRUE	3.41E-09
Non-allergic asthma	ALOX5	cg23054840	rs112294514	A	G	0.502	0.084	0.020	2.17E-09	-0.017	0.054	0.760	0.010	35.797	TRUE	3.83E-09
Non-allergic asthma	ALOX5	cg23054840	rs11239540	C	T	-0.191	0.032	0.154	3.85E-09	0.023	0.019	0.240	0.009	34.681	TRUE	1.25E-08
Non-allergic asthma	ALOX5	cg23054840	rs11239564	C	A	0.503	0.026	0.238	1.48E-81	-0.026	0.020	0.182	0.090	365.676	TRUE	1.50E-76
Non-allergic asthma	ALOX5	cg23054840	rs12414122	T	C	-0.180	0.030	0.169	2.04E-09	0.035	0.024	0.145	0.010	35.920	TRUE	8.33E-09
Non-allergic asthma	ALOX5	cg23054840	rs4948656	C	T	0.205	0.024	0.465	4.88E-18	0.025	0.016	0.110	0.020	74.890	TRUE	5.96E-17
Non-allergic asthma	ALOX5	cg23054840	rs72782417	G	A	0.291	0.050	0.054	7.84E-09	-0.044	0.033	0.174	0.009	33.295	TRUE	2.81E-08
Non-allergic asthma	ALOX5	cg23084016	rs10751373	A	G	0.303	0.024	0.468	7.47E-38	0.025	0.016	0.120	0.043	165.313	TRUE	9.73E-36
Non-allergic asthma	ALOX5	cg23084016	rs10900142	T	G	0.200	0.034	0.131	3.25E-09	0.023	0.029	0.431	0.009	35.008	TRUE	8.05E-09
Non-allergic asthma	ALOX5	cg23084016	rs111623877	G	C	-0.211	0.030	0.184	9.09E-13	0.028	0.019	0.146	0.014	51.005	TRUE	5.37E-12
Non-allergic asthma	ALOX5	cg23084016	rs11239564	C	A	0.722	0.026	0.238	3.93E-176	-0.026	0.020	0.182	0.178	800.202	TRUE	2.04E-160
Non-allergic asthma	ALOX5	cg23084016	rs12414122	T	C	-0.360	0.030	0.169	1.33E-33	0.035	0.024	0.145	0.038	145.868	TRUE	8.72E-32
Non-allergic asthma	ALOX5	cg23084016	rs141914431	A	G	0.600	0.071	0.027	2.09E-17	-0.104	0.086	0.229	0.019	72.021	TRUE	1.59E-16
Non-allergic asthma	ALOX5	cg23084016	rs75345240	A	G	0.403	0.058	0.043	2.60E-12	-0.010	0.042	0.806	0.013	48.940	TRUE	5.27E-12
Non-allergic asthma	ALOX5	cg24302529	rs11239542	T	C	0.209	0.030	0.168	3.23E-12	0.034	0.024	0.158	0.013	48.515	TRUE	1.74E-11
Non-allergic asthma	ALOX5	cg24302529	rs11239564	C	A	-0.562	0.026	0.238	8.64E-103	-0.026	0.020	0.182	0.111	463.174	TRUE	7.27E-96
Non-allergic asthma	ALOX5	cg24302529	rs17768548	C	T	0.262	0.043	0.163	1.39E-09	-0.009	0.021	0.667	0.010	36.660	TRUE	2.73E-09
Non-allergic asthma	ALOX5	cg24302529	rs34960345	T	C	0.635	0.046	0.064	1.13E-43	0.017	0.029	0.566	0.049	191.963	TRUE	6.47E-42
Non-allergic asthma	ALOX5	cg24302529	rs4948953	A	G	-0.339	0.024	0.409	2.73E-46	0.025	0.016	0.126	0.052	203.938	TRUE	1.10E-43
Non-allergic asthma	ALOX5	cg24302529	rs60086741	C	T	-0.339	0.051	0.055	2.80E-11	-0.059	0.044	0.183	0.012	44.289	TRUE	1.28E-10
Non-allergic asthma	ALOX5	cg26291600	rs10793588	G	A	-0.146	0.024	0.465	5.61E-10	0.025	0.016	0.109	0.010	38.432	TRUE	2.72E-09
Non-allergic asthma	ALOX5	cg26291600	rs7074524	G	A	-0.248	0.027	0.235	1.27E-20	-0.026	0.020	0.191	0.023	86.648	TRUE	1.51E-19
Non-allergic asthma	ALOX5	cg27243389	rs11239532	T	C	0.214	0.030	0.178	1.64E-12	0.020	0.019	0.289	0.013	49.846	TRUE	6.76E-12
Non-allergic asthma	ALOX5	cg27243389	rs3844163	A	G	0.219	0.035	0.135	4.60E-10	0.039	0.023	0.084	0.010	38.819	TRUE	2.47E-09
Non-allergic asthma	AP1G1	cg05493952	rs8058188	G	A	-0.160	0.027	0.264	2.96E-09	0.005	0.017	0.757	0.009	35.192	TRUE	5.20E-09
Non-allergic asthma	AP1G1	cg10085824	rs11075901	A	C	-0.259	0.031	0.169	1.79E-16	-0.003	0.023	0.883	0.018	67.788	TRUE	4.34E-16
Non-allergic asthma	AP1G1	cg10085824	rs11649535	G	A	-0.216	0.032	0.165	1.21E-11	0.042	0.020	0.038	0.012	45.925	TRUE	1.05E-10
Non-allergic asthma	AP1G1	cg10085824	rs2270832	A	G	0.443	0.024	0.353	7.52E-77	-0.036	0.016	0.025	0.085	344.077	TRUE	2.28E-71
Non-allergic asthma	AP1G1	cg10085824	rs4788541	T	C	0.182	0.025	0.355	2.64E-13	0.008	0.017	0.658	0.014	53.430	TRUE	6.79E-13
Non-allergic asthma	AP1G1	cg10085824	rs62055044	T	G	0.311	0.054	0.049	7.44E-09	0.035	0.034	0.307	0.009	33.397	TRUE	2.11E-08
Non-allergic asthma	AP1G1	cg10085824	rs6558	C	G	-0.216	0.035	0.134	6.08E-10	0.004	0.027	0.880	0.010	38.274	TRUE	9.89E-10
Non-allergic asthma	AP1G1	cg10085824	rs7203606	C	A	-0.204	0.033	0.141	7.32E-10	-0.028	0.029	0.326	0.010	37.914	TRUE	2.21E-09
Non-allergic asthma	AP1G1	cg10085824	rs806735	T	C	0.192	0.029	0.196	7.02E-11	-0.025	0.018	0.174	0.011	42.492	TRUE	3.13E-10
Non-allergic asthma	AP1G1	cg10085824	rs9940728	A	C	0.152	0.024	0.481	1.26E-10	-0.018	0.016	0.252	0.011	41.347	TRUE	4.64E-10
Non-allergic asthma	AP1G1	cg10407113	rs9932707	C	A	0.184	0.023	0.455	3.52E-15	-0.028	0.016	0.074	0.016	61.917	TRUE	3.69E-14
Non-allergic asthma	AP1G1	cg13701124	rs35981926	T	A	0.234	0.034	0.131	8.85E-12	0.001	0.026	0.973	0.012	46.542	TRUE	1.45E-11
Non-allergic asthma	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	-0.040	0.035	0.255	0.014	53.476	TRUE	1.23E-12
Non-allergic asthma	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	-0.004	0.016	0.801	0.014	51.210	TRUE	1.72E-12
Non-allergic asthma	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	0.007	0.016	0.677	0.017	65.306	TRUE	1.92E-15
Non-allergic asthma	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	0.097	0.041	0.018	0.014	51.552	TRUE	9.02E-12
Non-allergic asthma	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	-0.007	0.024	0.786	0.024	92.082	TRUE	3.33E-21
Non-allergic asthma	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	-0.013	0.020	0.532	0.009	33.796	TRUE	1.31E-08

Non-allergic asthma	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	0.007	0.047	0.882	0.011	42.261	TRUE	1.35E-10
Non-allergic asthma	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	0.028	0.036	0.431	0.014	52.151	TRUE	1.73E-12
Non-allergic asthma	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	-0.026	0.023	0.250	0.010	37.052	TRUE	3.82E-09
Non-allergic asthma	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	0.021	0.039	0.591	0.037	142.831	TRUE	9.95E-32
Non-allergic asthma	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	-0.034	0.050	0.495	0.025	93.851	TRUE	2.27E-21
Non-allergic asthma	AP3B2	cg18253757	rs4513065	G	C	0.174	0.030	0.198	4.93E-09	-0.026	0.023	0.249	0.009	34.197	TRUE	1.56E-08
Non-allergic asthma	AP3B2	cg18253757	rs62009945	A	T	-0.145	0.025	0.309	1.07E-08	0.003	0.017	0.874	0.009	32.690	TRUE	1.63E-08
Non-allergic asthma	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	-0.003	0.019	0.876	0.008	29.857	TRUE	6.79E-08
Non-allergic asthma	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	0.007	0.016	0.677	0.015	56.581	TRUE	1.40E-13
Non-allergic asthma	AP3B2	cg20194856	rs4513065	G	C	0.197	0.029	0.198	2.53E-11	-0.026	0.023	0.249	0.012	44.483	TRUE	1.00E-10
Non-allergic asthma	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	0.008	0.017	0.634	0.008	29.766	TRUE	8.80E-08
Non-allergic asthma	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	0.009	0.021	0.685	0.017	62.195	TRUE	8.77E-15
Non-allergic asthma	AP3B2	cg21071896	rs12902742	A	T	0.442	0.043	0.082	2.99E-25	-0.007	0.023	0.749	0.028	107.728	TRUE	1.74E-24
Non-allergic asthma	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	-0.067	0.050	0.187	0.113	469.497	TRUE	4.00E-97
Non-allergic asthma	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	-0.046	0.044	0.293	0.021	79.528	TRUE	3.57E-18
Non-allergic asthma	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	-0.019	0.018	0.301	0.010	36.068	TRUE	5.70E-09
Non-allergic asthma	AP3B2	cg21071896	rs7184045	C	G	0.231	0.025	0.340	1.72E-20	-0.048	0.017	0.006	0.023	86.038	TRUE	1.00E-18
Non-allergic asthma	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	0.039	0.027	0.153	0.016	59.989	TRUE	6.73E-14
Non-allergic asthma	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	0.009	0.021	0.685	0.013	48.151	TRUE	8.93E-12
Non-allergic asthma	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	-0.027	0.025	0.264	0.018	67.773	TRUE	1.14E-15
Non-allergic asthma	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	0.010	0.017	0.552	0.013	47.149	TRUE	1.72E-11
Non-allergic asthma	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	0.009	0.021	0.685	0.020	74.575	TRUE	2.02E-17
Non-allergic asthma	ATG9B	cg02027878	rs2566511	T	C	0.186	0.027	0.245	8.14E-12	0.002	0.017	0.912	0.012	46.706	TRUE	1.43E-11
Non-allergic asthma	ATG9B	cg09519327	rs2853795	G	A	0.182	0.031	0.172	2.64E-09	-0.004	0.018	0.807	0.009	35.414	TRUE	4.43E-09
Non-allergic asthma	ATG9B	cg09519327	rs3918184	T	C	-0.167	0.024	0.370	5.17E-12	-0.010	0.017	0.576	0.013	47.597	TRUE	1.34E-11
Non-allergic asthma	ATG9B	cg15183092	rs3918184	T	C	-0.140	0.024	0.370	9.94E-09	-0.010	0.017	0.576	0.009	32.835	TRUE	2.01E-08
Non-allergic asthma	ATP10B	cg00308503	rs111573262	G	A	-0.240	0.044	0.077	4.50E-08	0.006	0.026	0.813	0.008	29.906	TRUE	6.99E-08
Non-allergic asthma	ATP10B	cg01559502	rs66849773	C	G	0.284	0.039	0.100	5.90E-13	-0.019	0.020	0.343	0.014	51.851	TRUE	2.30E-12
Non-allergic asthma	ATP10B	cg01779806	rs4302627	C	T	0.177	0.031	0.176	8.15E-09	-0.055	0.023	0.016	0.009	33.221	TRUE	5.95E-08
Non-allergic asthma	ATP10B	cg02400308	rs4921308	C	A	-0.135	0.024	0.470	1.10E-08	-0.027	0.016	0.089	0.009	32.642	TRUE	4.87E-08
Non-allergic asthma	ATP10B	cg02400308	rs6556498	A	G	-0.143	0.023	0.500	7.58E-10	-0.010	0.016	0.521	0.010	37.844	TRUE	1.77E-09
Non-allergic asthma	ATP10B	cg02543268	rs17058247	T	C	0.210	0.024	0.347	7.61E-18	-0.027	0.016	0.095	0.020	74.013	TRUE	9.75E-17
Non-allergic asthma	ATP10B	cg02543268	rs55654454	T	G	0.209	0.034	0.134	8.49E-10	-0.016	0.027	0.553	0.010	37.625	TRUE	1.91E-09
Non-allergic asthma	ATP10B	cg06805940	rs1477281	T	C	-0.249	0.034	0.134	2.22E-13	-0.014	0.026	0.581	0.014	53.767	TRUE	6.34E-13
Non-allergic asthma	ATP10B	cg09705798	rs59702710	C	A	0.165	0.030	0.193	4.87E-08	-0.021	0.021	0.316	0.008	29.753	TRUE	1.26E-07
Non-allergic asthma	ATP10B	cg13629358	rs12519408	T	C	-0.137	0.024	0.493	8.41E-09	-0.016	0.016	0.302	0.009	33.160	TRUE	2.39E-08
Non-allergic asthma	ATP10B	cg13629358	rs13159151	T	G	0.130	0.024	0.465	4.64E-08	-0.019	0.016	0.252	0.008	29.847	TRUE	1.32E-07
Non-allergic asthma	ATP10B	cg13629358	rs140011304	T	C	0.541	0.085	0.018	2.49E-10	-0.034	0.057	0.545	0.011	40.015	TRUE	5.89E-10
Non-allergic asthma	ATP10B	cg13629358	rs151003482	A	G	0.600	0.101	0.019	2.63E-09	0.101	0.101	0.317	0.009	35.420	TRUE	7.65E-09
Non-allergic asthma	ATP10B	cg13629358	rs4921308	C	A	0.130	0.024	0.470	4.76E-08	-0.027	0.016	0.089	0.008	29.797	TRUE	1.95E-07
Non-allergic asthma	ATP10B	cg13629358	rs6556513	T	G	0.628	0.034	0.135	6.74E-77	-0.015	0.019	0.426	0.085	344.297	TRUE	8.68E-73
Non-allergic asthma	ATP10B	cg20963030	rs10036919	A	G	-0.202	0.025	0.311	1.05E-15	-0.019	0.017	0.279	0.017	64.294	TRUE	6.01E-15

Non-allergic asthma	ATP10B	cg20963030	rs10054068	C	T	-0.197	0.028	0.234	1.23E-12	-0.005	0.018	0.770	0.013	50.409	TRUE	2.65E-12
Non-allergic asthma	ATP10B	cg20963030	rs10475689	G	A	0.757	0.098	0.017	1.25E-14	0.025	0.054	0.650	0.016	59.430	TRUE	3.57E-14
Non-allergic asthma	ATP10B	cg20963030	rs10515816	A	G	0.718	0.030	0.175	4.10E-127	-0.051	0.023	0.024	0.135	574.913	TRUE	1.61E-116
Non-allergic asthma	ATP10B	cg20963030	rs11742523	A	G	0.778	0.076	0.022	6.32E-25	-0.104	0.085	0.221	0.028	106.249	TRUE	1.09E-23
Non-allergic asthma	ATP10B	cg20963030	rs13188637	A	G	0.212	0.024	0.493	3.41E-19	-0.031	0.016	0.050	0.021	80.140	TRUE	6.98E-18
Non-allergic asthma	ATP10B	cg20963030	rs17057955	G	A	0.393	0.062	0.078	1.92E-10	-0.080	0.033	0.014	0.011	40.525	TRUE	1.86E-09
Non-allergic asthma	ATP10B	cg20963030	rs4479880	C	A	0.177	0.024	0.470	5.44E-14	-0.055	0.016	4.80E-04	0.015	56.534	TRUE	2.22E-12
Non-allergic asthma	ATP10B	cg20963030	rs79730257	T	C	0.544	0.076	0.064	9.76E-13	-0.020	0.030	0.499	0.014	50.865	TRUE	2.95E-12
Non-allergic asthma	ATP10B	cg20963030	rs9968676	C	G	-0.145	0.025	0.350	4.37E-09	0.031	0.016	0.062	0.009	34.433	TRUE	2.29E-08
Non-allergic asthma	ATP10B	cg22160263	rs116614867	A	G	-1.232	0.123	0.015	1.62E-23	0.070	0.055	0.202	0.026	99.826	TRUE	2.55E-22
Non-allergic asthma	ATP10B	cg24639117	rs11952862	C	A	0.308	0.023	0.458	2.28E-39	0.031	0.016	0.053	0.044	172.246	TRUE	6.57E-37
Non-allergic asthma	ATP10B	cg24639117	rs1432788	T	C	-0.321	0.044	0.072	4.62E-13	0.004	0.026	0.877	0.014	52.333	TRUE	9.06E-13
Non-allergic asthma	ATP10B	cg24639117	rs4479880	C	A	-0.144	0.023	0.470	9.61E-10	-0.055	0.016	4.80E-04	0.010	37.382	TRUE	1.76E-08
Non-allergic asthma	ATP10B	cg27141889	rs11950954	C	T	-0.201	0.031	0.172	1.16E-10	-0.015	0.023	0.520	0.011	41.512	TRUE	2.89E-10
Non-allergic asthma	ATP6V1C2	cg01089589	rs11902342	G	A	0.135	0.023	0.451	5.88E-09	0.042	0.016	0.008	0.009	33.856	TRUE	5.14E-08
Non-allergic asthma	ATP6V1C2	cg01089589	rs17455729	A	G	-0.888	0.041	0.077	3.69E-103	-0.001	0.023	0.955	0.112	464.871	TRUE	1.31E-97
Non-allergic asthma	ATP6V1C2	cg01089589	rs3856466	T	C	0.246	0.029	0.209	1.74E-17	0.014	0.020	0.480	0.019	72.381	TRUE	8.04E-17
Non-allergic asthma	ATP6V1C2	cg08352575	rs1318010	A	G	0.197	0.024	0.384	6.92E-16	0.033	0.017	0.055	0.017	65.120	TRUE	8.99E-15
Non-allergic asthma	ATP6V1C2	cg08352575	rs146004635	A	G	-0.751	0.061	0.037	5.09E-35	0.021	0.040	0.595	0.040	152.355	TRUE	1.02E-33
Non-allergic asthma	ATP6V1C2	cg08352575	rs150958118	T	C	-1.072	0.172	0.012	4.87E-10	0.015	0.090	0.869	0.010	38.708	TRUE	8.05E-10
Non-allergic asthma	ATP6V1C2	cg08352575	rs2969882	C	T	0.690	0.025	0.273	4.13E-168	0.043	0.018	0.019	0.171	763.329	TRUE	4.13E-152
Non-allergic asthma	ATP6V1C2	cg08352575	rs2969891	A	G	0.302	0.025	0.302	1.06E-33	-0.006	0.018	0.736	0.038	146.319	TRUE	1.39E-32
Non-allergic asthma	ATP6V1C2	cg08352575	rs34847718	T	C	0.136	0.024	0.463	6.85E-09	0.002	0.016	0.911	0.009	33.560	TRUE	1.02E-08
Non-allergic asthma	ATP6V1C2	cg08352575	rs3856466	T	C	-0.861	0.028	0.209	6.63E-213	0.014	0.020	0.480	0.208	969.265	TRUE	1.42E-192
Non-allergic asthma	ATP6V1C2	cg08352575	rs4669620	C	G	0.326	0.035	0.122	1.06E-20	0.034	0.022	0.114	0.023	87.000	TRUE	1.73E-19
Non-allergic asthma	ATP6V1C2	cg08352575	rs72781424	T	C	-0.256	0.045	0.071	1.78E-08	-0.002	0.034	0.951	0.008	31.703	TRUE	2.51E-08
Non-allergic asthma	ATP6V1C2	cg08803791	rs1198842	T	G	0.147	0.024	0.397	9.77E-10	0.024	0.016	0.132	0.010	37.351	TRUE	4.29E-09
Non-allergic asthma	ATP6V1C2	cg08803791	rs12465136	T	A	0.163	0.028	0.242	3.53E-09	0.013	0.019	0.479	0.009	34.848	TRUE	8.22E-09
Non-allergic asthma	ATP6V1C2	cg08803791	rs6737844	C	T	-0.331	0.024	0.409	5.83E-45	-0.036	0.016	0.025	0.051	197.851	TRUE	6.26E-42
Non-allergic asthma	ATP6V1C2	cg18436444	rs1734422	C	A	-0.185	0.024	0.438	3.92E-15	-0.040	0.016	0.012	0.016	61.704	TRUE	7.97E-14
Non-allergic asthma	ATP6V1C2	cg21879157	rs11885275	G	A	-0.200	0.028	0.239	5.56E-13	-0.019	0.018	0.289	0.014	51.967	TRUE	2.40E-12
Non-allergic asthma	ATP6V1C2	cg22243662	rs113787127	C	T	-0.271	0.034	0.136	1.30E-15	0.027	0.026	0.311	0.017	63.880	TRUE	6.88E-15
Non-allergic asthma	ATP6V1C2	cg22243662	rs12468286	A	G	0.130	0.023	0.457	2.28E-08	-0.002	0.016	0.916	0.008	31.222	TRUE	3.29E-08
Non-allergic asthma	ATP6V1C2	cg26301562	rs1060011	A	G	0.770	0.123	0.018	3.71E-10	-0.050	0.093	0.591	0.010	39.239	TRUE	8.21E-10
Non-allergic asthma	ATP6V1C2	cg26301562	rs34533775	C	T	-0.179	0.024	0.379	7.69E-14	-0.038	0.017	0.022	0.015	55.854	TRUE	1.08E-12
Non-allergic asthma	BID	cg01388022	rs738094	C	T	-0.212	0.024	0.446	4.71E-19	-0.011	0.016	0.508	0.021	79.506	TRUE	2.38E-18
Non-allergic asthma	BID	cg01618287	rs2401423	C	G	0.221	0.032	0.373	3.71E-12	-0.050	0.017	0.002	0.013	48.243	TRUE	7.50E-11
Non-allergic asthma	BID	cg01618287	rs386333	A	G	-0.259	0.041	0.172	3.47E-10	0.009	0.021	0.666	0.011	39.367	TRUE	7.11E-10
Non-allergic asthma	BID	cg01618287	rs5747351	G	A	0.165	0.024	0.414	2.23E-12	0.010	0.016	0.535	0.013	49.243	TRUE	6.25E-12
Non-allergic asthma	BID	cg07473201	rs1296691	T	C	-0.170	0.026	0.280	7.84E-11	0.015	0.017	0.387	0.011	42.273	TRUE	2.36E-10
Non-allergic asthma	BID	cg07473201	rs141963645	A	G	-0.920	0.099	0.014	1.16E-20	0.183	0.079	0.020	0.023	86.829	TRUE	4.22E-19
Non-allergic asthma	BID	cg07473201	rs16980962	C	T	-0.451	0.064	0.033	1.49E-12	0.032	0.056	0.562	0.013	50.040	TRUE	4.07E-12

Non-allergic asthma	BID	cg07473201	rs2305001	C	T	-0.450	0.065	0.033	6.37E-12	0.057	0.093	0.541	0.013	47.187	TRUE	1.71E-11
Non-allergic asthma	BID	cg07473201	rs5747339	T	C	-0.225	0.024	0.443	2.27E-21	-0.015	0.016	0.341	0.024	90.050	TRUE	1.95E-20
Non-allergic asthma	BID	cg07473201	rs62240473	G	A	-0.526	0.066	0.036	1.83E-15	0.099	0.075	0.183	0.017	63.201	TRUE	1.30E-14
Non-allergic asthma	BID	cg07473201	rs9180	C	T	-0.162	0.027	0.273	1.54E-09	0.012	0.018	0.504	0.010	36.463	TRUE	3.59E-09
Non-allergic asthma	BID	cg09896131	rs141963645	A	G	-1.022	0.097	0.014	6.70E-26	0.183	0.079	0.020	0.029	110.694	TRUE	5.02E-24
Non-allergic asthma	BID	cg09896131	rs16980962	C	T	-0.352	0.063	0.033	2.62E-08	0.032	0.056	0.562	0.008	30.951	TRUE	5.22E-08
Non-allergic asthma	BID	cg09896131	rs181386	A	G	-0.172	0.030	0.182	1.39E-08	-0.003	0.019	0.858	0.009	32.189	TRUE	2.13E-08
Non-allergic asthma	BID	cg09896131	rs2305001	C	T	-0.445	0.065	0.033	7.80E-12	0.057	0.093	0.541	0.012	46.791	TRUE	2.08E-11
Non-allergic asthma	BID	cg09896131	rs35372828	A	G	0.182	0.029	0.214	2.79E-10	-0.013	0.019	0.486	0.011	39.792	TRUE	7.05E-10
Non-allergic asthma	BID	cg13346441	rs1296687	T	C	-0.476	0.028	0.224	2.75E-64	0.001	0.019	0.967	0.072	286.435	TRUE	9.33E-62
Non-allergic asthma	BID	cg13346441	rs141963645	A	G	-1.268	0.099	0.014	8.78E-38	0.183	0.079	0.020	0.043	164.991	TRUE	3.61E-35
Non-allergic asthma	BID	cg13346441	rs16980962	C	T	-0.496	0.064	0.033	8.32E-15	0.032	0.056	0.562	0.016	60.225	TRUE	2.72E-14
Non-allergic asthma	BID	cg13346441	rs181408	T	C	-0.227	0.023	0.498	2.64E-22	-0.001	0.016	0.950	0.025	94.300	TRUE	8.83E-22
Non-allergic asthma	BID	cg13346441	rs2305001	C	T	-0.506	0.066	0.033	1.20E-14	0.057	0.093	0.541	0.016	59.498	TRUE	4.00E-14
Non-allergic asthma	BID	cg13346441	rs62240487	A	G	-0.522	0.066	0.037	2.32E-15	0.095	0.074	0.197	0.017	62.739	TRUE	1.56E-14
Non-allergic asthma	BID	cg20234121	rs5747350	A	G	0.135	0.024	0.412	1.50E-08	0.009	0.016	0.589	0.009	32.035	TRUE	2.96E-08
Non-allergic asthma	BID	cg26427090	rs372897	A	C	-0.274	0.031	0.185	1.25E-18	-0.019	0.020	0.335	0.021	77.581	TRUE	8.37E-18
Non-allergic asthma	BIRC2	cg06323957	rs11225312	A	G	0.314	0.034	0.131	4.35E-20	-0.028	0.022	0.202	0.022	84.210	TRUE	4.73E-19
Non-allergic asthma	BIRC2	cg06323957	rs11602890	A	C	0.179	0.025	0.349	3.70E-13	-0.019	0.018	0.275	0.014	52.770	TRUE	1.66E-12
Non-allergic asthma	BIRC2	cg06323957	rs11605573	T	G	0.958	0.044	0.074	6.52E-107	-0.108	0.046	0.020	0.115	482.108	TRUE	1.80E-98
Non-allergic asthma	BIRC2	cg06323957	rs117994429	G	A	0.638	0.079	0.021	8.50E-16	0.085	0.045	0.059	0.017	64.716	TRUE	1.06E-14
Non-allergic asthma	BIRC2	cg06323957	rs12576911	G	A	0.203	0.025	0.300	1.74E-15	0.001	0.019	0.971	0.017	63.306	TRUE	3.55E-15
Non-allergic asthma	BIRC2	cg06323957	rs1893729	G	A	0.219	0.035	0.128	4.23E-10	-0.014	0.020	0.495	0.010	38.982	TRUE	1.04E-09
Non-allergic asthma	BIRC2	cg06323957	rs35273026	T	C	0.530	0.074	0.024	7.12E-13	-0.006	0.071	0.934	0.014	51.482	TRUE	1.30E-12
Non-allergic asthma	BIRC2	cg06323957	rs548336	A	G	0.133	0.023	0.496	1.30E-08	-0.027	0.016	0.087	0.009	32.311	TRUE	5.77E-08
Non-allergic asthma	BIRC2	cg06323957	rs74473729	G	A	0.697	0.086	0.017	6.15E-16	-0.021	0.074	0.777	0.017	65.353	TRUE	1.65E-15
Non-allergic asthma	BIRC2	cg11114757	rs11225316	T	G	-0.200	0.035	0.129	9.30E-09	-0.037	0.023	0.108	0.009	32.965	TRUE	3.91E-08
Non-allergic asthma	BIRC2	cg11114757	rs117994429	G	A	-0.450	0.080	0.021	1.79E-08	0.085	0.045	0.059	0.008	31.694	TRUE	8.78E-08
Non-allergic asthma	BIRC2	cg11114757	rs1318199	C	G	-0.812	0.045	0.071	2.64E-74	-0.109	0.046	0.018	0.082	332.394	TRUE	6.21E-69
Non-allergic asthma	BIRC2	cg11114757	rs35273026	T	C	-0.604	0.075	0.024	5.39E-16	-0.006	0.071	0.934	0.017	65.614	TRUE	1.19E-15
Non-allergic asthma	BIRC2	cg11114757	rs74473729	G	A	-0.544	0.087	0.017	3.79E-10	-0.021	0.074	0.777	0.010	39.195	TRUE	6.91E-10
Non-allergic asthma	BIRC2	cg11114757	rs7938790	G	A	-0.202	0.026	0.301	2.73E-15	-0.004	0.019	0.816	0.017	62.416	TRUE	6.66E-15
Non-allergic asthma	BIRC2	cg11690896	rs11225312	A	G	0.204	0.034	0.131	2.24E-09	-0.028	0.022	0.202	0.010	35.731	TRUE	8.02E-09
Non-allergic asthma	BIRC2	cg11690896	rs117994429	G	A	0.498	0.079	0.021	2.67E-10	0.085	0.045	0.059	0.011	39.882	TRUE	1.67E-09
Non-allergic asthma	BIRC2	cg11690896	rs1894115	C	A	0.145	0.025	0.292	1.19E-08	0.001	0.019	0.954	0.009	32.486	TRUE	1.69E-08
Non-allergic asthma	BIRC2	cg11690896	rs2219168	G	C	0.139	0.025	0.316	2.85E-08	0.006	0.019	0.740	0.008	30.793	TRUE	4.77E-08
Non-allergic asthma	BIRC2	cg11690896	rs79028911	C	T	0.651	0.044	0.075	3.23E-50	-0.108	0.046	0.020	0.057	221.930	TRUE	9.49E-47
Non-allergic asthma	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	0.053	0.016	9.37E-04	0.027	101.937	TRUE	1.03E-21
Non-allergic asthma	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	0.011	0.017	0.506	0.008	29.870	TRUE	9.49E-08
Non-allergic asthma	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	-0.026	0.030	0.391	0.009	33.922	TRUE	1.45E-08
Non-allergic asthma	BLK	cg13440894	rs1478901	C	G	-0.182	0.029	0.268	4.11E-10	0.024	0.018	0.181	0.010	39.039	TRUE	1.66E-09
Non-allergic asthma	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	0.021	0.016	0.191	0.076	306.232	TRUE	1.20E-64

Non-allergic asthma	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	0.039	0.021	0.070	0.048	184.887	TRUE	1.39E-39
Non-allergic asthma	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	0.053	0.018	0.003	0.010	36.822	TRUE	1.61E-08
Non-allergic asthma	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	0.022	0.016	0.164	0.008	30.918	TRUE	9.19E-08
Non-allergic asthma	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	0.028	0.017	0.104	0.012	43.872	TRUE	1.97E-10
Non-allergic asthma	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	-0.025	0.016	0.118	0.013	48.071	TRUE	2.44E-11
Non-allergic asthma	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	-0.032	0.016	0.044	0.017	62.186	TRUE	4.03E-14
Non-allergic asthma	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	-0.017	0.048	0.724	0.010	37.546	TRUE	1.66E-09
Non-allergic asthma	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	-0.013	0.024	0.592	0.013	47.879	TRUE	1.14E-11
Non-allergic asthma	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	0.043	0.020	0.035	0.013	47.025	TRUE	6.31E-11
Non-allergic asthma	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	0.033	0.018	0.067	0.017	62.911	TRUE	2.39E-14
Non-allergic asthma	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	0.006	0.018	0.730	0.027	101.312	TRUE	4.05E-23
Non-allergic asthma	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	-0.056	0.021	0.006	0.030	114.133	TRUE	1.65E-24
Non-allergic asthma	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	-0.014	0.019	0.458	0.021	79.694	TRUE	2.36E-18
Non-allergic asthma	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	0.001	0.016	0.950	0.013	50.075	TRUE	2.56E-12
Non-allergic asthma	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	0.039	0.017	0.024	0.012	45.214	TRUE	1.71E-10
Non-allergic asthma	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	0.019	0.019	0.311	0.021	78.194	TRUE	6.54E-18
Non-allergic asthma	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	0.038	0.018	0.033	0.016	61.159	TRUE	7.35E-14
Non-allergic asthma	BLK	cg21175976	rs13264636	G	C	-0.233	0.030	0.204	9.59E-15	-0.044	0.020	0.029	0.016	59.946	TRUE	1.38E-13
Non-allergic asthma	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	-0.060	0.026	0.020	0.011	42.259	TRUE	7.41E-10
Non-allergic asthma	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	-0.009	0.018	0.632	0.009	34.087	TRUE	1.02E-08
Non-allergic asthma	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	0.022	0.016	0.179	0.141	608.856	TRUE	3.61E-124
Non-allergic asthma	BLK	cg21175976	rs2572410	T	A	-0.212	0.026	0.386	1.34E-16	0.016	0.016	0.333	0.018	68.349	TRUE	7.46E-16
Non-allergic asthma	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	-0.055	0.016	8.93E-04	0.038	145.697	TRUE	1.33E-30
Non-allergic asthma	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	-0.038	0.026	0.148	0.013	48.152	TRUE	2.14E-11
Non-allergic asthma	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	-0.021	0.019	0.272	0.013	49.026	TRUE	1.04E-11
Non-allergic asthma	BLK	cg21175976	rs4455790	C	G	-0.226	0.028	0.262	8.96E-16	-0.038	0.021	0.073	0.017	64.613	TRUE	1.02E-14
Non-allergic asthma	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.019	0.029	0.515	0.012	43.981	TRUE	8.59E-11
Non-allergic asthma	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	-0.020	0.024	0.401	0.012	44.584	TRUE	7.43E-11
Non-allergic asthma	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	0.047	0.017	0.005	0.032	121.653	TRUE	5.11E-26
Non-allergic asthma	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	-0.040	0.022	0.061	0.010	38.906	TRUE	2.64E-09
Non-allergic asthma	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.072	0.027	0.009	0.010	37.442	TRUE	9.15E-09
Non-allergic asthma	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	0.029	0.020	0.137	0.009	34.590	TRUE	1.63E-08
Non-allergic asthma	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	0.043	0.029	0.135	0.014	53.379	TRUE	1.76E-12
Non-allergic asthma	BLK	cg21175976	rs77613642	G	C	-0.283	0.048	0.072	5.03E-09	-0.028	0.040	0.486	0.009	34.160	TRUE	1.15E-08
Non-allergic asthma	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	-0.009	0.025	0.722	0.018	67.107	TRUE	7.46E-16
Non-allergic asthma	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	-0.023	0.019	0.240	0.023	87.887	TRUE	7.15E-20
Non-allergic asthma	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	0.053	0.030	0.076	0.009	34.222	TRUE	2.38E-08
Non-allergic asthma	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	-0.019	0.019	0.322	0.011	42.145	TRUE	2.78E-10
Non-allergic asthma	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	-0.032	0.020	0.105	0.012	46.067	TRUE	6.77E-11
Non-allergic asthma	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	-0.034	0.018	0.059	0.021	80.540	TRUE	5.33E-18
Non-allergic asthma	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	0.039	0.018	0.029	0.027	102.289	TRUE	2.32E-22
Non-allergic asthma	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	-0.025	0.016	0.118	0.012	43.795	TRUE	1.95E-10

Non-allergic asthma	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	-0.025	0.020	0.209	0.018	66.563	TRUE	2.36E-15
Non-allergic asthma	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	0.034	0.018	0.064	0.020	75.040	TRUE	7.17E-17
Non-allergic asthma	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	0.049	0.018	0.005	0.024	90.407	TRUE	1.33E-19
Non-allergic asthma	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	-0.039	0.019	0.037	0.313	1684.549	TRUE	<1E-200
Non-allergic asthma	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	-0.042	0.023	0.064	0.027	101.718	TRUE	2.04E-22
Non-allergic asthma	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	-0.030	0.021	0.144	0.017	65.056	TRUE	5.98E-15
Non-allergic asthma	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	0.046	0.019	0.016	0.008	31.632	TRUE	1.28E-07
Non-allergic asthma	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	0.049	0.030	0.107	0.009	31.997	TRUE	6.30E-08
Non-allergic asthma	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	-0.046	0.025	0.064	0.013	50.138	TRUE	1.15E-11
Non-allergic asthma	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	-0.029	0.021	0.171	0.014	52.632	TRUE	2.26E-12
Non-allergic asthma	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	-0.040	0.020	0.047	0.014	53.975	TRUE	2.02E-12
Non-allergic asthma	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.051	0.017	0.003	0.026	98.423	TRUE	3.59E-21
Non-allergic asthma	BLK	cg21701351	rs28446662	A	T	-0.199	0.031	0.222	2.44E-10	0.016	0.017	0.339	0.011	40.053	TRUE	7.57E-10
Non-allergic asthma	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	0.003	0.020	0.891	0.033	127.369	TRUE	9.93E-29
Non-allergic asthma	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	0.018	0.018	0.312	0.032	120.724	TRUE	7.87E-27
Non-allergic asthma	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	-0.064	0.027	0.018	0.019	70.592	TRUE	1.02E-15
Non-allergic asthma	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	-0.026	0.020	0.197	0.012	45.665	TRUE	6.30E-11
Non-allergic asthma	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	0.037	0.028	0.178	0.014	51.508	TRUE	3.83E-12
Non-allergic asthma	BLK	cg21701351	rs4455790	C	G	0.290	0.028	0.262	5.83E-25	-0.038	0.021	0.073	0.028	106.407	TRUE	2.03E-23
Non-allergic asthma	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	0.042	0.016	0.008	0.018	67.488	TRUE	5.90E-15
Non-allergic asthma	BLK	cg21701351	rs4841381	G	C	0.258	0.029	0.245	8.55E-19	-0.028	0.019	0.151	0.021	78.327	TRUE	9.60E-18
Non-allergic asthma	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.054	0.023	0.017	0.014	52.465	TRUE	5.93E-12
Non-allergic asthma	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	0.033	0.019	0.080	0.021	77.669	TRUE	1.84E-17
Non-allergic asthma	BLK	cg21701351	rs55718444	C	G	-0.388	0.053	0.064	1.96E-13	0.053	0.028	0.056	0.014	54.016	TRUE	1.86E-12
Non-allergic asthma	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	-0.020	0.036	0.567	0.020	76.906	TRUE	7.68E-18
Non-allergic asthma	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	-0.060	0.026	0.022	0.019	70.382	TRUE	1.04E-15
Non-allergic asthma	BLK	cg21701351	rs58569413	T	G	-0.377	0.056	0.064	1.21E-11	0.033	0.035	0.337	0.012	45.934	TRUE	4.22E-11
Non-allergic asthma	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	0.036	0.021	0.090	0.024	91.221	TRUE	2.59E-20
Non-allergic asthma	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	0.060	0.018	6.28E-04	0.012	43.998	TRUE	7.49E-10
Non-allergic asthma	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	-0.076	0.020	1.64E-04	0.017	65.111	TRUE	5.16E-14
Non-allergic asthma	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	-0.012	0.021	0.565	0.042	160.723	TRUE	1.96E-35
Non-allergic asthma	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	0.047	0.030	0.121	0.014	52.494	TRUE	2.84E-12
Non-allergic asthma	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	0.027	0.032	0.396	0.021	79.437	TRUE	3.01E-18
Non-allergic asthma	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	0.023	0.021	0.271	0.018	66.131	TRUE	2.50E-15
Non-allergic asthma	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	-0.024	0.023	0.299	0.027	102.454	TRUE	5.40E-23
Non-allergic asthma	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.069	0.027	0.011	0.011	42.171	TRUE	9.07E-10
Non-allergic asthma	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	-0.036	0.021	0.094	0.032	123.931	TRUE	4.06E-27
Non-allergic asthma	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	-0.012	0.021	0.559	0.012	44.452	TRUE	6.45E-11
Non-allergic asthma	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	0.037	0.033	0.252	0.009	31.730	TRUE	5.22E-08
Non-allergic asthma	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	-0.055	0.017	9.11E-04	0.044	170.418	TRUE	1.29E-35
Non-allergic asthma	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	-0.025	0.016	0.122	0.012	45.211	TRUE	9.67E-11
Non-allergic asthma	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	-0.042	0.018	0.023	0.039	148.483	TRUE	8.18E-32

Non-allergic asthma	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	0.054	0.016	6.49E-04	0.051	200.249	TRUE	1.42E-41
Non-allergic asthma	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	-0.062	0.027	0.025	0.010	38.234	TRUE	4.81E-09
Non-allergic asthma	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	0.006	0.031	0.847	0.011	40.412	TRUE	3.51E-10
Non-allergic asthma	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	0.050	0.016	0.002	0.013	49.589	TRUE	4.20E-11
Non-allergic asthma	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	-0.043	0.022	0.055	0.012	43.132	TRUE	3.55E-10
Non-allergic asthma	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	0.027	0.033	0.422	0.008	30.237	TRUE	8.67E-08
Non-allergic asthma	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	-0.002	0.017	0.919	0.010	36.761	TRUE	2.03E-09
Non-allergic asthma	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	-0.025	0.020	0.209	0.008	31.210	TRUE	7.28E-08
Non-allergic asthma	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	-0.026	0.017	0.123	0.011	40.072	TRUE	1.17E-09
Non-allergic asthma	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	-0.012	0.020	0.562	0.009	33.408	TRUE	1.54E-08
Non-allergic asthma	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	-0.045	0.031	0.145	0.009	33.283	TRUE	3.02E-08
Non-allergic asthma	BLK	cg24861686	rs77094521	T	A	-0.243	0.044	0.096	3.27E-08	0.045	0.031	0.149	0.008	30.523	TRUE	1.15E-07
Non-allergic asthma	BLK	cg24861686	rs7815495	A	T	0.199	0.032	0.195	2.93E-10	-0.045	0.023	0.050	0.011	39.699	TRUE	1.92E-09
Non-allergic asthma	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	0.028	0.016	0.079	0.011	41.209	TRUE	7.94E-10
Non-allergic asthma	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	0.021	0.016	0.191	0.084	338.185	TRUE	4.48E-71
Non-allergic asthma	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	-0.030	0.016	0.058	0.010	35.609	TRUE	1.32E-08
Non-allergic asthma	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	-0.043	0.017	0.012	0.012	43.482	TRUE	4.74E-10
Non-allergic asthma	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	-0.046	0.025	0.064	0.013	47.868	TRUE	3.43E-11
Non-allergic asthma	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	-0.028	0.019	0.153	0.010	36.675	TRUE	5.64E-09
Non-allergic asthma	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	0.043	0.019	0.026	0.011	40.391	TRUE	1.67E-09
Non-allergic asthma	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	0.023	0.021	0.271	0.025	93.325	TRUE	4.76E-21
Non-allergic asthma	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	-0.037	0.018	0.040	0.016	59.780	TRUE	1.32E-13
Non-allergic asthma	C1orf200	cg07793148	rs4477280	A	G	-0.308	0.024	0.388	3.15E-38	-0.010	0.016	0.531	0.043	167.029	TRUE	1.04E-36
Non-allergic asthma	C1orf200	cg14989202	rs7518793	C	T	-0.172	0.029	0.215	1.70E-09	0.018	0.018	0.319	0.010	36.269	TRUE	5.02E-09
Non-allergic asthma	C1orf200	cg16597045	rs7518602	C	T	-0.163	0.024	0.392	7.66E-12	-0.011	0.016	0.490	0.013	46.826	TRUE	2.18E-11
Non-allergic asthma	CAPN1	cg04962005	rs10895993	T	C	-0.465	0.043	0.074	8.14E-27	0.030	0.020	0.135	0.030	114.872	TRUE	2.44E-25
Non-allergic asthma	CAPN1	cg05033401	rs11605576	A	C	0.163	0.025	0.360	3.65E-11	-0.041	0.017	0.015	0.012	43.769	TRUE	3.88E-10
Non-allergic asthma	CAPN1	cg07710883	rs11227132	G	A	0.468	0.084	0.017	2.18E-08	0.092	0.066	0.163	0.008	31.310	TRUE	7.61E-08
Non-allergic asthma	CAPN1	cg07710883	rs1195963	T	C	0.265	0.031	0.172	6.68E-18	0.050	0.019	0.007	0.020	74.269	TRUE	2.49E-16
Non-allergic asthma	CAPN1	cg07710883	rs1196617	C	T	0.181	0.023	0.467	1.27E-14	0.010	0.016	0.509	0.016	59.393	TRUE	4.41E-14
Non-allergic asthma	CAPN1	cg07710883	rs148097428	A	G	0.352	0.055	0.047	2.11E-10	-0.009	0.055	0.870	0.011	40.336	TRUE	3.56E-10
Non-allergic asthma	CAPN1	cg07710883	rs564476	T	C	-0.525	0.044	0.077	2.09E-32	0.018	0.031	0.570	0.037	140.405	TRUE	3.33E-31
Non-allergic asthma	CAPN1	cg09620688	rs11605576	A	C	0.273	0.024	0.360	1.30E-29	-0.041	0.017	0.015	0.033	127.645	TRUE	1.89E-27
Non-allergic asthma	CAPN1	cg09620688	rs599670	T	G	-0.248	0.036	0.105	4.39E-12	0.057	0.022	0.010	0.013	47.918	TRUE	6.03E-11
Non-allergic asthma	CAPN1	cg13762244	rs608404	A	G	0.489	0.081	0.018	1.33E-09	-0.040	0.066	0.543	0.010	36.743	TRUE	2.99E-09
Non-allergic asthma	CAPN1	cg13762244	rs6591179	G	T	0.394	0.034	0.128	2.58E-30	-0.006	0.026	0.819	0.034	130.851	TRUE	2.09E-29
Non-allergic asthma	CAPN1	cg16697977	rs17881454	G	C	-0.404	0.066	0.057	7.83E-10	0.008	0.043	0.845	0.010	37.781	TRUE	1.31E-09
Non-allergic asthma	CAPN1	cg16697977	rs2271448	T	C	0.238	0.025	0.319	3.28E-21	-0.037	0.017	0.030	0.024	89.317	TRUE	1.10E-19
Non-allergic asthma	CAPN1	cg25363789	rs111513404	G	A	0.611	0.064	0.037	2.21E-21	-0.023	0.028	0.414	0.024	90.100	TRUE	1.64E-20
Non-allergic asthma	CAPN1	cg25363789	rs11227132	G	A	-0.651	0.083	0.017	6.33E-15	0.092	0.066	0.163	0.016	60.764	TRUE	4.49E-14
Non-allergic asthma	CAPN1	cg25363789	rs11551353	A	T	0.470	0.048	0.061	1.49E-22	-0.023	0.047	0.632	0.025	95.432	TRUE	8.31E-22
Non-allergic asthma	CAPN1	cg25363789	rs11601539	C	A	0.521	0.050	0.055	7.21E-26	-0.001	0.047	0.991	0.029	110.548	TRUE	2.98E-25

Non-allergic asthma	CAPN1	cg25363789	rs11605377	T	C	0.466	0.085	0.038	4.05E-08	0.009	0.041	0.836	0.008	30.111	TRUE	6.18E-08
Non-allergic asthma	CAPN1	cg25363789	rs117446487	T	C	0.745	0.085	0.020	1.85E-18	-0.108	0.036	0.002	0.020	76.797	TRUE	1.05E-16
Non-allergic asthma	CAPN1	cg25363789	rs1195964	A	G	-0.353	0.030	0.172	4.78E-31	0.050	0.019	0.007	0.035	134.191	TRUE	1.27E-28
Non-allergic asthma	CAPN1	cg25363789	rs12573	G	A	0.179	0.030	0.178	2.57E-09	-0.033	0.024	0.166	0.009	35.468	TRUE	9.84E-09
Non-allergic asthma	CAPN1	cg25363789	rs17883561	A	G	-0.239	0.037	0.111	1.44E-10	0.017	0.021	0.413	0.011	41.084	TRUE	4.09E-10
Non-allergic asthma	CAPN1	cg25363789	rs487989	A	G	-0.210	0.033	0.153	3.55E-10	-0.018	0.028	0.534	0.011	39.325	TRUE	8.40E-10
Non-allergic asthma	CAPN1	cg25363789	rs566189	C	T	-0.241	0.037	0.102	1.12E-10	0.053	0.023	0.019	0.011	41.572	TRUE	1.05E-09
Non-allergic asthma	CAPN1	cg25363789	rs613316	G	A	-0.269	0.027	0.256	9.01E-24	0.014	0.021	0.510	0.027	100.987	TRUE	6.93E-23
Non-allergic asthma	CAPN1	cg25363789	rs633727	G	A	-0.143	0.023	0.487	8.05E-10	0.031	0.016	0.055	0.010	37.728	TRUE	4.83E-09
Non-allergic asthma	CAPN1	cg25363789	rs6591179	G	T	-0.356	0.035	0.128	2.52E-24	-0.006	0.026	0.819	0.027	103.508	TRUE	1.21E-23
Non-allergic asthma	CAPN1	cg25363789	rs663767	A	C	0.231	0.025	0.319	2.26E-20	-0.005	0.016	0.775	0.023	85.499	TRUE	8.45E-20
Non-allergic asthma	CAPN1	cg25363789	rs739389	T	C	-0.253	0.028	0.222	1.63E-19	0.038	0.018	0.033	0.022	81.595	TRUE	4.20E-18
Non-allergic asthma	CAPN1	cg25363789	rs7933509	G	A	0.889	0.022	0.304	<1E-200	-0.044	0.017	0.011	0.307	1639.161	TRUE	9.31E-306
Non-allergic asthma	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	0.020	0.017	0.230	0.014	51.004	TRUE	4.33E-12
Non-allergic asthma	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	0.019	0.019	0.306	0.015	57.165	TRUE	1.83E-13
Non-allergic asthma	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	-0.036	0.017	0.036	0.016	58.619	TRUE	2.40E-13
Non-allergic asthma	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	0.016	0.024	0.499	0.021	79.794	TRUE	2.10E-18
Non-allergic asthma	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	-0.006	0.016	0.684	0.016	60.177	TRUE	2.37E-14
Non-allergic asthma	CAPZB	cg03542686	rs71645451	C	G	0.178	0.033	0.147	4.36E-08	-0.037	0.024	0.123	0.008	29.965	TRUE	1.62E-07
Non-allergic asthma	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	-0.025	0.016	0.119	0.012	44.854	TRUE	1.16E-10
Non-allergic asthma	CAPZB	cg06788764	rs10158117	C	G	0.160	0.026	0.262	5.75E-10	-0.035	0.017	0.036	0.010	38.384	TRUE	3.99E-09
Non-allergic asthma	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	-0.039	0.016	0.016	0.014	51.114	TRUE	1.14E-11
Non-allergic asthma	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	-0.009	0.016	0.584	0.009	34.432	TRUE	9.02E-09
Non-allergic asthma	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	-0.047	0.022	0.032	0.053	206.399	TRUE	9.84E-44
Non-allergic asthma	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	0.029	0.016	0.064	0.046	177.180	TRUE	5.62E-38
Non-allergic asthma	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	-0.017	0.017	0.339	0.013	48.807	TRUE	1.03E-11
Non-allergic asthma	CAPZB	cg07573717	rs75797435	T	A	-1.535	0.054	0.051	4.48E-178	-0.104	0.046	0.024	0.179	809.134	TRUE	9.32E-161
Non-allergic asthma	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	0.005	0.021	0.810	0.024	89.554	TRUE	1.10E-20
Non-allergic asthma	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	0.048	0.028	0.086	0.016	58.979	TRUE	1.43E-13
Non-allergic asthma	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	0.052	0.018	0.003	0.014	52.185	TRUE	1.07E-11
Non-allergic asthma	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	-0.035	0.031	0.267	0.010	38.411	TRUE	1.91E-09
Non-allergic asthma	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	0.060	0.059	0.309	0.017	65.252	TRUE	3.54E-15
Non-allergic asthma	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	-0.043	0.017	0.011	0.012	46.328	TRUE	1.24E-10
Non-allergic asthma	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	0.042	0.039	0.281	0.023	87.676	TRUE	7.11E-20
Non-allergic asthma	CAPZB	cg07905985	rs61759272	G	C	-0.184	0.029	0.196	3.30E-10	-0.006	0.022	0.790	0.011	39.469	TRUE	5.95E-10
Non-allergic asthma	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	-0.025	0.019	0.188	0.011	40.134	TRUE	9.56E-10
Non-allergic asthma	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	0.017	0.049	0.733	0.157	690.976	TRUE	3.48E-141
Non-allergic asthma	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	-0.008	0.024	0.724	0.011	42.113	TRUE	1.71E-10
Non-allergic asthma	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	0.011	0.017	0.527	0.038	146.098	TRUE	2.37E-32
Non-allergic asthma	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	-0.007	0.016	0.685	0.017	65.137	TRUE	2.06E-15
Non-allergic asthma	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	0.005	0.021	0.810	0.029	112.158	TRUE	1.82E-25
Non-allergic asthma	CAPZB	cg09976716	rs11591018	T	A	-0.346	0.051	0.102	7.32E-12	-0.021	0.033	0.516	0.013	46.915	TRUE	2.02E-11

Non-allergic asthma	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	-0.004	0.021	0.835	0.017	63.025	TRUE	4.82E-15
Non-allergic asthma	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	0.060	0.059	0.309	0.021	77.636	TRUE	8.61E-18
Non-allergic asthma	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	0.009	0.048	0.850	0.176	788.461	TRUE	7.52E-160
Non-allergic asthma	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	0.000	0.019	0.996	0.025	96.177	TRUE	3.30E-22
Non-allergic asthma	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.054	0.031	0.078	0.023	87.333	TRUE	1.80E-19
Non-allergic asthma	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	0.046	0.018	0.010	0.015	54.760	TRUE	2.30E-12
Non-allergic asthma	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	0.006	0.017	0.733	0.029	110.736	TRUE	4.13E-25
Non-allergic asthma	CAPZB	cg09976716	rs4076839	C	G	-0.188	0.029	0.214	4.60E-11	0.013	0.019	0.482	0.012	43.315	TRUE	1.24E-10
Non-allergic asthma	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	-0.025	0.019	0.188	0.015	56.519	TRUE	3.27E-13
Non-allergic asthma	CAPZB	cg09976716	rs709683	G	C	-0.200	0.024	0.402	3.86E-17	0.055	0.017	0.002	0.019	70.807	TRUE	1.92E-15
Non-allergic asthma	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	0.107	0.118	0.367	0.019	72.434	TRUE	9.57E-17
Non-allergic asthma	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	-0.033	0.017	0.050	0.029	109.424	TRUE	5.91E-24
Non-allergic asthma	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	-0.007	0.016	0.685	0.016	60.748	TRUE	1.78E-14
Non-allergic asthma	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	-0.039	0.017	0.027	0.036	138.191	TRUE	9.71E-30
Non-allergic asthma	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	-0.047	0.022	0.031	0.027	103.494	TRUE	1.27E-22
Non-allergic asthma	CAPZB	cg11335264	rs2006024	T	C	-0.152	0.025	0.319	1.62E-09	-0.021	0.019	0.267	0.010	36.361	TRUE	5.22E-09
Non-allergic asthma	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	-0.100	0.044	0.024	0.057	225.435	TRUE	1.61E-47
Non-allergic asthma	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	0.001	0.018	0.947	0.012	45.046	TRUE	3.14E-11
Non-allergic asthma	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	-0.001	0.016	0.956	0.010	39.037	TRUE	6.27E-10
Non-allergic asthma	CAPZB	cg11335264	rs75797435	T	A	-0.951	0.056	0.051	2.93E-64	-0.104	0.046	0.024	0.072	286.312	TRUE	8.48E-60
Non-allergic asthma	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	-0.017	0.016	0.285	0.024	90.352	TRUE	1.93E-20
Non-allergic asthma	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	-0.036	0.017	0.036	0.010	36.405	TRUE	1.04E-08
Non-allergic asthma	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	-0.036	0.017	0.034	0.008	31.000	TRUE	1.43E-07
Non-allergic asthma	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	0.007	0.020	0.731	0.012	43.676	TRUE	7.79E-11
Non-allergic asthma	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	-0.025	0.016	0.118	0.113	470.631	TRUE	4.43E-97
Non-allergic asthma	CAPZB	cg12763668	rs3762389	T	A	0.204	0.025	0.351	2.15E-16	-0.041	0.017	0.017	0.018	67.425	TRUE	4.67E-15
Non-allergic asthma	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	-0.005	0.024	0.848	0.015	56.257	TRUE	1.34E-13
Non-allergic asthma	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	0.042	0.039	0.281	0.010	37.399	TRUE	3.06E-09
Non-allergic asthma	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	0.018	0.049	0.711	0.031	116.757	TRUE	2.32E-26
Non-allergic asthma	CAPZB	cg12763668	rs72653937	T	A	-0.356	0.045	0.080	1.35E-15	0.032	0.024	0.189	0.017	63.809	TRUE	9.49E-15
Non-allergic asthma	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	-0.044	0.024	0.063	0.010	38.063	TRUE	3.92E-09
Non-allergic asthma	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	-0.021	0.016	0.207	0.013	48.842	TRUE	1.31E-11
Non-allergic asthma	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	0.028	0.019	0.143	0.010	39.006	TRUE	1.86E-09
Non-allergic asthma	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	0.017	0.049	0.733	0.011	39.860	TRUE	5.18E-10
Non-allergic asthma	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	0.025	0.019	0.178	0.022	82.598	TRUE	1.11E-18
Non-allergic asthma	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	0.000	0.019	0.996	0.011	41.664	TRUE	1.62E-10
Non-allergic asthma	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	-0.037	0.017	0.032	0.069	275.362	TRUE	1.08E-57
Non-allergic asthma	CAPZB	cg15136975	rs61766717	A	T	0.357	0.054	0.047	5.33E-11	0.013	0.049	0.784	0.011	43.029	TRUE	1.02E-10
Non-allergic asthma	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	-0.074	0.054	0.165	0.009	34.016	TRUE	2.01E-08
Non-allergic asthma	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	-0.044	0.024	0.063	0.010	35.537	TRUE	1.33E-08
Non-allergic asthma	CAPZB	cg16694480	rs115472911	G	C	0.442	0.055	0.047	5.22E-16	0.013	0.049	0.784	0.017	65.677	TRUE	1.39E-15
Non-allergic asthma	CAPZB	cg16694480	rs4912101	G	A	0.143	0.026	0.281	2.32E-08	-0.027	0.017	0.111	0.008	31.190	TRUE	9.20E-08

Non-allergic asthma	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	-0.019	0.018	0.271	0.010	37.070	TRUE	3.66E-09
Non-allergic asthma	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	0.023	0.019	0.224	0.028	108.057	TRUE	4.53E-24
Non-allergic asthma	CAPZB	cg19713429	rs115472911	G	C	0.404	0.055	0.047	1.36E-13	0.013	0.049	0.784	0.015	54.737	TRUE	3.07E-13
Non-allergic asthma	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	-0.021	0.016	0.207	0.016	60.828	TRUE	3.84E-14
Non-allergic asthma	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	0.044	0.061	0.472	0.008	31.371	TRUE	4.66E-08
Non-allergic asthma	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	-0.025	0.016	0.109	0.036	139.868	TRUE	1.86E-30
Non-allergic asthma	CAPZB	cg23111655	rs10799817	C	G	-0.251	0.024	0.380	2.29E-25	-0.018	0.016	0.278	0.028	108.259	TRUE	3.48E-24
Non-allergic asthma	CAPZB	cg23111655	rs113042236	A	T	-0.271	0.047	0.063	9.36E-09	0.084	0.041	0.039	0.009	32.952	TRUE	5.37E-08
Non-allergic asthma	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	-0.035	0.041	0.404	0.017	64.571	TRUE	4.13E-15
Non-allergic asthma	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	0.023	0.032	0.467	0.013	48.114	TRUE	1.19E-11
Non-allergic asthma	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	0.017	0.049	0.728	0.058	228.169	TRUE	1.48E-49
Non-allergic asthma	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	-0.013	0.017	0.462	0.009	33.355	TRUE	1.76E-08
Non-allergic asthma	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	0.060	0.059	0.309	0.014	51.486	TRUE	2.92E-12
Non-allergic asthma	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	-0.001	0.019	0.968	0.015	57.323	TRUE	6.88E-14
Non-allergic asthma	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	0.033	0.017	0.044	0.015	56.329	TRUE	6.67E-13
Non-allergic asthma	CAPZB	cg23111655	rs4147449	G	C	-0.446	0.077	0.027	8.72E-09	0.034	0.064	0.598	0.009	33.090	TRUE	1.73E-08
Non-allergic asthma	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	-0.034	0.017	0.042	0.279	1428.478	TRUE	2.61E-271
Non-allergic asthma	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	-0.025	0.019	0.188	0.012	46.466	TRUE	4.35E-11
Non-allergic asthma	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	-0.002	0.016	0.881	0.015	55.710	TRUE	1.69E-13
Non-allergic asthma	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	0.023	0.026	0.365	0.027	103.222	TRUE	3.17E-23
Non-allergic asthma	CAPZB	cg23111655	rs71645448	A	T	0.740	0.085	0.018	4.28E-18	-0.119	0.049	0.014	0.020	75.146	TRUE	1.25E-16
Non-allergic asthma	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	0.000	0.018	0.999	0.028	108.269	TRUE	8.94E-25
Non-allergic asthma	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	-0.064	0.048	0.186	0.016	60.028	TRUE	5.99E-14
Non-allergic asthma	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	0.036	0.101	0.721	0.011	40.234	TRUE	4.36E-10
Non-allergic asthma	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	0.007	0.024	0.780	0.008	30.840	TRUE	4.50E-08
Non-allergic asthma	CAPZB	cg23519022	rs41264091	T	A	-0.244	0.028	0.229	8.94E-19	0.020	0.019	0.276	0.021	78.239	TRUE	6.94E-18
Non-allergic asthma	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	0.007	0.020	0.731	0.009	35.321	TRUE	4.99E-09
Non-allergic asthma	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	0.024	0.016	0.130	0.011	41.717	TRUE	5.14E-10
Non-allergic asthma	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	-0.013	0.017	0.450	0.013	50.196	TRUE	4.39E-12
Non-allergic asthma	CAPZB	cg24593138	rs113042236	A	T	-0.407	0.047	0.063	6.10E-18	0.084	0.041	0.039	0.020	74.447	TRUE	1.19E-16
Non-allergic asthma	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	0.033	0.016	0.040	0.021	80.717	TRUE	5.85E-18
Non-allergic asthma	CAPZB	cg24593138	rs2006024	T	C	-0.146	0.025	0.319	7.36E-09	-0.021	0.019	0.267	0.009	33.420	TRUE	2.22E-08
Non-allergic asthma	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	-0.028	0.016	0.080	0.486	3497.727	TRUE	<1E-200
Non-allergic asthma	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	-0.009	0.031	0.782	0.065	255.447	TRUE	3.23E-55
Non-allergic asthma	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	0.010	0.070	0.890	0.010	37.290	TRUE	1.60E-09
Non-allergic asthma	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	-0.074	0.054	0.165	0.011	41.110	TRUE	6.27E-10
Non-allergic asthma	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	0.018	0.019	0.350	0.012	45.732	TRUE	4.56E-11
Non-allergic asthma	CAPZB	cg24593138	rs71645448	A	T	0.607	0.086	0.018	1.22E-12	-0.119	0.049	0.014	0.013	50.426	TRUE	1.64E-11
Non-allergic asthma	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	-0.029	0.029	0.311	0.031	116.494	TRUE	6.05E-26
Non-allergic asthma	CAPZB	cg24593138	rs72653937	T	A	-0.509	0.044	0.080	1.85E-30	0.032	0.024	0.189	0.034	131.507	TRUE	6.72E-29
Non-allergic asthma	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	-0.044	0.024	0.063	0.047	180.875	TRUE	9.91E-39
Non-allergic asthma	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	-0.036	0.045	0.422	0.009	34.569	TRUE	1.01E-08

Non-allergic asthma	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	-0.045	0.017	0.008	0.023	85.418	TRUE	1.17E-18
Non-allergic asthma	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	0.111	0.071	0.121	0.012	44.067	TRUE	1.69E-10
Non-allergic asthma	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	-0.064	0.048	0.186	0.013	47.360	TRUE	2.83E-11
Non-allergic asthma	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	0.036	0.101	0.721	0.009	33.401	TRUE	1.32E-08
Non-allergic asthma	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	0.034	0.028	0.237	0.049	190.977	TRUE	2.82E-41
Non-allergic asthma	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	-0.035	0.017	0.043	0.018	69.504	TRUE	1.21E-15
Non-allergic asthma	CAPZB	cg24671886	rs76799277	C	G	0.646	0.109	0.020	2.86E-09	0.016	0.031	0.595	0.009	35.259	TRUE	5.91E-09
Non-allergic asthma	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	-0.015	0.016	0.328	0.090	365.961	TRUE	5.87E-77
Non-allergic asthma	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	0.007	0.020	0.731	0.018	69.668	TRUE	2.10E-16
Non-allergic asthma	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	0.077	0.035	0.027	0.012	45.307	TRUE	1.56E-10
Non-allergic asthma	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	-0.035	0.041	0.404	0.030	116.327	TRUE	5.20E-26
Non-allergic asthma	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	0.023	0.032	0.467	0.021	78.333	TRUE	4.51E-18
Non-allergic asthma	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	0.014	0.049	0.779	0.083	336.849	TRUE	8.91E-72
Non-allergic asthma	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	-0.009	0.023	0.686	0.011	41.990	TRUE	1.89E-10
Non-allergic asthma	CAPZB	cg26824678	rs127037	G	C	0.415	0.027	0.259	2.78E-54	0.024	0.021	0.256	0.061	240.564	TRUE	1.79E-51
Non-allergic asthma	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	-0.013	0.017	0.462	0.016	58.238	TRUE	8.34E-14
Non-allergic asthma	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	0.060	0.059	0.309	0.027	101.634	TRUE	7.81E-23
Non-allergic asthma	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	0.000	0.019	0.996	0.039	151.340	TRUE	7.59E-34
Non-allergic asthma	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	-0.001	0.019	0.968	0.030	115.217	TRUE	3.19E-26
Non-allergic asthma	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	0.030	0.017	0.084	0.028	107.564	TRUE	1.08E-23
Non-allergic asthma	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	0.033	0.017	0.044	0.023	87.968	TRUE	1.75E-19
Non-allergic asthma	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	-0.036	0.017	0.034	0.443	2945.622	TRUE	<1E-200
Non-allergic asthma	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	-0.040	0.024	0.097	0.013	47.945	TRUE	2.82E-11
Non-allergic asthma	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	0.002	0.027	0.951	0.013	48.424	TRUE	5.82E-12
Non-allergic asthma	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	-0.025	0.019	0.188	0.017	65.553	TRUE	4.08E-15
Non-allergic asthma	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	-0.074	0.054	0.165	0.023	85.868	TRUE	2.40E-19
Non-allergic asthma	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	0.006	0.016	0.695	0.022	83.390	TRUE	2.66E-19
Non-allergic asthma	CAPZB	cg26824678	rs71645448	A	T	-1.011	0.085	0.018	1.32E-32	-0.119	0.049	0.014	0.037	141.315	TRUE	3.05E-30
Non-allergic asthma	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	0.107	0.118	0.367	0.009	34.763	TRUE	9.86E-09
Non-allergic asthma	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	-0.044	0.024	0.063	0.035	134.702	TRUE	3.08E-29
Non-allergic asthma	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	-0.064	0.048	0.186	0.029	109.754	TRUE	2.28E-24
Non-allergic asthma	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	0.036	0.101	0.721	0.025	95.335	TRUE	7.54E-22
Non-allergic asthma	CASP2	cg25992874	rs6959713	G	A	0.208	0.026	0.297	4.99E-16	0.026	0.020	0.185	0.017	65.764	TRUE	3.73E-15
Non-allergic asthma	CASP2	cg25992874	rs7780478	A	G	1.055	0.051	0.056	1.32E-96	0.030	0.037	0.412	0.105	434.775	TRUE	8.07E-91
Non-allergic asthma	CASP2	cg26596719	rs10274425	A	G	-0.161	0.026	0.295	4.83E-10	0.026	0.020	0.194	0.010	38.724	TRUE	1.88E-09
Non-allergic asthma	CASP2	cg26596719	rs3181165	A	G	1.602	0.076	0.054	1.18E-97	-0.082	0.037	0.027	0.106	439.598	TRUE	2.79E-90
Non-allergic asthma	CASP4	cg17552759	rs35309598	T	C	-0.486	0.080	0.022	1.26E-09	-0.251	0.102	0.014	0.010	36.855	TRUE	1.08E-08
Non-allergic asthma	CASP8	cg20608990	rs1045485	C	G	0.242	0.034	0.135	1.64E-12	0.049	0.026	0.055	0.013	49.844	TRUE	1.40E-11
Non-allergic asthma	CASP8	cg20608990	rs113338606	T	C	0.244	0.032	0.166	1.06E-14	0.011	0.021	0.592	0.016	59.750	TRUE	3.30E-14
Non-allergic asthma	CASP8	cg20608990	rs114465540	G	C	0.346	0.053	0.057	8.38E-11	-0.093	0.041	0.022	0.011	42.145	TRUE	7.64E-10
Non-allergic asthma	CASP8	cg20608990	rs12616362	T	G	-0.260	0.026	0.261	7.66E-23	-0.001	0.016	0.964	0.025	96.749	TRUE	2.61E-22
Non-allergic asthma	CASP8	cg20608990	rs13028339	T	C	0.497	0.023	0.496	1.05E-103	0.001	0.016	0.937	0.112	467.388	TRUE	4.40E-98

Non-allergic asthma	CASP8	cg20608990	rs145395636	T	A	-0.452	0.082	0.022	3.22E-08	0.041	0.064	0.523	0.008	30.556	TRUE	6.62E-08
Non-allergic asthma	CASP8	cg20608990	rs2540456	T	C	-0.296	0.051	0.057	6.17E-09	-0.020	0.039	0.605	0.009	33.763	TRUE	1.23E-08
Non-allergic asthma	CASP8	cg20608990	rs34652842	G	A	-0.139	0.024	0.366	9.29E-09	0.001	0.016	0.941	0.009	32.967	TRUE	1.34E-08
Non-allergic asthma	CASP8	cg20608990	rs576163194	G	A	-0.266	0.043	0.077	4.70E-10	0.014	0.031	0.638	0.010	38.775	TRUE	9.83E-10
Non-allergic asthma	CASP8	cg20608990	rs72931097	C	A	-0.958	0.066	0.031	1.57E-47	-0.069	0.044	0.116	0.054	209.618	TRUE	8.12E-45
Non-allergic asthma	CASP8	cg20608990	rs7603014	G	T	-0.260	0.044	0.069	2.83E-09	-0.006	0.033	0.857	0.009	35.278	TRUE	4.53E-09
Non-allergic asthma	CASP8	cg20608990	rs79224392	A	G	-0.281	0.051	0.058	2.98E-08	-0.018	0.042	0.671	0.008	30.706	TRUE	5.31E-08
Non-allergic asthma	CASP8	cg26799474	rs111820676	T	C	-0.331	0.049	0.064	1.52E-11	-0.014	0.038	0.702	0.012	45.479	TRUE	3.29E-11
Non-allergic asthma	CASP8	cg26799474	rs114707766	A	G	0.447	0.080	0.040	2.18E-08	0.094	0.063	0.136	0.008	31.312	TRUE	8.10E-08
Non-allergic asthma	CASP8	cg26799474	rs12620010	G	T	0.259	0.023	0.494	3.10E-28	0.003	0.016	0.859	0.032	121.351	TRUE	1.94E-27
Non-allergic asthma	CASP8	cg26799474	rs17383714	T	C	-0.250	0.042	0.089	2.60E-09	0.007	0.028	0.809	0.009	35.443	TRUE	4.36E-09
Non-allergic asthma	CASP8	cg26799474	rs2518142	G	A	-0.219	0.040	0.085	3.51E-08	-0.005	0.041	0.903	0.008	30.386	TRUE	5.08E-08
Non-allergic asthma	CASP8	cg26799474	rs4674520	T	C	-0.234	0.030	0.182	2.52E-15	0.009	0.019	0.642	0.017	62.578	TRUE	7.68E-15
Non-allergic asthma	CASP8	cg26799474	rs59674665	G	A	0.321	0.026	0.294	5.80E-36	0.036	0.017	0.029	0.041	156.666	TRUE	1.50E-33
Non-allergic asthma	CASP8	cg26842802	rs6754084	T	C	0.191	0.027	0.257	8.10E-13	0.019	0.017	0.257	0.014	51.231	TRUE	3.66E-12
Non-allergic asthma	CDC42	cg11572548	rs11583790	A	G	0.442	0.035	0.138	6.87E-37	0.004	0.022	0.862	0.042	160.905	TRUE	9.75E-36
Non-allergic asthma	CDC42	cg11572548	rs34870854	A	C	0.233	0.033	0.156	1.76E-12	-0.021	0.027	0.439	0.013	49.704	TRUE	5.68E-12
Non-allergic asthma	CDC42	cg21772489	rs12747516	A	G	-0.189	0.032	0.154	4.11E-09	0.032	0.028	0.244	0.009	34.550	TRUE	1.32E-08
Non-allergic asthma	CDC42	cg21772489	rs78715691	C	T	-1.167	0.110	0.022	2.62E-26	-0.121	0.060	0.043	0.030	112.552	TRUE	1.44E-24
Non-allergic asthma	CDC42	cg23987736	rs3754497	A	G	0.394	0.035	0.138	1.47E-29	0.004	0.022	0.862	0.033	127.395	TRUE	1.03E-28
Non-allergic asthma	CDC42	cg23987736	rs4565679	C	T	-0.133	0.024	0.373	3.82E-08	-0.009	0.016	0.553	0.008	30.224	TRUE	7.57E-08
Non-allergic asthma	CDC42	cg23987736	rs7536301	T	C	-0.340	0.043	0.078	4.53E-15	0.039	0.024	0.101	0.016	61.420	TRUE	4.10E-14
Non-allergic asthma	CHMP6	cg05640423	rs112531003	A	G	-0.471	0.062	0.036	3.59E-14	0.072	0.045	0.113	0.015	57.349	TRUE	2.78E-13
Non-allergic asthma	CHMP6	cg05640423	rs11653319	T	C	0.211	0.027	0.291	9.71E-15	-0.022	0.018	0.225	0.016	59.921	TRUE	5.70E-14
Non-allergic asthma	CHMP6	cg05640423	rs11653865	A	G	0.508	0.023	0.413	8.66E-104	-0.014	0.016	0.382	0.112	467.764	TRUE	2.82E-97
Non-allergic asthma	CHMP6	cg05640423	rs11653888	T	G	0.308	0.027	0.252	3.00E-30	-0.037	0.019	0.049	0.034	130.545	TRUE	2.60E-28
Non-allergic asthma	CHMP6	cg05640423	rs12603356	A	G	-0.179	0.024	0.473	9.23E-14	-0.029	0.016	0.066	0.015	55.494	TRUE	8.58E-13
Non-allergic asthma	CHMP6	cg05640423	rs2725399	C	T	-0.154	0.026	0.293	1.59E-09	0.012	0.018	0.498	0.010	36.396	TRUE	3.74E-09
Non-allergic asthma	CHMP6	cg05640423	rs58903229	A	T	-0.969	0.048	0.080	1.01E-89	0.027	0.033	0.421	0.098	403.156	TRUE	1.48E-84
Non-allergic asthma	CHMP6	cg05640423	rs62068550	A	G	0.244	0.035	0.143	2.03E-12	0.013	0.024	0.591	0.013	49.427	TRUE	5.31E-12
Non-allergic asthma	CHMP6	cg05640423	rs7502314	C	G	-0.167	0.030	0.188	2.80E-08	0.026	0.020	0.180	0.008	30.825	TRUE	9.30E-08
Non-allergic asthma	CHMP6	cg05640423	rs77734083	A	G	-1.125	0.089	0.018	1.69E-36	-0.054	0.047	0.255	0.041	159.122	TRUE	9.85E-35
Non-allergic asthma	CHMP6	cg05640423	rs8068653	G	C	-1.403	0.035	0.102	<1E-200	0.047	0.020	0.022	0.299	1579.351	TRUE	2.61E-296
Non-allergic asthma	CHMP6	cg06163904	rs11653319	T	C	0.159	0.027	0.291	5.17E-09	-0.022	0.018	0.225	0.009	34.105	TRUE	1.70E-08
Non-allergic asthma	CHMP6	cg06163904	rs2271603	T	C	-0.143	0.025	0.313	1.08E-08	-0.011	0.017	0.512	0.009	32.682	TRUE	2.32E-08
Non-allergic asthma	CHMP6	cg06163904	rs4969328	C	A	-0.297	0.024	0.414	1.86E-35	-0.019	0.016	0.244	0.040	154.357	TRUE	9.94E-34
Non-allergic asthma	CHMP6	cg06565604	rs60323363	A	G	0.133	0.023	0.412	1.18E-08	-0.022	0.016	0.176	0.009	32.499	TRUE	4.13E-08
Non-allergic asthma	CHMP6	cg13390332	rs113030162	G	A	0.268	0.027	0.252	2.51E-23	-0.037	0.019	0.049	0.026	98.956	TRUE	8.80E-22
Non-allergic asthma	CHMP6	cg13390332	rs34824166	T	C	-0.850	0.068	0.032	3.79E-36	0.191	0.063	0.002	0.041	157.512	TRUE	3.53E-33
Non-allergic asthma	CHMP6	cg13390332	rs6565524	T	C	-0.378	0.040	0.098	4.56E-21	0.048	0.027	0.072	0.023	88.669	TRUE	9.86E-20
Non-allergic asthma	CHMP6	cg13390332	rs72850551	A	G	-0.864	0.065	0.036	1.16E-40	-0.038	0.043	0.377	0.046	178.162	TRUE	7.64E-39
Non-allergic asthma	CHMP6	cg13390332	rs77734083	A	G	-0.746	0.090	0.018	8.25E-17	-0.054	0.047	0.255	0.018	69.312	TRUE	5.54E-16

Non-allergic asthma	CHMP6	cg13390332	rs8081168	C	A	-1.047	0.029	0.181	5.22E-291	0.047	0.018	0.011	0.264	1328.436	TRUE	3.22E-253
Non-allergic asthma	CHMP6	cg13390332	rs9915041	A	G	0.289	0.028	0.249	2.43E-25	0.010	0.018	0.559	0.028	108.139	TRUE	1.98E-24
Non-allergic asthma	CHMP6	cg16100749	rs34824166	T	C	-0.394	0.067	0.032	5.25E-09	0.191	0.063	0.002	0.009	34.077	TRUE	6.09E-08
Non-allergic asthma	CHMP6	cg16100749	rs7224252	A	G	-0.196	0.034	0.137	9.08E-09	0.026	0.024	0.282	0.009	33.010	TRUE	2.65E-08
Non-allergic asthma	CHMP6	cg16100749	rs8081168	C	A	-0.505	0.033	0.181	3.64E-53	0.047	0.018	0.011	0.060	235.442	TRUE	2.54E-49
Non-allergic asthma	CHMP6	cg17714010	rs60323363	A	G	0.146	0.023	0.412	3.61E-10	-0.022	0.016	0.176	0.011	39.293	TRUE	1.49E-09
Non-allergic asthma	CHMP6	cg18639049	rs4969328	C	A	0.155	0.024	0.414	7.11E-11	-0.019	0.016	0.244	0.011	42.464	TRUE	2.72E-10
Non-allergic asthma	CHMP6	cg20903433	rs8081168	C	A	-0.251	0.033	0.181	6.02E-14	0.047	0.018	0.011	0.015	56.334	TRUE	1.07E-12
Non-allergic asthma	CHMP6	cg25376409	rs35944727	C	T	0.162	0.027	0.252	1.81E-09	-0.040	0.019	0.032	0.010	36.149	TRUE	1.22E-08
Non-allergic asthma	CHMP6	cg25376409	rs72850551	A	G	-0.408	0.065	0.036	3.61E-10	-0.038	0.043	0.377	0.011	39.291	TRUE	1.04E-09
Non-allergic asthma	CHMP6	cg25376409	rs77734083	A	G	-0.523	0.090	0.018	5.54E-09	-0.054	0.047	0.255	0.009	33.971	TRUE	1.72E-08
Non-allergic asthma	CHMP6	cg25376409	rs8071514	C	A	0.168	0.024	0.453	1.05E-12	-0.015	0.016	0.328	0.014	50.716	TRUE	4.12E-12
Non-allergic asthma	CHMP6	cg25376409	rs8081168	C	A	-0.667	0.032	0.181	4.69E-94	0.047	0.018	0.011	0.103	423.063	TRUE	1.09E-86
Non-allergic asthma	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	0.002	0.016	0.895	0.014	52.012	TRUE	1.04E-12
Non-allergic asthma	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	0.046	0.042	0.271	0.014	52.555	TRUE	1.86E-12
Non-allergic asthma	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	0.017	0.033	0.605	0.009	32.855	TRUE	1.94E-08
Non-allergic asthma	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	-0.016	0.016	0.317	0.016	59.196	TRUE	6.67E-14
Non-allergic asthma	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	0.056	0.033	0.090	0.330	1817.779	TRUE	<1E-200
Non-allergic asthma	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	0.033	0.016	0.036	0.023	88.968	TRUE	1.19E-19
Non-allergic asthma	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	0.029	0.018	0.094	0.028	106.985	TRUE	1.33E-23
Non-allergic asthma	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	-0.014	0.021	0.508	0.011	39.531	TRUE	7.81E-10
Non-allergic asthma	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	-0.032	0.039	0.411	0.017	65.776	TRUE	2.27E-15
Non-allergic asthma	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	-0.086	0.054	0.108	0.017	64.538	TRUE	8.83E-15
Non-allergic asthma	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	-0.012	0.017	0.497	0.019	72.841	TRUE	6.25E-17
Non-allergic asthma	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	0.017	0.018	0.355	0.011	41.726	TRUE	3.24E-10
Non-allergic asthma	CLEC16A	cg00121339	rs3960630	A	C	0.183	0.028	0.222	3.10E-11	0.027	0.018	0.145	0.012	44.088	TRUE	1.55E-10
Non-allergic asthma	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	0.035	0.018	0.055	0.028	106.434	TRUE	2.33E-23
Non-allergic asthma	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	-0.023	0.016	0.158	0.075	299.324	TRUE	3.65E-63
Non-allergic asthma	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	-0.022	0.023	0.337	0.161	707.670	TRUE	1.58E-143
Non-allergic asthma	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	-0.099	0.057	0.082	0.014	51.405	TRUE	5.63E-12
Non-allergic asthma	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	0.016	0.022	0.459	0.009	32.640	TRUE	2.52E-08
Non-allergic asthma	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	-0.047	0.022	0.030	0.018	66.076	TRUE	7.20E-15
Non-allergic asthma	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	-0.025	0.016	0.121	0.019	73.132	TRUE	1.32E-16
Non-allergic asthma	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	0.046	0.042	0.271	0.014	52.740	TRUE	1.70E-12
Non-allergic asthma	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	0.010	0.016	0.524	0.012	45.917	TRUE	3.26E-11
Non-allergic asthma	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	0.013	0.024	0.588	0.030	112.666	TRUE	2.09E-25
Non-allergic asthma	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	0.056	0.033	0.090	0.066	261.606	TRUE	2.69E-55
Non-allergic asthma	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	0.012	0.019	0.504	0.015	56.091	TRUE	2.25E-13
Non-allergic asthma	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	-0.018	0.016	0.269	0.014	54.032	TRUE	9.10E-13
Non-allergic asthma	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	0.020	0.016	0.199	0.019	73.015	TRUE	1.07E-16
Non-allergic asthma	CLEC16A	cg02101434	rs248829	G	C	0.188	0.025	0.357	2.32E-14	0.010	0.017	0.578	0.015	58.209	TRUE	7.16E-14
Non-allergic asthma	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	0.020	0.029	0.502	0.076	302.166	TRUE	2.13E-64

Non-allergic asthma	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	0.013	0.024	0.583	0.009	33.983	TRUE	1.13E-08
Non-allergic asthma	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	-0.010	0.018	0.583	0.011	40.350	TRUE	4.77E-10
Non-allergic asthma	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	0.011	0.017	0.512	0.014	52.354	TRUE	1.39E-12
Non-allergic asthma	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	0.028	0.021	0.195	0.011	40.126	TRUE	9.46E-10
Non-allergic asthma	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	-0.042	0.017	0.011	0.072	288.915	TRUE	4.38E-60
Non-allergic asthma	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	-0.083	0.053	0.120	0.009	32.086	TRUE	5.80E-08
Non-allergic asthma	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	0.001	0.020	0.975	0.011	41.593	TRUE	1.71E-10
Non-allergic asthma	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	0.043	0.041	0.296	0.011	41.041	TRUE	4.98E-10
Non-allergic asthma	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	-0.086	0.054	0.114	0.012	43.128	TRUE	2.73E-10
Non-allergic asthma	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	-0.033	0.023	0.150	0.022	84.691	TRUE	4.49E-19
Non-allergic asthma	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	0.037	0.053	0.485	0.016	61.438	TRUE	1.68E-14
Non-allergic asthma	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	-0.015	0.018	0.424	0.082	331.161	TRUE	3.86E-70
Non-allergic asthma	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	0.045	0.040	0.252	0.033	126.080	TRUE	7.21E-28
Non-allergic asthma	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	-0.018	0.036	0.618	0.055	217.234	TRUE	3.45E-47
Non-allergic asthma	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	0.023	0.016	0.139	0.016	60.667	TRUE	5.09E-14
Non-allergic asthma	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	0.030	0.017	0.080	0.019	71.819	TRUE	3.04E-16
Non-allergic asthma	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	-0.065	0.021	0.002	0.009	32.295	TRUE	1.40E-07
Non-allergic asthma	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	-0.003	0.016	0.862	0.013	48.377	TRUE	6.56E-12
Non-allergic asthma	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	-0.030	0.049	0.536	0.010	37.194	TRUE	2.41E-09
Non-allergic asthma	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	0.007	0.016	0.663	0.065	257.463	TRUE	1.69E-55
Non-allergic asthma	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	0.001	0.020	0.971	0.048	188.382	TRUE	1.47E-41
Non-allergic asthma	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	0.022	0.026	0.393	0.064	251.330	TRUE	6.73E-54
Non-allergic asthma	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	0.001	0.016	0.930	0.036	137.835	TRUE	5.84E-31
Non-allergic asthma	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	-0.013	0.039	0.737	0.012	43.796	TRUE	7.30E-11
Non-allergic asthma	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	-0.072	0.040	0.071	0.013	47.342	TRUE	4.25E-11
Non-allergic asthma	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	-0.099	0.057	0.082	0.009	32.445	TRUE	5.50E-08
Non-allergic asthma	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	-0.064	0.030	0.031	0.025	96.102	TRUE	4.25E-21
Non-allergic asthma	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	0.010	0.020	0.619	0.025	96.297	TRUE	5.58E-22
Non-allergic asthma	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	0.026	0.017	0.115	0.118	494.295	TRUE	1.08E-101
Non-allergic asthma	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	0.039	0.025	0.117	0.034	129.354	TRUE	2.65E-28
Non-allergic asthma	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	-0.008	0.019	0.652	0.017	62.213	TRUE	9.07E-15
Non-allergic asthma	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	-0.023	0.024	0.335	0.053	205.610	TRUE	1.91E-44
Non-allergic asthma	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	-0.042	0.020	0.037	0.029	112.295	TRUE	1.75E-24
Non-allergic asthma	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	-0.032	0.039	0.411	0.011	39.870	TRUE	7.47E-10
Non-allergic asthma	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	-0.086	0.054	0.108	0.013	50.367	TRUE	8.34E-12
Non-allergic asthma	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	-0.034	0.022	0.116	0.014	50.897	TRUE	6.25E-12
Non-allergic asthma	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	-0.099	0.057	0.082	0.009	34.738	TRUE	1.81E-08
Non-allergic asthma	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	-0.035	0.022	0.121	0.082	329.037	TRUE	5.17E-69
Non-allergic asthma	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	0.052	0.030	0.087	0.015	56.577	TRUE	4.52E-13
Non-allergic asthma	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	0.037	0.022	0.089	0.009	34.069	TRUE	2.44E-08
Non-allergic asthma	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	0.020	0.029	0.502	0.012	45.951	TRUE	3.30E-11
Non-allergic asthma	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	0.045	0.040	0.252	0.065	257.083	TRUE	7.84E-55

Non-allergic asthma	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	-0.049	0.017	0.003	0.034	129.413	TRUE	1.60E-27
Non-allergic asthma	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	0.054	0.032	0.093	0.010	36.745	TRUE	6.54E-09
Non-allergic asthma	CLTA	cg13630493	rs2890703	T	C	0.175	0.023	0.454	9.24E-14	-0.017	0.016	0.292	0.015	55.492	TRUE	4.26E-13
Non-allergic asthma	CLTA	cg13630493	rs71531218	G	C	-0.264	0.034	0.154	3.50E-15	0.050	0.023	0.031	0.016	61.930	TRUE	5.21E-14
Non-allergic asthma	CLTCL1	cg00326231	rs5993574	C	G	0.677	0.047	0.071	8.82E-48	0.070	0.037	0.060	0.054	210.767	TRUE	8.03E-45
Non-allergic asthma	CLTCL1	cg01861096	rs13447233	C	T	-0.422	0.076	0.023	2.54E-08	-0.057	0.080	0.480	0.008	31.013	TRUE	5.52E-08
Non-allergic asthma	CLTCL1	cg01861096	rs13447253	C	G	-0.348	0.032	0.156	8.14E-27	-0.052	0.022	0.015	0.030	114.870	TRUE	8.00E-25
Non-allergic asthma	CLTCL1	cg07251788	rs146286482	C	T	-0.901	0.077	0.022	1.15E-31	-0.053	0.080	0.508	0.036	137.015	TRUE	1.95E-30
Non-allergic asthma	CLTCL1	cg07251788	rs28727347	T	C	-0.226	0.026	0.304	2.40E-18	-0.011	0.016	0.506	0.020	76.289	TRUE	1.14E-17
Non-allergic asthma	CLTCL1	cg07251788	rs36049601	A	G	-0.924	0.163	0.013	1.54E-08	0.118	0.040	0.003	0.009	31.986	TRUE	1.57E-07
Non-allergic asthma	CLTCL1	cg07251788	rs4819803	A	G	-0.312	0.024	0.340	1.84E-37	0.000	0.016	0.979	0.042	163.526	TRUE	2.21E-36
Non-allergic asthma	CLTCL1	cg07251788	rs5993574	C	G	0.440	0.047	0.071	9.63E-21	0.070	0.037	0.060	0.023	87.190	TRUE	2.19E-19
Non-allergic asthma	CLTCL1	cg07251788	rs8136117	A	C	-0.796	0.031	0.156	3.50E-144	-0.051	0.022	0.022	0.150	653.349	TRUE	1.83E-131
Non-allergic asthma	CLTCL1	cg14755831	rs9618586	T	C	-0.216	0.029	0.203	8.70E-14	-0.025	0.020	0.200	0.015	55.610	TRUE	4.93E-13
Non-allergic asthma	CLTCL1	cg15043989	rs5993574	C	G	-0.642	0.046	0.071	2.88E-44	0.070	0.037	0.060	0.050	194.672	TRUE	1.55E-41
Non-allergic asthma	CLTCL1	cg24911827	rs2070255	G	A	-0.302	0.045	0.078	1.97E-11	0.070	0.037	0.057	0.012	44.975	TRUE	1.44E-10
Non-allergic asthma	CLTCL1	cg24911827	rs9606017	A	G	0.136	0.024	0.487	8.72E-09	-0.003	0.016	0.848	0.009	33.090	TRUE	1.37E-08
Non-allergic asthma	CLTCL1	cg25970491	rs13447233	C	T	-0.556	0.076	0.023	2.05E-13	-0.057	0.080	0.480	0.014	53.931	TRUE	6.71E-13
Non-allergic asthma	CLTCL1	cg25970491	rs13447253	C	G	-0.554	0.032	0.156	7.21E-67	-0.052	0.022	0.015	0.075	298.277	TRUE	4.72E-62
Non-allergic asthma	CLTCL1	cg25970491	rs5748349	A	G	-0.147	0.024	0.479	4.38E-10	-0.002	0.016	0.886	0.010	38.913	TRUE	7.14E-10
Non-allergic asthma	CLU	cg02393097	rs1982229	T	C	0.202	0.024	0.336	1.36E-16	0.022	0.016	0.191	0.018	68.329	TRUE	1.06E-15
Non-allergic asthma	CLU	cg03735511	rs9331888	G	C	-0.271	0.026	0.291	2.41E-26	0.038	0.017	0.020	0.030	112.717	TRUE	1.93E-24
Non-allergic asthma	CLU	cg13620439	rs74614358	A	T	0.187	0.034	0.136	2.51E-08	-0.002	0.024	0.921	0.008	31.040	TRUE	3.59E-08
Non-allergic asthma	CLU	cg13620439	rs867231	C	G	0.195	0.027	0.257	3.94E-13	0.001	0.021	0.944	0.014	52.646	TRUE	7.19E-13
Non-allergic asthma	CLU	cg16292768	rs867230	C	A	-0.312	0.024	0.399	7.43E-40	-0.023	0.016	0.156	0.045	174.477	TRUE	1.03E-37
Non-allergic asthma	CLU	cg18931633	rs73231005	G	C	-0.224	0.026	0.286	1.21E-17	-0.012	0.020	0.533	0.019	73.102	TRUE	5.19E-17
Non-allergic asthma	COL2A1	cg01906695	rs10875719	C	T	-0.195	0.024	0.365	7.52E-16	-0.012	0.016	0.447	0.017	64.958	TRUE	3.18E-15
Non-allergic asthma	COL2A1	cg01906695	rs79159228	A	C	0.267	0.045	0.075	2.46E-09	-0.020	0.029	0.493	0.010	35.554	TRUE	5.70E-09
Non-allergic asthma	COL2A1	cg05342945	rs12228854	T	G	-0.205	0.028	0.218	4.66E-13	-0.035	0.022	0.107	0.014	52.316	TRUE	3.26E-12
Non-allergic asthma	COL2A1	cg05342945	rs2732439	C	A	0.136	0.024	0.452	9.49E-09	-0.006	0.016	0.685	0.009	32.926	TRUE	1.73E-08
Non-allergic asthma	COL2A1	cg05342945	rs6580647	A	C	0.305	0.032	0.167	2.06E-21	0.061	0.018	8.71E-04	0.024	90.238	TRUE	2.56E-19
Non-allergic asthma	COL2A1	cg08886711	rs3803184	G	C	0.220	0.033	0.167	1.37E-11	0.060	0.018	9.12E-04	0.012	45.685	TRUE	3.13E-10
Non-allergic asthma	COL2A1	cg10502244	rs11168450	A	G	0.140	0.024	0.377	9.00E-09	0.021	0.016	0.184	0.009	33.029	TRUE	3.13E-08
Non-allergic asthma	COL2A1	cg10502244	rs12717995	C	T	-0.361	0.045	0.069	1.84E-15	-0.050	0.030	0.100	0.017	63.192	TRUE	1.75E-14
Non-allergic asthma	COL2A1	cg10502244	rs141415801	T	G	-0.470	0.084	0.020	1.85E-08	0.142	0.069	0.039	0.008	31.629	TRUE	1.02E-07
Non-allergic asthma	COL2A1	cg10502244	rs74802509	A	G	0.277	0.045	0.075	5.37E-10	-0.020	0.029	0.485	0.010	38.518	TRUE	1.33E-09
Non-allergic asthma	COL2A1	cg12235144	rs6580649	T	C	-0.244	0.032	0.169	1.53E-14	0.057	0.018	0.002	0.016	59.022	TRUE	4.94E-13
Non-allergic asthma	COL2A1	cg17342302	rs7132668	C	T	-0.252	0.032	0.170	1.86E-15	0.063	0.018	5.23E-04	0.017	63.173	TRUE	9.69E-14
Non-allergic asthma	COL2A1	cg18990042	rs3803184	G	C	0.284	0.033	0.167	2.22E-18	0.060	0.018	9.12E-04	0.020	76.445	TRUE	1.65E-16
Non-allergic asthma	COL2A1	cg19066141	rs1635528	C	T	0.342	0.032	0.170	9.89E-27	0.060	0.018	8.25E-04	0.030	114.485	TRUE	3.01E-24
Non-allergic asthma	COL2A1	cg19601035	rs10875722	G	T	0.142	0.025	0.387	8.62E-09	0.039	0.016	0.012	0.009	33.112	TRUE	6.71E-08
Non-allergic asthma	COL2A1	cg24011408	rs117328080	T	C	0.345	0.054	0.094	2.19E-10	0.043	0.033	0.191	0.011	40.269	TRUE	8.90E-10

Non-allergic asthma	COL2A1	cg24011408	rs117938743	G	C	0.406	0.072	0.049	1.37E-08	0.005	0.046	0.921	0.009	32.206	TRUE	2.00E-08
Non-allergic asthma	COL2A1	cg24011408	rs12717995	C	T	0.284	0.045	0.069	3.44E-10	-0.050	0.030	0.100	0.011	39.387	TRUE	1.77E-09
Non-allergic asthma	COL2A1	cg24011408	rs17614932	C	A	-0.307	0.046	0.070	1.43E-11	-0.036	0.052	0.491	0.012	45.606	TRUE	3.97E-11
Non-allergic asthma	COL2A1	cg24011408	rs1793959	T	C	-0.524	0.043	0.083	2.53E-34	0.051	0.024	0.032	0.039	149.169	TRUE	4.90E-32
Non-allergic asthma	COL2A1	cg24011408	rs34392760	A	T	-0.314	0.053	0.047	3.70E-09	-0.084	0.047	0.073	0.009	34.759	TRUE	1.86E-08
Non-allergic asthma	COL2A1	cg24011408	rs59027910	A	G	0.322	0.029	0.188	8.86E-28	-0.007	0.020	0.720	0.031	119.267	TRUE	6.76E-27
Non-allergic asthma	COL2A1	cg24011408	rs78730237	A	G	-0.365	0.046	0.074	1.23E-15	0.054	0.026	0.042	0.017	63.996	TRUE	1.73E-14
Non-allergic asthma	COL2A1	cg24011408	rs79159228	A	C	-0.363	0.044	0.075	3.30E-16	-0.020	0.029	0.493	0.018	66.579	TRUE	1.34E-15
Non-allergic asthma	CSF2	cg08324925	rs11950815	A	G	0.217	0.024	0.370	4.49E-19	-0.064	0.018	3.16E-04	0.021	79.598	TRUE	5.03E-17
Non-allergic asthma	CSF2	cg08324925	rs1291602	T	C	-0.201	0.033	0.157	1.19E-09	-0.003	0.021	0.902	0.010	36.972	TRUE	1.86E-09
Non-allergic asthma	CSF2	cg08324925	rs31467	T	C	0.384	0.023	0.489	3.73E-60	-0.010	0.016	0.519	0.067	267.484	TRUE	2.27E-57
Non-allergic asthma	CSF2	cg08324925	rs77335401	C	T	-0.318	0.037	0.121	4.23E-18	0.073	0.019	1.48E-04	0.020	75.170	TRUE	4.84E-16
Non-allergic asthma	CSF2	cg13259290	rs1030271	G	C	0.156	0.024	0.351	1.26E-10	-0.072	0.018	5.59E-05	0.011	41.355	TRUE	4.06E-09
Non-allergic asthma	CSF2	cg13259290	rs31467	T	C	0.215	0.024	0.489	8.91E-20	-0.010	0.016	0.519	0.022	82.794	TRUE	4.70E-19
Non-allergic asthma	CSF2	cg16465129	rs17674015	A	C	0.215	0.024	0.367	1.29E-19	-0.053	0.019	0.004	0.022	82.060	TRUE	7.26E-18
Non-allergic asthma	CSF2	cg16465129	rs283753	C	T	-0.188	0.033	0.144	1.34E-08	0.027	0.025	0.288	0.009	32.248	TRUE	3.82E-08
Non-allergic asthma	CSF2	cg16565692	rs3864277	A	G	0.238	0.023	0.433	1.45E-24	-0.068	0.018	1.02E-04	0.028	104.601	TRUE	5.87E-22
Non-allergic asthma	CSF2	cg26369418	rs31467	T	C	0.147	0.024	0.489	6.49E-10	-0.010	0.016	0.519	0.010	38.149	TRUE	1.53E-09
Non-allergic asthma	CTTN	cg02011981	rs12808511	G	A	0.155	0.027	0.243	1.68E-08	0.046	0.018	0.011	0.009	31.814	TRUE	1.28E-07
Non-allergic asthma	CTTN	cg02848448	rs10793121	C	T	-0.149	0.025	0.343	1.97E-09	-0.019	0.016	0.249	0.010	35.982	TRUE	6.48E-09
Non-allergic asthma	CTTN	cg02848448	rs145682166	G	A	0.817	0.084	0.017	1.66E-22	0.083	0.047	0.078	0.025	95.224	TRUE	4.10E-21
Non-allergic asthma	CTTN	cg02848448	rs1940236	T	C	0.231	0.038	0.112	8.54E-10	0.030	0.020	0.136	0.010	37.613	TRUE	3.73E-09
Non-allergic asthma	CTTN	cg05226335	rs11602439	A	G	-0.462	0.039	0.105	2.51E-32	0.006	0.024	0.798	0.036	140.043	TRUE	2.55E-31
Non-allergic asthma	CTTN	cg05226335	rs12800676	A	C	0.830	0.020	0.454	<1E-200	0.021	0.016	0.192	0.323	1765.546	TRUE	<1E-200
Non-allergic asthma	CTTN	cg05226335	rs143873972	A	T	0.227	0.035	0.284	1.24E-10	0.011	0.018	0.546	0.011	41.382	TRUE	2.99E-10
Non-allergic asthma	CTTN	cg05226335	rs147959065	G	A	0.810	0.146	0.017	2.88E-08	-0.081	0.083	0.330	0.008	30.769	TRUE	7.47E-08
Non-allergic asthma	CTTN	cg05226335	rs1876	C	T	0.273	0.039	0.097	2.48E-12	-0.044	0.024	0.070	0.013	49.031	TRUE	1.89E-11
Non-allergic asthma	CTTN	cg05226335	rs34199493	T	C	-0.209	0.024	0.445	3.91E-18	0.028	0.016	0.080	0.020	75.324	TRUE	5.64E-17
Non-allergic asthma	CTTN	cg05226335	rs35354974	G	A	0.506	0.035	0.146	2.30E-46	0.007	0.020	0.731	0.052	204.284	TRUE	1.24E-44
Non-allergic asthma	CTTN	cg05226335	rs3781658	A	G	-0.145	0.024	0.424	1.28E-09	0.040	0.016	0.012	0.010	36.822	TRUE	1.15E-08
Non-allergic asthma	CTTN	cg05226335	rs556615	G	C	0.230	0.026	0.256	3.06E-18	-0.044	0.019	0.022	0.020	75.812	TRUE	7.84E-17
Non-allergic asthma	CTTN	cg05226335	rs61887408	A	G	0.589	0.080	0.021	2.32E-13	0.028	0.072	0.702	0.014	53.688	TRUE	5.67E-13
Non-allergic asthma	CTTN	cg05226335	rs77584792	T	C	0.997	0.114	0.027	2.13E-18	-0.013	0.030	0.670	0.020	76.525	TRUE	7.92E-18
Non-allergic asthma	CTTN	cg05226335	rs7940864	T	C	-0.201	0.026	0.294	7.47E-15	-0.035	0.017	0.035	0.016	60.436	TRUE	1.02E-13
Non-allergic asthma	CTTN	cg07005180	rs12802229	A	G	0.186	0.028	0.221	4.18E-11	0.049	0.019	0.011	0.012	43.502	TRUE	4.82E-10
Non-allergic asthma	CTTN	cg09869226	rs3132424	G	T	0.347	0.023	0.447	1.45E-50	0.023	0.016	0.135	0.057	223.522	TRUE	1.03E-47
Non-allergic asthma	CTTN	cg10395806	rs10793121	C	T	-0.180	0.025	0.343	3.71E-13	-0.019	0.016	0.249	0.014	52.762	TRUE	1.76E-12
Non-allergic asthma	CTTN	cg11194613	rs10793121	C	T	-0.170	0.025	0.343	6.97E-12	-0.019	0.016	0.249	0.013	47.010	TRUE	2.92E-11
Non-allergic asthma	CTTN	cg11194613	rs544083581	G	T	-0.419	0.068	0.031	5.61E-10	0.094	0.101	0.349	0.010	38.430	TRUE	1.66E-09
Non-allergic asthma	CTTN	cg12127706	rs117711190	C	T	0.383	0.068	0.031	1.48E-08	0.015	0.032	0.633	0.009	32.056	TRUE	2.81E-08
Non-allergic asthma	CTTN	cg12127706	rs12800598	G	T	-0.732	0.024	0.298	1.44E-202	0.024	0.017	0.152	0.199	921.741	TRUE	9.32E-183
Non-allergic asthma	CTTN	cg12127706	rs1876	C	T	-0.260	0.039	0.097	2.57E-11	-0.044	0.024	0.070	0.012	44.454	TRUE	1.72E-10

Non-allergic asthma	CTTN	cg12127706	rs2186797	C	T	0.292	0.045	0.074	1.25E-10	-0.095	0.044	0.031	0.011	41.366	TRUE	1.00E-09
Non-allergic asthma	CTTN	cg12127706	rs34199493	T	C	0.171	0.024	0.445	1.18E-12	0.028	0.016	0.080	0.013	50.485	TRUE	8.87E-12
Non-allergic asthma	CTTN	cg12127706	rs35512487	T	C	-0.353	0.028	0.216	1.17E-35	-0.016	0.017	0.351	0.040	155.269	TRUE	4.55E-34
Non-allergic asthma	CTTN	cg12127706	rs61887408	A	G	-0.562	0.081	0.021	2.95E-12	0.028	0.072	0.702	0.013	48.695	TRUE	6.69E-12
Non-allergic asthma	CTTN	cg12127706	rs74493812	G	C	-0.290	0.051	0.054	1.32E-08	0.014	0.027	0.604	0.009	32.279	TRUE	2.58E-08
Non-allergic asthma	CTTN	cg12127706	rs74685551	T	C	0.678	0.119	0.022	1.30E-08	0.086	0.098	0.379	0.009	32.308	TRUE	3.27E-08
Non-allergic asthma	CTTN	cg12127706	rs77584792	T	C	-0.685	0.115	0.027	2.46E-09	-0.013	0.030	0.670	0.010	35.555	TRUE	4.72E-09
Non-allergic asthma	CTTN	cg12127706	rs7940864	T	C	0.193	0.026	0.294	9.80E-14	-0.035	0.017	0.035	0.015	55.377	TRUE	1.15E-12
Non-allergic asthma	CTTN	cg12127706	rs7943389	C	T	0.226	0.033	0.146	4.42E-12	0.012	0.022	0.579	0.013	47.904	TRUE	1.14E-11
Non-allergic asthma	CTTN	cg13414679	rs11236166	C	T	-0.195	0.028	0.230	4.39E-12	0.048	0.019	0.013	0.013	47.917	TRUE	5.63E-11
Non-allergic asthma	CTTN	cg13414679	rs12283131	G	A	-0.250	0.025	0.339	4.54E-24	0.011	0.016	0.498	0.027	102.345	TRUE	3.67E-23
Non-allergic asthma	CTTN	cg13802316	rs11236302	T	C	0.558	0.035	0.146	7.47E-56	0.017	0.021	0.411	0.063	247.763	TRUE	3.38E-53
Non-allergic asthma	CTTN	cg13802316	rs147959065	G	A	0.806	0.146	0.017	3.32E-08	-0.081	0.083	0.330	0.008	30.493	TRUE	8.56E-08
Non-allergic asthma	CTTN	cg13802316	rs1876	C	T	0.279	0.039	0.097	7.64E-13	-0.044	0.024	0.070	0.014	51.344	TRUE	6.18E-12
Non-allergic asthma	CTTN	cg13802316	rs2186797	C	T	-0.254	0.045	0.074	2.36E-08	-0.095	0.044	0.031	0.008	31.153	TRUE	1.37E-07
Non-allergic asthma	CTTN	cg13802316	rs34199493	T	C	-0.204	0.024	0.445	2.56E-17	0.028	0.016	0.080	0.019	71.621	TRUE	3.34E-16
Non-allergic asthma	CTTN	cg13802316	rs525595	A	C	0.349	0.028	0.228	3.02E-35	0.049	0.019	0.010	0.040	153.388	TRUE	1.25E-32
Non-allergic asthma	CTTN	cg13802316	rs555745	G	T	0.227	0.026	0.256	4.67E-18	-0.044	0.019	0.024	0.020	74.975	TRUE	1.13E-16
Non-allergic asthma	CTTN	cg13802316	rs670012	G	T	0.812	0.021	0.340	<1E-200	0.008	0.016	0.602	0.279	1429.041	TRUE	3.18E-274
Non-allergic asthma	CTTN	cg13802316	rs77584792	T	C	0.955	0.114	0.027	5.56E-17	-0.013	0.030	0.670	0.019	70.091	TRUE	1.85E-16
Non-allergic asthma	CTTN	cg13802316	rs7940864	T	C	-0.172	0.026	0.294	2.73E-11	-0.035	0.017	0.035	0.012	44.337	TRUE	2.30E-10
Non-allergic asthma	CTTN	cg13802316	rs7943389	C	T	-0.458	0.032	0.146	1.24E-45	0.012	0.022	0.579	0.052	200.930	TRUE	8.77E-44
Non-allergic asthma	CTTN	cg14191688	rs12795250	C	T	0.356	0.028	0.221	3.62E-36	0.049	0.019	0.010	0.041	157.603	TRUE	1.73E-33
Non-allergic asthma	CTTN	cg15465439	rs4523719	G	A	0.188	0.032	0.487	7.70E-09	0.011	0.016	0.477	0.009	33.332	TRUE	1.75E-08
Non-allergic asthma	CTTN	cg15465439	rs7944627	C	A	0.440	0.028	0.226	3.97E-56	0.047	0.019	0.014	0.063	249.023	TRUE	3.96E-52
Non-allergic asthma	CTTN	cg16061668	rs12801468	A	G	0.255	0.029	0.215	8.20E-19	0.049	0.019	0.010	0.021	78.408	TRUE	3.00E-17
Non-allergic asthma	CTTN	cg16629523	rs11236048	G	A	-0.290	0.028	0.218	2.17E-24	-0.017	0.017	0.317	0.027	103.809	TRUE	2.69E-23
Non-allergic asthma	CTTN	cg16629523	rs12800598	G	T	-0.662	0.024	0.298	1.04E-161	0.024	0.017	0.152	0.166	733.900	TRUE	7.61E-148
Non-allergic asthma	CTTN	cg16629523	rs1876	C	T	-0.224	0.039	0.097	9.89E-09	-0.044	0.024	0.070	0.009	32.845	TRUE	4.77E-08
Non-allergic asthma	CTTN	cg16629523	rs2186797	C	T	0.253	0.045	0.074	2.73E-08	-0.095	0.044	0.031	0.008	30.876	TRUE	1.56E-07
Non-allergic asthma	CTTN	cg16629523	rs2509140	A	C	0.135	0.024	0.451	2.01E-08	0.026	0.016	0.092	0.008	31.467	TRUE	8.55E-08
Non-allergic asthma	CTTN	cg16629523	rs61887408	A	G	-0.503	0.081	0.021	4.20E-10	0.028	0.072	0.702	0.010	38.994	TRUE	8.24E-10
Non-allergic asthma	CTTN	cg16629523	rs74685551	T	C	0.683	0.119	0.022	9.70E-09	0.086	0.098	0.379	0.009	32.883	TRUE	2.46E-08
Non-allergic asthma	CTTN	cg16629523	rs7940864	T	C	0.160	0.026	0.294	6.98E-10	-0.035	0.017	0.035	0.010	38.007	TRUE	4.85E-09
Non-allergic asthma	CTTN	cg16629523	rs7943389	C	T	0.192	0.033	0.146	4.25E-09	0.012	0.022	0.579	0.009	34.489	TRUE	8.81E-09
Non-allergic asthma	CTTN	cg17631184	rs34053053	T	C	-0.200	0.034	0.141	6.54E-09	0.052	0.023	0.023	0.009	33.648	TRUE	4.43E-08
Non-allergic asthma	CTTN	cg22720428	rs4570606	C	T	0.152	0.028	0.244	3.71E-08	0.046	0.018	0.011	0.008	30.278	TRUE	2.69E-07
Non-allergic asthma	CTTN	cg24395117	rs4367974	T	C	0.207	0.034	0.153	8.66E-10	0.029	0.023	0.199	0.010	37.584	TRUE	3.25E-09
Non-allergic asthma	CTTN	cg25587405	rs12801756	G	A	0.153	0.027	0.245	1.53E-08	0.047	0.018	0.009	0.009	32.003	TRUE	1.22E-07
Non-allergic asthma	CTTN	cg27326318	rs2298396	T	C	0.252	0.028	0.225	6.64E-19	0.047	0.019	0.014	0.021	78.824	TRUE	2.19E-17
Non-allergic asthma	CX3CL1	cg01555705	rs675841	A	G	0.238	0.028	0.214	6.91E-17	-0.035	0.021	0.102	0.018	69.661	TRUE	7.68E-16
Non-allergic asthma	CX3CL1	cg06166915	rs62037087	T	C	-0.426	0.054	0.051	1.97E-15	0.110	0.047	0.021	0.017	63.064	TRUE	3.49E-14

Non-allergic asthma	CX3CL1	cg15195412	rs11644148	G	C	-0.232	0.030	0.175	2.17E-14	-0.038	0.024	0.109	0.016	58.341	TRUE	1.75E-13
Non-allergic asthma	CX3CL1	cg26644853	rs72301	A	G	-0.350	0.049	0.061	1.40E-12	-0.034	0.029	0.249	0.013	50.157	TRUE	6.27E-12
Non-allergic asthma	DCC	cg00399483	rs1222938	G	A	-0.157	0.027	0.262	7.15E-09	0.002	0.017	0.913	0.009	33.475	TRUE	1.06E-08
Non-allergic asthma	DCC	cg00399483	rs12965852	A	G	-0.340	0.049	0.062	5.41E-12	0.000	0.025	0.987	0.013	47.508	TRUE	8.84E-12
Non-allergic asthma	DCC	cg00399483	rs2060125	C	T	-0.173	0.024	0.372	3.86E-13	0.020	0.016	0.207	0.014	52.684	TRUE	2.01E-12
Non-allergic asthma	DCC	cg00399483	rs7242705	A	T	0.461	0.024	0.360	1.28E-83	-0.018	0.017	0.271	0.092	375.147	TRUE	1.13E-78
Non-allergic asthma	DCC	cg00399483	rs9952404	C	T	-0.228	0.024	0.340	1.26E-20	0.010	0.016	0.521	0.023	86.664	TRUE	7.13E-20
Non-allergic asthma	DCC	cg05416337	rs10502942	T	C	-0.969	0.034	0.112	2.46E-183	0.025	0.035	0.478	0.184	833.317	TRUE	1.71E-167
Non-allergic asthma	DCC	cg05416337	rs1144049	C	T	-0.191	0.024	0.447	5.67E-16	0.001	0.017	0.936	0.017	65.514	TRUE	1.25E-15
Non-allergic asthma	DCC	cg05416337	rs117072189	G	T	-0.637	0.089	0.023	7.75E-13	0.033	0.078	0.675	0.014	51.316	TRUE	1.89E-12
Non-allergic asthma	DCC	cg05416337	rs1222914	C	G	0.303	0.042	0.078	5.23E-13	-0.027	0.024	0.267	0.014	52.087	TRUE	2.36E-12
Non-allergic asthma	DCC	cg05416337	rs12457059	A	C	0.448	0.030	0.193	1.38E-51	-0.011	0.019	0.547	0.058	228.208	TRUE	2.29E-49
Non-allergic asthma	DCC	cg05416337	rs12607660	T	C	-0.182	0.024	0.458	1.47E-14	0.003	0.016	0.855	0.016	59.103	TRUE	3.26E-14
Non-allergic asthma	DCC	cg05416337	rs12608309	C	T	-0.240	0.039	0.097	7.26E-10	-0.034	0.032	0.289	0.010	37.928	TRUE	2.33E-09
Non-allergic asthma	DCC	cg05416337	rs1443579	T	C	0.478	0.031	0.161	3.87E-52	0.001	0.020	0.968	0.059	230.737	TRUE	2.50E-50
Non-allergic asthma	DCC	cg05416337	rs1445104	G	T	-0.163	0.023	0.481	2.59E-12	-0.037	0.016	0.021	0.013	48.950	TRUE	2.94E-11
Non-allergic asthma	DCC	cg05416337	rs145810822	G	T	-0.904	0.095	0.033	1.12E-21	-0.058	0.053	0.271	0.024	91.448	TRUE	1.18E-20
Non-allergic asthma	DCC	cg05416337	rs1562175	T	C	-0.356	0.031	0.165	2.42E-30	0.007	0.021	0.747	0.034	130.973	TRUE	2.23E-29
Non-allergic asthma	DCC	cg05416337	rs16954946	C	G	0.392	0.068	0.030	9.73E-09	-0.039	0.048	0.409	0.009	32.878	TRUE	2.37E-08
Non-allergic asthma	DCC	cg05416337	rs17669415	G	C	0.564	0.024	0.319	1.03E-119	-0.029	0.017	0.081	0.128	540.915	TRUE	1.44E-110
Non-allergic asthma	DCC	cg05416337	rs17669944	T	C	-0.585	0.053	0.047	5.82E-28	0.014	0.032	0.665	0.031	120.101	TRUE	4.98E-27
Non-allergic asthma	DCC	cg05416337	rs28439197	G	A	-0.177	0.024	0.454	1.31E-13	0.029	0.016	0.068	0.015	54.807	TRUE	1.18E-12
Non-allergic asthma	DCC	cg05416337	rs2850943	C	T	-0.443	0.040	0.095	8.61E-29	0.026	0.022	0.231	0.032	123.889	TRUE	2.21E-27
Non-allergic asthma	DCC	cg05416337	rs34220152	G	C	-0.828	0.114	0.021	4.03E-13	0.162	0.081	0.046	0.014	52.597	TRUE	3.95E-12
Non-allergic asthma	DCC	cg05416337	rs35624144	C	T	-0.151	0.024	0.476	2.40E-10	0.017	0.016	0.293	0.011	40.092	TRUE	7.98E-10
Non-allergic asthma	DCC	cg05416337	rs4041457	A	G	-1.054	0.025	0.194	<1E-200	0.025	0.019	0.189	0.320	1741.031	TRUE	<1E-200
Non-allergic asthma	DCC	cg05416337	rs62081913	T	C	-0.440	0.061	0.041	4.37E-13	0.102	0.061	0.091	0.014	52.439	TRUE	3.29E-12
Non-allergic asthma	DCC	cg05416337	rs72922665	A	G	-0.307	0.035	0.129	4.12E-18	-0.046	0.025	0.072	0.020	75.222	TRUE	6.25E-17
Non-allergic asthma	DCC	cg05416337	rs75117057	T	A	-0.806	0.078	0.024	3.98E-25	-0.041	0.049	0.410	0.028	107.164	TRUE	4.27E-24
Non-allergic asthma	DCC	cg05416337	rs8089622	G	T	0.158	0.029	0.200	3.69E-08	0.019	0.018	0.289	0.008	30.287	TRUE	1.00E-07
Non-allergic asthma	DCC	cg18841634	rs7242705	A	T	-0.253	0.024	0.360	1.33E-25	-0.018	0.017	0.271	0.029	109.328	TRUE	2.12E-24
Non-allergic asthma	DCC	cg18866015	rs2879423	C	G	-0.195	0.027	0.238	7.82E-13	0.002	0.017	0.926	0.014	51.300	TRUE	1.43E-12
Non-allergic asthma	DCC	cg18866015	rs34420569	C	T	0.188	0.024	0.385	3.71E-15	-0.021	0.016	0.186	0.016	61.815	TRUE	2.52E-14
Non-allergic asthma	DCC	cg18866015	rs9950982	T	C	-0.217	0.027	0.249	1.96E-15	0.005	0.016	0.776	0.017	63.073	TRUE	5.06E-15
Non-allergic asthma	DCC	cg18866015	rs9966338	G	C	-0.328	0.024	0.338	2.19E-41	-0.004	0.016	0.784	0.047	181.484	TRUE	5.89E-40
Non-allergic asthma	DCC	cg20917891	rs7242705	A	T	0.300	0.024	0.360	8.35E-36	-0.018	0.017	0.271	0.040	155.942	TRUE	4.24E-34
Non-allergic asthma	DCC	cg21623566	rs17747515	T	C	0.151	0.025	0.318	1.09E-09	-0.029	0.017	0.083	0.010	37.138	TRUE	5.61E-09
Non-allergic asthma	DCC	cg24084891	rs76178218	T	C	-0.195	0.031	0.161	3.97E-10	-0.001	0.020	0.943	0.010	39.106	TRUE	6.14E-10
Non-allergic asthma	DCC	cg25602457	rs13381479	T	G	0.348	0.025	0.316	3.02E-44	-0.035	0.017	0.045	0.050	194.580	TRUE	2.00E-41
Non-allergic asthma	DCC	cg25818763	rs8083215	A	G	-0.187	0.025	0.323	5.54E-14	-0.029	0.017	0.080	0.015	56.499	TRUE	4.88E-13
Non-allergic asthma	DDRGK1	cg22582364	rs2236094	C	G	-0.173	0.029	0.201	1.88E-09	-0.022	0.023	0.345	0.010	36.073	TRUE	5.33E-09
Non-allergic asthma	DDRGK1	cg22582364	rs6051634	G	A	0.146	0.023	0.439	4.96E-10	-0.013	0.016	0.421	0.010	38.673	TRUE	1.33E-09

Non-allergic asthma	DDRGK1	cg22582364	rs6051640	T	C	-0.686	0.043	0.077	2.41E-56	-0.031	0.033	0.355	0.063	250.015	TRUE	1.42E-53
Non-allergic asthma	DDRGK1	cg22582364	rs77703802	C	T	-0.512	0.084	0.020	9.21E-10	-0.041	0.046	0.374	0.010	37.466	TRUE	2.57E-09
Non-allergic asthma	DDRGK1	cg27583383	rs11697114	C	T	-0.238	0.035	0.124	7.64E-12	-0.036	0.029	0.216	0.013	46.829	TRUE	3.42E-11
Non-allergic asthma	DDRGK1	cg27583383	rs6037501	T	G	0.315	0.029	0.215	3.42E-28	0.055	0.022	0.015	0.032	121.154	TRUE	4.13E-26
Non-allergic asthma	DDX47	cg13523561	rs56303669	G	T	0.366	0.038	0.173	5.58E-22	0.058	0.019	0.002	0.024	92.822	TRUE	5.47E-20
Non-allergic asthma	DDX47	cg14463304	rs11834397	G	T	0.156	0.024	0.364	1.56E-10	-0.028	0.016	0.091	0.011	40.931	TRUE	8.62E-10
Non-allergic asthma	DDX47	cg21196265	rs11055070	G	A	-0.143	0.024	0.358	4.27E-09	0.028	0.016	0.078	0.009	34.479	TRUE	2.09E-08
Non-allergic asthma	DDX47	cg21196265	rs11832039	G	C	0.174	0.025	0.367	1.64E-12	-0.024	0.016	0.140	0.013	49.848	TRUE	9.61E-12
Non-allergic asthma	DEF8	cg01883217	rs11649196	A	G	-0.343	0.033	0.145	1.01E-24	-0.042	0.031	0.175	0.028	105.317	TRUE	2.01E-23
Non-allergic asthma	DEF8	cg01883217	rs11649211	G	C	-0.500	0.025	0.281	4.06E-87	-0.039	0.019	0.041	0.096	391.209	TRUE	6.38E-81
Non-allergic asthma	DEF8	cg01883217	rs12595968	T	G	0.268	0.048	0.066	2.06E-08	0.009	0.021	0.657	0.008	31.422	TRUE	3.76E-08
Non-allergic asthma	DEF8	cg01883217	rs146018050	C	G	-0.810	0.138	0.016	3.88E-09	0.134	0.089	0.134	0.009	34.666	TRUE	1.58E-08
Non-allergic asthma	DEF8	cg01883217	rs147123965	T	C	-0.472	0.061	0.035	7.74E-15	-0.071	0.071	0.313	0.016	60.367	TRUE	3.79E-14
Non-allergic asthma	DEF8	cg01883217	rs150237316	T	C	-0.446	0.070	0.030	1.37E-10	0.034	0.051	0.508	0.011	41.187	TRUE	3.44E-10
Non-allergic asthma	DEF8	cg01883217	rs150246110	A	G	-0.555	0.089	0.014	5.00E-10	-0.021	0.093	0.819	0.010	38.658	TRUE	8.66E-10
Non-allergic asthma	DEF8	cg01883217	rs17719735	A	G	0.272	0.050	0.065	4.76E-08	0.051	0.032	0.110	0.008	29.797	TRUE	1.83E-07
Non-allergic asthma	DEF8	cg01883217	rs17774983	T	C	-0.561	0.066	0.030	2.13E-17	0.046	0.139	0.741	0.019	71.986	TRUE	6.63E-17
Non-allergic asthma	DEF8	cg01883217	rs181073811	C	T	0.348	0.055	0.053	2.15E-10	0.033	0.070	0.642	0.011	40.304	TRUE	4.58E-10
Non-allergic asthma	DEF8	cg01883217	rs187492937	G	C	0.371	0.063	0.046	5.14E-09	-0.007	0.043	0.868	0.009	34.116	TRUE	8.03E-09
Non-allergic asthma	DEF8	cg01883217	rs34686253	C	T	0.466	0.066	0.038	1.85E-12	-0.015	0.030	0.629	0.013	49.615	TRUE	4.63E-12
Non-allergic asthma	DEF8	cg01883217	rs4248913	A	C	0.329	0.039	0.095	2.79E-17	-0.018	0.022	0.420	0.019	71.450	TRUE	1.40E-16
Non-allergic asthma	DEF8	cg01883217	rs4627348	T	C	0.253	0.024	0.376	1.10E-25	0.003	0.016	0.863	0.029	109.713	TRUE	5.49E-25
Non-allergic asthma	DEF8	cg01883217	rs58889676	T	A	0.501	0.084	0.022	1.98E-09	-0.071	0.059	0.227	0.010	35.974	TRUE	6.77E-09
Non-allergic asthma	DEF8	cg01883217	rs62054623	G	A	-0.678	0.048	0.058	9.72E-46	-0.026	0.026	0.317	0.052	201.413	TRUE	1.48E-43
Non-allergic asthma	DEF8	cg01883217	rs66701606	T	C	0.302	0.027	0.256	4.41E-29	0.000	0.020	0.984	0.033	125.215	TRUE	2.41E-28
Non-allergic asthma	DEF8	cg01883217	rs7200403	G	A	0.393	0.024	0.366	2.52E-58	-0.005	0.016	0.755	0.065	259.095	TRUE	6.19E-56
Non-allergic asthma	DEF8	cg01883217	rs7205758	A	G	-0.173	0.024	0.357	1.02E-12	-0.024	0.016	0.124	0.014	50.768	TRUE	6.47E-12
Non-allergic asthma	DEF8	cg01883217	rs9933533	C	T	-0.140	0.023	0.479	2.27E-09	0.011	0.016	0.509	0.010	35.704	TRUE	5.20E-09
Non-allergic asthma	DEF8	cg02061948	rs11646910	A	G	-0.311	0.039	0.103	1.20E-15	-0.020	0.023	0.393	0.017	64.044	TRUE	5.45E-15
Non-allergic asthma	DEF8	cg02061948	rs11859206	C	A	-0.736	0.036	0.116	3.78E-95	-0.011	0.032	0.727	0.104	428.082	TRUE	5.41E-90
Non-allergic asthma	DEF8	cg02061948	rs13336744	T	G	-0.541	0.080	0.030	1.13E-11	0.077	0.081	0.345	0.012	46.056	TRUE	3.93E-11
Non-allergic asthma	DEF8	cg02061948	rs150246110	A	G	-0.702	0.088	0.014	2.07E-15	-0.021	0.093	0.819	0.017	62.964	TRUE	5.06E-15
Non-allergic asthma	DEF8	cg02061948	rs34539781	T	C	0.285	0.039	0.094	4.46E-13	-0.101	0.030	8.42E-04	0.014	52.401	TRUE	1.36E-11
Non-allergic asthma	DEF8	cg02061948	rs4341744	T	C	0.211	0.025	0.306	1.19E-16	-0.010	0.017	0.565	0.018	68.584	TRUE	4.51E-16
Non-allergic asthma	DEF8	cg02061948	rs4461072	G	C	-0.268	0.033	0.157	7.62E-16	0.013	0.018	0.478	0.017	64.931	TRUE	3.07E-15
Non-allergic asthma	DEF8	cg02061948	rs4785775	A	C	-0.158	0.024	0.397	2.56E-11	-0.006	0.016	0.694	0.012	44.465	TRUE	5.49E-11
Non-allergic asthma	DEF8	cg02061948	rs67632157	A	G	0.163	0.024	0.420	9.77E-12	-0.012	0.016	0.429	0.012	46.349	TRUE	3.00E-11
Non-allergic asthma	DEF8	cg02061948	rs7184956	T	C	-0.225	0.024	0.374	9.50E-21	-0.004	0.016	0.809	0.023	87.216	TRUE	3.47E-20
Non-allergic asthma	DEF8	cg02061948	rs8060230	T	C	-0.528	0.063	0.030	5.21E-17	-0.051	0.038	0.182	0.019	70.219	TRUE	4.34E-16
Non-allergic asthma	DEF8	cg02061948	rs8062311	A	G	-0.233	0.034	0.136	4.36E-12	-0.023	0.025	0.355	0.013	47.928	TRUE	1.54E-11
Non-allergic asthma	DEF8	cg03721293	rs11076647	C	A	-0.137	0.025	0.306	4.68E-08	-0.004	0.019	0.838	0.008	29.829	TRUE	7.11E-08
Non-allergic asthma	DEF8	cg03721293	rs11640198	T	C	0.150	0.027	0.251	2.62E-08	-0.030	0.019	0.118	0.008	30.952	TRUE	1.01E-07

Non-allergic asthma	DEF8	cg03721293	rs11649196	A	G	0.333	0.033	0.145	1.33E-23	-0.042	0.031	0.175	0.026	100.221	TRUE	2.32E-22
Non-allergic asthma	DEF8	cg03721293	rs1558151	A	T	0.171	0.028	0.223	1.54E-09	-0.023	0.017	0.165	0.010	36.458	TRUE	6.09E-09
Non-allergic asthma	DEF8	cg03721293	rs62068712	G	A	0.191	0.031	0.167	1.29E-09	-0.030	0.022	0.182	0.010	36.809	TRUE	4.93E-09
Non-allergic asthma	DEF8	cg03721293	rs78517194	C	A	0.730	0.044	0.067	5.93E-61	-0.073	0.030	0.014	0.068	271.146	TRUE	1.38E-56
Non-allergic asthma	DEF8	cg03987653	rs10153134	C	T	-0.137	0.025	0.350	2.45E-08	-0.010	0.017	0.552	0.008	31.084	TRUE	4.94E-08
Non-allergic asthma	DEF8	cg03987653	rs113753049	C	A	0.178	0.025	0.312	2.61E-12	-0.006	0.020	0.780	0.013	48.934	TRUE	5.44E-12
Non-allergic asthma	DEF8	cg03987653	rs11639655	G	A	-0.144	0.026	0.322	2.44E-08	-0.010	0.016	0.537	0.008	31.090	TRUE	5.00E-08
Non-allergic asthma	DEF8	cg03987653	rs145268882	A	G	0.275	0.050	0.054	2.90E-08	-0.034	0.041	0.411	0.008	30.755	TRUE	6.79E-08
Non-allergic asthma	DEF8	cg03987653	rs150237316	T	C	-0.405	0.070	0.030	5.79E-09	0.034	0.051	0.508	0.009	33.887	TRUE	1.28E-08
Non-allergic asthma	DEF8	cg03987653	rs4365288	A	G	-0.845	0.049	0.052	4.07E-67	-0.074	0.030	0.014	0.075	299.419	TRUE	2.91E-62
Non-allergic asthma	DEF8	cg03987653	rs4785699	T	G	-0.173	0.027	0.233	2.98E-10	-0.026	0.019	0.170	0.011	39.666	TRUE	1.26E-09
Non-allergic asthma	DEF8	cg03987653	rs4785749	T	C	0.153	0.024	0.382	2.75E-10	-0.004	0.017	0.816	0.011	39.820	TRUE	4.86E-10
Non-allergic asthma	DEF8	cg04591799	rs10153134	C	T	-0.132	0.024	0.350	4.68E-08	-0.010	0.017	0.552	0.008	29.830	TRUE	9.23E-08
Non-allergic asthma	DEF8	cg04591799	rs35078537	C	G	-0.192	0.029	0.187	5.54E-11	-0.035	0.020	0.075	0.011	42.954	TRUE	3.47E-10
Non-allergic asthma	DEF8	cg04591799	rs55911767	G	A	-0.172	0.028	0.223	1.25E-09	-0.023	0.016	0.153	0.010	36.866	TRUE	5.13E-09
Non-allergic asthma	DEF8	cg04591799	rs78260644	G	A	-0.567	0.049	0.052	5.18E-31	-0.069	0.030	0.024	0.035	134.032	TRUE	7.36E-29
Non-allergic asthma	DEF8	cg04752812	rs11640198	T	C	0.148	0.027	0.251	3.54E-08	-0.030	0.019	0.118	0.008	30.368	TRUE	1.35E-07
Non-allergic asthma	DEF8	cg04752812	rs11649196	A	G	0.193	0.033	0.145	6.95E-09	-0.042	0.031	0.175	0.009	33.530	TRUE	2.50E-08
Non-allergic asthma	DEF8	cg04752812	rs4785775	A	C	-0.132	0.024	0.397	2.63E-08	-0.006	0.016	0.694	0.008	30.946	TRUE	4.61E-08
Non-allergic asthma	DEF8	cg04752812	rs78517194	C	A	0.551	0.045	0.067	4.27E-35	-0.073	0.030	0.014	0.040	152.701	TRUE	1.44E-32
Non-allergic asthma	DEF8	cg05185784	rs12933826	C	T	-0.378	0.044	0.077	7.07E-18	-0.048	0.057	0.402	0.020	74.157	TRUE	3.88E-17
Non-allergic asthma	DEF8	cg05185784	rs146972365	C	T	0.439	0.039	0.094	9.52E-30	0.033	0.034	0.340	0.034	128.258	TRUE	1.96E-28
Non-allergic asthma	DEF8	cg05185784	rs150246110	A	G	-0.779	0.089	0.014	2.24E-18	-0.021	0.093	0.819	0.020	76.424	TRUE	6.75E-18
Non-allergic asthma	DEF8	cg05185784	rs164753	C	T	0.224	0.031	0.187	7.02E-13	0.015	0.018	0.401	0.014	51.511	TRUE	2.47E-12
Non-allergic asthma	DEF8	cg05185784	rs186335715	G	A	-0.758	0.112	0.011	1.37E-11	-0.042	0.176	0.813	0.012	45.683	TRUE	2.64E-11
Non-allergic asthma	DEF8	cg05185784	rs2241034	G	A	-0.241	0.034	0.153	7.58E-13	-0.022	0.018	0.202	0.014	51.360	TRUE	3.88E-12
Non-allergic asthma	DEF8	cg05185784	rs2279350	T	C	0.187	0.033	0.150	1.05E-08	0.006	0.023	0.793	0.009	32.733	TRUE	1.72E-08
Non-allergic asthma	DEF8	cg05185784	rs3114892	G	A	0.170	0.024	0.433	4.70E-13	-0.013	0.016	0.406	0.014	52.296	TRUE	1.67E-12
Non-allergic asthma	DEF8	cg05185784	rs34686253	C	T	0.453	0.066	0.038	7.54E-12	-0.015	0.030	0.629	0.013	46.857	TRUE	1.81E-11
Non-allergic asthma	DEF8	cg05185784	rs35754755	T	C	-0.896	0.064	0.031	1.91E-44	-0.042	0.058	0.468	0.050	195.494	TRUE	1.55E-42
Non-allergic asthma	DEF8	cg05185784	rs35859096	G	C	-0.409	0.028	0.217	5.49E-48	-0.027	0.022	0.214	0.054	211.710	TRUE	1.72E-45
Non-allergic asthma	DEF8	cg05185784	rs3803686	C	A	-0.797	0.029	0.181	2.51E-170	-0.053	0.022	0.019	0.173	773.517	TRUE	5.24E-154
Non-allergic asthma	DEF8	cg05185784	rs3829499	C	G	-0.191	0.028	0.241	5.32E-12	-0.015	0.018	0.413	0.013	47.539	TRUE	1.71E-11
Non-allergic asthma	DEF8	cg05185784	rs4519330	A	G	0.177	0.026	0.286	1.86E-11	0.020	0.017	0.234	0.012	45.090	TRUE	7.69E-11
Non-allergic asthma	DEF8	cg05185784	rs4627348	T	C	0.321	0.024	0.376	7.90E-41	0.003	0.016	0.863	0.046	178.930	TRUE	1.70E-39
Non-allergic asthma	DEF8	cg05185784	rs538727127	A	G	-0.459	0.060	0.034	1.36E-14	-0.051	0.038	0.187	0.016	59.266	TRUE	8.65E-14
Non-allergic asthma	DEF8	cg05185784	rs55749251	G	T	0.307	0.033	0.154	7.45E-21	0.007	0.017	0.697	0.023	87.695	TRUE	3.24E-20
Non-allergic asthma	DEF8	cg05185784	rs56240065	A	G	-0.667	0.053	0.049	2.02E-36	-0.020	0.065	0.754	0.041	158.767	TRUE	3.37E-35
Non-allergic asthma	DEF8	cg05185784	rs62067101	T	C	-0.595	0.090	0.017	3.58E-11	-0.049	0.044	0.262	0.012	43.810	TRUE	1.36E-10
Non-allergic asthma	DEF8	cg05185784	rs7200403	G	A	0.408	0.024	0.366	4.66E-63	-0.005	0.016	0.755	0.071	280.799	TRUE	2.27E-60
Non-allergic asthma	DEF8	cg05185784	rs77497623	G	T	-0.359	0.037	0.108	9.75E-22	-0.029	0.040	0.463	0.024	91.717	TRUE	6.79E-21
Non-allergic asthma	DEF8	cg05185784	rs78908302	G	A	-0.290	0.028	0.210	1.19E-24	-0.012	0.021	0.563	0.028	104.992	TRUE	9.03E-24

Non-allergic asthma	DEF8	cg05185784	rs79541707	T	A	0.489	0.070	0.030	2.87E-12	-0.075	0.077	0.331	0.013	48.750	TRUE	1.07E-11
Non-allergic asthma	DEF8	cg05185784	rs9921599	T	C	-0.240	0.043	0.084	1.80E-08	-0.013	0.027	0.619	0.008	31.678	TRUE	3.43E-08
Non-allergic asthma	DEF8	cg05185784	rs9921920	C	G	0.202	0.027	0.268	1.86E-13	0.002	0.016	0.906	0.014	54.123	TRUE	3.61E-13
Non-allergic asthma	DEF8	cg05185784	rs9923604	C	G	-0.364	0.029	0.184	2.42E-35	-0.038	0.021	0.077	0.040	153.830	TRUE	3.09E-33
Non-allergic asthma	DEF8	cg12064134	rs1029673	G	T	-0.223	0.027	0.253	1.36E-16	-0.024	0.019	0.191	0.018	68.321	TRUE	1.06E-15
Non-allergic asthma	DEF8	cg12064134	rs116902829	G	C	0.562	0.098	0.015	9.96E-09	0.339	0.214	0.113	0.009	32.831	TRUE	4.12E-08
Non-allergic asthma	DEF8	cg12064134	rs117991811	A	G	-0.645	0.110	0.014	4.72E-09	0.080	0.078	0.302	0.009	34.284	TRUE	1.37E-08
Non-allergic asthma	DEF8	cg12064134	rs118144846	G	A	0.934	0.109	0.014	1.22E-17	-0.037	0.150	0.804	0.019	73.076	TRUE	3.57E-17
Non-allergic asthma	DEF8	cg12064134	rs13330208	G	T	-1.011	0.141	0.015	7.82E-13	0.123	0.095	0.198	0.014	51.300	TRUE	4.04E-12
Non-allergic asthma	DEF8	cg12064134	rs142969375	G	A	-0.907	0.150	0.014	1.56E-09	-0.040	0.117	0.736	0.010	36.436	TRUE	2.85E-09
Non-allergic asthma	DEF8	cg12064134	rs150246110	A	G	-1.029	0.089	0.014	4.09E-31	-0.021	0.093	0.819	0.035	134.502	TRUE	3.56E-30
Non-allergic asthma	DEF8	cg12064134	rs186335715	G	A	-0.767	0.112	0.011	7.76E-12	-0.042	0.176	0.813	0.012	46.799	TRUE	1.51E-11
Non-allergic asthma	DEF8	cg12064134	rs2241034	G	A	-0.385	0.033	0.153	1.00E-30	-0.022	0.018	0.202	0.035	132.721	TRUE	3.58E-29
Non-allergic asthma	DEF8	cg12064134	rs35078537	C	G	-0.277	0.030	0.187	9.33E-21	-0.035	0.020	0.075	0.023	87.251	TRUE	1.91E-19
Non-allergic asthma	DEF8	cg12064134	rs35754755	T	C	-0.944	0.064	0.031	2.57E-49	-0.042	0.058	0.468	0.056	217.800	TRUE	3.93E-47
Non-allergic asthma	DEF8	cg12064134	rs3803686	C	A	-0.874	0.028	0.181	1.48E-209	-0.053	0.022	0.019	0.205	953.861	TRUE	3.23E-187
Non-allergic asthma	DEF8	cg12064134	rs3829499	C	G	-0.199	0.028	0.241	7.18E-13	-0.015	0.018	0.413	0.014	51.467	TRUE	2.48E-12
Non-allergic asthma	DEF8	cg12064134	rs4627348	T	C	0.264	0.024	0.376	4.61E-28	0.003	0.016	0.863	0.032	120.564	TRUE	2.82E-27
Non-allergic asthma	DEF8	cg12064134	rs56240065	A	G	-0.644	0.053	0.049	4.68E-34	-0.020	0.065	0.754	0.038	147.946	TRUE	6.13E-33
Non-allergic asthma	DEF8	cg12064134	rs7200083	A	G	-0.280	0.032	0.162	4.14E-18	-0.025	0.022	0.254	0.020	75.214	TRUE	3.18E-17
Non-allergic asthma	DEF8	cg12064134	rs74466939	T	C	-0.230	0.040	0.098	1.17E-08	-0.015	0.027	0.575	0.009	32.515	TRUE	2.36E-08
Non-allergic asthma	DEF8	cg12064134	rs74548542	G	A	-0.730	0.064	0.030	5.72E-30	-0.057	0.038	0.133	0.034	129.268	TRUE	2.53E-28
Non-allergic asthma	DEF8	cg12064134	rs74800773	G	C	0.378	0.037	0.107	1.27E-24	0.026	0.034	0.441	0.028	104.868	TRUE	1.21E-23
Non-allergic asthma	DEF8	cg12064134	rs76180276	T	C	0.295	0.053	0.055	3.09E-08	-0.005	0.054	0.934	0.008	30.631	TRUE	4.37E-08
Non-allergic asthma	DEF8	cg12064134	rs77497623	G	T	-0.234	0.038	0.108	4.65E-10	-0.029	0.040	0.463	0.010	38.798	TRUE	1.19E-09
Non-allergic asthma	DEF8	cg16504670	rs13335091	T	C	0.413	0.033	0.138	2.69E-36	-0.063	0.026	0.015	0.041	158.193	TRUE	1.05E-33
Non-allergic asthma	DEF8	cg16504670	rs189882955	A	G	0.511	0.086	0.017	3.13E-09	0.015	0.133	0.909	0.009	35.081	TRUE	4.76E-09
Non-allergic asthma	DEF8	cg16504670	rs3212369	G	A	0.305	0.031	0.160	1.65E-22	-0.070	0.026	0.007	0.025	95.234	TRUE	1.22E-20
Non-allergic asthma	DEF8	cg16504670	rs4785762	G	A	0.167	0.024	0.404	3.31E-12	-0.024	0.016	0.138	0.013	48.470	TRUE	1.89E-11
Non-allergic asthma	DEF8	cg16504670	rs77463543	T	C	0.175	0.032	0.151	4.94E-08	-0.048	0.022	0.029	0.008	29.725	TRUE	2.76E-07
Non-allergic asthma	DEF8	cg25193494	rs12933826	C	T	-0.323	0.044	0.077	1.92E-13	-0.048	0.057	0.402	0.014	54.055	TRUE	7.10E-13
Non-allergic asthma	DEF8	cg25193494	rs13330208	G	T	-0.835	0.141	0.015	3.58E-09	0.123	0.095	0.198	0.009	34.822	TRUE	1.26E-08
Non-allergic asthma	DEF8	cg25193494	rs148176774	G	A	0.450	0.073	0.030	6.62E-10	-0.024	0.032	0.452	0.010	38.109	TRUE	1.69E-09
Non-allergic asthma	DEF8	cg25193494	rs148694296	T	C	0.447	0.074	0.030	1.62E-09	-0.097	0.081	0.233	0.010	36.362	TRUE	5.54E-09
Non-allergic asthma	DEF8	cg25193494	rs150246110	A	G	-1.400	0.088	0.014	7.25E-57	-0.021	0.093	0.819	0.064	252.405	TRUE	1.24E-54
Non-allergic asthma	DEF8	cg25193494	rs181073811	C	T	0.370	0.055	0.053	1.44E-11	0.033	0.070	0.642	0.012	45.595	TRUE	3.32E-11
Non-allergic asthma	DEF8	cg25193494	rs35754755	T	C	-0.614	0.065	0.031	1.71E-21	-0.042	0.058	0.468	0.024	90.604	TRUE	1.15E-20
Non-allergic asthma	DEF8	cg25193494	rs35859096	G	C	-0.359	0.028	0.217	5.06E-37	-0.027	0.022	0.214	0.042	161.512	TRUE	3.69E-35
Non-allergic asthma	DEF8	cg25193494	rs3803686	C	A	-0.718	0.029	0.181	1.61E-135	-0.053	0.022	0.019	0.142	613.541	TRUE	8.31E-124
Non-allergic asthma	DEF8	cg25193494	rs4129126	A	C	0.161	0.025	0.307	2.94E-10	0.004	0.016	0.806	0.011	39.691	TRUE	5.24E-10
Non-allergic asthma	DEF8	cg25193494	rs4627348	T	C	0.241	0.024	0.376	1.51E-23	0.003	0.016	0.863	0.026	99.969	TRUE	6.32E-23
Non-allergic asthma	DEF8	cg25193494	rs4785766	C	A	0.167	0.030	0.183	2.80E-08	0.032	0.023	0.172	0.008	30.828	TRUE	9.45E-08

Non-allergic asthma	DEF8	cg25193494	rs56240065	A	G	-0.446	0.053	0.049	5.66E-17	-0.020	0.065	0.754	0.019	70.053	TRUE	1.68E-16
Non-allergic asthma	DEF8	cg25193494	rs56378598	T	C	0.207	0.026	0.278	3.02E-15	-0.001	0.016	0.951	0.017	62.218	TRUE	6.23E-15
Non-allergic asthma	DEF8	cg25193494	rs62054652	T	C	-0.369	0.049	0.059	8.02E-14	0.021	0.037	0.574	0.015	55.772	TRUE	2.39E-13
Non-allergic asthma	DEF8	cg25193494	rs7200403	G	A	0.303	0.025	0.366	6.32E-35	-0.005	0.016	0.755	0.039	151.923	TRUE	9.04E-34
Non-allergic asthma	DEF8	cg25193494	rs74548542	G	A	-0.463	0.065	0.030	7.65E-13	-0.057	0.038	0.133	0.014	51.343	TRUE	4.74E-12
Non-allergic asthma	DEF8	cg25193494	rs77497623	G	T	-0.353	0.037	0.108	5.07E-21	-0.029	0.040	0.463	0.023	88.457	TRUE	3.30E-20
Non-allergic asthma	DEF8	cg25193494	rs77770855	A	G	0.348	0.039	0.092	1.10E-18	0.028	0.035	0.415	0.021	77.838	TRUE	6.31E-18
Non-allergic asthma	DEF8	cg25193494	rs78908302	G	A	-0.210	0.028	0.210	1.48E-13	-0.012	0.021	0.563	0.015	54.564	TRUE	4.39E-13
Non-allergic asthma	DEF8	cg25193494	rs9921920	C	G	0.179	0.027	0.268	7.55E-11	0.002	0.016	0.906	0.011	42.348	TRUE	1.26E-10
Non-allergic asthma	DEF8	cg25193494	rs9923604	C	G	-0.217	0.030	0.184	1.80E-13	-0.038	0.021	0.077	0.014	54.180	TRUE	1.51E-12
Non-allergic asthma	DEF8	cg26894841	rs12921906	A	G	-0.216	0.033	0.147	3.30E-11	0.000	0.018	0.986	0.012	43.965	TRUE	5.18E-11
Non-allergic asthma	DEF8	cg26894841	rs7498985	A	G	-0.147	0.023	0.476	1.48E-10	-0.006	0.016	0.725	0.011	41.036	TRUE	2.91E-10
Non-allergic asthma	DEF8	cg26894841	rs9923654	C	T	-0.267	0.030	0.183	4.13E-19	-0.038	0.022	0.082	0.021	79.766	TRUE	6.61E-18
Non-allergic asthma	DEPDC5	cg01249860	rs117858155	T	C	0.589	0.083	0.019	1.03E-12	-0.092	0.064	0.149	0.014	50.761	TRUE	5.99E-12
Non-allergic asthma	DEPDC5	cg01249860	rs149516999	A	G	0.628	0.081	0.022	6.27E-15	0.033	0.050	0.505	0.016	60.783	TRUE	2.24E-14
Non-allergic asthma	DEPDC5	cg01249860	rs5998152	C	T	0.158	0.027	0.249	5.92E-09	-0.039	0.017	0.021	0.009	33.841	TRUE	4.12E-08
Non-allergic asthma	DEPDC5	cg04112842	rs5998151	A	G	-0.334	0.038	0.101	9.70E-19	-0.061	0.020	0.002	0.021	78.076	TRUE	5.80E-17
Non-allergic asthma	DEPDC5	cg13263830	rs11089505	G	A	-0.323	0.055	0.100	4.99E-09	-0.010	0.022	0.656	0.009	34.175	TRUE	9.53E-09
Non-allergic asthma	DEPDC5	cg13263830	rs111658926	C	T	-0.798	0.039	0.102	4.00E-92	-0.020	0.025	0.410	0.101	414.197	TRUE	9.85E-87
Non-allergic asthma	DEPDC5	cg13263830	rs12158564	G	A	-0.302	0.025	0.322	8.08E-34	-0.016	0.018	0.362	0.038	146.864	TRUE	2.46E-32
Non-allergic asthma	DEPDC5	cg13263830	rs13053841	T	C	-0.314	0.053	0.058	2.99E-09	-0.038	0.023	0.103	0.009	35.174	TRUE	1.35E-08
Non-allergic asthma	DEPDC5	cg13263830	rs141788358	A	G	0.522	0.083	0.022	2.74E-10	0.079	0.097	0.417	0.011	39.831	TRUE	7.56E-10
Non-allergic asthma	DEPDC5	cg13263830	rs151192056	T	C	-0.339	0.058	0.042	4.61E-09	-0.040	0.045	0.373	0.009	34.327	TRUE	1.21E-08
Non-allergic asthma	DEPDC5	cg13263830	rs185079005	C	T	-0.433	0.027	0.242	2.92E-56	-0.018	0.020	0.380	0.063	249.634	TRUE	1.56E-53
Non-allergic asthma	DEPDC5	cg13263830	rs2040981	C	A	-1.412	0.037	0.087	<1E-200	-0.010	0.024	0.689	0.281	1444.307	TRUE	4.57E-277
Non-allergic asthma	DEPDC5	cg13263830	rs2157212	A	C	-0.668	0.036	0.118	3.13E-75	0.000	0.027	0.991	0.083	336.647	TRUE	5.44E-72
Non-allergic asthma	DEPDC5	cg13263830	rs2412999	G	A	-0.258	0.024	0.445	5.87E-28	-0.022	0.016	0.161	0.031	120.083	TRUE	1.79E-26
Non-allergic asthma	DEPDC5	cg13263830	rs4820910	T	A	-0.209	0.031	0.159	3.15E-11	-0.043	0.017	0.013	0.012	44.058	TRUE	3.55E-10
Non-allergic asthma	DEPDC5	cg13263830	rs55911547	T	A	-0.395	0.030	0.175	2.41E-39	-0.015	0.020	0.446	0.044	172.136	TRUE	1.11E-37
Non-allergic asthma	DEPDC5	cg13263830	rs5749334	A	C	0.821	0.019	0.446	<1E-200	0.022	0.016	0.185	0.331	1828.366	TRUE	<1E-200
Non-allergic asthma	DEPDC5	cg13263830	rs5753356	A	G	-0.185	0.025	0.367	6.41E-14	-0.010	0.016	0.510	0.015	56.211	TRUE	2.10E-13
Non-allergic asthma	DEPDC5	cg13263830	rs5753472	G	A	-0.280	0.032	0.426	2.02E-18	0.018	0.017	0.277	0.020	76.631	TRUE	1.51E-17
Non-allergic asthma	DEPDC5	cg13263830	rs5998284	T	C	-0.322	0.032	0.172	7.92E-24	-0.037	0.019	0.048	0.027	101.242	TRUE	2.99E-22
Non-allergic asthma	DEPDC5	cg13263830	rs62236130	A	G	0.378	0.034	0.131	7.93E-29	-0.027	0.023	0.227	0.032	124.053	TRUE	2.07E-27
Non-allergic asthma	DEPDC5	cg13263830	rs6518765	C	A	0.268	0.033	0.346	6.33E-16	0.021	0.017	0.207	0.017	65.297	TRUE	4.38E-15
Non-allergic asthma	DEPDC5	cg13263830	rs714023	A	G	0.196	0.035	0.132	2.07E-08	0.025	0.020	0.220	0.008	31.415	TRUE	6.45E-08
Non-allergic asthma	DEPDC5	cg13263830	rs75481064	G	A	0.265	0.045	0.080	4.99E-09	0.020	0.032	0.525	0.009	34.176	TRUE	1.09E-08
Non-allergic asthma	DEPDC5	cg13263830	rs76900875	A	G	-0.259	0.046	0.066	2.10E-08	-0.001	0.029	0.962	0.008	31.384	TRUE	2.92E-08
Non-allergic asthma	DEPDC5	cg13263830	rs77339855	T	A	-0.904	0.142	0.012	1.86E-10	0.045	0.092	0.628	0.011	40.591	TRUE	4.03E-10
Non-allergic asthma	DEPDC5	cg13263830	rs77664819	A	G	0.372	0.064	0.065	7.51E-09	0.034	0.026	0.198	0.009	33.379	TRUE	2.56E-08
Non-allergic asthma	DEPDC5	cg13263830	rs8140888	A	G	-0.226	0.031	0.172	2.27E-13	0.000	0.020	0.988	0.014	53.724	TRUE	4.01E-13
Non-allergic asthma	DEPDC5	cg13263830	rs9606808	C	T	-0.176	0.027	0.256	9.65E-11	-0.008	0.017	0.650	0.011	41.869	TRUE	2.09E-10

Non-allergic asthma	DEPDC5	cg13263830	rs9609388	A	G	-0.240	0.040	0.095	2.23E-09	0.061	0.032	0.058	0.010	35.745	TRUE	1.24E-08
Non-allergic asthma	DNASE2	cg00759699	rs10403881	C	T	-0.395	0.069	0.035	1.17E-08	0.020	0.047	0.668	0.009	32.514	TRUE	2.16E-08
Non-allergic asthma	DNASE2	cg00759699	rs111920893	C	T	-0.342	0.035	0.128	1.93E-22	-0.011	0.026	0.672	0.025	94.917	TRUE	1.00E-21
Non-allergic asthma	DNASE2	cg00759699	rs2293682	A	G	-0.628	0.027	0.244	9.38E-123	0.006	0.017	0.734	0.130	554.882	TRUE	5.87E-115
Non-allergic asthma	DNASE2	cg00759699	rs3810317	T	C	0.195	0.026	0.277	1.65E-13	-0.031	0.019	0.113	0.014	54.353	TRUE	1.19E-12
Non-allergic asthma	DNASE2	cg00759699	rs4804731	A	G	0.248	0.044	0.161	1.21E-08	0.024	0.023	0.288	0.009	32.456	TRUE	3.45E-08
Non-allergic asthma	DNASE2	cg00759699	rs62113568	A	C	-0.355	0.056	0.049	1.70E-10	-0.030	0.028	0.284	0.011	40.760	TRUE	5.84E-10
Non-allergic asthma	DNASE2	cg00759699	rs6511849	A	G	-0.356	0.038	0.097	2.14E-20	0.004	0.021	0.834	0.023	85.615	TRUE	7.33E-20
Non-allergic asthma	DNASE2	cg00759699	rs73925233	C	T	0.350	0.062	0.031	1.66E-08	-0.114	0.069	0.098	0.009	31.843	TRUE	6.98E-08
Non-allergic asthma	DNASE2	cg00759699	rs741702	A	C	0.254	0.025	0.381	5.22E-25	0.023	0.017	0.179	0.028	106.627	TRUE	1.05E-23
Non-allergic asthma	DNASE2	cg07955356	rs74726681	G	A	0.188	0.025	0.293	1.84E-13	-0.005	0.016	0.744	0.014	54.144	TRUE	4.31E-13
Non-allergic asthma	DNASE2	cg15503081	rs11085796	A	T	0.178	0.026	0.270	1.59E-11	-0.037	0.018	0.034	0.012	45.398	TRUE	1.40E-10
Non-allergic asthma	DNASE2	cg15503081	rs3817621	C	G	-0.186	0.028	0.225	1.70E-11	-0.007	0.017	0.672	0.012	45.266	TRUE	3.78E-11
Non-allergic asthma	DNASE2	cg16855845	rs111920893	C	T	-0.302	0.035	0.128	9.24E-18	-0.011	0.026	0.672	0.020	73.628	TRUE	3.26E-17
Non-allergic asthma	DNASE2	cg16855845	rs117122405	A	G	-0.395	0.070	0.034	1.84E-08	0.010	0.057	0.863	0.008	31.637	TRUE	2.80E-08
Non-allergic asthma	DNASE2	cg16855845	rs12975001	C	G	-0.302	0.038	0.098	2.97E-15	0.006	0.021	0.783	0.017	62.249	TRUE	7.53E-15
Non-allergic asthma	DNASE2	cg16855845	rs2293682	A	G	-0.507	0.027	0.244	1.49E-78	0.006	0.017	0.734	0.087	351.897	TRUE	9.36E-75
Non-allergic asthma	DNASE2	cg16855845	rs741702	A	C	0.206	0.025	0.381	6.09E-17	0.023	0.017	0.179	0.019	69.910	TRUE	5.08E-16
Non-allergic asthma	DNASE2	cg16855845	rs75413320	C	T	0.254	0.040	0.095	1.71E-10	-0.011	0.030	0.720	0.011	40.746	TRUE	3.38E-10
Non-allergic asthma	DRAM1	cg04946520	rs10778153	A	G	-0.189	0.024	0.378	1.10E-15	-0.028	0.016	0.079	0.017	64.217	TRUE	1.19E-14
Non-allergic asthma	DRAM1	cg04946520	rs11111082	G	C	-0.593	0.031	0.151	7.54E-80	-0.010	0.023	0.669	0.088	357.841	TRUE	7.24E-76
Non-allergic asthma	DRAM1	cg04946520	rs113239128	C	T	-0.458	0.063	0.036	4.80E-13	-0.003	0.038	0.932	0.014	52.256	TRUE	8.85E-13
Non-allergic asthma	DRAM1	cg04946520	rs113774454	T	C	-0.521	0.083	0.019	3.87E-10	0.015	0.061	0.811	0.010	39.154	TRUE	6.82E-10
Non-allergic asthma	DRAM1	cg04946520	rs4764850	A	G	0.140	0.023	0.401	1.79E-09	-0.026	0.016	0.098	0.010	36.175	TRUE	8.47E-09
Non-allergic asthma	DRAM1	cg04946520	rs7978834	C	G	-0.277	0.029	0.198	7.55E-22	-0.021	0.019	0.272	0.024	92.223	TRUE	8.07E-21
Non-allergic asthma	DRAM1	cg07905054	rs78863372	T	C	1.093	0.155	0.013	1.81E-12	0.009	0.052	0.861	0.013	49.650	TRUE	3.49E-12
Non-allergic asthma	DRAM1	cg07905054	rs7955890	T	C	0.354	0.037	0.112	3.60E-22	0.037	0.027	0.172	0.025	93.689	TRUE	5.42E-21
Non-allergic asthma	DRAM1	cg10143723	rs2108694	A	G	-0.132	0.024	0.480	2.01E-08	-0.010	0.016	0.538	0.008	31.469	TRUE	4.14E-08
Non-allergic asthma	DRAM1	cg10143723	rs79656532	T	C	-0.407	0.040	0.095	6.78E-25	-0.041	0.020	0.042	0.028	106.109	TRUE	3.12E-23
Non-allergic asthma	DRAM1	cg18394118	rs79650959	A	G	-0.334	0.039	0.101	8.93E-18	-0.040	0.020	0.053	0.020	73.696	TRUE	1.50E-16
Non-allergic asthma	DRAM1	cg27425327	rs10860804	C	T	1.223	0.038	0.084	5.12E-223	0.010	0.025	0.692	0.215	1015.759	TRUE	1.57E-201
Non-allergic asthma	DRAM1	cg27425327	rs11110857	A	G	0.191	0.030	0.192	3.50E-10	-0.002	0.022	0.944	0.011	39.353	TRUE	5.42E-10
Non-allergic asthma	DRAM1	cg27425327	rs11110893	T	C	0.263	0.036	0.124	1.39E-13	-0.002	0.022	0.943	0.015	54.688	TRUE	2.62E-13
Non-allergic asthma	DRAM1	cg27425327	rs11110912	G	C	-0.166	0.030	0.188	2.10E-08	-0.037	0.026	0.146	0.008	31.387	TRUE	7.61E-08
Non-allergic asthma	DRAM1	cg27425327	rs11111098	T	C	-0.203	0.031	0.180	3.91E-11	0.016	0.020	0.430	0.012	43.633	TRUE	1.14E-10
Non-allergic asthma	DRAM1	cg27425327	rs12319783	T	C	-0.384	0.038	0.107	1.30E-23	-0.009	0.021	0.686	0.026	100.259	TRUE	7.26E-23
Non-allergic asthma	DRAM1	cg27425327	rs4764674	G	A	-0.458	0.023	0.433	1.15E-84	-0.022	0.016	0.153	0.093	379.945	TRUE	2.65E-79
Non-allergic asthma	DRAM1	cg27425327	rs61935453	A	G	0.460	0.069	0.027	2.56E-11	0.011	0.031	0.730	0.012	44.461	TRUE	5.29E-11
Non-allergic asthma	DRAM1	cg27425327	rs7305486	C	T	0.273	0.041	0.085	4.09E-11	0.000	0.025	0.990	0.012	43.549	TRUE	6.35E-11
Non-allergic asthma	DRAM1	cg27425327	rs75001229	G	A	-0.328	0.034	0.133	8.03E-22	0.015	0.025	0.557	0.024	92.101	TRUE	4.76E-21
Non-allergic asthma	E2F1	cg00509772	rs291668	T	C	0.177	0.032	0.159	3.69E-08	0.030	0.024	0.209	0.008	30.289	TRUE	1.14E-07
Non-allergic asthma	E2F1	cg00509772	rs3213183	A	G	-0.257	0.025	0.303	7.37E-24	-0.057	0.016	5.51E-04	0.027	101.384	TRUE	1.59E-21

Non-allergic asthma	E2F1	cg00509772	rs56144975	G	C	-0.264	0.041	0.079	7.62E-11	-0.060	0.061	0.321	0.011	42.331	TRUE	2.54E-10
Non-allergic asthma	EIF2AK2	cg01617117	rs11904602	C	T	-0.492	0.024	0.388	2.91E-95	0.012	0.016	0.455	0.104	428.607	TRUE	1.13E-89
Non-allergic asthma	EIF2AK2	cg01617117	rs13398292	G	A	0.179	0.029	0.187	1.29E-09	-0.046	0.020	0.021	0.010	36.810	TRUE	1.00E-08
Non-allergic asthma	EIF2AK2	cg01617117	rs13429942	G	C	0.214	0.025	0.350	1.21E-17	-0.030	0.016	0.069	0.019	73.100	TRUE	1.76E-16
Non-allergic asthma	EIF2AK2	cg01617117	rs17498534	A	G	0.178	0.028	0.238	2.15E-10	-0.053	0.020	0.007	0.011	40.307	TRUE	2.45E-09
Non-allergic asthma	EIF2AK2	cg01617117	rs2307466	C	G	0.282	0.050	0.056	1.47E-08	-0.007	0.036	0.844	0.009	32.077	TRUE	2.28E-08
Non-allergic asthma	EIF2AK2	cg01617117	rs2888463	T	C	0.229	0.033	0.140	4.66E-12	-0.018	0.023	0.448	0.013	47.801	TRUE	1.43E-11
Non-allergic asthma	EIF2AK2	cg01617117	rs55943710	C	G	-0.333	0.052	0.057	1.21E-10	0.003	0.031	0.931	0.011	41.433	TRUE	1.94E-10
Non-allergic asthma	EIF2AK2	cg05332270	rs12151626	C	T	0.179	0.030	0.182	4.71E-09	0.011	0.020	0.585	0.009	34.288	TRUE	9.67E-09
Non-allergic asthma	EIF2AK2	cg05332270	rs12992188	G	A	-0.318	0.023	0.461	6.92E-43	-0.007	0.016	0.656	0.048	188.352	TRUE	2.92E-41
Non-allergic asthma	EIF2AK2	cg11429997	rs62133148	C	A	-0.151	0.027	0.225	2.95E-08	0.014	0.020	0.498	0.008	30.727	TRUE	6.24E-08
Non-allergic asthma	EIF2AK2	cg14126601	rs12994023	T	C	-0.508	0.024	0.386	4.57E-102	0.019	0.016	0.229	0.111	459.850	TRUE	2.34E-95
Non-allergic asthma	EIF2AK2	cg14126601	rs17498534	A	G	0.256	0.028	0.238	5.06E-20	-0.053	0.020	0.007	0.022	83.910	TRUE	2.50E-18
Non-allergic asthma	EIF2AK2	cg14126601	rs186895872	T	C	0.294	0.039	0.101	3.07E-14	-0.039	0.031	0.207	0.015	57.658	TRUE	1.79E-13
Non-allergic asthma	EIF2AK2	cg14126601	rs2540991	A	G	-0.301	0.041	0.088	1.50E-13	-0.015	0.033	0.640	0.015	54.538	TRUE	4.02E-13
Non-allergic asthma	EIF2AK2	cg14126601	rs58762847	T	C	0.318	0.025	0.333	2.02E-36	-0.031	0.017	0.065	0.041	158.764	TRUE	3.38E-34
Non-allergic asthma	EIF2AK2	cg14126601	rs7596489	G	C	0.353	0.042	0.081	2.53E-17	-0.068	0.033	0.037	0.019	71.644	TRUE	4.66E-16
Non-allergic asthma	EIF2AK2	cg14126601	rs9309001	T	G	0.177	0.025	0.320	3.06E-12	-0.009	0.016	0.572	0.013	48.623	TRUE	8.09E-12
Non-allergic asthma	EIF2AK2	cg16795804	rs10183153	C	T	0.286	0.042	0.098	6.66E-12	-0.023	0.025	0.367	0.013	47.101	TRUE	2.27E-11
Non-allergic asthma	EIF2AK2	cg16795804	rs10495870	C	A	0.309	0.025	0.355	8.42E-36	-0.030	0.016	0.069	0.040	155.927	TRUE	1.23E-33
Non-allergic asthma	EIF2AK2	cg16795804	rs11903252	G	T	0.207	0.027	0.237	4.64E-14	0.023	0.019	0.221	0.015	56.847	TRUE	2.57E-13
Non-allergic asthma	EIF2AK2	cg16795804	rs143549777	G	T	-0.650	0.110	0.025	3.31E-09	0.020	0.050	0.694	0.009	34.975	TRUE	6.15E-09
Non-allergic asthma	EIF2AK2	cg16795804	rs2540991	A	G	-0.354	0.041	0.088	3.65E-18	-0.015	0.033	0.640	0.020	75.461	TRUE	1.39E-17
Non-allergic asthma	EIF2AK2	cg16795804	rs2888463	T	C	0.248	0.033	0.140	7.24E-14	-0.018	0.023	0.448	0.015	55.971	TRUE	2.58E-13
Non-allergic asthma	EIF2AK2	cg16795804	rs3770775	A	C	0.219	0.034	0.128	6.52E-11	-0.031	0.022	0.150	0.011	42.636	TRUE	3.10E-10
Non-allergic asthma	EIF2AK2	cg16795804	rs4670662	C	T	-0.616	0.023	0.388	1.92E-152	0.014	0.016	0.387	0.157	691.316	TRUE	1.50E-140
Non-allergic asthma	EIF2AK2	cg16795804	rs55943710	C	G	-0.334	0.052	0.057	1.05E-10	0.003	0.031	0.931	0.011	41.705	TRUE	1.69E-10
Non-allergic asthma	EIF2AK2	cg16795804	rs57839659	T	C	0.141	0.026	0.296	4.12E-08	0.003	0.019	0.869	0.008	30.077	TRUE	6.11E-08
Non-allergic asthma	EIF2AK2	cg17326313	rs13423928	G	A	0.182	0.024	0.464	1.09E-14	-0.048	0.016	0.002	0.016	59.691	TRUE	3.49E-13
Non-allergic asthma	EIF2AK2	cg17326313	rs149468774	A	T	0.362	0.053	0.046	5.86E-12	-0.145	0.045	0.001	0.013	47.352	TRUE	1.35E-10
Non-allergic asthma	EIF2AK2	cg17326313	rs62133148	C	A	-0.225	0.028	0.225	3.53E-16	0.014	0.020	0.498	0.018	66.445	TRUE	1.42E-15
Non-allergic asthma	EIF2AK2	cg17326313	rs888096	A	G	-0.139	0.024	0.377	1.10E-08	-0.001	0.017	0.962	0.009	32.635	TRUE	1.55E-08
Non-allergic asthma	EIF2AK2	cg23820429	rs13388882	A	G	-0.284	0.051	0.046	3.44E-08	-0.140	0.045	0.002	0.008	30.427	TRUE	3.69E-07
Non-allergic asthma	ENTPD4	cg00472375	rs1140161	T	C	0.196	0.032	0.211	7.91E-10	0.023	0.021	0.269	0.010	37.763	TRUE	2.61E-09
Non-allergic asthma	ENTPD4	cg00472375	rs11779446	G	A	0.421	0.034	0.160	8.27E-35	0.011	0.022	0.619	0.039	151.390	TRUE	1.53E-33
Non-allergic asthma	ENTPD4	cg00472375	rs12549531	T	C	0.409	0.052	0.060	6.70E-15	0.005	0.026	0.862	0.016	60.651	TRUE	1.50E-14
Non-allergic asthma	ENTPD4	cg00472375	rs138440472	G	A	-0.533	0.047	0.078	1.29E-29	0.030	0.027	0.261	0.033	127.658	TRUE	3.28E-28
Non-allergic asthma	ENTPD4	cg00472375	rs17768448	C	T	-0.497	0.073	0.071	9.55E-12	0.008	0.029	0.776	0.012	46.394	TRUE	1.93E-11
Non-allergic asthma	ENTPD4	cg00472375	rs2942194	G	A	-0.304	0.028	0.279	7.17E-27	0.030	0.018	0.096	0.030	115.122	TRUE	2.69E-25
Non-allergic asthma	ENTPD4	cg00472375	rs35826859	C	G	-0.156	0.027	0.349	4.55E-09	0.011	0.017	0.520	0.009	34.354	TRUE	1.00E-08
Non-allergic asthma	ENTPD4	cg00472375	rs4871879	G	A	0.405	0.061	0.108	2.23E-11	0.029	0.032	0.356	0.012	44.734	TRUE	7.38E-11
Non-allergic asthma	ENTPD4	cg00472375	rs56112369	A	G	0.397	0.033	0.160	1.33E-32	0.013	0.022	0.551	0.037	141.303	TRUE	2.25E-31

Non-allergic asthma	ENTPD4	cg00472375	rs59281026	A	G	-0.378	0.034	0.164	6.92E-29	0.029	0.020	0.135	0.033	124.324	TRUE	2.66E-27
Non-allergic asthma	ENTPD4	cg00472375	rs6557673	C	T	0.250	0.028	0.272	1.42E-18	0.042	0.019	0.025	0.020	77.320	TRUE	3.63E-17
Non-allergic asthma	ENTPD4	cg00472375	rs73226488	G	A	0.281	0.028	0.276	1.40E-23	-0.002	0.018	0.925	0.026	100.108	TRUE	5.37E-23
Non-allergic asthma	ENTPD4	cg00472375	rs7839561	T	C	0.415	0.040	0.111	1.08E-24	-0.009	0.021	0.667	0.028	105.181	TRUE	6.86E-24
Non-allergic asthma	ENTPD4	cg02151632	rs138678943	T	C	-0.201	0.031	0.214	4.85E-11	-0.028	0.018	0.120	0.012	43.215	TRUE	2.56E-10
Non-allergic asthma	ENTPD4	cg02151632	rs28579964	T	C	-2.091	0.071	0.033	2.72E-192	-0.032	0.031	0.298	0.191	874.492	TRUE	1.19E-174
Non-allergic asthma	ENTPD4	cg02151632	rs4242399	T	G	-0.205	0.028	0.303	1.92E-13	-0.008	0.017	0.652	0.014	54.054	TRUE	5.03E-13
Non-allergic asthma	ENTPD4	cg02151632	rs4639518	G	T	-0.190	0.026	0.409	2.71E-13	-0.022	0.016	0.182	0.014	53.382	TRUE	1.53E-12
Non-allergic asthma	ENTPD4	cg02151632	rs7017185	G	A	-0.317	0.055	0.058	1.02E-08	-0.006	0.034	0.853	0.009	32.784	TRUE	1.59E-08
Non-allergic asthma	ENTPD4	cg02151632	rs7846631	A	G	-0.287	0.035	0.158	3.72E-16	0.004	0.019	0.847	0.018	66.342	TRUE	9.25E-16
Non-allergic asthma	ENTPD4	cg02151632	rs972573	T	C	-0.191	0.030	0.238	2.52E-10	0.013	0.017	0.427	0.011	39.991	TRUE	6.89E-10
Non-allergic asthma	ENTPD4	cg04177885	rs17089244	T	C	-0.352	0.043	0.096	1.98E-16	0.070	0.027	0.009	0.018	67.588	TRUE	5.38E-15
Non-allergic asthma	ENTPD4	cg09238382	rs10108137	T	C	-1.759	0.072	0.032	5.50E-131	-0.030	0.031	0.326	0.138	592.707	TRUE	1.66E-121
Non-allergic asthma	ENTPD4	cg09238382	rs138678943	T	C	-0.206	0.031	0.214	1.37E-11	-0.028	0.018	0.120	0.012	45.691	TRUE	7.70E-11
Non-allergic asthma	ENTPD4	cg09238382	rs4282585	C	T	-0.155	0.028	0.314	2.30E-08	-0.009	0.017	0.603	0.008	31.203	TRUE	4.42E-08
Non-allergic asthma	ENTPD4	cg09238382	rs7822769	A	C	-0.164	0.026	0.369	3.24E-10	0.013	0.016	0.435	0.011	39.502	TRUE	8.68E-10
Non-allergic asthma	ENTPD4	cg14564237	rs12155806	C	T	0.177	0.029	0.237	1.43E-09	-0.033	0.019	0.084	0.010	36.606	TRUE	7.23E-09
Non-allergic asthma	ENTPD4	cg25329685	rs12545866	C	A	0.140	0.026	0.394	4.28E-08	-0.023	0.018	0.207	0.008	30.004	TRUE	1.32E-07
Non-allergic asthma	ENTPD4	cg25329685	rs2942200	A	G	-0.191	0.027	0.329	2.16E-12	0.025	0.018	0.150	0.013	49.309	TRUE	1.21E-11
Non-allergic asthma	ENTPD4	cg25329685	rs56112369	A	G	0.312	0.034	0.160	1.38E-20	0.013	0.022	0.551	0.023	86.479	TRUE	7.41E-20
Non-allergic asthma	ENTPD4	cg25329685	rs7832251	T	C	-0.343	0.025	0.455	9.67E-43	0.005	0.016	0.775	0.048	187.685	TRUE	3.10E-41
Non-allergic asthma	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	0.048	0.017	0.004	0.016	60.309	TRUE	2.24E-13
Non-allergic asthma	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	0.028	0.016	0.082	0.012	45.175	TRUE	1.15E-10
Non-allergic asthma	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.018	0.024	0.453	0.046	179.017	TRUE	4.11E-39
Non-allergic asthma	ERBB3	cg10869879	rs76219216	C	G	0.323	0.053	0.047	9.11E-10	-0.029	0.060	0.629	0.010	37.486	TRUE	1.88E-09
Non-allergic asthma	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	0.048	0.017	0.004	0.041	157.406	TRUE	3.07E-33
Non-allergic asthma	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	0.044	0.016	0.006	0.020	74.210	TRUE	2.68E-16
Non-allergic asthma	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	0.040	0.017	0.018	0.047	183.509	TRUE	6.43E-39
Non-allergic asthma	EYA3	cg08452964	rs57127818	A	C	0.275	0.026	0.271	1.01E-25	-0.008	0.018	0.640	0.029	109.880	TRUE	7.36E-25
Non-allergic asthma	EYA3	cg27509347	rs72656584	C	T	0.670	0.078	0.053	8.93E-18	0.219	0.060	2.46E-04	0.020	73.696	TRUE	8.48E-16
Non-allergic asthma	FADS2	cg00603274	rs115588270	G	C	-0.465	0.055	0.043	3.69E-17	0.009	0.029	0.749	0.019	70.900	TRUE	1.12E-16
Non-allergic asthma	FADS2	cg00603274	rs137915577	A	G	-0.601	0.098	0.012	1.01E-09	-0.051	0.107	0.634	0.010	37.276	TRUE	2.08E-09
Non-allergic asthma	FADS2	cg00603274	rs17185413	C	T	-0.202	0.028	0.218	9.06E-13	0.006	0.021	0.768	0.014	51.010	TRUE	1.97E-12
Non-allergic asthma	FADS2	cg00603274	rs174455	G	A	-0.410	0.024	0.347	5.02E-66	-0.016	0.016	0.316	0.074	294.411	TRUE	1.57E-62
Non-allergic asthma	FADS2	cg00603274	rs174472	G	A	-0.182	0.024	0.407	3.65E-14	-0.015	0.016	0.335	0.015	57.319	TRUE	1.61E-13
Non-allergic asthma	FADS2	cg00603274	rs198459	A	G	0.262	0.029	0.219	4.42E-20	0.017	0.024	0.486	0.022	84.176	TRUE	2.54E-19
Non-allergic asthma	FADS2	cg00603274	rs2521572	T	G	-0.364	0.056	0.046	1.05E-10	-0.062	0.051	0.224	0.011	41.700	TRUE	4.12E-10
Non-allergic asthma	FADS2	cg00603274	rs387137	C	G	-0.134	0.024	0.400	3.12E-08	0.009	0.017	0.592	0.008	30.616	TRUE	5.99E-08
Non-allergic asthma	FADS2	cg00603274	rs400075	T	C	-0.291	0.027	0.242	1.91E-26	-0.035	0.023	0.133	0.030	113.182	TRUE	5.53E-25
Non-allergic asthma	FADS2	cg00603274	rs472031	A	G	0.284	0.039	0.089	1.56E-13	0.034	0.033	0.296	0.015	54.461	TRUE	6.99E-13
Non-allergic asthma	FADS2	cg00603274	rs509360	A	G	0.335	0.025	0.336	9.87E-41	0.009	0.017	0.585	0.046	178.490	TRUE	3.82E-39
Non-allergic asthma	FADS2	cg00603274	rs66905042	C	A	0.196	0.033	0.135	3.44E-09	0.016	0.020	0.430	0.009	34.899	TRUE	8.50E-09

Non-allergic asthma	FADS2	cg00603274	rs7102974	T	C	-0.778	0.086	0.016	1.26E-19	-0.064	0.142	0.654	0.022	82.105	TRUE	5.31E-19
Non-allergic asthma	FADS2	cg00603274	rs7928482	A	G	-0.582	0.092	0.014	2.52E-10	-0.061	0.059	0.304	0.011	39.995	TRUE	8.23E-10
Non-allergic asthma	FADS2	cg00603274	rs968567	T	C	-0.978	0.026	0.176	<1E-200	-0.049	0.025	0.053	0.278	1421.109	TRUE	3.03E-270
Non-allergic asthma	FADS2	cg01400685	rs1692116	A	G	0.190	0.033	0.138	7.28E-09	0.016	0.020	0.442	0.009	33.439	TRUE	1.73E-08
Non-allergic asthma	FADS2	cg01400685	rs17185413	C	T	-0.243	0.028	0.218	8.34E-18	0.006	0.021	0.768	0.020	73.831	TRUE	2.59E-17
Non-allergic asthma	FADS2	cg01400685	rs174455	G	A	-0.403	0.024	0.347	6.62E-64	-0.016	0.016	0.316	0.071	284.688	TRUE	1.46E-60
Non-allergic asthma	FADS2	cg01400685	rs198459	A	G	0.229	0.029	0.219	1.22E-15	0.017	0.024	0.486	0.017	64.005	TRUE	4.77E-15
Non-allergic asthma	FADS2	cg01400685	rs198475	T	C	-0.276	0.027	0.245	6.44E-24	-0.035	0.023	0.134	0.027	101.650	TRUE	1.39E-22
Non-allergic asthma	FADS2	cg01400685	rs2521572	T	G	-0.374	0.056	0.046	2.91E-11	-0.062	0.051	0.224	0.012	44.212	TRUE	1.21E-10
Non-allergic asthma	FADS2	cg01400685	rs2727266	G	A	-0.277	0.048	0.068	5.54E-09	-0.014	0.029	0.634	0.009	33.970	TRUE	1.08E-08
Non-allergic asthma	FADS2	cg01400685	rs387137	C	G	-0.146	0.024	0.400	1.33E-09	0.009	0.017	0.592	0.010	36.746	TRUE	2.83E-09
Non-allergic asthma	FADS2	cg01400685	rs509360	A	G	0.324	0.025	0.336	4.74E-38	0.009	0.017	0.585	0.043	166.216	TRUE	1.35E-36
Non-allergic asthma	FADS2	cg01400685	rs562172	T	C	0.305	0.039	0.091	3.46E-15	0.019	0.033	0.564	0.016	61.951	TRUE	1.16E-14
Non-allergic asthma	FADS2	cg01400685	rs7102974	T	C	-0.741	0.086	0.016	5.90E-18	-0.064	0.142	0.654	0.020	74.513	TRUE	2.17E-17
Non-allergic asthma	FADS2	cg01400685	rs7928482	A	G	-0.652	0.092	0.014	1.32E-12	-0.061	0.059	0.304	0.013	50.266	TRUE	5.35E-12
Non-allergic asthma	FADS2	cg01400685	rs968567	T	C	-0.932	0.026	0.176	1.33E-277	-0.049	0.025	0.053	0.255	1266.784	TRUE	1.30E-243
Non-allergic asthma	FADS2	cg06781209	rs115588270	G	C	-0.322	0.055	0.043	5.94E-09	0.009	0.029	0.749	0.009	33.835	TRUE	1.03E-08
Non-allergic asthma	FADS2	cg06781209	rs12288004	A	G	0.241	0.044	0.082	3.89E-08	0.018	0.022	0.406	0.008	30.186	TRUE	9.06E-08
Non-allergic asthma	FADS2	cg06781209	rs137915577	A	G	-0.594	0.098	0.012	1.58E-09	-0.051	0.107	0.634	0.010	36.416	TRUE	3.19E-09
Non-allergic asthma	FADS2	cg06781209	rs17185413	C	T	-0.274	0.028	0.218	3.31E-22	0.006	0.021	0.768	0.025	93.857	TRUE	1.44E-21
Non-allergic asthma	FADS2	cg06781209	rs174455	G	A	-0.436	0.024	0.347	1.46E-74	-0.016	0.016	0.316	0.083	333.574	TRUE	1.96E-70
Non-allergic asthma	FADS2	cg06781209	rs198443	T	G	-0.160	0.024	0.437	1.29E-11	0.030	0.016	0.057	0.012	45.802	TRUE	9.68E-11
Non-allergic asthma	FADS2	cg06781209	rs198476	A	G	0.265	0.023	0.492	7.84E-30	0.019	0.016	0.242	0.034	128.644	TRUE	2.18E-28
Non-allergic asthma	FADS2	cg06781209	rs2235093	A	G	0.234	0.024	0.492	3.88E-23	0.014	0.016	0.387	0.026	98.098	TRUE	3.60E-22
Non-allergic asthma	FADS2	cg06781209	rs2521572	T	G	-0.387	0.056	0.046	6.72E-12	-0.062	0.051	0.224	0.013	47.083	TRUE	2.97E-11
Non-allergic asthma	FADS2	cg06781209	rs472031	A	G	0.305	0.039	0.089	2.60E-15	0.034	0.033	0.296	0.017	62.517	TRUE	1.38E-14
Non-allergic asthma	FADS2	cg06781209	rs509360	A	G	0.334	0.025	0.336	2.80E-40	0.009	0.017	0.585	0.046	176.414	TRUE	1.03E-38
Non-allergic asthma	FADS2	cg06781209	rs66905042	C	A	0.198	0.033	0.135	2.46E-09	0.016	0.020	0.430	0.010	35.548	TRUE	6.17E-09
Non-allergic asthma	FADS2	cg06781209	rs7102974	T	C	-0.845	0.086	0.016	6.95E-23	-0.064	0.142	0.654	0.026	96.942	TRUE	3.84E-22
Non-allergic asthma	FADS2	cg06781209	rs72926147	A	G	-0.469	0.078	0.023	2.27E-09	0.073	0.050	0.145	0.010	35.708	TRUE	9.23E-09
Non-allergic asthma	FADS2	cg06781209	rs7928482	A	G	-0.693	0.092	0.014	5.01E-14	-0.061	0.059	0.304	0.015	56.696	TRUE	2.31E-13
Non-allergic asthma	FADS2	cg06781209	rs7943728	A	G	-1.015	0.026	0.170	<1E-200	-0.051	0.025	0.045	0.292	1523.865	TRUE	1.56E-287
Non-allergic asthma	FADS2	cg07005513	rs174544	A	C	-0.203	0.025	0.297	6.01E-16	-0.030	0.016	0.063	0.017	65.399	TRUE	7.45E-15
Non-allergic asthma	FADS2	cg07591205	rs174544	A	C	0.196	0.025	0.297	2.82E-15	-0.030	0.016	0.063	0.017	62.352	TRUE	3.22E-14
Non-allergic asthma	FADS2	cg07999042	rs61897793	A	G	0.172	0.029	0.179	4.46E-09	-0.051	0.025	0.045	0.009	34.395	TRUE	2.57E-08
Non-allergic asthma	FADS2	cg11250194	rs117702910	G	C	-0.352	0.055	0.041	2.04E-10	0.007	0.029	0.810	0.011	40.407	TRUE	3.65E-10
Non-allergic asthma	FADS2	cg11250194	rs137915577	A	G	-0.582	0.098	0.012	3.25E-09	-0.051	0.107	0.634	0.009	35.010	TRUE	6.42E-09
Non-allergic asthma	FADS2	cg11250194	rs17185413	C	T	-0.281	0.028	0.218	2.81E-23	0.006	0.021	0.768	0.026	98.732	TRUE	1.34E-22
Non-allergic asthma	FADS2	cg11250194	rs174455	G	A	-0.498	0.024	0.347	1.48E-98	-0.016	0.016	0.316	0.107	443.725	TRUE	2.15E-92
Non-allergic asthma	FADS2	cg11250194	rs198476	A	G	0.265	0.023	0.492	6.97E-30	0.019	0.016	0.242	0.034	128.877	TRUE	1.95E-28
Non-allergic asthma	FADS2	cg11250194	rs2235093	A	G	0.196	0.024	0.492	9.40E-17	0.014	0.016	0.387	0.018	69.055	TRUE	4.78E-16
Non-allergic asthma	FADS2	cg11250194	rs2521572	T	G	-0.433	0.056	0.046	1.41E-14	-0.062	0.051	0.224	0.016	59.188	TRUE	8.15E-14

Non-allergic asthma	FADS2	cg11250194	rs2524292	G	T	-0.338	0.048	0.067	1.33E-12	-0.014	0.029	0.620	0.013	50.254	TRUE	3.41E-12
Non-allergic asthma	FADS2	cg11250194	rs2526678	A	G	-0.444	0.042	0.086	3.61E-26	-0.020	0.020	0.331	0.029	111.919	TRUE	5.18E-25
Non-allergic asthma	FADS2	cg11250194	rs387137	C	G	-0.140	0.024	0.400	6.37E-09	0.009	0.017	0.592	0.009	33.701	TRUE	1.29E-08
Non-allergic asthma	FADS2	cg11250194	rs500850	C	G	0.323	0.039	0.091	6.28E-17	0.018	0.033	0.583	0.019	69.849	TRUE	2.36E-16
Non-allergic asthma	FADS2	cg11250194	rs509360	A	G	0.398	0.025	0.336	4.40E-57	0.009	0.017	0.585	0.064	253.399	TRUE	1.42E-54
Non-allergic asthma	FADS2	cg11250194	rs61896141	C	A	-0.990	0.026	0.175	<1E-200	-0.050	0.025	0.047	0.279	1430.085	TRUE	1.12E-271
Non-allergic asthma	FADS2	cg11250194	rs67140840	A	G	0.203	0.034	0.131	1.43E-09	0.016	0.020	0.432	0.010	36.602	TRUE	3.65E-09
Non-allergic asthma	FADS2	cg11250194	rs7102974	T	C	-0.909	0.086	0.016	2.68E-26	-0.064	0.142	0.654	0.030	112.507	TRUE	2.01E-25
Non-allergic asthma	FADS2	cg11250194	rs7928482	A	G	-0.614	0.092	0.014	2.65E-11	-0.061	0.059	0.304	0.012	44.394	TRUE	9.50E-11
Non-allergic asthma	FADS2	cg14911132	rs174455	G	A	-0.242	0.024	0.347	8.43E-24	-0.016	0.016	0.316	0.027	101.117	TRUE	9.86E-23
Non-allergic asthma	FADS2	cg14911132	rs198459	A	G	0.177	0.028	0.219	5.33E-10	0.017	0.024	0.486	0.010	38.533	TRUE	1.31E-09
Non-allergic asthma	FADS2	cg14911132	rs400075	T	C	-0.200	0.027	0.242	2.65E-13	-0.035	0.023	0.133	0.014	53.420	TRUE	1.74E-12
Non-allergic asthma	FADS2	cg14911132	rs509360	A	G	0.188	0.025	0.336	7.06E-14	0.009	0.017	0.585	0.015	56.020	TRUE	2.08E-13
Non-allergic asthma	FADS2	cg14911132	rs562172	T	C	0.250	0.039	0.091	9.42E-11	0.019	0.033	0.564	0.011	41.916	TRUE	2.25E-10
Non-allergic asthma	FADS2	cg14911132	rs61897793	A	G	-0.520	0.029	0.179	6.09E-72	-0.051	0.025	0.045	0.080	321.554	TRUE	4.27E-67
Non-allergic asthma	FADS2	cg16576620	rs968567	T	C	-0.201	0.029	0.176	7.18E-12	-0.049	0.025	0.053	0.013	46.951	TRUE	5.68E-11
Non-allergic asthma	FADS2	cg19610905	rs11230815	G	C	-0.368	0.038	0.105	2.17E-22	0.003	0.022	0.884	0.025	94.692	TRUE	8.05E-22
Non-allergic asthma	FADS2	cg19610905	rs117110139	A	G	-0.675	0.084	0.035	1.08E-15	0.018	0.077	0.820	0.017	64.245	TRUE	2.69E-15
Non-allergic asthma	FADS2	cg19610905	rs117983270	C	T	-0.637	0.063	0.034	2.29E-24	-0.044	0.039	0.260	0.027	103.701	TRUE	3.29E-23
Non-allergic asthma	FADS2	cg19610905	rs12799017	G	T	-0.180	0.025	0.329	4.23E-13	-0.002	0.016	0.904	0.014	52.505	TRUE	8.07E-13
Non-allergic asthma	FADS2	cg19610905	rs1692120	A	G	0.249	0.023	0.478	1.94E-26	0.007	0.016	0.649	0.030	113.149	TRUE	1.48E-25
Non-allergic asthma	FADS2	cg19610905	rs174452	A	G	0.253	0.040	0.090	3.91E-10	0.026	0.026	0.314	0.010	39.138	TRUE	1.23E-09
Non-allergic asthma	FADS2	cg19610905	rs174481	G	C	0.298	0.029	0.215	8.26E-25	0.006	0.020	0.750	0.028	105.718	TRUE	4.60E-24
Non-allergic asthma	FADS2	cg19610905	rs174528	C	T	-0.879	0.019	0.353	<1E-200	-0.027	0.016	0.085	0.357	2049.882	TRUE	<1E-200
Non-allergic asthma	FADS2	cg19610905	rs2727261	T	C	-0.335	0.039	0.106	1.81E-17	0.005	0.023	0.824	0.019	72.308	TRUE	5.07E-17
Non-allergic asthma	FADS2	cg19610905	rs2736601	T	C	-0.325	0.048	0.067	1.07E-11	-0.015	0.029	0.599	0.012	46.172	TRUE	2.63E-11
Non-allergic asthma	FADS2	cg19610905	rs508768	G	A	0.288	0.039	0.089	7.56E-14	0.031	0.033	0.341	0.015	55.885	TRUE	3.21E-13
Non-allergic asthma	FADS2	cg19610905	rs695186	T	C	-0.325	0.027	0.250	7.92E-34	-0.038	0.023	0.097	0.038	146.903	TRUE	7.09E-32
Non-allergic asthma	FADS2	cg19610905	rs740006	C	T	0.325	0.041	0.090	2.17E-15	-0.005	0.022	0.806	0.017	62.868	TRUE	5.40E-15
Non-allergic asthma	FADS2	cg19610905	rs75766519	C	T	-0.612	0.055	0.041	8.06E-29	0.008	0.029	0.784	0.032	124.020	TRUE	6.05E-28
Non-allergic asthma	FADS2	cg21709803	rs11230749	T	C	-0.225	0.041	0.195	3.80E-08	0.026	0.022	0.222	0.008	30.232	TRUE	1.15E-07
Non-allergic asthma	FADS2	cg21709803	rs117702910	G	C	-0.306	0.055	0.041	3.42E-08	0.007	0.029	0.810	0.008	30.439	TRUE	5.36E-08
Non-allergic asthma	FADS2	cg21709803	rs17185413	C	T	-0.237	0.028	0.218	5.02E-17	0.006	0.021	0.768	0.019	70.292	TRUE	1.47E-16
Non-allergic asthma	FADS2	cg21709803	rs174455	G	A	-0.384	0.024	0.347	9.82E-58	-0.016	0.016	0.316	0.065	256.387	TRUE	8.28E-55
Non-allergic asthma	FADS2	cg21709803	rs174472	G	A	-0.162	0.024	0.407	1.63E-11	-0.015	0.016	0.335	0.012	45.350	TRUE	5.64E-11
Non-allergic asthma	FADS2	cg21709803	rs198459	A	G	0.234	0.029	0.219	2.44E-16	0.017	0.024	0.486	0.018	67.171	TRUE	1.01E-15
Non-allergic asthma	FADS2	cg21709803	rs198475	T	C	-0.319	0.027	0.245	1.27E-31	-0.035	0.023	0.134	0.036	136.824	TRUE	6.87E-30
Non-allergic asthma	FADS2	cg21709803	rs472031	A	G	0.299	0.039	0.089	8.19E-15	0.034	0.033	0.296	0.016	60.256	TRUE	4.14E-14
Non-allergic asthma	FADS2	cg21709803	rs509360	A	G	0.321	0.025	0.336	2.38E-37	0.009	0.017	0.585	0.042	163.015	TRUE	6.25E-36
Non-allergic asthma	FADS2	cg21709803	rs7102974	T	C	-0.750	0.086	0.016	2.60E-18	-0.064	0.142	0.654	0.020	76.128	TRUE	9.86E-18
Non-allergic asthma	FADS2	cg21709803	rs7928482	A	G	-0.591	0.092	0.014	1.41E-10	-0.061	0.059	0.304	0.011	41.130	TRUE	4.71E-10
Non-allergic asthma	FADS2	cg21709803	rs968567	T	C	-0.958	0.026	0.176	1.37E-291	-0.049	0.025	0.053	0.265	1331.105	TRUE	8.84E-255

Non-allergic asthma	FADS2	cg25324164	rs174455	G	A	-0.331	0.024	0.347	4.50E-43	-0.016	0.016	0.316	0.049	189.205	TRUE	4.86E-41
Non-allergic asthma	FADS2	cg25324164	rs1800008	T	C	-0.249	0.028	0.215	1.98E-18	0.006	0.021	0.776	0.020	76.666	TRUE	6.37E-18
Non-allergic asthma	FADS2	cg25324164	rs2235093	A	G	0.181	0.024	0.492	1.60E-14	0.014	0.016	0.387	0.016	58.938	TRUE	6.67E-14
Non-allergic asthma	FADS2	cg25324164	rs2521572	T	G	-0.332	0.056	0.046	3.74E-09	-0.062	0.051	0.224	0.009	34.733	TRUE	1.25E-08
Non-allergic asthma	FADS2	cg25324164	rs2736602	C	A	0.138	0.025	0.351	1.69E-08	-0.002	0.016	0.917	0.009	31.807	TRUE	2.45E-08
Non-allergic asthma	FADS2	cg25324164	rs400075	T	C	-0.272	0.027	0.242	3.01E-23	-0.035	0.023	0.133	0.026	98.600	TRUE	6.01E-22
Non-allergic asthma	FADS2	cg25324164	rs500850	C	G	0.279	0.039	0.091	5.24E-13	0.018	0.033	0.583	0.014	52.084	TRUE	1.45E-12
Non-allergic asthma	FADS2	cg25324164	rs509360	A	G	0.260	0.025	0.336	5.05E-25	0.009	0.017	0.585	0.028	106.694	TRUE	3.80E-24
Non-allergic asthma	FADS2	cg25324164	rs7102974	T	C	-0.802	0.086	0.016	8.33E-21	-0.064	0.142	0.654	0.023	87.475	TRUE	3.86E-20
Non-allergic asthma	FADS2	cg25324164	rs72926147	A	G	-0.447	0.078	0.023	1.18E-08	0.073	0.050	0.145	0.009	32.495	TRUE	4.44E-08
Non-allergic asthma	FADS2	cg25324164	rs7928482	A	G	-0.645	0.092	0.014	2.36E-12	-0.061	0.059	0.304	0.013	49.131	TRUE	9.33E-12
Non-allergic asthma	FADS2	cg25324164	rs968567	T	C	-0.970	0.026	0.176	9.68E-302	-0.049	0.025	0.053	0.275	1400.791	TRUE	9.05E-267
Non-allergic asthma	FBXO31	cg06750038	rs11117269	C	T	-0.534	0.023	0.442	4.82E-117	0.037	0.016	0.019	0.125	528.646	TRUE	1.76E-107
Non-allergic asthma	FBXO31	cg06750038	rs13334287	G	A	-0.342	0.036	0.116	1.68E-21	-0.019	0.024	0.414	0.024	90.641	TRUE	1.26E-20
Non-allergic asthma	FBXO31	cg06750038	rs1864144	G	C	-0.390	0.058	0.044	1.65E-11	-0.016	0.045	0.728	0.012	45.325	TRUE	3.45E-11
Non-allergic asthma	FBXO31	cg06750038	rs6540049	C	T	-0.296	0.025	0.309	1.38E-32	0.019	0.016	0.245	0.037	141.227	TRUE	5.23E-31
Non-allergic asthma	FBXO31	cg06750038	rs71390888	G	C	-0.490	0.079	0.021	4.66E-10	0.063	0.052	0.229	0.010	38.794	TRUE	1.69E-09
Non-allergic asthma	FBXO31	cg06750038	rs71390902	C	T	-0.299	0.044	0.067	9.75E-12	0.021	0.024	0.395	0.012	46.354	TRUE	3.14E-11
Non-allergic asthma	FBXO31	cg06750038	rs74622263	G	A	0.276	0.049	0.056	1.92E-08	0.050	0.038	0.190	0.008	31.557	TRUE	6.36E-08
Non-allergic asthma	FBXO31	cg06750038	rs8044820	G	A	-0.473	0.053	0.050	2.47E-19	0.013	0.031	0.672	0.021	80.779	TRUE	9.87E-19
Non-allergic asthma	FBXO31	cg06750038	rs8053397	G	C	0.156	0.026	0.273	1.89E-09	0.004	0.017	0.837	0.010	36.062	TRUE	3.12E-09
Non-allergic asthma	FBXO31	cg06750038	rs825579	A	G	0.179	0.024	0.473	6.66E-14	0.018	0.016	0.261	0.015	56.135	TRUE	3.32E-13
Non-allergic asthma	FBXO31	cg06750038	rs873222	A	G	-0.299	0.040	0.090	9.20E-14	0.010	0.026	0.704	0.015	55.501	TRUE	2.31E-13
Non-allergic asthma	FBXO31	cg06750038	rs9938266	C	T	-0.188	0.025	0.339	3.51E-14	0.031	0.016	0.054	0.015	57.393	TRUE	3.70E-13
Non-allergic asthma	FBXO31	cg09880724	rs111469125	G	A	0.608	0.054	0.050	3.40E-29	-0.027	0.036	0.465	0.033	125.733	TRUE	4.88E-28
Non-allergic asthma	FBXO31	cg09880724	rs111931917	G	A	0.396	0.040	0.100	6.93E-23	-0.005	0.033	0.872	0.026	96.948	TRUE	2.72E-22
Non-allergic asthma	FBXO31	cg09880724	rs113137978	T	C	0.606	0.084	0.014	4.87E-13	0.001	0.071	0.993	0.014	52.227	TRUE	8.39E-13
Non-allergic asthma	FBXO31	cg09880724	rs117825456	T	G	0.332	0.058	0.040	1.30E-08	0.023	0.049	0.642	0.009	32.320	TRUE	2.44E-08
Non-allergic asthma	FBXO31	cg09880724	rs2334207	T	G	-0.163	0.023	0.481	2.46E-12	0.005	0.016	0.743	0.013	49.049	TRUE	5.36E-12
Non-allergic asthma	FBXO31	cg09880724	rs2573119	A	G	0.264	0.037	0.110	8.10E-13	0.053	0.030	0.072	0.014	51.230	TRUE	6.47E-12
Non-allergic asthma	FBXO31	cg09880724	rs4552033	A	G	0.245	0.032	0.155	1.61E-14	0.016	0.025	0.528	0.016	58.923	TRUE	5.41E-14
Non-allergic asthma	FBXO31	cg09880724	rs6540049	C	T	-0.219	0.025	0.309	5.24E-19	0.019	0.016	0.245	0.021	79.293	TRUE	4.50E-18
Non-allergic asthma	FBXO31	cg09880724	rs76928063	T	C	0.402	0.066	0.034	1.10E-09	-0.054	0.044	0.217	0.010	37.122	TRUE	3.93E-09
Non-allergic asthma	FEZ2	cg01109574	rs13391939	A	G	0.171	0.025	0.423	3.24E-12	0.004	0.016	0.821	0.013	48.512	TRUE	6.41E-12
Non-allergic asthma	FEZ2	cg01109574	rs13405239	G	T	-0.313	0.024	0.381	7.22E-39	-0.010	0.016	0.539	0.044	169.956	TRUE	2.50E-37
Non-allergic asthma	FEZ2	cg01109574	rs848505	C	T	-0.141	0.026	0.301	3.48E-08	-0.012	0.017	0.496	0.008	30.404	TRUE	7.35E-08
Non-allergic asthma	FEZ2	cg01109574	rs848621	A	G	0.217	0.026	0.318	2.09E-17	-0.029	0.017	0.086	0.019	72.024	TRUE	2.67E-16
Non-allergic asthma	FEZ2	cg01206211	rs115696505	T	G	-0.397	0.066	0.031	1.45E-09	-0.030	0.048	0.532	0.010	36.578	TRUE	3.28E-09
Non-allergic asthma	FEZ2	cg01206211	rs2287104	T	C	-0.708	0.024	0.272	1.17E-191	-0.025	0.017	0.154	0.191	871.580	TRUE	1.54E-173
Non-allergic asthma	FEZ2	cg01206211	rs2372707	T	C	-0.246	0.026	0.294	1.55E-21	0.010	0.017	0.538	0.024	90.800	TRUE	9.26E-21
Non-allergic asthma	FEZ2	cg01206211	rs3770946	A	G	-0.174	0.025	0.335	3.02E-12	0.009	0.016	0.552	0.013	48.648	TRUE	8.19E-12
Non-allergic asthma	FEZ2	cg01206211	rs4670563	G	A	-0.223	0.024	0.350	9.10E-20	0.000	0.017	0.998	0.022	82.752	TRUE	2.37E-19

Non-allergic asthma	FEZ2	cg01206211	rs62136183	G	A	0.439	0.074	0.024	3.29E-09	0.120	0.063	0.058	0.009	34.985	TRUE	1.79E-08
Non-allergic asthma	FEZ2	cg01206211	rs6733328	A	G	-0.156	0.026	0.313	2.03E-09	0.015	0.016	0.346	0.010	35.924	TRUE	5.73E-09
Non-allergic asthma	FEZ2	cg01206211	rs848548	A	C	0.211	0.026	0.283	3.98E-16	0.022	0.017	0.200	0.018	66.209	TRUE	2.87E-15
Non-allergic asthma	FEZ2	cg01206211	rs848617	C	G	0.298	0.025	0.313	5.13E-33	0.044	0.018	0.013	0.037	143.192	TRUE	1.31E-30
Non-allergic asthma	FEZ2	cg06634576	rs11124528	C	A	-0.187	0.024	0.411	1.31E-14	0.015	0.016	0.347	0.016	59.339	TRUE	5.88E-14
Non-allergic asthma	FEZ2	cg06634576	rs113399069	C	A	-0.875	0.149	0.016	4.08E-09	0.008	0.064	0.904	0.009	34.565	TRUE	6.20E-09
Non-allergic asthma	FEZ2	cg06634576	rs114378373	G	A	-0.647	0.056	0.048	2.96E-31	0.057	0.041	0.165	0.035	135.142	TRUE	1.31E-29
Non-allergic asthma	FEZ2	cg06634576	rs115696505	T	G	0.467	0.066	0.031	1.16E-12	-0.030	0.048	0.532	0.013	50.527	TRUE	3.33E-12
Non-allergic asthma	FEZ2	cg06634576	rs144029257	C	G	-0.764	0.075	0.024	1.83E-24	0.029	0.033	0.385	0.027	104.140	TRUE	1.94E-23
Non-allergic asthma	FEZ2	cg06634576	rs145219350	G	A	-0.847	0.092	0.017	2.39E-20	-0.009	0.117	0.940	0.023	85.392	TRUE	7.03E-20
Non-allergic asthma	FEZ2	cg06634576	rs1465335	A	G	-0.172	0.024	0.423	3.51E-13	-0.021	0.016	0.185	0.014	52.874	TRUE	1.94E-12
Non-allergic asthma	FEZ2	cg06634576	rs2888369	A	T	0.384	0.024	0.339	2.23E-55	0.006	0.018	0.737	0.062	245.589	TRUE	3.80E-53
Non-allergic asthma	FEZ2	cg06634576	rs3770900	G	T	-0.313	0.024	0.416	1.53E-39	0.007	0.016	0.649	0.045	173.038	TRUE	4.47E-38
Non-allergic asthma	FEZ2	cg06634576	rs4670148	T	C	0.507	0.025	0.317	9.19E-93	-0.023	0.017	0.166	0.101	417.129	TRUE	9.95E-87
Non-allergic asthma	FEZ2	cg06634576	rs4670560	T	C	-0.595	0.027	0.226	1.73E-104	-0.018	0.018	0.320	0.113	470.975	TRUE	8.95E-98
Non-allergic asthma	FEZ2	cg06634576	rs62136186	G	A	0.401	0.072	0.025	1.99E-08	0.122	0.061	0.047	0.008	31.485	TRUE	1.04E-07
Non-allergic asthma	FEZ2	cg06634576	rs6544015	A	T	-0.527	0.027	0.240	2.77E-84	-0.002	0.019	0.923	0.093	378.198	TRUE	2.77E-80
Non-allergic asthma	FEZ2	cg06634576	rs6714112	A	C	-0.287	0.033	0.149	1.01E-18	0.008	0.023	0.717	0.021	78.006	TRUE	3.59E-18
Non-allergic asthma	FEZ2	cg06634576	rs711245	A	G	-0.962	0.021	0.321	<1E-200	0.038	0.017	0.030	0.367	2148.898	TRUE	<1E-200
Non-allergic asthma	FEZ2	cg06634576	rs711246	G	C	-0.853	0.156	0.010	4.92E-08	0.079	0.059	0.181	0.008	29.731	TRUE	1.59E-07
Non-allergic asthma	FEZ2	cg06634576	rs72785167	T	C	-0.246	0.044	0.075	2.98E-08	0.035	0.035	0.324	0.008	30.703	TRUE	7.79E-08
Non-allergic asthma	FEZ2	cg06634576	rs72795287	T	C	-0.769	0.092	0.019	4.59E-17	-0.025	0.045	0.585	0.019	70.467	TRUE	1.74E-16
Non-allergic asthma	FEZ2	cg06634576	rs76259623	C	T	0.384	0.041	0.080	8.11E-21	-0.024	0.030	0.412	0.023	87.528	TRUE	5.72E-20
Non-allergic asthma	FEZ2	cg06634576	rs848504	T	C	0.157	0.024	0.418	4.28E-11	-0.012	0.016	0.445	0.012	43.457	TRUE	1.22E-10
Non-allergic asthma	FEZ2	cg06634576	rs997602	G	A	-0.436	0.038	0.107	9.02E-30	0.020	0.032	0.531	0.034	128.365	TRUE	1.19E-28
Non-allergic asthma	FEZ2	cg07673538	rs1544655	G	A	0.331	0.027	0.271	5.55E-35	-0.025	0.017	0.148	0.040	152.182	TRUE	4.25E-33
Non-allergic asthma	FEZ2	cg07673538	rs4670153	C	G	-0.203	0.024	0.341	1.01E-16	0.009	0.016	0.578	0.018	68.910	TRUE	3.77E-16
Non-allergic asthma	FEZ2	cg07673538	rs7602835	A	G	-0.147	0.024	0.409	9.61E-10	-0.023	0.016	0.144	0.010	37.382	TRUE	4.09E-09
Non-allergic asthma	FEZ2	cg07673538	rs76525014	A	G	0.391	0.071	0.028	3.84E-08	-0.001	0.053	0.978	0.008	30.211	TRUE	5.20E-08
Non-allergic asthma	FEZ2	cg09467607	rs1017153	G	T	0.291	0.027	0.230	2.67E-26	-0.006	0.019	0.735	0.030	112.513	TRUE	1.74E-25
Non-allergic asthma	FEZ2	cg09467607	rs10191126	G	A	0.144	0.025	0.323	8.52E-09	0.000	0.017	0.988	0.009	33.135	TRUE	1.18E-08
Non-allergic asthma	FEZ2	cg09467607	rs10490666	T	A	-0.147	0.026	0.306	2.17E-08	0.029	0.017	0.089	0.008	31.317	TRUE	9.29E-08
Non-allergic asthma	FEZ2	cg09467607	rs111453351	A	T	-0.411	0.059	0.037	2.66E-12	0.009	0.039	0.813	0.013	48.899	TRUE	5.34E-12
Non-allergic asthma	FEZ2	cg09467607	rs111600359	C	T	-0.607	0.025	0.296	2.86E-131	0.006	0.017	0.695	0.138	594.011	TRUE	1.72E-122
Non-allergic asthma	FEZ2	cg09467607	rs11886145	G	C	0.760	0.022	0.329	2.28E-260	0.035	0.018	0.046	0.243	1187.524	TRUE	1.29E-229
Non-allergic asthma	FEZ2	cg09467607	rs144029257	C	G	0.437	0.075	0.024	6.13E-09	0.029	0.033	0.385	0.009	33.775	TRUE	1.57E-08
Non-allergic asthma	FEZ2	cg09467607	rs145219350	G	A	0.538	0.092	0.017	4.96E-09	-0.009	0.117	0.940	0.009	34.188	TRUE	7.25E-09
Non-allergic asthma	FEZ2	cg09467607	rs17480531	T	G	0.419	0.060	0.041	3.33E-12	-0.055	0.031	0.073	0.013	48.460	TRUE	2.45E-11
Non-allergic asthma	FEZ2	cg09467607	rs1861392	G	A	0.287	0.033	0.149	2.00E-18	-0.017	0.024	0.480	0.020	76.646	TRUE	1.00E-17
Non-allergic asthma	FEZ2	cg09467607	rs2110881	C	T	-0.315	0.040	0.102	1.65E-15	0.007	0.023	0.764	0.017	63.405	TRUE	4.37E-15
Non-allergic asthma	FEZ2	cg09467607	rs2372694	G	A	0.294	0.026	0.299	3.24E-30	-0.001	0.017	0.964	0.034	130.398	TRUE	2.01E-29
Non-allergic asthma	FEZ2	cg09467607	rs3732075	A	G	0.202	0.027	0.250	5.83E-14	0.013	0.017	0.447	0.015	56.399	TRUE	2.10E-13

Non-allergic asthma	FEZ2	cg09467607	rs3770946	A	G	-0.283	0.025	0.335	3.82E-30	0.009	0.016	0.552	0.034	130.070	TRUE	5.02E-29
Non-allergic asthma	FEZ2	cg09467607	rs75597083	A	G	0.363	0.043	0.082	4.17E-17	0.005	0.038	0.897	0.019	70.657	TRUE	1.04E-16
Non-allergic asthma	FEZ2	cg09467607	rs79688789	C	G	0.821	0.095	0.015	4.93E-18	-0.001	0.058	0.993	0.020	74.870	TRUE	1.15E-17
Non-allergic asthma	FEZ2	cg09467607	rs848548	A	C	0.343	0.026	0.283	1.09E-40	0.022	0.017	0.200	0.046	178.290	TRUE	1.35E-38
Non-allergic asthma	FEZ2	cg09467607	rs882842	C	A	0.425	0.070	0.030	1.35E-09	-0.031	0.100	0.757	0.010	36.721	TRUE	2.42E-09
Non-allergic asthma	FEZ2	cg09467607	rs884216	T	A	-0.445	0.029	0.215	2.08E-54	-0.001	0.019	0.967	0.061	241.135	TRUE	1.81E-52
Non-allergic asthma	FEZ2	cg09467607	rs997602	G	A	0.243	0.039	0.107	3.52E-10	0.020	0.032	0.531	0.011	39.341	TRUE	8.35E-10
Non-allergic asthma	FEZ2	cg10546459	rs10084382	T	C	0.307	0.026	0.312	2.81E-33	-0.009	0.016	0.574	0.038	144.387	TRUE	4.87E-32
Non-allergic asthma	FEZ2	cg10546459	rs10191126	G	A	0.284	0.025	0.323	3.05E-30	0.000	0.017	0.988	0.034	130.518	TRUE	1.82E-29
Non-allergic asthma	FEZ2	cg10546459	rs10490666	T	A	-0.376	0.026	0.306	7.23E-48	0.029	0.017	0.089	0.054	211.163	TRUE	4.89E-45
Non-allergic asthma	FEZ2	cg10546459	rs11124524	G	C	-0.689	0.120	0.025	9.75E-09	-0.137	0.118	0.246	0.009	32.873	TRUE	3.00E-08
Non-allergic asthma	FEZ2	cg10546459	rs112164165	G	T	0.513	0.092	0.018	2.66E-08	0.030	0.041	0.463	0.008	30.924	TRUE	5.88E-08
Non-allergic asthma	FEZ2	cg10546459	rs114882057	G	A	-0.488	0.079	0.022	7.42E-10	-0.002	0.051	0.974	0.010	37.885	TRUE	1.10E-09
Non-allergic asthma	FEZ2	cg10546459	rs115545989	T	G	0.528	0.032	0.153	2.41E-59	0.030	0.022	0.172	0.067	263.770	TRUE	5.20E-56
Non-allergic asthma	FEZ2	cg10546459	rs115696505	T	G	-0.656	0.065	0.031	9.73E-24	-0.030	0.048	0.532	0.027	100.833	TRUE	7.17E-23
Non-allergic asthma	FEZ2	cg10546459	rs11678226	C	T	-0.916	0.021	0.303	<1E-200	-0.037	0.017	0.025	0.340	1905.014	TRUE	<1E-200
Non-allergic asthma	FEZ2	cg10546459	rs13417363	A	G	0.162	0.030	0.187	3.84E-08	-0.048	0.019	0.011	0.008	30.212	TRUE	2.76E-07
Non-allergic asthma	FEZ2	cg10546459	rs149357154	A	T	-0.674	0.060	0.039	3.55E-29	-0.043	0.050	0.385	0.033	125.648	TRUE	6.12E-28
Non-allergic asthma	FEZ2	cg10546459	rs17479952	A	G	0.438	0.078	0.022	1.95E-08	-0.075	0.069	0.276	0.008	31.529	TRUE	5.54E-08
Non-allergic asthma	FEZ2	cg10546459	rs2372707	T	C	-0.344	0.026	0.294	8.39E-41	0.010	0.017	0.538	0.046	178.812	TRUE	3.66E-39
Non-allergic asthma	FEZ2	cg10546459	rs3770929	A	G	0.328	0.024	0.409	1.17E-43	-0.020	0.016	0.215	0.049	191.894	TRUE	2.01E-41
Non-allergic asthma	FEZ2	cg10546459	rs4670563	G	A	-0.307	0.024	0.350	3.10E-36	0.000	0.017	0.998	0.041	157.910	TRUE	3.18E-35
Non-allergic asthma	FEZ2	cg10546459	rs62136186	G	A	0.462	0.071	0.025	1.01E-10	0.122	0.061	0.047	0.011	41.787	TRUE	7.15E-10
Non-allergic asthma	FEZ2	cg10546459	rs6710384	C	A	0.317	0.034	0.136	1.22E-20	-0.005	0.023	0.829	0.023	86.715	TRUE	4.31E-20
Non-allergic asthma	FEZ2	cg10546459	rs68111809	C	T	-0.536	0.081	0.019	4.57E-11	-0.109	0.046	0.018	0.012	43.329	TRUE	4.55E-10
Non-allergic asthma	FEZ2	cg10546459	rs711250	C	G	0.274	0.032	0.156	1.54E-17	0.001	0.022	0.973	0.019	72.619	TRUE	3.58E-17
Non-allergic asthma	FEZ2	cg10546459	rs72787263	A	C	-0.402	0.042	0.088	6.48E-22	0.011	0.028	0.702	0.024	92.527	TRUE	3.05E-21
Non-allergic asthma	FEZ2	cg10546459	rs76259623	C	T	-0.482	0.041	0.080	4.99E-32	-0.024	0.030	0.412	0.036	138.676	TRUE	1.09E-30
Non-allergic asthma	FEZ2	cg10546459	rs848505	C	T	0.303	0.026	0.301	1.67E-32	-0.012	0.017	0.496	0.037	140.846	TRUE	3.17E-31
Non-allergic asthma	FEZ2	cg10546459	rs848555	T	G	0.275	0.026	0.266	1.57E-25	0.023	0.017	0.174	0.029	109.002	TRUE	3.44E-24
Non-allergic asthma	FEZ2	cg10546459	rs882842	C	A	0.443	0.070	0.030	2.67E-10	-0.031	0.100	0.757	0.011	39.880	TRUE	5.01E-10
Non-allergic asthma	FEZ2	cg11324054	rs13013664	A	C	0.218	0.025	0.323	1.70E-18	0.033	0.018	0.060	0.020	76.968	TRUE	2.95E-17
Non-allergic asthma	FEZ2	cg11324054	rs2270333	C	G	-0.162	0.025	0.349	5.04E-11	-0.027	0.016	0.098	0.012	43.138	TRUE	2.88E-10
Non-allergic asthma	FEZ2	cg15105969	rs10191126	G	A	0.271	0.025	0.323	1.16E-27	0.000	0.017	0.988	0.031	118.733	TRUE	5.57E-27
Non-allergic asthma	FEZ2	cg15105969	rs10490666	T	A	-0.327	0.026	0.306	2.40E-36	0.029	0.017	0.089	0.041	158.420	TRUE	3.18E-34
Non-allergic asthma	FEZ2	cg15105969	rs11124524	G	C	-0.777	0.120	0.025	9.61E-11	-0.137	0.118	0.246	0.011	41.877	TRUE	3.62E-10
Non-allergic asthma	FEZ2	cg15105969	rs115696505	T	G	-0.636	0.065	0.031	2.23E-22	-0.030	0.048	0.532	0.025	94.638	TRUE	1.45E-21
Non-allergic asthma	FEZ2	cg15105969	rs11678226	C	T	-0.864	0.023	0.303	<1E-200	-0.037	0.017	0.025	0.283	1462.909	TRUE	8.57E-277
Non-allergic asthma	FEZ2	cg15105969	rs13417363	A	G	0.178	0.030	0.187	1.51E-09	-0.048	0.019	0.011	0.010	36.505	TRUE	1.36E-08
Non-allergic asthma	FEZ2	cg15105969	rs144029257	C	G	0.560	0.075	0.024	9.20E-14	0.029	0.033	0.385	0.015	55.501	TRUE	3.59E-13
Non-allergic asthma	FEZ2	cg15105969	rs17479952	A	G	0.452	0.078	0.022	6.47E-09	-0.075	0.069	0.276	0.009	33.669	TRUE	1.93E-08
Non-allergic asthma	FEZ2	cg15105969	rs2372707	T	C	-0.345	0.026	0.294	5.46E-41	0.010	0.017	0.538	0.046	179.665	TRUE	2.44E-39

Non-allergic asthma	FEZ2	cg15105969	rs3770929	A	G	0.309	0.024	0.409	4.47E-39	-0.020	0.016	0.215	0.044	170.912	TRUE	4.22E-37
Non-allergic asthma	FEZ2	cg15105969	rs4553805	G	C	-0.649	0.061	0.038	1.87E-26	-0.048	0.041	0.242	0.030	113.223	TRUE	3.56E-25
Non-allergic asthma	FEZ2	cg15105969	rs4670563	G	A	-0.335	0.024	0.350	7.02E-43	0.000	0.017	0.998	0.048	188.322	TRUE	1.43E-41
Non-allergic asthma	FEZ2	cg15105969	rs540730021	G	A	0.563	0.073	0.027	1.53E-14	-0.036	0.066	0.584	0.016	59.029	TRUE	4.75E-14
Non-allergic asthma	FEZ2	cg15105969	rs60512518	G	A	0.142	0.026	0.306	3.34E-08	-0.003	0.017	0.849	0.008	30.480	TRUE	5.07E-08
Non-allergic asthma	FEZ2	cg15105969	rs62134623	G	A	-0.316	0.045	0.072	2.50E-12	0.025	0.039	0.526	0.013	49.023	TRUE	7.05E-12
Non-allergic asthma	FEZ2	cg15105969	rs62136179	G	A	-0.622	0.105	0.010	3.52E-09	-0.142	0.127	0.263	0.009	34.856	TRUE	1.10E-08
Non-allergic asthma	FEZ2	cg15105969	rs62136186	G	A	0.397	0.072	0.025	2.81E-08	0.122	0.061	0.047	0.008	30.819	TRUE	1.43E-07
Non-allergic asthma	FEZ2	cg15105969	rs6716934	T	A	0.361	0.032	0.150	5.57E-29	0.010	0.023	0.657	0.033	124.754	TRUE	5.33E-28
Non-allergic asthma	FEZ2	cg15105969	rs711245	A	G	0.441	0.025	0.321	7.81E-69	0.038	0.017	0.030	0.077	307.294	TRUE	4.38E-64
Non-allergic asthma	FEZ2	cg15105969	rs711250	C	G	0.264	0.032	0.156	2.04E-16	0.001	0.022	0.973	0.018	67.523	TRUE	4.42E-16
Non-allergic asthma	FEZ2	cg15105969	rs72787263	A	C	-0.322	0.042	0.088	1.65E-14	0.011	0.028	0.702	0.016	58.882	TRUE	4.38E-14
Non-allergic asthma	FEZ2	cg15105969	rs72789216	T	A	-0.499	0.082	0.019	9.41E-10	-0.109	0.046	0.019	0.010	37.423	TRUE	7.66E-09
Non-allergic asthma	FEZ2	cg15105969	rs76259623	C	T	-0.482	0.041	0.080	5.36E-32	-0.024	0.030	0.412	0.036	138.534	TRUE	1.17E-30
Non-allergic asthma	FEZ2	cg15105969	rs848505	C	T	0.260	0.026	0.301	3.13E-24	-0.012	0.017	0.496	0.027	103.081	TRUE	2.58E-23
Non-allergic asthma	FEZ2	cg15105969	rs848555	T	G	0.304	0.026	0.266	6.97E-31	0.023	0.017	0.174	0.035	133.445	TRUE	2.84E-29
Non-allergic asthma	FEZ2	cg15105969	rs997602	G	A	0.269	0.039	0.107	3.46E-12	0.020	0.032	0.531	0.013	48.381	TRUE	9.60E-12
Non-allergic asthma	FEZ2	cg24860371	rs11693359	T	C	-0.191	0.025	0.359	7.69E-15	-0.004	0.016	0.802	0.016	60.380	TRUE	1.85E-14
Non-allergic asthma	FGFR1	cg02043791	rs12544187	A	C	-0.350	0.025	0.413	5.41E-43	0.007	0.016	0.665	0.049	188.838	TRUE	2.27E-41
Non-allergic asthma	FGFR1	cg02043791	rs138012741	G	A	-1.575	0.079	0.026	3.18E-89	0.079	0.049	0.107	0.098	400.880	TRUE	2.83E-83
Non-allergic asthma	FGFR1	cg02043791	rs17182134	A	C	0.747	0.045	0.079	2.84E-61	-0.052	0.033	0.121	0.069	272.614	TRUE	1.20E-57
Non-allergic asthma	FGFR1	cg02043791	rs2445027	G	T	-0.221	0.037	0.137	1.91E-09	-0.020	0.026	0.448	0.010	36.047	TRUE	4.71E-09
Non-allergic asthma	FGFR1	cg02043791	rs34503346	T	C	-0.250	0.029	0.256	2.32E-18	-0.006	0.019	0.743	0.020	76.353	TRUE	7.77E-18
Non-allergic asthma	FGFR1	cg04685186	rs3758101	A	C	0.171	0.031	0.224	2.48E-08	0.002	0.019	0.912	0.008	31.062	TRUE	3.58E-08
Non-allergic asthma	FGFR1	cg08722122	rs117880184	T	C	-0.983	0.093	0.036	2.82E-26	-0.031	0.063	0.625	0.029	112.411	TRUE	2.22E-25
Non-allergic asthma	FGFR1	cg08722122	rs3758102	T	C	-0.283	0.028	0.271	9.38E-24	0.010	0.017	0.569	0.027	100.906	TRUE	6.47E-23
Non-allergic asthma	FGFR1	cg08722122	rs6474458	A	G	-0.139	0.025	0.447	4.14E-08	-0.011	0.016	0.469	0.008	30.067	TRUE	8.95E-08
Non-allergic asthma	FGFR1	cg08722122	rs6990295	T	C	-0.294	0.037	0.132	4.40E-15	0.023	0.023	0.327	0.016	61.477	TRUE	2.15E-14
Non-allergic asthma	FGFR1	cg08722122	rs74584846	A	G	0.245	0.044	0.092	2.39E-08	0.024	0.033	0.475	0.008	31.130	TRUE	5.24E-08
Non-allergic asthma	FGFR1	cg08722122	rs75923541	A	G	0.456	0.041	0.107	1.12E-28	0.002	0.026	0.944	0.032	123.368	TRUE	6.31E-28
Non-allergic asthma	FGFR1	cg11547613	rs12114449	G	A	-0.247	0.044	0.087	2.73E-08	-0.069	0.029	0.018	0.008	30.873	TRUE	1.78E-07
Non-allergic asthma	FGFR1	cg12614213	rs4739558	A	G	-0.159	0.026	0.401	9.45E-10	0.001	0.016	0.967	0.010	37.414	TRUE	1.40E-09
Non-allergic asthma	FGFR1	cg14733725	rs17182134	A	C	-0.399	0.046	0.079	3.58E-18	-0.052	0.033	0.121	0.020	75.502	TRUE	4.22E-17
Non-allergic asthma	FGFR1	cg15321288	rs17175631	A	G	-0.226	0.041	0.108	4.41E-08	0.002	0.026	0.938	0.008	29.946	TRUE	6.15E-08
Non-allergic asthma	FGFR1	cg15321288	rs17182051	T	C	-0.666	0.099	0.032	1.44E-11	0.034	0.060	0.566	0.012	45.590	TRUE	3.64E-11
Non-allergic asthma	FGFR1	cg15321288	rs17435276	C	A	-0.211	0.028	0.286	2.63E-14	-0.029	0.019	0.131	0.015	57.964	TRUE	1.94E-13
Non-allergic asthma	FGFR1	cg15321288	rs2461335	T	C	0.215	0.039	0.122	4.39E-08	-0.044	0.024	0.064	0.008	29.951	TRUE	2.00E-07
Non-allergic asthma	FGFR1	cg15321288	rs6474491	C	T	0.172	0.029	0.244	3.20E-09	0.007	0.020	0.725	0.009	35.037	TRUE	5.79E-09
Non-allergic asthma	FGFR1	cg15321288	rs881300	C	A	-0.331	0.037	0.132	6.41E-19	0.023	0.023	0.325	0.021	78.896	TRUE	4.52E-18
Non-allergic asthma	FGFR1	cg15321288	rs930828	C	T	0.524	0.025	0.410	9.45E-98	0.010	0.016	0.540	0.106	440.034	TRUE	4.39E-92
Non-allergic asthma	FGFR1	cg16625770	rs11784905	A	T	-0.268	0.032	0.198	1.69E-17	-0.006	0.019	0.749	0.019	72.434	TRUE	5.27E-17
Non-allergic asthma	FGFR1	cg16625770	rs118173885	C	T	-0.665	0.121	0.021	3.47E-08	-0.090	0.071	0.205	0.008	30.407	TRUE	1.09E-07

Non-allergic asthma	FGFR1	cg16625770	rs12114449	G	A	-0.462	0.044	0.087	1.10E-25	-0.069	0.029	0.018	0.029	109.714	TRUE	8.42E-24
Non-allergic asthma	FGFR1	cg16625770	rs17182002	A	C	0.468	0.025	0.399	1.20E-76	0.018	0.016	0.263	0.085	343.147	TRUE	3.01E-72
Non-allergic asthma	FGFR1	cg16625770	rs17435276	C	A	-0.312	0.028	0.286	9.08E-30	-0.029	0.019	0.131	0.034	128.351	TRUE	3.97E-28
Non-allergic asthma	FGFR1	cg16625770	rs28761213	T	A	-0.182	0.029	0.238	5.37E-10	-0.006	0.018	0.749	0.010	38.518	TRUE	9.95E-10
Non-allergic asthma	FGFR1	cg16625770	rs328291	A	G	0.179	0.031	0.206	1.24E-08	-0.004	0.020	0.852	0.009	32.409	TRUE	1.92E-08
Non-allergic asthma	FGFR1	cg20148210	rs17182051	T	C	-0.661	0.099	0.032	2.09E-11	0.034	0.060	0.566	0.012	44.857	TRUE	5.23E-11
Non-allergic asthma	FGFR1	cg24828864	rs138012741	G	A	0.456	0.081	0.026	1.86E-08	0.079	0.049	0.107	0.008	31.621	TRUE	7.56E-08
Non-allergic asthma	FGFR1	cg24828864	rs17175624	T	G	0.203	0.026	0.399	4.11E-15	0.018	0.016	0.264	0.016	61.611	TRUE	2.29E-14
Non-allergic asthma	FGFR1	cg27653103	rs12114449	G	A	-0.346	0.044	0.087	5.35E-15	-0.069	0.029	0.018	0.016	61.095	TRUE	9.34E-14
Non-allergic asthma	FGR	cg00065048	rs112861813	G	A	0.725	0.050	0.059	9.19E-48	0.045	0.034	0.192	0.054	210.686	TRUE	3.11E-45
Non-allergic asthma	FGR	cg00065048	rs28906069	G	A	0.498	0.080	0.038	5.15E-10	0.042	0.062	0.501	0.010	38.600	TRUE	1.25E-09
Non-allergic asthma	FGR	cg00065048	rs34341922	G	A	0.135	0.024	0.373	3.33E-08	-0.022	0.016	0.172	0.008	30.491	TRUE	1.11E-07
Non-allergic asthma	FGR	cg00404394	rs11247639	A	G	0.144	0.026	0.299	3.64E-08	-0.009	0.017	0.580	0.008	30.317	TRUE	7.04E-08
Non-allergic asthma	FGR	cg00404394	rs112861813	G	A	1.038	0.049	0.059	4.20E-99	0.045	0.034	0.192	0.108	446.244	TRUE	1.45E-92
Non-allergic asthma	FGR	cg00404394	rs17340482	C	G	0.326	0.045	0.079	5.50E-13	0.001	0.032	0.975	0.014	51.988	TRUE	9.64E-13
Non-allergic asthma	FGR	cg00404394	rs28906069	G	A	0.732	0.080	0.038	3.99E-20	0.042	0.062	0.501	0.022	84.381	TRUE	2.24E-19
Non-allergic asthma	FGR	cg00404394	rs75443844	T	C	0.604	0.095	0.016	1.83E-10	0.073	0.089	0.413	0.011	40.619	TRUE	5.15E-10
Non-allergic asthma	FGR	cg00404394	rs7556668	G	A	0.262	0.039	0.102	2.10E-11	0.013	0.025	0.602	0.012	44.851	TRUE	5.03E-11
Non-allergic asthma	FGR	cg06827976	rs17162676	G	A	0.670	0.105	0.014	1.58E-10	0.198	0.099	0.047	0.011	40.910	TRUE	1.10E-09
Non-allergic asthma	FGR	cg08885657	rs34806307	T	C	0.711	0.042	0.075	2.51E-64	-0.013	0.045	0.778	0.072	286.615	TRUE	1.39E-61
Non-allergic asthma	FGR	cg09845000	rs112861813	G	A	0.854	0.050	0.059	3.00E-66	0.045	0.034	0.192	0.074	295.433	TRUE	1.79E-62
Non-allergic asthma	FGR	cg09845000	rs28906069	G	A	0.622	0.080	0.038	7.18E-15	0.042	0.062	0.501	0.016	60.515	TRUE	2.57E-14
Non-allergic asthma	FGR	cg11587640	rs112861813	G	A	0.437	0.050	0.059	4.65E-18	0.045	0.034	0.192	0.020	74.982	TRUE	4.21E-17
Non-allergic asthma	FGR	cg22402398	rs12726763	G	A	-0.333	0.045	0.071	1.33E-13	0.006	0.049	0.910	0.015	54.777	TRUE	2.60E-13
Non-allergic asthma	FGR	cg22402398	rs17162676	G	A	-2.119	0.102	0.014	1.07E-96	0.198	0.099	0.047	0.105	435.201	TRUE	1.17E-89
Non-allergic asthma	FIS1	cg01299997	rs112823304	C	T	0.593	0.098	0.017	1.19E-09	0.102	0.148	0.492	0.010	36.970	TRUE	2.83E-09
Non-allergic asthma	FIS1	cg01299997	rs4729666	T	C	0.238	0.032	0.191	5.20E-14	0.009	0.018	0.640	0.015	56.623	TRUE	1.44E-13
Non-allergic asthma	FIS1	cg01299997	rs4729678	T	G	0.231	0.024	0.393	1.01E-21	0.043	0.016	0.008	0.024	91.654	TRUE	6.24E-20
Non-allergic asthma	FIS1	cg01299997	rs6979286	G	A	0.649	0.051	0.056	1.15E-37	-0.034	0.033	0.301	0.043	164.450	TRUE	6.64E-36
Non-allergic asthma	FIS1	cg01299997	rs75741381	G	C	-0.187	0.032	0.157	6.59E-09	0.033	0.022	0.128	0.009	33.634	TRUE	2.66E-08
Non-allergic asthma	FIS1	cg01299997	rs77379913	A	G	-0.904	0.072	0.029	3.03E-36	0.052	0.065	0.424	0.041	157.954	TRUE	1.03E-34
Non-allergic asthma	FIS1	cg03239279	rs184781527	A	G	-1.102	0.111	0.015	2.91E-23	-0.105	0.046	0.023	0.026	98.663	TRUE	1.43E-21
Non-allergic asthma	FIS1	cg17825709	rs371349457	G	C	0.548	0.052	0.053	6.22E-26	-0.103	0.046	0.026	0.029	110.840	TRUE	4.21E-24
Non-allergic asthma	FIS1	cg17825709	rs4729678	T	G	0.179	0.024	0.393	1.33E-13	0.043	0.016	0.008	0.015	54.780	TRUE	2.47E-12
Non-allergic asthma	FIS1	cg17825709	rs734688	T	C	-0.131	0.024	0.388	3.46E-08	0.012	0.017	0.494	0.008	30.416	TRUE	7.32E-08
Non-allergic asthma	FIS1	cg17825709	rs77379913	A	G	-0.449	0.072	0.029	5.34E-10	0.052	0.065	0.424	0.010	38.526	TRUE	1.43E-09
Non-allergic asthma	FIS1	cg17944572	rs2302428	C	T	-0.255	0.026	0.281	3.11E-22	-0.015	0.019	0.432	0.025	93.975	TRUE	2.41E-21
Non-allergic asthma	FIS1	cg17944572	rs77731918	T	C	-0.526	0.057	0.042	1.94E-20	0.036	0.047	0.440	0.023	85.802	TRUE	1.25E-19
Non-allergic asthma	FIS1	cg18158419	rs10265206	A	G	0.370	0.056	0.042	5.38E-11	0.036	0.046	0.444	0.011	43.011	TRUE	1.52E-10
Non-allergic asthma	FIS1	cg18158419	rs117817520	G	T	0.715	0.127	0.019	1.70E-08	-0.031	0.078	0.688	0.009	31.795	TRUE	3.03E-08
Non-allergic asthma	FIS1	cg18158419	rs13229117	C	T	0.136	0.025	0.344	4.46E-08	-0.017	0.016	0.293	0.008	29.924	TRUE	1.19E-07
Non-allergic asthma	FIS1	cg18158419	rs184781527	A	G	1.468	0.110	0.015	2.03E-40	-0.105	0.046	0.023	0.046	177.052	TRUE	1.15E-37

Non-allergic asthma	FIS1	cg18158419	rs4729678	T	G	0.235	0.024	0.393	1.92E-22	0.043	0.016	0.008	0.025	94.935	TRUE	1.32E-20
Non-allergic asthma	FIS1	cg18158419	rs734688	T	C	-0.147	0.024	0.388	6.85E-10	0.012	0.017	0.494	0.010	38.043	TRUE	1.66E-09
Non-allergic asthma	FIS1	cg18158419	rs77379913	A	G	-0.695	0.072	0.029	6.27E-22	0.052	0.065	0.424	0.024	92.591	TRUE	4.79E-21
Non-allergic asthma	FIS1	cg18158419	rs7777930	T	C	0.428	0.052	0.150	1.75E-16	0.034	0.020	0.089	0.018	67.834	TRUE	1.98E-15
Non-allergic asthma	FIS1	cg19802458	rs73185938	T	C	0.171	0.029	0.212	4.88E-09	0.034	0.018	0.064	0.009	34.217	TRUE	2.52E-08
Non-allergic asthma	FIS1	cg19802458	rs77731918	T	C	-0.460	0.057	0.042	6.08E-16	0.036	0.047	0.440	0.017	65.375	TRUE	2.63E-15
Non-allergic asthma	FIS1	cg25385322	rs1047319	G	T	-0.192	0.029	0.223	4.10E-11	-0.005	0.021	0.830	0.012	43.542	TRUE	7.51E-11
Non-allergic asthma	FIS1	cg25385322	rs13226233	C	G	-0.189	0.026	0.297	2.30E-13	-0.049	0.018	0.007	0.014	53.698	TRUE	4.24E-12
Non-allergic asthma	FIS1	cg25385322	rs6942609	A	G	0.289	0.029	0.213	3.41E-23	0.034	0.018	0.063	0.026	98.354	TRUE	1.03E-21
Non-allergic asthma	FIS1	cg25385322	rs6979286	G	A	0.547	0.051	0.056	3.38E-27	-0.034	0.033	0.301	0.031	116.611	TRUE	5.87E-26
Non-allergic asthma	FNIP2	cg00245454	rs17285611	T	C	0.428	0.059	0.070	6.51E-13	-0.018	0.027	0.505	0.014	51.658	TRUE	1.98E-12
Non-allergic asthma	FNIP2	cg05539369	rs13123982	A	G	0.133	0.024	0.382	2.83E-08	0.034	0.017	0.040	0.008	30.806	TRUE	1.50E-07
Non-allergic asthma	FNIP2	cg05615763	rs34033556	C	G	0.293	0.024	0.370	6.63E-34	0.036	0.017	0.031	0.038	147.254	TRUE	1.22E-31
Non-allergic asthma	FNIP2	cg13702235	rs2347518	A	G	0.251	0.024	0.429	1.45E-26	0.033	0.016	0.047	0.030	113.726	TRUE	7.88E-25
Non-allergic asthma	FNIP2	cg18095824	rs74931360	T	C	-0.713	0.053	0.081	9.81E-41	-0.010	0.026	0.689	0.046	178.501	TRUE	3.01E-39
Non-allergic asthma	FNIP2	cg18095824	rs79579360	A	C	-0.240	0.042	0.078	9.79E-09	-0.014	0.027	0.593	0.009	32.865	TRUE	1.95E-08
Non-allergic asthma	FNIP2	cg25026700	rs12509657	T	C	-0.417	0.054	0.049	1.13E-14	0.016	0.055	0.764	0.016	59.616	TRUE	2.82E-14
Non-allergic asthma	FOXF1	cg01142386	rs112902103	G	C	0.418	0.052	0.051	6.77E-16	0.026	0.043	0.547	0.017	65.163	TRUE	2.47E-15
Non-allergic asthma	FOXF1	cg01168283	rs146886904	T	C	0.638	0.074	0.024	6.17E-18	-0.017	0.030	0.565	0.020	74.425	TRUE	2.59E-17
Non-allergic asthma	FOXF1	cg01168283	rs7187428	G	T	0.345	0.025	0.280	9.11E-42	0.046	0.017	0.007	0.047	183.227	TRUE	1.23E-38
Non-allergic asthma	FOXF1	cg01243371	rs11865162	A	G	0.227	0.036	0.113	4.46E-10	-0.043	0.020	0.030	0.010	38.878	TRUE	3.34E-09
Non-allergic asthma	FOXF1	cg01243371	rs3829536	C	T	0.147	0.025	0.303	2.98E-09	-0.014	0.017	0.406	0.009	35.177	TRUE	7.64E-09
Non-allergic asthma	FOXF1	cg01243371	rs7185244	T	C	-0.243	0.028	0.215	4.41E-18	0.059	0.020	0.003	0.020	75.087	TRUE	2.28E-16
Non-allergic asthma	FOXF1	cg01243371	rs77088019	C	T	0.502	0.053	0.047	3.35E-21	-0.026	0.048	0.582	0.024	89.275	TRUE	1.80E-20
Non-allergic asthma	FOXF1	cg01243371	rs79805292	A	G	0.274	0.044	0.067	4.57E-10	-0.063	0.059	0.284	0.010	38.830	TRUE	1.51E-09
Non-allergic asthma	FOXF1	cg01695533	rs1364225	C	G	0.181	0.027	0.252	9.81E-12	0.067	0.019	3.52E-04	0.012	46.342	TRUE	2.82E-10
Non-allergic asthma	FOXF1	cg03366439	rs77626209	C	A	0.225	0.027	0.249	3.33E-17	0.063	0.018	6.09E-04	0.019	71.098	TRUE	2.26E-15
Non-allergic asthma	FOXF1	cg03492747	rs117056203	G	A	-0.578	0.093	0.014	5.62E-10	0.089	0.111	0.425	0.010	38.427	TRUE	1.50E-09
Non-allergic asthma	FOXF1	cg03492747	rs117790432	T	C	-0.415	0.049	0.064	4.80E-17	-0.021	0.058	0.721	0.019	70.380	TRUE	1.50E-16
Non-allergic asthma	FOXF1	cg03492747	rs1364225	C	G	-0.716	0.026	0.252	1.40E-169	0.067	0.019	3.52E-04	0.172	770.088	TRUE	1.14E-151
Non-allergic asthma	FOXF1	cg03492747	rs1424017	T	C	0.131	0.023	0.435	2.17E-08	0.014	0.016	0.369	0.008	31.320	TRUE	5.41E-08
Non-allergic asthma	FOXF1	cg03492747	rs39532	G	C	0.203	0.025	0.319	1.08E-15	-0.018	0.017	0.280	0.017	64.243	TRUE	6.15E-15
Non-allergic asthma	FOXF1	cg03492747	rs7204236	C	T	-0.207	0.024	0.461	1.90E-18	0.010	0.016	0.526	0.020	76.747	TRUE	8.87E-18
Non-allergic asthma	FOXF1	cg05555338	rs1424019	A	G	0.313	0.027	0.249	6.06E-32	0.066	0.019	3.70E-04	0.036	138.292	TRUE	5.87E-29
Non-allergic asthma	FOXF1	cg06602857	rs1169646	T	C	-0.265	0.031	0.172	2.44E-17	-0.025	0.020	0.210	0.019	71.712	TRUE	1.94E-16
Non-allergic asthma	FOXF1	cg06602857	rs117056203	G	A	0.581	0.093	0.014	4.76E-10	0.089	0.111	0.425	0.010	38.751	TRUE	1.27E-09
Non-allergic asthma	FOXF1	cg06602857	rs117790432	T	C	0.389	0.049	0.064	3.43E-15	-0.021	0.058	0.721	0.016	61.970	TRUE	9.35E-15
Non-allergic asthma	FOXF1	cg06602857	rs12102689	G	A	-0.146	0.025	0.329	3.44E-09	-0.001	0.016	0.926	0.009	34.896	TRUE	5.14E-09
Non-allergic asthma	FOXF1	cg06602857	rs12711500	C	G	0.171	0.025	0.309	1.18E-11	0.033	0.016	0.045	0.012	45.980	TRUE	9.66E-11
Non-allergic asthma	FOXF1	cg06602857	rs39532	G	C	-0.220	0.025	0.319	4.14E-18	-0.018	0.017	0.280	0.020	75.213	TRUE	2.98E-17
Non-allergic asthma	FOXF1	cg06602857	rs4843377	A	G	0.162	0.024	0.455	8.43E-12	0.005	0.016	0.754	0.012	46.637	TRUE	1.75E-11
Non-allergic asthma	FOXF1	cg06602857	rs66463231	T	G	-0.246	0.041	0.190	1.82E-09	0.011	0.027	0.700	0.010	36.143	TRUE	3.42E-09

Non-allergic asthma	FOXF1	cg06602857	rs77626209	C	A	0.702	0.026	0.249	1.83E-161	0.063	0.018	6.09E-04	0.165	732.771	TRUE	6.39E-145
Non-allergic asthma	FOXF1	cg09338251	rs1169645	T	A	0.181	0.031	0.178	4.46E-09	-0.025	0.020	0.210	0.009	34.392	TRUE	1.52E-08
Non-allergic asthma	FOXK1	cg00064840	rs28658109	C	T	0.184	0.031	0.168	3.64E-09	-0.047	0.019	0.011	0.009	34.788	TRUE	3.10E-08
Non-allergic asthma	FOXK1	cg00064840	rs6463014	T	C	-0.195	0.028	0.232	3.20E-12	-0.020	0.021	0.338	0.013	48.537	TRUE	1.18E-11
Non-allergic asthma	FOXK1	cg00064840	rs7784748	T	C	-0.532	0.023	0.426	1.67E-120	-0.022	0.017	0.201	0.128	544.544	TRUE	7.98E-112
Non-allergic asthma	FOXK1	cg01509853	rs10262715	A	G	-0.145	0.024	0.413	7.89E-10	-0.033	0.017	0.055	0.010	37.766	TRUE	4.75E-09
Non-allergic asthma	FOXK1	cg01509853	rs17135109	T	C	0.476	0.076	0.025	3.78E-10	0.016	0.095	0.867	0.010	39.202	TRUE	6.30E-10
Non-allergic asthma	FOXK1	cg01509853	rs28476654	T	A	0.903	0.094	0.030	7.36E-22	0.039	0.029	0.175	0.024	92.273	TRUE	1.06E-20
Non-allergic asthma	FOXK1	cg01509853	rs7788807	C	T	0.408	0.070	0.058	4.44E-09	-0.009	0.040	0.818	0.009	34.403	TRUE	7.28E-09
Non-allergic asthma	FOXK1	cg03599658	rs150248176	C	G	-0.641	0.077	0.025	9.33E-17	0.004	0.094	0.967	0.018	69.070	TRUE	2.07E-16
Non-allergic asthma	FOXK1	cg04261496	rs4540325	T	C	-0.181	0.024	0.383	4.53E-14	-0.002	0.017	0.926	0.015	56.892	TRUE	8.95E-14
Non-allergic asthma	FOXK1	cg05117982	rs12701865	G	T	0.147	0.025	0.343	3.54E-09	-0.007	0.018	0.699	0.009	34.843	TRUE	6.54E-09
Non-allergic asthma	FOXK1	cg05117982	rs6973046	G	A	-0.336	0.023	0.487	7.61E-47	0.019	0.016	0.226	0.053	206.480	TRUE	1.93E-44
Non-allergic asthma	FOXK1	cg05117982	rs7788807	C	T	0.416	0.070	0.058	2.52E-09	-0.009	0.040	0.818	0.010	35.506	TRUE	4.19E-09
Non-allergic asthma	FOXK1	cg05764847	rs7793919	T	C	0.355	0.023	0.416	7.99E-54	-0.036	0.017	0.037	0.061	238.460	TRUE	2.74E-50
Non-allergic asthma	FOXK1	cg06287775	rs7781115	A	G	-0.212	0.023	0.424	2.00E-19	-0.024	0.018	0.175	0.021	81.199	TRUE	2.20E-18
Non-allergic asthma	FOXK1	cg06660057	rs111416305	C	T	-0.276	0.042	0.083	4.55E-11	-0.022	0.032	0.501	0.012	43.337	TRUE	1.20E-10
Non-allergic asthma	FOXK1	cg06660057	rs113297525	C	T	-0.393	0.051	0.066	1.93E-14	0.002	0.041	0.954	0.016	58.570	TRUE	3.77E-14
Non-allergic asthma	FOXK1	cg06660057	rs11973119	G	T	-0.555	0.047	0.073	1.32E-32	-0.017	0.033	0.611	0.037	141.323	TRUE	1.97E-31
Non-allergic asthma	FOXK1	cg06660057	rs300538	G	A	-0.154	0.027	0.265	8.61E-09	0.009	0.020	0.638	0.009	33.114	TRUE	1.65E-08
Non-allergic asthma	FOXK1	cg06660057	rs35541996	T	C	-0.498	0.084	0.043	3.23E-09	-0.030	0.030	0.311	0.009	35.019	TRUE	9.41E-09
Non-allergic asthma	FOXK1	cg06660057	rs4540325	T	C	0.161	0.024	0.383	4.17E-11	-0.002	0.017	0.926	0.012	43.509	TRUE	6.92E-11
Non-allergic asthma	FOXK1	cg06660057	rs62452116	A	C	-0.344	0.035	0.126	2.27E-23	-0.039	0.021	0.061	0.026	99.159	TRUE	7.11E-22
Non-allergic asthma	FOXK1	cg06660057	rs79255073	G	A	-0.729	0.116	0.023	3.04E-10	0.121	0.072	0.094	0.011	39.625	TRUE	1.61E-09
Non-allergic asthma	FOXK1	cg06846441	rs3087749	T	G	-0.300	0.023	0.491	5.49E-38	0.018	0.016	0.264	0.043	165.924	TRUE	3.73E-36
Non-allergic asthma	FOXK1	cg07044458	rs4132809	G	A	-0.163	0.024	0.385	1.68E-11	0.000	0.017	0.988	0.012	45.284	TRUE	2.68E-11
Non-allergic asthma	FOXK1	cg09281805	rs10228886	G	A	0.212	0.024	0.486	2.47E-19	0.013	0.016	0.431	0.021	80.781	TRUE	1.46E-18
Non-allergic asthma	FOXK1	cg09281805	rs10271158	G	A	-0.312	0.027	0.248	8.99E-32	-0.040	0.017	0.023	0.036	137.509	TRUE	1.45E-29
Non-allergic asthma	FOXK1	cg09281805	rs112649083	C	G	-0.608	0.110	0.011	3.55E-08	0.117	0.138	0.396	0.008	30.364	TRUE	8.40E-08
Non-allergic asthma	FOXK1	cg09281805	rs12701865	G	T	-1.007	0.018	0.343	<1E-200	-0.007	0.018	0.699	0.455	3086.189	TRUE	<1E-200
Non-allergic asthma	FOXK1	cg09281805	rs28476654	T	A	-0.680	0.095	0.030	6.85E-13	0.039	0.029	0.175	0.014	51.559	TRUE	3.78E-12
Non-allergic asthma	FOXK1	cg09281805	rs4720386	G	T	0.391	0.050	0.115	9.89E-15	0.009	0.026	0.738	0.016	59.886	TRUE	2.55E-14
Non-allergic asthma	FOXK1	cg09281805	rs62450817	G	A	-0.201	0.024	0.382	1.39E-16	0.026	0.016	0.101	0.018	68.286	TRUE	1.50E-15
Non-allergic asthma	FOXK1	cg09281805	rs6463034	C	T	-0.344	0.038	0.132	1.59E-19	0.001	0.027	0.973	0.022	81.645	TRUE	4.22E-19
Non-allergic asthma	FOXK1	cg09281805	rs74766564	G	A	-0.662	0.098	0.014	1.34E-11	-0.089	0.081	0.272	0.012	45.733	TRUE	5.21E-11
Non-allergic asthma	FOXK1	cg09281805	rs76666907	A	G	-0.927	0.061	0.081	6.38E-53	-0.008	0.029	0.775	0.060	234.325	TRUE	7.14E-51
Non-allergic asthma	FOXK1	cg09281805	rs7788807	C	T	-0.589	0.069	0.058	2.15E-17	-0.009	0.040	0.818	0.019	71.966	TRUE	6.04E-17
Non-allergic asthma	FOXK1	cg09395443	rs62452134	A	G	-0.257	0.035	0.127	9.59E-14	-0.039	0.021	0.062	0.015	55.419	TRUE	9.10E-13
Non-allergic asthma	FOXK1	cg09395443	rs79357656	T	A	0.300	0.054	0.049	3.04E-08	-0.043	0.040	0.288	0.008	30.664	TRUE	8.36E-08
Non-allergic asthma	FOXK1	cg09789173	rs62450856	A	G	0.272	0.035	0.128	4.73E-15	-0.039	0.021	0.063	0.016	61.337	TRUE	5.22E-14
Non-allergic asthma	FOXK1	cg09789173	rs6463014	T	C	-0.387	0.028	0.232	5.35E-44	-0.020	0.021	0.338	0.050	193.440	TRUE	6.06E-42
Non-allergic asthma	FOXK1	cg09789173	rs74766197	T	G	-0.331	0.059	0.082	2.03E-08	0.022	0.036	0.529	0.008	31.447	TRUE	4.22E-08

Non-allergic asthma	FOXK1	cg09789173	rs76666907	A	G	0.559	0.062	0.081	1.81E-19	-0.008	0.029	0.775	0.022	81.394	TRUE	6.29E-19
Non-allergic asthma	FOXK1	cg09789173	rs7793918	T	G	-0.830	0.020	0.410	<1E-200	-0.036	0.017	0.037	0.310	1662.875	TRUE	<1E-200
Non-allergic asthma	FOXK1	cg10106935	rs113195187	C	T	-0.509	0.048	0.069	1.71E-26	-0.018	0.033	0.590	0.030	113.400	TRUE	1.46E-25
Non-allergic asthma	FOXK1	cg10106935	rs113297525	C	T	-0.389	0.051	0.066	3.46E-14	0.002	0.041	0.954	0.015	57.421	TRUE	6.66E-14
Non-allergic asthma	FOXK1	cg10106935	rs300538	G	A	-0.188	0.027	0.265	1.59E-12	0.009	0.020	0.638	0.013	49.906	TRUE	3.97E-12
Non-allergic asthma	FOXK1	cg10106935	rs35541996	T	C	-0.464	0.084	0.043	3.45E-08	-0.030	0.030	0.311	0.008	30.417	TRUE	9.13E-08
Non-allergic asthma	FOXK1	cg10106935	rs62452060	A	G	-0.292	0.034	0.129	2.01E-17	-0.039	0.021	0.065	0.019	72.093	TRUE	2.93E-16
Non-allergic asthma	FOXK1	cg10106935	rs62453200	G	C	0.145	0.024	0.391	2.01E-09	-0.005	0.017	0.761	0.010	35.941	TRUE	3.56E-09
Non-allergic asthma	FOXK1	cg10106935	rs79255073	G	A	-0.681	0.116	0.023	4.17E-09	0.121	0.072	0.094	0.009	34.525	TRUE	1.92E-08
Non-allergic asthma	FOXK1	cg10118545	rs7784748	T	C	-0.441	0.023	0.426	3.84E-81	-0.022	0.017	0.201	0.090	363.778	TRUE	3.17E-76
Non-allergic asthma	FOXK1	cg10888348	rs113195187	C	T	-0.329	0.048	0.069	8.39E-12	-0.018	0.033	0.590	0.012	46.647	TRUE	2.10E-11
Non-allergic asthma	FOXK1	cg10888348	rs62452140	T	G	-0.335	0.052	0.049	1.08E-10	-0.001	0.039	0.971	0.011	41.648	TRUE	1.67E-10
Non-allergic asthma	FOXK1	cg10888348	rs76666907	A	G	0.372	0.062	0.081	2.46E-09	-0.008	0.029	0.775	0.010	35.553	TRUE	4.26E-09
Non-allergic asthma	FOXK1	cg10888348	rs7786525	A	C	-0.687	0.030	0.178	5.03E-118	-0.022	0.024	0.347	0.126	533.156	TRUE	5.20E-110
Non-allergic asthma	FOXK1	cg13287553	rs7784748	T	C	-0.472	0.023	0.426	5.93E-94	-0.022	0.017	0.201	0.103	422.593	TRUE	6.40E-88
Non-allergic asthma	FOXK1	cg13312702	rs149855606	A	G	-0.670	0.075	0.024	3.68E-19	-0.046	0.033	0.171	0.021	79.992	TRUE	4.00E-18
Non-allergic asthma	FOXK1	cg14582057	rs12701865	G	T	0.168	0.025	0.343	1.52E-11	-0.007	0.018	0.699	0.012	45.482	TRUE	3.30E-11
Non-allergic asthma	FOXK1	cg14582057	rs6973046	G	A	-0.302	0.023	0.487	4.49E-38	0.019	0.016	0.226	0.043	166.327	TRUE	3.56E-36
Non-allergic asthma	FOXK1	cg15176413	rs12701865	G	T	0.229	0.025	0.343	2.73E-20	-0.007	0.018	0.699	0.022	85.130	TRUE	1.13E-19
Non-allergic asthma	FOXK1	cg15176413	rs6973046	G	A	-0.441	0.023	0.487	5.88E-81	0.019	0.016	0.226	0.089	362.930	TRUE	4.01E-76
Non-allergic asthma	FOXK1	cg15176413	rs7788807	C	T	0.425	0.070	0.058	1.16E-09	-0.009	0.040	0.818	0.010	37.009	TRUE	1.98E-09
Non-allergic asthma	FOXK1	cg18733230	rs7786525	A	C	-0.308	0.031	0.178	5.74E-24	-0.022	0.024	0.347	0.027	101.878	TRUE	6.33E-23
Non-allergic asthma	FOXK1	cg19336198	rs62452150	T	C	-0.264	0.038	0.105	3.61E-12	-0.046	0.021	0.030	0.013	48.301	TRUE	3.60E-11
Non-allergic asthma	FOXK1	cg20349812	rs12701865	G	T	0.186	0.025	0.343	6.77E-14	-0.007	0.018	0.699	0.015	56.105	TRUE	1.73E-13
Non-allergic asthma	FOXK1	cg20349812	rs6973046	G	A	-0.406	0.023	0.487	2.04E-68	0.019	0.016	0.226	0.076	305.380	TRUE	1.45E-64
Non-allergic asthma	FOXK1	cg20349812	rs7788807	C	T	0.462	0.070	0.058	3.48E-11	-0.009	0.040	0.818	0.012	43.865	TRUE	6.47E-11
Non-allergic asthma	FOXK1	cg22753962	rs111416305	C	T	-0.246	0.042	0.083	4.72E-09	-0.022	0.032	0.501	0.009	34.284	TRUE	1.06E-08
Non-allergic asthma	FOXK1	cg22753962	rs113297525	C	T	-0.348	0.051	0.066	1.35E-11	0.002	0.041	0.954	0.012	45.719	TRUE	2.23E-11
Non-allergic asthma	FOXK1	cg22753962	rs11973119	G	T	-0.513	0.047	0.073	5.44E-28	-0.017	0.033	0.611	0.031	120.236	TRUE	5.16E-27
Non-allergic asthma	FOXK1	cg22753962	rs13232425	T	C	-0.129	0.024	0.486	4.31E-08	0.021	0.016	0.195	0.008	29.988	TRUE	1.36E-07
Non-allergic asthma	FOXK1	cg22753962	rs300538	G	A	-0.188	0.027	0.265	2.02E-12	0.009	0.020	0.638	0.013	49.439	TRUE	4.99E-12
Non-allergic asthma	FOXK1	cg22753962	rs35541996	T	C	-0.629	0.084	0.043	6.01E-14	-0.030	0.030	0.311	0.015	56.337	TRUE	2.72E-13
Non-allergic asthma	FOXK1	cg22753962	rs59864860	A	T	-0.347	0.034	0.135	3.47E-24	-0.039	0.021	0.062	0.027	102.878	TRUE	1.20E-22
Non-allergic asthma	FOXK1	cg23318967	rs6968957	G	A	-0.230	0.024	0.387	4.44E-22	-0.006	0.017	0.732	0.025	93.275	TRUE	2.02E-21
Non-allergic asthma	FOXK1	cg23871697	rs12701943	C	T	0.252	0.040	0.096	4.86E-10	-0.038	0.035	0.283	0.010	38.711	TRUE	1.60E-09
Non-allergic asthma	FOXK1	cg23871697	rs3763381	T	C	0.159	0.023	0.495	1.22E-11	-0.016	0.016	0.314	0.012	45.908	TRUE	4.44E-11
Non-allergic asthma	FOXK1	cg26800803	rs12701865	G	T	0.193	0.025	0.343	6.31E-15	-0.007	0.018	0.699	0.016	60.770	TRUE	1.74E-14
Non-allergic asthma	FOXK1	cg26800803	rs6973046	G	A	-0.379	0.023	0.487	1.31E-59	0.019	0.016	0.226	0.067	264.990	TRUE	2.19E-56
Non-allergic asthma	FOXK2	cg01122847	rs149143300	T	C	-0.819	0.089	0.017	2.24E-20	-0.069	0.051	0.173	0.023	85.523	TRUE	2.76E-19
Non-allergic asthma	FOXK2	cg01122847	rs62079679	T	C	-0.550	0.058	0.045	5.50E-21	-0.027	0.052	0.607	0.023	88.298	TRUE	2.79E-20
Non-allergic asthma	FOXK2	cg01483119	rs11869798	C	A	0.169	0.026	0.281	1.64E-10	0.000	0.017	0.980	0.011	40.829	TRUE	2.50E-10
Non-allergic asthma	FOXK2	cg01483119	rs149143300	T	C	-0.783	0.089	0.017	1.51E-18	-0.069	0.051	0.173	0.020	77.199	TRUE	1.53E-17

Non-allergic asthma	FOXK2	cg01483119	rs3752822	G	C	-0.285	0.030	0.178	8.25E-21	0.002	0.022	0.927	0.023	87.495	TRUE	2.55E-20
Non-allergic asthma	FOXK2	cg01483119	rs3794713	C	T	0.282	0.031	0.165	8.72E-20	-0.012	0.018	0.523	0.022	82.834	TRUE	4.58E-19
Non-allergic asthma	FOXK2	cg01483119	rs75794119	A	G	-0.482	0.058	0.044	5.86E-17	-0.009	0.046	0.839	0.019	69.987	TRUE	1.55E-16
Non-allergic asthma	FOXK2	cg01483119	rs77037677	A	G	-0.670	0.050	0.055	4.19E-41	-0.038	0.041	0.356	0.046	180.193	TRUE	3.09E-39
Non-allergic asthma	FOXK2	cg01483119	rs78077159	G	C	-0.339	0.052	0.052	6.23E-11	-0.003	0.050	0.959	0.011	42.723	TRUE	9.90E-11
Non-allergic asthma	FOXK2	cg02094337	rs12452440	T	C	0.174	0.024	0.430	1.45E-13	-0.035	0.016	0.027	0.015	54.603	TRUE	1.82E-12
Non-allergic asthma	FOXK2	cg02094337	rs4789705	C	G	0.209	0.036	0.127	3.91E-09	0.011	0.026	0.673	0.009	34.649	TRUE	7.39E-09
Non-allergic asthma	FOXK2	cg02116768	rs72852022	T	C	-0.207	0.030	0.203	2.65E-12	0.000	0.018	0.982	0.013	48.908	TRUE	4.43E-12
Non-allergic asthma	FOXK2	cg02796939	rs753569	T	G	-0.351	0.029	0.210	1.59E-33	0.000	0.018	0.982	0.038	145.514	TRUE	1.30E-32
Non-allergic asthma	FOXK2	cg02796939	rs78165269	C	G	0.215	0.025	0.304	2.15E-17	-0.013	0.018	0.463	0.019	71.965	TRUE	1.01E-16
Non-allergic asthma	FOXK2	cg03238119	rs4789817	G	A	0.151	0.025	0.355	6.63E-10	0.004	0.016	0.811	0.010	38.107	TRUE	1.15E-09
Non-allergic asthma	FOXK2	cg03238119	rs79150306	T	A	-0.275	0.050	0.055	4.40E-08	-0.038	0.041	0.356	0.008	29.950	TRUE	1.08E-07
Non-allergic asthma	FOXK2	cg04381393	rs113425960	T	G	-2.006	0.162	0.013	3.69E-35	0.051	0.046	0.263	0.040	152.993	TRUE	1.78E-33
Non-allergic asthma	FOXK2	cg04381393	rs117895336	A	G	-0.386	0.061	0.042	3.31E-10	-0.041	0.066	0.540	0.011	39.460	TRUE	7.80E-10
Non-allergic asthma	FOXK2	cg04800768	rs1387545	T	C	-0.322	0.032	0.389	3.20E-23	0.007	0.016	0.656	0.026	98.479	TRUE	1.81E-22
Non-allergic asthma	FOXK2	cg04800768	rs17885612	G	C	-0.142	0.025	0.289	2.45E-08	-0.008	0.018	0.636	0.008	31.086	TRUE	4.54E-08
Non-allergic asthma	FOXK2	cg05331763	rs112974026	A	G	0.336	0.032	0.151	2.61E-26	0.020	0.023	0.399	0.030	112.564	TRUE	3.23E-25
Non-allergic asthma	FOXK2	cg05331763	rs11652501	G	C	0.479	0.024	0.362	1.52E-91	-0.036	0.016	0.024	0.100	411.535	TRUE	9.99E-85
Non-allergic asthma	FOXK2	cg05331763	rs117542937	T	C	-0.476	0.074	0.024	1.01E-10	-0.055	0.055	0.316	0.011	41.782	TRUE	3.35E-10
Non-allergic asthma	FOXK2	cg05331763	rs144288267	C	T	-0.364	0.053	0.046	5.04E-12	0.002	0.041	0.967	0.013	47.647	TRUE	8.43E-12
Non-allergic asthma	FOXK2	cg05331763	rs4789817	G	A	-0.191	0.024	0.355	5.97E-15	0.004	0.016	0.811	0.016	60.880	TRUE	1.43E-14
Non-allergic asthma	FOXK2	cg05331763	rs73371707	A	G	0.404	0.072	0.061	1.70E-08	0.022	0.042	0.601	0.009	31.797	TRUE	3.29E-08
Non-allergic asthma	FOXK2	cg05331763	rs9905533	T	C	-1.113	0.036	0.108	1.23E-215	-0.012	0.029	0.688	0.210	981.827	TRUE	2.42E-195
Non-allergic asthma	FOXK2	cg05331763	rs9911222	T	C	-1.115	0.025	0.173	<1E-200	-0.009	0.021	0.658	0.353	2017.296	TRUE	<1E-200
Non-allergic asthma	FOXK2	cg05578865	rs116857425	T	C	0.481	0.081	0.020	2.48E-09	0.140	0.095	0.139	0.010	35.537	TRUE	1.02E-08
Non-allergic asthma	FOXK2	cg05578865	rs117252262	T	C	-0.546	0.087	0.020	3.20E-10	0.091	0.055	0.097	0.011	39.528	TRUE	1.67E-09
Non-allergic asthma	FOXK2	cg05578865	rs12150524	A	G	-0.331	0.051	0.054	5.86E-11	-0.019	0.042	0.641	0.011	42.845	TRUE	1.30E-10
Non-allergic asthma	FOXK2	cg05578865	rs12936476	T	C	-0.178	0.024	0.476	5.67E-14	0.001	0.016	0.941	0.015	56.451	TRUE	1.09E-13
Non-allergic asthma	FOXK2	cg05578865	rs12948621	C	A	-0.238	0.024	0.379	5.16E-23	0.016	0.016	0.306	0.026	97.533	TRUE	5.71E-22
Non-allergic asthma	FOXK2	cg05578865	rs148600435	A	G	-0.548	0.091	0.017	1.48E-09	-0.031	0.042	0.463	0.010	36.544	TRUE	3.62E-09
Non-allergic asthma	FOXK2	cg05578865	rs186634489	A	G	-0.400	0.029	0.182	6.97E-42	0.007	0.019	0.709	0.047	183.756	TRUE	2.33E-40
Non-allergic asthma	FOXK2	cg05578865	rs34509144	A	T	-0.372	0.060	0.045	5.93E-10	0.031	0.038	0.418	0.010	38.323	TRUE	1.59E-09
Non-allergic asthma	FOXK2	cg05578865	rs3794713	C	T	-0.665	0.030	0.165	7.11E-108	-0.012	0.018	0.523	0.116	486.529	TRUE	3.12E-101
Non-allergic asthma	FOXK2	cg05578865	rs60966564	A	G	0.521	0.029	0.212	1.02E-73	0.001	0.021	0.954	0.082	329.710	TRUE	1.53E-70
Non-allergic asthma	FOXK2	cg05578865	rs73357180	C	T	0.382	0.034	0.134	1.22E-28	0.013	0.027	0.619	0.032	123.199	TRUE	1.21E-27
Non-allergic asthma	FOXK2	cg05578865	rs74001784	T	C	0.289	0.053	0.050	3.84E-08	-0.032	0.030	0.273	0.008	30.211	TRUE	1.07E-07
Non-allergic asthma	FOXK2	cg05578865	rs77256703	G	A	-0.777	0.020	0.441	<1E-200	-0.014	0.016	0.389	0.285	1474.022	TRUE	2.86E-281
Non-allergic asthma	FOXK2	cg05578865	rs79233685	T	G	0.207	0.036	0.115	8.04E-09	-0.023	0.029	0.422	0.009	33.248	TRUE	1.95E-08
Non-allergic asthma	FOXK2	cg05578865	rs8067360	C	T	0.203	0.024	0.455	1.01E-17	-0.014	0.016	0.386	0.019	73.446	TRUE	5.64E-17
Non-allergic asthma	FOXK2	cg05578865	rs8069795	C	A	-0.150	0.027	0.261	1.98E-08	-0.018	0.019	0.339	0.008	31.497	TRUE	5.15E-08
Non-allergic asthma	FOXK2	cg05578865	rs8074423	T	C	0.140	0.025	0.343	1.43E-08	0.020	0.017	0.221	0.009	32.134	TRUE	4.51E-08
Non-allergic asthma	FOXK2	cg05578865	rs9891087	A	G	0.429	0.049	0.061	2.78E-18	0.023	0.040	0.565	0.020	76.001	TRUE	1.20E-17

Non-allergic asthma	FOXK2	cg05580415	rs11654159	T	C	-0.209	0.032	0.162	6.30E-11	0.014	0.021	0.490	0.011	42.702	TRUE	1.67E-10
Non-allergic asthma	FOXK2	cg05580415	rs117039631	T	C	-0.544	0.086	0.019	2.65E-10	0.002	0.062	0.975	0.011	39.894	TRUE	4.01E-10
Non-allergic asthma	FOXK2	cg05580415	rs117477450	G	C	-0.431	0.079	0.025	4.60E-08	-0.039	0.045	0.376	0.008	29.862	TRUE	1.10E-07
Non-allergic asthma	FOXK2	cg05580415	rs12150313	G	T	-0.288	0.050	0.055	1.10E-08	-0.019	0.042	0.642	0.009	32.633	TRUE	2.09E-08
Non-allergic asthma	FOXK2	cg05580415	rs12948621	C	A	-0.299	0.024	0.379	7.10E-36	0.016	0.016	0.306	0.041	156.266	TRUE	3.24E-34
Non-allergic asthma	FOXK2	cg05580415	rs148600435	A	G	-0.520	0.091	0.017	9.68E-09	-0.031	0.042	0.463	0.009	32.887	TRUE	2.22E-08
Non-allergic asthma	FOXK2	cg05580415	rs186634489	A	G	-0.341	0.030	0.182	7.04E-31	0.007	0.019	0.709	0.035	133.424	TRUE	7.34E-30
Non-allergic asthma	FOXK2	cg05580415	rs2279393	G	A	0.406	0.033	0.155	1.30E-35	-0.001	0.024	0.962	0.040	155.057	TRUE	1.35E-34
Non-allergic asthma	FOXK2	cg05580415	rs2635417	A	C	-0.205	0.023	0.498	2.20E-18	-0.014	0.016	0.384	0.020	76.460	TRUE	1.31E-17
Non-allergic asthma	FOXK2	cg05580415	rs376385266	A	G	-0.190	0.027	0.243	2.79E-12	-0.025	0.019	0.193	0.013	48.803	TRUE	1.38E-11
Non-allergic asthma	FOXK2	cg05580415	rs3794713	C	T	-0.641	0.030	0.165	5.73E-100	-0.012	0.018	0.523	0.109	450.214	TRUE	4.52E-94
Non-allergic asthma	FOXK2	cg05580415	rs60966564	A	G	0.275	0.029	0.212	4.61E-21	0.001	0.021	0.954	0.023	88.646	TRUE	1.40E-20
Non-allergic asthma	FOXK2	cg05580415	rs62079682	A	G	-0.330	0.060	0.045	3.64E-08	0.031	0.038	0.416	0.008	30.316	TRUE	8.40E-08
Non-allergic asthma	FOXK2	cg05580415	rs7217917	T	C	-0.142	0.024	0.472	2.09E-09	-0.002	0.016	0.897	0.010	35.867	TRUE	3.25E-09
Non-allergic asthma	FOXK2	cg05580415	rs7406537	A	G	0.170	0.024	0.440	4.56E-13	-0.005	0.016	0.736	0.014	52.356	TRUE	1.05E-12
Non-allergic asthma	FOXK2	cg05580415	rs77256703	G	A	-0.762	0.020	0.441	<1E-200	-0.014	0.016	0.389	0.278	1427.753	TRUE	2.28E-273
Non-allergic asthma	FOXK2	cg05580415	rs79989195	T	C	0.430	0.057	0.036	7.32E-14	-0.013	0.046	0.771	0.015	55.949	TRUE	1.71E-13
Non-allergic asthma	FOXK2	cg05580415	rs9891087	A	G	0.337	0.049	0.061	7.85E-12	0.023	0.040	0.565	0.012	46.778	TRUE	2.03E-11
Non-allergic asthma	FOXK2	cg05580415	rs9916861	T	C	0.166	0.030	0.208	2.06E-08	-0.005	0.018	0.780	0.008	31.418	TRUE	3.37E-08
Non-allergic asthma	FOXK2	cg07539709	rs72852022	T	C	-0.293	0.029	0.203	2.27E-23	0.000	0.018	0.982	0.026	99.162	TRUE	7.82E-23
Non-allergic asthma	FOXK2	cg07539709	rs78165269	C	G	0.189	0.025	0.304	6.74E-14	-0.013	0.018	0.463	0.015	56.113	TRUE	2.36E-13
Non-allergic asthma	FOXK2	cg08848988	rs3794713	C	T	-0.399	0.031	0.165	1.47E-38	-0.012	0.018	0.523	0.044	168.542	TRUE	5.11E-37
Non-allergic asthma	FOXK2	cg10255544	rs3829565	G	C	-0.674	0.038	0.101	4.97E-69	0.002	0.023	0.938	0.077	308.195	TRUE	3.71E-66
Non-allergic asthma	FOXK2	cg10255544	rs6502119	C	T	0.252	0.024	0.367	1.45E-25	-0.025	0.016	0.117	0.029	109.171	TRUE	4.10E-24
Non-allergic asthma	FOXK2	cg10460657	rs8074559	G	A	0.296	0.048	0.150	9.51E-10	0.020	0.021	0.356	0.010	37.402	TRUE	2.72E-09
Non-allergic asthma	FOXK2	cg10460657	rs9788998	G	A	0.266	0.023	0.463	7.54E-30	0.003	0.016	0.833	0.034	128.719	TRUE	5.71E-29
Non-allergic asthma	FOXK2	cg11779900	rs118072068	T	A	-0.548	0.087	0.022	3.03E-10	-0.044	0.087	0.608	0.011	39.635	TRUE	6.62E-10
Non-allergic asthma	FOXK2	cg11779900	rs146599866	T	C	-0.930	0.024	0.242	<1E-200	0.018	0.020	0.361	0.286	1484.276	TRUE	6.47E-283
Non-allergic asthma	FOXK2	cg11779900	rs4789820	C	A	-0.157	0.027	0.255	8.57E-09	0.022	0.018	0.219	0.009	33.123	TRUE	2.79E-08
Non-allergic asthma	FOXK2	cg11779900	rs62078078	T	C	0.309	0.028	0.228	2.99E-29	0.022	0.019	0.239	0.033	125.988	TRUE	7.85E-28
Non-allergic asthma	FOXK2	cg11779900	rs79589817	T	C	-0.210	0.038	0.134	2.48E-08	0.032	0.023	0.164	0.008	31.058	TRUE	8.58E-08
Non-allergic asthma	FOXK2	cg11779900	rs9911222	T	C	0.219	0.031	0.173	1.60E-12	-0.009	0.021	0.658	0.013	49.893	TRUE	3.89E-12
Non-allergic asthma	FOXK2	cg11779900	rs9916019	C	A	0.305	0.038	0.107	8.33E-16	-0.011	0.028	0.690	0.017	64.755	TRUE	2.47E-15
Non-allergic asthma	FOXK2	cg14173033	rs140709442	A	G	-0.644	0.114	0.013	1.46E-08	0.142	0.106	0.180	0.009	32.084	TRUE	5.01E-08
Non-allergic asthma	FOXK2	cg14173033	rs72852022	T	C	-0.256	0.030	0.203	4.39E-18	0.000	0.018	0.982	0.020	75.096	TRUE	1.04E-17
Non-allergic asthma	FOXK2	cg14173033	rs78165269	C	G	0.156	0.025	0.304	7.22E-10	-0.013	0.018	0.463	0.010	37.940	TRUE	1.81E-09
Non-allergic asthma	FOXK2	cg14587273	rs1007494	A	G	-0.145	0.025	0.323	3.84E-09	-0.028	0.016	0.095	0.009	34.684	TRUE	1.77E-08
Non-allergic asthma	FOXK2	cg14587273	rs11656597	A	G	-0.182	0.028	0.221	1.24E-10	-0.002	0.018	0.929	0.011	41.372	TRUE	2.00E-10
Non-allergic asthma	FOXK2	cg14587273	rs28708773	T	G	-1.583	0.065	0.034	8.30E-130	-0.010	0.066	0.880	0.137	587.291	TRUE	1.73E-121
Non-allergic asthma	FOXK2	cg14587273	rs56080345	T	A	-0.270	0.028	0.241	1.29E-22	-0.003	0.018	0.860	0.025	95.711	TRUE	5.07E-22
Non-allergic asthma	FOXK2	cg14587273	rs71376548	T	C	-0.454	0.053	0.051	8.41E-18	0.000	0.054	0.993	0.020	73.815	TRUE	1.93E-17
Non-allergic asthma	FOXK2	cg14674306	rs12950772	G	A	0.319	0.026	0.269	2.92E-34	0.003	0.018	0.873	0.039	148.883	TRUE	3.12E-33

Non-allergic asthma	FOXK2	cg14674306	rs201699120	A	T	-0.187	0.030	0.204	3.47E-10	-0.001	0.018	0.970	0.011	39.369	TRUE	5.24E-10
Non-allergic asthma	FOXK2	cg15292356	rs111946258	G	A	0.269	0.030	0.196	1.09E-19	0.024	0.018	0.189	0.022	82.402	TRUE	1.18E-18
Non-allergic asthma	FOXK2	cg15292356	rs11651812	A	G	-0.675	0.023	0.338	1.93E-181	0.002	0.018	0.914	0.182	824.607	TRUE	9.62E-167
Non-allergic asthma	FOXK2	cg15292356	rs117959151	G	A	-0.878	0.129	0.018	1.17E-11	0.105	0.066	0.114	0.012	45.997	TRUE	6.79E-11
Non-allergic asthma	FOXK2	cg15292356	rs118100209	A	G	-0.414	0.061	0.044	1.46E-11	-0.001	0.033	0.971	0.012	45.559	TRUE	2.38E-11
Non-allergic asthma	FOXK2	cg15292356	rs2279394	A	G	-0.276	0.026	0.275	1.61E-26	-0.027	0.017	0.104	0.030	113.515	TRUE	5.52E-25
Non-allergic asthma	FOXK2	cg15292356	rs3752822	G	C	0.297	0.030	0.178	1.34E-22	0.002	0.022	0.927	0.025	95.641	TRUE	4.75E-22
Non-allergic asthma	FOXK2	cg15292356	rs62079722	A	C	-0.209	0.030	0.188	7.28E-12	-0.004	0.024	0.873	0.013	46.925	TRUE	1.33E-11
Non-allergic asthma	FOXK2	cg15292356	rs630945	G	A	0.219	0.024	0.449	4.03E-20	-0.002	0.016	0.905	0.022	84.360	TRUE	1.22E-19
Non-allergic asthma	FOXK2	cg15292356	rs79989195	T	C	-0.355	0.058	0.036	7.08E-10	-0.013	0.046	0.771	0.010	37.979	TRUE	1.27E-09
Non-allergic asthma	FOXK2	cg15292356	rs8082615	G	C	0.239	0.029	0.192	4.43E-16	-0.008	0.018	0.645	0.018	66.001	TRUE	1.42E-15
Non-allergic asthma	FOXK2	cg15292356	rs9890099	T	G	-0.185	0.028	0.235	6.92E-11	-0.005	0.018	0.774	0.011	42.517	TRUE	1.33E-10
Non-allergic asthma	FOXK2	cg15349696	rs72852022	T	C	-0.291	0.029	0.203	5.09E-23	0.000	0.018	0.982	0.026	97.558	TRUE	1.71E-22
Non-allergic asthma	FOXK2	cg15349696	rs78165269	C	G	0.175	0.025	0.304	5.37E-12	-0.013	0.018	0.463	0.013	47.520	TRUE	1.61E-11
Non-allergic asthma	FOXK2	cg16375265	rs11650031	T	C	-0.199	0.036	0.109	2.94E-08	-0.012	0.022	0.600	0.008	30.728	TRUE	5.63E-08
Non-allergic asthma	FOXK2	cg16375265	rs117252262	T	C	-0.545	0.087	0.020	3.36E-10	0.091	0.055	0.097	0.011	39.432	TRUE	1.75E-09
Non-allergic asthma	FOXK2	cg16375265	rs12936476	T	C	-0.143	0.024	0.476	1.45E-09	0.001	0.016	0.941	0.010	36.580	TRUE	2.18E-09
Non-allergic asthma	FOXK2	cg16375265	rs12948621	C	A	-0.223	0.024	0.379	1.73E-20	0.016	0.016	0.306	0.023	86.027	TRUE	1.49E-19
Non-allergic asthma	FOXK2	cg16375265	rs186634489	A	G	-0.262	0.030	0.182	1.19E-18	0.007	0.019	0.709	0.021	77.674	TRUE	4.27E-18
Non-allergic asthma	FOXK2	cg16375265	rs2279393	G	A	0.240	0.033	0.155	2.50E-13	-0.001	0.024	0.962	0.014	53.534	TRUE	4.54E-13
Non-allergic asthma	FOXK2	cg16375265	rs2635417	A	C	-0.176	0.023	0.498	6.52E-14	-0.014	0.016	0.384	0.015	56.177	TRUE	2.58E-13
Non-allergic asthma	FOXK2	cg16375265	rs3794713	C	T	-0.606	0.030	0.165	4.92E-89	-0.012	0.018	0.523	0.098	400.006	TRUE	4.24E-84
Non-allergic asthma	FOXK2	cg16375265	rs60966564	A	G	0.305	0.029	0.212	1.25E-25	0.001	0.021	0.954	0.029	109.460	TRUE	5.37E-25
Non-allergic asthma	FOXK2	cg16375265	rs72851958	C	A	-0.154	0.027	0.242	1.45E-08	-0.020	0.020	0.316	0.009	32.102	TRUE	3.94E-08
Non-allergic asthma	FOXK2	cg16375265	rs77256703	G	A	-0.556	0.023	0.441	1.66E-133	-0.014	0.016	0.389	0.140	604.292	TRUE	6.83E-124
Non-allergic asthma	FOXK2	cg16375265	rs9891087	A	G	0.286	0.049	0.061	6.36E-09	0.023	0.040	0.565	0.009	33.704	TRUE	1.32E-08
Non-allergic asthma	FOXK2	cg16755922	rs72859192	C	T	-0.321	0.023	0.471	1.29E-43	0.027	0.016	0.092	0.049	191.694	TRUE	4.58E-41
Non-allergic asthma	FOXK2	cg16755922	rs80014614	A	G	0.449	0.050	0.060	2.49E-19	-0.017	0.035	0.634	0.021	80.761	TRUE	1.06E-18
Non-allergic asthma	FOXK2	cg16755922	rs878823	T	C	0.512	0.028	0.211	5.72E-73	-0.004	0.019	0.834	0.081	326.268	TRUE	1.06E-69
Non-allergic asthma	FOXK2	cg16755922	rs9911520	T	C	0.393	0.071	0.063	3.62E-08	-0.047	0.031	0.136	0.008	30.326	TRUE	1.31E-07
Non-allergic asthma	FOXK2	cg18128058	rs142226247	A	G	0.369	0.057	0.046	1.23E-10	-0.002	0.033	0.963	0.011	41.391	TRUE	1.92E-10
Non-allergic asthma	FOXK2	cg18128058	rs4789807	T	C	-0.322	0.030	0.200	2.00E-27	0.003	0.018	0.872	0.031	117.657	TRUE	1.14E-26
Non-allergic asthma	FOXK2	cg18128058	rs78165269	C	G	0.216	0.025	0.304	1.79E-17	-0.013	0.018	0.463	0.019	72.322	TRUE	8.51E-17
Non-allergic asthma	FOXK2	cg20173014	rs12452440	T	C	0.261	0.023	0.430	8.92E-29	-0.035	0.016	0.027	0.032	123.820	TRUE	8.65E-27
Non-allergic asthma	FOXK2	cg20710824	rs11869798	C	A	-0.215	0.026	0.281	1.23E-16	0.000	0.017	0.980	0.018	68.522	TRUE	2.67E-16
Non-allergic asthma	FOXK2	cg20710824	rs180743348	T	C	-0.167	0.029	0.182	1.45E-08	0.013	0.019	0.479	0.009	32.101	TRUE	3.22E-08
Non-allergic asthma	FOXK2	cg20710824	rs8074559	G	A	0.297	0.048	0.150	8.48E-10	0.020	0.021	0.356	0.010	37.626	TRUE	2.44E-09
Non-allergic asthma	FOXK2	cg20710824	rs9788998	G	A	0.290	0.023	0.463	2.69E-36	0.003	0.016	0.833	0.041	158.193	TRUE	3.80E-35
Non-allergic asthma	FOXK2	cg21093005	rs113987209	T	C	0.339	0.038	0.286	2.32E-19	-0.029	0.017	0.080	0.021	80.898	TRUE	3.88E-18
Non-allergic asthma	FOXK2	cg21093005	rs4789803	T	C	-0.284	0.046	0.181	5.78E-10	-0.010	0.021	0.648	0.010	38.373	TRUE	1.19E-09
Non-allergic asthma	FOXK2	cg21093005	rs56075787	T	C	-0.172	0.028	0.235	7.48E-10	0.022	0.020	0.274	0.010	37.872	TRUE	2.45E-09
Non-allergic asthma	FOXK2	cg21909206	rs3794713	C	T	-0.198	0.030	0.165	8.59E-11	-0.012	0.018	0.523	0.011	42.095	TRUE	2.16E-10

Non-allergic asthma	FOXK2	cg22582875	rs8076310	T	C	-0.267	0.029	0.209	3.12E-20	-0.001	0.018	0.936	0.022	84.866	TRUE	9.14E-20
Non-allergic asthma	FOXK2	cg23628350	rs118027829	T	C	0.481	0.066	0.037	2.14E-13	-0.040	0.059	0.501	0.014	53.847	TRUE	6.79E-13
Non-allergic asthma	FOXK2	cg23628350	rs144288267	C	T	-0.341	0.053	0.046	9.81E-11	0.002	0.041	0.967	0.011	41.837	TRUE	1.53E-10
Non-allergic asthma	FOXK2	cg23628350	rs186634489	A	G	-0.181	0.030	0.182	1.19E-09	0.007	0.019	0.709	0.010	36.967	TRUE	2.24E-09
Non-allergic asthma	FOXK2	cg23628350	rs2085615	C	G	0.199	0.025	0.363	6.32E-16	-0.013	0.016	0.419	0.017	65.299	TRUE	2.82E-15
Non-allergic asthma	FOXK2	cg23628350	rs2246563	T	C	0.164	0.024	0.412	6.53E-12	-0.001	0.016	0.931	0.013	47.137	TRUE	1.13E-11
Non-allergic asthma	FOXK2	cg23628350	rs60966564	A	G	0.975	0.025	0.212	<1E-200	0.001	0.021	0.954	0.289	1500.648	TRUE	2.50E-287
Non-allergic asthma	FOXK2	cg23628350	rs62079673	T	C	0.556	0.023	0.417	9.03E-128	0.002	0.016	0.885	0.135	577.933	TRUE	1.11E-119
Non-allergic asthma	FOXK2	cg23628350	rs66693031	A	G	0.546	0.055	0.049	1.40E-23	0.029	0.047	0.544	0.026	100.120	TRUE	9.92E-23
Non-allergic asthma	FOXK2	cg23628350	rs744991	G	C	-0.350	0.025	0.289	6.32E-43	-0.026	0.017	0.116	0.048	188.533	TRUE	1.70E-40
Non-allergic asthma	FOXK2	cg23628350	rs74705920	A	G	0.527	0.053	0.050	2.51E-23	0.016	0.046	0.737	0.026	98.956	TRUE	1.26E-22
Non-allergic asthma	FOXK2	cg23628350	rs77256703	G	A	-0.259	0.023	0.441	1.90E-28	-0.014	0.016	0.389	0.032	122.325	TRUE	3.00E-27
Non-allergic asthma	FOXK2	cg23628350	rs9303032	G	A	0.137	0.024	0.440	6.93E-09	0.020	0.016	0.214	0.009	33.537	TRUE	2.30E-08
Non-allergic asthma	FOXK2	cg23628350	rs9893830	T	A	0.487	0.044	0.215	4.61E-29	0.012	0.019	0.524	0.033	125.127	TRUE	5.77E-28
Non-allergic asthma	FOXK2	cg23674202	rs113987209	T	C	0.318	0.038	0.286	3.11E-17	-0.029	0.017	0.080	0.019	71.235	TRUE	4.03E-16
Non-allergic asthma	FOXK2	cg23674202	rs118072068	T	A	0.479	0.087	0.022	3.67E-08	-0.044	0.087	0.608	0.008	30.299	TRUE	6.91E-08
Non-allergic asthma	FOXK2	cg23674202	rs142507840	G	C	0.401	0.048	0.062	1.22E-16	0.000	0.040	0.992	0.018	68.540	TRUE	2.61E-16
Non-allergic asthma	FOXK2	cg23674202	rs35083592	A	G	0.157	0.026	0.279	2.33E-09	0.003	0.018	0.877	0.010	35.661	TRUE	3.67E-09
Non-allergic asthma	FOXK2	cg23674202	rs4789803	T	C	-0.421	0.045	0.181	2.24E-20	-0.010	0.021	0.648	0.023	85.519	TRUE	1.01E-19
Non-allergic asthma	FOXK2	cg23674202	rs8067257	A	G	-0.192	0.030	0.205	8.03E-11	-0.004	0.018	0.831	0.011	42.228	TRUE	1.44E-10
Non-allergic asthma	FOXK2	cg23765707	rs12600791	G	T	-0.315	0.051	0.055	4.56E-10	-0.031	0.041	0.456	0.010	38.835	TRUE	1.18E-09
Non-allergic asthma	FOXK2	cg23765707	rs144288267	C	T	-0.303	0.053	0.046	9.25E-09	0.002	0.041	0.967	0.009	32.974	TRUE	1.30E-08
Non-allergic asthma	FOXK2	cg23765707	rs149143300	T	C	-0.509	0.089	0.017	1.14E-08	-0.069	0.051	0.173	0.009	32.576	TRUE	4.00E-08
Non-allergic asthma	FOXK2	cg23765707	rs7220002	C	A	0.347	0.032	0.166	3.16E-28	0.011	0.023	0.634	0.032	121.312	TRUE	2.93E-27
Non-allergic asthma	FOXK2	cg24220178	rs113987209	T	C	0.484	0.037	0.286	8.75E-39	-0.029	0.017	0.080	0.044	169.576	TRUE	1.74E-36
Non-allergic asthma	FOXK2	cg24220178	rs4789803	T	C	-0.461	0.045	0.181	3.01E-24	-0.010	0.021	0.648	0.027	103.157	TRUE	1.89E-23
Non-allergic asthma	FOXK2	cg24220178	rs56075787	T	C	-0.181	0.028	0.235	9.00E-11	0.022	0.020	0.274	0.011	42.005	TRUE	3.22E-10
Non-allergic asthma	FOXK2	cg24537348	rs9271	A	G	-0.268	0.029	0.209	3.00E-20	0.001	0.018	0.963	0.022	84.946	TRUE	8.47E-20
Non-allergic asthma	FOXK2	cg24770256	rs3736207	C	T	-0.244	0.039	0.102	3.94E-10	0.004	0.023	0.856	0.010	39.123	TRUE	6.62E-10
Non-allergic asthma	FOXK2	cg24793584	rs78165269	C	G	-0.153	0.025	0.304	8.92E-10	-0.013	0.018	0.463	0.010	37.528	TRUE	2.22E-09
Non-allergic asthma	FOXK2	cg25009498	rs118027829	T	C	0.519	0.066	0.037	2.37E-15	-0.040	0.059	0.501	0.017	62.697	TRUE	8.85E-15
Non-allergic asthma	FOXK2	cg25009498	rs144288267	C	T	-0.359	0.053	0.046	1.02E-11	0.002	0.041	0.967	0.012	46.263	TRUE	1.68E-11
Non-allergic asthma	FOXK2	cg25009498	rs1870370	G	C	0.218	0.033	0.163	3.50E-11	-0.007	0.021	0.748	0.012	43.849	TRUE	7.03E-11
Non-allergic asthma	FOXK2	cg25009498	rs2451198	G	A	0.302	0.028	0.244	9.86E-28	0.012	0.019	0.529	0.031	119.055	TRUE	1.07E-26
Non-allergic asthma	FOXK2	cg25009498	rs60966564	A	G	1.001	0.025	0.212	<1E-200	0.001	0.021	0.954	0.304	1619.313	TRUE	2.33E-307
Non-allergic asthma	FOXK2	cg25009498	rs62079673	T	C	0.598	0.023	0.417	2.79E-149	0.002	0.016	0.885	0.155	676.780	TRUE	9.82E-139
Non-allergic asthma	FOXK2	cg25009498	rs72853019	A	G	1.036	0.104	0.027	1.81E-23	0.033	0.051	0.515	0.026	99.603	TRUE	1.34E-22
Non-allergic asthma	FOXK2	cg25009498	rs744991	G	C	-0.370	0.025	0.289	5.86E-48	-0.026	0.017	0.116	0.054	211.582	TRUE	3.24E-45
Non-allergic asthma	FOXK2	cg25009498	rs74705920	A	G	0.530	0.053	0.050	1.64E-23	0.016	0.046	0.737	0.026	99.799	TRUE	8.37E-23
Non-allergic asthma	FOXK2	cg25009498	rs77256703	G	A	-0.229	0.023	0.441	1.45E-22	-0.014	0.016	0.389	0.025	95.481	TRUE	1.27E-21
Non-allergic asthma	FOXK2	cg25009498	rs78483419	C	T	-0.188	0.031	0.179	1.26E-09	0.014	0.019	0.461	0.010	36.860	TRUE	3.10E-09
Non-allergic asthma	FOXK2	cg25009498	rs9893830	T	A	0.480	0.044	0.215	2.89E-28	0.012	0.019	0.524	0.032	121.487	TRUE	3.34E-27

Non-allergic asthma	FOXK2	cg26176014	rs140737552	T	C	0.191	0.027	0.246	2.55E-12	0.018	0.020	0.359	0.013	48.983	TRUE	9.14E-12
Non-allergic asthma	FOXK2	cg26986438	rs9914081	T	C	0.267	0.038	0.280	2.49E-12	-0.029	0.017	0.076	0.013	49.026	TRUE	1.84E-11
Non-allergic asthma	FOXK2	cg27450688	rs3794713	C	T	-0.197	0.030	0.165	9.48E-11	-0.012	0.018	0.523	0.011	41.904	TRUE	2.37E-10
Non-allergic asthma	FYN	cg02755956	rs9487724	G	C	0.261	0.043	0.100	1.36E-09	-0.059	0.036	0.101	0.010	36.710	TRUE	6.46E-09
Non-allergic asthma	FYN	cg02816367	rs2012071	A	G	0.184	0.025	0.472	3.55E-13	0.015	0.016	0.346	0.014	52.851	TRUE	1.40E-12
Non-allergic asthma	FYN	cg04657000	rs1887315	G	C	0.342	0.038	0.138	9.54E-20	-0.047	0.028	0.093	0.022	82.658	TRUE	1.55E-18
Non-allergic asthma	FYN	cg05517541	rs10457239	A	G	-0.211	0.034	0.154	8.33E-10	0.019	0.022	0.399	0.010	37.660	TRUE	2.26E-09
Non-allergic asthma	FYN	cg05517541	rs137922443	G	A	0.597	0.100	0.017	2.59E-09	-0.010	0.050	0.841	0.009	35.451	TRUE	4.21E-09
Non-allergic asthma	FYN	cg05517541	rs17073074	T	C	0.514	0.046	0.085	8.69E-29	0.029	0.031	0.352	0.032	123.872	TRUE	1.56E-27
Non-allergic asthma	FYN	cg05517541	rs17704348	C	T	-0.254	0.037	0.131	3.83E-12	-0.013	0.023	0.558	0.013	48.184	TRUE	1.02E-11
Non-allergic asthma	FYN	cg05517541	rs536341	A	G	0.428	0.066	0.042	1.02E-10	-0.013	0.034	0.692	0.011	41.769	TRUE	2.10E-10
Non-allergic asthma	FYN	cg05517541	rs580900	C	T	0.822	0.060	0.049	4.49E-43	0.018	0.040	0.656	0.049	189.210	TRUE	1.94E-41
Non-allergic asthma	FYN	cg05517541	rs6932319	A	G	-0.330	0.036	0.146	2.12E-20	-0.010	0.028	0.733	0.023	85.628	TRUE	8.43E-20
Non-allergic asthma	FYN	cg05517541	rs927010	C	G	-0.209	0.029	0.244	9.41E-13	-0.010	0.016	0.561	0.014	50.937	TRUE	2.62E-12
Non-allergic asthma	FYN	cg05517541	rs9400505	C	T	1.229	0.030	0.148	<1E-200	-0.035	0.027	0.200	0.313	1683.281	TRUE	<1E-200
Non-allergic asthma	FYN	cg05517541	rs9481206	T	A	0.288	0.040	0.116	3.23E-13	-0.028	0.029	0.339	0.014	53.036	TRUE	1.30E-12
Non-allergic asthma	FYN	cg07725064	rs17072993	T	C	0.241	0.036	0.152	2.57E-11	-0.029	0.029	0.326	0.012	44.455	TRUE	8.88E-11
Non-allergic asthma	FYN	cg07725064	rs4544951	G	A	-0.173	0.027	0.343	1.11E-10	-0.019	0.017	0.274	0.011	41.602	TRUE	3.93E-10
Non-allergic asthma	FYN	cg07725064	rs4947131	A	G	-0.214	0.029	0.244	3.41E-13	0.036	0.020	0.073	0.014	52.928	TRUE	2.84E-12
Non-allergic asthma	FYN	cg07725064	rs9387018	T	C	-0.193	0.028	0.279	5.59E-12	0.004	0.017	0.810	0.013	47.443	TRUE	1.10E-11
Non-allergic asthma	FYN	cg07725064	rs9487589	C	T	-0.203	0.028	0.280	7.46E-13	0.034	0.016	0.038	0.014	51.391	TRUE	7.53E-12
Non-allergic asthma	FYN	cg07725064	rs9487730	T	A	-0.984	0.052	0.054	4.35E-81	0.038	0.043	0.376	0.089	363.527	TRUE	1.47E-76
Non-allergic asthma	FYN	cg08061598	rs9374281	T	G	0.468	0.079	0.028	2.91E-09	-0.285	0.131	0.030	0.009	35.226	TRUE	1.94E-08
Non-allergic asthma	FYN	cg08270099	rs1321169	A	T	0.153	0.027	0.375	8.95E-09	0.009	0.016	0.599	0.009	33.040	TRUE	1.78E-08
Non-allergic asthma	FYN	cg08376209	rs62413686	T	G	1.033	0.116	0.011	5.79E-19	0.126	0.109	0.245	0.021	79.097	TRUE	4.95E-18
Non-allergic asthma	FYN	cg08376209	rs697642	A	G	0.280	0.045	0.088	4.62E-10	0.014	0.035	0.678	0.010	38.811	TRUE	9.25E-10
Non-allergic asthma	FYN	cg08601457	rs12175744	C	G	0.380	0.046	0.085	1.85E-16	0.023	0.031	0.445	0.018	67.722	TRUE	8.28E-16
Non-allergic asthma	FYN	cg08601457	rs17540214	T	A	-0.212	0.037	0.133	6.56E-09	0.017	0.026	0.508	0.009	33.644	TRUE	1.45E-08
Non-allergic asthma	FYN	cg08601457	rs62413686	T	G	0.743	0.116	0.011	1.79E-10	0.126	0.109	0.245	0.011	40.665	TRUE	6.56E-10
Non-allergic asthma	FYN	cg08601457	rs6932319	A	G	-0.249	0.036	0.146	3.40E-12	-0.010	0.028	0.733	0.013	48.419	TRUE	7.40E-12
Non-allergic asthma	FYN	cg08601457	rs706895	C	T	0.284	0.029	0.249	1.62E-22	0.028	0.021	0.185	0.025	95.265	TRUE	2.42E-21
Non-allergic asthma	FYN	cg08601457	rs9487736	A	G	0.872	0.035	0.143	5.23E-135	-0.035	0.030	0.243	0.142	611.189	TRUE	7.74E-125
Non-allergic asthma	FYN	cg09410830	rs17072801	C	A	-0.437	0.072	0.071	1.30E-09	0.063	0.029	0.031	0.010	36.800	TRUE	8.98E-09
Non-allergic asthma	FYN	cg09512548	rs10457239	A	G	-0.280	0.034	0.154	4.11E-16	0.019	0.022	0.399	0.018	66.148	TRUE	1.93E-15
Non-allergic asthma	FYN	cg09512548	rs11153314	A	G	0.199	0.033	0.177	2.41E-09	0.037	0.026	0.150	0.010	35.595	TRUE	9.63E-09
Non-allergic asthma	FYN	cg09512548	rs12191154	G	A	-0.696	0.038	0.108	5.00E-74	-0.016	0.025	0.526	0.082	331.126	TRUE	2.74E-70
Non-allergic asthma	FYN	cg09512548	rs1794818	A	G	0.297	0.025	0.411	1.94E-31	-0.001	0.016	0.966	0.035	135.986	TRUE	1.34E-30
Non-allergic asthma	FYN	cg09512548	rs56376432	C	T	0.253	0.046	0.082	3.47E-08	-0.024	0.033	0.456	0.008	30.407	TRUE	7.67E-08
Non-allergic asthma	FYN	cg13832988	rs116862171	G	A	-1.205	0.139	0.016	3.78E-18	0.015	0.055	0.787	0.020	75.390	TRUE	1.17E-17
Non-allergic asthma	FYN	cg13832988	rs35552830	A	T	-0.207	0.033	0.170	2.68E-10	-0.037	0.021	0.077	0.011	39.874	TRUE	1.53E-09
Non-allergic asthma	FYN	cg14482998	rs1029324	A	G	-0.941	0.022	0.327	<1E-200	0.006	0.016	0.735	0.333	1844.014	TRUE	<1E-200
Non-allergic asthma	FYN	cg14482998	rs11153314	A	G	-0.498	0.033	0.177	3.66E-52	0.037	0.026	0.150	0.059	230.847	TRUE	2.99E-49

Non-allergic asthma	FYN	cg14482998	rs117106468	A	C	-0.671	0.090	0.019	9.52E-14	0.156	0.071	0.028	0.015	55.434	TRUE	1.21E-12
Non-allergic asthma	FYN	cg14482998	rs117686161	A	T	0.829	0.140	0.015	3.09E-09	-0.235	0.078	0.002	0.009	35.109	TRUE	3.70E-08
Non-allergic asthma	FYN	cg14482998	rs117804466	A	G	0.560	0.073	0.030	1.83E-14	-0.204	0.050	4.41E-05	0.016	58.680	TRUE	1.37E-12
Non-allergic asthma	FYN	cg14482998	rs174401	C	T	-0.504	0.032	0.180	1.32E-55	-0.001	0.018	0.951	0.063	246.626	TRUE	1.39E-53
Non-allergic asthma	FYN	cg14482998	rs2237257	G	T	0.578	0.037	0.124	3.70E-56	-0.016	0.025	0.530	0.063	249.157	TRUE	1.22E-53
Non-allergic asthma	FYN	cg14482998	rs35737411	T	C	0.403	0.043	0.095	1.44E-20	0.015	0.040	0.717	0.023	86.397	TRUE	5.93E-20
Non-allergic asthma	FYN	cg14482998	rs35796161	G	T	0.511	0.025	0.398	1.16E-96	-0.010	0.016	0.560	0.105	435.023	TRUE	4.03E-91
Non-allergic asthma	FYN	cg14482998	rs456865	T	C	-0.336	0.025	0.429	5.97E-40	0.014	0.016	0.374	0.045	174.913	TRUE	3.62E-38
Non-allergic asthma	FYN	cg14482998	rs62414866	A	C	0.420	0.044	0.082	3.04E-21	0.033	0.037	0.367	0.024	89.467	TRUE	2.45E-20
Non-allergic asthma	FYN	cg14482998	rs72944240	T	C	-0.382	0.054	0.143	1.67E-12	0.007	0.029	0.800	0.013	49.806	TRUE	3.46E-12
Non-allergic asthma	FYN	cg14482998	rs74885165	A	G	0.472	0.082	0.020	6.80E-09	-0.019	0.038	0.612	0.009	33.573	TRUE	1.34E-08
Non-allergic asthma	FYN	cg14482998	rs75288724	G	A	-0.772	0.087	0.022	7.02E-19	0.047	0.077	0.544	0.021	78.714	TRUE	3.30E-18
Non-allergic asthma	FYN	cg14482998	rs788157	T	A	-0.672	0.084	0.023	1.02E-15	0.087	0.055	0.116	0.017	64.360	TRUE	9.29E-15
Non-allergic asthma	FYN	cg14482998	rs79074797	C	T	-0.585	0.047	0.078	4.92E-35	-0.038	0.036	0.296	0.040	152.419	TRUE	2.10E-33
Non-allergic asthma	FYN	cg14482998	rs9487589	C	T	0.393	0.028	0.280	1.51E-44	0.034	0.016	0.038	0.050	195.964	TRUE	1.16E-41
Non-allergic asthma	FYN	cg14482998	rs9487671	C	T	-0.466	0.065	0.044	6.91E-13	0.059	0.039	0.128	0.014	51.542	TRUE	4.40E-12
Non-allergic asthma	FYN	cg14482998	rs9487704	A	G	-0.705	0.083	0.024	1.29E-17	0.007	0.051	0.896	0.019	72.976	TRUE	3.32E-17
Non-allergic asthma	FYN	cg14683699	rs73533730	T	C	-0.499	0.082	0.028	1.35E-09	-0.179	0.104	0.085	0.010	36.714	TRUE	6.84E-09
Non-allergic asthma	FYN	cg14683699	rs9320380	T	C	-0.299	0.030	0.253	6.80E-24	-0.025	0.021	0.233	0.027	101.542	TRUE	1.01E-22
Non-allergic asthma	FYN	cg16155724	rs1887315	G	C	0.293	0.038	0.138	8.29E-15	-0.047	0.028	0.093	0.016	60.233	TRUE	7.54E-14
Non-allergic asthma	FYN	cg17076443	rs9487736	A	G	0.300	0.037	0.143	3.55E-16	-0.035	0.030	0.243	0.018	66.434	TRUE	2.30E-15
Non-allergic asthma	FYN	cg20596647	rs12175744	C	G	0.504	0.046	0.085	6.81E-28	0.023	0.031	0.445	0.031	119.788	TRUE	8.94E-27
Non-allergic asthma	FYN	cg20596647	rs144080231	A	G	-0.198	0.035	0.146	1.84E-08	0.017	0.022	0.453	0.008	31.644	TRUE	4.16E-08
Non-allergic asthma	FYN	cg20596647	rs17704348	C	T	-0.246	0.037	0.131	1.72E-11	-0.013	0.023	0.558	0.012	45.238	TRUE	4.38E-11
Non-allergic asthma	FYN	cg20596647	rs4544951	G	A	-0.151	0.027	0.343	1.56E-08	-0.019	0.017	0.274	0.009	31.962	TRUE	4.50E-08
Non-allergic asthma	FYN	cg20596647	rs536341	A	G	0.372	0.066	0.042	1.96E-08	-0.013	0.034	0.692	0.008	31.522	TRUE	3.46E-08
Non-allergic asthma	FYN	cg20596647	rs62413686	T	G	1.319	0.116	0.011	3.67E-30	0.126	0.109	0.245	0.034	130.148	TRUE	1.05E-28
Non-allergic asthma	FYN	cg20596647	rs706867	T	C	-0.195	0.029	0.235	3.59E-11	-0.007	0.017	0.691	0.012	43.803	TRUE	7.64E-11
Non-allergic asthma	FYN	cg20596647	rs706895	C	T	0.322	0.029	0.249	1.00E-28	0.028	0.021	0.185	0.032	123.586	TRUE	3.02E-27
Non-allergic asthma	FYN	cg20596647	rs72942201	A	G	-0.347	0.051	0.061	7.43E-12	-0.050	0.036	0.166	0.013	46.884	TRUE	3.76E-11
Non-allergic asthma	FYN	cg20596647	rs7775711	A	G	1.225	0.031	0.142	<1E-200	-0.035	0.030	0.243	0.297	1561.376	TRUE	1.83E-295
Non-allergic asthma	FYN	cg20706496	rs150735800	C	T	0.452	0.081	0.025	2.94E-08	0.075	0.053	0.156	0.008	30.732	TRUE	1.03E-07
Non-allergic asthma	FYN	cg20706496	rs6912110	G	A	-0.327	0.026	0.376	1.18E-35	0.008	0.016	0.604	0.040	155.263	TRUE	2.47E-34
Non-allergic asthma	FYN	cg24824472	rs9487736	A	G	0.494	0.036	0.143	9.37E-42	-0.035	0.030	0.243	0.047	183.170	TRUE	1.11E-39
Non-allergic asthma	FYN	cg26462931	rs9487777	C	G	1.489	0.109	0.014	3.66E-42	0.010	0.041	0.809	0.048	185.037	TRUE	1.02E-40
Non-allergic asthma	FYN	cg26846943	rs10872074	G	A	0.485	0.082	0.026	2.76E-09	0.027	0.050	0.594	0.009	35.325	TRUE	5.72E-09
Non-allergic asthma	FYN	cg26846943	rs11153318	A	G	-0.256	0.026	0.364	2.90E-22	0.007	0.016	0.673	0.025	94.119	TRUE	1.47E-21
Non-allergic asthma	FYN	cg26846943	rs144080231	A	G	-0.217	0.035	0.146	7.31E-10	0.017	0.022	0.453	0.010	37.915	TRUE	1.86E-09
Non-allergic asthma	FYN	cg26846943	rs17704348	C	T	-0.287	0.037	0.131	3.72E-15	-0.013	0.023	0.558	0.016	61.811	TRUE	1.26E-14
Non-allergic asthma	FYN	cg26846943	rs56268709	A	C	0.854	0.154	0.015	2.83E-08	0.078	0.061	0.197	0.008	30.805	TRUE	9.07E-08
Non-allergic asthma	FYN	cg26846943	rs580900	C	T	1.153	0.059	0.049	1.89E-85	0.018	0.040	0.656	0.094	383.552	TRUE	5.22E-81
Non-allergic asthma	FYN	cg26846943	rs585057	T	C	0.240	0.039	0.329	5.71E-10	0.020	0.016	0.221	0.010	38.396	TRUE	2.09E-09

Non-allergic asthma	FYN	cg26846943	rs72946251	C	A	0.475	0.067	0.042	1.20E-12	-0.013	0.034	0.694	0.013	50.459	TRUE	2.82E-12
Non-allergic asthma	FYN	cg26846943	rs7776191	G	T	0.735	0.067	0.036	5.09E-28	0.043	0.039	0.274	0.032	120.367	TRUE	1.04E-26
Non-allergic asthma	FYN	cg26846943	rs804193	T	C	0.562	0.064	0.042	1.57E-18	0.030	0.051	0.559	0.020	77.129	TRUE	6.97E-18
Non-allergic asthma	FYN	cg26846943	rs9400505	C	T	1.342	0.027	0.148	<1E-200	-0.035	0.027	0.200	0.400	2466.568	TRUE	<1E-200
Non-allergic asthma	FYN	cg26846943	rs9481206	T	A	0.308	0.040	0.116	6.25E-15	-0.028	0.029	0.339	0.016	60.790	TRUE	2.94E-14
Non-allergic asthma	G0S2	cg06616057	rs11577968	C	G	0.155	0.028	0.210	3.87E-08	0.009	0.020	0.663	0.008	30.198	TRUE	6.91E-08
Non-allergic asthma	G0S2	cg08158408	rs56948998	T	A	0.252	0.028	0.208	2.99E-19	0.011	0.020	0.587	0.021	80.402	TRUE	1.35E-18
Non-allergic asthma	G0S2	cg08185241	rs73087477	T	C	0.156	0.028	0.212	3.17E-08	0.010	0.020	0.600	0.008	30.583	TRUE	6.05E-08
Non-allergic asthma	G0S2	cg14824901	rs73087477	T	C	0.209	0.028	0.212	1.04E-13	0.010	0.020	0.600	0.015	55.253	TRUE	2.98E-13
Non-allergic asthma	G0S2	cg19534438	rs2049999	C	T	0.198	0.024	0.388	1.94E-16	-0.012	0.016	0.478	0.018	67.625	TRUE	8.23E-16
Non-allergic asthma	G0S2	cg19534438	rs4844988	T	C	0.225	0.033	0.143	6.81E-12	0.004	0.023	0.849	0.013	47.057	TRUE	1.28E-11
Non-allergic asthma	G0S2	cg19534438	rs6660087	C	T	-0.160	0.028	0.221	1.15E-08	-0.008	0.018	0.641	0.009	32.555	TRUE	2.17E-08
Non-allergic asthma	G0S2	cg19534438	rs78075213	G	T	0.798	0.125	0.019	1.48E-10	-0.048	0.058	0.409	0.011	41.035	TRUE	4.22E-10
Non-allergic asthma	G0S2	cg19534438	rs932374	G	A	0.576	0.025	0.268	2.52E-114	0.023	0.018	0.186	0.122	516.163	TRUE	2.97E-106
Non-allergic asthma	G0S2	cg23646375	rs10779511	A	G	0.159	0.027	0.242	4.31E-09	0.016	0.019	0.413	0.009	34.462	TRUE	1.08E-08
Non-allergic asthma	G0S2	cg23646375	rs2298924	G	A	-0.232	0.035	0.135	4.67E-11	0.048	0.027	0.076	0.012	43.286	TRUE	2.94E-10
Non-allergic asthma	G0S2	cg23646375	rs3753522	A	G	0.397	0.027	0.240	2.70E-47	-0.038	0.018	0.039	0.053	208.542	TRUE	3.14E-44
Non-allergic asthma	G0S2	cg23646375	rs4844860	G	A	0.141	0.026	0.292	4.21E-08	-0.002	0.017	0.891	0.008	30.034	TRUE	6.12E-08
Non-allergic asthma	G0S2	cg27176828	rs73087477	T	C	0.195	0.028	0.212	3.44E-12	0.010	0.020	0.600	0.013	48.395	TRUE	8.75E-12
Non-allergic asthma	GATA2	cg00241663	rs2253720	T	C	-0.144	0.023	0.458	7.96E-10	-0.001	0.016	0.949	0.010	37.750	TRUE	1.20E-09
Non-allergic asthma	GATA2	cg00241663	rs62270949	T	C	-0.383	0.062	0.036	9.03E-10	-0.014	0.050	0.784	0.010	37.503	TRUE	1.60E-09
Non-allergic asthma	GATA2	cg03839949	rs12494136	C	T	-0.166	0.026	0.277	3.84E-10	0.015	0.018	0.382	0.010	39.172	TRUE	1.10E-09
Non-allergic asthma	GATA2	cg03839949	rs2713576	A	G	-0.170	0.024	0.422	9.43E-13	-0.009	0.017	0.610	0.014	50.933	TRUE	2.47E-12
Non-allergic asthma	GATA2	cg03839949	rs73203424	T	C	-0.613	0.063	0.036	3.29E-22	-0.014	0.050	0.784	0.025	93.869	TRUE	1.40E-21
Non-allergic asthma	GATA2	cg04535236	rs115516304	A	G	0.539	0.076	0.026	1.32E-12	-0.109	0.078	0.166	0.013	50.269	TRUE	7.25E-12
Non-allergic asthma	GATA2	cg04535236	rs11713343	A	G	0.246	0.042	0.187	5.82E-09	-0.033	0.019	0.085	0.009	33.876	TRUE	2.72E-08
Non-allergic asthma	GATA2	cg04535236	rs2659699	T	C	-0.342	0.024	0.383	7.10E-46	0.008	0.016	0.596	0.052	202.038	TRUE	4.97E-44
Non-allergic asthma	GATA2	cg04535236	rs2811402	G	T	-0.149	0.024	0.459	2.83E-10	0.001	0.016	0.971	0.011	39.767	TRUE	4.29E-10
Non-allergic asthma	GATA2	cg04535236	rs55683935	G	T	0.671	0.070	0.034	1.22E-21	-0.075	0.033	0.023	0.024	91.272	TRUE	4.85E-20
Non-allergic asthma	GATA2	cg04535236	rs55686439	A	C	0.748	0.029	0.202	6.30E-147	-0.065	0.020	0.001	0.153	665.962	TRUE	1.04E-132
Non-allergic asthma	GATA2	cg04535236	rs56165381	G	A	-0.219	0.024	0.379	1.06E-19	0.015	0.016	0.336	0.022	82.441	TRUE	7.89E-19
Non-allergic asthma	GATA2	cg04535236	rs6439140	T	C	0.240	0.025	0.316	3.15E-21	-0.023	0.017	0.175	0.024	89.396	TRUE	4.24E-20
Non-allergic asthma	GATA2	cg04535236	rs72983369	A	G	0.465	0.082	0.023	1.49E-08	-0.080	0.054	0.141	0.009	32.048	TRUE	5.59E-08
Non-allergic asthma	GATA2	cg04535236	rs78195106	T	A	0.392	0.064	0.040	8.26E-10	0.020	0.071	0.780	0.010	37.676	TRUE	1.47E-09
Non-allergic asthma	GATA2	cg04535236	rs9819632	T	C	-0.239	0.042	0.082	1.20E-08	0.014	0.029	0.621	0.009	32.472	TRUE	2.31E-08
Non-allergic asthma	GATA2	cg04535236	rs9854897	C	A	-0.246	0.030	0.199	1.31E-16	-0.028	0.025	0.246	0.018	68.407	TRUE	8.79E-16
Non-allergic asthma	GATA2	cg06796779	rs7620408	T	C	-0.198	0.033	0.141	2.63E-09	0.004	0.020	0.838	0.009	35.425	TRUE	4.28E-09
Non-allergic asthma	GATA2	cg07195926	rs7629791	A	G	-0.130	0.023	0.474	2.08E-08	-0.018	0.016	0.282	0.008	31.404	TRUE	5.85E-08
Non-allergic asthma	GATA2	cg07841173	rs2713594	A	G	-0.306	0.023	0.419	9.67E-39	0.007	0.016	0.661	0.044	169.376	TRUE	2.51E-37
Non-allergic asthma	GATA2	cg07841173	rs2713599	A	C	0.136	0.024	0.443	8.01E-09	0.028	0.016	0.080	0.009	33.255	TRUE	3.75E-08
Non-allergic asthma	GATA2	cg07841173	rs2981027	T	A	-0.241	0.043	0.160	1.96E-08	-0.030	0.022	0.165	0.008	31.513	TRUE	6.86E-08
Non-allergic asthma	GATA2	cg07841173	rs34870876	G	C	0.351	0.050	0.061	2.49E-12	-0.098	0.028	5.29E-04	0.013	49.030	TRUE	7.33E-11

Non-allergic asthma	GATA2	cg07841173	rs72987210	T	C	-0.193	0.027	0.250	2.02E-12	0.019	0.018	0.285	0.013	49.438	TRUE	8.31E-12
Non-allergic asthma	GATA2	cg07841173	rs73203424	T	C	-1.101	0.062	0.036	1.19E-69	-0.014	0.050	0.784	0.078	311.042	TRUE	1.48E-66
Non-allergic asthma	GATA2	cg07841173	rs73862214	G	T	0.490	0.084	0.023	4.96E-09	-0.067	0.052	0.200	0.009	34.185	TRUE	1.72E-08
Non-allergic asthma	GATA2	cg13483882	rs4857909	A	G	0.212	0.037	0.113	8.82E-09	-0.016	0.023	0.486	0.009	33.068	TRUE	1.97E-08
Non-allergic asthma	GATA2	cg13483882	rs62270949	T	C	-0.406	0.063	0.036	1.01E-10	-0.014	0.050	0.784	0.011	41.773	TRUE	1.90E-10
Non-allergic asthma	GATA2	cg13483882	rs7433900	A	G	0.226	0.030	0.194	2.79E-14	0.017	0.019	0.371	0.015	57.843	TRUE	1.17E-13
Non-allergic asthma	GATA2	cg13483882	rs7629791	A	G	-0.322	0.023	0.474	4.05E-43	-0.018	0.016	0.282	0.049	189.416	TRUE	4.96E-41
Non-allergic asthma	GATA2	cg15038286	rs115516304	A	G	0.590	0.076	0.026	8.38E-15	-0.109	0.078	0.166	0.016	60.211	TRUE	5.81E-14
Non-allergic asthma	GATA2	cg15038286	rs2335660	T	G	0.298	0.025	0.337	2.09E-32	0.008	0.017	0.646	0.037	140.406	TRUE	2.86E-31
Non-allergic asthma	GATA2	cg15038286	rs2811366	G	T	0.130	0.024	0.442	4.21E-08	0.014	0.016	0.397	0.008	30.032	TRUE	9.89E-08
Non-allergic asthma	GATA2	cg15038286	rs3935016	T	C	0.260	0.025	0.318	7.77E-25	-0.022	0.017	0.191	0.028	105.839	TRUE	1.47E-23
Non-allergic asthma	GATA2	cg15038286	rs55683935	G	T	0.585	0.070	0.034	9.37E-17	-0.075	0.033	0.023	0.018	69.060	TRUE	1.92E-15
Non-allergic asthma	GATA2	cg15038286	rs55686439	A	C	0.752	0.029	0.202	2.10E-148	-0.065	0.020	0.001	0.154	672.748	TRUE	5.46E-134
Non-allergic asthma	GATA2	cg15038286	rs56165381	G	A	-0.228	0.024	0.379	3.48E-21	0.015	0.016	0.336	0.024	89.200	TRUE	2.98E-20
Non-allergic asthma	GATA2	cg15038286	rs72983369	A	G	0.492	0.082	0.023	2.06E-09	-0.080	0.054	0.141	0.010	35.895	TRUE	8.52E-09
Non-allergic asthma	GATA2	cg15038286	rs7627162	A	G	-0.203	0.035	0.121	9.03E-09	0.018	0.026	0.482	0.009	33.022	TRUE	2.03E-08
Non-allergic asthma	GATA2	cg15038286	rs7629791	A	G	0.343	0.023	0.474	8.52E-49	-0.018	0.016	0.282	0.055	215.418	TRUE	2.24E-46
Non-allergic asthma	GATA2	cg15038286	rs78195106	T	A	0.420	0.064	0.040	4.60E-11	0.020	0.071	0.780	0.012	43.317	TRUE	8.84E-11
Non-allergic asthma	GATA2	cg15038286	rs9854897	C	A	-0.223	0.030	0.199	5.58E-14	-0.028	0.025	0.246	0.015	56.484	TRUE	2.89E-13
Non-allergic asthma	GATA2	cg19638477	rs7629791	A	G	-0.143	0.024	0.474	1.38E-09	-0.018	0.016	0.282	0.010	36.681	TRUE	4.35E-09
Non-allergic asthma	GATA2	cg22801992	rs2713576	A	G	-0.228	0.024	0.422	6.44E-22	-0.009	0.017	0.610	0.024	92.540	TRUE	3.52E-21
Non-allergic asthma	GATA2	cg22801992	rs7611275	G	C	-0.428	0.064	0.035	2.36E-11	-0.007	0.050	0.889	0.012	44.625	TRUE	4.12E-11
Non-allergic asthma	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	0.027	0.017	0.102	0.009	33.308	TRUE	3.37E-08
Non-allergic asthma	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	0.047	0.029	0.108	0.008	30.032	TRUE	1.64E-07
Non-allergic asthma	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	0.006	0.018	0.730	0.009	32.422	TRUE	2.13E-08
Non-allergic asthma	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	-0.062	0.050	0.214	0.011	42.684	TRUE	2.60E-10
Non-allergic asthma	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	-0.053	0.016	0.001	0.013	48.719	TRUE	7.36E-11
Non-allergic asthma	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	0.046	0.028	0.093	0.073	291.545	TRUE	2.33E-61
Non-allergic asthma	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	0.126	0.054	0.020	0.010	36.633	TRUE	1.10E-08
Non-allergic asthma	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	-0.024	0.022	0.287	0.010	36.929	TRUE	3.81E-09
Non-allergic asthma	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	0.033	0.020	0.100	0.010	37.019	TRUE	5.57E-09
Non-allergic asthma	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	0.064	0.016	5.52E-05	0.008	30.384	TRUE	6.56E-07
Non-allergic asthma	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	-0.004	0.029	0.889	0.009	35.350	TRUE	4.24E-09
Non-allergic asthma	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	-0.019	0.017	0.272	0.073	293.103	TRUE	3.50E-62
Non-allergic asthma	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	0.003	0.024	0.906	0.012	46.222	TRUE	1.83E-11
Non-allergic asthma	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	0.027	0.017	0.105	0.020	73.634	TRUE	1.12E-16
Non-allergic asthma	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	0.029	0.022	0.179	0.021	81.272	TRUE	2.10E-18
Non-allergic asthma	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	-0.017	0.021	0.403	0.024	92.119	TRUE	6.29E-21
Non-allergic asthma	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	0.024	0.016	0.142	0.017	65.797	TRUE	4.20E-15
Non-allergic asthma	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	0.045	0.029	0.125	0.012	44.362	TRUE	1.44E-10
Non-allergic asthma	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	0.055	0.016	5.12E-04	0.017	64.427	TRUE	5.41E-14
Non-allergic asthma	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	-0.024	0.017	0.176	0.013	49.592	TRUE	9.80E-12

Non-allergic asthma	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	-0.037	0.033	0.261	0.010	35.790	TRUE	6.97E-09
Non-allergic asthma	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	0.018	0.018	0.326	0.019	71.662	TRUE	1.51E-16
Non-allergic asthma	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	-0.016	0.021	0.440	0.011	40.186	TRUE	6.15E-10
Non-allergic asthma	GATA4	cg12395012	rs113711483	C	G	0.348	0.025	0.389	5.53E-43	-0.075	0.017	1.39E-05	0.049	188.797	TRUE	1.29E-38
Non-allergic asthma	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	0.006	0.018	0.730	0.016	60.757	TRUE	1.68E-14
Non-allergic asthma	GATA4	cg12395012	rs11782805	T	C	-0.358	0.058	0.058	8.67E-10	0.050	0.044	0.263	0.010	37.584	TRUE	2.88E-09
Non-allergic asthma	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	-0.035	0.016	0.029	0.030	115.655	TRUE	4.03E-25
Non-allergic asthma	GATA4	cg12395012	rs12547653	A	C	0.254	0.028	0.266	1.54E-19	-0.241	0.517	0.642	0.022	81.705	TRUE	6.57E-19
Non-allergic asthma	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	-0.043	0.020	0.034	0.037	144.038	TRUE	5.34E-31
Non-allergic asthma	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	0.025	0.018	0.161	0.060	236.695	TRUE	1.80E-50
Non-allergic asthma	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	0.027	0.017	0.102	0.012	43.068	TRUE	2.93E-10
Non-allergic asthma	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	-0.038	0.019	0.046	0.036	139.849	TRUE	3.26E-30
Non-allergic asthma	GATA4	cg12395012	rs17796285	C	G	0.256	0.026	0.373	1.70E-23	-0.015	0.018	0.398	0.026	99.728	TRUE	1.60E-22
Non-allergic asthma	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	0.037	0.017	0.034	0.034	129.571	TRUE	5.06E-28
Non-allergic asthma	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	-0.012	0.016	0.457	0.012	45.010	TRUE	5.57E-11
Non-allergic asthma	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.054	0.018	0.002	0.022	82.740	TRUE	6.50E-18
Non-allergic asthma	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	-0.016	0.016	0.323	0.023	88.204	TRUE	4.98E-20
Non-allergic asthma	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	-0.021	0.016	0.193	0.378	2251.154	TRUE	<1E-200
Non-allergic asthma	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	0.052	0.049	0.291	0.008	30.198	TRUE	1.05E-07
Non-allergic asthma	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	0.042	0.023	0.067	0.016	58.439	TRUE	2.06E-13
Non-allergic asthma	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	0.014	0.016	0.384	0.020	74.471	TRUE	3.44E-17
Non-allergic asthma	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.019	0.029	0.515	0.011	39.772	TRUE	6.88E-10
Non-allergic asthma	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	0.033	0.019	0.080	0.026	99.007	TRUE	6.64E-22
Non-allergic asthma	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	-0.020	0.036	0.567	0.018	66.474	TRUE	1.26E-15
Non-allergic asthma	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	-0.052	0.032	0.107	0.014	50.905	TRUE	6.44E-12
Non-allergic asthma	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.014	0.024	0.566	0.015	57.079	TRUE	1.27E-13
Non-allergic asthma	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	-0.004	0.032	0.898	0.011	40.146	TRUE	3.81E-10
Non-allergic asthma	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.057	0.025	0.023	0.018	69.634	TRUE	1.45E-15
Non-allergic asthma	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	-0.022	0.017	0.193	0.013	48.249	TRUE	1.81E-11
Non-allergic asthma	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	0.010	0.023	0.667	0.014	52.642	TRUE	9.92E-13
Non-allergic asthma	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	0.029	0.022	0.179	0.037	142.044	TRUE	4.57E-31
Non-allergic asthma	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	-0.009	0.028	0.741	0.039	152.064	TRUE	8.68E-34
Non-allergic asthma	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.025	0.017	0.141	0.009	32.887	TRUE	3.70E-08
Non-allergic asthma	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	-0.012	0.032	0.701	0.008	30.231	TRUE	6.56E-08
Non-allergic asthma	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.017	0.019	0.377	0.055	213.953	TRUE	3.20E-46
Non-allergic asthma	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	-0.036	0.021	0.094	0.010	38.537	TRUE	2.72E-09
Non-allergic asthma	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	0.026	0.017	0.118	0.013	48.501	TRUE	1.99E-11
Non-allergic asthma	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	-0.036	0.017	0.038	0.037	141.186	TRUE	1.94E-30
Non-allergic asthma	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	-0.027	0.016	0.087	0.017	64.131	TRUE	1.19E-14
Non-allergic asthma	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	-0.025	0.067	0.709	0.009	34.801	TRUE	6.61E-09
Non-allergic asthma	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	0.037	0.033	0.252	0.009	32.326	TRUE	3.89E-08
Non-allergic asthma	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	0.020	0.017	0.244	0.055	216.699	TRUE	1.43E-46

Non-allergic asthma	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	0.036	0.024	0.127	0.008	29.788	TRUE	1.75E-07
Non-allergic asthma	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	-0.013	0.024	0.592	0.012	45.412	TRUE	3.85E-11
Non-allergic asthma	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	0.030	0.038	0.419	0.023	86.920	TRUE	7.58E-20
Non-allergic asthma	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	-0.030	0.075	0.688	0.018	69.543	TRUE	2.36E-16
Non-allergic asthma	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	0.049	0.016	0.003	0.011	42.187	TRUE	1.28E-09
Non-allergic asthma	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	0.043	0.020	0.035	0.013	49.055	TRUE	2.38E-11
Non-allergic asthma	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	0.025	0.021	0.229	0.023	85.330	TRUE	2.54E-19
Non-allergic asthma	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	-0.053	0.018	0.003	0.013	48.665	TRUE	6.07E-11
Non-allergic asthma	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.046	0.019	0.016	0.010	35.815	TRUE	1.72E-08
Non-allergic asthma	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	-0.025	0.017	0.133	0.012	45.548	TRUE	7.90E-11
Non-allergic asthma	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	-0.039	0.022	0.068	0.009	34.592	TRUE	2.07E-08
Non-allergic asthma	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	-0.011	0.018	0.558	0.014	52.700	TRUE	1.11E-12
Non-allergic asthma	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	0.030	0.018	0.105	0.011	41.898	TRUE	5.12E-10
Non-allergic asthma	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	0.036	0.017	0.036	0.013	50.455	TRUE	1.21E-11
Non-allergic asthma	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	0.043	0.029	0.132	0.009	32.861	TRUE	3.84E-08
Non-allergic asthma	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	0.055	0.016	5.12E-04	0.100	412.571	TRUE	1.13E-83
Non-allergic asthma	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	-0.024	0.017	0.176	0.017	62.753	TRUE	1.64E-14
Non-allergic asthma	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	-0.036	0.021	0.081	0.009	34.832	TRUE	1.74E-08
Non-allergic asthma	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	-0.025	0.026	0.351	0.008	30.565	TRUE	8.03E-08
Non-allergic asthma	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	0.052	0.031	0.089	0.023	85.529	TRUE	3.99E-19
Non-allergic asthma	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	-0.036	0.017	0.038	0.008	31.710	TRUE	9.90E-08
Non-allergic asthma	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	0.049	0.031	0.113	0.017	62.917	TRUE	1.89E-14
Non-allergic asthma	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	0.001	0.017	0.951	0.010	38.618	TRUE	7.77E-10
Non-allergic asthma	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	-0.027	0.022	0.209	0.019	70.206	TRUE	4.04E-16
Non-allergic asthma	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	0.028	0.025	0.246	0.010	36.804	TRUE	4.35E-09
Non-allergic asthma	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	0.044	0.016	0.006	0.136	581.132	TRUE	4.22E-117
Non-allergic asthma	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	0.006	0.018	0.730	0.010	37.048	TRUE	2.11E-09
Non-allergic asthma	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	-0.042	0.018	0.019	0.020	73.921	TRUE	2.04E-16
Non-allergic asthma	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	-0.030	0.019	0.108	0.015	57.528	TRUE	2.61E-13
Non-allergic asthma	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	-0.013	0.016	0.394	0.010	37.183	TRUE	2.88E-09
Non-allergic asthma	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	-0.052	0.019	0.005	0.019	70.635	TRUE	1.50E-15
Non-allergic asthma	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	-0.052	0.018	0.003	0.034	131.650	TRUE	5.63E-28
Non-allergic asthma	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	-0.046	0.025	0.064	0.011	40.029	TRUE	1.51E-09
Non-allergic asthma	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	-0.042	0.021	0.044	0.008	29.970	TRUE	2.19E-07
Non-allergic asthma	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	-0.006	0.016	0.727	0.013	50.398	TRUE	2.80E-12
Non-allergic asthma	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	-0.015	0.017	0.364	0.016	60.009	TRUE	4.11E-14
Non-allergic asthma	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	0.021	0.018	0.233	0.026	98.171	TRUE	5.12E-22
Non-allergic asthma	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	0.030	0.018	0.105	0.010	36.247	TRUE	7.99E-09
Non-allergic asthma	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	0.044	0.018	0.017	0.011	40.016	TRUE	2.27E-09
Non-allergic asthma	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	-0.026	0.020	0.188	0.012	44.473	TRUE	1.15E-10
Non-allergic asthma	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	-0.022	0.016	0.166	0.013	46.883	TRUE	3.76E-11
Non-allergic asthma	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	-0.033	0.018	0.060	0.018	68.221	TRUE	1.95E-15

Non-allergic asthma	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	-0.012	0.019	0.514	0.027	100.891	TRUE	7.21E-23
Non-allergic asthma	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	-0.033	0.022	0.129	0.015	57.157	TRUE	2.88E-13
Non-allergic asthma	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	0.024	0.016	0.142	0.024	91.679	TRUE	1.60E-20
Non-allergic asthma	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	0.047	0.029	0.108	0.009	33.368	TRUE	3.22E-08
Non-allergic asthma	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	0.018	0.018	0.326	0.033	127.799	TRUE	2.54E-28
Non-allergic asthma	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	-0.032	0.019	0.096	0.016	58.439	TRUE	1.77E-13
Non-allergic asthma	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	0.044	0.027	0.106	0.017	63.574	TRUE	1.42E-14
Non-allergic asthma	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	0.034	0.016	0.035	0.010	38.738	TRUE	3.42E-09
Non-allergic asthma	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	0.046	0.028	0.098	0.025	93.890	TRUE	6.86E-21
Non-allergic asthma	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	0.020	0.080	0.801	0.008	31.014	TRUE	4.05E-08
Non-allergic asthma	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	-0.034	0.027	0.202	0.015	56.164	TRUE	3.75E-13
Non-allergic asthma	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	-0.051	0.038	0.180	0.012	43.321	TRUE	2.06E-10
Non-allergic asthma	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	0.014	0.016	0.392	0.009	34.839	TRUE	9.19E-09
Non-allergic asthma	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	-0.022	0.018	0.214	0.008	29.771	TRUE	1.46E-07
Non-allergic asthma	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	0.030	0.028	0.276	0.023	87.462	TRUE	7.98E-20
Non-allergic asthma	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	0.021	0.029	0.473	0.015	57.334	TRUE	1.28E-13
Non-allergic asthma	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	-0.058	0.021	0.006	0.011	40.308	TRUE	2.62E-09
Non-allergic asthma	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	-0.024	0.020	0.236	0.008	30.269	TRUE	1.10E-07
Non-allergic asthma	GATA4	cg23916205	rs73209087	A	C	0.319	0.054	0.056	2.83E-09	-0.015	0.037	0.690	0.009	35.281	TRUE	5.30E-09
Non-allergic asthma	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	-0.073	0.017	3.07E-05	0.009	33.868	TRUE	1.43E-07
Non-allergic asthma	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.017	0.019	0.377	0.020	75.680	TRUE	1.94E-17
Non-allergic asthma	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	-0.031	0.016	0.059	0.118	496.104	TRUE	1.07E-101
Non-allergic asthma	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	-0.006	0.019	0.742	0.013	48.672	TRUE	6.47E-12
Non-allergic asthma	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	0.028	0.016	0.090	0.014	51.402	TRUE	5.45E-12
Non-allergic asthma	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	0.054	0.016	6.74E-04	0.034	131.293	TRUE	1.24E-27
Non-allergic asthma	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	-0.037	0.022	0.089	0.010	37.232	TRUE	5.24E-09
Non-allergic asthma	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	-0.078	0.019	2.60E-05	0.012	45.839	TRUE	5.82E-10
Non-allergic asthma	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	-0.034	0.018	0.059	0.009	34.224	TRUE	2.58E-08
Non-allergic asthma	GATA4	cg23972785	rs12156238	C	G	0.270	0.048	0.179	2.18E-08	-0.049	0.020	0.016	0.008	31.308	TRUE	1.50E-07
Non-allergic asthma	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	0.000	0.019	0.988	0.009	32.265	TRUE	1.83E-08
Non-allergic asthma	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	-0.015	0.016	0.349	0.014	51.868	TRUE	2.26E-12
Non-allergic asthma	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	0.049	0.017	0.003	0.014	52.429	TRUE	9.78E-12
Non-allergic asthma	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	0.011	0.017	0.506	0.011	39.564	TRUE	7.71E-10
Non-allergic asthma	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	-0.148	0.046	0.001	0.009	33.664	TRUE	8.39E-08
Non-allergic asthma	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	0.033	0.020	0.100	0.013	49.878	TRUE	1.09E-11
Non-allergic asthma	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	-0.019	0.017	0.272	0.099	407.818	TRUE	3.52E-85
Non-allergic asthma	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	-0.044	0.061	0.469	0.016	60.509	TRUE	2.71E-14
Non-allergic asthma	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	0.003	0.024	0.906	0.021	80.057	TRUE	1.01E-18
Non-allergic asthma	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	0.008	0.020	0.669	0.008	30.569	TRUE	5.70E-08
Non-allergic asthma	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	0.027	0.017	0.105	0.021	77.680	TRUE	1.59E-17
Non-allergic asthma	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	0.029	0.022	0.179	0.023	87.101	TRUE	1.26E-19
Non-allergic asthma	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	-0.069	0.017	3.14E-05	0.010	35.513	TRUE	6.67E-08

Non-allergic asthma	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	-0.017	0.021	0.403	0.035	134.159	TRUE	9.79E-30
Non-allergic asthma	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	0.027	0.017	0.108	0.029	109.329	TRUE	3.99E-24
Non-allergic asthma	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	-0.054	0.017	0.002	0.009	34.283	TRUE	5.96E-08
Non-allergic asthma	GCSH	cg07768763	rs4889225	T	C	-0.298	0.041	0.089	6.34E-13	0.050	0.022	0.022	0.014	51.712	TRUE	7.81E-12
Non-allergic asthma	GLS	cg03661409	rs1546646	A	G	0.162	0.024	0.383	2.63E-11	0.028	0.017	0.091	0.012	44.413	TRUE	1.60E-10
Non-allergic asthma	GLS	cg05607461	rs7562400	G	C	-0.172	0.023	0.413	1.43E-13	0.046	0.016	0.005	0.015	54.638	TRUE	3.02E-12
Non-allergic asthma	GLS	cg21497043	rs11894425	C	T	-0.261	0.023	0.408	1.10E-29	0.038	0.016	0.021	0.033	127.973	TRUE	1.37E-27
Non-allergic asthma	GPSM1	cg03607179	rs3812554	T	C	0.274	0.043	0.100	1.23E-10	-0.029	0.030	0.321	0.011	41.400	TRUE	4.01E-10
Non-allergic asthma	GPSM1	cg07324381	rs140876101	A	G	0.480	0.082	0.047	3.97E-09	-0.049	0.072	0.494	0.009	34.618	TRUE	9.06E-09
Non-allergic asthma	GPSM1	cg07324381	rs4074592	A	G	0.315	0.035	0.406	3.21E-19	0.003	0.017	0.840	0.021	80.261	TRUE	1.00E-18
Non-allergic asthma	GPSM1	cg13683534	rs11145889	G	A	0.322	0.027	0.267	2.48E-33	0.048	0.017	0.006	0.038	144.633	TRUE	9.75E-31
Non-allergic asthma	GPSM1	cg13683534	rs549853032	T	C	-0.532	0.065	0.037	3.83E-16	-0.037	0.037	0.323	0.018	66.287	TRUE	2.08E-15
Non-allergic asthma	GPSM1	cg13731504	rs34940359	T	G	1.035	0.102	0.026	4.56E-24	-0.085	0.079	0.282	0.027	102.334	TRUE	5.99E-23
Non-allergic asthma	GPSM1	cg13782380	rs75472867	C	G	-0.638	0.066	0.036	4.11E-22	-0.027	0.038	0.467	0.025	93.424	TRUE	2.95E-21
Non-allergic asthma	GPSM1	cg13792579	rs3812561	A	G	1.432	0.065	0.036	7.04E-108	-0.030	0.038	0.424	0.116	486.547	TRUE	4.70E-101
Non-allergic asthma	GPSM1	cg13792579	rs4298601	C	G	0.169	0.026	0.316	5.45E-11	0.039	0.017	0.019	0.011	42.984	TRUE	5.28E-10
Non-allergic asthma	GPSM1	cg13799504	rs11145922	A	G	0.379	0.037	0.145	8.27E-25	-0.031	0.024	0.203	0.028	105.715	TRUE	1.49E-23
Non-allergic asthma	GPSM1	cg13799504	rs112316758	A	G	-0.936	0.135	0.017	3.89E-12	-0.095	0.093	0.309	0.013	48.151	TRUE	1.49E-11
Non-allergic asthma	GPSM1	cg13799504	rs11574905	A	G	-0.620	0.078	0.039	2.65E-15	0.004	0.036	0.921	0.017	62.477	TRUE	5.69E-15
Non-allergic asthma	GPSM1	cg13799504	rs12552575	T	C	-0.920	0.143	0.015	1.12E-10	0.049	0.057	0.386	0.011	41.577	TRUE	3.33E-10
Non-allergic asthma	GPSM1	cg13799504	rs144372917	A	C	-1.051	0.157	0.012	2.13E-11	0.038	0.036	0.296	0.012	44.823	TRUE	7.80E-11
Non-allergic asthma	GPSM1	cg13799504	rs2229974	G	A	-0.181	0.024	0.433	5.06E-14	0.016	0.016	0.299	0.015	56.674	TRUE	2.36E-13
Non-allergic asthma	GPSM1	cg13799504	rs3829109	A	G	-0.861	0.026	0.284	1.43E-243	0.042	0.016	0.011	0.231	1110.273	TRUE	5.14E-215
Non-allergic asthma	GPSM1	cg13799504	rs4265307	T	C	-0.172	0.027	0.277	1.29E-10	-0.039	0.016	0.015	0.011	41.295	TRUE	1.27E-09
Non-allergic asthma	GPSM1	cg13799504	rs45459100	A	G	0.286	0.051	0.056	1.93E-08	0.036	0.053	0.501	0.008	31.550	TRUE	4.13E-08
Non-allergic asthma	GPSM1	cg13799504	rs6563	G	A	-0.203	0.030	0.496	6.41E-12	0.007	0.016	0.648	0.013	47.174	TRUE	1.51E-11
Non-allergic asthma	GPSM1	cg13905053	rs3812554	T	C	0.383	0.042	0.100	2.04E-19	-0.029	0.030	0.321	0.021	81.161	TRUE	1.52E-18
Non-allergic asthma	GPSM1	cg14040131	rs11145937	A	G	0.960	0.040	0.108	2.21E-128	-0.033	0.030	0.268	0.136	580.742	TRUE	4.83E-119
Non-allergic asthma	GPSM1	cg14040131	rs7851507	T	G	0.238	0.024	0.439	2.90E-23	0.029	0.017	0.087	0.026	98.669	TRUE	7.42E-22
Non-allergic asthma	GPSM1	cg14164080	rs4418446	A	G	0.251	0.027	0.263	1.42E-20	0.049	0.019	0.009	0.023	86.416	TRUE	7.22E-19
Non-allergic asthma	GPSM1	cg14164080	rs76179734	T	G	-0.198	0.029	0.201	1.19E-11	-0.045	0.023	0.052	0.012	45.969	TRUE	9.20E-11
Non-allergic asthma	GPSM1	cg14213590	rs10870125	T	C	0.686	0.036	0.144	2.91E-80	-0.031	0.024	0.204	0.089	359.741	TRUE	1.99E-75
Non-allergic asthma	GPSM1	cg14213590	rs150732334	A	G	0.861	0.133	0.015	1.13E-10	0.089	0.090	0.322	0.011	41.556	TRUE	3.71E-10
Non-allergic asthma	GPSM1	cg14213590	rs3124994	A	G	-0.225	0.031	0.371	6.19E-13	-0.014	0.016	0.376	0.014	51.759	TRUE	2.28E-12
Non-allergic asthma	GPSM1	cg14213590	rs34242208	T	G	0.648	0.104	0.029	4.26E-10	0.019	0.037	0.606	0.010	38.968	TRUE	9.24E-10
Non-allergic asthma	GPSM1	cg14213590	rs4077029	C	T	-0.145	0.024	0.488	9.62E-10	-0.033	0.016	0.042	0.010	37.381	TRUE	6.20E-09
Non-allergic asthma	GPSM1	cg14271150	rs35774078	A	G	-0.482	0.075	0.024	1.59E-10	-0.173	0.101	0.086	0.011	40.889	TRUE	8.98E-10
Non-allergic asthma	GPSM1	cg14271150	rs79796915	A	G	-0.405	0.067	0.036	1.73E-09	-0.031	0.038	0.412	0.010	36.236	TRUE	4.49E-09
Non-allergic asthma	GPSM1	cg14350257	rs35774078	A	G	-0.660	0.074	0.024	6.04E-19	-0.173	0.101	0.086	0.021	79.013	TRUE	9.25E-18
Non-allergic asthma	GPSM1	cg14479136	rs4320648	A	G	-0.160	0.027	0.269	2.59E-09	0.048	0.017	0.006	0.009	35.449	TRUE	2.61E-08
Non-allergic asthma	GPSM1	cg21195231	rs1128905	T	C	-0.485	0.023	0.489	1.94E-99	-0.023	0.016	0.150	0.108	447.781	TRUE	1.01E-92
Non-allergic asthma	GPSM1	cg21195231	rs113077382	T	C	-0.305	0.053	0.051	1.07E-08	0.050	0.058	0.388	0.009	32.699	TRUE	2.67E-08

Non-allergic asthma	GPSM1	cg21195231	rs1139057	T	C	-0.229	0.040	0.203	1.35E-08	-0.011	0.018	0.568	0.009	32.244	TRUE	2.73E-08
Non-allergic asthma	GPSM1	cg21195231	rs2229974	G	A	0.189	0.024	0.433	2.85E-15	0.016	0.016	0.299	0.017	62.333	TRUE	1.49E-14
Non-allergic asthma	GPSM1	cg21195231	rs35288226	A	G	0.163	0.024	0.347	2.61E-11	0.017	0.016	0.303	0.012	44.427	TRUE	9.36E-11
Non-allergic asthma	GPSM1	cg21195231	rs3812554	T	C	0.348	0.043	0.100	2.54E-16	-0.029	0.030	0.321	0.018	67.094	TRUE	1.41E-15
Non-allergic asthma	GPSM1	cg24336398	rs10870125	T	C	0.529	0.037	0.144	1.24E-47	-0.031	0.024	0.204	0.054	210.086	TRUE	3.90E-45
Non-allergic asthma	GPSM1	cg24336398	rs184353876	T	C	0.599	0.105	0.028	1.15E-08	0.013	0.037	0.733	0.009	32.553	TRUE	1.99E-08
Non-allergic asthma	GPSM1	cg25884399	rs4266763	G	A	0.211	0.024	0.443	1.54E-18	0.022	0.016	0.170	0.020	77.164	TRUE	1.57E-17
Non-allergic asthma	GPSM1	cg25884399	rs79796915	A	G	1.116	0.066	0.036	1.48E-63	-0.031	0.038	0.412	0.071	283.089	TRUE	2.14E-60
Non-allergic asthma	GPX4	cg01613691	rs4807542	A	G	0.705	0.031	0.159	3.13E-111	-0.060	0.019	0.001	0.119	501.949	TRUE	2.62E-101
Non-allergic asthma	GPX4	cg01613691	rs6843	T	C	-0.166	0.027	0.250	1.38E-09	0.051	0.018	0.004	0.010	36.674	TRUE	1.59E-08
Non-allergic asthma	GPX4	cg01613691	rs9304881	T	C	-0.185	0.025	0.320	1.63E-13	-0.016	0.018	0.356	0.014	54.377	TRUE	6.54E-13
Non-allergic asthma	GPX4	cg04903600	rs12461718	T	C	0.136	0.023	0.486	5.93E-09	0.013	0.016	0.421	0.009	33.839	TRUE	1.45E-08
Non-allergic asthma	GPX4	cg04903600	rs62131217	T	C	0.382	0.028	0.217	6.19E-42	0.029	0.018	0.107	0.047	183.995	TRUE	1.53E-39
Non-allergic asthma	GPX4	cg04903600	rs9304881	T	C	-0.203	0.025	0.320	5.13E-16	-0.016	0.018	0.356	0.017	65.711	TRUE	2.58E-15
Non-allergic asthma	GPX4	cg04928147	rs117193629	T	C	-0.368	0.057	0.044	1.25E-10	-0.039	0.039	0.324	0.011	41.363	TRUE	4.07E-10
Non-allergic asthma	GPX4	cg10732871	rs113103697	A	G	-0.411	0.044	0.093	1.07E-20	0.020	0.035	0.574	0.023	86.975	TRUE	5.60E-20
Non-allergic asthma	GPX4	cg10732871	rs113125042	C	T	0.582	0.097	0.026	1.92E-09	-0.070	0.050	0.155	0.010	36.033	TRUE	7.68E-09
Non-allergic asthma	GPX4	cg10732871	rs116649696	C	A	-0.336	0.053	0.054	2.50E-10	0.078	0.049	0.110	0.011	40.007	TRUE	1.26E-09
Non-allergic asthma	GPX4	cg10732871	rs117193629	T	C	0.528	0.058	0.044	8.00E-20	-0.039	0.039	0.324	0.022	83.005	TRUE	6.17E-19
Non-allergic asthma	GPX4	cg10732871	rs11878692	G	A	0.389	0.042	0.171	4.23E-20	0.014	0.020	0.468	0.022	84.265	TRUE	2.51E-19
Non-allergic asthma	GPX4	cg10732871	rs11882329	C	T	0.310	0.055	0.087	1.82E-08	-0.042	0.032	0.189	0.008	31.658	TRUE	6.07E-08
Non-allergic asthma	GPX4	cg10732871	rs12462842	C	T	0.830	0.020	0.459	<1E-200	0.000	0.016	0.977	0.326	1785.564	TRUE	<1E-200
Non-allergic asthma	GPX4	cg10732871	rs138878009	C	G	-0.342	0.062	0.039	4.19E-08	-0.006	0.062	0.917	0.008	30.044	TRUE	5.96E-08
Non-allergic asthma	GPX4	cg10732871	rs17523177	G	A	0.377	0.045	0.077	7.27E-17	0.038	0.023	0.090	0.018	69.561	TRUE	8.54E-16
Non-allergic asthma	GPX4	cg10732871	rs3087680	C	A	-0.340	0.050	0.106	7.99E-12	-0.038	0.034	0.255	0.012	46.744	TRUE	3.29E-11
Non-allergic asthma	GPX4	cg10732871	rs4147912	A	C	0.154	0.027	0.261	7.81E-09	0.014	0.018	0.426	0.009	33.304	TRUE	1.88E-08
Non-allergic asthma	GPX4	cg10732871	rs4807537	G	T	0.308	0.023	0.491	3.41E-40	-0.018	0.016	0.240	0.045	176.026	TRUE	3.35E-38
Non-allergic asthma	GPX4	cg10732871	rs76721557	T	C	-0.443	0.078	0.025	1.35E-08	-0.099	0.071	0.165	0.009	32.246	TRUE	4.79E-08
Non-allergic asthma	GPX4	cg10732871	rs8113403	A	G	-0.264	0.028	0.225	3.56E-21	0.006	0.018	0.755	0.024	89.156	TRUE	1.46E-20
Non-allergic asthma	GPX4	cg10732871	rs886990	A	G	0.205	0.033	0.300	4.81E-10	-0.051	0.016	0.002	0.010	38.731	TRUE	7.32E-09
Non-allergic asthma	GPX4	cg10732871	rs905149	G	A	0.207	0.030	0.204	3.09E-12	0.017	0.019	0.385	0.013	48.602	TRUE	1.06E-11
Non-allergic asthma	GPX4	cg14894245	rs12979379	G	A	0.211	0.025	0.307	4.86E-17	0.048	0.016	0.003	0.019	70.356	TRUE	2.12E-15
Non-allergic asthma	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	-0.009	0.016	0.574	0.022	83.004	TRUE	3.88E-19
Non-allergic asthma	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	-0.029	0.066	0.663	0.020	74.243	TRUE	2.45E-17
Non-allergic asthma	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	-0.035	0.039	0.372	0.016	59.557	TRUE	5.06E-14
Non-allergic asthma	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	0.008	0.018	0.668	0.012	45.037	TRUE	4.25E-11
Non-allergic asthma	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	0.011	0.018	0.542	0.011	42.892	TRUE	1.42E-10
Non-allergic asthma	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	-0.053	0.018	0.003	0.038	145.486	TRUE	9.07E-31
Non-allergic asthma	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	0.048	0.023	0.035	0.008	30.518	TRUE	1.79E-07
Non-allergic asthma	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	-0.022	0.036	0.539	0.042	163.312	TRUE	6.01E-36
Non-allergic asthma	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	0.057	0.016	4.18E-04	0.020	75.784	TRUE	2.78E-16
Non-allergic asthma	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	0.042	0.016	0.008	0.014	52.136	TRUE	8.74E-12

Non-allergic asthma	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	-0.010	0.022	0.637	0.014	52.275	TRUE	1.23E-12
Non-allergic asthma	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.007	0.026	0.786	0.010	38.182	TRUE	1.14E-09
Non-allergic asthma	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	0.042	0.016	0.008	0.031	118.611	TRUE	1.84E-25
Non-allergic asthma	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	-0.005	0.020	0.817	0.024	91.445	TRUE	4.35E-21
Non-allergic asthma	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.004	0.064	0.950	0.010	36.121	TRUE	2.72E-09
Non-allergic asthma	GSDMA	cg24910161	rs11871317	G	C	0.215	0.038	0.246	1.20E-08	-0.020	0.017	0.240	0.009	32.462	TRUE	3.72E-08
Non-allergic asthma	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	-0.034	0.020	0.086	0.023	88.537	TRUE	9.63E-20
Non-allergic asthma	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	0.005	0.016	0.774	0.011	41.141	TRUE	2.63E-10
Non-allergic asthma	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	0.072	0.018	6.25E-05	0.041	159.157	TRUE	6.74E-33
Non-allergic asthma	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	0.048	0.016	0.002	0.044	170.791	TRUE	7.40E-36
Non-allergic asthma	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	-0.046	0.016	0.003	0.320	1739.419	TRUE	<1E-200
Non-allergic asthma	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	0.002	0.036	0.960	0.017	62.193	TRUE	6.24E-15
Non-allergic asthma	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	0.057	0.035	0.105	0.013	50.514	TRUE	7.85E-12
Non-allergic asthma	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	0.009	0.017	0.612	0.034	128.558	TRUE	9.23E-29
Non-allergic asthma	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.037	0.032	0.248	0.033	127.851	TRUE	3.13E-28
Non-allergic asthma	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	-0.095	0.071	0.181	0.008	29.958	TRUE	1.42E-07
Non-allergic asthma	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	-0.005	0.020	0.817	0.022	84.446	TRUE	1.33E-19
Non-allergic asthma	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.004	0.064	0.950	0.011	40.041	TRUE	3.82E-10
Non-allergic asthma	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	-0.034	0.020	0.086	0.020	76.836	TRUE	2.65E-17
Non-allergic asthma	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	0.072	0.018	6.25E-05	0.047	181.852	TRUE	1.85E-37
Non-allergic asthma	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	0.048	0.016	0.002	0.055	213.970	TRUE	1.37E-44
Non-allergic asthma	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	-0.046	0.016	0.003	0.282	1451.768	TRUE	1.36E-273
Non-allergic asthma	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.039	0.026	0.137	0.032	124.005	TRUE	3.07E-27
Non-allergic asthma	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	0.002	0.036	0.960	0.014	52.543	TRUE	7.44E-13
Non-allergic asthma	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	0.057	0.035	0.105	0.015	56.822	TRUE	3.71E-13
Non-allergic asthma	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	0.009	0.017	0.612	0.036	138.804	TRUE	6.61E-31
Non-allergic asthma	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	-0.137	0.099	0.167	0.008	30.737	TRUE	9.98E-08
Non-allergic asthma	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.064	0.044	0.147	0.014	52.132	TRUE	3.10E-12
Non-allergic asthma	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	-0.004	0.064	0.950	0.008	30.488	TRUE	4.63E-08
Non-allergic asthma	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	0.011	0.017	0.504	0.009	32.948	TRUE	2.05E-08
Non-allergic asthma	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	-0.046	0.021	0.030	0.009	32.601	TRUE	6.84E-08
Non-allergic asthma	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	-0.002	0.017	0.916	0.011	41.116	TRUE	2.31E-10
Non-allergic asthma	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	0.022	0.016	0.171	0.012	46.247	TRUE	5.06E-11
Non-allergic asthma	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	0.075	0.016	2.34E-06	0.099	407.381	TRUE	2.15E-81
Non-allergic asthma	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	-0.036	0.035	0.299	0.011	40.532	TRUE	6.37E-10
Non-allergic asthma	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.042	0.030	0.168	0.017	64.042	TRUE	9.03E-15
Non-allergic asthma	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	-0.070	0.016	8.37E-06	0.009	31.956	TRUE	4.16E-07
Non-allergic asthma	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	-0.071	0.038	0.066	0.014	52.347	TRUE	3.91E-12
Non-allergic asthma	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	0.005	0.021	0.819	0.009	32.697	TRUE	1.71E-08
Non-allergic asthma	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	0.024	0.023	0.304	0.010	36.314	TRUE	5.03E-09
Non-allergic asthma	HEXB	cg03235083	rs11743615	T	C	-0.297	0.036	0.121	1.49E-16	-0.014	0.023	0.535	0.018	68.146	TRUE	5.84E-16
Non-allergic asthma	HEXB	cg03235083	rs13360054	G	A	0.225	0.025	0.310	1.87E-19	0.041	0.018	0.020	0.022	81.328	TRUE	5.86E-18

Non-allergic asthma	HEXB	cg03235083	rs62366376	C	T	-0.272	0.039	0.090	4.74E-12	-0.028	0.035	0.422	0.013	47.768	TRUE	1.51E-11
Non-allergic asthma	HEXB	cg03235083	rs71627068	C	T	-0.647	0.023	0.427	3.05E-176	-0.024	0.016	0.137	0.178	800.706	TRUE	2.70E-160
Non-allergic asthma	HEXB	cg05552569	rs71627068	C	T	-0.311	0.024	0.427	4.52E-39	-0.024	0.016	0.137	0.044	170.888	TRUE	6.25E-37
Non-allergic asthma	HEXB	cg08868930	rs55996695	A	G	-0.209	0.035	0.125	3.22E-09	-0.018	0.023	0.440	0.009	35.030	TRUE	7.87E-09
Non-allergic asthma	HEXB	cg08868930	rs820867	T	C	-0.292	0.024	0.426	2.55E-35	-0.025	0.016	0.118	0.040	153.722	TRUE	2.41E-33
Non-allergic asthma	HEXB	cg21230774	rs16872198	G	A	-0.223	0.030	0.171	1.85E-13	-0.002	0.022	0.916	0.014	54.132	TRUE	3.56E-13
Non-allergic asthma	HEXB	cg21230774	rs820871	T	C	0.412	0.026	0.256	4.90E-55	-0.031	0.019	0.101	0.062	244.015	TRUE	9.00E-52
Non-allergic asthma	HEXB	cg26333638	rs13181798	T	C	-0.168	0.027	0.237	9.06E-10	-0.036	0.017	0.039	0.010	37.497	TRUE	5.99E-09
Non-allergic asthma	HIP1	cg00361176	rs10277880	A	G	0.233	0.034	0.132	5.94E-12	-0.028	0.027	0.287	0.013	47.322	TRUE	2.33E-11
Non-allergic asthma	HIP1	cg00361176	rs4731235	G	C	-0.206	0.027	0.246	1.19E-14	-0.014	0.020	0.479	0.016	59.518	TRUE	4.34E-14
Non-allergic asthma	HIP1	cg01621268	rs1183821	G	A	-0.140	0.024	0.441	3.09E-09	-0.023	0.017	0.167	0.009	35.109	TRUE	1.17E-08
Non-allergic asthma	HIP1	cg05145297	rs10277880	A	G	0.397	0.034	0.132	2.04E-32	-0.028	0.027	0.287	0.037	140.451	TRUE	6.59E-31
Non-allergic asthma	HIP1	cg05145297	rs4731235	G	C	-0.272	0.027	0.246	1.82E-24	-0.014	0.020	0.479	0.027	104.158	TRUE	1.58E-23
Non-allergic asthma	HIP1	cg05857060	rs1183821	G	A	-0.189	0.024	0.441	9.12E-16	-0.023	0.017	0.167	0.017	64.577	TRUE	6.97E-15
Non-allergic asthma	HIP1	cg07211516	rs10247854	G	C	0.223	0.030	0.166	2.56E-13	-0.035	0.020	0.074	0.014	53.489	TRUE	2.15E-12
Non-allergic asthma	HIP1	cg07211516	rs10248736	A	G	-0.291	0.032	0.148	2.57E-19	0.005	0.029	0.867	0.021	80.697	TRUE	7.78E-19
Non-allergic asthma	HIP1	cg07211516	rs10273662	T	C	-0.235	0.032	0.145	1.96E-13	-0.032	0.024	0.188	0.014	54.011	TRUE	1.11E-12
Non-allergic asthma	HIP1	cg07211516	rs10277452	T	C	0.229	0.026	0.264	2.90E-18	-0.001	0.017	0.962	0.020	75.913	TRUE	7.17E-18
Non-allergic asthma	HIP1	cg07211516	rs12534422	T	C	-0.266	0.024	0.329	2.89E-28	-0.002	0.018	0.903	0.032	121.487	TRUE	1.68E-27
Non-allergic asthma	HIP1	cg07211516	rs2705777	A	G	0.127	0.023	0.489	4.55E-08	-0.008	0.016	0.626	0.008	29.882	TRUE	8.37E-08
Non-allergic asthma	HIP1	cg07211516	rs2705790	T	C	0.701	0.023	0.338	1.64E-199	0.010	0.016	0.537	0.197	907.682	TRUE	2.07E-181
Non-allergic asthma	HIP1	cg07211516	rs6948559	T	C	-0.276	0.040	0.087	3.91E-12	0.008	0.022	0.708	0.013	48.141	TRUE	8.74E-12
Non-allergic asthma	HIP1	cg07211516	rs7794510	T	C	-0.254	0.044	0.070	7.65E-09	-0.041	0.038	0.283	0.009	33.345	TRUE	2.24E-08
Non-allergic asthma	HIP1	cg07928105	rs10216078	T	C	-0.323	0.041	0.082	5.67E-15	0.034	0.036	0.353	0.016	60.980	TRUE	2.61E-14
Non-allergic asthma	HIP1	cg13702357	rs10236433	G	A	-0.391	0.053	0.050	2.29E-13	-0.090	0.037	0.016	0.014	53.707	TRUE	3.34E-12
Non-allergic asthma	HIP1	cg14177084	rs10230553	T	C	0.316	0.041	0.082	2.46E-14	0.032	0.036	0.381	0.015	58.096	TRUE	1.02E-13
Non-allergic asthma	HIP1	cg14177084	rs1183821	G	A	0.351	0.023	0.441	2.26E-51	-0.023	0.017	0.167	0.058	227.226	TRUE	1.47E-48
Non-allergic asthma	HIP1	cg14177084	rs62477719	A	G	-0.147	0.024	0.410	6.22E-10	0.013	0.016	0.401	0.010	38.231	TRUE	1.70E-09
Non-allergic asthma	HIP1	cg16561155	rs191266096	T	C	0.237	0.028	0.234	1.53E-17	0.006	0.018	0.725	0.019	72.634	TRUE	4.93E-17
Non-allergic asthma	HIP1	cg17787366	rs2079205	A	C	0.281	0.023	0.395	2.28E-33	-0.018	0.016	0.247	0.038	144.807	TRUE	9.40E-32
Non-allergic asthma	HIP1	cg18724912	rs10215166	C	A	0.309	0.042	0.080	1.09E-13	0.034	0.036	0.341	0.015	55.160	TRUE	4.58E-13
Non-allergic asthma	HIP1	cg18724912	rs10278376	T	G	-0.592	0.053	0.049	6.75E-29	-0.090	0.037	0.016	0.033	124.371	TRUE	8.75E-27
Non-allergic asthma	HIP1	cg19507725	rs12154679	T	C	0.441	0.031	0.152	5.31E-45	-0.001	0.023	0.970	0.051	198.035	TRUE	1.46E-43
Non-allergic asthma	HIP1	cg22605936	rs2696207	G	A	0.168	0.025	0.340	1.04E-11	0.010	0.016	0.508	0.012	46.229	TRUE	2.86E-11
Non-allergic asthma	HIP1	cg23657377	rs10230553	T	C	-0.364	0.041	0.082	5.91E-19	0.032	0.036	0.381	0.021	79.056	TRUE	3.72E-18
Non-allergic asthma	HIP1	cg23657377	rs6945947	C	T	-0.141	0.025	0.327	9.89E-09	-0.012	0.017	0.486	0.009	32.846	TRUE	2.21E-08
Non-allergic asthma	HIP1	cg26406292	rs10247961	T	C	-0.259	0.033	0.145	6.01E-15	-0.015	0.029	0.607	0.016	60.865	TRUE	1.87E-14
Non-allergic asthma	HIP1	cg26406292	rs13228140	G	C	0.159	0.025	0.347	8.00E-11	0.007	0.017	0.690	0.011	42.234	TRUE	1.67E-10
Non-allergic asthma	HIP1	cg27531731	rs10261914	A	G	-0.291	0.032	0.146	1.84E-19	-0.032	0.024	0.188	0.022	81.364	TRUE	1.95E-18
Non-allergic asthma	HIP1	cg27531731	rs2079205	A	C	-0.171	0.024	0.395	7.50E-13	-0.018	0.016	0.247	0.014	51.380	TRUE	3.47E-12
Non-allergic asthma	HIPK2	cg00363312	rs10247507	A	G	0.230	0.034	0.140	1.18E-11	-0.008	0.020	0.704	0.012	45.973	TRUE	2.57E-11
Non-allergic asthma	HIPK2	cg00363312	rs10954651	G	T	-0.353	0.034	0.335	9.22E-26	0.037	0.017	0.026	0.029	110.062	TRUE	6.01E-24

Non-allergic asthma	HIPK2	cg00363312	rs7781224	G	T	0.198	0.032	0.165	7.97E-10	-0.002	0.019	0.917	0.010	37.748	TRUE	1.24E-09
Non-allergic asthma	HIPK2	cg01581050	rs74531640	G	A	-0.733	0.100	0.016	2.33E-13	-0.055	0.074	0.459	0.014	53.674	TRUE	7.84E-13
Non-allergic asthma	HIPK2	cg03202545	rs10954654	T	C	0.194	0.027	0.264	4.83E-13	0.046	0.018	0.010	0.014	52.244	TRUE	7.64E-12
Non-allergic asthma	HIPK2	cg03224163	rs1860509	G	T	-0.183	0.030	0.184	7.81E-10	-0.029	0.019	0.140	0.010	37.787	TRUE	3.39E-09
Non-allergic asthma	HIPK2	cg03369382	rs11769961	C	A	-0.164	0.030	0.190	4.35E-08	-0.032	0.019	0.090	0.008	29.972	TRUE	1.78E-07
Non-allergic asthma	HIPK2	cg03520802	rs193076588	G	C	-0.536	0.085	0.020	2.61E-10	-0.073	0.079	0.354	0.011	39.925	TRUE	7.88E-10
Non-allergic asthma	HIPK2	cg03520802	rs73156837	A	G	-1.758	0.098	0.017	1.17E-71	-0.061	0.074	0.408	0.080	320.261	TRUE	6.47E-68
Non-allergic asthma	HIPK2	cg11032313	rs4074827	A	G	-0.401	0.031	0.162	7.58E-38	-0.028	0.021	0.180	0.043	165.285	TRUE	7.14E-36
Non-allergic asthma	HIPK2	cg11627968	rs10247507	A	G	-1.225	0.027	0.140	<1E-200	-0.008	0.020	0.704	0.353	2022.154	TRUE	<1E-200
Non-allergic asthma	HIPK2	cg11627968	rs10262234	C	T	-0.200	0.030	0.199	4.54E-11	0.020	0.020	0.330	0.012	43.343	TRUE	1.52E-10
Non-allergic asthma	HIPK2	cg11627968	rs10954651	G	T	0.242	0.034	0.335	1.15E-12	0.037	0.017	0.026	0.013	50.543	TRUE	1.28E-11
Non-allergic asthma	HIPK2	cg11627968	rs10954654	T	C	-0.315	0.027	0.264	4.33E-32	0.046	0.018	0.010	0.036	138.961	TRUE	1.10E-29
Non-allergic asthma	HIPK2	cg11627968	rs113802739	G	T	-1.091	0.177	0.011	7.84E-10	-0.072	0.042	0.083	0.010	37.780	TRUE	4.12E-09
Non-allergic asthma	HIPK2	cg11627968	rs185429996	A	G	-1.091	0.095	0.027	9.60E-31	0.100	0.043	0.020	0.035	132.810	TRUE	1.43E-28
Non-allergic asthma	HIPK2	cg11627968	rs2530731	C	G	-0.217	0.027	0.238	4.71E-16	0.030	0.019	0.102	0.017	65.879	TRUE	4.75E-15
Non-allergic asthma	HIPK2	cg11627968	rs4725857	T	C	0.182	0.023	0.477	6.08E-15	-0.001	0.016	0.963	0.016	60.844	TRUE	1.21E-14
Non-allergic asthma	HIPK2	cg11627968	rs4732386	C	T	0.178	0.032	0.420	1.65E-08	-0.019	0.016	0.249	0.009	31.857	TRUE	4.93E-08
Non-allergic asthma	HIPK2	cg11627968	rs7781224	G	T	-0.694	0.031	0.165	1.93E-109	-0.002	0.019	0.917	0.118	493.724	TRUE	2.96E-103
Non-allergic asthma	HIPK2	cg11627968	rs7785404	T	C	-0.265	0.026	0.298	5.99E-25	0.004	0.018	0.828	0.028	106.354	TRUE	2.98E-24
Non-allergic asthma	HIPK2	cg11627968	rs7785516	C	T	0.301	0.054	0.117	2.45E-08	-0.002	0.031	0.956	0.008	31.082	TRUE	3.42E-08
Non-allergic asthma	HIPK2	cg11627968	rs7788362	A	G	-0.459	0.040	0.089	6.02E-30	-0.031	0.023	0.172	0.034	129.167	TRUE	2.21E-28
Non-allergic asthma	HIPK2	cg14405813	rs10277664	T	C	0.212	0.024	0.404	4.06E-19	0.000	0.017	0.981	0.021	79.799	TRUE	1.03E-18
Non-allergic asthma	HIPK2	cg14405813	rs116909157	A	G	-0.634	0.098	0.014	9.17E-11	0.022	0.052	0.669	0.011	41.969	TRUE	1.94E-10
Non-allergic asthma	HIPK2	cg14405813	rs117869586	C	T	-0.538	0.069	0.026	5.91E-15	0.060	0.067	0.370	0.016	60.899	TRUE	2.64E-14
Non-allergic asthma	HIPK2	cg14405813	rs12703062	C	T	-0.720	0.029	0.184	9.95E-135	-0.031	0.019	0.102	0.142	609.906	TRUE	5.26E-124
Non-allergic asthma	HIPK2	cg14405813	rs1978180	T	C	-0.244	0.035	0.136	1.73E-12	-0.013	0.022	0.565	0.013	49.745	TRUE	4.70E-12
Non-allergic asthma	HIPK2	cg14405813	rs68067734	G	C	-0.612	0.095	0.014	9.44E-11	-0.007	0.096	0.941	0.011	41.912	TRUE	1.51E-10
Non-allergic asthma	HIPK2	cg14630106	rs12707451	C	T	0.145	0.024	0.472	1.35E-09	-0.003	0.016	0.838	0.010	36.726	TRUE	2.23E-09
Non-allergic asthma	HIPK2	cg14630106	rs150564919	G	A	-0.536	0.071	0.029	5.87E-14	-0.082	0.054	0.131	0.015	56.385	TRUE	4.16E-13
Non-allergic asthma	HIPK2	cg14630106	rs73486021	C	A	-0.500	0.042	0.089	6.84E-33	0.048	0.026	0.062	0.037	142.623	TRUE	7.27E-31
Non-allergic asthma	HIPK2	cg14630106	rs9718393	G	C	-0.600	0.025	0.313	4.17E-132	-0.040	0.016	0.014	0.139	597.855	TRUE	1.14E-120
Non-allergic asthma	HIPK2	cg15039797	rs112288696	C	T	-0.177	0.030	0.182	5.79E-09	-0.062	0.018	6.46E-04	0.009	33.887	TRUE	8.57E-08
Non-allergic asthma	HIPK2	cg15039797	rs41274212	C	T	-0.990	0.038	0.096	8.98E-152	-0.027	0.022	0.226	0.157	688.234	TRUE	1.67E-139
Non-allergic asthma	HIPK2	cg15039797	rs7801393	C	T	0.195	0.030	0.195	6.82E-11	-0.003	0.018	0.853	0.011	42.546	TRUE	1.20E-10
Non-allergic asthma	HIPK2	cg15535471	rs1464798	A	G	0.278	0.032	0.453	3.57E-18	0.009	0.016	0.571	0.020	75.504	TRUE	1.51E-17
Non-allergic asthma	HIPK2	cg18993778	rs10235001	T	C	-1.474	0.033	0.085	<1E-200	-0.031	0.023	0.173	0.347	1966.070	TRUE	<1E-200
Non-allergic asthma	HIPK2	cg18993778	rs10247507	A	G	-0.313	0.034	0.140	2.92E-20	-0.008	0.020	0.704	0.022	84.997	TRUE	1.20E-19
Non-allergic asthma	HIPK2	cg18993778	rs139128188	C	T	-1.175	0.161	0.013	2.42E-13	0.076	0.041	0.067	0.014	53.604	TRUE	2.11E-12
Non-allergic asthma	HIPK2	cg18993778	rs4732393	C	T	0.212	0.034	0.335	5.78E-10	0.026	0.017	0.126	0.010	38.374	TRUE	2.65E-09
Non-allergic asthma	HIPK2	cg18993778	rs78068411	T	C	-0.489	0.053	0.097	4.05E-20	0.032	0.022	0.149	0.022	84.350	TRUE	5.30E-19
Non-allergic asthma	HIPK2	cg18993778	rs9801309	C	T	-0.231	0.042	0.188	2.60E-08	0.002	0.020	0.903	0.008	30.966	TRUE	3.79E-08
Non-allergic asthma	HIPK2	cg19246654	rs10276928	T	C	-0.784	0.038	0.097	4.51E-93	-0.025	0.022	0.258	0.102	418.547	TRUE	2.83E-87

Non-allergic asthma	HIPK2	cg19246654	rs78068411	T	C	-0.295	0.054	0.097	3.62E-08	0.032	0.022	0.149	0.008	30.327	TRUE	1.27E-07
Non-allergic asthma	HIPK2	cg22164250	rs6952940	T	C	-0.451	0.082	0.020	4.40E-08	-0.107	0.075	0.156	0.008	29.950	TRUE	1.51E-07
Non-allergic asthma	HIPK2	cg22164250	rs73156853	G	C	-1.304	0.100	0.016	8.53E-39	-0.055	0.074	0.457	0.044	169.627	TRUE	3.59E-37
Non-allergic asthma	HIPK2	cg23646343	rs1464798	A	G	0.455	0.032	0.453	7.81E-47	0.009	0.016	0.571	0.053	206.428	TRUE	6.57E-45
Non-allergic asthma	HIPK2	cg23646343	rs6974895	G	C	-0.221	0.035	0.146	1.87E-10	-0.014	0.019	0.468	0.011	40.573	TRUE	4.91E-10
Non-allergic asthma	HIPK2	cg23999318	rs1464798	A	G	0.258	0.032	0.453	1.00E-15	0.009	0.016	0.571	0.017	64.390	TRUE	3.48E-15
Non-allergic asthma	HIPK2	cg24038192	rs10241798	C	T	-0.503	0.037	0.110	6.04E-42	-0.031	0.022	0.149	0.047	184.042	TRUE	1.14E-39
Non-allergic asthma	HIPK2	cg24540732	rs73156838	C	T	-1.177	0.098	0.017	5.50E-33	-0.057	0.074	0.444	0.037	143.055	TRUE	1.24E-31
Non-allergic asthma	HPS6	cg00857846	rs11191203	T	C	-0.285	0.030	0.188	6.34E-22	0.002	0.021	0.929	0.024	92.568	TRUE	2.13E-21
Non-allergic asthma	HPS6	cg06286028	rs11191203	T	C	0.241	0.030	0.188	4.97E-16	0.002	0.021	0.929	0.017	65.773	TRUE	1.11E-15
Non-allergic asthma	HPS6	cg10191772	rs145175060	G	T	0.682	0.081	0.024	3.88E-17	-0.026	0.164	0.872	0.019	70.801	TRUE	9.98E-17
Non-allergic asthma	HPS6	cg14124646	rs10786628	C	T	0.247	0.024	0.335	4.19E-24	-0.016	0.017	0.350	0.027	102.501	TRUE	4.65E-23
Non-allergic asthma	HPS6	cg14124646	rs11190936	A	G	-0.221	0.024	0.462	1.11E-20	0.013	0.016	0.402	0.023	86.902	TRUE	7.91E-20
Non-allergic asthma	HPS6	cg14124646	rs11191183	G	A	0.699	0.080	0.021	2.88E-18	-0.012	0.057	0.827	0.020	75.927	TRUE	8.53E-18
Non-allergic asthma	HPS6	cg14124646	rs11191191	A	G	0.848	0.029	0.185	1.13E-190	0.001	0.021	0.960	0.190	867.054	TRUE	9.63E-175
Non-allergic asthma	HPS6	cg14124646	rs114127273	G	A	0.527	0.094	0.018	2.23E-08	-0.051	0.046	0.258	0.008	31.268	TRUE	6.49E-08
Non-allergic asthma	HPS6	cg14124646	rs12768561	T	C	-0.269	0.026	0.293	1.01E-25	-0.020	0.018	0.259	0.029	109.876	TRUE	1.69E-24
Non-allergic asthma	HPS6	cg14124646	rs12771487	C	T	-0.143	0.026	0.288	3.36E-08	0.019	0.017	0.252	0.008	30.472	TRUE	9.71E-08
Non-allergic asthma	HPS6	cg14124646	rs138649138	T	C	0.747	0.062	0.037	3.54E-33	-0.034	0.052	0.516	0.037	143.930	TRUE	6.88E-32
Non-allergic asthma	HPS6	cg14124646	rs142244024	G	C	0.631	0.082	0.024	1.86E-14	-0.098	0.040	0.014	0.016	58.639	TRUE	3.28E-13
Non-allergic asthma	HPS6	cg14124646	rs148990403	G	A	0.623	0.084	0.021	8.83E-14	-0.072	0.076	0.344	0.015	55.582	TRUE	3.70E-13
Non-allergic asthma	HPS6	cg14124646	rs1536309	G	A	-0.211	0.025	0.379	1.16E-17	0.020	0.017	0.223	0.019	73.177	TRUE	9.22E-17
Non-allergic asthma	HPS6	cg14124646	rs1933966	G	A	0.191	0.032	0.160	2.39E-09	0.003	0.022	0.904	0.010	35.607	TRUE	3.68E-09
Non-allergic asthma	HPS6	cg14124646	rs2025106	C	T	-0.169	0.025	0.322	1.00E-11	-0.014	0.017	0.413	0.012	46.294	TRUE	3.15E-11
Non-allergic asthma	HPS6	cg14124646	rs2735421	T	G	-0.298	0.025	0.316	2.61E-32	0.010	0.017	0.547	0.036	139.964	TRUE	4.34E-31
Non-allergic asthma	HPS6	cg14124646	rs45487496	A	C	0.523	0.069	0.028	3.27E-14	0.060	0.041	0.147	0.015	57.536	TRUE	2.26E-13
Non-allergic asthma	HPS6	cg14124646	rs600953	T	G	-0.185	0.027	0.268	4.05E-12	0.019	0.019	0.326	0.013	48.073	TRUE	1.51E-11
Non-allergic asthma	HPS6	cg14124646	rs674331	T	C	-0.148	0.024	0.382	1.25E-09	0.006	0.017	0.729	0.010	36.875	TRUE	2.30E-09
Non-allergic asthma	HPS6	cg14124646	rs7915239	G	A	0.196	0.033	0.149	1.88E-09	0.005	0.023	0.842	0.010	36.073	TRUE	3.08E-09
Non-allergic asthma	HSPA1B	cg04835051	rs1049709	C	T	0.271	0.031	0.170	2.85E-18	0.065	0.024	0.006	0.020	75.947	TRUE	1.19E-16
Non-allergic asthma	HSPA1B	cg04835051	rs2523834	A	T	0.155	0.025	0.334	7.57E-10	-0.037	0.017	0.028	0.010	37.848	TRUE	5.60E-09
Non-allergic asthma	HSPA1B	cg04835051	rs2596464	T	C	-0.179	0.023	0.464	2.66E-14	-0.057	0.016	3.36E-04	0.015	57.939	TRUE	1.25E-12
Non-allergic asthma	HSPA1B	cg04835051	rs2763979	T	C	0.352	0.025	0.351	1.24E-46	-0.043	0.016	0.006	0.053	205.512	TRUE	3.99E-43
Non-allergic asthma	HSPA1B	cg04835051	rs41558815	A	G	-0.285	0.052	0.058	4.06E-08	-0.032	0.032	0.309	0.008	30.102	TRUE	1.07E-07
Non-allergic asthma	HSPA1B	cg04835051	rs9268199	G	A	-0.208	0.030	0.198	2.01E-12	-0.010	0.020	0.634	0.013	49.445	TRUE	5.00E-12
Non-allergic asthma	HSPA1B	cg04835051	rs9276576	G	A	0.189	0.029	0.215	3.42E-11	0.007	0.020	0.708	0.012	43.898	TRUE	7.16E-11
Non-allergic asthma	HSPA1B	cg13911590	rs12524467	A	G	0.470	0.079	0.024	2.47E-09	-0.001	0.051	0.981	0.010	35.547	TRUE	3.53E-09
Non-allergic asthma	HSPA1B	cg16372051	rs1049709	C	T	0.230	0.031	0.170	1.29E-13	0.065	0.024	0.006	0.015	54.842	TRUE	2.63E-12
Non-allergic asthma	HSPA1B	cg16372051	rs144223778	C	G	0.408	0.065	0.033	2.55E-10	0.038	0.043	0.377	0.011	39.972	TRUE	7.44E-10
Non-allergic asthma	HSPA1B	cg16372051	rs2596464	T	C	-0.201	0.023	0.464	8.99E-18	-0.057	0.016	3.36E-04	0.020	73.684	TRUE	7.87E-16
Non-allergic asthma	HSPA1B	cg16372051	rs2763979	T	C	0.376	0.024	0.351	3.17E-53	-0.043	0.016	0.006	0.060	235.716	TRUE	3.15E-49
Non-allergic asthma	HSPA1B	cg16372051	rs9276577	G	A	0.209	0.029	0.202	9.29E-13	0.009	0.020	0.659	0.014	50.961	TRUE	2.30E-12

Non-allergic asthma	HSPA1B	cg19159162	rs6457452	T	C	-0.301	0.051	0.052	3.93E-09	0.016	0.040	0.686	0.009	34.641	TRUE	7.33E-09
Non-allergic asthma	HSPA1B	cg19754746	rs35009002	C	A	-0.427	0.078	0.023	3.96E-08	0.033	0.044	0.457	0.008	30.154	TRUE	8.68E-08
Non-allergic asthma	HSPA1B	cg21080034	rs116383515	C	T	0.265	0.048	0.062	4.73E-08	-0.070	0.042	0.098	0.008	29.807	TRUE	1.88E-07
Non-allergic asthma	HSPA1B	cg21080034	rs2272592	T	C	-0.164	0.029	0.197	1.59E-08	-0.010	0.021	0.639	0.009	31.921	TRUE	2.98E-08
Non-allergic asthma	HSPA1B	cg21080034	rs385306	A	G	0.268	0.028	0.217	2.30E-21	-0.074	0.016	5.71E-06	0.024	90.024	TRUE	1.06E-18
Non-allergic asthma	HSPA1B	cg21080034	rs760294	A	C	0.229	0.037	0.104	7.83E-10	0.000	0.021	0.991	0.010	37.781	TRUE	1.14E-09
Non-allergic asthma	HSPA1B	cg21080034	rs9267661	T	C	0.655	0.095	0.015	4.66E-12	-0.135	0.090	0.136	0.013	47.798	TRUE	2.63E-11
Non-allergic asthma	HSPA1B	cg21080034	rs9469089	C	G	0.192	0.033	0.144	5.46E-09	-0.065	0.019	5.60E-04	0.009	34.000	TRUE	8.34E-08
Non-allergic asthma	HSPA1B	cg24239961	rs1049709	C	T	0.380	0.031	0.170	1.10E-34	0.065	0.024	0.006	0.039	150.827	TRUE	5.45E-32
Non-allergic asthma	HSPA1B	cg24239961	rs11576013	C	G	-0.513	0.089	0.021	7.06E-09	-0.055	0.045	0.227	0.009	33.500	TRUE	2.28E-08
Non-allergic asthma	HSPA1B	cg24239961	rs1264309	G	A	-0.139	0.025	0.334	2.80E-08	-0.048	0.016	0.003	0.008	30.827	TRUE	2.76E-07
Non-allergic asthma	HSPA1B	cg24239961	rs1419881	A	G	0.201	0.023	0.488	7.13E-18	0.039	0.016	0.013	0.020	74.139	TRUE	2.11E-16
Non-allergic asthma	HSPA1B	cg24239961	rs144223778	C	G	0.470	0.065	0.033	3.18E-13	0.038	0.043	0.377	0.014	53.065	TRUE	1.20E-12
Non-allergic asthma	HSPA1B	cg24239961	rs17207748	C	T	0.306	0.054	0.047	1.74E-08	-0.064	0.035	0.064	0.009	31.747	TRUE	8.37E-08
Non-allergic asthma	HSPA1B	cg24239961	rs2243873	C	A	0.192	0.024	0.459	7.81E-16	-0.024	0.016	0.125	0.017	64.882	TRUE	6.96E-15
Non-allergic asthma	HSPA1B	cg24239961	rs2523834	A	T	0.265	0.025	0.334	3.61E-26	-0.037	0.017	0.028	0.029	111.920	TRUE	2.43E-24
Non-allergic asthma	HSPA1B	cg24239961	rs2596464	T	C	-0.225	0.023	0.464	7.03E-22	-0.057	0.016	3.36E-04	0.024	92.365	TRUE	1.26E-19
Non-allergic asthma	HSPA1B	cg24239961	rs2736165	G	A	0.409	0.060	0.041	8.07E-12	0.109	0.098	0.264	0.012	46.724	TRUE	3.26E-11
Non-allergic asthma	HSPA1B	cg24239961	rs2763979	T	C	0.625	0.024	0.351	2.77E-152	-0.043	0.016	0.006	0.157	690.581	TRUE	6.20E-138
Non-allergic asthma	HSPA1B	cg24239961	rs909253	G	A	0.180	0.024	0.360	1.68E-13	0.046	0.017	0.006	0.014	54.320	TRUE	3.39E-12
Non-allergic asthma	HSPA1B	cg24239961	rs9268199	G	A	-0.269	0.030	0.198	8.53E-20	-0.010	0.020	0.634	0.022	82.879	TRUE	3.75E-19
Non-allergic asthma	HSPA1B	cg24239961	rs9276577	G	A	0.321	0.029	0.202	2.19E-28	0.009	0.020	0.659	0.032	122.042	TRUE	1.97E-27
Non-allergic asthma	IFI27	cg10778971	rs7143873	A	T	-0.170	0.027	0.259	1.50E-10	0.009	0.017	0.574	0.011	41.006	TRUE	3.48E-10
Non-allergic asthma	IFI27	cg14352715	rs2239645	A	G	0.388	0.068	0.059	9.47E-09	-0.066	0.030	0.029	0.009	32.930	TRUE	5.92E-08
Non-allergic asthma	IFI27	cg18443806	rs147640979	G	A	-1.940	0.098	0.012	1.75E-87	-0.236	0.126	0.060	0.096	392.891	TRUE	2.02E-81
Non-allergic asthma	IFI27	cg18443806	rs2145496	C	T	-0.519	0.079	0.021	4.99E-11	-0.099	0.115	0.390	0.012	43.158	TRUE	1.52E-10
Non-allergic asthma	IFI27	cg18443806	rs28373907	C	T	-0.176	0.032	0.149	4.88E-08	0.003	0.024	0.910	0.008	29.746	TRUE	6.97E-08
Non-allergic asthma	IFI27	cg18443806	rs4905163	G	A	0.129	0.023	0.496	3.66E-08	0.029	0.016	0.077	0.008	30.306	TRUE	1.59E-07
Non-allergic asthma	IFI27	cg23038560	rs7141881	A	G	-0.287	0.024	0.379	1.19E-33	0.026	0.016	0.093	0.038	146.095	TRUE	1.07E-31
Non-allergic asthma	IKBKE	cg11166312	rs11576885	G	C	-0.173	0.024	0.377	7.46E-13	-0.020	0.017	0.226	0.014	51.391	TRUE	3.61E-12
Non-allergic asthma	IKBKE	cg11166312	rs2026081	C	T	0.212	0.030	0.185	1.47E-12	-0.021	0.018	0.239	0.013	50.060	TRUE	6.72E-12
Non-allergic asthma	IKBKE	cg11166312	rs2151222	G	A	0.474	0.027	0.248	1.74E-71	0.041	0.018	0.019	0.079	319.464	TRUE	2.33E-66
Non-allergic asthma	IKBKE	cg11739399	rs2483064	G	A	0.163	0.027	0.257	2.25E-09	-0.020	0.017	0.248	0.010	35.725	TRUE	7.36E-09
Non-allergic asthma	IKBKE	cg11739399	rs4532836	G	A	0.812	0.105	0.028	1.09E-14	-0.017	0.041	0.683	0.016	59.697	TRUE	3.00E-14
Non-allergic asthma	IKBKE	cg11739399	rs4844539	A	G	-0.315	0.023	0.461	4.25E-41	-0.038	0.016	0.017	0.046	180.162	TRUE	3.20E-38
Non-allergic asthma	IKBKE	cg16619193	rs1539243	T	C	-0.236	0.033	0.157	3.90E-13	0.028	0.021	0.171	0.014	52.665	TRUE	2.23E-12
Non-allergic asthma	IKBKE	cg20530056	rs1539243	T	C	-0.182	0.033	0.157	2.16E-08	0.028	0.021	0.171	0.008	31.332	TRUE	7.39E-08
Non-allergic asthma	IKBKE	cg20530056	rs2297550	G	C	0.366	0.035	0.131	1.88E-25	0.021	0.024	0.381	0.029	108.650	TRUE	2.22E-24
Non-allergic asthma	IKBKE	cg20530056	rs3813981	C	T	-0.159	0.024	0.436	2.51E-11	-0.015	0.016	0.342	0.012	44.504	TRUE	8.45E-11
Non-allergic asthma	IKBKE	cg26859016	rs2297550	G	C	0.379	0.035	0.131	4.04E-27	0.021	0.024	0.381	0.030	116.258	TRUE	5.67E-26
Non-allergic asthma	IKBKE	cg26859016	rs3813981	C	T	-0.180	0.024	0.436	4.03E-14	-0.015	0.016	0.342	0.015	57.123	TRUE	1.75E-13
Non-allergic asthma	IL10RA	cg00467529	rs2282493	T	C	-0.349	0.050	0.049	4.20E-12	0.013	0.033	0.691	0.013	48.003	TRUE	9.54E-12

Non-allergic asthma	IL10RA	cg01697865	rs2228054	A	G	0.302	0.052	0.049	5.91E-09	0.020	0.034	0.549	0.009	33.846	TRUE	1.25E-08
Non-allergic asthma	IL10RA	cg07540983	rs4252253	A	C	-0.199	0.031	0.169	2.00E-10	0.026	0.020	0.209	0.011	40.443	TRUE	7.87E-10
Non-allergic asthma	IL10RA	cg10145584	rs624931	C	T	-0.163	0.028	0.227	8.18E-09	-0.045	0.019	0.019	0.009	33.214	TRUE	5.77E-08
Non-allergic asthma	IL10RA	cg26661481	rs11216669	T	C	0.367	0.049	0.053	5.48E-14	0.025	0.031	0.417	0.015	56.519	TRUE	2.07E-13
Non-allergic asthma	IL4R	cg01165142	rs2057768	T	C	0.144	0.025	0.311	1.23E-08	0.043	0.018	0.017	0.009	32.418	TRUE	8.62E-08
Non-allergic asthma	IL4R	cg26937798	rs12445654	A	G	-0.241	0.043	0.076	2.69E-08	-0.015	0.026	0.565	0.008	30.906	TRUE	5.33E-08
Non-allergic asthma	IL4R	cg26937798	rs1805012	C	T	-0.264	0.038	0.100	2.88E-12	-0.014	0.026	0.577	0.013	48.743	TRUE	7.58E-12
Non-allergic asthma	IL4R	cg26937798	rs6498011	A	G	0.427	0.023	0.402	2.52E-74	0.034	0.016	0.038	0.082	332.487	TRUE	3.23E-69
Non-allergic asthma	IL4R	cg26937798	rs8044444	T	C	-0.471	0.032	0.147	3.86E-48	0.014	0.025	0.585	0.054	212.413	TRUE	3.70E-46
Non-allergic asthma	IL6R	cg05756780	rs4133213	A	C	0.151	0.024	0.424	2.62E-10	0.027	0.017	0.116	0.011	39.916	TRUE	1.29E-09
Non-allergic asthma	IL6R	cg05756780	rs6427641	G	A	0.172	0.024	0.429	4.51E-13	-0.010	0.016	0.512	0.014	52.382	TRUE	1.37E-12
Non-allergic asthma	IL6R	cg06980173	rs12075836	T	C	-0.194	0.032	0.152	1.47E-09	0.036	0.023	0.116	0.010	36.556	TRUE	6.64E-09
Non-allergic asthma	IL6R	cg06980173	rs4845619	T	G	-0.136	0.024	0.436	1.08E-08	-0.030	0.016	0.053	0.009	32.676	TRUE	5.63E-08
Non-allergic asthma	IL6R	cg13549904	rs114660934	A	G	-0.371	0.066	0.036	2.01E-08	-0.051	0.041	0.214	0.008	31.464	TRUE	6.36E-08
Non-allergic asthma	IL6R	cg13549904	rs1889312	A	G	0.132	0.024	0.436	2.43E-08	0.023	0.016	0.141	0.008	31.096	TRUE	8.90E-08
Non-allergic asthma	IL6R	cg13549904	rs55668699	A	T	-0.391	0.028	0.225	6.03E-44	-0.009	0.016	0.576	0.050	193.205	TRUE	3.49E-42
Non-allergic asthma	IL6R	cg15633035	rs41304552	T	C	0.442	0.063	0.035	3.01E-12	-0.033	0.068	0.632	0.013	48.657	TRUE	7.40E-12
Non-allergic asthma	IL6R	cg17001401	rs12739228	A	G	0.578	0.063	0.033	2.44E-20	-0.068	0.032	0.033	0.023	85.352	TRUE	6.95E-19
Non-allergic asthma	IL6R	cg20688791	rs11265611	G	A	-0.189	0.024	0.409	3.77E-15	-0.037	0.016	0.020	0.016	61.783	TRUE	6.56E-14
Non-allergic asthma	IL6R	cg21262032	rs10796927	C	T	0.170	0.026	0.290	6.45E-11	0.015	0.017	0.393	0.011	42.656	TRUE	1.94E-10
Non-allergic asthma	IL6R	cg21262032	rs11577167	T	C	-0.448	0.069	0.028	7.08E-11	-0.027	0.066	0.680	0.011	42.473	TRUE	1.50E-10
Non-allergic asthma	IL6R	cg21262032	rs12023772	A	G	0.180	0.032	0.157	2.82E-08	0.024	0.027	0.371	0.008	30.811	TRUE	6.94E-08
Non-allergic asthma	IL6R	cg21262032	rs144029367	C	T	-0.553	0.095	0.020	5.14E-09	0.038	0.043	0.375	0.009	34.117	TRUE	1.34E-08
Non-allergic asthma	IL6R	cg21262032	rs1685627	A	G	-0.171	0.024	0.400	1.32E-12	0.018	0.016	0.262	0.013	50.271	TRUE	5.78E-12
Non-allergic asthma	IL6R	cg21262032	rs1889312	A	G	0.183	0.024	0.436	1.66E-14	0.023	0.016	0.141	0.016	58.865	TRUE	1.21E-13
Non-allergic asthma	IL6R	cg21262032	rs35013837	T	C	0.273	0.044	0.142	3.35E-10	-0.004	0.021	0.861	0.011	39.440	TRUE	5.63E-10
Non-allergic asthma	IL6R	cg21262032	rs60517797	C	T	-0.247	0.040	0.100	8.12E-10	-0.016	0.026	0.543	0.010	37.712	TRUE	1.85E-09
Non-allergic asthma	IL6R	cg21262032	rs6427672	C	T	-0.731	0.027	0.233	2.86E-164	-0.010	0.017	0.541	0.168	745.675	TRUE	3.40E-151
Non-allergic asthma	IL6R	cg21262032	rs79480105	A	G	-0.599	0.069	0.033	2.77E-18	-0.044	0.041	0.292	0.020	76.009	TRUE	1.97E-17
Non-allergic asthma	IL6R	cg21262032	rs9427103	G	A	-0.217	0.031	0.175	1.69E-12	-0.009	0.018	0.605	0.013	49.788	TRUE	4.37E-12
Non-allergic asthma	IL6R	cg25135018	rs6427672	C	T	-0.246	0.028	0.233	7.14E-19	-0.010	0.017	0.541	0.021	78.682	TRUE	3.37E-18
Non-allergic asthma	IREB2	cg13714459	rs2656065	A	G	0.303	0.025	0.330	1.07E-33	0.047	0.017	0.005	0.038	146.300	TRUE	4.67E-31
Non-allergic asthma	IREB2	cg18825076	rs1052035	C	T	-0.634	0.075	0.056	1.76E-17	0.085	0.054	0.111	0.019	72.363	TRUE	2.00E-16
Non-allergic asthma	IREB2	cg18825076	rs117756166	C	T	-0.552	0.053	0.047	1.83E-25	-0.024	0.034	0.478	0.029	108.705	TRUE	1.76E-24
Non-allergic asthma	IREB2	cg18825076	rs12592823	A	G	0.369	0.044	0.085	2.21E-17	-0.028	0.022	0.207	0.019	71.906	TRUE	1.78E-16
Non-allergic asthma	IREB2	cg18825076	rs12913946	T	C	-0.219	0.028	0.235	3.91E-15	0.007	0.019	0.722	0.016	61.712	TRUE	1.06E-14
Non-allergic asthma	IREB2	cg18825076	rs1994016	T	C	-0.301	0.024	0.433	2.60E-37	0.043	0.017	0.012	0.042	162.836	TRUE	1.35E-34
Non-allergic asthma	IREB2	cg18825076	rs2229961	A	G	-0.763	0.130	0.018	3.99E-09	0.216	0.158	0.171	0.009	34.612	TRUE	1.48E-08
Non-allergic asthma	IREB2	cg18825076	rs2869030	G	T	0.579	0.028	0.237	7.27E-98	-0.032	0.018	0.072	0.106	440.556	TRUE	6.49E-91
Non-allergic asthma	IREB2	cg18825076	rs4887024	T	C	0.141	0.024	0.416	4.02E-09	0.005	0.016	0.756	0.009	34.596	TRUE	7.00E-09
Non-allergic asthma	IREB2	cg18825076	rs551411733	T	C	0.567	0.086	0.022	4.01E-11	-0.011	0.041	0.781	0.012	43.584	TRUE	7.74E-11
Non-allergic asthma	IREB2	cg18825076	rs72736802	T	A	-0.897	0.021	0.344	<1E-200	0.047	0.017	0.005	0.326	1791.058	TRUE	<1E-200

Non-allergic asthma	IREB2	cg18825076	rs76161838	T	C	-0.539	0.088	0.022	8.14E-10	-0.048	0.045	0.291	0.010	37.706	TRUE	2.59E-09
Non-allergic asthma	IREB2	cg18825076	rs76474922	C	A	0.507	0.044	0.079	2.03E-31	-0.020	0.029	0.492	0.035	135.893	TRUE	3.46E-30
Non-allergic asthma	IREB2	cg18825076	rs79045860	G	A	0.264	0.033	0.147	8.02E-16	-0.037	0.026	0.152	0.017	64.830	TRUE	6.48E-15
Non-allergic asthma	IREB2	cg19941054	rs2089162	G	A	0.281	0.025	0.322	5.50E-29	0.049	0.017	0.004	0.033	124.777	TRUE	1.40E-26
Non-allergic asthma	IRF1	cg00255919	rs10064128	G	A	-0.463	0.023	0.499	9.02E-89	-0.024	0.016	0.130	0.097	398.799	TRUE	5.78E-83
Non-allergic asthma	IRF1	cg00255919	rs11242110	G	T	0.534	0.023	0.468	1.11E-120	0.037	0.016	0.019	0.128	545.356	TRUE	1.01E-110
Non-allergic asthma	IRF1	cg00255919	rs115035509	G	C	-0.294	0.052	0.065	2.00E-08	-0.070	0.036	0.049	0.008	31.474	TRUE	1.03E-07
Non-allergic asthma	IRF1	cg00255919	rs115976537	A	G	0.728	0.109	0.020	2.19E-11	0.028	0.045	0.532	0.012	44.770	TRUE	5.70E-11
Non-allergic asthma	IRF1	cg00255919	rs115984727	A	G	0.507	0.073	0.025	3.77E-12	-0.018	0.032	0.566	0.013	48.215	TRUE	9.97E-12
Non-allergic asthma	IRF1	cg00255919	rs11738148	G	A	-0.286	0.032	0.167	1.24E-19	-0.029	0.026	0.262	0.022	82.145	TRUE	1.08E-18
Non-allergic asthma	IRF1	cg00255919	rs13153324	T	C	-0.400	0.040	0.199	2.00E-23	-0.043	0.022	0.056	0.026	99.411	TRUE	6.63E-22
Non-allergic asthma	IRF1	cg00255919	rs137906075	G	A	-0.411	0.055	0.052	6.45E-14	0.033	0.041	0.425	0.015	56.198	TRUE	2.40E-13
Non-allergic asthma	IRF1	cg00255919	rs139051676	T	C	0.654	0.096	0.014	1.04E-11	0.027	0.094	0.777	0.012	46.235	TRUE	2.08E-11
Non-allergic asthma	IRF1	cg00255919	rs149746631	C	G	0.470	0.082	0.022	9.67E-09	0.055	0.025	0.026	0.009	32.889	TRUE	6.16E-08
Non-allergic asthma	IRF1	cg00255919	rs157573	A	C	0.516	0.029	0.204	9.10E-73	0.044	0.017	0.008	0.081	325.343	TRUE	2.91E-67
Non-allergic asthma	IRF1	cg00255919	rs25890	C	T	0.274	0.024	0.380	5.49E-30	0.031	0.017	0.062	0.034	129.349	TRUE	3.97E-28
Non-allergic asthma	IRF1	cg00255919	rs676944	A	G	0.474	0.029	0.203	2.33E-61	0.005	0.018	0.762	0.069	273.010	TRUE	8.67E-59
Non-allergic asthma	IRF1	cg00255919	rs6894249	G	A	0.865	0.020	0.376	<1E-200	0.073	0.016	3.12E-06	0.330	1822.042	TRUE	<1E-200
Non-allergic asthma	IRF1	cg00255919	rs72797317	T	C	-0.374	0.057	0.048	6.30E-11	-0.018	0.042	0.672	0.011	42.701	TRUE	1.35E-10
Non-allergic asthma	IRF1	cg00255919	rs75244569	G	A	0.863	0.048	0.057	1.42E-71	0.064	0.041	0.124	0.080	319.869	TRUE	3.47E-67
Non-allergic asthma	IRF1	cg00255919	rs75245322	G	T	-0.512	0.038	0.108	1.18E-41	-0.076	0.035	0.032	0.047	182.712	TRUE	6.57E-39
Non-allergic asthma	IRF1	cg00255919	rs7733814	T	C	0.562	0.050	0.057	7.76E-30	0.021	0.023	0.360	0.034	128.663	TRUE	1.53E-28
Non-allergic asthma	IRF1	cg00255919	rs77542000	C	T	1.003	0.180	0.011	2.71E-08	-0.088	0.134	0.512	0.008	30.890	TRUE	5.67E-08
Non-allergic asthma	IRF1	cg00255919	rs78686200	T	C	-0.452	0.043	0.085	1.11E-25	-0.046	0.032	0.148	0.029	109.697	TRUE	2.74E-24
Non-allergic asthma	IRF1	cg00255919	rs78799912	T	C	0.787	0.081	0.023	2.46E-22	0.166	0.084	0.048	0.025	94.442	TRUE	7.66E-21
Non-allergic asthma	IRF1	cg00255919	rs809123	C	T	0.184	0.027	0.262	1.03E-11	0.039	0.016	0.014	0.012	46.238	TRUE	1.21E-10
Non-allergic asthma	IRF1	cg00255919	rs9687371	T	A	-0.139	0.025	0.370	1.42E-08	-0.009	0.018	0.593	0.009	32.137	TRUE	2.80E-08
Non-allergic asthma	IRF1	cg13907973	rs1045020	T	C	0.277	0.035	0.124	4.70E-15	0.056	0.019	0.002	0.016	61.347	TRUE	1.55E-13
Non-allergic asthma	IRF1	cg13907973	rs11738148	G	A	-0.182	0.031	0.167	5.25E-09	-0.029	0.026	0.262	0.009	34.076	TRUE	1.62E-08
Non-allergic asthma	IRF1	cg13907973	rs17715481	G	A	0.340	0.041	0.079	2.16E-16	0.046	0.028	0.096	0.018	67.410	TRUE	2.34E-15
Non-allergic asthma	IRF1	cg13907973	rs1910030	G	T	0.218	0.023	0.451	3.70E-21	0.048	0.016	0.002	0.024	89.081	TRUE	3.24E-19
Non-allergic asthma	IRF1	cg13907973	rs2070729	A	C	0.595	0.022	0.437	2.27E-156	0.059	0.016	1.85E-04	0.161	709.365	TRUE	3.96E-140
Non-allergic asthma	IRF1	cg13907973	rs2522051	C	T	0.266	0.023	0.465	3.99E-30	0.053	0.016	8.49E-04	0.034	129.984	TRUE	2.10E-27
Non-allergic asthma	IRF1	cg13907973	rs283753	C	T	0.238	0.033	0.144	5.82E-13	0.027	0.025	0.288	0.014	51.878	TRUE	2.51E-12
Non-allergic asthma	IRF1	cg13907973	rs4705945	A	G	0.418	0.070	0.030	1.88E-09	0.027	0.035	0.446	0.010	36.080	TRUE	4.65E-09
Non-allergic asthma	IRF1	cg13907973	rs71583480	G	C	0.402	0.046	0.071	2.60E-18	0.031	0.029	0.292	0.020	76.130	TRUE	1.86E-17
Non-allergic asthma	IRF1	cg13907973	rs72797327	G	A	-0.230	0.026	0.263	1.99E-18	-0.025	0.018	0.177	0.020	76.655	TRUE	1.97E-17
Non-allergic asthma	IRF1	cg13907973	rs739719	A	C	0.452	0.046	0.060	1.97E-22	0.045	0.040	0.260	0.025	94.880	TRUE	2.31E-21
Non-allergic asthma	IRF1	cg15375424	rs10059611	T	G	0.188	0.025	0.319	5.94E-14	0.006	0.017	0.711	0.015	56.362	TRUE	1.50E-13
Non-allergic asthma	IRF1	cg15375424	rs157572	C	G	0.256	0.026	0.294	2.00E-23	0.060	0.016	2.55E-04	0.026	99.408	TRUE	5.07E-21
Non-allergic asthma	IRF1	cg15375424	rs17772583	G	A	-0.212	0.027	0.251	8.79E-15	-0.040	0.019	0.033	0.016	60.118	TRUE	1.21E-13
Non-allergic asthma	IRF1	cg15375424	rs6875603	C	A	0.230	0.031	0.172	9.91E-14	0.062	0.020	0.002	0.015	55.354	TRUE	2.77E-12

Non-allergic asthma	IRF1	cg15375424	rs739718	C	T	0.398	0.049	0.057	4.12E-16	0.062	0.041	0.129	0.018	66.140	TRUE	3.74E-15
Non-allergic asthma	IRF1	cg15375424	rs7716474	C	G	-0.212	0.024	0.368	8.39E-19	-0.058	0.019	0.002	0.021	78.364	TRUE	5.33E-17
Non-allergic asthma	IRF1	cg15375424	rs7719499	G	C	0.491	0.024	0.327	2.01E-89	0.060	0.017	3.16E-04	0.098	401.791	TRUE	1.96E-81
Non-allergic asthma	IRF1	cg15421363	rs2549002	C	A	0.241	0.024	0.333	5.79E-23	0.055	0.017	9.11E-04	0.026	97.305	TRUE	9.17E-21
Non-allergic asthma	IRF1	cg17394978	rs10057128	T	G	0.194	0.032	0.170	1.61E-09	0.002	0.021	0.926	0.010	36.379	TRUE	2.44E-09
Non-allergic asthma	IRF1	cg17394978	rs11242118	A	G	-0.308	0.031	0.176	1.04E-23	-0.042	0.024	0.083	0.027	100.710	TRUE	2.86E-22
Non-allergic asthma	IRF1	cg17394978	rs11738148	G	A	-0.181	0.032	0.167	1.22E-08	-0.029	0.026	0.262	0.009	32.439	TRUE	3.63E-08
Non-allergic asthma	IRF1	cg17394978	rs17622517	C	T	-0.398	0.064	0.080	5.29E-10	-0.037	0.030	0.210	0.010	38.548	TRUE	1.98E-09
Non-allergic asthma	IRF1	cg17394978	rs17689550	T	C	0.286	0.036	0.125	3.75E-15	0.072	0.019	1.43E-04	0.016	61.794	TRUE	2.50E-13
Non-allergic asthma	IRF1	cg17394978	rs17772583	G	A	-0.283	0.027	0.251	4.28E-25	-0.040	0.019	0.033	0.028	107.018	TRUE	2.29E-23
Non-allergic asthma	IRF1	cg17394978	rs2548999	G	T	0.671	0.024	0.333	5.56E-174	0.056	0.017	8.12E-04	0.176	790.314	TRUE	9.85E-156
Non-allergic asthma	IRF1	cg17394978	rs35340924	T	C	0.572	0.094	0.018	1.24E-09	0.158	0.102	0.119	0.010	36.880	TRUE	5.60E-09
Non-allergic asthma	IRF1	cg17394978	rs421377	A	T	0.265	0.030	0.195	3.33E-19	0.015	0.018	0.412	0.021	80.189	TRUE	2.02E-18
Non-allergic asthma	IRF1	cg17394978	rs721121	G	T	-0.319	0.023	0.428	3.49E-42	-0.066	0.017	1.46E-04	0.048	185.136	TRUE	2.93E-38
Non-allergic asthma	IRF1	cg17394978	rs739718	C	T	0.471	0.049	0.057	7.80E-22	0.062	0.041	0.129	0.024	92.158	TRUE	1.35E-20
Non-allergic asthma	IRF1	cg17394978	rs78799912	T	C	0.527	0.081	0.023	8.89E-11	0.166	0.084	0.048	0.011	42.030	TRUE	6.33E-10
Non-allergic asthma	IRF1	cg17394978	rs809123	C	T	0.153	0.027	0.262	1.82E-08	0.039	0.016	0.014	0.008	31.657	TRUE	1.30E-07
Non-allergic asthma	IRF1	cg21138405	rs115976537	A	G	0.690	0.109	0.020	2.09E-10	0.028	0.045	0.532	0.011	40.355	TRUE	5.05E-10
Non-allergic asthma	IRF1	cg21138405	rs116332641	C	G	-0.279	0.032	0.160	2.69E-18	-0.039	0.026	0.137	0.020	76.067	TRUE	3.02E-17
Non-allergic asthma	IRF1	cg21138405	rs11739622	A	G	-0.568	0.030	0.175	6.41E-79	-0.042	0.024	0.083	0.087	353.578	TRUE	9.44E-74
Non-allergic asthma	IRF1	cg21138405	rs11745587	A	G	0.811	0.022	0.341	<1E-200	0.069	0.016	1.50E-05	0.278	1420.879	TRUE	8.77E-266
Non-allergic asthma	IRF1	cg21138405	rs147429092	C	T	0.707	0.084	0.019	3.16E-17	0.062	0.112	0.581	0.019	71.205	TRUE	1.22E-16
Non-allergic asthma	IRF1	cg21138405	rs157577	G	C	0.643	0.025	0.270	2.97E-142	0.029	0.017	0.076	0.148	644.481	TRUE	1.92E-130
Non-allergic asthma	IRF1	cg21138405	rs253944	C	G	0.481	0.029	0.194	4.70E-61	0.015	0.018	0.416	0.068	271.612	TRUE	4.55E-58
Non-allergic asthma	IRF1	cg21138405	rs2549008	A	G	-0.486	0.031	0.176	2.19E-55	-0.014	0.019	0.441	0.062	245.619	TRUE	8.43E-53
Non-allergic asthma	IRF1	cg21138405	rs25887	C	A	0.384	0.024	0.420	9.82E-60	0.031	0.016	0.048	0.067	265.555	TRUE	7.29E-56
Non-allergic asthma	IRF1	cg21138405	rs35340924	T	C	0.974	0.094	0.018	2.51E-25	0.158	0.102	0.119	0.028	108.077	TRUE	6.82E-24
Non-allergic asthma	IRF1	cg21138405	rs540670557	T	G	0.690	0.093	0.016	1.43E-13	0.027	0.094	0.777	0.015	54.639	TRUE	3.24E-13
Non-allergic asthma	IRF1	cg21138405	rs72797327	G	A	-0.537	0.026	0.263	3.42E-94	-0.025	0.018	0.177	0.103	423.691	TRUE	4.61E-88
Non-allergic asthma	IRF1	cg21138405	rs75244569	G	A	0.856	0.048	0.057	2.21E-70	0.064	0.041	0.124	0.078	314.394	TRUE	4.37E-66
Non-allergic asthma	IRF1	cg21138405	rs76709465	C	A	0.473	0.075	0.024	3.10E-10	-0.016	0.032	0.614	0.011	39.590	TRUE	6.73E-10
Non-allergic asthma	IRF1	cg21138405	rs78686200	T	C	-0.457	0.043	0.085	3.35E-26	-0.046	0.032	0.148	0.029	112.066	TRUE	8.79E-25
Non-allergic asthma	IRF1	cg21138405	rs78799912	T	C	0.745	0.081	0.023	3.26E-20	0.166	0.084	0.048	0.022	84.781	TRUE	7.74E-19
Non-allergic asthma	IRF1	cg21138405	rs809123	C	T	0.185	0.027	0.262	8.53E-12	0.039	0.016	0.014	0.012	46.614	TRUE	1.01E-10
Non-allergic asthma	IRF1	cg21138405	rs9687371	T	A	-0.145	0.025	0.370	3.33E-09	-0.009	0.018	0.593	0.009	34.960	TRUE	6.87E-09
Non-allergic asthma	IRF1	cg25410123	rs41525648	A	G	0.164	0.023	0.436	2.78E-12	0.059	0.016	1.63E-04	0.013	48.813	TRUE	1.04E-10
Non-allergic asthma	IRF2	cg01926348	rs34463449	C	T	-0.552	0.062	0.030	2.79E-19	0.107	0.060	0.075	0.021	80.535	TRUE	4.77E-18
Non-allergic asthma	IRF2	cg04718987	rs3756097	T	C	-0.146	0.024	0.332	1.97E-09	0.000	0.017	0.987	0.010	35.981	TRUE	2.82E-09
Non-allergic asthma	IRF2	cg04718987	rs7685698	C	T	0.212	0.032	0.151	3.71E-11	0.028	0.019	0.145	0.012	43.739	TRUE	1.84E-10
Non-allergic asthma	IRF2	cg04748972	rs3756092	C	T	-0.233	0.039	0.096	1.69E-09	0.020	0.022	0.364	0.010	36.286	TRUE	4.67E-09
Non-allergic asthma	IRF2	cg04748972	rs793812	T	C	-0.137	0.024	0.348	1.14E-08	0.009	0.016	0.591	0.009	32.570	TRUE	2.26E-08
Non-allergic asthma	IRF2	cg04748972	rs793814	T	A	0.397	0.033	0.362	1.26E-33	-0.023	0.017	0.167	0.038	145.987	TRUE	7.38E-32

Non-allergic asthma	IRF2	cg05075308	rs144726693	T	A	-0.507	0.056	0.085	1.65E-19	0.058	0.035	0.097	0.022	81.573	TRUE	2.56E-18
Non-allergic asthma	IRF2	cg05075308	rs3775574	G	A	0.169	0.024	0.398	4.12E-12	-0.010	0.016	0.551	0.013	48.040	TRUE	1.11E-11
Non-allergic asthma	IRF2	cg05075308	rs809909	T	A	0.218	0.034	0.311	2.25E-10	0.013	0.016	0.430	0.011	40.214	TRUE	6.15E-10
Non-allergic asthma	IRF2	cg05501617	rs13115095	G	A	0.584	0.025	0.269	1.71E-117	-0.028	0.019	0.143	0.125	530.718	TRUE	6.42E-109
Non-allergic asthma	IRF2	cg05501617	rs3756096	C	T	0.201	0.033	0.146	1.69E-09	0.027	0.020	0.162	0.010	36.282	TRUE	6.68E-09
Non-allergic asthma	IRF2	cg05501617	rs62339964	T	A	-0.635	0.041	0.081	3.78E-53	0.000	0.026	0.996	0.060	235.366	TRUE	2.60E-51
Non-allergic asthma	IRF2	cg05501617	rs68145634	T	C	-0.200	0.031	0.176	5.83E-11	0.019	0.020	0.361	0.011	42.855	TRUE	1.85E-10
Non-allergic asthma	IRF2	cg05501617	rs6831828	T	C	0.192	0.026	0.286	1.08E-13	0.016	0.017	0.347	0.015	55.189	TRUE	4.46E-13
Non-allergic asthma	IRF2	cg07394914	rs1863319	A	G	0.183	0.024	0.430	2.45E-14	-0.020	0.016	0.208	0.015	58.104	TRUE	1.44E-13
Non-allergic asthma	IRF2	cg07394914	rs3775574	G	A	0.262	0.024	0.398	1.54E-27	-0.010	0.016	0.551	0.031	118.175	TRUE	1.57E-26
Non-allergic asthma	IRF2	cg07940428	rs9685945	G	A	-0.194	0.024	0.365	1.35E-15	-0.010	0.016	0.550	0.017	63.799	TRUE	4.79E-15
Non-allergic asthma	IRF2	cg09234297	rs793814	T	A	0.220	0.034	0.362	8.65E-11	-0.023	0.017	0.167	0.011	42.082	TRUE	3.89E-10
Non-allergic asthma	IRF2	cg11784578	rs13116389	T	G	0.176	0.030	0.178	4.54E-09	0.038	0.018	0.037	0.009	34.360	TRUE	2.77E-08
Non-allergic asthma	IRF2	cg11784578	rs3775579	G	C	0.165	0.024	0.363	1.27E-11	-0.010	0.016	0.524	0.012	45.837	TRUE	3.40E-11
Non-allergic asthma	IRF2	cg11802666	rs1425551	T	G	-0.234	0.024	0.473	2.88E-23	0.018	0.016	0.265	0.026	98.686	TRUE	3.64E-22
Non-allergic asthma	IRF2	cg11802666	rs4861623	A	G	-0.274	0.043	0.077	1.87E-10	0.032	0.043	0.454	0.011	40.574	TRUE	4.98E-10
Non-allergic asthma	IRF2	cg11802666	rs793786	C	A	0.202	0.024	0.393	8.51E-17	-0.009	0.016	0.571	0.018	69.251	TRUE	3.22E-16
Non-allergic asthma	IRF2	cg12453504	rs55876364	T	G	-0.170	0.024	0.435	6.04E-13	0.037	0.016	0.018	0.014	51.807	TRUE	7.94E-12
Non-allergic asthma	IRF2	cg19757535	rs17075879	C	T	0.294	0.035	0.308	2.24E-17	-0.003	0.018	0.883	0.019	71.884	TRUE	5.77E-17
Non-allergic asthma	IRF2	cg19757535	rs17488695	A	G	-0.317	0.040	0.191	2.26E-15	0.012	0.022	0.602	0.017	62.793	TRUE	7.30E-15
Non-allergic asthma	IRF2	cg19757535	rs1863315	C	T	0.388	0.038	0.099	5.10E-24	-0.012	0.025	0.643	0.027	102.113	TRUE	3.17E-23
Non-allergic asthma	IRF2	cg19757535	rs1918633	A	G	-0.302	0.023	0.480	1.19E-38	0.019	0.016	0.229	0.044	168.956	TRUE	1.01E-36
Non-allergic asthma	IRF2	cg19757535	rs58976078	T	C	0.812	0.021	0.360	<1E-200	-0.015	0.017	0.352	0.280	1439.172	TRUE	3.40E-275
Non-allergic asthma	IRF2	cg19757535	rs793812	T	C	0.138	0.024	0.348	1.50E-08	0.009	0.016	0.591	0.009	32.036	TRUE	2.95E-08
Non-allergic asthma	IRF2	cg19757535	rs9685836	T	G	0.395	0.055	0.092	7.83E-13	0.017	0.026	0.503	0.014	51.297	TRUE	2.37E-12
Non-allergic asthma	IRF2	cg22442686	rs6833584	A	G	-0.226	0.033	0.145	8.39E-12	0.025	0.020	0.203	0.012	46.647	TRUE	3.84E-11
Non-allergic asthma	IRF2	cg22442686	rs793814	T	A	0.439	0.033	0.362	3.58E-41	-0.023	0.017	0.167	0.047	180.506	TRUE	5.56E-39
Non-allergic asthma	IRF2	cg22442686	rs796988	A	G	-0.161	0.028	0.219	9.14E-09	0.005	0.017	0.786	0.009	32.998	TRUE	1.52E-08
Non-allergic asthma	ITGAM	cg00764981	rs9674009	C	A	0.295	0.023	0.461	7.43E-37	0.009	0.016	0.588	0.042	160.748	TRUE	1.84E-35
Non-allergic asthma	ITGAM	cg02256631	rs34550882	T	C	-0.413	0.037	0.115	1.69E-29	-0.038	0.026	0.151	0.033	127.122	TRUE	6.45E-28
Non-allergic asthma	ITGAM	cg02256631	rs56392848	A	G	0.427	0.025	0.318	1.06E-66	0.032	0.016	0.043	0.074	297.509	TRUE	2.93E-62
Non-allergic asthma	ITGAM	cg02846316	rs1108431	T	C	-0.360	0.024	0.342	2.16E-50	0.033	0.016	0.040	0.057	222.733	TRUE	4.00E-47
Non-allergic asthma	ITGAM	cg02846316	rs112766425	G	A	-0.457	0.050	0.055	4.46E-20	-0.011	0.045	0.807	0.022	84.159	TRUE	1.55E-19
Non-allergic asthma	ITGAM	cg02846316	rs11641202	A	G	-0.777	0.021	0.431	<1E-200	0.011	0.016	0.479	0.278	1427.662	TRUE	1.22E-273
Non-allergic asthma	ITGAM	cg02846316	rs11861258	A	G	-0.450	0.067	0.058	2.63E-11	0.009	0.023	0.706	0.012	44.413	TRUE	5.56E-11
Non-allergic asthma	ITGAM	cg02846316	rs12597684	C	A	-0.285	0.046	0.076	4.05E-10	0.000	0.023	0.999	0.010	39.066	TRUE	5.93E-10
Non-allergic asthma	ITGAM	cg02846316	rs148702283	T	C	0.235	0.036	0.108	6.20E-11	-0.011	0.027	0.673	0.011	42.734	TRUE	1.32E-10
Non-allergic asthma	ITGAM	cg02846316	rs182339188	C	T	-0.397	0.064	0.037	5.72E-10	0.091	0.102	0.376	0.010	38.395	TRUE	1.62E-09
Non-allergic asthma	ITGAM	cg02846316	rs2230428	A	G	0.413	0.029	0.190	1.19E-44	-0.018	0.021	0.391	0.050	196.430	TRUE	1.24E-42
Non-allergic asthma	ITGAM	cg02846316	rs2454907	A	G	0.271	0.032	0.156	3.66E-17	-0.022	0.023	0.329	0.019	70.912	TRUE	2.16E-16
Non-allergic asthma	ITGAM	cg02846316	rs4889656	G	C	-0.241	0.024	0.387	9.74E-24	-0.002	0.016	0.907	0.027	100.832	TRUE	3.88E-23
Non-allergic asthma	ITGAM	cg02846316	rs58408589	G	A	-0.499	0.032	0.156	2.26E-53	-0.048	0.023	0.033	0.060	236.387	TRUE	7.83E-50

Non-allergic asthma	ITGAM	cg02846316	rs76133734	A	G	0.503	0.089	0.034	1.84E-08	0.091	0.051	0.072	0.008	31.639	TRUE	8.51E-08
Non-allergic asthma	ITGAM	cg05625471	rs1143679	A	G	-0.297	0.039	0.103	2.67E-14	-0.047	0.024	0.056	0.015	57.931	TRUE	2.83E-13
Non-allergic asthma	ITGAM	cg05625471	rs4594268	T	C	0.377	0.025	0.319	5.59E-52	0.032	0.016	0.044	0.059	230.006	TRUE	1.23E-48
Non-allergic asthma	ITGAM	cg05625471	rs4889655	T	C	0.138	0.024	0.387	1.07E-08	-0.003	0.016	0.874	0.009	32.693	TRUE	1.63E-08
Non-allergic asthma	ITGAM	cg05625471	rs9927295	A	G	-0.152	0.027	0.245	1.21E-08	-0.022	0.019	0.251	0.009	32.460	TRUE	3.65E-08
Non-allergic asthma	ITGAM	cg08050115	rs2454907	A	G	0.199	0.032	0.156	7.04E-10	-0.022	0.023	0.329	0.010	37.988	TRUE	2.12E-09
Non-allergic asthma	ITGAM	cg08050115	rs4889656	G	C	-0.155	0.024	0.387	1.05E-10	-0.002	0.016	0.907	0.011	41.701	TRUE	1.74E-10
Non-allergic asthma	ITGAM	cg08050115	rs62057137	T	C	0.222	0.037	0.105	3.16E-09	0.009	0.028	0.743	0.009	35.064	TRUE	5.62E-09
Non-allergic asthma	ITGAM	cg08050115	rs9674009	C	A	-0.376	0.023	0.461	1.33E-58	0.009	0.016	0.588	0.066	260.373	TRUE	5.27E-56
Non-allergic asthma	ITGAM	cg09326409	rs3815801	C	T	0.171	0.025	0.330	6.44E-12	0.028	0.016	0.085	0.013	47.167	TRUE	4.31E-11
Non-allergic asthma	ITGAM	cg09743950	rs12598380	T	C	0.285	0.024	0.385	1.05E-31	-0.001	0.017	0.940	0.036	137.194	TRUE	7.83E-31
Non-allergic asthma	ITGAM	cg09743950	rs34550882	T	C	-0.519	0.037	0.115	7.97E-46	-0.038	0.026	0.151	0.052	201.808	TRUE	2.56E-43
Non-allergic asthma	ITGAM	cg15337006	rs11641624	C	T	-0.159	0.025	0.317	3.14E-10	0.033	0.016	0.040	0.011	39.565	TRUE	2.19E-09
Non-allergic asthma	ITGAM	cg15817542	rs1143678	T	C	-0.922	0.032	0.144	1.86E-183	-0.051	0.023	0.031	0.184	833.875	TRUE	1.72E-165
Non-allergic asthma	ITGAM	cg15817542	rs11649290	T	A	-0.180	0.026	0.265	8.26E-12	0.002	0.018	0.915	0.012	46.678	TRUE	1.44E-11
Non-allergic asthma	ITGAM	cg15817542	rs78522165	A	G	0.309	0.048	0.060	1.15E-10	-0.003	0.026	0.892	0.011	41.520	TRUE	1.93E-10
Non-allergic asthma	ITGAM	cg15817542	rs8048583	T	C	0.407	0.025	0.332	5.64E-61	0.033	0.016	0.038	0.068	271.248	TRUE	6.30E-57
Non-allergic asthma	ITM2C	cg02231590	rs112711149	G	C	-0.727	0.112	0.025	8.01E-11	-0.018	0.039	0.638	0.011	42.233	TRUE	1.77E-10
Non-allergic asthma	ITM2C	cg02231590	rs2438302	A	G	-0.230	0.035	0.304	3.89E-11	0.003	0.018	0.877	0.012	43.646	TRUE	6.79E-11
Non-allergic asthma	ITM2C	cg02231590	rs3816150	C	T	0.281	0.023	0.470	3.15E-33	0.004	0.016	0.817	0.038	144.158	TRUE	3.38E-32
Non-allergic asthma	ITM2C	cg02231590	rs4973349	A	G	0.170	0.030	0.177	1.63E-08	-0.011	0.021	0.591	0.009	31.878	TRUE	3.20E-08
Non-allergic asthma	ITM2C	cg02231590	rs59481475	A	G	0.278	0.033	0.140	4.15E-17	-0.046	0.020	0.023	0.019	70.665	TRUE	8.94E-16
Non-allergic asthma	ITM2C	cg02231590	rs60237566	G	T	-0.615	0.027	0.230	1.39E-113	-0.002	0.020	0.934	0.122	512.754	TRUE	5.07E-107
Non-allergic asthma	ITM2C	cg02231590	rs6436979	T	C	-0.657	0.085	0.020	8.83E-15	0.088	0.130	0.501	0.016	60.108	TRUE	3.14E-14
Non-allergic asthma	ITM2C	cg02231590	rs755435	A	C	-0.226	0.027	0.242	9.33E-17	-0.009	0.017	0.621	0.018	69.068	TRUE	3.28E-16
Non-allergic asthma	ITM2C	cg02806733	rs3111750	T	C	-0.269	0.049	0.064	4.06E-08	-0.017	0.032	0.594	0.008	30.106	TRUE	7.72E-08
Non-allergic asthma	ITM2C	cg02806733	rs62195293	G	T	0.354	0.041	0.090	1.08E-17	-0.062	0.024	0.009	0.019	73.320	TRUE	3.56E-16
Non-allergic asthma	ITM2C	cg02806733	rs80340586	C	T	0.352	0.046	0.064	2.56E-14	-0.022	0.030	0.452	0.015	58.012	TRUE	9.45E-14
Non-allergic asthma	ITM2C	cg02806733	rs934822	A	G	0.442	0.027	0.241	3.02E-61	-0.041	0.018	0.021	0.069	272.492	TRUE	5.58E-57
Non-allergic asthma	ITM2C	cg03511931	rs184122315	T	C	-0.676	0.090	0.017	4.27E-14	0.030	0.116	0.794	0.015	57.009	TRUE	9.85E-14
Non-allergic asthma	ITM2C	cg03511931	rs2438304	C	A	-0.212	0.037	0.241	1.38E-08	0.009	0.019	0.645	0.009	32.196	TRUE	2.59E-08
Non-allergic asthma	ITM2C	cg03511931	rs3098325	C	T	-0.707	0.027	0.238	7.06E-151	0.027	0.019	0.160	0.156	684.118	TRUE	1.82E-138
Non-allergic asthma	ITM2C	cg03511931	rs3111784	G	A	0.223	0.037	0.113	2.04E-09	-0.024	0.024	0.305	0.010	35.917	TRUE	6.10E-09
Non-allergic asthma	ITM2C	cg03511931	rs34604811	A	G	-0.234	0.032	0.146	1.88E-13	-0.002	0.020	0.903	0.014	54.101	TRUE	3.66E-13
Non-allergic asthma	ITM2C	cg03511931	rs62195287	A	G	0.270	0.034	0.134	9.09E-16	-0.052	0.022	0.019	0.017	64.583	TRUE	1.75E-14
Non-allergic asthma	ITM2C	cg03511931	rs73992921	G	C	-0.201	0.030	0.174	4.23E-11	-0.016	0.021	0.439	0.012	43.479	TRUE	1.21E-10
Non-allergic asthma	ITM2C	cg03511931	rs73992965	G	A	0.322	0.045	0.070	1.29E-12	0.004	0.027	0.878	0.013	50.311	TRUE	2.47E-12
Non-allergic asthma	ITM2C	cg03511931	rs75689999	A	G	0.827	0.051	0.055	2.86E-58	0.077	0.043	0.073	0.065	258.843	TRUE	1.18E-54
Non-allergic asthma	ITM2C	cg03511931	rs9653273	T	C	0.194	0.029	0.203	1.49E-11	-0.006	0.021	0.756	0.012	45.518	TRUE	3.04E-11
Non-allergic asthma	ITM2C	cg04293526	rs3098329	G	A	0.291	0.024	0.391	2.64E-34	0.006	0.016	0.714	0.039	149.085	TRUE	3.83E-33
Non-allergic asthma	ITM2C	cg04293526	rs59913800	G	A	-0.194	0.027	0.247	1.33E-12	0.002	0.019	0.914	0.013	50.253	TRUE	2.44E-12
Non-allergic asthma	ITM2C	cg14396306	rs10186528	A	G	-0.551	0.084	0.020	5.26E-11	0.070	0.131	0.593	0.012	43.057	TRUE	1.24E-10

Non-allergic asthma	ITM2C	cg14396306	rs13418270	G	A	0.216	0.033	0.143	5.48E-11	-0.047	0.020	0.022	0.011	42.975	TRUE	5.14E-10
Non-allergic asthma	ITM2C	cg14396306	rs1866232	G	A	-0.144	0.025	0.327	1.07E-08	-0.018	0.016	0.270	0.009	32.699	TRUE	3.15E-08
Non-allergic asthma	ITM2C	cg14396306	rs3111758	A	G	-0.225	0.028	0.233	2.01E-15	0.008	0.021	0.702	0.017	63.016	TRUE	5.72E-15
Non-allergic asthma	ITM2C	cg14396306	rs60237566	G	T	-0.522	0.027	0.230	3.98E-81	-0.002	0.020	0.934	0.090	363.705	TRUE	2.20E-77
Non-allergic asthma	ITM2C	cg14649507	rs60237566	G	T	-0.172	0.028	0.230	6.87E-10	-0.002	0.020	0.934	0.010	38.037	TRUE	1.06E-09
Non-allergic asthma	ITM2C	cg15127563	rs116091269	C	T	0.475	0.079	0.022	1.93E-09	0.019	0.072	0.789	0.010	36.027	TRUE	3.32E-09
Non-allergic asthma	ITM2C	cg15127563	rs13405230	A	T	0.232	0.037	0.111	5.65E-10	0.050	0.025	0.046	0.010	38.417	TRUE	3.66E-09
Non-allergic asthma	ITM2C	cg15127563	rs184122315	T	C	-0.823	0.089	0.017	3.40E-20	0.030	0.116	0.794	0.022	84.696	TRUE	1.22E-19
Non-allergic asthma	ITM2C	cg15127563	rs2438299	A	T	-0.509	0.068	0.062	1.07E-13	0.070	0.036	0.052	0.015	55.197	TRUE	1.08E-12
Non-allergic asthma	ITM2C	cg15127563	rs2438304	C	A	-0.275	0.037	0.241	1.86E-13	0.009	0.019	0.645	0.014	54.113	TRUE	4.93E-13
Non-allergic asthma	ITM2C	cg15127563	rs3111758	A	G	-0.936	0.025	0.233	<1E-200	0.008	0.021	0.702	0.282	1449.240	TRUE	6.08E-278
Non-allergic asthma	ITM2C	cg15127563	rs3111784	G	A	0.221	0.037	0.113	2.85E-09	-0.024	0.024	0.305	0.009	35.262	TRUE	8.42E-09
Non-allergic asthma	ITM2C	cg15127563	rs34604811	A	G	-0.225	0.032	0.146	1.63E-12	-0.002	0.020	0.903	0.013	49.855	TRUE	3.01E-12
Non-allergic asthma	ITM2C	cg15127563	rs59361355	G	A	1.037	0.051	0.056	3.14E-90	0.077	0.043	0.072	0.099	405.495	TRUE	5.38E-84
Non-allergic asthma	ITM2C	cg15127563	rs6436978	T	C	0.395	0.036	0.128	1.27E-28	-0.043	0.020	0.037	0.032	123.115	TRUE	1.03E-26
Non-allergic asthma	ITM2C	cg15127563	rs6750171	T	C	-0.180	0.027	0.246	3.05E-11	-0.014	0.017	0.404	0.012	44.118	TRUE	9.30E-11
Non-allergic asthma	ITM2C	cg15127563	rs73992921	G	C	-0.287	0.030	0.174	3.44E-21	-0.016	0.021	0.439	0.024	89.226	TRUE	2.38E-20
Non-allergic asthma	ITM2C	cg15127563	rs73992965	G	A	0.339	0.045	0.070	8.96E-14	0.004	0.027	0.878	0.015	55.552	TRUE	1.84E-13
Non-allergic asthma	ITM2C	cg15127563	rs934822	A	G	0.205	0.027	0.241	4.17E-14	-0.041	0.018	0.021	0.015	57.054	TRUE	6.15E-13
Non-allergic asthma	ITM2C	cg15127563	rs9653273	T	C	0.250	0.029	0.203	2.51E-18	-0.006	0.021	0.756	0.020	76.197	TRUE	8.23E-18
Non-allergic asthma	ITM2C	cg15262728	rs10205726	A	G	-0.164	0.026	0.307	1.51E-10	-0.010	0.017	0.551	0.011	40.990	TRUE	3.61E-10
Non-allergic asthma	ITM2C	cg15262728	rs13417093	G	A	0.179	0.030	0.171	3.70E-09	-0.009	0.021	0.677	0.009	34.758	TRUE	6.97E-09
Non-allergic asthma	ITM2C	cg15262728	rs3111750	T	C	-0.301	0.049	0.064	8.39E-10	-0.017	0.032	0.594	0.010	37.647	TRUE	1.80E-09
Non-allergic asthma	ITM2C	cg15262728	rs59481475	A	G	0.229	0.033	0.140	3.68E-12	-0.046	0.020	0.023	0.013	48.260	TRUE	4.01E-11
Non-allergic asthma	ITM2C	cg15262728	rs60237566	G	T	-0.385	0.028	0.230	3.10E-44	-0.002	0.020	0.934	0.050	194.525	TRUE	8.42E-43
Non-allergic asthma	ITM2C	cg15837943	rs114303975	C	G	0.493	0.078	0.019	3.05E-10	-0.057	0.037	0.123	0.011	39.621	TRUE	1.46E-09
Non-allergic asthma	ITM2C	cg15837943	rs114708591	C	T	0.281	0.047	0.062	1.72E-09	0.044	0.030	0.136	0.010	36.243	TRUE	7.28E-09
Non-allergic asthma	ITM2C	cg15837943	rs11677870	A	G	-0.373	0.064	0.068	6.96E-09	0.009	0.029	0.754	0.009	33.529	TRUE	1.20E-08
Non-allergic asthma	ITM2C	cg15837943	rs13395705	C	G	0.578	0.043	0.078	9.56E-42	-0.027	0.024	0.253	0.047	183.129	TRUE	1.09E-39
Non-allergic asthma	ITM2C	cg15837943	rs13407768	C	T	0.212	0.025	0.347	2.96E-17	0.008	0.016	0.611	0.019	71.335	TRUE	1.10E-16
Non-allergic asthma	ITM2C	cg15837943	rs1465833	T	C	0.616	0.086	0.049	8.69E-13	-0.090	0.047	0.053	0.014	51.091	TRUE	7.78E-12
Non-allergic asthma	ITM2C	cg15837943	rs146818766	T	C	-0.428	0.075	0.027	1.22E-08	0.023	0.033	0.486	0.009	32.433	TRUE	2.71E-08
Non-allergic asthma	ITM2C	cg15837943	rs182234551	A	G	-0.361	0.066	0.030	4.94E-08	0.032	0.042	0.442	0.008	29.723	TRUE	1.09E-07
Non-allergic asthma	ITM2C	cg15837943	rs3111750	T	C	-0.685	0.048	0.064	1.38E-45	-0.017	0.032	0.594	0.051	200.714	TRUE	9.38E-44
Non-allergic asthma	ITM2C	cg15837943	rs56166300	G	C	-0.208	0.031	0.171	2.41E-11	-0.015	0.021	0.462	0.012	44.585	TRUE	6.83E-11
Non-allergic asthma	ITM2C	cg15837943	rs57399896	G	A	-0.413	0.058	0.116	8.65E-13	0.000	0.023	0.993	0.014	51.101	TRUE	1.47E-12
Non-allergic asthma	ITM2C	cg15837943	rs57556160	A	G	0.292	0.053	0.057	2.90E-08	0.077	0.043	0.074	0.008	30.756	TRUE	1.29E-07
Non-allergic asthma	ITM2C	cg15837943	rs62195288	T	C	0.669	0.033	0.140	6.81E-94	-0.052	0.022	0.018	0.102	422.319	TRUE	9.98E-87
Non-allergic asthma	ITM2C	cg15837943	rs6742201	T	C	0.342	0.036	0.121	1.07E-21	0.013	0.025	0.588	0.024	91.537	TRUE	5.94E-21
Non-allergic asthma	ITM2C	cg15837943	rs7564278	G	T	0.449	0.035	0.115	9.12E-37	0.011	0.026	0.679	0.042	160.342	TRUE	1.84E-35
Non-allergic asthma	ITM2C	cg15837943	rs938907	A	G	-0.159	0.028	0.202	1.40E-08	0.008	0.018	0.675	0.009	32.164	TRUE	2.55E-08
Non-allergic asthma	ITM2C	cg17009069	rs111819807	A	C	-0.717	0.122	0.023	4.79E-09	-0.009	0.040	0.819	0.009	34.256	TRUE	7.83E-09

Non-allergic asthma	ITM2C	cg17009069	rs114721632	A	G	-0.369	0.063	0.092	3.54E-09	0.024	0.032	0.466	0.009	34.841	TRUE	8.38E-09
Non-allergic asthma	ITM2C	cg17009069	rs184122315	T	C	-0.786	0.090	0.017	1.61E-18	0.030	0.116	0.794	0.020	77.074	TRUE	5.08E-18
Non-allergic asthma	ITM2C	cg17009069	rs2438302	A	G	-0.239	0.035	0.304	6.27E-12	0.003	0.018	0.877	0.013	47.217	TRUE	1.15E-11
Non-allergic asthma	ITM2C	cg17009069	rs3111750	T	C	-0.340	0.049	0.064	3.84E-12	-0.017	0.032	0.594	0.013	48.178	TRUE	9.81E-12
Non-allergic asthma	ITM2C	cg17009069	rs59481475	A	G	0.350	0.033	0.140	2.59E-26	-0.046	0.020	0.023	0.030	112.580	TRUE	1.95E-24
Non-allergic asthma	ITM2C	cg17009069	rs60237566	G	T	-0.659	0.027	0.230	1.16E-131	-0.002	0.020	0.934	0.139	595.814	TRUE	3.17E-123
Non-allergic asthma	ITM2C	cg17009069	rs6436977	C	A	0.501	0.023	0.473	2.47E-106	0.002	0.016	0.906	0.115	479.453	TRUE	2.00E-100
Non-allergic asthma	ITM2C	cg17009069	rs74762084	C	G	0.167	0.030	0.180	2.60E-08	-0.014	0.021	0.509	0.008	30.966	TRUE	5.48E-08
Non-allergic asthma	ITM2C	cg17009069	rs755435	A	C	-0.259	0.027	0.242	1.17E-21	-0.009	0.017	0.621	0.024	91.349	TRUE	6.17E-21
Non-allergic asthma	ITM2C	cg17674726	rs116469226	C	T	1.049	0.085	0.017	1.09E-34	-0.061	0.041	0.131	0.039	150.841	TRUE	8.80E-33
Non-allergic asthma	ITM2C	cg17674726	rs13417093	G	A	0.198	0.030	0.171	7.05E-11	-0.009	0.021	0.677	0.011	42.483	TRUE	1.49E-10
Non-allergic asthma	ITM2C	cg17674726	rs184122315	T	C	-0.523	0.090	0.017	5.71E-09	0.030	0.116	0.794	0.009	33.911	TRUE	9.52E-09
Non-allergic asthma	ITM2C	cg17674726	rs2289235	A	G	0.304	0.023	0.467	9.56E-39	0.003	0.016	0.856	0.044	169.398	TRUE	1.67E-37
Non-allergic asthma	ITM2C	cg17674726	rs3111750	T	C	-0.342	0.049	0.064	2.71E-12	-0.017	0.032	0.594	0.013	48.858	TRUE	7.01E-12
Non-allergic asthma	ITM2C	cg17674726	rs3111784	G	A	0.523	0.037	0.113	1.40E-45	-0.024	0.024	0.305	0.051	200.690	TRUE	2.18E-43
Non-allergic asthma	ITM2C	cg17674726	rs59408375	G	A	0.180	0.025	0.355	7.80E-13	0.005	0.016	0.773	0.014	51.304	TRUE	1.70E-12
Non-allergic asthma	ITM2C	cg17674726	rs60237566	G	T	-0.484	0.027	0.230	1.45E-69	-0.002	0.020	0.934	0.077	310.652	TRUE	1.19E-66
Non-allergic asthma	ITM2C	cg17674726	rs60774594	C	T	1.130	0.077	0.021	1.25E-48	-0.167	0.164	0.309	0.055	214.655	TRUE	2.90E-46
Non-allergic asthma	ITM2C	cg17674726	rs62195287	A	G	1.367	0.025	0.134	<1E-200	-0.052	0.022	0.019	0.449	3017.420	TRUE	<1E-200
Non-allergic asthma	ITM2C	cg17674726	rs6710419	A	G	0.523	0.048	0.068	2.31E-27	0.035	0.036	0.320	0.031	117.366	TRUE	3.88E-26
Non-allergic asthma	ITM2C	cg17674726	rs6747010	A	G	0.418	0.033	0.137	2.23E-36	0.022	0.024	0.357	0.041	158.562	TRUE	9.28E-35
Non-allergic asthma	ITM2C	cg17674726	rs77159514	G	A	0.712	0.091	0.037	4.18E-15	-0.055	0.053	0.302	0.016	61.578	TRUE	2.15E-14
Non-allergic asthma	ITM2C	cg18346707	rs114708591	C	T	0.266	0.047	0.062	1.20E-08	0.044	0.030	0.136	0.009	32.468	TRUE	4.60E-08
Non-allergic asthma	ITM2C	cg18346707	rs114721632	A	G	0.431	0.062	0.092	5.25E-12	0.024	0.032	0.466	0.013	47.564	TRUE	1.56E-11
Non-allergic asthma	ITM2C	cg18346707	rs115155017	T	C	-0.526	0.075	0.027	2.13E-12	0.022	0.033	0.498	0.013	49.332	TRUE	6.28E-12
Non-allergic asthma	ITM2C	cg18346707	rs13395705	C	G	0.369	0.043	0.078	1.06E-17	-0.027	0.024	0.253	0.019	73.366	TRUE	7.78E-17
Non-allergic asthma	ITM2C	cg18346707	rs13402390	G	A	0.399	0.027	0.235	2.49E-49	-0.025	0.019	0.171	0.056	217.865	TRUE	1.18E-46
Non-allergic asthma	ITM2C	cg18346707	rs3111750	T	C	-0.736	0.048	0.064	1.66E-52	-0.017	0.032	0.594	0.059	232.421	TRUE	2.76E-50
Non-allergic asthma	ITM2C	cg18346707	rs3111761	T	C	0.139	0.024	0.409	8.55E-09	-0.012	0.016	0.453	0.009	33.129	TRUE	1.99E-08
Non-allergic asthma	ITM2C	cg18346707	rs56214836	T	C	0.275	0.026	0.281	1.58E-26	-0.043	0.017	0.012	0.030	113.559	TRUE	1.66E-24
Non-allergic asthma	ITM2C	cg18346707	rs57399896	G	A	-0.410	0.058	0.116	1.26E-12	0.000	0.023	0.993	0.013	50.357	TRUE	2.13E-12
Non-allergic asthma	ITM2C	cg18346707	rs7564278	G	T	0.393	0.036	0.115	2.33E-28	0.011	0.026	0.679	0.032	121.912	TRUE	2.02E-27
Non-allergic asthma	ITM2C	cg18665334	rs35138159	A	G	0.147	0.024	0.373	7.59E-10	-0.028	0.016	0.082	0.010	37.841	TRUE	4.01E-09
Non-allergic asthma	ITM2C	cg18994033	rs111819807	A	C	-0.814	0.122	0.023	2.71E-11	-0.009	0.040	0.819	0.012	44.354	TRUE	5.07E-11
Non-allergic asthma	ITM2C	cg18994033	rs116469226	C	T	0.718	0.086	0.017	6.34E-17	-0.061	0.041	0.131	0.019	69.830	TRUE	6.25E-16
Non-allergic asthma	ITM2C	cg18994033	rs13418270	G	A	0.762	0.032	0.143	2.85E-126	-0.047	0.020	0.022	0.134	571.045	TRUE	1.00E-115
Non-allergic asthma	ITM2C	cg18994033	rs2918009	T	C	-0.239	0.028	0.233	3.79E-17	0.008	0.021	0.692	0.019	70.845	TRUE	1.24E-16
Non-allergic asthma	ITM2C	cg18994033	rs3111750	T	C	-0.473	0.049	0.064	3.36E-22	-0.017	0.032	0.594	0.025	93.823	TRUE	1.94E-21
Non-allergic asthma	ITM2C	cg18994033	rs3111784	G	A	0.213	0.037	0.113	1.15E-08	-0.024	0.024	0.305	0.009	32.557	TRUE	3.20E-08
Non-allergic asthma	ITM2C	cg18994033	rs59034351	T	C	-0.928	0.087	0.017	8.99E-27	0.076	0.131	0.564	0.030	114.673	TRUE	8.30E-26
Non-allergic asthma	ITM2C	cg18994033	rs60237566	G	T	-0.945	0.024	0.230	<1E-200	-0.002	0.020	0.934	0.294	1538.619	TRUE	1.01E-293
Non-allergic asthma	ITM2C	cg18994033	rs60774594	C	T	0.711	0.078	0.021	5.73E-20	-0.167	0.164	0.309	0.022	83.665	TRUE	4.63E-19

Non-allergic asthma	ITM2C	cg18994033	rs6706979	A	G	-0.311	0.054	0.049	6.45E-09	0.009	0.050	0.865	0.009	33.677	TRUE	1.00E-08
Non-allergic asthma	ITM2C	cg18994033	rs73992965	G	A	0.312	0.046	0.070	7.29E-12	0.004	0.027	0.878	0.013	46.922	TRUE	1.33E-11
Non-allergic asthma	ITM2C	cg18994033	rs755435	A	C	-0.267	0.027	0.242	6.35E-23	-0.009	0.017	0.621	0.026	97.122	TRUE	3.72E-22
Non-allergic asthma	ITM2C	cg18994033	rs7606212	A	G	-0.340	0.056	0.122	1.70E-09	0.016	0.023	0.505	0.010	36.268	TRUE	3.95E-09
Non-allergic asthma	ITM2C	cg18994033	rs76437481	G	C	-0.884	0.074	0.031	2.71E-33	0.038	0.055	0.482	0.038	144.463	TRUE	5.76E-32
Non-allergic asthma	ITM2C	cg18994033	rs934822	A	G	0.368	0.027	0.241	1.19E-42	-0.041	0.018	0.021	0.048	187.271	TRUE	1.01E-39
Non-allergic asthma	ITM2C	cg18994033	rs9653273	T	C	0.222	0.029	0.203	9.92E-15	-0.006	0.021	0.756	0.016	59.879	TRUE	2.50E-14
Non-allergic asthma	ITM2C	cg19455189	rs112711149	G	C	-0.859	0.112	0.025	1.33E-14	-0.018	0.039	0.638	0.016	59.295	TRUE	3.88E-14
Non-allergic asthma	ITM2C	cg19455189	rs114721632	A	G	-0.539	0.062	0.092	4.08E-18	0.024	0.032	0.466	0.020	75.244	TRUE	2.04E-17
Non-allergic asthma	ITM2C	cg19455189	rs13417093	G	A	0.232	0.030	0.171	2.00E-14	-0.009	0.021	0.677	0.016	58.503	TRUE	5.45E-14
Non-allergic asthma	ITM2C	cg19455189	rs13418270	G	A	0.608	0.032	0.143	8.55E-79	-0.047	0.020	0.022	0.087	353.000	TRUE	4.30E-73
Non-allergic asthma	ITM2C	cg19455189	rs2289235	A	G	0.317	0.023	0.467	3.74E-42	0.003	0.016	0.856	0.048	184.998	TRUE	9.43E-41
Non-allergic asthma	ITM2C	cg19455189	rs2466149	T	C	-0.238	0.035	0.304	8.68E-12	0.003	0.018	0.879	0.012	46.580	TRUE	1.57E-11
Non-allergic asthma	ITM2C	cg19455189	rs3111750	T	C	-0.320	0.049	0.064	6.34E-11	-0.017	0.032	0.594	0.011	42.690	TRUE	1.48E-10
Non-allergic asthma	ITM2C	cg19455189	rs3111784	G	A	0.235	0.037	0.113	3.14E-10	-0.024	0.024	0.305	0.011	39.564	TRUE	1.01E-09
Non-allergic asthma	ITM2C	cg19455189	rs59034351	T	C	-0.788	0.087	0.017	1.18E-19	0.076	0.131	0.564	0.022	82.232	TRUE	5.74E-19
Non-allergic asthma	ITM2C	cg19455189	rs60237566	G	T	-0.897	0.024	0.230	2.12E-294	-0.002	0.020	0.934	0.267	1344.035	TRUE	2.32E-260
Non-allergic asthma	ITM2C	cg19455189	rs60774594	C	T	0.525	0.078	0.021	1.62E-11	-0.167	0.164	0.309	0.012	45.363	TRUE	5.85E-11
Non-allergic asthma	ITM2C	cg19455189	rs73992965	G	A	0.287	0.046	0.070	3.14E-10	0.004	0.027	0.878	0.011	39.563	TRUE	5.20E-10
Non-allergic asthma	ITM2C	cg19455189	rs755435	A	C	-0.269	0.027	0.242	3.38E-23	-0.009	0.017	0.621	0.026	98.368	TRUE	2.03E-22
Non-allergic asthma	ITM2C	cg19455189	rs7567211	G	A	-0.625	0.073	0.031	7.14E-18	0.034	0.054	0.524	0.020	74.137	TRUE	3.18E-17
Non-allergic asthma	ITM2C	cg20020161	rs116469226	C	T	0.479	0.086	0.017	2.81E-08	-0.061	0.041	0.131	0.008	30.815	TRUE	1.05E-07
Non-allergic asthma	ITM2C	cg20020161	rs3111750	T	C	-0.411	0.049	0.064	4.23E-17	-0.017	0.032	0.594	0.019	70.628	TRUE	1.59E-16
Non-allergic asthma	ITM2C	cg20020161	rs59481475	A	G	0.510	0.033	0.140	8.70E-55	-0.046	0.020	0.023	0.062	242.873	TRUE	4.91E-51
Non-allergic asthma	ITM2C	cg20020161	rs60237566	G	T	-0.672	0.027	0.230	1.49E-137	-0.002	0.020	0.934	0.144	622.880	TRUE	1.85E-128
Non-allergic asthma	ITM2C	cg20020161	rs60774594	C	T	0.514	0.078	0.021	4.03E-11	-0.167	0.164	0.309	0.012	43.574	TRUE	1.41E-10
Non-allergic asthma	ITM2C	cg20020161	rs755435	A	C	-0.170	0.027	0.242	3.70E-10	-0.009	0.017	0.621	0.010	39.244	TRUE	7.93E-10
Non-allergic asthma	ITM2C	cg20020161	rs76437481	G	C	-0.830	0.074	0.031	2.09E-29	0.038	0.055	0.482	0.033	126.701	TRUE	2.95E-28
Non-allergic asthma	ITM2C	cg20020161	rs934822	A	G	0.263	0.027	0.241	1.93E-22	-0.041	0.018	0.021	0.025	94.917	TRUE	8.94E-21
Non-allergic asthma	ITM2C	cg20020161	rs9653273	T	C	0.166	0.029	0.203	7.27E-09	-0.006	0.021	0.756	0.009	33.444	TRUE	1.25E-08
Non-allergic asthma	ITM2C	cg20307347	rs114721632	A	G	-0.487	0.062	0.092	5.13E-15	0.024	0.032	0.466	0.016	61.177	TRUE	1.96E-14
Non-allergic asthma	ITM2C	cg20307347	rs116469226	C	T	0.719	0.086	0.017	5.86E-17	-0.061	0.041	0.131	0.019	69.985	TRUE	5.80E-16
Non-allergic asthma	ITM2C	cg20307347	rs3111750	T	C	-0.494	0.049	0.064	3.76E-24	-0.017	0.032	0.594	0.027	102.717	TRUE	2.57E-23
Non-allergic asthma	ITM2C	cg20307347	rs3111784	G	A	0.285	0.037	0.113	2.10E-14	-0.024	0.024	0.305	0.016	58.401	TRUE	1.00E-13
Non-allergic asthma	ITM2C	cg20307347	rs59034351	T	C	-0.826	0.087	0.017	1.87E-21	0.076	0.131	0.564	0.024	90.432	TRUE	1.06E-20
Non-allergic asthma	ITM2C	cg20307347	rs60237566	G	T	-0.819	0.026	0.230	8.46E-214	-0.002	0.020	0.934	0.208	973.374	TRUE	2.67E-194
Non-allergic asthma	ITM2C	cg20307347	rs60774594	C	T	0.748	0.078	0.021	5.86E-22	-0.167	0.164	0.309	0.024	92.725	TRUE	5.78E-21
Non-allergic asthma	ITM2C	cg20307347	rs6436977	C	A	0.328	0.023	0.473	2.06E-45	0.002	0.016	0.906	0.051	199.917	TRUE	6.78E-44
Non-allergic asthma	ITM2C	cg20307347	rs73992965	G	A	0.343	0.046	0.070	5.18E-14	0.004	0.027	0.878	0.015	56.632	TRUE	1.08E-13
Non-allergic asthma	ITM2C	cg20307347	rs755435	A	C	-0.283	0.027	0.242	1.50E-25	-0.009	0.017	0.621	0.029	109.091	TRUE	1.12E-24
Non-allergic asthma	ITM2C	cg20307347	rs7567211	G	A	-0.509	0.073	0.031	2.49E-12	0.034	0.054	0.524	0.013	49.025	TRUE	7.06E-12
Non-allergic asthma	ITM2C	cg20307347	rs7606212	A	G	-0.441	0.056	0.122	4.60E-15	0.016	0.023	0.505	0.016	61.390	TRUE	1.67E-14

Non-allergic asthma	ITM2C	cg20307347	rs78229572	G	A	-0.280	0.048	0.058	4.23E-09	-0.024	0.030	0.425	0.009	34.495	TRUE	1.05E-08
Non-allergic asthma	ITM2C	cg20307347	rs934822	A	G	0.274	0.027	0.241	3.80E-24	-0.041	0.018	0.021	0.027	102.697	TRUE	2.22E-22
Non-allergic asthma	ITM2C	cg20307347	rs9808500	T	C	0.836	0.032	0.140	1.11E-150	-0.053	0.022	0.017	0.156	683.212	TRUE	5.48E-137
Non-allergic asthma	ITM2C	cg20333027	rs184122315	T	C	0.808	0.090	0.017	1.73E-19	0.030	0.116	0.794	0.022	81.479	TRUE	5.87E-19
Non-allergic asthma	ITM2C	cg20333027	rs3098325	C	T	0.396	0.028	0.238	1.52E-45	0.027	0.019	0.160	0.051	200.519	TRUE	4.46E-43
Non-allergic asthma	ITM2C	cg20333027	rs3111784	G	A	-0.309	0.037	0.113	8.69E-17	-0.024	0.024	0.305	0.018	69.208	TRUE	5.20E-16
Non-allergic asthma	ITM2C	cg20333027	rs528289941	C	T	-0.556	0.084	0.020	2.85E-11	-0.054	0.041	0.182	0.012	44.256	TRUE	1.30E-10
Non-allergic asthma	ITM2C	cg20333027	rs59481475	A	G	-0.637	0.032	0.140	2.35E-86	-0.046	0.020	0.023	0.095	387.710	TRUE	5.35E-80
Non-allergic asthma	ITM2C	cg20333027	rs60774594	C	T	-0.567	0.078	0.021	3.28E-13	-0.167	0.164	0.309	0.014	53.002	TRUE	1.39E-12
Non-allergic asthma	ITM2C	cg20333027	rs62195326	A	C	0.348	0.027	0.247	7.27E-39	-0.016	0.017	0.354	0.044	169.943	TRUE	4.10E-37
Non-allergic asthma	ITM2C	cg20333027	rs6710419	A	G	-0.417	0.048	0.068	6.87E-18	0.035	0.036	0.320	0.020	74.213	TRUE	4.43E-17
Non-allergic asthma	ITM2C	cg20333027	rs73992921	G	C	0.822	0.029	0.174	5.29E-177	-0.016	0.021	0.439	0.179	804.203	TRUE	5.74E-162
Non-allergic asthma	ITM2C	cg20333027	rs78229572	G	A	0.402	0.047	0.058	2.21E-17	-0.024	0.030	0.425	0.019	71.910	TRUE	1.11E-16
Non-allergic asthma	ITM2C	cg20333027	rs9653273	T	C	-0.224	0.029	0.203	6.71E-15	-0.006	0.021	0.756	0.016	60.648	TRUE	1.71E-14
Non-allergic asthma	ITM2C	cg21299958	rs73992921	G	C	0.222	0.030	0.174	2.57E-13	-0.016	0.021	0.439	0.014	53.480	TRUE	8.89E-13
Non-allergic asthma	ITM2C	cg22177286	rs114721632	A	G	0.523	0.062	0.092	4.12E-17	0.024	0.032	0.466	0.019	70.679	TRUE	1.89E-16
Non-allergic asthma	ITM2C	cg22177286	rs116469226	C	T	-0.690	0.086	0.017	1.03E-15	-0.061	0.041	0.131	0.017	64.337	TRUE	8.87E-15
Non-allergic asthma	ITM2C	cg22177286	rs13417093	G	A	-0.264	0.030	0.171	2.88E-18	-0.009	0.021	0.677	0.020	75.929	TRUE	1.05E-17
Non-allergic asthma	ITM2C	cg22177286	rs3111784	G	A	-0.288	0.037	0.113	1.06E-14	-0.024	0.024	0.305	0.016	59.754	TRUE	5.19E-14
Non-allergic asthma	ITM2C	cg22177286	rs3816150	C	T	-0.330	0.023	0.470	9.04E-46	0.004	0.016	0.817	0.052	201.559	TRUE	3.76E-44
Non-allergic asthma	ITM2C	cg22177286	rs60237566	G	T	0.761	0.027	0.230	1.38E-180	-0.002	0.020	0.934	0.182	820.673	TRUE	4.82E-166
Non-allergic asthma	ITM2C	cg22177286	rs60774594	C	T	-0.656	0.078	0.021	3.10E-17	-0.167	0.164	0.309	0.019	71.239	TRUE	1.93E-16
Non-allergic asthma	ITM2C	cg22177286	rs62195288	T	C	-0.676	0.033	0.140	1.01E-95	-0.052	0.022	0.018	0.104	430.720	TRUE	2.23E-88
Non-allergic asthma	ITM2C	cg22177286	rs62195326	A	C	0.287	0.027	0.247	8.86E-27	-0.016	0.017	0.354	0.030	114.702	TRUE	1.28E-25
Non-allergic asthma	ITM2C	cg22177286	rs6436979	T	C	0.826	0.084	0.020	1.38E-22	0.088	0.130	0.501	0.025	95.585	TRUE	9.68E-22
Non-allergic asthma	ITM2C	cg22177286	rs78229572	G	A	0.406	0.047	0.058	1.26E-17	-0.024	0.030	0.425	0.019	73.023	TRUE	6.46E-17
Non-allergic asthma	ITPR1	cg02799411	rs2279748	C	G	-0.220	0.025	0.358	6.43E-19	0.012	0.016	0.464	0.021	78.888	TRUE	3.46E-18
Non-allergic asthma	ITPR1	cg03648908	rs11712971	A	G	-0.263	0.029	0.205	9.35E-20	0.005	0.018	0.799	0.022	82.698	TRUE	3.21E-19
Non-allergic asthma	ITPR1	cg03648908	rs140128694	A	G	0.818	0.094	0.032	4.32E-18	0.059	0.096	0.537	0.020	75.131	TRUE	1.92E-17
Non-allergic asthma	ITPR1	cg03648908	rs1550559	A	G	-0.236	0.026	0.269	7.47E-20	0.018	0.018	0.329	0.022	83.140	TRUE	5.71E-19
Non-allergic asthma	ITPR1	cg03648908	rs3805009	A	G	0.726	0.026	0.244	2.25E-173	0.001	0.020	0.967	0.176	787.526	TRUE	6.96E-160
Non-allergic asthma	ITPR1	cg03648908	rs4685815	T	C	0.628	0.085	0.035	1.71E-13	-0.067	0.044	0.128	0.014	54.286	TRUE	1.16E-12
Non-allergic asthma	ITPR1	cg03836615	rs2304820	C	T	0.328	0.028	0.215	2.90E-31	-0.034	0.018	0.061	0.035	135.184	TRUE	2.51E-29
Non-allergic asthma	ITPR1	cg03836615	rs901853	T	G	-0.633	0.082	0.042	1.10E-14	0.048	0.055	0.377	0.016	59.675	TRUE	4.73E-14
Non-allergic asthma	ITPR1	cg05795849	rs17786144	C	T	0.309	0.034	0.129	2.00E-19	-0.057	0.027	0.038	0.021	81.199	TRUE	4.78E-18
Non-allergic asthma	ITPR1	cg05795849	rs2053504	G	A	0.142	0.024	0.409	3.13E-09	-0.034	0.016	0.030	0.009	35.080	TRUE	2.08E-08
Non-allergic asthma	ITPR1	cg05795849	rs2633714	G	A	-0.187	0.025	0.326	1.11E-13	0.014	0.017	0.385	0.015	55.126	TRUE	4.32E-13
Non-allergic asthma	ITPR1	cg05795849	rs3828436	G	T	-0.304	0.024	0.401	2.31E-37	0.046	0.016	0.003	0.042	163.067	TRUE	2.26E-34
Non-allergic asthma	ITPR1	cg05795849	rs6772040	T	C	-0.360	0.059	0.084	8.03E-10	-0.049	0.032	0.126	0.010	37.732	TRUE	3.62E-09
Non-allergic asthma	ITPR1	cg05795849	rs931387	C	T	-0.175	0.025	0.345	9.96E-13	0.007	0.016	0.647	0.014	50.825	TRUE	2.49E-12
Non-allergic asthma	ITPR1	cg08998950	rs2119802	A	G	0.574	0.046	0.185	4.49E-35	0.026	0.019	0.174	0.040	152.604	TRUE	3.06E-33
Non-allergic asthma	ITPR1	cg08998950	rs3805015	G	A	0.183	0.033	0.418	1.98E-08	-0.022	0.016	0.184	0.008	31.497	TRUE	6.64E-08

Non-allergic asthma	ITPR1	cg08998950	rs75652455	T	C	0.931	0.102	0.023	9.98E-20	-0.089	0.073	0.228	0.022	82.568	TRUE	9.67E-19
Non-allergic asthma	ITPR1	cg08998950	rs901854	G	A	0.463	0.023	0.397	1.60E-87	-0.009	0.016	0.568	0.096	393.065	TRUE	8.77E-83
Non-allergic asthma	ITPR1	cg08998950	rs9838930	C	T	0.217	0.024	0.395	1.83E-19	0.008	0.017	0.631	0.022	81.366	TRUE	7.88E-19
Non-allergic asthma	ITPR1	cg09654471	rs115959858	A	G	-0.414	0.071	0.068	4.59E-09	0.023	0.035	0.517	0.009	34.339	TRUE	1.01E-08
Non-allergic asthma	ITPR1	cg09654471	rs2639801	G	A	-0.210	0.038	0.300	2.43E-08	-0.019	0.017	0.278	0.008	31.099	TRUE	6.84E-08
Non-allergic asthma	ITPR1	cg09654471	rs4685775	G	A	-0.360	0.041	0.099	2.46E-18	0.011	0.024	0.635	0.020	76.244	TRUE	9.57E-18
Non-allergic asthma	ITPR1	cg09654471	rs56098012	C	A	0.222	0.025	0.467	7.54E-19	0.013	0.016	0.414	0.021	78.576	TRUE	4.41E-18
Non-allergic asthma	ITPR1	cg09654471	rs73102490	A	G	-1.291	0.037	0.106	1.79E-272	-0.011	0.022	0.629	0.252	1243.190	TRUE	5.05E-242
Non-allergic asthma	ITPR1	cg10887945	rs3792497	T	C	0.178	0.027	0.244	3.28E-11	0.001	0.020	0.974	0.012	43.977	TRUE	5.21E-11
Non-allergic asthma	ITPR1	cg11584376	rs11922422	C	G	0.237	0.031	0.161	1.79E-14	0.024	0.023	0.304	0.016	58.722	TRUE	8.61E-14
Non-allergic asthma	ITPR1	cg11584376	rs55963437	T	C	-0.179	0.033	0.139	4.81E-08	-0.036	0.027	0.170	0.008	29.774	TRUE	1.59E-07
Non-allergic asthma	ITPR1	cg11584376	rs6781893	T	C	0.215	0.029	0.204	1.60E-13	0.016	0.019	0.402	0.014	54.409	TRUE	5.97E-13
Non-allergic asthma	ITPR1	cg11584376	rs6785305	A	G	0.224	0.031	0.435	8.50E-13	0.009	0.016	0.577	0.014	51.136	TRUE	2.33E-12
Non-allergic asthma	ITPR1	cg11584376	rs9880589	G	T	-0.472	0.023	0.452	5.16E-97	-0.034	0.016	0.032	0.106	436.647	TRUE	8.74E-90
Non-allergic asthma	ITPR1	cg11600734	rs2279748	C	G	-0.205	0.025	0.358	1.02E-16	0.012	0.016	0.464	0.018	68.884	TRUE	4.55E-16
Non-allergic asthma	ITPR1	cg13707945	rs4684433	C	T	-0.140	0.025	0.329	1.38E-08	0.016	0.016	0.321	0.009	32.203	TRUE	3.72E-08
Non-allergic asthma	ITPR1	cg18689402	rs115959858	A	G	-0.391	0.071	0.068	3.34E-08	0.023	0.035	0.517	0.008	30.483	TRUE	6.91E-08
Non-allergic asthma	ITPR1	cg18689402	rs11712103	C	G	-0.350	0.049	0.114	8.14E-13	0.015	0.018	0.416	0.014	51.220	TRUE	2.79E-12
Non-allergic asthma	ITPR1	cg18689402	rs2639801	G	A	-0.366	0.037	0.300	8.00E-23	-0.019	0.017	0.278	0.025	96.664	TRUE	9.31E-22
Non-allergic asthma	ITPR1	cg18689402	rs56098012	C	A	0.349	0.025	0.467	6.39E-45	0.013	0.016	0.414	0.051	197.668	TRUE	6.43E-43
Non-allergic asthma	ITPR1	cg18689402	rs6785564	G	A	-1.121	0.030	0.143	<1E-200	-0.023	0.022	0.294	0.279	1429.598	TRUE	2.46E-273
Non-allergic asthma	ITPR1	cg19885037	rs7631664	G	A	-0.228	0.029	0.205	3.14E-15	0.007	0.019	0.724	0.017	62.143	TRUE	8.55E-15
Non-allergic asthma	ITPR1	cg21407899	rs1051559	G	A	0.405	0.030	0.188	9.11E-43	-0.010	0.020	0.627	0.048	187.804	TRUE	4.06E-41
Non-allergic asthma	ITPR1	cg21407899	rs13096481	T	C	-0.140	0.025	0.319	3.58E-08	0.030	0.017	0.082	0.008	30.349	TRUE	1.53E-07
Non-allergic asthma	ITPR1	cg21407899	rs17041507	C	T	1.001	0.118	0.017	2.16E-17	0.017	0.043	0.699	0.019	71.950	TRUE	7.15E-17
Non-allergic asthma	ITPR1	cg26389914	rs11712971	A	G	-0.269	0.029	0.205	4.52E-21	0.005	0.018	0.799	0.023	88.682	TRUE	1.72E-20
Non-allergic asthma	ITPR1	cg26389914	rs143961394	C	T	0.620	0.092	0.032	1.87E-11	0.065	0.095	0.494	0.012	45.080	TRUE	5.13E-11
Non-allergic asthma	ITPR1	cg26389914	rs1550559	A	G	-0.242	0.026	0.269	3.01E-21	0.018	0.018	0.329	0.024	89.491	TRUE	2.63E-20
Non-allergic asthma	ITPR1	cg26389914	rs3805009	A	G	0.737	0.025	0.244	5.40E-186	0.001	0.020	0.967	0.186	845.537	TRUE	9.47E-171
Non-allergic asthma	ITPR1	cg26389914	rs4685807	G	A	0.211	0.031	0.156	9.58E-12	0.007	0.024	0.754	0.012	46.387	TRUE	1.98E-11
Non-allergic asthma	ITPR1	cg26389914	rs4685815	T	C	0.602	0.084	0.035	5.96E-13	-0.067	0.044	0.128	0.014	51.833	TRUE	3.81E-12
Non-allergic asthma	ITPR1	cg26389914	rs77255589	T	C	0.362	0.061	0.038	2.63E-09	0.031	0.059	0.607	0.009	35.423	TRUE	5.37E-09
Non-allergic asthma	JAK1	cg00153395	rs2780889	T	A	-0.176	0.025	0.337	2.13E-12	-0.024	0.016	0.130	0.013	49.335	TRUE	1.27E-11
Non-allergic asthma	JAK1	cg07453451	rs11208554	C	G	-0.219	0.027	0.237	2.79E-16	-0.005	0.017	0.755	0.018	66.912	TRUE	7.86E-16
Non-allergic asthma	JAK1	cg10873475	rs12142901	C	T	0.552	0.055	0.048	1.14E-23	0.132	0.052	0.012	0.026	100.524	TRUE	8.02E-22
Non-allergic asthma	JAK1	cg12075498	rs11208599	T	G	0.223	0.040	0.097	2.21E-08	0.011	0.030	0.722	0.008	31.288	TRUE	3.79E-08
Non-allergic asthma	JAK1	cg12075498	rs146551445	A	T	-0.580	0.060	0.038	2.39E-22	-0.031	0.045	0.498	0.025	94.498	TRUE	1.65E-21
Non-allergic asthma	JAK1	cg12075498	rs1926301	G	A	-0.291	0.038	0.225	3.21E-14	-0.024	0.017	0.154	0.015	57.569	TRUE	2.17E-13
Non-allergic asthma	JAK1	cg12075498	rs2935411	G	T	-0.505	0.029	0.199	7.78E-69	0.002	0.020	0.926	0.077	307.302	TRUE	5.81E-66
Non-allergic asthma	JAK1	cg12075498	rs2993612	C	T	-0.946	0.033	0.129	8.36E-180	0.034	0.020	0.087	0.181	817.082	TRUE	5.04E-163
Non-allergic asthma	JAK1	cg12075498	rs3002681	A	G	-0.431	0.025	0.327	7.94E-68	-0.005	0.016	0.746	0.076	302.674	TRUE	8.20E-65
Non-allergic asthma	JAK1	cg12075498	rs310251	G	A	-0.896	0.022	0.294	<1E-200	-0.006	0.017	0.709	0.314	1690.680	TRUE	<1E-200

Non-allergic asthma	JAK1	cg12075498	rs61784750	A	T	-0.893	0.085	0.020	4.30E-26	-0.062	0.089	0.483	0.029	111.575	TRUE	4.35E-25
Non-allergic asthma	JAK1	cg12075498	rs72675457	T	C	-0.718	0.047	0.063	5.57E-53	0.094	0.038	0.013	0.060	234.595	TRUE	3.45E-49
Non-allergic asthma	JAK1	cg13420662	rs17397674	G	A	-0.313	0.043	0.074	1.76E-13	0.018	0.034	0.594	0.014	54.230	TRUE	4.96E-13
Non-allergic asthma	JAK1	cg15082498	rs61786114	C	T	0.240	0.042	0.075	1.04E-08	0.019	0.034	0.574	0.009	32.743	TRUE	2.11E-08
Non-allergic asthma	JAK1	cg22945413	rs11208575	A	G	-0.247	0.033	0.147	3.54E-14	0.011	0.023	0.628	0.015	57.379	TRUE	1.01E-13
Non-allergic asthma	JAK1	cg22945413	rs113661291	G	A	-0.236	0.032	0.154	1.56E-13	0.038	0.022	0.085	0.015	54.461	TRUE	1.27E-12
Non-allergic asthma	JAK1	cg22945413	rs149969748	A	G	-0.802	0.103	0.014	7.21E-15	-0.111	0.050	0.027	0.016	60.508	TRUE	1.08E-13
Non-allergic asthma	JAK1	cg22945413	rs167454	T	C	-0.224	0.028	0.224	1.06E-15	-0.015	0.018	0.384	0.017	64.276	TRUE	4.94E-15
Non-allergic asthma	JAK1	cg22945413	rs3014983	C	T	-0.167	0.028	0.223	1.59E-09	0.012	0.017	0.487	0.010	36.403	TRUE	3.77E-09
Non-allergic asthma	JAK1	cg22945413	rs61786113	A	G	-0.783	0.041	0.074	5.24E-80	0.019	0.034	0.574	0.088	358.569	TRUE	7.00E-76
Non-allergic asthma	JAK1	cg22945413	rs61786882	A	C	-0.226	0.034	0.126	2.43E-11	0.016	0.019	0.388	0.012	44.564	TRUE	7.65E-11
Non-allergic asthma	JAK1	cg25192081	rs310225	A	G	-0.174	0.027	0.229	1.49E-10	-0.014	0.018	0.436	0.011	41.021	TRUE	4.10E-10
Non-allergic asthma	JAK2	cg02405213	rs10974947	A	G	0.340	0.027	0.242	7.76E-36	-0.038	0.018	0.035	0.040	156.090	TRUE	1.74E-33
Non-allergic asthma	JAK2	cg02405213	rs10975044	C	G	-0.269	0.048	0.068	2.20E-08	-0.015	0.035	0.662	0.008	31.296	TRUE	3.99E-08
Non-allergic asthma	JAK2	cg02405213	rs117618324	A	G	-0.463	0.069	0.025	1.46E-11	0.042	0.041	0.305	0.012	45.559	TRUE	5.35E-11
Non-allergic asthma	JAK2	cg02405213	rs143285975	T	G	0.396	0.058	0.040	1.28E-11	0.037	0.053	0.490	0.012	45.824	TRUE	3.57E-11
Non-allergic asthma	JAK2	cg02405213	rs1536799	C	T	0.414	0.050	0.054	1.17E-16	0.044	0.038	0.247	0.018	68.619	TRUE	7.91E-16
Non-allergic asthma	JAK2	cg02405213	rs16922581	G	A	-1.046	0.117	0.021	3.65E-19	-0.061	0.104	0.559	0.021	80.005	TRUE	1.72E-18
Non-allergic asthma	JAK2	cg02405213	rs2381194	A	G	-0.554	0.034	0.134	9.24E-59	-0.016	0.023	0.469	0.066	261.091	TRUE	5.34E-56
Non-allergic asthma	JAK2	cg02405213	rs36051895	T	G	-0.893	0.023	0.293	<1E-200	0.022	0.017	0.178	0.293	1536.147	TRUE	7.18E-291
Non-allergic asthma	JAK2	cg02405213	rs62543884	C	T	-0.815	0.075	0.047	7.59E-28	0.073	0.047	0.118	0.031	119.575	TRUE	2.81E-26
Non-allergic asthma	JAK2	cg02405213	rs7853655	T	C	-0.197	0.024	0.406	6.89E-17	0.003	0.016	0.848	0.018	69.666	TRUE	1.80E-16
Non-allergic asthma	JAK2	cg02405213	rs78745832	T	C	-0.432	0.040	0.092	1.32E-26	0.040	0.032	0.211	0.030	113.907	TRUE	2.84E-25
Non-allergic asthma	JAK2	cg02405213	rs79372822	T	A	-0.751	0.097	0.027	7.83E-15	0.066	0.053	0.212	0.016	60.345	TRUE	4.80E-14
Non-allergic asthma	JAK2	cg03390472	rs11515395	G	T	-0.165	0.024	0.414	9.03E-12	-0.003	0.016	0.875	0.012	46.504	TRUE	1.64E-11
Non-allergic asthma	JAK2	cg03390472	rs117955585	T	C	-0.579	0.078	0.024	9.06E-14	-0.033	0.062	0.597	0.015	55.530	TRUE	2.61E-13
Non-allergic asthma	JAK2	cg03390472	rs12551254	T	C	-0.674	0.027	0.218	4.18E-135	-0.028	0.018	0.129	0.142	611.634	TRUE	1.75E-124
Non-allergic asthma	JAK2	cg03390472	rs144525011	G	C	-0.693	0.094	0.036	1.53E-13	-0.049	0.060	0.416	0.015	54.507	TRUE	5.57E-13
Non-allergic asthma	JAK2	cg03390472	rs150213183	A	G	-0.679	0.094	0.019	6.78E-13	-0.032	0.051	0.530	0.014	51.578	TRUE	1.99E-12
Non-allergic asthma	JAK2	cg03390472	rs1887428	G	C	0.227	0.025	0.364	3.26E-20	0.025	0.016	0.123	0.022	84.778	TRUE	4.82E-19
Non-allergic asthma	JAK2	cg03390472	rs72701653	G	A	0.284	0.049	0.058	8.53E-09	0.068	0.036	0.056	0.009	33.133	TRUE	4.44E-08
Non-allergic asthma	JAK2	cg03508284	rs10974933	G	C	0.349	0.063	0.033	2.73E-08	-0.103	0.046	0.026	0.008	30.877	TRUE	1.63E-07
Non-allergic asthma	JAK2	cg03508284	rs12555131	G	C	-0.223	0.032	0.163	3.99E-12	0.004	0.021	0.851	0.013	48.105	TRUE	7.60E-12
Non-allergic asthma	JAK2	cg03508284	rs150213183	A	G	-0.523	0.095	0.019	3.29E-08	-0.032	0.051	0.530	0.008	30.515	TRUE	6.71E-08
Non-allergic asthma	JAK2	cg03508284	rs2274472	C	T	0.537	0.024	0.368	2.96E-114	-0.013	0.016	0.446	0.122	515.837	TRUE	7.74E-107
Non-allergic asthma	JAK2	cg03508284	rs72701686	A	G	0.413	0.070	0.050	3.50E-09	-0.079	0.044	0.073	0.009	34.864	TRUE	1.76E-08
Non-allergic asthma	JAK2	cg03508284	rs75574230	A	T	-0.218	0.032	0.153	1.62E-11	-0.008	0.024	0.739	0.012	45.356	TRUE	3.36E-11
Non-allergic asthma	JAK2	cg03508284	rs7874495	G	A	-0.267	0.026	0.294	8.43E-25	0.025	0.016	0.119	0.028	105.679	TRUE	2.16E-23
Non-allergic asthma	JAK2	cg06858172	rs12554699	A	G	0.273	0.030	0.187	8.39E-20	-0.025	0.019	0.183	0.022	82.911	TRUE	9.41E-19
Non-allergic asthma	JAK2	cg07999015	rs112964046	A	T	-0.522	0.067	0.035	5.98E-15	-0.021	0.040	0.612	0.016	60.874	TRUE	1.85E-14
Non-allergic asthma	JAK2	cg07999015	rs12335546	T	C	-0.651	0.026	0.267	1.84E-139	0.035	0.017	0.036	0.146	631.650	TRUE	1.39E-127
Non-allergic asthma	JAK2	cg07999015	rs143285975	T	G	0.468	0.058	0.040	1.16E-15	0.037	0.053	0.490	0.017	64.097	TRUE	4.53E-15

Non-allergic asthma	JAK2	cg07999015	rs144525011	G	C	0.815	0.094	0.036	3.05E-18	-0.049	0.060	0.416	0.020	75.813	TRUE	1.69E-17
Non-allergic asthma	JAK2	cg07999015	rs150213183	A	G	0.788	0.094	0.019	6.73E-17	-0.032	0.051	0.530	0.018	69.712	TRUE	2.73E-16
Non-allergic asthma	JAK2	cg07999015	rs1887429	T	G	0.942	0.022	0.260	<1E-200	-0.013	0.018	0.458	0.335	1862.747	TRUE	<1E-200
Non-allergic asthma	JAK2	cg07999015	rs62543879	C	T	-0.528	0.086	0.037	8.57E-10	0.042	0.065	0.513	0.010	37.605	TRUE	2.02E-09
Non-allergic asthma	JAK2	cg07999015	rs6476919	C	T	-0.154	0.024	0.409	5.13E-11	0.001	0.016	0.938	0.012	43.103	TRUE	8.37E-11
Non-allergic asthma	JAK2	cg07999015	rs7026646	G	A	-0.490	0.051	0.053	2.70E-22	0.001	0.045	0.985	0.025	94.258	TRUE	8.57E-22
Non-allergic asthma	JAK2	cg07999015	rs7032487	G	T	0.168	0.024	0.406	1.52E-12	0.005	0.016	0.731	0.013	49.995	TRUE	3.40E-12
Non-allergic asthma	JAK2	cg07999015	rs72699528	G	C	0.366	0.067	0.032	4.16E-08	0.075	0.069	0.271	0.008	30.057	TRUE	1.16E-07
Non-allergic asthma	JAK2	cg07999015	rs72699555	G	C	-0.597	0.096	0.029	5.40E-10	-0.019	0.083	0.820	0.010	38.505	TRUE	9.34E-10
Non-allergic asthma	JAK2	cg07999015	rs7868678	A	G	0.783	0.069	0.032	7.98E-30	-0.028	0.063	0.655	0.034	128.607	TRUE	8.31E-29
Non-allergic asthma	JAK2	cg07999015	rs78745832	T	C	-0.258	0.041	0.092	2.04E-10	0.040	0.032	0.211	0.011	40.407	TRUE	7.96E-10
Non-allergic asthma	JAK2	cg13568515	rs10123976	T	A	-1.117	0.019	0.265	<1E-200	0.015	0.016	0.367	0.473	3314.124	TRUE	<1E-200
Non-allergic asthma	JAK2	cg13568515	rs10815223	T	C	0.165	0.025	0.338	6.07E-11	0.005	0.017	0.779	0.011	42.776	TRUE	1.16E-10
Non-allergic asthma	JAK2	cg13568515	rs113786699	T	C	-0.938	0.066	0.036	4.49E-46	-0.012	0.033	0.703	0.052	202.949	TRUE	2.50E-44
Non-allergic asthma	JAK2	cg13568515	rs117618324	A	G	-0.421	0.068	0.025	7.06E-10	0.042	0.041	0.305	0.010	37.984	TRUE	2.20E-09
Non-allergic asthma	JAK2	cg13568515	rs1327497	A	T	0.304	0.024	0.392	8.62E-37	-0.003	0.016	0.857	0.042	160.454	TRUE	1.22E-35
Non-allergic asthma	JAK2	cg13568515	rs1536799	C	T	0.317	0.050	0.054	2.20E-10	0.044	0.038	0.247	0.011	40.256	TRUE	7.99E-10
Non-allergic asthma	JAK2	cg13568515	rs16922581	G	A	-1.120	0.116	0.021	6.15E-22	-0.061	0.104	0.559	0.024	92.628	TRUE	3.67E-21
Non-allergic asthma	JAK2	cg13568515	rs547378966	C	A	0.372	0.030	0.187	7.38E-36	-0.023	0.019	0.228	0.041	156.187	TRUE	4.41E-34
Non-allergic asthma	JAK2	cg13568515	rs62543879	C	T	-0.616	0.085	0.037	5.40E-13	0.042	0.065	0.513	0.014	52.025	TRUE	1.64E-12
Non-allergic asthma	JAK2	cg13568515	rs7853655	T	C	-0.172	0.024	0.406	2.36E-13	0.003	0.016	0.848	0.014	53.653	TRUE	4.87E-13
Non-allergic asthma	JAK2	cg13568515	rs78745832	T	C	-0.434	0.040	0.092	5.53E-27	0.040	0.032	0.211	0.030	115.638	TRUE	1.24E-25
Non-allergic asthma	JAK2	cg20394284	rs12555131	G	C	0.296	0.032	0.163	2.67E-20	0.004	0.021	0.851	0.023	85.174	TRUE	8.88E-20
Non-allergic asthma	JAK2	cg20394284	rs1536799	C	T	0.386	0.050	0.054	1.02E-14	0.044	0.038	0.247	0.016	59.828	TRUE	5.67E-14
Non-allergic asthma	JAK2	cg20394284	rs1555477	T	C	0.166	0.024	0.429	1.85E-12	-0.012	0.016	0.447	0.013	49.609	TRUE	5.88E-12
Non-allergic asthma	JAK2	cg20394284	rs1887425	C	A	-0.310	0.024	0.415	4.08E-39	-0.012	0.016	0.474	0.044	171.092	TRUE	1.71E-37
Non-allergic asthma	JAK2	cg20394284	rs1887428	G	C	0.592	0.024	0.364	7.16E-137	0.025	0.016	0.123	0.144	619.753	TRUE	5.23E-126
Non-allergic asthma	JAK2	cg20394284	rs4637905	T	C	0.190	0.029	0.213	3.83E-11	-0.016	0.022	0.472	0.012	43.676	TRUE	1.05E-10
Non-allergic asthma	KAT5	cg04321396	rs4930305	T	C	-0.235	0.023	0.488	9.15E-24	0.006	0.016	0.704	0.027	100.956	TRUE	5.03E-23
Non-allergic asthma	KAT5	cg11327039	rs140609671	T	C	0.424	0.073	0.028	7.78E-09	-0.055	0.049	0.265	0.009	33.311	TRUE	2.35E-08
Non-allergic asthma	KAT5	cg11327039	rs2306363	T	G	0.402	0.029	0.210	1.20E-43	-0.075	0.022	5.59E-04	0.049	191.841	TRUE	7.52E-40
Non-allergic asthma	KAT5	cg11327039	rs578056	T	C	-0.238	0.030	0.188	3.13E-15	0.010	0.022	0.640	0.017	62.149	TRUE	9.52E-15
Non-allergic asthma	KAT5	cg11327039	rs72939141	A	G	0.656	0.115	0.018	1.28E-08	-0.083	0.072	0.244	0.009	32.350	TRUE	3.90E-08
Non-allergic asthma	KAT5	cg11637721	rs481482	T	C	-0.187	0.030	0.199	2.15E-10	0.013	0.021	0.530	0.011	40.304	TRUE	5.19E-10
Non-allergic asthma	KAT5	cg11637721	rs7123489	A	C	0.213	0.025	0.354	4.14E-18	0.024	0.016	0.134	0.020	75.214	TRUE	4.59E-17
Non-allergic asthma	KAT5	cg22114498	rs112437639	A	G	0.572	0.093	0.015	9.26E-10	-0.047	0.048	0.330	0.010	37.454	TRUE	2.76E-09
Non-allergic asthma	KAT5	cg22114498	rs113367966	T	C	0.642	0.071	0.030	1.21E-19	-0.038	0.047	0.419	0.022	82.193	TRUE	7.53E-19
Non-allergic asthma	KAT5	cg22114498	rs1204772	T	C	-0.196	0.032	0.153	8.49E-10	-0.023	0.020	0.261	0.010	37.623	TRUE	2.84E-09
Non-allergic asthma	KAT5	cg22114498	rs2306363	T	G	0.507	0.029	0.210	1.34E-69	-0.075	0.022	5.59E-04	0.078	310.799	TRUE	1.20E-63
Non-allergic asthma	KAT5	cg22114498	rs35733402	G	A	0.183	0.032	0.167	7.08E-09	-0.009	0.024	0.710	0.009	33.495	TRUE	1.27E-08
Non-allergic asthma	KAT5	cg22114498	rs61895677	T	C	-0.265	0.023	0.454	9.23E-30	-0.002	0.016	0.887	0.034	128.319	TRUE	6.30E-29
Non-allergic asthma	KAT5	cg22114498	rs71455787	G	A	0.205	0.029	0.207	7.87E-13	-0.020	0.022	0.351	0.014	51.287	TRUE	2.99E-12

Non-allergic asthma	KDM1A	cg01718365	rs6658785	C	T	0.235	0.030	0.179	9.93E-15	-0.018	0.021	0.385	0.016	59.878	TRUE	4.23E-14
Non-allergic asthma	KDM1A	cg22683154	rs4620508	T	C	0.140	0.025	0.327	1.99E-08	-0.038	0.017	0.024	0.008	31.486	TRUE	1.25E-07
Non-allergic asthma	KDM1A	cg23271558	rs2072945	A	C	-0.264	0.032	0.151	1.58E-16	0.031	0.025	0.211	0.018	68.029	TRUE	1.15E-15
Non-allergic asthma	KIT	cg01819568	rs3819385	A	G	0.408	0.057	0.049	8.35E-13	0.076	0.028	0.007	0.014	51.169	TRUE	1.40E-11
Non-allergic asthma	KIT	cg06483432	rs12643659	G	T	-0.495	0.051	0.057	1.86E-22	-0.009	0.035	0.800	0.025	94.998	TRUE	7.87E-22
Non-allergic asthma	KIT	cg06483432	rs3819387	G	A	0.243	0.024	0.386	5.66E-24	0.000	0.017	0.994	0.027	101.906	TRUE	2.01E-23
Non-allergic asthma	KIT	cg17854066	rs6855603	G	A	-0.200	0.023	0.486	1.35E-17	0.010	0.016	0.515	0.019	72.880	TRUE	5.96E-17
Non-allergic asthma	KIT	cg18836493	rs981959	G	T	0.367	0.024	0.433	6.13E-55	-0.018	0.016	0.247	0.062	243.570	TRUE	4.53E-52
Non-allergic asthma	KIT	cg19041419	rs7684000	T	A	-0.175	0.024	0.407	1.69E-13	-0.015	0.016	0.353	0.014	54.311	TRUE	6.79E-13
Non-allergic asthma	LACRT	cg07855572	rs10876571	G	A	-0.382	0.023	0.493	1.29E-61	0.049	0.016	0.002	0.069	274.183	TRUE	1.24E-56
Non-allergic asthma	LACRT	cg07855572	rs12828072	G	T	-0.278	0.035	0.130	1.91E-15	-0.002	0.024	0.920	0.017	63.123	TRUE	4.14E-15
Non-allergic asthma	LACRT	cg07855572	rs1533235	G	C	0.190	0.027	0.238	4.10E-12	-0.040	0.017	0.018	0.013	48.052	TRUE	4.81E-11
Non-allergic asthma	LACRT	cg07855572	rs35645565	A	C	0.143	0.024	0.371	5.71E-09	-0.019	0.019	0.314	0.009	33.912	TRUE	1.62E-08
Non-allergic asthma	LACRT	cg07855572	rs73317693	A	G	-0.366	0.034	0.137	4.31E-27	0.019	0.020	0.343	0.030	116.129	TRUE	6.63E-26
Non-allergic asthma	LACRT	cg07855572	rs7977008	C	G	-0.579	0.084	0.039	5.96E-12	0.011	0.039	0.766	0.013	47.318	TRUE	1.23E-11
Non-allergic asthma	LAPTM4A	cg00289125	rs1147117	T	A	0.190	0.026	0.288	9.60E-14	-0.006	0.020	0.766	0.015	55.418	TRUE	2.23E-13
Non-allergic asthma	LAPTM4A	cg07509646	rs1147117	T	A	0.186	0.026	0.288	2.99E-13	-0.006	0.020	0.766	0.014	53.186	TRUE	6.73E-13
Non-allergic asthma	LAPTM4A	cg08323277	rs3731673	A	C	-0.199	0.029	0.205	4.95E-12	0.034	0.017	0.049	0.013	47.683	TRUE	4.12E-11
Non-allergic asthma	LAPTM4A	cg11245806	rs13022175	T	C	0.219	0.023	0.437	1.13E-20	-0.019	0.017	0.259	0.023	86.866	TRUE	1.11E-19
Non-allergic asthma	LAPTM4A	cg11245806	rs1513830	C	T	-0.484	0.028	0.208	2.40E-65	0.034	0.017	0.047	0.073	291.294	TRUE	4.84E-61
Non-allergic asthma	LAPTM4A	cg11245806	rs62109386	A	G	-0.205	0.028	0.227	3.70E-13	0.003	0.018	0.866	0.014	52.767	TRUE	7.39E-13
Non-allergic asthma	LAPTM4A	cg11245806	rs62112220	A	G	-0.439	0.072	0.029	1.02E-09	0.001	0.095	0.992	0.010	37.266	TRUE	1.47E-09
Non-allergic asthma	LAPTM4A	cg11245806	rs6747472	T	C	0.293	0.026	0.293	1.94E-29	-0.008	0.018	0.632	0.033	126.845	TRUE	2.03E-28
Non-allergic asthma	LAPTM4A	cg11245806	rs6756290	G	T	0.140	0.024	0.439	2.80E-09	0.009	0.016	0.595	0.009	35.297	TRUE	5.79E-09
Non-allergic asthma	LAPTM4A	cg11245806	rs75750075	T	A	-0.335	0.053	0.050	3.61E-10	0.059	0.031	0.055	0.011	39.291	TRUE	2.27E-09
Non-allergic asthma	LAPTM4A	cg11645081	rs1947730	C	T	0.140	0.023	0.429	2.22E-09	-0.001	0.016	0.930	0.010	35.755	TRUE	3.33E-09
Non-allergic asthma	LAPTM4A	cg11645081	rs61193764	C	T	0.357	0.032	0.162	4.79E-29	-0.018	0.020	0.375	0.033	125.054	TRUE	8.35E-28
Non-allergic asthma	LAPTM4A	cg17953136	rs6705765	G	A	0.220	0.024	0.366	2.11E-19	0.020	0.016	0.205	0.021	81.092	TRUE	2.11E-18
Non-allergic asthma	LAPTM4A	cg17989428	rs12052278	A	G	0.248	0.033	0.146	3.70E-14	-0.023	0.030	0.432	0.015	57.293	TRUE	1.39E-13
Non-allergic asthma	LAPTM4A	cg19484160	rs6747472	T	C	0.196	0.026	0.293	2.23E-14	-0.008	0.018	0.632	0.016	58.283	TRUE	6.43E-14
Non-allergic asthma	LAPTM4A	cg22201381	rs28380549	A	G	0.146	0.024	0.403	1.05E-09	-0.013	0.017	0.449	0.010	37.216	TRUE	2.64E-09
Non-allergic asthma	LAPTM4A	cg22201381	rs3754909	G	A	-0.236	0.025	0.357	9.58E-22	0.024	0.016	0.144	0.024	91.753	TRUE	1.54E-20
Non-allergic asthma	LAPTM4A	cg23821541	rs6747472	T	C	0.285	0.025	0.293	4.90E-29	-0.008	0.018	0.632	0.033	125.008	TRUE	4.94E-28
Non-allergic asthma	LGMN	cg00903825	rs10143182	C	T	-0.245	0.028	0.241	1.50E-18	0.012	0.022	0.583	0.020	77.221	TRUE	6.43E-18
Non-allergic asthma	LGMN	cg00903825	rs113906812	T	C	0.406	0.055	0.044	1.11E-13	-0.039	0.033	0.234	0.015	55.137	TRUE	5.72E-13
Non-allergic asthma	LGMN	cg00903825	rs118188631	A	T	-0.402	0.070	0.027	9.30E-09	0.008	0.034	0.816	0.009	32.964	TRUE	1.50E-08
Non-allergic asthma	LGMN	cg00903825	rs12891909	T	C	0.182	0.027	0.258	6.90E-12	0.018	0.019	0.323	0.013	47.031	TRUE	2.52E-11
Non-allergic asthma	LGMN	cg00903825	rs150913052	T	C	0.551	0.059	0.039	8.77E-21	0.108	0.034	0.002	0.023	87.375	TRUE	8.00E-19
Non-allergic asthma	LGMN	cg00903825	rs185397045	T	C	0.399	0.066	0.031	1.21E-09	0.053	0.053	0.317	0.010	36.938	TRUE	3.63E-09
Non-allergic asthma	LGMN	cg00903825	rs2236264	T	C	-0.356	0.031	0.163	5.57E-30	-0.013	0.020	0.517	0.034	129.320	TRUE	7.74E-29
Non-allergic asthma	LGMN	cg00903825	rs2402189	A	C	0.800	0.020	0.390	<1E-200	0.007	0.016	0.642	0.298	1571.127	TRUE	1.81E-298
Non-allergic asthma	LGMN	cg00903825	rs35291284	T	C	0.176	0.028	0.219	6.02E-10	0.028	0.018	0.114	0.010	38.293	TRUE	2.86E-09

Non-allergic asthma	LGMN	cg00903825	rs3783925	G	A	0.157	0.024	0.365	1.36E-10	-0.020	0.016	0.218	0.011	41.193	TRUE	5.34E-10
Non-allergic asthma	LGMN	cg00903825	rs3783933	T	C	-0.306	0.029	0.198	3.91E-26	-0.044	0.019	0.024	0.029	111.764	TRUE	2.82E-24
Non-allergic asthma	LGMN	cg00903825	rs4904981	A	G	0.383	0.031	0.172	2.35E-34	0.042	0.019	0.025	0.039	149.314	TRUE	5.22E-32
Non-allergic asthma	LGMN	cg00903825	rs68062833	A	G	0.269	0.042	0.183	8.46E-11	0.017	0.024	0.488	0.011	42.125	TRUE	2.22E-10
Non-allergic asthma	LGMN	cg00903825	rs76392320	G	C	0.355	0.047	0.064	3.29E-14	0.001	0.038	0.989	0.015	57.522	TRUE	6.09E-14
Non-allergic asthma	LGMN	cg00903825	rs943656	A	G	-0.154	0.027	0.239	1.11E-08	0.016	0.018	0.399	0.009	32.621	TRUE	2.73E-08
Non-allergic asthma	LGMN	cg01051583	rs1271816	C	T	0.192	0.026	0.319	5.70E-14	-0.003	0.017	0.849	0.015	56.442	TRUE	1.22E-13
Non-allergic asthma	LGMN	cg01051583	rs2236264	T	C	-0.351	0.031	0.163	2.33E-30	-0.013	0.020	0.517	0.034	131.048	TRUE	3.37E-29
Non-allergic asthma	LGMN	cg02139485	rs8177525	A	C	0.403	0.044	0.158	5.04E-20	-0.042	0.020	0.034	0.022	83.918	TRUE	1.36E-18
Non-allergic asthma	LGMN	cg02628202	rs10148060	G	A	-0.180	0.025	0.333	2.23E-13	0.006	0.016	0.700	0.014	53.758	TRUE	5.49E-13
Non-allergic asthma	LGMN	cg02628202	rs118188631	A	T	0.415	0.070	0.027	2.93E-09	0.008	0.034	0.816	0.009	35.210	TRUE	4.87E-09
Non-allergic asthma	LGMN	cg02628202	rs12883478	A	G	-0.376	0.034	0.341	1.45E-28	0.035	0.016	0.036	0.032	122.857	TRUE	1.19E-26
Non-allergic asthma	LGMN	cg02628202	rs13379303	A	G	-0.223	0.030	0.187	1.94E-13	0.026	0.018	0.148	0.014	54.032	TRUE	1.23E-12
Non-allergic asthma	LGMN	cg02628202	rs141596389	G	T	0.392	0.066	0.030	2.12E-09	-0.074	0.072	0.307	0.010	35.845	TRUE	6.31E-09
Non-allergic asthma	LGMN	cg02628202	rs2402211	C	G	0.184	0.032	0.186	4.95E-09	-0.067	0.022	0.002	0.009	34.189	TRUE	5.83E-08
Non-allergic asthma	LGMN	cg02628202	rs8177525	A	C	0.510	0.044	0.158	3.75E-31	-0.042	0.020	0.034	0.035	134.674	TRUE	4.47E-29
Non-allergic asthma	LGMN	cg05135213	rs1242091	C	T	0.215	0.035	0.299	6.14E-10	-0.035	0.017	0.039	0.010	38.255	TRUE	4.16E-09
Non-allergic asthma	LGMN	cg14521318	rs1242091	C	T	0.242	0.035	0.299	2.64E-12	-0.035	0.017	0.039	0.013	48.912	TRUE	2.46E-11
Non-allergic asthma	LGMN	cg17319795	rs113906812	T	C	0.409	0.055	0.044	8.17E-14	-0.039	0.033	0.234	0.015	55.734	TRUE	4.27E-13
Non-allergic asthma	LGMN	cg17319795	rs118188631	A	T	-0.400	0.070	0.027	1.01E-08	0.008	0.034	0.816	0.009	32.807	TRUE	1.62E-08
Non-allergic asthma	LGMN	cg17319795	rs138660368	C	G	0.425	0.067	0.033	2.14E-10	0.116	0.035	0.001	0.011	40.313	TRUE	3.80E-09
Non-allergic asthma	LGMN	cg17319795	rs2236264	T	C	-0.246	0.031	0.163	4.09E-15	-0.013	0.020	0.517	0.016	61.623	TRUE	1.46E-14
Non-allergic asthma	LGMN	cg17319795	rs2402189	A	C	0.506	0.023	0.390	6.82E-107	0.007	0.016	0.642	0.115	482.021	TRUE	1.53E-100
Non-allergic asthma	LGMN	cg17319795	rs4904981	A	G	0.269	0.031	0.172	1.17E-17	0.042	0.019	0.025	0.019	73.161	TRUE	2.62E-16
Non-allergic asthma	LGMN	cg22803549	rs8177525	A	C	0.256	0.043	0.158	3.00E-09	-0.042	0.020	0.034	0.009	35.163	TRUE	1.92E-08
Non-allergic asthma	LGMN	cg22840852	rs10148060	G	A	-0.163	0.025	0.333	3.35E-11	0.006	0.016	0.700	0.012	43.936	TRUE	7.09E-11
Non-allergic asthma	LGMN	cg22840852	rs118188631	A	T	0.385	0.070	0.027	3.81E-08	0.008	0.034	0.816	0.008	30.229	TRUE	5.93E-08
Non-allergic asthma	LGMN	cg22840852	rs141596389	G	T	0.394	0.066	0.030	1.84E-09	-0.074	0.072	0.307	0.010	36.122	TRUE	5.50E-09
Non-allergic asthma	LGMN	cg22840852	rs144169808	A	T	-0.351	0.033	0.141	5.76E-27	0.053	0.022	0.019	0.030	115.558	TRUE	5.24E-25
Non-allergic asthma	LGMN	cg22840852	rs8177528	T	C	-0.181	0.024	0.348	8.26E-14	0.012	0.017	0.468	0.015	55.712	TRUE	2.85E-13
Non-allergic asthma	LGMN	cg22840852	rs999292	A	C	0.445	0.042	0.175	3.05E-26	-0.047	0.020	0.017	0.029	112.253	TRUE	2.60E-24
Non-allergic asthma	LGMN	cg23168000	rs113520995	T	C	0.423	0.068	0.030	4.36E-10	-0.005	0.040	0.903	0.010	38.923	TRUE	6.99E-10
Non-allergic asthma	LGMN	cg23168000	rs118188631	A	T	0.567	0.070	0.027	4.36E-16	0.008	0.034	0.816	0.018	66.031	TRUE	1.12E-15
Non-allergic asthma	LGMN	cg23168000	rs1242104	T	G	0.199	0.024	0.488	8.31E-17	-0.017	0.016	0.288	0.018	69.298	TRUE	5.18E-16
Non-allergic asthma	LGMN	cg23168000	rs144169808	A	T	-0.225	0.033	0.141	7.71E-12	0.053	0.022	0.019	0.012	46.813	TRUE	8.54E-11
Non-allergic asthma	LGMN	cg23168000	rs189068715	G	A	0.584	0.092	0.016	2.03E-10	-0.056	0.084	0.502	0.011	40.415	TRUE	5.08E-10
Non-allergic asthma	LGMN	cg23168000	rs4904972	A	C	0.161	0.027	0.237	3.33E-09	-0.026	0.019	0.171	0.009	34.962	TRUE	1.25E-08
Non-allergic asthma	LGMN	cg23168000	rs8177528	T	C	-0.201	0.024	0.348	9.43E-17	0.012	0.017	0.468	0.018	69.049	TRUE	4.17E-16
Non-allergic asthma	LGMN	cg23168000	rs999292	A	C	0.558	0.042	0.175	5.13E-41	-0.047	0.020	0.017	0.046	179.791	TRUE	3.80E-38
Non-allergic asthma	LGMN	cg23547892	rs10143182	C	T	-0.212	0.028	0.241	2.64E-14	0.012	0.022	0.583	0.015	57.957	TRUE	8.06E-14
Non-allergic asthma	LGMN	cg23547892	rs113906812	T	C	0.560	0.055	0.044	9.80E-25	-0.039	0.033	0.234	0.028	105.379	TRUE	1.59E-23
Non-allergic asthma	LGMN	cg23547892	rs118188631	A	T	-0.456	0.070	0.027	6.94E-11	0.008	0.034	0.816	0.011	42.513	TRUE	1.27E-10

Non-allergic asthma	LGMN	cg23547892	rs12435423	C	T	0.278	0.039	0.092	8.21E-13	-0.019	0.028	0.503	0.014	51.204	TRUE	2.48E-12
Non-allergic asthma	LGMN	cg23547892	rs12437403	A	G	-0.240	0.043	0.078	2.92E-08	0.001	0.038	0.988	0.008	30.744	TRUE	3.94E-08
Non-allergic asthma	LGMN	cg23547892	rs138660368	C	G	0.517	0.067	0.033	1.21E-14	0.116	0.035	0.001	0.016	59.487	TRUE	4.59E-13
Non-allergic asthma	LGMN	cg23547892	rs143184687	T	C	-0.455	0.082	0.018	2.69E-08	-0.090	0.090	0.314	0.008	30.901	TRUE	7.15E-08
Non-allergic asthma	LGMN	cg23547892	rs2236264	T	C	-0.288	0.031	0.163	3.97E-20	-0.013	0.020	0.517	0.022	84.388	TRUE	2.17E-19
Non-allergic asthma	LGMN	cg23547892	rs2402189	A	C	0.662	0.023	0.390	6.27E-190	0.007	0.016	0.642	0.189	863.630	TRUE	1.72E-173
Non-allergic asthma	LGMN	cg23547892	rs4904981	A	G	0.336	0.031	0.172	1.03E-26	0.042	0.019	0.025	0.030	114.410	TRUE	7.82E-25
Non-allergic asthma	LGMN	cg23547892	rs76392320	G	C	0.259	0.047	0.064	3.16E-08	0.001	0.038	0.989	0.008	30.592	TRUE	4.25E-08
Non-allergic asthma	LGMN	cg23547892	rs79340292	A	G	0.449	0.077	0.046	5.13E-09	-0.013	0.031	0.669	0.009	34.119	TRUE	9.67E-09
Non-allergic asthma	LGMN	cg23547892	rs943656	A	G	-0.154	0.027	0.239	1.14E-08	0.016	0.018	0.399	0.009	32.569	TRUE	2.80E-08
Non-allergic asthma	LGMN	cg26329144	rs1242091	C	T	-0.261	0.034	0.299	1.54E-14	-0.035	0.017	0.039	0.016	59.016	TRUE	1.92E-13
Non-allergic asthma	LTA	cg14910524	rs561747487	A	G	-1.247	0.165	0.011	3.67E-14	0.071	0.128	0.579	0.015	57.305	TRUE	1.11E-13
Non-allergic asthma	MAP1LC3B	cg05038209	rs76910945	G	A	-0.603	0.067	0.026	3.92E-19	-0.088	0.076	0.242	0.021	79.868	TRUE	3.44E-18
Non-allergic asthma	MAP1LC3B	cg09211521	rs111469125	G	A	0.448	0.055	0.050	4.83E-16	-0.027	0.036	0.465	0.017	65.828	TRUE	2.02E-15
Non-allergic asthma	MAP1LC3B	cg09211521	rs112154959	T	C	1.049	0.137	0.016	1.81E-14	0.014	0.094	0.885	0.016	58.698	TRUE	3.84E-14
Non-allergic asthma	MAP1LC3B	cg23636419	rs750957	A	G	-0.140	0.024	0.422	2.89E-09	0.036	0.016	0.024	0.009	35.239	TRUE	2.04E-08
Non-allergic asthma	MAP1LC3B	cg26856583	rs148649561	A	C	-1.072	0.093	0.015	5.80E-31	0.015	0.065	0.814	0.035	133.809	TRUE	5.03E-30
Non-allergic asthma	MAP6	cg04548956	rs61895095	C	A	-0.498	0.057	0.042	1.32E-18	-0.075	0.036	0.038	0.021	77.475	TRUE	2.83E-17
Non-allergic asthma	MAP6	cg09331409	rs11236475	C	T	0.608	0.059	0.038	1.15E-24	-0.008	0.049	0.869	0.028	105.064	TRUE	5.23E-24
Non-allergic asthma	MAPK3	cg00192773	rs78564187	A	G	-0.426	0.044	0.080	8.82E-22	-0.142	0.041	5.29E-04	0.024	91.916	TRUE	1.36E-19
Non-allergic asthma	MAPK3	cg08464513	rs62057756	A	G	0.164	0.024	0.390	3.76E-12	0.012	0.016	0.447	0.013	48.220	TRUE	1.16E-11
Non-allergic asthma	MAPK3	cg08464513	rs8061772	C	A	-0.461	0.033	0.142	7.03E-45	0.017	0.022	0.438	0.051	197.479	TRUE	6.57E-43
Non-allergic asthma	MAPK8IP2	cg00083937	rs113706174	G	C	0.468	0.072	0.029	9.39E-11	-0.062	0.053	0.240	0.011	41.922	TRUE	3.58E-10
Non-allergic asthma	MAPK8IP2	cg00083937	rs113959305	T	C	0.501	0.048	0.059	3.07E-25	-0.048	0.047	0.306	0.028	107.679	TRUE	4.27E-24
Non-allergic asthma	MAPK8IP2	cg00083937	rs11703598	T	C	0.220	0.037	0.114	2.66E-09	-0.035	0.026	0.177	0.009	35.400	TRUE	9.93E-09
Non-allergic asthma	MAPK8IP2	cg00083937	rs131705	T	C	0.324	0.026	0.282	9.63E-36	-0.021	0.020	0.282	0.040	155.659	TRUE	4.68E-34
Non-allergic asthma	MAPK8IP2	cg00083937	rs131761	T	A	-0.427	0.028	0.221	8.22E-53	0.025	0.021	0.242	0.059	233.820	TRUE	4.54E-50
Non-allergic asthma	MAPK8IP2	cg00083937	rs134977	G	A	-0.396	0.061	0.077	9.91E-11	0.019	0.030	0.521	0.011	41.816	TRUE	2.48E-10
Non-allergic asthma	MAPK8IP2	cg00083937	rs148201653	G	C	-0.310	0.057	0.043	4.61E-08	0.006	0.029	0.838	0.008	29.860	TRUE	7.00E-08
Non-allergic asthma	MAPK8IP2	cg00083937	rs2238834	A	C	0.796	0.020	0.400	<1E-200	-0.017	0.016	0.287	0.295	1546.620	TRUE	3.54E-293
Non-allergic asthma	MAPK8IP2	cg00083937	rs2269379	T	C	-0.452	0.038	0.102	1.09E-32	0.015	0.024	0.543	0.037	141.703	TRUE	1.89E-31
Non-allergic asthma	MAPK8IP2	cg00083937	rs28540713	T	C	0.136	0.024	0.433	1.27E-08	-0.004	0.016	0.822	0.009	32.364	TRUE	2.02E-08
Non-allergic asthma	MAPK8IP2	cg00083937	rs2878116	G	A	-0.207	0.036	0.116	1.13E-08	0.029	0.023	0.210	0.009	32.579	TRUE	3.71E-08
Non-allergic asthma	MAPK8IP2	cg00083937	rs5770878	G	C	0.226	0.036	0.291	2.44E-10	-0.030	0.017	0.076	0.011	40.054	TRUE	1.41E-09
Non-allergic asthma	MAPK8IP2	cg00083937	rs6009986	G	A	-0.367	0.027	0.253	1.63E-43	0.010	0.018	0.600	0.049	191.232	TRUE	8.43E-42
Non-allergic asthma	MAPK8IP2	cg00083937	rs6010025	T	G	-0.268	0.036	0.131	1.21E-13	-0.019	0.023	0.411	0.015	54.970	TRUE	4.47E-13
Non-allergic asthma	MAPK8IP2	cg00083937	rs6151406	G	C	-0.415	0.051	0.048	6.63E-16	-0.041	0.044	0.351	0.017	65.204	TRUE	3.34E-15
Non-allergic asthma	MAPK8IP2	cg00083937	rs62241528	A	G	-0.398	0.042	0.080	5.64E-21	-0.051	0.037	0.166	0.023	88.247	TRUE	7.60E-20
Non-allergic asthma	MAPK8IP2	cg00083937	rs7238	G	A	-0.306	0.054	0.096	1.22E-08	-0.018	0.024	0.451	0.009	32.431	TRUE	2.82E-08
Non-allergic asthma	MAPK8IP2	cg00083937	rs73174419	A	G	0.318	0.049	0.064	6.15E-11	0.041	0.037	0.266	0.011	42.748	TRUE	2.27E-10
Non-allergic asthma	MAPK8IP2	cg00083937	rs73187250	A	G	0.267	0.035	0.128	3.05E-14	-0.036	0.023	0.119	0.015	57.668	TRUE	2.34E-13
Non-allergic asthma	MAPK8IP2	cg00083937	rs75558741	A	G	-0.574	0.075	0.029	2.12E-14	0.026	0.058	0.653	0.016	58.386	TRUE	5.95E-14

Non-allergic asthma	MAPK8IP2	cg00083937	rs762668	T	C	-0.329	0.028	0.224	1.17E-31	0.014	0.020	0.487	0.036	136.979	TRUE	2.07E-30
Non-allergic asthma	MAPK8IP2	cg00083937	rs8138406	C	T	-0.228	0.024	0.410	1.49E-21	0.031	0.017	0.066	0.024	90.884	TRUE	3.57E-20
Non-allergic asthma	MAPK8IP2	cg00083937	rs9616824	T	C	0.175	0.029	0.215	9.14E-10	-0.003	0.018	0.865	0.010	37.480	TRUE	1.49E-09
Non-allergic asthma	MAPK8IP2	cg00083937	rs9616878	G	C	0.268	0.041	0.090	4.70E-11	0.015	0.034	0.670	0.012	43.274	TRUE	1.02E-10
Non-allergic asthma	MAPK8IP2	cg00083937	rs9628192	G	A	-0.233	0.040	0.108	8.45E-09	-0.035	0.026	0.169	0.009	33.150	TRUE	3.04E-08
Non-allergic asthma	MAPK8IP2	cg00083937	rs9628304	T	C	-0.139	0.024	0.397	9.96E-09	0.048	0.016	0.003	0.009	32.830	TRUE	1.07E-07
Non-allergic asthma	MAPK8IP2	cg09764221	rs76610029	T	C	0.275	0.048	0.060	8.96E-09	0.031	0.029	0.284	0.009	33.037	TRUE	2.61E-08
Non-allergic asthma	MAPK8IP2	cg19808085	rs12169357	C	G	0.855	0.054	0.047	5.59E-56	-0.047	0.068	0.484	0.063	248.336	TRUE	2.05E-53
Non-allergic asthma	MAPK8IP2	cg19808085	rs756638	A	G	0.182	0.026	0.255	5.31E-12	0.014	0.019	0.460	0.013	47.543	TRUE	1.59E-11
Non-allergic asthma	MAPK8IP2	cg19808085	rs9616802	T	C	0.155	0.024	0.401	1.44E-10	-0.033	0.016	0.039	0.011	41.087	TRUE	1.07E-09
Non-allergic asthma	MAPK8IP2	cg24228559	rs75395540	C	T	0.459	0.052	0.054	1.02E-18	-0.055	0.067	0.413	0.021	77.980	TRUE	5.91E-18
Non-allergic asthma	MAPK8IP2	cg27528247	rs131735	G	A	0.206	0.023	0.417	1.84E-18	0.035	0.016	0.033	0.020	76.816	TRUE	4.09E-17
Non-allergic asthma	MKNK2	cg00434573	rs10403009	G	A	-0.163	0.024	0.433	7.98E-12	0.002	0.016	0.892	0.012	46.745	TRUE	1.43E-11
Non-allergic asthma	MKNK2	cg00434573	rs12610177	T	G	-0.410	0.025	0.347	6.56E-62	-0.024	0.017	0.167	0.069	275.532	TRUE	2.22E-58
Non-allergic asthma	MKNK2	cg05254098	rs71337080	T	C	0.177	0.026	0.303	4.12E-12	-0.019	0.018	0.279	0.013	48.041	TRUE	1.66E-11
Non-allergic asthma	MKNK2	cg06521145	rs880183	A	G	0.182	0.026	0.297	3.75E-12	-0.019	0.018	0.291	0.013	48.223	TRUE	1.49E-11
Non-allergic asthma	MKNK2	cg06552549	rs2302585	A	G	0.288	0.026	0.299	4.47E-29	-0.020	0.018	0.264	0.033	125.190	TRUE	1.06E-27
Non-allergic asthma	MKNK2	cg11634930	rs8108391	A	G	-0.155	0.025	0.328	4.58E-10	-0.017	0.018	0.356	0.010	38.828	TRUE	1.35E-09
Non-allergic asthma	MKNK2	cg11881835	rs10416848	G	C	0.141	0.025	0.313	2.49E-08	-0.003	0.018	0.873	0.008	31.050	TRUE	3.73E-08
Non-allergic asthma	MKNK2	cg11881835	rs12460442	G	C	0.185	0.031	0.170	2.39E-09	-0.015	0.022	0.499	0.010	35.611	TRUE	5.51E-09
Non-allergic asthma	MKNK2	cg11881835	rs12610177	T	G	0.182	0.025	0.347	2.86E-13	-0.024	0.017	0.167	0.014	53.272	TRUE	1.68E-12
Non-allergic asthma	MKNK2	cg11881835	rs190922522	A	T	-0.566	0.033	0.138	2.45E-65	0.054	0.023	0.019	0.073	291.251	TRUE	1.03E-60
Non-allergic asthma	MKNK2	cg11881835	rs34797288	T	C	-0.143	0.025	0.312	1.42E-08	-0.006	0.017	0.716	0.009	32.137	TRUE	2.49E-08
Non-allergic asthma	MKNK2	cg11881835	rs887932	T	G	0.482	0.062	0.069	8.57E-15	0.007	0.034	0.848	0.016	60.167	TRUE	1.94E-14
Non-allergic asthma	MKNK2	cg17068236	rs10421179	A	G	0.303	0.036	0.276	3.10E-17	-0.024	0.018	0.177	0.019	71.239	TRUE	2.69E-16
Non-allergic asthma	MKNK2	cg17068236	rs11084925	G	A	0.276	0.040	0.239	3.00E-12	-0.026	0.017	0.122	0.013	48.664	TRUE	1.81E-11
Non-allergic asthma	MKNK2	cg17068236	rs112041002	T	C	-0.320	0.034	0.131	1.11E-20	0.052	0.023	0.023	0.023	86.909	TRUE	3.90E-19
Non-allergic asthma	MKNK2	cg17068236	rs12172871	C	T	0.307	0.024	0.484	2.08E-38	0.008	0.016	0.596	0.043	167.850	TRUE	6.03E-37
Non-allergic asthma	MKNK2	cg17068236	rs12982087	G	C	0.293	0.046	0.142	1.95E-10	-0.014	0.027	0.615	0.011	40.498	TRUE	4.28E-10
Non-allergic asthma	MKNK2	cg17068236	rs138407468	T	C	0.314	0.041	0.094	1.54E-14	0.002	0.023	0.930	0.016	59.017	TRUE	3.11E-14
Non-allergic asthma	MKNK2	cg17068236	rs150771388	A	G	0.833	0.096	0.013	3.20E-18	-0.034	0.055	0.540	0.020	75.719	TRUE	1.43E-17
Non-allergic asthma	MKNK2	cg17068236	rs4405674	G	T	0.257	0.035	0.450	9.62E-14	-0.031	0.016	0.053	0.015	55.412	TRUE	9.70E-13
Non-allergic asthma	MKNK2	cg17068236	rs56747107	C	T	0.249	0.038	0.225	3.06E-11	-0.004	0.020	0.863	0.012	44.115	TRUE	5.45E-11
Non-allergic asthma	MKNK2	cg17068236	rs71337080	T	C	1.067	0.019	0.303	<1E-200	-0.019	0.018	0.279	0.462	3173.594	TRUE	<1E-200
Non-allergic asthma	MKNK2	cg17068236	rs7249308	G	A	-0.280	0.044	0.144	1.94E-10	-0.037	0.021	0.084	0.011	40.505	TRUE	1.09E-09
Non-allergic asthma	MKNK2	cg21030400	rs10416239	T	C	0.345	0.044	0.188	3.35E-15	-0.039	0.023	0.090	0.016	62.016	TRUE	3.24E-14
Non-allergic asthma	MKNK2	cg21030400	rs117685871	A	G	-0.451	0.072	0.027	3.88E-10	-0.041	0.080	0.611	0.010	39.149	TRUE	8.40E-10
Non-allergic asthma	MKNK2	cg21030400	rs12610177	T	G	0.238	0.025	0.347	2.25E-21	-0.024	0.017	0.167	0.024	90.059	TRUE	3.17E-20
Non-allergic asthma	MKNK2	cg21030400	rs17754896	C	G	0.166	0.029	0.211	1.93E-08	-0.029	0.018	0.099	0.008	31.551	TRUE	8.02E-08
Non-allergic asthma	MKNK2	cg21030400	rs190922522	A	T	-0.881	0.032	0.138	2.63E-162	0.054	0.023	0.019	0.166	736.652	TRUE	4.16E-147
Non-allergic asthma	MKNK2	cg21030400	rs34475638	T	C	0.780	0.120	0.021	9.71E-11	0.066	0.058	0.258	0.011	41.857	TRUE	3.57E-10
Non-allergic asthma	MKNK2	cg21030400	rs62129529	C	T	-0.234	0.035	0.402	2.62E-11	-0.040	0.016	0.013	0.012	44.419	TRUE	2.97E-10

Non-allergic asthma	MKNK2	cg21030400	rs74432830	C	A	0.327	0.050	0.109	8.99E-11	-0.051	0.022	0.023	0.011	42.006	TRUE	8.04E-10
Non-allergic asthma	MKNK2	cg22580935	rs2302585	A	G	-0.408	0.026	0.299	1.06E-56	-0.020	0.018	0.264	0.064	251.648	TRUE	9.46E-54
Non-allergic asthma	MKNK2	cg22580935	rs4404194	C	T	-0.150	0.024	0.426	3.45E-10	0.005	0.016	0.763	0.011	39.378	TRUE	6.40E-10
Non-allergic asthma	MKNK2	cg23899359	rs12610177	T	G	-0.140	0.025	0.347	2.40E-08	-0.024	0.017	0.167	0.008	31.124	TRUE	8.26E-08
Non-allergic asthma	MKNK2	cg24808711	rs3746101	T	G	-0.250	0.043	0.083	5.67E-09	-0.038	0.024	0.120	0.009	33.926	TRUE	2.36E-08
Non-allergic asthma	MKNK2	cg26498966	rs34475638	T	C	0.811	0.120	0.021	1.59E-11	0.066	0.058	0.258	0.012	45.390	TRUE	6.34E-11
Non-allergic asthma	MKNK2	cg26498966	rs7250526	A	G	-0.251	0.025	0.290	5.12E-23	0.002	0.017	0.890	0.026	97.546	TRUE	1.98E-22
Non-allergic asthma	MKNK2	cg26647303	rs12610177	T	G	-0.385	0.025	0.347	2.39E-54	-0.024	0.017	0.167	0.061	240.864	TRUE	2.45E-51
Non-allergic asthma	MKNK2	cg26647303	rs4807196	C	A	-0.142	0.024	0.433	2.86E-09	-0.009	0.016	0.564	0.009	35.257	TRUE	6.11E-09
Non-allergic asthma	MMP9	cg00182727	rs35567443	C	T	-0.333	0.024	0.425	8.25E-44	-0.021	0.016	0.191	0.049	192.581	TRUE	1.62E-41
Non-allergic asthma	MMP9	cg04145601	rs112921409	A	C	0.180	0.024	0.423	3.09E-14	0.015	0.016	0.336	0.015	57.647	TRUE	1.37E-13
Non-allergic asthma	MMP9	cg04145601	rs13038175	A	G	0.272	0.036	0.118	7.92E-14	0.005	0.023	0.810	0.015	55.796	TRUE	1.76E-13
Non-allergic asthma	MMP9	cg04145601	rs2425760	A	T	0.185	0.034	0.139	4.18E-08	-0.028	0.021	0.176	0.008	30.046	TRUE	1.38E-07
Non-allergic asthma	MMP9	cg04145601	rs3918253	C	T	-0.453	0.024	0.425	1.96E-81	-0.021	0.016	0.190	0.090	365.122	TRUE	1.84E-76
Non-allergic asthma	MMP9	cg04145601	rs6073950	A	T	-0.170	0.025	0.368	8.24E-12	-0.002	0.016	0.921	0.012	46.682	TRUE	1.43E-11
Non-allergic asthma	MMP9	cg04656101	rs2297198	T	C	-0.216	0.029	0.194	1.48E-13	0.011	0.020	0.577	0.015	54.570	TRUE	4.30E-13
Non-allergic asthma	MMP9	cg04656101	rs3918253	C	T	-0.326	0.024	0.425	2.93E-42	-0.021	0.016	0.190	0.048	185.481	TRUE	4.70E-40
Non-allergic asthma	MMP9	cg04656101	rs4810488	A	C	-0.194	0.030	0.191	5.57E-11	-0.014	0.022	0.518	0.011	42.942	TRUE	1.43E-10
Non-allergic asthma	MMP9	cg04656101	rs6073950	A	T	-0.156	0.025	0.368	3.18E-10	-0.002	0.016	0.921	0.011	39.542	TRUE	5.04E-10
Non-allergic asthma	MMP9	cg04656101	rs77880402	C	T	0.207	0.035	0.125	5.03E-09	0.005	0.023	0.810	0.009	34.159	TRUE	8.29E-09
Non-allergic asthma	MMP9	cg09149648	rs2250889	G	C	0.387	0.058	0.042	2.98E-11	-0.017	0.030	0.563	0.012	44.164	TRUE	7.39E-11
Non-allergic asthma	MMP9	cg17664577	rs148773337	A	C	-0.424	0.073	0.022	7.36E-09	-0.128	0.058	0.029	0.009	33.420	TRUE	4.67E-08
Non-allergic asthma	MMP9	cg17664577	rs35567443	C	T	-0.370	0.024	0.425	5.48E-54	-0.021	0.016	0.191	0.061	239.211	TRUE	4.62E-51
Non-allergic asthma	MMP9	cg17664577	rs56324610	C	G	-0.157	0.025	0.339	1.88E-10	-0.030	0.017	0.087	0.011	40.563	TRUE	1.05E-09
Non-allergic asthma	MMP9	cg20674635	rs112033225	A	G	0.381	0.057	0.043	3.43E-11	0.041	0.035	0.248	0.012	43.891	TRUE	1.34E-10
Non-allergic asthma	MMP9	cg20674635	rs112059592	G	T	-0.407	0.075	0.026	4.76E-08	0.027	0.069	0.693	0.008	29.796	TRUE	8.21E-08
Non-allergic asthma	MMP9	cg20674635	rs13038175	A	G	0.231	0.036	0.118	2.07E-10	0.005	0.023	0.810	0.011	40.381	TRUE	3.70E-10
Non-allergic asthma	MMP9	cg20674635	rs2250889	G	C	-0.327	0.059	0.042	3.12E-08	-0.017	0.030	0.563	0.008	30.616	TRUE	6.17E-08
Non-allergic asthma	MMP9	cg20674635	rs3918256	G	A	-0.605	0.023	0.425	5.79E-150	-0.021	0.016	0.190	0.155	679.920	TRUE	8.61E-138
Non-allergic asthma	MMP9	cg20674635	rs3918278	A	G	-0.572	0.084	0.023	8.55E-12	-0.072	0.036	0.046	0.012	46.611	TRUE	7.06E-11
Non-allergic asthma	MMP9	cg20674635	rs4810488	A	C	-0.203	0.030	0.191	7.34E-12	-0.014	0.022	0.518	0.013	46.908	TRUE	2.02E-11
Non-allergic asthma	MMP9	cg20674635	rs56279239	A	G	0.290	0.036	0.126	3.41E-16	0.008	0.028	0.768	0.018	66.516	TRUE	9.40E-16
Non-allergic asthma	MMP9	cg20674635	rs6074009	T	C	-0.196	0.030	0.187	5.95E-11	-0.020	0.019	0.290	0.011	42.812	TRUE	2.11E-10
Non-allergic asthma	MMP9	cg20674635	rs6130946	C	T	-0.202	0.036	0.117	2.59E-08	-0.019	0.027	0.487	0.008	30.979	TRUE	5.57E-08
Non-allergic asthma	MMP9	cg20674635	rs7264209	C	T	0.311	0.056	0.045	2.28E-08	-0.009	0.034	0.788	0.008	31.227	TRUE	3.68E-08
Non-allergic asthma	MMP9	cg20674635	rs77617917	A	G	-0.244	0.044	0.075	2.56E-08	-0.011	0.031	0.718	0.008	30.999	TRUE	4.39E-08
Non-allergic asthma	MMP9	cg20674635	rs77727017	T	G	-0.277	0.036	0.118	2.36E-14	-0.027	0.025	0.268	0.015	58.172	TRUE	1.21E-13
Non-allergic asthma	MMP9	cg20674635	rs79439130	A	G	-0.435	0.058	0.040	7.55E-14	0.075	0.035	0.031	0.015	55.890	TRUE	9.39E-13
Non-allergic asthma	MMP9	cg23303369	rs112059592	G	T	-0.513	0.075	0.026	6.27E-12	0.027	0.069	0.693	0.013	47.218	TRUE	1.40E-11
Non-allergic asthma	MMP9	cg23303369	rs1128536	A	G	-0.143	0.026	0.291	2.69E-08	-0.019	0.019	0.299	0.008	30.902	TRUE	7.30E-08
Non-allergic asthma	MMP9	cg23303369	rs113562688	A	G	-0.303	0.036	0.116	6.84E-17	-0.027	0.025	0.274	0.018	69.681	TRUE	4.43E-16
Non-allergic asthma	MMP9	cg23303369	rs12373874	A	G	-0.530	0.096	0.030	3.30E-08	-0.011	0.048	0.823	0.008	30.509	TRUE	5.11E-08

Non-allergic asthma	MMP9	cg23303369	rs13038175	A	G	0.330	0.036	0.118	1.05E-19	0.005	0.023	0.810	0.022	82.461	TRUE	3.55E-19
Non-allergic asthma	MMP9	cg23303369	rs148773337	A	C	-0.453	0.073	0.022	6.02E-10	-0.128	0.058	0.029	0.010	38.294	TRUE	4.48E-09
Non-allergic asthma	MMP9	cg23303369	rs2250889	G	C	-0.418	0.059	0.042	1.39E-12	-0.017	0.030	0.563	0.013	50.166	TRUE	3.82E-12
Non-allergic asthma	MMP9	cg23303369	rs3918256	G	A	-0.749	0.023	0.425	3.10E-242	-0.021	0.016	0.190	0.230	1104.131	TRUE	5.81E-216
Non-allergic asthma	MMP9	cg23303369	rs3918278	A	G	-0.528	0.084	0.023	3.14E-10	-0.072	0.036	0.046	0.011	39.563	TRUE	2.11E-09
Non-allergic asthma	MMP9	cg23303369	rs3933240	T	C	0.277	0.046	0.069	2.43E-09	0.006	0.038	0.871	0.010	35.579	TRUE	3.85E-09
Non-allergic asthma	MMP9	cg23303369	rs4810488	A	C	-0.245	0.030	0.191	1.33E-16	-0.014	0.022	0.518	0.018	68.373	TRUE	5.36E-16
Non-allergic asthma	MMP9	cg23303369	rs55943410	T	C	0.410	0.044	0.079	7.25E-21	0.051	0.044	0.247	0.023	87.750	TRUE	7.50E-20
Non-allergic asthma	MMP9	cg23303369	rs6017575	G	A	-0.180	0.031	0.176	4.17E-09	0.006	0.019	0.731	0.009	34.525	TRUE	7.43E-09
Non-allergic asthma	MMP9	cg23303369	rs6073950	A	T	-0.256	0.025	0.368	4.44E-25	-0.002	0.016	0.921	0.028	106.949	TRUE	1.92E-24
Non-allergic asthma	MMP9	cg23303369	rs6074009	T	C	-0.236	0.030	0.187	3.86E-15	-0.020	0.019	0.290	0.016	61.737	TRUE	2.04E-14
Non-allergic asthma	MMP9	cg23303369	rs73112805	G	T	0.339	0.053	0.050	1.17E-10	-0.003	0.034	0.926	0.011	41.494	TRUE	1.89E-10
Non-allergic asthma	MMP9	cg23303369	rs77202366	T	C	0.418	0.057	0.044	1.86E-13	0.041	0.035	0.250	0.014	54.119	TRUE	9.07E-13
Non-allergic asthma	MMP9	cg23303369	rs79439130	A	G	-0.388	0.058	0.040	2.61E-11	0.075	0.035	0.031	0.012	44.422	TRUE	2.30E-10
Non-allergic asthma	MMP9	cg23303369	rs9509	C	T	-0.389	0.070	0.030	3.03E-08	0.100	0.050	0.046	0.008	30.674	TRUE	1.54E-07
Non-allergic asthma	MMP9	cg23353432	rs13969	A	C	-0.255	0.024	0.388	1.69E-25	-0.032	0.016	0.043	0.029	108.866	TRUE	8.31E-24
Non-allergic asthma	MMP9	cg26132320	rs143834352	T	G	-0.674	0.123	0.015	3.98E-08	-0.134	0.076	0.078	0.008	30.144	TRUE	1.72E-07
Non-allergic asthma	MMP9	cg26132320	rs3918256	G	A	-0.423	0.024	0.425	3.70E-71	-0.021	0.016	0.190	0.079	317.957	TRUE	5.23E-67
Non-allergic asthma	MMP9	cg26132320	rs6073950	A	T	-0.143	0.025	0.368	7.27E-09	-0.002	0.016	0.921	0.009	33.444	TRUE	1.07E-08
Non-allergic asthma	MMP9	cg26132320	rs7270170	A	G	0.156	0.024	0.455	3.44E-11	0.030	0.016	0.053	0.012	43.883	TRUE	2.50E-10
Non-allergic asthma	MMP9	cg26132320	rs73112805	G	T	0.337	0.052	0.050	1.29E-10	-0.003	0.034	0.926	0.011	41.303	TRUE	2.08E-10
Non-allergic asthma	MSX1	cg01785568	rs28529683	G	C	-0.248	0.034	0.137	2.00E-13	-0.021	0.019	0.265	0.014	53.979	TRUE	9.42E-13
Non-allergic asthma	MSX1	cg01785568	rs67362914	C	T	-0.235	0.039	0.101	1.90E-09	-0.018	0.022	0.398	0.010	36.056	TRUE	5.00E-09
Non-allergic asthma	MSX1	cg03199651	rs56398386	T	C	-0.226	0.031	0.170	2.87E-13	0.029	0.020	0.144	0.014	53.265	TRUE	1.81E-12
Non-allergic asthma	MSX1	cg03335246	rs145178606	A	C	-0.577	0.088	0.020	4.64E-11	-0.124	0.061	0.042	0.012	43.300	TRUE	3.58E-10
Non-allergic asthma	MSX1	cg03335246	rs3821949	A	G	-0.446	0.037	0.231	7.48E-33	0.008	0.017	0.637	0.037	142.443	TRUE	1.09E-31
Non-allergic asthma	MSX1	cg03335246	rs4234836	G	A	-0.139	0.024	0.487	5.18E-09	-0.010	0.016	0.531	0.009	34.102	TRUE	1.12E-08
Non-allergic asthma	MSX1	cg03335246	rs4566595	C	A	0.205	0.024	0.379	5.27E-17	0.009	0.018	0.628	0.019	70.194	TRUE	1.87E-16
Non-allergic asthma	MSX1	cg03335246	rs6821947	C	G	-0.160	0.029	0.198	3.68E-08	0.032	0.020	0.098	0.008	30.297	TRUE	1.49E-07
Non-allergic asthma	MSX1	cg03335246	rs77291978	G	C	-0.401	0.040	0.091	9.54E-24	-0.019	0.023	0.409	0.027	100.872	TRUE	8.96E-23
Non-allergic asthma	MSX1	cg03672274	rs180826715	A	C	-0.233	0.038	0.217	1.12E-09	0.007	0.018	0.698	0.010	37.086	TRUE	2.14E-09
Non-allergic asthma	MSX1	cg03672274	rs4423815	A	G	0.139	0.024	0.427	4.57E-09	-0.002	0.017	0.906	0.009	34.348	TRUE	6.90E-09
Non-allergic asthma	MSX1	cg04100843	rs180826715	A	C	-0.262	0.039	0.217	1.14E-11	0.007	0.018	0.698	0.012	46.055	TRUE	2.48E-11
Non-allergic asthma	MSX1	cg04100843	rs56398386	T	C	-0.180	0.031	0.170	6.62E-09	0.029	0.020	0.144	0.009	33.626	TRUE	2.56E-08
Non-allergic asthma	MSX1	cg04660422	rs73194720	T	C	0.254	0.032	0.167	1.85E-15	-0.017	0.022	0.435	0.017	63.189	TRUE	7.71E-15
Non-allergic asthma	MSX1	cg08121252	rs13435489	C	T	-0.335	0.049	0.054	1.22E-11	-0.042	0.036	0.245	0.012	45.917	TRUE	5.02E-11
Non-allergic asthma	MSX1	cg08121252	rs4689955	C	T	0.150	0.024	0.479	1.73E-10	0.016	0.017	0.328	0.011	40.729	TRUE	5.52E-10
Non-allergic asthma	MSX1	cg09573795	rs4395446	G	A	0.192	0.027	0.268	6.25E-13	0.008	0.017	0.613	0.014	51.739	TRUE	1.65E-12
Non-allergic asthma	MSX1	cg09573795	rs6446716	G	A	0.128	0.024	0.396	4.92E-08	0.017	0.016	0.295	0.008	29.732	TRUE	1.31E-07
Non-allergic asthma	MSX1	cg09748975	rs112626763	C	T	-0.411	0.064	0.035	1.65E-10	0.023	0.026	0.377	0.011	40.819	TRUE	4.91E-10
Non-allergic asthma	MSX1	cg09748975	rs12512455	T	C	-0.148	0.024	0.423	4.33E-10	-0.015	0.016	0.347	0.010	38.939	TRUE	1.29E-09
Non-allergic asthma	MSX1	cg09748975	rs67362914	C	T	-0.220	0.039	0.101	1.96E-08	-0.018	0.022	0.398	0.008	31.521	TRUE	4.72E-08

Non-allergic asthma	MSX1	cg09918082	rs10029682	A	C	-0.303	0.048	0.059	3.08E-10	-0.029	0.036	0.410	0.011	39.601	TRUE	8.55E-10
Non-allergic asthma	MSX1	cg09918082	rs11944652	C	T	0.150	0.023	0.470	1.37E-10	0.001	0.016	0.963	0.011	41.190	TRUE	2.12E-10
Non-allergic asthma	MSX1	cg10266211	rs3821949	A	G	-0.213	0.038	0.231	1.51E-08	0.008	0.017	0.637	0.009	32.017	TRUE	2.85E-08
Non-allergic asthma	MSX1	cg13882284	rs80183133	G	A	0.256	0.043	0.074	1.66E-09	-0.026	0.025	0.294	0.010	36.322	TRUE	5.09E-09
Non-allergic asthma	MSX1	cg14039306	rs2131453	C	G	-0.490	0.042	0.169	8.56E-31	0.039	0.021	0.061	0.035	133.036	TRUE	6.93E-29
Non-allergic asthma	MSX1	cg14039306	rs28444462	T	A	-0.452	0.050	0.059	8.13E-20	-0.044	0.036	0.228	0.022	82.974	TRUE	7.95E-19
Non-allergic asthma	MSX1	cg14039306	rs35995608	A	T	0.289	0.040	0.096	2.48E-13	0.004	0.034	0.912	0.014	53.554	TRUE	4.75E-13
Non-allergic asthma	MSX1	cg14039306	rs3821949	A	G	-0.272	0.038	0.231	4.93E-13	0.008	0.017	0.637	0.014	52.205	TRUE	1.27E-12
Non-allergic asthma	MSX1	cg14039306	rs4425311	A	G	-0.274	0.048	0.064	1.03E-08	0.012	0.035	0.726	0.009	32.764	TRUE	1.80E-08
Non-allergic asthma	MSX1	cg14039306	rs4511945	G	C	0.182	0.028	0.249	3.82E-11	-0.003	0.020	0.867	0.012	43.682	TRUE	6.74E-11
Non-allergic asthma	MSX1	cg14039306	rs4689966	A	G	-0.306	0.024	0.343	1.01E-36	0.008	0.017	0.611	0.041	160.145	TRUE	2.34E-35
Non-allergic asthma	MSX1	cg14039306	rs60145083	A	G	0.183	0.024	0.499	9.72E-15	0.005	0.016	0.734	0.016	59.919	TRUE	2.52E-14
Non-allergic asthma	MSX1	cg14039306	rs74874242	T	C	-0.381	0.064	0.036	2.74E-09	0.022	0.026	0.397	0.009	35.340	TRUE	7.13E-09
Non-allergic asthma	MSX1	cg15696627	rs13435455	A	C	-0.318	0.050	0.054	1.67E-10	-0.044	0.036	0.226	0.011	40.796	TRUE	6.39E-10
Non-allergic asthma	MSX1	cg17814781	rs113018018	A	G	0.346	0.033	0.139	1.82E-25	-0.053	0.022	0.014	0.029	108.715	TRUE	1.52E-23
Non-allergic asthma	MSX1	cg17814781	rs12650460	C	G	0.149	0.025	0.307	3.84E-09	-0.023	0.016	0.170	0.009	34.685	TRUE	1.43E-08
Non-allergic asthma	MSX1	cg17814781	rs4566595	C	A	-0.232	0.024	0.379	2.45E-21	0.009	0.018	0.628	0.024	89.894	TRUE	1.24E-20
Non-allergic asthma	MSX1	cg17814781	rs61482971	G	A	0.245	0.033	0.151	5.21E-14	-0.018	0.026	0.480	0.015	56.619	TRUE	1.79E-13
Non-allergic asthma	MSX1	cg17938612	rs13435489	C	T	0.493	0.050	0.054	2.74E-23	-0.042	0.036	0.245	0.026	98.784	TRUE	3.67E-22
Non-allergic asthma	MSX1	cg17938612	rs2968688	C	G	0.179	0.030	0.194	1.86E-09	0.005	0.018	0.764	0.010	36.091	TRUE	3.29E-09
Non-allergic asthma	MSX1	cg17938612	rs4423815	A	G	0.133	0.024	0.427	2.19E-08	-0.002	0.017	0.906	0.008	31.298	TRUE	3.20E-08
Non-allergic asthma	MSX1	cg20588069	rs3821949	A	G	-0.387	0.037	0.231	4.15E-25	0.008	0.017	0.637	0.028	107.083	TRUE	2.87E-24
Non-allergic asthma	MSX1	cg20588069	rs4234836	G	A	-0.165	0.024	0.487	3.31E-12	-0.010	0.016	0.531	0.013	48.467	TRUE	9.21E-12
Non-allergic asthma	MSX1	cg20588069	rs4566595	C	A	0.181	0.024	0.379	1.30E-13	0.009	0.018	0.628	0.015	54.822	TRUE	3.55E-13
Non-allergic asthma	MSX1	cg20588069	rs6821947	C	G	-0.162	0.029	0.198	2.29E-08	0.032	0.020	0.098	0.008	31.211	TRUE	9.51E-08
Non-allergic asthma	MSX1	cg20588069	rs78255553	C	T	-0.322	0.039	0.093	3.29E-16	-0.011	0.023	0.642	0.018	66.584	TRUE	1.08E-15
Non-allergic asthma	MSX1	cg21538208	rs12512455	T	C	-0.133	0.024	0.423	2.03E-08	-0.015	0.016	0.347	0.008	31.447	TRUE	5.22E-08
Non-allergic asthma	MSX1	cg21689228	rs180826715	A	C	0.314	0.038	0.217	2.57E-16	0.007	0.018	0.698	0.018	67.074	TRUE	7.83E-16
Non-allergic asthma	MSX1	cg21689228	rs4234836	G	A	0.169	0.024	0.487	8.74E-13	-0.010	0.016	0.531	0.014	51.080	TRUE	2.54E-12
Non-allergic asthma	MSX1	cg21689228	rs4689955	C	T	-0.168	0.024	0.479	9.47E-13	0.016	0.017	0.328	0.014	50.923	TRUE	3.72E-12
Non-allergic asthma	MSX1	cg21689228	rs6446700	G	A	0.234	0.024	0.489	2.47E-23	0.000	0.016	0.990	0.026	98.987	TRUE	8.42E-23
Non-allergic asthma	MSX1	cg21689228	rs73194720	T	C	0.343	0.032	0.167	3.18E-27	-0.017	0.022	0.435	0.031	116.732	TRUE	3.99E-26
Non-allergic asthma	MSX1	cg21689228	rs7666443	C	T	0.136	0.024	0.471	9.37E-09	-0.003	0.016	0.846	0.009	32.950	TRUE	1.47E-08
Non-allergic asthma	MSX1	cg22256027	rs6817411	T	C	0.154	0.023	0.467	4.55E-11	0.000	0.016	0.990	0.012	43.339	TRUE	7.05E-11
Non-allergic asthma	MSX1	cg22371591	rs10019032	T	C	0.309	0.048	0.061	1.33E-10	-0.043	0.036	0.233	0.011	41.244	TRUE	5.06E-10
Non-allergic asthma	MSX1	cg22609784	rs11944652	C	T	0.208	0.024	0.470	7.96E-19	0.001	0.016	0.963	0.021	78.466	TRUE	2.04E-18
Non-allergic asthma	MSX1	cg22609784	rs35751866	A	C	0.177	0.027	0.243	1.01E-10	0.011	0.019	0.547	0.011	41.770	TRUE	2.46E-10
Non-allergic asthma	MSX1	cg24469464	rs73193155	A	G	0.300	0.035	0.134	1.91E-17	0.018	0.027	0.521	0.019	72.199	TRUE	8.22E-17
Non-allergic asthma	MSX1	cg24840099	rs148259940	A	G	-0.618	0.100	0.014	5.54E-10	-0.107	0.106	0.313	0.010	38.456	TRUE	1.73E-09
Non-allergic asthma	MSX1	cg24840099	rs2968684	T	C	-0.201	0.034	0.136	4.32E-09	-0.012	0.019	0.514	0.009	34.454	TRUE	9.61E-09
Non-allergic asthma	MSX1	cg25144207	rs13109344	G	A	-0.168	0.028	0.223	2.91E-09	-0.009	0.018	0.617	0.009	35.221	TRUE	5.88E-09
Non-allergic asthma	MSX1	cg25144207	rs3111689	G	T	-0.302	0.038	0.210	2.18E-15	-0.050	0.018	0.006	0.017	62.864	TRUE	5.91E-14

Non-allergic asthma	MSX1	cg27038439	rs113083992	A	G	-0.446	0.064	0.035	3.04E-12	0.021	0.026	0.410	0.013	48.638	TRUE	9.99E-12
Non-allergic asthma	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	0.009	0.031	0.772	0.009	33.747	TRUE	1.05E-08
Non-allergic asthma	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	0.036	0.016	0.023	0.010	37.260	TRUE	7.84E-09
Non-allergic asthma	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	0.013	0.016	0.392	0.016	58.608	TRUE	7.77E-14
Non-allergic asthma	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	-0.025	0.082	0.759	0.012	43.052	TRUE	1.03E-10
Non-allergic asthma	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	-0.025	0.067	0.708	0.008	29.937	TRUE	7.55E-08
Non-allergic asthma	MYH9	cg01816775	rs13058648	A	C	-0.465	0.051	0.049	5.25E-20	0.026	0.033	0.433	0.022	83.836	TRUE	3.30E-19
Non-allergic asthma	MYH9	cg01816775	rs136195	A	G	-0.235	0.025	0.318	6.86E-21	0.006	0.017	0.721	0.023	87.861	TRUE	2.88E-20
Non-allergic asthma	MYH9	cg01816775	rs2239782	A	G	-0.427	0.026	0.247	6.24E-59	-0.046	0.018	0.013	0.066	261.876	TRUE	1.08E-54
Non-allergic asthma	MYH9	cg01816775	rs3830104	C	T	-0.296	0.043	0.079	3.86E-12	-0.005	0.027	0.857	0.013	48.167	TRUE	7.32E-12
Non-allergic asthma	MYH9	cg01816775	rs79013767	A	C	-0.524	0.076	0.020	6.13E-12	-0.017	0.047	0.708	0.013	47.263	TRUE	1.35E-11
Non-allergic asthma	MYH9	cg06765172	rs139973547	A	G	0.573	0.080	0.020	1.01E-12	-0.016	0.045	0.725	0.014	50.805	TRUE	2.30E-12
Non-allergic asthma	MYH9	cg08800893	rs8143119	G	T	0.333	0.023	0.403	2.26E-46	-0.028	0.016	0.083	0.052	204.311	TRUE	1.30E-43
Non-allergic asthma	MYH9	cg10662871	rs115456990	C	A	0.710	0.068	0.031	2.86E-25	-0.029	0.039	0.456	0.028	107.817	TRUE	2.83E-24
Non-allergic asthma	MYH9	cg10662871	rs74383715	G	A	0.352	0.045	0.084	3.08E-15	-0.021	0.025	0.400	0.017	62.179	TRUE	1.34E-14
Non-allergic asthma	MYH9	cg11434151	rs2187776	C	T	-0.888	0.075	0.024	5.01E-32	0.026	0.044	0.557	0.036	138.669	TRUE	7.90E-31
Non-allergic asthma	MYH9	cg11691093	rs3752463	G	A	-0.270	0.024	0.405	2.47E-30	-0.029	0.016	0.075	0.034	130.931	TRUE	1.67E-28
Non-allergic asthma	MYH9	cg11691093	rs9622371	C	T	0.152	0.023	0.497	6.95E-11	0.033	0.016	0.037	0.011	42.509	TRUE	5.46E-10
Non-allergic asthma	MYH9	cg17163767	rs13058648	A	C	-0.326	0.051	0.049	1.41E-10	0.026	0.033	0.433	0.011	41.125	TRUE	3.91E-10
Non-allergic asthma	MYH9	cg17163767	rs136195	A	G	-0.196	0.025	0.318	4.77E-15	0.006	0.017	0.721	0.016	61.321	TRUE	1.29E-14
Non-allergic asthma	MYH9	cg17163767	rs2239782	A	G	-0.353	0.026	0.247	1.69E-40	-0.046	0.018	0.013	0.046	177.423	TRUE	1.37E-37
Non-allergic asthma	MYH9	cg17519899	rs13058648	A	C	-0.434	0.051	0.049	1.37E-17	0.026	0.033	0.433	0.019	72.848	TRUE	6.94E-17
Non-allergic asthma	MYH9	cg17519899	rs136195	A	G	-0.251	0.025	0.318	1.23E-23	0.006	0.017	0.721	0.026	100.375	TRUE	6.48E-23
Non-allergic asthma	MYH9	cg17519899	rs2239782	A	G	-0.405	0.026	0.247	9.16E-53	-0.046	0.018	0.013	0.059	233.604	TRUE	5.46E-49
Non-allergic asthma	MYH9	cg17519899	rs3830104	C	T	-0.333	0.043	0.079	5.59E-15	-0.005	0.027	0.857	0.016	61.009	TRUE	1.27E-14
Non-allergic asthma	MYH9	cg17519899	rs79013767	A	C	-0.502	0.076	0.020	4.41E-11	-0.017	0.047	0.708	0.012	43.400	TRUE	9.17E-11
Non-allergic asthma	MYH9	cg23015219	rs115456990	C	A	1.194	0.068	0.031	1.97E-69	-0.029	0.039	0.456	0.077	310.042	TRUE	6.31E-66
Non-allergic asthma	MYH9	cg23015219	rs136206	A	G	0.323	0.025	0.290	4.26E-37	-0.013	0.017	0.421	0.042	161.856	TRUE	1.61E-35
Non-allergic asthma	MYH9	cg23015219	rs73167691	A	G	-0.538	0.063	0.033	1.75E-17	-0.008	0.031	0.796	0.019	72.366	TRUE	5.11E-17
Non-allergic asthma	MYH9	cg23015219	rs74277082	T	C	0.411	0.045	0.083	9.04E-20	-0.026	0.024	0.283	0.022	82.763	TRUE	7.62E-19
Non-allergic asthma	MYH9	cg23015219	rs8135600	G	A	0.555	0.039	0.090	9.01E-45	0.011	0.027	0.689	0.051	196.985	TRUE	4.43E-43
Non-allergic asthma	NACC2	cg00236077	rs7028545	T	C	-0.254	0.023	0.495	1.92E-27	0.010	0.016	0.539	0.031	117.735	TRUE	1.98E-26
Non-allergic asthma	NACC2	cg00236077	rs72773737	A	T	-1.268	0.062	0.036	1.89E-92	-0.088	0.031	0.005	0.101	415.694	TRUE	5.92E-85
Non-allergic asthma	NACC2	cg00648203	rs11792837	A	C	0.229	0.031	0.169	1.04E-13	0.034	0.019	0.071	0.015	55.251	TRUE	9.33E-13
Non-allergic asthma	NACC2	cg00648203	rs1747842	T	C	0.278	0.051	0.062	3.84E-08	0.034	0.036	0.344	0.008	30.214	TRUE	9.65E-08
Non-allergic asthma	NACC2	cg00648203	rs4842105	A	G	-0.603	0.027	0.233	4.08E-112	0.007	0.020	0.704	0.120	506.010	TRUE	2.35E-105
Non-allergic asthma	NACC2	cg00648203	rs76689007	T	C	-0.466	0.082	0.026	1.47E-08	-0.007	0.119	0.950	0.009	32.081	TRUE	2.07E-08
Non-allergic asthma	NACC2	cg01612110	rs11103335	G	C	-0.201	0.035	0.158	1.28E-08	0.017	0.025	0.499	0.009	32.340	TRUE	2.79E-08
Non-allergic asthma	NACC2	cg01612110	rs115848636	G	T	-0.593	0.081	0.027	2.97E-13	0.000	0.119	0.998	0.014	53.198	TRUE	5.15E-13
Non-allergic asthma	NACC2	cg01612110	rs1622817	G	A	-0.155	0.025	0.378	2.91E-10	-0.034	0.017	0.047	0.011	39.716	TRUE	1.95E-09
Non-allergic asthma	NACC2	cg01612110	rs1747842	T	C	0.307	0.051	0.062	1.24E-09	0.034	0.036	0.344	0.010	36.880	TRUE	3.58E-09
Non-allergic asthma	NACC2	cg01612110	rs55737177	A	G	0.292	0.031	0.167	5.10E-21	0.035	0.019	0.057	0.023	88.447	TRUE	1.23E-19

Non-allergic asthma	NACC2	cg01612110	rs79105125	C	T	-0.749	0.026	0.231	5.15E-177	0.009	0.019	0.661	0.179	804.260	TRUE	1.86E-162
Non-allergic asthma	NACC2	cg03587907	rs13284838	A	C	0.153	0.025	0.338	9.90E-10	0.026	0.016	0.107	0.010	37.325	TRUE	4.69E-09
Non-allergic asthma	NACC2	cg08763846	rs12003954	T	C	0.346	0.062	0.086	2.51E-08	-0.003	0.030	0.909	0.008	31.037	TRUE	3.64E-08
Non-allergic asthma	NACC2	cg08763846	rs1717453	T	C	0.523	0.047	0.071	1.85E-28	-0.068	0.029	0.017	0.032	122.370	TRUE	2.15E-26
Non-allergic asthma	NACC2	cg13549345	rs10745379	A	G	0.179	0.023	0.423	1.75E-14	-0.001	0.016	0.948	0.016	58.760	TRUE	3.46E-14
Non-allergic asthma	NACC2	cg13588388	rs1717451	T	C	0.485	0.048	0.071	2.30E-24	-0.068	0.029	0.018	0.027	103.692	TRUE	1.49E-22
Non-allergic asthma	NACC2	cg13588388	rs7034427	C	T	-0.415	0.027	0.237	4.13E-52	0.003	0.019	0.857	0.059	230.607	TRUE	3.43E-50
Non-allergic asthma	NACC2	cg13923277	rs10481731	A	G	-0.246	0.043	0.064	1.20E-08	-0.137	0.059	0.021	0.009	32.462	TRUE	8.05E-08
Non-allergic asthma	NACC2	cg13923277	rs11103335	G	C	-0.313	0.035	0.158	6.26E-19	0.017	0.025	0.499	0.021	78.943	TRUE	3.17E-18
Non-allergic asthma	NACC2	cg13923277	rs114514608	A	G	-0.555	0.081	0.024	7.82E-12	-0.013	0.115	0.911	0.012	46.785	TRUE	1.37E-11
Non-allergic asthma	NACC2	cg13923277	rs1747872	A	G	0.394	0.069	0.066	1.40E-08	-0.009	0.030	0.768	0.009	32.169	TRUE	2.33E-08
Non-allergic asthma	NACC2	cg13923277	rs55737177	A	G	0.211	0.031	0.167	1.13E-11	0.035	0.019	0.057	0.012	46.069	TRUE	8.48E-11
Non-allergic asthma	NACC2	cg13923277	rs79105125	C	T	-0.890	0.024	0.231	5.23E-299	0.009	0.019	0.661	0.270	1365.226	TRUE	2.19E-263
Non-allergic asthma	NACC2	cg13978542	rs62583484	T	C	0.243	0.026	0.369	2.91E-20	-0.023	0.016	0.156	0.022	85.007	TRUE	3.77E-19
Non-allergic asthma	NACC2	cg13979562	rs4842101	G	A	-0.552	0.025	0.285	3.11E-104	0.005	0.018	0.777	0.113	469.806	TRUE	2.47E-98
Non-allergic asthma	NACC2	cg14126392	rs11790228	T	A	0.137	0.025	0.339	4.07E-08	0.026	0.016	0.109	0.008	30.098	TRUE	1.58E-07
Non-allergic asthma	NACC2	cg14147151	rs4842091	G	A	0.364	0.036	0.246	1.58E-23	-0.038	0.018	0.035	0.026	99.875	TRUE	6.66E-22
Non-allergic asthma	NACC2	cg14175330	rs4842091	G	A	0.206	0.036	0.246	1.43E-08	-0.038	0.018	0.035	0.009	32.127	TRUE	8.25E-08
Non-allergic asthma	NACC2	cg14242024	rs4842104	C	T	-0.159	0.026	0.260	1.90E-09	0.010	0.019	0.600	0.010	36.052	TRUE	3.96E-09
Non-allergic asthma	NACC2	cg14253096	rs55987927	T	C	-0.284	0.041	0.094	3.32E-12	0.007	0.022	0.743	0.013	48.465	TRUE	7.15E-12
Non-allergic asthma	NACC2	cg14253096	rs77639581	A	G	0.249	0.037	0.116	2.73E-11	-0.001	0.030	0.985	0.012	44.334	TRUE	4.31E-11
Non-allergic asthma	NACC2	cg14350701	rs185043138	G	A	-0.364	0.058	0.044	2.66E-10	-0.088	0.031	0.005	0.011	39.887	TRUE	3.31E-09
Non-allergic asthma	NACC2	cg14350701	rs4419885	C	G	-0.293	0.025	0.316	3.55E-32	-0.018	0.017	0.286	0.036	139.355	TRUE	1.12E-30
Non-allergic asthma	NACC2	cg14618312	rs4842104	C	T	-0.226	0.027	0.260	3.78E-17	0.010	0.019	0.600	0.019	70.849	TRUE	1.41E-16
Non-allergic asthma	NACC2	cg18768887	rs1717453	T	C	-0.363	0.048	0.071	2.50E-14	-0.068	0.029	0.017	0.015	58.058	TRUE	4.05E-13
Non-allergic asthma	NACC2	cg21229179	rs35062806	A	G	0.278	0.035	0.158	4.10E-15	0.018	0.025	0.482	0.016	61.617	TRUE	1.54E-14
Non-allergic asthma	NACC2	cg21229179	rs77190494	A	G	0.542	0.075	0.018	6.34E-13	-0.092	0.096	0.337	0.014	51.712	TRUE	2.49E-12
Non-allergic asthma	NACC2	cg21229179	rs79105125	C	T	0.382	0.027	0.231	4.02E-44	0.009	0.019	0.661	0.050	194.009	TRUE	1.95E-42
Non-allergic asthma	NACC2	cg22747092	rs11103328	T	G	-0.321	0.048	0.071	1.86E-11	-0.068	0.029	0.018	0.012	45.093	TRUE	1.97E-10
Non-allergic asthma	NBN	cg00797142	rs1805803	A	G	-0.267	0.027	0.328	8.15E-23	0.035	0.016	0.030	0.025	96.628	TRUE	3.34E-21
Non-allergic asthma	NBN	cg20894569	rs117968120	T	C	-0.608	0.078	0.025	8.27E-15	0.015	0.047	0.742	0.016	60.236	TRUE	2.14E-14
Non-allergic asthma	NBN	cg20894569	rs13277948	C	T	-0.239	0.028	0.300	8.33E-18	-0.011	0.017	0.531	0.020	73.832	TRUE	3.65E-17
Non-allergic asthma	NBN	cg20894569	rs1394501	A	G	-0.165	0.028	0.311	2.45E-09	-0.016	0.017	0.338	0.010	35.558	TRUE	6.93E-09
Non-allergic asthma	NBN	cg20894569	rs140735389	T	C	-0.454	0.080	0.056	1.38E-08	-0.021	0.030	0.483	0.009	32.201	TRUE	3.05E-08
Non-allergic asthma	NBN	cg20894569	rs1468078	A	G	0.400	0.070	0.030	1.24E-08	-0.019	0.033	0.569	0.009	32.408	TRUE	2.51E-08
Non-allergic asthma	NBN	cg20894569	rs16904078	C	A	-0.503	0.050	0.073	4.10E-24	-0.007	0.030	0.820	0.027	102.544	TRUE	1.93E-23
Non-allergic asthma	NBN	cg20894569	rs35954347	A	T	-0.304	0.038	0.123	2.51E-15	0.025	0.021	0.246	0.017	62.587	TRUE	1.48E-14
Non-allergic asthma	NBN	cg20894569	rs36116281	C	T	-0.270	0.049	0.076	3.94E-08	-0.023	0.030	0.444	0.008	30.161	TRUE	8.77E-08
Non-allergic asthma	NBN	cg20894569	rs4961167	G	C	-0.856	0.025	0.325	6.61E-258	0.035	0.016	0.032	0.241	1176.196	TRUE	2.32E-227
Non-allergic asthma	NBN	cg20894569	rs56364409	A	G	-0.362	0.059	0.045	1.03E-09	-0.002	0.039	0.953	0.010	37.252	TRUE	1.54E-09
Non-allergic asthma	NBN	cg20894569	rs59229746	G	A	-0.298	0.047	0.084	2.80E-10	0.006	0.021	0.761	0.011	39.788	TRUE	5.22E-10
Non-allergic asthma	NBN	cg20894569	rs7162	A	G	-0.670	0.069	0.033	2.00E-22	0.019	0.044	0.675	0.025	94.849	TRUE	1.03E-21

Non-allergic asthma	NBN	cg20894569	rs72671865	A	G	-0.524	0.081	0.023	7.92E-11	0.098	0.047	0.040	0.011	42.254	TRUE	6.04E-10
Non-allergic asthma	NBN	cg20894569	rs78052071	T	C	-0.606	0.082	0.024	1.36E-13	0.036	0.039	0.359	0.015	54.732	TRUE	5.46E-13
Non-allergic asthma	NBN	cg20894569	rs79742036	G	A	-0.519	0.070	0.034	1.07E-13	0.066	0.087	0.451	0.015	55.195	TRUE	3.77E-13
Non-allergic asthma	NBN	cg20894569	rs9297813	T	C	-0.328	0.027	0.341	1.92E-34	-0.007	0.016	0.647	0.039	149.714	TRUE	3.24E-33
Non-allergic asthma	NCAPD3	cg18968306	rs10894798	C	G	-0.237	0.035	0.309	1.36E-11	-0.031	0.017	0.070	0.012	45.698	TRUE	9.44E-11
Non-allergic asthma	NCAPD3	cg18968306	rs1144215	C	T	-0.236	0.024	0.452	2.10E-23	0.020	0.016	0.200	0.026	99.310	TRUE	3.28E-22
Non-allergic asthma	NCAPD3	cg18968306	rs1144221	A	C	-0.277	0.024	0.386	6.86E-30	0.004	0.016	0.806	0.034	128.908	TRUE	5.46E-29
Non-allergic asthma	NCAPD3	cg18968306	rs12803807	C	T	-1.015	0.035	0.108	2.92E-180	0.005	0.024	0.824	0.181	819.183	TRUE	1.46E-165
Non-allergic asthma	NCAPD3	cg18968306	rs1669258	T	G	0.234	0.023	0.493	8.88E-24	-0.007	0.016	0.655	0.027	101.015	TRUE	5.29E-23
Non-allergic asthma	NCAPD3	cg18968306	rs6590735	G	T	0.220	0.023	0.465	1.60E-21	0.016	0.016	0.322	0.024	90.734	TRUE	1.47E-20
Non-allergic asthma	NCAPD3	cg18968306	rs661820	T	C	0.170	0.030	0.196	8.50E-09	-0.010	0.020	0.593	0.009	33.140	TRUE	1.70E-08
Non-allergic asthma	NCAPD3	cg18968306	rs75906836	C	G	-0.436	0.053	0.054	1.64E-16	-0.088	0.028	0.002	0.018	67.957	TRUE	7.24E-15
Non-allergic asthma	NCAPD3	cg20417506	rs12803807	C	T	-0.351	0.036	0.108	5.40E-22	0.005	0.024	0.824	0.024	92.887	TRUE	2.13E-21
Non-allergic asthma	NEDD4	cg02198044	rs1509408	C	A	-0.302	0.026	0.255	3.58E-31	-0.019	0.019	0.316	0.035	134.768	TRUE	9.21E-30
Non-allergic asthma	NEDD4	cg05129572	rs112740777	C	G	1.042	0.066	0.033	1.79E-55	0.062	0.038	0.100	0.062	246.023	TRUE	3.55E-52
Non-allergic asthma	NEDD4	cg05129572	rs11857557	A	G	0.172	0.028	0.218	6.13E-10	0.034	0.019	0.079	0.010	38.259	TRUE	3.32E-09
Non-allergic asthma	NEDD4	cg05129572	rs143067573	T	C	0.687	0.041	0.090	9.34E-64	0.041	0.024	0.082	0.071	284.000	TRUE	8.76E-60
Non-allergic asthma	NEDD4	cg05129572	rs17238381	C	T	0.165	0.023	0.423	2.27E-12	-0.024	0.016	0.141	0.013	49.211	TRUE	1.30E-11
Non-allergic asthma	NEDD4	cg05129572	rs186466334	T	A	0.602	0.075	0.023	1.24E-15	0.064	0.043	0.134	0.017	63.971	TRUE	1.05E-14
Non-allergic asthma	NEDD4	cg05129572	rs28618157	G	A	0.282	0.048	0.067	3.69E-09	-0.001	0.029	0.965	0.009	34.760	TRUE	5.31E-09
Non-allergic asthma	NEDD4	cg05129572	rs57871595	A	G	-0.316	0.024	0.373	7.54E-40	-0.015	0.017	0.384	0.045	174.446	TRUE	4.39E-38
Non-allergic asthma	NEDD4	cg05129572	rs62045211	T	C	-0.269	0.030	0.183	9.06E-19	0.002	0.021	0.929	0.021	78.213	TRUE	2.42E-18
Non-allergic asthma	NEDD4	cg05129572	rs75417626	T	C	-0.215	0.029	0.215	5.24E-14	-0.001	0.022	0.946	0.015	56.607	TRUE	1.01E-13
Non-allergic asthma	NEDD4	cg05129572	rs8033577	G	A	1.035	0.023	0.206	<1E-200	0.037	0.018	0.033	0.346	1956.276	TRUE	<1E-200
Non-allergic asthma	NEDD4	cg10433327	rs35617453	A	C	-0.295	0.037	0.107	7.09E-16	-0.013	0.024	0.601	0.017	65.073	TRUE	2.39E-15
Non-allergic asthma	NEDD4	cg10433327	rs7174459	T	C	0.211	0.026	0.263	1.56E-15	0.042	0.017	0.012	0.017	63.522	TRUE	3.43E-14
Non-allergic asthma	NEDD4	cg20929476	rs2136385	C	A	-0.278	0.023	0.484	2.82E-32	0.016	0.016	0.313	0.036	139.813	TRUE	8.28E-31
Non-allergic asthma	NEDD4	cg20929476	rs9652429	C	T	-0.528	0.037	0.109	1.47E-45	0.006	0.020	0.779	0.051	200.597	TRUE	6.47E-44
Non-allergic asthma	NEDD4	cg24686153	rs11071216	T	C	-0.240	0.024	0.341	8.11E-23	0.007	0.016	0.660	0.025	96.638	TRUE	4.41E-22
Non-allergic asthma	NEDD4	cg24686153	rs11631355	T	C	0.248	0.032	0.392	1.27E-14	-0.011	0.016	0.504	0.016	59.390	TRUE	4.45E-14
Non-allergic asthma	NEDD4	cg24686153	rs17819156	A	G	0.368	0.065	0.063	1.48E-08	0.003	0.030	0.912	0.009	32.061	TRUE	2.17E-08
Non-allergic asthma	NEDD4	cg24686153	rs186466334	T	A	0.635	0.075	0.023	2.70E-17	0.064	0.043	0.134	0.019	71.514	TRUE	2.74E-16
Non-allergic asthma	NEDD4	cg24686153	rs34333169	C	G	-1.387	0.037	0.078	<1E-200	0.004	0.028	0.881	0.278	1426.874	TRUE	1.52E-274
Non-allergic asthma	NEDD4	cg24686153	rs687128	A	C	0.136	0.024	0.423	9.03E-09	0.030	0.016	0.056	0.009	33.022	TRUE	4.69E-08
Non-allergic asthma	NEDD4	cg24686153	rs72732276	C	T	1.166	0.035	0.103	6.87E-248	-0.012	0.024	0.615	0.234	1130.132	TRUE	5.91E-222
Non-allergic asthma	NEDD4	cg24686153	rs748028	A	G	-0.385	0.035	0.280	9.51E-28	0.020	0.017	0.217	0.031	119.128	TRUE	2.28E-26
Non-allergic asthma	NEDD4	cg24686153	rs79396235	G	T	0.318	0.046	0.076	3.03E-12	0.000	0.029	0.993	0.013	48.641	TRUE	4.99E-12
Non-allergic asthma	NEU1	cg00397479	rs9268158	T	C	-0.290	0.034	0.128	4.12E-17	0.058	0.027	0.032	0.019	70.680	TRUE	7.85E-16
Non-allergic asthma	NEU1	cg00397479	rs9276569	T	C	-0.135	0.023	0.479	4.28E-09	0.041	0.016	0.010	0.009	34.475	TRUE	3.69E-08
Non-allergic asthma	NEU1	cg13634177	rs3130455	T	A	-0.155	0.027	0.255	6.86E-09	0.055	0.022	0.013	0.009	33.556	TRUE	5.34E-08
Non-allergic asthma	NEU1	cg21116447	rs56280220	C	G	0.849	0.103	0.013	1.44E-16	-0.067	0.104	0.522	0.018	68.210	TRUE	5.77E-16
Non-allergic asthma	NEU1	cg25560247	rs385306	A	G	-0.207	0.029	0.217	6.44E-13	-0.074	0.016	5.71E-06	0.014	51.680	TRUE	5.11E-11

Non-allergic asthma	NEU1	cg27645345	rs116312062	G	T	-0.197	0.034	0.137	6.22E-09	0.062	0.027	0.023	0.009	33.747	TRUE	4.24E-08
Non-allergic asthma	NLRC4	cg14625450	rs212756	A	G	0.288	0.023	0.442	4.44E-36	0.010	0.016	0.544	0.041	157.198	TRUE	1.11E-34
Non-allergic asthma	NLRC4	cg14625450	rs438408	G	A	0.147	0.024	0.329	2.17E-09	0.034	0.016	0.036	0.010	35.793	TRUE	1.40E-08
Non-allergic asthma	NLRC4	cg22713339	rs138116467	T	C	-1.570	0.115	0.011	2.08E-42	0.132	0.054	0.015	0.048	186.165	TRUE	2.07E-39
Non-allergic asthma	NOS3	cg00571021	rs112748368	A	T	-0.184	0.028	0.218	4.27E-11	-0.037	0.019	0.045	0.012	43.462	TRUE	3.23E-10
Non-allergic asthma	NOS3	cg00571021	rs148743489	A	G	-0.387	0.069	0.033	2.40E-08	-0.210	0.088	0.016	0.008	31.120	TRUE	1.63E-07
Non-allergic asthma	NOS3	cg00571021	rs1808593	G	T	-0.466	0.026	0.250	9.15E-70	-0.008	0.021	0.723	0.078	311.567	TRUE	1.37E-66
Non-allergic asthma	NOS3	cg00571021	rs748693	G	A	0.162	0.024	0.360	2.16E-11	0.016	0.017	0.338	0.012	44.792	TRUE	7.38E-11
Non-allergic asthma	NOS3	cg00700487	rs2853795	G	A	0.307	0.031	0.172	2.24E-23	-0.004	0.018	0.807	0.026	99.180	TRUE	1.01E-22
Non-allergic asthma	NOS3	cg00700487	rs743506	G	A	-0.379	0.027	0.256	2.60E-46	-0.007	0.021	0.755	0.052	204.037	TRUE	1.32E-44
Non-allergic asthma	NOS3	cg03469471	rs743506	G	A	-0.190	0.027	0.256	1.36E-12	-0.007	0.021	0.755	0.013	50.212	TRUE	2.97E-12
Non-allergic asthma	NOS3	cg07795016	rs1808593	G	T	-0.189	0.027	0.250	1.68E-12	-0.008	0.021	0.723	0.013	49.802	TRUE	3.78E-12
Non-allergic asthma	NOS3	cg07841866	rs2256314	G	A	-0.416	0.027	0.251	1.99E-55	-0.006	0.021	0.767	0.062	245.806	TRUE	3.19E-53
Non-allergic asthma	NOS3	cg07841866	rs2853795	G	A	0.240	0.031	0.172	7.35E-15	-0.004	0.018	0.807	0.016	60.469	TRUE	1.76E-14
Non-allergic asthma	NOS3	cg07841866	rs57756713	T	G	0.176	0.024	0.447	1.02E-13	0.021	0.016	0.179	0.015	55.304	TRUE	6.05E-13
Non-allergic asthma	NOS3	cg10501602	rs2566511	T	C	0.309	0.027	0.245	3.52E-30	0.002	0.017	0.912	0.034	130.233	TRUE	2.39E-29
Non-allergic asthma	NOS3	cg10501602	rs34459590	C	G	0.141	0.026	0.303	4.62E-08	0.007	0.017	0.684	0.008	29.852	TRUE	8.05E-08
Non-allergic asthma	NOS3	cg10501602	rs753482	C	A	-0.269	0.028	0.212	3.35E-21	-0.016	0.022	0.455	0.024	89.277	TRUE	2.25E-20
Non-allergic asthma	NOS3	cg10501602	rs917807	T	G	0.188	0.028	0.209	3.56E-11	0.020	0.019	0.295	0.012	43.816	TRUE	1.28E-10
Non-allergic asthma	NOS3	cg12547085	rs3918226	T	C	0.331	0.044	0.079	4.18E-14	0.035	0.031	0.251	0.015	57.051	TRUE	2.17E-13
Non-allergic asthma	NOS3	cg19475224	rs138595199	A	G	-1.599	0.136	0.014	4.43E-32	0.101	0.050	0.044	0.036	138.912	TRUE	5.21E-30
Non-allergic asthma	NOS3	cg20498962	rs2566514	G	C	0.176	0.027	0.252	6.33E-11	0.010	0.017	0.545	0.011	42.693	TRUE	1.56E-10
Non-allergic asthma	NOS3	cg20498962	rs753482	C	A	-0.164	0.029	0.212	8.99E-09	-0.016	0.022	0.455	0.009	33.030	TRUE	2.08E-08
Non-allergic asthma	NOS3	cg21901847	rs11762978	G	A	-0.210	0.025	0.325	2.07E-17	0.013	0.016	0.421	0.019	72.041	TRUE	1.05E-16
Non-allergic asthma	NOS3	cg21901847	rs11769158	A	G	0.287	0.036	0.121	2.64E-15	-0.020	0.026	0.449	0.017	62.483	TRUE	1.06E-14
Non-allergic asthma	NOS3	cg21901847	rs11971392	T	C	-0.299	0.026	0.298	1.85E-31	0.008	0.017	0.656	0.035	136.081	TRUE	2.25E-30
Non-allergic asthma	NOS3	cg21901847	rs12155241	T	C	0.151	0.028	0.231	4.07E-08	-0.035	0.019	0.063	0.008	30.100	TRUE	1.86E-07
Non-allergic asthma	NOS3	cg21901847	rs2373927	C	A	0.145	0.025	0.341	4.32E-09	-0.010	0.017	0.559	0.009	34.455	TRUE	9.15E-09
Non-allergic asthma	NOS3	cg21901847	rs34074336	A	G	0.176	0.026	0.286	2.74E-11	0.016	0.018	0.383	0.012	44.332	TRUE	8.63E-11
Non-allergic asthma	NOS3	cg21901847	rs3918182	A	G	0.140	0.025	0.369	1.21E-08	-0.010	0.017	0.551	0.009	32.451	TRUE	2.50E-08
Non-allergic asthma	NOS3	cg21901847	rs3918226	T	C	0.255	0.044	0.079	6.05E-09	0.035	0.031	0.251	0.009	33.801	TRUE	1.89E-08
Non-allergic asthma	NOS3	cg21901847	rs41311015	T	C	-0.516	0.092	0.019	2.06E-08	-0.021	0.043	0.629	0.008	31.417	TRUE	3.87E-08
Non-allergic asthma	NOS3	cg21901847	rs41313071	A	C	-0.392	0.058	0.034	1.63E-11	0.015	0.041	0.718	0.012	45.342	TRUE	3.46E-11
Non-allergic asthma	NOS3	cg21901847	rs4148853	A	G	-0.269	0.031	0.174	4.40E-18	-0.020	0.019	0.274	0.020	75.092	TRUE	3.20E-17
Non-allergic asthma	NOS3	cg21901847	rs55908531	C	T	0.236	0.042	0.081	2.38E-08	-0.002	0.036	0.947	0.008	31.141	TRUE	3.34E-08
Non-allergic asthma	NOS3	cg21901847	rs891511	A	G	-0.656	0.024	0.323	2.93E-167	-0.004	0.016	0.810	0.170	759.412	TRUE	2.64E-154
Non-allergic asthma	NOS3	cg21932452	rs11769256	T	C	-0.187	0.029	0.192	1.80E-10	0.009	0.023	0.694	0.011	40.648	TRUE	3.65E-10
Non-allergic asthma	NOS3	cg21932452	rs310594	A	C	0.396	0.062	0.042	1.62E-10	0.042	0.032	0.183	0.011	40.860	TRUE	6.79E-10
Non-allergic asthma	NOS3	cg21932452	rs3793341	G	A	0.362	0.032	0.149	1.51E-29	0.002	0.021	0.941	0.033	127.348	TRUE	9.20E-29
Non-allergic asthma	NOS3	cg21932452	rs3918176	T	C	-0.302	0.024	0.365	2.52E-35	-0.012	0.017	0.481	0.040	153.751	TRUE	6.71E-34
Non-allergic asthma	NOS3	cg24032393	rs10893	G	A	0.209	0.025	0.312	2.38E-16	0.005	0.017	0.769	0.018	67.223	TRUE	6.63E-16
Non-allergic asthma	NOS3	cg24032393	rs11769256	T	C	0.174	0.029	0.192	3.45E-09	0.009	0.023	0.694	0.009	34.893	TRUE	6.41E-09

Non-allergic asthma	NOS3	cg24032393	rs12703107	T	G	0.236	0.028	0.238	1.55E-17	0.002	0.017	0.890	0.019	72.609	TRUE	4.01E-17
Non-allergic asthma	NOS3	cg24032393	rs144527061	A	G	0.276	0.043	0.080	9.39E-11	-0.002	0.036	0.947	0.011	41.922	TRUE	1.50E-10
Non-allergic asthma	NOS3	cg24032393	rs148743489	A	G	-0.532	0.069	0.033	1.43E-14	-0.210	0.088	0.016	0.016	59.160	TRUE	2.44E-13
Non-allergic asthma	NOS3	cg24032393	rs2192051	C	A	0.173	0.026	0.293	2.09E-11	-0.003	0.016	0.833	0.012	44.857	TRUE	3.89E-11
Non-allergic asthma	NOS3	cg24032393	rs2373924	C	T	-0.311	0.040	0.100	6.08E-15	0.017	0.031	0.591	0.016	60.843	TRUE	1.93E-14
Non-allergic asthma	NOS3	cg24032393	rs2566511	T	C	0.215	0.027	0.245	3.35E-15	0.002	0.017	0.912	0.016	62.019	TRUE	7.21E-15
Non-allergic asthma	NOS3	cg24032393	rs4725386	T	C	-0.214	0.027	0.253	7.13E-16	-0.035	0.020	0.083	0.017	65.063	TRUE	7.72E-15
Non-allergic asthma	NOS3	cg24032393	rs741068	T	C	0.136	0.024	0.347	2.71E-08	0.008	0.017	0.619	0.008	30.885	TRUE	5.11E-08
Non-allergic asthma	NOS3	cg24032393	rs7781606	T	C	-0.318	0.032	0.167	1.22E-23	-0.003	0.022	0.888	0.026	100.379	TRUE	4.98E-23
Non-allergic asthma	NOS3	cg24032393	rs891512	A	G	-0.762	0.027	0.214	3.59E-175	-0.016	0.022	0.455	0.177	795.782	TRUE	1.98E-160
Non-allergic asthma	NOS3	cg26168651	rs10240738	T	C	0.132	0.024	0.464	2.36E-08	0.018	0.016	0.266	0.008	31.159	TRUE	6.77E-08
Non-allergic asthma	NOS3	cg26168651	rs7830	T	G	0.241	0.025	0.326	1.65E-22	-0.001	0.016	0.965	0.025	95.236	TRUE	5.47E-22
Non-allergic asthma	ORMDL3	cg04308185	rs1467258	G	A	0.220	0.034	0.141	7.97E-11	0.028	0.020	0.161	0.011	42.242	TRUE	3.66E-10
Non-allergic asthma	ORMDL3	cg04308185	rs35557848	T	C	-0.426	0.027	0.235	1.74E-54	-0.053	0.018	0.003	0.061	241.491	TRUE	3.37E-50
Non-allergic asthma	ORMDL3	cg04308185	rs3744246	T	C	0.446	0.029	0.216	4.48E-55	-0.023	0.019	0.216	0.062	244.194	TRUE	3.92E-52
Non-allergic asthma	ORMDL3	cg04308185	rs4795396	T	C	0.708	0.114	0.013	5.78E-10	0.017	0.096	0.863	0.010	38.372	TRUE	9.57E-10
Non-allergic asthma	ORMDL3	cg08932654	rs35557848	T	C	-0.432	0.027	0.235	4.99E-56	-0.053	0.018	0.003	0.063	248.563	TRUE	1.28E-51
Non-allergic asthma	ORMDL3	cg08932654	rs3744246	T	C	0.255	0.029	0.216	1.08E-18	-0.023	0.019	0.216	0.021	77.865	TRUE	9.73E-18
Non-allergic asthma	ORMDL3	cg08932654	rs407307	A	G	0.218	0.025	0.324	5.19E-18	0.050	0.017	0.003	0.020	74.766	TRUE	2.53E-16
Non-allergic asthma	ORMDL3	cg08932654	rs4795396	T	C	0.670	0.114	0.013	4.49E-09	0.017	0.096	0.863	0.009	34.380	TRUE	7.07E-09
Non-allergic asthma	ORMDL3	cg08932654	rs7502966	C	T	-0.144	0.024	0.427	1.31E-09	-0.026	0.016	0.116	0.010	36.786	TRUE	5.92E-09
Non-allergic asthma	ORMDL3	cg10444806	rs35557848	T	C	-0.350	0.028	0.235	4.15E-37	-0.053	0.018	0.003	0.042	161.907	TRUE	4.14E-34
Non-allergic asthma	ORMDL3	cg10444806	rs3744246	T	C	0.340	0.029	0.216	2.11E-32	-0.023	0.019	0.216	0.037	140.381	TRUE	8.71E-31
Non-allergic asthma	ORMDL3	cg10909506	rs11078916	T	C	-0.302	0.026	0.284	7.40E-31	0.023	0.018	0.196	0.035	133.325	TRUE	2.74E-29
Non-allergic asthma	ORMDL3	cg10909506	rs114211283	A	T	-0.368	0.050	0.065	1.89E-13	0.092	0.031	0.003	0.014	54.092	TRUE	4.47E-12
Non-allergic asthma	ORMDL3	cg10909506	rs12946335	T	C	0.646	0.116	0.019	2.25E-08	0.092	0.094	0.327	0.008	31.249	TRUE	5.91E-08
Non-allergic asthma	ORMDL3	cg10909506	rs192665233	A	C	-0.475	0.078	0.039	1.16E-09	0.068	0.062	0.273	0.010	37.018	TRUE	3.74E-09
Non-allergic asthma	ORMDL3	cg10909506	rs2060941	T	G	0.560	0.033	0.148	1.72E-66	0.005	0.021	0.819	0.074	296.541	TRUE	1.19E-63
Non-allergic asthma	ORMDL3	cg10909506	rs35797841	T	C	-0.331	0.058	0.035	1.32E-08	0.004	0.041	0.927	0.009	32.284	TRUE	1.91E-08
Non-allergic asthma	ORMDL3	cg10909506	rs3889369	T	A	-0.302	0.034	0.136	1.84E-18	0.042	0.027	0.124	0.020	76.808	TRUE	2.22E-17
Non-allergic asthma	ORMDL3	cg10909506	rs4065275	A	G	0.740	0.021	0.497	5.62E-282	-0.069	0.016	1.17E-05	0.258	1286.897	TRUE	8.56E-243
Non-allergic asthma	ORMDL3	cg10909506	rs471692	T	C	0.191	0.030	0.197	2.86E-10	0.001	0.022	0.962	0.011	39.744	TRUE	4.38E-10
Non-allergic asthma	ORMDL3	cg10909506	rs534012	C	T	0.188	0.032	0.162	6.35E-09	0.019	0.028	0.492	0.009	33.705	TRUE	1.43E-08
Non-allergic asthma	ORMDL3	cg10909506	rs55913526	T	C	-0.508	0.043	0.077	7.28E-33	0.072	0.035	0.044	0.037	142.498	TRUE	9.54E-31
Non-allergic asthma	ORMDL3	cg10909506	rs62065216	A	G	-0.263	0.024	0.417	8.33E-29	0.022	0.016	0.171	0.032	123.955	TRUE	2.69E-27
Non-allergic asthma	ORMDL3	cg10909506	rs62065258	A	G	-0.265	0.028	0.248	5.77E-22	0.010	0.019	0.596	0.024	92.755	TRUE	3.24E-21
Non-allergic asthma	ORMDL3	cg10909506	rs72825201	C	A	0.370	0.050	0.061	1.88E-13	-0.031	0.026	0.241	0.014	54.094	TRUE	9.37E-13
Non-allergic asthma	ORMDL3	cg10909506	rs72827105	G	C	0.333	0.048	0.160	4.59E-12	-0.026	0.019	0.178	0.013	47.830	TRUE	2.30E-11
Non-allergic asthma	ORMDL3	cg10909506	rs72832972	T	C	-0.380	0.046	0.072	1.44E-16	0.002	0.036	0.960	0.018	68.213	TRUE	3.19E-16
Non-allergic asthma	ORMDL3	cg10909506	rs73985231	C	T	0.612	0.046	0.065	1.13E-39	-0.006	0.024	0.793	0.045	173.643	TRUE	2.47E-38
Non-allergic asthma	ORMDL3	cg12655416	rs11078892	T	C	-0.191	0.035	0.472	3.18E-08	-0.001	0.016	0.971	0.008	30.578	TRUE	4.34E-08
Non-allergic asthma	ORMDL3	cg12655416	rs113657930	G	C	-0.490	0.059	0.042	1.27E-16	-0.074	0.039	0.056	0.018	68.467	TRUE	1.80E-15

Non-allergic asthma	ORMDL3	cg12655416	rs117381273	A	G	0.573	0.049	0.058	9.63E-32	-0.001	0.024	0.971	0.036	137.372	TRUE	6.79E-31
Non-allergic asthma	ORMDL3	cg12655416	rs12941811	T	C	-0.246	0.024	0.419	1.95E-25	0.053	0.016	8.42E-04	0.029	108.577	TRUE	4.76E-23
Non-allergic asthma	ORMDL3	cg12655416	rs12946335	T	C	0.660	0.116	0.019	1.13E-08	0.092	0.094	0.327	0.009	32.593	TRUE	3.04E-08
Non-allergic asthma	ORMDL3	cg12655416	rs16522	C	T	0.238	0.033	0.153	7.86E-13	-0.007	0.020	0.729	0.014	51.290	TRUE	1.80E-12
Non-allergic asthma	ORMDL3	cg12655416	rs2715555	A	G	-0.301	0.033	0.148	2.62E-20	0.024	0.023	0.304	0.023	85.210	TRUE	2.22E-19
Non-allergic asthma	ORMDL3	cg12655416	rs4795388	A	G	-0.146	0.027	0.276	3.94E-08	0.034	0.018	0.057	0.008	30.161	TRUE	1.87E-07
Non-allergic asthma	ORMDL3	cg12655416	rs62066986	T	C	0.363	0.051	0.045	1.12E-12	-0.019	0.035	0.584	0.013	50.593	TRUE	3.02E-12
Non-allergic asthma	ORMDL3	cg12655416	rs72832924	T	C	-0.366	0.030	0.184	1.97E-34	0.039	0.026	0.137	0.039	149.661	TRUE	1.49E-32
Non-allergic asthma	ORMDL3	cg12655416	rs8076131	G	A	0.562	0.023	0.468	2.80E-135	-0.063	0.016	6.90E-05	0.142	612.436	TRUE	1.43E-121
Non-allergic asthma	ORMDL3	cg18711369	rs11078916	T	C	-0.297	0.026	0.284	5.34E-30	0.023	0.018	0.196	0.034	129.405	TRUE	1.79E-28
Non-allergic asthma	ORMDL3	cg18711369	rs114211283	A	T	-0.434	0.050	0.065	3.18E-18	0.092	0.031	0.003	0.020	75.734	TRUE	1.61E-16
Non-allergic asthma	ORMDL3	cg18711369	rs12946335	T	C	0.699	0.115	0.019	1.36E-09	0.092	0.094	0.327	0.010	36.705	TRUE	4.00E-09
Non-allergic asthma	ORMDL3	cg18711369	rs2060941	T	G	0.512	0.033	0.148	1.01E-55	0.005	0.021	0.819	0.063	247.160	TRUE	1.48E-53
Non-allergic asthma	ORMDL3	cg18711369	rs3826331	T	C	-0.292	0.024	0.395	5.46E-35	0.047	0.016	0.004	0.040	152.214	TRUE	3.51E-32
Non-allergic asthma	ORMDL3	cg18711369	rs4065275	A	G	0.762	0.020	0.497	1.56E-302	-0.069	0.016	1.17E-05	0.275	1399.833	TRUE	4.09E-262
Non-allergic asthma	ORMDL3	cg18711369	rs502041	C	G	0.165	0.028	0.225	5.78E-09	-0.004	0.021	0.838	0.009	33.890	TRUE	9.24E-09
Non-allergic asthma	ORMDL3	cg18711369	rs534012	C	T	0.194	0.032	0.162	1.93E-09	0.019	0.028	0.492	0.010	36.023	TRUE	4.53E-09
Non-allergic asthma	ORMDL3	cg18711369	rs62065258	A	G	-0.305	0.027	0.248	9.94E-29	0.010	0.019	0.596	0.032	123.605	TRUE	1.04E-27
Non-allergic asthma	ORMDL3	cg18711369	rs72825201	C	A	0.346	0.050	0.061	6.05E-12	-0.031	0.026	0.241	0.013	47.287	TRUE	2.59E-11
Non-allergic asthma	ORMDL3	cg18711369	rs72827105	G	C	0.341	0.048	0.160	1.34E-12	-0.026	0.019	0.178	0.013	50.236	TRUE	7.12E-12
Non-allergic asthma	ORMDL3	cg18711369	rs72832972	T	C	-0.414	0.046	0.072	1.66E-19	0.002	0.036	0.960	0.022	81.558	TRUE	4.49E-19
Non-allergic asthma	ORMDL3	cg18711369	rs79057213	G	C	0.564	0.048	0.061	6.53E-32	-0.006	0.024	0.783	0.036	138.143	TRUE	6.56E-31
Non-allergic asthma	ORMDL3	cg18711369	rs79641947	T	C	-0.363	0.037	0.115	7.65E-23	0.071	0.031	0.024	0.025	96.754	TRUE	3.50E-21
Non-allergic asthma	ORMDL3	cg19511844	rs7502539	A	G	-0.164	0.025	0.336	7.65E-11	-0.064	0.017	2.11E-04	0.011	42.323	TRUE	2.04E-09
Non-allergic asthma	ORMDL3	cg22144450	rs114211283	A	T	-0.289	0.050	0.065	7.46E-09	0.092	0.031	0.003	0.009	33.392	TRUE	8.03E-08
Non-allergic asthma	ORMDL3	cg22144450	rs2060941	T	G	0.389	0.033	0.148	1.26E-32	0.005	0.021	0.819	0.037	141.411	TRUE	1.27E-31
Non-allergic asthma	ORMDL3	cg22144450	rs2269457	C	T	-0.207	0.037	0.250	1.63E-08	0.023	0.017	0.177	0.009	31.870	TRUE	5.60E-08
Non-allergic asthma	ORMDL3	cg22144450	rs4252596	A	C	-0.235	0.035	0.126	2.65E-11	0.046	0.030	0.121	0.012	44.396	TRUE	1.44E-10
Non-allergic asthma	ORMDL3	cg22144450	rs4795401	A	G	-0.468	0.023	0.495	1.31E-92	0.072	0.016	4.36E-06	0.101	416.416	TRUE	2.81E-83
Non-allergic asthma	ORMDL3	cg22144450	rs60082402	G	A	-0.195	0.024	0.381	3.91E-16	0.049	0.016	0.002	0.018	66.248	TRUE	1.52E-14
Non-allergic asthma	ORMDL3	cg22144450	rs62065255	C	T	-0.208	0.027	0.253	2.50E-14	0.010	0.019	0.596	0.015	58.061	TRUE	7.52E-14
Non-allergic asthma	ORMDL3	cg22144450	rs73985231	C	T	0.411	0.047	0.065	1.11E-18	-0.006	0.024	0.793	0.021	77.815	TRUE	3.54E-18
Non-allergic asthma	ORMDL3	cg22144450	rs9897185	A	G	-0.168	0.027	0.251	8.00E-10	-0.008	0.021	0.699	0.010	37.739	TRUE	1.54E-09
Non-allergic asthma	P2RX7	cg00364287	rs10849846	C	T	0.990	0.053	0.049	6.47E-77	-0.067	0.028	0.018	0.085	344.377	TRUE	2.61E-71
Non-allergic asthma	P2RX7	cg00364287	rs185803657	A	G	0.642	0.074	0.021	2.56E-18	0.076	0.117	0.517	0.020	76.159	TRUE	1.20E-17
Non-allergic asthma	P2RX7	cg00364287	rs2567979	T	G	0.254	0.031	0.174	2.29E-16	-0.031	0.019	0.105	0.018	67.299	TRUE	2.37E-15
Non-allergic asthma	P2RX7	cg00364287	rs2668254	T	C	0.139	0.024	0.487	4.79E-09	-0.004	0.016	0.784	0.009	34.255	TRUE	8.09E-09
Non-allergic asthma	P2RX7	cg00364287	rs73214168	C	T	0.155	0.028	0.235	1.89E-08	0.011	0.020	0.562	0.008	31.588	TRUE	3.81E-08
Non-allergic asthma	P2RX7	cg05835635	rs11065420	C	T	-0.246	0.033	0.142	1.13E-13	-0.001	0.030	0.986	0.015	55.100	TRUE	2.03E-13
Non-allergic asthma	P2RX7	cg05835635	rs1180009	G	C	-0.632	0.033	0.131	2.37E-80	-0.017	0.019	0.355	0.089	360.147	TRUE	7.60E-76
Non-allergic asthma	P2RX7	cg05835635	rs146718874	A	G	-0.416	0.075	0.023	2.99E-08	0.117	0.078	0.131	0.008	30.695	TRUE	1.11E-07
Non-allergic asthma	P2RX7	cg05835635	rs1718125	T	C	-0.869	0.034	0.123	4.32E-143	-0.035	0.022	0.114	0.149	648.334	TRUE	2.00E-131

Non-allergic asthma	P2RX7	cg05835635	rs208296	A	G	0.275	0.025	0.324	5.09E-28	-0.014	0.017	0.416	0.032	120.368	TRUE	7.23E-27
Non-allergic asthma	P2RX7	cg05835635	rs2303998	A	G	-0.653	0.090	0.017	4.67E-13	-0.011	0.079	0.890	0.014	52.311	TRUE	9.03E-13
Non-allergic asthma	P2RX7	cg05835635	rs2393844	A	G	-0.514	0.040	0.101	3.22E-38	0.015	0.020	0.473	0.043	166.986	TRUE	1.22E-36
Non-allergic asthma	P2RX7	cg05835635	rs2567990	A	G	-0.508	0.055	0.056	1.54E-20	-0.004	0.032	0.901	0.023	86.257	TRUE	4.86E-20
Non-allergic asthma	P2RX7	cg05835635	rs28360463	A	C	-0.333	0.034	0.135	3.86E-22	-0.050	0.021	0.016	0.025	93.550	TRUE	1.93E-20
Non-allergic asthma	P2RX7	cg05835635	rs3751143	C	A	0.181	0.031	0.177	3.53E-09	-0.046	0.026	0.072	0.009	34.850	TRUE	1.79E-08
Non-allergic asthma	P2RX7	cg05835635	rs3850518	A	G	0.235	0.028	0.234	2.34E-17	0.040	0.021	0.055	0.019	71.797	TRUE	3.64E-16
Non-allergic asthma	P2RX7	cg05835635	rs4403877	A	G	0.224	0.041	0.094	4.01E-08	0.048	0.028	0.088	0.008	30.129	TRUE	1.66E-07
Non-allergic asthma	P2RX7	cg05835635	rs4980988	C	T	-0.327	0.055	0.047	2.88E-09	0.026	0.034	0.447	0.009	35.243	TRUE	7.03E-09
Non-allergic asthma	P2RX7	cg05835635	rs514108	C	T	-0.367	0.032	0.159	2.52E-31	0.013	0.021	0.541	0.035	135.463	TRUE	3.83E-30
Non-allergic asthma	P2RX7	cg05835635	rs6489787	G	A	0.148	0.025	0.328	2.25E-09	0.007	0.019	0.723	0.010	35.724	TRUE	4.12E-09
Non-allergic asthma	P2RX7	cg05835635	rs651606	A	G	-0.221	0.038	0.106	7.82E-09	0.007	0.028	0.793	0.009	33.302	TRUE	1.29E-08
Non-allergic asthma	P2RX7	cg05835635	rs77728240	T	G	-0.566	0.081	0.020	3.51E-12	-0.038	0.055	0.497	0.013	48.353	TRUE	1.02E-11
Non-allergic asthma	P2RX7	cg07203561	rs10849846	C	T	0.979	0.053	0.049	1.31E-75	-0.067	0.028	0.018	0.084	338.376	TRUE	4.08E-70
Non-allergic asthma	P2RX7	cg07203561	rs146718874	A	G	0.627	0.075	0.023	5.12E-17	0.117	0.078	0.131	0.019	70.251	TRUE	5.09E-16
Non-allergic asthma	P2RX7	cg07203561	rs1796404	A	C	-0.156	0.027	0.258	4.53E-09	0.013	0.017	0.425	0.009	34.364	TRUE	1.12E-08
Non-allergic asthma	P2RX7	cg07203561	rs2567979	T	G	0.265	0.031	0.174	9.11E-18	-0.031	0.019	0.105	0.020	73.656	TRUE	1.11E-16
Non-allergic asthma	P2RX7	cg07203561	rs2668254	T	C	0.131	0.024	0.487	3.43E-08	-0.004	0.016	0.784	0.008	30.434	TRUE	5.50E-08
Non-allergic asthma	P2RX7	cg07203561	rs28360475	G	A	0.165	0.027	0.234	1.89E-09	0.012	0.020	0.559	0.010	36.064	TRUE	4.11E-09
Non-allergic asthma	P2RX7	cg07602200	rs10849846	C	T	0.640	0.054	0.049	1.09E-32	-0.067	0.028	0.018	0.037	141.698	TRUE	2.29E-30
Non-allergic asthma	P2RX7	cg08688169	rs2393799	T	C	-0.356	0.027	0.247	2.17E-40	-0.029	0.016	0.079	0.046	176.918	TRUE	5.46E-38
Non-allergic asthma	P2RX7	cg08688169	rs73214164	C	T	-0.177	0.030	0.191	2.50E-09	0.014	0.020	0.493	0.010	35.521	TRUE	5.80E-09
Non-allergic asthma	P2RX7	cg10852165	rs10849846	C	T	0.799	0.054	0.049	6.63E-50	-0.067	0.028	0.018	0.056	220.500	TRUE	1.97E-46
Non-allergic asthma	P2RX7	cg10852165	rs146718874	A	G	0.419	0.075	0.023	2.34E-08	0.117	0.078	0.131	0.008	31.171	TRUE	8.79E-08
Non-allergic asthma	P2RX7	cg10852165	rs208278	G	A	-0.261	0.030	0.197	1.11E-18	-0.008	0.018	0.655	0.021	77.811	TRUE	4.32E-18
Non-allergic asthma	P2RX7	cg10852165	rs208298	A	G	-0.153	0.025	0.314	1.72E-09	0.041	0.017	0.019	0.010	36.249	TRUE	1.33E-08
Non-allergic asthma	P2RX7	cg10852165	rs2567979	T	G	0.187	0.031	0.174	1.68E-09	-0.031	0.019	0.105	0.010	36.291	TRUE	7.82E-09
Non-allergic asthma	P2RX7	cg10901569	rs1169299	C	T	-0.129	0.023	0.467	2.91E-08	-0.011	0.016	0.498	0.008	30.747	TRUE	6.19E-08
Non-allergic asthma	P2RX7	cg10901569	rs12301635	G	C	-0.263	0.042	0.085	4.35E-10	0.028	0.033	0.398	0.010	38.929	TRUE	1.21E-09
Non-allergic asthma	P2RX7	cg10901569	rs2686369	T	C	-0.644	0.044	0.078	1.48E-49	0.021	0.031	0.510	0.056	218.898	TRUE	2.08E-47
Non-allergic asthma	P2RX7	cg10901569	rs75326667	T	C	-0.476	0.071	0.026	2.26E-11	-0.038	0.032	0.230	0.012	44.708	TRUE	9.35E-11
Non-allergic asthma	P2RX7	cg12121075	rs11065394	G	A	0.259	0.029	0.206	2.76E-19	0.005	0.018	0.780	0.021	80.559	TRUE	9.40E-19
Non-allergic asthma	P2RX7	cg12121075	rs11065420	C	T	-0.264	0.033	0.142	2.00E-15	-0.001	0.030	0.986	0.017	63.030	TRUE	4.00E-15
Non-allergic asthma	P2RX7	cg12121075	rs117281184	A	G	-0.898	0.161	0.011	2.46E-08	-0.046	0.042	0.273	0.008	31.077	TRUE	6.96E-08
Non-allergic asthma	P2RX7	cg12121075	rs142778000	A	G	-0.747	0.076	0.018	1.28E-22	-0.033	0.067	0.623	0.025	95.729	TRUE	7.29E-22
Non-allergic asthma	P2RX7	cg12121075	rs148662934	C	T	-0.211	0.035	0.109	2.29E-09	0.040	0.025	0.107	0.010	35.693	TRUE	1.04E-08
Non-allergic asthma	P2RX7	cg12121075	rs1653595	G	A	0.199	0.027	0.239	2.86E-13	0.013	0.020	0.508	0.014	53.271	TRUE	8.93E-13
Non-allergic asthma	P2RX7	cg12121075	rs1653604	C	T	-0.578	0.022	0.473	3.65E-148	0.002	0.016	0.891	0.154	671.648	TRUE	9.22E-138
Non-allergic asthma	P2RX7	cg12121075	rs1718125	T	C	-0.477	0.035	0.123	1.55E-41	-0.035	0.022	0.114	0.047	182.167	TRUE	3.47E-39
Non-allergic asthma	P2RX7	cg12121075	rs2673623	G	A	0.158	0.024	0.397	5.60E-11	-0.005	0.016	0.739	0.011	42.932	TRUE	1.12E-10
Non-allergic asthma	P2RX7	cg12121075	rs3751144	T	C	-0.983	0.042	0.081	2.88E-123	-0.046	0.024	0.054	0.131	557.240	TRUE	1.63E-113
Non-allergic asthma	P2RX7	cg12121075	rs3794205	A	G	0.301	0.025	0.307	2.34E-32	0.018	0.018	0.312	0.037	140.178	TRUE	6.96E-31

Non-allergic asthma	P2RX7	cg12121075	rs55728984	T	C	-0.266	0.042	0.087	1.74E-10	-0.019	0.020	0.354	0.011	40.722	TRUE	5.32E-10
Non-allergic asthma	P2RX7	cg12121075	rs76003406	T	C	0.314	0.051	0.057	5.62E-10	0.047	0.069	0.495	0.010	38.428	TRUE	1.37E-09
Non-allergic asthma	P2RX7	cg22867729	rs11065472	A	G	0.163	0.026	0.293	2.23E-10	0.021	0.018	0.238	0.011	40.229	TRUE	8.23E-10
Non-allergic asthma	P2RX7	cg26656658	rs11065394	G	A	0.270	0.029	0.206	5.87E-21	0.005	0.018	0.780	0.023	88.167	TRUE	2.27E-20
Non-allergic asthma	P2RX7	cg26656658	rs11065420	C	T	-0.292	0.033	0.142	1.57E-18	-0.001	0.030	0.986	0.020	77.126	TRUE	3.83E-18
Non-allergic asthma	P2RX7	cg26656658	rs1140886	C	T	0.160	0.026	0.263	1.16E-09	0.004	0.019	0.828	0.010	37.014	TRUE	1.95E-09
Non-allergic asthma	P2RX7	cg26656658	rs12301635	G	C	-0.234	0.042	0.085	3.40E-08	0.028	0.033	0.398	0.008	30.449	TRUE	8.03E-08
Non-allergic asthma	P2RX7	cg26656658	rs142778000	A	G	-0.759	0.076	0.018	3.06E-23	-0.033	0.067	0.623	0.026	98.566	TRUE	1.84E-22
Non-allergic asthma	P2RX7	cg26656658	rs1653609	C	A	-0.620	0.022	0.474	5.16E-175	0.003	0.016	0.870	0.177	795.061	TRUE	3.99E-161
Non-allergic asthma	P2RX7	cg26656658	rs1718125	T	C	-0.546	0.035	0.123	2.81E-54	-0.035	0.022	0.114	0.061	240.539	TRUE	4.09E-51
Non-allergic asthma	P2RX7	cg26656658	rs208302	A	G	-0.238	0.027	0.235	2.29E-18	0.047	0.018	0.010	0.020	76.384	TRUE	8.01E-17
Non-allergic asthma	P2RX7	cg26656658	rs2686346	T	C	0.274	0.032	0.455	4.96E-18	-0.014	0.016	0.397	0.020	74.856	TRUE	2.78E-17
Non-allergic asthma	P2RX7	cg26656658	rs28360453	T	C	0.306	0.050	0.060	1.33E-09	-0.002	0.030	0.940	0.010	36.755	TRUE	2.00E-09
Non-allergic asthma	P2RX7	cg26656658	rs3751144	T	C	-0.923	0.042	0.081	8.10E-108	-0.046	0.024	0.054	0.116	486.267	TRUE	9.82E-100
Non-allergic asthma	P2RX7	cg26656658	rs3794205	A	G	0.346	0.025	0.307	1.07E-42	0.018	0.018	0.312	0.048	187.490	TRUE	1.11E-40
Non-allergic asthma	P2RX7	cg26656658	rs55728984	T	C	-0.240	0.042	0.087	7.76E-09	-0.019	0.020	0.354	0.009	33.317	TRUE	2.05E-08
Non-allergic asthma	P2RX7	cg26656658	rs76003406	T	C	0.407	0.050	0.057	7.42E-16	0.047	0.069	0.495	0.017	64.984	TRUE	2.91E-15
Non-allergic asthma	P2RX7	cg26656658	rs7957752	G	A	-0.151	0.025	0.338	1.48E-09	0.017	0.017	0.300	0.010	36.538	TRUE	4.53E-09
Non-allergic asthma	PARK7	cg00042356	rs10864351	C	A	-0.141	0.023	0.494	8.96E-10	0.007	0.016	0.646	0.010	37.519	TRUE	1.82E-09
Non-allergic asthma	PARK7	cg00042356	rs111464548	A	G	0.803	0.092	0.039	2.39E-18	-0.069	0.033	0.040	0.020	76.293	TRUE	4.86E-17
Non-allergic asthma	PARK7	cg00042356	rs4908721	T	G	-0.196	0.023	0.428	3.02E-17	-0.007	0.016	0.677	0.019	71.292	TRUE	1.02E-16
Non-allergic asthma	PARK7	cg00042356	rs6684694	G	T	-0.142	0.023	0.438	9.10E-10	0.019	0.018	0.303	0.010	37.488	TRUE	2.83E-09
Non-allergic asthma	PARK7	cg00042356	rs707474	A	G	0.151	0.025	0.341	6.82E-10	0.004	0.017	0.800	0.010	38.050	TRUE	1.20E-09
Non-allergic asthma	PARK7	cg00042356	rs7517357	T	C	0.631	0.030	0.167	9.75E-97	-0.015	0.018	0.383	0.105	435.380	TRUE	6.96E-91
Non-allergic asthma	PARK7	cg00042356	rs7524364	A	G	0.244	0.029	0.201	4.21E-17	0.011	0.020	0.584	0.019	70.637	TRUE	1.60E-16
Non-allergic asthma	PARK7	cg00042356	rs76169514	C	G	-0.344	0.061	0.031	1.33E-08	0.055	0.045	0.220	0.009	32.276	TRUE	4.22E-08
Non-allergic asthma	PARK7	cg10385390	rs2066980	G	A	0.151	0.024	0.358	6.04E-10	-0.013	0.017	0.461	0.010	38.287	TRUE	1.53E-09
Non-allergic asthma	PARK7	cg10385390	rs34157438	T	C	-0.364	0.032	0.168	1.01E-30	-0.015	0.018	0.383	0.035	132.718	TRUE	2.06E-29
Non-allergic asthma	PARK7	cg10385390	rs585672	C	T	0.241	0.025	0.330	6.91E-22	-0.025	0.018	0.153	0.024	92.398	TRUE	1.09E-20
Non-allergic asthma	PARK7	cg12809925	rs10746477	T	C	-0.199	0.026	0.291	6.43E-15	0.006	0.024	0.806	0.016	60.732	TRUE	1.55E-14
Non-allergic asthma	PARK7	cg12809925	rs113983996	A	G	-0.390	0.061	0.046	1.42E-10	-0.072	0.037	0.055	0.011	41.112	TRUE	9.43E-10
Non-allergic asthma	PARK7	cg12809925	rs12087103	A	G	-0.477	0.023	0.416	4.53E-93	-0.018	0.016	0.271	0.102	418.541	TRUE	2.64E-87
Non-allergic asthma	PARK7	cg12809925	rs12128296	A	G	0.155	0.025	0.332	4.50E-10	-0.025	0.017	0.156	0.010	38.860	TRUE	1.93E-09
Non-allergic asthma	PARK7	cg12809925	rs35554366	C	T	0.308	0.030	0.188	9.03E-25	-0.013	0.018	0.453	0.028	105.541	TRUE	8.55E-24
Non-allergic asthma	PARK7	cg12809925	rs4908677	T	C	0.135	0.023	0.458	8.71E-09	-0.001	0.016	0.939	0.009	33.091	TRUE	1.26E-08
Non-allergic asthma	PARK7	cg12809925	rs57892796	T	C	-0.228	0.028	0.232	5.05E-16	-0.004	0.020	0.839	0.017	65.740	TRUE	1.26E-15
Non-allergic asthma	PARK7	cg12809925	rs697679	G	C	-0.177	0.029	0.228	6.13E-10	0.007	0.021	0.726	0.010	38.258	TRUE	1.16E-09
Non-allergic asthma	PARK7	cg12809925	rs707476	T	C	-0.214	0.025	0.328	5.41E-18	-0.013	0.017	0.461	0.020	74.684	TRUE	2.70E-17
Non-allergic asthma	PARK7	cg12809925	rs79828101	A	G	-0.388	0.067	0.032	7.76E-09	-0.022	0.047	0.641	0.009	33.315	TRUE	1.48E-08
Non-allergic asthma	PARK7	cg15591616	rs12741894	G	C	-0.239	0.032	0.401	1.28E-13	-1.641	2.777	0.554	0.015	54.850	TRUE	3.85E-13
Non-allergic asthma	PARK7	cg15591616	rs4908488	C	T	0.412	0.041	0.173	9.36E-24	0.045	0.027	0.089	0.027	100.912	TRUE	2.51E-22
Non-allergic asthma	PARK7	cg15591616	rs61774166	G	T	0.357	0.058	0.081	6.11E-10	0.009	0.023	0.688	0.010	38.265	TRUE	1.20E-09

Non-allergic asthma	PARK7	cg16136678	rs379920	G	C	0.129	0.024	0.413	3.74E-08	0.031	0.016	0.061	0.008	30.262	TRUE	1.75E-07
Non-allergic asthma	PARK7	cg24342270	rs11121017	T	C	0.144	0.023	0.470	4.64E-10	0.020	0.016	0.200	0.010	38.802	TRUE	1.79E-09
Non-allergic asthma	PARK7	cg24342270	rs12734704	G	A	-0.446	0.062	0.101	4.22E-13	0.012	0.033	0.725	0.014	52.510	TRUE	9.88E-13
Non-allergic asthma	PARK7	cg24342270	rs141355527	C	T	0.211	0.027	0.232	1.24E-14	0.008	0.018	0.658	0.016	59.446	TRUE	3.51E-14
Non-allergic asthma	PARK7	cg24342270	rs226249	T	C	-0.576	0.020	0.414	3.00E-179	0.033	0.016	0.045	0.180	814.532	TRUE	3.94E-162
Non-allergic asthma	PARK7	cg24342270	rs34639761	T	G	-0.137	0.023	0.420	4.34E-09	-0.007	0.016	0.655	0.009	34.446	TRUE	8.33E-09
Non-allergic asthma	PARK7	cg24342270	rs55702221	A	G	0.206	0.037	0.223	3.26E-08	-0.025	0.025	0.301	0.008	30.528	TRUE	8.76E-08
Non-allergic asthma	PARK7	cg24342270	rs61774166	G	T	-0.386	0.056	0.081	5.98E-12	0.009	0.023	0.688	0.013	47.311	TRUE	1.35E-11
Non-allergic asthma	PARK7	cg24342270	rs6684255	C	T	-0.308	0.037	0.099	6.82E-17	0.092	0.030	0.002	0.018	69.685	TRUE	3.18E-15
Non-allergic asthma	PARK7	cg24342270	rs6703670	A	G	-0.494	0.081	0.054	1.04E-09	0.065	0.035	0.058	0.010	37.223	TRUE	6.07E-09
Non-allergic asthma	PARK7	cg24342270	rs79134628	A	T	-0.564	0.084	0.053	1.51E-11	0.049	0.036	0.171	0.012	45.501	TRUE	7.27E-11
Non-allergic asthma	PARK7	cg24342270	rs9657998	G	A	-0.422	0.070	0.029	1.73E-09	0.064	0.059	0.275	0.010	36.233	TRUE	5.48E-09
Non-allergic asthma	PARK7	cg25007680	rs225123	G	A	-0.366	0.023	0.409	5.23E-58	0.042	0.016	0.010	0.065	257.642	TRUE	8.96E-54
Non-allergic asthma	PARK7	cg25007680	rs61774166	G	T	-0.310	0.056	0.081	3.73E-08	0.009	0.023	0.688	0.008	30.269	TRUE	6.51E-08
Non-allergic asthma	PDK2	cg01717201	rs847693	A	G	0.186	0.025	0.315	1.67E-13	-0.043	0.017	0.012	0.014	54.327	TRUE	2.70E-12
Non-allergic asthma	PDK2	cg02400595	rs111564639	A	C	-0.545	0.077	0.024	1.84E-12	0.014	0.038	0.711	0.013	49.622	TRUE	4.18E-12
Non-allergic asthma	PDK2	cg02400595	rs7218591	A	G	0.165	0.025	0.318	4.75E-11	0.004	0.016	0.792	0.012	43.252	TRUE	9.02E-11
Non-allergic asthma	PDK2	cg02400595	rs9839	T	C	-0.252	0.026	0.300	5.27E-23	0.016	0.017	0.343	0.026	97.490	TRUE	5.33E-22
Non-allergic asthma	PDK2	cg12582138	rs74998495	G	A	-0.545	0.062	0.034	1.42E-18	0.019	0.037	0.618	0.020	77.324	TRUE	5.79E-18
Non-allergic asthma	PDK2	cg15067870	rs847695	T	C	-0.227	0.024	0.351	7.61E-21	-0.037	0.016	0.025	0.023	87.654	TRUE	2.62E-19
Non-allergic asthma	PDK2	cg16035921	rs2301628	A	G	0.238	0.032	0.367	2.13E-13	-0.016	0.016	0.330	0.014	53.855	TRUE	8.84E-13
Non-allergic asthma	PDK2	cg16035921	rs2696293	C	G	-0.275	0.028	0.228	6.51E-23	0.033	0.019	0.085	0.026	97.072	TRUE	1.61E-21
Non-allergic asthma	PDK2	cg16035921	rs60269840	A	G	-0.917	0.031	0.156	2.70E-194	0.044	0.023	0.051	0.193	883.698	TRUE	5.35E-175
Non-allergic asthma	PDK2	cg16035921	rs7217683	C	T	0.269	0.024	0.410	1.88E-29	-0.005	0.016	0.759	0.033	126.908	TRUE	1.56E-28
Non-allergic asthma	PDK2	cg16035921	rs847695	T	C	0.239	0.025	0.351	2.81E-22	-0.037	0.016	0.025	0.025	94.181	TRUE	1.17E-20
Non-allergic asthma	PDK2	cg18664900	rs16948744	A	G	0.207	0.024	0.340	2.05E-17	0.031	0.017	0.062	0.019	72.056	TRUE	3.06E-16
Non-allergic asthma	PDK2	cg18664900	rs199147	G	C	-0.192	0.029	0.204	3.39E-11	0.001	0.018	0.938	0.012	43.911	TRUE	5.59E-11
Non-allergic asthma	PDK2	cg18664900	rs56409353	G	C	0.771	0.031	0.154	8.64E-133	0.044	0.023	0.052	0.140	600.997	TRUE	6.53E-122
Non-allergic asthma	PDK2	cg18664900	rs9896401	C	T	-0.197	0.026	0.304	1.47E-14	0.035	0.019	0.061	0.016	59.105	TRUE	1.55E-13
Non-allergic asthma	PDK2	cg23913876	rs3785920	G	A	-0.185	0.026	0.298	4.04E-13	0.016	0.017	0.345	0.014	52.597	TRUE	1.59E-12
Non-allergic asthma	PDK2	cg23913876	rs7218591	A	G	0.146	0.025	0.318	4.95E-09	0.004	0.016	0.792	0.009	34.189	TRUE	8.30E-09
Non-allergic asthma	PDLIM1	cg02338345	rs11599546	A	G	0.298	0.023	0.490	1.00E-37	-0.021	0.016	0.176	0.043	164.731	TRUE	9.43E-36
Non-allergic asthma	PDLIM1	cg02338345	rs1556054	A	G	0.380	0.044	0.080	3.28E-18	-0.019	0.027	0.465	0.020	75.670	TRUE	1.66E-17
Non-allergic asthma	PDLIM1	cg02338345	rs201889159	T	A	0.172	0.027	0.247	1.62E-10	0.018	0.017	0.302	0.011	40.855	TRUE	5.41E-10
Non-allergic asthma	PDLIM1	cg02338345	rs34409900	G	A	-0.261	0.037	0.106	1.52E-12	0.018	0.024	0.451	0.013	49.998	TRUE	4.83E-12
Non-allergic asthma	PDLIM1	cg02338345	rs7916334	G	C	0.181	0.024	0.369	7.32E-14	-0.003	0.017	0.880	0.015	55.950	TRUE	1.50E-13
Non-allergic asthma	PDLIM1	cg06542614	rs12219240	G	C	0.474	0.033	0.146	1.17E-45	-0.063	0.023	0.006	0.052	201.039	TRUE	3.35E-42
Non-allergic asthma	PDLIM1	cg08925046	rs10882572	C	A	-0.281	0.024	0.411	1.02E-31	0.018	0.016	0.276	0.036	137.257	TRUE	3.16E-30
Non-allergic asthma	PDLIM1	cg08925046	rs117363163	T	C	0.950	0.157	0.014	1.58E-09	0.053	0.112	0.635	0.010	36.412	TRUE	3.19E-09
Non-allergic asthma	PDLIM1	cg08925046	rs2477534	C	G	0.205	0.024	0.349	2.50E-17	0.011	0.016	0.485	0.019	71.669	TRUE	1.13E-16
Non-allergic asthma	PDLIM1	cg08925046	rs45535939	C	T	1.070	0.035	0.107	9.03E-211	0.019	0.024	0.445	0.206	959.450	TRUE	1.09E-190
Non-allergic asthma	PDLIM1	cg08925046	rs76672094	A	G	0.224	0.040	0.087	1.71E-08	-0.038	0.026	0.148	0.009	31.780	TRUE	6.25E-08

Non-allergic asthma	PDLIM1	cg08925046	rs78496913	C	T	0.543	0.071	0.025	1.59E-14	0.045	0.076	0.549	0.016	58.957	TRUE	5.16E-14
Non-allergic asthma	PDLIM1	cg08925046	rs7917992	G	A	-0.191	0.027	0.259	6.73E-13	0.015	0.017	0.377	0.014	51.593	TRUE	2.47E-12
Non-allergic asthma	PDLIM1	cg10266121	rs7101278	A	G	0.293	0.026	0.290	2.64E-30	-0.059	0.017	4.34E-04	0.034	130.800	TRUE	1.83E-27
Non-allergic asthma	PDLIM1	cg18389639	rs11599546	A	G	0.181	0.023	0.490	1.14E-14	-0.021	0.016	0.176	0.016	59.606	TRUE	7.55E-14
Non-allergic asthma	PDLIM1	cg18389639	rs12219240	G	C	0.551	0.033	0.146	1.99E-61	-0.063	0.023	0.006	0.069	273.324	TRUE	9.03E-57
Non-allergic asthma	PDLIM1	cg18389639	rs1556054	A	G	0.399	0.044	0.080	9.53E-20	-0.019	0.027	0.465	0.022	82.660	TRUE	5.51E-19
Non-allergic asthma	PDLIM1	cg18389639	rs45546031	T	C	-0.264	0.040	0.210	4.70E-11	0.081	0.022	1.88E-04	0.012	43.275	TRUE	1.34E-09
Non-allergic asthma	PDLIM1	cg18389639	rs61886764	C	T	-0.299	0.053	0.051	1.70E-08	-0.022	0.042	0.603	0.009	31.789	TRUE	3.30E-08
Non-allergic asthma	PDLIM1	cg18389639	rs7907756	T	C	0.315	0.052	0.054	2.07E-09	-0.052	0.041	0.204	0.010	35.888	TRUE	7.39E-09
Non-allergic asthma	PDLIM1	cg19190632	rs6583987	A	C	-0.223	0.026	0.292	4.56E-18	-0.059	0.017	4.57E-04	0.020	75.023	TRUE	3.88E-16
Non-allergic asthma	PDLIM1	cg20714347	rs12415795	T	C	-0.250	0.024	0.411	1.11E-25	0.017	0.016	0.287	0.029	109.692	TRUE	1.71E-24
Non-allergic asthma	PDLIM1	cg20714347	rs12782626	G	A	-0.192	0.035	0.134	4.18E-08	0.032	0.023	0.162	0.008	30.049	TRUE	1.41E-07
Non-allergic asthma	PDLIM1	cg20714347	rs7899746	T	C	0.141	0.023	0.409	2.16E-09	-0.013	0.016	0.424	0.010	35.801	TRUE	5.48E-09
Non-allergic asthma	PDLIM1	cg25968326	rs6583989	T	C	0.304	0.034	0.148	1.50E-19	-0.067	0.023	0.004	0.022	81.768	TRUE	8.64E-18
Non-allergic asthma	PEBP1	cg00091483	rs7301950	A	G	0.212	0.036	0.118	5.50E-09	0.060	0.026	0.021	0.009	33.985	TRUE	3.87E-08
Non-allergic asthma	PEBP1	cg16572268	rs673078	C	A	0.166	0.028	0.216	3.84E-09	0.021	0.019	0.270	0.009	34.683	TRUE	1.19E-08
Non-allergic asthma	PEBP1	cg16572268	rs7971091	A	G	0.145	0.025	0.319	4.78E-09	0.007	0.016	0.663	0.009	34.257	TRUE	9.07E-09
Non-allergic asthma	PEBP1	cg16572268	rs904661	A	G	0.346	0.024	0.385	3.01E-48	-0.032	0.016	0.043	0.054	212.909	TRUE	3.79E-45
Non-allergic asthma	PF4	cg01447579	rs11574450	C	A	0.559	0.057	0.040	9.77E-23	0.008	0.043	0.858	0.025	96.269	TRUE	3.87E-22
Non-allergic asthma	PF4	cg01447579	rs143536895	A	G	-0.975	0.087	0.017	5.82E-29	0.110	0.065	0.092	0.033	124.667	TRUE	2.90E-27
Non-allergic asthma	PF4	cg01447579	rs184480320	A	T	-0.974	0.143	0.014	9.43E-12	0.122	0.100	0.221	0.012	46.419	TRUE	4.13E-11
Non-allergic asthma	PF4	cg01447579	rs2233650	T	C	-1.351	0.044	0.066	3.70E-211	0.326	0.159	0.041	0.206	961.230	TRUE	5.06E-189
Non-allergic asthma	PF4	cg01447579	rs2886969	C	T	0.184	0.028	0.217	4.37E-11	0.020	0.018	0.282	0.012	43.416	TRUE	1.59E-10
Non-allergic asthma	PF4	cg01447579	rs352052	C	A	-0.179	0.032	0.493	1.48E-08	0.025	0.016	0.119	0.009	32.058	TRUE	5.89E-08
Non-allergic asthma	PF4	cg01447579	rs4694639	C	T	-0.190	0.024	0.435	2.12E-15	0.001	0.016	0.957	0.017	62.918	TRUE	4.38E-15
Non-allergic asthma	PF4	cg01447579	rs79187101	A	G	-0.423	0.075	0.046	1.43E-08	0.054	0.044	0.224	0.009	32.135	TRUE	4.49E-08
Non-allergic asthma	PF4	cg02530824	rs10518118	A	C	-0.187	0.032	0.151	3.63E-09	0.013	0.019	0.490	0.009	34.792	TRUE	8.35E-09
Non-allergic asthma	PF4	cg02530824	rs11574450	C	A	1.308	0.055	0.040	1.41E-124	0.008	0.043	0.858	0.132	563.254	TRUE	8.78E-117
Non-allergic asthma	PF4	cg02530824	rs149525780	A	G	0.883	0.119	0.017	1.31E-13	0.091	0.061	0.140	0.015	54.811	TRUE	8.62E-13
Non-allergic asthma	PF4	cg02530824	rs519014	C	G	0.470	0.063	0.034	5.84E-14	-0.015	0.062	0.803	0.015	56.393	TRUE	1.32E-13
Non-allergic asthma	PF4	cg05509609	rs10518118	A	C	-0.200	0.032	0.151	2.55E-10	0.013	0.019	0.490	0.011	39.973	TRUE	6.42E-10
Non-allergic asthma	PF4	cg05509609	rs1072389	T	C	0.198	0.033	0.362	1.83E-09	0.020	0.016	0.206	0.010	36.122	TRUE	6.57E-09
Non-allergic asthma	PF4	cg05509609	rs11574450	C	A	1.262	0.055	0.040	2.19E-115	0.008	0.043	0.858	0.123	521.033	TRUE	1.56E-108
Non-allergic asthma	PF4	cg05509609	rs12645462	A	G	0.308	0.043	0.076	7.94E-13	-0.009	0.035	0.802	0.014	51.268	TRUE	1.67E-12
Non-allergic asthma	PF4	cg05509609	rs519014	C	G	0.443	0.063	0.034	1.44E-12	-0.015	0.062	0.803	0.013	50.108	TRUE	2.96E-12
Non-allergic asthma	PF4	cg06834998	rs10518118	A	C	-0.205	0.032	0.151	9.57E-11	0.013	0.019	0.490	0.011	41.885	TRUE	2.50E-10
Non-allergic asthma	PF4	cg06834998	rs1072389	T	C	0.185	0.033	0.362	1.85E-08	0.020	0.016	0.206	0.008	31.626	TRUE	5.97E-08
Non-allergic asthma	PF4	cg06834998	rs11574450	C	A	1.289	0.055	0.040	7.41E-121	0.008	0.043	0.858	0.129	546.165	TRUE	1.89E-113
Non-allergic asthma	PF4	cg06834998	rs149525780	A	G	0.863	0.119	0.017	4.64E-13	0.091	0.061	0.140	0.014	52.325	TRUE	2.88E-12
Non-allergic asthma	PF4	cg06834998	rs519014	C	G	0.470	0.063	0.034	5.75E-14	-0.015	0.062	0.803	0.015	56.426	TRUE	1.30E-13
Non-allergic asthma	PF4	cg13126871	rs10518118	A	C	-0.191	0.032	0.151	1.61E-09	0.013	0.019	0.490	0.010	36.372	TRUE	3.82E-09
Non-allergic asthma	PF4	cg13126871	rs1072389	T	C	0.188	0.033	0.362	1.16E-08	0.020	0.016	0.206	0.009	32.527	TRUE	3.83E-08

Non-allergic asthma	PF4	cg13126871	rs11574450	C	A	0.966	0.056	0.040	1.98E-66	0.008	0.043	0.858	0.074	296.264	TRUE	1.22E-63
Non-allergic asthma	PF4	cg13126871	rs149525780	A	G	0.698	0.119	0.017	5.17E-09	0.091	0.061	0.140	0.009	34.105	TRUE	2.04E-08
Non-allergic asthma	PF4	cg13126871	rs519014	C	G	0.418	0.063	0.034	2.33E-11	-0.015	0.062	0.803	0.012	44.644	TRUE	4.46E-11
Non-allergic asthma	PF4	cg15158783	rs10518118	A	C	-0.201	0.032	0.151	1.98E-10	0.013	0.019	0.490	0.011	40.466	TRUE	5.03E-10
Non-allergic asthma	PF4	cg15158783	rs1072389	T	C	0.190	0.033	0.362	7.42E-09	0.020	0.016	0.206	0.009	33.403	TRUE	2.49E-08
Non-allergic asthma	PF4	cg15158783	rs11574450	C	A	1.204	0.055	0.040	2.41E-104	0.008	0.043	0.858	0.113	470.317	TRUE	1.50E-98
Non-allergic asthma	PF4	cg15158783	rs149525780	A	G	0.844	0.119	0.017	1.54E-12	0.091	0.061	0.140	0.013	49.969	TRUE	9.03E-12
Non-allergic asthma	PF4	cg15158783	rs519014	C	G	0.431	0.063	0.034	5.76E-12	-0.015	0.062	0.803	0.013	47.385	TRUE	1.14E-11
Non-allergic asthma	PF4	cg15398841	rs10518118	A	C	-0.194	0.032	0.151	8.03E-10	0.013	0.019	0.490	0.010	37.733	TRUE	1.94E-09
Non-allergic asthma	PF4	cg15398841	rs1072389	T	C	0.181	0.033	0.362	3.92E-08	0.020	0.016	0.206	0.008	30.172	TRUE	1.22E-07
Non-allergic asthma	PF4	cg15398841	rs11574450	C	A	1.219	0.055	0.040	2.94E-107	0.008	0.043	0.858	0.116	483.695	TRUE	3.42E-101
Non-allergic asthma	PF4	cg15398841	rs149525780	A	G	0.840	0.119	0.017	1.91E-12	0.091	0.061	0.140	0.013	49.551	TRUE	1.11E-11
Non-allergic asthma	PF4	cg15398841	rs519014	C	G	0.454	0.063	0.034	3.87E-13	-0.015	0.062	0.803	0.014	52.682	TRUE	8.29E-13
Non-allergic asthma	PF4	cg16072462	rs10518118	A	C	-0.201	0.032	0.151	2.04E-10	0.013	0.019	0.490	0.011	40.407	TRUE	5.18E-10
Non-allergic asthma	PF4	cg16072462	rs1072389	T	C	0.185	0.033	0.362	2.02E-08	0.020	0.016	0.206	0.008	31.457	TRUE	6.48E-08
Non-allergic asthma	PF4	cg16072462	rs11574450	C	A	1.218	0.055	0.040	6.13E-107	0.008	0.043	0.858	0.115	482.230	TRUE	6.65E-101
Non-allergic asthma	PF4	cg16072462	rs149525780	A	G	0.806	0.119	0.017	1.45E-11	0.091	0.061	0.140	0.012	45.573	TRUE	7.64E-11
Non-allergic asthma	PF4	cg16072462	rs519014	C	G	0.455	0.063	0.034	3.36E-13	-0.015	0.062	0.803	0.014	52.954	TRUE	7.24E-13
Non-allergic asthma	PF4	cg21043213	rs10518118	A	C	-0.185	0.032	0.151	5.11E-09	0.013	0.019	0.490	0.009	34.127	TRUE	1.16E-08
Non-allergic asthma	PF4	cg21043213	rs11574450	C	A	1.201	0.056	0.040	7.31E-104	0.008	0.043	0.858	0.112	468.100	TRUE	4.11E-98
Non-allergic asthma	PF4	cg21043213	rs12645462	A	G	0.290	0.043	0.076	1.47E-11	-0.009	0.035	0.802	0.012	45.554	TRUE	2.84E-11
Non-allergic asthma	PF4	cg21043213	rs519014	C	G	0.432	0.063	0.034	5.00E-12	-0.015	0.062	0.803	0.013	47.661	TRUE	9.97E-12
Non-allergic asthma	PIH1D1	cg19216817	rs4801800	A	G	-0.234	0.028	0.234	1.56E-17	0.026	0.018	0.142	0.019	72.591	TRUE	1.58E-16
Non-allergic asthma	PIH1D1	cg22269913	rs1320303	C	G	0.158	0.026	0.276	1.23E-09	0.030	0.017	0.069	0.010	36.901	TRUE	6.70E-09
Non-allergic asthma	PIH1D1	cg22269913	rs3760670	T	C	-0.334	0.024	0.399	3.90E-45	-0.009	0.016	0.589	0.051	198.648	TRUE	2.54E-43
Non-allergic asthma	PIH1D1	cg26964117	rs11083974	G	A	0.261	0.028	0.234	2.33E-21	0.035	0.017	0.041	0.024	89.998	TRUE	6.86E-20
Non-allergic asthma	PIK3C3	cg00521887	rs7238178	G	A	-0.503	0.035	0.124	7.68E-48	0.046	0.021	0.024	0.054	211.042	TRUE	1.34E-44
Non-allergic asthma	PIK3C3	cg00521887	rs9959011	A	C	-0.176	0.031	0.170	1.04E-08	-0.001	0.020	0.964	0.009	32.739	TRUE	1.47E-08
Non-allergic asthma	PIK3C3	cg12548782	rs7233661	T	C	0.386	0.034	0.126	2.79E-29	0.047	0.021	0.024	0.033	126.124	TRUE	3.12E-27
Non-allergic asthma	PIK3C3	cg24325362	rs11082271	T	G	0.208	0.024	0.384	3.17E-18	-0.011	0.016	0.473	0.020	75.739	TRUE	1.58E-17
Non-allergic asthma	PIK3C3	cg24325362	rs113061595	T	C	0.513	0.075	0.025	8.30E-12	-0.019	0.038	0.617	0.012	46.669	TRUE	2.01E-11
Non-allergic asthma	PIK3C3	cg24325362	rs12607751	G	T	1.173	0.098	0.015	1.00E-32	0.073	0.040	0.065	0.037	141.864	TRUE	1.01E-30
Non-allergic asthma	PIK3C3	cg24325362	rs1381344	G	A	0.263	0.026	0.278	1.19E-24	0.004	0.016	0.821	0.028	105.000	TRUE	5.82E-24
Non-allergic asthma	PIK3C3	cg24325362	rs143180225	A	G	0.884	0.136	0.013	7.68E-11	0.010	0.035	0.781	0.011	42.315	TRUE	1.46E-10
Non-allergic asthma	PIK3C3	cg24325362	rs28778702	A	G	-0.192	0.034	0.148	1.20E-08	-0.031	0.024	0.195	0.009	32.470	TRUE	4.02E-08
Non-allergic asthma	PIK3C3	cg24325362	rs533429	G	T	-0.266	0.023	0.481	1.93E-30	0.008	0.017	0.637	0.034	131.427	TRUE	2.20E-29
Non-allergic asthma	PIK3C3	cg24325362	rs682565	C	T	0.267	0.023	0.500	3.50E-30	0.027	0.016	0.085	0.034	130.245	TRUE	2.14E-28
Non-allergic asthma	PIK3C3	cg24325362	rs7232069	G	A	0.197	0.029	0.217	5.77E-12	-0.005	0.017	0.774	0.013	47.381	TRUE	1.18E-11
Non-allergic asthma	PIK3C3	cg24325362	rs9807506	C	T	1.300	0.031	0.110	<1E-200	0.028	0.023	0.219	0.322	1759.980	TRUE	<1E-200
Non-allergic asthma	PIK3C3	cg24362401	rs7229316	C	T	-0.198	0.036	0.115	3.41E-08	0.029	0.023	0.204	0.008	30.443	TRUE	1.07E-07
Non-allergic asthma	PIK3C3	cg25671118	rs66473378	T	A	-0.250	0.027	0.247	1.37E-20	-0.011	0.019	0.584	0.023	86.499	TRUE	6.95E-20
Non-allergic asthma	PIK3CD	cg03653801	rs4333853	G	A	-0.152	0.023	0.473	7.97E-11	0.016	0.016	0.295	0.011	42.242	TRUE	2.77E-10

Non-allergic asthma	PIK3CD	cg03653801	rs74338407	T	C	-0.549	0.093	0.036	3.84E-09	0.018	0.039	0.649	0.009	34.685	TRUE	7.44E-09
Non-allergic asthma	PIK3CD	cg04162034	rs11586485	A	G	-0.302	0.050	0.107	1.30E-09	0.025	0.024	0.296	0.010	36.799	TRUE	4.01E-09
Non-allergic asthma	PIK3CD	cg04162034	rs2119508	A	G	-0.357	0.053	0.097	1.35E-11	-0.020	0.035	0.563	0.012	45.713	TRUE	3.44E-11
Non-allergic asthma	PIK3CD	cg04162034	rs74925829	T	C	-1.771	0.085	0.017	2.29E-95	-0.008	0.096	0.932	0.104	429.082	TRUE	1.80E-90
Non-allergic asthma	PIK3CD	cg04162034	rs9430196	A	G	-0.281	0.034	0.141	4.67E-17	0.029	0.021	0.171	0.019	70.433	TRUE	4.06E-16
Non-allergic asthma	PIK3CD	cg04608004	rs1135427	G	T	-0.193	0.024	0.438	7.17E-16	0.007	0.016	0.672	0.017	65.050	TRUE	2.19E-15
Non-allergic asthma	PIK3CD	cg07805542	rs11121516	T	C	0.242	0.036	0.121	1.41E-11	-0.013	0.022	0.547	0.012	45.629	TRUE	3.66E-11
Non-allergic asthma	PIK3CD	cg07805542	rs1135427	G	T	0.216	0.024	0.438	2.52E-19	0.007	0.016	0.672	0.021	80.736	TRUE	1.01E-18
Non-allergic asthma	PIK3CD	cg07805542	rs12564733	T	A	1.148	0.044	0.064	9.57E-148	0.022	0.030	0.463	0.153	669.725	TRUE	1.31E-136
Non-allergic asthma	PIK3CD	cg07805542	rs145362080	C	A	0.666	0.108	0.012	6.53E-10	-0.070	0.073	0.334	0.010	38.136	TRUE	1.96E-09
Non-allergic asthma	PIK3CD	cg07805542	rs147961171	C	G	0.804	0.110	0.011	2.36E-13	0.008	0.130	0.949	0.014	53.654	TRUE	4.34E-13
Non-allergic asthma	PIK3CD	cg07805542	rs56153814	C	T	0.465	0.043	0.089	5.95E-27	-0.036	0.024	0.127	0.030	115.491	TRUE	1.89E-25
Non-allergic asthma	PIK3CD	cg07805542	rs72869650	A	G	0.166	0.030	0.186	4.09E-08	-0.002	0.018	0.927	0.008	30.089	TRUE	5.78E-08
Non-allergic asthma	PIK3CD	cg11947782	rs10746492	C	T	-0.147	0.025	0.358	3.41E-09	0.011	0.017	0.495	0.009	34.916	TRUE	7.81E-09
Non-allergic asthma	PIK3CD	cg11947782	rs140188093	A	G	-0.351	0.063	0.040	3.02E-08	-0.009	0.044	0.831	0.008	30.681	TRUE	4.66E-08
Non-allergic asthma	PIK3CD	cg11947782	rs7518602	C	T	-0.135	0.024	0.392	2.08E-08	-0.011	0.016	0.490	0.008	31.405	TRUE	4.50E-08
Non-allergic asthma	PIK3CD	cg11980800	rs6540985	G	A	0.185	0.025	0.315	2.12E-13	-0.009	0.016	0.561	0.014	53.862	TRUE	6.22E-13
Non-allergic asthma	PIK3CD	cg13457410	rs10864439	G	T	0.230	0.037	0.254	2.91E-10	-0.013	0.017	0.462	0.011	39.714	TRUE	7.56E-10
Non-allergic asthma	PIK3CD	cg13457410	rs1135427	G	T	0.463	0.024	0.438	1.63E-86	0.007	0.016	0.672	0.095	388.441	TRUE	5.23E-82
Non-allergic asthma	PIK3CD	cg13457410	rs12129123	T	C	-0.363	0.063	0.089	1.05E-08	0.045	0.028	0.113	0.009	32.721	TRUE	4.34E-08
Non-allergic asthma	PIK3CD	cg13457410	rs1619083	T	C	0.510	0.078	0.045	5.58E-11	-0.041	0.043	0.345	0.011	42.938	TRUE	1.81E-10
Non-allergic asthma	PIK3CD	cg13457410	rs4076440	G	A	0.269	0.045	0.074	2.88E-09	-0.031	0.026	0.233	0.009	35.242	TRUE	9.58E-09
Non-allergic asthma	PIK3CD	cg13457410	rs5017476	G	A	0.250	0.031	0.163	4.96E-16	0.014	0.019	0.485	0.017	65.778	TRUE	2.01E-15
Non-allergic asthma	PIK3CD	cg13457410	rs61785179	A	G	0.278	0.038	0.117	1.34E-13	-0.001	0.024	0.979	0.015	54.757	TRUE	2.43E-13
Non-allergic asthma	PIK3CD	cg13457410	rs9430574	A	G	0.263	0.025	0.319	6.00E-26	-0.011	0.016	0.501	0.029	110.914	TRUE	5.77E-25
Non-allergic asthma	PIK3CD	cg15701170	rs1135427	G	T	-0.204	0.024	0.438	1.58E-17	0.007	0.016	0.672	0.019	72.573	TRUE	5.47E-17
Non-allergic asthma	PIK3CD	cg15701170	rs12564733	T	A	-0.279	0.046	0.064	1.62E-09	0.022	0.030	0.463	0.010	36.368	TRUE	3.95E-09
Non-allergic asthma	PIK3CD	cg16895792	rs7518602	C	T	-0.177	0.024	0.392	6.53E-14	-0.011	0.016	0.490	0.015	56.174	TRUE	2.20E-13
Non-allergic asthma	PIK3CD	cg20681184	rs4601595	T	G	-0.216	0.023	0.475	1.84E-20	0.020	0.016	0.212	0.023	85.907	TRUE	2.02E-19
Non-allergic asthma	PIK3CD	cg20994801	rs146783463	A	G	-0.423	0.071	0.023	3.05E-09	-0.025	0.039	0.520	0.009	35.132	TRUE	6.82E-09
Non-allergic asthma	PIK3CD	cg20994801	rs185946657	A	C	-0.508	0.078	0.024	9.70E-11	-0.006	0.054	0.912	0.011	41.859	TRUE	1.60E-10
Non-allergic asthma	PIK3CD	cg20994801	rs57834427	A	G	-0.510	0.030	0.186	1.15E-65	-0.036	0.018	0.046	0.073	292.766	TRUE	2.49E-61
Non-allergic asthma	PIK3CD	cg20994801	rs72869650	A	G	-0.253	0.030	0.186	4.76E-17	-0.002	0.018	0.927	0.019	70.395	TRUE	1.14E-16
Non-allergic asthma	PIK3CD	cg22045271	rs7518602	C	T	-0.146	0.024	0.392	7.17E-10	-0.011	0.016	0.490	0.010	37.955	TRUE	1.74E-09
Non-allergic asthma	PIK3CD	cg23098018	rs76822479	C	A	0.464	0.084	0.022	3.08E-08	-0.005	0.066	0.938	0.008	30.640	TRUE	4.33E-08
Non-allergic asthma	PIK3CD	cg23251761	rs79423094	T	C	0.214	0.037	0.119	5.32E-09	-0.010	0.022	0.649	0.009	34.051	TRUE	1.02E-08
Non-allergic asthma	PIK3CD	cg23799532	rs147760460	T	C	-0.398	0.069	0.034	7.37E-09	-0.005	0.050	0.915	0.009	33.416	TRUE	1.09E-08
Non-allergic asthma	PIK3CD	cg24859236	rs4601595	T	G	-0.130	0.023	0.475	2.94E-08	0.020	0.016	0.212	0.008	30.732	TRUE	9.14E-08
Non-allergic asthma	PIK3CD	cg26573321	rs11121480	T	C	0.441	0.040	0.089	5.67E-28	0.051	0.024	0.034	0.031	120.151	TRUE	4.43E-26
Non-allergic asthma	PIK3CD	cg26573321	rs12041599	G	C	0.594	0.059	0.044	3.90E-24	-0.057	0.028	0.042	0.027	102.646	TRUE	1.63E-22
Non-allergic asthma	PIK3CD	cg26573321	rs12563790	C	G	0.211	0.030	0.193	8.63E-13	-0.010	0.019	0.579	0.014	51.106	TRUE	2.36E-12
Non-allergic asthma	PIK3CD	cg26573321	rs12725898	T	G	-0.132	0.023	0.472	1.73E-08	0.007	0.016	0.664	0.009	31.761	TRUE	3.15E-08

Non-allergic asthma	PIK3CD	cg26573321	rs17412703	T	C	0.242	0.043	0.082	1.64E-08	0.029	0.026	0.249	0.009	31.863	TRUE	4.92E-08
Non-allergic asthma	PIK3CD	cg26573321	rs2582976	A	T	0.177	0.025	0.361	1.13E-12	0.001	0.016	0.945	0.013	50.579	TRUE	2.01E-12
Non-allergic asthma	PIK3CD	cg26573321	rs4240895	T	C	0.745	0.022	0.388	1.42E-243	-0.010	0.016	0.544	0.231	1110.288	TRUE	3.12E-218
Non-allergic asthma	PIK3CD	cg26573321	rs57883760	G	A	0.243	0.023	0.412	3.49E-25	0.003	0.016	0.855	0.028	107.422	TRUE	1.70E-24
Non-allergic asthma	PIK3CD	cg26573321	rs61783043	A	G	0.394	0.040	0.101	4.94E-23	-0.019	0.025	0.450	0.026	97.616	TRUE	3.98E-22
Non-allergic asthma	PIK3R2	cg05645812	rs273495	G	A	0.332	0.051	0.063	1.08E-10	-0.095	0.036	0.008	0.011	41.646	TRUE	1.27E-09
Non-allergic asthma	PIK3R2	cg10188048	rs2241088	A	C	0.527	0.053	0.058	1.84E-23	-0.060	0.025	0.017	0.026	99.577	TRUE	1.06E-21
Non-allergic asthma	PIK3R2	cg10256708	rs2072490	C	T	0.168	0.023	0.466	5.86E-13	0.004	0.016	0.820	0.014	51.866	TRUE	1.22E-12
Non-allergic asthma	PIK3R2	cg11594160	rs111615037	A	G	-0.674	0.073	0.023	3.54E-20	0.012	0.072	0.868	0.022	84.614	TRUE	1.14E-19
Non-allergic asthma	PIK3R2	cg11594160	rs11669406	G	A	-0.344	0.031	0.174	6.05E-29	-0.002	0.021	0.906	0.033	124.588	TRUE	3.73E-28
Non-allergic asthma	PIK3R2	cg11594160	rs11673466	C	A	-0.440	0.037	0.113	6.78E-33	-0.021	0.027	0.435	0.037	142.640	TRUE	1.54E-31
Non-allergic asthma	PIK3R2	cg11594160	rs2045386	A	G	-0.234	0.024	0.420	7.51E-23	-0.026	0.016	0.104	0.025	96.789	TRUE	1.66E-21
Non-allergic asthma	PIK3R2	cg11594160	rs28730848	A	G	-1.800	0.058	0.057	5.16E-209	-0.038	0.041	0.352	0.205	951.374	TRUE	5.92E-189
Non-allergic asthma	PIK3R2	cg11594160	rs34058249	C	T	-1.153	0.086	0.016	7.05E-41	-0.127	0.065	0.049	0.046	179.158	TRUE	2.66E-38
Non-allergic asthma	PIK3R2	cg11594160	rs367139	C	T	-0.306	0.030	0.192	1.06E-24	0.009	0.021	0.669	0.028	105.229	TRUE	6.68E-24
Non-allergic asthma	PIK3R2	cg11594160	rs372889	C	T	0.158	0.023	0.494	1.10E-11	0.013	0.016	0.406	0.012	46.112	TRUE	3.48E-11
Non-allergic asthma	PIK3R2	cg11594160	rs374614	C	T	-0.292	0.031	0.177	1.11E-21	0.009	0.021	0.663	0.024	91.462	TRUE	5.46E-21
Non-allergic asthma	PIK3R2	cg11594160	rs61210412	T	G	-0.391	0.062	0.035	2.55E-10	-0.014	0.060	0.818	0.011	39.969	TRUE	4.51E-10
Non-allergic asthma	PIK3R2	cg11594160	rs7248971	G	A	0.175	0.024	0.401	4.18E-13	-0.003	0.016	0.864	0.014	52.529	TRUE	8.34E-13
Non-allergic asthma	PIK3R2	cg12492496	rs2241088	A	C	0.420	0.053	0.058	1.99E-15	-0.060	0.025	0.017	0.017	63.041	TRUE	3.76E-14
Non-allergic asthma	PIK3R2	cg14957748	rs123203	T	C	0.855	0.059	0.048	9.15E-48	-0.113	0.038	0.003	0.054	210.695	TRUE	5.34E-44
Non-allergic asthma	PIK3R2	cg24883498	rs2241088	A	C	0.292	0.053	0.058	3.93E-08	-0.060	0.025	0.017	0.008	30.167	TRUE	2.54E-07
Non-allergic asthma	PIP4K2A	cg03771739	rs10828316	C	A	0.148	0.025	0.320	1.97E-09	0.049	0.017	0.003	0.010	35.982	TRUE	2.30E-08
Non-allergic asthma	PIP4K2A	cg04813697	rs1171500	C	T	0.147	0.023	0.442	4.31E-10	0.014	0.016	0.405	0.010	38.948	TRUE	1.19E-09
Non-allergic asthma	PIP4K2A	cg04813697	rs1750774	T	A	0.335	0.059	0.043	1.10E-08	-0.033	0.044	0.453	0.009	32.635	TRUE	2.54E-08
Non-allergic asthma	PIP4K2A	cg06690686	rs12253561	C	T	0.233	0.036	0.115	1.39E-10	-0.032	0.024	0.184	0.011	41.155	TRUE	5.87E-10
Non-allergic asthma	PIP4K2A	cg06690686	rs6482231	A	C	0.977	0.083	0.023	2.54E-32	-0.031	0.090	0.729	0.036	140.018	TRUE	2.93E-31
Non-allergic asthma	PIP4K2A	cg06690686	rs7078726	C	T	0.454	0.062	0.033	2.20E-13	-0.117	0.066	0.077	0.014	53.784	TRUE	1.83E-12
Non-allergic asthma	PIP4K2A	cg06690686	rs7093538	T	C	0.643	0.069	0.034	1.31E-20	-0.034	0.046	0.467	0.023	86.577	TRUE	8.18E-20
Non-allergic asthma	PIP4K2A	cg06974428	rs2559528	G	C	0.238	0.042	0.077	1.79E-08	0.054	0.028	0.053	0.008	31.692	TRUE	9.09E-08
Non-allergic asthma	PIP4K2A	cg07701530	rs10828334	A	G	-0.324	0.028	0.212	2.02E-31	0.006	0.018	0.735	0.035	135.898	TRUE	2.12E-30
Non-allergic asthma	PIP4K2A	cg07701530	rs113311567	T	C	-0.552	0.079	0.024	2.18E-12	-0.009	0.044	0.830	0.013	49.287	TRUE	4.32E-12
Non-allergic asthma	PIP4K2A	cg07701530	rs12773197	T	G	-0.567	0.060	0.072	2.99E-21	0.021	0.031	0.499	0.024	89.499	TRUE	1.87E-20
Non-allergic asthma	PIP4K2A	cg07701530	rs2765994	C	T	-0.814	0.021	0.401	<1E-200	0.015	0.017	0.363	0.297	1564.205	TRUE	1.93E-296
Non-allergic asthma	PIP4K2A	cg07701530	rs34262913	T	C	-0.336	0.027	0.235	9.74E-35	-0.002	0.019	0.926	0.039	151.064	TRUE	9.88E-34
Non-allergic asthma	PIP4K2A	cg07701530	rs4328127	C	G	-0.208	0.027	0.256	2.06E-14	0.023	0.020	0.260	0.016	58.444	TRUE	1.08E-13
Non-allergic asthma	PIP4K2A	cg07701530	rs7075433	C	T	-0.373	0.034	0.130	5.56E-28	-0.036	0.025	0.157	0.031	120.190	TRUE	1.73E-26
Non-allergic asthma	PIP4K2A	cg07701530	rs7093957	T	C	-0.268	0.032	0.162	2.76E-17	-0.037	0.021	0.080	0.019	71.470	TRUE	3.59E-16
Non-allergic asthma	PIP4K2A	cg07701530	rs75689693	A	T	0.371	0.061	0.071	1.05E-09	-0.064	0.025	0.011	0.010	37.202	TRUE	9.84E-09
Non-allergic asthma	PIP4K2A	cg07701530	rs76547528	G	A	-0.539	0.053	0.052	4.21E-24	-0.082	0.053	0.123	0.027	102.492	TRUE	9.74E-23
Non-allergic asthma	PIP4K2A	cg07701530	rs78963087	A	G	0.237	0.043	0.246	3.00E-08	-0.054	0.021	0.011	0.008	30.693	TRUE	2.18E-07
Non-allergic asthma	PIP4K2A	cg09062038	rs7081744	A	G	0.184	0.024	0.396	6.82E-15	0.036	0.016	0.027	0.016	60.617	TRUE	1.02E-13

Non-allergic asthma	PIP4K2A	cg09216670	rs10828391	A	G	0.173	0.030	0.197	5.48E-09	-0.024	0.022	0.266	0.009	33.994	TRUE	1.67E-08
Non-allergic asthma	PIP4K2A	cg09216670	rs12778869	G	T	0.338	0.026	0.262	3.02E-38	0.007	0.019	0.703	0.043	167.113	TRUE	6.81E-37
Non-allergic asthma	PIP4K2A	cg09273683	rs16922580	C	T	-0.291	0.035	0.131	1.23E-16	-0.030	0.030	0.315	0.018	68.524	TRUE	7.12E-16
Non-allergic asthma	PIP4K2A	cg14215711	rs1171502	G	A	0.150	0.023	0.458	1.31E-10	0.015	0.016	0.359	0.011	41.272	TRUE	4.03E-10
Non-allergic asthma	PIP4K2A	cg16904399	rs12254366	A	G	-0.410	0.041	0.092	6.45E-24	-0.018	0.031	0.555	0.027	101.647	TRUE	4.63E-23
Non-allergic asthma	PIP4K2A	cg20641026	rs11013131	G	A	0.261	0.033	0.134	4.77E-15	-0.030	0.026	0.251	0.016	61.320	TRUE	2.72E-14
Non-allergic asthma	PIP4K2A	cg20641026	rs117921884	C	A	0.475	0.085	0.040	2.20E-08	0.030	0.035	0.401	0.008	31.294	TRUE	5.26E-08
Non-allergic asthma	PIP4K2A	cg20641026	rs1778316	G	T	0.564	0.023	0.401	4.82E-133	0.021	0.016	0.200	0.140	602.161	TRUE	5.86E-123
Non-allergic asthma	PIP4K2A	cg20641026	rs34262913	T	C	0.255	0.028	0.235	1.81E-20	-0.002	0.019	0.926	0.023	85.939	TRUE	5.49E-20
Non-allergic asthma	PIP4K2A	cg20641026	rs4328127	C	G	0.190	0.027	0.256	3.09E-12	0.023	0.020	0.260	0.013	48.607	TRUE	1.31E-11
Non-allergic asthma	PIP4K2A	cg20641026	rs75233125	A	T	0.517	0.053	0.051	3.16E-22	-0.082	0.056	0.147	0.025	93.944	TRUE	5.28E-21
Non-allergic asthma	PIP4K2A	cg23017573	rs10764344	C	T	-0.813	0.021	0.342	<1E-200	0.022	0.017	0.199	0.281	1443.549	TRUE	2.81E-275
Non-allergic asthma	PIP4K2A	cg23017573	rs111803430	T	C	-0.453	0.045	0.055	1.28E-23	0.079	0.046	0.085	0.026	100.293	TRUE	3.47E-22
Non-allergic asthma	PIP4K2A	cg23017573	rs113311567	T	C	-0.531	0.079	0.024	1.61E-11	-0.009	0.044	0.830	0.012	45.366	TRUE	3.03E-11
Non-allergic asthma	PIP4K2A	cg23017573	rs11599012	T	C	-0.214	0.033	0.149	5.66E-11	0.012	0.022	0.572	0.011	42.912	TRUE	1.36E-10
Non-allergic asthma	PIP4K2A	cg23017573	rs117521485	G	A	-0.503	0.088	0.017	1.04E-08	-0.075	0.066	0.257	0.009	32.741	TRUE	3.15E-08
Non-allergic asthma	PIP4K2A	cg23017573	rs1778330	G	T	-0.755	0.059	0.043	5.01E-38	-0.030	0.044	0.499	0.043	166.105	TRUE	1.74E-36
Non-allergic asthma	PIP4K2A	cg23017573	rs188189173	A	G	-0.402	0.052	0.055	7.65E-15	0.069	0.029	0.018	0.016	60.392	TRUE	1.32E-13
Non-allergic asthma	PIP4K2A	cg23017573	rs2364708	A	G	-0.319	0.026	0.273	1.49E-35	-0.020	0.018	0.278	0.040	154.789	TRUE	7.18E-34
Non-allergic asthma	PIP4K2A	cg23017573	rs6482228	A	G	-0.443	0.024	0.353	1.73E-77	-0.029	0.019	0.129	0.086	347.003	TRUE	1.22E-72
Non-allergic asthma	PIP4K2A	cg23017573	rs7100772	T	C	-0.239	0.027	0.248	1.66E-18	0.033	0.021	0.109	0.020	77.017	TRUE	2.15E-17
Non-allergic asthma	PIP4K2A	cg23017573	rs72816826	G	A	0.345	0.040	0.094	1.48E-17	-0.029	0.030	0.323	0.019	72.702	TRUE	9.18E-17
Non-allergic asthma	PIP4K2A	cg23017573	rs76547528	G	A	-0.641	0.053	0.052	2.10E-33	-0.082	0.053	0.123	0.038	144.970	TRUE	1.51E-31
Non-allergic asthma	PIP4K2A	cg23017573	rs79228402	T	C	-0.563	0.051	0.053	4.25E-28	-0.003	0.032	0.914	0.032	120.726	TRUE	2.39E-27
Non-allergic asthma	PIP4K2A	cg25050566	rs1750758	G	A	-0.441	0.023	0.401	1.90E-82	0.007	0.017	0.669	0.091	369.768	TRUE	2.91E-78
Non-allergic asthma	PIP4K2A	cg25050566	rs7075433	C	T	-0.281	0.034	0.130	6.95E-17	-0.036	0.025	0.157	0.018	69.650	TRUE	6.20E-16
Non-allergic asthma	PIP4K2A	cg25050566	rs7084413	C	T	-0.163	0.027	0.260	1.04E-09	-0.012	0.018	0.518	0.010	37.228	TRUE	2.42E-09
Non-allergic asthma	PIP4K2A	cg25050566	rs875598	C	T	-0.157	0.025	0.298	6.57E-10	-0.037	0.019	0.053	0.010	38.123	TRUE	4.03E-09
Non-allergic asthma	PIP4K2A	cg25178565	rs10764344	C	T	-0.182	0.025	0.342	1.34E-13	0.022	0.017	0.199	0.015	54.768	TRUE	7.45E-13
Non-allergic asthma	PIP4K2A	cg25178565	rs12241403	T	C	-0.379	0.065	0.038	5.98E-09	-0.065	0.052	0.213	0.009	33.823	TRUE	2.00E-08
Non-allergic asthma	PIP4K2A	cg25178565	rs58647212	A	G	-0.340	0.024	0.367	1.52E-46	-0.021	0.018	0.251	0.053	205.102	TRUE	3.32E-44
Non-allergic asthma	PIP4K2A	cg25178565	rs77989314	C	T	-0.320	0.057	0.046	2.31E-08	-0.078	0.056	0.165	0.008	31.196	TRUE	8.00E-08
Non-allergic asthma	PIP4K2A	cg26872151	rs117479485	C	T	-1.029	0.168	0.013	8.11E-10	0.071	0.068	0.299	0.010	37.714	TRUE	2.54E-09
Non-allergic asthma	PIP4K2A	cg26872151	rs12354766	C	A	0.527	0.025	0.281	3.62E-97	0.036	0.018	0.045	0.106	437.356	TRUE	4.53E-90
Non-allergic asthma	PIP4K2A	cg26872151	rs1750752	G	A	-0.594	0.036	0.121	3.66E-62	-0.028	0.028	0.325	0.070	276.691	TRUE	5.92E-59
Non-allergic asthma	PIP4K2A	cg26872151	rs6482225	A	C	-0.289	0.053	0.049	4.50E-08	-0.040	0.042	0.332	0.008	29.904	TRUE	1.14E-07
Non-allergic asthma	PIP4K2A	cg26872151	rs7083933	G	A	-0.503	0.091	0.016	3.09E-08	-0.116	0.074	0.115	0.008	30.635	TRUE	1.19E-07
Non-allergic asthma	PIP4K2A	cg26872151	rs7093538	T	C	-0.402	0.069	0.034	6.52E-09	-0.034	0.046	0.467	0.009	33.653	TRUE	1.51E-08
Non-allergic asthma	PIP4K2A	cg26872151	rs7913894	T	C	0.196	0.031	0.160	2.65E-10	-0.036	0.024	0.144	0.011	39.896	TRUE	1.20E-09
Non-allergic asthma	PIP4K2C	cg05694847	rs10876966	T	C	-0.178	0.028	0.221	4.01E-10	-0.018	0.018	0.313	0.010	39.088	TRUE	1.26E-09
Non-allergic asthma	PIP4K2C	cg05694847	rs11613457	A	G	-0.597	0.043	0.075	3.46E-43	0.083	0.031	0.007	0.049	189.726	TRUE	5.79E-40
Non-allergic asthma	PIP4K2C	cg05694847	rs74808980	G	A	-0.396	0.063	0.057	4.26E-10	-0.013	0.036	0.726	0.010	38.970	TRUE	8.14E-10

Non-allergic asthma	PIP4K2C	cg09740308	rs10747780	T	C	0.859	0.023	0.273	<1E-200	0.061	0.016	1.77E-04	0.280	1439.876	TRUE	4.55E-270
Non-allergic asthma	PIP4K2C	cg09740308	rs1078109	A	G	-0.295	0.038	0.106	6.50E-15	-0.025	0.032	0.436	0.016	60.711	TRUE	2.58E-14
Non-allergic asthma	PIP4K2C	cg09740308	rs112976255	A	C	-0.316	0.046	0.072	3.64E-12	-0.014	0.030	0.629	0.013	48.285	TRUE	8.92E-12
Non-allergic asthma	PIP4K2C	cg09740308	rs12423654	C	T	0.218	0.023	0.480	3.24E-21	0.024	0.016	0.129	0.024	89.343	TRUE	5.21E-20
Non-allergic asthma	PIP4K2C	cg09740308	rs17565804	T	C	0.601	0.058	0.042	2.38E-25	0.055	0.029	0.062	0.028	108.184	TRUE	9.53E-24
Non-allergic asthma	PIP4K2C	cg09740308	rs2277322	C	T	-0.315	0.024	0.319	2.95E-38	-0.033	0.016	0.041	0.043	167.158	TRUE	8.64E-36
Non-allergic asthma	PIP4K2C	cg09740308	rs34790089	T	C	0.654	0.053	0.049	8.87E-35	0.019	0.046	0.685	0.039	151.248	TRUE	1.43E-33
Non-allergic asthma	PIP4K2C	cg09740308	rs4077658	A	C	0.237	0.026	0.297	1.57E-20	0.025	0.017	0.143	0.023	86.221	TRUE	2.21E-19
Non-allergic asthma	PIP4K2C	cg09740308	rs78607331	T	C	0.464	0.084	0.043	2.80E-08	-0.008	0.033	0.820	0.008	30.822	TRUE	4.38E-08
Non-allergic asthma	PIP4K2C	cg20183802	rs11613457	A	G	-0.295	0.044	0.075	2.00E-11	0.083	0.031	0.007	0.012	44.948	TRUE	2.69E-10
Non-allergic asthma	PIP4K2C	cg20183802	rs1678508	A	G	-0.561	0.067	0.033	3.13E-17	0.017	0.032	0.592	0.019	71.222	TRUE	1.19E-16
Non-allergic asthma	PIP4K2C	cg20183802	rs74240697	T	C	-0.390	0.072	0.028	4.79E-08	0.005	0.036	0.882	0.008	29.784	TRUE	7.00E-08
Non-allergic asthma	PIP4K2C	cg20416037	rs11613457	A	G	-0.352	0.044	0.075	1.11E-15	0.083	0.031	0.007	0.017	64.194	TRUE	2.87E-14
Non-allergic asthma	PIP4K2C	cg20416037	rs775245	A	G	0.384	0.043	0.084	1.76E-19	0.055	0.022	0.011	0.022	81.444	TRUE	6.96E-18
Non-allergic asthma	PIP4K2C	cg25133016	rs11613457	A	G	-0.272	0.044	0.075	5.64E-10	0.083	0.031	0.007	0.010	38.420	TRUE	6.02E-09
Non-allergic asthma	PIP4K2C	cg25133016	rs775245	A	G	0.308	0.043	0.084	5.04E-13	0.055	0.022	0.011	0.014	52.159	TRUE	7.79E-12
Non-allergic asthma	PIP4K2C	cg26459339	rs10437954	G	A	-0.262	0.042	0.089	3.04E-10	0.004	0.025	0.864	0.011	39.625	TRUE	5.11E-10
Non-allergic asthma	PIP4K2C	cg26459339	rs1078109	A	G	-0.349	0.038	0.106	2.29E-20	-0.025	0.032	0.436	0.023	85.479	TRUE	1.48E-19
Non-allergic asthma	PIP4K2C	cg26459339	rs112976255	A	C	-0.283	0.046	0.072	5.38E-10	-0.014	0.030	0.629	0.010	38.512	TRUE	1.13E-09
Non-allergic asthma	PIP4K2C	cg26459339	rs12579911	T	C	0.237	0.023	0.485	6.63E-25	0.031	0.016	0.050	0.028	106.153	TRUE	2.80E-23
Non-allergic asthma	PIP4K2C	cg26459339	rs1678527	T	C	-0.318	0.024	0.326	3.02E-39	-0.040	0.016	0.012	0.044	171.687	TRUE	2.11E-36
Non-allergic asthma	PIP4K2C	cg26459339	rs1800139	C	T	0.239	0.025	0.324	9.64E-22	0.021	0.016	0.183	0.024	91.739	TRUE	1.33E-20
Non-allergic asthma	PIP4K2C	cg26459339	rs34556747	T	C	0.599	0.058	0.042	3.47E-25	0.052	0.029	0.079	0.028	107.437	TRUE	1.18E-23
Non-allergic asthma	PIP4K2C	cg26459339	rs34790089	T	C	0.713	0.053	0.049	4.02E-41	0.019	0.046	0.685	0.046	180.272	TRUE	1.30E-39
Non-allergic asthma	PIP4K2C	cg26459339	rs78607331	T	C	0.468	0.084	0.043	2.21E-08	-0.008	0.033	0.820	0.008	31.284	TRUE	3.47E-08
Non-allergic asthma	PIP4K2C	cg26459339	rs8873	A	G	0.928	0.024	0.221	<1E-200	0.054	0.018	0.003	0.282	1451.315	TRUE	1.85E-273
Non-allergic asthma	PLA2G3	cg05815196	rs9606828	C	T	0.343	0.050	0.058	4.48E-12	0.111	0.044	0.012	0.013	47.878	TRUE	5.86E-11
Non-allergic asthma	PLA2G3	cg08457421	rs9606828	C	T	0.307	0.050	0.058	5.81E-10	0.111	0.044	0.012	0.010	38.362	TRUE	5.50E-09
Non-allergic asthma	PLA2G3	cg17733820	rs149007267	T	C	-1.052	0.131	0.014	1.10E-15	0.114	0.065	0.080	0.017	64.201	TRUE	1.19E-14
Non-allergic asthma	PLA2G3	cg17733820	rs2006253	C	A	-0.449	0.039	0.102	2.00E-30	0.046	0.032	0.151	0.034	131.351	TRUE	8.55E-29
Non-allergic asthma	PLA2G3	cg17733820	rs2073858	C	G	-0.369	0.027	0.264	4.44E-44	0.011	0.018	0.545	0.050	193.813	TRUE	2.82E-42
Non-allergic asthma	PLA2G3	cg17733820	rs2074739	G	A	-0.236	0.024	0.429	3.63E-23	0.015	0.017	0.363	0.026	98.225	TRUE	3.57E-22
Non-allergic asthma	PLA2G3	cg17733820	rs695438	C	G	-0.329	0.024	0.382	6.38E-43	0.000	0.016	0.979	0.048	188.511	TRUE	1.36E-41
Non-allergic asthma	PLA2G3	cg17733820	rs715297	G	A	-0.186	0.024	0.409	7.64E-15	0.014	0.016	0.397	0.016	60.394	TRUE	3.22E-14
Non-allergic asthma	PLA2G3	cg17733820	rs7286054	T	C	-0.188	0.033	0.155	7.77E-09	-0.004	0.020	0.836	0.009	33.314	TRUE	1.24E-08
Non-allergic asthma	PLA2G3	cg17733820	rs77080952	A	T	-0.886	0.109	0.029	4.40E-16	0.118	0.065	0.071	0.018	66.011	TRUE	5.27E-15
Non-allergic asthma	PLA2G3	cg17733820	rs77678468	G	A	-1.412	0.045	0.064	3.35E-218	0.063	0.040	0.110	0.212	993.618	TRUE	1.33E-195
Non-allergic asthma	PLA2G3	cg17733820	rs9609200	C	T	-0.142	0.026	0.302	3.40E-08	0.016	0.017	0.340	0.008	30.449	TRUE	8.63E-08
Non-allergic asthma	PLA2G3	cg17733820	rs9621390	C	T	-0.145	0.026	0.279	3.34E-08	0.006	0.018	0.763	0.008	30.482	TRUE	5.47E-08
Non-allergic asthma	PLA2G3	cg21274025	rs3761430	T	C	0.582	0.056	0.052	1.14E-25	0.023	0.039	0.550	0.029	109.634	TRUE	9.76E-25
Non-allergic asthma	PLA2G3	cg21274025	rs5997977	C	T	0.133	0.024	0.382	2.46E-08	0.000	0.016	0.981	0.008	31.078	TRUE	3.35E-08
Non-allergic asthma	PLA2G3	cg21274025	rs9621190	T	C	0.189	0.032	0.150	3.08E-09	-0.018	0.020	0.389	0.009	35.111	TRUE	8.07E-09

Non-allergic asthma	PLA2G3	cg25137841	rs77678468	G	A	0.356	0.048	0.064	8.51E-14	0.063	0.040	0.110	0.015	55.654	TRUE	6.41E-13
Non-allergic asthma	PLA2G3	cg25937577	rs9606828	C	T	0.430	0.050	0.058	3.86E-18	0.111	0.044	0.012	0.020	75.351	TRUE	1.22E-16
Non-allergic asthma	PPARD	cg15611037	rs9296152	T	G	0.663	0.092	0.016	4.91E-13	0.113	0.140	0.418	0.014	52.211	TRUE	1.71E-12
Non-allergic asthma	PPARD	cg18204017	rs6939017	G	A	-0.341	0.056	0.049	8.08E-10	0.069	0.054	0.207	0.010	37.720	TRUE	2.99E-09
Non-allergic asthma	PPARD	cg21748751	rs1053049	C	T	-0.193	0.027	0.237	1.70E-12	0.037	0.026	0.153	0.013	49.780	TRUE	9.53E-12
Non-allergic asthma	PPARD	cg21748751	rs115213601	A	C	-0.464	0.073	0.029	2.03E-10	-0.199	0.133	0.133	0.011	40.417	TRUE	9.59E-10
Non-allergic asthma	PPARD	cg21748751	rs74912731	A	G	-0.165	0.030	0.200	3.59E-08	-0.020	0.018	0.256	0.008	30.342	TRUE	1.03E-07
Non-allergic asthma	PPARD	cg21748751	rs7764813	A	C	-0.674	0.062	0.041	6.66E-28	0.149	0.069	0.031	0.031	119.832	TRUE	5.38E-26
Non-allergic asthma	PPM1F	cg01188914	rs12152140	G	C	0.620	0.036	0.116	4.94E-67	-0.053	0.024	0.029	0.075	299.029	TRUE	2.00E-62
Non-allergic asthma	PPM1F	cg01612629	rs17760000	C	G	0.315	0.038	0.108	1.70E-16	0.031	0.029	0.287	0.018	67.882	TRUE	1.03E-15
Non-allergic asthma	PPM1F	cg01612629	rs240051	A	C	-0.237	0.023	0.497	2.75E-24	-0.007	0.016	0.643	0.027	103.335	TRUE	1.75E-23
Non-allergic asthma	PPM1F	cg02377915	rs113498774	C	T	-0.822	0.037	0.108	3.89E-107	0.033	0.029	0.263	0.116	483.141	TRUE	5.00E-100
Non-allergic asthma	PPM1F	cg02377915	rs117685988	T	C	-0.498	0.086	0.020	6.42E-09	-0.073	0.073	0.314	0.009	33.684	TRUE	1.81E-08
Non-allergic asthma	PPM1F	cg02377915	rs141184738	G	C	-0.528	0.094	0.015	2.04E-08	0.035	0.058	0.539	0.008	31.437	TRUE	4.20E-08
Non-allergic asthma	PPM1F	cg02377915	rs240616	A	G	0.175	0.026	0.305	1.05E-11	0.009	0.018	0.622	0.012	46.204	TRUE	2.52E-11
Non-allergic asthma	PPM1F	cg02377915	rs9610504	A	G	-0.189	0.028	0.236	1.06E-11	-0.035	0.020	0.075	0.012	46.186	TRUE	7.26E-11
Non-allergic asthma	PPM1F	cg07644571	rs113498774	C	T	-0.879	0.037	0.108	7.93E-125	0.033	0.029	0.263	0.132	564.407	TRUE	7.19E-116
Non-allergic asthma	PPM1F	cg07644571	rs141184738	G	C	-0.618	0.094	0.015	5.17E-11	0.035	0.058	0.539	0.012	43.089	TRUE	1.30E-10
Non-allergic asthma	PPM1F	cg07644571	rs6518951	C	T	-0.191	0.028	0.240	6.22E-12	-0.040	0.020	0.051	0.013	47.234	TRUE	5.05E-11
Non-allergic asthma	PPM1F	cg10081899	rs12167687	A	G	0.232	0.025	0.287	5.27E-20	0.042	0.020	0.037	0.022	83.831	TRUE	1.37E-18
Non-allergic asthma	PPM1F	cg10081899	rs2845457	A	G	0.176	0.032	0.159	3.02E-08	0.002	0.019	0.915	0.008	30.677	TRUE	4.34E-08
Non-allergic asthma	PPM1F	cg16520652	rs9607460	A	C	-0.243	0.036	0.116	9.00E-12	-0.053	0.024	0.029	0.012	46.511	TRUE	8.62E-11
Non-allergic asthma	PPM1F	cg24533864	rs238783	A	G	0.132	0.024	0.395	2.95E-08	0.024	0.018	0.190	0.008	30.726	TRUE	9.57E-08
Non-allergic asthma	PPM1F	cg24533864	rs76341067	T	C	0.265	0.033	0.156	6.58E-16	0.014	0.024	0.545	0.017	65.220	TRUE	2.41E-15
Non-allergic asthma	PPM1F	cg25172145	rs17759934	T	C	0.291	0.036	0.115	8.90E-16	-0.053	0.024	0.029	0.017	64.626	TRUE	1.46E-14
Non-allergic asthma	PPM1F	cg25898577	rs112994310	T	C	-0.195	0.029	0.203	1.49E-11	0.004	0.019	0.809	0.012	45.520	TRUE	2.87E-11
Non-allergic asthma	PPM1F	cg25898577	rs2266980	C	T	0.355	0.036	0.116	5.66E-23	-0.053	0.024	0.029	0.026	97.349	TRUE	2.41E-21
Non-allergic asthma	PPM1F	cg25898577	rs240067	T	C	-0.333	0.025	0.319	6.30E-41	0.045	0.018	0.014	0.046	179.380	TRUE	5.26E-38
Non-allergic asthma	PPM1F	cg26285749	rs62234962	T	C	0.250	0.035	0.118	1.99E-12	-0.051	0.024	0.034	0.013	49.471	TRUE	1.97E-11
Non-allergic asthma	PPM1F	cg27653384	rs2266980	C	T	-0.222	0.036	0.116	9.88E-10	-0.053	0.024	0.029	0.010	37.329	TRUE	7.07E-09
Non-allergic asthma	PPM1F	cg27653384	rs240067	T	C	0.191	0.025	0.319	2.71E-14	0.045	0.018	0.014	0.015	57.900	TRUE	4.73E-13
Non-allergic asthma	PPP3R1	cg14414124	rs62143871	A	C	-0.198	0.024	0.384	6.90E-17	-0.023	0.016	0.154	0.018	69.663	TRUE	6.23E-16
Non-allergic asthma	PPP3R1	cg16179607	rs10195757	T	C	0.490	0.024	0.358	1.23E-93	-0.014	0.017	0.414	0.102	421.139	TRUE	4.05E-88
Non-allergic asthma	PPP3R1	cg16179607	rs7592330	G	A	0.143	0.024	0.467	1.28E-09	-0.019	0.016	0.239	0.010	36.829	TRUE	4.35E-09
Non-allergic asthma	PPP3R1	cg19015708	rs11126179	C	T	-0.303	0.023	0.397	1.86E-38	-0.026	0.016	0.100	0.043	168.071	TRUE	3.04E-36
Non-allergic asthma	PPP3R1	cg19015708	rs1867312	C	A	0.135	0.024	0.451	1.16E-08	-0.028	0.016	0.082	0.009	32.541	TRUE	5.27E-08
Non-allergic asthma	PPP3R1	cg19015708	rs4078978	T	C	-0.318	0.045	0.074	1.07E-12	-0.095	0.033	0.004	0.014	50.690	TRUE	2.03E-11
Non-allergic asthma	PPP3R1	cg19015708	rs6546359	G	C	0.442	0.026	0.259	8.90E-64	0.057	0.021	0.005	0.071	284.096	TRUE	6.54E-59
Non-allergic asthma	PPP3R1	cg19015708	rs74434844	C	T	0.394	0.057	0.047	5.45E-12	-0.016	0.055	0.770	0.013	47.493	TRUE	1.12E-11
Non-allergic asthma	PPT2	cg00086577	rs1042337	G	A	-0.172	0.027	0.253	9.88E-11	0.004	0.022	0.840	0.011	41.822	TRUE	1.75E-10
Non-allergic asthma	PPT2	cg00086577	rs1061118	G	A	-0.176	0.026	0.318	6.34E-12	-0.039	0.016	0.015	0.013	47.195	TRUE	7.66E-11
Non-allergic asthma	PPT2	cg00086577	rs1269839	T	G	-0.604	0.050	0.055	4.06E-34	0.075	0.121	0.535	0.039	148.230	TRUE	8.39E-33

Non-allergic asthma	PPT2	cg00086577	rs151719	C	T	-0.203	0.027	0.248	6.05E-14	-0.013	0.021	0.538	0.015	56.326	TRUE	1.91E-13
Non-allergic asthma	PPT2	cg00086577	rs17843607	G	A	-0.226	0.023	0.472	1.29E-22	-0.111	0.016	2.37E-12	0.025	95.725	TRUE	1.16E-18
Non-allergic asthma	PPT2	cg00086577	rs2596464	T	C	-0.146	0.024	0.464	5.13E-10	-0.057	0.016	3.36E-04	0.010	38.607	TRUE	1.06E-08
Non-allergic asthma	PPT2	cg00086577	rs3130283	A	C	-0.672	0.031	0.161	1.57E-103	0.026	0.023	0.273	0.112	466.579	TRUE	8.50E-97
Non-allergic asthma	PPT2	cg00086577	rs3131627	A	G	-0.228	0.024	0.404	1.88E-21	0.009	0.016	0.546	0.024	90.419	TRUE	1.10E-20
Non-allergic asthma	PPT2	cg00086577	rs34137317	T	C	-0.547	0.096	0.020	1.37E-08	-0.061	0.075	0.412	0.009	32.207	TRUE	3.30E-08
Non-allergic asthma	PPT2	cg00086577	rs397515530	A	G	0.186	0.026	0.297	6.38E-13	0.049	0.016	0.003	0.014	51.699	TRUE	1.43E-11
Non-allergic asthma	PPT2	cg00086577	rs7770045	G	T	0.144	0.024	0.451	8.06E-10	-0.038	0.016	0.015	0.010	37.725	TRUE	7.07E-09
Non-allergic asthma	PPT2	cg00086577	rs909253	G	A	0.311	0.024	0.360	1.08E-37	0.046	0.017	0.006	0.043	164.589	TRUE	8.64E-35
Non-allergic asthma	PPT2	cg00086577	rs9265494	C	T	0.235	0.025	0.336	3.05E-20	-0.028	0.016	0.072	0.022	84.909	TRUE	5.99E-19
Non-allergic asthma	PPT2	cg00086577	rs9268202	T	C	0.294	0.028	0.231	3.03E-26	0.005	0.018	0.763	0.029	112.264	TRUE	1.87E-25
Non-allergic asthma	PPT2	cg00086577	rs9270505	A	G	-0.319	0.023	0.424	5.25E-42	-0.068	0.016	1.85E-05	0.047	184.321	TRUE	9.16E-38
Non-allergic asthma	PPT2	cg00086577	rs9276816	T	C	0.221	0.024	0.423	1.00E-20	0.012	0.016	0.456	0.023	87.112	TRUE	6.43E-20
Non-allergic asthma	PPT2	cg00110832	rs3130284	C	T	-0.184	0.027	0.236	2.15E-11	0.045	0.022	0.041	0.012	44.807	TRUE	1.74E-10
Non-allergic asthma	PPT2	cg00552704	rs3130284	C	T	-0.283	0.027	0.236	4.55E-25	0.045	0.022	0.041	0.028	106.896	TRUE	2.17E-23
Non-allergic asthma	PPT2	cg00552704	rs35915063	G	A	0.187	0.032	0.171	2.96E-09	0.054	0.025	0.035	0.009	35.193	TRUE	1.89E-08
Non-allergic asthma	PPT2	cg00552704	rs6906662	A	G	-0.276	0.049	0.062	2.09E-08	-0.045	0.030	0.128	0.008	31.395	TRUE	7.94E-08
Non-allergic asthma	PPT2	cg00552704	rs9267817	A	G	0.488	0.029	0.212	1.53E-65	0.042	0.017	0.014	0.073	292.192	TRUE	8.41E-61
Non-allergic asthma	PPT2	cg00933538	rs115884658	A	G	0.645	0.092	0.021	1.80E-12	0.131	0.042	0.002	0.013	49.661	TRUE	4.13E-11
Non-allergic asthma	PPT2	cg00933538	rs116416438	A	G	0.523	0.077	0.021	1.42E-11	0.015	0.031	0.617	0.012	45.613	TRUE	3.39E-11
Non-allergic asthma	PPT2	cg00933538	rs2854260	T	C	0.295	0.032	0.169	5.40E-20	0.053	0.025	0.037	0.022	83.782	TRUE	1.41E-18
Non-allergic asthma	PPT2	cg00933538	rs3130284	C	T	-0.321	0.027	0.236	6.57E-32	0.045	0.022	0.041	0.036	138.130	TRUE	7.82E-30
Non-allergic asthma	PPT2	cg00933538	rs3213490	T	C	0.186	0.023	0.447	2.10E-15	-0.039	0.016	0.015	0.017	62.934	TRUE	4.20E-14
Non-allergic asthma	PPT2	cg00933538	rs707930	T	C	0.254	0.024	0.464	1.32E-26	0.060	0.016	1.71E-04	0.030	113.915	TRUE	6.56E-24
Non-allergic asthma	PPT2	cg00933538	rs9267817	A	G	0.763	0.028	0.212	1.04E-168	0.042	0.017	0.014	0.172	766.087	TRUE	1.86E-152
Non-allergic asthma	PPT2	cg01111041	rs1269839	T	G	0.317	0.050	0.055	2.24E-10	0.075	0.121	0.535	0.011	40.225	TRUE	5.37E-10
Non-allergic asthma	PPT2	cg02956248	rs3130283	A	C	0.261	0.032	0.161	2.57E-16	0.026	0.023	0.273	0.018	67.070	TRUE	1.58E-15
Non-allergic asthma	PPT2	cg03434432	rs151719	C	T	-0.310	0.027	0.248	7.99E-31	-0.013	0.021	0.538	0.035	133.172	TRUE	1.16E-29
Non-allergic asthma	PPT2	cg03434432	rs176095	G	A	0.278	0.026	0.259	1.00E-25	0.049	0.022	0.027	0.029	109.894	TRUE	6.44E-24
Non-allergic asthma	PPT2	cg03434432	rs17843607	G	A	-0.395	0.023	0.472	6.53E-68	-0.111	0.016	2.37E-12	0.076	303.063	TRUE	5.10E-59
Non-allergic asthma	PPT2	cg03434432	rs241447	C	T	0.172	0.028	0.242	4.51E-10	-0.077	0.017	4.88E-06	0.010	38.859	TRUE	1.89E-08
Non-allergic asthma	PPT2	cg03434432	rs3130283	A	C	-1.178	0.025	0.161	<1E-200	0.026	0.023	0.273	0.368	2152.006	TRUE	<1E-200
Non-allergic asthma	PPT2	cg03434432	rs3130934	A	C	-0.384	0.025	0.316	1.48E-51	-0.041	0.016	0.011	0.058	228.066	TRUE	7.94E-48
Non-allergic asthma	PPT2	cg03434432	rs3131627	A	G	-0.331	0.024	0.404	2.53E-44	0.009	0.016	0.546	0.050	194.931	TRUE	1.65E-42
Non-allergic asthma	PPT2	cg03434432	rs34137317	T	C	-0.985	0.096	0.020	8.43E-25	-0.061	0.075	0.412	0.028	105.677	TRUE	8.72E-24
Non-allergic asthma	PPT2	cg03434432	rs41316200	T	C	0.224	0.031	0.171	8.26E-13	0.054	0.025	0.032	0.014	51.192	TRUE	8.80E-12
Non-allergic asthma	PPT2	cg03434432	rs429608	A	G	0.207	0.032	0.156	1.10E-10	-0.046	0.024	0.059	0.011	41.604	TRUE	7.25E-10
Non-allergic asthma	PPT2	cg03434432	rs537757	T	A	0.274	0.024	0.373	2.41E-29	0.037	0.017	0.030	0.033	126.414	TRUE	2.42E-27
Non-allergic asthma	PPT2	cg03434432	rs9267817	A	G	0.202	0.029	0.212	3.03E-12	0.042	0.017	0.014	0.013	48.643	TRUE	3.91E-11
Non-allergic asthma	PPT2	cg03434432	rs9267857	G	A	0.272	0.024	0.417	6.10E-31	-0.012	0.017	0.470	0.035	133.710	TRUE	1.04E-29
Non-allergic asthma	PPT2	cg03434432	rs9269020	G	A	0.259	0.023	0.404	2.68E-28	0.069	0.016	1.35E-05	0.032	121.640	TRUE	3.81E-25
Non-allergic asthma	PPT2	cg03434432	rs9273748	A	C	0.238	0.038	0.104	2.36E-10	0.003	0.040	0.936	0.011	40.123	TRUE	3.72E-10

Non-allergic asthma	PPT2	cg03434432	rs9469089	C	G	0.201	0.033	0.144	1.88E-09	-0.065	0.019	5.60E-04	0.010	36.072	TRUE	3.16E-08
Non-allergic asthma	PPT2	cg03995156	rs1269839	T	G	-0.353	0.050	0.055	1.43E-12	0.075	0.121	0.535	0.013	50.114	TRUE	4.07E-12
Non-allergic asthma	PPT2	cg03995156	rs3130283	A	C	-0.472	0.032	0.161	1.54E-50	0.026	0.023	0.273	0.057	223.401	TRUE	5.38E-48
Non-allergic asthma	PPT2	cg03995156	rs397515530	A	G	0.160	0.026	0.297	5.79E-10	0.049	0.016	0.003	0.010	38.369	TRUE	7.80E-09
Non-allergic asthma	PPT2	cg03995156	rs9270505	A	G	-0.192	0.024	0.424	5.16E-16	-0.068	0.016	1.85E-05	0.017	65.698	TRUE	6.33E-14
Non-allergic asthma	PPT2	cg03995156	rs9276816	T	C	0.138	0.024	0.423	5.69E-09	0.012	0.016	0.456	0.009	33.921	TRUE	1.34E-08
Non-allergic asthma	PPT2	cg04105091	rs3130348	A	C	-0.232	0.027	0.237	2.63E-17	0.046	0.022	0.036	0.019	71.569	TRUE	4.84E-16
Non-allergic asthma	PPT2	cg04105091	rs9267817	A	G	0.371	0.029	0.212	5.68E-38	0.042	0.017	0.014	0.043	165.858	TRUE	3.01E-35
Non-allergic asthma	PPT2	cg04536704	rs151719	C	T	-0.176	0.027	0.248	6.97E-11	-0.013	0.021	0.538	0.011	42.504	TRUE	1.73E-10
Non-allergic asthma	PPT2	cg04536704	rs3130283	A	C	-0.539	0.031	0.161	2.04E-66	0.026	0.023	0.273	0.074	296.202	TRUE	8.22E-63
Non-allergic asthma	PPT2	cg04536704	rs3130284	C	T	0.263	0.027	0.236	6.99E-22	0.045	0.022	0.041	0.024	92.377	TRUE	2.20E-20
Non-allergic asthma	PPT2	cg04536704	rs3131627	A	G	-0.190	0.024	0.404	1.46E-15	0.009	0.016	0.546	0.017	63.653	TRUE	5.18E-15
Non-allergic asthma	PPT2	cg04536704	rs743401	C	T	-0.159	0.024	0.404	1.89E-11	0.030	0.016	0.060	0.012	45.062	TRUE	1.36E-10
Non-allergic asthma	PPT2	cg04536704	rs7755290	G	A	-0.273	0.050	0.054	4.74E-08	0.154	0.121	0.202	0.008	29.805	TRUE	1.47E-07
Non-allergic asthma	PPT2	cg04536704	rs9265494	C	T	0.206	0.025	0.336	4.75E-16	-0.028	0.016	0.072	0.017	65.860	TRUE	5.62E-15
Non-allergic asthma	PPT2	cg04536704	rs9270505	A	G	-0.232	0.024	0.424	7.17E-23	-0.068	0.016	1.85E-05	0.026	96.882	TRUE	3.35E-20
Non-allergic asthma	PPT2	cg04536704	rs9276582	C	G	0.216	0.030	0.185	6.55E-13	0.010	0.020	0.628	0.014	51.646	TRUE	1.70E-12
Non-allergic asthma	PPT2	cg04536704	rs9276816	T	C	0.138	0.024	0.423	4.97E-09	0.012	0.016	0.456	0.009	34.184	TRUE	1.17E-08
Non-allergic asthma	PPT2	cg04749507	rs114004994	C	G	0.523	0.061	0.036	9.02E-18	-0.041	0.044	0.354	0.020	73.677	TRUE	5.36E-17
Non-allergic asthma	PPT2	cg04749507	rs1573648	A	G	-0.132	0.024	0.456	2.13E-08	-0.029	0.016	0.064	0.008	31.353	TRUE	1.01E-07
Non-allergic asthma	PPT2	cg04749507	rs9267817	A	G	-0.445	0.029	0.212	1.05E-54	0.042	0.017	0.014	0.062	242.497	TRUE	8.33E-51
Non-allergic asthma	PPT2	cg04856022	rs1269839	T	G	-0.307	0.050	0.055	8.37E-10	0.075	0.121	0.535	0.010	37.652	TRUE	1.92E-09
Non-allergic asthma	PPT2	cg04856022	rs151719	C	T	-0.151	0.027	0.248	2.31E-08	-0.013	0.021	0.538	0.008	31.196	TRUE	4.74E-08
Non-allergic asthma	PPT2	cg04856022	rs3130283	A	C	-0.577	0.031	0.161	1.19E-75	0.026	0.023	0.273	0.084	338.570	TRUE	2.37E-71
Non-allergic asthma	PPT2	cg04856022	rs3131627	A	G	-0.196	0.024	0.404	2.21E-16	0.009	0.016	0.546	0.018	67.368	TRUE	8.40E-16
Non-allergic asthma	PPT2	cg04856022	rs3134944	T	C	0.293	0.027	0.237	1.06E-26	0.046	0.022	0.036	0.030	114.349	TRUE	6.76E-25
Non-allergic asthma	PPT2	cg04856022	rs9263787	T	A	-0.174	0.024	0.404	3.10E-13	0.030	0.016	0.063	0.014	53.118	TRUE	2.73E-12
Non-allergic asthma	PPT2	cg04856022	rs9265494	C	T	0.210	0.025	0.336	1.37E-16	-0.028	0.016	0.072	0.018	68.308	TRUE	1.73E-15
Non-allergic asthma	PPT2	cg04856022	rs9270505	A	G	-0.229	0.024	0.424	2.71E-22	-0.068	0.016	1.85E-05	0.025	94.251	TRUE	1.14E-19
Non-allergic asthma	PPT2	cg04856022	rs9276582	C	G	0.215	0.030	0.185	1.16E-12	0.010	0.020	0.628	0.013	50.520	TRUE	2.96E-12
Non-allergic asthma	PPT2	cg04856022	rs9276816	T	C	0.167	0.024	0.423	1.99E-12	0.012	0.016	0.456	0.013	49.465	TRUE	6.23E-12
Non-allergic asthma	PPT2	cg04877280	rs2763979	T	C	0.147	0.025	0.351	2.80E-09	-0.043	0.016	0.006	0.009	35.297	TRUE	2.77E-08
Non-allergic asthma	PPT2	cg04877280	rs3130283	A	C	-0.319	0.032	0.161	7.18E-24	0.026	0.023	0.273	0.027	101.436	TRUE	9.46E-23
Non-allergic asthma	PPT2	cg05133205	rs3130071	T	A	0.206	0.033	0.148	3.23E-10	0.003	0.023	0.886	0.011	39.509	TRUE	5.31E-10
Non-allergic asthma	PPT2	cg05133205	rs3130348	A	C	-0.309	0.027	0.237	1.11E-29	0.046	0.022	0.036	0.033	127.959	TRUE	1.04E-27
Non-allergic asthma	PPT2	cg05133205	rs6906662	A	G	-0.276	0.049	0.062	2.19E-08	-0.045	0.030	0.128	0.008	31.304	TRUE	8.30E-08
Non-allergic asthma	PPT2	cg05133205	rs9267817	A	G	0.407	0.029	0.212	1.00E-45	0.042	0.017	0.014	0.052	201.349	TRUE	1.79E-42
Non-allergic asthma	PPT2	cg05133205	rs9269017	A	G	-0.164	0.029	0.198	2.30E-08	-0.008	0.017	0.641	0.008	31.207	TRUE	4.26E-08
Non-allergic asthma	PPT2	cg05133205	rs9276582	C	G	-0.184	0.030	0.185	1.12E-09	0.010	0.020	0.628	0.010	37.082	TRUE	2.30E-09
Non-allergic asthma	PPT2	cg05323467	rs9267817	A	G	0.214	0.029	0.212	9.32E-14	0.042	0.017	0.014	0.015	55.477	TRUE	1.50E-12
Non-allergic asthma	PPT2	cg06025456	rs6457535	A	G	0.198	0.032	0.158	4.32E-10	0.021	0.023	0.358	0.010	38.942	TRUE	1.27E-09
Non-allergic asthma	PPT2	cg06108383	rs3130283	A	C	0.264	0.032	0.161	1.09E-16	0.026	0.023	0.273	0.018	68.758	TRUE	6.96E-16

Non-allergic asthma	PPT2	cg06264679	rs116416438	A	G	0.445	0.078	0.021	9.86E-09	0.015	0.031	0.617	0.009	32.850	TRUE	1.92E-08
Non-allergic asthma	PPT2	cg06264679	rs2243873	C	A	-0.143	0.024	0.459	2.38E-09	-0.024	0.016	0.125	0.010	35.612	TRUE	1.02E-08
Non-allergic asthma	PPT2	cg06264679	rs3130284	C	T	-0.271	0.027	0.236	4.71E-23	0.045	0.022	0.041	0.026	97.712	TRUE	1.73E-21
Non-allergic asthma	PPT2	cg06264679	rs6457646	A	G	0.136	0.023	0.447	6.79E-09	-0.038	0.016	0.015	0.009	33.575	TRUE	5.16E-08
Non-allergic asthma	PPT2	cg06264679	rs9267817	A	G	0.542	0.028	0.212	4.40E-81	0.042	0.017	0.014	0.089	363.506	TRUE	5.13E-75
Non-allergic asthma	PPT2	cg06814287	rs2596464	T	C	0.137	0.024	0.464	5.58E-09	-0.057	0.016	3.36E-04	0.009	33.958	TRUE	9.32E-08
Non-allergic asthma	PPT2	cg06814287	rs3130283	A	C	0.262	0.032	0.161	1.99E-16	0.026	0.023	0.273	0.018	67.575	TRUE	1.24E-15
Non-allergic asthma	PPT2	cg06814287	rs3130284	C	T	-0.258	0.027	0.236	4.79E-21	0.045	0.022	0.041	0.023	88.567	TRUE	1.36E-19
Non-allergic asthma	PPT2	cg06814287	rs3957147	T	C	-0.203	0.030	0.188	2.66E-11	0.022	0.019	0.235	0.012	44.390	TRUE	1.08E-10
Non-allergic asthma	PPT2	cg06814287	rs909253	G	A	-0.137	0.024	0.360	1.98E-08	0.046	0.017	0.006	0.008	31.495	TRUE	1.74E-07
Non-allergic asthma	PPT2	cg06832687	rs151719	C	T	-0.159	0.027	0.248	4.00E-09	-0.013	0.021	0.538	0.009	34.603	TRUE	8.70E-09
Non-allergic asthma	PPT2	cg06832687	rs3130283	A	C	-0.524	0.031	0.161	1.14E-62	0.026	0.023	0.273	0.070	279.013	TRUE	2.49E-59
Non-allergic asthma	PPT2	cg06832687	rs3130934	A	C	-0.163	0.026	0.316	2.20E-10	-0.041	0.016	0.011	0.011	40.259	TRUE	2.28E-09
Non-allergic asthma	PPT2	cg06832687	rs9265494	C	T	0.146	0.025	0.336	9.57E-09	-0.028	0.016	0.072	0.009	32.909	TRUE	4.59E-08
Non-allergic asthma	PPT2	cg06832687	rs9270505	A	G	-0.176	0.024	0.424	7.81E-14	-0.068	0.016	1.85E-05	0.015	55.822	TRUE	6.11E-12
Non-allergic asthma	PPT2	cg06832687	rs9276816	T	C	0.137	0.024	0.423	7.00E-09	0.012	0.016	0.456	0.009	33.518	TRUE	1.63E-08
Non-allergic asthma	PPT2	cg06902929	rs1269839	T	G	-0.423	0.050	0.055	1.69E-17	0.075	0.121	0.535	0.019	72.440	TRUE	7.16E-17
Non-allergic asthma	PPT2	cg06902929	rs9267817	A	G	0.161	0.029	0.212	2.71E-08	0.042	0.017	0.014	0.008	30.890	TRUE	1.90E-07
Non-allergic asthma	PPT2	cg08057899	rs3134944	T	C	-0.250	0.027	0.237	3.02E-20	0.046	0.022	0.036	0.022	84.930	TRUE	8.24E-19
Non-allergic asthma	PPT2	cg08295094	rs1055890	G	A	0.162	0.025	0.356	4.91E-11	-0.036	0.016	0.023	0.012	43.189	TRUE	4.54E-10
Non-allergic asthma	PPT2	cg08295094	rs1419881	A	G	-0.190	0.023	0.488	2.91E-16	0.039	0.016	0.013	0.018	66.827	TRUE	6.84E-15
Non-allergic asthma	PPT2	cg08295094	rs2243873	C	A	-0.215	0.024	0.459	1.16E-19	-0.024	0.016	0.125	0.022	82.276	TRUE	1.59E-18
Non-allergic asthma	PPT2	cg08295094	rs2395191	T	C	0.191	0.025	0.357	1.17E-14	-0.016	0.018	0.375	0.016	59.547	TRUE	5.05E-14
Non-allergic asthma	PPT2	cg08295094	rs3130348	A	C	-0.636	0.026	0.237	2.71E-129	0.046	0.022	0.036	0.137	584.928	TRUE	1.21E-118
Non-allergic asthma	PPT2	cg08295094	rs41543814	T	C	0.196	0.024	0.417	1.24E-16	0.033	0.016	0.040	0.018	68.516	TRUE	2.02E-15
Non-allergic asthma	PPT2	cg08295094	rs522254	G	A	0.215	0.028	0.207	2.81E-14	0.053	0.020	0.010	0.015	57.833	TRUE	5.43E-13
Non-allergic asthma	PPT2	cg08295094	rs71543427	A	C	-0.500	0.077	0.024	1.05E-10	0.037	0.044	0.404	0.011	41.698	TRUE	3.06E-10
Non-allergic asthma	PPT2	cg08295094	rs9265494	C	T	-0.153	0.025	0.336	1.62E-09	-0.028	0.016	0.072	0.010	36.361	TRUE	8.59E-09
Non-allergic asthma	PPT2	cg08295094	rs9267817	A	G	0.190	0.029	0.212	4.04E-11	0.042	0.017	0.014	0.012	43.571	TRUE	4.40E-10
Non-allergic asthma	PPT2	cg08295094	rs9273325	A	G	-0.324	0.032	0.150	1.15E-24	0.037	0.020	0.063	0.028	105.065	TRUE	4.17E-23
Non-allergic asthma	PPT2	cg10551329	rs3130283	A	C	0.182	0.032	0.161	1.07E-08	0.026	0.023	0.273	0.009	32.689	TRUE	3.15E-08
Non-allergic asthma	PPT2	cg11122280	rs1269839	T	G	0.483	0.050	0.055	1.72E-22	0.075	0.121	0.535	0.025	95.154	TRUE	1.12E-21
Non-allergic asthma	PPT2	cg11386011	rs3131297	T	A	-0.195	0.028	0.236	1.33E-12	0.045	0.022	0.043	0.013	50.254	TRUE	1.25E-11
Non-allergic asthma	PPT2	cg11386011	rs9267817	A	G	0.165	0.029	0.212	1.35E-08	0.042	0.017	0.014	0.009	32.246	TRUE	9.92E-08
Non-allergic asthma	PPT2	cg11941520	rs176095	G	A	-0.180	0.027	0.259	1.24E-11	0.049	0.022	0.027	0.012	45.889	TRUE	1.19E-10
Non-allergic asthma	PPT2	cg11941520	rs2854260	T	C	0.219	0.032	0.169	1.19E-11	0.053	0.025	0.037	0.012	45.955	TRUE	1.04E-10
Non-allergic asthma	PPT2	cg11941520	rs9267817	A	G	0.502	0.029	0.212	2.19E-69	0.042	0.017	0.014	0.077	309.825	TRUE	2.49E-64
Non-allergic asthma	PPT2	cg12585943	rs3130348	A	C	-0.263	0.027	0.237	6.97E-22	0.046	0.022	0.036	0.024	92.383	TRUE	2.33E-20
Non-allergic asthma	PPT2	cg12585943	rs9267817	A	G	0.449	0.029	0.212	1.27E-55	0.042	0.017	0.014	0.063	246.711	TRUE	1.17E-51
Non-allergic asthma	PPT2	cg12738718	rs3130348	A	C	-0.186	0.028	0.237	1.48E-11	0.046	0.022	0.036	0.012	45.531	TRUE	1.28E-10
Non-allergic asthma	PPT2	cg12738718	rs9267817	A	G	0.257	0.029	0.212	5.94E-19	0.042	0.017	0.014	0.021	79.044	TRUE	2.01E-17
Non-allergic asthma	PPT2	cg12883279	rs1061808	T	G	0.147	0.024	0.377	1.07E-09	-0.051	0.016	0.001	0.010	37.182	TRUE	1.57E-08

Non-allergic asthma	PPT2	cg13102294	rs3134947	T	C	-0.264	0.027	0.237	5.81E-22	0.046	0.022	0.036	0.024	92.741	TRUE	1.97E-20
Non-allergic asthma	PPT2	cg13102294	rs9267817	A	G	0.476	0.029	0.212	1.78E-62	0.042	0.017	0.014	0.070	278.133	TRUE	5.56E-58
Non-allergic asthma	PPT2	cg13934406	rs3117578	A	G	0.205	0.032	0.153	1.43E-10	0.007	0.023	0.771	0.011	41.096	TRUE	2.69E-10
Non-allergic asthma	PPT2	cg14130039	rs3130348	A	C	-0.205	0.027	0.237	8.52E-14	0.046	0.022	0.036	0.015	55.652	TRUE	9.92E-13
Non-allergic asthma	PPT2	cg14130039	rs9267817	A	G	0.289	0.029	0.212	1.62E-23	0.042	0.017	0.014	0.026	99.830	TRUE	1.04E-21
Non-allergic asthma	PPT2	cg14237933	rs9267817	A	G	0.227	0.028	0.212	1.32E-15	0.042	0.017	0.014	0.017	63.856	TRUE	2.77E-14
Non-allergic asthma	PPT2	cg15755475	rs116329723	G	T	-1.085	0.104	0.015	1.37E-25	0.039	0.056	0.484	0.029	109.282	TRUE	1.31E-24
Non-allergic asthma	PPT2	cg15755475	rs1269839	T	G	-1.575	0.044	0.055	5.20E-284	0.075	0.121	0.535	0.259	1296.250	TRUE	4.49E-251
Non-allergic asthma	PPT2	cg15755475	rs1419881	A	G	-0.197	0.023	0.488	3.10E-17	0.039	0.016	0.013	0.019	71.243	TRUE	8.36E-16
Non-allergic asthma	PPT2	cg15755475	rs187764	T	C	-0.490	0.046	0.068	4.81E-26	-0.025	0.065	0.702	0.029	111.351	TRUE	3.23E-25
Non-allergic asthma	PPT2	cg15755475	rs2261033	G	A	0.203	0.024	0.418	1.00E-17	-0.029	0.016	0.071	0.019	73.472	TRUE	1.46E-16
Non-allergic asthma	PPT2	cg15755475	rs2516466	T	G	0.145	0.024	0.446	7.51E-10	-0.072	0.016	5.75E-06	0.010	37.864	TRUE	2.92E-08
Non-allergic asthma	PPT2	cg15755475	rs28366128	C	A	-0.210	0.025	0.307	1.21E-16	-0.053	0.017	0.002	0.018	68.556	TRUE	5.58E-15
Non-allergic asthma	PPT2	cg15755475	rs28366176	G	T	-0.443	0.031	0.152	1.77E-46	-0.071	0.019	1.82E-04	0.052	204.802	TRUE	3.00E-42
Non-allergic asthma	PPT2	cg15755475	rs41543814	T	C	-0.158	0.024	0.417	2.86E-11	0.033	0.016	0.040	0.012	44.247	TRUE	2.31E-10
Non-allergic asthma	PPT2	cg15755475	rs6457646	A	G	0.154	0.023	0.447	3.75E-11	-0.038	0.016	0.015	0.012	43.717	TRUE	4.03E-10
Non-allergic asthma	PPT2	cg15755475	rs73404226	A	T	-0.455	0.071	0.027	1.19E-10	-0.137	0.161	0.395	0.011	41.455	TRUE	3.50E-10
Non-allergic asthma	PPT2	cg15755475	rs9266253	G	C	-0.254	0.031	0.178	8.19E-17	0.048	0.025	0.060	0.018	69.326	TRUE	1.15E-15
Non-allergic asthma	PPT2	cg15755475	rs9267857	G	A	-0.247	0.023	0.417	4.99E-26	-0.012	0.017	0.470	0.029	111.278	TRUE	5.15E-25
Non-allergic asthma	PPT2	cg15755475	rs9269020	G	A	-0.147	0.023	0.404	3.54E-10	0.069	0.016	1.35E-05	0.011	39.328	TRUE	1.31E-08
Non-allergic asthma	PPT2	cg15755475	rs9274500	A	T	-0.205	0.024	0.407	1.36E-17	0.051	0.018	0.005	0.019	72.864	TRUE	5.50E-16
Non-allergic asthma	PPT2	cg17113856	rs3130071	T	A	0.282	0.033	0.148	7.15E-18	0.003	0.023	0.886	0.020	74.133	TRUE	1.90E-17
Non-allergic asthma	PPT2	cg17229678	rs114004994	C	G	-0.414	0.061	0.036	1.30E-11	-0.041	0.044	0.354	0.012	45.793	TRUE	4.40E-11
Non-allergic asthma	PPT2	cg17229678	rs115884658	A	G	0.698	0.091	0.021	2.40E-14	0.131	0.042	0.002	0.015	58.145	TRUE	7.54E-13
Non-allergic asthma	PPT2	cg17229678	rs116416438	A	G	0.497	0.078	0.021	1.46E-10	0.015	0.031	0.617	0.011	41.057	TRUE	3.24E-10
Non-allergic asthma	PPT2	cg17229678	rs12660769	G	C	0.280	0.044	0.074	1.69E-10	-0.070	0.019	2.85E-04	0.011	40.778	TRUE	3.96E-09
Non-allergic asthma	PPT2	cg17229678	rs2243873	C	A	-0.166	0.024	0.459	3.10E-12	-0.024	0.016	0.125	0.013	48.599	TRUE	1.84E-11
Non-allergic asthma	PPT2	cg17229678	rs23544	T	C	0.137	0.024	0.410	1.34E-08	-0.021	0.016	0.196	0.009	32.249	TRUE	4.48E-08
Non-allergic asthma	PPT2	cg17229678	rs2844470	T	A	0.262	0.048	0.071	4.96E-08	-0.030	0.031	0.336	0.008	29.717	TRUE	1.25E-07
Non-allergic asthma	PPT2	cg17229678	rs3130284	C	T	-0.331	0.027	0.236	1.06E-33	0.045	0.022	0.041	0.038	146.320	TRUE	1.62E-31
Non-allergic asthma	PPT2	cg17229678	rs6457646	A	G	0.186	0.023	0.447	1.96E-15	-0.038	0.016	0.015	0.017	63.068	TRUE	3.93E-14
Non-allergic asthma	PPT2	cg17229678	rs6914412	C	T	-0.217	0.040	0.094	4.65E-08	0.044	0.040	0.272	0.008	29.841	TRUE	1.28E-07
Non-allergic asthma	PPT2	cg17229678	rs707974	G	A	0.216	0.038	0.100	1.26E-08	0.019	0.030	0.524	0.009	32.378	TRUE	2.67E-08
Non-allergic asthma	PPT2	cg17229678	rs9267817	A	G	0.799	0.027	0.212	3.47E-186	0.042	0.017	0.014	0.186	846.420	TRUE	2.30E-167
Non-allergic asthma	PPT2	cg17229678	rs9273501	A	T	0.208	0.024	0.352	5.43E-18	0.098	0.016	1.22E-09	0.020	74.676	TRUE	5.70E-15
Non-allergic asthma	PPT2	cg17329164	rs3130284	C	T	-0.279	0.027	0.236	2.02E-24	0.045	0.022	0.041	0.027	103.946	TRUE	8.86E-23
Non-allergic asthma	PPT2	cg17329164	rs9267817	A	G	0.463	0.029	0.212	4.63E-59	0.042	0.017	0.014	0.066	262.469	TRUE	7.84E-55
Non-allergic asthma	PPT2	cg17384105	rs34451818	G	C	0.533	0.048	0.048	4.13E-28	-0.010	0.042	0.816	0.032	120.780	TRUE	2.75E-27
Non-allergic asthma	PPT2	cg18049167	rs3130284	C	T	-0.263	0.027	0.236	9.21E-22	0.045	0.022	0.041	0.024	91.829	TRUE	2.86E-20
Non-allergic asthma	PPT2	cg18049167	rs9267817	A	G	0.454	0.029	0.212	6.51E-57	0.042	0.017	0.014	0.064	252.619	TRUE	7.56E-53
Non-allergic asthma	PPT2	cg19048176	rs9267817	A	G	-0.197	0.028	0.212	4.50E-12	0.042	0.017	0.014	0.013	47.868	TRUE	5.66E-11
Non-allergic asthma	PPT2	cg20328456	rs3130071	T	A	0.189	0.033	0.148	7.86E-09	0.003	0.023	0.886	0.009	33.291	TRUE	1.20E-08

Non-allergic asthma	PPT2	cg20328456	rs3130348	A	C	-0.212	0.027	0.237	1.15E-14	0.046	0.022	0.036	0.016	59.582	TRUE	1.51E-13
Non-allergic asthma	PPT2	cg20328456	rs9267817	A	G	0.167	0.029	0.212	9.53E-09	0.042	0.017	0.014	0.009	32.918	TRUE	7.19E-08
Non-allergic asthma	PPT2	cg21241317	rs3130283	A	C	-0.351	0.031	0.161	3.38E-29	0.026	0.023	0.273	0.033	125.746	TRUE	7.92E-28
Non-allergic asthma	PPT2	cg23359665	rs3130283	A	C	0.272	0.032	0.161	1.21E-17	0.026	0.023	0.273	0.019	73.105	TRUE	8.43E-17
Non-allergic asthma	PPT2	cg23470939	rs138039007	C	T	0.553	0.087	0.022	1.62E-10	0.078	0.034	0.021	0.011	40.857	TRUE	1.43E-09
Non-allergic asthma	PPT2	cg23470939	rs3130348	A	C	-0.257	0.027	0.237	6.66E-21	0.046	0.022	0.036	0.023	87.917	TRUE	1.96E-19
Non-allergic asthma	PPT2	cg23470939	rs3213490	T	C	0.163	0.023	0.447	3.56E-12	-0.039	0.016	0.015	0.013	48.325	TRUE	4.46E-11
Non-allergic asthma	PPT2	cg23470939	rs35353422	A	C	0.254	0.032	0.175	1.69E-15	0.053	0.025	0.038	0.017	63.359	TRUE	2.42E-14
Non-allergic asthma	PPT2	cg23470939	rs707930	T	C	0.196	0.024	0.464	2.20E-16	0.060	0.016	1.71E-04	0.018	67.381	TRUE	1.77E-14
Non-allergic asthma	PPT2	cg23470939	rs9267817	A	G	0.614	0.028	0.212	9.17E-106	0.042	0.017	0.014	0.114	476.833	TRUE	2.72E-97
Non-allergic asthma	PPT2	cg23660356	rs1269839	T	G	0.359	0.049	0.055	3.92E-13	0.075	0.121	0.535	0.014	52.652	TRUE	1.17E-12
Non-allergic asthma	PPT2	cg24009529	rs11759423	T	C	-0.271	0.044	0.068	1.04E-09	0.035	0.042	0.408	0.010	37.231	TRUE	2.76E-09
Non-allergic asthma	PPT2	cg24009529	rs1266071	T	C	-0.266	0.038	0.098	2.72E-12	0.017	0.030	0.562	0.013	48.854	TRUE	7.31E-12
Non-allergic asthma	PPT2	cg24009529	rs1419881	A	G	0.274	0.023	0.488	5.28E-32	0.039	0.016	0.013	0.036	138.566	TRUE	1.18E-29
Non-allergic asthma	PPT2	cg24009529	rs144027808	G	A	0.533	0.059	0.040	1.83E-19	-0.035	0.072	0.623	0.022	81.373	TRUE	7.95E-19
Non-allergic asthma	PPT2	cg24009529	rs171329	A	G	-0.157	0.024	0.497	2.49E-11	-0.015	0.016	0.359	0.012	44.516	TRUE	8.17E-11
Non-allergic asthma	PPT2	cg24009529	rs3130348	A	C	0.943	0.023	0.237	<1E-200	0.046	0.022	0.036	0.310	1660.227	TRUE	<1E-200
Non-allergic asthma	PPT2	cg24009529	rs408359	A	G	-0.286	0.048	0.066	2.74E-09	-0.041	0.035	0.243	0.009	35.339	TRUE	8.99E-09
Non-allergic asthma	PPT2	cg24009529	rs4959024	T	C	-0.288	0.024	0.374	3.63E-32	0.038	0.017	0.026	0.036	139.310	TRUE	5.78E-30
Non-allergic asthma	PPT2	cg24009529	rs56263516	G	T	-0.227	0.040	0.096	1.39E-08	0.042	0.021	0.053	0.009	32.190	TRUE	7.14E-08
Non-allergic asthma	PPT2	cg24009529	rs62396663	A	G	0.667	0.094	0.014	1.00E-12	-0.112	0.441	0.799	0.014	50.808	TRUE	2.11E-12
Non-allergic asthma	PPT2	cg24009529	rs6457595	A	T	0.453	0.028	0.206	1.78E-57	0.001	0.017	0.951	0.065	255.206	TRUE	2.40E-55
Non-allergic asthma	PPT2	cg24009529	rs6457598	T	C	-0.225	0.026	0.291	9.39E-18	0.000	0.019	0.998	0.020	73.598	TRUE	2.14E-17
Non-allergic asthma	PPT2	cg24009529	rs71543427	A	C	0.691	0.078	0.024	5.58E-19	0.037	0.044	0.404	0.021	79.167	TRUE	3.37E-18
Non-allergic asthma	PPT2	cg24009529	rs77488547	C	T	0.680	0.095	0.017	6.45E-13	-0.137	0.119	0.251	0.014	51.676	TRUE	2.98E-12
Non-allergic asthma	PPT2	cg24009529	rs9265494	C	T	0.225	0.025	0.336	9.95E-19	-0.028	0.016	0.072	0.021	78.027	TRUE	1.63E-17
Non-allergic asthma	PPT2	cg24009529	rs9266216	C	T	0.323	0.024	0.408	1.14E-41	0.022	0.018	0.204	0.047	182.776	TRUE	1.58E-39
Non-allergic asthma	PPT2	cg24009529	rs9267817	A	G	-0.301	0.029	0.212	1.72E-25	0.042	0.017	0.014	0.029	108.828	TRUE	1.46E-23
Non-allergic asthma	PPT2	cg24009529	rs9469089	C	G	-0.225	0.033	0.144	1.53E-11	-0.065	0.019	5.60E-04	0.012	45.475	TRUE	3.84E-10
Non-allergic asthma	PPT2	cg24509300	rs3130283	A	C	-0.426	0.032	0.161	2.46E-41	0.026	0.023	0.273	0.047	181.252	TRUE	2.47E-39
Non-allergic asthma	PPT2	cg25426302	rs3130283	A	C	0.353	0.032	0.161	1.18E-28	0.026	0.023	0.273	0.032	123.264	TRUE	2.61E-27
Non-allergic asthma	PPT2	cg25426302	rs9267817	A	G	-0.190	0.029	0.212	5.73E-11	0.042	0.017	0.014	0.011	42.887	TRUE	6.11E-10
Non-allergic asthma	PPT2	cg25426302	rs9267857	G	A	-0.155	0.024	0.417	5.61E-11	-0.012	0.017	0.470	0.011	42.930	TRUE	1.53E-10
Non-allergic asthma	PPT2	cg26169408	rs2243873	C	A	0.163	0.023	0.459	4.18E-12	-0.024	0.016	0.125	0.013	48.014	TRUE	2.45E-11
Non-allergic asthma	PPT2	cg26169408	rs3134947	T	C	0.340	0.027	0.237	1.35E-36	0.046	0.022	0.036	0.041	159.558	TRUE	3.35E-34
Non-allergic asthma	PPT2	cg27070869	rs3130283	A	C	-0.221	0.031	0.161	2.21E-12	0.026	0.023	0.273	0.013	49.257	TRUE	9.29E-12
Non-allergic asthma	PPT2	cg27134827	rs114004994	C	G	-0.377	0.061	0.036	7.63E-10	-0.041	0.044	0.354	0.010	37.833	TRUE	2.21E-09
Non-allergic asthma	PPT2	cg27134827	rs115884658	A	G	0.629	0.092	0.021	6.03E-12	0.131	0.042	0.002	0.013	47.295	TRUE	1.26E-10
Non-allergic asthma	PPT2	cg27134827	rs12660769	G	C	0.250	0.044	0.074	1.18E-08	-0.070	0.019	2.85E-04	0.009	32.496	TRUE	1.90E-07
Non-allergic asthma	PPT2	cg27134827	rs2243873	C	A	-0.159	0.024	0.459	3.00E-11	-0.024	0.016	0.125	0.012	44.153	TRUE	1.60E-10
Non-allergic asthma	PPT2	cg27134827	rs3130284	C	T	-0.299	0.027	0.236	9.69E-28	0.045	0.022	0.041	0.031	119.090	TRUE	6.58E-26
Non-allergic asthma	PPT2	cg27134827	rs6457646	A	G	0.150	0.023	0.447	1.63E-10	-0.038	0.016	0.015	0.011	40.845	TRUE	1.59E-09

Non-allergic asthma	PPT2	cg27134827	rs6914412	C	T	-0.223	0.040	0.094	1.87E-08	0.044	0.040	0.272	0.008	31.611	TRUE	5.36E-08
Non-allergic asthma	PPT2	cg27134827	rs9267817	A	G	0.735	0.028	0.212	9.15E-155	0.042	0.017	0.014	0.160	701.985	TRUE	1.95E-140
Non-allergic asthma	PPT2	cg27134827	rs9273501	A	T	0.180	0.024	0.352	8.19E-14	0.098	0.016	1.22E-09	0.015	55.730	TRUE	2.87E-11
Non-allergic asthma	PPT2	cg27631107	rs9469089	C	G	-0.296	0.033	0.144	1.81E-19	-0.065	0.019	5.60E-04	0.022	81.398	TRUE	1.85E-17
Non-allergic asthma	PRKAG2	cg00157109	rs35488759	T	C	-0.315	0.044	0.074	7.18E-13	-0.019	0.033	0.562	0.014	51.466	TRUE	2.02E-12
Non-allergic asthma	PRKAG2	cg00157109	rs4265106	A	G	-0.224	0.027	0.257	7.90E-17	0.004	0.017	0.818	0.018	69.397	TRUE	2.14E-16
Non-allergic asthma	PRKAG2	cg00157109	rs7795096	C	T	0.245	0.023	0.481	8.17E-26	0.001	0.016	0.950	0.029	110.300	TRUE	3.59E-25
Non-allergic asthma	PRKAG2	cg00491428	rs11771304	A	G	-0.216	0.034	0.140	3.48E-10	0.005	0.019	0.805	0.011	39.366	TRUE	6.17E-10
Non-allergic asthma	PRKAG2	cg00491428	rs35148810	T	C	-0.284	0.031	0.190	1.97E-20	0.029	0.022	0.194	0.023	85.773	TRUE	2.28E-19
Non-allergic asthma	PRKAG2	cg00491428	rs3813852	C	T	-1.088	0.027	0.175	<1E-200	0.014	0.020	0.483	0.309	1657.439	TRUE	<1E-200
Non-allergic asthma	PRKAG2	cg00491428	rs6953067	G	C	0.183	0.029	0.212	1.78E-10	-0.015	0.019	0.423	0.011	40.677	TRUE	4.93E-10
Non-allergic asthma	PRKAG2	cg00491428	rs9648727	T	C	0.300	0.024	0.349	8.40E-35	-0.022	0.016	0.184	0.039	151.358	TRUE	5.27E-33
Non-allergic asthma	PRKAG2	cg01005180	rs1971030	T	C	0.173	0.024	0.413	4.08E-13	-0.017	0.017	0.316	0.014	52.574	TRUE	1.69E-12
Non-allergic asthma	PRKAG2	cg01005180	rs2727553	G	A	0.387	0.023	0.490	4.21E-64	-0.017	0.016	0.290	0.072	285.587	TRUE	1.07E-60
Non-allergic asthma	PRKAG2	cg01005180	rs73158145	G	C	-0.218	0.036	0.124	1.92E-09	0.011	0.022	0.621	0.010	36.034	TRUE	3.91E-09
Non-allergic asthma	PRKAG2	cg01423695	rs140166603	A	G	0.195	0.028	0.215	6.79E-12	0.034	0.022	0.121	0.013	47.063	TRUE	3.94E-11
Non-allergic asthma	PRKAG2	cg01423695	rs9648724	A	G	-0.251	0.027	0.243	1.15E-20	0.013	0.018	0.470	0.023	86.834	TRUE	7.18E-20
Non-allergic asthma	PRKAG2	cg01588379	rs13239239	C	T	0.185	0.025	0.349	7.87E-14	0.016	0.018	0.374	0.015	55.808	TRUE	3.15E-13
Non-allergic asthma	PRKAG2	cg01588379	rs56308233	A	C	-0.395	0.072	0.027	4.65E-08	-0.089	0.045	0.050	0.008	29.841	TRUE	2.27E-07
Non-allergic asthma	PRKAG2	cg01588379	rs6464166	C	T	-0.313	0.030	0.192	1.06E-25	0.007	0.026	0.801	0.029	109.783	TRUE	5.87E-25
Non-allergic asthma	PRKAG2	cg01588379	rs76351165	A	C	-0.732	0.068	0.052	2.64E-27	-0.030	0.035	0.387	0.031	117.103	TRUE	3.72E-26
Non-allergic asthma	PRKAG2	cg03323793	rs10260657	A	G	0.154	0.025	0.319	1.00E-09	-0.002	0.017	0.892	0.010	37.301	TRUE	1.59E-09
Non-allergic asthma	PRKAG2	cg03323793	rs11772588	A	C	-0.435	0.032	0.158	5.18E-43	0.008	0.021	0.699	0.049	188.928	TRUE	2.02E-41
Non-allergic asthma	PRKAG2	cg03567939	rs11768925	G	A	-0.181	0.027	0.273	1.02E-11	0.039	0.021	0.063	0.012	46.263	TRUE	7.46E-11
Non-allergic asthma	PRKAG2	cg03567939	rs118118867	T	C	-0.201	0.028	0.219	8.21E-13	0.033	0.022	0.121	0.014	51.204	TRUE	5.29E-12
Non-allergic asthma	PRKAG2	cg03567939	rs34388354	G	T	0.171	0.030	0.202	1.26E-08	0.028	0.022	0.192	0.009	32.373	TRUE	4.24E-08
Non-allergic asthma	PRKAG2	cg03567939	rs6464172	A	G	0.547	0.031	0.432	1.97E-70	-0.023	0.016	0.154	0.078	314.622	TRUE	3.11E-66
Non-allergic asthma	PRKAG2	cg03567939	rs9648724	A	G	-0.276	0.027	0.243	1.23E-24	0.013	0.018	0.470	0.028	104.935	TRUE	1.11E-23
Non-allergic asthma	PRKAG2	cg04058799	rs11772588	A	C	-0.453	0.032	0.158	7.23E-47	0.008	0.021	0.699	0.053	206.583	TRUE	4.48E-45
Non-allergic asthma	PRKAG2	cg04058799	rs1881628	T	G	-0.190	0.030	0.193	3.17E-10	0.004	0.019	0.811	0.011	39.545	TRUE	5.60E-10
Non-allergic asthma	PRKAG2	cg04058799	rs7776530	C	A	0.143	0.025	0.325	1.18E-08	-0.008	0.017	0.635	0.009	32.509	TRUE	2.23E-08
Non-allergic asthma	PRKAG2	cg05807157	rs12703162	T	C	-0.131	0.023	0.431	1.69E-08	-0.041	0.016	0.010	0.009	31.807	TRUE	1.31E-07
Non-allergic asthma	PRKAG2	cg05807157	rs145499729	A	G	0.663	0.082	0.020	7.27E-16	0.002	0.050	0.967	0.017	65.023	TRUE	1.53E-15
Non-allergic asthma	PRKAG2	cg05807157	rs9969184	G	C	0.271	0.039	0.098	6.63E-12	0.005	0.023	0.830	0.013	47.109	TRUE	1.27E-11
Non-allergic asthma	PRKAG2	cg05953394	rs112119324	T	C	0.411	0.070	0.048	3.68E-09	-0.009	0.036	0.811	0.009	34.766	TRUE	6.11E-09
Non-allergic asthma	PRKAG2	cg07132038	rs10500202	T	C	0.677	0.067	0.053	9.03E-24	-0.032	0.035	0.364	0.027	100.982	TRUE	9.39E-23
Non-allergic asthma	PRKAG2	cg07132038	rs1881643	C	A	0.166	0.024	0.482	2.98E-12	-0.011	0.016	0.499	0.013	48.678	TRUE	8.65E-12
Non-allergic asthma	PRKAG2	cg07132038	rs9690705	G	A	-0.130	0.024	0.435	3.42E-08	0.023	0.016	0.137	0.008	30.439	TRUE	1.24E-07
Non-allergic asthma	PRKAG2	cg07161146	rs145499729	A	G	-0.674	0.082	0.020	1.39E-16	0.002	0.050	0.967	0.018	68.280	TRUE	3.06E-16
Non-allergic asthma	PRKAG2	cg07804434	rs140166603	A	G	0.156	0.028	0.215	3.81E-08	0.034	0.022	0.121	0.008	30.227	TRUE	1.43E-07
Non-allergic asthma	PRKAG2	cg07804434	rs1969558	A	C	0.238	0.034	0.138	2.24E-12	0.013	0.023	0.586	0.013	49.237	TRUE	5.87E-12
Non-allergic asthma	PRKAG2	cg07804434	rs4726102	G	A	0.293	0.037	0.247	5.40E-15	0.016	0.018	0.391	0.016	61.076	TRUE	2.33E-14

Non-allergic asthma	PRKAG2	cg07804434	rs56922253	T	C	0.324	0.040	0.096	3.33E-16	0.005	0.023	0.831	0.018	66.560	TRUE	8.48E-16
Non-allergic asthma	PRKAG2	cg07804434	rs62478250	A	G	-0.813	0.021	0.327	<1E-200	-0.041	0.016	0.010	0.286	1484.577	TRUE	7.60E-280
Non-allergic asthma	PRKAG2	cg07804434	rs6464182	T	C	-0.286	0.027	0.264	6.52E-27	0.016	0.017	0.336	0.030	115.310	TRUE	1.00E-25
Non-allergic asthma	PRKAG2	cg07804434	rs9648727	T	C	-0.461	0.024	0.349	3.76E-82	-0.022	0.016	0.184	0.091	368.408	TRUE	4.20E-77
Non-allergic asthma	PRKAG2	cg08265392	rs2536059	A	G	-0.218	0.023	0.490	7.55E-21	0.006	0.016	0.711	0.023	87.670	TRUE	3.22E-20
Non-allergic asthma	PRKAG2	cg08930413	rs10276297	C	T	0.212	0.025	0.322	2.72E-17	-0.002	0.017	0.892	0.019	71.500	TRUE	6.89E-17
Non-allergic asthma	PRKAG2	cg08930413	rs11971243	T	C	-0.707	0.031	0.160	4.06E-117	0.011	0.022	0.625	0.125	528.989	TRUE	9.95E-110
Non-allergic asthma	PRKAG2	cg08930413	rs1881628	T	G	-0.259	0.030	0.193	1.01E-17	0.004	0.019	0.811	0.019	73.460	TRUE	2.93E-17
Non-allergic asthma	PRKAG2	cg08930413	rs6950343	T	C	0.290	0.050	0.057	6.89E-09	-0.029	0.028	0.303	0.009	33.548	TRUE	1.97E-08
Non-allergic asthma	PRKAG2	cg08930413	rs80230353	A	G	-0.513	0.082	0.020	4.71E-10	0.002	0.050	0.976	0.010	38.772	TRUE	7.03E-10
Non-allergic asthma	PRKAG2	cg09397579	rs4631369	G	A	-0.208	0.032	0.384	1.37E-10	-0.034	0.016	0.035	0.011	41.191	TRUE	1.04E-09
Non-allergic asthma	PRKAG2	cg09397579	rs77307127	T	C	-0.785	0.101	0.024	1.03E-14	-0.041	0.084	0.621	0.016	59.811	TRUE	3.08E-14
Non-allergic asthma	PRKAG2	cg09403494	rs7791936	A	C	0.175	0.025	0.347	8.41E-13	0.013	0.016	0.431	0.014	51.155	TRUE	2.82E-12
Non-allergic asthma	PRKAG2	cg09449988	rs1029947	C	T	-0.478	0.037	0.110	4.91E-38	0.014	0.024	0.567	0.043	166.148	TRUE	1.45E-36
Non-allergic asthma	PRKAG2	cg09449988	rs11771194	A	G	0.211	0.025	0.306	4.29E-17	0.010	0.016	0.556	0.019	70.602	TRUE	1.70E-16
Non-allergic asthma	PRKAG2	cg09449988	rs17134624	A	G	-0.481	0.070	0.032	4.50E-12	0.048	0.101	0.632	0.013	47.866	TRUE	1.09E-11
Non-allergic asthma	PRKAG2	cg09449988	rs1860735	T	C	-0.226	0.038	0.110	1.87E-09	0.013	0.023	0.572	0.010	36.082	TRUE	4.02E-09
Non-allergic asthma	PRKAG2	cg09449988	rs2538044	T	A	0.263	0.027	0.262	6.86E-23	-0.003	0.019	0.869	0.026	96.970	TRUE	2.71E-22
Non-allergic asthma	PRKAG2	cg09449988	rs372442299	A	C	-0.463	0.075	0.024	7.80E-10	-0.036	0.046	0.437	0.010	37.788	TRUE	2.02E-09
Non-allergic asthma	PRKAG2	cg09449988	rs4726061	C	T	0.308	0.034	0.144	3.28E-19	-0.021	0.027	0.430	0.021	80.219	TRUE	1.93E-18
Non-allergic asthma	PRKAG2	cg09449988	rs4726070	G	A	-0.696	0.023	0.392	2.74E-204	-0.001	0.016	0.941	0.201	929.645	TRUE	2.75E-186
Non-allergic asthma	PRKAG2	cg09449988	rs4726084	A	G	-0.310	0.029	0.205	9.67E-27	-0.001	0.019	0.970	0.030	114.530	TRUE	4.44E-26
Non-allergic asthma	PRKAG2	cg09449988	rs77001183	G	T	-0.609	0.095	0.014	1.23E-10	-0.102	0.055	0.063	0.011	41.402	TRUE	7.84E-10
Non-allergic asthma	PRKAG2	cg09969528	rs4015360	G	A	-0.150	0.027	0.244	3.17E-08	0.035	0.021	0.102	0.008	30.582	TRUE	1.27E-07
Non-allergic asthma	PRKAG2	cg10363569	rs11976285	G	A	-0.308	0.024	0.420	4.56E-39	-0.004	0.016	0.785	0.044	170.871	TRUE	9.48E-38
Non-allergic asthma	PRKAG2	cg10370262	rs869033	C	T	-0.178	0.032	0.144	3.92E-08	0.022	0.025	0.384	0.008	30.172	TRUE	9.37E-08
Non-allergic asthma	PRKAG2	cg10902667	rs13239239	C	T	0.151	0.025	0.349	7.92E-10	0.016	0.018	0.374	0.010	37.759	TRUE	2.23E-09
Non-allergic asthma	PRKAG2	cg11718965	rs75674230	A	T	-0.860	0.099	0.011	3.98E-18	0.109	0.144	0.449	0.020	75.291	TRUE	2.05E-17
Non-allergic asthma	PRKAG2	cg12762399	rs73158122	A	C	-0.242	0.037	0.108	4.76E-11	0.015	0.025	0.547	0.012	43.249	TRUE	1.19E-10
Non-allergic asthma	PRKAG2	cg12835599	rs12533239	T	C	-0.163	0.023	0.434	1.77E-12	-0.040	0.016	0.012	0.013	49.697	TRUE	2.48E-11
Non-allergic asthma	PRKAG2	cg12835599	rs6978617	T	C	0.284	0.040	0.093	8.44E-13	0.004	0.023	0.865	0.014	51.150	TRUE	1.65E-12
Non-allergic asthma	PRKAG2	cg12835599	rs80230353	A	G	0.672	0.081	0.020	8.57E-17	0.002	0.050	0.976	0.018	69.236	TRUE	1.89E-16
Non-allergic asthma	PRKAG2	cg12978800	rs10278273	C	T	0.290	0.037	0.114	5.74E-15	0.008	0.020	0.683	0.016	60.955	TRUE	1.62E-14
Non-allergic asthma	PRKAG2	cg12978800	rs1104897	T	C	-0.278	0.032	0.166	4.47E-18	-0.002	0.025	0.924	0.020	75.059	TRUE	1.15E-17
Non-allergic asthma	PRKAG2	cg12978800	rs6464164	T	C	0.518	0.023	0.414	1.19E-110	-0.005	0.016	0.751	0.119	499.286	TRUE	4.17E-104
Non-allergic asthma	PRKAG2	cg13686795	rs12532554	T	C	-0.225	0.041	0.094	2.94E-08	-0.007	0.028	0.798	0.008	30.730	TRUE	4.68E-08
Non-allergic asthma	PRKAG2	cg15453708	rs11766272	A	G	-0.336	0.059	0.113	1.17E-08	-0.006	0.027	0.835	0.009	32.512	TRUE	1.85E-08
Non-allergic asthma	PRKAG2	cg15453708	rs4442045	T	C	0.448	0.030	0.187	1.65E-50	0.017	0.022	0.440	0.057	223.267	TRUE	3.22E-48
Non-allergic asthma	PRKAG2	cg16391727	rs2429833	T	C	-0.309	0.030	0.182	2.73E-24	0.007	0.026	0.780	0.027	103.347	TRUE	1.39E-23
Non-allergic asthma	PRKAG2	cg16986150	rs12532554	T	C	0.231	0.041	0.094	1.49E-08	-0.007	0.028	0.798	0.009	32.043	TRUE	2.42E-08
Non-allergic asthma	PRKAG2	cg16986150	rs6464179	A	G	-0.335	0.041	0.081	3.14E-16	-0.027	0.031	0.380	0.018	66.678	TRUE	1.54E-15
Non-allergic asthma	PRKAG2	cg16986150	rs6950348	C	T	-0.145	0.025	0.320	7.42E-09	0.011	0.016	0.517	0.009	33.403	TRUE	1.62E-08

Non-allergic asthma	PRKAG2	cg16986150	rs7789674	A	G	0.509	0.023	0.436	2.77E-113	0.004	0.016	0.782	0.121	511.377	TRUE	1.59E-106
Non-allergic asthma	PRKAG2	cg16994041	rs4442045	T	C	0.987	0.026	0.187	4.92E-304	0.017	0.022	0.440	0.274	1397.543	TRUE	2.39E-268
Non-allergic asthma	PRKAG2	cg16994041	rs58825093	T	C	-0.379	0.027	0.226	2.43E-43	0.034	0.022	0.119	0.049	190.433	TRUE	6.73E-41
Non-allergic asthma	PRKAG2	cg16994041	rs6975104	C	G	-0.177	0.025	0.366	1.05E-12	0.024	0.018	0.188	0.014	50.728	TRUE	5.47E-12
Non-allergic asthma	PRKAG2	cg16994041	rs9648724	A	G	-0.192	0.027	0.243	1.16E-12	0.013	0.018	0.470	0.013	50.530	TRUE	3.62E-12
Non-allergic asthma	PRKAG2	cg17008978	rs10277544	C	T	0.168	0.024	0.449	8.36E-13	0.018	0.016	0.266	0.014	51.168	TRUE	3.70E-12
Non-allergic asthma	PRKAG2	cg17192599	rs13224758	A	G	0.257	0.043	0.158	2.35E-09	-0.055	0.018	0.002	0.010	35.643	TRUE	2.99E-08
Non-allergic asthma	PRKAG2	cg17192599	rs58825093	T	C	0.223	0.028	0.226	9.42E-16	0.034	0.022	0.119	0.017	64.514	TRUE	8.52E-15
Non-allergic asthma	PRKAG2	cg17192599	rs9648724	A	G	-0.354	0.027	0.243	8.89E-40	0.013	0.018	0.470	0.045	174.119	TRUE	4.07E-38
Non-allergic asthma	PRKAG2	cg17359198	rs12669420	T	C	0.380	0.058	0.082	7.83E-11	0.054	0.033	0.100	0.011	42.278	TRUE	4.33E-10
Non-allergic asthma	PRKAG2	cg17359198	rs58943536	T	C	-0.256	0.028	0.220	6.68E-20	0.033	0.022	0.121	0.022	83.362	TRUE	9.58E-19
Non-allergic asthma	PRKAG2	cg17359198	rs7789699	C	T	-0.522	0.031	0.496	2.81E-63	-0.004	0.016	0.820	0.071	281.807	TRUE	1.19E-60
Non-allergic asthma	PRKAG2	cg17359198	rs9648724	A	G	0.175	0.027	0.243	1.10E-10	0.013	0.018	0.470	0.011	41.620	TRUE	2.92E-10
Non-allergic asthma	PRKAG2	cg17611936	rs10235949	A	G	-0.906	0.079	0.047	2.76E-30	0.072	0.057	0.209	0.034	130.713	TRUE	9.09E-29
Non-allergic asthma	PRKAG2	cg17611936	rs10265221	C	T	0.369	0.026	0.282	3.92E-46	0.017	0.019	0.358	0.052	203.220	TRUE	5.49E-44
Non-allergic asthma	PRKAG2	cg17611936	rs112079539	A	T	-0.815	0.116	0.018	2.51E-12	-0.032	0.058	0.573	0.013	49.011	TRUE	6.68E-12
Non-allergic asthma	PRKAG2	cg17611936	rs2256079	A	G	0.459	0.023	0.410	1.17E-86	0.001	0.016	0.944	0.095	389.094	TRUE	1.69E-82
Non-allergic asthma	PRKAG2	cg17611936	rs2727550	G	A	-0.181	0.025	0.329	3.38E-13	0.022	0.016	0.180	0.014	52.946	TRUE	1.90E-12
Non-allergic asthma	PRKAG2	cg17611936	rs2727562	G	A	-1.196	0.018	0.261	<1E-200	-0.014	0.018	0.435	0.541	4353.828	TRUE	<1E-200
Non-allergic asthma	PRKAG2	cg17611936	rs4725427	C	T	-0.720	0.104	0.026	5.06E-12	0.001	0.056	0.980	0.013	47.638	TRUE	8.35E-12
Non-allergic asthma	PRKAG2	cg17611936	rs6965771	T	C	0.202	0.027	0.260	4.40E-14	-0.005	0.018	0.792	0.015	56.950	TRUE	1.02E-13
Non-allergic asthma	PRKAG2	cg17611936	rs7788160	G	T	0.250	0.032	0.379	5.11E-15	0.000	0.016	0.985	0.016	61.186	TRUE	9.96E-15
Non-allergic asthma	PRKAG2	cg17611936	rs7792110	C	T	-0.223	0.037	0.246	1.22E-09	-0.011	0.017	0.514	0.010	36.923	TRUE	2.82E-09
Non-allergic asthma	PRKAG2	cg17611936	rs79215320	A	G	-0.366	0.038	0.240	1.95E-22	-0.010	0.023	0.671	0.025	94.899	TRUE	1.01E-21
Non-allergic asthma	PRKAG2	cg17611936	rs9648723	C	A	-0.238	0.042	0.160	2.01E-08	0.012	0.022	0.578	0.008	31.468	TRUE	3.97E-08
Non-allergic asthma	PRKAG2	cg18404559	rs73478069	C	A	0.333	0.034	0.142	1.37E-22	-0.019	0.027	0.470	0.025	95.593	TRUE	1.02E-21
Non-allergic asthma	PRKAG2	cg18439339	rs7810022	C	A	0.237	0.025	0.300	5.62E-21	0.009	0.018	0.593	0.023	88.255	TRUE	2.91E-20
Non-allergic asthma	PRKAG2	cg18633230	rs35346765	T	C	-0.221	0.040	0.194	3.86E-08	0.001	0.021	0.977	0.008	30.200	TRUE	5.23E-08
Non-allergic asthma	PRKAG2	cg18649198	rs9632641	C	A	0.302	0.040	0.205	2.74E-14	0.010	0.018	0.560	0.015	57.883	TRUE	8.62E-14
Non-allergic asthma	PRKAG2	cg19412964	rs11771194	A	G	0.218	0.025	0.306	3.21E-18	0.010	0.016	0.556	0.020	75.713	TRUE	1.40E-17
Non-allergic asthma	PRKAG2	cg19412964	rs1860735	T	C	-0.248	0.038	0.110	4.00E-11	0.013	0.023	0.572	0.012	43.591	TRUE	9.71E-11
Non-allergic asthma	PRKAG2	cg19412964	rs2538044	T	A	0.216	0.027	0.262	7.21E-16	-0.003	0.019	0.869	0.017	65.040	TRUE	1.71E-15
Non-allergic asthma	PRKAG2	cg19412964	rs372442299	A	C	-0.457	0.075	0.024	1.27E-09	-0.036	0.046	0.437	0.010	36.840	TRUE	3.23E-09
Non-allergic asthma	PRKAG2	cg19412964	rs4726070	G	A	-0.704	0.023	0.392	2.81E-209	-0.001	0.016	0.941	0.205	952.588	TRUE	1.67E-190
Non-allergic asthma	PRKAG2	cg19412964	rs4726084	A	G	-0.292	0.029	0.205	5.32E-24	-0.001	0.019	0.970	0.027	102.029	TRUE	1.96E-23
Non-allergic asthma	PRKAG2	cg19412964	rs6963512	G	A	-0.492	0.040	0.094	3.90E-35	0.030	0.027	0.259	0.040	152.880	TRUE	1.90E-33
Non-allergic asthma	PRKAG2	cg19412964	rs7456798	C	A	0.189	0.023	0.498	5.80E-16	0.004	0.016	0.789	0.017	65.470	TRUE	1.53E-15
Non-allergic asthma	PRKAG2	cg19412964	rs77001183	G	T	-0.575	0.095	0.014	1.20E-09	-0.102	0.055	0.063	0.010	36.950	TRUE	6.75E-09
Non-allergic asthma	PRKAG2	cg19412964	rs9801653	A	C	0.364	0.034	0.145	1.69E-26	-0.021	0.027	0.444	0.030	113.420	TRUE	1.93E-25
Non-allergic asthma	PRKAG2	cg20269607	rs7789699	C	T	-0.182	0.032	0.496	8.79E-09	-0.004	0.016	0.820	0.009	33.075	TRUE	1.41E-08
Non-allergic asthma	PRKAG2	cg20972917	rs74882587	T	C	0.193	0.034	0.148	1.17E-08	-0.010	0.026	0.697	0.009	32.518	TRUE	2.10E-08
Non-allergic asthma	PRKAG2	cg21764708	rs11766272	A	G	-0.336	0.059	0.113	1.20E-08	-0.006	0.027	0.835	0.009	32.471	TRUE	1.89E-08

Non-allergic asthma	PRKAG2	cg21764708	rs4442045	T	C	0.493	0.030	0.187	4.94E-61	0.017	0.022	0.440	0.068	271.510	TRUE	4.41E-58
Non-allergic asthma	PRKAG2	cg22513396	rs2536091	A	C	-0.188	0.023	0.408	7.34E-16	0.008	0.016	0.632	0.017	65.005	TRUE	2.36E-15
Non-allergic asthma	PRKAG2	cg22615330	rs118118867	T	C	0.281	0.028	0.219	8.32E-24	0.033	0.022	0.121	0.027	101.143	TRUE	1.87E-22
Non-allergic asthma	PRKAG2	cg22615330	rs9648724	A	G	-0.387	0.027	0.243	1.24E-47	0.013	0.018	0.470	0.054	210.084	TRUE	1.51E-45
Non-allergic asthma	PRKAG2	cg23151649	rs10278273	C	T	-0.263	0.037	0.114	1.73E-12	0.008	0.020	0.683	0.013	49.737	TRUE	4.08E-12
Non-allergic asthma	PRKAG2	cg23151649	rs112113536	C	G	0.300	0.041	0.093	1.30E-13	0.021	0.025	0.404	0.015	54.819	TRUE	4.87E-13
Non-allergic asthma	PRKAG2	cg23151649	rs11983465	G	C	0.399	0.025	0.323	9.50E-58	0.016	0.018	0.358	0.065	256.453	TRUE	6.83E-55
Non-allergic asthma	PRKAG2	cg23151649	rs12669379	C	T	0.492	0.067	0.065	1.47E-13	0.001	0.031	0.980	0.015	54.582	TRUE	2.64E-13
Non-allergic asthma	PRKAG2	cg23151649	rs2727552	C	T	0.977	0.023	0.465	<1E-200	0.015	0.016	0.357	0.321	1749.754	TRUE	<1E-200
Non-allergic asthma	PRKAG2	cg23151649	rs6978479	A	G	-0.503	0.091	0.033	3.39E-08	-0.066	0.043	0.122	0.008	30.455	TRUE	1.28E-07
Non-allergic asthma	PRKAG2	cg23351327	rs76351165	A	C	-0.427	0.068	0.052	2.81E-10	-0.030	0.035	0.387	0.011	39.781	TRUE	8.06E-10
Non-allergic asthma	PRKAG2	cg26284782	rs10260657	A	G	-0.147	0.025	0.319	4.79E-09	-0.002	0.017	0.892	0.009	34.254	TRUE	7.33E-09
Non-allergic asthma	PRKAG2	cg26284782	rs4726101	G	A	-0.294	0.023	0.497	7.02E-37	0.024	0.016	0.127	0.042	160.861	TRUE	7.70E-35
Non-allergic asthma	PRKAG2	cg26482626	rs2374307	T	G	0.159	0.024	0.466	1.34E-11	0.045	0.017	0.009	0.012	45.724	TRUE	1.77E-10
Non-allergic asthma	PRKAG2	cg26673980	rs4442045	T	C	0.552	0.030	0.187	5.44E-77	0.017	0.022	0.440	0.085	344.721	TRUE	6.78E-73
Non-allergic asthma	PRRT1	cg00403498	rs3130283	A	C	-0.449	0.031	0.161	3.30E-46	0.026	0.023	0.273	0.052	203.564	TRUE	6.30E-44
Non-allergic asthma	PRRT1	cg00403498	rs3131627	A	G	-0.140	0.024	0.404	5.10E-09	0.009	0.016	0.546	0.009	34.134	TRUE	1.09E-08
Non-allergic asthma	PRRT1	cg00403498	rs707928	G	A	0.143	0.025	0.340	1.66E-08	-0.052	0.016	9.14E-04	0.009	31.842	TRUE	2.10E-07
Non-allergic asthma	PRRT1	cg00403498	rs9263773	T	C	-0.132	0.024	0.365	4.47E-08	0.015	0.016	0.356	0.008	29.920	TRUE	1.10E-07
Non-allergic asthma	PRRT1	cg00403498	rs9264626	T	C	-0.165	0.025	0.364	2.25E-11	0.038	0.017	0.026	0.012	44.712	TRUE	2.10E-10
Non-allergic asthma	PRRT1	cg00403498	rs9267857	G	A	0.149	0.024	0.417	2.44E-10	-0.012	0.017	0.470	0.011	40.053	TRUE	6.32E-10
Non-allergic asthma	PRRT1	cg02429905	rs114004994	C	G	0.426	0.061	0.036	2.41E-12	-0.041	0.044	0.354	0.013	49.094	TRUE	8.71E-12
Non-allergic asthma	PRRT1	cg17161421	rs114004994	C	G	0.496	0.061	0.036	4.42E-16	-0.041	0.044	0.354	0.018	66.003	TRUE	2.25E-15
Non-allergic asthma	PRRT1	cg17161421	rs9267817	A	G	-0.214	0.029	0.212	1.45E-13	0.042	0.017	0.014	0.015	54.612	TRUE	2.27E-12
Non-allergic asthma	PRRT1	cg17161421	rs9267860	A	G	0.171	0.031	0.184	3.84E-08	-0.052	0.022	0.020	0.008	30.211	TRUE	2.41E-07
Non-allergic asthma	PRRT1	cg20914572	rs114004994	C	G	0.469	0.061	0.036	1.82E-14	-0.041	0.044	0.354	0.016	58.682	TRUE	7.99E-14
Non-allergic asthma	PRRT1	cg20914572	rs114258010	G	A	0.297	0.051	0.082	5.38E-09	-0.019	0.034	0.578	0.009	34.027	TRUE	1.11E-08
Non-allergic asthma	PRRT1	cg20914572	rs1265945	G	A	-0.306	0.024	0.373	6.94E-37	0.028	0.017	0.088	0.042	160.886	TRUE	1.00E-34
Non-allergic asthma	PRRT1	cg20914572	rs1269839	T	G	0.280	0.050	0.055	2.14E-08	0.075	0.121	0.535	0.008	31.348	TRUE	4.41E-08
Non-allergic asthma	PRRT1	cg20914572	rs146305655	A	G	0.427	0.067	0.038	1.48E-10	-0.036	0.037	0.320	0.011	41.038	TRUE	4.80E-10
Non-allergic asthma	PRRT1	cg20914572	rs2516469	G	C	-0.261	0.033	0.149	2.05E-15	-0.003	0.022	0.877	0.017	62.983	TRUE	4.67E-15
Non-allergic asthma	PRRT1	cg20914572	rs3134605	C	T	-0.159	0.028	0.223	1.61E-08	0.042	0.021	0.048	0.009	31.903	TRUE	8.42E-08
Non-allergic asthma	PRRT1	cg20914572	rs522254	G	A	0.184	0.029	0.207	1.13E-10	0.053	0.020	0.010	0.011	41.567	TRUE	1.26E-09
Non-allergic asthma	PRRT1	cg20914572	rs9469051	C	G	0.195	0.035	0.132	1.48E-08	-0.081	0.017	2.91E-06	0.009	32.057	TRUE	4.57E-07
Non-allergic asthma	PRRT1	cg21037008	rs114004994	C	G	0.515	0.061	0.036	2.61E-17	-0.041	0.044	0.354	0.019	71.577	TRUE	1.49E-16
Non-allergic asthma	PRRT1	cg21037008	rs9469051	C	G	0.199	0.034	0.132	6.65E-09	-0.081	0.017	2.91E-06	0.009	33.617	TRUE	2.24E-07
Non-allergic asthma	PTGDR	cg02191312	rs11626204	A	G	0.228	0.035	0.123	1.35E-10	0.067	0.027	0.013	0.011	41.207	TRUE	1.39E-09
Non-allergic asthma	PTGDR	cg09516965	rs11157906	G	A	0.223	0.035	0.127	1.26E-10	0.068	0.026	0.009	0.011	41.352	TRUE	1.43E-09
Non-allergic asthma	PTGDR	cg09516965	rs184316622	G	A	0.522	0.088	0.018	2.56E-09	0.079	0.064	0.216	0.009	35.476	TRUE	8.83E-09
Non-allergic asthma	PTGDR	cg09516965	rs4901236	A	G	0.233	0.033	0.139	2.42E-12	-0.028	0.021	0.185	0.013	49.087	TRUE	1.22E-11
Non-allergic asthma	PTGDR	cg10837806	rs708487	G	A	0.236	0.028	0.221	1.12E-16	0.030	0.020	0.140	0.018	68.715	TRUE	1.03E-15
Non-allergic asthma	PTGDR	cg10837806	rs75832675	A	G	-0.167	0.027	0.263	4.39E-10	-0.028	0.018	0.119	0.010	38.910	TRUE	2.09E-09

Non-allergic asthma	PTGDR	cg13561855	rs112726355	G	A	0.257	0.040	0.086	1.04E-10	0.001	0.031	0.981	0.011	41.714	TRUE	1.60E-10
Non-allergic asthma	PTGDR	cg13561855	rs8005977	T	C	-0.155	0.024	0.398	1.27E-10	-0.005	0.016	0.780	0.011	41.333	TRUE	2.37E-10
Non-allergic asthma	PTGDR	cg17929687	rs10137242	T	C	0.356	0.034	0.137	2.51E-26	-0.020	0.022	0.383	0.030	112.637	TRUE	3.23E-25
Non-allergic asthma	PTGDR	cg17929687	rs11626204	A	G	0.387	0.036	0.123	1.29E-27	0.067	0.027	0.013	0.031	118.520	TRUE	1.54E-25
Non-allergic asthma	PTGDR	cg17929687	rs142859682	A	G	0.525	0.082	0.020	1.71E-10	0.077	0.063	0.224	0.011	40.756	TRUE	6.54E-10
Non-allergic asthma	PTGDR	cg17929687	rs74504207	A	G	0.468	0.083	0.023	1.51E-08	0.064	0.100	0.523	0.009	32.027	TRUE	3.18E-08
Non-allergic asthma	PTGDR	cg18242103	rs10129444	A	G	0.401	0.045	0.071	6.38E-19	-0.015	0.038	0.702	0.021	78.905	TRUE	2.36E-18
Non-allergic asthma	PTGDR	cg18242103	rs11157907	C	T	0.333	0.035	0.125	5.33E-21	0.068	0.026	0.009	0.023	88.357	TRUE	2.83E-19
Non-allergic asthma	PTGDR	cg18242103	rs369793675	A	C	0.601	0.095	0.017	2.08E-10	0.009	0.096	0.922	0.011	40.371	TRUE	3.33E-10
Non-allergic asthma	PTGDR	cg18242103	rs8022207	A	G	0.210	0.026	0.276	2.35E-15	0.004	0.017	0.794	0.017	62.715	TRUE	5.90E-15
Non-allergic asthma	PTGDR	cg18369034	rs10136495	G	A	0.291	0.025	0.303	8.56E-31	0.008	0.018	0.669	0.035	133.037	TRUE	9.55E-30
Non-allergic asthma	PTGDR	cg18369034	rs11623990	A	C	-0.745	0.032	0.155	1.51E-123	0.026	0.022	0.230	0.131	558.528	TRUE	1.24E-114
Non-allergic asthma	PTGDR	cg18369034	rs11626761	G	A	-0.200	0.029	0.212	3.33E-12	0.011	0.019	0.552	0.013	48.459	TRUE	9.00E-12
Non-allergic asthma	PTGDR	cg18369034	rs12588905	C	T	-0.134	0.024	0.498	2.15E-08	-0.012	0.016	0.439	0.008	31.339	TRUE	4.92E-08
Non-allergic asthma	PTGDR	cg18369034	rs1495788	G	T	-0.341	0.023	0.483	3.73E-48	0.000	0.016	0.982	0.054	212.478	TRUE	1.44E-46
Non-allergic asthma	PTGDR	cg18369034	rs2073625	T	C	0.185	0.027	0.259	3.24E-12	0.010	0.018	0.585	0.013	48.509	TRUE	8.43E-12
Non-allergic asthma	PTGDR	cg18369034	rs28564141	A	G	-0.283	0.045	0.074	2.48E-10	-0.015	0.038	0.687	0.011	40.022	TRUE	5.02E-10
Non-allergic asthma	PTGDR	cg18369034	rs76760921	A	G	0.397	0.054	0.046	1.57E-13	-0.010	0.037	0.779	0.015	54.453	TRUE	3.55E-13
Non-allergic asthma	PTGDR	cg18369034	rs78457668	A	T	-0.263	0.039	0.091	2.58E-11	-0.012	0.024	0.632	0.012	44.448	TRUE	5.93E-11
Non-allergic asthma	PTGDR	cg19716643	rs10137374	C	T	0.163	0.026	0.276	8.16E-10	0.005	0.017	0.753	0.010	37.701	TRUE	1.49E-09
Non-allergic asthma	PTGDR	cg19716643	rs2749870	G	A	0.179	0.024	0.454	5.52E-14	0.002	0.016	0.900	0.015	56.503	TRUE	1.12E-13
Non-allergic asthma	PTGDR	cg19716643	rs708486	G	A	-0.142	0.024	0.432	1.71E-09	0.043	0.016	0.009	0.010	36.254	TRUE	1.60E-08
Non-allergic asthma	PTGDR	cg23022053	rs10146847	G	T	-1.211	0.017	0.280	<1E-200	-0.038	0.017	0.026	0.580	5097.937	TRUE	<1E-200
Non-allergic asthma	PTGDR	cg23022053	rs111579609	A	G	-0.472	0.072	0.022	6.96E-11	-0.024	0.034	0.480	0.011	42.506	TRUE	1.86E-10
Non-allergic asthma	PTGDR	cg23022053	rs118075982	G	A	-0.582	0.084	0.020	3.54E-12	0.172	0.118	0.145	0.013	48.339	TRUE	1.97E-11
Non-allergic asthma	PTGDR	cg23022053	rs12884113	C	A	0.470	0.083	0.022	1.39E-08	-0.065	0.037	0.082	0.009	32.186	TRUE	6.26E-08
Non-allergic asthma	PTGDR	cg23022053	rs1353411	A	G	-0.203	0.031	0.174	3.24E-11	0.012	0.020	0.554	0.012	44.005	TRUE	8.10E-11
Non-allergic asthma	PTGDR	cg23022053	rs1390375	G	T	0.362	0.027	0.230	1.22E-39	0.022	0.019	0.256	0.045	173.495	TRUE	1.05E-37
Non-allergic asthma	PTGDR	cg23022053	rs1692041	T	C	-0.145	0.025	0.312	1.31E-08	0.011	0.017	0.500	0.009	32.303	TRUE	2.84E-08
Non-allergic asthma	PTGDR	cg23022053	rs1776503	T	C	-0.283	0.024	0.386	1.52E-32	0.004	0.017	0.806	0.037	141.042	TRUE	1.55E-31
Non-allergic asthma	PTGDR	cg23022053	rs17831567	A	G	-0.855	0.060	0.039	1.19E-45	-0.058	0.041	0.153	0.052	201.005	TRUE	3.70E-43
Non-allergic asthma	PTGDR	cg23022053	rs34968560	C	T	-0.246	0.039	0.102	2.30E-10	0.031	0.027	0.250	0.011	40.172	TRUE	8.28E-10
Non-allergic asthma	PTGDR	cg23022053	rs36025743	G	A	0.225	0.039	0.097	1.22E-08	-0.033	0.029	0.254	0.009	32.441	TRUE	3.66E-08
Non-allergic asthma	PTGDR	cg23022053	rs62003489	T	G	-0.129	0.024	0.500	4.85E-08	0.002	0.016	0.920	0.008	29.759	TRUE	6.86E-08
Non-allergic asthma	PTGDR	cg23022053	rs62005715	T	C	0.345	0.047	0.066	2.54E-13	0.001	0.036	0.975	0.014	53.503	TRUE	4.54E-13
Non-allergic asthma	PTGDR	cg23022053	rs7145901	T	C	0.379	0.025	0.306	2.07E-51	-0.001	0.018	0.942	0.058	227.394	TRUE	1.30E-49
Non-allergic asthma	PTGDR	cg23022053	rs76073421	G	C	-0.784	0.081	0.020	6.28E-22	-0.033	0.031	0.286	0.024	92.587	TRUE	6.53E-21
Non-allergic asthma	PTGDR	cg23022053	rs76495438	T	C	-0.719	0.089	0.019	6.87E-16	-0.179	0.174	0.305	0.017	65.136	TRUE	3.78E-15
Non-allergic asthma	PTGDR	cg23022053	rs77948181	G	A	-0.608	0.056	0.048	4.39E-27	-0.020	0.056	0.715	0.030	116.097	TRUE	3.17E-26
Non-allergic asthma	PTGDR	cg23022053	rs79595478	C	T	-0.298	0.044	0.080	1.24E-11	-0.016	0.036	0.657	0.012	45.887	TRUE	2.83E-11
Non-allergic asthma	PTGDR	cg23022053	rs8009354	A	G	-0.161	0.026	0.295	4.75E-10	0.005	0.017	0.771	0.010	38.756	TRUE	8.65E-10
Non-allergic asthma	PTGDR	cg23022053	rs802964	G	A	-0.205	0.028	0.226	9.00E-14	-0.016	0.020	0.425	0.015	55.544	TRUE	3.30E-13

Non-allergic asthma	PTGDR	cg23022053	rs803020	T	C	0.353	0.056	0.055	2.04E-10	0.028	0.047	0.552	0.011	40.403	TRUE	4.82E-10
Non-allergic asthma	PTGDR	cg24089118	rs10136844	G	T	0.304	0.030	0.181	1.32E-23	-0.026	0.021	0.224	0.026	100.234	TRUE	1.95E-22
Non-allergic asthma	PTGDR	cg24089118	rs11157906	G	A	0.311	0.035	0.127	1.05E-18	0.068	0.026	0.009	0.021	77.915	TRUE	4.03E-17
Non-allergic asthma	PTGDR	cg24089118	rs184316622	G	A	0.579	0.089	0.018	8.15E-11	0.079	0.064	0.216	0.011	42.198	TRUE	3.28E-10
Non-allergic asthma	PTGDR	cg24989962	rs10137242	T	C	0.322	0.034	0.137	1.81E-21	-0.020	0.022	0.383	0.024	90.499	TRUE	1.44E-20
Non-allergic asthma	PTGDR	cg24989962	rs11626204	A	G	0.349	0.036	0.123	1.97E-22	0.067	0.027	0.013	0.025	94.879	TRUE	1.12E-20
Non-allergic asthma	PTGDR	cg24989962	rs142859682	A	G	0.479	0.083	0.020	7.71E-09	0.077	0.063	0.224	0.009	33.329	TRUE	2.50E-08
Non-allergic asthma	PTGDR	cg24989962	rs74504207	A	G	0.496	0.083	0.023	2.48E-09	0.064	0.100	0.523	0.010	35.534	TRUE	5.57E-09
Non-allergic asthma	PTGDR	cg26168772	rs8003616	A	G	0.196	0.026	0.295	2.20E-14	0.005	0.017	0.780	0.016	58.313	TRUE	5.26E-14
Non-allergic asthma	PTGDR	cg27131955	rs12891608	C	G	0.162	0.025	0.354	8.12E-11	-0.014	0.016	0.402	0.011	42.206	TRUE	2.39E-10
Non-allergic asthma	PTGDR	cg27131955	rs1437560	G	A	-0.206	0.024	0.408	1.32E-17	-0.011	0.016	0.481	0.019	72.918	TRUE	6.17E-17
Non-allergic asthma	PTGDR	cg27131955	rs34968651	T	C	0.516	0.040	0.086	7.44E-39	-0.006	0.031	0.836	0.044	169.898	TRUE	1.36E-37
Non-allergic asthma	PTGDR	cg27131955	rs803013	G	T	-0.146	0.023	0.467	4.45E-10	-0.029	0.016	0.065	0.010	38.885	TRUE	2.61E-09
Non-allergic asthma	PTGIS	cg05932408	rs1875563	T	C	0.131	0.023	0.456	1.57E-08	0.021	0.016	0.191	0.009	31.944	TRUE	5.25E-08
Non-allergic asthma	PTGIS	cg06357305	rs56382860	C	T	-0.282	0.047	0.071	1.29E-09	0.071	0.034	0.035	0.010	36.816	TRUE	8.59E-09
Non-allergic asthma	PTGIS	cg07612655	rs117394715	G	A	-0.640	0.110	0.013	6.54E-09	-0.045	0.133	0.733	0.009	33.650	TRUE	1.15E-08
Non-allergic asthma	PTGIS	cg07612655	rs536805	G	T	0.168	0.029	0.191	1.12E-08	-0.013	0.018	0.471	0.009	32.598	TRUE	2.54E-08
Non-allergic asthma	PTGIS	cg07612655	rs56382860	C	T	-0.889	0.046	0.071	4.07E-84	0.071	0.034	0.035	0.093	377.433	TRUE	3.94E-78
Non-allergic asthma	PTGIS	cg08440266	rs1875563	T	C	-0.162	0.024	0.456	6.44E-12	0.021	0.016	0.191	0.013	47.165	TRUE	3.08E-11
Non-allergic asthma	PTGIS	cg08440266	rs6019908	T	G	-0.963	0.045	0.075	1.56E-102	0.071	0.034	0.035	0.111	461.995	TRUE	8.63E-95
Non-allergic asthma	PTGIS	cg08440266	rs73613304	G	A	-0.256	0.041	0.084	6.43E-10	0.085	0.034	0.013	0.010	38.165	TRUE	5.88E-09
Non-allergic asthma	PTGIS	cg08788055	rs1875563	T	C	-0.155	0.024	0.456	3.84E-11	0.021	0.016	0.191	0.012	43.669	TRUE	1.69E-10
Non-allergic asthma	PTGIS	cg08788055	rs56382860	C	T	-0.707	0.046	0.071	9.88E-53	0.071	0.034	0.035	0.059	233.453	TRUE	2.92E-49
Non-allergic asthma	PTGIS	cg11746287	rs493694	T	C	0.216	0.023	0.473	1.50E-20	0.019	0.016	0.217	0.023	86.319	TRUE	1.63E-19
Non-allergic asthma	PTGIS	cg14630601	rs1875563	T	C	-0.148	0.023	0.456	2.52E-10	0.021	0.016	0.191	0.011	39.997	TRUE	1.02E-09
Non-allergic asthma	PTGIS	cg14630601	rs56382860	C	T	-0.760	0.046	0.071	2.62E-61	0.071	0.034	0.035	0.069	272.774	TRUE	3.30E-57
Non-allergic asthma	PTGIS	cg15543919	rs11908529	A	G	0.264	0.044	0.078	2.22E-09	0.084	0.033	0.011	0.010	35.749	TRUE	1.95E-08
Non-allergic asthma	PTGIS	cg15543919	rs493694	T	C	0.253	0.023	0.473	9.02E-28	0.019	0.016	0.217	0.031	119.231	TRUE	2.17E-26
Non-allergic asthma	PTGIS	cg19577548	rs56382860	C	T	-0.332	0.046	0.071	8.65E-13	0.071	0.034	0.035	0.014	51.100	TRUE	8.93E-12
Non-allergic asthma	PTPN2	cg13431464	rs12968719	A	G	0.212	0.036	0.119	5.84E-09	0.058	0.025	0.018	0.009	33.868	TRUE	4.23E-08
Non-allergic asthma	PTPN2	cg15873449	rs35954636	G	T	-0.409	0.036	0.119	6.92E-30	0.060	0.025	0.015	0.034	128.891	TRUE	1.07E-27
Non-allergic asthma	PYCARD	cg00327577	rs4889639	A	G	-0.147	0.025	0.331	3.88E-09	0.035	0.016	0.030	0.009	34.664	TRUE	2.53E-08
Non-allergic asthma	PYCARD	cg07461837	rs112766425	G	A	0.375	0.050	0.055	5.07E-14	-0.011	0.045	0.807	0.015	56.670	TRUE	1.15E-13
Non-allergic asthma	PYCARD	cg07461837	rs4889655	T	C	0.184	0.024	0.387	2.21E-14	-0.003	0.016	0.874	0.016	58.305	TRUE	4.72E-14
Non-allergic asthma	PYCARD	cg07461837	rs8056505	C	T	0.541	0.024	0.321	2.35E-108	0.038	0.016	0.020	0.117	488.737	TRUE	9.29E-100
Non-allergic asthma	PYCARD	cg07461837	rs9989432	T	C	-0.232	0.033	0.148	1.30E-12	-0.004	0.023	0.876	0.013	50.296	TRUE	2.49E-12
Non-allergic asthma	RB1	cg11408952	rs12866006	A	C	-0.517	0.086	0.042	2.23E-09	-0.004	0.043	0.929	0.010	35.746	TRUE	3.35E-09
Non-allergic asthma	RB1	cg11408952	rs190973047	A	T	-0.576	0.105	0.017	4.09E-08	-0.025	0.138	0.856	0.008	30.089	TRUE	6.14E-08
Non-allergic asthma	RB1	cg11408952	rs2897587	C	T	-0.579	0.074	0.031	5.02E-15	-0.016	0.077	0.835	0.016	61.219	TRUE	1.17E-14
Non-allergic asthma	RB1	cg11408952	rs3825417	G	A	-0.713	0.027	0.241	1.15E-158	-0.043	0.018	0.019	0.163	719.912	TRUE	5.52E-144
Non-allergic asthma	RB1	cg11408952	rs61973337	G	A	-0.629	0.081	0.042	9.25E-15	-0.109	0.077	0.159	0.016	60.017	TRUE	6.51E-14
Non-allergic asthma	RB1	cg11408952	rs9534988	A	G	-0.235	0.024	0.414	8.28E-23	-0.011	0.016	0.487	0.025	96.597	TRUE	6.09E-22

Non-allergic asthma	RB1	cg11408952	rs9568087	A	T	-0.157	0.026	0.284	2.04E-09	-0.001	0.017	0.960	0.010	35.913	TRUE	2.99E-09
Non-allergic asthma	RB1	cg11408952	rs9888528	C	G	-0.418	0.071	0.032	3.66E-09	-0.030	0.062	0.632	0.009	34.778	TRUE	7.22E-09
Non-allergic asthma	RB1	cg13431205	rs3825417	G	A	-0.164	0.028	0.241	3.51E-09	-0.043	0.018	0.019	0.009	34.861	TRUE	2.59E-08
Non-allergic asthma	RB1	cg24342013	rs141486407	T	C	-0.884	0.157	0.010	1.85E-08	-0.073	0.060	0.224	0.008	31.626	TRUE	5.76E-08
Non-allergic asthma	RB1	cg24342013	rs190973047	A	T	-0.648	0.105	0.017	6.38E-10	-0.025	0.138	0.856	0.010	38.181	TRUE	1.06E-09
Non-allergic asthma	RB1	cg24342013	rs2156910	C	T	-0.850	0.077	0.030	2.74E-28	-0.057	0.080	0.480	0.032	121.591	TRUE	3.48E-27
Non-allergic asthma	RB1	cg24342013	rs3825417	G	A	-0.712	0.027	0.241	9.21E-159	-0.043	0.018	0.019	0.163	720.357	TRUE	4.55E-144
Non-allergic asthma	RB1	cg24342013	rs4942759	G	T	0.242	0.036	0.119	2.14E-11	-0.005	0.022	0.834	0.012	44.810	TRUE	3.98E-11
Non-allergic asthma	RB1	cg24342013	rs527262191	G	C	-0.473	0.074	0.028	2.02E-10	-0.025	0.062	0.684	0.011	40.424	TRUE	4.12E-10
Non-allergic asthma	RB1	cg24342013	rs61973337	G	A	-0.563	0.081	0.042	3.84E-12	-0.109	0.077	0.159	0.013	48.176	TRUE	2.04E-11
Non-allergic asthma	RB1	cg24342013	rs7994141	T	C	-0.267	0.024	0.414	4.34E-29	-0.011	0.016	0.484	0.033	125.246	TRUE	5.92E-28
Non-allergic asthma	RB1	cg27182551	rs12866006	A	C	-0.507	0.086	0.042	4.70E-09	-0.004	0.043	0.929	0.009	34.293	TRUE	6.95E-09
Non-allergic asthma	RB1	cg27182551	rs3825417	G	A	-0.561	0.027	0.241	4.34E-95	-0.043	0.018	0.019	0.104	427.806	TRUE	7.73E-88
Non-allergic asthma	RB1	cg27182551	rs61973337	G	A	-0.464	0.081	0.042	1.20E-08	-0.109	0.077	0.159	0.009	32.473	TRUE	4.33E-08
Non-allergic asthma	RB1	cg27182551	rs7139763	C	T	-0.567	0.076	0.030	1.10E-13	-0.028	0.083	0.740	0.015	55.142	TRUE	2.64E-13
Non-allergic asthma	RB1	cg27182551	rs7329629	C	A	-0.179	0.024	0.414	8.60E-14	-0.011	0.016	0.477	0.015	55.634	TRUE	2.92E-13
Non-allergic asthma	RET	cg00248174	rs12764797	A	G	-0.216	0.039	0.098	3.57E-08	-0.011	0.027	0.677	0.008	30.354	TRUE	6.31E-08
Non-allergic asthma	RET	cg02045259	rs10900290	T	C	-0.207	0.030	0.181	4.22E-12	0.021	0.021	0.323	0.013	47.992	TRUE	1.58E-11
Non-allergic asthma	RET	cg02045259	rs148926546	G	C	-0.462	0.081	0.022	1.17E-08	-0.032	0.029	0.273	0.009	32.512	TRUE	3.43E-08
Non-allergic asthma	RET	cg02045259	rs2506006	A	G	-0.435	0.026	0.259	2.72E-61	-0.007	0.016	0.667	0.069	272.700	TRUE	1.29E-58
Non-allergic asthma	RET	cg02045259	rs3116708	C	T	0.160	0.023	0.468	4.83E-12	0.015	0.016	0.333	0.013	47.731	TRUE	1.76E-11
Non-allergic asthma	RET	cg02045259	rs7086299	T	C	0.211	0.031	0.178	5.04E-12	-0.032	0.019	0.097	0.013	47.646	TRUE	3.25E-11
Non-allergic asthma	RET	cg02188665	rs1832859	G	A	0.196	0.024	0.389	3.85E-16	0.020	0.017	0.234	0.018	66.278	TRUE	2.54E-15
Non-allergic asthma	RET	cg02188665	rs1864400	G	A	0.163	0.030	0.193	4.62E-08	0.037	0.020	0.058	0.008	29.852	TRUE	2.16E-07
Non-allergic asthma	RET	cg02188665	rs2505999	T	C	-0.493	0.023	0.399	7.00E-103	0.018	0.016	0.269	0.111	463.596	TRUE	3.36E-96
Non-allergic asthma	RET	cg02188665	rs3026748	G	C	-0.328	0.053	0.053	4.45E-10	-0.002	0.034	0.956	0.010	38.884	TRUE	6.77E-10
Non-allergic asthma	RET	cg02188665	rs3116709	A	G	-0.143	0.025	0.356	7.74E-09	0.013	0.016	0.434	0.009	33.322	TRUE	1.85E-08
Non-allergic asthma	RET	cg02188665	rs746995	C	T	-0.389	0.043	0.074	1.16E-19	0.007	0.031	0.824	0.022	82.273	TRUE	3.81E-19
Non-allergic asthma	RET	cg02188665	rs9665481	C	T	-0.230	0.037	0.109	5.99E-10	-0.041	0.025	0.099	0.010	38.302	TRUE	3.00E-09
Non-allergic asthma	RET	cg02188665	rs9787599	C	T	0.323	0.052	0.057	5.72E-10	-0.053	0.035	0.123	0.010	38.395	TRUE	2.65E-09
Non-allergic asthma	RET	cg02780029	rs10793446	C	T	0.199	0.026	0.289	2.70E-14	0.003	0.017	0.859	0.015	57.911	TRUE	5.84E-14
Non-allergic asthma	RET	cg02780029	rs10900284	A	T	0.163	0.030	0.197	4.85E-08	0.018	0.022	0.410	0.008	29.759	TRUE	1.12E-07
Non-allergic asthma	RET	cg02780029	rs111669406	A	G	0.883	0.136	0.011	7.88E-11	0.024	0.046	0.599	0.011	42.266	TRUE	1.81E-10
Non-allergic asthma	RET	cg02780029	rs115256112	A	T	-0.341	0.026	0.285	2.83E-39	0.009	0.021	0.649	0.044	171.822	TRUE	8.01E-38
Non-allergic asthma	RET	cg02780029	rs1255412	T	C	0.176	0.024	0.432	2.69E-13	-0.007	0.017	0.657	0.014	53.394	TRUE	6.92E-13
Non-allergic asthma	RET	cg02780029	rs12570505	G	T	-0.243	0.039	0.102	2.73E-10	-0.020	0.022	0.354	0.011	39.836	TRUE	8.23E-10
Non-allergic asthma	RET	cg02780029	rs143402854	T	C	0.943	0.087	0.019	1.78E-27	0.004	0.076	0.954	0.031	117.884	TRUE	8.91E-27
Non-allergic asthma	RET	cg02780029	rs146294863	A	G	0.896	0.129	0.013	3.68E-12	-0.111	0.109	0.311	0.013	48.264	TRUE	1.41E-11
Non-allergic asthma	RET	cg02780029	rs147767633	A	C	0.602	0.099	0.012	1.20E-09	0.069	0.112	0.536	0.010	36.941	TRUE	2.73E-09
Non-allergic asthma	RET	cg02780029	rs150638162	A	G	-0.310	0.035	0.121	1.53E-18	-0.001	0.022	0.970	0.020	77.176	TRUE	3.81E-18
Non-allergic asthma	RET	cg02780029	rs1864407	G	T	0.894	0.080	0.019	3.00E-29	0.042	0.042	0.316	0.033	125.983	TRUE	6.24E-28
Non-allergic asthma	RET	cg02780029	rs192952832	A	G	-0.315	0.041	0.088	1.34E-14	0.068	0.027	0.012	0.016	59.290	TRUE	2.51E-13

Non-allergic asthma	RET	cg02780029	rs2435343	G	T	-0.370	0.023	0.434	1.18E-58	-0.001	0.016	0.948	0.066	260.602	TRUE	1.89E-56
Non-allergic asthma	RET	cg02780029	rs2435355	C	T	-0.331	0.027	0.243	2.21E-35	-0.008	0.017	0.656	0.040	154.012	TRUE	4.03E-34
Non-allergic asthma	RET	cg02780029	rs2460537	T	C	0.255	0.028	0.241	4.07E-20	0.019	0.017	0.286	0.022	84.341	TRUE	3.53E-19
Non-allergic asthma	RET	cg02780029	rs2505646	G	A	-0.143	0.024	0.354	3.85E-09	0.019	0.017	0.253	0.009	34.677	TRUE	1.22E-08
Non-allergic asthma	RET	cg02780029	rs2900651	C	T	0.416	0.026	0.286	7.69E-58	0.035	0.018	0.051	0.065	256.874	TRUE	3.96E-54
Non-allergic asthma	RET	cg02780029	rs3026716	G	A	-0.312	0.026	0.271	9.44E-33	0.023	0.018	0.189	0.037	141.982	TRUE	4.51E-31
Non-allergic asthma	RET	cg02780029	rs3026750	G	A	1.219	0.019	0.233	<1E-200	0.040	0.018	0.031	0.530	4174.918	TRUE	<1E-200
Non-allergic asthma	RET	cg02780029	rs3121285	T	C	0.215	0.037	0.119	4.29E-09	-0.004	0.020	0.838	0.009	34.467	TRUE	6.92E-09
Non-allergic asthma	RET	cg02780029	rs58580576	T	A	0.464	0.038	0.100	1.37E-33	-0.006	0.025	0.815	0.038	145.807	TRUE	1.53E-32
Non-allergic asthma	RET	cg02780029	rs61845682	A	C	0.960	0.076	0.027	5.30E-37	0.070	0.053	0.190	0.042	161.418	TRUE	4.27E-35
Non-allergic asthma	RET	cg02780029	rs71505660	A	C	-0.215	0.028	0.227	1.06E-14	-0.026	0.021	0.214	0.016	59.755	TRUE	6.35E-14
Non-allergic asthma	RET	cg02780029	rs72779313	G	A	0.857	0.082	0.018	2.35E-25	0.041	0.059	0.488	0.028	108.206	TRUE	2.19E-24
Non-allergic asthma	RET	cg02780029	rs72781210	G	C	0.931	0.069	0.028	8.95E-42	0.044	0.044	0.322	0.047	183.262	TRUE	8.00E-40
Non-allergic asthma	RET	cg02780029	rs72783250	A	G	-0.356	0.039	0.099	4.83E-20	-0.036	0.024	0.128	0.022	84.001	TRUE	6.84E-19
Non-allergic asthma	RET	cg02780029	rs74326894	G	C	0.783	0.099	0.015	2.33E-15	0.116	0.048	0.016	0.017	62.731	TRUE	4.45E-14
Non-allergic asthma	RET	cg02780029	rs75202291	G	C	0.756	0.071	0.027	2.87E-26	-0.091	0.042	0.030	0.029	112.373	TRUE	1.90E-24
Non-allergic asthma	RET	cg02780029	rs805524	C	T	0.448	0.029	0.192	3.12E-52	0.018	0.022	0.417	0.059	231.162	TRUE	8.31E-50
Non-allergic asthma	RET	cg05652102	rs11238505	T	C	-0.151	0.026	0.273	6.25E-09	0.007	0.018	0.696	0.009	33.737	TRUE	1.14E-08
Non-allergic asthma	RET	cg05652102	rs1864406	T	A	-0.518	0.026	0.267	9.75E-90	0.009	0.019	0.627	0.098	403.238	TRUE	6.69E-85
Non-allergic asthma	RET	cg05652102	rs188900238	A	G	-0.386	0.063	0.036	9.39E-10	0.038	0.049	0.433	0.010	37.428	TRUE	2.42E-09
Non-allergic asthma	RET	cg05652102	rs3004214	C	T	0.185	0.028	0.214	6.20E-11	0.041	0.019	0.034	0.011	42.733	TRUE	5.02E-10
Non-allergic asthma	RET	cg05652102	rs3123729	T	C	-0.247	0.032	0.150	1.78E-14	-0.012	0.024	0.623	0.016	58.729	TRUE	5.23E-14
Non-allergic asthma	RET	cg05652102	rs75294120	T	C	-0.313	0.050	0.052	5.00E-10	-0.118	0.041	0.004	0.010	38.656	TRUE	6.10E-09
Non-allergic asthma	RET	cg05652102	rs947696	T	G	-0.180	0.028	0.223	2.42E-10	0.021	0.019	0.264	0.011	40.075	TRUE	8.46E-10
Non-allergic asthma	RET	cg06559368	rs1111873	A	G	0.259	0.029	0.199	1.20E-18	0.020	0.021	0.335	0.021	77.655	TRUE	8.07E-18
Non-allergic asthma	RET	cg06559368	rs113146990	A	C	0.484	0.067	0.033	4.17E-13	-0.044	0.046	0.339	0.014	52.533	TRUE	1.66E-12
Non-allergic asthma	RET	cg06559368	rs1833	A	C	0.315	0.041	0.086	1.05E-14	0.010	0.029	0.738	0.016	59.772	TRUE	2.70E-14
Non-allergic asthma	RET	cg06559368	rs187664317	A	G	0.505	0.084	0.021	1.63E-09	0.011	0.077	0.884	0.010	36.347	TRUE	2.59E-09
Non-allergic asthma	RET	cg06559368	rs1915140	T	C	0.142	0.025	0.366	6.60E-09	0.004	0.016	0.831	0.009	33.631	TRUE	1.06E-08
Non-allergic asthma	RET	cg06559368	rs2435337	G	C	0.280	0.030	0.186	2.01E-20	0.035	0.020	0.081	0.023	85.732	TRUE	3.79E-19
Non-allergic asthma	RET	cg06559368	rs2505999	T	C	-0.642	0.022	0.399	2.05E-180	0.018	0.016	0.269	0.181	819.884	TRUE	2.04E-164
Non-allergic asthma	RET	cg06559368	rs3026748	G	C	-0.364	0.053	0.053	4.81E-12	-0.002	0.034	0.956	0.013	47.738	TRUE	8.15E-12
Non-allergic asthma	RET	cg06559368	rs3026762	T	G	-0.396	0.047	0.070	2.04E-17	-0.017	0.028	0.535	0.019	72.070	TRUE	8.57E-17
Non-allergic asthma	RET	cg06559368	rs4379783	C	A	-0.215	0.025	0.296	2.47E-17	-0.008	0.017	0.651	0.019	71.692	TRUE	8.68E-17
Non-allergic asthma	RET	cg06559368	rs72781212	T	C	-0.374	0.051	0.052	2.95E-13	0.098	0.043	0.023	0.014	53.211	TRUE	3.76E-12
Non-allergic asthma	RET	cg06559368	rs72785248	C	A	-0.208	0.038	0.106	2.88E-08	0.037	0.025	0.144	0.008	30.769	TRUE	1.04E-07
Non-allergic asthma	RET	cg06559368	rs72787892	T	A	-0.255	0.044	0.080	5.77E-09	0.011	0.035	0.756	0.009	33.894	TRUE	9.95E-09
Non-allergic asthma	RET	cg06559368	rs787796	C	T	0.284	0.033	0.149	9.01E-18	-0.024	0.019	0.200	0.020	73.678	TRUE	7.72E-17
Non-allergic asthma	RET	cg06559368	rs7908559	T	C	-0.131	0.023	0.484	2.27E-08	-0.026	0.016	0.099	0.008	31.228	TRUE	9.39E-08
Non-allergic asthma	RET	cg06632098	rs10793446	C	T	0.152	0.026	0.289	6.48E-09	0.003	0.017	0.859	0.009	33.666	TRUE	1.01E-08
Non-allergic asthma	RET	cg06632098	rs10899795	A	C	-0.188	0.029	0.210	5.32E-11	0.052	0.017	0.003	0.011	43.031	TRUE	8.38E-10
Non-allergic asthma	RET	cg06632098	rs10900290	T	C	0.433	0.030	0.181	1.29E-47	0.021	0.021	0.323	0.054	210.014	TRUE	2.48E-45

Non-allergic asthma	RET	cg06632098	rs12355318	G	A	-0.238	0.043	0.082	4.24E-08	0.018	0.031	0.553	0.008	30.019	TRUE	8.40E-08
Non-allergic asthma	RET	cg06632098	rs12357104	T	C	0.838	0.094	0.016	3.21E-19	0.007	0.080	0.934	0.021	80.263	TRUE	8.78E-19
Non-allergic asthma	RET	cg06632098	rs142369611	A	G	0.694	0.083	0.020	5.62E-17	-0.139	0.052	0.007	0.019	70.069	TRUE	1.78E-15
Non-allergic asthma	RET	cg06632098	rs142760028	A	C	0.698	0.107	0.013	6.47E-11	0.050	0.073	0.488	0.011	42.648	TRUE	1.72E-10
Non-allergic asthma	RET	cg06632098	rs2075911	A	G	-0.351	0.031	0.176	2.40E-30	-0.032	0.019	0.097	0.034	130.993	TRUE	1.38E-28
Non-allergic asthma	RET	cg06632098	rs2435368	A	T	0.752	0.079	0.020	1.53E-21	0.041	0.042	0.325	0.024	90.822	TRUE	1.40E-20
Non-allergic asthma	RET	cg06632098	rs2488278	C	T	0.263	0.024	0.376	1.30E-27	-0.028	0.016	0.077	0.031	118.509	TRUE	6.10E-26
Non-allergic asthma	RET	cg06632098	rs2505891	G	A	-0.158	0.025	0.352	1.32E-10	0.009	0.017	0.590	0.011	41.253	TRUE	3.03E-10
Non-allergic asthma	RET	cg06632098	rs2506100	T	G	0.486	0.070	0.030	3.13E-12	0.022	0.054	0.684	0.013	48.578	TRUE	7.23E-12
Non-allergic asthma	RET	cg06632098	rs2742249	T	C	-0.308	0.024	0.392	3.60E-38	0.013	0.016	0.406	0.043	166.764	TRUE	1.61E-36
Non-allergic asthma	RET	cg06632098	rs2744069	C	T	-0.171	0.024	0.496	5.93E-13	0.020	0.016	0.204	0.014	51.843	TRUE	3.06E-12
Non-allergic asthma	RET	cg06632098	rs2999224	C	A	0.250	0.031	0.188	5.45E-16	-0.019	0.020	0.342	0.017	65.593	TRUE	2.81E-15
Non-allergic asthma	RET	cg06632098	rs3097563	G	T	-0.260	0.032	0.155	2.05E-16	-0.004	0.023	0.857	0.018	67.518	TRUE	5.12E-16
Non-allergic asthma	RET	cg06632098	rs4948706	G	A	-0.351	0.026	0.301	1.33E-42	0.015	0.019	0.449	0.048	187.054	TRUE	9.05E-41
Non-allergic asthma	RET	cg06632098	rs58580576	T	A	0.318	0.039	0.100	1.84E-16	-0.006	0.025	0.815	0.018	67.725	TRUE	4.88E-16
Non-allergic asthma	RET	cg06632098	rs59280825	G	A	-0.294	0.046	0.071	1.37E-10	-0.009	0.032	0.768	0.011	41.179	TRUE	2.59E-10
Non-allergic asthma	RET	cg06632098	rs61845265	C	T	0.732	0.068	0.032	5.50E-27	0.114	0.048	0.017	0.030	115.648	TRUE	5.19E-25
Non-allergic asthma	RET	cg06632098	rs61845676	G	C	0.318	0.037	0.112	3.13E-18	0.027	0.027	0.312	0.020	75.763	TRUE	2.12E-17
Non-allergic asthma	RET	cg06632098	rs61858988	A	G	0.527	0.065	0.036	4.15E-16	0.067	0.055	0.222	0.018	66.126	TRUE	2.82E-15
Non-allergic asthma	RET	cg06632098	rs6421747	A	G	-0.149	0.027	0.267	3.66E-08	0.016	0.021	0.429	0.008	30.307	TRUE	8.31E-08
Non-allergic asthma	RET	cg06632098	rs7068859	C	T	-0.165	0.025	0.357	1.93E-11	0.012	0.016	0.467	0.012	45.018	TRUE	5.48E-11
Non-allergic asthma	RET	cg06632098	rs7092603	C	T	1.035	0.022	0.253	<1E-200	-0.009	0.017	0.568	0.375	2220.066	TRUE	<1E-200
Non-allergic asthma	RET	cg06632098	rs746995	C	T	-0.285	0.043	0.074	3.52E-11	0.007	0.031	0.824	0.012	43.838	TRUE	6.52E-11
Non-allergic asthma	RET	cg06632098	rs74719285	G	A	0.830	0.072	0.028	8.87E-31	-0.030	0.027	0.267	0.035	132.966	TRUE	2.53E-29
Non-allergic asthma	RET	cg06632098	rs75294120	T	C	-0.296	0.051	0.052	4.47E-09	-0.118	0.041	0.004	0.009	34.387	TRUE	4.63E-08
Non-allergic asthma	RET	cg06632098	rs78146028	C	A	-0.301	0.038	0.108	1.36E-15	0.020	0.027	0.453	0.017	63.786	TRUE	5.59E-15
Non-allergic asthma	RET	cg06632098	rs788276	C	T	0.275	0.025	0.325	1.41E-28	-0.002	0.017	0.909	0.032	122.914	TRUE	8.34E-28
Non-allergic asthma	RET	cg06861892	rs10899787	A	G	0.373	0.030	0.190	3.20E-35	0.042	0.020	0.036	0.040	153.274	TRUE	6.55E-33
Non-allergic asthma	RET	cg06861892	rs12774199	T	A	-0.311	0.028	0.204	7.43E-28	0.008	0.021	0.709	0.031	119.617	TRUE	5.81E-27
Non-allergic asthma	RET	cg06861892	rs142369611	A	G	0.560	0.083	0.020	1.54E-11	-0.139	0.052	0.007	0.012	45.453	TRUE	2.13E-10
Non-allergic asthma	RET	cg06861892	rs147767633	A	C	-0.677	0.099	0.012	7.75E-12	0.069	0.112	0.536	0.012	46.802	TRUE	2.08E-11
Non-allergic asthma	RET	cg06861892	rs1833	A	C	0.398	0.041	0.086	1.05E-22	0.010	0.029	0.738	0.025	96.128	TRUE	4.99E-22
Non-allergic asthma	RET	cg06861892	rs187664317	A	G	0.546	0.084	0.021	6.49E-11	0.011	0.077	0.884	0.011	42.643	TRUE	1.11E-10
Non-allergic asthma	RET	cg06861892	rs2163189	C	T	0.158	0.025	0.331	4.72E-10	0.000	0.019	0.996	0.010	38.770	TRUE	6.90E-10
Non-allergic asthma	RET	cg06861892	rs2503842	A	G	0.184	0.025	0.367	6.43E-14	0.003	0.016	0.836	0.015	56.205	TRUE	1.40E-13
Non-allergic asthma	RET	cg06861892	rs2744064	C	T	0.492	0.080	0.020	6.52E-10	0.049	0.045	0.275	0.010	38.140	TRUE	2.14E-09
Non-allergic asthma	RET	cg06861892	rs2744078	T	C	-0.179	0.026	0.291	4.99E-12	0.007	0.019	0.724	0.013	47.667	TRUE	1.09E-11
Non-allergic asthma	RET	cg06861892	rs2795522	C	T	0.367	0.029	0.210	3.10E-37	0.020	0.021	0.337	0.042	162.486	TRUE	1.51E-35
Non-allergic asthma	RET	cg06861892	rs3026719	T	C	0.478	0.045	0.073	2.77E-26	-0.037	0.022	0.085	0.030	112.447	TRUE	1.04E-24
Non-allergic asthma	RET	cg06861892	rs3026748	G	C	-0.449	0.053	0.053	1.29E-17	-0.002	0.034	0.956	0.019	72.970	TRUE	3.08E-17
Non-allergic asthma	RET	cg06861892	rs3026762	T	G	-0.441	0.047	0.070	2.35E-21	-0.017	0.028	0.535	0.024	89.978	TRUE	1.39E-20
Non-allergic asthma	RET	cg06861892	rs371769939	G	T	0.554	0.065	0.034	2.37E-17	-0.044	0.046	0.339	0.019	71.768	TRUE	1.40E-16

Non-allergic asthma	RET	cg06861892	rs56246230	A	T	-0.272	0.034	0.133	8.78E-16	-0.006	0.022	0.790	0.017	64.652	TRUE	2.29E-15
Non-allergic asthma	RET	cg06861892	rs7087184	T	C	-0.205	0.029	0.186	3.73E-12	0.045	0.018	0.013	0.013	48.233	TRUE	4.80E-11
Non-allergic asthma	RET	cg06861892	rs72781212	T	C	-0.404	0.051	0.052	3.36E-15	0.098	0.043	0.023	0.016	62.012	TRUE	5.59E-14
Non-allergic asthma	RET	cg06861892	rs72783250	A	G	-0.249	0.039	0.099	1.55E-10	-0.036	0.024	0.128	0.011	40.947	TRUE	7.53E-10
Non-allergic asthma	RET	cg06861892	rs732610	G	C	-0.779	0.020	0.412	<1E-200	0.019	0.016	0.242	0.284	1468.530	TRUE	9.43E-280
Non-allergic asthma	RET	cg06861892	rs78980357	T	C	-0.462	0.068	0.032	1.15E-11	0.060	0.040	0.134	0.012	46.027	TRUE	6.25E-11
Non-allergic asthma	RET	cg06861892	rs7908559	T	C	-0.132	0.023	0.484	1.81E-08	-0.026	0.016	0.099	0.008	31.671	TRUE	7.57E-08
Non-allergic asthma	RET	cg11200635	rs10899787	A	G	0.201	0.030	0.190	2.62E-11	0.042	0.020	0.036	0.012	44.414	TRUE	2.20E-10
Non-allergic asthma	RET	cg11200635	rs1832859	G	A	0.135	0.024	0.389	1.87E-08	0.020	0.017	0.234	0.008	31.605	TRUE	5.73E-08
Non-allergic asthma	RET	cg11200635	rs2506017	C	T	-0.357	0.023	0.416	6.46E-54	0.013	0.016	0.420	0.061	238.884	TRUE	2.15E-51
Non-allergic asthma	RET	cg11200635	rs3026716	G	A	-0.172	0.026	0.271	4.87E-11	0.023	0.018	0.189	0.012	43.207	TRUE	2.13E-10
Non-allergic asthma	RET	cg11200635	rs788291	T	A	0.188	0.030	0.182	4.52E-10	-0.028	0.018	0.128	0.010	38.855	TRUE	2.09E-09
Non-allergic asthma	RET	cg13350140	rs12355318	G	A	-0.290	0.043	0.082	1.80E-11	0.018	0.031	0.553	0.012	45.149	TRUE	4.60E-11
Non-allergic asthma	RET	cg13350140	rs1833	A	C	0.272	0.040	0.086	1.77E-11	0.010	0.029	0.738	0.012	45.191	TRUE	3.65E-11
Non-allergic asthma	RET	cg13350140	rs1897002	A	G	-0.272	0.043	0.076	2.63E-10	0.011	0.036	0.753	0.011	39.909	TRUE	4.96E-10
Non-allergic asthma	RET	cg13350140	rs2503843	G	A	-0.135	0.024	0.388	1.42E-08	-0.039	0.016	0.014	0.009	32.144	TRUE	1.04E-07
Non-allergic asthma	RET	cg13350140	rs2505539	C	T	-0.482	0.023	0.423	5.62E-101	-0.002	0.016	0.889	0.110	454.848	TRUE	1.56E-95
Non-allergic asthma	RET	cg13350140	rs2744094	C	T	0.164	0.030	0.184	3.86E-08	-0.028	0.018	0.134	0.008	30.204	TRUE	1.40E-07
Non-allergic asthma	RET	cg13350140	rs3026707	G	A	0.167	0.028	0.227	1.52E-09	-0.026	0.021	0.218	0.010	36.490	TRUE	5.35E-09
Non-allergic asthma	RET	cg13350140	rs3026750	G	A	0.206	0.027	0.233	6.12E-14	0.040	0.018	0.031	0.015	56.303	TRUE	7.68E-13
Non-allergic asthma	RET	cg13869600	rs3026727	G	C	0.387	0.043	0.077	1.32E-19	0.005	0.036	0.898	0.022	82.022	TRUE	3.89E-19
Non-allergic asthma	RET	cg17127309	rs10899789	G	C	-0.170	0.029	0.188	6.23E-09	0.045	0.018	0.013	0.009	33.745	TRUE	4.92E-08
Non-allergic asthma	RET	cg17127309	rs10900290	T	C	0.223	0.030	0.181	1.16E-13	0.021	0.021	0.323	0.015	55.052	TRUE	4.99E-13
Non-allergic asthma	RET	cg17127309	rs12355318	G	A	-0.333	0.043	0.082	1.21E-14	0.018	0.031	0.553	0.016	59.481	TRUE	3.97E-14
Non-allergic asthma	RET	cg17127309	rs142883467	C	A	-0.389	0.067	0.035	5.55E-09	-0.053	0.041	0.200	0.009	33.967	TRUE	1.91E-08
Non-allergic asthma	RET	cg17127309	rs1897002	A	G	-0.367	0.043	0.076	1.50E-17	0.011	0.036	0.753	0.019	72.670	TRUE	4.66E-17
Non-allergic asthma	RET	cg17127309	rs1915140	T	C	0.139	0.024	0.366	1.52E-08	0.004	0.016	0.831	0.009	32.005	TRUE	2.39E-08
Non-allergic asthma	RET	cg17127309	rs2472740	T	C	-0.629	0.022	0.422	8.05E-177	-0.002	0.016	0.880	0.178	803.366	TRUE	1.06E-162
Non-allergic asthma	RET	cg17127309	rs2742240	A	T	0.263	0.030	0.192	8.55E-19	0.036	0.020	0.063	0.021	78.328	TRUE	1.50E-17
Non-allergic asthma	RET	cg17127309	rs2742249	T	C	-0.217	0.024	0.392	1.08E-19	0.013	0.016	0.406	0.022	82.419	TRUE	6.91E-19
Non-allergic asthma	RET	cg17127309	rs2744081	A	C	0.257	0.047	0.066	4.40E-08	-0.010	0.032	0.760	0.008	29.947	TRUE	7.17E-08
Non-allergic asthma	RET	cg17127309	rs3026719	T	C	0.329	0.045	0.073	3.10E-13	-0.037	0.022	0.085	0.014	53.118	TRUE	2.43E-12
Non-allergic asthma	RET	cg17127309	rs3026757	C	G	0.339	0.045	0.074	4.15E-14	-0.014	0.040	0.732	0.015	57.064	TRUE	1.03E-13
Non-allergic asthma	RET	cg17127309	rs72781212	T	C	-0.350	0.051	0.052	8.12E-12	0.098	0.043	0.023	0.012	46.712	TRUE	8.44E-11
Non-allergic asthma	RET	cg17127309	rs72781232	A	G	0.235	0.041	0.085	7.49E-09	0.026	0.026	0.322	0.009	33.384	TRUE	2.07E-08
Non-allergic asthma	RET	cg17127309	rs72783250	A	G	-0.287	0.039	0.099	1.24E-13	-0.036	0.024	0.128	0.015	54.911	TRUE	8.57E-13
Non-allergic asthma	RET	cg17127309	rs746995	C	T	-0.306	0.043	0.074	8.47E-13	0.007	0.031	0.824	0.014	51.143	TRUE	1.73E-12
Non-allergic asthma	RET	cg17127309	rs78427406	C	T	-0.234	0.038	0.105	4.99E-10	0.017	0.023	0.462	0.010	38.659	TRUE	1.27E-09
Non-allergic asthma	RET	cg23042076	rs2506013	A	G	0.229	0.023	0.399	9.96E-23	0.018	0.016	0.257	0.025	96.230	TRUE	1.22E-21
Non-allergic asthma	RET	cg23758158	rs1857168	T	C	-0.225	0.029	0.210	7.35E-15	0.021	0.021	0.335	0.016	60.470	TRUE	3.46E-14
Non-allergic asthma	RET	cg23758158	rs2505512	G	A	-0.317	0.027	0.233	6.29E-31	0.040	0.018	0.028	0.035	133.647	TRUE	8.12E-29
Non-allergic asthma	RET	cg23758158	rs2506022	T	C	0.197	0.023	0.433	1.87E-17	-0.001	0.016	0.973	0.019	72.240	TRUE	4.31E-17

Non-allergic asthma	RET	cg23758158	rs2900651	C	T	-0.148	0.026	0.286	2.01E-08	0.035	0.018	0.051	0.008	31.464	TRUE	1.02E-07
Non-allergic asthma	RET	cg23758158	rs75202291	G	C	-0.464	0.072	0.027	9.30E-11	-0.091	0.042	0.030	0.011	41.940	TRUE	7.68E-10
Non-allergic asthma	RET	cg25604082	rs2503850	A	G	-0.168	0.025	0.326	1.97E-11	0.018	0.018	0.323	0.012	44.978	TRUE	6.90E-11
Non-allergic asthma	RET	cg25604082	rs2506021	T	C	-0.159	0.023	0.427	9.28E-12	0.014	0.016	0.372	0.012	46.450	TRUE	3.10E-11
Non-allergic asthma	RET	cg25604082	rs2801953	A	C	-0.232	0.041	0.086	1.97E-08	0.035	0.028	0.212	0.008	31.507	TRUE	6.25E-08
Non-allergic asthma	RET	cg25604082	rs4949043	G	C	-0.235	0.029	0.200	3.14E-16	0.007	0.021	0.720	0.018	66.675	TRUE	9.25E-16
Non-allergic asthma	RET	cg25604082	rs72779313	G	A	-0.488	0.083	0.018	3.41E-09	0.041	0.059	0.488	0.009	34.913	TRUE	7.88E-09
Non-allergic asthma	RET	cg25604082	rs72781234	A	G	-1.409	0.062	0.030	5.17E-113	0.030	0.043	0.480	0.121	510.133	TRUE	8.70E-106
Non-allergic asthma	RET	cg25604082	rs76467858	T	C	-0.640	0.104	0.024	7.08E-10	-0.017	0.047	0.727	0.010	37.977	TRUE	1.33E-09
Non-allergic asthma	RPTOR	cg00143364	rs7218924	T	C	-0.155	0.024	0.429	7.82E-11	0.014	0.016	0.361	0.011	42.279	TRUE	2.45E-10
Non-allergic asthma	RPTOR	cg00143364	rs79155262	T	C	-0.367	0.041	0.090	3.48E-19	0.001	0.031	0.963	0.021	80.104	TRUE	9.12E-19
Non-allergic asthma	RPTOR	cg00463485	rs4969444	A	G	-0.305	0.031	0.184	2.05E-23	0.011	0.019	0.561	0.026	99.360	TRUE	1.39E-22
Non-allergic asthma	RPTOR	cg00523683	rs117209908	A	G	0.318	0.050	0.059	2.35E-10	0.033	0.036	0.364	0.011	40.126	TRUE	7.03E-10
Non-allergic asthma	RPTOR	cg00523683	rs4969266	T	C	-0.208	0.028	0.234	5.62E-14	0.018	0.018	0.296	0.015	56.471	TRUE	2.62E-13
Non-allergic asthma	RPTOR	cg00523683	rs67583258	T	C	0.337	0.027	0.249	2.07E-35	0.016	0.017	0.352	0.040	154.142	TRUE	7.79E-34
Non-allergic asthma	RPTOR	cg00704970	rs11150747	T	C	0.151	0.027	0.249	3.65E-08	0.010	0.019	0.606	0.008	30.311	TRUE	6.88E-08
Non-allergic asthma	RPTOR	cg00704970	rs113473934	C	G	0.198	0.024	0.391	1.32E-16	0.010	0.017	0.546	0.018	68.382	TRUE	5.11E-16
Non-allergic asthma	RPTOR	cg00704970	rs11656061	A	G	-0.478	0.023	0.436	6.20E-94	0.006	0.016	0.732	0.103	422.505	TRUE	6.86E-89
Non-allergic asthma	RPTOR	cg00704970	rs12952861	A	G	0.439	0.029	0.202	2.58E-52	-0.030	0.021	0.148	0.059	231.546	TRUE	2.17E-49
Non-allergic asthma	RPTOR	cg00704970	rs13341621	A	G	0.404	0.050	0.080	5.93E-16	0.027	0.033	0.419	0.017	65.424	TRUE	2.66E-15
Non-allergic asthma	RPTOR	cg00704970	rs149099062	A	G	1.076	0.139	0.015	1.19E-14	0.096	0.106	0.368	0.016	59.513	TRUE	5.20E-14
Non-allergic asthma	RPTOR	cg00704970	rs2289763	G	C	1.252	0.031	0.119	<1E-200	0.022	0.025	0.385	0.302	1603.701	TRUE	3.81E-303
Non-allergic asthma	RPTOR	cg00704970	rs56273414	C	T	0.269	0.033	0.146	4.98E-16	-0.020	0.021	0.330	0.017	65.767	TRUE	2.64E-15
Non-allergic asthma	RPTOR	cg00704970	rs56859058	G	T	0.292	0.048	0.071	9.39E-10	-0.029	0.037	0.435	0.010	37.427	TRUE	2.42E-09
Non-allergic asthma	RPTOR	cg00704970	rs62068487	A	G	-0.359	0.025	0.319	1.09E-46	-0.006	0.017	0.723	0.053	205.763	TRUE	6.26E-45
Non-allergic asthma	RPTOR	cg00704970	rs7225916	G	T	0.156	0.026	0.272	3.41E-09	0.000	0.018	0.987	0.009	34.916	TRUE	4.82E-09
Non-allergic asthma	RPTOR	cg00704970	rs72852923	T	C	0.307	0.050	0.068	8.10E-10	-0.021	0.033	0.524	0.010	37.715	TRUE	1.88E-09
Non-allergic asthma	RPTOR	cg00704970	rs72853711	C	T	0.266	0.037	0.115	5.17E-13	0.003	0.026	0.921	0.014	52.111	TRUE	9.62E-13
Non-allergic asthma	RPTOR	cg00704970	rs72857988	T	C	0.600	0.050	0.050	1.88E-33	0.004	0.027	0.869	0.038	145.184	TRUE	1.87E-32
Non-allergic asthma	RPTOR	cg00704970	rs8073904	G	A	0.190	0.033	0.141	9.93E-09	-0.031	0.023	0.164	0.009	32.838	TRUE	3.59E-08
Non-allergic asthma	RPTOR	cg01432609	rs62068339	G	T	0.257	0.041	0.092	3.12E-10	0.002	0.032	0.961	0.011	39.578	TRUE	4.76E-10
Non-allergic asthma	RPTOR	cg01464730	rs10468605	C	T	0.806	0.021	0.407	<1E-200	-0.017	0.016	0.305	0.288	1494.937	TRUE	1.64E-284
Non-allergic asthma	RPTOR	cg01464730	rs11652074	A	G	-0.213	0.037	0.117	8.99E-09	0.002	0.021	0.921	0.009	33.031	TRUE	1.32E-08
Non-allergic asthma	RPTOR	cg01464730	rs11653338	T	C	-0.143	0.024	0.495	1.43E-09	0.006	0.016	0.706	0.010	36.607	TRUE	2.70E-09
Non-allergic asthma	RPTOR	cg01464730	rs117209908	A	G	0.489	0.050	0.059	2.89E-22	0.033	0.036	0.364	0.025	94.121	TRUE	2.59E-21
Non-allergic asthma	RPTOR	cg01464730	rs118003029	A	G	-0.350	0.055	0.089	1.64E-10	0.035	0.031	0.266	0.011	40.831	TRUE	5.82E-10
Non-allergic asthma	RPTOR	cg01464730	rs139980334	C	T	0.460	0.047	0.065	1.20E-22	-0.019	0.034	0.565	0.025	95.856	TRUE	7.57E-22
Non-allergic asthma	RPTOR	cg01464730	rs35904260	G	A	-0.274	0.023	0.445	8.41E-32	0.005	0.016	0.742	0.036	137.640	TRUE	9.02E-31
Non-allergic asthma	RPTOR	cg01464730	rs55903842	A	G	0.398	0.051	0.059	8.52E-15	-0.030	0.043	0.490	0.016	60.179	TRUE	3.09E-14
Non-allergic asthma	RPTOR	cg01464730	rs60720478	T	C	0.499	0.053	0.046	9.22E-21	0.004	0.047	0.926	0.023	87.276	TRUE	2.85E-20
Non-allergic asthma	RPTOR	cg01464730	rs62070200	A	G	-0.141	0.026	0.277	3.51E-08	-0.002	0.019	0.930	0.008	30.386	TRUE	4.96E-08
Non-allergic asthma	RPTOR	cg01464730	rs72856013	A	G	-0.358	0.036	0.120	2.06E-23	-0.018	0.022	0.399	0.026	99.346	TRUE	1.92E-22

Non-allergic asthma	RPTOR	cg01464730	rs77591050	T	C	0.498	0.045	0.077	1.33E-28	-0.001	0.025	0.961	0.032	123.031	TRUE	7.23E-28
Non-allergic asthma	RPTOR	cg01464730	rs9897608	T	C	-0.256	0.025	0.346	1.74E-25	0.013	0.016	0.411	0.029	108.808	TRUE	1.93E-24
Non-allergic asthma	RPTOR	cg01476242	rs4969443	G	A	-0.252	0.031	0.184	1.40E-16	0.011	0.019	0.549	0.018	68.267	TRUE	5.39E-16
Non-allergic asthma	RPTOR	cg01498832	rs34177980	T	C	0.233	0.030	0.199	3.12E-15	-0.030	0.024	0.211	0.017	62.158	TRUE	1.99E-14
Non-allergic asthma	RPTOR	cg01498832	rs6565476	T	C	-0.296	0.029	0.220	3.35E-25	0.005	0.018	0.800	0.028	107.506	TRUE	1.78E-24
Non-allergic asthma	RPTOR	cg01516792	rs11150741	G	A	0.367	0.025	0.366	4.54E-50	0.005	0.016	0.746	0.056	221.253	TRUE	3.77E-48
Non-allergic asthma	RPTOR	cg01516792	rs117209908	A	G	0.338	0.050	0.059	2.04E-11	0.033	0.036	0.364	0.012	44.906	TRUE	6.70E-11
Non-allergic asthma	RPTOR	cg01516792	rs118182693	G	A	-0.375	0.057	0.042	3.78E-11	-0.016	0.040	0.691	0.012	43.702	TRUE	8.03E-11
Non-allergic asthma	RPTOR	cg01516792	rs11870398	T	C	-0.195	0.024	0.387	9.07E-16	0.009	0.016	0.591	0.017	64.588	TRUE	3.07E-15
Non-allergic asthma	RPTOR	cg01516792	rs144443274	T	C	0.179	0.031	0.178	6.10E-09	0.007	0.022	0.751	0.009	33.783	TRUE	1.06E-08
Non-allergic asthma	RPTOR	cg01516792	rs8073414	G	A	-0.172	0.025	0.353	4.97E-12	0.014	0.016	0.372	0.013	47.674	TRUE	1.70E-11
Non-allergic asthma	RPTOR	cg01516792	rs9915667	A	G	-0.187	0.024	0.438	1.68E-15	-0.024	0.016	0.138	0.017	63.371	TRUE	1.38E-14
Non-allergic asthma	RPTOR	cg01561259	rs117736066	G	A	-0.305	0.041	0.088	1.55E-13	0.018	0.033	0.590	0.015	54.473	TRUE	4.43E-13
Non-allergic asthma	RPTOR	cg01561259	rs12185227	G	C	0.142	0.024	0.390	2.96E-09	-0.002	0.016	0.913	0.009	35.188	TRUE	4.50E-09
Non-allergic asthma	RPTOR	cg01561259	rs146289225	T	C	0.478	0.073	0.057	6.13E-11	-0.019	0.033	0.558	0.011	42.756	TRUE	1.49E-10
Non-allergic asthma	RPTOR	cg01561259	rs201407779	A	G	-0.421	0.041	0.090	7.34E-25	-0.004	0.031	0.900	0.028	105.952	TRUE	3.23E-24
Non-allergic asthma	RPTOR	cg01561259	rs3829572	G	A	-0.143	0.024	0.389	4.28E-09	-0.017	0.017	0.301	0.009	34.472	TRUE	1.25E-08
Non-allergic asthma	RPTOR	cg01561259	rs4396581	T	C	0.306	0.023	0.491	6.18E-39	0.003	0.016	0.827	0.044	170.268	TRUE	1.16E-37
Non-allergic asthma	RPTOR	cg01561259	rs62070201	A	G	0.316	0.044	0.069	4.97E-13	-0.050	0.033	0.135	0.014	52.187	TRUE	3.13E-12
Non-allergic asthma	RPTOR	cg01561259	rs7221014	T	C	0.386	0.024	0.382	1.47E-58	0.002	0.016	0.896	0.066	260.167	TRUE	2.63E-56
Non-allergic asthma	RPTOR	cg01561259	rs72853711	C	T	-0.255	0.037	0.115	4.83E-12	0.003	0.026	0.921	0.013	47.730	TRUE	8.49E-12
Non-allergic asthma	RPTOR	cg01886663	rs7210742	A	G	0.143	0.023	0.444	1.01E-09	0.009	0.016	0.568	0.010	37.293	TRUE	2.21E-09
Non-allergic asthma	RPTOR	cg01886663	rs8064817	T	C	-0.315	0.032	0.168	3.20E-23	0.013	0.022	0.561	0.026	98.478	TRUE	2.13E-22
Non-allergic asthma	RPTOR	cg01911440	rs114387751	T	C	0.259	0.043	0.081	2.54E-09	-0.005	0.025	0.840	0.010	35.488	TRUE	4.14E-09
Non-allergic asthma	RPTOR	cg02033669	rs1468033	G	A	0.181	0.023	0.437	4.41E-15	0.016	0.016	0.326	0.016	61.473	TRUE	2.16E-14
Non-allergic asthma	RPTOR	cg02185248	rs117117100	A	G	0.505	0.075	0.024	2.28E-11	0.021	0.034	0.525	0.012	44.694	TRUE	5.96E-11
Non-allergic asthma	RPTOR	cg02185248	rs117209908	A	G	0.539	0.050	0.059	7.01E-27	0.033	0.036	0.364	0.030	115.168	TRUE	1.00E-25
Non-allergic asthma	RPTOR	cg02185248	rs12452137	G	A	0.726	0.026	0.249	1.85E-169	0.016	0.017	0.346	0.172	769.529	TRUE	3.14E-155
Non-allergic asthma	RPTOR	cg02185248	rs139062305	A	G	-0.346	0.052	0.063	2.31E-11	-0.014	0.042	0.728	0.012	44.668	TRUE	4.78E-11
Non-allergic asthma	RPTOR	cg02185248	rs2873061	A	G	-0.319	0.024	0.367	6.46E-40	0.020	0.016	0.222	0.045	174.754	TRUE	6.58E-38
Non-allergic asthma	RPTOR	cg02185248	rs35832855	C	T	0.136	0.024	0.436	9.56E-09	0.033	0.016	0.035	0.009	32.911	TRUE	5.65E-08
Non-allergic asthma	RPTOR	cg02185248	rs4969429	A	G	0.274	0.026	0.273	1.76E-25	-0.002	0.018	0.900	0.029	108.780	TRUE	8.16E-25
Non-allergic asthma	RPTOR	cg02185248	rs56195589	C	T	0.390	0.051	0.134	1.75E-14	-0.001	0.022	0.957	0.016	58.763	TRUE	3.42E-14
Non-allergic asthma	RPTOR	cg02185248	rs62067893	T	C	0.574	0.069	0.037	1.31E-16	-0.023	0.048	0.632	0.018	68.398	TRUE	4.48E-16
Non-allergic asthma	RPTOR	cg02185248	rs6565695	T	C	-0.160	0.024	0.386	3.48E-11	0.008	0.016	0.599	0.012	43.863	TRUE	8.23E-11
Non-allergic asthma	RPTOR	cg02185248	rs72853735	G	A	0.331	0.036	0.118	5.00E-20	-0.017	0.022	0.431	0.022	83.935	TRUE	3.16E-19
Non-allergic asthma	RPTOR	cg02240665	rs11150746	G	A	-0.136	0.025	0.332	4.21E-08	0.018	0.016	0.285	0.008	30.032	TRUE	1.15E-07
Non-allergic asthma	RPTOR	cg02240665	rs7211095	T	G	-0.203	0.024	0.456	6.34E-18	0.000	0.016	0.988	0.020	74.371	TRUE	1.48E-17
Non-allergic asthma	RPTOR	cg02243479	rs2289762	A	G	-0.333	0.026	0.245	1.95E-36	-0.004	0.019	0.838	0.041	158.831	TRUE	2.77E-35
Non-allergic asthma	RPTOR	cg02243479	rs2289764	C	T	0.156	0.027	0.241	1.16E-08	0.010	0.018	0.572	0.009	32.537	TRUE	2.35E-08
Non-allergic asthma	RPTOR	cg02251850	rs117763980	T	C	0.319	0.055	0.043	6.30E-09	-0.001	0.041	0.971	0.009	33.722	TRUE	8.92E-09
Non-allergic asthma	RPTOR	cg02251850	rs2289762	A	G	0.573	0.026	0.245	3.66E-107	-0.004	0.019	0.838	0.116	483.260	TRUE	4.45E-101

Non-allergic asthma	RPTOR	cg02251850	rs62068460	T	C	-0.462	0.027	0.231	1.72E-63	-0.014	0.018	0.432	0.071	282.790	TRUE	2.30E-60
Non-allergic asthma	RPTOR	cg02251850	rs7207052	T	C	0.240	0.043	0.196	1.89E-08	0.009	0.020	0.644	0.008	31.586	TRUE	3.51E-08
Non-allergic asthma	RPTOR	cg02254800	rs77734083	A	G	0.830	0.089	0.018	1.51E-20	-0.054	0.047	0.255	0.023	86.305	TRUE	1.48E-19
Non-allergic asthma	RPTOR	cg02284802	rs2589156	A	G	0.200	0.034	0.138	6.62E-09	-0.024	0.027	0.365	0.009	33.625	TRUE	1.73E-08
Non-allergic asthma	RPTOR	cg02403929	rs8082382	C	T	-0.133	0.024	0.420	2.53E-08	0.021	0.016	0.172	0.008	31.022	TRUE	8.59E-08
Non-allergic asthma	RPTOR	cg02671711	rs9899051	A	G	-0.242	0.024	0.464	8.88E-25	0.033	0.016	0.036	0.028	105.575	TRUE	4.37E-23
Non-allergic asthma	RPTOR	cg02675920	rs117429647	G	A	0.339	0.061	0.039	2.89E-08	0.039	0.041	0.341	0.008	30.765	TRUE	7.38E-08
Non-allergic asthma	RPTOR	cg02675920	rs12943620	T	G	-0.257	0.027	0.225	3.23E-21	0.010	0.020	0.618	0.024	89.347	TRUE	1.64E-20
Non-allergic asthma	RPTOR	cg02675920	rs28742979	G	A	-0.185	0.027	0.262	8.82E-12	-0.020	0.020	0.308	0.012	46.548	TRUE	3.28E-11
Non-allergic asthma	RPTOR	cg02675920	rs62069371	T	C	-0.859	0.041	0.084	7.96E-97	-0.012	0.032	0.708	0.105	435.785	TRUE	1.70E-91
Non-allergic asthma	RPTOR	cg02675920	rs7207154	C	T	0.352	0.052	0.131	8.82E-12	-0.005	0.023	0.841	0.012	46.550	TRUE	1.66E-11
Non-allergic asthma	RPTOR	cg02675920	rs7208789	T	C	0.330	0.039	0.107	2.06E-17	-0.049	0.031	0.112	0.019	72.049	TRUE	2.31E-16
Non-allergic asthma	RPTOR	cg02675920	rs7209132	C	T	0.534	0.024	0.365	3.92E-108	0.004	0.016	0.789	0.116	487.715	TRUE	6.94E-102
Non-allergic asthma	RPTOR	cg02675920	rs72853735	G	A	0.251	0.036	0.118	4.37E-12	-0.017	0.022	0.431	0.013	47.925	TRUE	1.38E-11
Non-allergic asthma	RPTOR	cg02675920	rs74003912	A	G	0.168	0.030	0.199	1.35E-08	-0.004	0.022	0.872	0.009	32.248	TRUE	2.04E-08
Non-allergic asthma	RPTOR	cg02675920	rs9902224	G	A	0.224	0.024	0.480	1.71E-21	0.004	0.016	0.812	0.024	90.604	TRUE	6.60E-21
Non-allergic asthma	RPTOR	cg02878831	rs11868966	C	A	-0.270	0.032	0.167	2.25E-17	0.005	0.021	0.802	0.019	71.872	TRUE	6.46E-17
Non-allergic asthma	RPTOR	cg02878831	rs4969306	C	T	0.150	0.025	0.317	2.32E-09	-0.012	0.017	0.462	0.010	35.661	TRUE	5.61E-09
Non-allergic asthma	RPTOR	cg03052541	rs2271610	G	C	0.235	0.033	0.135	1.27E-12	0.034	0.022	0.120	0.013	50.351	TRUE	8.05E-12
Non-allergic asthma	RPTOR	cg03052541	rs6565502	G	A	-0.379	0.024	0.394	2.01E-57	0.029	0.016	0.072	0.064	254.959	TRUE	7.27E-54
Non-allergic asthma	RPTOR	cg03052541	rs868432	A	G	-0.172	0.023	0.444	8.35E-14	-0.001	0.016	0.971	0.015	55.691	TRUE	1.54E-13
Non-allergic asthma	RPTOR	cg03443590	rs10468605	C	T	0.865	0.019	0.407	<1E-200	-0.017	0.016	0.305	0.351	2002.666	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg03443590	rs113059224	A	G	-0.444	0.043	0.070	4.02E-25	0.013	0.027	0.613	0.028	107.142	TRUE	2.91E-24
Non-allergic asthma	RPTOR	cg03443590	rs11651724	A	G	-0.279	0.037	0.117	4.75E-14	0.002	0.021	0.939	0.015	56.798	TRUE	9.24E-14
Non-allergic asthma	RPTOR	cg03443590	rs11653338	T	C	-0.216	0.024	0.495	3.65E-20	0.006	0.016	0.706	0.022	84.557	TRUE	1.48E-19
Non-allergic asthma	RPTOR	cg03443590	rs117209908	A	G	0.422	0.050	0.059	5.39E-17	0.033	0.036	0.364	0.019	70.150	TRUE	2.93E-16
Non-allergic asthma	RPTOR	cg03443590	rs2340773	T	C	-0.224	0.037	0.116	2.02E-09	-0.028	0.028	0.316	0.010	35.933	TRUE	5.95E-09
Non-allergic asthma	RPTOR	cg03443590	rs35904260	G	A	-0.403	0.023	0.445	1.87E-68	0.005	0.016	0.742	0.076	305.556	TRUE	2.15E-65
Non-allergic asthma	RPTOR	cg03443590	rs56043926	A	G	0.568	0.053	0.046	1.93E-26	0.004	0.047	0.929	0.030	113.157	TRUE	9.24E-26
Non-allergic asthma	RPTOR	cg03443590	rs62068299	G	A	0.459	0.041	0.091	2.04E-29	0.002	0.031	0.945	0.033	126.744	TRUE	1.22E-28
Non-allergic asthma	RPTOR	cg03443590	rs62069420	A	T	0.404	0.052	0.058	5.52E-15	-0.035	0.043	0.411	0.016	61.034	TRUE	2.30E-14
Non-allergic asthma	RPTOR	cg03443590	rs72856013	A	G	-0.450	0.036	0.120	3.01E-36	-0.018	0.022	0.399	0.041	157.973	TRUE	1.10E-34
Non-allergic asthma	RPTOR	cg03443590	rs77591050	T	C	0.558	0.045	0.077	1.36E-35	-0.001	0.025	0.961	0.040	154.979	TRUE	1.40E-34
Non-allergic asthma	RPTOR	cg03443590	rs78230659	G	A	-0.142	0.025	0.324	1.25E-08	-0.029	0.018	0.097	0.009	32.387	TRUE	5.37E-08
Non-allergic asthma	RPTOR	cg03502601	rs113473934	C	G	0.204	0.024	0.391	1.36E-17	0.010	0.017	0.546	0.019	72.872	TRUE	5.69E-17
Non-allergic asthma	RPTOR	cg03502601	rs11656246	A	G	-0.356	0.027	0.241	6.48E-41	0.003	0.019	0.891	0.046	179.325	TRUE	1.33E-39
Non-allergic asthma	RPTOR	cg03502601	rs12948647	A	G	0.284	0.046	0.125	4.87E-10	-0.002	0.023	0.944	0.010	38.709	TRUE	7.48E-10
Non-allergic asthma	RPTOR	cg03502601	rs12952861	A	G	0.445	0.029	0.202	1.26E-53	-0.030	0.021	0.148	0.060	237.551	TRUE	1.30E-50
Non-allergic asthma	RPTOR	cg03502601	rs13341621	A	G	0.417	0.050	0.080	6.47E-17	0.027	0.033	0.419	0.019	69.789	TRUE	3.16E-16
Non-allergic asthma	RPTOR	cg03502601	rs149099062	A	G	1.045	0.139	0.015	6.65E-14	0.096	0.106	0.368	0.015	56.138	TRUE	2.71E-13
Non-allergic asthma	RPTOR	cg03502601	rs2289764	C	T	1.143	0.020	0.241	<1E-200	0.010	0.018	0.572	0.469	3272.956	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg03502601	rs56273414	C	T	0.238	0.033	0.146	7.30E-13	-0.020	0.021	0.330	0.014	51.434	TRUE	2.89E-12

Non-allergic asthma	RPTOR	cg03502601	rs62067893	T	C	0.393	0.070	0.037	1.65E-08	-0.023	0.048	0.632	0.009	31.852	TRUE	3.11E-08
Non-allergic asthma	RPTOR	cg03502601	rs62068487	A	G	-0.342	0.025	0.319	2.59E-42	-0.006	0.017	0.723	0.048	185.725	TRUE	8.83E-41
Non-allergic asthma	RPTOR	cg03502601	rs7217223	T	C	0.169	0.026	0.297	6.69E-11	0.002	0.017	0.912	0.011	42.583	TRUE	1.11E-10
Non-allergic asthma	RPTOR	cg03502601	rs72852923	T	C	0.310	0.050	0.068	5.81E-10	-0.021	0.033	0.524	0.010	38.364	TRUE	1.37E-09
Non-allergic asthma	RPTOR	cg03502601	rs72859646	T	C	0.645	0.068	0.026	2.96E-21	0.025	0.035	0.475	0.024	89.521	TRUE	1.93E-20
Non-allergic asthma	RPTOR	cg03502601	rs77183052	A	G	1.147	0.170	0.012	1.39E-11	0.036	0.036	0.326	0.012	45.658	TRUE	4.92E-11
Non-allergic asthma	RPTOR	cg03502601	rs908235	A	G	-0.199	0.031	0.191	8.73E-11	-0.013	0.019	0.487	0.011	42.065	TRUE	2.29E-10
Non-allergic asthma	RPTOR	cg03513049	rs112356065	G	T	0.177	0.028	0.224	3.83E-10	-0.002	0.021	0.935	0.010	39.174	TRUE	5.98E-10
Non-allergic asthma	RPTOR	cg03513049	rs1131609	A	G	-0.251	0.027	0.243	4.09E-21	0.012	0.020	0.528	0.023	88.884	TRUE	2.39E-20
Non-allergic asthma	RPTOR	cg03513049	rs2291360	A	G	0.222	0.025	0.367	3.44E-19	0.004	0.016	0.787	0.021	80.125	TRUE	1.15E-18
Non-allergic asthma	RPTOR	cg03513049	rs28742979	G	A	-0.245	0.027	0.262	1.34E-19	-0.020	0.020	0.308	0.022	81.989	TRUE	1.05E-18
Non-allergic asthma	RPTOR	cg03513049	rs58691767	T	C	-1.137	0.040	0.084	7.76E-178	-0.013	0.032	0.699	0.179	808.036	TRUE	3.07E-163
Non-allergic asthma	RPTOR	cg03513049	rs9890103	C	G	-0.176	0.024	0.353	6.50E-13	0.002	0.016	0.915	0.014	51.663	TRUE	1.21E-12
Non-allergic asthma	RPTOR	cg03513049	rs9895714	C	A	0.229	0.023	0.426	5.87E-23	-0.016	0.016	0.335	0.026	97.277	TRUE	6.01E-22
Non-allergic asthma	RPTOR	cg03533386	rs11652074	A	G	-0.287	0.036	0.117	3.79E-15	0.002	0.021	0.921	0.016	61.773	TRUE	8.04E-15
Non-allergic asthma	RPTOR	cg03533386	rs72853711	C	T	0.201	0.036	0.115	3.12E-08	0.003	0.026	0.921	0.008	30.617	TRUE	4.45E-08
Non-allergic asthma	RPTOR	cg03533386	rs8064620	T	G	-0.136	0.024	0.382	1.20E-08	0.002	0.016	0.898	0.009	32.473	TRUE	1.78E-08
Non-allergic asthma	RPTOR	cg03641032	rs113335931	G	A	-0.393	0.032	0.150	3.37E-34	-0.017	0.021	0.424	0.039	148.601	TRUE	9.10E-33
Non-allergic asthma	RPTOR	cg03641032	rs2672878	T	C	0.260	0.026	0.263	3.34E-23	0.001	0.018	0.946	0.026	98.395	TRUE	1.20E-22
Non-allergic asthma	RPTOR	cg03641032	rs2878052	A	G	0.898	0.025	0.228	7.37E-287	-0.032	0.017	0.065	0.261	1309.351	TRUE	3.59E-251
Non-allergic asthma	RPTOR	cg03641032	rs4969285	G	C	-0.409	0.025	0.333	1.41E-61	0.012	0.016	0.464	0.069	274.007	TRUE	1.27E-58
Non-allergic asthma	RPTOR	cg03641032	rs547581211	A	T	0.330	0.059	0.036	1.92E-08	0.004	0.047	0.934	0.008	31.560	TRUE	2.73E-08
Non-allergic asthma	RPTOR	cg03641032	rs56960771	T	C	0.181	0.025	0.310	8.09E-13	0.014	0.016	0.373	0.014	51.233	TRUE	2.96E-12
Non-allergic asthma	RPTOR	cg03641032	rs62068550	A	G	-0.691	0.034	0.143	9.41E-93	0.013	0.024	0.591	0.101	417.081	TRUE	1.32E-87
Non-allergic asthma	RPTOR	cg03641032	rs74004829	C	T	0.401	0.043	0.092	1.99E-20	0.049	0.024	0.046	0.023	85.758	TRUE	4.96E-19
Non-allergic asthma	RPTOR	cg03641032	rs868432	A	G	0.773	0.020	0.444	<1E-200	-0.001	0.016	0.971	0.281	1443.188	TRUE	1.47E-277
Non-allergic asthma	RPTOR	cg03641032	rs9897319	A	G	0.377	0.025	0.354	3.13E-52	0.029	0.016	0.073	0.059	231.158	TRUE	4.89E-49
Non-allergic asthma	RPTOR	cg03641032	rs9897437	C	A	-0.627	0.033	0.131	1.98E-78	0.036	0.022	0.106	0.087	351.330	TRUE	2.05E-73
Non-allergic asthma	RPTOR	cg03794617	rs11150745	G	A	-0.338	0.025	0.314	1.48E-41	-0.017	0.018	0.343	0.047	182.257	TRUE	1.21E-39
Non-allergic asthma	RPTOR	cg03794617	rs11655574	A	G	0.153	0.025	0.361	1.00E-09	-0.002	0.016	0.920	0.010	37.300	TRUE	1.55E-09
Non-allergic asthma	RPTOR	cg03794617	rs28377011	C	T	-0.231	0.042	0.082	3.90E-08	-0.012	0.028	0.685	0.008	30.181	TRUE	6.83E-08
Non-allergic asthma	RPTOR	cg03794617	rs4969424	A	C	0.518	0.037	0.117	1.19E-45	-0.028	0.028	0.314	0.052	201.019	TRUE	1.81E-43
Non-allergic asthma	RPTOR	cg03794617	rs62070202	T	C	-0.292	0.042	0.079	3.32E-12	-0.029	0.032	0.364	0.013	48.462	TRUE	1.17E-11
Non-allergic asthma	RPTOR	cg03794617	rs7210110	A	G	-0.385	0.029	0.200	2.10E-39	-0.016	0.022	0.477	0.045	172.412	TRUE	9.01E-38
Non-allergic asthma	RPTOR	cg03794617	rs8069320	C	A	-0.169	0.024	0.490	8.73E-13	0.006	0.016	0.715	0.014	51.083	TRUE	2.02E-12
Non-allergic asthma	RPTOR	cg03890538	rs11658452	G	A	0.318	0.027	0.244	4.17E-32	-0.039	0.019	0.036	0.036	139.033	TRUE	5.49E-30
Non-allergic asthma	RPTOR	cg03890538	rs1468032	T	A	-0.150	0.025	0.340	1.06E-09	0.017	0.017	0.330	0.010	37.182	TRUE	3.15E-09
Non-allergic asthma	RPTOR	cg03890538	rs34048269	A	G	0.213	0.030	0.205	6.71E-13	-0.014	0.019	0.443	0.014	51.600	TRUE	2.22E-12
Non-allergic asthma	RPTOR	cg04191427	rs11150746	G	A	0.239	0.025	0.332	5.44E-22	0.018	0.016	0.285	0.024	92.872	TRUE	5.72E-21
Non-allergic asthma	RPTOR	cg04191427	rs62067889	G	C	-0.180	0.030	0.199	1.27E-09	-0.029	0.024	0.224	0.010	36.843	TRUE	4.45E-09
Non-allergic asthma	RPTOR	cg04295549	rs2340773	T	C	-0.355	0.037	0.116	3.64E-22	-0.028	0.028	0.316	0.025	93.665	TRUE	3.60E-21
Non-allergic asthma	RPTOR	cg04295549	rs62648832	G	A	-0.148	0.023	0.440	1.31E-10	-0.023	0.016	0.167	0.011	41.273	TRUE	5.76E-10

Non-allergic asthma	RPTOR	cg04658243	rs1128687	C	T	-0.138	0.024	0.420	4.36E-09	-0.020	0.016	0.232	0.009	34.436	TRUE	1.43E-08
Non-allergic asthma	RPTOR	cg04658243	rs11868966	C	A	1.049	0.028	0.167	<1E-200	0.005	0.021	0.802	0.280	1441.589	TRUE	7.00E-277
Non-allergic asthma	RPTOR	cg04658243	rs13341621	A	G	0.377	0.050	0.080	4.66E-14	0.027	0.033	0.419	0.015	56.839	TRUE	1.77E-13
Non-allergic asthma	RPTOR	cg04658243	rs149099062	A	G	0.951	0.140	0.015	9.65E-12	0.096	0.106	0.368	0.012	46.372	TRUE	3.24E-11
Non-allergic asthma	RPTOR	cg04658243	rs55993113	G	A	0.156	0.028	0.219	2.67E-08	-0.011	0.021	0.613	0.008	30.916	TRUE	5.05E-08
Non-allergic asthma	RPTOR	cg04658243	rs56273414	C	T	0.238	0.033	0.146	8.54E-13	-0.020	0.021	0.330	0.014	51.127	TRUE	3.36E-12
Non-allergic asthma	RPTOR	cg04658243	rs62067893	T	C	0.402	0.070	0.037	7.66E-09	-0.023	0.048	0.632	0.009	33.343	TRUE	1.48E-08
Non-allergic asthma	RPTOR	cg04658243	rs62068487	A	G	-0.254	0.025	0.319	8.99E-24	-0.006	0.017	0.723	0.027	100.990	TRUE	4.79E-23
Non-allergic asthma	RPTOR	cg04658243	rs7208823	G	A	0.163	0.028	0.247	3.66E-09	0.017	0.017	0.326	0.009	34.780	TRUE	1.04E-08
Non-allergic asthma	RPTOR	cg04658243	rs7502321	C	T	0.147	0.024	0.386	9.53E-10	0.017	0.016	0.298	0.010	37.399	TRUE	2.98E-09
Non-allergic asthma	RPTOR	cg04658243	rs7502841	A	G	0.380	0.027	0.232	5.45E-44	-0.029	0.019	0.142	0.050	193.406	TRUE	1.43E-41
Non-allergic asthma	RPTOR	cg04662369	rs11150747	T	C	-0.331	0.027	0.249	3.22E-34	0.010	0.019	0.606	0.039	148.692	TRUE	5.76E-33
Non-allergic asthma	RPTOR	cg04662369	rs11651724	A	G	-0.466	0.037	0.117	7.94E-37	0.002	0.021	0.939	0.042	160.617	TRUE	9.66E-36
Non-allergic asthma	RPTOR	cg04662369	rs117209908	A	G	-0.530	0.050	0.059	5.47E-26	0.033	0.036	0.364	0.029	111.096	TRUE	7.12E-25
Non-allergic asthma	RPTOR	cg04662369	rs118107399	T	C	1.294	0.148	0.014	1.96E-18	-0.081	0.096	0.394	0.020	76.684	TRUE	1.15E-17
Non-allergic asthma	RPTOR	cg04662369	rs12949279	C	T	0.869	0.018	0.440	<1E-200	-0.022	0.017	0.191	0.374	2211.170	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg04662369	rs2340772	C	A	1.156	0.034	0.117	4.08E-249	-0.028	0.028	0.316	0.235	1135.772	TRUE	4.01E-222
Non-allergic asthma	RPTOR	cg04662369	rs2589139	C	G	0.208	0.025	0.297	1.18E-16	0.003	0.017	0.872	0.018	68.612	TRUE	2.93E-16
Non-allergic asthma	RPTOR	cg04662369	rs28364735	C	T	-0.242	0.025	0.280	1.55E-21	0.009	0.018	0.620	0.024	90.798	TRUE	8.07E-21
Non-allergic asthma	RPTOR	cg04662369	rs4426398	T	C	0.228	0.034	0.139	1.28E-11	0.016	0.023	0.485	0.012	45.818	TRUE	3.61E-11
Non-allergic asthma	RPTOR	cg04662369	rs4453556	G	A	0.133	0.024	0.417	2.18E-08	0.002	0.016	0.889	0.008	31.311	TRUE	3.22E-08
Non-allergic asthma	RPTOR	cg04662369	rs4969282	T	G	0.198	0.033	0.139	2.90E-09	-0.015	0.025	0.559	0.009	35.232	TRUE	6.22E-09
Non-allergic asthma	RPTOR	cg04662369	rs4969427	A	G	-0.325	0.031	0.179	3.13E-26	0.009	0.019	0.649	0.029	112.203	TRUE	2.35E-25
Non-allergic asthma	RPTOR	cg04662369	rs56111062	G	A	-0.344	0.024	0.379	4.48E-47	0.003	0.016	0.844	0.053	207.536	TRUE	2.05E-45
Non-allergic asthma	RPTOR	cg04662369	rs62067893	T	C	-0.666	0.069	0.037	6.76E-22	-0.023	0.048	0.632	0.024	92.441	TRUE	3.56E-21
Non-allergic asthma	RPTOR	cg04662369	rs72856006	G	C	-0.415	0.036	0.120	4.06E-31	-0.018	0.022	0.407	0.035	134.516	TRUE	8.18E-30
Non-allergic asthma	RPTOR	cg04662369	rs72858264	C	A	0.497	0.066	0.031	5.47E-14	-0.050	0.054	0.362	0.015	56.521	TRUE	2.27E-13
Non-allergic asthma	RPTOR	cg04789650	rs113059224	A	G	-0.273	0.043	0.070	2.52E-10	0.013	0.027	0.613	0.011	39.994	TRUE	5.51E-10
Non-allergic asthma	RPTOR	cg04789650	rs11548824	A	G	-0.247	0.034	0.154	1.81E-13	-0.033	0.022	0.132	0.014	54.171	TRUE	1.21E-12
Non-allergic asthma	RPTOR	cg04789650	rs117763980	T	C	-0.481	0.055	0.043	1.62E-18	-0.001	0.041	0.971	0.020	77.061	TRUE	4.03E-18
Non-allergic asthma	RPTOR	cg04789650	rs139078473	A	G	-0.341	0.051	0.052	2.64E-11	-0.050	0.034	0.136	0.012	44.407	TRUE	1.37E-10
Non-allergic asthma	RPTOR	cg04789650	rs2004184	C	T	-0.401	0.026	0.265	4.39E-54	0.000	0.018	0.983	0.061	239.651	TRUE	3.52E-52
Non-allergic asthma	RPTOR	cg04789650	rs4969300	A	G	0.593	0.035	0.120	7.28E-65	0.032	0.024	0.179	0.072	289.083	TRUE	3.73E-61
Non-allergic asthma	RPTOR	cg04789650	rs55803650	A	C	-0.525	0.092	0.017	1.29E-08	0.013	0.053	0.805	0.009	32.325	TRUE	2.09E-08
Non-allergic asthma	RPTOR	cg04789650	rs56960771	T	C	-0.199	0.025	0.310	3.14E-15	0.014	0.016	0.373	0.017	62.145	TRUE	1.43E-14
Non-allergic asthma	RPTOR	cg04789650	rs67198902	G	T	-0.277	0.031	0.186	1.58E-19	-0.017	0.020	0.406	0.022	81.666	TRUE	9.97E-19
Non-allergic asthma	RPTOR	cg04789650	rs7225241	T	C	-0.216	0.035	0.137	5.12E-10	0.026	0.024	0.278	0.010	38.609	TRUE	1.69E-09
Non-allergic asthma	RPTOR	cg04789650	rs7503237	G	A	0.852	0.020	0.449	<1E-200	0.008	0.016	0.628	0.340	1908.217	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg04789650	rs9903399	C	T	-0.312	0.041	0.222	1.45E-14	-0.003	0.021	0.879	0.016	59.137	TRUE	3.11E-14
Non-allergic asthma	RPTOR	cg05064567	rs11656061	A	G	0.209	0.024	0.436	2.06E-18	0.006	0.016	0.732	0.020	76.592	TRUE	7.02E-18
Non-allergic asthma	RPTOR	cg05064567	rs12952861	A	G	-0.248	0.029	0.202	1.80E-17	-0.030	0.021	0.148	0.019	72.315	TRUE	1.76E-16
Non-allergic asthma	RPTOR	cg05064567	rs13341621	A	G	-0.326	0.050	0.080	6.74E-11	0.027	0.033	0.419	0.011	42.569	TRUE	1.95E-10

Non-allergic asthma	RPTOR	cg05064567	rs2289766	G	A	-0.904	0.030	0.167	4.19E-196	0.011	0.022	0.630	0.194	892.018	TRUE	1.00E-178
Non-allergic asthma	RPTOR	cg05064567	rs4969307	C	G	-0.166	0.025	0.357	1.46E-11	-0.005	0.016	0.750	0.012	45.556	TRUE	3.00E-11
Non-allergic asthma	RPTOR	cg05064567	rs6565489	A	C	-0.204	0.024	0.455	4.86E-18	0.033	0.016	0.039	0.020	74.896	TRUE	9.60E-17
Non-allergic asthma	RPTOR	cg05064567	rs9912092	G	A	-0.222	0.023	0.499	7.63E-22	0.015	0.016	0.355	0.024	92.201	TRUE	6.70E-21
Non-allergic asthma	RPTOR	cg05098037	rs11150745	G	A	-0.281	0.025	0.314	7.03E-29	-0.017	0.018	0.343	0.033	124.293	TRUE	1.30E-27
Non-allergic asthma	RPTOR	cg05098037	rs11655574	A	G	0.172	0.025	0.361	6.74E-12	-0.002	0.016	0.920	0.013	47.075	TRUE	1.18E-11
Non-allergic asthma	RPTOR	cg05098037	rs118107399	T	C	0.937	0.149	0.014	2.83E-10	-0.081	0.096	0.394	0.011	39.764	TRUE	8.05E-10
Non-allergic asthma	RPTOR	cg05098037	rs12940318	T	C	-0.214	0.024	0.431	1.87E-19	0.006	0.016	0.683	0.022	81.323	TRUE	7.44E-19
Non-allergic asthma	RPTOR	cg05098037	rs28872794	C	T	-0.191	0.024	0.493	3.96E-16	0.006	0.016	0.709	0.018	66.219	TRUE	1.17E-15
Non-allergic asthma	RPTOR	cg05098037	rs35926934	A	G	0.882	0.036	0.117	1.62E-135	0.028	0.028	0.315	0.142	613.522	TRUE	1.72E-125
Non-allergic asthma	RPTOR	cg05098037	rs62070202	T	C	-0.257	0.042	0.079	9.38E-10	-0.029	0.032	0.364	0.010	37.430	TRUE	2.65E-09
Non-allergic asthma	RPTOR	cg05098037	rs734338	A	G	-0.187	0.023	0.497	1.34E-15	-0.007	0.016	0.636	0.017	63.817	TRUE	4.21E-15
Non-allergic asthma	RPTOR	cg05337636	rs10468603	C	T	-0.268	0.024	0.413	2.45E-29	-0.009	0.016	0.592	0.033	126.378	TRUE	2.75E-28
Non-allergic asthma	RPTOR	cg05337636	rs11150746	G	A	-0.164	0.025	0.332	3.86E-11	0.018	0.016	0.285	0.012	43.659	TRUE	1.41E-10
Non-allergic asthma	RPTOR	cg05337636	rs12948054	T	C	0.240	0.040	0.091	1.37E-09	-0.034	0.030	0.255	0.010	36.695	TRUE	4.51E-09
Non-allergic asthma	RPTOR	cg05337636	rs4969429	A	G	-0.190	0.026	0.273	5.76E-13	-0.002	0.018	0.900	0.014	51.899	TRUE	1.09E-12
Non-allergic asthma	RPTOR	cg05395366	rs2271607	C	T	0.417	0.029	0.220	4.17E-48	-0.029	0.018	0.110	0.054	212.258	TRUE	2.46E-45
Non-allergic asthma	RPTOR	cg05395366	rs7220687	C	T	0.143	0.026	0.289	3.77E-08	-0.046	0.018	0.012	0.008	30.249	TRUE	2.65E-07
Non-allergic asthma	RPTOR	cg05548508	rs4969277	T	C	0.250	0.030	0.184	1.61E-16	0.011	0.019	0.555	0.018	67.991	TRUE	6.11E-16
Non-allergic asthma	RPTOR	cg05651511	rs117429647	G	A	-0.369	0.061	0.039	1.41E-09	0.039	0.041	0.341	0.010	36.634	TRUE	4.06E-09
Non-allergic asthma	RPTOR	cg05651511	rs12942109	G	A	0.237	0.024	0.417	7.45E-24	0.001	0.016	0.947	0.027	101.363	TRUE	2.82E-23
Non-allergic asthma	RPTOR	cg05651511	rs72858219	A	G	-0.218	0.029	0.212	1.93E-14	0.001	0.021	0.950	0.016	58.572	TRUE	3.79E-14
Non-allergic asthma	RPTOR	cg05651511	rs8080789	A	G	0.360	0.037	0.118	7.36E-23	-0.028	0.028	0.316	0.026	96.829	TRUE	7.83E-22
Non-allergic asthma	RPTOR	cg05651511	rs9893680	G	T	-0.160	0.024	0.383	3.76E-11	-0.023	0.017	0.164	0.012	43.713	TRUE	1.77E-10
Non-allergic asthma	RPTOR	cg05651511	rs9894401	A	G	-0.395	0.027	0.255	1.31E-48	0.016	0.017	0.363	0.055	214.566	TRUE	2.51E-46
Non-allergic asthma	RPTOR	cg05774614	rs1128687	C	T	-0.181	0.024	0.420	1.53E-14	-0.020	0.016	0.232	0.016	59.027	TRUE	8.65E-14
Non-allergic asthma	RPTOR	cg05774614	rs113714895	T	C	-0.270	0.043	0.080	2.67E-10	-0.002	0.029	0.956	0.011	39.880	TRUE	4.11E-10
Non-allergic asthma	RPTOR	cg05774614	rs11653179	A	G	0.169	0.031	0.174	3.72E-08	-0.014	0.024	0.544	0.008	30.273	TRUE	7.46E-08
Non-allergic asthma	RPTOR	cg05774614	rs11656246	A	G	-0.446	0.026	0.241	4.04E-64	0.003	0.019	0.891	0.072	285.669	TRUE	1.62E-61
Non-allergic asthma	RPTOR	cg05774614	rs12948647	A	G	0.306	0.046	0.125	2.09E-11	-0.002	0.023	0.944	0.012	44.864	TRUE	3.46E-11
Non-allergic asthma	RPTOR	cg05774614	rs12952861	A	G	0.407	0.029	0.202	5.30E-45	-0.030	0.021	0.148	0.051	198.040	TRUE	1.54E-42
Non-allergic asthma	RPTOR	cg05774614	rs13341621	A	G	0.471	0.050	0.080	3.11E-21	0.027	0.033	0.419	0.024	89.422	TRUE	2.25E-20
Non-allergic asthma	RPTOR	cg05774614	rs149099062	A	G	1.173	0.139	0.015	3.43E-17	0.096	0.106	0.368	0.019	71.043	TRUE	1.88E-16
Non-allergic asthma	RPTOR	cg05774614	rs2289764	C	T	0.960	0.024	0.241	<1E-200	0.010	0.018	0.572	0.310	1660.882	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg05774614	rs56068957	C	A	0.142	0.024	0.470	1.84E-09	0.006	0.016	0.718	0.010	36.116	TRUE	3.40E-09
Non-allergic asthma	RPTOR	cg05774614	rs56273414	C	T	0.256	0.033	0.146	1.33E-14	-0.020	0.021	0.330	0.016	59.297	TRUE	6.19E-14
Non-allergic asthma	RPTOR	cg05774614	rs62068550	A	G	-0.256	0.035	0.143	1.37E-13	0.013	0.024	0.591	0.015	54.724	TRUE	3.91E-13
Non-allergic asthma	RPTOR	cg05774614	rs72853711	C	T	0.244	0.037	0.115	3.38E-11	0.003	0.026	0.921	0.012	43.919	TRUE	5.66E-11
Non-allergic asthma	RPTOR	cg05774614	rs7502321	C	T	0.191	0.024	0.386	2.15E-15	0.017	0.016	0.298	0.017	62.886	TRUE	1.15E-14
Non-allergic asthma	RPTOR	cg05774614	rs75856682	T	C	0.539	0.085	0.044	2.75E-10	0.023	0.036	0.520	0.011	39.825	TRUE	6.66E-10
Non-allergic asthma	RPTOR	cg05774614	rs8073904	G	A	0.187	0.033	0.141	1.92E-08	-0.031	0.023	0.164	0.008	31.557	TRUE	6.72E-08
Non-allergic asthma	RPTOR	cg05774614	rs908236	C	G	0.306	0.025	0.351	9.72E-36	-0.005	0.016	0.750	0.040	155.641	TRUE	1.52E-34

Non-allergic asthma	RPTOR	cg05774614	rs9897319	A	G	-0.190	0.025	0.354	4.06E-14	0.029	0.016	0.073	0.015	57.108	TRUE	3.78E-13
Non-allergic asthma	RPTOR	cg06153925	rs114101526	T	C	-0.263	0.042	0.085	5.37E-10	0.003	0.032	0.926	0.010	38.517	TRUE	8.38E-10
Non-allergic asthma	RPTOR	cg06153925	rs118107399	T	C	1.323	0.148	0.014	3.16E-19	-0.081	0.096	0.394	0.021	80.291	TRUE	1.99E-18
Non-allergic asthma	RPTOR	cg06153925	rs11869626	C	A	0.161	0.023	0.476	5.68E-12	-0.015	0.016	0.347	0.013	47.413	TRUE	2.01E-11
Non-allergic asthma	RPTOR	cg06153925	rs2004184	C	T	-0.157	0.026	0.265	2.17E-09	0.000	0.018	0.983	0.010	35.796	TRUE	3.11E-09
Non-allergic asthma	RPTOR	cg06153925	rs2672901	T	C	0.380	0.024	0.353	2.88E-55	0.003	0.016	0.872	0.062	245.074	TRUE	3.49E-53
Non-allergic asthma	RPTOR	cg06153925	rs72853745	T	C	-0.357	0.036	0.118	3.69E-23	-0.017	0.022	0.430	0.026	98.193	TRUE	3.14E-22
Non-allergic asthma	RPTOR	cg06153925	rs72855137	A	G	-0.182	0.029	0.197	5.75E-10	-0.007	0.019	0.720	0.010	38.385	TRUE	1.10E-09
Non-allergic asthma	RPTOR	cg06153925	rs72858219	A	G	-0.306	0.028	0.212	5.82E-27	0.001	0.021	0.950	0.030	115.534	TRUE	2.81E-26
Non-allergic asthma	RPTOR	cg06153925	rs72859613	T	C	0.517	0.073	0.020	1.52E-12	0.006	0.045	0.902	0.013	49.991	TRUE	2.82E-12
Non-allergic asthma	RPTOR	cg06153925	rs76584516	G	A	1.207	0.032	0.118	<1E-200	-0.047	0.032	0.142	0.277	1416.642	TRUE	2.43E-270
Non-allergic asthma	RPTOR	cg06153925	rs8069962	G	A	0.148	0.023	0.471	2.27E-10	0.005	0.016	0.758	0.011	40.198	TRUE	4.27E-10
Non-allergic asthma	RPTOR	cg06153925	rs9894401	A	G	-0.465	0.027	0.255	1.46E-67	0.016	0.017	0.363	0.075	301.459	TRUE	4.85E-64
Non-allergic asthma	RPTOR	cg06153925	rs9895714	C	A	0.360	0.023	0.426	3.31E-55	-0.016	0.016	0.335	0.062	244.799	TRUE	1.78E-52
Non-allergic asthma	RPTOR	cg06154633	rs11653319	T	C	-0.150	0.027	0.291	3.47E-08	-0.022	0.018	0.225	0.008	30.408	TRUE	1.05E-07
Non-allergic asthma	RPTOR	cg06154633	rs12944674	A	G	-0.226	0.025	0.326	7.60E-20	0.025	0.017	0.147	0.022	83.106	TRUE	9.75E-19
Non-allergic asthma	RPTOR	cg06154633	rs2589129	A	G	-0.381	0.023	0.487	2.43E-62	-0.008	0.016	0.631	0.070	277.507	TRUE	1.49E-59
Non-allergic asthma	RPTOR	cg06154633	rs7222906	C	T	0.215	0.029	0.202	1.82E-13	0.003	0.020	0.864	0.014	54.166	TRUE	3.71E-13
Non-allergic asthma	RPTOR	cg06154633	rs77183052	A	G	-1.207	0.170	0.012	1.07E-12	0.036	0.036	0.326	0.014	50.687	TRUE	4.19E-12
Non-allergic asthma	RPTOR	cg06154633	rs9897319	A	G	-0.145	0.025	0.354	7.92E-09	0.029	0.016	0.073	0.009	33.277	TRUE	3.82E-08
Non-allergic asthma	RPTOR	cg06343673	rs12943620	T	G	0.163	0.027	0.225	2.28E-09	0.010	0.020	0.618	0.010	35.700	TRUE	4.63E-09
Non-allergic asthma	RPTOR	cg06343673	rs2090204	T	G	0.250	0.033	0.132	3.97E-14	0.018	0.022	0.421	0.015	57.154	TRUE	1.51E-13
Non-allergic asthma	RPTOR	cg06343673	rs35327093	T	C	0.214	0.029	0.209	2.04E-13	-0.023	0.023	0.313	0.014	53.937	TRUE	8.75E-13
Non-allergic asthma	RPTOR	cg06343673	rs4889856	C	T	-0.260	0.023	0.435	6.51E-29	-0.004	0.016	0.803	0.033	124.446	TRUE	4.76E-28
Non-allergic asthma	RPTOR	cg06343673	rs546161523	T	C	-0.734	0.079	0.036	1.98E-20	0.011	0.040	0.779	0.023	85.761	TRUE	7.38E-20
Non-allergic asthma	RPTOR	cg06343673	rs60024815	T	A	0.214	0.027	0.251	1.52E-15	0.009	0.018	0.613	0.017	63.567	TRUE	4.92E-15
Non-allergic asthma	RPTOR	cg06343673	rs61735242	T	C	-0.399	0.039	0.103	1.22E-24	-0.025	0.026	0.325	0.028	104.938	TRUE	1.52E-23
Non-allergic asthma	RPTOR	cg06343673	rs72849959	C	A	-0.819	0.059	0.044	7.30E-44	-0.005	0.032	0.873	0.050	192.825	TRUE	2.15E-42
Non-allergic asthma	RPTOR	cg06343673	rs72853728	C	T	-0.260	0.034	0.144	8.28E-15	-0.019	0.022	0.400	0.016	60.234	TRUE	3.46E-14
Non-allergic asthma	RPTOR	cg06343673	rs9889802	G	C	-1.168	0.024	0.184	<1E-200	0.011	0.019	0.549	0.386	2322.301	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg06412669	rs11150746	G	A	0.196	0.025	0.332	3.07E-15	0.018	0.016	0.285	0.017	62.190	TRUE	1.65E-14
Non-allergic asthma	RPTOR	cg06412669	rs4969425	A	G	-0.278	0.025	0.320	2.13E-28	0.010	0.017	0.552	0.032	122.095	TRUE	2.35E-27
Non-allergic asthma	RPTOR	cg06418238	rs114177791	T	G	-0.333	0.028	0.215	7.55E-32	-0.004	0.020	0.843	0.036	137.855	TRUE	6.76E-31
Non-allergic asthma	RPTOR	cg06418238	rs117117100	A	G	-0.425	0.076	0.024	1.76E-08	0.021	0.034	0.525	0.009	31.730	TRUE	3.68E-08
Non-allergic asthma	RPTOR	cg06418238	rs117209908	A	G	-0.407	0.050	0.059	6.64E-16	0.033	0.036	0.364	0.017	65.202	TRUE	3.26E-15
Non-allergic asthma	RPTOR	cg06418238	rs118107399	T	C	1.423	0.147	0.014	4.69E-22	-0.081	0.096	0.394	0.025	93.163	TRUE	3.86E-21
Non-allergic asthma	RPTOR	cg06418238	rs11869626	C	A	0.180	0.023	0.476	1.51E-14	-0.015	0.016	0.347	0.016	59.050	TRUE	6.77E-14
Non-allergic asthma	RPTOR	cg06418238	rs2672901	T	C	0.423	0.024	0.353	1.22E-68	0.003	0.016	0.872	0.076	306.412	TRUE	1.02E-65
Non-allergic asthma	RPTOR	cg06418238	rs4561525	A	G	-0.162	0.030	0.192	4.44E-08	-0.002	0.019	0.907	0.008	29.931	TRUE	6.36E-08
Non-allergic asthma	RPTOR	cg06418238	rs60513142	A	G	-0.516	0.027	0.249	2.92E-82	0.015	0.017	0.377	0.091	368.911	TRUE	1.22E-77
Non-allergic asthma	RPTOR	cg06418238	rs72853719	T	C	-0.279	0.042	0.090	2.69E-11	0.003	0.032	0.926	0.012	44.369	TRUE	4.51E-11
Non-allergic asthma	RPTOR	cg06418238	rs72856013	A	G	-0.347	0.036	0.120	4.06E-22	-0.018	0.022	0.399	0.025	93.449	TRUE	3.33E-21

Non-allergic asthma	RPTOR	cg06418238	rs72859613	T	C	0.515	0.073	0.020	1.79E-12	0.006	0.045	0.902	0.013	49.674	TRUE	3.30E-12
Non-allergic asthma	RPTOR	cg06418238	rs76584516	G	A	1.319	0.031	0.118	<1E-200	-0.047	0.032	0.142	0.327	1796.694	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg06418238	rs8069962	G	A	0.209	0.023	0.471	1.99E-19	0.005	0.016	0.758	0.021	81.209	TRUE	7.05E-19
Non-allergic asthma	RPTOR	cg06418238	rs9895714	C	A	0.383	0.023	0.426	8.58E-63	-0.016	0.016	0.335	0.070	279.584	TRUE	1.47E-59
Non-allergic asthma	RPTOR	cg06443231	rs1471791	A	G	-0.218	0.029	0.199	7.59E-14	-0.030	0.024	0.211	0.015	55.878	TRUE	4.21E-13
Non-allergic asthma	RPTOR	cg06469955	rs11150762	T	C	-0.240	0.031	0.166	9.34E-15	-0.010	0.025	0.682	0.016	59.999	TRUE	2.59E-14
Non-allergic asthma	RPTOR	cg06469955	rs4969285	G	C	-0.163	0.025	0.333	1.02E-10	0.012	0.016	0.464	0.011	41.753	TRUE	2.75E-10
Non-allergic asthma	RPTOR	cg06469955	rs4969303	A	G	-1.063	0.030	0.132	3.05E-273	0.036	0.022	0.108	0.252	1246.728	TRUE	1.13E-240
Non-allergic asthma	RPTOR	cg06469955	rs72857988	T	C	-0.403	0.050	0.050	8.41E-16	0.004	0.027	0.869	0.017	64.737	TRUE	1.99E-15
Non-allergic asthma	RPTOR	cg06469955	rs868432	A	G	0.331	0.023	0.444	2.37E-46	-0.001	0.016	0.971	0.052	204.219	TRUE	7.57E-45
Non-allergic asthma	RPTOR	cg06469955	rs9897841	C	T	0.220	0.024	0.498	1.93E-20	0.014	0.016	0.378	0.023	85.815	TRUE	1.41E-19
Non-allergic asthma	RPTOR	cg06469955	rs9915393	G	C	0.292	0.027	0.258	1.38E-27	-0.041	0.017	0.018	0.031	118.384	TRUE	1.38E-25
Non-allergic asthma	RPTOR	cg06617879	rs2289762	A	G	0.357	0.026	0.245	1.47E-41	-0.004	0.019	0.838	0.047	182.280	TRUE	3.59E-40
Non-allergic asthma	RPTOR	cg06617879	rs868432	A	G	0.139	0.023	0.444	2.00E-09	-0.001	0.016	0.971	0.010	35.959	TRUE	2.89E-09
Non-allergic asthma	RPTOR	cg06673969	rs117429647	G	A	-0.668	0.060	0.039	6.74E-29	0.039	0.041	0.341	0.033	124.377	TRUE	1.26E-27
Non-allergic asthma	RPTOR	cg06872548	rs114177791	T	G	-0.373	0.028	0.215	9.24E-40	-0.004	0.020	0.843	0.045	174.044	TRUE	1.84E-38
Non-allergic asthma	RPTOR	cg06872548	rs11651724	A	G	-0.366	0.037	0.117	3.10E-23	0.002	0.021	0.939	0.026	98.541	TRUE	1.13E-22
Non-allergic asthma	RPTOR	cg06872548	rs118099953	T	C	-0.829	0.063	0.036	9.42E-40	0.042	0.041	0.304	0.045	174.004	TRUE	6.94E-38
Non-allergic asthma	RPTOR	cg06872548	rs118107399	T	C	1.287	0.148	0.014	2.97E-18	-0.081	0.096	0.394	0.020	75.872	TRUE	1.71E-17
Non-allergic asthma	RPTOR	cg06872548	rs12945810	T	C	0.313	0.024	0.413	1.72E-40	0.002	0.016	0.915	0.046	177.383	TRUE	3.21E-39
Non-allergic asthma	RPTOR	cg06872548	rs35904260	G	A	0.296	0.023	0.445	6.37E-37	0.005	0.016	0.742	0.042	161.054	TRUE	1.15E-35
Non-allergic asthma	RPTOR	cg06872548	rs57673311	C	G	-0.667	0.026	0.249	2.05E-141	0.015	0.017	0.377	0.148	640.625	TRUE	7.57E-131
Non-allergic asthma	RPTOR	cg06872548	rs62067876	A	G	0.276	0.042	0.086	4.22E-11	-0.013	0.032	0.696	0.012	43.486	TRUE	8.89E-11
Non-allergic asthma	RPTOR	cg06872548	rs62067893	T	C	-0.577	0.069	0.037	9.31E-17	-0.023	0.048	0.632	0.018	69.073	TRUE	3.22E-16
Non-allergic asthma	RPTOR	cg06872548	rs7217825	C	T	1.116	0.034	0.119	3.00E-232	-0.028	0.028	0.316	0.222	1058.212	TRUE	3.14E-208
Non-allergic asthma	RPTOR	cg06872548	rs72856013	A	G	-0.368	0.036	0.120	9.72E-25	-0.018	0.022	0.399	0.028	105.395	TRUE	1.03E-23
Non-allergic asthma	RPTOR	cg06908052	rs12951596	T	C	-0.367	0.033	0.134	5.05E-29	0.025	0.022	0.254	0.033	124.948	TRUE	1.23E-27
Non-allergic asthma	RPTOR	cg06975080	rs11150741	G	A	0.299	0.025	0.366	2.67E-34	0.005	0.016	0.746	0.039	149.060	TRUE	3.65E-33
Non-allergic asthma	RPTOR	cg06975080	rs1131609	A	G	0.158	0.027	0.243	3.17E-09	0.012	0.020	0.528	0.009	35.058	TRUE	7.01E-09
Non-allergic asthma	RPTOR	cg06975080	rs117559611	C	T	0.260	0.030	0.194	2.41E-18	-0.030	0.024	0.211	0.020	76.282	TRUE	2.12E-17
Non-allergic asthma	RPTOR	cg06975080	rs57678654	T	C	0.165	0.024	0.380	6.99E-12	0.005	0.016	0.774	0.013	47.006	TRUE	1.43E-11
Non-allergic asthma	RPTOR	cg06975080	rs61391154	T	G	-0.526	0.024	0.340	1.20E-106	0.015	0.016	0.348	0.115	480.896	TRUE	8.66E-100
Non-allergic asthma	RPTOR	cg06975080	rs7207154	C	T	0.292	0.052	0.131	1.68E-08	-0.005	0.023	0.841	0.009	31.820	TRUE	2.60E-08
Non-allergic asthma	RPTOR	cg06975080	rs72851580	T	A	-0.376	0.057	0.048	5.71E-11	-0.011	0.038	0.778	0.011	42.896	TRUE	1.09E-10
Non-allergic asthma	RPTOR	cg06975080	rs76315174	G	A	-0.399	0.062	0.054	9.72E-11	0.017	0.030	0.576	0.011	41.854	TRUE	2.28E-10
Non-allergic asthma	RPTOR	cg07078467	rs7215994	G	A	-0.153	0.024	0.333	3.97E-10	0.010	0.017	0.543	0.010	39.107	TRUE	9.25E-10
Non-allergic asthma	RPTOR	cg07081946	rs3751940	T	C	0.204	0.024	0.391	2.04E-17	0.028	0.016	0.075	0.019	72.062	TRUE	2.79E-16
Non-allergic asthma	RPTOR	cg07126783	rs114177791	T	G	0.179	0.029	0.215	3.75E-10	-0.004	0.020	0.843	0.010	39.219	TRUE	6.39E-10
Non-allergic asthma	RPTOR	cg07126783	rs4969426	A	T	0.177	0.024	0.375	1.16E-13	0.001	0.016	0.954	0.015	55.039	TRUE	2.17E-13
Non-allergic asthma	RPTOR	cg07126783	rs67583258	T	C	0.276	0.027	0.249	6.61E-24	0.016	0.017	0.352	0.027	101.599	TRUE	7.16E-23
Non-allergic asthma	RPTOR	cg07126783	rs7217174	T	C	-0.252	0.029	0.201	1.21E-17	-0.014	0.022	0.521	0.019	73.101	TRUE	5.29E-17
Non-allergic asthma	RPTOR	cg07126783	rs72853774	G	T	0.189	0.034	0.138	2.89E-08	-0.020	0.021	0.328	0.008	30.764	TRUE	7.51E-08

Non-allergic asthma	RPTOR	cg07126783	rs75747760	T	C	-0.349	0.041	0.088	3.41E-17	0.004	0.032	0.890	0.019	71.051	TRUE	8.62E-17
Non-allergic asthma	RPTOR	cg07434008	rs35612742	C	A	-0.195	0.028	0.225	4.46E-12	-0.032	0.017	0.069	0.013	47.885	TRUE	3.30E-11
Non-allergic asthma	RPTOR	cg07434008	rs3751938	C	T	0.189	0.025	0.326	4.65E-14	-0.009	0.016	0.591	0.015	56.841	TRUE	1.38E-13
Non-allergic asthma	RPTOR	cg07434008	rs62068550	A	G	0.238	0.034	0.143	2.97E-12	0.013	0.024	0.591	0.013	48.679	TRUE	7.69E-12
Non-allergic asthma	RPTOR	cg07434008	rs6565484	C	T	-0.415	0.022	0.485	3.71E-77	-0.015	0.016	0.332	0.085	345.486	TRUE	7.36E-73
Non-allergic asthma	RPTOR	cg07786220	rs118107399	T	C	0.892	0.149	0.014	1.96E-09	-0.081	0.096	0.394	0.010	35.991	TRUE	5.19E-09
Non-allergic asthma	RPTOR	cg07786220	rs146082177	A	G	0.447	0.082	0.023	4.97E-08	-0.026	0.045	0.568	0.008	29.713	TRUE	9.64E-08
Non-allergic asthma	RPTOR	cg07786220	rs1471791	A	G	0.692	0.029	0.199	1.87E-129	-0.030	0.024	0.211	0.137	585.669	TRUE	8.06E-120
Non-allergic asthma	RPTOR	cg07786220	rs4969429	A	G	0.204	0.026	0.273	1.12E-14	-0.002	0.018	0.900	0.016	59.636	TRUE	2.37E-14
Non-allergic asthma	RPTOR	cg07786220	rs55735336	T	C	-0.216	0.037	0.114	5.68E-09	0.022	0.025	0.365	0.009	33.923	TRUE	1.50E-08
Non-allergic asthma	RPTOR	cg07786220	rs62067893	T	C	-0.397	0.070	0.037	1.21E-08	-0.023	0.048	0.632	0.009	32.450	TRUE	2.31E-08
Non-allergic asthma	RPTOR	cg07786220	rs62069404	T	C	0.355	0.055	0.051	1.18E-10	-0.005	0.032	0.865	0.011	41.467	TRUE	2.04E-10
Non-allergic asthma	RPTOR	cg07786220	rs7207843	C	T	-0.220	0.029	0.204	6.08E-14	-0.001	0.020	0.974	0.015	56.314	TRUE	1.13E-13
Non-allergic asthma	RPTOR	cg07786220	rs72856006	G	C	-0.263	0.036	0.120	2.45E-13	-0.018	0.022	0.407	0.014	53.579	TRUE	8.90E-13
Non-allergic asthma	RPTOR	cg07786220	rs74003912	A	G	0.190	0.030	0.199	1.54E-10	-0.004	0.022	0.872	0.011	40.952	TRUE	2.61E-10
Non-allergic asthma	RPTOR	cg07786220	rs9894401	A	G	-0.303	0.027	0.255	8.17E-29	0.016	0.017	0.363	0.032	123.993	TRUE	1.43E-27
Non-allergic asthma	RPTOR	cg08314949	rs113714895	T	C	0.290	0.043	0.080	1.19E-11	-0.002	0.029	0.956	0.012	45.968	TRUE	1.97E-11
Non-allergic asthma	RPTOR	cg08314949	rs118120008	A	G	-0.578	0.104	0.013	2.78E-08	-0.018	0.068	0.791	0.008	30.835	TRUE	4.47E-08
Non-allergic asthma	RPTOR	cg08314949	rs12939768	T	A	-1.166	0.020	0.226	<1E-200	-0.014	0.018	0.428	0.471	3298.895	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg08314949	rs142546211	A	G	-0.756	0.109	0.019	3.24E-12	-0.003	0.064	0.966	0.013	48.513	TRUE	5.48E-12
Non-allergic asthma	RPTOR	cg08314949	rs183036865	A	G	0.495	0.056	0.041	1.48E-18	0.015	0.040	0.705	0.020	77.249	TRUE	5.28E-18
Non-allergic asthma	RPTOR	cg08314949	rs183706698	C	T	0.777	0.026	0.218	8.95E-193	0.003	0.019	0.885	0.192	876.710	TRUE	2.14E-176
Non-allergic asthma	RPTOR	cg08314949	rs2289764	C	T	-0.261	0.027	0.241	2.28E-21	0.010	0.018	0.572	0.024	90.040	TRUE	1.26E-20
Non-allergic asthma	RPTOR	cg08314949	rs4969219	G	T	-0.134	0.024	0.388	3.07E-08	-0.017	0.017	0.307	0.008	30.647	TRUE	8.20E-08
Non-allergic asthma	RPTOR	cg08314949	rs62075432	A	G	-0.154	0.027	0.261	1.44E-08	-0.004	0.018	0.838	0.009	32.116	TRUE	2.25E-08
Non-allergic asthma	RPTOR	cg08314949	rs72850524	T	C	0.484	0.064	0.037	3.26E-14	0.054	0.050	0.283	0.015	57.539	TRUE	1.60E-13
Non-allergic asthma	RPTOR	cg08314949	rs72859646	T	C	-0.889	0.068	0.026	2.55E-39	0.025	0.035	0.475	0.044	172.025	TRUE	1.09E-37
Non-allergic asthma	RPTOR	cg08314949	rs76300060	G	A	-0.272	0.047	0.065	1.04E-08	-0.026	0.037	0.474	0.009	32.744	TRUE	2.35E-08
Non-allergic asthma	RPTOR	cg08314949	rs9905501	T	C	0.257	0.025	0.341	4.45E-25	-0.007	0.017	0.658	0.028	106.942	TRUE	2.96E-24
Non-allergic asthma	RPTOR	cg08329754	rs11150745	G	A	-0.324	0.025	0.314	4.06E-38	-0.017	0.018	0.343	0.043	166.524	TRUE	2.16E-36
Non-allergic asthma	RPTOR	cg08329754	rs12943620	T	G	-0.178	0.027	0.225	5.13E-11	0.010	0.020	0.618	0.012	43.105	TRUE	1.17E-10
Non-allergic asthma	RPTOR	cg08329754	rs7210110	A	G	-0.357	0.029	0.200	4.54E-34	-0.016	0.022	0.477	0.038	148.005	TRUE	1.06E-32
Non-allergic asthma	RPTOR	cg08329754	rs77420162	A	G	-0.352	0.062	0.040	1.50E-08	0.035	0.049	0.481	0.009	32.031	TRUE	3.32E-08
Non-allergic asthma	RPTOR	cg08329754	rs8080789	A	G	0.532	0.036	0.118	1.55E-48	-0.028	0.028	0.316	0.055	214.226	TRUE	3.47E-46
Non-allergic asthma	RPTOR	cg08454507	rs11651724	A	G	-0.317	0.037	0.117	9.32E-18	0.002	0.021	0.939	0.020	73.612	TRUE	2.29E-17
Non-allergic asthma	RPTOR	cg08454507	rs117209908	A	G	-0.467	0.050	0.059	1.68E-20	0.033	0.036	0.364	0.023	86.086	TRUE	1.27E-19
Non-allergic asthma	RPTOR	cg08454507	rs117620031	C	T	-0.558	0.101	0.014	3.85E-08	-0.006	0.083	0.939	0.008	30.209	TRUE	5.38E-08
Non-allergic asthma	RPTOR	cg08454507	rs118107399	T	C	1.290	0.148	0.014	2.51E-18	-0.081	0.096	0.394	0.020	76.200	TRUE	1.46E-17
Non-allergic asthma	RPTOR	cg08454507	rs11869626	C	A	0.151	0.023	0.476	1.01E-10	-0.015	0.016	0.347	0.011	41.776	TRUE	3.20E-10
Non-allergic asthma	RPTOR	cg08454507	rs12945810	T	C	0.373	0.023	0.413	2.48E-57	0.002	0.016	0.915	0.064	254.542	TRUE	3.59E-55
Non-allergic asthma	RPTOR	cg08454507	rs2004184	C	T	-0.162	0.026	0.265	6.71E-10	0.000	0.018	0.983	0.010	38.082	TRUE	9.87E-10
Non-allergic asthma	RPTOR	cg08454507	rs35904260	G	A	0.297	0.023	0.445	3.10E-37	0.005	0.016	0.742	0.042	162.482	TRUE	5.79E-36

Non-allergic asthma	RPTOR	cg08454507	rs62067893	T	C	-0.572	0.069	0.037	1.63E-16	-0.023	0.048	0.632	0.018	67.973	TRUE	5.52E-16
Non-allergic asthma	RPTOR	cg08454507	rs72856013	A	G	-0.403	0.036	0.120	1.96E-29	-0.018	0.022	0.399	0.033	126.827	TRUE	3.36E-28
Non-allergic asthma	RPTOR	cg08454507	rs72858219	A	G	-0.379	0.028	0.212	1.13E-40	0.001	0.021	0.950	0.046	178.221	TRUE	2.00E-39
Non-allergic asthma	RPTOR	cg08454507	rs8080789	A	G	1.021	0.035	0.118	9.62E-190	-0.028	0.028	0.316	0.189	862.774	TRUE	1.55E-172
Non-allergic asthma	RPTOR	cg08454507	rs9911979	A	G	-0.695	0.026	0.249	8.73E-155	0.016	0.017	0.349	0.160	702.079	TRUE	1.69E-142
Non-allergic asthma	RPTOR	cg08939850	rs11150745	G	A	-0.255	0.025	0.314	4.99E-24	-0.017	0.018	0.343	0.027	102.156	TRUE	5.59E-23
Non-allergic asthma	RPTOR	cg08939850	rs114177791	T	G	0.173	0.028	0.215	1.16E-09	-0.004	0.020	0.843	0.010	37.016	TRUE	1.92E-09
Non-allergic asthma	RPTOR	cg08939850	rs138464941	C	T	0.366	0.066	0.028	3.53E-08	0.001	0.040	0.978	0.008	30.374	TRUE	4.79E-08
Non-allergic asthma	RPTOR	cg08939850	rs4969429	A	G	0.160	0.026	0.273	1.42E-09	-0.002	0.018	0.900	0.010	36.627	TRUE	2.21E-09
Non-allergic asthma	RPTOR	cg08939850	rs62070202	T	C	-0.230	0.042	0.079	4.54E-08	-0.029	0.032	0.364	0.008	29.889	TRUE	1.11E-07
Non-allergic asthma	RPTOR	cg08939850	rs7217174	T	C	-0.317	0.029	0.201	3.03E-27	-0.014	0.022	0.521	0.031	116.831	TRUE	3.18E-26
Non-allergic asthma	RPTOR	cg09001356	rs11150745	G	A	-0.292	0.025	0.314	3.04E-31	-0.017	0.018	0.343	0.035	135.091	TRUE	7.31E-30
Non-allergic asthma	RPTOR	cg09001356	rs35926934	A	G	0.364	0.037	0.117	3.88E-23	0.028	0.028	0.315	0.026	98.098	TRUE	4.24E-22
Non-allergic asthma	RPTOR	cg09001356	rs62070202	T	C	-0.331	0.042	0.079	2.37E-15	-0.029	0.032	0.364	0.017	62.694	TRUE	1.11E-14
Non-allergic asthma	RPTOR	cg09001356	rs7210110	A	G	-0.430	0.029	0.200	4.56E-49	-0.016	0.022	0.477	0.055	216.664	TRUE	6.56E-47
Non-allergic asthma	RPTOR	cg09175325	rs35904260	G	A	0.138	0.023	0.445	3.90E-09	0.005	0.016	0.742	0.009	34.657	TRUE	6.88E-09
Non-allergic asthma	RPTOR	cg09175325	rs62067239	T	C	-0.284	0.041	0.090	3.88E-12	-0.004	0.031	0.910	0.013	48.157	TRUE	6.95E-12
Non-allergic asthma	RPTOR	cg09175325	rs7212125	G	A	0.241	0.037	0.120	4.58E-11	-0.046	0.032	0.150	0.012	43.324	TRUE	2.22E-10
Non-allergic asthma	RPTOR	cg09175325	rs9904611	A	G	-0.211	0.027	0.254	8.38E-15	-0.016	0.020	0.425	0.016	60.211	TRUE	3.36E-14
Non-allergic asthma	RPTOR	cg09516200	rs10468603	C	T	0.198	0.024	0.413	1.70E-16	-0.009	0.016	0.592	0.018	67.885	TRUE	6.09E-16
Non-allergic asthma	RPTOR	cg09516200	rs11150746	G	A	0.218	0.025	0.332	2.16E-18	0.018	0.016	0.285	0.020	76.495	TRUE	1.58E-17
Non-allergic asthma	RPTOR	cg09516200	rs4072746	T	C	-0.236	0.038	0.115	6.28E-10	0.027	0.020	0.172	0.010	38.211	TRUE	2.54E-09
Non-allergic asthma	RPTOR	cg09516200	rs4516281	T	C	-0.375	0.044	0.076	1.88E-17	0.008	0.034	0.812	0.019	72.223	TRUE	5.37E-17
Non-allergic asthma	RPTOR	cg09516200	rs4522458	T	C	-0.176	0.027	0.238	1.35E-10	-0.006	0.018	0.730	0.011	41.211	TRUE	2.66E-10
Non-allergic asthma	RPTOR	cg09516200	rs4969404	T	C	-0.338	0.024	0.402	1.34E-45	0.006	0.016	0.723	0.051	200.778	TRUE	6.71E-44
Non-allergic asthma	RPTOR	cg09592546	rs118107399	T	C	-1.409	0.147	0.014	1.23E-21	-0.081	0.096	0.394	0.024	91.257	TRUE	9.72E-21
Non-allergic asthma	RPTOR	cg09592546	rs144987811	A	G	-1.082	0.186	0.010	6.40E-09	-0.066	0.167	0.694	0.009	33.692	TRUE	1.17E-08
Non-allergic asthma	RPTOR	cg09592546	rs2019040	A	T	0.205	0.033	0.133	6.17E-10	0.020	0.022	0.365	0.010	38.248	TRUE	1.77E-09
Non-allergic asthma	RPTOR	cg09592546	rs2672871	C	G	0.186	0.030	0.187	6.46E-10	-0.016	0.024	0.522	0.010	38.156	TRUE	1.52E-09
Non-allergic asthma	RPTOR	cg09592546	rs2672901	T	C	-0.390	0.024	0.353	3.15E-58	0.003	0.016	0.872	0.065	258.652	TRUE	5.70E-56
Non-allergic asthma	RPTOR	cg09592546	rs4889782	C	T	-0.349	0.024	0.402	3.55E-47	-0.011	0.016	0.477	0.053	207.998	TRUE	3.99E-45
Non-allergic asthma	RPTOR	cg09592546	rs57677341	G	A	-1.126	0.030	0.137	<1E-200	-0.004	0.026	0.887	0.278	1422.024	TRUE	9.98E-274
Non-allergic asthma	RPTOR	cg09592546	rs72853757	C	T	0.208	0.033	0.146	3.72E-10	-0.020	0.021	0.330	0.010	39.236	TRUE	1.15E-09
Non-allergic asthma	RPTOR	cg09592546	rs74002861	C	A	0.262	0.043	0.078	1.54E-09	0.016	0.024	0.504	0.010	36.462	TRUE	3.59E-09
Non-allergic asthma	RPTOR	cg09592546	rs8069962	G	A	-0.320	0.023	0.471	6.24E-44	0.005	0.016	0.758	0.050	193.134	TRUE	2.38E-42
Non-allergic asthma	RPTOR	cg09592546	rs8079537	G	A	-0.399	0.023	0.443	3.36E-67	-0.022	0.016	0.172	0.075	299.800	TRUE	2.66E-63
Non-allergic asthma	RPTOR	cg09596252	rs112401820	A	G	-0.451	0.069	0.065	4.48E-11	-0.019	0.032	0.553	0.012	43.369	TRUE	1.11E-10
Non-allergic asthma	RPTOR	cg09596252	rs139980334	C	T	0.263	0.047	0.065	1.70E-08	-0.019	0.034	0.565	0.009	31.798	TRUE	3.41E-08
Non-allergic asthma	RPTOR	cg09596252	rs34713877	A	G	0.563	0.091	0.036	6.86E-10	-0.030	0.053	0.566	0.010	38.040	TRUE	1.53E-09
Non-allergic asthma	RPTOR	cg09596252	rs4890056	C	T	0.211	0.022	0.447	5.90E-21	-0.024	0.016	0.150	0.023	88.156	TRUE	8.46E-20
Non-allergic asthma	RPTOR	cg09794615	rs2271607	C	T	0.486	0.028	0.220	1.79E-65	-0.029	0.018	0.110	0.073	291.882	TRUE	1.69E-61
Non-allergic asthma	RPTOR	cg09794615	rs2340773	T	C	-0.229	0.037	0.116	8.92E-10	-0.028	0.028	0.316	0.010	37.528	TRUE	2.71E-09

Non-allergic asthma	RPTOR	cg09794615	rs55833830	A	C	-0.208	0.028	0.235	1.90E-13	-0.005	0.018	0.767	0.014	54.081	TRUE	4.32E-13
Non-allergic asthma	RPTOR	cg09794615	rs7502001	G	T	-0.295	0.034	0.132	5.37E-18	0.036	0.022	0.103	0.020	74.700	TRUE	6.75E-17
Non-allergic asthma	RPTOR	cg09803959	rs11868966	C	A	1.035	0.028	0.167	1.73E-302	0.005	0.021	0.802	0.273	1385.829	TRUE	2.71E-267
Non-allergic asthma	RPTOR	cg09803959	rs12603933	G	A	-0.136	0.024	0.467	8.70E-09	0.007	0.016	0.638	0.009	33.095	TRUE	1.66E-08
Non-allergic asthma	RPTOR	cg09803959	rs143673290	A	G	0.539	0.089	0.039	1.36E-09	0.002	0.056	0.965	0.010	36.700	TRUE	2.01E-09
Non-allergic asthma	RPTOR	cg09803959	rs149099062	A	G	0.978	0.140	0.015	2.40E-12	0.096	0.106	0.368	0.013	49.096	TRUE	8.51E-12
Non-allergic asthma	RPTOR	cg09803959	rs56273414	C	T	0.213	0.033	0.146	1.40E-10	-0.020	0.021	0.330	0.011	41.148	TRUE	4.48E-10
Non-allergic asthma	RPTOR	cg09803959	rs62068487	A	G	-0.263	0.025	0.319	1.75E-25	-0.006	0.017	0.723	0.029	108.794	TRUE	1.08E-24
Non-allergic asthma	RPTOR	cg09803959	rs7225916	G	T	0.157	0.026	0.272	2.95E-09	0.000	0.018	0.987	0.009	35.201	TRUE	4.17E-09
Non-allergic asthma	RPTOR	cg09803959	rs72850551	A	G	0.448	0.065	0.036	7.28E-12	-0.038	0.043	0.377	0.013	46.925	TRUE	2.44E-11
Non-allergic asthma	RPTOR	cg09803959	rs7502841	A	G	0.321	0.027	0.232	1.03E-31	-0.029	0.019	0.142	0.036	137.248	TRUE	5.37E-30
Non-allergic asthma	RPTOR	cg09803959	rs77183052	A	G	0.941	0.170	0.012	3.18E-08	0.036	0.036	0.326	0.008	30.581	TRUE	8.25E-08
Non-allergic asthma	RPTOR	cg09929238	rs138537551	T	C	-0.309	0.045	0.070	6.90E-12	0.011	0.036	0.754	0.013	47.030	TRUE	1.44E-11
Non-allergic asthma	RPTOR	cg09929238	rs1567961	C	T	-0.160	0.024	0.392	1.61E-11	-0.015	0.016	0.369	0.012	45.365	TRUE	5.30E-11
Non-allergic asthma	RPTOR	cg09929238	rs62068268	T	C	-0.363	0.041	0.090	9.76E-19	-0.002	0.031	0.956	0.021	78.065	TRUE	2.51E-18
Non-allergic asthma	RPTOR	cg09929238	rs62070201	A	G	0.341	0.044	0.069	7.02E-15	-0.050	0.033	0.135	0.016	60.559	TRUE	5.43E-14
Non-allergic asthma	RPTOR	cg09929238	rs8076974	G	A	0.447	0.026	0.263	4.60E-64	0.015	0.017	0.371	0.072	285.410	TRUE	8.39E-61
Non-allergic asthma	RPTOR	cg09929238	rs9890103	C	G	-0.164	0.024	0.353	2.47E-11	0.002	0.016	0.915	0.012	44.531	TRUE	4.20E-11
Non-allergic asthma	RPTOR	cg09977718	rs113059224	A	G	-0.261	0.043	0.070	1.36E-09	0.013	0.027	0.613	0.010	36.707	TRUE	2.82E-09
Non-allergic asthma	RPTOR	cg09977718	rs113714895	T	C	-0.387	0.043	0.080	1.24E-19	-0.002	0.029	0.956	0.022	82.141	TRUE	3.39E-19
Non-allergic asthma	RPTOR	cg09977718	rs12103906	T	C	0.211	0.024	0.419	1.20E-18	-0.007	0.016	0.684	0.021	77.652	TRUE	4.48E-18
Non-allergic asthma	RPTOR	cg09977718	rs12602601	T	G	0.335	0.025	0.309	6.92E-41	-0.010	0.017	0.563	0.046	179.194	TRUE	2.87E-39
Non-allergic asthma	RPTOR	cg09977718	rs183036865	A	G	-0.351	0.056	0.041	4.78E-10	0.015	0.040	0.705	0.010	38.744	TRUE	9.30E-10
Non-allergic asthma	RPTOR	cg09977718	rs2289762	A	G	-0.772	0.025	0.245	5.15E-205	-0.004	0.019	0.838	0.201	932.985	TRUE	1.06E-186
Non-allergic asthma	RPTOR	cg09977718	rs2289764	C	T	0.265	0.027	0.241	4.61E-22	0.010	0.018	0.572	0.025	93.198	TRUE	2.72E-21
Non-allergic asthma	RPTOR	cg09977718	rs36022926	T	A	0.163	0.027	0.250	1.47E-09	-0.015	0.017	0.382	0.010	36.560	TRUE	3.98E-09
Non-allergic asthma	RPTOR	cg09977718	rs60323363	A	G	-0.174	0.024	0.412	1.56E-13	-0.022	0.016	0.176	0.015	54.464	TRUE	9.18E-13
Non-allergic asthma	RPTOR	cg09977718	rs72850524	T	C	-0.363	0.064	0.037	1.32E-08	0.054	0.050	0.283	0.009	32.283	TRUE	3.78E-08
Non-allergic asthma	RPTOR	cg09977718	rs9897319	A	G	-0.304	0.025	0.354	3.93E-34	0.029	0.016	0.073	0.039	148.296	TRUE	4.45E-32
Non-allergic asthma	RPTOR	cg10035831	rs11548824	A	G	-0.235	0.034	0.154	2.64E-12	-0.033	0.022	0.132	0.013	48.914	TRUE	1.55E-11
Non-allergic asthma	RPTOR	cg10035831	rs11656061	A	G	-0.541	0.023	0.436	8.92E-122	0.006	0.016	0.732	0.130	550.388	TRUE	4.44E-114
Non-allergic asthma	RPTOR	cg10035831	rs11658145	C	T	0.162	0.027	0.246	2.05E-09	-0.023	0.019	0.214	0.010	35.906	TRUE	7.18E-09
Non-allergic asthma	RPTOR	cg10035831	rs11869318	C	T	0.146	0.024	0.470	6.63E-10	0.006	0.016	0.722	0.010	38.106	TRUE	1.26E-09
Non-allergic asthma	RPTOR	cg10035831	rs12936701	C	A	0.418	0.039	0.105	2.16E-27	0.040	0.024	0.094	0.031	117.498	TRUE	8.75E-26
Non-allergic asthma	RPTOR	cg10035831	rs13341621	A	G	0.570	0.050	0.080	1.50E-30	0.027	0.033	0.419	0.034	131.925	TRUE	2.76E-29
Non-allergic asthma	RPTOR	cg10035831	rs149099062	A	G	1.065	0.139	0.015	2.24E-14	0.096	0.106	0.368	0.016	58.275	TRUE	9.52E-14
Non-allergic asthma	RPTOR	cg10035831	rs2289766	G	A	1.063	0.027	0.167	<1E-200	0.011	0.022	0.630	0.288	1499.193	TRUE	2.85E-286
Non-allergic asthma	RPTOR	cg10035831	rs4969236	C	T	-0.281	0.023	0.495	2.77E-33	-0.006	0.016	0.701	0.038	144.414	TRUE	3.72E-32
Non-allergic asthma	RPTOR	cg10035831	rs62068550	A	G	-0.218	0.035	0.143	3.42E-10	0.013	0.024	0.591	0.011	39.397	TRUE	7.59E-10
Non-allergic asthma	RPTOR	cg10035831	rs66463810	A	G	-0.160	0.025	0.340	1.00E-10	0.014	0.016	0.377	0.011	41.790	TRUE	3.04E-10
Non-allergic asthma	RPTOR	cg10035831	rs7220687	C	T	0.236	0.026	0.289	6.70E-20	-0.046	0.018	0.012	0.022	83.356	TRUE	2.71E-18
Non-allergic asthma	RPTOR	cg10035831	rs72853711	C	T	0.211	0.037	0.115	1.07E-08	0.003	0.026	0.921	0.009	32.686	TRUE	1.57E-08

Non-allergic asthma	RPTOR	cg10035831	rs7502321	C	T	0.197	0.024	0.386	2.18E-16	0.017	0.016	0.298	0.018	67.395	TRUE	1.28E-15
Non-allergic asthma	RPTOR	cg10281768	rs10468603	C	T	-0.409	0.024	0.413	3.70E-67	-0.009	0.016	0.592	0.075	299.606	TRUE	5.32E-64
Non-allergic asthma	RPTOR	cg10281768	rs117635805	T	A	0.337	0.042	0.083	1.00E-15	0.019	0.034	0.573	0.017	64.396	TRUE	3.46E-15
Non-allergic asthma	RPTOR	cg10281768	rs118065301	A	G	0.732	0.109	0.026	2.17E-11	-0.012	0.061	0.840	0.012	44.782	TRUE	4.01E-11
Non-allergic asthma	RPTOR	cg10281768	rs12936509	G	A	0.337	0.040	0.092	2.09E-17	-0.030	0.030	0.314	0.019	72.019	TRUE	1.30E-16
Non-allergic asthma	RPTOR	cg10281768	rs4969429	A	G	-0.240	0.026	0.273	7.22E-20	-0.002	0.018	0.900	0.022	83.209	TRUE	2.17E-19
Non-allergic asthma	RPTOR	cg10281768	rs62068358	G	A	-0.263	0.041	0.092	1.45E-10	0.002	0.032	0.958	0.011	41.075	TRUE	2.26E-10
Non-allergic asthma	RPTOR	cg10281768	rs74002883	T	G	-0.222	0.031	0.173	6.18E-13	0.022	0.019	0.248	0.014	51.761	TRUE	2.88E-12
Non-allergic asthma	RPTOR	cg10281768	rs746405	G	T	-0.146	0.024	0.418	1.16E-09	-0.001	0.016	0.933	0.010	37.020	TRUE	1.76E-09
Non-allergic asthma	RPTOR	cg10281768	rs9893680	G	T	-0.198	0.024	0.383	2.56E-16	-0.023	0.017	0.164	0.018	67.080	TRUE	2.10E-15
Non-allergic asthma	RPTOR	cg10490202	rs1045626	T	C	-0.213	0.024	0.467	2.26E-19	0.020	0.016	0.214	0.021	80.952	TRUE	2.20E-18
Non-allergic asthma	RPTOR	cg10490202	rs113714895	T	C	-0.265	0.043	0.080	5.09E-10	-0.002	0.029	0.956	0.010	38.621	TRUE	7.73E-10
Non-allergic asthma	RPTOR	cg10490202	rs11656246	A	G	-0.466	0.026	0.241	4.27E-70	0.003	0.019	0.891	0.078	313.086	TRUE	4.26E-67
Non-allergic asthma	RPTOR	cg10490202	rs2289764	C	T	0.359	0.027	0.241	1.03E-39	0.010	0.018	0.572	0.045	173.834	TRUE	3.63E-38
Non-allergic asthma	RPTOR	cg10490202	rs908236	C	G	0.277	0.025	0.351	1.39E-29	-0.005	0.016	0.750	0.033	127.511	TRUE	1.19E-28
Non-allergic asthma	RPTOR	cg10508138	rs1012117	A	G	-0.310	0.025	0.313	1.27E-36	0.027	0.018	0.130	0.041	159.683	TRUE	1.33E-34
Non-allergic asthma	RPTOR	cg10508138	rs113714895	T	C	-0.236	0.042	0.080	2.18E-08	-0.002	0.029	0.956	0.008	31.313	TRUE	3.04E-08
Non-allergic asthma	RPTOR	cg10538214	rs112661218	A	C	-0.373	0.027	0.221	7.37E-42	0.009	0.018	0.606	0.047	183.645	TRUE	3.10E-40
Non-allergic asthma	RPTOR	cg10538214	rs2271612	C	T	-0.145	0.023	0.480	5.97E-10	0.028	0.016	0.080	0.010	38.311	TRUE	3.23E-09
Non-allergic asthma	RPTOR	cg10585621	rs9909563	T	A	-0.196	0.027	0.269	3.21E-13	0.011	0.017	0.545	0.014	53.049	TRUE	9.47E-13
Non-allergic asthma	RPTOR	cg10693767	rs72852801	A	G	0.257	0.044	0.076	5.11E-09	-0.002	0.032	0.950	0.009	34.130	TRUE	7.40E-09
Non-allergic asthma	RPTOR	cg10693767	rs9890864	G	A	-0.211	0.030	0.189	2.63E-12	0.013	0.018	0.495	0.013	48.917	TRUE	7.73E-12
Non-allergic asthma	RPTOR	cg10752731	rs11868966	C	A	-0.178	0.032	0.167	2.08E-08	0.005	0.021	0.802	0.008	31.404	TRUE	3.32E-08
Non-allergic asthma	RPTOR	cg10752731	rs138099755	A	G	-0.977	0.161	0.012	1.31E-09	0.028	0.094	0.768	0.010	36.785	TRUE	2.32E-09
Non-allergic asthma	RPTOR	cg10752731	rs571430539	C	T	-1.496	0.082	0.022	3.00E-74	0.010	0.053	0.855	0.082	332.140	TRUE	6.44E-71
Non-allergic asthma	RPTOR	cg10752731	rs7220687	C	T	-0.170	0.026	0.289	5.87E-11	-0.046	0.018	0.012	0.011	42.841	TRUE	6.45E-10
Non-allergic asthma	RPTOR	cg10880603	rs4969293	A	T	0.198	0.028	0.211	2.52E-12	0.012	0.018	0.499	0.013	49.005	TRUE	7.36E-12
Non-allergic asthma	RPTOR	cg11153071	rs2291360	A	G	0.325	0.025	0.367	1.18E-39	0.004	0.016	0.787	0.045	173.552	TRUE	2.61E-38
Non-allergic asthma	RPTOR	cg11153071	rs62069685	C	G	-0.319	0.041	0.091	8.37E-15	0.003	0.031	0.924	0.016	60.214	TRUE	1.73E-14
Non-allergic asthma	RPTOR	cg11153071	rs7209452	A	G	0.185	0.029	0.203	1.91E-10	-0.001	0.021	0.971	0.011	40.535	TRUE	2.92E-10
Non-allergic asthma	RPTOR	cg11222173	rs2291360	A	G	0.300	0.025	0.367	4.84E-34	0.004	0.016	0.787	0.038	147.882	TRUE	5.94E-33
Non-allergic asthma	RPTOR	cg11303920	rs12951739	T	G	0.255	0.023	0.455	5.39E-28	0.000	0.016	0.979	0.031	120.253	TRUE	2.70E-27
Non-allergic asthma	RPTOR	cg11303920	rs4889881	C	T	-0.323	0.037	0.114	3.64E-18	-0.038	0.032	0.239	0.020	75.468	TRUE	2.91E-17
Non-allergic asthma	RPTOR	cg11476241	rs11656246	A	G	-0.347	0.027	0.241	8.96E-39	0.003	0.019	0.891	0.044	169.528	TRUE	1.46E-37
Non-allergic asthma	RPTOR	cg11476241	rs149099062	A	G	0.929	0.140	0.015	3.00E-11	0.096	0.106	0.368	0.012	44.153	TRUE	9.64E-11
Non-allergic asthma	RPTOR	cg11476241	rs2280146	G	A	0.872	0.025	0.218	2.58E-275	0.005	0.018	0.777	0.254	1256.256	TRUE	1.14E-244
Non-allergic asthma	RPTOR	cg11476241	rs56273414	C	T	0.194	0.033	0.146	5.05E-09	-0.020	0.021	0.330	0.009	34.153	TRUE	1.40E-08
Non-allergic asthma	RPTOR	cg11476241	rs62068550	A	G	-0.229	0.035	0.143	4.22E-11	0.013	0.024	0.591	0.012	43.487	TRUE	1.00E-10
Non-allergic asthma	RPTOR	cg11476241	rs66485222	A	G	0.490	0.067	0.035	2.25E-13	-0.027	0.049	0.583	0.014	53.747	TRUE	6.39E-13
Non-allergic asthma	RPTOR	cg11476241	rs7220687	C	T	0.355	0.026	0.289	1.87E-43	-0.046	0.018	0.012	0.049	190.950	TRUE	2.49E-40
Non-allergic asthma	RPTOR	cg11476241	rs72859646	T	C	0.536	0.068	0.026	4.27E-15	0.025	0.035	0.475	0.016	61.539	TRUE	1.62E-14
Non-allergic asthma	RPTOR	cg11476241	rs8071514	C	A	0.149	0.024	0.453	3.03E-10	-0.015	0.016	0.328	0.011	39.636	TRUE	9.44E-10

Non-allergic asthma	RPTOR	cg11499091	rs2589138	T	C	-0.342	0.028	0.230	1.43E-34	0.002	0.018	0.902	0.039	150.298	TRUE	1.49E-33
Non-allergic asthma	RPTOR	cg11499091	rs35524093	G	A	0.163	0.025	0.342	2.93E-11	-0.018	0.018	0.300	0.012	44.201	TRUE	1.05E-10
Non-allergic asthma	RPTOR	cg11499091	rs72851580	T	A	-0.369	0.057	0.048	1.28E-10	-0.011	0.038	0.778	0.011	41.324	TRUE	2.39E-10
Non-allergic asthma	RPTOR	cg11499091	rs8071397	A	G	0.150	0.025	0.333	3.78E-09	-0.001	0.017	0.967	0.009	34.715	TRUE	5.43E-09
Non-allergic asthma	RPTOR	cg11637695	rs12944497	T	C	-0.253	0.024	0.406	1.73E-26	-0.015	0.016	0.354	0.030	113.374	TRUE	2.43E-25
Non-allergic asthma	RPTOR	cg11790527	rs62067889	G	C	0.372	0.029	0.199	8.44E-37	-0.029	0.024	0.224	0.042	160.497	TRUE	5.75E-35
Non-allergic asthma	RPTOR	cg11949518	rs112815991	T	C	0.325	0.044	0.071	9.01E-14	0.010	0.031	0.755	0.015	55.542	TRUE	2.13E-13
Non-allergic asthma	RPTOR	cg11949518	rs11548824	A	G	0.297	0.034	0.154	7.00E-19	-0.033	0.022	0.132	0.021	78.720	TRUE	8.55E-18
Non-allergic asthma	RPTOR	cg11949518	rs11655877	C	T	0.195	0.024	0.406	1.71E-16	-0.023	0.017	0.170	0.018	67.873	TRUE	1.40E-15
Non-allergic asthma	RPTOR	cg11949518	rs138780442	C	A	-0.609	0.107	0.031	1.23E-08	-0.011	0.078	0.892	0.009	32.420	TRUE	1.84E-08
Non-allergic asthma	RPTOR	cg11949518	rs183036865	A	G	0.506	0.056	0.041	2.01E-19	0.015	0.040	0.705	0.021	81.182	TRUE	7.72E-19
Non-allergic asthma	RPTOR	cg11949518	rs2289760	T	C	0.530	0.026	0.249	1.39E-94	-0.007	0.019	0.719	0.103	425.487	TRUE	1.82E-89
Non-allergic asthma	RPTOR	cg11949518	rs34410650	G	A	0.274	0.027	0.239	1.54E-23	-0.014	0.017	0.416	0.026	99.926	TRUE	1.40E-22
Non-allergic asthma	RPTOR	cg11949518	rs3751934	A	C	0.397	0.024	0.401	2.09E-62	0.005	0.016	0.735	0.070	277.814	TRUE	9.72E-60
Non-allergic asthma	RPTOR	cg11949518	rs4073045	C	G	-0.324	0.053	0.045	1.28E-09	-0.032	0.030	0.285	0.010	36.830	TRUE	4.02E-09
Non-allergic asthma	RPTOR	cg11949518	rs4969229	T	C	-0.801	0.080	0.050	1.75E-23	-0.047	0.052	0.362	0.026	99.669	TRUE	1.78E-22
Non-allergic asthma	RPTOR	cg11949518	rs4969231	T	C	-0.699	0.024	0.314	3.45E-180	-0.011	0.018	0.539	0.181	818.847	TRUE	6.21E-165
Non-allergic asthma	RPTOR	cg11949518	rs55803650	A	C	0.521	0.092	0.017	1.71E-08	0.013	0.053	0.805	0.009	31.779	TRUE	2.74E-08
Non-allergic asthma	RPTOR	cg11949518	rs56960771	T	C	0.243	0.025	0.310	4.90E-22	0.014	0.016	0.373	0.025	93.079	TRUE	4.21E-21
Non-allergic asthma	RPTOR	cg11949518	rs6565491	C	T	-0.705	0.033	0.132	1.22E-99	0.036	0.022	0.105	0.108	448.703	TRUE	1.04E-92
Non-allergic asthma	RPTOR	cg11949518	rs67198902	G	T	0.218	0.031	0.186	1.37E-12	-0.017	0.020	0.406	0.013	50.196	TRUE	4.68E-12
Non-allergic asthma	RPTOR	cg11949518	rs7208789	T	C	-0.217	0.039	0.107	2.88E-08	-0.049	0.031	0.112	0.008	30.770	TRUE	1.13E-07
Non-allergic asthma	RPTOR	cg11949518	rs72850524	T	C	0.398	0.064	0.037	4.31E-10	0.054	0.050	0.283	0.010	38.947	TRUE	1.42E-09
Non-allergic asthma	RPTOR	cg11949518	rs74004829	C	T	0.372	0.043	0.092	7.91E-18	0.049	0.024	0.046	0.020	73.934	TRUE	1.42E-16
Non-allergic asthma	RPTOR	cg11949518	rs868432	A	G	0.888	0.018	0.444	<1E-200	-0.001	0.016	0.971	0.392	2389.417	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg11949518	rs9903399	C	T	0.279	0.041	0.222	6.46E-12	-0.003	0.021	0.879	0.013	47.158	TRUE	1.18E-11
Non-allergic asthma	RPTOR	cg11949518	rs9915393	G	C	0.703	0.026	0.258	1.37E-165	-0.041	0.017	0.018	0.169	751.746	TRUE	6.24E-150
Non-allergic asthma	RPTOR	cg12078154	rs118120008	A	G	-0.572	0.104	0.013	3.81E-08	-0.018	0.068	0.791	0.008	30.230	TRUE	6.05E-08
Non-allergic asthma	RPTOR	cg12078154	rs12939768	T	A	-1.183	0.020	0.226	<1E-200	-0.014	0.018	0.428	0.486	3502.871	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg12078154	rs142546211	A	G	-0.752	0.109	0.019	4.28E-12	-0.003	0.064	0.966	0.013	47.965	TRUE	7.20E-12
Non-allergic asthma	RPTOR	cg12078154	rs183036865	A	G	0.483	0.056	0.041	8.45E-18	0.015	0.040	0.705	0.020	73.805	TRUE	2.85E-17
Non-allergic asthma	RPTOR	cg12078154	rs2289764	C	T	-0.264	0.027	0.241	7.99E-22	0.010	0.018	0.572	0.024	92.110	TRUE	4.62E-21
Non-allergic asthma	RPTOR	cg12078154	rs4969219	G	T	-0.140	0.024	0.388	8.15E-09	-0.017	0.017	0.307	0.009	33.221	TRUE	2.30E-08
Non-allergic asthma	RPTOR	cg12078154	rs62075432	A	G	-0.152	0.027	0.261	2.16E-08	-0.004	0.018	0.838	0.008	31.326	TRUE	3.35E-08
Non-allergic asthma	RPTOR	cg12078154	rs71368095	A	G	0.709	0.027	0.219	1.56E-155	-0.004	0.019	0.837	0.160	705.520	TRUE	3.89E-144
Non-allergic asthma	RPTOR	cg12078154	rs72850524	T	C	0.452	0.064	0.037	1.37E-12	0.054	0.050	0.283	0.013	50.203	TRUE	5.74E-12
Non-allergic asthma	RPTOR	cg12078154	rs72859646	T	C	-0.917	0.068	0.026	7.23E-42	0.025	0.035	0.475	0.047	183.684	TRUE	4.20E-40
Non-allergic asthma	RPTOR	cg12078154	rs76300060	G	A	-0.268	0.047	0.065	1.73E-08	-0.026	0.037	0.474	0.009	31.761	TRUE	3.83E-08
Non-allergic asthma	RPTOR	cg12078154	rs9905501	T	C	0.284	0.025	0.341	1.84E-30	-0.007	0.017	0.658	0.034	131.514	TRUE	2.03E-29
Non-allergic asthma	RPTOR	cg12088417	rs117805133	T	C	-0.550	0.089	0.017	5.82E-10	-0.092	0.091	0.312	0.010	38.362	TRUE	1.81E-09
Non-allergic asthma	RPTOR	cg12088417	rs117865905	C	T	-0.723	0.113	0.024	1.64E-10	0.148	0.091	0.103	0.011	40.838	TRUE	8.62E-10
Non-allergic asthma	RPTOR	cg12088417	rs118003029	A	G	-0.431	0.055	0.089	2.60E-15	0.035	0.031	0.266	0.017	62.511	TRUE	1.47E-14

Non-allergic asthma	RPTOR	cg12088417	rs118099953	T	C	-0.515	0.063	0.036	3.58E-16	0.042	0.041	0.304	0.018	66.421	TRUE	2.02E-15
Non-allergic asthma	RPTOR	cg12088417	rs11869826	A	G	-0.709	0.024	0.310	4.00E-192	-0.001	0.017	0.960	0.191	873.720	TRUE	5.55E-176
Non-allergic asthma	RPTOR	cg12088417	rs12450690	T	G	-0.182	0.026	0.264	4.51E-12	0.013	0.017	0.440	0.013	47.862	TRUE	1.40E-11
Non-allergic asthma	RPTOR	cg12088417	rs12451164	T	C	0.281	0.027	0.237	3.18E-25	-0.009	0.019	0.630	0.028	107.609	TRUE	2.25E-24
Non-allergic asthma	RPTOR	cg12088417	rs28364735	C	T	-0.206	0.025	0.280	3.56E-16	0.009	0.018	0.620	0.018	66.431	TRUE	1.19E-15
Non-allergic asthma	RPTOR	cg12088417	rs34479366	C	T	0.278	0.029	0.198	4.55E-21	-0.029	0.024	0.219	0.023	88.673	TRUE	5.20E-20
Non-allergic asthma	RPTOR	cg12088417	rs35904260	G	A	0.264	0.023	0.445	1.40E-29	0.005	0.016	0.742	0.033	127.489	TRUE	1.21E-28
Non-allergic asthma	RPTOR	cg12088417	rs4522458	T	C	-0.161	0.027	0.238	4.36E-09	-0.006	0.018	0.730	0.009	34.435	TRUE	7.78E-09
Non-allergic asthma	RPTOR	cg12088417	rs4889855	G	A	0.231	0.032	0.162	2.71E-13	0.006	0.021	0.764	0.014	53.378	TRUE	6.14E-13
Non-allergic asthma	RPTOR	cg12088417	rs62067893	T	C	-0.624	0.069	0.037	2.28E-19	-0.023	0.048	0.632	0.021	80.939	TRUE	9.70E-19
Non-allergic asthma	RPTOR	cg12088417	rs72856013	A	G	-0.307	0.036	0.120	1.17E-17	-0.018	0.022	0.399	0.019	73.160	TRUE	6.33E-17
Non-allergic asthma	RPTOR	cg12088417	rs74003912	A	G	-0.251	0.030	0.199	1.82E-17	-0.004	0.022	0.872	0.019	72.290	TRUE	4.79E-17
Non-allergic asthma	RPTOR	cg12088417	rs9909563	T	A	-0.186	0.027	0.269	3.88E-12	0.011	0.017	0.545	0.013	48.156	TRUE	1.05E-11
Non-allergic asthma	RPTOR	cg12592365	rs719781	A	G	0.210	0.026	0.253	8.83E-16	-0.013	0.019	0.482	0.017	64.640	TRUE	3.52E-15
Non-allergic asthma	RPTOR	cg12592365	rs9319611	T	A	-0.147	0.025	0.345	2.03E-09	0.018	0.016	0.264	0.010	35.929	TRUE	6.48E-09
Non-allergic asthma	RPTOR	cg12654199	rs117736066	G	A	-0.259	0.041	0.088	3.55E-10	0.018	0.033	0.590	0.011	39.322	TRUE	7.89E-10
Non-allergic asthma	RPTOR	cg12654199	rs118107399	T	C	0.977	0.148	0.014	4.59E-11	-0.081	0.096	0.394	0.012	43.320	TRUE	1.40E-10
Non-allergic asthma	RPTOR	cg12654199	rs118182693	G	A	-0.363	0.057	0.042	1.39E-10	-0.016	0.040	0.691	0.011	41.154	TRUE	2.85E-10
Non-allergic asthma	RPTOR	cg12654199	rs11870398	T	C	-0.228	0.024	0.387	2.49E-21	0.009	0.016	0.591	0.024	89.866	TRUE	1.33E-20
Non-allergic asthma	RPTOR	cg12654199	rs3923310	G	A	0.150	0.025	0.334	1.05E-09	0.011	0.017	0.516	0.010	37.215	TRUE	2.44E-09
Non-allergic asthma	RPTOR	cg12654199	rs55633095	T	C	-0.236	0.043	0.084	3.08E-08	-0.028	0.030	0.356	0.008	30.640	TRUE	7.69E-08
Non-allergic asthma	RPTOR	cg12654199	rs62069406	C	T	-0.316	0.055	0.051	1.13E-08	-0.006	0.032	0.858	0.009	32.587	TRUE	1.74E-08
Non-allergic asthma	RPTOR	cg12654199	rs7208789	T	C	0.681	0.038	0.107	4.13E-71	-0.049	0.031	0.112	0.079	317.736	TRUE	1.04E-66
Non-allergic asthma	RPTOR	cg12654199	rs7209132	C	T	0.634	0.024	0.365	8.23E-157	0.004	0.016	0.789	0.161	711.389	TRUE	3.60E-145
Non-allergic asthma	RPTOR	cg12654199	rs8073414	G	A	-0.327	0.025	0.353	3.62E-40	0.014	0.016	0.372	0.045	175.907	TRUE	2.27E-38
Non-allergic asthma	RPTOR	cg13005428	rs1062935	C	T	-0.443	0.023	0.472	2.32E-81	0.018	0.016	0.241	0.090	364.782	TRUE	1.57E-76
Non-allergic asthma	RPTOR	cg13005428	rs113059224	A	G	-0.375	0.043	0.070	3.00E-18	0.013	0.027	0.613	0.020	75.848	TRUE	1.20E-17
Non-allergic asthma	RPTOR	cg13005428	rs11548824	A	G	-0.417	0.033	0.154	5.28E-36	-0.033	0.022	0.132	0.041	156.855	TRUE	5.02E-34
Non-allergic asthma	RPTOR	cg13005428	rs11652514	A	G	0.432	0.077	0.053	1.94E-08	-0.027	0.052	0.600	0.008	31.542	TRUE	3.75E-08
Non-allergic asthma	RPTOR	cg13005428	rs117631786	A	G	0.591	0.087	0.042	1.09E-11	0.002	0.040	0.952	0.012	46.141	TRUE	1.81E-11
Non-allergic asthma	RPTOR	cg13005428	rs117763980	T	C	-0.710	0.054	0.043	8.31E-39	-0.001	0.041	0.971	0.044	169.678	TRUE	1.16E-37
Non-allergic asthma	RPTOR	cg13005428	rs117951413	T	C	-0.191	0.031	0.159	1.42E-09	0.005	0.023	0.825	0.010	36.622	TRUE	2.38E-09
Non-allergic asthma	RPTOR	cg13005428	rs200806876	T	C	-0.461	0.050	0.069	3.58E-20	-0.023	0.033	0.489	0.022	84.594	TRUE	2.06E-19
Non-allergic asthma	RPTOR	cg13005428	rs2271610	G	C	0.443	0.033	0.135	2.74E-40	0.034	0.022	0.120	0.046	176.457	TRUE	4.98E-38
Non-allergic asthma	RPTOR	cg13005428	rs34206539	C	T	-0.209	0.024	0.442	8.17E-19	-0.002	0.016	0.902	0.021	78.415	TRUE	2.27E-18
Non-allergic asthma	RPTOR	cg13005428	rs34824166	T	C	0.491	0.068	0.032	6.75E-13	0.191	0.063	0.002	0.014	51.588	TRUE	1.55E-11
Non-allergic asthma	RPTOR	cg13005428	rs55980508	A	G	-0.805	0.093	0.017	3.55E-18	0.013	0.053	0.805	0.020	75.516	TRUE	1.08E-17
Non-allergic asthma	RPTOR	cg13005428	rs61124969	A	G	-1.017	0.019	0.300	<1E-200	0.029	0.018	0.107	0.436	2854.544	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg13005428	rs62068550	A	G	0.425	0.034	0.143	5.21E-35	0.013	0.024	0.591	0.040	152.307	TRUE	1.05E-33
Non-allergic asthma	RPTOR	cg13005428	rs6565524	T	C	-0.234	0.040	0.098	7.25E-09	0.048	0.027	0.072	0.009	33.450	TRUE	3.52E-08
Non-allergic asthma	RPTOR	cg13005428	rs72850524	T	C	-0.747	0.063	0.037	5.07E-32	0.054	0.050	0.283	0.036	138.647	TRUE	1.58E-30
Non-allergic asthma	RPTOR	cg13005428	rs77734083	A	G	-0.642	0.090	0.018	8.80E-13	-0.054	0.047	0.255	0.014	51.067	TRUE	3.98E-12

Non-allergic asthma	RPTOR	cg13005428	rs9903399	C	T	-0.493	0.040	0.222	6.98E-35	-0.003	0.021	0.879	0.039	151.724	TRUE	7.84E-34
Non-allergic asthma	RPTOR	cg13005428	rs9915393	G	C	0.396	0.027	0.258	5.02E-50	-0.041	0.017	0.018	0.056	221.054	TRUE	1.48E-46
Non-allergic asthma	RPTOR	cg13098428	rs4969277	T	C	-0.384	0.030	0.184	1.79E-36	0.011	0.019	0.555	0.041	159.001	TRUE	4.57E-35
Non-allergic asthma	RPTOR	cg13136721	rs11150760	A	G	0.310	0.030	0.178	2.58E-24	-0.002	0.020	0.919	0.027	103.464	TRUE	1.05E-23
Non-allergic asthma	RPTOR	cg13136721	rs11653319	T	C	-0.277	0.027	0.291	1.39E-24	-0.022	0.018	0.225	0.028	104.691	TRUE	2.27E-23
Non-allergic asthma	RPTOR	cg13136721	rs117602881	G	A	0.231	0.031	0.175	1.48E-13	-0.015	0.019	0.438	0.015	54.573	TRUE	5.21E-13
Non-allergic asthma	RPTOR	cg13136721	rs117763980	T	C	-0.493	0.055	0.043	2.04E-19	-0.001	0.041	0.971	0.021	81.157	TRUE	5.38E-19
Non-allergic asthma	RPTOR	cg13136721	rs139078473	A	G	0.434	0.051	0.052	1.60E-17	-0.050	0.034	0.136	0.019	72.549	TRUE	1.65E-16
Non-allergic asthma	RPTOR	cg13136721	rs17848659	T	G	-0.346	0.025	0.330	7.23E-45	0.017	0.017	0.322	0.051	197.420	TRUE	9.65E-43
Non-allergic asthma	RPTOR	cg13136721	rs35439443	A	G	-0.543	0.068	0.033	1.53E-15	0.183	0.063	0.004	0.017	63.553	TRUE	4.87E-14
Non-allergic asthma	RPTOR	cg13136721	rs36022926	T	A	0.157	0.027	0.250	6.51E-09	-0.015	0.017	0.382	0.009	33.659	TRUE	1.67E-08
Non-allergic asthma	RPTOR	cg13136721	rs4969229	T	C	-0.552	0.081	0.050	8.64E-12	-0.047	0.052	0.362	0.012	46.589	TRUE	2.94E-11
Non-allergic asthma	RPTOR	cg13136721	rs4969300	A	G	0.285	0.035	0.120	8.67E-16	0.032	0.024	0.179	0.017	64.678	TRUE	6.42E-15
Non-allergic asthma	RPTOR	cg13136721	rs7207052	T	C	-0.391	0.042	0.196	2.78E-20	0.009	0.020	0.644	0.022	85.091	TRUE	1.26E-19
Non-allergic asthma	RPTOR	cg13136721	rs7221927	C	T	0.240	0.025	0.354	1.15E-22	0.000	0.016	0.994	0.025	95.943	TRUE	3.71E-22
Non-allergic asthma	RPTOR	cg13136721	rs74387351	A	C	-0.317	0.042	0.102	2.93E-14	0.047	0.020	0.020	0.015	57.748	TRUE	4.50E-13
Non-allergic asthma	RPTOR	cg13136721	rs8069265	C	T	0.133	0.024	0.446	1.57E-08	-0.006	0.016	0.729	0.009	31.943	TRUE	2.71E-08
Non-allergic asthma	RPTOR	cg13136721	rs8070693	C	T	-0.356	0.044	0.082	2.88E-16	0.019	0.037	0.609	0.018	66.846	TRUE	9.90E-16
Non-allergic asthma	RPTOR	cg13311292	rs7503757	G	A	-0.255	0.037	0.112	9.80E-12	-0.038	0.032	0.239	0.012	46.343	TRUE	4.12E-11
Non-allergic asthma	RPTOR	cg13526488	rs11150745	G	A	-0.386	0.025	0.314	6.66E-54	-0.017	0.018	0.343	0.061	238.820	TRUE	2.88E-51
Non-allergic asthma	RPTOR	cg13526488	rs112384134	C	T	-0.814	0.125	0.023	7.36E-11	0.012	0.042	0.771	0.011	42.397	TRUE	1.41E-10
Non-allergic asthma	RPTOR	cg13526488	rs118107399	T	C	0.902	0.149	0.014	1.29E-09	-0.081	0.096	0.394	0.010	36.814	TRUE	3.45E-09
Non-allergic asthma	RPTOR	cg13526488	rs2340773	T	C	0.794	0.036	0.116	6.27E-107	-0.028	0.028	0.316	0.115	482.186	TRUE	5.71E-100
Non-allergic asthma	RPTOR	cg13526488	rs2672893	A	G	0.204	0.031	0.160	5.70E-11	-0.013	0.024	0.596	0.011	42.898	TRUE	1.33E-10
Non-allergic asthma	RPTOR	cg13526488	rs4375716	T	G	-0.276	0.029	0.194	3.63E-21	-0.009	0.021	0.660	0.024	89.116	TRUE	1.72E-20
Non-allergic asthma	RPTOR	cg13526488	rs4426398	T	C	-0.197	0.034	0.139	4.73E-09	0.016	0.023	0.485	0.009	34.277	TRUE	1.08E-08
Non-allergic asthma	RPTOR	cg13526488	rs58419250	A	G	-0.185	0.031	0.184	1.71E-09	0.012	0.019	0.532	0.010	36.262	TRUE	3.84E-09
Non-allergic asthma	RPTOR	cg13526488	rs7210110	A	G	-0.883	0.028	0.200	3.53E-222	-0.016	0.022	0.477	0.215	1011.906	TRUE	2.50E-200
Non-allergic asthma	RPTOR	cg13526488	rs72852801	A	G	-0.478	0.044	0.076	1.46E-27	-0.002	0.032	0.950	0.031	118.272	TRUE	7.43E-27
Non-allergic asthma	RPTOR	cg13526488	rs72853728	C	T	-0.340	0.033	0.144	2.46E-24	-0.019	0.022	0.400	0.027	103.559	TRUE	2.49E-23
Non-allergic asthma	RPTOR	cg13549638	rs12937510	T	C	-0.236	0.027	0.241	1.39E-18	0.003	0.019	0.885	0.020	77.367	TRUE	3.89E-18
Non-allergic asthma	RPTOR	cg13549638	rs2333984	G	A	0.639	0.028	0.203	1.25E-112	0.004	0.020	0.850	0.121	508.379	TRUE	4.86E-106
Non-allergic asthma	RPTOR	cg13549638	rs55735336	T	C	-0.211	0.037	0.114	1.37E-08	0.022	0.025	0.365	0.009	32.208	TRUE	3.50E-08
Non-allergic asthma	RPTOR	cg13549638	rs57860295	A	G	0.174	0.028	0.247	3.04E-10	0.016	0.017	0.367	0.011	39.624	TRUE	8.97E-10
Non-allergic asthma	RPTOR	cg13549638	rs62068487	A	G	-0.197	0.025	0.319	6.47E-15	-0.006	0.017	0.723	0.016	60.720	TRUE	1.72E-14
Non-allergic asthma	RPTOR	cg13549638	rs72853711	C	T	0.236	0.037	0.115	1.43E-10	0.003	0.026	0.921	0.011	41.105	TRUE	2.31E-10
Non-allergic asthma	RPTOR	cg13549638	rs72853757	C	T	0.194	0.033	0.146	4.91E-09	-0.020	0.021	0.330	0.009	34.205	TRUE	1.37E-08
Non-allergic asthma	RPTOR	cg13549638	rs7502841	A	G	0.263	0.027	0.232	1.06E-21	-0.029	0.019	0.142	0.024	91.549	TRUE	1.71E-20
Non-allergic asthma	RPTOR	cg13643509	rs8077224	A	G	-0.134	0.023	0.428	1.24E-08	0.015	0.016	0.357	0.009	32.404	TRUE	3.21E-08
Non-allergic asthma	RPTOR	cg13762486	rs2138119	C	G	-0.164	0.025	0.346	2.80E-11	0.012	0.017	0.493	0.012	44.288	TRUE	7.59E-11
Non-allergic asthma	RPTOR	cg13762486	rs4969314	G	T	0.335	0.025	0.316	1.01E-39	-0.015	0.018	0.401	0.045	173.864	TRUE	5.53E-38
Non-allergic asthma	RPTOR	cg13762486	rs7219221	G	A	-0.208	0.034	0.173	9.68E-10	0.044	0.020	0.033	0.010	37.368	TRUE	6.73E-09

Non-allergic asthma	RPTOR	cg13831388	rs11656246	A	G	0.309	0.026	0.241	7.92E-32	0.003	0.019	0.891	0.036	137.761	TRUE	6.49E-31
Non-allergic asthma	RPTOR	cg14073057	rs9915426	G	A	-0.225	0.029	0.202	1.24E-14	-0.013	0.022	0.551	0.016	59.443	TRUE	4.05E-14
Non-allergic asthma	RPTOR	cg14289594	rs12937265	T	C	-0.189	0.025	0.320	1.88E-14	0.019	0.018	0.276	0.016	58.627	TRUE	9.54E-14
Non-allergic asthma	RPTOR	cg14343513	rs11150745	G	A	-0.276	0.025	0.314	7.37E-28	-0.017	0.018	0.343	0.031	119.634	TRUE	1.23E-26
Non-allergic asthma	RPTOR	cg14343513	rs11655574	A	G	0.149	0.025	0.361	3.22E-09	-0.002	0.016	0.920	0.009	35.026	TRUE	4.85E-09
Non-allergic asthma	RPTOR	cg14343513	rs118107399	T	C	1.087	0.148	0.014	2.30E-13	-0.081	0.096	0.394	0.014	53.705	TRUE	8.53E-13
Non-allergic asthma	RPTOR	cg14343513	rs12950676	T	C	-0.270	0.024	0.431	4.19E-30	0.007	0.016	0.677	0.034	129.885	TRUE	4.30E-29
Non-allergic asthma	RPTOR	cg14343513	rs2672890	T	C	0.230	0.042	0.178	3.64E-08	0.011	0.019	0.570	0.008	30.313	TRUE	7.12E-08
Non-allergic asthma	RPTOR	cg14343513	rs35926934	A	G	0.966	0.035	0.117	2.56E-165	0.028	0.028	0.315	0.169	750.495	TRUE	1.46E-151
Non-allergic asthma	RPTOR	cg14343513	rs55959137	G	A	-0.251	0.024	0.493	1.50E-26	0.007	0.016	0.677	0.030	113.663	TRUE	1.10E-25
Non-allergic asthma	RPTOR	cg14343513	rs62070202	T	C	-0.256	0.042	0.079	1.12E-09	-0.029	0.032	0.364	0.010	37.085	TRUE	3.15E-09
Non-allergic asthma	RPTOR	cg14343513	rs72859613	T	C	0.466	0.073	0.020	1.82E-10	0.006	0.045	0.902	0.011	40.630	TRUE	2.98E-10
Non-allergic asthma	RPTOR	cg14343513	rs734338	A	G	-0.167	0.023	0.497	1.08E-12	-0.007	0.016	0.636	0.014	50.662	TRUE	2.73E-12
Non-allergic asthma	RPTOR	cg14600877	rs113059224	A	G	-0.279	0.043	0.070	9.67E-11	0.013	0.027	0.613	0.011	41.865	TRUE	2.18E-10
Non-allergic asthma	RPTOR	cg14600877	rs113714895	T	C	-0.457	0.043	0.080	6.59E-27	-0.002	0.029	0.956	0.030	115.288	TRUE	3.14E-26
Non-allergic asthma	RPTOR	cg14600877	rs11650195	C	T	-0.180	0.033	0.404	3.24E-08	0.022	0.016	0.162	0.008	30.542	TRUE	1.11E-07
Non-allergic asthma	RPTOR	cg14600877	rs12449867	C	T	0.172	0.025	0.343	2.38E-12	-0.016	0.017	0.347	0.013	49.119	TRUE	8.71E-12
Non-allergic asthma	RPTOR	cg14600877	rs139078473	A	G	0.381	0.051	0.052	8.67E-14	-0.050	0.034	0.136	0.015	55.616	TRUE	5.93E-13
Non-allergic asthma	RPTOR	cg14600877	rs36022926	T	A	0.154	0.027	0.250	1.18E-08	-0.015	0.017	0.382	0.009	32.502	TRUE	2.96E-08
Non-allergic asthma	RPTOR	cg14600877	rs4969236	C	T	-0.296	0.023	0.495	7.28E-37	-0.006	0.016	0.701	0.042	160.790	TRUE	1.42E-35
Non-allergic asthma	RPTOR	cg14600877	rs4969323	C	G	0.219	0.030	0.203	3.46E-13	-0.002	0.020	0.927	0.014	52.901	TRUE	6.46E-13
Non-allergic asthma	RPTOR	cg14600877	rs56412625	G	A	0.170	0.027	0.250	2.21E-10	-0.016	0.021	0.452	0.011	40.253	TRUE	5.86E-10
Non-allergic asthma	RPTOR	cg14600877	rs58642634	T	C	-0.502	0.047	0.076	8.00E-27	0.029	0.033	0.383	0.030	114.906	TRUE	1.08E-25
Non-allergic asthma	RPTOR	cg14600877	rs62075409	A	G	0.443	0.029	0.190	5.49E-52	-0.027	0.020	0.192	0.059	230.039	TRUE	3.42E-49
Non-allergic asthma	RPTOR	cg14600877	rs6565524	T	C	-0.353	0.040	0.098	1.56E-18	0.048	0.027	0.072	0.020	77.137	TRUE	2.48E-17
Non-allergic asthma	RPTOR	cg14600877	rs71368095	A	G	-0.521	0.027	0.219	2.72E-81	-0.004	0.019	0.837	0.090	364.461	TRUE	2.05E-77
Non-allergic asthma	RPTOR	cg14600877	rs72859646	T	C	0.428	0.068	0.026	3.77E-10	0.025	0.035	0.475	0.010	39.209	TRUE	9.54E-10
Non-allergic asthma	RPTOR	cg14600877	rs7502563	A	G	-1.043	0.017	0.391	<1E-200	0.028	0.016	0.075	0.501	3712.236	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg14600877	rs78595627	T	C	-0.301	0.042	0.102	5.74E-13	0.047	0.020	0.020	0.014	51.905	TRUE	7.31E-12
Non-allergic asthma	RPTOR	cg14600877	rs9911223	A	G	0.378	0.025	0.310	3.66E-52	-0.010	0.017	0.542	0.059	230.848	TRUE	6.68E-50
Non-allergic asthma	RPTOR	cg14647957	rs111492191	A	G	-0.320	0.055	0.043	5.75E-09	0.005	0.046	0.920	0.009	33.899	TRUE	8.54E-09
Non-allergic asthma	RPTOR	cg14647957	rs17848624	C	A	-0.260	0.041	0.088	3.57E-10	-0.004	0.033	0.912	0.011	39.314	TRUE	5.70E-10
Non-allergic asthma	RPTOR	cg14647957	rs2589132	C	T	0.137	0.023	0.485	5.22E-09	0.012	0.016	0.435	0.009	34.086	TRUE	1.26E-08
Non-allergic asthma	RPTOR	cg14647957	rs34713877	A	G	-0.506	0.091	0.036	3.00E-08	-0.030	0.053	0.566	0.008	30.692	TRUE	5.92E-08
Non-allergic asthma	RPTOR	cg14647957	rs4969282	T	G	-0.669	0.032	0.139	6.51E-95	-0.015	0.025	0.559	0.103	427.000	TRUE	1.58E-89
Non-allergic asthma	RPTOR	cg14780427	rs11150747	T	C	-0.442	0.027	0.249	1.99E-60	0.010	0.019	0.606	0.068	268.736	TRUE	9.81E-58
Non-allergic asthma	RPTOR	cg14780427	rs11651724	A	G	-0.466	0.037	0.117	7.11E-37	0.002	0.021	0.939	0.042	160.837	TRUE	8.69E-36
Non-allergic asthma	RPTOR	cg14780427	rs117209908	A	G	-0.628	0.050	0.059	4.48E-36	0.033	0.036	0.364	0.041	157.181	TRUE	1.76E-34
Non-allergic asthma	RPTOR	cg14780427	rs117805133	T	C	-0.560	0.089	0.017	3.25E-10	-0.092	0.091	0.312	0.011	39.498	TRUE	1.04E-09
Non-allergic asthma	RPTOR	cg14780427	rs118107399	T	C	0.950	0.149	0.014	1.57E-10	-0.081	0.096	0.394	0.011	40.915	TRUE	4.57E-10
Non-allergic asthma	RPTOR	cg14780427	rs12949279	C	T	0.806	0.020	0.440	<1E-200	-0.022	0.017	0.191	0.303	1605.490	TRUE	1.38E-302
Non-allergic asthma	RPTOR	cg14780427	rs2589139	C	G	0.230	0.025	0.297	5.60E-20	0.003	0.017	0.872	0.022	83.711	TRUE	1.76E-19

Non-allergic asthma	RPTOR	cg14780427	rs4072746	T	C	-0.296	0.038	0.115	9.95E-15	0.027	0.020	0.172	0.016	59.873	TRUE	6.72E-14
Non-allergic asthma	RPTOR	cg14780427	rs4426398	T	C	0.296	0.034	0.139	1.32E-18	0.016	0.023	0.485	0.021	77.469	TRUE	6.67E-18
Non-allergic asthma	RPTOR	cg14780427	rs4890035	A	G	-0.192	0.029	0.198	4.43E-11	-0.007	0.019	0.723	0.012	43.391	TRUE	9.05E-11
Non-allergic asthma	RPTOR	cg14780427	rs62067893	T	C	-0.838	0.069	0.037	5.64E-34	-0.023	0.048	0.632	0.038	147.577	TRUE	9.34E-33
Non-allergic asthma	RPTOR	cg14780427	rs72856006	G	C	-0.509	0.036	0.120	2.05E-46	-0.018	0.022	0.407	0.052	204.509	TRUE	2.56E-44
Non-allergic asthma	RPTOR	cg14780427	rs72858264	C	A	0.536	0.066	0.031	4.76E-16	-0.050	0.054	0.362	0.017	65.858	TRUE	2.38E-15
Non-allergic asthma	RPTOR	cg14780427	rs8069320	C	A	0.253	0.024	0.490	7.66E-27	0.006	0.016	0.715	0.030	114.992	TRUE	5.41E-26
Non-allergic asthma	RPTOR	cg14780427	rs9908112	A	G	0.904	0.036	0.116	3.95E-141	-0.028	0.028	0.326	0.147	639.320	TRUE	1.80E-130
Non-allergic asthma	RPTOR	cg15022015	rs2280147	C	T	0.187	0.027	0.225	5.46E-12	0.009	0.018	0.610	0.013	47.489	TRUE	1.35E-11
Non-allergic asthma	RPTOR	cg15022015	rs71368095	A	G	-0.155	0.028	0.219	2.09E-08	-0.004	0.019	0.837	0.008	31.394	TRUE	3.24E-08
Non-allergic asthma	RPTOR	cg15096353	rs114177791	T	G	0.247	0.028	0.215	3.34E-18	-0.004	0.020	0.843	0.020	75.638	TRUE	9.62E-18
Non-allergic asthma	RPTOR	cg15096353	rs117117100	A	G	0.492	0.075	0.024	6.52E-11	0.021	0.034	0.525	0.011	42.634	TRUE	1.65E-10
Non-allergic asthma	RPTOR	cg15096353	rs117209908	A	G	0.546	0.050	0.059	1.48E-27	0.033	0.036	0.364	0.031	118.246	TRUE	2.27E-26
Non-allergic asthma	RPTOR	cg15096353	rs117805133	T	C	0.579	0.089	0.017	7.07E-11	-0.092	0.091	0.312	0.011	42.477	TRUE	2.40E-10
Non-allergic asthma	RPTOR	cg15096353	rs12452137	G	A	0.728	0.026	0.249	2.36E-170	0.016	0.017	0.346	0.173	773.639	TRUE	5.31E-156
Non-allergic asthma	RPTOR	cg15096353	rs2589138	T	C	-0.244	0.028	0.230	3.36E-18	0.002	0.018	0.902	0.020	75.626	TRUE	8.94E-18
Non-allergic asthma	RPTOR	cg15096353	rs35832855	C	T	0.132	0.024	0.436	2.10E-08	0.033	0.016	0.035	0.008	31.381	TRUE	1.18E-07
Non-allergic asthma	RPTOR	cg15096353	rs4969429	A	G	0.280	0.026	0.273	1.21E-26	-0.002	0.018	0.900	0.030	114.092	TRUE	6.15E-26
Non-allergic asthma	RPTOR	cg15096353	rs62067893	T	C	0.520	0.069	0.037	7.26E-14	-0.023	0.048	0.632	0.015	55.967	TRUE	2.01E-13
Non-allergic asthma	RPTOR	cg15096353	rs62944760	C	A	-0.395	0.042	0.084	5.41E-21	-0.011	0.032	0.732	0.023	88.331	TRUE	2.26E-20
Non-allergic asthma	RPTOR	cg15096353	rs72853735	G	A	0.326	0.036	0.118	1.57E-19	-0.017	0.022	0.431	0.022	81.678	TRUE	9.45E-19
Non-allergic asthma	RPTOR	cg15097361	rs11150745	G	A	-0.240	0.025	0.314	2.04E-21	-0.017	0.018	0.343	0.024	90.253	TRUE	1.76E-20
Non-allergic asthma	RPTOR	cg15097361	rs118011999	A	G	-0.731	0.115	0.024	1.71E-10	-0.020	0.061	0.743	0.011	40.753	TRUE	3.29E-10
Non-allergic asthma	RPTOR	cg15097361	rs12943620	T	G	-0.200	0.027	0.225	1.86E-13	0.010	0.020	0.618	0.014	54.116	TRUE	5.09E-13
Non-allergic asthma	RPTOR	cg15097361	rs183789618	A	G	-0.436	0.070	0.025	3.76E-10	-0.006	0.040	0.879	0.010	39.215	TRUE	6.19E-10
Non-allergic asthma	RPTOR	cg15097361	rs2048753	A	G	-0.217	0.027	0.250	2.49E-16	0.000	0.017	0.997	0.018	67.131	TRUE	5.19E-16
Non-allergic asthma	RPTOR	cg15097361	rs35352641	T	C	-0.735	0.038	0.209	1.04E-83	0.004	0.017	0.809	0.092	375.566	TRUE	1.30E-79
Non-allergic asthma	RPTOR	cg15097361	rs7219745	C	A	0.263	0.033	0.141	2.44E-15	-0.001	0.022	0.960	0.017	62.643	TRUE	4.99E-15
Non-allergic asthma	RPTOR	cg15097361	rs7221948	C	T	-0.241	0.024	0.410	1.04E-23	-0.025	0.016	0.122	0.027	100.695	TRUE	2.32E-22
Non-allergic asthma	RPTOR	cg15097361	rs7223529	A	T	0.167	0.028	0.228	2.16E-09	0.008	0.018	0.656	0.010	35.801	TRUE	4.23E-09
Non-allergic asthma	RPTOR	cg15097361	rs7225476	G	A	0.140	0.024	0.464	3.22E-09	0.004	0.016	0.814	0.009	35.025	TRUE	5.35E-09
Non-allergic asthma	RPTOR	cg15097361	rs72858264	C	A	-0.416	0.066	0.031	3.35E-10	-0.050	0.054	0.362	0.011	39.436	TRUE	9.91E-10
Non-allergic asthma	RPTOR	cg15097361	rs75293675	T	C	0.235	0.031	0.168	6.57E-14	-0.012	0.023	0.586	0.015	56.163	TRUE	1.94E-13
Non-allergic asthma	RPTOR	cg15116918	rs7209576	A	G	0.149	0.023	0.452	1.80E-10	0.001	0.016	0.937	0.011	40.654	TRUE	2.85E-10
Non-allergic asthma	RPTOR	cg15228441	rs2048753	A	G	-0.173	0.027	0.250	6.76E-11	0.000	0.017	0.997	0.011	42.566	TRUE	1.03E-10
Non-allergic asthma	RPTOR	cg15228441	rs2672871	C	G	0.219	0.030	0.187	2.82E-13	-0.016	0.024	0.522	0.014	53.299	TRUE	8.63E-13
Non-allergic asthma	RPTOR	cg15228441	rs2672893	A	G	0.216	0.031	0.160	4.00E-12	-0.013	0.024	0.596	0.013	48.096	TRUE	1.02E-11
Non-allergic asthma	RPTOR	cg15228441	rs28377011	C	T	-0.322	0.042	0.082	1.71E-14	-0.012	0.028	0.685	0.016	58.812	TRUE	4.63E-14
Non-allergic asthma	RPTOR	cg15228441	rs35352641	T	C	-0.634	0.038	0.209	1.43E-61	0.004	0.017	0.809	0.069	273.981	TRUE	4.86E-59
Non-allergic asthma	RPTOR	cg15230985	rs117219902	A	G	-0.250	0.045	0.072	3.18E-08	0.018	0.035	0.611	0.008	30.580	TRUE	5.99E-08
Non-allergic asthma	RPTOR	cg15230985	rs118107399	T	C	0.917	0.149	0.014	6.62E-10	-0.081	0.096	0.394	0.010	38.108	TRUE	1.82E-09
Non-allergic asthma	RPTOR	cg15230985	rs12185227	G	C	-0.137	0.024	0.390	1.01E-08	-0.002	0.016	0.913	0.009	32.813	TRUE	1.48E-08

Non-allergic asthma	RPTOR	cg15230985	rs35926934	A	G	0.809	0.036	0.117	6.02E-113	0.028	0.028	0.315	0.121	509.828	TRUE	2.20E-105
Non-allergic asthma	RPTOR	cg15230985	rs4453556	G	A	0.186	0.024	0.417	4.35E-15	0.002	0.016	0.889	0.016	61.504	TRUE	9.55E-15
Non-allergic asthma	RPTOR	cg15230985	rs4969230	C	T	-0.377	0.024	0.401	1.49E-56	0.005	0.016	0.739	0.064	250.973	TRUE	2.97E-54
Non-allergic asthma	RPTOR	cg15230985	rs62069691	T	A	-0.349	0.041	0.087	2.33E-17	0.015	0.027	0.568	0.019	71.805	TRUE	9.26E-17
Non-allergic asthma	RPTOR	cg15230985	rs9890464	C	T	-0.167	0.024	0.491	1.40E-12	0.006	0.016	0.702	0.013	50.152	TRUE	3.25E-12
Non-allergic asthma	RPTOR	cg15230985	rs9904611	A	G	-0.168	0.027	0.254	9.68E-10	-0.016	0.020	0.425	0.010	37.368	TRUE	2.52E-09
Non-allergic asthma	RPTOR	cg15358690	rs113059224	A	G	-0.369	0.043	0.070	9.53E-18	0.013	0.027	0.613	0.020	73.569	TRUE	3.66E-17
Non-allergic asthma	RPTOR	cg15358690	rs113335931	G	A	0.200	0.033	0.150	7.33E-10	-0.017	0.021	0.424	0.010	37.909	TRUE	1.93E-09
Non-allergic asthma	RPTOR	cg15358690	rs113714895	T	C	-0.503	0.042	0.080	2.04E-32	-0.002	0.029	0.956	0.037	140.457	TRUE	1.57E-31
Non-allergic asthma	RPTOR	cg15358690	rs11651707	T	C	-0.877	0.023	0.245	<1E-200	-0.004	0.019	0.837	0.278	1425.488	TRUE	3.34E-274
Non-allergic asthma	RPTOR	cg15358690	rs11655877	C	T	-0.296	0.023	0.406	1.86E-36	-0.023	0.017	0.170	0.041	158.927	TRUE	1.54E-34
Non-allergic asthma	RPTOR	cg15358690	rs11868966	C	A	0.401	0.032	0.167	7.07E-37	0.005	0.021	0.802	0.042	160.846	TRUE	1.13E-35
Non-allergic asthma	RPTOR	cg15358690	rs12449867	C	T	0.146	0.025	0.343	3.26E-09	-0.016	0.017	0.347	0.009	35.006	TRUE	9.00E-09
Non-allergic asthma	RPTOR	cg15358690	rs183036865	A	G	-0.359	0.056	0.041	1.75E-10	0.015	0.040	0.705	0.011	40.709	TRUE	3.50E-10
Non-allergic asthma	RPTOR	cg15358690	rs62068550	A	G	0.304	0.035	0.143	1.58E-18	0.013	0.024	0.591	0.020	77.112	TRUE	6.69E-18
Non-allergic asthma	RPTOR	cg15358690	rs72851827	A	G	0.272	0.050	0.080	4.25E-08	0.025	0.033	0.459	0.008	30.015	TRUE	9.29E-08
Non-allergic asthma	RPTOR	cg15358690	rs868432	A	G	-0.393	0.023	0.444	1.21E-65	-0.001	0.016	0.971	0.073	292.661	TRUE	4.95E-63
Non-allergic asthma	RPTOR	cg15358690	rs908236	C	G	0.139	0.025	0.351	2.01E-08	-0.005	0.016	0.750	0.008	31.471	TRUE	3.37E-08
Non-allergic asthma	RPTOR	cg15358690	rs9899178	T	C	-0.367	0.025	0.354	1.78E-49	0.029	0.016	0.077	0.056	218.531	TRUE	1.73E-46
Non-allergic asthma	RPTOR	cg15476425	rs2589135	T	C	-0.137	0.024	0.457	6.25E-09	0.014	0.016	0.387	0.009	33.737	TRUE	1.60E-08
Non-allergic asthma	RPTOR	cg15476425	rs56233717	C	T	0.404	0.036	0.264	1.89E-28	0.000	0.017	0.991	0.032	122.327	TRUE	9.66E-28
Non-allergic asthma	RPTOR	cg15616522	rs2589119	A	G	0.208	0.036	0.117	9.32E-09	-0.021	0.027	0.437	0.009	32.961	TRUE	2.20E-08
Non-allergic asthma	RPTOR	cg15616522	rs4969426	A	T	0.201	0.024	0.375	1.94E-17	0.001	0.016	0.954	0.019	72.163	TRUE	4.59E-17
Non-allergic asthma	RPTOR	cg15616522	rs6565473	C	T	0.166	0.023	0.472	1.34E-12	0.007	0.016	0.679	0.013	50.246	TRUE	3.19E-12
Non-allergic asthma	RPTOR	cg15616522	rs7212390	A	G	-0.503	0.029	0.198	2.91E-67	-0.016	0.022	0.475	0.075	300.085	TRUE	6.15E-64
Non-allergic asthma	RPTOR	cg15616522	rs75747760	T	C	-0.309	0.041	0.088	5.41E-14	0.004	0.032	0.890	0.015	56.546	TRUE	1.11E-13
Non-allergic asthma	RPTOR	cg15694704	rs115579065	T	C	-0.302	0.044	0.089	8.89E-12	0.048	0.024	0.047	0.012	46.534	TRUE	7.25E-11
Non-allergic asthma	RPTOR	cg15694704	rs12950583	A	G	-0.997	0.025	0.214	<1E-200	-0.023	0.018	0.202	0.298	1570.896	TRUE	7.51E-297
Non-allergic asthma	RPTOR	cg15694704	rs2672878	T	C	0.233	0.026	0.263	5.95E-19	0.001	0.018	0.946	0.021	79.042	TRUE	1.57E-18
Non-allergic asthma	RPTOR	cg15694704	rs4306553	A	G	-0.134	0.024	0.395	2.58E-08	-0.018	0.016	0.268	0.008	30.982	TRUE	7.36E-08
Non-allergic asthma	RPTOR	cg15694704	rs4969285	G	C	0.163	0.025	0.333	9.21E-11	0.012	0.016	0.464	0.011	41.959	TRUE	2.49E-10
Non-allergic asthma	RPTOR	cg15694704	rs4969323	C	G	0.219	0.030	0.203	4.01E-13	-0.002	0.020	0.927	0.014	52.610	TRUE	7.46E-13
Non-allergic asthma	RPTOR	cg15694704	rs6565515	T	C	0.261	0.028	0.245	9.82E-21	0.002	0.018	0.909	0.023	87.151	TRUE	3.10E-20
Non-allergic asthma	RPTOR	cg15694704	rs7220687	C	T	-0.288	0.026	0.289	6.31E-29	-0.046	0.018	0.012	0.033	124.506	TRUE	9.29E-27
Non-allergic asthma	RPTOR	cg15694704	rs9898178	G	A	0.182	0.033	0.138	4.86E-08	0.013	0.021	0.540	0.008	29.756	TRUE	9.70E-08
Non-allergic asthma	RPTOR	cg15815120	rs11150745	G	A	0.161	0.025	0.314	1.08E-10	-0.017	0.018	0.343	0.011	41.644	TRUE	3.44E-10
Non-allergic asthma	RPTOR	cg15815120	rs62069406	C	T	0.591	0.054	0.051	1.02E-27	-0.006	0.032	0.858	0.031	118.981	TRUE	6.13E-27
Non-allergic asthma	RPTOR	cg15815120	rs9893956	C	G	-0.301	0.030	0.184	1.55E-23	0.011	0.019	0.562	0.026	99.913	TRUE	1.06E-22
Non-allergic asthma	RPTOR	cg15815120	rs9897426	T	A	0.205	0.029	0.198	1.92E-12	-0.030	0.024	0.211	0.013	49.537	TRUE	9.24E-12
Non-allergic asthma	RPTOR	cg15826479	rs2672871	C	G	-0.286	0.030	0.187	1.23E-21	-0.016	0.024	0.522	0.024	91.266	TRUE	7.59E-21
Non-allergic asthma	RPTOR	cg15946337	rs201407779	A	G	-0.276	0.041	0.090	1.56E-11	-0.004	0.031	0.900	0.012	45.431	TRUE	2.73E-11
Non-allergic asthma	RPTOR	cg15946337	rs35292957	G	C	0.202	0.026	0.253	1.14E-14	-0.013	0.019	0.485	0.016	59.614	TRUE	4.10E-14

Non-allergic asthma	RPTOR	cg15946337	rs72853711	C	T	-0.268	0.037	0.115	3.01E-13	0.003	0.026	0.921	0.014	53.176	TRUE	5.68E-13
Non-allergic asthma	RPTOR	cg15946337	rs9909563	T	A	-0.345	0.027	0.269	2.64E-38	0.011	0.017	0.545	0.043	167.379	TRUE	8.48E-37
Non-allergic asthma	RPTOR	cg16015295	rs10871489	G	A	-0.145	0.026	0.301	1.46E-08	-0.016	0.018	0.375	0.009	32.089	TRUE	3.66E-08
Non-allergic asthma	RPTOR	cg16015295	rs11150745	G	A	-0.357	0.025	0.314	5.85E-46	-0.017	0.018	0.343	0.052	202.422	TRUE	8.41E-44
Non-allergic asthma	RPTOR	cg16015295	rs1131609	A	G	-0.215	0.027	0.243	5.77E-16	0.012	0.020	0.528	0.017	65.480	TRUE	2.17E-15
Non-allergic asthma	RPTOR	cg16015295	rs118107399	T	C	0.928	0.149	0.014	4.19E-10	-0.081	0.096	0.394	0.010	39.003	TRUE	1.17E-09
Non-allergic asthma	RPTOR	cg16015295	rs2340773	T	C	0.880	0.036	0.116	3.96E-133	-0.028	0.028	0.316	0.140	602.553	TRUE	2.21E-123
Non-allergic asthma	RPTOR	cg16015295	rs4889856	C	T	-0.153	0.023	0.435	6.70E-11	-0.004	0.016	0.803	0.011	42.580	TRUE	1.25E-10
Non-allergic asthma	RPTOR	cg16015295	rs4969404	T	C	-0.175	0.024	0.402	3.50E-13	0.006	0.016	0.723	0.014	52.875	TRUE	8.26E-13
Non-allergic asthma	RPTOR	cg16015295	rs62067183	T	C	-0.137	0.024	0.395	1.16E-08	-0.002	0.016	0.885	0.009	32.528	TRUE	1.75E-08
Non-allergic asthma	RPTOR	cg16015295	rs7217174	T	C	-0.687	0.028	0.201	7.30E-129	-0.014	0.022	0.521	0.136	582.955	TRUE	4.82E-120
Non-allergic asthma	RPTOR	cg16015295	rs72852801	A	G	-0.386	0.044	0.076	1.89E-18	-0.002	0.032	0.950	0.020	76.760	TRUE	4.81E-18
Non-allergic asthma	RPTOR	cg16015295	rs72853728	C	T	-0.294	0.034	0.144	1.64E-18	-0.019	0.022	0.400	0.020	77.037	TRUE	9.57E-18
Non-allergic asthma	RPTOR	cg16015295	rs72859613	T	C	0.403	0.073	0.020	3.50E-08	0.006	0.045	0.902	0.008	30.394	TRUE	5.06E-08
Non-allergic asthma	RPTOR	cg16018154	rs113714895	T	C	-0.474	0.043	0.080	7.17E-29	-0.002	0.029	0.956	0.032	124.252	TRUE	4.03E-28
Non-allergic asthma	RPTOR	cg16018154	rs11658145	C	T	0.162	0.027	0.246	2.12E-09	-0.023	0.019	0.214	0.010	35.837	TRUE	7.43E-09
Non-allergic asthma	RPTOR	cg16018154	rs11868266	C	G	0.168	0.027	0.251	1.02E-09	0.012	0.017	0.475	0.010	37.260	TRUE	2.50E-09
Non-allergic asthma	RPTOR	cg16018154	rs2289765	G	A	0.873	0.034	0.137	7.62E-148	0.007	0.023	0.775	0.153	670.180	TRUE	2.76E-137
Non-allergic asthma	RPTOR	cg16018154	rs2316058	G	C	-0.207	0.025	0.345	4.18E-17	0.013	0.016	0.410	0.019	70.654	TRUE	2.10E-16
Non-allergic asthma	RPTOR	cg16018154	rs4969236	C	T	-0.283	0.023	0.495	7.85E-34	-0.006	0.016	0.701	0.038	146.919	TRUE	1.11E-32
Non-allergic asthma	RPTOR	cg16018154	rs4969238	C	T	0.162	0.024	0.379	2.31E-11	-0.013	0.016	0.433	0.012	44.666	TRUE	6.82E-11
Non-allergic asthma	RPTOR	cg16018154	rs4969284	A	G	-0.860	0.020	0.439	<1E-200	0.001	0.016	0.958	0.337	1884.356	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg16018154	rs4969313	A	G	-0.351	0.024	0.391	5.68E-48	0.028	0.016	0.075	0.054	211.645	TRUE	4.50E-45
Non-allergic asthma	RPTOR	cg16018154	rs58903229	A	T	0.480	0.049	0.080	2.52E-22	0.027	0.033	0.421	0.025	94.395	TRUE	2.01E-21
Non-allergic asthma	RPTOR	cg16018154	rs59695750	T	C	0.158	0.023	0.495	1.80E-11	-0.023	0.016	0.141	0.012	45.150	TRUE	9.38E-11
Non-allergic asthma	RPTOR	cg16018154	rs6565488	A	C	0.539	0.033	0.135	9.83E-60	0.025	0.022	0.261	0.067	265.556	TRUE	1.42E-56
Non-allergic asthma	RPTOR	cg16018154	rs72857988	T	C	0.386	0.050	0.050	1.36E-14	0.004	0.027	0.869	0.016	59.255	TRUE	2.97E-14
Non-allergic asthma	RPTOR	cg16018154	rs7502321	C	T	0.173	0.024	0.386	6.35E-13	0.017	0.016	0.298	0.014	51.708	TRUE	2.68E-12
Non-allergic asthma	RPTOR	cg16018154	rs9915393	G	C	0.169	0.027	0.258	3.50E-10	-0.041	0.017	0.018	0.011	39.350	TRUE	3.05E-09
Non-allergic asthma	RPTOR	cg16115689	rs9912037	A	C	0.167	0.025	0.367	1.53E-11	0.005	0.016	0.756	0.012	45.476	TRUE	3.11E-11
Non-allergic asthma	RPTOR	cg16116279	rs11653319	T	C	-0.162	0.027	0.291	2.44E-09	-0.022	0.018	0.225	0.010	35.570	TRUE	8.29E-09
Non-allergic asthma	RPTOR	cg16116279	rs2289763	G	C	0.263	0.036	0.119	4.50E-13	0.022	0.025	0.385	0.014	52.382	TRUE	1.66E-12
Non-allergic asthma	RPTOR	cg16116279	rs6565484	C	T	-0.387	0.023	0.485	6.98E-65	-0.015	0.016	0.332	0.073	289.168	TRUE	1.69E-61
Non-allergic asthma	RPTOR	cg16116279	rs72857980	T	C	-0.342	0.050	0.051	8.65E-12	0.004	0.027	0.869	0.012	46.588	TRUE	1.58E-11
Non-allergic asthma	RPTOR	cg16116279	rs908240	G	A	-0.141	0.024	0.458	2.32E-09	0.020	0.016	0.205	0.010	35.666	TRUE	8.23E-09
Non-allergic asthma	RPTOR	cg16116279	rs9909367	G	A	-0.221	0.029	0.215	2.97E-14	-0.030	0.018	0.093	0.015	57.724	TRUE	2.53E-13
Non-allergic asthma	RPTOR	cg16541275	rs2672898	C	T	-0.196	0.029	0.206	1.20E-11	-0.012	0.019	0.535	0.012	45.947	TRUE	3.17E-11
Non-allergic asthma	RPTOR	cg16565901	rs2291360	A	G	0.192	0.025	0.367	1.09E-14	0.004	0.016	0.787	0.016	59.691	TRUE	2.64E-14
Non-allergic asthma	RPTOR	cg16565901	rs2316058	G	C	-0.156	0.025	0.345	2.48E-10	0.013	0.016	0.410	0.011	40.021	TRUE	6.94E-10
Non-allergic asthma	RPTOR	cg16578291	rs112300010	C	T	-0.201	0.027	0.238	1.87E-13	0.009	0.018	0.606	0.014	54.104	TRUE	5.20E-13
Non-allergic asthma	RPTOR	cg16636468	rs17848624	C	A	-0.284	0.041	0.088	6.56E-12	-0.004	0.033	0.912	0.013	47.129	TRUE	1.16E-11
Non-allergic asthma	RPTOR	cg16636468	rs7209132	C	T	0.191	0.025	0.365	1.36E-14	0.004	0.016	0.789	0.016	59.259	TRUE	3.27E-14

Non-allergic asthma	RPTOR	cg16636468	rs7212390	A	G	-0.252	0.030	0.198	1.45E-17	-0.016	0.022	0.475	0.019	72.737	TRUE	6.81E-17
Non-allergic asthma	RPTOR	cg16638092	rs11150745	G	A	-0.260	0.025	0.314	7.16E-25	-0.017	0.018	0.343	0.028	106.002	TRUE	8.73E-24
Non-allergic asthma	RPTOR	cg16638092	rs114177791	T	G	0.177	0.029	0.215	5.51E-10	-0.004	0.020	0.843	0.010	38.468	TRUE	9.30E-10
Non-allergic asthma	RPTOR	cg16638092	rs4969429	A	G	0.176	0.026	0.273	2.35E-11	-0.002	0.018	0.900	0.012	44.631	TRUE	4.06E-11
Non-allergic asthma	RPTOR	cg16638092	rs62070202	T	C	-0.290	0.042	0.079	4.85E-12	-0.029	0.032	0.364	0.013	47.720	TRUE	1.68E-11
Non-allergic asthma	RPTOR	cg16638092	rs7212390	A	G	-0.364	0.029	0.198	6.59E-35	-0.016	0.022	0.475	0.039	151.839	TRUE	1.70E-33
Non-allergic asthma	RPTOR	cg16638092	rs72853774	G	T	0.189	0.034	0.138	2.58E-08	-0.020	0.021	0.328	0.008	30.986	TRUE	6.73E-08
Non-allergic asthma	RPTOR	cg16660971	rs2289762	A	G	-0.298	0.027	0.245	4.08E-29	-0.004	0.019	0.838	0.033	125.371	TRUE	2.86E-28
Non-allergic asthma	RPTOR	cg16660971	rs2289764	C	T	0.394	0.027	0.241	2.44E-47	0.010	0.018	0.572	0.053	208.742	TRUE	2.18E-45
Non-allergic asthma	RPTOR	cg16660971	rs908236	C	G	0.160	0.025	0.351	1.05E-10	-0.005	0.016	0.750	0.011	41.705	TRUE	2.03E-10
Non-allergic asthma	RPTOR	cg16886414	rs113714895	T	C	0.281	0.043	0.080	5.44E-11	-0.002	0.029	0.956	0.011	42.989	TRUE	8.70E-11
Non-allergic asthma	RPTOR	cg16886414	rs12939768	T	A	-1.157	0.020	0.226	<1E-200	-0.014	0.018	0.428	0.465	3208.673	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg16886414	rs142546211	A	G	-0.727	0.109	0.019	2.15E-11	-0.003	0.064	0.966	0.012	44.809	TRUE	3.47E-11
Non-allergic asthma	RPTOR	cg16886414	rs183036865	A	G	0.425	0.056	0.041	4.41E-14	0.015	0.040	0.705	0.015	56.947	TRUE	1.13E-13
Non-allergic asthma	RPTOR	cg16886414	rs2289764	C	T	-0.238	0.027	0.241	4.56E-18	0.010	0.018	0.572	0.020	75.023	TRUE	1.91E-17
Non-allergic asthma	RPTOR	cg16886414	rs4969219	G	T	-0.147	0.024	0.388	1.27E-09	-0.017	0.017	0.307	0.010	36.835	TRUE	3.87E-09
Non-allergic asthma	RPTOR	cg16886414	rs4969329	G	A	0.203	0.028	0.251	2.19E-13	-0.003	0.018	0.871	0.014	53.802	TRUE	4.41E-13
Non-allergic asthma	RPTOR	cg16886414	rs71368095	A	G	0.704	0.027	0.219	1.60E-153	-0.004	0.019	0.837	0.158	696.272	TRUE	2.25E-142
Non-allergic asthma	RPTOR	cg16886414	rs7220687	C	T	-0.381	0.026	0.289	9.31E-50	-0.046	0.018	0.012	0.056	219.823	TRUE	3.45E-46
Non-allergic asthma	RPTOR	cg16886414	rs72850524	T	C	0.448	0.064	0.037	2.23E-12	0.054	0.050	0.283	0.013	49.246	TRUE	9.16E-12
Non-allergic asthma	RPTOR	cg16886414	rs72859646	T	C	-0.904	0.068	0.026	1.18E-40	0.025	0.035	0.475	0.046	178.139	TRUE	5.90E-39
Non-allergic asthma	RPTOR	cg16892887	rs11656246	A	G	-0.307	0.026	0.241	4.50E-31	0.003	0.019	0.891	0.035	134.310	TRUE	3.44E-30
Non-allergic asthma	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	-0.001	0.041	0.971	0.011	40.360	TRUE	3.19E-10
Non-allergic asthma	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	-0.030	0.021	0.148	0.016	60.193	TRUE	6.20E-14
Non-allergic asthma	RPTOR	cg16892887	rs3751934	A	C	-0.177	0.024	0.401	1.90E-13	0.005	0.016	0.735	0.014	54.077	TRUE	4.50E-13
Non-allergic asthma	RPTOR	cg16892887	rs4969293	A	T	0.210	0.028	0.211	1.81E-13	0.012	0.018	0.499	0.014	54.174	TRUE	5.80E-13
Non-allergic asthma	RPTOR	cg16892887	rs4969323	C	G	-0.175	0.030	0.203	5.27E-09	-0.002	0.020	0.927	0.009	34.070	TRUE	7.79E-09
Non-allergic asthma	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	0.025	0.035	0.475	0.011	42.303	TRUE	2.07E-10
Non-allergic asthma	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	-0.001	0.016	0.971	0.011	42.634	TRUE	1.02E-10
Non-allergic asthma	RPTOR	cg16892887	rs908236	C	G	0.462	0.024	0.351	2.49E-82	-0.005	0.016	0.750	0.091	369.231	TRUE	2.91E-78
Non-allergic asthma	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	0.011	0.019	0.555	0.028	105.290	TRUE	7.93E-24
Non-allergic asthma	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	0.010	0.017	0.561	0.027	101.286	TRUE	5.46E-23
Non-allergic asthma	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	0.010	0.020	0.618	0.008	31.398	TRUE	3.95E-08
Non-allergic asthma	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	-0.012	0.032	0.702	0.022	83.367	TRUE	2.67E-19
Non-allergic asthma	RPTOR	cg16980736	rs2138118	A	C	0.158	0.024	0.483	2.52E-11	0.002	0.016	0.903	0.012	44.495	TRUE	4.33E-11
Non-allergic asthma	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	-0.004	0.016	0.803	0.008	31.087	TRUE	3.89E-08
Non-allergic asthma	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	-0.030	0.043	0.490	0.024	92.237	TRUE	5.02E-21
Non-allergic asthma	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	-0.021	0.025	0.397	0.010	36.268	TRUE	4.51E-09
Non-allergic asthma	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	0.007	0.048	0.890	0.008	30.872	TRUE	4.02E-08
Non-allergic asthma	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	-0.005	0.020	0.818	0.011	39.759	TRUE	5.01E-10
Non-allergic asthma	RPTOR	cg17060157	rs4889874	G	A	0.149	0.027	0.239	5.00E-08	-0.046	0.021	0.027	0.008	29.701	TRUE	2.84E-07
Non-allergic asthma	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	0.009	0.017	0.574	0.032	122.625	TRUE	1.74E-27

Non-allergic asthma	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	-0.033	0.022	0.132	0.011	42.439	TRUE	3.60E-10
Non-allergic asthma	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	-0.030	0.021	0.148	0.016	59.059	TRUE	1.07E-13
Non-allergic asthma	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	0.027	0.033	0.421	0.010	36.306	TRUE	4.29E-09
Non-allergic asthma	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	0.003	0.019	0.885	0.056	220.988	TRUE	3.10E-48
Non-allergic asthma	RPTOR	cg17180011	rs4969293	A	T	0.648	0.028	0.211	2.29E-120	0.012	0.018	0.499	0.128	543.915	TRUE	2.03E-112
Non-allergic asthma	RPTOR	cg17180011	rs4969307	C	G	0.245	0.024	0.357	1.60E-23	-0.005	0.016	0.750	0.026	99.850	TRUE	7.99E-23
Non-allergic asthma	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	0.013	0.024	0.591	0.011	39.703	TRUE	6.52E-10
Non-allergic asthma	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	0.025	0.035	0.475	0.014	53.870	TRUE	6.97E-13
Non-allergic asthma	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	0.029	0.016	0.073	0.008	29.793	TRUE	2.08E-07
Non-allergic asthma	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	-0.019	0.024	0.429	0.279	1428.138	TRUE	1.45E-273
Non-allergic asthma	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	-0.040	0.084	0.633	0.015	56.667	TRUE	1.42E-13
Non-allergic asthma	RPTOR	cg17481637	rs116989815	T	A	-0.576	0.100	0.035	9.75E-09	0.019	0.056	0.741	0.009	32.873	TRUE	1.68E-08
Non-allergic asthma	RPTOR	cg17481637	rs117878919	A	G	0.309	0.055	0.092	1.58E-08	0.050	0.027	0.064	0.009	31.933	TRUE	7.63E-08
Non-allergic asthma	RPTOR	cg17481637	rs118179825	G	C	-0.577	0.105	0.012	4.31E-08	-0.006	0.083	0.940	0.008	29.990	TRUE	6.00E-08
Non-allergic asthma	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	0.003	0.017	0.846	0.010	36.376	TRUE	2.64E-09
Non-allergic asthma	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	0.012	0.016	0.436	0.018	68.429	TRUE	5.95E-16
Non-allergic asthma	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	0.014	0.016	0.361	0.031	116.789	TRUE	4.62E-26
Non-allergic asthma	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	-0.008	0.019	0.670	0.010	35.644	TRUE	4.51E-09
Non-allergic asthma	RPTOR	cg17481637	rs56179246	G	A	-0.405	0.045	0.075	1.51E-19	0.009	0.035	0.806	0.022	81.757	TRUE	5.04E-19
Non-allergic asthma	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	0.024	0.019	0.212	0.014	53.488	TRUE	1.35E-12
Non-allergic asthma	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	-0.011	0.016	0.474	0.022	82.506	TRUE	5.85E-19
Non-allergic asthma	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	-0.018	0.068	0.791	0.011	40.621	TRUE	3.35E-10
Non-allergic asthma	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	-0.030	0.021	0.148	0.026	99.279	TRUE	4.05E-22
Non-allergic asthma	RPTOR	cg17628491	rs13341621	A	G	-0.373	0.050	0.080	7.91E-14	0.027	0.033	0.419	0.015	55.799	TRUE	2.94E-13
Non-allergic asthma	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	-0.003	0.064	0.966	0.020	74.413	TRUE	1.49E-17
Non-allergic asthma	RPTOR	cg17628491	rs143673290	A	G	-0.502	0.089	0.039	1.76E-08	0.002	0.056	0.965	0.009	31.726	TRUE	2.45E-08
Non-allergic asthma	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	0.096	0.106	0.368	0.013	48.407	TRUE	1.19E-11
Non-allergic asthma	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	0.010	0.018	0.572	0.466	3226.955	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	-0.019	0.016	0.247	0.008	31.139	TRUE	7.05E-08
Non-allergic asthma	RPTOR	cg17628491	rs4969307	C	G	-0.290	0.024	0.357	1.54E-32	-0.005	0.016	0.750	0.037	141.007	TRUE	1.75E-31
Non-allergic asthma	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	-0.020	0.021	0.330	0.013	49.367	TRUE	7.94E-12
Non-allergic asthma	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	0.013	0.024	0.591	0.017	64.381	TRUE	3.40E-15
Non-allergic asthma	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	0.033	0.016	0.039	0.075	298.255	TRUE	2.28E-62
Non-allergic asthma	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	0.003	0.026	0.921	0.009	35.133	TRUE	4.59E-09
Non-allergic asthma	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	0.025	0.035	0.475	0.050	193.782	TRUE	3.43E-42
Non-allergic asthma	RPTOR	cg17628491	rs7502314	C	G	-0.174	0.030	0.188	7.48E-09	0.026	0.020	0.180	0.009	33.387	TRUE	2.65E-08
Non-allergic asthma	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	0.036	0.036	0.326	0.012	45.677	TRUE	4.87E-11
Non-allergic asthma	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	-0.054	0.132	0.681	0.008	31.152	TRUE	4.21E-08
Non-allergic asthma	RPTOR	cg17628491	rs8070259	T	C	-0.159	0.028	0.238	8.19E-09	0.001	0.020	0.960	0.009	33.212	TRUE	1.16E-08
Non-allergic asthma	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	-0.033	0.022	0.132	0.008	30.261	TRUE	1.37E-07
Non-allergic asthma	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	0.001	0.018	0.946	0.015	55.708	TRUE	1.57E-13
Non-allergic asthma	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	-0.008	0.018	0.644	0.032	122.840	TRUE	1.37E-27

Non-allergic asthma	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	-0.020	0.016	0.216	0.010	37.304	TRUE	3.60E-09
Non-allergic asthma	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	0.009	0.016	0.556	0.080	320.196	TRUE	4.01E-68
Non-allergic asthma	RPTOR	cg17831694	rs8077305	T	A	-0.167	0.030	0.212	1.71E-08	-0.002	0.018	0.913	0.009	31.786	TRUE	2.49E-08
Non-allergic asthma	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	-0.004	0.020	0.855	0.009	32.807	TRUE	1.57E-08
Non-allergic asthma	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	0.073	0.045	0.107	0.009	32.642	TRUE	4.59E-08
Non-allergic asthma	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	0.013	0.027	0.613	0.010	38.913	TRUE	9.43E-10
Non-allergic asthma	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	-0.002	0.029	0.956	0.042	161.747	TRUE	5.43E-36
Non-allergic asthma	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	-0.050	0.034	0.136	0.018	69.264	TRUE	8.06E-16
Non-allergic asthma	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	-0.011	0.057	0.853	0.011	41.759	TRUE	1.78E-10
Non-allergic asthma	RPTOR	cg17906851	rs2289763	G	C	0.267	0.036	0.119	2.68E-13	0.022	0.025	0.385	0.014	53.403	TRUE	1.00E-12
Non-allergic asthma	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	0.183	0.063	0.004	0.034	129.932	TRUE	1.24E-27
Non-allergic asthma	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	-0.015	0.019	0.440	0.013	46.915	TRUE	2.23E-11
Non-allergic asthma	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	-0.008	0.018	0.647	0.112	468.317	TRUE	7.60E-98
Non-allergic asthma	RPTOR	cg17906851	rs71368095	A	G	-0.502	0.027	0.219	4.10E-75	-0.004	0.019	0.837	0.083	336.110	TRUE	1.07E-71
Non-allergic asthma	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	-0.012	0.016	0.444	0.008	31.275	TRUE	5.05E-08
Non-allergic asthma	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	0.054	0.050	0.283	0.015	54.467	TRUE	7.15E-13
Non-allergic asthma	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	0.025	0.035	0.475	0.011	41.541	TRUE	3.01E-10
Non-allergic asthma	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	0.047	0.020	0.020	0.035	133.841	TRUE	8.87E-29
Non-allergic asthma	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	0.028	0.016	0.075	0.532	4204.107	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	-0.029	0.019	0.142	0.070	277.053	TRUE	1.29E-58
Non-allergic asthma	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	-0.054	0.047	0.255	0.008	31.598	TRUE	5.55E-08
Non-allergic asthma	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	-0.001	0.016	0.971	0.052	204.697	TRUE	6.02E-45
Non-allergic asthma	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	-0.023	0.027	0.383	0.012	45.994	TRUE	3.82E-11
Non-allergic asthma	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	0.001	0.019	0.945	0.018	68.397	TRUE	2.97E-16
Non-allergic asthma	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	0.008	0.016	0.620	0.036	136.287	TRUE	2.19E-30
Non-allergic asthma	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	0.008	0.034	0.812	0.008	31.151	TRUE	3.74E-08
Non-allergic asthma	RPTOR	cg17956530	rs4555197	G	C	-0.257	0.027	0.243	3.55E-21	0.003	0.017	0.870	0.024	89.159	TRUE	1.23E-20
Non-allergic asthma	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	-0.011	0.016	0.477	0.020	77.265	TRUE	7.47E-18
Non-allergic asthma	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	0.012	0.023	0.600	0.011	42.769	TRUE	1.41E-10
Non-allergic asthma	RPTOR	cg17956530	rs56179246	G	A	-0.719	0.044	0.075	2.97E-59	0.009	0.035	0.806	0.066	263.354	TRUE	7.32E-57
Non-allergic asthma	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	0.003	0.026	0.921	0.023	87.291	TRUE	2.85E-20
Non-allergic asthma	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	-0.020	0.021	0.330	0.009	35.276	TRUE	8.06E-09
Non-allergic asthma	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	0.024	0.019	0.212	0.024	89.850	TRUE	3.02E-20
Non-allergic asthma	RPTOR	cg17956530	rs76473598	G	C	-1.119	0.161	0.012	3.40E-12	0.058	0.071	0.419	0.013	48.417	TRUE	1.10E-11
Non-allergic asthma	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	0.015	0.024	0.526	0.281	1445.230	TRUE	8.74E-277
Non-allergic asthma	RPTOR	cg18091083	rs118179825	G	C	-1.213	0.105	0.012	7.60E-31	-0.006	0.083	0.940	0.035	133.272	TRUE	5.22E-30
Non-allergic asthma	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	-0.015	0.016	0.369	0.012	44.645	TRUE	7.56E-11
Non-allergic asthma	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	0.000	0.017	0.997	0.023	88.440	TRUE	1.45E-20
Non-allergic asthma	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	-0.015	0.016	0.354	0.017	65.564	TRUE	2.79E-15
Non-allergic asthma	RPTOR	cg18091083	rs55737346	C	T	-0.534	0.073	0.034	2.34E-13	-0.004	0.053	0.933	0.014	53.663	TRUE	4.40E-13
Non-allergic asthma	RPTOR	cg18091083	rs73368831	C	A	-1.433	0.051	0.045	1.22E-173	0.005	0.046	0.910	0.176	788.744	TRUE	5.20E-160
Non-allergic asthma	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	-0.004	0.020	0.830	0.031	119.579	TRUE	4.81E-27

Non-allergic asthma	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	0.013	0.027	0.613	0.014	53.078	TRUE	8.55E-13
Non-allergic asthma	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	-0.017	0.021	0.424	0.018	69.142	TRUE	4.29E-16
Non-allergic asthma	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	-0.002	0.029	0.956	0.026	98.870	TRUE	9.39E-23
Non-allergic asthma	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	-0.050	0.034	0.136	0.013	50.255	TRUE	7.98E-12
Non-allergic asthma	RPTOR	cg18425700	rs2271610	G	C	0.410	0.033	0.135	1.16E-34	0.034	0.022	0.120	0.039	150.710	TRUE	1.00E-32
Non-allergic asthma	RPTOR	cg18425700	rs36022926	T	A	0.155	0.027	0.250	1.01E-08	-0.015	0.017	0.382	0.009	32.807	TRUE	2.55E-08
Non-allergic asthma	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	-0.006	0.016	0.701	0.035	133.856	TRUE	6.05E-30
Non-allergic asthma	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	-0.013	0.016	0.433	0.014	52.062	TRUE	1.80E-12
Non-allergic asthma	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	0.025	0.033	0.449	0.014	50.958	TRUE	3.02E-12
Non-allergic asthma	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	-0.016	0.021	0.452	0.009	32.639	TRUE	2.54E-08
Non-allergic asthma	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	0.048	0.027	0.072	0.010	38.274	TRUE	3.39E-09
Non-allergic asthma	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	-0.004	0.019	0.837	0.078	314.425	TRUE	2.63E-67
Non-allergic asthma	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	0.028	0.016	0.075	0.352	2010.044	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	0.047	0.020	0.020	0.008	30.398	TRUE	2.19E-07
Non-allergic asthma	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	-0.001	0.016	0.971	0.044	171.059	TRUE	5.97E-38
Non-allergic asthma	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	0.000	0.016	0.994	0.010	36.122	TRUE	2.61E-09
Non-allergic asthma	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	0.005	0.016	0.742	0.010	38.530	TRUE	9.96E-10
Non-allergic asthma	RPTOR	cg18607849	rs62069420	A	T	-0.830	0.050	0.058	5.35E-63	-0.035	0.043	0.411	0.070	280.523	TRUE	7.14E-60
Non-allergic asthma	RPTOR	cg18612040	rs908236	C	G	-0.181	0.025	0.351	2.11E-13	-0.005	0.016	0.750	0.014	53.870	TRUE	4.89E-13
Non-allergic asthma	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	0.018	0.016	0.285	0.009	33.015	TRUE	2.63E-08
Non-allergic asthma	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	-0.001	0.021	0.963	0.023	85.240	TRUE	7.34E-20
Non-allergic asthma	RPTOR	cg18758433	rs118179825	G	C	0.839	0.105	0.012	1.44E-15	-0.006	0.083	0.940	0.017	63.675	TRUE	3.07E-15
Non-allergic asthma	RPTOR	cg18758433	rs12601434	G	C	-0.312	0.027	0.234	6.97E-31	-0.014	0.019	0.466	0.035	133.445	TRUE	1.19E-29
Non-allergic asthma	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	0.010	0.020	0.618	0.009	35.105	TRUE	6.22E-09
Non-allergic asthma	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	-0.001	0.016	0.955	0.077	308.823	TRUE	2.64E-66
Non-allergic asthma	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	-0.024	0.027	0.367	0.015	57.192	TRUE	1.62E-13
Non-allergic asthma	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	0.039	0.041	0.341	0.015	54.566	TRUE	6.12E-13
Non-allergic asthma	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	-0.017	0.022	0.425	0.010	36.696	TRUE	3.52E-09
Non-allergic asthma	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	-0.023	0.048	0.632	0.010	37.556	TRUE	1.81E-09
Non-allergic asthma	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	0.010	0.017	0.573	0.009	33.443	TRUE	1.49E-08
Non-allergic asthma	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	-0.001	0.017	0.967	0.080	319.702	TRUE	1.58E-68
Non-allergic asthma	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	-0.008	0.016	0.609	0.010	36.422	TRUE	3.26E-09
Non-allergic asthma	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	0.001	0.016	0.942	0.009	33.497	TRUE	1.02E-08
Non-allergic asthma	RPTOR	cg18780100	rs9915667	A	G	0.178	0.024	0.438	4.64E-14	-0.024	0.016	0.138	0.015	56.844	TRUE	3.25E-13
Non-allergic asthma	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	-0.050	0.034	0.136	0.012	45.247	TRUE	9.09E-11
Non-allergic asthma	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	0.001	0.018	0.946	0.014	53.123	TRUE	5.67E-13
Non-allergic asthma	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	0.012	0.023	0.600	0.034	130.485	TRUE	3.74E-29
Non-allergic asthma	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	0.001	0.040	0.973	0.011	41.353	TRUE	1.94E-10
Non-allergic asthma	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	-0.023	0.017	0.170	0.026	99.388	TRUE	3.53E-22
Non-allergic asthma	RPTOR	cg19292222	rs13341621	A	G	0.328	0.050	0.080	5.55E-11	0.027	0.033	0.419	0.011	42.949	TRUE	1.62E-10
Non-allergic asthma	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	-0.011	0.057	0.853	0.029	110.081	TRUE	4.67E-25
Non-allergic asthma	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	0.011	0.022	0.630	0.125	527.692	TRUE	1.75E-109

Non-allergic asthma	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	-0.029	0.053	0.578	0.009	33.116	TRUE	1.75E-08
Non-allergic asthma	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	-0.012	0.016	0.456	0.049	190.676	TRUE	1.58E-41
Non-allergic asthma	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	0.004	0.027	0.869	0.164	725.624	TRUE	5.17E-148
Non-allergic asthma	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	0.009	0.016	0.557	0.022	82.705	TRUE	4.61E-19
Non-allergic asthma	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	-0.033	0.022	0.132	0.012	46.047	TRUE	6.23E-11
Non-allergic asthma	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	0.001	0.018	0.946	0.035	133.965	TRUE	3.70E-30
Non-allergic asthma	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	-0.047	0.052	0.362	0.019	73.524	TRUE	5.69E-17
Non-allergic asthma	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	0.032	0.024	0.179	0.060	237.963	TRUE	8.90E-51
Non-allergic asthma	RPTOR	cg19394169	rs4969323	C	G	-0.255	0.030	0.203	2.72E-17	-0.002	0.020	0.927	0.019	71.502	TRUE	6.58E-17
Non-allergic asthma	RPTOR	cg19394169	rs547581211	A	T	0.341	0.059	0.036	6.11E-09	0.004	0.047	0.934	0.009	33.782	TRUE	8.94E-09
Non-allergic asthma	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	0.014	0.016	0.373	0.012	45.232	TRUE	5.63E-11
Non-allergic asthma	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	0.017	0.017	0.310	0.053	205.905	TRUE	1.81E-44
Non-allergic asthma	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	-0.009	0.021	0.653	0.051	197.506	TRUE	3.75E-43
Non-allergic asthma	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	0.008	0.016	0.628	0.441	2922.027	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	-0.013	0.019	0.487	0.050	194.802	TRUE	2.05E-42
Non-allergic asthma	RPTOR	cg19394169	rs9903399	C	T	0.231	0.041	0.222	1.56E-08	-0.003	0.021	0.879	0.009	31.960	TRUE	2.35E-08
Non-allergic asthma	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	0.020	0.018	0.265	0.053	206.602	TRUE	1.55E-44
Non-allergic asthma	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	-0.008	0.016	0.631	0.008	30.878	TRUE	5.07E-08
Non-allergic asthma	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	-0.002	0.031	0.956	0.031	117.133	TRUE	1.28E-26
Non-allergic asthma	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	0.003	0.026	0.921	0.009	33.866	TRUE	8.67E-09
Non-allergic asthma	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	-0.030	0.043	0.490	0.010	38.061	TRUE	1.65E-09
Non-allergic asthma	RPTOR	cg20462129	rs9915667	A	G	-0.140	0.023	0.438	1.62E-09	-0.024	0.016	0.138	0.010	36.364	TRUE	6.82E-09
Non-allergic asthma	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	-0.019	0.024	0.429	0.012	44.267	TRUE	8.35E-11
Non-allergic asthma	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	0.005	0.016	0.742	0.015	56.992	TRUE	1.06E-13
Non-allergic asthma	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	-0.024	0.039	0.538	0.038	144.150	TRUE	5.91E-32
Non-allergic asthma	RPTOR	cg20500836	rs908241	A	G	-0.264	0.047	0.129	1.77E-08	0.026	0.020	0.194	0.009	31.717	TRUE	5.83E-08
Non-allergic asthma	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	-0.017	0.016	0.305	0.488	3524.466	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	0.002	0.021	0.939	0.013	49.906	TRUE	2.82E-12
Non-allergic asthma	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	0.033	0.036	0.364	0.031	117.598	TRUE	3.10E-26
Non-allergic asthma	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	0.002	0.018	0.914	0.012	45.166	TRUE	3.06E-11
Non-allergic asthma	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	0.002	0.019	0.920	0.015	56.727	TRUE	9.78E-14
Non-allergic asthma	RPTOR	cg20502501	rs4969426	A	T	-0.179	0.024	0.375	6.79E-14	0.001	0.016	0.954	0.015	56.097	TRUE	1.28E-13
Non-allergic asthma	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	-0.030	0.043	0.490	0.034	129.225	TRUE	8.60E-29
Non-allergic asthma	RPTOR	cg20502501	rs60024815	T	A	-0.365	0.027	0.251	8.50E-43	0.009	0.018	0.613	0.048	187.943	TRUE	3.93E-41
Non-allergic asthma	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	0.002	0.032	0.961	0.036	138.193	TRUE	4.65E-31
Non-allergic asthma	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	0.006	0.016	0.723	0.012	44.178	TRUE	6.13E-11
Non-allergic asthma	RPTOR	cg20502501	rs73368831	C	A	0.627	0.053	0.045	7.12E-32	0.005	0.046	0.910	0.036	137.973	TRUE	5.66E-31
Non-allergic asthma	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	-0.001	0.025	0.961	0.042	162.462	TRUE	3.81E-36
Non-allergic asthma	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	-0.025	0.016	0.120	0.052	203.321	TRUE	1.54E-43
Non-allergic asthma	RPTOR	cg20758492	rs9894515	T	A	-0.363	0.058	0.041	4.72E-10	0.006	0.048	0.899	0.010	38.767	TRUE	7.59E-10
Non-allergic asthma	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	-0.081	0.096	0.394	0.008	31.647	TRUE	4.45E-08
Non-allergic asthma	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	-0.030	0.024	0.211	0.072	287.126	TRUE	7.68E-61

Non-allergic asthma	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	0.011	0.017	0.516	0.011	40.326	TRUE	5.22E-10
Non-allergic asthma	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	0.000	0.016	0.977	0.010	35.825	TRUE	3.08E-09
Non-allergic asthma	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	0.016	0.017	0.362	0.033	124.669	TRUE	1.04E-27
Non-allergic asthma	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	0.018	0.016	0.285	0.035	132.425	TRUE	3.11E-29
Non-allergic asthma	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	0.010	0.019	0.606	0.019	72.347	TRUE	6.72E-17
Non-allergic asthma	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	-0.014	0.019	0.474	0.304	1614.509	TRUE	2.95E-305
Non-allergic asthma	RPTOR	cg21143224	rs112803228	A	G	-0.886	0.106	0.031	4.76E-17	0.051	0.071	0.470	0.019	70.396	TRUE	2.15E-16
Non-allergic asthma	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	-0.020	0.061	0.743	0.015	57.513	TRUE	8.17E-14
Non-allergic asthma	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	0.003	0.016	0.872	0.009	33.969	TRUE	8.61E-09
Non-allergic asthma	RPTOR	cg21143224	rs4072746	T	C	0.215	0.038	0.115	1.62E-08	0.027	0.020	0.172	0.009	31.890	TRUE	5.61E-08
Non-allergic asthma	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	0.016	0.023	0.485	0.040	155.050	TRUE	3.57E-34
Non-allergic asthma	RPTOR	cg21143224	rs4555197	G	C	0.262	0.027	0.243	5.03E-22	0.003	0.017	0.870	0.025	93.025	TRUE	1.86E-21
Non-allergic asthma	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	0.007	0.048	0.876	0.027	101.411	TRUE	3.07E-23
Non-allergic asthma	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	0.010	0.017	0.561	0.048	187.472	TRUE	5.55E-41
Non-allergic asthma	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	0.003	0.026	0.921	0.010	38.129	TRUE	1.02E-09
Non-allergic asthma	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	0.001	0.021	0.950	0.023	87.734	TRUE	2.20E-20
Non-allergic asthma	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	-0.004	0.022	0.872	0.015	56.424	TRUE	1.20E-13
Non-allergic asthma	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	-0.029	0.024	0.226	0.021	80.923	TRUE	2.16E-18
Non-allergic asthma	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	0.010	0.019	0.606	0.011	40.656	TRUE	4.00E-10
Non-allergic asthma	RPTOR	cg21507958	rs118179825	G	C	-0.836	0.105	0.012	2.07E-15	-0.006	0.083	0.940	0.017	62.965	TRUE	4.36E-15
Non-allergic asthma	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	0.000	0.017	0.997	0.016	60.923	TRUE	1.12E-14
Non-allergic asthma	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	-0.015	0.016	0.362	0.019	73.530	TRUE	5.67E-17
Non-allergic asthma	RPTOR	cg21507958	rs73368831	C	A	-1.228	0.052	0.045	8.50E-124	0.005	0.046	0.910	0.131	559.674	TRUE	3.64E-116
Non-allergic asthma	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	0.013	0.053	0.805	0.031	117.654	TRUE	1.28E-26
Non-allergic asthma	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	-0.054	0.047	0.255	0.033	127.980	TRUE	2.87E-28
Non-allergic asthma	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	0.011	0.018	0.553	0.019	73.517	TRUE	4.11E-17
Non-allergic asthma	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	-0.004	0.019	0.837	0.024	91.490	TRUE	4.12E-21
Non-allergic asthma	RPTOR	cg22255288	rs75032657	G	C	-0.171	0.026	0.242	1.17E-10	-0.004	0.019	0.837	0.011	41.499	TRUE	2.06E-10
Non-allergic asthma	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	0.000	0.016	0.995	0.020	75.074	TRUE	1.04E-17
Non-allergic asthma	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	-0.029	0.032	0.364	0.013	47.957	TRUE	1.50E-11
Non-allergic asthma	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	0.005	0.016	0.736	0.031	118.674	TRUE	8.76E-27
Non-allergic asthma	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	-0.081	0.096	0.394	0.009	32.766	TRUE	2.56E-08
Non-allergic asthma	RPTOR	cg22386583	rs139980334	C	T	-0.297	0.047	0.065	3.04E-10	-0.019	0.034	0.565	0.011	39.627	TRUE	6.97E-10
Non-allergic asthma	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	-0.028	0.028	0.316	0.094	384.224	TRUE	1.39E-80
Non-allergic asthma	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	0.002	0.016	0.889	0.014	53.350	TRUE	5.40E-13
Non-allergic asthma	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	-0.002	0.029	0.956	0.009	34.867	TRUE	5.08E-09
Non-allergic asthma	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	0.003	0.019	0.891	0.054	209.690	TRUE	6.63E-46
Non-allergic asthma	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	-0.002	0.023	0.944	0.009	34.689	TRUE	5.62E-09
Non-allergic asthma	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	-0.030	0.021	0.148	0.056	217.933	TRUE	1.31E-46
Non-allergic asthma	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	0.027	0.033	0.419	0.024	91.304	TRUE	9.05E-21
Non-allergic asthma	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	0.096	0.106	0.368	0.014	52.044	TRUE	2.01E-12
Non-allergic asthma	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	0.010	0.018	0.572	0.405	2517.411	TRUE	<1E-200

Non-allergic asthma	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	-0.020	0.021	0.330	0.014	53.530	TRUE	1.04E-12
Non-allergic asthma	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	0.013	0.024	0.591	0.012	44.399	TRUE	6.37E-11
Non-allergic asthma	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	0.003	0.026	0.921	0.010	36.424	TRUE	2.40E-09
Non-allergic asthma	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	0.025	0.035	0.475	0.017	62.390	TRUE	1.07E-14
Non-allergic asthma	RPTOR	cg22636722	rs908236	C	G	0.291	0.025	0.351	2.76E-32	-0.005	0.016	0.750	0.036	139.849	TRUE	3.06E-31
Non-allergic asthma	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	0.029	0.016	0.073	0.012	43.433	TRUE	2.79E-10
Non-allergic asthma	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	-0.015	0.016	0.362	0.014	52.792	TRUE	1.41E-12
Non-allergic asthma	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	-0.017	0.018	0.343	0.011	43.014	TRUE	1.75E-10
Non-allergic asthma	RPTOR	cg22652378	rs34461761	C	G	0.265	0.037	0.114	1.50E-12	-0.042	0.032	0.191	0.013	50.017	TRUE	7.67E-12
Non-allergic asthma	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	0.005	0.016	0.729	0.046	179.265	TRUE	1.91E-39
Non-allergic asthma	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	-0.024	0.017	0.173	0.008	31.504	TRUE	6.75E-08
Non-allergic asthma	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	-0.029	0.024	0.219	0.032	121.569	TRUE	7.00E-27
Non-allergic asthma	RPTOR	cg22838354	rs4969429	A	G	-0.153	0.026	0.273	4.78E-09	-0.002	0.018	0.900	0.009	34.257	TRUE	7.26E-09
Non-allergic asthma	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	0.002	0.021	0.939	0.026	97.401	TRUE	1.97E-22
Non-allergic asthma	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	0.033	0.036	0.364	0.025	95.993	TRUE	1.05E-21
Non-allergic asthma	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	-0.081	0.096	0.394	0.020	75.083	TRUE	2.51E-17
Non-allergic asthma	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	0.016	0.017	0.346	0.167	743.121	TRUE	2.94E-150
Non-allergic asthma	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	0.002	0.016	0.915	0.056	219.195	TRUE	6.81E-48
Non-allergic asthma	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	-0.028	0.028	0.316	0.211	988.951	TRUE	1.07E-195
Non-allergic asthma	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	0.003	0.026	0.921	0.022	82.919	TRUE	2.43E-19
Non-allergic asthma	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	-0.020	0.021	0.330	0.030	113.519	TRUE	2.40E-25
Non-allergic asthma	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	0.001	0.021	0.950	0.039	150.824	TRUE	1.06E-33
Non-allergic asthma	RPTOR	cg22878693	rs72858222	G	C	-0.672	0.096	0.035	1.96E-12	-0.021	0.048	0.671	0.013	49.493	TRUE	4.67E-12
Non-allergic asthma	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	-0.007	0.016	0.636	0.048	187.509	TRUE	4.57E-41
Non-allergic asthma	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	0.012	0.020	0.528	0.024	91.212	TRUE	7.71E-21
Non-allergic asthma	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	0.039	0.041	0.341	0.049	190.893	TRUE	2.01E-41
Non-allergic asthma	RPTOR	cg22984380	rs139980334	C	T	-0.514	0.047	0.065	6.91E-28	-0.019	0.034	0.565	0.031	119.761	TRUE	7.07E-27
Non-allergic asthma	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	-0.017	0.018	0.343	0.040	153.368	TRUE	1.16E-33
Non-allergic asthma	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	-0.013	0.024	0.596	0.017	64.965	TRUE	2.54E-15
Non-allergic asthma	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	0.005	0.016	0.742	0.088	355.387	TRUE	1.81E-75
Non-allergic asthma	RPTOR	cg22984380	rs4969429	A	G	0.277	0.026	0.273	6.39E-26	-0.002	0.018	0.900	0.029	110.788	TRUE	3.07E-25
Non-allergic asthma	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	-0.023	0.020	0.258	0.020	74.822	TRUE	3.80E-17
Non-allergic asthma	RPTOR	cg22984380	rs7223529	A	T	0.220	0.028	0.228	3.05E-15	0.008	0.018	0.656	0.017	62.200	TRUE	9.07E-15
Non-allergic asthma	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	-0.001	0.025	0.961	0.078	313.751	TRUE	2.59E-67
Non-allergic asthma	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	-0.016	0.020	0.425	0.367	2143.020	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg22984380	rs9909563	T	A	-0.317	0.027	0.269	2.02E-32	0.011	0.017	0.545	0.037	140.477	TRUE	3.40E-31
Non-allergic asthma	RPTOR	cg23019125	rs112803228	A	G	-0.677	0.106	0.031	1.77E-10	0.051	0.071	0.470	0.011	40.686	TRUE	4.62E-10
Non-allergic asthma	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	-0.058	0.087	0.508	0.016	59.253	TRUE	4.73E-14
Non-allergic asthma	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	-0.015	0.019	0.433	0.015	55.471	TRUE	3.38E-13
Non-allergic asthma	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	-0.018	0.024	0.439	0.168	749.017	TRUE	1.33E-151
Non-allergic asthma	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	-0.012	0.019	0.535	0.019	69.915	TRUE	2.45E-16
Non-allergic asthma	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	0.005	0.016	0.742	0.031	118.686	TRUE	8.61E-27

Non-allergic asthma	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	-0.023	0.020	0.258	0.009	32.241	TRUE	4.02E-08
Non-allergic asthma	RPTOR	cg23238734	rs8073414	G	A	-0.172	0.024	0.353	1.84E-12	0.014	0.016	0.372	0.013	49.618	TRUE	6.55E-12
Non-allergic asthma	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	-0.028	0.028	0.326	0.014	52.300	TRUE	1.90E-12
Non-allergic asthma	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	-0.014	0.022	0.514	0.009	34.477	TRUE	9.51E-09
Non-allergic asthma	RPTOR	cg23463786	rs9889802	G	C	-0.174	0.030	0.184	8.81E-09	0.011	0.019	0.549	0.009	33.071	TRUE	1.84E-08
Non-allergic asthma	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	0.012	0.016	0.435	0.009	33.008	TRUE	2.16E-08
Non-allergic asthma	RPTOR	cg23542426	rs7209810	C	G	0.498	0.049	0.059	4.86E-24	-0.037	0.043	0.385	0.027	102.207	TRUE	4.95E-23
Non-allergic asthma	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	0.000	0.017	0.991	0.024	91.546	TRUE	3.20E-21
Non-allergic asthma	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	-0.050	0.034	0.136	0.014	52.290	TRUE	2.97E-12
Non-allergic asthma	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	0.001	0.018	0.946	0.022	84.064	TRUE	1.34E-19
Non-allergic asthma	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	0.012	0.023	0.600	0.058	226.660	TRUE	4.15E-49
Non-allergic asthma	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	0.025	0.035	0.475	0.009	34.912	TRUE	8.01E-09
Non-allergic asthma	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	0.009	0.018	0.610	0.010	37.620	TRUE	1.80E-09
Non-allergic asthma	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	0.006	0.016	0.732	0.120	502.239	TRUE	1.18E-104
Non-allergic asthma	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	-0.002	0.023	0.944	0.012	43.945	TRUE	5.46E-11
Non-allergic asthma	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	0.096	0.106	0.368	0.015	57.490	TRUE	1.40E-13
Non-allergic asthma	RPTOR	cg24207068	rs2289763	G	C	1.202	0.032	0.119	<1E-200	0.022	0.025	0.385	0.278	1421.615	TRUE	2.66E-272
Non-allergic asthma	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	-0.023	0.048	0.632	0.008	30.958	TRUE	4.86E-08
Non-allergic asthma	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	-0.006	0.017	0.723	0.052	201.448	TRUE	4.88E-44
Non-allergic asthma	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	0.002	0.017	0.912	0.011	41.613	TRUE	1.81E-10
Non-allergic asthma	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	0.000	0.018	0.987	0.009	33.984	TRUE	7.70E-09
Non-allergic asthma	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	-0.038	0.043	0.377	0.020	75.775	TRUE	1.85E-17
Non-allergic asthma	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	-0.020	0.021	0.330	0.016	60.400	TRUE	3.61E-14
Non-allergic asthma	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	0.004	0.027	0.869	0.027	103.256	TRUE	1.26E-23
Non-allergic asthma	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	-0.029	0.019	0.142	0.075	297.971	TRUE	7.70E-63
Non-allergic asthma	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	-0.031	0.023	0.164	0.009	32.160	TRUE	5.00E-08
Non-allergic asthma	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	0.013	0.027	0.613	0.010	38.374	TRUE	1.23E-09
Non-allergic asthma	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	-0.033	0.022	0.132	0.018	69.079	TRUE	8.94E-16
Non-allergic asthma	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	0.048	0.024	0.047	0.019	71.116	TRUE	5.39E-16
Non-allergic asthma	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	-0.023	0.017	0.170	0.016	60.754	TRUE	4.41E-14
Non-allergic asthma	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	-0.050	0.035	0.150	0.008	30.330	TRUE	1.27E-07
Non-allergic asthma	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	0.021	0.046	0.647	0.010	36.095	TRUE	3.69E-09
Non-allergic asthma	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	0.015	0.040	0.705	0.017	63.053	TRUE	5.59E-15
Non-allergic asthma	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	-0.007	0.019	0.719	0.102	418.606	TRUE	4.27E-88
Non-allergic asthma	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	-0.014	0.017	0.416	0.020	74.544	TRUE	3.13E-17
Non-allergic asthma	RPTOR	cg24315876	rs3751934	A	C	0.387	0.024	0.401	2.99E-59	0.005	0.016	0.735	0.066	263.340	TRUE	8.80E-57
Non-allergic asthma	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	-0.047	0.052	0.362	0.020	77.121	TRUE	9.89E-18
Non-allergic asthma	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	-0.011	0.018	0.539	0.159	698.053	TRUE	3.63E-142
Non-allergic asthma	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	0.013	0.053	0.805	0.010	36.636	TRUE	2.41E-09
Non-allergic asthma	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	0.014	0.016	0.373	0.018	68.106	TRUE	7.79E-16
Non-allergic asthma	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	0.036	0.022	0.105	0.110	456.324	TRUE	3.30E-94
Non-allergic asthma	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	-0.017	0.020	0.406	0.010	38.670	TRUE	1.36E-09

Non-allergic asthma	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	-0.001	0.016	0.971	0.318	1722.199	TRUE	<1E-200
Non-allergic asthma	RPTOR	cg24315876	rs9903399	C	T	0.294	0.041	0.222	4.93E-13	-0.003	0.021	0.879	0.014	52.203	TRUE	9.64E-13
Non-allergic asthma	RPTOR	cg24315876	rs9915393	G	C	0.645	0.026	0.258	3.42E-137	-0.041	0.017	0.018	0.144	621.228	TRUE	2.88E-125
Non-allergic asthma	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	0.012	0.018	0.503	0.168	747.648	TRUE	1.73E-151
Non-allergic asthma	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	-0.002	0.029	0.956	0.009	32.834	TRUE	1.41E-08
Non-allergic asthma	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	0.003	0.019	0.891	0.060	235.207	TRUE	3.58E-51
Non-allergic asthma	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	0.027	0.033	0.421	0.013	47.762	TRUE	1.51E-11
Non-allergic asthma	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	-0.006	0.017	0.723	0.013	49.042	TRUE	5.50E-12
Non-allergic asthma	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	-0.023	0.020	0.258	0.008	31.305	TRUE	6.37E-08
Non-allergic asthma	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	0.003	0.026	0.921	0.010	38.175	TRUE	9.99E-10
Non-allergic asthma	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	0.025	0.035	0.475	0.011	40.413	TRUE	5.26E-10
Non-allergic asthma	RPTOR	cg24327522	rs7502321	C	T	0.142	0.024	0.386	3.62E-09	0.017	0.016	0.298	0.009	34.800	TRUE	1.07E-08
Non-allergic asthma	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	-0.029	0.019	0.142	0.037	143.167	TRUE	3.20E-31
Non-allergic asthma	RPTOR	cg24343322	rs71368095	A	G	-0.159	0.028	0.219	8.46E-09	-0.004	0.019	0.837	0.009	33.148	TRUE	1.34E-08
Non-allergic asthma	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	0.029	0.016	0.070	0.024	90.663	TRUE	3.87E-20
Non-allergic asthma	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	0.027	0.016	0.084	0.014	53.838	TRUE	1.72E-12
Non-allergic asthma	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	0.028	0.016	0.075	0.069	273.325	TRUE	1.36E-57
Non-allergic asthma	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	0.036	0.016	0.024	0.009	32.226	TRUE	8.65E-08
Non-allergic asthma	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	0.019	0.037	0.609	0.010	37.168	TRUE	2.25E-09
Non-allergic asthma	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	-0.009	0.016	0.592	0.014	53.012	TRUE	9.07E-13
Non-allergic asthma	RPTOR	cg25288455	rs12185227	G	C	-0.137	0.024	0.390	7.87E-09	-0.002	0.016	0.913	0.009	33.288	TRUE	1.17E-08
Non-allergic asthma	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	0.005	0.016	0.767	0.037	143.654	TRUE	4.73E-32
Non-allergic asthma	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	0.002	0.032	0.958	0.013	48.607	TRUE	5.28E-12
Non-allergic asthma	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	0.022	0.034	0.510	0.012	45.656	TRUE	3.78E-11
Non-allergic asthma	RPTOR	cg25673241	rs12185227	G	C	-0.137	0.024	0.390	9.17E-09	-0.002	0.016	0.913	0.009	32.992	TRUE	1.35E-08
Non-allergic asthma	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	0.005	0.016	0.767	0.024	92.786	TRUE	2.43E-21
Non-allergic asthma	RPTOR	cg25673241	rs62069691	T	A	0.302	0.041	0.087	2.13E-13	0.015	0.027	0.568	0.014	53.856	TRUE	6.17E-13
Non-allergic asthma	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	-0.005	0.016	0.767	0.010	36.864	TRUE	2.23E-09
Non-allergic asthma	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	-0.007	0.019	0.719	0.012	46.209	TRUE	2.25E-11
Non-allergic asthma	RPTOR	cg25739309	rs3751937	A	C	-0.188	0.031	0.203	1.19E-09	-0.021	0.019	0.280	0.010	36.963	TRUE	3.80E-09
Non-allergic asthma	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	-0.010	0.017	0.542	0.054	210.465	TRUE	1.04E-45
Non-allergic asthma	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	-0.017	0.021	0.424	0.008	31.439	TRUE	4.76E-08
Non-allergic asthma	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	-0.033	0.022	0.132	0.025	94.316	TRUE	4.72E-21
Non-allergic asthma	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	-0.023	0.019	0.214	0.013	50.567	TRUE	5.55E-12
Non-allergic asthma	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	0.001	0.023	0.962	0.008	31.173	TRUE	3.24E-08
Non-allergic asthma	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	0.096	0.106	0.368	0.013	46.839	TRUE	2.58E-11
Non-allergic asthma	RPTOR	cg25902229	rs181994473	A	G	-0.245	0.044	0.090	2.76E-08	-0.027	0.033	0.424	0.008	30.855	TRUE	6.36E-08
Non-allergic asthma	RPTOR	cg25902229	rs2289765	G	A	1.029	0.033	0.137	1.51E-212	0.007	0.023	0.775	0.207	967.618	TRUE	6.26E-193
Non-allergic asthma	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	0.011	0.019	0.570	0.009	34.655	TRUE	8.19E-09
Non-allergic asthma	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	0.005	0.016	0.767	0.014	53.714	TRUE	5.18E-13
Non-allergic asthma	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	0.001	0.016	0.958	0.291	1521.519	TRUE	6.97E-291
Non-allergic asthma	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	0.028	0.016	0.075	0.041	156.454	TRUE	9.13E-34

Non-allergic asthma	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	0.014	0.016	0.373	0.010	37.626	TRUE	2.38E-09
Non-allergic asthma	RPTOR	cg25902229	rs58903229	A	T	0.560	0.049	0.080	6.34E-30	0.027	0.033	0.421	0.034	129.063	TRUE	1.09E-28
Non-allergic asthma	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	-0.022	0.016	0.176	0.038	144.298	TRUE	1.58E-31
Non-allergic asthma	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	0.025	0.022	0.261	0.059	230.051	TRUE	2.46E-49
Non-allergic asthma	RPTOR	cg25902229	rs7209723	C	G	0.163	0.028	0.247	4.09E-09	0.005	0.017	0.782	0.009	34.562	TRUE	6.95E-09
Non-allergic asthma	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	-0.023	0.020	0.258	0.011	41.634	TRUE	3.98E-10
Non-allergic asthma	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	0.004	0.027	0.869	0.011	39.926	TRUE	4.38E-10
Non-allergic asthma	RPTOR	cg25902229	rs7502321	C	T	0.205	0.024	0.386	1.29E-17	0.017	0.016	0.298	0.019	72.965	TRUE	8.53E-17
Non-allergic asthma	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	0.036	0.036	0.326	0.008	30.994	TRUE	6.72E-08
Non-allergic asthma	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	-0.031	0.023	0.164	0.010	36.328	TRUE	6.51E-09
Non-allergic asthma	RPTOR	cg25902229	rs9897600	T	C	0.237	0.043	0.082	4.39E-08	-0.037	0.025	0.143	0.008	29.953	TRUE	1.55E-07
Non-allergic asthma	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	-0.004	0.029	0.900	0.008	30.109	TRUE	5.85E-08
Non-allergic asthma	RPTOR	cg25985643	rs116931702	G	C	-0.398	0.045	0.069	5.70E-19	0.021	0.029	0.479	0.021	79.127	TRUE	3.00E-18
Non-allergic asthma	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	0.002	0.016	0.915	0.017	65.878	TRUE	1.07E-15
Non-allergic asthma	RPTOR	cg25985643	rs12951739	T	G	-0.639	0.023	0.455	2.38E-175	0.000	0.016	0.979	0.177	796.605	TRUE	1.30E-161
Non-allergic asthma	RPTOR	cg25985643	rs2672871	C	G	-0.190	0.030	0.187	2.37E-10	-0.016	0.024	0.522	0.011	40.112	TRUE	5.76E-10
Non-allergic asthma	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	-0.015	0.030	0.625	0.012	46.210	TRUE	2.50E-11
Non-allergic asthma	RPTOR	cg25985643	rs4072746	T	C	0.231	0.038	0.115	1.63E-09	0.027	0.020	0.172	0.010	36.356	TRUE	6.30E-09
Non-allergic asthma	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	-0.028	0.030	0.356	0.011	41.998	TRUE	2.83E-10
Non-allergic asthma	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	-0.013	0.032	0.699	0.050	193.597	TRUE	2.17E-42
Non-allergic asthma	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	-0.023	0.048	0.632	0.008	30.300	TRUE	6.76E-08
Non-allergic asthma	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	-0.020	0.021	0.328	0.028	105.859	TRUE	9.71E-24
Non-allergic asthma	RPTOR	cg25985643	rs72856538	C	G	-0.191	0.028	0.219	1.62E-11	-0.003	0.020	0.896	0.012	45.362	TRUE	2.83E-11
Non-allergic asthma	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	0.022	0.019	0.248	0.040	152.875	TRUE	1.99E-33
Non-allergic asthma	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	-0.016	0.024	0.491	0.020	76.735	TRUE	9.44E-18
Non-allergic asthma	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	-0.012	0.019	0.535	0.017	63.801	TRUE	4.90E-15
Non-allergic asthma	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	-0.025	0.016	0.122	0.018	67.895	TRUE	1.65E-15
Non-allergic asthma	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	0.036	0.016	0.024	0.013	48.814	TRUE	3.01E-11
Non-allergic asthma	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	-0.003	0.018	0.871	0.016	60.284	TRUE	1.78E-14
Non-allergic asthma	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	0.021	0.016	0.172	0.076	303.809	TRUE	4.16E-64
Non-allergic asthma	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	-0.001	0.016	0.971	0.008	30.163	TRUE	5.36E-08
Non-allergic asthma	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	0.028	0.018	0.118	0.014	52.652	TRUE	2.65E-12
Non-allergic asthma	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	-0.008	0.016	0.631	0.052	204.673	TRUE	1.31E-44
Non-allergic asthma	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	-0.025	0.016	0.122	0.009	34.318	TRUE	1.94E-08
Non-allergic asthma	RPTOR	cg26714263	rs7222906	C	T	0.195	0.029	0.202	2.33E-11	0.003	0.020	0.864	0.012	44.645	TRUE	4.19E-11
Non-allergic asthma	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	0.036	0.036	0.326	0.024	90.737	TRUE	1.45E-20
Non-allergic asthma	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	-0.007	0.016	0.684	0.009	33.624	TRUE	1.22E-08
Non-allergic asthma	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	0.011	0.016	0.467	0.021	81.216	TRUE	1.11E-18
Non-allergic asthma	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	0.001	0.018	0.946	0.033	127.987	TRUE	6.69E-29
Non-allergic asthma	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	0.003	0.020	0.864	0.008	31.433	TRUE	3.10E-08
Non-allergic asthma	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	0.036	0.036	0.326	0.019	70.262	TRUE	2.99E-16
Non-allergic asthma	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	-0.092	0.091	0.312	0.009	32.160	TRUE	3.85E-08

Non-allergic asthma	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	0.148	0.091	0.103	0.012	45.188	TRUE	1.04E-10
Non-allergic asthma	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	0.035	0.031	0.266	0.017	63.367	TRUE	9.71E-15
Non-allergic asthma	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	0.042	0.041	0.304	0.018	66.359	TRUE	2.09E-15
Non-allergic asthma	RPTOR	cg27210166	rs11869826	A	G	-0.751	0.024	0.310	1.26E-218	-0.001	0.017	0.960	0.212	995.567	TRUE	2.09E-198
Non-allergic asthma	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	0.013	0.017	0.440	0.015	57.073	TRUE	1.53E-13
Non-allergic asthma	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	-0.009	0.019	0.630	0.031	116.727	TRUE	2.72E-26
Non-allergic asthma	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	0.009	0.018	0.620	0.020	76.700	TRUE	7.83E-18
Non-allergic asthma	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	-0.029	0.024	0.219	0.026	98.989	TRUE	3.60E-22
Non-allergic asthma	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	0.005	0.016	0.742	0.036	138.043	TRUE	7.42E-31
Non-allergic asthma	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	-0.006	0.018	0.730	0.010	39.221	TRUE	7.15E-10
Non-allergic asthma	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	0.006	0.021	0.764	0.015	57.639	TRUE	7.48E-14
Non-allergic asthma	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	-0.023	0.048	0.632	0.025	94.634	TRUE	1.22E-21
Non-allergic asthma	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	-0.018	0.022	0.399	0.020	76.036	TRUE	1.56E-17
Non-allergic asthma	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	-0.004	0.022	0.872	0.018	68.457	TRUE	3.16E-16
Non-allergic asthma	RPTOR	cg27210166	rs9909563	T	A	-0.194	0.027	0.269	4.61E-13	0.011	0.017	0.545	0.014	52.334	TRUE	1.35E-12
Non-allergic asthma	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	-0.002	0.029	0.956	0.010	36.418	TRUE	2.33E-09
Non-allergic asthma	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	-0.007	0.016	0.684	0.018	66.697	TRUE	9.61E-16
Non-allergic asthma	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	-0.004	0.019	0.838	0.069	273.771	TRUE	4.99E-59
Non-allergic asthma	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	0.004	0.020	0.850	0.017	63.813	TRUE	3.21E-15
Non-allergic asthma	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	-0.022	0.016	0.176	0.009	31.999	TRUE	5.27E-08
Non-allergic asthma	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	-0.001	0.016	0.971	0.018	68.371	TRUE	2.91E-16
Non-allergic asthma	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	0.029	0.016	0.073	0.016	59.177	TRUE	1.40E-13
Non-allergic asthma	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	-0.013	0.024	0.596	0.012	44.319	TRUE	6.59E-11
Non-allergic asthma	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	-0.013	0.022	0.544	0.079	316.635	TRUE	2.19E-67
Non-allergic asthma	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	0.005	0.016	0.767	0.014	50.632	TRUE	2.38E-12
Non-allergic asthma	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	0.018	0.018	0.332	0.009	32.075	TRUE	3.91E-08
Non-allergic asthma	RPTOR	cg27460531	rs4969426	A	T	0.134	0.024	0.375	1.92E-08	0.001	0.016	0.954	0.008	31.558	TRUE	2.69E-08
Non-allergic asthma	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	-0.002	0.032	0.950	0.015	56.774	TRUE	9.23E-14
Non-allergic asthma	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	-0.019	0.022	0.400	0.014	51.278	TRUE	2.78E-12
Non-allergic asthma	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	0.008	0.016	0.634	0.016	61.662	TRUE	1.22E-14
Non-allergic asthma	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	-0.092	0.091	0.312	0.009	31.868	TRUE	4.45E-08
Non-allergic asthma	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	-0.011	0.016	0.477	0.013	49.483	TRUE	5.99E-12
Non-allergic asthma	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	0.017	0.016	0.296	0.040	155.075	TRUE	5.91E-34
Non-allergic asthma	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	-0.023	0.048	0.632	0.021	80.143	TRUE	1.43E-18
Non-allergic asthma	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	-0.011	0.024	0.636	0.026	99.951	TRUE	9.16E-23
Non-allergic asthma	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	-0.020	0.021	0.330	0.023	85.585	TRUE	1.74E-19
Non-allergic asthma	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	0.031	0.040	0.434	0.031	119.900	TRUE	8.69E-27
Non-allergic asthma	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	0.005	0.018	0.799	0.176	790.633	TRUE	3.65E-160
Non-allergic asthma	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	0.006	0.016	0.723	0.019	71.795	TRUE	7.46E-17
Non-allergic asthma	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	-0.024	0.016	0.150	0.026	98.372	TRUE	6.22E-22
Non-allergic asthma	RTKN2	cg07886691	rs7088891	G	T	0.233	0.024	0.402	2.93E-22	0.033	0.016	0.046	0.025	94.097	TRUE	9.20E-21
Non-allergic asthma	RTKN2	cg09941381	rs12217669	C	T	0.496	0.024	0.402	9.13E-98	0.033	0.016	0.046	0.106	440.101	TRUE	1.29E-90

Non-allergic asthma	RTKN2	cg09941381	rs147217365	T	C	-0.230	0.042	0.082	4.73E-08	-0.026	0.034	0.438	0.008	29.807	TRUE	1.05E-07
Non-allergic asthma	RTKN2	cg09941381	rs34457392	G	A	0.316	0.039	0.094	4.88E-16	0.023	0.026	0.379	0.017	65.807	TRUE	2.36E-15
Non-allergic asthma	RTKN2	cg09941381	rs4979759	A	C	-0.193	0.027	0.270	5.84E-13	-0.017	0.016	0.293	0.014	51.870	TRUE	2.49E-12
Non-allergic asthma	RTKN2	cg09941381	rs7072782	T	C	0.251	0.037	0.109	1.31E-11	-0.004	0.025	0.876	0.012	45.775	TRUE	2.36E-11
Non-allergic asthma	RTKN2	cg09941381	rs79657262	A	C	0.372	0.050	0.058	1.79E-13	0.027	0.040	0.499	0.014	54.190	TRUE	5.75E-13
Non-allergic asthma	RTKN2	cg17057501	rs4561099	T	C	-0.156	0.024	0.399	9.57E-11	0.028	0.016	0.087	0.011	41.885	TRUE	5.54E-10
Non-allergic asthma	RTKN2	cg19640130	rs34457392	G	A	0.335	0.039	0.094	5.21E-18	0.023	0.026	0.379	0.020	74.759	TRUE	3.02E-17
Non-allergic asthma	RTKN2	cg19640130	rs6479791	T	C	0.472	0.024	0.402	1.03E-89	0.032	0.016	0.050	0.098	403.119	TRUE	2.32E-83
Non-allergic asthma	RTKN2	cg19640130	rs76561204	A	G	0.387	0.047	0.066	9.52E-17	-0.070	0.037	0.054	0.018	69.030	TRUE	1.39E-15
Non-allergic asthma	RTKN2	cg19640130	rs9415636	T	G	-0.243	0.043	0.073	1.40E-08	0.025	0.033	0.439	0.009	32.176	TRUE	3.24E-08
Non-allergic asthma	RTKN2	cg25153340	rs7075261	C	A	0.245	0.024	0.403	2.44E-24	0.032	0.016	0.051	0.027	103.573	TRUE	9.51E-23
Non-allergic asthma	SCOC	cg01300684	rs60054902	A	G	-0.332	0.044	0.078	4.78E-14	-0.037	0.032	0.255	0.015	56.787	TRUE	2.44E-13
Non-allergic asthma	SCOC	cg02182440	rs116730782	G	A	-0.391	0.063	0.035	6.73E-10	-0.023	0.034	0.490	0.010	38.078	TRUE	1.64E-09
Non-allergic asthma	SCOC	cg03033182	rs370662661	G	C	0.394	0.072	0.028	4.98E-08	0.192	0.087	0.028	0.008	29.708	TRUE	2.81E-07
Non-allergic asthma	SCOC	cg03963654	rs13102559	T	C	-0.157	0.027	0.233	9.38E-09	0.027	0.019	0.145	0.009	32.947	TRUE	3.56E-08
Non-allergic asthma	SCOC	cg03963654	rs370662661	G	C	-1.738	0.069	0.028	1.18E-139	0.192	0.087	0.028	0.146	632.542	TRUE	1.27E-127
Non-allergic asthma	SCOC	cg06775361	rs6536830	C	T	0.337	0.041	0.084	2.04E-16	0.031	0.037	0.396	0.018	67.527	TRUE	9.91E-16
Non-allergic asthma	SCOC	cg06968674	rs13102559	T	C	-0.166	0.027	0.233	9.15E-10	0.027	0.019	0.145	0.010	37.479	TRUE	3.89E-09
Non-allergic asthma	SCOC	cg06968674	rs370662661	G	C	-1.135	0.070	0.028	1.59E-58	0.192	0.087	0.028	0.066	260.008	TRUE	1.47E-54
Non-allergic asthma	SCOC	cg07444408	rs12645464	C	T	-0.247	0.039	0.108	3.42E-10	-0.016	0.023	0.489	0.011	39.397	TRUE	8.54E-10
Non-allergic asthma	SCOC	cg07444408	rs2089897	C	G	-0.299	0.028	0.242	1.67E-27	0.006	0.018	0.729	0.031	118.010	TRUE	1.22E-26
Non-allergic asthma	SCOC	cg17666096	rs3097594	A	C	0.402	0.054	0.053	1.67E-13	0.035	0.032	0.278	0.014	54.335	TRUE	7.70E-13
Non-allergic asthma	SCOC	cg17666096	rs358318	A	G	1.187	0.061	0.035	1.92E-85	0.084	0.051	0.099	0.094	383.523	TRUE	8.61E-80
Non-allergic asthma	SCOC	cg17933300	rs883945	G	A	0.441	0.041	0.083	1.28E-26	0.032	0.036	0.378	0.030	113.970	TRUE	1.72E-25
Non-allergic asthma	SCOC	cg21986225	rs11100622	T	C	0.165	0.026	0.301	1.35E-10	0.003	0.017	0.869	0.011	41.207	TRUE	2.31E-10
Non-allergic asthma	SCOC	cg21986225	rs75013136	A	T	1.185	0.060	0.035	1.08E-85	0.091	0.050	0.068	0.094	384.668	TRUE	7.60E-80
Non-allergic asthma	SCOC	cg23839709	rs67983466	C	T	-0.208	0.037	0.105	2.18E-08	0.007	0.031	0.822	0.008	31.308	TRUE	3.43E-08
Non-allergic asthma	SCOC	cg24810741	rs9884525	C	T	0.314	0.052	0.047	1.38E-09	0.102	0.044	0.019	0.010	36.684	TRUE	1.08E-08
Non-allergic asthma	SLC25A1	cg24879257	rs11089276	G	C	0.558	0.072	0.027	1.14E-14	-0.110	0.082	0.179	0.016	59.606	TRUE	7.50E-14
Non-allergic asthma	SLC39A12	cg10368935	rs10764298	G	A	-0.283	0.029	0.206	2.43E-22	-0.032	0.017	0.067	0.025	94.466	TRUE	6.41E-21
Non-allergic asthma	SLC39A12	cg10368935	rs11012800	T	C	0.254	0.046	0.073	3.07E-08	-0.018	0.029	0.530	0.008	30.647	TRUE	6.28E-08
Non-allergic asthma	SLC39A12	cg10368935	rs117217016	G	C	-0.587	0.077	0.025	2.86E-14	-0.056	0.038	0.135	0.015	57.795	TRUE	2.07E-13
Non-allergic asthma	SLC39A12	cg10368935	rs12262907	T	C	0.387	0.026	0.283	1.72E-51	-0.053	0.017	0.002	0.058	227.762	TRUE	2.57E-47
Non-allergic asthma	SLC39A12	cg10368935	rs45447194	C	G	-0.202	0.033	0.149	9.64E-10	0.019	0.021	0.358	0.010	37.377	TRUE	2.75E-09
Non-allergic asthma	SLC39A12	cg10368935	rs7074587	A	G	-0.139	0.024	0.488	4.08E-09	-0.006	0.016	0.689	0.009	34.566	TRUE	7.59E-09
Non-allergic asthma	SLC39A12	cg10368935	rs7914927	T	C	0.723	0.060	0.039	7.21E-34	-0.024	0.043	0.574	0.038	147.089	TRUE	1.33E-32
Non-allergic asthma	SLC39A12	cg15072619	rs117217016	G	C	0.542	0.077	0.025	2.15E-12	-0.056	0.038	0.135	0.013	49.319	TRUE	1.26E-11
Non-allergic asthma	SLC39A12	cg15072619	rs12360277	G	T	-0.318	0.048	0.065	4.93E-11	-0.028	0.029	0.337	0.012	43.179	TRUE	1.63E-10
Non-allergic asthma	SLC39A12	cg15072619	rs16916984	A	G	-0.730	0.059	0.040	7.94E-35	-0.024	0.044	0.574	0.039	151.469	TRUE	1.62E-33
Non-allergic asthma	SLC39A12	cg15072619	rs2437267	G	A	0.158	0.023	0.457	1.59E-11	0.034	0.016	0.031	0.012	45.399	TRUE	1.44E-10
Non-allergic asthma	SLC39A12	cg15072619	rs74548180	T	C	-0.225	0.025	0.325	3.24E-19	0.029	0.018	0.117	0.021	80.239	TRUE	4.39E-18
Non-allergic asthma	SLC39A12	cg15072619	rs80188455	A	G	0.600	0.034	0.130	8.66E-69	-0.027	0.019	0.152	0.077	307.089	TRUE	1.04E-64

Non-allergic asthma	SLC39A12	cg19856444	rs12780445	T	A	-0.300	0.028	0.217	2.87E-26	-0.043	0.019	0.022	0.029	112.372	TRUE	2.19E-24
Non-allergic asthma	SLC39A12	cg19856444	rs78120739	T	C	0.231	0.035	0.131	3.16E-11	-0.027	0.019	0.153	0.012	44.052	TRUE	1.54E-10
Non-allergic asthma	SLC39A12	cg23335976	rs12359511	T	C	0.325	0.026	0.282	9.60E-37	-0.052	0.017	0.002	0.042	160.240	TRUE	1.05E-33
Non-allergic asthma	SLC39A12	cg23335976	rs7096615	C	T	0.283	0.052	0.050	5.00E-08	0.007	0.041	0.872	0.008	29.702	TRUE	7.36E-08
Non-allergic asthma	SLC39A12	cg26550234	rs12262907	T	C	-0.209	0.026	0.283	6.16E-16	-0.053	0.017	0.002	0.017	65.350	TRUE	2.55E-14
Non-allergic asthma	SMCR8	cg19346202	rs141443388	G	A	-0.419	0.070	0.024	1.64E-09	0.047	0.047	0.317	0.010	36.340	TRUE	4.87E-09
Non-allergic asthma	SMCR8	cg19346202	rs4924845	G	A	-0.335	0.025	0.319	3.23E-42	0.045	0.017	0.006	0.048	185.286	TRUE	4.97E-39
Non-allergic asthma	SMCR8	cg19346202	rs56806702	T	G	0.178	0.032	0.168	1.98E-08	-0.026	0.020	0.195	0.008	31.495	TRUE	6.50E-08
Non-allergic asthma	SNCA	cg01035160	rs6812192	A	G	-0.147	0.023	0.495	2.10E-10	-0.039	0.016	0.013	0.011	40.349	TRUE	2.09E-09
Non-allergic asthma	SNCA	cg01966878	rs10516864	G	A	-0.277	0.024	0.444	1.60E-31	0.011	0.016	0.467	0.036	136.361	TRUE	2.92E-30
Non-allergic asthma	SNCA	cg01966878	rs13125108	G	T	-0.194	0.023	0.478	8.83E-17	-0.012	0.016	0.456	0.018	69.178	TRUE	4.00E-16
Non-allergic asthma	SNCA	cg01966878	rs142993106	A	G	0.757	0.098	0.012	1.28E-14	0.035	0.040	0.386	0.016	59.384	TRUE	5.36E-14
Non-allergic asthma	SNCA	cg01966878	rs149899944	T	G	0.595	0.068	0.031	1.83E-18	-0.109	0.034	0.002	0.020	76.825	TRUE	1.18E-16
Non-allergic asthma	SNCA	cg01966878	rs17016330	T	C	0.607	0.070	0.029	7.30E-18	-0.015	0.077	0.849	0.020	74.095	TRUE	2.04E-17
Non-allergic asthma	SNCA	cg01966878	rs17795442	C	T	0.457	0.067	0.028	9.50E-12	0.002	0.034	0.942	0.012	46.405	TRUE	1.61E-11
Non-allergic asthma	SNCA	cg01966878	rs1837890	A	C	0.513	0.026	0.256	1.23E-88	0.006	0.018	0.726	0.097	398.182	TRUE	4.96E-84
Non-allergic asthma	SNCA	cg01966878	rs1841625	G	A	-0.242	0.024	0.433	2.47E-24	0.021	0.016	0.191	0.027	103.551	TRUE	4.42E-23
Non-allergic asthma	SNCA	cg01966878	rs34305125	A	G	0.712	0.080	0.025	3.59E-19	0.119	0.070	0.092	0.021	80.039	TRUE	5.47E-18
Non-allergic asthma	SNCA	cg01966878	rs3756059	G	A	0.797	0.020	0.484	<1E-200	-0.032	0.016	0.041	0.295	1547.224	TRUE	2.19E-291
Non-allergic asthma	SNCA	cg01966878	rs3775465	C	A	-0.409	0.046	0.077	2.75E-19	-0.017	0.034	0.625	0.021	80.565	TRUE	1.18E-18
Non-allergic asthma	SNCA	cg01966878	rs62306279	C	T	-0.326	0.054	0.050	1.05E-09	0.100	0.037	0.007	0.010	37.209	TRUE	1.07E-08
Non-allergic asthma	SNCA	cg01966878	rs62312689	A	G	-0.288	0.045	0.072	1.91E-10	-0.034	0.033	0.307	0.011	40.530	TRUE	6.29E-10
Non-allergic asthma	SNCA	cg01966878	rs6532182	T	A	-0.192	0.033	0.140	8.69E-09	0.024	0.021	0.262	0.009	33.097	TRUE	2.62E-08
Non-allergic asthma	SNCA	cg01966878	rs72881699	G	A	0.269	0.038	0.108	1.18E-12	0.025	0.024	0.298	0.013	50.495	TRUE	4.84E-12
Non-allergic asthma	SNCA	cg02192967	rs6532198	C	T	-0.179	0.023	0.480	9.69E-15	-0.038	0.016	0.017	0.016	59.925	TRUE	1.68E-13
Non-allergic asthma	SNCA	cg06632027	rs11728457	G	A	0.167	0.028	0.250	1.48E-09	0.016	0.017	0.361	0.010	36.544	TRUE	4.13E-09
Non-allergic asthma	SNCA	cg06632027	rs1372520	T	C	0.629	0.028	0.209	4.24E-113	-0.028	0.020	0.160	0.121	510.531	TRUE	4.63E-105
Non-allergic asthma	SNCA	cg06632027	rs142993106	A	G	0.548	0.098	0.012	2.52E-08	0.035	0.040	0.386	0.008	31.031	TRUE	6.10E-08
Non-allergic asthma	SNCA	cg06632027	rs17016330	T	C	0.557	0.071	0.029	2.75E-15	-0.015	0.077	0.849	0.017	62.406	TRUE	6.43E-15
Non-allergic asthma	SNCA	cg06632027	rs17810668	G	A	-0.418	0.066	0.066	2.73E-10	0.003	0.040	0.947	0.011	39.836	TRUE	4.24E-10
Non-allergic asthma	SNCA	cg06632027	rs189994040	T	A	0.586	0.107	0.012	4.67E-08	0.079	0.065	0.226	0.008	29.833	TRUE	1.39E-07
Non-allergic asthma	SNCA	cg06632027	rs356194	A	G	-0.446	0.025	0.293	6.59E-70	-0.013	0.018	0.470	0.078	312.220	TRUE	2.18E-66
Non-allergic asthma	SNCA	cg06632027	rs71609574	A	G	0.671	0.084	0.021	1.26E-15	0.099	0.075	0.188	0.017	63.934	TRUE	8.96E-15
Non-allergic asthma	SNCA	cg08767460	rs10516863	T	C	-0.219	0.032	0.166	5.74E-12	0.011	0.017	0.535	0.013	47.391	TRUE	1.56E-11
Non-allergic asthma	SNCA	cg08767460	rs111450301	T	G	0.689	0.068	0.028	2.21E-24	0.090	0.083	0.279	0.027	103.768	TRUE	3.03E-23
Non-allergic asthma	SNCA	cg08767460	rs13125108	G	T	-0.203	0.023	0.478	2.71E-18	-0.012	0.016	0.456	0.020	76.050	TRUE	1.40E-17
Non-allergic asthma	SNCA	cg08767460	rs143823825	A	G	0.594	0.095	0.014	3.70E-10	-0.034	0.039	0.386	0.010	39.246	TRUE	1.05E-09
Non-allergic asthma	SNCA	cg08767460	rs17174961	A	G	0.196	0.025	0.347	2.78E-15	0.018	0.018	0.337	0.017	62.381	TRUE	1.36E-14
Non-allergic asthma	SNCA	cg08767460	rs2120374	A	G	0.373	0.024	0.393	5.45E-56	-0.020	0.017	0.231	0.063	248.387	TRUE	5.11E-53
Non-allergic asthma	SNCA	cg08767460	rs2583990	A	G	-0.368	0.028	0.221	7.64E-40	-0.031	0.020	0.122	0.045	174.421	TRUE	1.28E-37
Non-allergic asthma	SNCA	cg08767460	rs3055038	C	T	0.798	0.088	0.020	8.21E-20	0.089	0.069	0.197	0.022	82.955	TRUE	8.79E-19
Non-allergic asthma	SNCA	cg08767460	rs35175911	C	T	0.169	0.030	0.186	1.91E-08	0.009	0.018	0.608	0.008	31.570	TRUE	3.67E-08

Non-allergic asthma	SNCA	cg08767460	rs356199	G	A	1.040	0.019	0.291	<1E-200	-0.013	0.018	0.464	0.440	2902.091	TRUE	<1E-200
Non-allergic asthma	SNCA	cg08767460	rs3775434	G	A	-0.339	0.036	0.125	3.18E-21	0.023	0.022	0.293	0.024	89.378	TRUE	3.03E-20
Non-allergic asthma	SNCA	cg08767460	rs4694012	A	G	-0.191	0.029	0.200	6.22E-11	-0.016	0.020	0.434	0.011	42.727	TRUE	1.77E-10
Non-allergic asthma	SNCA	cg08767460	rs56068881	T	C	0.852	0.119	0.011	6.59E-13	-0.011	0.039	0.784	0.014	51.635	TRUE	1.42E-12
Non-allergic asthma	SNCA	cg08767460	rs62306323	T	C	-0.386	0.050	0.109	1.07E-14	-0.025	0.025	0.316	0.016	59.722	TRUE	5.17E-14
Non-allergic asthma	SNCA	cg08767460	rs6840386	T	C	-0.425	0.071	0.026	2.32E-09	0.008	0.044	0.864	0.010	35.662	TRUE	3.71E-09
Non-allergic asthma	SNCA	cg08767460	rs72659431	A	G	0.880	0.069	0.033	8.37E-37	-0.072	0.033	0.032	0.042	160.512	TRUE	2.31E-34
Non-allergic asthma	SNCA	cg08767460	rs72659464	G	T	0.759	0.082	0.040	2.87E-20	0.030	0.043	0.489	0.022	85.030	TRUE	1.67E-19
Non-allergic asthma	SNCA	cg08767460	rs74360999	C	A	-0.211	0.025	0.328	1.28E-17	0.010	0.017	0.548	0.019	72.986	TRUE	5.37E-17
Non-allergic asthma	SNCA	cg08767460	rs75878722	G	A	-0.256	0.045	0.075	1.64E-08	0.006	0.041	0.890	0.009	31.867	TRUE	2.43E-08
Non-allergic asthma	SNCA	cg08767460	rs76735357	A	G	-0.322	0.052	0.113	5.03E-10	0.044	0.022	0.048	0.010	38.644	TRUE	3.24E-09
Non-allergic asthma	SNCA	cg08767460	rs78387881	A	G	0.487	0.083	0.022	3.94E-09	0.055	0.086	0.523	0.009	34.634	TRUE	8.70E-09
Non-allergic asthma	SNCA	cg08767460	rs79517939	A	G	0.713	0.063	0.083	4.31E-30	0.004	0.048	0.938	0.034	129.828	TRUE	2.78E-29
Non-allergic asthma	SNCA	cg11512365	rs6841352	T	G	0.133	0.023	0.461	1.11E-08	0.020	0.016	0.214	0.009	32.623	TRUE	3.60E-08
Non-allergic asthma	SNCA	cg11661187	rs2737026	A	G	-0.215	0.028	0.226	5.25E-15	-0.031	0.020	0.123	0.016	61.131	TRUE	4.30E-14
Non-allergic asthma	SNCA	cg14346243	rs1372519	A	G	0.707	0.028	0.209	1.60E-144	-0.028	0.020	0.161	0.150	654.912	TRUE	6.56E-133
Non-allergic asthma	SNCA	cg14346243	rs149899944	T	G	0.431	0.068	0.031	2.36E-10	-0.109	0.034	0.002	0.011	40.121	TRUE	3.84E-09
Non-allergic asthma	SNCA	cg14346243	rs17016330	T	C	0.540	0.070	0.029	1.72E-14	-0.015	0.077	0.849	0.016	58.803	TRUE	3.81E-14
Non-allergic asthma	SNCA	cg14346243	rs2119787	G	A	-0.261	0.024	0.397	4.60E-28	0.016	0.016	0.303	0.032	120.565	TRUE	8.72E-27
Non-allergic asthma	SNCA	cg14346243	rs34266626	C	G	0.200	0.024	0.385	9.18E-17	-0.009	0.017	0.593	0.018	69.100	TRUE	3.36E-16
Non-allergic asthma	SNCA	cg14346243	rs34305125	A	G	0.687	0.079	0.025	5.62E-18	0.119	0.070	0.092	0.020	74.609	TRUE	7.44E-17
Non-allergic asthma	SNCA	cg14346243	rs58105555	G	A	-0.142	0.025	0.305	2.17E-08	0.018	0.017	0.301	0.008	31.320	TRUE	5.93E-08
Non-allergic asthma	SNCA	cg15133208	rs10018362	C	T	-0.224	0.037	0.114	2.08E-09	0.055	0.026	0.034	0.010	35.874	TRUE	1.36E-08
Non-allergic asthma	SNCA	cg15133208	rs11097238	T	C	-0.403	0.024	0.393	8.66E-66	0.017	0.016	0.296	0.073	293.324	TRUE	2.83E-62
Non-allergic asthma	SNCA	cg15133208	rs1372519	A	G	0.941	0.025	0.209	<1E-200	-0.028	0.020	0.161	0.278	1426.103	TRUE	4.44E-272
Non-allergic asthma	SNCA	cg15133208	rs1381352	T	G	-0.185	0.024	0.432	8.69E-15	0.021	0.016	0.185	0.016	60.139	TRUE	5.69E-14
Non-allergic asthma	SNCA	cg15133208	rs142993106	A	G	0.741	0.098	0.012	4.46E-14	0.035	0.040	0.386	0.015	56.922	TRUE	1.79E-13
Non-allergic asthma	SNCA	cg15133208	rs147876949	C	T	0.722	0.106	0.012	1.00E-11	0.077	0.065	0.236	0.012	46.304	TRUE	4.23E-11
Non-allergic asthma	SNCA	cg15133208	rs149899944	T	G	0.664	0.068	0.031	1.07E-22	-0.109	0.034	0.002	0.025	96.097	TRUE	1.36E-20
Non-allergic asthma	SNCA	cg15133208	rs17016330	T	C	0.676	0.070	0.029	7.24E-22	-0.015	0.077	0.849	0.024	92.306	TRUE	2.72E-21
Non-allergic asthma	SNCA	cg15133208	rs28870145	G	A	0.352	0.058	0.041	1.19E-09	0.084	0.040	0.038	0.010	36.971	TRUE	7.79E-09
Non-allergic asthma	SNCA	cg15133208	rs34305125	A	G	0.790	0.079	0.025	2.65E-23	0.119	0.070	0.092	0.026	98.849	TRUE	6.60E-22
Non-allergic asthma	SNCA	cg15133208	rs62312689	A	G	-0.250	0.045	0.072	3.40E-08	-0.034	0.033	0.307	0.008	30.451	TRUE	9.03E-08
Non-allergic asthma	SNCA	cg15133208	rs6856813	C	T	0.305	0.024	0.363	1.07E-36	-0.011	0.017	0.505	0.041	160.034	TRUE	3.13E-35
Non-allergic asthma	SNCA	cg15133208	rs74786971	C	G	-0.295	0.046	0.077	1.45E-10	-0.018	0.031	0.549	0.011	41.072	TRUE	3.47E-10
Non-allergic asthma	SNCA	cg15133208	rs7688033	T	G	0.219	0.038	0.108	6.95E-09	0.024	0.024	0.325	0.009	33.532	TRUE	1.92E-08
Non-allergic asthma	SNCA	cg18258770	rs2619371	G	A	0.141	0.026	0.282	4.41E-08	-0.016	0.018	0.370	0.008	29.942	TRUE	1.07E-07
Non-allergic asthma	SNCA	cg20003494	rs11097238	T	C	-0.362	0.024	0.393	3.88E-53	0.017	0.016	0.296	0.060	235.313	TRUE	1.79E-50
Non-allergic asthma	SNCA	cg20003494	rs17016330	T	C	0.563	0.070	0.029	1.31E-15	-0.015	0.077	0.849	0.017	63.869	TRUE	3.12E-15
Non-allergic asthma	SNCA	cg20003494	rs1841625	G	A	-0.173	0.024	0.433	3.46E-13	0.021	0.016	0.191	0.014	52.900	TRUE	1.89E-12
Non-allergic asthma	SNCA	cg20003494	rs34027685	G	A	0.237	0.038	0.108	3.43E-10	0.024	0.024	0.323	0.011	39.389	TRUE	1.07E-09
Non-allergic asthma	SNCA	cg20003494	rs34305125	A	G	0.677	0.079	0.025	1.64E-17	0.119	0.070	0.092	0.019	72.496	TRUE	2.06E-16

Non-allergic asthma	SNCA	cg20003494	rs3775434	G	A	-0.307	0.036	0.125	1.11E-17	0.023	0.022	0.293	0.019	73.274	TRUE	7.41E-17
Non-allergic asthma	SNCA	cg20003494	rs6856813	C	T	0.311	0.024	0.363	3.93E-38	-0.011	0.017	0.505	0.043	166.590	TRUE	1.36E-36
Non-allergic asthma	SNCA	cg20003494	rs74786971	C	G	-0.270	0.046	0.077	4.07E-09	-0.018	0.031	0.549	0.009	34.571	TRUE	8.73E-09
Non-allergic asthma	SNCA	cg20003494	rs983361	T	G	0.628	0.028	0.212	1.68E-113	-0.028	0.020	0.165	0.122	512.379	TRUE	1.94E-105
Non-allergic asthma	SNCA	cg26578617	rs1372520	T	C	0.528	0.028	0.209	1.19E-77	-0.028	0.020	0.160	0.086	347.761	TRUE	6.66E-73
Non-allergic asthma	SNCA	cg26578617	rs139301125	T	C	0.448	0.074	0.026	1.38E-09	-0.014	0.078	0.857	0.010	36.680	TRUE	2.24E-09
Non-allergic asthma	SNCA	cg26578617	rs2119787	G	A	-0.234	0.024	0.397	8.92E-23	0.016	0.016	0.303	0.025	96.449	TRUE	9.69E-22
Non-allergic asthma	SNCA	cg26578617	rs59345481	G	T	-0.291	0.042	0.095	5.04E-12	-0.010	0.028	0.718	0.013	47.647	TRUE	1.10E-11
Non-allergic asthma	SNCA	cg26578617	rs6856813	C	T	0.196	0.024	0.363	6.69E-16	-0.011	0.017	0.505	0.017	65.186	TRUE	2.60E-15
Non-allergic asthma	SNCA	cg26578617	rs71609574	A	G	0.543	0.084	0.021	1.00E-10	0.099	0.075	0.188	0.011	41.793	TRUE	4.26E-10
Non-allergic asthma	SNORD71	cg03540912	rs11646719	C	G	0.206	0.025	0.338	2.01E-16	0.004	0.018	0.815	0.018	67.552	TRUE	5.31E-16
Non-allergic asthma	SNORD71	cg03540912	rs12930674	T	C	-0.139	0.025	0.305	4.43E-08	-0.002	0.016	0.881	0.008	29.937	TRUE	6.49E-08
Non-allergic asthma	SNORD71	cg03540912	rs1559418	C	T	-0.368	0.061	0.038	1.24E-09	-0.017	0.045	0.709	0.010	36.881	TRUE	2.34E-09
Non-allergic asthma	SNORD71	cg03540912	rs217180	T	C	0.243	0.039	0.096	7.34E-10	-0.017	0.023	0.457	0.010	37.906	TRUE	1.86E-09
Non-allergic asthma	SNORD71	cg03540912	rs56387295	A	C	-0.275	0.033	0.150	1.79E-16	0.035	0.025	0.158	0.018	67.786	TRUE	1.52E-15
Non-allergic asthma	SNORD71	cg03540912	rs77529319	T	C	-0.206	0.029	0.209	8.03E-13	0.022	0.018	0.215	0.014	51.248	TRUE	3.97E-12
Non-allergic asthma	SNORD71	cg03540912	rs77823468	T	C	-0.560	0.025	0.299	8.04E-114	0.022	0.018	0.224	0.122	513.843	TRUE	6.35E-106
Non-allergic asthma	SNORD71	cg05708656	rs8052489	T	C	-0.141	0.024	0.358	4.45E-09	-0.035	0.016	0.029	0.009	34.397	TRUE	2.91E-08
Non-allergic asthma	SNX16	cg02079420	rs10113055	C	T	-0.310	0.052	0.059	2.27E-09	-0.019	0.036	0.594	0.010	35.705	TRUE	4.73E-09
Non-allergic asthma	SNX16	cg02079420	rs10113213	T	C	0.182	0.026	0.450	1.22E-12	-0.001	0.016	0.973	0.013	50.434	TRUE	2.09E-12
Non-allergic asthma	SNX16	cg02079420	rs11782652	G	A	-0.386	0.047	0.072	3.80E-16	0.033	0.036	0.367	0.018	66.302	TRUE	1.90E-15
Non-allergic asthma	SNX16	cg02079420	rs12676336	T	C	-0.602	0.026	0.320	4.81E-119	0.034	0.017	0.042	0.127	537.843	TRUE	1.23E-109
Non-allergic asthma	SNX16	cg02079420	rs17783207	G	A	0.523	0.041	0.108	1.44E-37	-0.004	0.021	0.851	0.042	164.013	TRUE	2.24E-36
Non-allergic asthma	SNX16	cg02079420	rs2268431	T	C	0.270	0.037	0.140	5.36E-13	-0.029	0.019	0.128	0.014	52.040	TRUE	3.45E-12
Non-allergic asthma	SNX16	cg02079420	rs5028968	C	T	-0.298	0.045	0.084	3.63E-11	-0.006	0.033	0.857	0.012	43.778	TRUE	6.49E-11
Non-allergic asthma	SNX16	cg02079420	rs73695484	G	T	0.423	0.035	0.159	1.27E-33	-0.009	0.020	0.635	0.038	145.960	TRUE	2.02E-32
Non-allergic asthma	SNX16	cg02079420	rs74612468	A	T	-0.379	0.060	0.042	2.67E-10	0.008	0.029	0.792	0.011	39.882	TRUE	4.83E-10
Non-allergic asthma	SNX16	cg05012709	rs2029416	G	A	-0.360	0.032	0.195	1.42E-29	-0.012	0.017	0.494	0.033	127.465	TRUE	1.99E-28
Non-allergic asthma	SNX16	cg05012709	rs34440254	G	C	0.178	0.031	0.219	7.38E-09	-0.023	0.023	0.320	0.009	33.414	TRUE	2.05E-08
Non-allergic asthma	SNX16	cg06027949	rs10103624	A	C	0.470	0.035	0.145	3.53E-41	0.029	0.020	0.146	0.047	180.534	TRUE	6.13E-39
Non-allergic asthma	SNX16	cg06027949	rs10113055	C	T	0.359	0.052	0.059	4.17E-12	-0.019	0.036	0.594	0.013	48.015	TRUE	1.06E-11
Non-allergic asthma	SNX16	cg06027949	rs10113431	G	A	0.173	0.030	0.224	6.93E-09	-0.002	0.019	0.922	0.009	33.535	TRUE	1.02E-08
Non-allergic asthma	SNX16	cg06027949	rs10504743	A	G	0.476	0.049	0.067	3.13E-22	0.023	0.029	0.438	0.025	93.966	TRUE	2.40E-21
Non-allergic asthma	SNX16	cg06027949	rs10958050	G	A	-0.383	0.054	0.065	8.45E-13	-0.026	0.037	0.480	0.014	51.148	TRUE	2.64E-12
Non-allergic asthma	SNX16	cg06027949	rs114323125	C	T	-0.478	0.051	0.061	1.41E-20	-0.051	0.034	0.133	0.023	86.429	TRUE	2.08E-19
Non-allergic asthma	SNX16	cg06027949	rs13254930	A	T	-0.519	0.079	0.024	5.20E-11	0.048	0.080	0.545	0.012	43.076	TRUE	1.29E-10
Non-allergic asthma	SNX16	cg06027949	rs16909559	G	T	0.341	0.040	0.110	1.37E-17	-0.041	0.022	0.062	0.019	72.856	TRUE	2.08E-16
Non-allergic asthma	SNX16	cg06027949	rs3889832	G	A	0.279	0.025	0.458	1.24E-28	0.005	0.016	0.769	0.032	123.174	TRUE	9.36E-28
Non-allergic asthma	SNX16	cg06027949	rs60920484	T	A	0.351	0.041	0.107	8.20E-18	0.002	0.020	0.902	0.020	73.865	TRUE	2.13E-17
Non-allergic asthma	SNX16	cg06027949	rs7824502	G	A	0.160	0.028	0.297	6.40E-09	0.033	0.019	0.076	0.009	33.691	TRUE	3.08E-08
Non-allergic asthma	SNX16	cg06027949	rs902110	G	A	-0.811	0.021	0.414	<1E-200	-0.031	0.017	0.073	0.294	1537.672	TRUE	2.87E-290
Non-allergic asthma	SNX16	cg07697082	rs10958045	T	C	-0.488	0.026	0.320	1.45E-76	0.035	0.017	0.039	0.085	342.768	TRUE	2.83E-71

Non-allergic asthma	SNX16	cg07697082	rs11782652	G	A	-0.332	0.047	0.072	2.66E-12	0.033	0.036	0.367	0.013	48.900	TRUE	9.38E-12
Non-allergic asthma	SNX16	cg07697082	rs4255093	A	C	0.236	0.035	0.162	9.74E-12	-0.009	0.020	0.665	0.012	46.356	TRUE	2.22E-11
Non-allergic asthma	SNX16	cg07697082	rs62514325	T	C	0.342	0.041	0.108	7.43E-17	0.001	0.020	0.980	0.018	69.517	TRUE	1.64E-16
Non-allergic asthma	SNX16	cg07697082	rs74612468	A	T	-0.337	0.060	0.042	1.95E-08	0.008	0.029	0.792	0.008	31.526	TRUE	3.15E-08
Non-allergic asthma	SNX16	cg08098923	rs62512879	A	G	0.157	0.026	0.412	1.23E-09	-0.032	0.017	0.061	0.010	36.896	TRUE	6.99E-09
Non-allergic asthma	SNX16	cg13731609	rs9693128	A	G	-0.239	0.026	0.391	1.96E-20	0.040	0.016	0.012	0.023	85.782	TRUE	8.70E-19
Non-allergic asthma	SNX16	cg17211192	rs10113055	C	T	0.563	0.051	0.059	7.98E-28	-0.019	0.036	0.594	0.031	119.475	TRUE	7.68E-27
Non-allergic asthma	SNX16	cg17211192	rs10958046	A	G	0.843	0.027	0.247	1.48E-221	0.029	0.018	0.098	0.214	1009.045	TRUE	2.59E-198
Non-allergic asthma	SNX16	cg17211192	rs114323125	C	T	-0.458	0.051	0.061	4.95E-19	-0.051	0.034	0.133	0.021	79.407	TRUE	6.13E-18
Non-allergic asthma	SNX16	cg17211192	rs118057578	T	C	0.399	0.070	0.030	1.00E-08	0.121	0.040	0.003	0.009	32.816	TRUE	1.08E-07
Non-allergic asthma	SNX16	cg17211192	rs13254930	A	T	-0.466	0.079	0.024	3.83E-09	0.048	0.080	0.545	0.009	34.688	TRUE	8.27E-09
Non-allergic asthma	SNX16	cg17211192	rs139146811	A	C	0.578	0.093	0.014	5.85E-10	-0.122	0.117	0.298	0.010	38.352	TRUE	1.86E-09
Non-allergic asthma	SNX16	cg17211192	rs2044937	A	T	0.377	0.026	0.341	1.32E-46	0.013	0.016	0.416	0.053	205.385	TRUE	1.64E-44
Non-allergic asthma	SNX16	cg17211192	rs204782	T	C	0.962	0.095	0.015	6.49E-24	-0.069	0.083	0.409	0.027	101.635	TRUE	6.20E-23
Non-allergic asthma	SNX16	cg17211192	rs28431875	A	G	0.688	0.063	0.036	9.75E-28	0.008	0.033	0.812	0.031	119.077	TRUE	6.32E-27
Non-allergic asthma	SNX16	cg17211192	rs3202419	T	C	0.237	0.027	0.314	6.95E-18	0.005	0.016	0.779	0.020	74.190	TRUE	2.13E-17
Non-allergic asthma	SNX16	cg17211192	rs34440254	G	C	-0.496	0.030	0.219	4.05E-61	-0.023	0.023	0.320	0.068	271.906	TRUE	5.66E-58
Non-allergic asthma	SNX16	cg17211192	rs5028968	C	T	0.438	0.045	0.084	1.38E-22	-0.006	0.033	0.857	0.025	95.592	TRUE	5.39E-22
Non-allergic asthma	SNX16	cg17211192	rs59872751	A	C	-0.321	0.030	0.222	9.45E-27	0.021	0.020	0.286	0.030	114.575	TRUE	1.63E-25
Non-allergic asthma	SNX16	cg17211192	rs62514262	A	G	-0.538	0.083	0.046	9.77E-11	-0.035	0.038	0.361	0.011	41.844	TRUE	3.03E-10
Non-allergic asthma	SNX16	cg17211192	rs7004393	T	G	0.338	0.026	0.340	1.95E-37	-0.007	0.017	0.675	0.042	163.411	TRUE	4.26E-36
Non-allergic asthma	SNX16	cg17211192	rs77290168	G	A	0.638	0.069	0.035	2.00E-20	0.019	0.044	0.660	0.023	85.746	TRUE	8.90E-20
Non-allergic asthma	SNX16	cg17211192	rs7828550	C	T	0.229	0.025	0.457	1.39E-20	0.004	0.016	0.808	0.023	86.461	TRUE	5.03E-20
Non-allergic asthma	SNX16	cg17211192	rs78399365	A	C	0.757	0.096	0.015	2.64E-15	0.170	0.064	0.008	0.017	62.486	TRUE	6.28E-14
Non-allergic asthma	SNX16	cg23324259	rs2044937	A	T	0.179	0.027	0.341	2.09E-11	0.013	0.016	0.416	0.012	44.860	TRUE	6.35E-11
Non-allergic asthma	SNX16	cg23324259	rs28431875	A	G	0.387	0.063	0.036	1.10E-09	0.008	0.033	0.812	0.010	37.116	TRUE	1.88E-09
Non-allergic asthma	SNX16	cg23324259	rs34440254	G	C	-0.218	0.031	0.219	1.08E-12	-0.023	0.023	0.320	0.014	50.665	TRUE	4.28E-12
Non-allergic asthma	SNX16	cg23324259	rs72686466	T	G	0.410	0.028	0.248	5.83E-48	0.029	0.018	0.094	0.054	211.593	TRUE	3.83E-45
Non-allergic asthma	SNX16	cg23324259	rs7833933	T	C	0.247	0.038	0.123	1.28E-10	-0.018	0.027	0.514	0.011	41.323	TRUE	3.20E-10
Non-allergic asthma	SNX16	cg27398817	rs10113431	G	A	0.174	0.030	0.224	5.51E-09	-0.002	0.019	0.922	0.009	33.982	TRUE	8.17E-09
Non-allergic asthma	SNX16	cg27398817	rs10504743	A	G	0.633	0.049	0.067	1.99E-38	0.023	0.029	0.438	0.043	167.941	TRUE	8.44E-37
Non-allergic asthma	SNX16	cg27398817	rs10958034	C	T	0.764	0.115	0.026	3.15E-11	-0.013	0.040	0.756	0.012	44.057	TRUE	6.28E-11
Non-allergic asthma	SNX16	cg27398817	rs10958050	G	A	-0.398	0.054	0.065	1.18E-13	-0.026	0.037	0.480	0.015	55.006	TRUE	3.96E-13
Non-allergic asthma	SNX16	cg27398817	rs111427969	C	T	0.700	0.033	0.155	7.58E-102	0.020	0.019	0.296	0.110	458.843	TRUE	2.49E-95
Non-allergic asthma	SNX16	cg27398817	rs12547759	A	G	0.392	0.042	0.100	1.16E-20	-0.015	0.031	0.628	0.023	86.823	TRUE	5.53E-20
Non-allergic asthma	SNX16	cg27398817	rs13254930	A	T	-0.657	0.079	0.024	8.95E-17	0.048	0.080	0.545	0.018	69.152	TRUE	3.51E-16
Non-allergic asthma	SNX16	cg27398817	rs138774421	A	G	-0.369	0.058	0.050	1.49E-10	-0.049	0.035	0.157	0.011	41.015	TRUE	6.72E-10
Non-allergic asthma	SNX16	cg27398817	rs16909559	G	T	0.467	0.040	0.110	1.06E-31	-0.041	0.022	0.062	0.036	137.186	TRUE	9.63E-30
Non-allergic asthma	SNX16	cg27398817	rs3889832	G	A	0.348	0.025	0.458	3.68E-44	0.005	0.016	0.769	0.050	194.188	TRUE	1.41E-42
Non-allergic asthma	SNX16	cg27398817	rs4292642	C	A	0.281	0.035	0.169	4.50E-16	-0.007	0.020	0.708	0.018	65.968	TRUE	1.33E-15
Non-allergic asthma	SNX16	cg27398817	rs4610705	A	C	0.384	0.040	0.114	2.85E-22	0.005	0.020	0.811	0.025	94.152	TRUE	1.17E-21
Non-allergic asthma	SNX16	cg27398817	rs5014113	G	A	-0.836	0.021	0.395	<1E-200	-0.035	0.017	0.045	0.290	1512.619	TRUE	1.23E-285

Non-allergic asthma	SNX16	cg27398817	rs74737517	G	C	-0.423	0.036	0.135	4.51E-32	-0.011	0.026	0.667	0.036	138.877	TRUE	5.73E-31
Non-allergic asthma	SNX16	cg27398817	rs75843534	C	T	-0.454	0.049	0.071	9.27E-21	-0.067	0.034	0.046	0.023	87.265	TRUE	2.40E-19
Non-allergic asthma	SNX16	cg27398817	rs76638496	A	G	0.624	0.087	0.018	5.83E-13	0.041	0.064	0.525	0.014	51.874	TRUE	1.73E-12
Non-allergic asthma	SNX16	cg27398817	rs7824502	G	A	0.182	0.028	0.297	4.20E-11	0.033	0.019	0.076	0.012	43.495	TRUE	2.66E-10
Non-allergic asthma	SNX16	cg27398817	rs78399365	A	C	0.616	0.096	0.015	1.29E-10	0.170	0.064	0.008	0.011	41.304	TRUE	1.49E-09
Non-allergic asthma	SPATA2	cg01688202	rs137867080	G	A	-0.887	0.096	0.013	2.49E-20	-0.031	0.071	0.663	0.023	85.309	TRUE	1.09E-19
Non-allergic asthma	SPATA2	cg01688202	rs2769979	C	T	0.498	0.023	0.481	3.86E-105	0.000	0.016	0.986	0.114	473.965	TRUE	1.88E-99
Non-allergic asthma	SPATA2	cg01688202	rs601849	T	C	0.299	0.031	0.186	4.25E-22	0.010	0.027	0.696	0.025	93.359	TRUE	2.05E-21
Non-allergic asthma	SPATA2	cg01688202	rs6095748	T	C	0.193	0.024	0.481	4.88E-16	-0.011	0.016	0.486	0.017	65.808	TRUE	1.98E-15
Non-allergic asthma	SPATA2	cg01688202	rs73910338	C	T	-1.474	0.041	0.083	7.74E-280	0.023	0.028	0.410	0.257	1277.059	TRUE	2.31E-247
Non-allergic asthma	SPATA2	cg09647671	rs35099199	C	G	-0.131	0.024	0.395	3.86E-08	0.026	0.016	0.112	0.008	30.200	TRUE	1.49E-07
Non-allergic asthma	SPATA2	cg09647671	rs601849	T	C	-0.182	0.031	0.186	2.76E-09	0.010	0.027	0.696	0.009	35.327	TRUE	5.15E-09
Non-allergic asthma	SPATA2	cg09647671	rs6067269	A	C	-0.340	0.023	0.442	2.32E-48	0.001	0.017	0.932	0.055	213.423	TRUE	1.02E-46
Non-allergic asthma	SPATA2	cg16632346	rs112590664	T	C	0.230	0.025	0.296	7.98E-20	0.002	0.019	0.903	0.022	83.010	TRUE	2.38E-19
Non-allergic asthma	SPATA2	cg16632346	rs6020156	G	C	-0.362	0.036	0.121	2.56E-23	-0.031	0.027	0.239	0.026	98.919	TRUE	3.50E-22
Non-allergic asthma	SPATA2	cg17835207	rs117142370	C	G	-0.814	0.108	0.029	4.46E-14	-0.098	0.107	0.358	0.015	56.924	TRUE	1.88E-13
Non-allergic asthma	SPATA2	cg17835207	rs117184875	C	A	-0.857	0.077	0.024	4.19E-29	0.095	0.101	0.348	0.033	125.320	TRUE	7.87E-28
Non-allergic asthma	SPATA2	cg17835207	rs8125607	A	G	-0.240	0.025	0.297	3.46E-21	0.002	0.019	0.919	0.024	89.213	TRUE	1.11E-20
Non-allergic asthma	SPATA2	cg17835207	rs937408	G	A	-0.246	0.035	0.127	2.18E-12	0.010	0.020	0.632	0.013	49.292	TRUE	5.40E-12
Non-allergic asthma	SPATA2	cg17849948	rs2235621	A	G	0.683	0.056	0.048	5.38E-34	0.073	0.053	0.171	0.038	147.671	TRUE	3.25E-32
Non-allergic asthma	SPATA2	cg19221489	rs12329463	A	G	0.356	0.036	0.127	9.99E-23	-0.019	0.031	0.545	0.025	96.225	TRUE	6.56E-22
Non-allergic asthma	SPATA2	cg19221489	rs615868	T	C	-0.195	0.023	0.465	7.73E-17	-0.004	0.016	0.812	0.018	69.440	TRUE	2.11E-16
Non-allergic asthma	SPATA2	cg25188239	rs199654698	C	T	0.493	0.054	0.053	1.06E-19	0.063	0.041	0.131	0.022	82.456	TRUE	1.42E-18
Non-allergic asthma	SQSTM1	cg01225779	rs12522926	G	A	-0.242	0.024	0.478	2.91E-24	0.040	0.016	0.011	0.027	103.224	TRUE	2.29E-22
Non-allergic asthma	SQSTM1	cg01225779	rs172056	G	A	0.169	0.026	0.305	4.70E-11	0.005	0.016	0.761	0.012	43.275	TRUE	9.21E-11
Non-allergic asthma	SQSTM1	cg06589507	rs4504352	A	G	0.193	0.034	0.140	1.76E-08	0.045	0.023	0.048	0.009	31.731	TRUE	9.16E-08
Non-allergic asthma	SQSTM1	cg06861426	rs35647750	A	G	-0.335	0.044	0.075	3.02E-14	-0.021	0.026	0.435	0.015	57.692	TRUE	1.13E-13
Non-allergic asthma	SQSTM1	cg12619504	rs10516140	A	C	0.418	0.032	0.161	1.53E-39	0.045	0.023	0.047	0.045	173.036	TRUE	4.88E-37
Non-allergic asthma	SQSTM1	cg12619504	rs13163209	A	G	0.172	0.030	0.175	1.27E-08	-0.018	0.021	0.411	0.009	32.355	TRUE	3.07E-08
Non-allergic asthma	SQSTM1	cg12619504	rs155787	G	A	-0.165	0.024	0.469	2.14E-12	-0.018	0.016	0.259	0.013	49.322	TRUE	9.25E-12
Non-allergic asthma	SQSTM1	cg12619504	rs155788	C	T	0.362	0.040	0.092	3.23E-19	0.059	0.035	0.096	0.021	80.247	TRUE	4.85E-18
Non-allergic asthma	SQSTM1	cg12619504	rs17616317	A	G	0.358	0.044	0.077	2.84E-16	-0.017	0.036	0.627	0.018	66.878	TRUE	9.50E-16
Non-allergic asthma	SQSTM1	cg12619504	rs59906025	G	A	0.133	0.024	0.417	3.05E-08	-0.021	0.016	0.188	0.008	30.661	TRUE	9.92E-08
Non-allergic asthma	SQSTM1	cg12619504	rs62406229	A	G	-0.170	0.026	0.324	3.16E-11	-0.006	0.016	0.695	0.012	44.052	TRUE	6.72E-11
Non-allergic asthma	SQSTM1	cg12619504	rs6860158	T	C	0.174	0.026	0.274	2.10E-11	-0.005	0.019	0.787	0.012	44.855	TRUE	4.09E-11
Non-allergic asthma	SQSTM1	cg12619504	rs73351608	T	A	1.440	0.069	0.026	4.30E-97	-0.089	0.200	0.658	0.106	437.013	TRUE	1.15E-91
Non-allergic asthma	SQSTM1	cg15960580	rs269445	G	A	-0.141	0.023	0.458	1.39E-09	-0.019	0.016	0.248	0.010	36.656	TRUE	4.66E-09
Non-allergic asthma	SQSTM1	cg27664881	rs113779029	A	G	0.454	0.075	0.043	1.35E-09	-0.063	0.032	0.051	0.010	36.719	TRUE	8.05E-09
Non-allergic asthma	STAT1	cg00493400	rs115651412	C	A	0.420	0.054	0.043	6.34E-15	0.047	0.032	0.142	0.016	60.762	TRUE	4.80E-14
Non-allergic asthma	STAT1	cg11255154	rs10168266	T	C	0.213	0.030	0.182	8.67E-13	-0.020	0.020	0.299	0.014	51.096	TRUE	3.60E-12
Non-allergic asthma	STAT1	cg11255154	rs10176649	T	G	0.156	0.028	0.242	1.70E-08	-0.003	0.023	0.889	0.009	31.797	TRUE	2.53E-08
Non-allergic asthma	STAT1	cg11255154	rs10804035	C	T	-0.192	0.023	0.447	1.49E-16	-0.029	0.016	0.068	0.018	68.146	TRUE	1.91E-15

Non-allergic asthma	STAT1	cg11255154	rs13032230	T	C	0.170	0.026	0.271	1.33E-10	-0.028	0.018	0.127	0.011	41.242	TRUE	6.55E-10
Non-allergic asthma	STAT1	cg11255154	rs138650679	T	C	-0.660	0.052	0.046	6.15E-37	0.060	0.026	0.022	0.042	161.126	TRUE	2.15E-34
Non-allergic asthma	STAT1	cg11255154	rs2008950	G	T	0.188	0.023	0.451	7.73E-16	0.008	0.016	0.612	0.017	64.902	TRUE	2.56E-15
Non-allergic asthma	STAT1	cg11255154	rs2356350	G	A	0.216	0.024	0.404	5.66E-20	-0.015	0.017	0.366	0.022	83.690	TRUE	4.04E-19
Non-allergic asthma	STAT1	cg11255154	rs62184386	T	C	-0.129	0.023	0.459	2.92E-08	-0.020	0.016	0.211	0.008	30.744	TRUE	9.11E-08
Non-allergic asthma	STAT1	cg11255154	rs6751855	G	A	0.286	0.024	0.451	1.28E-33	0.029	0.016	0.069	0.038	145.956	TRUE	1.40E-31
Non-allergic asthma	STAT1	cg11255154	rs7574070	A	C	0.151	0.025	0.357	7.13E-10	0.034	0.016	0.042	0.010	37.964	TRUE	4.70E-09
Non-allergic asthma	STAT1	cg18766080	rs2014259	T	G	0.133	0.024	0.379	2.00E-08	-0.041	0.016	0.009	0.008	31.477	TRUE	1.56E-07
Non-allergic asthma	STAT1	cg19881581	rs13029247	C	T	0.144	0.025	0.303	6.07E-09	0.035	0.017	0.046	0.009	33.794	TRUE	3.42E-08
Non-allergic asthma	STBD1	cg06978288	rs10029710	T	C	0.200	0.031	0.179	7.46E-11	-0.008	0.021	0.716	0.011	42.371	TRUE	1.51E-10
Non-allergic asthma	STBD1	cg06978288	rs112525409	T	C	0.433	0.070	0.029	5.48E-10	-0.035	0.056	0.532	0.010	38.477	TRUE	1.28E-09
Non-allergic asthma	STBD1	cg06978288	rs12501628	C	T	0.257	0.025	0.314	4.37E-24	0.006	0.017	0.740	0.027	102.420	TRUE	2.33E-23
Non-allergic asthma	STBD1	cg06978288	rs12548	C	A	-0.289	0.053	0.101	4.97E-08	0.025	0.026	0.333	0.008	29.713	TRUE	1.25E-07
Non-allergic asthma	STBD1	cg06978288	rs1441914	T	C	-0.423	0.024	0.417	2.32E-71	0.032	0.016	0.047	0.079	318.885	TRUE	1.42E-66
Non-allergic asthma	STBD1	cg06978288	rs4859684	C	T	0.216	0.025	0.342	2.40E-18	-0.004	0.016	0.788	0.020	76.289	TRUE	7.53E-18
Non-allergic asthma	STBD1	cg06978288	rs56717028	G	A	0.393	0.061	0.037	1.18E-10	0.071	0.071	0.313	0.011	41.475	TRUE	3.91E-10
Non-allergic asthma	STBD1	cg06978288	rs72657823	A	G	0.359	0.051	0.051	2.19E-12	0.012	0.043	0.782	0.013	49.279	TRUE	4.58E-12
Non-allergic asthma	STBD1	cg17010112	rs56049812	C	A	-0.439	0.024	0.450	6.13E-78	0.022	0.016	0.156	0.086	349.074	TRUE	3.75E-73
Non-allergic asthma	STBD1	cg17010112	rs6532385	G	A	0.403	0.038	0.105	1.22E-26	0.034	0.025	0.170	0.030	114.077	TRUE	3.06E-25
Non-allergic asthma	STBD1	cg18651932	rs111332382	C	T	0.468	0.073	0.026	1.57E-10	0.030	0.039	0.444	0.011	40.916	TRUE	4.27E-10
Non-allergic asthma	STBD1	cg18651932	rs2119731	G	A	0.169	0.024	0.381	4.25E-12	-0.010	0.017	0.561	0.013	47.981	TRUE	1.13E-11
Non-allergic asthma	STBD1	cg18651932	rs4859688	C	T	0.161	0.026	0.256	8.37E-10	-0.022	0.018	0.227	0.010	37.652	TRUE	2.97E-09
Non-allergic asthma	STBD1	cg18651932	rs61402764	T	C	-0.460	0.023	0.452	1.49E-85	0.022	0.016	0.160	0.094	384.030	TRUE	3.86E-80
Non-allergic asthma	STBD1	cg18651932	rs6818773	C	A	0.572	0.037	0.105	1.58E-52	0.033	0.025	0.184	0.059	232.524	TRUE	1.11E-49
Non-allergic asthma	STBD1	cg19406117	rs4272041	G	A	-0.134	0.024	0.452	2.33E-08	0.022	0.016	0.157	0.008	31.184	TRUE	8.20E-08
Non-allergic asthma	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	0.034	0.016	0.035	0.030	114.298	TRUE	6.94E-25
Non-allergic asthma	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	-0.011	0.045	0.807	0.009	33.267	TRUE	1.30E-08
Non-allergic asthma	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	0.001	0.017	0.964	0.013	49.346	TRUE	3.63E-12
Non-allergic asthma	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	0.033	0.016	0.037	0.055	215.024	TRUE	1.54E-45
Non-allergic asthma	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	-0.005	0.016	0.748	0.016	61.158	TRUE	1.35E-14
Non-allergic asthma	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	0.032	0.016	0.048	0.017	63.196	TRUE	2.39E-14
Non-allergic asthma	SYNPO2	cg03554174	rs17329882	C	A	0.257	0.028	0.231	4.45E-20	0.005	0.021	0.810	0.022	84.166	TRUE	1.54E-19
Non-allergic asthma	SYNPO2	cg08384155	rs7671665	G	A	0.222	0.026	0.291	8.81E-18	-0.001	0.019	0.949	0.020	73.723	TRUE	2.14E-17
Non-allergic asthma	SYNPO2	cg08774280	rs4834723	A	G	-0.142	0.025	0.333	6.56E-09	0.046	0.018	0.009	0.009	33.644	TRUE	5.60E-08
Non-allergic asthma	SYNPO2	cg10320997	rs57021447	A	G	-0.154	0.028	0.228	2.51E-08	0.059	0.022	0.007	0.008	31.038	TRUE	2.04E-07
Non-allergic asthma	SYNPO2	cg12973294	rs113187009	T	C	0.366	0.066	0.037	2.95E-08	0.069	0.065	0.283	0.008	30.724	TRUE	8.16E-08
Non-allergic asthma	SYNPO2	cg12973294	rs12502164	A	G	-0.149	0.024	0.395	6.87E-10	-0.051	0.016	0.002	0.010	38.036	TRUE	9.79E-09
Non-allergic asthma	SYNPO2	cg12973294	rs12507203	C	T	0.236	0.024	0.372	4.36E-23	0.064	0.017	1.56E-04	0.026	97.865	TRUE	1.20E-20
Non-allergic asthma	SYNPO2	cg12973294	rs35442382	A	G	0.206	0.028	0.237	8.87E-14	0.000	0.018	1.000	0.015	55.573	TRUE	1.58E-13
Non-allergic asthma	SYNPO2	cg12973294	rs62327805	A	C	-0.335	0.041	0.106	1.64E-16	0.014	0.023	0.538	0.018	67.961	TRUE	6.36E-16
Non-allergic asthma	SYNPO2	cg12973294	rs6826016	T	G	0.258	0.024	0.404	4.92E-27	0.030	0.016	0.062	0.030	115.868	TRUE	2.44E-25
Non-allergic asthma	SYNPO2	cg12973294	rs71608346	A	G	0.413	0.045	0.075	1.91E-20	0.053	0.030	0.077	0.023	85.838	TRUE	3.72E-19

Non-allergic asthma	SYNPO2	cg12973294	rs7689541	A	G	0.153	0.024	0.381	3.06E-10	0.013	0.016	0.427	0.011	39.617	TRUE	8.29E-10
Non-allergic asthma	SYNPO2	cg12973294	rs78448537	A	G	1.232	0.055	0.045	1.89E-109	0.091	0.035	0.008	0.118	493.764	TRUE	2.17E-100
Non-allergic asthma	SYNPO2	cg14717666	rs113187009	T	C	0.542	0.066	0.037	1.93E-16	0.069	0.065	0.283	0.018	67.631	TRUE	1.17E-15
Non-allergic asthma	SYNPO2	cg14717666	rs11726993	G	C	0.225	0.034	0.136	3.07E-11	0.049	0.025	0.049	0.012	44.106	TRUE	2.30E-10
Non-allergic asthma	SYNPO2	cg14717666	rs12506322	A	G	0.422	0.033	0.145	3.53E-38	0.048	0.022	0.029	0.043	166.802	TRUE	1.26E-35
Non-allergic asthma	SYNPO2	cg14717666	rs17636128	G	T	-0.170	0.027	0.254	1.94E-10	-0.022	0.019	0.239	0.011	40.505	TRUE	7.19E-10
Non-allergic asthma	SYNPO2	cg14717666	rs1993609	A	T	0.191	0.025	0.314	3.43E-14	-0.007	0.017	0.676	0.015	57.439	TRUE	9.21E-14
Non-allergic asthma	SYNPO2	cg14717666	rs28706123	G	A	-0.221	0.024	0.493	6.61E-21	-0.020	0.016	0.203	0.023	87.935	TRUE	7.81E-20
Non-allergic asthma	SYNPO2	cg14717666	rs34114839	T	C	-0.226	0.025	0.346	5.54E-20	-0.006	0.016	0.728	0.022	83.730	TRUE	2.15E-19
Non-allergic asthma	SYNPO2	cg14717666	rs35553303	T	A	0.512	0.043	0.079	1.17E-32	0.061	0.027	0.025	0.037	141.549	TRUE	2.05E-30
Non-allergic asthma	SYNPO2	cg14717666	rs559352743	A	G	0.334	0.052	0.052	1.49E-10	-0.002	0.029	0.956	0.011	41.017	TRUE	2.33E-10
Non-allergic asthma	SYNPO2	cg14717666	rs58527730	T	G	1.637	0.054	0.045	1.17E-204	0.088	0.035	0.010	0.201	931.341	TRUE	8.47E-183
Non-allergic asthma	SYNPO2	cg14717666	rs62321220	G	C	-0.176	0.029	0.211	1.11E-09	0.007	0.020	0.731	0.010	37.099	TRUE	2.06E-09
Non-allergic asthma	SYNPO2	cg14717666	rs62327793	T	C	-0.684	0.053	0.052	7.55E-38	0.048	0.042	0.250	0.043	165.291	TRUE	5.31E-36
Non-allergic asthma	SYNPO2	cg14717666	rs6854328	T	C	-0.168	0.027	0.260	4.46E-10	0.002	0.019	0.928	0.010	38.879	TRUE	6.98E-10
Non-allergic asthma	SYNPO2	cg14717666	rs72682809	T	C	0.405	0.058	0.041	2.86E-12	-0.029	0.037	0.431	0.013	48.757	TRUE	9.15E-12
Non-allergic asthma	SYNPO2	cg14717666	rs74538554	G	C	0.196	0.025	0.352	1.99E-15	0.019	0.017	0.268	0.017	63.039	TRUE	1.13E-14
Non-allergic asthma	SYNPO2	cg14717666	rs7656160	C	A	0.201	0.033	0.149	1.40E-09	0.039	0.021	0.058	0.010	36.648	TRUE	8.01E-09
Non-allergic asthma	SYNPO2	cg17200999	rs1846	A	G	-0.134	0.024	0.414	2.88E-08	-0.048	0.016	0.003	0.008	30.771	TRUE	2.74E-07
Non-allergic asthma	TBXAS1	cg00445997	rs1860509	G	T	-0.270	0.030	0.184	1.01E-19	-0.029	0.019	0.140	0.022	82.541	TRUE	1.31E-18
Non-allergic asthma	TBXAS1	cg26407309	rs2058265	T	G	-0.274	0.030	0.184	4.20E-20	-0.031	0.019	0.107	0.022	84.277	TRUE	6.62E-19
Non-allergic asthma	TCIRG1	cg01845451	rs12417937	C	T	0.334	0.047	0.067	1.48E-12	-0.074	0.033	0.026	0.013	50.053	TRUE	1.64E-11
Non-allergic asthma	TCIRG1	cg01845451	rs188948613	A	G	0.574	0.099	0.028	6.26E-09	0.071	0.028	0.013	0.009	33.734	TRUE	4.94E-08
Non-allergic asthma	TCIRG1	cg01845451	rs308306	A	G	0.265	0.027	0.260	4.37E-23	-0.010	0.020	0.633	0.026	97.860	TRUE	2.55E-22
Non-allergic asthma	TCIRG1	cg01845451	rs3133269	C	T	0.957	0.022	0.280	<1E-200	0.011	0.016	0.503	0.339	1896.170	TRUE	<1E-200
Non-allergic asthma	TCIRG1	cg01845451	rs4071997	A	G	-0.278	0.030	0.200	7.80E-21	0.057	0.020	0.005	0.023	87.605	TRUE	5.05E-19
Non-allergic asthma	TCIRG1	cg01845451	rs546538746	T	G	0.836	0.087	0.019	5.37E-22	0.022	0.048	0.638	0.024	92.896	TRUE	2.82E-21
Non-allergic asthma	TCIRG1	cg01845451	rs6591335	T	C	0.284	0.024	0.403	2.97E-32	0.013	0.016	0.431	0.036	139.706	TRUE	6.37E-31
Non-allergic asthma	TCIRG1	cg01845451	rs7116924	C	T	-0.438	0.029	0.197	7.02E-52	0.015	0.023	0.522	0.058	229.549	TRUE	1.30E-49
Non-allergic asthma	TCIRG1	cg01845451	rs72926467	T	C	0.833	0.065	0.030	5.09E-38	0.050	0.045	0.269	0.043	166.076	TRUE	3.41E-36
Non-allergic asthma	TCIRG1	cg01845451	rs74590624	T	C	0.206	0.034	0.142	9.15E-10	0.022	0.028	0.441	0.010	37.478	TRUE	2.34E-09
Non-allergic asthma	TCIRG1	cg01845451	rs9667430	T	A	-0.178	0.027	0.273	1.86E-11	0.023	0.018	0.211	0.012	45.084	TRUE	8.10E-11
Non-allergic asthma	TCIRG1	cg02387701	rs11228173	T	C	0.219	0.038	0.105	6.70E-09	-0.010	0.029	0.727	0.009	33.602	TRUE	1.18E-08
Non-allergic asthma	TCIRG1	cg02387701	rs3808974	G	A	0.350	0.026	0.255	6.84E-40	0.003	0.019	0.872	0.045	174.641	TRUE	1.30E-38
Non-allergic asthma	TCIRG1	cg06279471	rs11228147	A	C	-0.350	0.039	0.100	2.87E-19	0.030	0.026	0.254	0.021	80.484	TRUE	2.47E-18
Non-allergic asthma	TCIRG1	cg06279471	rs149720654	A	G	-0.325	0.057	0.046	9.74E-09	0.051	0.024	0.030	0.009	32.874	TRUE	6.00E-08
Non-allergic asthma	TCIRG1	cg06279471	rs3808969	G	A	-0.186	0.031	0.183	1.33E-09	-0.015	0.021	0.479	0.010	36.754	TRUE	3.20E-09
Non-allergic asthma	TCIRG1	cg06279471	rs71459684	G	T	0.489	0.056	0.049	2.29E-18	0.163	0.052	0.002	0.020	76.385	TRUE	1.43E-16
Non-allergic asthma	TCIRG1	cg06279471	rs884826	G	A	-0.532	0.023	0.476	4.77E-120	0.016	0.016	0.304	0.128	542.450	TRUE	1.02E-111
Non-allergic asthma	TCIRG1	cg06279471	rs999571	A	G	-0.350	0.038	0.103	1.72E-20	0.014	0.040	0.733	0.023	86.040	TRUE	6.90E-20
Non-allergic asthma	TCIRG1	cg08162803	rs71459684	G	T	0.530	0.056	0.049	2.45E-21	0.163	0.052	0.002	0.024	89.894	TRUE	2.47E-19
Non-allergic asthma	TCIRG1	cg08162803	rs884826	G	A	-0.291	0.023	0.476	2.00E-35	0.016	0.016	0.304	0.040	154.205	TRUE	8.72E-34

Non-allergic asthma	TCIRG1	cg08801887	rs10896289	A	C	0.198	0.031	0.168	1.11E-10	-0.002	0.029	0.947	0.011	41.589	TRUE	1.77E-10
Non-allergic asthma	TCIRG1	cg08932343	rs2511437	C	A	0.226	0.023	0.408	5.87E-22	0.021	0.016	0.197	0.024	92.719	TRUE	7.92E-21
Non-allergic asthma	TCIRG1	cg11731626	rs71459684	G	T	0.406	0.056	0.049	3.82E-13	0.163	0.052	0.002	0.014	52.703	TRUE	1.01E-11
Non-allergic asthma	TCIRG1	cg11731626	rs884826	G	A	-0.144	0.024	0.476	1.00E-09	0.016	0.016	0.304	0.010	37.298	TRUE	3.10E-09
Non-allergic asthma	TCIRG1	cg18456140	rs11228093	T	G	-0.169	0.029	0.196	7.09E-09	-0.017	0.021	0.426	0.009	33.493	TRUE	1.71E-08
Non-allergic asthma	TCIRG1	cg18456140	rs3808973	T	C	-1.257	0.065	0.029	3.06E-84	0.035	0.035	0.313	0.093	378.002	TRUE	2.47E-79
Non-allergic asthma	TCIRG1	cg20865778	rs10750830	C	T	0.143	0.024	0.415	1.89E-09	0.023	0.017	0.188	0.010	36.060	TRUE	7.02E-09
Non-allergic asthma	TCIRG1	cg20865778	rs11228038	C	T	0.226	0.041	0.193	2.44E-08	0.004	0.023	0.854	0.008	31.091	TRUE	3.71E-08
Non-allergic asthma	TCIRG1	cg20865778	rs11228147	A	C	0.449	0.039	0.100	9.97E-31	0.030	0.026	0.254	0.035	132.734	TRUE	2.95E-29
Non-allergic asthma	TCIRG1	cg20865778	rs11481	T	A	0.232	0.025	0.354	8.99E-21	0.020	0.017	0.221	0.023	87.326	TRUE	9.92E-20
Non-allergic asthma	TCIRG1	cg20865778	rs11600312	A	G	0.223	0.040	0.088	1.74E-08	0.001	0.040	0.977	0.009	31.750	TRUE	2.39E-08
Non-allergic asthma	TCIRG1	cg20865778	rs4071997	A	G	-0.198	0.030	0.200	2.93E-11	0.057	0.020	0.005	0.012	44.197	TRUE	4.29E-10
Non-allergic asthma	TCIRG1	cg20865778	rs4147779	G	A	-0.192	0.027	0.260	1.11E-12	0.004	0.016	0.796	0.013	50.604	TRUE	2.34E-12
Non-allergic asthma	TCIRG1	cg20865778	rs538038638	A	C	0.709	0.090	0.017	3.04E-15	-0.013	0.065	0.840	0.017	62.210	TRUE	7.16E-15
Non-allergic asthma	TCIRG1	cg20865778	rs79557925	A	G	0.863	0.030	0.168	1.21E-187	-0.002	0.029	0.951	0.187	853.121	TRUE	3.91E-172
Non-allergic asthma	TCIRG1	cg20865778	rs9737232	G	T	0.253	0.025	0.304	1.16E-23	0.039	0.019	0.039	0.026	100.490	TRUE	4.75E-22
Non-allergic asthma	TCIRG1	cg21049762	rs3763942	G	A	0.177	0.031	0.169	1.26E-08	-0.021	0.021	0.312	0.009	32.376	TRUE	3.46E-08
Non-allergic asthma	TCIRG1	cg21049762	rs4147780	G	A	0.228	0.023	0.476	6.74E-23	0.016	0.016	0.313	0.026	97.004	TRUE	7.23E-22
Non-allergic asthma	TCIRG1	cg21165137	rs11228173	T	C	0.252	0.038	0.105	2.79E-11	-0.010	0.029	0.727	0.012	44.294	TRUE	5.76E-11
Non-allergic asthma	TCIRG1	cg21165137	rs11481	T	A	0.210	0.025	0.354	2.25E-17	0.020	0.017	0.221	0.019	71.877	TRUE	1.74E-16
Non-allergic asthma	TCIRG1	cg21165137	rs12803743	C	T	-0.168	0.030	0.188	3.03E-08	0.058	0.020	0.004	0.008	30.669	TRUE	2.70E-07
Non-allergic asthma	TCIRG1	cg21165137	rs3808974	G	A	0.468	0.026	0.255	1.67E-70	0.003	0.019	0.872	0.078	314.949	TRUE	1.88E-67
Non-allergic asthma	TCIRG1	cg21165137	rs538038638	A	C	0.537	0.090	0.017	2.08E-09	-0.013	0.065	0.840	0.010	35.874	TRUE	3.42E-09
Non-allergic asthma	TCIRG1	cg23334365	rs11228145	G	T	-0.150	0.023	0.437	1.13E-10	0.006	0.016	0.713	0.011	41.558	TRUE	2.28E-10
Non-allergic asthma	TCIRG1	cg23334365	rs122213	T	C	0.314	0.056	0.049	1.64E-08	0.145	0.051	0.004	0.009	31.862	TRUE	1.54E-07
Non-allergic asthma	TCIRG1	cg26921533	rs2075609	G	A	0.278	0.026	0.268	1.09E-26	-0.014	0.019	0.459	0.030	114.292	TRUE	1.23E-25
Non-allergic asthma	TGFB1	cg15735736	rs111840944	A	G	0.266	0.045	0.075	3.88E-09	-0.036	0.039	0.356	0.009	34.665	TRUE	1.05E-08
Non-allergic asthma	TGFB1	cg20748073	rs16958999	G	A	0.317	0.031	0.159	6.42E-24	0.056	0.021	0.007	0.027	101.657	TRUE	5.77E-22
Non-allergic asthma	THBS1	cg02291532	rs3913763	C	T	-0.232	0.037	0.105	4.87E-10	-0.049	0.022	0.030	0.010	38.707	TRUE	3.61E-09
Non-allergic asthma	THBS1	cg02291532	rs6416433	A	G	-0.202	0.023	0.458	9.11E-18	-0.005	0.016	0.728	0.020	73.657	TRUE	2.97E-17
Non-allergic asthma	THBS1	cg05886626	rs12442955	T	C	0.168	0.027	0.266	2.97E-10	0.012	0.019	0.522	0.011	39.671	TRUE	7.17E-10
Non-allergic asthma	THBS1	cg05886626	rs16969802	C	T	-0.269	0.029	0.201	1.71E-20	-0.009	0.018	0.634	0.023	86.057	TRUE	7.96E-20
Non-allergic asthma	THBS1	cg05886626	rs2618164	T	C	-0.459	0.031	0.170	2.74E-49	0.043	0.025	0.078	0.056	217.674	TRUE	2.56E-46
Non-allergic asthma	THBS1	cg05886626	rs28537569	G	T	0.186	0.026	0.287	9.42E-13	-0.021	0.016	0.191	0.014	50.933	TRUE	4.91E-12
Non-allergic asthma	THBS1	cg05886626	rs3973363	C	A	-0.165	0.029	0.201	1.67E-08	0.016	0.017	0.340	0.009	31.833	TRUE	4.36E-08
Non-allergic asthma	THBS1	cg05886626	rs6492879	C	T	0.212	0.025	0.336	2.68E-17	0.017	0.017	0.320	0.019	71.531	TRUE	1.63E-16
Non-allergic asthma	THBS1	cg05886626	rs66490630	C	T	-0.419	0.056	0.044	7.47E-14	0.001	0.038	0.976	0.015	55.911	TRUE	1.37E-13
Non-allergic asthma	THBS1	cg08293324	rs2618163	T	G	-0.345	0.026	0.292	7.61E-41	0.042	0.019	0.027	0.046	179.007	TRUE	4.23E-38
Non-allergic asthma	THBS1	cg08293324	rs78911242	C	G	-0.313	0.041	0.085	2.96E-14	-0.012	0.035	0.727	0.015	57.731	TRUE	7.49E-14
Non-allergic asthma	THBS1	cg08433504	rs997752	C	T	0.227	0.024	0.481	1.71E-21	-0.007	0.016	0.676	0.024	90.606	TRUE	8.11E-21
Non-allergic asthma	THBS1	cg10078511	rs1105159	G	A	0.136	0.024	0.379	1.86E-08	-0.024	0.017	0.157	0.008	31.618	TRUE	6.63E-08
Non-allergic asthma	THBS1	cg10078511	rs12910572	A	T	-0.191	0.029	0.219	2.23E-11	0.018	0.019	0.352	0.012	44.737	TRUE	7.42E-11

Non-allergic asthma	THBS1	cg10078511	rs1478605	A	G	-0.363	0.026	0.291	2.72E-45	0.043	0.019	0.023	0.051	199.369	TRUE	3.26E-42
Non-allergic asthma	THBS1	cg10078511	rs60697424	A	G	0.204	0.037	0.117	3.88E-08	0.075	0.026	0.005	0.008	30.190	TRUE	3.37E-07
Non-allergic asthma	THBS1	cg10078511	rs78911242	C	G	-0.315	0.041	0.085	1.90E-14	-0.012	0.035	0.727	0.016	58.599	TRUE	4.88E-14
Non-allergic asthma	THBS1	cg10548034	rs2618163	T	G	-0.161	0.026	0.292	4.99E-10	0.042	0.019	0.027	0.010	38.660	TRUE	3.83E-09
Non-allergic asthma	THBS1	cg10576133	rs11070220	T	C	-0.229	0.035	0.120	9.51E-11	0.029	0.026	0.252	0.011	41.898	TRUE	3.54E-10
Non-allergic asthma	THBS1	cg12484072	rs997752	C	T	0.224	0.024	0.481	4.33E-21	-0.007	0.016	0.676	0.023	88.770	TRUE	1.99E-20
Non-allergic asthma	THBS1	cg23116540	rs997752	C	T	0.164	0.024	0.481	7.52E-12	-0.007	0.016	0.676	0.013	46.862	TRUE	1.71E-11
Non-allergic asthma	THBS1	cg23849826	rs2618163	T	G	-0.243	0.026	0.292	5.93E-21	0.042	0.019	0.027	0.023	88.146	TRUE	2.02E-19
Non-allergic asthma	THBS1	cg23849826	rs78911242	C	G	-0.259	0.041	0.085	3.30E-10	-0.012	0.035	0.727	0.011	39.466	TRUE	6.35E-10
Non-allergic asthma	THBS1	cg25499543	rs4429266	A	G	0.170	0.024	0.466	1.27E-12	0.004	0.016	0.819	0.013	50.351	TRUE	2.58E-12
Non-allergic asthma	THBS1	cg25499543	rs9806647	G	C	-0.220	0.036	0.123	7.64E-10	0.016	0.020	0.415	0.010	37.829	TRUE	2.03E-09
Non-allergic asthma	THBS1	cg25503381	rs2117975	A	G	-0.205	0.036	0.119	1.68E-08	0.010	0.030	0.734	0.009	31.821	TRUE	2.87E-08
Non-allergic asthma	THBS1	cg25503381	rs3743125	A	G	-0.294	0.036	0.121	2.36E-16	0.027	0.026	0.291	0.018	67.242	TRUE	1.40E-15
Non-allergic asthma	THBS1	cg25503381	rs997752	C	T	0.146	0.024	0.481	1.25E-09	-0.007	0.016	0.676	0.010	36.864	TRUE	2.44E-09
Non-allergic asthma	TICAM1	cg00087799	rs8113825	A	G	-0.165	0.024	0.385	8.68E-12	0.020	0.016	0.212	0.012	46.581	TRUE	3.90E-11
Non-allergic asthma	TICAM1	cg02752037	rs111853736	T	C	0.293	0.029	0.207	5.91E-24	0.001	0.019	0.944	0.027	101.820	TRUE	2.26E-23
Non-allergic asthma	TICAM1	cg02752037	rs1809980	T	C	0.241	0.044	0.158	4.68E-08	0.043	0.023	0.062	0.008	29.828	TRUE	2.14E-07
Non-allergic asthma	TICAM1	cg02752037	rs7259686	T	C	0.289	0.041	0.087	1.14E-12	0.011	0.026	0.665	0.013	50.567	TRUE	2.77E-12
Non-allergic asthma	TICAM1	cg02759622	rs6510827	T	C	-0.307	0.024	0.394	5.69E-38	0.022	0.016	0.163	0.043	165.854	TRUE	5.91E-36
Non-allergic asthma	TICAM1	cg26648758	rs2292151	A	G	0.310	0.027	0.248	1.36E-30	-0.037	0.017	0.025	0.034	132.112	TRUE	1.78E-28
Non-allergic asthma	TICAM1	cg26648758	rs4398201	T	A	0.139	0.024	0.392	7.56E-09	-0.017	0.017	0.316	0.009	33.366	TRUE	2.11E-08
Non-allergic asthma	TIRAP	cg02305850	rs645852	G	C	-0.207	0.026	0.259	3.87E-15	0.000	0.018	0.983	0.016	61.733	TRUE	7.61E-15
Non-allergic asthma	TIRAP	cg02305850	rs78999807	C	A	-0.369	0.056	0.051	3.18E-11	-0.010	0.031	0.741	0.012	44.037	TRUE	6.44E-11
Non-allergic asthma	TIRAP	cg02305850	rs8177348	T	C	0.319	0.027	0.226	2.71E-31	-0.045	0.019	0.017	0.035	135.317	TRUE	4.73E-29
Non-allergic asthma	TIRAP	cg02973469	rs12574111	A	G	-0.176	0.026	0.259	2.48E-11	0.000	0.018	0.980	0.012	44.529	TRUE	3.93E-11
Non-allergic asthma	TIRAP	cg02973469	rs8177348	T	C	0.284	0.028	0.226	5.77E-25	-0.045	0.019	0.017	0.028	106.428	TRUE	4.11E-23
Non-allergic asthma	TIRAP	cg07194166	rs10893502	T	C	0.133	0.024	0.408	4.57E-08	-0.001	0.016	0.968	0.008	29.877	TRUE	6.21E-08
Non-allergic asthma	TIRAP	cg07194166	rs3781778	A	G	0.215	0.027	0.247	2.07E-15	0.025	0.019	0.182	0.017	62.963	TRUE	1.46E-14
Non-allergic asthma	TIRAP	cg07194166	rs4935969	T	C	-0.159	0.025	0.377	9.68E-11	-0.003	0.016	0.864	0.011	41.863	TRUE	1.67E-10
Non-allergic asthma	TIRAP	cg07194166	rs529328	A	G	0.247	0.027	0.246	3.09E-20	0.006	0.020	0.742	0.022	84.884	TRUE	1.20E-19
Non-allergic asthma	TIRAP	cg07194166	rs595022	T	C	0.208	0.027	0.261	2.06E-14	0.023	0.017	0.165	0.016	58.441	TRUE	1.37E-13
Non-allergic asthma	TIRAP	cg07194166	rs611953	A	G	-0.750	0.027	0.219	2.08E-173	-0.044	0.019	0.020	0.176	787.677	TRUE	1.10E-156
Non-allergic asthma	TIRAP	cg07194166	rs613214	C	A	0.204	0.025	0.331	2.65E-16	0.008	0.017	0.630	0.018	67.012	TRUE	8.86E-16
Non-allergic asthma	TIRAP	cg07194166	rs79340868	A	G	-0.458	0.056	0.042	4.88E-16	-0.001	0.047	0.976	0.017	65.810	TRUE	1.02E-15
Non-allergic asthma	TIRAP	cg15932284	rs478309	A	G	0.289	0.028	0.224	1.49E-25	-0.044	0.019	0.021	0.029	109.112	TRUE	1.06E-23
Non-allergic asthma	TIRAP	cg21533667	rs10893492	T	C	0.468	0.036	0.110	1.09E-37	0.031	0.023	0.170	0.043	164.564	TRUE	1.05E-35
Non-allergic asthma	TIRAP	cg21533667	rs112564808	C	T	0.730	0.120	0.011	1.37E-09	-0.052	0.043	0.233	0.010	36.685	TRUE	4.72E-09
Non-allergic asthma	TIRAP	cg26202340	rs12574111	A	G	-0.209	0.026	0.259	2.82E-15	0.000	0.018	0.980	0.017	62.354	TRUE	5.62E-15
Non-allergic asthma	TIRAP	cg26202340	rs638766	T	C	0.342	0.028	0.223	7.60E-35	-0.043	0.019	0.023	0.039	151.557	TRUE	1.92E-32
Non-allergic asthma	TIRAP	cg26202340	rs73027000	T	C	-0.349	0.063	0.040	2.34E-08	-0.018	0.032	0.568	0.008	31.177	TRUE	4.64E-08
Non-allergic asthma	TMEM109	cg14132103	rs4939474	G	A	-0.194	0.023	0.458	9.98E-17	-0.032	0.016	0.043	0.018	68.936	TRUE	1.59E-15
Non-allergic asthma	TMEM150A	cg20254422	rs6733550	G	T	-0.141	0.025	0.349	8.21E-09	-0.041	0.017	0.019	0.009	33.206	TRUE	5.77E-08

Non-allergic asthma	TNF	cg02137984	rs1475865	T	C	-0.158	0.026	0.276	1.75E-09	0.026	0.020	0.175	0.010	36.214	TRUE	6.71E-09
Non-allergic asthma	TNF	cg10717214	rs3130283	A	C	-0.199	0.032	0.161	4.28E-10	0.026	0.023	0.273	0.010	38.959	TRUE	1.44E-09
Non-allergic asthma	TNF	cg11484872	rs1041981	A	C	0.139	0.024	0.360	1.48E-08	0.045	0.017	0.007	0.009	32.066	TRUE	1.27E-07
Non-allergic asthma	TNF	cg12681001	rs56280220	C	G	0.633	0.105	0.013	1.57E-09	-0.067	0.104	0.522	0.010	36.429	TRUE	3.57E-09
Non-allergic asthma	TNF	cg21222743	rs2857600	T	C	-0.221	0.033	0.144	1.74E-11	0.003	0.023	0.879	0.012	45.219	TRUE	3.10E-11
Non-allergic asthma	TNF	cg21222743	rs56280220	C	G	0.596	0.105	0.013	1.35E-08	-0.067	0.104	0.522	0.009	32.243	TRUE	2.86E-08
Non-allergic asthma	TNF	cg21222743	rs9405084	T	C	0.148	0.026	0.323	6.52E-09	-0.047	0.016	0.003	0.009	33.653	TRUE	7.17E-08
Non-allergic asthma	TNF	cg27531490	rs1055890	G	A	-0.184	0.025	0.356	9.19E-14	-0.036	0.016	0.023	0.015	55.503	TRUE	1.25E-12
Non-allergic asthma	TNF	cg27531490	rs113428559	C	G	-0.897	0.080	0.021	2.05E-29	-0.079	0.044	0.074	0.033	126.738	TRUE	1.24E-27
Non-allergic asthma	TNF	cg27531490	rs114733011	A	G	0.667	0.073	0.023	8.64E-20	0.018	0.055	0.736	0.022	82.853	TRUE	3.26E-19
Non-allergic asthma	TNF	cg27531490	rs116329723	G	T	0.729	0.104	0.015	2.61E-12	0.039	0.056	0.484	0.013	48.933	TRUE	7.78E-12
Non-allergic asthma	TNF	cg27531490	rs1265075	A	C	0.299	0.047	0.074	1.62E-10	0.004	0.024	0.859	0.011	40.851	TRUE	2.79E-10
Non-allergic asthma	TNF	cg27531490	rs138039007	C	T	0.660	0.086	0.022	2.42E-14	0.078	0.034	0.021	0.015	58.123	TRUE	3.69E-13
Non-allergic asthma	TNF	cg27531490	rs17190638	C	T	-0.732	0.061	0.039	3.29E-33	-0.071	0.042	0.093	0.037	144.076	TRUE	2.80E-31
Non-allergic asthma	TNF	cg27531490	rs184227609	C	A	-0.763	0.072	0.027	2.79E-26	0.019	0.050	0.700	0.029	112.432	TRUE	1.92E-25
Non-allergic asthma	TNF	cg27531490	rs2240063	T	C	-0.171	0.024	0.448	4.30E-13	0.019	0.016	0.227	0.014	52.473	TRUE	2.13E-12
Non-allergic asthma	TNF	cg27531490	rs2844470	T	A	-0.691	0.048	0.071	8.19E-48	-0.030	0.031	0.336	0.054	210.916	TRUE	1.55E-45
Non-allergic asthma	TNF	cg27531490	rs3128984	G	A	0.425	0.051	0.062	5.78E-17	0.035	0.025	0.158	0.019	70.012	TRUE	5.19E-16
Non-allergic asthma	TNF	cg27531490	rs41543814	T	C	0.143	0.024	0.417	2.12E-09	0.033	0.016	0.040	0.010	35.836	TRUE	1.33E-08
Non-allergic asthma	TNF	cg27531490	rs55777621	A	G	0.412	0.062	0.038	2.81E-11	-0.015	0.058	0.794	0.012	44.282	TRUE	5.39E-11
Non-allergic asthma	TNF	cg27531490	rs6927870	G	A	-0.245	0.027	0.240	1.80E-19	-0.063	0.016	1.31E-04	0.022	81.400	TRUE	2.73E-17
Non-allergic asthma	TNF	cg27531490	rs75622849	T	C	-0.484	0.082	0.023	4.54E-09	0.021	0.072	0.767	0.009	34.358	TRUE	7.81E-09
Non-allergic asthma	TNF	cg27531490	rs7776032	C	T	-0.145	0.026	0.305	2.27E-08	-0.004	0.019	0.839	0.008	31.233	TRUE	3.50E-08
Non-allergic asthma	TNF	cg27531490	rs9405084	T	C	0.255	0.025	0.323	1.06E-23	-0.047	0.016	0.003	0.026	100.672	TRUE	1.28E-21
Non-allergic asthma	TNFRSF1A	cg00556515	rs1800692	A	G	-0.854	0.020	0.391	<1E-200	0.034	0.016	0.039	0.332	1835.050	TRUE	<1E-200
Non-allergic asthma	TNFRSF1A	cg00556515	rs34819705	C	G	0.354	0.052	0.104	1.19E-11	0.022	0.021	0.300	0.012	45.957	TRUE	4.44E-11
Non-allergic asthma	TNFRSF1A	cg00556515	rs3764875	C	T	0.367	0.033	0.346	2.54E-28	-0.043	0.017	0.010	0.032	121.747	TRUE	3.70E-26
Non-allergic asthma	TNFRSF1A	cg00556515	rs4149579	T	C	-0.590	0.066	0.086	5.79E-19	0.043	0.034	0.203	0.021	79.096	TRUE	5.57E-18
Non-allergic asthma	TNFRSF1A	cg00556515	rs4764568	C	T	-0.208	0.030	0.203	1.89E-12	0.015	0.019	0.439	0.013	49.570	TRUE	6.06E-12
Non-allergic asthma	TNFRSF1A	cg00556515	rs4764577	G	T	-0.166	0.025	0.365	1.31E-11	-0.001	0.017	0.930	0.012	45.777	TRUE	2.23E-11
Non-allergic asthma	TNFRSF1A	cg00556515	rs7976804	A	G	-0.205	0.032	0.447	2.24E-10	0.014	0.016	0.373	0.011	40.220	TRUE	6.63E-10
Non-allergic asthma	TNFRSF1A	cg08418872	rs4149570	A	C	-0.341	0.023	0.392	9.98E-49	0.042	0.016	0.011	0.055	215.104	TRUE	3.31E-45
Non-allergic asthma	TNFRSF1A	cg09043214	rs3764875	C	T	0.261	0.034	0.346	6.52E-15	-0.043	0.017	0.010	0.016	60.705	TRUE	1.37E-13
Non-allergic asthma	TNFRSF1A	cg09043214	rs4149570	A	C	-0.695	0.022	0.392	2.52E-215	0.042	0.016	0.011	0.210	980.395	TRUE	1.00E-191
Non-allergic asthma	TNFRSF1A	cg09043214	rs4764577	G	T	-0.164	0.025	0.365	2.84E-11	-0.001	0.017	0.930	0.012	44.258	TRUE	4.74E-11
Non-allergic asthma	TNFRSF1A	cg11268190	rs1800692	A	G	-0.860	0.019	0.391	<1E-200	0.034	0.016	0.039	0.356	2048.898	TRUE	<1E-200
Non-allergic asthma	TNFRSF1A	cg11268190	rs34819705	C	G	0.332	0.052	0.104	2.11E-10	0.022	0.021	0.300	0.011	40.338	TRUE	6.99E-10
Non-allergic asthma	TNFRSF1A	cg11268190	rs3764875	C	T	0.333	0.033	0.346	2.08E-23	-0.043	0.017	0.010	0.026	99.334	TRUE	1.49E-21
Non-allergic asthma	TNFRSF1A	cg11268190	rs3782722	A	G	-0.200	0.032	0.447	6.56E-10	0.014	0.016	0.392	0.010	38.127	TRUE	1.81E-09
Non-allergic asthma	TNFRSF1A	cg11268190	rs4149579	T	C	-0.675	0.066	0.086	1.68E-24	0.043	0.034	0.203	0.027	104.313	TRUE	2.93E-23
Non-allergic asthma	TNFRSF1A	cg11268190	rs4764568	C	T	-0.167	0.030	0.203	1.71E-08	0.015	0.019	0.439	0.009	31.781	TRUE	3.95E-08
Non-allergic asthma	TNFRSF1A	cg11268190	rs4764577	G	T	-0.170	0.025	0.365	5.16E-12	-0.001	0.017	0.930	0.013	47.598	TRUE	8.98E-12

Non-allergic asthma	TNFRSF1A	cg14009561	rs1800692	A	G	-0.605	0.023	0.391	3.34E-157	0.034	0.016	0.039	0.162	713.188	TRUE	4.34E-143
Non-allergic asthma	TNFRSF1A	cg14009561	rs3764875	C	T	0.250	0.033	0.346	9.34E-14	-0.043	0.017	0.010	0.015	55.472	TRUE	1.65E-12
Non-allergic asthma	TNFRSF1A	cg14009561	rs4149579	T	C	-0.402	0.067	0.086	1.83E-09	0.043	0.034	0.203	0.010	36.129	TRUE	6.57E-09
Non-allergic asthma	TNFRSF1A	cg14009561	rs4764568	C	T	-0.162	0.030	0.203	3.85E-08	0.015	0.019	0.439	0.008	30.207	TRUE	8.63E-08
Non-allergic asthma	TNFRSF1A	cg14009561	rs4764577	G	T	-0.145	0.025	0.365	3.55E-09	-0.001	0.017	0.930	0.009	34.835	TRUE	5.29E-09
Non-allergic asthma	TNFRSF1A	cg17330843	rs1800693	C	T	0.237	0.023	0.397	4.78E-24	-0.046	0.016	0.004	0.027	102.243	TRUE	5.29E-22
Non-allergic asthma	TNFRSF1A	cg17330843	rs7297961	G	A	-1.120	0.146	0.011	1.52E-14	-0.004	0.061	0.952	0.016	59.046	TRUE	2.99E-14
Non-allergic asthma	TNFRSF1A	cg23320693	rs767455	C	T	0.303	0.023	0.415	6.01E-39	-0.046	0.016	0.004	0.044	170.322	TRUE	7.20E-36
Non-allergic asthma	TNFRSF1A	cg23752651	rs4149570	A	C	-0.472	0.023	0.392	6.18E-94	0.042	0.016	0.011	0.103	422.509	TRUE	1.40E-86
Non-allergic asthma	TNFRSF1A	cg23752651	rs55759660	T	C	0.266	0.043	0.164	6.25E-10	-0.057	0.020	0.005	0.010	38.222	TRUE	7.41E-09
Non-allergic asthma	TOMM7	cg03711348	rs10950920	C	A	0.148	0.026	0.285	1.55E-08	0.053	0.017	0.002	0.009	31.971	TRUE	1.69E-07
Non-allergic asthma	TOMM7	cg11367502	rs10226018	G	A	-0.207	0.024	0.422	2.27E-18	-0.006	0.016	0.702	0.020	76.401	TRUE	8.04E-18
Non-allergic asthma	TOMM7	cg11367502	rs10237131	C	T	0.235	0.023	0.445	1.15E-23	-0.008	0.016	0.610	0.026	100.510	TRUE	7.31E-23
Non-allergic asthma	TOMM7	cg11367502	rs10277261	C	T	0.210	0.025	0.329	3.28E-17	-0.041	0.016	0.011	0.019	71.129	TRUE	9.29E-16
Non-allergic asthma	TOMM7	cg11367502	rs66540642	G	A	1.169	0.048	0.062	5.47E-133	-0.017	0.028	0.541	0.140	601.910	TRUE	9.59E-124
Non-allergic asthma	TOMM7	cg11367502	rs7782981	T	C	0.159	0.027	0.260	3.32E-09	-0.024	0.021	0.243	0.009	34.970	TRUE	1.08E-08
Non-allergic asthma	TOMM7	cg13679077	rs66540642	G	A	0.892	0.049	0.062	2.39E-75	-0.017	0.028	0.541	0.084	337.183	TRUE	1.57E-71
Non-allergic asthma	TOMM7	cg13679077	rs6973118	G	A	-0.192	0.023	0.485	1.02E-16	-0.031	0.016	0.045	0.018	68.899	TRUE	1.59E-15
Non-allergic asthma	TOMM7	cg14448850	rs2240728	T	C	-0.188	0.025	0.303	6.73E-14	-0.006	0.016	0.707	0.015	56.115	TRUE	1.70E-13
Non-allergic asthma	TOP3A	cg02753233	rs34417974	T	C	0.138	0.024	0.457	5.39E-09	-0.013	0.016	0.416	0.009	34.026	TRUE	1.33E-08
Non-allergic asthma	TOP3A	cg23045404	rs2605142	T	C	0.144	0.026	0.288	2.03E-08	0.046	0.017	0.006	0.008	31.446	TRUE	1.72E-07
Non-allergic asthma	TOP3A	cg25558099	rs2605143	T	C	0.282	0.025	0.333	3.86E-30	-0.019	0.017	0.273	0.034	130.046	TRUE	1.01E-28
Non-allergic asthma	TP73	cg00505606	rs3765754	C	T	-0.202	0.024	0.339	2.45E-17	-0.021	0.016	0.203	0.019	71.706	TRUE	1.99E-16
Non-allergic asthma	TP73	cg00589002	rs1122723	G	A	-0.198	0.024	0.426	1.44E-16	0.019	0.016	0.235	0.018	68.214	TRUE	9.92E-16
Non-allergic asthma	TP73	cg00589002	rs144666894	A	T	-0.403	0.067	0.029	1.57E-09	0.047	0.047	0.320	0.010	36.424	TRUE	4.65E-09
Non-allergic asthma	TP73	cg00589002	rs3819963	T	C	0.288	0.030	0.178	2.90E-21	0.010	0.025	0.684	0.024	89.563	TRUE	1.33E-20
Non-allergic asthma	TP73	cg02134594	rs3765754	C	T	-0.289	0.024	0.339	5.81E-34	-0.021	0.016	0.203	0.038	147.516	TRUE	3.04E-32
Non-allergic asthma	TP73	cg03103850	rs3765754	C	T	-0.181	0.024	0.339	3.50E-14	-0.021	0.016	0.203	0.015	57.399	TRUE	2.05E-13
Non-allergic asthma	TP73	cg04137576	rs1885863	C	T	-0.318	0.029	0.207	2.20E-28	0.037	0.020	0.062	0.032	122.031	TRUE	1.29E-26
Non-allergic asthma	TP73	cg04137576	rs2760321	T	C	0.272	0.031	0.175	1.53E-18	0.025	0.024	0.304	0.020	77.182	TRUE	1.09E-17
Non-allergic asthma	TP73	cg04137576	rs3818330	T	G	-0.242	0.028	0.213	1.25E-17	0.035	0.018	0.052	0.019	73.031	TRUE	2.07E-16
Non-allergic asthma	TP73	cg04159546	rs2146657	A	G	-0.235	0.029	0.203	6.09E-16	0.013	0.018	0.478	0.017	65.371	TRUE	2.47E-15
Non-allergic asthma	TP73	cg04159546	rs35837097	A	G	-0.146	0.024	0.468	5.86E-10	-0.014	0.016	0.375	0.010	38.347	TRUE	1.66E-09
Non-allergic asthma	TP73	cg04159546	rs375432272	A	C	-0.744	0.113	0.022	3.85E-11	-0.004	0.051	0.945	0.012	43.664	TRUE	6.28E-11
Non-allergic asthma	TP73	cg04159546	rs3765703	G	T	-0.355	0.024	0.426	1.00E-50	0.016	0.016	0.320	0.057	224.265	TRUE	2.99E-48
Non-allergic asthma	TP73	cg04159546	rs3765751	A	G	-0.351	0.025	0.289	2.35E-43	0.016	0.018	0.382	0.049	190.498	TRUE	2.13E-41
Non-allergic asthma	TP73	cg04159546	rs3765769	C	T	-0.434	0.062	0.035	2.72E-12	0.045	0.047	0.343	0.013	48.854	TRUE	9.99E-12
Non-allergic asthma	TP73	cg04159546	rs6702451	T	A	-0.181	0.030	0.194	1.60E-09	-0.013	0.021	0.538	0.010	36.385	TRUE	3.59E-09
Non-allergic asthma	TP73	cg04159546	rs7526126	G	C	-0.180	0.031	0.177	5.70E-09	0.025	0.024	0.297	0.009	33.916	TRUE	1.65E-08
Non-allergic asthma	TP73	cg04392488	rs12117836	A	G	-0.380	0.025	0.346	2.77E-53	0.004	0.016	0.814	0.060	235.985	TRUE	2.96E-51
Non-allergic asthma	TP73	cg04392488	rs3753205	C	G	-0.249	0.043	0.213	7.31E-09	0.028	0.020	0.168	0.009	33.433	TRUE	2.66E-08
Non-allergic asthma	TP73	cg04392488	rs3765754	C	T	-0.198	0.024	0.339	1.40E-16	-0.021	0.016	0.203	0.018	68.263	TRUE	1.05E-15

Non-allergic asthma	TP73	cg04562683	rs12095248	G	A	0.457	0.040	0.093	7.31E-30	0.006	0.022	0.790	0.034	128.783	TRUE	5.97E-29
Non-allergic asthma	TP73	cg04562683	rs12121865	A	G	-0.508	0.074	0.058	5.48E-12	0.086	0.040	0.034	0.013	47.482	TRUE	5.13E-11
Non-allergic asthma	TP73	cg04562683	rs12737840	T	C	-0.815	0.027	0.387	3.71E-200	-0.026	0.017	0.122	0.198	910.649	TRUE	1.50E-180
Non-allergic asthma	TP73	cg04562683	rs2224718	T	C	0.138	0.024	0.420	1.08E-08	0.023	0.016	0.163	0.009	32.675	TRUE	3.90E-08
Non-allergic asthma	TP73	cg04562683	rs35837097	A	G	-0.223	0.024	0.468	2.84E-21	-0.014	0.016	0.375	0.024	89.600	TRUE	2.26E-20
Non-allergic asthma	TP73	cg04562683	rs3765702	T	C	0.154	0.024	0.388	2.26E-10	0.012	0.016	0.430	0.011	40.210	TRUE	6.16E-10
Non-allergic asthma	TP73	cg04562683	rs6424089	A	G	-0.318	0.034	0.461	3.31E-20	-0.011	0.016	0.464	0.022	84.747	TRUE	2.00E-19
Non-allergic asthma	TP73	cg04562683	rs72470159	C	G	0.669	0.095	0.034	1.72E-12	0.017	0.058	0.773	0.013	49.755	TRUE	3.65E-12
Non-allergic asthma	TP73	cg04600984	rs36031771	G	A	-0.138	0.024	0.404	1.18E-08	0.012	0.016	0.451	0.009	32.509	TRUE	2.71E-08
Non-allergic asthma	TP73	cg04600984	rs4648534	T	C	-0.188	0.027	0.270	3.50E-12	0.001	0.018	0.937	0.013	48.361	TRUE	6.10E-12
Non-allergic asthma	TP73	cg04600984	rs75368081	G	A	-0.253	0.044	0.072	7.23E-09	-0.033	0.033	0.325	0.009	33.453	TRUE	2.00E-08
Non-allergic asthma	TP73	cg05116756	rs35837097	A	G	-0.203	0.023	0.468	1.70E-18	-0.014	0.016	0.375	0.020	76.973	TRUE	1.04E-17
Non-allergic asthma	TP73	cg05116756	rs3765754	C	T	-0.136	0.024	0.339	7.59E-09	-0.021	0.016	0.203	0.009	33.359	TRUE	2.56E-08
Non-allergic asthma	TP73	cg05782471	rs1181880	T	C	-0.212	0.038	0.099	3.26E-08	0.026	0.025	0.298	0.008	30.527	TRUE	8.81E-08
Non-allergic asthma	TP73	cg05782471	rs2146659	G	A	-0.276	0.024	0.365	5.28E-30	0.002	0.016	0.881	0.034	129.427	TRUE	3.73E-29
Non-allergic asthma	TP73	cg05924583	rs12408890	C	T	-0.167	0.025	0.340	1.32E-11	0.025	0.016	0.121	0.012	45.754	TRUE	7.44E-11
Non-allergic asthma	TP73	cg05936300	rs2760317	T	C	-0.322	0.051	0.058	1.84E-10	0.013	0.037	0.715	0.011	40.608	TRUE	3.64E-10
Non-allergic asthma	TP73	cg05936300	rs2821022	A	T	-0.303	0.026	0.300	2.58E-32	0.011	0.019	0.570	0.036	139.989	TRUE	4.08E-31
Non-allergic asthma	TP73	cg05936300	rs3765703	G	T	-0.182	0.024	0.426	3.29E-14	0.016	0.016	0.320	0.015	57.524	TRUE	1.50E-13
Non-allergic asthma	TP73	cg05936300	rs7416277	A	G	-0.346	0.061	0.039	1.32E-08	0.009	0.033	0.795	0.009	32.285	TRUE	2.15E-08
Non-allergic asthma	TP73	cg06646112	rs3765737	G	A	0.251	0.024	0.376	1.95E-25	-0.009	0.016	0.551	0.029	108.574	TRUE	1.63E-24
Non-allergic asthma	TP73	cg06939447	rs3765703	G	T	-0.134	0.024	0.426	1.90E-08	0.016	0.016	0.320	0.008	31.580	TRUE	5.07E-08
Non-allergic asthma	TP73	cg06996273	rs3765754	C	T	-0.136	0.024	0.339	1.53E-08	-0.021	0.016	0.203	0.009	31.995	TRUE	5.00E-08
Non-allergic asthma	TP73	cg07045089	rs2296032	C	T	0.387	0.032	0.319	2.20E-33	-0.006	0.017	0.738	0.038	144.874	TRUE	2.78E-32
Non-allergic asthma	TP73	cg07045089	rs3765763	A	C	-0.169	0.031	0.174	4.66E-08	0.009	0.025	0.711	0.008	29.836	TRUE	7.92E-08
Non-allergic asthma	TP73	cg08887707	rs1181877	T	C	-0.286	0.035	0.302	1.13E-16	-0.012	0.017	0.471	0.018	68.695	TRUE	4.94E-16
Non-allergic asthma	TP73	cg08887707	rs1181880	T	C	0.234	0.038	0.099	1.19E-09	0.026	0.025	0.298	0.010	36.972	TRUE	3.67E-09
Non-allergic asthma	TP73	cg08887707	rs12032272	T	C	-1.279	0.035	0.164	4.89E-293	0.032	0.021	0.120	0.266	1337.767	TRUE	1.31E-256
Non-allergic asthma	TP73	cg08887707	rs35761570	C	T	-0.187	0.028	0.233	2.04E-11	0.008	0.024	0.726	0.012	44.905	TRUE	4.26E-11
Non-allergic asthma	TP73	cg08887707	rs3753205	C	G	-0.415	0.043	0.213	1.85E-22	0.028	0.020	0.168	0.025	95.007	TRUE	2.92E-21
Non-allergic asthma	TP73	cg08887707	rs3765762	A	G	-1.036	0.064	0.034	2.48E-59	0.042	0.047	0.374	0.067	263.716	TRUE	2.14E-56
Non-allergic asthma	TP73	cg08887707	rs4582730	G	A	0.283	0.024	0.380	7.30E-32	0.003	0.016	0.859	0.036	137.923	TRUE	6.35E-31
Non-allergic asthma	TP73	cg08887707	rs76073395	T	C	-0.503	0.056	0.090	2.98E-19	0.037	0.026	0.167	0.021	80.406	TRUE	3.32E-18
Non-allergic asthma	TP73	cg09248714	rs3765692	C	T	0.379	0.037	0.249	8.86E-25	0.018	0.017	0.296	0.028	105.580	TRUE	1.21E-23
Non-allergic asthma	TP73	cg09248714	rs3765730	A	G	-0.162	0.025	0.362	5.65E-11	-0.004	0.016	0.784	0.011	42.917	TRUE	1.08E-10
Non-allergic asthma	TP73	cg09248714	rs60206806	C	T	0.217	0.031	0.175	2.44E-12	0.025	0.024	0.309	0.013	49.070	TRUE	9.52E-12
Non-allergic asthma	TP73	cg09852697	rs1122723	G	A	-0.395	0.024	0.426	6.89E-63	0.019	0.016	0.235	0.070	280.020	TRUE	1.87E-59
Non-allergic asthma	TP73	cg09852697	rs3765736	T	C	0.368	0.024	0.376	3.19E-53	-0.010	0.016	0.540	0.060	235.701	TRUE	6.77E-51
Non-allergic asthma	TP73	cg09852697	rs3765769	C	T	-0.468	0.062	0.035	5.12E-14	0.045	0.047	0.343	0.015	56.653	TRUE	2.20E-13
Non-allergic asthma	TP73	cg11504517	rs10752739	G	A	0.405	0.023	0.482	1.52E-67	-0.035	0.016	0.027	0.075	301.378	TRUE	7.28E-63
Non-allergic asthma	TP73	cg11504517	rs2821022	A	T	-0.215	0.026	0.300	6.67E-17	0.011	0.019	0.570	0.019	69.731	TRUE	2.55E-16
Non-allergic asthma	TP73	cg11504517	rs3765703	G	T	-0.213	0.024	0.426	4.94E-19	0.016	0.016	0.320	0.021	79.411	TRUE	3.56E-18

Non-allergic asthma	TP73	cg11585071	rs1181880	T	C	-0.245	0.038	0.099	1.80E-10	0.026	0.025	0.298	0.011	40.645	TRUE	6.04E-10
Non-allergic asthma	TP73	cg11585071	rs12121865	A	G	0.438	0.074	0.058	2.90E-09	0.086	0.040	0.034	0.009	35.231	TRUE	1.86E-08
Non-allergic asthma	TP73	cg11585071	rs1885870	C	G	-0.840	0.021	0.372	<1E-200	-0.009	0.016	0.560	0.300	1586.883	TRUE	6.92E-301
Non-allergic asthma	TP73	cg11585071	rs3765732	G	A	0.416	0.047	0.161	5.34E-19	-0.007	0.025	0.769	0.021	79.255	TRUE	1.81E-18
Non-allergic asthma	TP73	cg11585071	rs55657548	T	C	0.406	0.030	0.178	1.53E-40	0.010	0.025	0.691	0.046	177.614	TRUE	4.57E-39
Non-allergic asthma	TP73	cg11585071	rs7542464	T	C	0.295	0.025	0.317	2.71E-31	-0.006	0.017	0.729	0.035	135.319	TRUE	2.83E-30
Non-allergic asthma	TP73	cg11970695	rs1122723	G	A	0.169	0.024	0.426	1.83E-12	0.019	0.016	0.235	0.013	49.627	TRUE	8.38E-12
Non-allergic asthma	TP73	cg12268562	rs1122723	G	A	-0.272	0.024	0.426	5.45E-30	0.019	0.016	0.235	0.034	129.365	TRUE	1.58E-28
Non-allergic asthma	TP73	cg12268562	rs1885868	C	T	-0.491	0.061	0.038	7.32E-16	0.008	0.033	0.800	0.017	65.010	TRUE	1.89E-15
Non-allergic asthma	TP73	cg12268562	rs2146659	G	A	0.321	0.024	0.365	3.08E-40	0.002	0.016	0.881	0.045	176.228	TRUE	5.98E-39
Non-allergic asthma	TP73	cg12268562	rs3819968	T	G	-0.211	0.032	0.411	8.58E-11	-0.021	0.016	0.188	0.011	42.097	TRUE	3.67E-10
Non-allergic asthma	TP73	cg13914636	rs3765743	T	C	-0.314	0.023	0.487	2.63E-42	0.010	0.016	0.516	0.048	185.697	TRUE	1.45E-40
Non-allergic asthma	TP73	cg13914636	rs3765769	C	T	-0.349	0.062	0.035	1.93E-08	0.045	0.047	0.343	0.008	31.543	TRUE	5.01E-08
Non-allergic asthma	TP73	cg13943358	rs10910003	A	G	0.508	0.048	0.148	3.94E-26	-0.010	0.020	0.626	0.029	111.745	TRUE	3.05E-25
Non-allergic asthma	TP73	cg14159342	rs2208992	C	T	-0.139	0.024	0.420	9.27E-09	0.023	0.016	0.150	0.009	32.972	TRUE	3.47E-08
Non-allergic asthma	TP73	cg14159342	rs35837097	A	G	0.147	0.024	0.468	5.16E-10	-0.014	0.016	0.375	0.010	38.596	TRUE	1.47E-09
Non-allergic asthma	TP73	cg14159342	rs3765703	G	T	-0.262	0.024	0.426	4.33E-28	0.016	0.016	0.320	0.032	120.687	TRUE	7.86E-27
Non-allergic asthma	TP73	cg14159342	rs3765754	C	T	0.151	0.024	0.339	3.38E-10	-0.021	0.016	0.203	0.011	39.418	TRUE	1.32E-09
Non-allergic asthma	TP73	cg14159342	rs3765769	C	T	-0.354	0.062	0.035	1.32E-08	0.045	0.047	0.343	0.009	32.283	TRUE	3.47E-08
Non-allergic asthma	TP73	cg14660788	rs1122723	G	A	-0.295	0.024	0.426	3.73E-35	0.019	0.016	0.235	0.040	152.973	TRUE	1.99E-33
Non-allergic asthma	TP73	cg14660788	rs12032272	T	C	-0.269	0.047	0.164	8.39E-09	0.032	0.021	0.120	0.009	33.165	TRUE	3.42E-08
Non-allergic asthma	TP73	cg14660788	rs12757620	G	T	0.163	0.024	0.434	6.27E-12	-0.019	0.016	0.240	0.013	47.216	TRUE	2.69E-11
Non-allergic asthma	TP73	cg14660788	rs2146659	G	A	0.322	0.024	0.365	1.48E-40	0.002	0.016	0.881	0.046	177.684	TRUE	2.98E-39
Non-allergic asthma	TP73	cg15161371	rs3765736	T	C	0.134	0.024	0.376	2.25E-08	-0.010	0.016	0.540	0.008	31.251	TRUE	4.60E-08
Non-allergic asthma	TP73	cg16024523	rs1181880	T	C	-0.215	0.038	0.099	1.97E-08	0.026	0.025	0.298	0.008	31.509	TRUE	5.43E-08
Non-allergic asthma	TP73	cg16024523	rs3765753	T	G	0.339	0.025	0.289	8.50E-41	0.016	0.018	0.382	0.046	178.787	TRUE	5.59E-39
Non-allergic asthma	TP73	cg16024523	rs3819958	A	G	-0.220	0.027	0.252	2.09E-16	-0.019	0.018	0.300	0.018	67.483	TRUE	1.22E-15
Non-allergic asthma	TP73	cg17163168	rs12757620	G	T	0.257	0.024	0.434	2.47E-27	-0.019	0.016	0.240	0.031	117.232	TRUE	5.22E-26
Non-allergic asthma	TP73	cg17163168	rs2181484	A	G	-0.230	0.039	0.108	2.77E-09	-0.002	0.027	0.934	0.009	35.323	TRUE	4.12E-09
Non-allergic asthma	TP73	cg17163168	rs3765703	G	T	-0.462	0.023	0.426	1.65E-86	0.016	0.016	0.320	0.095	388.411	TRUE	2.01E-81
Non-allergic asthma	TP73	cg17471939	rs114270141	T	C	-0.384	0.066	0.032	5.07E-09	0.046	0.047	0.334	0.009	34.145	TRUE	1.40E-08
Non-allergic asthma	TP73	cg17471939	rs2181484	A	G	-0.220	0.039	0.108	1.31E-08	-0.002	0.027	0.934	0.009	32.302	TRUE	1.88E-08
Non-allergic asthma	TP73	cg17471939	rs3765695	A	C	-0.214	0.032	0.149	2.85E-11	0.011	0.022	0.617	0.012	44.254	TRUE	6.64E-11
Non-allergic asthma	TP73	cg17471939	rs3765703	G	T	-0.405	0.024	0.426	3.45E-66	0.016	0.016	0.320	0.074	295.157	TRUE	1.09E-62
Non-allergic asthma	TP73	cg17471939	rs4582730	G	A	0.133	0.024	0.380	4.46E-08	0.003	0.016	0.859	0.008	29.921	TRUE	6.66E-08
Non-allergic asthma	TP73	cg17471939	rs55728961	A	C	0.238	0.024	0.452	5.51E-24	-0.020	0.016	0.197	0.027	101.960	TRUE	9.29E-23
Non-allergic asthma	TP73	cg17804348	rs1181867	A	G	-0.155	0.028	0.219	3.05E-08	0.016	0.017	0.373	0.008	30.657	TRUE	7.47E-08
Non-allergic asthma	TP73	cg17804348	rs12757620	G	T	0.178	0.024	0.434	6.67E-14	-0.019	0.016	0.240	0.015	56.134	TRUE	3.47E-13
Non-allergic asthma	TP73	cg17804348	rs2251098	G	A	-0.218	0.039	0.108	1.72E-08	-0.002	0.027	0.938	0.009	31.766	TRUE	2.46E-08
Non-allergic asthma	TP73	cg17907911	rs3765739	G	A	-0.426	0.023	0.376	2.91E-74	-0.009	0.016	0.559	0.082	332.204	TRUE	1.49E-70
Non-allergic asthma	TP73	cg17919477	rs10910001	C	T	-0.315	0.058	0.045	4.60E-08	-0.018	0.036	0.620	0.008	29.863	TRUE	8.50E-08
Non-allergic asthma	TP73	cg17919477	rs2244942	C	T	-0.425	0.025	0.282	2.98E-64	0.020	0.017	0.218	0.072	286.276	TRUE	1.10E-60

Non-allergic asthma	TP73	cg17919477	rs36031771	G	A	-0.165	0.024	0.404	4.88E-12	0.012	0.016	0.451	0.013	47.707	TRUE	1.49E-11
Non-allergic asthma	TP73	cg17919477	rs6679556	T	A	-0.287	0.029	0.202	8.12E-24	0.032	0.020	0.113	0.027	101.193	TRUE	1.91E-22
Non-allergic asthma	TP73	cg17986341	rs1745813	T	C	-0.265	0.028	0.214	4.02E-21	0.015	0.018	0.388	0.023	88.914	TRUE	3.07E-20
Non-allergic asthma	TP73	cg17986341	rs6695978	A	G	0.378	0.059	0.040	2.12E-10	0.008	0.033	0.817	0.011	40.329	TRUE	3.77E-10
Non-allergic asthma	TP73	cg18279180	rs12033595	G	A	-0.647	0.046	0.164	1.38E-45	0.032	0.021	0.120	0.051	200.714	TRUE	5.23E-43
Non-allergic asthma	TP73	cg18279180	rs12126706	T	C	0.182	0.025	0.300	8.26E-13	-0.020	0.018	0.269	0.014	51.190	TRUE	3.64E-12
Non-allergic asthma	TP73	cg18279180	rs3765703	G	T	-0.192	0.024	0.426	9.15E-16	0.016	0.016	0.320	0.017	64.571	TRUE	4.83E-15
Non-allergic asthma	TP73	cg18279180	rs3765770	A	G	-0.612	0.062	0.035	5.43E-23	0.045	0.047	0.339	0.026	97.433	TRUE	5.53E-22
Non-allergic asthma	TP73	cg19688837	rs2096224	G	A	0.152	0.028	0.218	4.98E-08	0.013	0.018	0.446	0.008	29.710	TRUE	1.10E-07
Non-allergic asthma	TP73	cg19692322	rs3765754	C	T	-0.158	0.024	0.339	4.53E-11	-0.021	0.016	0.203	0.012	43.347	TRUE	1.93E-10
Non-allergic asthma	TP73	cg19819912	rs3765754	C	T	-0.137	0.024	0.339	1.08E-08	-0.021	0.016	0.203	0.009	32.679	TRUE	3.58E-08
Non-allergic asthma	TP73	cg20306863	rs10910003	A	G	0.393	0.048	0.148	4.54E-16	-0.010	0.020	0.626	0.018	65.952	TRUE	1.50E-15
Non-allergic asthma	TP73	cg20306863	rs12121865	A	G	0.545	0.074	0.058	1.29E-13	0.086	0.040	0.034	0.015	54.829	TRUE	1.51E-12
Non-allergic asthma	TP73	cg20306863	rs34868661	G	A	-0.256	0.024	0.364	1.52E-25	-0.004	0.016	0.807	0.029	109.073	TRUE	8.20E-25
Non-allergic asthma	TP73	cg20306863	rs6663736	C	T	-0.154	0.026	0.290	1.75E-09	0.027	0.016	0.094	0.010	36.215	TRUE	8.42E-09
Non-allergic asthma	TP73	cg20306863	rs7544357	A	G	0.155	0.026	0.288	2.75E-09	-0.005	0.017	0.792	0.009	35.331	TRUE	4.69E-09
Non-allergic asthma	TP73	cg20768358	rs10909975	C	A	0.191	0.032	0.174	1.57E-09	0.015	0.022	0.508	0.010	36.421	TRUE	3.65E-09
Non-allergic asthma	TP73	cg20768358	rs10909987	G	C	-0.300	0.025	0.340	4.43E-34	0.010	0.017	0.579	0.038	148.057	TRUE	8.27E-33
Non-allergic asthma	TP73	cg20768358	rs10910001	C	T	-0.449	0.058	0.045	1.47E-14	-0.018	0.036	0.620	0.016	59.102	TRUE	4.37E-14
Non-allergic asthma	TP73	cg20768358	rs10910003	A	G	0.502	0.048	0.148	1.92E-25	-0.010	0.020	0.626	0.029	108.610	TRUE	1.40E-24
Non-allergic asthma	TP73	cg20768358	rs12028205	T	G	-0.134	0.024	0.420	2.12E-08	0.016	0.016	0.320	0.008	31.365	TRUE	5.64E-08
Non-allergic asthma	TP73	cg20768358	rs12408890	C	T	-0.572	0.024	0.340	5.32E-126	0.025	0.016	0.121	0.133	569.801	TRUE	2.17E-116
Non-allergic asthma	TP73	cg20768358	rs1885868	C	T	-0.359	0.061	0.038	3.85E-09	0.008	0.033	0.800	0.009	34.678	TRUE	6.45E-09
Non-allergic asthma	TP73	cg21388339	rs12126706	T	C	-0.311	0.025	0.300	1.10E-34	-0.020	0.018	0.269	0.039	150.830	TRUE	4.90E-33
Non-allergic asthma	TP73	cg21388339	rs144666894	A	T	-0.387	0.067	0.029	7.03E-09	0.047	0.047	0.320	0.009	33.508	TRUE	1.96E-08
Non-allergic asthma	TP73	cg21388339	rs2273953	A	G	0.251	0.043	0.208	6.38E-09	0.027	0.021	0.188	0.009	33.698	TRUE	2.23E-08
Non-allergic asthma	TP73	cg21388339	rs3765698	C	T	0.262	0.044	0.072	2.10E-09	-0.032	0.033	0.330	0.010	35.855	TRUE	6.06E-09
Non-allergic asthma	TP73	cg21388339	rs3765732	G	A	1.116	0.043	0.161	2.84E-149	-0.007	0.025	0.769	0.155	676.742	TRUE	1.58E-138
Non-allergic asthma	TP73	cg21388339	rs3765758	G	A	0.152	0.024	0.440	1.41E-10	0.007	0.016	0.670	0.011	41.124	TRUE	2.95E-10
Non-allergic asthma	TP73	cg21388339	rs3765768	C	T	0.299	0.032	0.499	2.06E-20	0.004	0.016	0.806	0.023	85.687	TRUE	7.37E-20
Non-allergic asthma	TP73	cg21418707	rs3819959	C	T	-0.186	0.024	0.373	1.61E-14	-0.010	0.016	0.518	0.016	58.923	TRUE	5.49E-14
Non-allergic asthma	TP73	cg21827809	rs3765703	G	T	-0.227	0.024	0.426	1.97E-21	0.016	0.016	0.320	0.024	90.323	TRUE	1.80E-20
Non-allergic asthma	TP73	cg21827809	rs4648530	G	A	-0.156	0.028	0.226	2.57E-08	0.001	0.024	0.968	0.008	30.988	TRUE	3.54E-08
Non-allergic asthma	TP73	cg21827809	rs60206806	C	T	-0.533	0.030	0.175	3.92E-69	0.025	0.024	0.309	0.077	308.669	TRUE	2.11E-65
Non-allergic asthma	TP73	cg22039909	rs2254530	C	A	0.157	0.026	0.258	3.28E-09	0.014	0.017	0.384	0.009	34.992	TRUE	8.61E-09
Non-allergic asthma	TP73	cg22039909	rs41301973	A	G	0.509	0.059	0.040	6.95E-18	0.008	0.033	0.809	0.020	74.189	TRUE	2.05E-17
Non-allergic asthma	TP73	cg22048228	rs3765703	G	T	0.179	0.024	0.426	6.11E-14	0.016	0.016	0.320	0.015	56.305	TRUE	2.72E-13
Non-allergic asthma	TP73	cg22234529	rs12028205	T	G	-0.266	0.024	0.420	6.49E-29	0.016	0.016	0.320	0.033	124.449	TRUE	1.29E-27
Non-allergic asthma	TP73	cg22234529	rs35837097	A	G	0.147	0.024	0.468	4.98E-10	-0.014	0.016	0.375	0.010	38.664	TRUE	1.42E-09
Non-allergic asthma	TP73	cg22234529	rs3765754	C	T	0.204	0.024	0.339	1.40E-17	-0.021	0.016	0.203	0.019	72.816	TRUE	1.16E-16
Non-allergic asthma	TP73	cg22383924	rs3765703	G	T	-0.131	0.024	0.426	4.32E-08	0.016	0.016	0.320	0.008	29.983	TRUE	1.12E-07
Non-allergic asthma	TP73	cg23052055	rs1122723	G	A	-0.314	0.024	0.426	7.64E-40	0.019	0.016	0.235	0.045	174.420	TRUE	7.33E-38

Non-allergic asthma	TP73	cg23052055	rs12046074	T	C	-0.377	0.061	0.037	8.05E-10	0.008	0.033	0.805	0.010	37.727	TRUE	1.40E-09
Non-allergic asthma	TP73	cg23052055	rs3765695	A	C	-0.177	0.032	0.149	4.21E-08	0.011	0.022	0.617	0.008	30.033	TRUE	7.83E-08
Non-allergic asthma	TP73	cg23052055	rs55657548	T	C	0.516	0.030	0.178	1.96E-65	0.010	0.025	0.691	0.073	291.693	TRUE	1.63E-62
Non-allergic asthma	TP73	cg23052055	rs78340412	C	T	-0.327	0.047	0.158	4.38E-12	0.038	0.021	0.069	0.013	47.920	TRUE	3.25E-11
Non-allergic asthma	TP73	cg24356964	rs10752739	G	A	0.141	0.024	0.482	2.31E-09	-0.035	0.016	0.027	0.010	35.670	TRUE	1.61E-08
Non-allergic asthma	TP73	cg24356964	rs3765770	A	G	-0.421	0.062	0.035	1.28E-11	0.045	0.047	0.339	0.012	45.822	TRUE	4.45E-11
Non-allergic asthma	TP73	cg25352980	rs3765770	A	G	0.586	0.062	0.035	2.66E-21	0.045	0.047	0.339	0.024	89.730	TRUE	2.30E-20
Non-allergic asthma	TP73	cg26034538	rs2096224	G	A	0.198	0.028	0.218	1.82E-12	0.013	0.018	0.446	0.013	49.647	TRUE	5.78E-12
Non-allergic asthma	TP73	cg26055950	rs12757620	G	T	0.233	0.024	0.434	1.16E-22	-0.019	0.016	0.240	0.025	95.935	TRUE	1.47E-21
Non-allergic asthma	TP73	cg26055950	rs3765695	A	C	-0.207	0.032	0.149	1.34E-10	0.011	0.022	0.617	0.011	41.231	TRUE	2.97E-10
Non-allergic asthma	TP73	cg26055950	rs3765703	G	T	-0.391	0.024	0.426	1.50E-61	0.016	0.016	0.320	0.069	273.879	TRUE	2.25E-58
Non-allergic asthma	TP73	cg26105278	rs2208992	C	T	-0.179	0.024	0.420	1.34E-13	0.023	0.016	0.150	0.015	54.765	TRUE	8.55E-13
Non-allergic asthma	TP73	cg26105278	rs2244942	C	T	-0.158	0.026	0.282	1.23E-09	0.020	0.017	0.218	0.010	36.897	TRUE	4.38E-09
Non-allergic asthma	TP73	cg26105278	rs35837097	A	G	0.129	0.024	0.468	4.28E-08	-0.014	0.016	0.375	0.008	30.001	TRUE	1.03E-07
Non-allergic asthma	TP73	cg26105278	rs3765703	G	T	-0.167	0.024	0.426	3.38E-12	0.016	0.016	0.320	0.013	48.429	TRUE	1.28E-11
Non-allergic asthma	TP73	cg26105278	rs3765754	C	T	0.155	0.024	0.339	1.02E-10	-0.021	0.016	0.203	0.011	41.768	TRUE	4.17E-10
Non-allergic asthma	TP73	cg26208930	rs879622	A	G	0.138	0.024	0.364	1.83E-08	-0.004	0.016	0.820	0.008	31.655	TRUE	2.88E-08
Non-allergic asthma	TP73	cg26810690	rs4610947	A	C	-0.187	0.024	0.373	1.02E-14	-0.010	0.016	0.540	0.016	59.821	TRUE	3.42E-14
Non-allergic asthma	TP73	cg27055894	rs3765703	G	T	-0.260	0.024	0.426	7.02E-28	0.016	0.016	0.320	0.031	119.728	TRUE	1.25E-26
Non-allergic asthma	TP73	cg27564766	rs4648552	T	C	0.478	0.031	0.164	2.96E-53	0.008	0.020	0.685	0.060	235.850	TRUE	4.32E-51
Non-allergic asthma	TRIM14	cg01618660	rs41313315	T	C	-0.208	0.036	0.240	7.35E-09	0.025	0.020	0.215	0.009	33.422	TRUE	2.42E-08
Non-allergic asthma	TRIM14	cg01765174	rs10985211	T	C	0.199	0.034	0.146	3.10E-09	0.038	0.021	0.064	0.009	35.104	TRUE	1.64E-08
Non-allergic asthma	TRIM14	cg01765174	rs4742715	T	G	0.264	0.024	0.426	2.54E-29	0.010	0.017	0.534	0.033	126.313	TRUE	3.19E-28
Non-allergic asthma	TRIM14	cg01765174	rs7021160	C	A	-0.190	0.026	0.274	6.41E-13	0.001	0.020	0.972	0.014	51.691	TRUE	1.12E-12
Non-allergic asthma	TRIM14	cg01765174	rs72753522	T	C	0.232	0.038	0.101	9.39E-10	0.006	0.027	0.826	0.010	37.427	TRUE	1.59E-09
Non-allergic asthma	TRIM14	cg01765174	rs76378338	G	T	-0.262	0.047	0.129	2.52E-08	0.027	0.025	0.277	0.008	31.026	TRUE	7.10E-08
Non-allergic asthma	TRIM14	cg01765174	rs774121	T	C	0.196	0.027	0.236	3.03E-13	0.012	0.018	0.525	0.014	53.162	TRUE	9.19E-13
Non-allergic asthma	TRIM14	cg11317199	rs10985257	C	A	-0.157	0.027	0.247	7.47E-09	0.040	0.019	0.034	0.009	33.389	TRUE	4.52E-08
Non-allergic asthma	TRIM14	cg11317199	rs73492791	C	T	0.146	0.027	0.263	3.34E-08	-0.009	0.018	0.620	0.008	30.482	TRUE	6.24E-08
Non-allergic asthma	TRIM14	cg21157904	rs4412474	A	G	0.158	0.023	0.483	1.19E-11	0.010	0.016	0.541	0.012	45.959	TRUE	3.13E-11
Non-allergic asthma	TRIM14	cg21210642	rs10818646	C	T	0.186	0.026	0.292	4.50E-13	0.022	0.017	0.216	0.014	52.385	TRUE	2.28E-12
Non-allergic asthma	TRIM14	cg21210642	rs1156850	G	A	0.143	0.026	0.298	3.64E-08	-0.006	0.019	0.760	0.008	30.314	TRUE	5.96E-08
Non-allergic asthma	TRIM14	cg21210642	rs12238311	G	A	-0.700	0.051	0.141	2.13E-43	-0.021	0.020	0.287	0.049	190.697	TRUE	2.65E-41
Non-allergic asthma	TRIM14	cg21210642	rs142145656	A	G	0.699	0.111	0.029	2.86E-10	0.138	0.074	0.062	0.011	39.744	TRUE	1.75E-09
Non-allergic asthma	TRIM14	cg21210642	rs16914862	A	G	0.418	0.076	0.045	3.13E-08	0.003	0.026	0.896	0.008	30.610	TRUE	4.56E-08
Non-allergic asthma	TRIM14	cg21210642	rs2181583	A	G	0.456	0.049	0.063	6.50E-21	0.020	0.037	0.597	0.023	87.967	TRUE	3.33E-20
Non-allergic asthma	TRIM14	cg21210642	rs41274268	T	C	0.871	0.091	0.030	6.15E-22	-0.057	0.043	0.186	0.024	92.628	TRUE	8.61E-21
Non-allergic asthma	TRIM14	cg21210642	rs41313315	T	C	1.061	0.029	0.240	1.71E-302	0.025	0.020	0.215	0.272	1381.253	TRUE	1.09E-264
Non-allergic asthma	TRIM14	cg21210642	rs62575602	G	T	0.493	0.054	0.047	4.86E-20	0.063	0.049	0.198	0.022	83.992	TRUE	5.32E-19
Non-allergic asthma	TRIM14	cg21210642	rs7022262	T	C	0.443	0.033	0.342	1.56E-41	0.000	0.019	0.980	0.047	182.154	TRUE	2.86E-40
Non-allergic asthma	TRIM14	cg21210642	rs71501830	C	T	0.537	0.051	0.055	1.60E-25	-0.008	0.032	0.793	0.029	108.965	TRUE	8.85E-25
Non-allergic asthma	TRIM14	cg21210642	rs75153064	A	C	0.537	0.089	0.017	1.41E-09	0.000	0.055	0.996	0.010	36.639	TRUE	2.01E-09

Non-allergic asthma	TRIM14	cg21210642	rs76790287	C	T	-1.044	0.165	0.011	2.58E-10	-0.144	0.162	0.375	0.011	39.948	TRUE	7.56E-10
Non-allergic asthma	TRIM14	cg21210642	rs7847475	A	G	-0.337	0.033	0.156	3.87E-25	0.035	0.021	0.086	0.028	107.220	TRUE	1.25E-23
Non-allergic asthma	TRIM14	cg21210642	rs7848016	C	A	0.327	0.057	0.086	7.46E-09	-0.029	0.022	0.189	0.009	33.394	TRUE	2.59E-08
Non-allergic asthma	TRIM14	cg21210642	rs7865743	A	G	-0.303	0.055	0.095	4.06E-08	-0.001	0.030	0.966	0.008	30.106	TRUE	5.54E-08
Non-allergic asthma	TRIM14	cg21210642	rs7868004	C	T	0.245	0.038	0.107	6.94E-11	-0.014	0.026	0.596	0.011	42.512	TRUE	1.61E-10
Non-allergic asthma	TRIM14	cg21210642	rs7870926	G	A	0.199	0.023	0.499	1.58E-17	-0.006	0.016	0.681	0.019	72.565	TRUE	5.42E-17
Non-allergic asthma	TRIM14	cg21210642	rs958346	C	T	-0.136	0.025	0.352	3.23E-08	0.013	0.016	0.423	0.008	30.546	TRUE	7.43E-08
Non-allergic asthma	TRIM27	cg00259404	rs11752815	G	A	-0.250	0.043	0.080	4.96E-09	-0.010	0.039	0.795	0.009	34.188	TRUE	8.28E-09
Non-allergic asthma	TRIM27	cg00259404	rs209140	A	G	-0.277	0.026	0.247	8.39E-26	-0.003	0.018	0.852	0.029	110.249	TRUE	4.31E-25
Non-allergic asthma	TRIM27	cg01928896	rs3135321	G	A	0.162	0.023	0.491	3.99E-12	0.031	0.016	0.053	0.013	48.102	TRUE	3.28E-11
Non-allergic asthma	TRIM27	cg02465979	rs116042790	T	C	-1.572	0.112	0.011	6.22E-45	-0.016	0.065	0.807	0.051	197.721	TRUE	2.40E-43
Non-allergic asthma	TRIM27	cg02465979	rs140396177	G	A	-0.805	0.090	0.014	4.86E-19	-0.040	0.064	0.525	0.021	79.443	TRUE	2.38E-18
Non-allergic asthma	TRIM27	cg02639080	rs113000237	A	G	-0.553	0.041	0.083	2.25E-41	-0.013	0.039	0.746	0.047	181.428	TRUE	6.56E-40
Non-allergic asthma	TRIM27	cg02639080	rs114357009	A	G	-0.556	0.052	0.048	6.73E-27	-0.027	0.044	0.545	0.030	115.247	TRUE	6.52E-26
Non-allergic asthma	TRIM27	cg02639080	rs115318295	A	T	-0.686	0.025	0.254	2.53E-164	-0.002	0.018	0.910	0.168	745.915	TRUE	6.24E-152
Non-allergic asthma	TRIM27	cg02639080	rs1233387	T	C	-0.225	0.027	0.230	3.06E-16	0.022	0.020	0.260	0.018	66.729	TRUE	1.92E-15
Non-allergic asthma	TRIM27	cg02639080	rs16894128	G	A	0.223	0.035	0.131	1.78E-10	0.030	0.024	0.209	0.011	40.673	TRUE	7.02E-10
Non-allergic asthma	TRIM27	cg02639080	rs2859379	T	C	-0.444	0.068	0.027	6.26E-11	-0.125	0.070	0.073	0.011	42.715	TRUE	3.93E-10
Non-allergic asthma	TRIM27	cg02639080	rs3129791	A	G	0.401	0.037	0.115	9.13E-28	0.073	0.037	0.047	0.031	119.208	TRUE	5.81E-26
Non-allergic asthma	TRIM27	cg02639080	rs35604709	A	G	-0.528	0.048	0.062	1.22E-28	0.017	0.030	0.558	0.032	123.205	TRUE	1.36E-27
Non-allergic asthma	TRIM27	cg02639080	rs4084097	C	T	-0.261	0.046	0.068	1.98E-08	0.019	0.040	0.638	0.008	31.493	TRUE	3.70E-08
Non-allergic asthma	TRIM27	cg02639080	rs41316606	T	A	-0.450	0.070	0.031	1.45E-10	0.031	0.040	0.429	0.011	41.078	TRUE	4.02E-10
Non-allergic asthma	TRIM27	cg02639080	rs7750106	A	C	-0.362	0.055	0.046	6.99E-11	-0.054	0.039	0.164	0.011	42.498	TRUE	3.20E-10
Non-allergic asthma	TRIM27	cg03246690	rs115493717	A	G	-0.535	0.096	0.016	2.30E-08	-0.017	0.050	0.736	0.008	31.205	TRUE	3.90E-08
Non-allergic asthma	TRIM27	cg03270340	rs1233387	T	C	0.152	0.028	0.230	3.28E-08	0.022	0.020	0.260	0.008	30.519	TRUE	9.37E-08
Non-allergic asthma	TRIM27	cg03270340	rs2531805	C	T	0.228	0.023	0.486	1.78E-22	0.003	0.016	0.841	0.025	95.085	TRUE	7.09E-22
Non-allergic asthma	TRIM27	cg03270340	rs3094574	A	G	0.193	0.024	0.437	4.42E-16	0.008	0.016	0.603	0.018	66.003	TRUE	1.51E-15
Non-allergic asthma	TRIM27	cg03270340	rs3128871	C	T	0.181	0.027	0.257	1.91E-11	0.761	0.363	0.036	0.012	45.033	TRUE	1.63E-10
Non-allergic asthma	TRIM27	cg03270340	rs3129791	A	G	-1.059	0.035	0.115	2.87E-204	0.073	0.037	0.047	0.201	929.556	TRUE	2.42E-183
Non-allergic asthma	TRIM27	cg03270340	rs9257572	T	G	-0.279	0.024	0.426	1.91E-32	0.047	0.016	0.004	0.037	140.579	TRUE	8.05E-30
Non-allergic asthma	TRIM27	cg04835383	rs115318295	A	T	-0.200	0.026	0.254	1.19E-14	-0.002	0.018	0.910	0.016	59.519	TRUE	2.48E-14
Non-allergic asthma	TRIM27	cg05216056	rs115451991	A	C	-0.829	0.110	0.013	4.66E-14	0.484	0.415	0.244	0.015	56.838	TRUE	2.45E-13
Non-allergic asthma	TRIM27	cg05216056	rs115537782	A	G	-0.841	0.101	0.013	6.18E-17	0.027	0.046	0.561	0.019	69.880	TRUE	2.40E-16
Non-allergic asthma	TRIM27	cg05216056	rs172164	G	A	-0.401	0.055	0.042	2.90E-13	-0.036	0.034	0.289	0.014	53.244	TRUE	1.28E-12
Non-allergic asthma	TRIM27	cg05216056	rs202145819	G	A	-0.523	0.094	0.018	2.41E-08	-0.102	0.093	0.273	0.008	31.115	TRUE	6.84E-08
Non-allergic asthma	TRIM27	cg05216056	rs209140	A	G	-0.927	0.023	0.247	<1E-200	-0.003	0.018	0.852	0.310	1663.720	TRUE	<1E-200
Non-allergic asthma	TRIM27	cg05216056	rs213231	T	G	-0.530	0.052	0.051	5.96E-24	-0.004	0.035	0.907	0.027	101.806	TRUE	2.41E-23
Non-allergic asthma	TRIM27	cg05216056	rs2253518	G	A	0.253	0.032	0.157	4.41E-15	-0.071	0.018	8.07E-05	0.016	61.476	TRUE	3.29E-13
Non-allergic asthma	TRIM27	cg05216056	rs2859379	T	C	-0.552	0.068	0.027	4.43E-16	-0.125	0.070	0.073	0.018	66.000	TRUE	5.21E-15
Non-allergic asthma	TRIM27	cg05216056	rs35604709	A	G	-0.588	0.047	0.062	3.17E-35	0.017	0.030	0.558	0.040	153.296	TRUE	7.00E-34
Non-allergic asthma	TRIM27	cg05216056	rs36050447	T	C	-0.615	0.076	0.025	8.66E-16	0.043	0.041	0.298	0.017	64.678	TRUE	4.79E-15
Non-allergic asthma	TRIM27	cg05216056	rs388017	T	C	0.375	0.063	0.035	2.52E-09	-0.053	0.021	0.012	0.010	35.503	TRUE	2.17E-08

Non-allergic asthma	TRIM27	cg05216056	rs4947263	T	C	0.490	0.036	0.118	1.15E-41	0.069	0.037	0.061	0.047	182.771	TRUE	4.18E-39
Non-allergic asthma	TRIM27	cg05216056	rs55740552	G	T	-0.613	0.048	0.060	1.46E-37	-0.019	0.042	0.656	0.042	163.981	TRUE	3.37E-36
Non-allergic asthma	TRIM27	cg05216056	rs6933976	A	G	-0.354	0.028	0.223	6.02E-37	0.043	0.017	0.013	0.042	161.169	TRUE	2.77E-34
Non-allergic asthma	TRIM27	cg05216056	rs73396583	C	T	-0.651	0.038	0.097	8.91E-67	-0.013	0.036	0.729	0.075	297.856	TRUE	8.19E-64
Non-allergic asthma	TRIM27	cg05216056	rs75524239	C	T	-0.277	0.038	0.104	5.68E-13	0.013	0.034	0.697	0.014	51.926	TRUE	1.36E-12
Non-allergic asthma	TRIM27	cg05314350	rs115318295	A	T	-0.343	0.026	0.254	5.56E-40	-0.002	0.018	0.910	0.045	175.052	TRUE	9.92E-39
Non-allergic asthma	TRIM27	cg05314350	rs1535039	C	T	0.212	0.036	0.118	5.32E-09	0.068	0.036	0.062	0.009	34.049	TRUE	2.77E-08
Non-allergic asthma	TRIM27	cg05314350	rs2859358	A	T	-0.230	0.032	0.163	3.49E-13	0.033	0.020	0.105	0.014	52.884	TRUE	2.49E-12
Non-allergic asthma	TRIM27	cg07162905	rs1029328	C	T	0.194	0.034	0.135	1.46E-08	0.024	0.024	0.300	0.009	32.094	TRUE	4.05E-08
Non-allergic asthma	TRIM27	cg07162905	rs115318295	A	T	-0.624	0.025	0.254	4.10E-134	-0.002	0.018	0.910	0.141	607.080	TRUE	2.28E-125
Non-allergic asthma	TRIM27	cg07162905	rs117929666	C	G	-0.465	0.080	0.022	6.19E-09	0.021	0.051	0.686	0.009	33.757	TRUE	1.14E-08
Non-allergic asthma	TRIM27	cg07162905	rs1233388	G	A	-0.209	0.030	0.183	1.85E-12	0.021	0.021	0.308	0.013	49.613	TRUE	7.31E-12
Non-allergic asthma	TRIM27	cg07162905	rs209139	A	C	-0.490	0.049	0.057	6.37E-24	-0.029	0.042	0.481	0.027	101.672	TRUE	5.26E-23
Non-allergic asthma	TRIM27	cg07162905	rs213232	G	A	-0.144	0.024	0.381	2.52E-09	0.025	0.017	0.144	0.010	35.503	TRUE	1.02E-08
Non-allergic asthma	TRIM27	cg07162905	rs2859379	T	C	-0.449	0.068	0.027	3.64E-11	-0.125	0.070	0.073	0.012	43.773	TRUE	2.36E-10
Non-allergic asthma	TRIM27	cg07162905	rs35604709	A	G	-0.357	0.048	0.062	6.76E-14	0.017	0.030	0.558	0.015	56.108	TRUE	2.07E-13
Non-allergic asthma	TRIM27	cg07162905	rs41316606	T	A	-0.589	0.070	0.031	3.43E-17	0.031	0.040	0.429	0.019	71.040	TRUE	1.69E-16
Non-allergic asthma	TRIM27	cg07162905	rs79130209	A	G	-0.471	0.066	0.030	1.16E-12	-0.024	0.103	0.816	0.013	50.532	TRUE	2.37E-12
Non-allergic asthma	TRIM27	cg08125020	rs115318295	A	T	-0.518	0.026	0.254	2.03E-91	-0.002	0.018	0.910	0.100	410.960	TRUE	7.89E-87
Non-allergic asthma	TRIM27	cg08125020	rs117929666	C	G	-0.572	0.080	0.022	6.33E-13	0.021	0.051	0.686	0.014	51.714	TRUE	1.53E-12
Non-allergic asthma	TRIM27	cg08125020	rs2859379	T	C	-0.371	0.068	0.027	3.94E-08	-0.125	0.070	0.073	0.008	30.163	TRUE	1.73E-07
Non-allergic asthma	TRIM27	cg08125020	rs35604709	A	G	-0.333	0.048	0.062	2.59E-12	0.017	0.030	0.558	0.013	48.947	TRUE	7.02E-12
Non-allergic asthma	TRIM27	cg08125020	rs388017	T	C	0.350	0.062	0.035	2.02E-08	-0.053	0.021	0.012	0.008	31.455	TRUE	1.51E-07
Non-allergic asthma	TRIM27	cg08125020	rs55740552	G	T	-0.289	0.048	0.060	1.80E-09	-0.019	0.042	0.656	0.010	36.161	TRUE	3.54E-09
Non-allergic asthma	TRIM27	cg08125020	rs67998226	C	T	0.243	0.037	0.113	3.03E-11	0.072	0.037	0.051	0.012	44.133	TRUE	2.25E-10
Non-allergic asthma	TRIM27	cg08125020	rs6933976	A	G	-0.197	0.028	0.223	1.73E-12	0.043	0.017	0.013	0.013	49.746	TRUE	2.33E-11
Non-allergic asthma	TRIM27	cg08125020	rs7742858	T	C	-0.375	0.041	0.083	1.06E-19	-0.017	0.039	0.667	0.022	82.449	TRUE	4.40E-19
Non-allergic asthma	TRIM27	cg09292581	rs3129793	A	G	-0.127	0.023	0.490	3.68E-08	0.036	0.016	0.025	0.008	30.297	TRUE	2.18E-07
Non-allergic asthma	TRIM27	cg09409585	rs113000237	A	G	-0.365	0.041	0.083	9.36E-19	-0.013	0.039	0.746	0.021	78.147	TRUE	3.21E-18
Non-allergic asthma	TRIM27	cg09409585	rs114357009	A	G	-0.328	0.052	0.048	3.02E-10	-0.027	0.044	0.545	0.011	39.640	TRUE	7.09E-10
Non-allergic asthma	TRIM27	cg09409585	rs35403242	A	G	-0.348	0.048	0.063	2.57E-13	0.018	0.030	0.556	0.014	53.482	TRUE	7.54E-13
Non-allergic asthma	TRIM27	cg09409585	rs41316606	T	A	-0.383	0.070	0.031	4.67E-08	0.031	0.040	0.429	0.008	29.832	TRUE	1.05E-07
Non-allergic asthma	TRIM27	cg09409585	rs6904975	A	G	-0.421	0.024	0.364	4.81E-71	0.018	0.016	0.255	0.079	317.434	TRUE	4.63E-67
Non-allergic asthma	TRIM27	cg09444060	rs115318295	A	T	-0.275	0.026	0.254	8.89E-27	-0.002	0.018	0.910	0.030	114.696	TRUE	4.51E-26
Non-allergic asthma	TRIM27	cg09855662	rs13437444	T	C	-0.199	0.029	0.213	7.23E-12	0.049	0.022	0.029	0.013	46.939	TRUE	7.05E-11
Non-allergic asthma	TRIM27	cg09855662	rs35560946	T	C	-0.306	0.025	0.303	1.64E-33	0.027	0.019	0.143	0.038	145.460	TRUE	1.07E-31
Non-allergic asthma	TRIM27	cg09855662	rs6904975	A	G	-0.163	0.024	0.364	1.42E-11	0.018	0.016	0.255	0.012	45.620	TRUE	5.69E-11
Non-allergic asthma	TRIM27	cg10401017	rs1029328	C	T	0.262	0.034	0.135	2.01E-14	0.024	0.024	0.300	0.016	58.494	TRUE	9.70E-14
Non-allergic asthma	TRIM27	cg10401017	rs115451991	A	C	-0.928	0.110	0.013	2.84E-17	0.484	0.415	0.244	0.019	71.411	TRUE	2.06E-16
Non-allergic asthma	TRIM27	cg10401017	rs115537782	A	G	-0.876	0.101	0.013	3.03E-18	0.027	0.046	0.561	0.020	75.827	TRUE	1.31E-17
Non-allergic asthma	TRIM27	cg10401017	rs202145819	G	A	-0.555	0.094	0.018	3.11E-09	-0.102	0.093	0.273	0.009	35.093	TRUE	9.63E-09
Non-allergic asthma	TRIM27	cg10401017	rs209140	A	G	-1.063	0.020	0.247	<1E-200	-0.003	0.018	0.852	0.434	2835.038	TRUE	<1E-200

Non-allergic asthma	TRIM27	cg10401017	rs213231	T	G	-0.656	0.052	0.051	4.91E-36	-0.004	0.035	0.907	0.041	156.997	TRUE	5.86E-35
Non-allergic asthma	TRIM27	cg10401017	rs2253518	G	A	0.291	0.032	0.157	1.46E-19	-0.071	0.018	8.07E-05	0.022	81.813	TRUE	2.54E-17
Non-allergic asthma	TRIM27	cg10401017	rs2859379	T	C	-0.658	0.068	0.027	2.63E-22	-0.125	0.070	0.073	0.025	94.307	TRUE	6.58E-21
Non-allergic asthma	TRIM27	cg10401017	rs3135316	G	A	0.493	0.037	0.116	1.97E-41	0.070	0.037	0.057	0.047	181.696	TRUE	7.25E-39
Non-allergic asthma	TRIM27	cg10401017	rs35604709	A	G	-0.721	0.047	0.062	1.07E-52	0.017	0.030	0.558	0.059	233.297	TRUE	2.01E-50
Non-allergic asthma	TRIM27	cg10401017	rs36050447	T	C	-0.669	0.076	0.025	1.79E-18	0.043	0.041	0.298	0.020	76.863	TRUE	1.29E-17
Non-allergic asthma	TRIM27	cg10401017	rs388017	T	C	0.424	0.063	0.035	1.48E-11	-0.053	0.021	0.012	0.012	45.530	TRUE	1.81E-10
Non-allergic asthma	TRIM27	cg10401017	rs55740552	G	T	-0.663	0.048	0.060	8.20E-44	-0.019	0.042	0.656	0.049	192.593	TRUE	3.87E-42
Non-allergic asthma	TRIM27	cg10401017	rs62401446	A	G	-0.581	0.092	0.019	3.13E-10	0.032	0.037	0.392	0.011	39.573	TRUE	8.88E-10
Non-allergic asthma	TRIM27	cg10401017	rs6933976	A	G	-0.397	0.028	0.223	2.78E-46	0.043	0.017	0.013	0.052	203.906	TRUE	5.49E-43
Non-allergic asthma	TRIM27	cg10401017	rs72846802	G	A	0.306	0.053	0.058	9.83E-09	0.038	0.032	0.240	0.009	32.858	TRUE	3.06E-08
Non-allergic asthma	TRIM27	cg10401017	rs73396583	C	T	-0.759	0.037	0.097	2.73E-91	-0.013	0.036	0.729	0.100	410.368	TRUE	1.81E-86
Non-allergic asthma	TRIM27	cg10401017	rs75524239	C	T	-0.320	0.038	0.104	7.96E-17	0.013	0.034	0.697	0.018	69.382	TRUE	2.53E-16
Non-allergic asthma	TRIM27	cg10401017	rs77074408	A	T	0.616	0.112	0.011	3.75E-08	-0.033	0.056	0.557	0.008	30.256	TRUE	7.43E-08
Non-allergic asthma	TRIM27	cg10401017	rs9348782	A	G	-0.438	0.051	0.050	1.54E-17	0.023	0.027	0.394	0.019	72.622	TRUE	8.30E-17
Non-allergic asthma	TRIM27	cg10718056	rs115318295	A	T	-0.279	0.026	0.254	2.50E-27	-0.002	0.018	0.910	0.031	117.209	TRUE	1.33E-26
Non-allergic asthma	TRIM27	cg10718056	rs16893552	A	G	-0.256	0.042	0.079	1.41E-09	-0.011	0.039	0.789	0.010	36.638	TRUE	2.45E-09
Non-allergic asthma	TRIM27	cg10718056	rs35604709	A	G	-0.293	0.047	0.062	5.09E-10	0.017	0.030	0.558	0.010	38.623	TRUE	1.16E-09
Non-allergic asthma	TRIM27	cg10718056	rs6933976	A	G	-0.172	0.028	0.223	5.45E-10	0.043	0.017	0.013	0.010	38.489	TRUE	5.03E-09
Non-allergic asthma	TRIM27	cg11073024	rs1029328	C	T	-0.297	0.034	0.135	3.36E-18	0.024	0.024	0.300	0.020	75.627	TRUE	2.33E-17
Non-allergic asthma	TRIM27	cg11073024	rs115486666	A	C	-0.516	0.076	0.027	1.06E-11	0.036	0.046	0.435	0.012	46.188	TRUE	3.21E-11
Non-allergic asthma	TRIM27	cg11073024	rs115651187	G	C	-0.392	0.044	0.085	4.03E-19	-0.054	0.032	0.092	0.021	79.809	TRUE	6.12E-18
Non-allergic asthma	TRIM27	cg11073024	rs117929666	C	G	0.461	0.080	0.022	8.55E-09	0.021	0.051	0.686	0.009	33.129	TRUE	1.56E-08
Non-allergic asthma	TRIM27	cg11073024	rs149952	T	C	0.331	0.051	0.047	1.27E-10	0.008	0.027	0.779	0.011	41.325	TRUE	2.38E-10
Non-allergic asthma	TRIM27	cg11073024	rs1794587	C	A	0.730	0.022	0.491	4.15E-246	0.034	0.016	0.035	0.233	1121.943	TRUE	8.34E-218
Non-allergic asthma	TRIM27	cg11073024	rs2071966	G	T	0.363	0.041	0.086	8.98E-19	0.017	0.025	0.509	0.021	78.229	TRUE	4.42E-18
Non-allergic asthma	TRIM27	cg11073024	rs2074466	A	C	0.273	0.033	0.147	1.01E-16	0.012	0.023	0.596	0.018	68.918	TRUE	3.65E-16
Non-allergic asthma	TRIM27	cg11073024	rs2232428	T	C	0.464	0.036	0.105	5.19E-37	-0.046	0.035	0.199	0.042	161.464	TRUE	4.02E-35
Non-allergic asthma	TRIM27	cg11073024	rs2523422	A	G	-0.254	0.027	0.252	9.96E-21	-0.022	0.016	0.164	0.023	87.123	TRUE	1.32E-19
Non-allergic asthma	TRIM27	cg11073024	rs66487884	G	C	0.264	0.040	0.101	4.89E-11	0.026	0.027	0.326	0.012	43.197	TRUE	1.65E-10
Non-allergic asthma	TRIM27	cg11073024	rs6920512	G	A	-0.286	0.045	0.070	1.41E-10	-0.039	0.020	0.047	0.011	41.128	TRUE	9.81E-10
Non-allergic asthma	TRIM27	cg11073024	rs72831442	G	A	0.259	0.044	0.072	5.31E-09	-0.020	0.040	0.615	0.009	34.053	TRUE	1.06E-08
Non-allergic asthma	TRIM27	cg11073024	rs9257331	A	G	0.399	0.037	0.114	2.57E-27	0.071	0.037	0.053	0.031	117.154	TRUE	1.44E-25
Non-allergic asthma	TRIM27	cg11073024	rs9257448	G	A	0.381	0.047	0.068	5.19E-16	0.033	0.023	0.145	0.017	65.689	TRUE	4.38E-15
Non-allergic asthma	TRIM27	cg11886965	rs1029328	C	T	0.193	0.034	0.135	1.76E-08	0.024	0.024	0.300	0.009	31.729	TRUE	4.85E-08
Non-allergic asthma	TRIM27	cg11886965	rs114289137	A	C	-0.432	0.066	0.030	6.73E-11	-0.023	0.103	0.828	0.011	42.573	TRUE	1.22E-10
Non-allergic asthma	TRIM27	cg11886965	rs115318295	A	T	-0.651	0.025	0.254	1.67E-146	-0.002	0.018	0.910	0.152	664.019	TRUE	2.48E-136
Non-allergic asthma	TRIM27	cg11886965	rs116042790	T	C	0.851	0.113	0.011	5.86E-14	-0.016	0.065	0.807	0.015	56.386	TRUE	1.32E-13
Non-allergic asthma	TRIM27	cg11886965	rs117929666	C	G	-0.511	0.080	0.022	1.75E-10	0.021	0.051	0.686	0.011	40.704	TRUE	3.58E-10
Non-allergic asthma	TRIM27	cg11886965	rs209139	A	C	-0.506	0.049	0.057	2.57E-25	-0.029	0.042	0.481	0.028	108.030	TRUE	2.43E-24
Non-allergic asthma	TRIM27	cg11886965	rs2859379	T	C	-0.388	0.068	0.027	1.17E-08	-0.125	0.070	0.073	0.009	32.523	TRUE	5.50E-08
Non-allergic asthma	TRIM27	cg11886965	rs56299902	G	A	-0.551	0.061	0.035	2.96E-19	0.021	0.057	0.714	0.021	80.420	TRUE	1.11E-18

Non-allergic asthma	TRIM27	cg11886965	rs731132	G	T	0.156	0.025	0.392	1.85E-10	0.027	0.016	0.093	0.011	40.594	TRUE	1.01E-09
Non-allergic asthma	TRIM27	cg11886965	rs9283885	A	G	-0.210	0.028	0.213	1.38E-13	0.047	0.017	0.006	0.015	54.709	TRUE	2.72E-12
Non-allergic asthma	TRIM27	cg12896170	rs1029328	C	T	0.215	0.034	0.135	3.67E-10	0.024	0.024	0.300	0.011	39.259	TRUE	1.19E-09
Non-allergic asthma	TRIM27	cg12896170	rs114124258	T	C	-0.511	0.065	0.031	2.97E-15	-0.019	0.103	0.853	0.017	62.250	TRUE	6.91E-15
Non-allergic asthma	TRIM27	cg12896170	rs115318295	A	T	-0.670	0.025	0.254	1.59E-156	-0.002	0.018	0.910	0.161	710.076	TRUE	3.96E-145
Non-allergic asthma	TRIM27	cg12896170	rs1233387	T	C	-0.230	0.027	0.230	6.62E-17	0.022	0.020	0.260	0.019	69.747	TRUE	4.44E-16
Non-allergic asthma	TRIM27	cg12896170	rs209139	A	C	-0.509	0.049	0.057	1.46E-25	-0.029	0.042	0.481	0.029	109.145	TRUE	1.41E-24
Non-allergic asthma	TRIM27	cg12896170	rs3135316	G	A	0.261	0.037	0.116	1.63E-12	0.070	0.037	0.057	0.013	49.858	TRUE	1.37E-11
Non-allergic asthma	TRIM27	cg12896170	rs35604709	A	G	-0.488	0.048	0.062	1.14E-24	0.017	0.030	0.558	0.028	105.077	TRUE	8.73E-24
Non-allergic asthma	TRIM27	cg12896170	rs41316606	T	A	-0.486	0.070	0.031	4.02E-12	0.031	0.040	0.429	0.013	48.091	TRUE	1.27E-11
Non-allergic asthma	TRIM27	cg12896170	rs76683848	C	G	0.612	0.109	0.011	1.94E-08	-0.032	0.056	0.573	0.008	31.539	TRUE	3.86E-08
Non-allergic asthma	TRIM27	cg12896170	rs77983937	G	A	-0.473	0.066	0.031	1.13E-12	-0.007	0.047	0.885	0.013	50.571	TRUE	2.15E-12
Non-allergic asthma	TRIM27	cg13060704	rs6904975	A	G	-0.221	0.024	0.364	4.72E-20	0.018	0.016	0.255	0.022	84.046	TRUE	4.40E-19
Non-allergic asthma	TRIM27	cg14059339	rs55740552	G	T	-0.282	0.048	0.060	3.30E-09	-0.019	0.042	0.656	0.009	34.977	TRUE	6.38E-09
Non-allergic asthma	TRIM27	cg15613012	rs113000237	A	G	-0.257	0.041	0.083	5.49E-10	-0.013	0.039	0.746	0.010	38.475	TRUE	1.02E-09
Non-allergic asthma	TRIM27	cg15613012	rs114357009	A	G	-0.288	0.052	0.048	3.13E-08	-0.027	0.044	0.545	0.008	30.608	TRUE	6.31E-08
Non-allergic asthma	TRIM27	cg15613012	rs115318295	A	T	-0.399	0.026	0.254	1.83E-53	-0.002	0.018	0.910	0.060	236.811	TRUE	1.60E-51
Non-allergic asthma	TRIM27	cg15613012	rs35604709	A	G	-0.384	0.048	0.062	6.46E-16	0.017	0.030	0.558	0.017	65.257	TRUE	2.32E-15
Non-allergic asthma	TRIM27	cg16061301	rs113000237	A	G	-0.367	0.041	0.083	6.40E-19	-0.013	0.039	0.746	0.021	78.898	TRUE	2.23E-18
Non-allergic asthma	TRIM27	cg16061301	rs114357009	A	G	-0.450	0.052	0.048	4.43E-18	-0.027	0.044	0.545	0.020	75.081	TRUE	1.94E-17
Non-allergic asthma	TRIM27	cg16061301	rs115318295	A	T	-0.736	0.023	0.254	5.57E-233	-0.002	0.018	0.910	0.223	1061.573	TRUE	2.76E-210
Non-allergic asthma	TRIM27	cg16061301	rs117929666	C	G	-0.562	0.080	0.022	2.24E-12	0.021	0.051	0.686	0.013	49.239	TRUE	5.21E-12
Non-allergic asthma	TRIM27	cg16061301	rs1233387	T	C	-0.161	0.028	0.230	4.84E-09	0.022	0.020	0.260	0.009	34.236	TRUE	1.50E-08
Non-allergic asthma	TRIM27	cg16061301	rs13437444	T	C	0.282	0.029	0.213	2.04E-22	0.049	0.022	0.029	0.025	94.815	TRUE	8.17E-21
Non-allergic asthma	TRIM27	cg16061301	rs35604709	A	G	-0.410	0.048	0.062	6.92E-18	0.017	0.030	0.558	0.020	74.200	TRUE	2.92E-17
Non-allergic asthma	TRIM27	cg16061301	rs41316606	T	A	-0.558	0.070	0.031	1.47E-15	0.031	0.040	0.429	0.017	63.640	TRUE	6.25E-15
Non-allergic asthma	TRIM27	cg16061301	rs6936343	T	C	0.243	0.042	0.092	5.29E-09	0.048	0.025	0.051	0.009	34.061	TRUE	2.91E-08
Non-allergic asthma	TRIM27	cg16754082	rs13437444	T	C	0.207	0.029	0.213	1.16E-12	0.049	0.022	0.029	0.013	50.523	TRUE	1.26E-11
Non-allergic asthma	TRIM27	cg16754082	rs209140	A	G	-0.505	0.026	0.247	3.04E-84	-0.003	0.018	0.852	0.093	378.012	TRUE	3.70E-80
Non-allergic asthma	TRIM27	cg16754082	rs41316606	T	A	-0.476	0.070	0.031	1.03E-11	0.031	0.040	0.429	0.012	46.254	TRUE	3.14E-11
Non-allergic asthma	TRIM27	cg16754082	rs55740552	G	T	-0.263	0.048	0.060	4.96E-08	-0.019	0.042	0.656	0.008	29.715	TRUE	8.85E-08
Non-allergic asthma	TRIM27	cg16754082	rs56299902	G	A	-0.481	0.061	0.035	5.54E-15	0.021	0.057	0.714	0.016	61.027	TRUE	1.50E-14
Non-allergic asthma	TRIM27	cg16754082	rs73396583	C	T	-0.253	0.038	0.097	4.39E-11	-0.013	0.036	0.729	0.012	43.409	TRUE	8.92E-11
Non-allergic asthma	TRIM27	cg17666981	rs115196926	T	C	0.485	0.043	0.082	6.79E-29	0.046	0.025	0.064	0.033	124.362	TRUE	4.20E-27
Non-allergic asthma	TRIM27	cg17666981	rs115486666	A	C	0.494	0.076	0.027	8.24E-11	0.036	0.046	0.435	0.011	42.178	TRUE	2.32E-10
Non-allergic asthma	TRIM27	cg17666981	rs115651187	G	C	0.433	0.044	0.085	6.50E-23	-0.054	0.032	0.092	0.026	97.074	TRUE	1.55E-21
Non-allergic asthma	TRIM27	cg17666981	rs117929666	C	G	-0.995	0.080	0.022	6.86E-36	0.021	0.051	0.686	0.041	156.334	TRUE	1.24E-34
Non-allergic asthma	TRIM27	cg17666981	rs12199114	C	G	0.472	0.060	0.037	4.80E-15	-0.046	0.021	0.029	0.016	61.307	TRUE	7.19E-14
Non-allergic asthma	TRIM27	cg17666981	rs149957	T	G	-0.579	0.045	0.062	7.28E-38	-0.004	0.027	0.897	0.043	165.366	TRUE	1.07E-36
Non-allergic asthma	TRIM27	cg17666981	rs16894128	G	A	0.460	0.035	0.131	3.48E-40	0.030	0.024	0.209	0.045	175.982	TRUE	3.88E-38
Non-allergic asthma	TRIM27	cg17666981	rs184654684	G	A	0.432	0.079	0.025	4.06E-08	0.024	0.064	0.707	0.008	30.105	TRUE	6.94E-08
Non-allergic asthma	TRIM27	cg17666981	rs3117193	T	C	0.279	0.024	0.394	1.33E-30	0.005	0.017	0.778	0.034	132.167	TRUE	1.19E-29

Non-allergic asthma	TRIM27	cg17666981	rs3135316	G	A	-0.731	0.036	0.116	1.59E-91	0.070	0.037	0.057	0.100	411.449	TRUE	4.55E-85
Non-allergic asthma	TRIM27	cg17666981	rs362521	T	C	-0.436	0.047	0.063	8.56E-21	-0.094	0.050	0.062	0.023	87.422	TRUE	1.94E-19
Non-allergic asthma	TRIM27	cg17666981	rs56295386	T	C	-0.615	0.036	0.105	5.76E-65	-0.048	0.035	0.178	0.073	289.550	TRUE	3.01E-61
Non-allergic asthma	TRIM27	cg17666981	rs62402370	C	G	-0.629	0.041	0.086	1.82E-53	0.018	0.025	0.479	0.060	236.816	TRUE	4.77E-51
Non-allergic asthma	TRIM27	cg17666981	rs731132	G	T	0.242	0.024	0.392	4.62E-23	0.027	0.016	0.093	0.026	97.752	TRUE	1.11E-21
Non-allergic asthma	TRIM27	cg17666981	rs7765791	C	T	-0.514	0.080	0.022	1.32E-10	-0.018	0.058	0.750	0.011	41.254	TRUE	2.55E-10
Non-allergic asthma	TRIM27	cg17666981	rs9257460	A	G	-0.663	0.051	0.054	4.79E-38	0.045	0.024	0.063	0.043	166.197	TRUE	1.02E-35
Non-allergic asthma	TRIM27	cg17666981	rs9348792	T	C	0.362	0.062	0.039	6.73E-09	0.022	0.043	0.609	0.009	33.594	TRUE	1.33E-08
Non-allergic asthma	TRIM27	cg18844029	rs114383434	C	T	-0.693	0.059	0.037	7.92E-32	-0.084	0.104	0.419	0.036	137.761	TRUE	1.67E-30
Non-allergic asthma	TRIM27	cg18844029	rs114799031	T	A	-0.575	0.083	0.022	5.46E-12	0.040	0.032	0.216	0.013	47.489	TRUE	2.48E-11
Non-allergic asthma	TRIM27	cg18844029	rs115537782	A	G	-0.959	0.100	0.013	1.38E-21	0.027	0.046	0.561	0.024	91.027	TRUE	7.97E-21
Non-allergic asthma	TRIM27	cg18844029	rs115651187	G	C	0.320	0.044	0.085	3.38E-13	-0.054	0.032	0.092	0.014	52.948	TRUE	2.56E-12
Non-allergic asthma	TRIM27	cg18844029	rs117929666	C	G	-0.940	0.080	0.022	3.15E-32	0.021	0.051	0.686	0.036	139.590	TRUE	3.92E-31
Non-allergic asthma	TRIM27	cg18844029	rs13437444	T	C	0.364	0.029	0.213	3.26E-36	0.049	0.022	0.029	0.041	157.809	TRUE	8.81E-34
Non-allergic asthma	TRIM27	cg18844029	rs149356531	G	C	-0.361	0.058	0.045	5.21E-10	0.015	0.039	0.711	0.010	38.574	TRUE	1.01E-09
Non-allergic asthma	TRIM27	cg18844029	rs16894128	G	A	0.380	0.035	0.131	8.99E-28	0.030	0.024	0.209	0.031	119.239	TRUE	2.22E-26
Non-allergic asthma	TRIM27	cg18844029	rs209139	A	C	-0.916	0.048	0.057	1.01E-81	-0.029	0.042	0.481	0.090	366.441	TRUE	2.54E-77
Non-allergic asthma	TRIM27	cg18844029	rs209142	C	G	-0.812	0.021	0.388	<1E-200	0.019	0.017	0.276	0.295	1547.262	TRUE	3.07E-293
Non-allergic asthma	TRIM27	cg18844029	rs2523441	T	A	0.168	0.027	0.252	9.20E-10	-0.022	0.016	0.161	0.010	37.467	TRUE	3.76E-09
Non-allergic asthma	TRIM27	cg18844029	rs2859379	T	C	-0.739	0.068	0.027	9.22E-28	-0.125	0.070	0.073	0.031	119.189	TRUE	4.54E-26
Non-allergic asthma	TRIM27	cg18844029	rs36050447	T	C	-0.733	0.076	0.025	6.65E-22	0.043	0.041	0.298	0.024	92.475	TRUE	6.71E-21
Non-allergic asthma	TRIM27	cg18844029	rs388017	T	C	0.376	0.063	0.035	2.32E-09	-0.053	0.021	0.012	0.010	35.667	TRUE	2.01E-08
Non-allergic asthma	TRIM27	cg18844029	rs62401446	A	G	-0.552	0.092	0.019	2.26E-09	0.032	0.037	0.392	0.010	35.713	TRUE	5.97E-09
Non-allergic asthma	TRIM27	cg18844029	rs62402370	C	G	-0.817	0.040	0.086	3.97E-91	0.018	0.025	0.479	0.100	409.621	TRUE	6.08E-86
Non-allergic asthma	TRIM27	cg18844029	rs6933825	G	A	-0.792	0.034	0.115	1.38E-117	0.011	0.024	0.635	0.126	531.149	TRUE	3.62E-110
Non-allergic asthma	TRIM27	cg18844029	rs72831442	G	A	-0.644	0.044	0.072	5.57E-49	-0.020	0.040	0.615	0.055	216.263	TRUE	5.52E-47
Non-allergic asthma	TRIM27	cg18844029	rs72849209	T	A	0.602	0.110	0.013	4.04E-08	0.054	0.097	0.577	0.008	30.114	TRUE	7.82E-08
Non-allergic asthma	TRIM27	cg18844029	rs9283885	A	G	-0.431	0.028	0.213	1.85E-53	0.047	0.017	0.006	0.060	236.791	TRUE	1.90E-49
Non-allergic asthma	TRIM27	cg18844029	rs9348782	A	G	-0.518	0.051	0.050	5.91E-24	0.023	0.027	0.394	0.027	101.820	TRUE	5.86E-23
Non-allergic asthma	TRIM27	cg18954047	rs115318295	A	T	-0.373	0.026	0.254	3.70E-48	-0.002	0.018	0.910	0.054	212.496	TRUE	1.67E-46
Non-allergic asthma	TRIM27	cg18954047	rs62401458	A	G	-0.348	0.063	0.033	3.15E-08	0.128	0.050	0.011	0.008	30.599	TRUE	2.30E-07
Non-allergic asthma	TRIM27	cg18954047	rs79130209	A	G	-0.374	0.066	0.030	1.31E-08	-0.024	0.103	0.816	0.009	32.306	TRUE	2.09E-08
Non-allergic asthma	TRIM27	cg18954047	rs79157584	A	G	-0.363	0.054	0.048	1.45E-11	0.003	0.034	0.936	0.012	45.570	TRUE	2.45E-11
Non-allergic asthma	TRIM27	cg19400926	rs115318295	A	T	-0.454	0.026	0.254	3.09E-69	-0.002	0.018	0.910	0.077	309.138	TRUE	2.57E-66
Non-allergic asthma	TRIM27	cg19400926	rs1233387	T	C	-0.158	0.028	0.230	1.02E-08	0.022	0.020	0.260	0.009	32.786	TRUE	3.06E-08
Non-allergic asthma	TRIM27	cg19400926	rs209139	A	C	-0.296	0.049	0.057	1.48E-09	-0.029	0.042	0.481	0.010	36.543	TRUE	3.54E-09
Non-allergic asthma	TRIM27	cg19400926	rs2859356	T	C	-0.265	0.032	0.162	6.42E-17	0.032	0.020	0.109	0.019	69.806	TRUE	6.94E-16
Non-allergic asthma	TRIM27	cg19400926	rs3095275	A	G	0.174	0.029	0.206	2.52E-09	-0.001	0.021	0.970	0.010	35.501	TRUE	3.65E-09
Non-allergic asthma	TRIM27	cg19400926	rs41316606	T	A	-0.401	0.070	0.031	1.03E-08	0.031	0.040	0.429	0.009	32.772	TRUE	2.44E-08
Non-allergic asthma	TRIM27	cg20370991	rs115318295	A	T	-0.159	0.026	0.254	1.06E-09	-0.002	0.018	0.910	0.010	37.194	TRUE	1.65E-09
Non-allergic asthma	TRIM27	cg20544852	rs115318295	A	T	-0.264	0.026	0.254	4.85E-24	-0.002	0.018	0.910	0.027	102.211	TRUE	1.97E-23
Non-allergic asthma	TRIM27	cg21997109	rs115651187	G	C	-0.490	0.044	0.085	4.50E-29	-0.054	0.032	0.092	0.033	125.177	TRUE	2.28E-27

Non-allergic asthma	TRIM27	cg21997109	rs117929666	C	G	0.486	0.080	0.022	1.31E-09	0.021	0.051	0.686	0.010	36.785	TRUE	2.52E-09
Non-allergic asthma	TRIM27	cg21997109	rs1233388	G	A	0.238	0.030	0.183	1.21E-15	0.021	0.021	0.308	0.017	64.018	TRUE	6.46E-15
Non-allergic asthma	TRIM27	cg21997109	rs143257546	G	C	-0.526	0.075	0.024	2.99E-12	-0.056	0.062	0.365	0.013	48.668	TRUE	1.06E-11
Non-allergic asthma	TRIM27	cg21997109	rs149952	T	C	0.456	0.051	0.047	6.93E-19	0.008	0.027	0.779	0.021	78.740	TRUE	2.29E-18
Non-allergic asthma	TRIM27	cg21997109	rs150790220	T	C	0.326	0.059	0.045	3.19E-08	0.015	0.039	0.710	0.008	30.574	TRUE	5.48E-08
Non-allergic asthma	TRIM27	cg21997109	rs16894128	G	A	-0.411	0.035	0.131	2.51E-32	0.030	0.024	0.209	0.036	140.044	TRUE	1.05E-30
Non-allergic asthma	TRIM27	cg21997109	rs184654684	G	A	-0.495	0.079	0.025	3.02E-10	0.024	0.064	0.707	0.011	39.638	TRUE	5.95E-10
Non-allergic asthma	TRIM27	cg21997109	rs2523422	A	G	-0.321	0.027	0.252	2.60E-32	-0.022	0.016	0.164	0.036	139.970	TRUE	1.32E-30
Non-allergic asthma	TRIM27	cg21997109	rs2531809	A	G	0.377	0.035	0.129	5.01E-27	0.006	0.021	0.785	0.030	115.833	TRUE	3.19E-26
Non-allergic asthma	TRIM27	cg21997109	rs35403242	A	G	0.403	0.048	0.063	2.28E-17	0.018	0.030	0.556	0.019	71.850	TRUE	9.24E-17
Non-allergic asthma	TRIM27	cg21997109	rs56295386	T	C	0.479	0.036	0.105	1.92E-39	-0.048	0.035	0.178	0.045	172.591	TRUE	2.24E-37
Non-allergic asthma	TRIM27	cg21997109	rs6907104	C	A	0.515	0.066	0.031	5.68E-15	-0.031	0.054	0.557	0.016	60.975	TRUE	1.90E-14
Non-allergic asthma	TRIM27	cg21997109	rs6920512	G	A	-0.280	0.045	0.070	3.74E-10	-0.039	0.020	0.047	0.010	39.221	TRUE	2.46E-09
Non-allergic asthma	TRIM27	cg21997109	rs731132	G	T	-0.320	0.024	0.392	1.15E-39	0.027	0.016	0.093	0.045	173.606	TRUE	2.33E-37
Non-allergic asthma	TRIM27	cg21997109	rs7752448	G	A	0.546	0.034	0.125	7.12E-57	0.057	0.035	0.105	0.064	252.442	TRUE	1.69E-53
Non-allergic asthma	TRIM27	cg21997109	rs9257452	A	G	0.465	0.047	0.068	3.08E-23	0.033	0.023	0.146	0.026	98.554	TRUE	5.79E-22
Non-allergic asthma	TRIM27	cg22900372	rs115196926	T	C	-0.255	0.043	0.082	4.24E-09	0.046	0.025	0.064	0.009	34.494	TRUE	2.21E-08
Non-allergic asthma	TRIM27	cg22900372	rs115651187	G	C	0.278	0.044	0.085	2.25E-10	-0.054	0.032	0.092	0.011	40.216	TRUE	1.22E-09
Non-allergic asthma	TRIM27	cg22900372	rs12199114	C	G	0.331	0.060	0.037	3.43E-08	-0.046	0.021	0.029	0.008	30.432	TRUE	1.97E-07
Non-allergic asthma	TRIM27	cg22900372	rs1233387	T	C	-0.173	0.027	0.230	2.44E-10	0.022	0.020	0.260	0.011	40.060	TRUE	8.59E-10
Non-allergic asthma	TRIM27	cg22900372	rs16894139	C	T	-0.266	0.040	0.090	2.57E-11	0.015	0.025	0.550	0.012	44.453	TRUE	6.51E-11
Non-allergic asthma	TRIM27	cg22900372	rs3117193	T	C	0.203	0.024	0.394	5.08E-17	0.005	0.017	0.778	0.019	70.267	TRUE	1.47E-16
Non-allergic asthma	TRIM27	cg22900372	rs55740552	G	T	-0.273	0.048	0.060	1.32E-08	-0.019	0.042	0.656	0.009	32.291	TRUE	2.44E-08
Non-allergic asthma	TRIM27	cg22900372	rs71559084	C	G	0.314	0.040	0.091	7.04E-15	-0.006	0.036	0.880	0.016	60.555	TRUE	1.54E-14
Non-allergic asthma	TRIM27	cg22900372	rs73396550	G	A	-0.368	0.038	0.096	3.57E-22	-0.013	0.036	0.727	0.025	93.702	TRUE	1.66E-21
Non-allergic asthma	TRIM27	cg22900372	rs76683848	C	G	-1.044	0.107	0.011	2.70E-22	-0.032	0.056	0.573	0.025	94.259	TRUE	1.62E-21
Non-allergic asthma	TRIM27	cg22900372	rs9380067	A	G	-0.231	0.028	0.246	7.37E-17	0.052	0.019	0.006	0.018	69.533	TRUE	2.41E-15
Non-allergic asthma	TRIM27	cg23756442	rs3135316	G	A	-0.470	0.037	0.116	9.93E-38	0.070	0.037	0.057	0.043	164.747	TRUE	2.16E-35
Non-allergic asthma	TRIM27	cg23756442	rs72851179	A	G	-0.325	0.057	0.049	1.38E-08	0.046	0.034	0.174	0.009	32.204	TRUE	4.78E-08
Non-allergic asthma	TRIM27	cg23756442	rs9257572	T	G	-0.185	0.024	0.426	7.02E-15	0.047	0.016	0.004	0.016	60.560	TRUE	1.96E-13
Non-allergic asthma	TRIM27	cg24697433	rs114325231	T	G	-0.572	0.048	0.063	2.86E-33	0.015	0.040	0.704	0.038	144.355	TRUE	3.81E-32
Non-allergic asthma	TRIM27	cg24697433	rs12195700	C	T	0.328	0.060	0.038	4.60E-08	-0.046	0.021	0.029	0.008	29.861	TRUE	2.59E-07
Non-allergic asthma	TRIM27	cg24697433	rs149356531	G	C	-0.466	0.058	0.045	8.21E-16	0.015	0.039	0.711	0.017	64.784	TRUE	2.37E-15
Non-allergic asthma	TRIM27	cg24697433	rs149952	T	C	-0.595	0.051	0.047	3.01E-31	0.008	0.027	0.779	0.035	135.112	TRUE	2.86E-30
Non-allergic asthma	TRIM27	cg24697433	rs1736922	T	C	0.237	0.027	0.271	9.17E-19	-0.020	0.021	0.345	0.021	78.187	TRUE	6.10E-18
Non-allergic asthma	TRIM27	cg24697433	rs209140	A	G	-1.035	0.020	0.247	<1E-200	-0.003	0.018	0.852	0.411	2585.652	TRUE	<1E-200
Non-allergic asthma	TRIM27	cg24697433	rs34302671	G	A	0.298	0.038	0.108	1.98E-15	0.025	0.025	0.309	0.017	63.048	TRUE	1.03E-14
Non-allergic asthma	TRIM27	cg24697433	rs35403242	A	G	-0.972	0.046	0.063	1.96E-97	0.018	0.030	0.556	0.106	438.578	TRUE	8.07E-92
Non-allergic asthma	TRIM27	cg24697433	rs41316606	T	A	-1.089	0.069	0.031	6.66E-56	0.031	0.040	0.429	0.063	247.989	TRUE	2.87E-53
Non-allergic asthma	TRIM27	cg24697433	rs62401446	A	G	-0.823	0.092	0.019	3.68E-19	0.032	0.037	0.392	0.021	79.989	TRUE	2.31E-18
Non-allergic asthma	TRIM27	cg24697433	rs73740605	C	T	-1.127	0.169	0.011	2.92E-11	-0.354	0.157	0.024	0.012	44.205	TRUE	2.75E-10
Non-allergic asthma	TRIM27	cg24697433	rs74561353	A	T	0.283	0.047	0.067	1.34E-09	-0.014	0.042	0.740	0.010	36.728	TRUE	2.45E-09

Non-allergic asthma	TRIM27	cg24697433	rs75446291	G	C	-1.067	0.172	0.012	5.89E-10	0.016	0.100	0.874	0.010	38.338	TRUE	9.64E-10
Non-allergic asthma	TRIM27	cg24697433	rs77983937	G	A	-0.902	0.066	0.031	9.86E-43	-0.007	0.047	0.885	0.048	187.646	TRUE	2.50E-41
Non-allergic asthma	TRIM27	cg24697433	rs78793798	G	A	-1.056	0.066	0.030	5.43E-58	-0.031	0.106	0.773	0.065	257.567	TRUE	1.22E-55
Non-allergic asthma	TRIM27	cg24697433	rs9295793	A	C	0.282	0.032	0.156	2.77E-18	0.036	0.022	0.099	0.020	76.005	TRUE	3.68E-17
Non-allergic asthma	TRIM27	cg24697433	rs9461434	C	A	0.199	0.029	0.222	4.00E-12	0.049	0.022	0.029	0.013	48.099	TRUE	4.04E-11
Non-allergic asthma	TRIM27	cg25525825	rs114357009	A	G	-0.289	0.052	0.048	2.79E-08	-0.027	0.044	0.545	0.008	30.832	TRUE	5.64E-08
Non-allergic asthma	TRIM27	cg25525825	rs209140	A	G	-0.308	0.026	0.247	1.53E-31	-0.003	0.018	0.852	0.036	136.454	TRUE	1.31E-30
Non-allergic asthma	TRIM27	cg25525825	rs35604709	A	G	-0.292	0.048	0.062	8.84E-10	0.017	0.030	0.558	0.010	37.546	TRUE	1.97E-09
Non-allergic asthma	TRIM27	cg25701364	rs142863425	T	C	-0.235	0.042	0.080	2.78E-08	-0.004	0.040	0.922	0.008	30.842	TRUE	3.97E-08
Non-allergic asthma	TRIM27	cg25701364	rs2023463	T	C	0.212	0.036	0.119	4.80E-09	0.067	0.036	0.063	0.009	34.251	TRUE	2.49E-08
Non-allergic asthma	TRIM27	cg25701364	rs209140	A	G	-0.245	0.026	0.247	1.25E-20	-0.003	0.018	0.852	0.023	86.680	TRUE	4.24E-20
Non-allergic asthma	TRIM27	cg27120125	rs13200214	T	C	-0.228	0.037	0.110	5.52E-10	0.070	0.037	0.060	0.010	38.465	TRUE	3.29E-09
Non-allergic asthma	TRIM27	cg27120125	rs3129793	A	G	-0.130	0.023	0.490	2.00E-08	0.036	0.016	0.025	0.008	31.481	TRUE	1.23E-07
Non-allergic asthma	TRIM27	cg27257926	rs209142	C	G	-0.151	0.023	0.388	1.45E-10	0.019	0.017	0.276	0.011	41.079	TRUE	5.06E-10
Non-allergic asthma	TRIM27	cg27358207	rs75058702	T	G	0.279	0.049	0.065	1.06E-08	0.048	0.031	0.117	0.009	32.708	TRUE	4.32E-08
Non-allergic asthma	TRIM27	cg27383651	rs209140	A	G	-0.209	0.026	0.247	1.39E-15	-0.003	0.018	0.852	0.017	63.754	TRUE	3.29E-15
Non-allergic asthma	ULK1	cg07746532	rs78172903	T	C	-0.214	0.039	0.098	3.32E-08	-0.073	0.025	0.004	0.008	30.497	TRUE	3.01E-07
Non-allergic asthma	ULK1	cg08731435	rs10794450	T	G	0.298	0.044	0.077	7.97E-12	-0.028	0.038	0.462	0.012	46.749	TRUE	2.35E-11
Non-allergic asthma	ULK1	cg08731435	rs10902466	G	A	1.078	0.027	0.177	<1E-200	-0.057	0.018	0.001	0.305	1624.833	TRUE	4.87E-302
Non-allergic asthma	ULK1	cg08731435	rs10902514	A	G	0.483	0.071	0.041	9.26E-12	-0.122	0.070	0.082	0.012	46.455	TRUE	6.18E-11
Non-allergic asthma	ULK1	cg08731435	rs112234188	G	C	1.021	0.061	0.037	3.24E-62	0.022	0.034	0.519	0.070	276.937	TRUE	2.70E-59
Non-allergic asthma	ULK1	cg08731435	rs11246948	A	G	0.190	0.027	0.263	7.22E-13	-0.024	0.019	0.191	0.014	51.455	TRUE	3.81E-12
Non-allergic asthma	ULK1	cg08731435	rs12227884	C	T	1.174	0.076	0.025	4.81E-54	-0.050	0.039	0.202	0.061	239.470	TRUE	3.87E-51
Non-allergic asthma	ULK1	cg08731435	rs139019630	T	C	0.412	0.067	0.032	7.39E-10	-0.077	0.054	0.152	0.010	37.894	TRUE	3.12E-09
Non-allergic asthma	ULK1	cg08731435	rs3088051	C	T	-0.312	0.026	0.275	4.53E-33	0.027	0.018	0.131	0.037	143.442	TRUE	2.98E-31
Non-allergic asthma	ULK1	cg08731435	rs4964931	G	T	-0.258	0.025	0.319	1.16E-25	0.042	0.018	0.018	0.029	109.612	TRUE	8.94E-24
Non-allergic asthma	ULK1	cg08731435	rs55661795	C	T	0.206	0.024	0.487	2.55E-18	-0.018	0.016	0.255	0.020	76.170	TRUE	1.99E-17
Non-allergic asthma	ULK1	cg08731435	rs57442333	T	G	0.434	0.037	0.118	1.69E-32	-0.058	0.020	0.004	0.037	140.828	TRUE	6.71E-30
Non-allergic asthma	ULK1	cg08731435	rs61942397	C	A	0.253	0.032	0.164	2.15E-15	-0.055	0.022	0.012	0.017	62.891	TRUE	4.51E-14
Non-allergic asthma	ULK1	cg08731435	rs7137092	A	G	-0.160	0.027	0.265	2.09E-09	0.003	0.022	0.882	0.010	35.870	TRUE	3.29E-09
Non-allergic asthma	ULK1	cg08731435	rs729326	A	G	0.187	0.024	0.488	3.45E-15	-0.020	0.016	0.210	0.016	61.957	TRUE	2.20E-14
Non-allergic asthma	ULK1	cg08731435	rs73469993	A	G	0.606	0.092	0.019	3.95E-11	-0.032	0.050	0.522	0.012	43.616	TRUE	1.02E-10
Non-allergic asthma	ULK1	cg12944340	rs11246853	T	C	0.167	0.023	0.415	7.14E-13	-0.019	0.016	0.241	0.014	51.478	TRUE	3.36E-12
Non-allergic asthma	ULK1	cg12944340	rs11246867	A	G	1.396	0.049	0.059	2.17E-179	-0.011	0.033	0.728	0.181	815.176	TRUE	1.24E-164
Non-allergic asthma	ULK1	cg12944340	rs116490303	A	G	0.489	0.045	0.068	1.12E-27	-0.034	0.040	0.397	0.031	118.811	TRUE	1.60E-26
Non-allergic asthma	ULK1	cg12944340	rs140558127	A	G	0.668	0.107	0.012	4.49E-10	-0.025	0.027	0.364	0.010	38.868	TRUE	1.31E-09
Non-allergic asthma	ULK1	cg12944340	rs4964879	A	G	0.285	0.037	0.116	9.36E-15	-0.039	0.022	0.075	0.016	59.995	TRUE	9.29E-14
Non-allergic asthma	ULK1	cg12944340	rs57516732	C	T	0.304	0.031	0.183	4.79E-23	-0.060	0.018	8.69E-04	0.026	97.679	TRUE	7.81E-21
Non-allergic asthma	ULK1	cg12944340	rs61942925	T	C	0.495	0.064	0.034	6.39E-15	-0.019	0.045	0.669	0.016	60.744	TRUE	1.83E-14
Non-allergic asthma	ULK1	cg12944340	rs737434	T	C	0.210	0.035	0.126	2.44E-09	0.010	0.026	0.709	0.010	35.563	TRUE	4.52E-09
Non-allergic asthma	ULK1	cg12944340	rs77063486	T	C	1.268	0.101	0.014	5.57E-36	-0.039	0.023	0.085	0.041	156.748	TRUE	7.27E-34
Non-allergic asthma	ULK1	cg12944340	rs7956581	T	C	0.215	0.031	0.162	7.39E-12	-0.018	0.022	0.422	0.013	46.895	TRUE	2.31E-11

Non-allergic asthma	ULK1	cg13235087	rs10794450	T	G	-0.329	0.043	0.077	3.80E-14	-0.028	0.038	0.462	0.015	57.240	TRUE	1.36E-13
Non-allergic asthma	ULK1	cg13235087	rs10902466	G	A	-1.186	0.024	0.177	<1E-200	-0.057	0.018	0.001	0.392	2386.228	TRUE	<1E-200
Non-allergic asthma	ULK1	cg13235087	rs10902491	G	A	-0.391	0.050	0.061	8.25E-15	-0.038	0.022	0.081	0.016	60.241	TRUE	7.97E-14
Non-allergic asthma	ULK1	cg13235087	rs10902498	T	G	0.145	0.024	0.423	9.93E-10	-0.001	0.016	0.966	0.010	37.318	TRUE	1.47E-09
Non-allergic asthma	ULK1	cg13235087	rs10902514	A	G	-0.592	0.071	0.041	5.15E-17	-0.122	0.070	0.082	0.019	70.239	TRUE	6.44E-16
Non-allergic asthma	ULK1	cg13235087	rs112234188	G	C	-0.928	0.062	0.037	2.20E-51	0.022	0.034	0.519	0.058	227.274	TRUE	3.86E-49
Non-allergic asthma	ULK1	cg13235087	rs11246904	T	C	0.277	0.025	0.330	1.14E-28	0.021	0.018	0.230	0.032	123.333	TRUE	2.89E-27
Non-allergic asthma	ULK1	cg13235087	rs11246912	A	G	-0.348	0.036	0.113	1.50E-21	-0.020	0.025	0.435	0.024	90.863	TRUE	1.08E-20
Non-allergic asthma	ULK1	cg13235087	rs11246947	G	A	-0.164	0.026	0.290	1.72E-10	-0.025	0.018	0.164	0.011	40.745	TRUE	7.52E-10
Non-allergic asthma	ULK1	cg13235087	rs11611560	T	C	0.245	0.025	0.281	4.82E-22	0.046	0.018	0.011	0.025	93.112	TRUE	2.70E-20
Non-allergic asthma	ULK1	cg13235087	rs12227884	C	T	-0.976	0.076	0.025	1.46E-37	-0.050	0.039	0.202	0.042	163.977	TRUE	1.20E-35
Non-allergic asthma	ULK1	cg13235087	rs1982527	G	A	-0.367	0.035	0.130	1.92E-25	-0.048	0.019	0.011	0.029	108.608	TRUE	1.81E-23
Non-allergic asthma	ULK1	cg13235087	rs4964883	G	C	-0.804	0.092	0.018	2.26E-18	-0.034	0.043	0.441	0.020	76.406	TRUE	1.21E-17
Non-allergic asthma	ULK1	cg13235087	rs4964979	G	A	-0.311	0.025	0.351	2.86E-36	-0.035	0.016	0.028	0.041	158.069	TRUE	7.94E-34
Non-allergic asthma	ULK1	cg13235087	rs61936372	G	A	-0.337	0.055	0.047	1.03E-09	-0.029	0.035	0.409	0.010	37.241	TRUE	2.74E-09
Non-allergic asthma	ULK1	cg13235087	rs61942397	C	A	-0.355	0.032	0.164	5.98E-29	-0.055	0.022	0.012	0.033	124.614	TRUE	8.70E-27
Non-allergic asthma	ULK1	cg13235087	rs6422001	G	A	-0.384	0.029	0.194	2.65E-41	-0.020	0.018	0.268	0.047	181.104	TRUE	2.70E-39
Non-allergic asthma	ULK1	cg13235087	rs76147273	A	G	-0.769	0.086	0.019	3.74E-19	-0.039	0.069	0.565	0.021	79.957	TRUE	1.74E-18
Non-allergic asthma	ULK1	cg15163603	rs35569693	A	T	0.158	0.025	0.329	2.93E-10	0.021	0.018	0.228	0.011	39.696	TRUE	1.09E-09
Non-allergic asthma	ULK1	cg15260428	rs10794450	T	G	0.326	0.044	0.077	7.07E-14	-0.028	0.038	0.462	0.015	56.018	TRUE	2.47E-13
Non-allergic asthma	ULK1	cg15260428	rs10848277	C	G	0.152	0.026	0.300	3.17E-09	0.028	0.016	0.079	0.009	35.060	TRUE	1.56E-08
Non-allergic asthma	ULK1	cg15260428	rs10902514	A	G	0.549	0.071	0.041	7.87E-15	-0.122	0.070	0.082	0.016	60.334	TRUE	7.59E-14
Non-allergic asthma	ULK1	cg15260428	rs11246861	G	A	0.956	0.037	0.103	7.78E-146	-0.045	0.025	0.066	0.152	660.945	TRUE	1.72E-133
Non-allergic asthma	ULK1	cg15260428	rs11246912	A	G	0.403	0.036	0.113	1.76E-28	-0.020	0.025	0.435	0.032	122.474	TRUE	2.50E-27
Non-allergic asthma	ULK1	cg15260428	rs113562482	T	C	0.221	0.036	0.121	1.08E-09	0.051	0.023	0.026	0.010	37.156	TRUE	7.94E-09
Non-allergic asthma	ULK1	cg15260428	rs117479107	A	G	1.145	0.075	0.030	3.98E-53	-0.082	0.045	0.067	0.060	235.262	TRUE	7.60E-50
Non-allergic asthma	ULK1	cg15260428	rs139019630	T	C	0.433	0.067	0.032	9.17E-11	-0.077	0.054	0.152	0.011	41.969	TRUE	4.27E-10
Non-allergic asthma	ULK1	cg15260428	rs2398553	A	G	-0.139	0.024	0.421	4.92E-09	-0.006	0.016	0.721	0.009	34.204	TRUE	8.81E-09
Non-allergic asthma	ULK1	cg15260428	rs28514346	A	G	-0.193	0.030	0.180	1.30E-10	0.028	0.022	0.199	0.011	41.292	TRUE	5.30E-10
Non-allergic asthma	ULK1	cg15260428	rs3088051	C	T	-0.325	0.026	0.275	1.22E-35	0.027	0.018	0.131	0.040	155.185	TRUE	1.12E-33
Non-allergic asthma	ULK1	cg15260428	rs4964931	G	T	-0.240	0.025	0.319	1.96E-22	0.042	0.018	0.018	0.025	94.891	TRUE	9.67E-21
Non-allergic asthma	ULK1	cg15260428	rs61942945	T	C	0.501	0.035	0.113	2.24E-45	-0.012	0.024	0.608	0.051	199.755	TRUE	1.43E-43
Non-allergic asthma	ULK1	cg15260428	rs7302218	T	C	-0.134	0.024	0.404	2.45E-08	0.010	0.016	0.552	0.008	31.087	TRUE	4.93E-08
Non-allergic asthma	ULK1	cg15260428	rs73158908	C	G	0.174	0.029	0.213	1.31E-09	-0.017	0.016	0.290	0.010	36.777	TRUE	4.09E-09
Non-allergic asthma	ULK1	cg15260428	rs75026995	T	C	-0.262	0.027	0.253	1.29E-22	0.002	0.019	0.925	0.025	95.723	TRUE	4.58E-22
Non-allergic asthma	ULK1	cg15260428	rs77929763	A	G	1.317	0.034	0.099	<1E-200	-0.069	0.025	0.007	0.291	1519.276	TRUE	1.98E-285
Non-allergic asthma	ULK1	cg15260428	rs7973499	A	G	0.339	0.025	0.338	2.87E-42	-0.033	0.016	0.036	0.048	185.521	TRUE	1.65E-39
Non-allergic asthma	ULK1	cg18849213	rs10902498	T	G	0.265	0.024	0.423	3.25E-29	-0.001	0.016	0.966	0.033	125.819	TRUE	1.85E-28
Non-allergic asthma	ULK1	cg18849213	rs112272697	A	G	-0.277	0.048	0.058	1.01E-08	0.025	0.043	0.561	0.009	32.802	TRUE	2.08E-08
Non-allergic asthma	ULK1	cg18849213	rs11246861	G	A	0.331	0.039	0.103	1.29E-17	-0.045	0.025	0.066	0.019	72.977	TRUE	1.91E-16
Non-allergic asthma	ULK1	cg18849213	rs117479107	A	G	-0.475	0.076	0.030	3.65E-10	-0.082	0.045	0.067	0.011	39.270	TRUE	2.14E-09
Non-allergic asthma	ULK1	cg18849213	rs12422267	G	A	-0.436	0.039	0.092	1.40E-28	-0.025	0.027	0.360	0.032	122.924	TRUE	2.41E-27

Non-allergic asthma	ULK1	cg18849213	rs1456619	T	C	0.169	0.025	0.376	6.64E-12	-0.031	0.016	0.046	0.013	47.107	TRUE	5.55E-11
Non-allergic asthma	ULK1	cg18849213	rs3088051	C	T	-0.335	0.026	0.275	7.59E-38	0.027	0.018	0.131	0.043	165.283	TRUE	9.26E-36
Non-allergic asthma	ULK1	cg18849213	rs35456238	C	A	0.576	0.054	0.048	3.49E-26	0.031	0.043	0.477	0.029	111.984	TRUE	3.61E-25
Non-allergic asthma	ULK1	cg18849213	rs7485527	A	C	0.150	0.025	0.374	1.13E-09	0.008	0.016	0.623	0.010	37.073	TRUE	2.33E-09
Non-allergic asthma	ULK1	cg18849213	rs75384662	C	G	-0.371	0.055	0.048	2.07E-11	0.026	0.049	0.599	0.012	44.877	TRUE	4.98E-11
Non-allergic asthma	ULK1	cg21649013	rs10794433	C	G	0.265	0.035	0.141	1.88E-14	-0.049	0.019	0.012	0.016	58.627	TRUE	3.45E-13
Non-allergic asthma	ULK1	cg21649013	rs117479107	A	G	0.440	0.076	0.030	6.78E-09	-0.082	0.045	0.067	0.009	33.580	TRUE	3.38E-08
Non-allergic asthma	ULK1	cg21649013	rs78570824	T	C	0.577	0.039	0.097	1.21E-50	-0.067	0.025	0.008	0.057	223.889	TRUE	6.46E-47
Non-allergic asthma	UNC13D	cg01430390	rs2410859	C	T	-0.492	0.025	0.314	3.53E-87	0.023	0.019	0.204	0.096	391.490	TRUE	9.27E-82
Non-allergic asthma	UNC13D	cg01430390	rs2598415	T	G	-0.153	0.026	0.280	6.16E-09	0.009	0.019	0.622	0.009	33.765	TRUE	1.21E-08
Non-allergic asthma	UNC13D	cg01430390	rs3744011	T	C	-0.402	0.059	0.048	1.08E-11	-0.015	0.037	0.688	0.012	46.161	TRUE	2.38E-11
Non-allergic asthma	UNC13D	cg01430390	rs7217719	C	T	-0.167	0.025	0.344	1.06E-11	0.005	0.018	0.785	0.012	46.184	TRUE	2.12E-11
Non-allergic asthma	UNC13D	cg01574231	rs8065151	G	C	0.581	0.050	0.061	1.09E-30	-0.065	0.039	0.094	0.035	132.560	TRUE	6.66E-29
Non-allergic asthma	UNC13D	cg01574231	rs9903200	A	G	0.311	0.026	0.300	1.50E-33	0.019	0.019	0.321	0.038	145.629	TRUE	4.99E-32
Non-allergic asthma	UNC13D	cg02627403	rs113062332	A	G	-0.471	0.071	0.030	2.63E-11	0.074	0.049	0.126	0.012	44.411	TRUE	1.41E-10
Non-allergic asthma	UNC13D	cg02627403	rs12325726	T	C	-0.186	0.032	0.167	7.17E-09	-0.036	0.020	0.075	0.009	33.469	TRUE	3.44E-08
Non-allergic asthma	UNC13D	cg02627403	rs144456260	A	G	0.436	0.078	0.030	2.25E-08	0.030	0.055	0.583	0.008	31.245	TRUE	4.42E-08
Non-allergic asthma	UNC13D	cg02627403	rs145224941	C	T	-0.523	0.092	0.014	1.51E-08	0.043	0.050	0.397	0.009	32.020	TRUE	3.69E-08
Non-allergic asthma	UNC13D	cg02627403	rs147677775	A	G	-0.447	0.066	0.031	1.37E-11	-0.029	0.076	0.699	0.012	45.691	TRUE	2.97E-11
Non-allergic asthma	UNC13D	cg02627403	rs2071193	A	G	0.274	0.023	0.425	4.58E-32	0.001	0.016	0.973	0.036	138.846	TRUE	3.32E-31
Non-allergic asthma	UNC13D	cg02627403	rs2305914	T	C	-0.557	0.048	0.068	1.40E-30	-0.040	0.034	0.243	0.034	132.064	TRUE	4.22E-29
Non-allergic asthma	UNC13D	cg02627403	rs4788909	G	C	-0.323	0.030	0.201	2.13E-27	-0.018	0.020	0.374	0.031	117.531	TRUE	3.12E-26
Non-allergic asthma	UNC13D	cg02627403	rs62090776	T	G	-0.253	0.041	0.094	9.57E-10	0.029	0.043	0.501	0.010	37.390	TRUE	2.28E-09
Non-allergic asthma	UNC13D	cg02627403	rs7210574	C	T	-0.781	0.022	0.333	1.40E-271	0.048	0.017	0.005	0.251	1239.089	TRUE	2.67E-237
Non-allergic asthma	UNC13D	cg02627403	rs8065144	G	A	-0.252	0.025	0.344	8.62E-25	0.004	0.018	0.838	0.028	105.633	TRUE	4.16E-24
Non-allergic asthma	UNC13D	cg02627403	rs9900702	C	T	-0.634	0.082	0.022	1.18E-14	0.022	0.057	0.701	0.016	59.545	TRUE	3.16E-14
Non-allergic asthma	UNC13D	cg02880508	rs2071193	A	G	0.164	0.023	0.425	2.60E-12	0.001	0.016	0.973	0.013	48.945	TRUE	4.39E-12
Non-allergic asthma	UNC13D	cg02880508	rs2444843	T	C	-0.469	0.079	0.030	3.44E-09	0.024	0.057	0.681	0.009	34.896	TRUE	6.49E-09
Non-allergic asthma	UNC13D	cg02880508	rs4788909	G	C	-0.235	0.030	0.201	4.17E-15	-0.018	0.020	0.374	0.016	61.586	TRUE	1.87E-14
Non-allergic asthma	UNC13D	cg02880508	rs7210574	C	T	-0.609	0.024	0.333	2.86E-138	0.048	0.017	0.005	0.145	626.179	TRUE	1.12E-125
Non-allergic asthma	UNC13D	cg02880508	rs75625838	C	T	-0.258	0.043	0.090	1.42E-09	0.031	0.042	0.457	0.010	36.619	TRUE	3.51E-09
Non-allergic asthma	UNC13D	cg02880508	rs8065144	G	A	-0.157	0.025	0.344	1.67E-10	0.004	0.018	0.838	0.011	40.794	TRUE	2.93E-10
Non-allergic asthma	UNC13D	cg04304639	rs3744007	A	G	0.848	0.095	0.016	4.15E-19	0.034	0.063	0.588	0.021	79.751	TRUE	1.85E-18
Non-allergic asthma	UNC13D	cg07010633	rs113617218	A	G	-0.204	0.027	0.264	1.62E-14	-0.008	0.018	0.654	0.016	58.913	TRUE	4.58E-14
Non-allergic asthma	UNC13D	cg07010633	rs12325726	T	C	-0.229	0.032	0.167	1.08E-12	-0.036	0.020	0.075	0.014	50.663	TRUE	8.35E-12
Non-allergic asthma	UNC13D	cg07010633	rs12601118	A	C	-0.474	0.044	0.074	1.83E-27	0.035	0.033	0.301	0.031	117.829	TRUE	3.27E-26
Non-allergic asthma	UNC13D	cg07010633	rs145224941	C	T	-0.625	0.092	0.014	1.29E-11	0.043	0.050	0.397	0.012	45.805	TRUE	4.10E-11
Non-allergic asthma	UNC13D	cg07010633	rs2305914	T	C	-0.594	0.048	0.068	1.40E-34	-0.040	0.034	0.243	0.039	150.344	TRUE	6.77E-33
Non-allergic asthma	UNC13D	cg07010633	rs62090776	T	G	-0.306	0.041	0.094	1.32E-13	0.029	0.043	0.501	0.015	54.788	TRUE	4.28E-13
Non-allergic asthma	UNC13D	cg07010633	rs7216655	A	G	0.578	0.068	0.066	1.47E-17	-0.025	0.025	0.315	0.019	72.711	TRUE	9.30E-17
Non-allergic asthma	UNC13D	cg07010633	rs73352129	G	C	-0.855	0.022	0.308	<1E-200	0.045	0.019	0.016	0.285	1474.590	TRUE	1.85E-278
Non-allergic asthma	UNC13D	cg07010633	rs75988962	T	C	-0.624	0.036	0.117	8.88E-67	0.026	0.026	0.320	0.075	297.864	TRUE	3.08E-63

Non-allergic asthma	UNC13D	cg07010633	rs9900702	C	T	-0.691	0.082	0.022	3.73E-17	0.022	0.057	0.701	0.019	70.878	TRUE	1.21E-16
Non-allergic asthma	UNC13D	cg12407791	rs113617218	A	G	-0.194	0.027	0.264	2.47E-13	-0.008	0.018	0.654	0.014	53.561	TRUE	6.40E-13
Non-allergic asthma	UNC13D	cg12407791	rs12325726	T	C	-0.261	0.032	0.167	3.74E-16	-0.036	0.020	0.075	0.018	66.334	TRUE	4.38E-15
Non-allergic asthma	UNC13D	cg12407791	rs12601118	A	C	-0.472	0.044	0.074	2.72E-27	0.035	0.033	0.301	0.031	117.045	TRUE	4.76E-26
Non-allergic asthma	UNC13D	cg12407791	rs145224941	C	T	-0.663	0.092	0.014	6.43E-13	0.043	0.050	0.397	0.014	51.683	TRUE	2.29E-12
Non-allergic asthma	UNC13D	cg12407791	rs2305914	T	C	-0.619	0.048	0.068	1.43E-37	-0.040	0.034	0.243	0.042	164.026	TRUE	9.96E-36
Non-allergic asthma	UNC13D	cg12407791	rs2666001	T	A	0.217	0.035	0.120	8.49E-10	-0.001	0.025	0.959	0.010	37.624	TRUE	1.27E-09
Non-allergic asthma	UNC13D	cg12407791	rs4485425	A	G	-0.889	0.022	0.301	<1E-200	0.045	0.019	0.018	0.299	1576.217	TRUE	1.28E-295
Non-allergic asthma	UNC13D	cg12407791	rs62090776	T	G	-0.302	0.041	0.094	2.80E-13	0.029	0.043	0.501	0.014	53.318	TRUE	8.81E-13
Non-allergic asthma	UNC13D	cg12407791	rs7216655	A	G	0.605	0.068	0.066	4.18E-19	-0.025	0.025	0.315	0.021	79.740	TRUE	3.07E-18
Non-allergic asthma	UNC13D	cg12407791	rs75988962	T	C	-0.665	0.036	0.117	4.53E-76	0.026	0.026	0.320	0.084	340.496	TRUE	7.79E-72
Non-allergic asthma	UNC13D	cg12407791	rs9900702	C	T	-0.707	0.082	0.022	6.47E-18	0.022	0.057	0.701	0.020	74.331	TRUE	2.22E-17
Non-allergic asthma	UNC13D	cg14715778	rs2410859	C	T	0.240	0.025	0.314	2.12E-21	0.023	0.019	0.204	0.024	90.177	TRUE	2.64E-20
Non-allergic asthma	UNC13D	cg15177359	rs3744021	A	G	0.148	0.025	0.294	5.08E-09	0.025	0.019	0.190	0.009	34.141	TRUE	1.79E-08
Non-allergic asthma	UNC13D	cg16354117	rs11868308	T	C	0.446	0.027	0.230	6.12E-60	0.045	0.021	0.028	0.067	266.498	TRUE	7.32E-56
Non-allergic asthma	UNC13D	cg17075258	rs7210574	C	T	-0.338	0.025	0.333	5.02E-42	0.048	0.017	0.005	0.047	184.410	TRUE	8.19E-39
Non-allergic asthma	UNC13D	cg22467534	rs56000661	C	A	-0.142	0.025	0.314	1.62E-08	0.024	0.019	0.207	0.009	31.881	TRUE	5.24E-08
Non-allergic asthma	UNC13D	cg23470227	rs113062332	A	G	-0.440	0.071	0.030	4.74E-10	0.074	0.049	0.126	0.010	38.762	TRUE	2.19E-09
Non-allergic asthma	UNC13D	cg23470227	rs12325726	T	C	-0.213	0.032	0.167	3.19E-11	-0.036	0.020	0.075	0.012	44.033	TRUE	2.06E-10
Non-allergic asthma	UNC13D	cg23470227	rs145224941	C	T	-0.622	0.092	0.014	1.59E-11	0.043	0.050	0.397	0.012	45.398	TRUE	5.00E-11
Non-allergic asthma	UNC13D	cg23470227	rs147677775	A	G	-0.413	0.066	0.031	4.20E-10	-0.029	0.076	0.699	0.010	38.995	TRUE	8.26E-10
Non-allergic asthma	UNC13D	cg23470227	rs2071193	A	G	0.273	0.023	0.425	6.68E-32	0.001	0.016	0.973	0.036	138.098	TRUE	4.76E-31
Non-allergic asthma	UNC13D	cg23470227	rs2305914	T	C	-0.449	0.049	0.068	2.61E-20	-0.040	0.034	0.243	0.023	85.219	TRUE	2.58E-19
Non-allergic asthma	UNC13D	cg23470227	rs4788909	G	C	-0.347	0.030	0.201	2.14E-31	-0.018	0.020	0.374	0.035	135.784	TRUE	4.83E-30
Non-allergic asthma	UNC13D	cg23470227	rs56321017	T	C	-0.512	0.087	0.019	3.54E-09	0.024	0.057	0.669	0.009	34.844	TRUE	6.73E-09
Non-allergic asthma	UNC13D	cg23470227	rs62090776	T	G	-0.343	0.041	0.094	9.02E-17	0.029	0.043	0.501	0.018	69.136	TRUE	3.79E-16
Non-allergic asthma	UNC13D	cg23470227	rs7216655	A	G	0.521	0.068	0.066	1.60E-14	-0.025	0.025	0.315	0.016	58.940	TRUE	7.59E-14
Non-allergic asthma	UNC13D	cg23470227	rs7217719	C	T	-0.241	0.025	0.344	9.98E-23	0.005	0.018	0.785	0.025	96.226	TRUE	4.42E-22
Non-allergic asthma	UNC13D	cg23470227	rs9900933	C	T	-0.831	0.022	0.348	<1E-200	0.052	0.017	0.002	0.287	1485.716	TRUE	3.59E-279
Non-allergic asthma	UNC13D	cg23891399	rs12325726	T	C	-0.212	0.032	0.167	4.34E-11	-0.036	0.020	0.075	0.012	43.429	TRUE	2.75E-10
Non-allergic asthma	UNC13D	cg23891399	rs12601118	A	C	-0.430	0.044	0.074	7.14E-23	0.035	0.033	0.301	0.026	96.890	TRUE	7.87E-22
Non-allergic asthma	UNC13D	cg23891399	rs144456260	A	G	0.425	0.078	0.030	4.92E-08	0.030	0.055	0.583	0.008	29.731	TRUE	9.41E-08
Non-allergic asthma	UNC13D	cg23891399	rs145224941	C	T	-0.636	0.092	0.014	5.70E-12	0.043	0.050	0.397	0.013	47.406	TRUE	1.87E-11
Non-allergic asthma	UNC13D	cg23891399	rs2071193	A	G	0.319	0.023	0.425	3.78E-43	0.001	0.016	0.973	0.049	189.552	TRUE	8.37E-42
Non-allergic asthma	UNC13D	cg23891399	rs2598431	G	A	0.303	0.052	0.052	6.12E-09	0.026	0.043	0.544	0.009	33.778	TRUE	1.30E-08
Non-allergic asthma	UNC13D	cg23891399	rs3744011	T	C	-0.687	0.059	0.048	1.54E-31	-0.015	0.037	0.688	0.036	136.447	TRUE	1.78E-30
Non-allergic asthma	UNC13D	cg23891399	rs4485425	A	G	-0.861	0.023	0.301	<1E-200	0.045	0.019	0.018	0.281	1442.108	TRUE	5.22E-273
Non-allergic asthma	UNC13D	cg23891399	rs62090776	T	G	-0.360	0.041	0.094	2.80E-18	0.029	0.043	0.501	0.020	75.985	TRUE	1.34E-17
Non-allergic asthma	UNC13D	cg23891399	rs7216655	A	G	0.486	0.068	0.066	8.43E-13	-0.025	0.025	0.315	0.014	51.153	TRUE	3.40E-12
Non-allergic asthma	UNC13D	cg23891399	rs75988962	T	C	-0.636	0.036	0.117	2.96E-69	0.026	0.026	0.320	0.077	309.224	TRUE	1.55E-65
Non-allergic asthma	UNC13D	cg23891399	rs9900702	C	T	-0.618	0.082	0.022	5.15E-14	0.022	0.057	0.701	0.015	56.641	TRUE	1.32E-13
Non-allergic asthma	USP36	cg00945209	rs111356746	G	T	-0.275	0.046	0.067	3.10E-09	-0.005	0.037	0.895	0.009	35.100	TRUE	4.78E-09

Non-allergic asthma	USP36	cg00945209	rs34099527	C	G	-0.399	0.051	0.056	6.11E-15	-0.007	0.032	0.827	0.016	60.834	TRUE	1.43E-14
Non-allergic asthma	USP36	cg00945209	rs3744800	G	A	-0.314	0.024	0.435	2.69E-40	0.020	0.016	0.217	0.046	176.498	TRUE	2.94E-38
Non-allergic asthma	USP36	cg00945209	rs62075637	C	G	0.167	0.030	0.185	2.61E-08	-0.022	0.020	0.264	0.008	30.958	TRUE	7.49E-08
Non-allergic asthma	USP36	cg00945209	rs7502935	A	G	0.161	0.026	0.318	3.40E-10	0.002	0.017	0.882	0.011	39.407	TRUE	5.60E-10
Non-allergic asthma	USP36	cg01449677	rs3744799	T	C	-0.184	0.023	0.434	3.45E-15	0.020	0.016	0.216	0.016	61.958	TRUE	2.17E-14
Non-allergic asthma	USP36	cg05380734	rs11077400	G	A	0.258	0.028	0.231	1.52E-20	0.012	0.020	0.543	0.023	86.292	TRUE	8.22E-20
Non-allergic asthma	USP36	cg05380734	rs12453433	A	G	-0.155	0.025	0.340	4.78E-10	0.002	0.017	0.925	0.010	38.746	TRUE	7.48E-10
Non-allergic asthma	USP36	cg05380734	rs147280325	A	G	0.736	0.115	0.011	1.46E-10	0.071	0.075	0.342	0.011	41.058	TRUE	4.59E-10
Non-allergic asthma	USP36	cg05380734	rs2054624	T	C	-0.221	0.031	0.194	5.90E-13	0.051	0.021	0.014	0.014	51.851	TRUE	8.36E-12
Non-allergic asthma	USP36	cg05380734	rs35273233	A	G	0.521	0.030	0.182	2.44E-68	-0.017	0.019	0.389	0.076	305.026	TRUE	8.31E-65
Non-allergic asthma	USP36	cg05380734	rs7221314	G	A	-0.236	0.025	0.308	5.85E-21	-0.022	0.016	0.181	0.023	88.173	TRUE	7.48E-20
Non-allergic asthma	USP36	cg06146665	rs10852713	G	A	-0.308	0.023	0.499	1.76E-39	0.033	0.016	0.040	0.045	172.766	TRUE	6.19E-37
Non-allergic asthma	USP36	cg06146665	rs112214887	G	A	0.473	0.030	0.194	9.86E-58	-0.014	0.019	0.451	0.065	256.378	TRUE	5.17E-55
Non-allergic asthma	USP36	cg06146665	rs113712972	A	G	-0.512	0.065	0.036	3.85E-15	0.003	0.038	0.936	0.016	61.741	TRUE	8.03E-15
Non-allergic asthma	USP36	cg06146665	rs11652571	T	G	-0.176	0.029	0.211	1.31E-09	0.007	0.019	0.694	0.010	36.779	TRUE	2.50E-09
Non-allergic asthma	USP36	cg06146665	rs117389925	A	G	-0.550	0.076	0.025	3.78E-13	-0.045	0.095	0.632	0.014	52.727	TRUE	9.93E-13
Non-allergic asthma	USP36	cg06146665	rs147280325	A	G	1.009	0.115	0.011	1.23E-18	0.071	0.075	0.342	0.021	77.607	TRUE	8.14E-18
Non-allergic asthma	USP36	cg06146665	rs150762586	T	C	-0.833	0.103	0.015	6.35E-16	-0.214	0.125	0.087	0.017	65.289	TRUE	6.81E-15
Non-allergic asthma	USP36	cg06146665	rs2054624	T	C	-0.817	0.029	0.194	1.71E-171	0.051	0.021	0.014	0.174	778.880	TRUE	7.30E-155
Non-allergic asthma	USP36	cg06146665	rs57556322	G	A	-0.154	0.028	0.237	2.15E-08	-0.034	0.019	0.077	0.008	31.340	TRUE	9.61E-08
Non-allergic asthma	USP36	cg06146665	rs71385991	C	T	-0.755	0.074	0.022	1.45E-24	0.267	0.105	0.011	0.028	104.608	TRUE	1.18E-22
Non-allergic asthma	USP36	cg06146665	rs72849504	T	C	0.330	0.046	0.165	1.26E-12	0.008	0.020	0.687	0.013	50.357	TRUE	2.99E-12
Non-allergic asthma	USP36	cg06146665	rs931226	T	C	0.306	0.055	0.050	2.01E-08	-0.071	0.041	0.086	0.008	31.464	TRUE	8.76E-08
Non-allergic asthma	USP36	cg06146665	rs9912418	C	T	0.208	0.024	0.385	7.13E-18	-0.010	0.016	0.548	0.020	74.139	TRUE	3.06E-17
Non-allergic asthma	USP36	cg07385573	rs3744802	G	A	-0.302	0.023	0.461	2.43E-38	0.029	0.016	0.075	0.043	167.546	TRUE	4.78E-36
Non-allergic asthma	USP36	cg07385573	rs58951893	G	A	0.179	0.028	0.214	2.52E-10	0.000	0.019	0.986	0.011	39.997	TRUE	3.77E-10
Non-allergic asthma	USP36	cg07385573	rs7502935	A	G	0.147	0.026	0.318	8.87E-09	0.002	0.017	0.882	0.009	33.056	TRUE	1.35E-08
Non-allergic asthma	USP36	cg10256330	rs11077397	C	T	-0.365	0.023	0.488	9.63E-56	0.030	0.016	0.060	0.063	247.255	TRUE	3.09E-52
Non-allergic asthma	USP36	cg10256330	rs111356746	G	T	-0.290	0.046	0.067	3.97E-10	-0.005	0.037	0.895	0.010	39.108	TRUE	6.42E-10
Non-allergic asthma	USP36	cg10256330	rs12952382	G	T	-0.182	0.024	0.384	1.05E-13	0.019	0.016	0.234	0.015	55.250	TRUE	5.42E-13
Non-allergic asthma	USP36	cg10256330	rs2003241	C	T	-0.276	0.042	0.083	4.99E-11	-0.006	0.032	0.856	0.012	43.158	TRUE	8.85E-11
Non-allergic asthma	USP36	cg10256330	rs34695023	T	A	-0.349	0.051	0.056	7.25E-12	-0.007	0.032	0.830	0.013	46.934	TRUE	1.39E-11
Non-allergic asthma	USP36	cg15465367	rs12604076	T	C	0.423	0.023	0.485	6.36E-76	0.030	0.016	0.065	0.084	339.822	TRUE	6.74E-71
Non-allergic asthma	USP36	cg15465367	rs12949048	A	G	-0.162	0.025	0.339	9.12E-11	-0.011	0.016	0.486	0.011	41.979	TRUE	2.39E-10
Non-allergic asthma	USP36	cg15465367	rs55666909	C	G	0.329	0.047	0.075	1.72E-12	0.002	0.033	0.946	0.013	49.755	TRUE	3.02E-12
Non-allergic asthma	USP36	cg17278466	rs12604076	T	C	0.357	0.023	0.485	6.30E-54	0.030	0.016	0.065	0.061	238.934	TRUE	1.40E-50
Non-allergic asthma	USP36	cg17278466	rs12948478	G	A	-0.141	0.025	0.347	1.33E-08	-0.005	0.016	0.748	0.009	32.275	TRUE	2.25E-08
Non-allergic asthma	USP36	cg17910470	rs2003241	C	T	0.244	0.042	0.083	6.34E-09	-0.006	0.032	0.856	0.009	33.709	TRUE	9.95E-09
Non-allergic asthma	USP36	cg17910470	rs4796817	T	C	0.325	0.038	0.216	2.03E-17	-0.004	0.021	0.841	0.019	72.073	TRUE	5.56E-17
Non-allergic asthma	USP36	cg17910470	rs55925734	T	C	-0.171	0.031	0.183	3.23E-08	0.054	0.021	0.009	0.008	30.545	TRUE	2.45E-07
Non-allergic asthma	USP36	cg19024575	rs9900681	A	C	-0.146	0.023	0.462	4.69E-10	0.023	0.016	0.154	0.010	38.780	TRUE	2.01E-09
Non-allergic asthma	USP36	cg20126656	rs111356746	G	T	-0.333	0.046	0.067	6.70E-13	-0.005	0.037	0.895	0.014	51.603	TRUE	1.28E-12

Non-allergic asthma	USP36	cg20126656	rs3088040	T	C	-0.410	0.023	0.461	1.22E-69	0.020	0.016	0.207	0.078	310.999	TRUE	1.19E-65
Non-allergic asthma	USP36	cg20126656	rs34099527	C	G	-0.421	0.051	0.056	1.92E-16	-0.007	0.032	0.827	0.018	67.651	TRUE	4.98E-16
Non-allergic asthma	USP36	cg20126656	rs7502935	A	G	0.174	0.026	0.318	1.21E-11	0.002	0.017	0.882	0.012	45.924	TRUE	2.17E-11
Non-allergic asthma	USP36	cg20126656	rs931226	T	C	-0.334	0.054	0.050	8.98E-10	-0.071	0.041	0.086	0.010	37.515	TRUE	4.62E-09
Non-allergic asthma	USP36	cg21840211	rs2376827	C	T	-0.177	0.032	0.160	2.39E-08	-0.018	0.023	0.429	0.008	31.130	TRUE	5.52E-08
Non-allergic asthma	USP36	cg23797032	rs3744801	G	A	-0.145	0.023	0.437	6.77E-10	0.023	0.016	0.163	0.010	38.064	TRUE	2.79E-09
Non-allergic asthma	USP36	cg23834688	rs11077399	A	G	0.163	0.026	0.297	1.60E-10	0.004	0.018	0.802	0.011	40.881	TRUE	2.91E-10
Non-allergic asthma	USP36	cg23834688	rs111356746	G	T	0.285	0.046	0.067	7.22E-10	-0.005	0.037	0.895	0.010	37.940	TRUE	1.15E-09
Non-allergic asthma	USP36	cg23834688	rs11650046	C	A	0.522	0.023	0.487	6.12E-117	0.027	0.016	0.088	0.125	528.174	TRUE	3.82E-108
Non-allergic asthma	USP36	cg23834688	rs12453433	A	G	-0.181	0.025	0.340	2.99E-13	0.002	0.017	0.925	0.014	53.187	TRUE	5.62E-13
Non-allergic asthma	USP36	cg23834688	rs12952382	G	T	0.183	0.024	0.384	6.26E-14	0.019	0.016	0.234	0.015	56.256	TRUE	3.32E-13
Non-allergic asthma	USP36	cg23834688	rs35768823	A	G	0.353	0.062	0.043	1.11E-08	-0.019	0.034	0.583	0.009	32.624	TRUE	2.22E-08
Non-allergic asthma	USP36	cg23834688	rs55666909	C	G	0.318	0.047	0.075	9.68E-12	0.002	0.033	0.946	0.012	46.367	TRUE	1.63E-11
Non-allergic asthma	USP36	cg24759654	rs2279308	A	G	-0.209	0.024	0.435	1.20E-18	0.020	0.016	0.216	0.021	77.652	TRUE	1.08E-17
Non-allergic asthma	USP36	cg27578381	rs11077400	G	A	0.212	0.028	0.231	2.77E-14	0.012	0.020	0.543	0.015	57.857	TRUE	8.93E-14
Non-allergic asthma	USP36	cg27578381	rs113048877	C	G	-0.219	0.027	0.276	1.76E-16	0.039	0.018	0.035	0.018	67.823	TRUE	2.96E-15
Non-allergic asthma	USP36	cg27578381	rs12949048	A	G	-0.196	0.025	0.339	4.65E-15	-0.011	0.016	0.486	0.016	61.372	TRUE	1.73E-14
Non-allergic asthma	USP36	cg27578381	rs62075631	T	C	0.717	0.029	0.184	3.25E-133	-0.020	0.019	0.303	0.140	602.950	TRUE	2.01E-123
Non-allergic asthma	VAMP8	cg05486094	rs62165899	T	C	-0.346	0.034	0.129	3.33E-24	-0.027	0.028	0.332	0.027	102.956	TRUE	3.90E-23
Non-allergic asthma	VAMP8	cg08379897	rs2232748	C	G	0.169	0.025	0.351	8.42E-12	-0.037	0.017	0.031	0.012	46.640	TRUE	7.91E-11
Non-allergic asthma	VAMP8	cg08379897	rs28479378	T	C	0.425	0.034	0.132	5.35E-36	-0.022	0.028	0.430	0.041	156.827	TRUE	1.75E-34
Non-allergic asthma	VAMP8	cg10632773	rs10196357	A	T	-0.914	0.033	0.129	6.79E-172	-0.027	0.028	0.332	0.174	780.720	TRUE	2.72E-157
Non-allergic asthma	VAMP8	cg10632773	rs13414113	G	A	0.175	0.024	0.423	8.48E-14	0.016	0.016	0.300	0.015	55.660	TRUE	3.86E-13
Non-allergic asthma	VAMP8	cg10632773	rs139922251	A	C	-0.400	0.056	0.051	1.25E-12	-0.138	0.058	0.018	0.013	50.383	TRUE	1.58E-11
Non-allergic asthma	VAMP8	cg10632773	rs184681180	G	A	-0.907	0.118	0.011	1.34E-14	0.020	0.077	0.792	0.016	59.290	TRUE	3.20E-14
Non-allergic asthma	VAMP8	cg10632773	rs3024798	T	G	0.135	0.024	0.368	2.39E-08	0.007	0.017	0.702	0.008	31.129	TRUE	4.18E-08
Non-allergic asthma	VAMP8	cg10632773	rs35804525	C	T	-0.277	0.029	0.177	5.11E-21	-0.020	0.020	0.314	0.023	88.443	TRUE	4.53E-20
Non-allergic asthma	VAMP8	cg10632773	rs6547629	T	A	-0.214	0.025	0.348	3.15E-18	-0.040	0.017	0.020	0.020	75.750	TRUE	8.28E-17
Non-allergic asthma	VAMP8	cg10632773	rs7589663	T	C	-0.363	0.036	0.132	2.94E-24	0.000	0.023	0.989	0.027	103.201	TRUE	1.08E-23
Non-allergic asthma	VAMP8	cg18892132	rs13406611	A	G	-0.510	0.033	0.132	8.46E-53	-0.022	0.028	0.430	0.059	233.762	TRUE	2.33E-50
Non-allergic asthma	VAMP8	cg18892132	rs62164837	T	C	0.181	0.025	0.320	1.84E-13	0.032	0.016	0.050	0.014	54.142	TRUE	1.83E-12
Non-allergic asthma	VAMP8	cg18892132	rs7355282	C	T	-0.180	0.029	0.182	6.18E-10	-0.020	0.020	0.318	0.010	38.242	TRUE	1.90E-09
Non-allergic asthma	VAMP8	cg20056908	rs112058316	C	T	-0.589	0.089	0.017	4.26E-11	-0.012	0.042	0.780	0.012	43.468	TRUE	8.21E-11
Non-allergic asthma	VAMP8	cg20056908	rs116298919	T	C	-0.804	0.095	0.017	2.99E-17	0.017	0.062	0.783	0.019	71.314	TRUE	8.71E-17
Non-allergic asthma	VAMP8	cg20056908	rs11890975	A	T	-0.256	0.030	0.188	4.68E-18	-0.016	0.018	0.399	0.020	74.970	TRUE	2.62E-17
Non-allergic asthma	VAMP8	cg20056908	rs12463933	G	A	-0.381	0.025	0.325	4.35E-53	-0.039	0.019	0.037	0.060	235.086	TRUE	1.32E-49
Non-allergic asthma	VAMP8	cg20056908	rs1254900	A	G	0.338	0.029	0.210	1.60E-30	0.030	0.021	0.143	0.034	131.794	TRUE	7.22E-29
Non-allergic asthma	VAMP8	cg20056908	rs13394092	C	T	-0.821	0.029	0.171	4.62E-173	-0.022	0.022	0.314	0.175	786.085	TRUE	3.03E-158
Non-allergic asthma	VAMP8	cg20056908	rs17026339	G	C	-0.247	0.031	0.176	3.59E-15	-0.022	0.021	0.287	0.016	61.878	TRUE	1.91E-14
Non-allergic asthma	VAMP8	cg20056908	rs184681180	G	A	-0.688	0.118	0.011	5.68E-09	0.020	0.077	0.792	0.009	33.923	TRUE	9.48E-09
Non-allergic asthma	VAMP8	cg20056908	rs4286278	T	C	0.265	0.026	0.266	4.24E-24	0.007	0.018	0.685	0.027	102.479	TRUE	2.47E-23
Non-allergic asthma	VAMP8	cg20056908	rs75830997	T	G	-0.702	0.069	0.027	1.28E-24	0.023	0.039	0.558	0.028	104.856	TRUE	9.72E-24

Non-allergic asthma	VAMP8	cg23752985	rs10779966	T	C	-0.231	0.028	0.259	1.36E-16	0.020	0.021	0.338	0.018	68.323	TRUE	7.48E-16
Non-allergic asthma	VAMP8	cg23752985	rs1109707	C	G	-0.306	0.041	0.088	1.29E-13	0.013	0.031	0.674	0.015	54.835	TRUE	3.33E-13
Non-allergic asthma	VAMP8	cg23752985	rs11311	T	C	0.223	0.037	0.110	1.15E-09	-0.044	0.021	0.038	0.010	37.024	TRUE	7.62E-09
Non-allergic asthma	VAMP8	cg23752985	rs114810648	A	G	0.431	0.052	0.050	6.42E-17	-0.059	0.035	0.089	0.019	69.806	TRUE	7.62E-16
Non-allergic asthma	VAMP8	cg23752985	rs11688432	A	G	-0.204	0.024	0.396	1.35E-17	0.017	0.016	0.283	0.019	72.875	TRUE	9.22E-17
Non-allergic asthma	VAMP8	cg23752985	rs11694208	A	G	-0.434	0.038	0.096	2.51E-30	0.002	0.031	0.936	0.034	130.903	TRUE	1.66E-29
Non-allergic asthma	VAMP8	cg23752985	rs11695312	T	C	0.378	0.033	0.140	4.75E-31	-0.025	0.025	0.315	0.035	134.206	TRUE	1.21E-29
Non-allergic asthma	VAMP8	cg23752985	rs13411109	G	A	0.801	0.020	0.425	<1E-200	-0.038	0.016	0.016	0.295	1546.701	TRUE	1.31E-290
Non-allergic asthma	VAMP8	cg23752985	rs1811783	G	A	-0.225	0.024	0.369	3.36E-20	0.004	0.016	0.802	0.022	84.721	TRUE	1.19E-19
Non-allergic asthma	VAMP8	cg23752985	rs1814414	A	G	0.183	0.028	0.234	5.18E-11	0.019	0.018	0.303	0.012	43.085	TRUE	1.81E-10
Non-allergic asthma	VAMP8	cg23752985	rs60250855	A	G	-0.162	0.027	0.262	1.44E-09	0.001	0.017	0.959	0.010	36.590	TRUE	2.13E-09
Non-allergic asthma	VAMP8	cg23752985	rs62165906	T	C	0.528	0.041	0.088	8.22E-39	0.023	0.037	0.547	0.044	169.699	TRUE	2.78E-37
Non-allergic asthma	VAMP8	cg23752985	rs6741368	A	G	0.160	0.027	0.245	5.67E-09	-0.023	0.021	0.267	0.009	33.928	TRUE	1.73E-08
Non-allergic asthma	VAMP8	cg23752985	rs72844443	T	C	-0.378	0.049	0.074	1.30E-14	0.021	0.025	0.413	0.016	59.351	TRUE	5.22E-14
Non-allergic asthma	VAMP8	cg23752985	rs73943091	A	G	0.245	0.036	0.119	1.26E-11	-0.026	0.027	0.346	0.012	45.848	TRUE	4.34E-11
Non-allergic asthma	VAMP8	cg23752985	rs74418956	A	C	0.311	0.050	0.057	5.30E-10	-0.015	0.032	0.635	0.010	38.542	TRUE	1.11E-09
Non-allergic asthma	VAMP8	cg23752985	rs78310123	A	G	-0.483	0.045	0.067	1.65E-26	0.070	0.027	0.009	0.030	113.469	TRUE	1.95E-24
Non-allergic asthma	VAMP8	cg23752985	rs78359313	A	G	0.470	0.079	0.023	3.26E-09	0.081	0.052	0.120	0.009	35.002	TRUE	1.40E-08
Non-allergic asthma	VPS26B	cg00517080	rs12278812	C	A	0.277	0.032	0.156	2.48E-18	-0.020	0.021	0.341	0.020	76.227	TRUE	1.59E-17
Non-allergic asthma	VPS26B	cg00517080	rs473798	T	C	-0.214	0.030	0.188	5.68E-13	0.007	0.022	0.746	0.014	51.927	TRUE	1.28E-12
Non-allergic asthma	VPS26B	cg00517080	rs570113	T	C	-0.379	0.024	0.348	3.54E-57	0.046	0.019	0.016	0.064	253.831	TRUE	3.87E-53
Non-allergic asthma	VPS26B	cg00517080	rs617971	A	C	0.225	0.032	0.167	2.28E-12	-0.038	0.020	0.064	0.013	49.197	TRUE	1.80E-11
Non-allergic asthma	VPS26B	cg09084200	rs10894791	G	A	0.196	0.026	0.274	7.75E-14	-0.032	0.017	0.060	0.015	55.839	TRUE	7.50E-13
Non-allergic asthma	VPS26B	cg09084200	rs75110728	G	A	0.355	0.059	0.043	2.14E-09	-0.085	0.045	0.061	0.010	35.824	TRUE	1.17E-08
Non-allergic asthma	VPS26B	cg26723847	rs12180	A	G	-0.176	0.024	0.338	3.17E-13	0.046	0.019	0.016	0.014	53.074	TRUE	4.53E-12
Non-allergic asthma	WBP2	cg12884495	rs2244377	A	G	0.139	0.024	0.350	1.13E-08	0.028	0.018	0.125	0.009	32.589	TRUE	4.46E-08
Non-allergic asthma	WBP2	cg12884495	rs79359749	A	G	0.653	0.093	0.018	2.20E-12	-0.235	0.114	0.040	0.013	49.272	TRUE	2.06E-11
Non-allergic asthma	WBP2	cg12884495	rs9903200	A	G	0.329	0.026	0.300	2.33E-37	0.019	0.019	0.321	0.042	163.050	TRUE	1.21E-35
Non-allergic asthma	WNT4	cg00356045	rs2268177	T	A	0.216	0.031	0.180	2.80E-12	-0.012	0.020	0.556	0.013	48.796	TRUE	7.58E-12
Non-allergic asthma	WNT4	cg01781529	rs2235529	T	C	-0.206	0.032	0.163	7.14E-11	-0.013	0.021	0.531	0.011	42.457	TRUE	1.79E-10
Non-allergic asthma	WNT4	cg01781529	rs6673001	A	G	-0.561	0.087	0.017	1.16E-10	-0.052	0.080	0.519	0.011	41.510	TRUE	2.90E-10
Non-allergic asthma	WNT4	cg02839875	rs12135916	G	A	0.164	0.028	0.239	5.08E-09	0.011	0.017	0.532	0.009	34.141	TRUE	1.10E-08
Non-allergic asthma	WNT4	cg02839875	rs2744718	T	C	-0.191	0.035	0.141	3.34E-08	0.001	0.020	0.973	0.008	30.481	TRUE	4.56E-08
Non-allergic asthma	WNT4	cg09938164	rs34745135	C	G	0.357	0.037	0.116	8.20E-22	0.028	0.028	0.328	0.024	92.061	TRUE	7.61E-21
Non-allergic asthma	WNT4	cg09938164	rs4655023	A	C	-0.318	0.044	0.077	3.58E-13	0.040	0.024	0.095	0.014	52.831	TRUE	2.67E-12
Non-allergic asthma	WNT4	cg09938164	rs58111733	T	G	0.241	0.040	0.105	1.55E-09	-0.031	0.026	0.220	0.010	36.454	TRUE	5.42E-09
Non-allergic asthma	WNT4	cg10606730	rs143040561	T	G	1.058	0.104	0.011	3.37E-24	-0.179	0.049	2.74E-04	0.027	102.936	TRUE	9.55E-22
Non-allergic asthma	WNT4	cg12098183	rs56408422	T	C	-0.315	0.032	0.164	1.71E-22	-0.013	0.021	0.526	0.025	95.158	TRUE	1.14E-21
Non-allergic asthma	WNT4	cg15582954	rs56318008	T	C	0.348	0.032	0.153	7.80E-27	-0.014	0.021	0.502	0.030	114.955	TRUE	8.17E-26
Non-allergic asthma	WNT4	cg15582954	rs7542242	T	C	-0.170	0.025	0.331	1.02E-11	-0.015	0.017	0.376	0.012	46.260	TRUE	3.38E-11
Non-allergic asthma	WNT4	cg17022577	rs10917123	A	G	0.158	0.028	0.223	2.19E-08	0.001	0.019	0.963	0.008	31.300	TRUE	3.04E-08
Non-allergic asthma	WNT4	cg17022577	rs2744755	C	T	-0.147	0.025	0.357	3.75E-09	0.027	0.018	0.121	0.009	34.733	TRUE	1.59E-08

Non-allergic asthma	WNT4	cg17022577	rs2807356	T	C	-0.155	0.028	0.231	2.40E-08	-0.020	0.019	0.300	0.008	31.123	TRUE	6.54E-08
Non-allergic asthma	WNT4	cg17022577	rs56408422	T	C	-0.452	0.032	0.164	4.52E-44	-0.013	0.021	0.526	0.050	193.777	TRUE	3.01E-42
Non-allergic asthma	WNT4	cg25011003	rs56318008	T	C	0.424	0.032	0.153	2.26E-39	-0.014	0.021	0.502	0.044	172.268	TRUE	9.07E-38
Non-allergic asthma	WNT4	cg25011003	rs7542242	T	C	-0.194	0.025	0.331	8.80E-15	-0.015	0.017	0.376	0.016	60.116	TRUE	3.82E-14
Non-allergic asthma	WWOX	cg00232445	rs8050128	A	C	-0.140	0.023	0.455	1.90E-09	-0.005	0.016	0.773	0.010	36.055	TRUE	3.32E-09
Non-allergic asthma	WWOX	cg00232445	rs8052888	T	C	-0.170	0.030	0.173	2.26E-08	-0.043	0.023	0.059	0.008	31.239	TRUE	1.10E-07
Non-allergic asthma	WWOX	cg01365766	rs13334444	T	G	-0.337	0.053	0.055	2.14E-10	-0.105	0.029	3.43E-04	0.011	40.316	TRUE	4.75E-09
Non-allergic asthma	WWOX	cg01608400	rs11150082	T	C	0.204	0.028	0.205	7.19E-13	-0.012	0.021	0.565	0.014	51.464	TRUE	2.01E-12
Non-allergic asthma	WWOX	cg01608400	rs2738739	C	G	0.321	0.051	0.056	2.38E-10	0.034	0.024	0.149	0.011	40.107	TRUE	1.07E-09
Non-allergic asthma	WWOX	cg01623475	rs11647295	G	A	-0.477	0.034	0.118	1.27E-45	-0.035	0.020	0.076	0.052	200.886	TRUE	7.00E-43
Non-allergic asthma	WWOX	cg01630032	rs10438629	G	C	0.233	0.030	0.187	7.36E-15	0.012	0.017	0.486	0.016	60.467	TRUE	2.69E-14
Non-allergic asthma	WWOX	cg01630032	rs11648020	G	T	0.383	0.062	0.036	7.31E-10	-0.003	0.029	0.925	0.010	37.916	TRUE	1.13E-09
Non-allergic asthma	WWOX	cg01630032	rs116918681	T	G	-0.637	0.108	0.032	3.19E-09	-0.057	0.044	0.194	0.009	35.043	TRUE	1.14E-08
Non-allergic asthma	WWOX	cg01630032	rs17706689	G	C	0.391	0.070	0.078	2.38E-08	-0.007	0.026	0.784	0.008	31.138	TRUE	3.86E-08
Non-allergic asthma	WWOX	cg01630032	rs1912803	A	C	0.406	0.046	0.064	2.16E-18	-0.005	0.031	0.884	0.020	76.498	TRUE	5.96E-18
Non-allergic asthma	WWOX	cg01630032	rs2548875	G	T	0.597	0.028	0.211	1.97E-100	0.025	0.017	0.136	0.109	452.345	TRUE	1.44E-93
Non-allergic asthma	WWOX	cg01630032	rs2548879	C	A	0.811	0.021	0.430	<1E-200	0.007	0.016	0.664	0.295	1546.804	TRUE	1.99E-294
Non-allergic asthma	WWOX	cg01630032	rs2673789	C	T	0.274	0.023	0.436	1.17E-31	-0.021	0.016	0.186	0.036	136.980	TRUE	4.99E-30
Non-allergic asthma	WWOX	cg01630032	rs2737301	T	C	-0.143	0.024	0.435	2.13E-09	-0.009	0.016	0.569	0.010	35.833	TRUE	4.57E-09
Non-allergic asthma	WWOX	cg01630032	rs2738586	G	A	0.561	0.046	0.078	2.22E-34	-0.001	0.027	0.959	0.039	149.432	TRUE	2.04E-33
Non-allergic asthma	WWOX	cg01630032	rs34466066	G	T	0.217	0.033	0.156	4.28E-11	-0.034	0.023	0.148	0.012	43.456	TRUE	2.09E-10
Non-allergic asthma	WWOX	cg01630032	rs34561764	G	C	0.604	0.057	0.048	3.33E-26	0.047	0.027	0.086	0.029	112.077	TRUE	1.23E-24
Non-allergic asthma	WWOX	cg01630032	rs3751882	G	A	0.376	0.027	0.251	3.78E-44	0.043	0.017	0.010	0.050	194.131	TRUE	6.40E-41
Non-allergic asthma	WWOX	cg01630032	rs67195249	A	T	0.753	0.032	0.137	2.44E-124	-0.007	0.023	0.769	0.132	562.170	TRUE	1.96E-116
Non-allergic asthma	WWOX	cg01630032	rs67486703	A	G	-0.168	0.031	0.175	3.72E-08	-0.044	0.023	0.053	0.008	30.272	TRUE	1.81E-07
Non-allergic asthma	WWOX	cg01630032	rs7197349	G	A	0.735	0.036	0.116	1.73E-90	0.019	0.020	0.344	0.099	406.689	TRUE	4.11E-85
Non-allergic asthma	WWOX	cg01630032	rs7206203	C	T	-0.189	0.024	0.444	8.64E-16	0.006	0.016	0.719	0.017	64.683	TRUE	2.47E-15
Non-allergic asthma	WWOX	cg01630032	rs72794707	T	C	0.688	0.107	0.012	1.29E-10	-0.001	0.119	0.993	0.011	41.298	TRUE	1.95E-10
Non-allergic asthma	WWOX	cg01630032	rs73576805	G	T	0.447	0.079	0.024	1.41E-08	-0.015	0.037	0.675	0.009	32.152	TRUE	2.57E-08
Non-allergic asthma	WWOX	cg01630032	rs75887935	C	T	0.334	0.045	0.075	1.87E-13	-0.018	0.028	0.523	0.014	54.112	TRUE	5.78E-13
Non-allergic asthma	WWOX	cg01630032	rs76887953	G	T	0.739	0.086	0.019	1.04E-17	-0.035	0.077	0.648	0.019	73.393	TRUE	3.79E-17
Non-allergic asthma	WWOX	cg01630032	rs78136943	G	A	0.545	0.062	0.036	1.97E-18	-0.037	0.053	0.476	0.020	76.676	TRUE	9.96E-18
Non-allergic asthma	WWOX	cg01630032	rs78404304	G	A	-0.463	0.074	0.068	4.96E-10	-0.056	0.043	0.193	0.010	38.674	TRUE	1.93E-09
Non-allergic asthma	WWOX	cg01630032	rs78505173	C	T	0.457	0.077	0.047	2.60E-09	0.019	0.033	0.566	0.009	35.446	TRUE	5.55E-09
Non-allergic asthma	WWOX	cg01630032	rs79798128	T	G	-0.642	0.079	0.054	5.17E-16	-0.022	0.048	0.640	0.017	65.693	TRUE	1.67E-15
Non-allergic asthma	WWOX	cg01785566	rs12922764	A	G	-0.145	0.023	0.425	5.33E-10	0.011	0.016	0.475	0.010	38.531	TRUE	1.33E-09
Non-allergic asthma	WWOX	cg02795629	rs391870	T	C	-0.159	0.024	0.373	5.04E-11	-0.014	0.016	0.389	0.012	43.137	TRUE	1.54E-10
Non-allergic asthma	WWOX	cg02795629	rs4888948	G	C	-0.155	0.026	0.274	4.37E-09	-0.004	0.019	0.847	0.009	34.432	TRUE	6.98E-09
Non-allergic asthma	WWOX	cg03601549	rs2738544	T	C	-0.332	0.040	0.098	1.87E-16	0.018	0.020	0.380	0.018	67.699	TRUE	9.38E-16
Non-allergic asthma	WWOX	cg03601549	rs74593660	T	C	-0.252	0.045	0.074	2.92E-08	-0.021	0.028	0.457	0.008	30.744	TRUE	6.48E-08
Non-allergic asthma	WWOX	cg03601549	rs9927678	C	T	-0.137	0.024	0.385	1.02E-08	-0.008	0.016	0.635	0.009	32.787	TRUE	1.94E-08
Non-allergic asthma	WWOX	cg04609912	rs114476113	A	G	-0.741	0.097	0.016	2.40E-14	-0.367	0.195	0.060	0.015	58.139	TRUE	2.49E-13

Non-allergic asthma	WWOX	cg04609912	rs145205608	C	G	-0.408	0.074	0.024	3.86E-08	-0.056	0.041	0.174	0.008	30.205	TRUE	1.28E-07
Non-allergic asthma	WWOX	cg04609912	rs4530150	A	G	0.253	0.041	0.087	8.68E-10	0.003	0.022	0.906	0.010	37.580	TRUE	1.37E-09
Non-allergic asthma	WWOX	cg04609912	rs59274620	C	T	-0.249	0.044	0.068	1.76E-08	-0.018	0.039	0.638	0.009	31.726	TRUE	3.29E-08
Non-allergic asthma	WWOX	cg04609912	rs8048266	C	A	0.140	0.024	0.400	4.00E-09	-0.019	0.016	0.236	0.009	34.607	TRUE	1.30E-08
Non-allergic asthma	WWOX	cg04609912	rs8052888	T	C	0.284	0.031	0.173	1.18E-20	-0.043	0.023	0.059	0.023	86.793	TRUE	2.68E-19
Non-allergic asthma	WWOX	cg04609912	rs9928690	G	A	-0.139	0.024	0.402	4.02E-09	0.002	0.016	0.902	0.009	34.594	TRUE	6.12E-09
Non-allergic asthma	WWOX	cg04609912	rs9940348	T	C	-0.606	0.032	0.149	1.09E-80	-0.024	0.022	0.288	0.089	361.688	TRUE	5.09E-76
Non-allergic asthma	WWOX	cg06252160	rs67933378	A	G	-0.184	0.032	0.159	6.54E-09	-0.050	0.023	0.028	0.009	33.650	TRUE	4.19E-08
Non-allergic asthma	WWOX	cg07207813	rs16947616	G	A	-0.838	0.097	0.015	8.03E-18	-0.129	0.163	0.430	0.020	73.906	TRUE	4.16E-17
Non-allergic asthma	WWOX	cg07207813	rs4888815	G	C	-0.188	0.025	0.310	4.69E-14	-0.011	0.017	0.531	0.015	56.826	TRUE	1.51E-13
Non-allergic asthma	WWOX	cg07207813	rs58980559	G	A	-0.323	0.036	0.122	2.22E-19	0.007	0.020	0.714	0.021	80.986	TRUE	8.38E-19
Non-allergic asthma	WWOX	cg07207813	rs7189823	T	G	-0.956	0.041	0.082	5.28E-119	-0.004	0.030	0.893	0.127	537.656	TRUE	7.67E-112
Non-allergic asthma	WWOX	cg07207813	rs7193816	A	G	-0.221	0.040	0.096	3.74E-08	-0.011	0.022	0.617	0.008	30.262	TRUE	6.99E-08
Non-allergic asthma	WWOX	cg07493562	rs28529286	T	C	0.471	0.065	0.066	4.50E-13	0.029	0.030	0.337	0.014	52.384	TRUE	1.79E-12
Non-allergic asthma	WWOX	cg07493562	rs4430758	G	A	-0.166	0.027	0.248	6.56E-10	-0.017	0.019	0.366	0.010	38.126	TRUE	1.88E-09
Non-allergic asthma	WWOX	cg07493562	rs7500549	T	C	-0.137	0.023	0.464	4.25E-09	0.009	0.016	0.576	0.009	34.486	TRUE	8.85E-09
Non-allergic asthma	WWOX	cg07674304	rs11640157	A	C	-0.397	0.059	0.041	1.21E-11	-0.024	0.033	0.467	0.012	45.927	TRUE	3.50E-11
Non-allergic asthma	WWOX	cg07674304	rs11641340	G	A	-0.301	0.043	0.083	1.93E-12	-0.043	0.027	0.112	0.013	49.528	TRUE	1.23E-11
Non-allergic asthma	WWOX	cg07674304	rs12446075	G	A	-0.148	0.025	0.295	5.78E-09	-0.008	0.017	0.625	0.009	33.888	TRUE	1.13E-08
Non-allergic asthma	WWOX	cg07674304	rs12598440	C	T	-0.271	0.023	0.453	1.62E-31	0.001	0.016	0.968	0.036	136.336	TRUE	1.13E-30
Non-allergic asthma	WWOX	cg07674304	rs12929743	C	G	-0.162	0.028	0.225	1.17E-08	0.012	0.017	0.485	0.009	32.511	TRUE	2.61E-08
Non-allergic asthma	WWOX	cg07674304	rs12931246	C	G	-0.225	0.033	0.144	5.31E-12	-0.040	0.025	0.113	0.013	47.542	TRUE	3.21E-11
Non-allergic asthma	WWOX	cg07674304	rs149327916	A	T	-0.738	0.093	0.015	1.81E-15	0.027	0.038	0.482	0.017	63.227	TRUE	7.03E-15
Non-allergic asthma	WWOX	cg07674304	rs2738552	C	G	-0.249	0.034	0.139	4.14E-13	0.018	0.020	0.368	0.014	52.546	TRUE	1.57E-12
Non-allergic asthma	WWOX	cg07674304	rs2738740	G	T	-0.348	0.040	0.094	2.60E-18	-0.013	0.030	0.667	0.020	76.127	TRUE	9.68E-18
Non-allergic asthma	WWOX	cg07674304	rs3743681	A	C	-0.959	0.038	0.101	2.10E-142	-0.002	0.025	0.939	0.149	645.179	TRUE	9.18E-133
Non-allergic asthma	WWOX	cg07674304	rs4513111	T	C	-0.558	0.043	0.077	9.99E-38	-0.032	0.031	0.305	0.043	164.735	TRUE	5.72E-36
Non-allergic asthma	WWOX	cg07674304	rs62034038	A	G	-0.333	0.060	0.039	3.27E-08	-0.027	0.054	0.621	0.008	30.524	TRUE	6.11E-08
Non-allergic asthma	WWOX	cg07674304	rs9923563	C	T	-0.245	0.028	0.226	1.78E-18	0.028	0.017	0.091	0.020	76.881	TRUE	2.51E-17
Non-allergic asthma	WWOX	cg08173834	rs28609420	G	T	-0.293	0.053	0.055	4.30E-08	-0.053	0.045	0.235	0.008	29.993	TRUE	1.26E-07
Non-allergic asthma	WWOX	cg08173834	rs74029558	A	C	-0.909	0.109	0.012	8.03E-17	-0.071	0.139	0.609	0.018	69.364	TRUE	2.88E-16
Non-allergic asthma	WWOX	cg08748098	rs9940608	T	C	-0.548	0.047	0.119	5.22E-31	-0.011	0.021	0.611	0.035	134.018	TRUE	6.65E-30
Non-allergic asthma	WWOX	cg09038266	rs9940536	T	C	0.262	0.025	0.315	4.26E-26	-0.010	0.017	0.570	0.029	111.590	TRUE	3.64E-25
Non-allergic asthma	WWOX	cg09437479	rs1877281	A	G	-0.211	0.028	0.212	7.25E-14	-0.007	0.019	0.699	0.015	55.969	TRUE	1.85E-13
Non-allergic asthma	WWOX	cg09437479	rs61359464	T	A	-1.259	0.130	0.011	3.04E-22	0.014	0.030	0.650	0.025	94.021	TRUE	1.60E-21
Non-allergic asthma	WWOX	cg09466698	rs117085835	A	G	-0.475	0.071	0.024	2.66E-11	0.050	0.043	0.240	0.012	44.388	TRUE	1.07E-10
Non-allergic asthma	WWOX	cg09466698	rs11864315	T	C	-0.173	0.028	0.202	1.13E-09	0.001	0.017	0.934	0.010	37.061	TRUE	1.72E-09
Non-allergic asthma	WWOX	cg09466698	rs142789964	T	C	-0.869	0.159	0.014	4.98E-08	-0.041	0.112	0.712	0.008	29.707	TRUE	8.45E-08
Non-allergic asthma	WWOX	cg09466698	rs34451070	G	C	-0.714	0.086	0.018	1.50E-16	0.070	0.064	0.271	0.018	68.136	TRUE	9.44E-16
Non-allergic asthma	WWOX	cg09466698	rs36098342	G	C	-0.302	0.026	0.302	8.30E-32	0.040	0.017	0.016	0.036	137.667	TRUE	1.64E-29
Non-allergic asthma	WWOX	cg09466698	rs3751773	T	C	0.200	0.024	0.493	2.21E-17	-0.031	0.016	0.057	0.019	71.908	TRUE	3.40E-16
Non-allergic asthma	WWOX	cg09466698	rs4888752	T	A	0.199	0.026	0.266	2.49E-14	-0.013	0.017	0.435	0.015	58.071	TRUE	9.43E-14

Non-allergic asthma	WWOX	cg09466698	rs7190035	C	T	0.214	0.025	0.316	8.80E-18	-0.003	0.016	0.853	0.020	73.724	TRUE	2.43E-17
Non-allergic asthma	WWOX	cg09466698	rs7193455	A	T	0.211	0.026	0.298	3.19E-16	-0.014	0.017	0.383	0.018	66.644	TRUE	1.56E-15
Non-allergic asthma	WWOX	cg09466698	rs7200742	T	C	-0.728	0.027	0.221	1.06E-160	0.043	0.020	0.034	0.165	729.272	TRUE	4.96E-146
Non-allergic asthma	WWOX	cg09466698	rs7204985	A	G	0.201	0.025	0.307	3.03E-15	-0.020	0.018	0.273	0.017	62.211	TRUE	1.68E-14
Non-allergic asthma	WWOX	cg09466698	rs72806827	A	G	0.230	0.034	0.139	9.40E-12	-0.107	0.030	4.24E-04	0.012	46.424	TRUE	2.61E-10
Non-allergic asthma	WWOX	cg09466698	rs9928004	C	A	0.188	0.024	0.432	2.51E-15	0.001	0.016	0.942	0.017	62.586	TRUE	5.25E-15
Non-allergic asthma	WWOX	cg09466698	rs9933874	T	A	0.219	0.037	0.109	3.54E-09	-0.087	0.031	0.005	0.009	34.840	TRUE	3.62E-08
Non-allergic asthma	WWOX	cg10001715	rs2077576	C	T	-0.248	0.041	0.088	1.32E-09	-0.066	0.030	0.027	0.010	36.758	TRUE	9.58E-09
Non-allergic asthma	WWOX	cg10001715	rs35272142	A	C	0.174	0.031	0.177	2.64E-08	0.026	0.022	0.236	0.008	30.936	TRUE	7.93E-08
Non-allergic asthma	WWOX	cg10001715	rs4074541	C	A	-0.222	0.025	0.309	5.93E-19	-0.021	0.016	0.192	0.021	79.047	TRUE	5.91E-18
Non-allergic asthma	WWOX	cg10001715	rs7199349	G	T	-0.405	0.024	0.379	1.91E-64	0.024	0.016	0.145	0.072	287.158	TRUE	1.15E-60
Non-allergic asthma	WWOX	cg10001715	rs72792342	G	T	-0.745	0.049	0.050	1.73E-51	0.063	0.041	0.127	0.058	227.753	TRUE	1.49E-48
Non-allergic asthma	WWOX	cg10001715	rs72803903	T	C	-0.667	0.115	0.012	6.78E-09	0.025	0.116	0.829	0.009	33.580	TRUE	1.09E-08
Non-allergic asthma	WWOX	cg10001715	rs9933749	T	G	0.218	0.024	0.423	3.27E-20	0.010	0.016	0.515	0.022	84.772	TRUE	1.81E-19
Non-allergic asthma	WWOX	cg10466626	rs11641434	C	T	-0.293	0.038	0.092	2.07E-14	-0.009	0.031	0.779	0.016	58.434	TRUE	4.97E-14
Non-allergic asthma	WWOX	cg10466626	rs12446679	T	G	-0.752	0.094	0.029	1.09E-15	0.050	0.042	0.236	0.017	64.234	TRUE	6.82E-15
Non-allergic asthma	WWOX	cg10855967	rs11545028	T	C	-0.522	0.024	0.345	4.55E-102	0.047	0.016	0.004	0.111	459.863	TRUE	1.56E-93
Non-allergic asthma	WWOX	cg10855967	rs17775590	T	G	0.240	0.028	0.216	1.61E-17	-0.029	0.021	0.163	0.019	72.535	TRUE	1.51E-16
Non-allergic asthma	WWOX	cg10855967	rs71396130	A	G	-0.235	0.025	0.304	1.23E-20	0.019	0.016	0.222	0.023	86.712	TRUE	1.33E-19
Non-allergic asthma	WWOX	cg10855967	rs719743	C	A	0.182	0.026	0.275	1.86E-12	-0.018	0.017	0.278	0.013	49.601	TRUE	7.77E-12
Non-allergic asthma	WWOX	cg10855967	rs72800913	G	A	0.220	0.035	0.131	2.27E-10	-0.041	0.025	0.109	0.011	40.201	TRUE	1.15E-09
Non-allergic asthma	WWOX	cg10855967	rs8049744	A	T	-0.383	0.062	0.037	7.56E-10	0.074	0.069	0.286	0.010	37.849	TRUE	2.43E-09
Non-allergic asthma	WWOX	cg10855967	rs889418	A	G	-0.254	0.030	0.189	1.82E-17	0.054	0.022	0.012	0.019	72.288	TRUE	5.18E-16
Non-allergic asthma	WWOX	cg16747717	rs4888775	G	A	-0.131	0.023	0.392	2.33E-08	0.003	0.016	0.870	0.008	31.179	TRUE	3.50E-08
Non-allergic asthma	WWOX	cg16747717	rs78481124	T	C	-0.936	0.130	0.010	6.49E-13	0.028	0.037	0.443	0.014	51.664	TRUE	2.15E-12
Non-allergic asthma	WWOX	cg26691179	rs55663738	T	C	-0.193	0.035	0.132	3.81E-08	0.041	0.026	0.115	0.008	30.226	TRUE	1.46E-07
Non-allergic asthma	WWOX	cg26691179	rs77451018	C	T	0.183	0.032	0.166	6.90E-09	0.039	0.022	0.079	0.009	33.544	TRUE	3.28E-08
Non-allergic asthma	WWOX	cg26691179	rs9319519	A	G	-0.224	0.024	0.400	6.07E-21	-0.032	0.016	0.045	0.023	88.100	TRUE	1.64E-19
Non-allergic asthma	WWOX	cg27002639	rs78668939	T	C	-0.608	0.097	0.012	2.95E-10	0.030	0.036	0.417	0.011	39.686	TRUE	8.12E-10
Non-allergic asthma	WWOX	cg27109907	rs7205541	A	G	0.184	0.024	0.401	1.32E-14	0.001	0.016	0.958	0.016	59.311	TRUE	2.60E-14
Non-allergic asthma	YAP1	cg05260877	rs1426398	T	C	0.141	0.023	0.450	1.56E-09	0.037	0.016	0.020	0.010	36.436	TRUE	1.21E-08
Non-allergic asthma	YAP1	cg05260877	rs7934774	A	G	-0.163	0.024	0.495	5.13E-12	0.002	0.016	0.915	0.013	47.610	TRUE	9.07E-12
Non-allergic asthma	YAP1	cg20782778	rs11224859	C	T	0.144	0.026	0.261	4.74E-08	0.021	0.016	0.192	0.008	29.803	TRUE	1.50E-07
Non-allergic asthma	YAP1	cg20782778	rs11225132	G	A	0.512	0.022	0.457	1.29E-114	0.036	0.016	0.020	0.123	517.491	TRUE	2.31E-105
Non-allergic asthma	YAP1	cg20782778	rs11225138	C	G	0.309	0.044	0.080	2.05E-12	-0.019	0.032	0.555	0.013	49.407	TRUE	5.62E-12
Non-allergic asthma	YAP1	cg20782778	rs11225148	G	A	0.405	0.057	0.043	1.77E-12	0.061	0.036	0.088	0.013	49.693	TRUE	1.26E-11
Non-allergic asthma	YAP1	cg20782778	rs112481395	A	G	0.266	0.048	0.064	4.11E-08	0.069	0.032	0.033	0.008	30.081	TRUE	2.25E-07
Non-allergic asthma	YAP1	cg20782778	rs11604260	A	G	-0.342	0.059	0.037	6.08E-09	-0.067	0.055	0.224	0.009	33.791	TRUE	1.99E-08
Non-allergic asthma	YAP1	cg20782778	rs2219168	G	C	0.156	0.025	0.316	7.33E-10	0.006	0.019	0.740	0.010	37.911	TRUE	1.36E-09
Non-allergic asthma	YAP1	cg20782778	rs3740931	G	A	0.164	0.023	0.484	2.72E-12	-0.002	0.016	0.892	0.013	48.857	TRUE	5.00E-12
Non-allergic asthma	YAP1	cg20782778	rs61915443	T	C	-0.161	0.025	0.321	5.16E-11	0.003	0.017	0.856	0.012	43.091	TRUE	9.15E-11
Non-allergic asthma	YWHAE	cg23643343	rs11653079	G	A	-0.175	0.029	0.212	8.99E-10	-0.002	0.021	0.917	0.010	37.513	TRUE	1.40E-09

Non-allergic asthma	YWHAE	cg23643343	rs144287161	C	G	0.418	0.063	0.033	3.55E-11	0.031	0.063	0.621	0.012	43.825	TRUE	8.17E-11
Non-allergic asthma	YWHAE	cg23643343	rs28365859	G	C	0.243	0.025	0.309	7.29E-22	-0.042	0.017	0.011	0.024	92.292	TRUE	4.00E-20
Non-allergic asthma	YWHAE	cg23643343	rs8079364	G	A	-0.182	0.030	0.205	8.52E-10	0.012	0.019	0.521	0.010	37.617	TRUE	1.99E-09
Non-allergic asthma	YWHAE	cg23643343	rs9901229	T	C	-0.172	0.031	0.177	3.14E-08	0.041	0.022	0.055	0.008	30.605	TRUE	1.52E-07
Non-allergic asthma	ZEB1	cg00520933	rs12572002	A	G	-0.346	0.056	0.044	7.87E-10	-0.028	0.045	0.534	0.010	37.772	TRUE	1.81E-09
Non-allergic asthma	ZEB1	cg00520933	rs161278	C	A	-0.616	0.052	0.050	5.20E-32	-0.040	0.031	0.200	0.036	138.596	TRUE	2.17E-30
Non-allergic asthma	ZEB1	cg03719128	rs17295682	T	A	-0.334	0.056	0.042	1.73E-09	-0.034	0.032	0.289	0.010	36.236	TRUE	5.35E-09
Non-allergic asthma	ZEB1	cg13303654	rs4749683	C	A	-0.206	0.025	0.370	8.49E-17	-0.006	0.016	0.701	0.018	69.255	TRUE	2.67E-16
Non-allergic asthma	ZEB1	cg13303654	rs76146492	G	C	0.270	0.043	0.080	2.25E-10	0.014	0.024	0.556	0.011	40.213	TRUE	5.27E-10
Non-allergic asthma	ZEB1	cg13303654	rs7924137	T	C	0.202	0.024	0.377	3.64E-17	0.035	0.017	0.038	0.019	70.926	TRUE	6.48E-16
Non-allergic asthma	ZEB1	cg24861272	rs57914422	A	G	-0.323	0.056	0.046	7.51E-09	-0.142	0.073	0.052	0.009	33.379	TRUE	4.03E-08
Non-allergic asthma	ZEB1	cg24861272	rs7911781	T	A	-0.543	0.052	0.050	3.62E-25	-0.040	0.031	0.199	0.028	107.353	TRUE	6.90E-24
Non-allergic asthma	ZMYND11	cg09859564	rs118088467	A	G	0.540	0.059	0.039	4.69E-20	-0.032	0.048	0.504	0.022	84.060	TRUE	2.61E-19
Non-allergic asthma	ZMYND11	cg16346588	rs112223021	C	T	0.831	0.129	0.018	1.34E-10	0.006	0.073	0.931	0.011	41.222	TRUE	2.15E-10
Non-allergic asthma	ZMYND11	cg16346588	rs11250781	T	A	1.086	0.018	0.298	<1E-200	0.007	0.016	0.676	0.496	3641.800	TRUE	<1E-200
Non-allergic asthma	ZMYND11	cg16346588	rs11252614	A	G	-0.413	0.054	0.047	1.70E-14	0.028	0.045	0.531	0.016	58.821	TRUE	5.66E-14
Non-allergic asthma	ZMYND11	cg16346588	rs11252681	A	G	-0.356	0.055	0.042	8.90E-11	-0.030	0.034	0.381	0.011	42.027	TRUE	2.69E-10
Non-allergic asthma	ZMYND11	cg16346588	rs11253289	A	G	0.490	0.062	0.036	2.89E-15	-0.032	0.045	0.482	0.017	62.304	TRUE	1.10E-14
Non-allergic asthma	ZMYND11	cg16346588	rs117744038	C	T	-0.438	0.070	0.033	3.92E-10	-0.023	0.046	0.617	0.010	39.130	TRUE	8.43E-10
Non-allergic asthma	ZMYND11	cg16346588	rs12248939	A	G	0.366	0.031	0.180	1.16E-32	-0.007	0.023	0.754	0.037	141.579	TRUE	1.32E-31
Non-allergic asthma	ZMYND11	cg16346588	rs141458594	T	C	0.891	0.117	0.020	2.38E-14	0.039	0.048	0.414	0.015	58.160	TRUE	9.33E-14
Non-allergic asthma	ZMYND11	cg16346588	rs150191422	C	T	0.565	0.085	0.019	2.24E-11	0.050	0.060	0.403	0.012	44.722	TRUE	6.92E-11
Non-allergic asthma	ZMYND11	cg16346588	rs17159676	C	A	-0.414	0.063	0.041	4.56E-11	-0.056	0.030	0.059	0.012	43.335	TRUE	3.14E-10
Non-allergic asthma	ZMYND11	cg16346588	rs17221211	T	C	-0.318	0.052	0.058	6.97E-10	0.007	0.038	0.859	0.010	38.009	TRUE	1.15E-09
Non-allergic asthma	ZMYND11	cg16346588	rs2127608	T	C	-0.167	0.023	0.479	5.95E-13	0.009	0.016	0.556	0.014	51.834	TRUE	1.70E-12
Non-allergic asthma	ZMYND11	cg16346588	rs2303991	G	A	-0.460	0.040	0.099	5.74E-31	-0.020	0.027	0.451	0.035	133.831	TRUE	1.02E-29
Non-allergic asthma	ZMYND11	cg16346588	rs2379080	C	T	-0.445	0.026	0.266	7.80E-65	-0.044	0.017	0.009	0.072	288.948	TRUE	5.10E-60
Non-allergic asthma	ZMYND11	cg16346588	rs3740303	A	G	1.081	0.061	0.036	3.26E-70	0.070	0.053	0.184	0.078	313.620	TRUE	4.06E-66
Non-allergic asthma	ZMYND11	cg16346588	rs573713779	A	G	0.755	0.101	0.011	8.32E-14	-0.006	0.032	0.859	0.015	55.698	TRUE	1.75E-13
Non-allergic asthma	ZMYND11	cg16346588	rs61831030	T	C	-0.427	0.024	0.351	1.71E-70	0.010	0.017	0.557	0.078	314.913	TRUE	4.69E-67
Non-allergic asthma	ZMYND11	cg16346588	rs6560824	C	T	-0.482	0.077	0.025	4.45E-10	0.031	0.064	0.633	0.010	38.884	TRUE	9.36E-10
Non-allergic asthma	ZMYND11	cg16346588	rs72772812	T	C	0.758	0.052	0.049	4.21E-48	-0.009	0.043	0.832	0.054	212.237	TRUE	2.24E-46
Non-allergic asthma	ZMYND11	cg16346588	rs77098264	C	T	0.815	0.059	0.042	7.79E-44	0.020	0.040	0.624	0.050	192.694	TRUE	3.98E-42
Non-allergic asthma	ZMYND11	cg16346588	rs77948592	A	C	0.702	0.056	0.042	3.31E-36	0.075	0.038	0.049	0.041	157.782	TRUE	6.38E-34
Non-allergic asthma	ZMYND11	cg26100059	rs1431845	A	G	0.241	0.027	0.253	4.28E-19	-0.048	0.017	0.005	0.021	79.693	TRUE	2.14E-17
Non-allergic asthma	ZSWIM2	cg05907046	rs10210806	G	A	0.456	0.043	0.089	1.08E-26	0.069	0.032	0.033	0.030	114.317	TRUE	7.09E-25
Non-allergic asthma	ZSWIM2	cg13135031	rs28740839	G	A	0.342	0.043	0.088	9.84E-16	0.068	0.032	0.034	0.017	64.427	TRUE	1.52E-14
Non-allergic asthma	ZSWIM2	cg14762973	rs13428262	A	G	0.307	0.043	0.087	9.07E-13	0.069	0.032	0.033	0.014	51.007	TRUE	9.56E-12
Non-allergic asthma	ZSWIM2	cg16516691	rs16828310	G	A	0.301	0.043	0.086	1.98E-12	0.067	0.032	0.039	0.013	49.477	TRUE	1.88E-11
Non-allergic asthma	ZSWIM2	cg18950539	rs28740839	G	A	0.289	0.043	0.088	1.22E-11	0.068	0.032	0.034	0.012	45.907	TRUE	1.09E-10
Non-allergic asthma	ZSWIM2	cg19535896	rs10207373	C	T	0.131	0.024	0.421	3.28E-08	0.010	0.016	0.526	0.008	30.519	TRUE	6.72E-08
Non-allergic asthma	ZSWIM2	cg19535896	rs10469728	G	A	0.136	0.024	0.435	7.21E-09	0.007	0.016	0.673	0.009	33.460	TRUE	1.34E-08

Non-allergic asthma	ZSWIM2	cg19535896	rs114925704	G	A	0.432	0.067	0.034	1.34E-10	0.142	0.064	0.028	0.011	41.227	TRUE	1.10E-09
Non-allergic asthma	ZSWIM2	cg19535896	rs12479096	G	T	0.423	0.050	0.058	5.13E-17	0.043	0.033	0.202	0.019	70.250	TRUE	4.03E-16
Non-allergic asthma	ZSWIM2	cg19535896	rs2682865	G	A	0.278	0.032	0.161	1.41E-18	-0.038	0.024	0.104	0.020	77.335	TRUE	1.89E-17
Non-allergic asthma	ZSWIM2	cg19535896	rs28740839	G	A	0.985	0.041	0.088	1.43E-127	0.068	0.032	0.034	0.135	577.022	TRUE	4.34E-117
Non-allergic asthma	ZSWIM2	cg19535896	rs56136540	G	A	0.183	0.024	0.396	5.05E-14	0.003	0.017	0.836	0.015	56.680	TRUE	1.10E-13
Non-allergic asthma	ZSWIM2	cg19535896	rs575161412	T	G	0.357	0.055	0.050	7.44E-11	-0.007	0.042	0.863	0.011	42.376	TRUE	1.30E-10
Non-allergic asthma	ZSWIM2	cg19535896	rs7578256	A	G	0.611	0.074	0.025	1.01E-16	0.045	0.042	0.280	0.018	68.907	TRUE	6.37E-16
Non-allergic asthma	ZSWIM2	cg24617723	rs13428262	A	G	0.603	0.043	0.087	1.04E-45	0.069	0.032	0.033	0.052	201.270	TRUE	1.07E-42
Non-allergic asthma	ZSWIM2	cg24617723	rs7592188	G	A	-0.157	0.024	0.351	1.29E-10	0.041	0.017	0.015	0.011	41.294	TRUE	1.27E-09
Non-allergic asthma	ZSWIM2	cg26033349	rs10164824	A	C	0.252	0.039	0.104	7.50E-11	0.005	0.031	0.866	0.011	42.361	TRUE	1.30E-10
Non-allergic asthma	ZSWIM2	cg26033349	rs3114949	C	T	0.327	0.024	0.415	6.70E-43	0.006	0.017	0.724	0.048	188.415	TRUE	2.44E-41
Non-allergic asthma	ZSWIM2	cg26033349	rs3816375	G	A	-0.155	0.024	0.382	1.21E-10	-0.012	0.016	0.466	0.011	41.425	TRUE	3.23E-10
Non-allergic asthma	ZSWIM2	cg26033349	rs55729358	C	A	0.152	0.025	0.302	1.97E-09	0.035	0.020	0.076	0.010	35.985	TRUE	1.01E-08
Non-allergic asthma	ZSWIM2	cg26033349	rs6756417	G	A	-0.134	0.025	0.350	4.55E-08	0.029	0.016	0.062	0.008	29.884	TRUE	2.09E-07

PCD, programmed cell death; SNP, single nucleotide polymorphsim

Table S7. SMR analysis of associations between PCD-related gene expressions and asthma*

Outcome	Gene	topSNP	Beta	SE	OR (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
Overall asthma	ORMDL3	rs12936231	0.109	0.013	1.115 (1.087, 1.144)	4.64E-17	2.15E-14	0.025	20
Overall asthma	GSDMB	rs12936231	0.096	0.011	1.101 (1.076, 1.126)	4.34E-17	2.15E-14	0.032	20
Overall asthma	BCL2L11	rs113135335	0.607	0.108	1.835 (1.485, 2.267)	1.83E-08	5.66E-06	0.250	20
Overall asthma	IRF1	rs11741255	-0.748	0.143	0.473 (0.357, 0.627)	1.74E-07	4.03E-05	0.055	20
Overall asthma	ERBB3	rs11171739	-0.304	0.059	0.738 (0.657, 0.829)	2.68E-07	4.97E-05	0.179	20
Overall asthma	NMT1	rs9899380	0.240	0.052	1.271 (1.148, 1.408)	3.91E-06	4.52E-04	0.436	20
Overall asthma	TGFBR1	rs41283642	-0.278	0.063	0.757 (0.670, 0.856)	8.83E-06	9.08E-04	0.651	7
Overall asthma	UNC13D	rs2290769	-0.201	0.046	0.818 (0.747, 0.895)	1.17E-05	0.001	0.088	20
Overall asthma	CD70	rs2029745	-0.429	0.106	0.651 (0.529, 0.802)	5.41E-05	0.004	0.478	20
Overall asthma	ING5	rs6437282	-0.084	0.023	0.919 (0.879, 0.961)	2.16E-04	0.014	0.044	20
Overall asthma	BOK	rs6754085	-0.138	0.038	0.871 (0.809, 0.939)	3.00E-04	0.017	0.044	20
Overall asthma	CBL	rs2155380	0.127	0.035	1.136 (1.060, 1.217)	3.21E-04	0.017	0.273	20
Overall asthma	IFNG	rs2870960	0.415	0.116	1.514 (1.207, 1.900)	3.39E-04	0.017	0.321	20
Overall asthma	FNIP2	rs35747642	-0.141	0.041	0.869 (0.802, 0.941)	5.69E-04	0.028	0.102	20
Overall asthma	IDUA	rs11724804	0.114	0.034	1.121 (1.050, 1.197)	6.65E-04	0.031	0.240	20
Overall asthma	DDX5	rs1991401	0.058	0.017	1.060 (1.025, 1.096)	6.94E-04	0.031	0.187	20
Overall asthma	PRKCA	rs9901697	-0.170	0.051	0.843 (0.764, 0.931)	7.61E-04	0.032	0.238	20
Overall asthma	BMP4	rs2855530	0.373	0.121	1.451 (1.145, 1.839)	0.002	0.076	0.359	20
Overall asthma	PRKAG3	rs7603912	0.236	0.077	1.266 (1.089, 1.471)	0.002	0.078	0.522	20
Overall asthma	NR4A2	rs297588	-0.394	0.130	0.674 (0.523, 0.870)	0.002	0.082	0.052	20
Overall asthma	DAXX	rs1061783	-0.127	0.042	0.881 (0.812, 0.957)	0.003	0.085	0.040	20
Overall asthma	ZKSCAN3	rs213230	0.125	0.042	1.133 (1.044, 1.231)	0.003	0.089	0.128	20
Overall asthma	STK25	rs886809	-0.322	0.108	0.725 (0.587, 0.895)	0.003	0.089	0.086	20
Overall asthma	SNAP23	rs56357092	0.186	0.063	1.204 (1.064, 1.362)	0.003	0.094	0.587	20
Overall asthma	CASP10	rs13005094	0.237	0.082	1.267 (1.079, 1.488)	0.004	0.102	0.876	20
Overall asthma	INF2	rs76386715	0.058	0.021	1.060 (1.018, 1.104)	0.004	0.112	0.346	20
Overall asthma	CISD2	rs6822658	0.139	0.049	1.149 (1.043, 1.266)	0.005	0.117	0.060	20
Overall asthma	EIF4G2	rs2242360	-0.264	0.097	0.768 (0.635, 0.929)	0.007	0.152	0.309	20
Overall asthma	RPS27L	rs12899931	0.297	0.110	1.346 (1.085, 1.671)	0.007	0.158	0.327	20
Overall asthma	FOXK1	rs10262715	-0.079	0.030	0.924 (0.872, 0.979)	0.008	0.166	0.164	20
Overall asthma	SESN1	rs1424479	-0.067	0.025	0.935 (0.891, 0.983)	0.008	0.167	0.873	20
Overall asthma	PPID	rs2070630	-0.385	0.145	0.680 (0.512, 0.905)	0.008	0.169	0.043	19
Overall asthma	ACP2	rs4752973	0.053	0.021	1.055 (1.013, 1.098)	0.010	0.189	0.096	20
Overall asthma	TF	rs12634591	0.204	0.079	1.227 (1.051, 1.432)	0.009	0.189	0.245	20
Overall asthma	ENO1	rs914994	-0.092	0.036	0.912 (0.851, 0.978)	0.010	0.189	0.049	20
Overall asthma	BRSK2	rs11603658	0.415	0.165	1.514 (1.096, 2.092)	0.012	0.213	0.255	20
Overall asthma	PPARD	rs2299871	-0.382	0.152	0.683 (0.506, 0.921)	0.012	0.215	0.111	20
Overall asthma	MANBA	rs223364	-0.103	0.041	0.902 (0.832, 0.978)	0.013	0.219	0.043	20
Overall asthma	PIK3R1	rs4976156	-0.200	0.081	0.819 (0.699, 0.960)	0.014	0.224	0.475	20
Overall asthma	OSBPL7	rs1018903	0.209	0.085	1.232 (1.044, 1.455)	0.014	0.224	0.157	20

Overall asthma	SLC39A1	rs6724	0.105	0.043	1.111 (1.021, 1.209)	0.014	0.227	0.508	20
Overall asthma	FGR	rs34806307	0.231	0.095	1.260 (1.046, 1.517)	0.015	0.227	0.775	20
Overall asthma	TRIM8	rs11595170	-0.098	0.041	0.907 (0.837, 0.983)	0.017	0.243	0.361	20
Overall asthma	PRKAB2	rs7517655	0.066	0.028	1.068 (1.011, 1.128)	0.018	0.254	0.803	20
Overall asthma	LAPTM4A	rs12465719	-0.313	0.134	0.731 (0.563, 0.950)	0.019	0.263	0.218	20
Overall asthma	DLAT	rs10891299	-0.545	0.239	0.580 (0.363, 0.927)	0.023	0.304	0.262	20
Overall asthma	NDUFS1	rs7570646	0.327	0.145	1.387 (1.043, 1.843)	0.024	0.321	0.646	20
Overall asthma	TRIAP1	rs139052082	-0.463	0.207	0.630 (0.420, 0.944)	0.025	0.326	0.298	16
Overall asthma	RHOT1	rs7208838	0.074	0.033	1.076 (1.009, 1.148)	0.026	0.329	0.161	20
Overall asthma	ICAM1	rs281437	-0.121	0.055	0.886 (0.795, 0.988)	0.029	0.337	0.757	20
Overall asthma	KAT8	rs1060506	0.098	0.045	1.103 (1.010, 1.204)	0.030	0.337	0.046	20
Overall asthma	GSDMD	rs3889129	0.076	0.035	1.079 (1.008, 1.155)	0.028	0.337	0.752	20
Overall asthma	TRAF1	rs4310279	-0.116	0.053	0.891 (0.803, 0.989)	0.030	0.337	0.871	20
Overall asthma	DYRK2	rs1882033	-0.483	0.219	0.617 (0.401, 0.948)	0.028	0.337	0.720	20
Overall asthma	MTMR3	rs9614129	0.059	0.027	1.060 (1.005, 1.118)	0.031	0.338	0.685	20
Overall asthma	USP47	rs1979687	0.102	0.047	1.107 (1.009, 1.214)	0.031	0.338	0.336	20
Overall asthma	USP28	rs73004065	-0.254	0.118	0.776 (0.616, 0.978)	0.031	0.338	0.315	20
Overall asthma	SLC39A13	rs9919526	0.421	0.196	1.524 (1.039, 2.236)	0.031	0.338	0.020	20
Overall asthma	LAMP3	rs7619012	-0.179	0.085	0.836 (0.708, 0.987)	0.035	0.372	0.260	20
Overall asthma	GPX4	rs8103188	-0.036	0.018	0.964 (0.932, 0.998)	0.039	0.377	0.467	20
Overall asthma	TAB2	rs62425952	-0.164	0.080	0.849 (0.726, 0.992)	0.039	0.377	0.298	20
Overall asthma	TP73	rs1885864	-0.370	0.183	0.691 (0.483, 0.988)	0.043	0.396	0.137	8
Overall asthma	SLC40A1	rs7586757	0.044	0.022	1.045 (1.001, 1.091)	0.046	0.404	0.855	20
Overall asthma	GGA3	rs8079345	0.319	0.159	1.376 (1.007, 1.880)	0.045	0.404	0.085	20
Overall asthma	CASP8AP2	rs72919981	0.234	0.118	1.264 (1.003, 1.593)	0.047	0.408	0.124	20
Overall asthma	STEAP3	rs3769653	0.036	0.018	1.036 (1.000, 1.074)	0.048	0.409	0.761	20
Overall asthma	AP1S3	rs6436440	0.104	0.053	1.109 (1.001, 1.230)	0.049	0.409	0.226	20
Overall asthma	PDIA3	rs7174732	0.188	0.095	1.206 (1.001, 1.453)	0.048	0.409	0.943	20
Overall asthma	FOXO1	rs9549200	0.236	0.120	1.266 (1.000, 1.601)	0.050	0.410	0.647	20
Overall asthma	ZMPSTE24	rs6600323	0.149	0.076	1.160 (1.000, 1.346)	0.050	0.410	0.558	20
Allergic asthma	IRF1	rs11741255	-1.329	0.228	0.265 (0.169, 0.414)	5.84E-09	1.81E-06	0.076	20
Allergic asthma	ABCB9	rs11608811	-0.270	0.054	0.764 (0.687, 0.848)	4.63E-07	7.16E-05	0.166	20
Allergic asthma	CD5	rs4939489	0.304	0.075	1.355 (1.170, 1.569)	4.93E-05	0.005	0.424	20
Allergic asthma	JAK2	rs6476941	0.278	0.068	1.320 (1.155, 1.509)	4.69E-05	0.005	0.167	20
Allergic asthma	BCL2L11	rs113135335	0.551	0.138	1.736 (1.325, 2.274)	6.37E-05	0.006	0.377	20
Allergic asthma	TRIM8	rs11595170	-0.220	0.058	0.802 (0.716, 0.899)	1.49E-04	0.013	0.203	20
Allergic asthma	HTT	rs67950027	-0.559	0.154	0.572 (0.423, 0.773)	2.77E-04	0.020	0.163	20
Allergic asthma	TAB2	rs62425952	-0.435	0.121	0.647 (0.511, 0.820)	3.22E-04	0.021	0.032	20
Allergic asthma	AP1M1	rs2362484	-0.097	0.029	0.907 (0.858, 0.960)	7.23E-04	0.042	0.020	20
Allergic asthma	CHEK2	rs9620808	0.652	0.193	1.919 (1.315, 2.801)	7.24E-04	0.042	0.138	20
Allergic asthma	TRIM27	rs142403264	0.149	0.045	1.160 (1.062, 1.267)	9.35E-04	0.051	0.155	20
Allergic asthma	DDIT3	rs697221	-0.284	0.086	0.752 (0.635, 0.891)	0.001	0.052	0.249	20

Allergic asthma	ZKSCAN3	rs213230	0.230	0.071	1.258 (1.094, 1.447)	0.001	0.061	0.068	20
Allergic asthma	PHKG2	rs62622830	0.623	0.194	1.864 (1.275, 2.727)	0.001	0.062	0.073	20
Allergic asthma	GLUD1	rs11202388	0.390	0.122	1.477 (1.162, 1.876)	0.001	0.062	0.572	20
Allergic asthma	GAB2	rs1318241	0.287	0.094	1.333 (1.108, 1.603)	0.002	0.099	0.011	20
Allergic asthma	SLC40A1	rs7586757	0.095	0.032	1.099 (1.033, 1.170)	0.003	0.116	0.489	20
Allergic asthma	GLB1	rs11717007	-0.216	0.075	0.806 (0.695, 0.934)	0.004	0.133	0.025	20
Allergic asthma	MANBA	rs223354	-0.167	0.058	0.846 (0.755, 0.948)	0.004	0.133	0.294	20
Allergic asthma	ING5	rs6437282	-0.095	0.033	0.910 (0.853, 0.971)	0.004	0.133	0.179	20
Allergic asthma	TIMP3	rs929015	0.540	0.187	1.716 (1.190, 2.475)	0.004	0.133	0.797	20
Allergic asthma	MAP3K5	rs6899530	-0.081	0.029	0.922 (0.872, 0.975)	0.004	0.133	0.275	20
Allergic asthma	MOAP1	rs1046099	0.376	0.133	1.457 (1.124, 1.889)	0.005	0.136	0.892	20
Allergic asthma	KAT5	rs502468	-0.743	0.267	0.476 (0.282, 0.802)	0.005	0.154	0.215	20
Allergic asthma	GNS	rs1147093	0.228	0.082	1.256 (1.069, 1.475)	0.006	0.156	0.812	20
Allergic asthma	EYA2	rs1572053	0.814	0.295	2.257 (1.267, 4.020)	0.006	0.156	0.516	20
Allergic asthma	CD70	rs2029745	-0.389	0.143	0.678 (0.512, 0.896)	0.006	0.159	0.023	20
Allergic asthma	CAV1	rs1997276	0.611	0.223	1.843 (1.191, 2.852)	0.006	0.159	0.864	20
Allergic asthma	INCA1	rs111731283	-0.481	0.176	0.618 (0.438, 0.873)	0.006	0.159	0.043	20
Allergic asthma	NFKB1	rs11097787	-0.204	0.075	0.815 (0.704, 0.945)	0.007	0.160	0.115	20
Allergic asthma	CAMKK2	rs11065504	0.090	0.034	1.094 (1.025, 1.169)	0.007	0.162	0.061	20
Allergic asthma	CISD2	rs6822658	0.188	0.070	1.207 (1.052, 1.386)	0.007	0.162	0.621	20
Allergic asthma	STX4	rs58726213	0.103	0.038	1.108 (1.029, 1.194)	0.007	0.162	0.083	20
Allergic asthma	PTGDS	rs885070	0.124	0.046	1.132 (1.034, 1.239)	0.007	0.162	0.026	20
Allergic asthma	AGA	rs13133517	-0.045	0.017	0.956 (0.924, 0.989)	0.010	0.186	0.503	20
Allergic asthma	PPIF	rs7086293	-0.258	0.100	0.772 (0.635, 0.940)	0.010	0.186	0.297	20
Allergic asthma	HAX1	rs12750321	-0.143	0.055	0.867 (0.777, 0.966)	0.010	0.186	0.044	20
Allergic asthma	EMC2	rs957716	0.264	0.102	1.303 (1.066, 1.592)	0.010	0.186	0.576	20
Allergic asthma	FOXO1	rs9549200	0.429	0.168	1.536 (1.104, 2.137)	0.011	0.187	0.580	20
Allergic asthma	PIH1D1	rs2293012	0.141	0.055	1.151 (1.034, 1.281)	0.010	0.187	0.269	20
Allergic asthma	GNAI2	rs2097247	-0.460	0.180	0.632 (0.443, 0.900)	0.011	0.187	0.080	20
Allergic asthma	IL10RA	rs61598135	-0.163	0.067	0.850 (0.745, 0.970)	0.016	0.242	0.071	15
Allergic asthma	PTPRC	rs2230606	-0.285	0.120	0.752 (0.594, 0.951)	0.018	0.256	0.042	16
Allergic asthma	RRAGD	rs9451216	0.070	0.030	1.073 (1.012, 1.137)	0.019	0.256	0.018	20
Allergic asthma	TFRC	rs28429906	-0.132	0.056	0.876 (0.785, 0.978)	0.018	0.256	0.537	20
Allergic asthma	TRIM39	rs150506826	0.838	0.363	2.312 (1.136, 4.705)	0.021	0.280	0.059	10
Allergic asthma	MAPK3	rs55732507	-0.062	0.027	0.940 (0.892, 0.991)	0.021	0.280	0.676	20
Allergic asthma	TYROBP	rs4806227	-0.182	0.080	0.833 (0.713, 0.974)	0.022	0.280	0.724	18
Allergic asthma	HSBP1	rs707236	-0.120	0.052	0.887 (0.801, 0.983)	0.022	0.280	0.686	20
Allergic asthma	STAT5A	rs9909659	0.235	0.104	1.265 (1.032, 1.552)	0.024	0.295	0.093	20
Allergic asthma	ABL1	rs35993820	0.493	0.218	1.638 (1.068, 2.512)	0.024	0.295	0.797	14
Allergic asthma	PIK3C2A	rs511119	0.062	0.028	1.064 (1.008, 1.124)	0.024	0.295	0.840	20
Allergic asthma	YWHAB	rs2239535	-0.299	0.133	0.741 (0.571, 0.963)	0.025	0.298	0.392	20
Allergic asthma	PIK3CD	rs7511971	-0.487	0.218	0.615 (0.401, 0.942)	0.026	0.304	0.099	15

Allergic asthma	FOXK1	rs10262715	-0.100	0.045	0.905 (0.827, 0.989)	0.027	0.319	0.977	20
Allergic asthma	SERINC3	rs6103759	-0.116	0.053	0.890 (0.803, 0.987)	0.028	0.319	0.698	17
Allergic asthma	VPS33A	rs61954363	-0.519	0.238	0.595 (0.373, 0.949)	0.029	0.321	0.362	20
Allergic asthma	LIPA	rs1412444	0.033	0.015	1.033 (1.003, 1.065)	0.030	0.327	0.571	20
Allergic asthma	STK25	rs886809	-0.282	0.133	0.754 (0.582, 0.978)	0.034	0.357	0.468	20
Allergic asthma	TFEB	rs9462739	0.630	0.301	1.878 (1.042, 3.385)	0.036	0.367	0.624	20
Allergic asthma	SPATA2	rs11697848	-0.778	0.372	0.459 (0.222, 0.952)	0.036	0.367	0.031	17
Allergic asthma	SLC39A1	rs6724	0.116	0.056	1.123 (1.007, 1.253)	0.037	0.367	0.013	20
Allergic asthma	ACTB	rs4296949	0.305	0.147	1.356 (1.017, 1.809)	0.038	0.370	0.116	20
Allergic asthma	SPTLC2	rs2272587	0.076	0.037	1.079 (1.004, 1.161)	0.040	0.383	0.826	20
Allergic asthma	SLC30A7	rs41306171	0.284	0.139	1.328 (1.012, 1.743)	0.041	0.383	0.328	20
Allergic asthma	SIRT2	rs2015	0.384	0.187	1.468 (1.016, 2.119)	0.041	0.383	0.987	20
Allergic asthma	SYK	rs772407	-0.061	0.030	0.941 (0.887, 0.998)	0.043	0.384	0.987	20
Allergic asthma	MAN2B1	rs10469365	-0.046	0.023	0.955 (0.913, 0.999)	0.045	0.400	0.934	20
Allergic asthma	CASP8AP2	rs72919981	-0.361	0.181	0.697 (0.489, 0.993)	0.046	0.405	0.942	20
Allergic asthma	ZNF205	rs224178	0.065	0.032	1.067 (1.001, 1.137)	0.047	0.408	0.086	20
Allergic asthma	TRAF5	rs4951523	-0.172	0.088	0.842 (0.709, 0.999)	0.049	0.413	0.032	20
Allergic asthma	MLST8	rs26862	-0.077	0.039	0.926 (0.858, 0.999)	0.048	0.413	0.849	20
Allergic asthma	RELA	rs4645917	-0.694	0.351	0.500 (0.251, 0.994)	0.048	0.413	0.539	20
Allergic asthma	BCL3	rs1531517	-0.621	0.316	0.537 (0.289, 0.998)	0.049	0.413	0.691	13
Non-allergic asthma	GSDMB	rs12936231	0.085	0.019	1.089 (1.049, 1.130)	7.24E-06	0.003	0.045	20
Non-allergic asthma	ORMDL3	rs12936231	0.097	0.022	1.102 (1.056, 1.149)	7.28E-06	0.003	0.030	20
Non-allergic asthma	IRF1	rs11741255	-0.923	0.233	0.397 (0.252, 0.627)	7.23E-05	0.022	0.316	20
Non-allergic asthma	BCL2L11	rs113135335	0.578	0.159	1.783 (1.306, 2.435)	2.73E-04	0.063	0.094	20
Non-allergic asthma	ERBB3	rs11171739	-0.319	0.096	0.727 (0.603, 0.877)	8.45E-04	0.157	0.816	20
Non-allergic asthma	GLB1	rs11717007	-0.284	0.088	0.753 (0.633, 0.894)	0.001	0.191	0.079	20
Non-allergic asthma	HSPA1B	rs1144708	0.220	0.074	1.246 (1.078, 1.441)	0.003	0.333	0.010	20
Non-allergic asthma	MAPK3	rs55732507	-0.088	0.031	0.916 (0.861, 0.974)	0.005	0.348	0.023	20
Non-allergic asthma	MAP1LC3B	rs62053114	-0.105	0.042	0.900 (0.830, 0.977)	0.012	0.348	0.108	20
Non-allergic asthma	PEA15	rs10797062	0.125	0.048	1.133 (1.031, 1.245)	0.010	0.348	0.137	20
Non-allergic asthma	UNC13D	rs2290769	-0.212	0.086	0.809 (0.684, 0.957)	0.014	0.348	0.101	20
Non-allergic asthma	P2RX7	rs11065453	0.121	0.049	1.128 (1.025, 1.242)	0.014	0.348	0.680	20
Non-allergic asthma	IQGAP1	rs2074585	0.089	0.034	1.093 (1.022, 1.170)	0.010	0.348	0.361	20
Non-allergic asthma	IREB2	rs12903295	-0.086	0.033	0.918 (0.861, 0.979)	0.009	0.348	0.168	20
Non-allergic asthma	GLS	rs7562400	0.203	0.072	1.225 (1.063, 1.412)	0.005	0.348	0.468	20
Non-allergic asthma	PRKD1	rs11847351	-0.148	0.054	0.862 (0.776, 0.959)	0.006	0.348	0.462	20
Non-allergic asthma	PADI4	rs56265095	0.122	0.042	1.129 (1.041, 1.225)	0.003	0.348	0.069	20
Non-allergic asthma	CAPN1	rs12800339	-0.099	0.039	0.906 (0.839, 0.978)	0.011	0.348	0.224	20
Non-allergic asthma	CAPZB	rs114891776	0.541	0.204	1.717 (1.152, 2.560)	0.008	0.348	0.729	20
Non-allergic asthma	OSBPL7	rs1018903	0.346	0.139	1.413 (1.075, 1.856)	0.013	0.348	0.781	20
Non-allergic asthma	HPS6	rs61874100	-0.139	0.049	0.870 (0.791, 0.958)	0.005	0.348	0.135	20
Non-allergic asthma	DDRGK1	rs57534080	-0.145	0.057	0.865 (0.773, 0.968)	0.012	0.348	0.050	20

Non-allergic asthma	CAAP1	rs604409	0.665	0.233	1.944 (1.230, 3.072)	0.004	0.348	0.124	20
Non-allergic asthma	SMCR8	rs3764405	0.450	0.166	1.569 (1.134, 2.171)	0.007	0.348	0.172	20
Non-allergic asthma	ATM	rs79866170	-0.272	0.106	0.762 (0.620, 0.938)	0.010	0.348	0.249	9
Non-allergic asthma	CTTN	rs4570606	0.466	0.188	1.593 (1.102, 2.303)	0.013	0.348	0.607	20
Non-allergic asthma	DDIT3	rs697221	0.247	0.099	1.280 (1.054, 1.554)	0.013	0.348	0.381	20
Non-allergic asthma	RHOT1	rs7208838	0.138	0.057	1.148 (1.027, 1.284)	0.015	0.359	0.255	20
Non-allergic asthma	MEFV	rs224210	-0.117	0.048	0.889 (0.809, 0.978)	0.016	0.360	0.198	20
Non-allergic asthma	ITM2C	rs9808500	0.148	0.062	1.160 (1.027, 1.310)	0.017	0.373	0.751	20
Non-allergic asthma	VPS26B	rs570113	0.306	0.129	1.358 (1.053, 1.750)	0.018	0.383	0.790	20
Non-allergic asthma	PDLIM1	rs3737015	0.183	0.078	1.201 (1.030, 1.399)	0.019	0.398	0.147	20
Non-allergic asthma	VAMP8	rs1009	0.079	0.034	1.083 (1.012, 1.158)	0.020	0.398	0.916	20
Non-allergic asthma	SPATA2	rs11697848	-1.006	0.434	0.366 (0.156, 0.857)	0.021	0.398	0.012	17
Non-allergic asthma	PIK3C3	rs12961563	-0.103	0.046	0.902 (0.825, 0.986)	0.023	0.435	0.735	20
Non-allergic asthma	NBN	rs2697679	-0.106	0.047	0.900 (0.820, 0.987)	0.025	0.469	0.903	20
Non-allergic asthma	ATP6V1C2	rs1734443	-0.430	0.196	0.650 (0.443, 0.954)	0.028	0.507	0.912	20
Non-allergic asthma	DDX47	rs1010878	-0.488	0.227	0.614 (0.393, 0.959)	0.032	0.559	0.237	20
Non-allergic asthma	CLNK	rs11721652	0.579	0.275	1.784 (1.041, 3.057)	0.035	0.603	0.627	20
Non-allergic asthma	CTNNA1	rs700621	-0.044	0.021	0.957 (0.918, 0.998)	0.039	0.616	0.271	20
Non-allergic asthma	FNIP2	rs35747642	-0.141	0.069	0.868 (0.758, 0.994)	0.041	0.616	0.314	20
Non-allergic asthma	TNFRSF1A	rs1800692	0.132	0.064	1.141 (1.006, 1.294)	0.040	0.616	0.032	14
Non-allergic asthma	PIH1D1	rs2293012	0.129	0.064	1.138 (1.004, 1.289)	0.043	0.616	0.458	20
Non-allergic asthma	JAK3	rs3212797	0.567	0.280	1.762 (1.018, 3.050)	0.043	0.616	0.028	5
Non-allergic asthma	SLC30A4	rs1554521	-0.508	0.248	0.602 (0.370, 0.978)	0.040	0.616	0.336	20
Non-allergic asthma	ATP2A1	rs4788101	0.371	0.181	1.449 (1.017, 2.065)	0.040	0.616	0.288	20
Non-allergic asthma	TFRC	rs28429906	-0.129	0.065	0.879 (0.774, 0.999)	0.049	0.655	0.088	20
Non-allergic asthma	KDM1A	rs67056484	0.219	0.110	1.244 (1.002, 1.545)	0.047	0.655	0.727	20
Non-allergic asthma	STRADB	rs7575721	-0.225	0.114	0.799 (0.639, 0.998)	0.048	0.655	0.677	20

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

SMR, Summary data-level Mendelian randomization; OR, odds ratio; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim;

Table S8. Sensitivity analysis of associations between PCD-related gene expression and asthma*

Outcome	Gene	nSNP	Method	Beta	SE	OR (95%CI)	P	Egger_intercept	P_Egger_intercept
Overall asthma	ORMDL3	82	Inverse variance weighted	0.094	0.009	1.098 (1.078, 1.118)	5.90E-24	0.003	0.490
Overall asthma	GSDMB	96	Inverse variance weighted	0.084	0.007	1.087 (1.072, 1.103)	8.95E-31	0.002	0.631
Overall asthma	BCL2L11	2	Inverse variance weighted	0.522	0.099	1.686 (1.387, 2.048)	1.52E-07	NA	NA
Overall asthma	IRF1	3	Inverse variance weighted	-0.501	0.213	0.606 (0.399, 0.920)	0.019	-0.026	0.763
Overall asthma	ERBB3	4	Inverse variance weighted	-0.296	0.048	0.743 (0.677, 0.817)	7.05E-10	0.006	0.889
Overall asthma	NMT1	10	Inverse variance weighted	0.179	0.038	1.196 (1.110, 1.289)	2.86E-06	0.003	0.759
Overall asthma	TGFBR1	6	Inverse variance weighted	-0.201	0.039	0.818 (0.758, 0.884)	3.16E-07	0.021	0.133
Overall asthma	UNC13D	10	Inverse variance weighted	-0.175	0.038	0.840 (0.780, 0.904)	3.24E-06	-0.011	0.337
Overall asthma	CD70	4	Inverse variance weighted	-0.308	0.061	0.735 (0.652, 0.828)	4.24E-07	0.003	0.919
Overall asthma	ING5	39	Inverse variance weighted	-0.111	0.024	0.895 (0.854, 0.937)	2.48E-06	-0.009	0.300
Overall asthma	BOK	26	Inverse variance weighted	-0.101	0.021	0.904 (0.868, 0.942)	1.46E-06	-0.001	0.919
Overall asthma	CBL	12	Inverse variance weighted	0.103	0.026	1.108 (1.053, 1.166)	7.34E-05	-0.016	0.147
Overall asthma	IFNG	5	Inverse variance weighted	0.336	0.069	1.399 (1.223, 1.601)	1.04E-06	0.026	0.177
Overall asthma	FNIP2	21	Inverse variance weighted	-0.104	0.025	0.901 (0.858, 0.946)	2.86E-05	0.002	0.742
Overall asthma	IDUA	16	Inverse variance weighted	0.057	0.021	1.059 (1.016, 1.104)	0.007	-0.004	0.664
Overall asthma	DDX5	15	Inverse variance weighted	0.061	0.014	1.063 (1.035, 1.092)	6.13E-06	-0.002	0.841
Overall asthma	PRKCA	23	Inverse variance weighted	-0.063	0.029	0.939 (0.886, 0.994)	0.031	0.001	0.845
Overall asthma	BMP4	3	Inverse variance weighted	0.315	0.100	1.370 (1.126, 1.666)	0.002	0.013	0.699
Overall asthma	PRKAG3	3	Inverse variance weighted	0.244	0.103	1.276 (1.043, 1.561)	0.018	0.067	0.546
Overall asthma	NR4A2	2	Inverse variance weighted	-0.315	0.101	0.730 (0.599, 0.890)	0.002	NA	NA
Overall asthma	DAXX	9	Inverse variance weighted	-0.131	0.056	0.877 (0.785, 0.980)	0.020	0.016	0.507
Overall asthma	ZKSCAN3	10	Inverse variance weighted	0.090	0.029	1.095 (1.034, 1.158)	0.002	0.017	0.127
Overall asthma	STK25	4	Inverse variance weighted	-0.331	0.066	0.718 (0.631, 0.818)	5.54E-07	-0.002	0.937
Overall asthma	SNAP23	4	Inverse variance weighted	0.158	0.048	1.172 (1.066, 1.288)	0.001	0.006	0.790
Overall asthma	CASP10	8	Inverse variance weighted	0.166	0.049	1.181 (1.073, 1.300)	7.05E-04	0.004	0.785
Overall asthma	INF2	17	Inverse variance weighted	0.069	0.014	1.071 (1.042, 1.101)	1.33E-06	0.002	0.766
Overall asthma	CISD2	9	Inverse variance weighted	0.144	0.034	1.154 (1.079, 1.235)	2.97E-05	0.011	0.324
Overall asthma	EIF4G2	3	Inverse variance weighted	-0.208	0.079	0.812 (0.695, 0.948)	0.009	0.094	0.495
Overall asthma	RPS27L	3	Inverse variance weighted	0.180	0.083	1.197 (1.017, 1.409)	0.031	0.013	0.662
Overall asthma	FOXK1	16	Inverse variance weighted	-0.078	0.020	0.925 (0.889, 0.963)	1.28E-04	0.000	0.993
Overall asthma	SESN1	26	Inverse variance weighted	-0.068	0.017	0.934 (0.903, 0.966)	7.95E-05	-0.005	0.257
Overall asthma	PPID	2	Inverse variance weighted	-0.292	0.136	0.747 (0.572, 0.975)	0.032	NA	NA
Overall asthma	ACP2	35	Inverse variance weighted	0.070	0.015	1.073 (1.042, 1.104)	2.08E-06	0.010	0.196
Overall asthma	TF	5	Inverse variance weighted	0.233	0.055	1.263 (1.134, 1.407)	2.28E-05	0.009	0.612
Overall asthma	ENO1	12	Inverse variance weighted	-0.120	0.028	0.886 (0.840, 0.936)	1.26E-05	-0.006	0.615
Overall asthma	BRSK2	1	Wald ratio	0.415	0.153	1.514 (1.121, 2.044)	0.007	NA	NA
Overall asthma	PPARD	2	Inverse variance weighted	-0.261	0.128	0.771 (0.599, 0.991)	0.042	NA	NA
Overall asthma	MANBA	10	Inverse variance weighted	-0.088	0.029	0.916 (0.866, 0.969)	0.002	0.000	0.987
Overall asthma	PIK3R1	8	Inverse variance weighted	-0.106	0.047	0.899 (0.820, 0.985)	0.023	0.019	0.140
Overall asthma	OSBPL7	5	Inverse variance weighted	0.142	0.059	1.153 (1.026, 1.295)	0.017	0.006	0.735

Overall asthma	SLC39A1	16	Inverse variance weighted	0.077	0.027	1.080 (1.025, 1.138)	0.004	0.009	0.274
Overall asthma	FGR	2	Inverse variance weighted	0.256	0.082	1.292 (1.100, 1.517)	0.002	NA	NA
Overall asthma	TRIM8	22	Inverse variance weighted	-0.102	0.024	0.903 (0.861, 0.947)	2.58E-05	-0.002	0.834
Overall asthma	PRKAB2	23	Inverse variance weighted	0.063	0.015	1.065 (1.034, 1.097)	2.70E-05	0.016	0.117
Overall asthma	LAPTM4A	3	Inverse variance weighted	-0.202	0.093	0.817 (0.681, 0.980)	0.029	-0.004	0.941
Overall asthma	DLAT	1	Wald ratio	-0.545	0.218	0.580 (0.378, 0.889)	0.012	NA	NA
Overall asthma	NDUFS1	1	Wald ratio	0.327	0.138	1.387 (1.058, 1.817)	0.018	NA	NA
Overall asthma	TRIAP1	1	Wald ratio	-0.463	0.194	0.630 (0.430, 0.921)	0.017	NA	NA
Overall asthma	RHOT1	25	Inverse variance weighted	0.082	0.022	1.085 (1.040, 1.132)	1.47E-04	0.001	0.900
Overall asthma	ICAM1	10	Inverse variance weighted	-0.099	0.036	0.906 (0.844, 0.973)	0.006	0.017	0.116
Overall asthma	KAT8	11	Inverse variance weighted	0.081	0.041	1.084 (1.000, 1.174)	0.049	-0.010	0.426
Overall asthma	GSDMD	32	Inverse variance weighted	0.062	0.019	1.064 (1.025, 1.105)	0.001	-0.003	0.634
Overall asthma	TRAF1	16	Inverse variance weighted	-0.069	0.027	0.933 (0.886, 0.983)	0.010	-0.004	0.708
Overall asthma	DYRK2	1	Wald ratio	-0.483	0.204	0.617 (0.414, 0.920)	0.018	NA	NA
Overall asthma	MTMR3	35	Inverse variance weighted	0.082	0.018	1.085 (1.048, 1.123)	4.47E-06	0.005	0.299
Overall asthma	USP47	17	Inverse variance weighted	0.107	0.028	1.113 (1.054, 1.175)	1.14E-04	0.006	0.392
Overall asthma	USP28	2	Inverse variance weighted	-0.217	0.092	0.805 (0.672, 0.964)	0.018	NA	NA
Overall asthma	SLC39A13	1	Wald ratio	0.421	0.185	1.524 (1.060, 2.192)	0.023	NA	NA
Overall asthma	LAMP3	10	Inverse variance weighted	-0.117	0.042	0.889 (0.819, 0.966)	0.005	0.018	0.151
Overall asthma	GPX4	45	Inverse variance weighted	-0.037	0.012	0.964 (0.941, 0.987)	0.003	-0.010	0.069
Overall asthma	TAB2	7	Inverse variance weighted	-0.170	0.076	0.843 (0.727, 0.978)	0.025	-0.019	0.171
Overall asthma	TP73	1	Wald ratio	-0.370	0.169	0.691 (0.496, 0.963)	0.029	NA	NA
Overall asthma	SLC40A1	41	Inverse variance weighted	0.067	0.018	1.069 (1.032, 1.107)	1.67E-04	-0.001	0.922
Overall asthma	GGA3	1	Wald ratio	0.319	0.154	1.376 (1.017, 1.862)	0.038	NA	NA
Overall asthma	CASP8AP2	1	Wald ratio	0.234	0.113	1.264 (1.013, 1.577)	0.038	NA	NA
Overall asthma	STEAP3	53	Inverse variance weighted	0.031	0.012	1.032 (1.009, 1.056)	0.006	-0.002	0.728
Overall asthma	AP1S3	9	Inverse variance weighted	0.103	0.042	1.109 (1.022, 1.203)	0.013	-0.003	0.778
Overall asthma	PDIA3	2	Inverse variance weighted	0.231	0.091	1.260 (1.053, 1.506)	0.011	NA	NA
Overall asthma	FOXO1	5	Inverse variance weighted	0.164	0.073	1.178 (1.022, 1.358)	0.024	-0.010	0.579
Overall asthma	ZMPSTE24	9	Inverse variance weighted	0.120	0.058	1.128 (1.006, 1.264)	0.038	0.004	0.814
Allergic asthma	IRF1	3	Inverse variance weighted	-1.185	0.224	0.306 (0.197, 0.475)	1.26E-07	-0.059	0.420
Allergic asthma	ABCB9	24	Inverse variance weighted	-0.255	0.040	0.775 (0.716, 0.838)	2.28E-10	0.010	0.362
Allergic asthma	CD5	18	Inverse variance weighted	0.136	0.063	1.146 (1.013, 1.297)	0.031	0.009	0.612
Allergic asthma	JAK2	19	Inverse variance weighted	0.227	0.039	1.255 (1.163, 1.354)	5.06E-09	-0.006	0.614
Allergic asthma	BCL2L11	2	Inverse variance weighted	0.463	0.109	1.588 (1.283, 1.966)	2.13E-05	NA	NA
Allergic asthma	TRIM8	22	Inverse variance weighted	-0.226	0.036	0.798 (0.744, 0.856)	2.63E-10	-0.002	0.855
Allergic asthma	HTT	2	Inverse variance weighted	-0.572	0.128	0.564 (0.440, 0.725)	7.38E-06	NA	NA
Allergic asthma	TAB2	7	Inverse variance weighted	-0.430	0.096	0.651 (0.539, 0.784)	6.74E-06	-0.020	0.243
Allergic asthma	AP1M1	12	Inverse variance weighted	-0.110	0.041	0.896 (0.826, 0.971)	0.008	-0.029	0.053
Allergic asthma	CHEK2	1	Wald ratio	0.652	0.177	1.919 (1.357, 2.714)	2.25E-04	NA	NA
Allergic asthma	TRIM27	31	Inverse variance weighted	0.065	0.029	1.067 (1.009, 1.129)	0.023	0.021	0.097
Allergic asthma	DDIT3	2	Inverse variance weighted	-0.304	0.097	0.738 (0.610, 0.892)	0.002	NA	NA

Allergic asthma	ZKSCAN3	10	Inverse variance weighted	0.169	0.045	1.184 (1.084, 1.293)	1.72E-04	-0.018	0.219
Allergic asthma	PHKG2	3	Inverse variance weighted	0.371	0.165	1.450 (1.049, 2.003)	0.025	-0.091	0.304
Allergic asthma	GLUD1	4	Inverse variance weighted	0.233	0.087	1.262 (1.064, 1.497)	0.008	0.036	0.438
Allergic asthma	GAB2	4	Inverse variance weighted	0.282	0.075	1.326 (1.145, 1.535)	1.62E-04	-0.033	0.620
Allergic asthma	SLC40A1	40	Inverse variance weighted	0.072	0.021	1.074 (1.031, 1.119)	6.27E-04	0.005	0.608
Allergic asthma	GLB1	12	Inverse variance weighted	-0.131	0.062	0.877 (0.777, 0.990)	0.034	0.017	0.466
Allergic asthma	MANBA	10	Inverse variance weighted	-0.136	0.051	0.873 (0.790, 0.963)	0.007	-0.018	0.486
Allergic asthma	ING5	38	Inverse variance weighted	-0.108	0.020	0.898 (0.863, 0.934)	8.52E-08	-0.002	0.800
Allergic asthma	TIMP3	3	Inverse variance weighted	0.366	0.150	1.442 (1.074, 1.937)	0.015	-0.011	0.807
Allergic asthma	MAP3K5	24	Inverse variance weighted	-0.052	0.018	0.949 (0.916, 0.984)	0.004	-0.001	0.898
Allergic asthma	MOAP1	7	Inverse variance weighted	0.341	0.069	1.406 (1.227, 1.611)	9.46E-07	0.007	0.680
Allergic asthma	KAT5	1	Wald ratio	-0.743	0.244	0.476 (0.295, 0.768)	0.002	NA	NA
Allergic asthma	GNS	16	Inverse variance weighted	0.156	0.044	1.168 (1.071, 1.274)	4.49E-04	0.002	0.842
Allergic asthma	EYA2	1	Wald ratio	0.814	0.264	2.257 (1.344, 3.790)	0.002	NA	NA
Allergic asthma	CD70	4	Inverse variance weighted	-0.280	0.141	0.756 (0.574, 0.996)	0.047	0.080	0.275
Allergic asthma	CAV1	3	Inverse variance weighted	0.670	0.146	1.955 (1.469, 2.601)	4.27E-06	0.001	0.992
Allergic asthma	INCA1	2	Inverse variance weighted	-0.469	0.136	0.625 (0.479, 0.816)	5.41E-04	NA	NA
Allergic asthma	NFKB1	9	Inverse variance weighted	-0.123	0.050	0.884 (0.802, 0.974)	0.013	0.005	0.761
Allergic asthma	CAMKK2	62	Inverse variance weighted	0.053	0.019	1.055 (1.017, 1.095)	0.005	0.012	0.092
Allergic asthma	CISD2	9	Inverse variance weighted	0.168	0.067	1.183 (1.038, 1.348)	0.012	0.025	0.203
Allergic asthma	STX4	29	Inverse variance weighted	0.096	0.036	1.100 (1.026, 1.181)	0.008	0.006	0.595
Allergic asthma	PTGDS	12	Inverse variance weighted	0.096	0.031	1.101 (1.036, 1.170)	0.002	-0.005	0.743
Allergic asthma	AGA	72	Inverse variance weighted	-0.023	0.011	0.977 (0.955, 0.999)	0.045	0.008	0.066
Allergic asthma	PPIF	10	Inverse variance weighted	-0.202	0.053	0.817 (0.737, 0.907)	1.37E-04	0.014	0.650
Allergic asthma	HAX1	17	Inverse variance weighted	-0.150	0.059	0.861 (0.767, 0.966)	0.011	-0.006	0.806
Allergic asthma	EMC2	4	Inverse variance weighted	0.222	0.076	1.248 (1.075, 1.448)	0.004	0.001	0.977
Allergic asthma	FOXO1	5	Inverse variance weighted	0.330	0.117	1.391 (1.105, 1.751)	0.005	0.022	0.462
Allergic asthma	PIH1D1	10	Inverse variance weighted	0.145	0.038	1.156 (1.073, 1.246)	1.35E-04	0.004	0.707
Allergic asthma	GNAI2	1	Wald ratio	-0.460	0.171	0.632 (0.452, 0.882)	0.007	NA	NA
Allergic asthma	IL10RA	6	Inverse variance weighted	-0.125	0.054	0.882 (0.793, 0.981)	0.021	0.016	0.329
Allergic asthma	PTPRC	3	Inverse variance weighted	-0.342	0.094	0.710 (0.591, 0.853)	2.57E-04	-0.027	0.457
Allergic asthma	RRAGD	59	Inverse variance weighted	0.037	0.019	1.037 (1.000, 1.076)	0.049	0.003	0.601
Allergic asthma	TFRC	34	Inverse variance weighted	-0.094	0.034	0.911 (0.852, 0.973)	0.005	0.000	0.991
Allergic asthma	TRIM39	1	Wald ratio	0.838	0.328	2.312 (1.214, 4.401)	0.011	NA	NA
Allergic asthma	MAPK3	54	Inverse variance weighted	-0.064	0.015	0.938 (0.911, 0.966)	1.79E-05	-0.008	0.262
Allergic asthma	TYROBP	5	Inverse variance weighted	-0.179	0.063	0.836 (0.739, 0.946)	0.005	-0.005	0.760
Allergic asthma	HSBP1	22	Inverse variance weighted	-0.078	0.026	0.925 (0.879, 0.973)	0.002	-0.002	0.775
Allergic asthma	STAT5A	5	Inverse variance weighted	0.234	0.080	1.264 (1.080, 1.478)	0.003	-0.001	0.971
Allergic asthma	ABL1	1	Wald ratio	0.493	0.204	1.638 (1.097, 2.445)	0.016	NA	NA
Allergic asthma	PIK3C2A	31	Inverse variance weighted	0.049	0.019	1.050 (1.012, 1.090)	0.009	0.006	0.594
Allergic asthma	YWHAB	5	Inverse variance weighted	-0.243	0.079	0.784 (0.672, 0.916)	0.002	-0.021	0.355
Allergic asthma	PIK3CD	1	Wald ratio	-0.487	0.208	0.615 (0.409, 0.923)	0.019	NA	NA

Allergic asthma	FOXK1	16	Inverse variance weighted	-0.075	0.031	0.927 (0.873, 0.985)	0.014	-0.005	0.696
Allergic asthma	SERINC3	11	Inverse variance weighted	-0.112	0.044	0.894 (0.821, 0.975)	0.011	0.001	0.884
Allergic asthma	VPS33A	2	Inverse variance weighted	-0.546	0.166	0.579 (0.418, 0.803)	0.001	NA	NA
Allergic asthma	LIPA	93	Inverse variance weighted	0.030	0.012	1.031 (1.007, 1.055)	0.009	-0.006	0.126
Allergic asthma	STK25	4	Inverse variance weighted	-0.301	0.093	0.740 (0.617, 0.887)	0.001	0.000	0.998
Allergic asthma	TFEB	3	Inverse variance weighted	0.415	0.152	1.515 (1.124, 2.042)	0.006	-0.003	0.940
Allergic asthma	SPATA2	1	Wald ratio	-0.778	0.357	0.459 (0.228, 0.925)	0.029	NA	NA
Allergic asthma	SLC39A1	16	Inverse variance weighted	0.130	0.064	1.138 (1.003, 1.292)	0.044	0.035	0.058
Allergic asthma	ACTB	1	Wald ratio	0.305	0.137	1.356 (1.038, 1.773)	0.026	NA	NA
Allergic asthma	SPTLC2	44	Inverse variance weighted	0.106	0.020	1.112 (1.070, 1.156)	6.78E-08	0.005	0.381
Allergic asthma	SLC30A7	3	Inverse variance weighted	0.274	0.104	1.315 (1.074, 1.611)	0.008	-0.006	0.799
Allergic asthma	SIRT2	2	Inverse variance weighted	0.337	0.152	1.400 (1.040, 1.884)	0.026	NA	NA
Allergic asthma	SYK	53	Inverse variance weighted	-0.053	0.016	0.948 (0.918, 0.979)	0.001	0.004	0.507
Allergic asthma	MAN2B1	21	Inverse variance weighted	-0.059	0.014	0.942 (0.917, 0.969)	2.18E-05	-0.006	0.441
Allergic asthma	CASP8AP2	1	Wald ratio	-0.361	0.173	0.697 (0.497, 0.979)	0.037	NA	NA
Allergic asthma	ZNF205	28	Inverse variance weighted	0.077	0.026	1.080 (1.026, 1.137)	0.003	-0.006	0.555
Allergic asthma	TRAF5	16	Inverse variance weighted	-0.144	0.046	0.866 (0.791, 0.947)	0.002	-0.014	0.233
Allergic asthma	MLST8	16	Inverse variance weighted	-0.064	0.029	0.938 (0.886, 0.992)	0.024	-0.005	0.765
Allergic asthma	RELA	1	Wald ratio	-0.694	0.331	0.500 (0.261, 0.955)	0.036	NA	NA
Allergic asthma	BCL3	1	Wald ratio	-0.621	0.297	0.537 (0.300, 0.962)	0.036	NA	NA
Non-allergic asthma	GSDMB	95	Inverse variance weighted	0.048	0.011	1.049 (1.026, 1.072)	1.60E-05	0.001	0.856
Non-allergic asthma	ORMDL3	82	Inverse variance weighted	0.059	0.012	1.061 (1.037, 1.086)	5.08E-07	0.000	0.955
Non-allergic asthma	IRF1	3	Inverse variance weighted	-0.760	0.159	0.468 (0.343, 0.638)	1.68E-06	-0.027	0.655
Non-allergic asthma	BCL2L11	2	Inverse variance weighted	0.426	0.187	1.531 (1.061, 2.211)	0.023	NA	NA
Non-allergic asthma	ERBB3	4	Inverse variance weighted	-0.351	0.085	0.704 (0.596, 0.832)	3.77E-05	-0.015	0.821
Non-allergic asthma	GLB1	12	Inverse variance weighted	-0.120	0.061	0.887 (0.787, 0.999)	0.048	0.006	0.796
Non-allergic asthma	HSPA1B	25	Inverse variance weighted	0.173	0.046	1.189 (1.087, 1.301)	1.63E-04	0.001	0.963
Non-allergic asthma	MAPK3	54	Inverse variance weighted	-0.046	0.019	0.955 (0.920, 0.990)	0.013	-0.011	0.200
Non-allergic asthma	MAP1LC3B	25	Inverse variance weighted	-0.060	0.027	0.942 (0.894, 0.992)	0.025	-0.011	0.248
Non-allergic asthma	PEA15	22	Inverse variance weighted	0.158	0.036	1.172 (1.093, 1.256)	8.52E-06	0.010	0.272
Non-allergic asthma	UNC13D	10	Inverse variance weighted	-0.145	0.061	0.865 (0.767, 0.975)	0.018	0.018	0.280
Non-allergic asthma	P2RX7	25	Inverse variance weighted	0.100	0.031	1.105 (1.041, 1.173)	0.001	-0.008	0.325
Non-allergic asthma	IQGAP1	37	Inverse variance weighted	0.104	0.021	1.110 (1.064, 1.157)	1.13E-06	0.008	0.330
Non-allergic asthma	IREB2	40	Inverse variance weighted	-0.108	0.019	0.898 (0.865, 0.931)	8.47E-09	-0.005	0.398
Non-allergic asthma	GLS	20	Inverse variance weighted	0.198	0.040	1.219 (1.127, 1.318)	7.10E-07	0.010	0.469
Non-allergic asthma	PRKD1	19	Inverse variance weighted	-0.127	0.037	0.881 (0.818, 0.947)	6.44E-04	0.007	0.559
Non-allergic asthma	PADI4	31	Inverse variance weighted	0.150	0.023	1.162 (1.110, 1.217)	1.16E-10	0.003	0.634
Non-allergic asthma	CAPN1	38	Inverse variance weighted	-0.104	0.025	0.901 (0.858, 0.946)	2.61E-05	-0.004	0.702
Non-allergic asthma	CAPZB	4	Inverse variance weighted	0.445	0.120	1.560 (1.234, 1.972)	2.01E-04	-0.007	0.747
Non-allergic asthma	OSBPL7	5	Inverse variance weighted	0.344	0.103	1.411 (1.153, 1.726)	8.40E-04	-0.009	0.766
Non-allergic asthma	HPS6	11	Inverse variance weighted	-0.158	0.046	0.854 (0.780, 0.934)	5.88E-04	-0.002	0.893
Non-allergic asthma	DDRGK1	33	Inverse variance weighted	-0.091	0.027	0.913 (0.866, 0.962)	6.49E-04	0.000	0.979

Non-allergic asthma	CAAP1	3	Inverse variance weighted	0.403	0.186	1.497 (1.039, 2.157)	0.030	-0.002	0.987
Non-allergic asthma	SMCR8	2	Inverse variance weighted	0.478	0.143	1.612 (1.218, 2.134)	8.30E-04	NA	NA
Non-allergic asthma	ATM	2	Inverse variance weighted	-0.300	0.096	0.740 (0.614, 0.894)	0.002	NA	NA
Non-allergic asthma	CTTN	2	Inverse variance weighted	0.395	0.159	1.484 (1.088, 2.026)	0.013	NA	NA
Non-allergic asthma	DDIT3	2	Inverse variance weighted	0.228	0.096	1.255 (1.041, 1.515)	0.018	NA	NA
Non-allergic asthma	RHOT1	25	Inverse variance weighted	0.069	0.031	1.071 (1.007, 1.139)	0.029	-0.008	0.370
Non-allergic asthma	MEFV	18	Inverse variance weighted	-0.101	0.032	0.904 (0.849, 0.963)	0.002	0.014	0.273
Non-allergic asthma	ITM2C	20	Inverse variance weighted	0.090	0.036	1.095 (1.020, 1.174)	0.012	-0.019	0.123
Non-allergic asthma	VPS26B	4	Inverse variance weighted	0.170	0.080	1.185 (1.013, 1.386)	0.034	-0.043	0.264
Non-allergic asthma	PDLIM1	21	Inverse variance weighted	0.193	0.049	1.213 (1.102, 1.334)	7.24E-05	-0.022	0.129
Non-allergic asthma	VAMP8	37	Inverse variance weighted	0.073	0.022	1.076 (1.031, 1.123)	7.16E-04	-0.002	0.836
Non-allergic asthma	SPATA2	1	Wald ratio	-1.006	0.413	0.366 (0.163, 0.822)	0.015	NA	NA
Non-allergic asthma	PIK3C3	9	Inverse variance weighted	-0.089	0.042	0.915 (0.842, 0.994)	0.035	0.009	0.594
Non-allergic asthma	NBN	35	Inverse variance weighted	-0.082	0.030	0.922 (0.868, 0.978)	0.007	-0.001	0.939
Non-allergic asthma	ATP6V1C2	2	Inverse variance weighted	-0.468	0.157	0.626 (0.461, 0.851)	0.003	NA	NA
Non-allergic asthma	DDX47	2	Inverse variance weighted	-0.393	0.186	0.675 (0.469, 0.972)	0.034	NA	NA
Non-allergic asthma	CLNK	1	Wald ratio	0.579	0.263	1.784 (1.065, 2.990)	0.028	NA	NA
Non-allergic asthma	CTNNA1	63	Inverse variance weighted	-0.045	0.013	0.956 (0.933, 0.980)	3.74E-04	-0.010	0.151
Non-allergic asthma	FNIP2	21	Inverse variance weighted	-0.110	0.050	0.896 (0.813, 0.988)	0.027	-0.011	0.444
Non-allergic asthma	TNFRSF1A	11	Inverse variance weighted	0.096	0.049	1.101 (1.000, 1.213)	0.050	0.006	0.746
Non-allergic asthma	PIH1D1	10	Inverse variance weighted	0.096	0.047	1.100 (1.004, 1.206)	0.041	0.005	0.754
Non-allergic asthma	JAK3	1	Wald ratio	0.567	0.263	1.762 (1.052, 2.951)	0.031	NA	NA
Non-allergic asthma	SLC30A4	1	Wald ratio	-0.508	0.239	0.602 (0.377, 0.962)	0.034	NA	NA
Non-allergic asthma	ATP2A1	2	Inverse variance weighted	0.310	0.149	1.363 (1.018, 1.824)	0.038	NA	NA
Non-allergic asthma	TFRC	34	Inverse variance weighted	-0.058	0.028	0.944 (0.893, 0.998)	0.042	0.008	0.289
Non-allergic asthma	KDM1A	2	Inverse variance weighted	0.212	0.083	1.236 (1.050, 1.454)	0.011	NA	NA
Non-allergic asthma	STRADB	1	Wald ratio	-0.225	0.112	0.799 (0.641, 0.994)	0.044	NA	NA

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SNP, single nucleotide polymorphsim; OR odds ratio; CI, confidence interval

Table S9. Genetic instruments for sensitivity analysis of PCD-related gene expression in relation to asthma

Outcome	Gene	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
Overall asthma	ABCB9	rs10846525	T	C	0.052	0.008	0.456	1.10E-10	0.003	0.010	0.750	0.001	41.641	TRUE	9.02E-10
Overall asthma	ABCB9	rs11057405	A	G	-0.085	0.015	0.084	4.82E-09	-0.008	0.015	0.600	0.001	34.260	TRUE	4.02E-08
Overall asthma	ABCB9	rs111835289	G	A	0.120	0.019	0.051	3.01E-10	0.003	0.024	0.910	0.001	39.667	TRUE	1.61E-09
Overall asthma	ABCB9	rs11608811	A	G	0.290	0.009	0.301	5.43E-251	-0.024	0.011	0.026	0.035	1144.945	TRUE	7.89E-222
Overall asthma	ABCB9	rs117913606	A	G	-0.149	0.018	0.065	2.66E-16	0.002	0.015	0.880	0.002	67.032	TRUE	4.57E-15
Overall asthma	ABCB9	rs12810157	A	G	0.283	0.029	0.027	3.66E-22	-0.007	0.027	0.800	0.003	93.700	TRUE	2.34E-20
Overall asthma	ABCB9	rs12816396	T	A	0.089	0.011	0.165	2.22E-16	-0.015	0.013	0.260	0.002	67.397	TRUE	3.22E-14
Overall asthma	ABCB9	rs1662	A	G	-0.099	0.008	0.370	5.02E-33	0.012	0.010	0.230	0.005	143.305	TRUE	4.99E-29
Overall asthma	ABCB9	rs2154	G	A	0.192	0.016	0.075	4.44E-33	0.015	0.017	0.370	0.005	143.550	TRUE	1.51E-29
Overall asthma	ABCB9	rs28873419	G	T	0.181	0.027	0.026	9.00E-12	-0.004	0.032	0.900	0.001	46.532	TRUE	6.49E-11
Overall asthma	ABCB9	rs34484751	C	A	0.326	0.025	0.030	1.13E-39	-0.045	0.028	0.110	0.005	173.717	TRUE	1.83E-34
Overall asthma	ABCB9	rs34944476	T	C	0.078	0.012	0.192	4.39E-11	0.021	0.012	0.082	0.001	43.428	TRUE	4.36E-09
Overall asthma	ABCB9	rs496911	A	G	-0.067	0.008	0.380	7.53E-16	-0.010	0.010	0.310	0.002	64.985	TRUE	7.29E-14
Overall asthma	ABCB9	rs580063	C	T	0.066	0.010	0.204	2.56E-11	0.007	0.012	0.530	0.001	44.483	TRUE	4.03E-10
Overall asthma	ABCB9	rs61953572	C	T	0.111	0.019	0.112	3.09E-09	-0.023	0.015	0.110	0.001	35.127	TRUE	1.22E-07
Overall asthma	ABCB9	rs61955270	A	G	-0.146	0.019	0.053	4.77E-14	0.024	0.020	0.240	0.002	56.821	TRUE	4.19E-12
Overall asthma	ABCB9	rs7297888	T	C	0.189	0.021	0.044	3.37E-20	0.006	0.026	0.800	0.003	84.757	TRUE	1.46E-18
Overall asthma	ABCB9	rs73230058	T	C	-0.129	0.014	0.111	4.16E-21	-0.004	0.015	0.790	0.003	88.893	TRUE	2.17E-19
Overall asthma	ABCB9	rs76573394	T	C	0.302	0.024	0.034	2.08E-35	-0.091	0.029	0.002	0.005	154.201	TRUE	1.29E-28
Overall asthma	ABCB9	rs77064381	C	T	-0.137	0.018	0.061	3.37E-14	-0.007	0.018	0.700	0.002	57.504	TRUE	6.46E-13
Overall asthma	ABCB9	rs77983490	A	G	0.328	0.034	0.019	1.84E-21	-0.075	0.030	0.012	0.003	90.503	TRUE	2.28E-17
Overall asthma	ABCB9	rs7953894	A	C	-0.107	0.008	0.498	1.29E-37	0.016	0.010	0.093	0.005	164.310	TRUE	1.51E-32
Overall asthma	ABCB9	rs79739600	G	A	-0.086	0.014	0.101	3.62E-10	-0.002	0.014	0.910	0.001	39.306	TRUE	1.95E-09
Overall asthma	ACP2	rs10769199	G	T	0.158	0.008	0.385	2.80E-84	0.024	0.010	0.012	0.012	378.355	TRUE	1.34E-72
Overall asthma	ACP2	rs111834609	A	G	-0.609	0.022	0.039	1.20E-162	-0.082	0.025	8.70E-04	0.023	738.556	TRUE	7.18E-140
Overall asthma	ACP2	rs113083342	G	A	-0.601	0.039	0.025	1.20E-52	-0.067	0.055	0.230	0.007	233.176	TRUE	1.01E-46
Overall asthma	ACP2	rs113618854	T	C	0.156	0.016	0.073	2.16E-21	0.000	0.017	0.990	0.003	90.187	TRUE	6.45E-20
Overall asthma	ACP2	rs113954134	A	G	-0.531	0.028	0.026	1.02E-82	0.002	0.026	0.950	0.012	371.179	TRUE	2.32E-76
Overall asthma	ACP2	rs11601310	A	G	0.127	0.010	0.183	2.89E-34	0.024	0.012	0.039	0.005	148.977	TRUE	4.03E-29
Overall asthma	ACP2	rs116996852	G	T	-0.357	0.047	0.019	2.49E-14	-0.095	0.039	0.015	0.002	58.094	TRUE	2.43E-11
Overall asthma	ACP2	rs12364481	A	G	0.111	0.011	0.157	3.52E-23	0.013	0.013	0.300	0.003	98.337	TRUE	1.83E-20
Overall asthma	ACP2	rs140025272	C	T	0.201	0.030	0.024	1.24E-11	0.094	0.029	0.001	0.001	45.900	TRUE	1.65E-08
Overall asthma	ACP2	rs141317610	G	A	-0.603	0.036	0.040	5.94E-62	-0.007	0.024	0.760	0.009	275.862	TRUE	7.89E-57
Overall asthma	ACP2	rs145363919	T	C	0.202	0.028	0.025	5.24E-13	0.087	0.027	0.001	0.002	52.108	TRUE	1.23E-09
Overall asthma	ACP2	rs146218162	G	A	-0.251	0.035	0.016	7.49E-13	-0.012	0.035	0.730	0.002	51.409	TRUE	9.87E-12
Overall asthma	ACP2	rs147157127	T	C	0.224	0.037	0.017	1.14E-09	-0.027	0.033	0.430	0.001	37.074	TRUE	1.70E-08
Overall asthma	ACP2	rs181443960	T	C	-0.457	0.019	0.049	1.35E-122	0.021	0.026	0.410	0.017	554.428	TRUE	5.47E-111
Overall asthma	ACP2	rs184907858	G	A	-0.105	0.014	0.089	9.18E-14	-0.025	0.016	0.120	0.002	55.531	TRUE	1.48E-11
Overall asthma	ACP2	rs185988863	C	T	-0.278	0.021	0.053	2.44E-39	-0.120	0.400	0.760	0.005	172.198	TRUE	4.45E-36
Overall asthma	ACP2	rs188486446	A	G	-0.327	0.053	0.018	4.52E-10	-0.089	0.066	0.180	0.001	38.870	TRUE	1.73E-08

Overall asthma	ACP2	rs34177812	C	T	0.157	0.009	0.282	1.84E-70	0.018	0.010	0.079	0.010	314.916	TRUE	1.15E-61
Overall asthma	ACP2	rs34874765	A	G	-0.406	0.032	0.020	1.30E-37	0.011	0.030	0.710	0.005	164.291	TRUE	2.14E-34
Overall asthma	ACP2	rs35705366	A	T	0.211	0.018	0.065	2.22E-32	0.024	0.020	0.240	0.004	140.348	TRUE	1.70E-28
Overall asthma	ACP2	rs4603265	T	C	-0.444	0.011	0.146	0.00E+00	-0.029	0.014	0.035	0.049	1617.958	TRUE	0.00E+00
Overall asthma	ACP2	rs4647728	A	G	0.192	0.025	0.033	1.29E-14	0.007	0.026	0.770	0.002	59.388	TRUE	2.14E-13
Overall asthma	ACP2	rs55944135	A	G	0.216	0.017	0.068	3.85E-36	-0.004	0.016	0.800	0.005	157.559	TRUE	3.40E-33
Overall asthma	ACP2	rs55971594	A	G	0.236	0.025	0.035	6.07E-21	0.058	0.021	0.006	0.003	88.144	TRUE	1.15E-16
Overall asthma	ACP2	rs61704455	A	G	-0.106	0.018	0.055	2.08E-09	-0.041	0.024	0.079	0.001	35.895	TRUE	1.13E-07
Overall asthma	ACP2	rs61884297	A	T	0.174	0.018	0.052	3.58E-22	0.000	0.019	1.000	0.003	93.747	TRUE	1.21E-20
Overall asthma	ACP2	rs7114704	T	C	0.172	0.018	0.053	4.60E-21	0.006	0.021	0.790	0.003	88.693	TRUE	2.43E-19
Overall asthma	ACP2	rs7124681	A	C	0.210	0.008	0.401	2.02E-149	0.022	0.010	0.024	0.021	677.747	TRUE	4.30E-131
Overall asthma	ACP2	rs7125432	C	T	0.180	0.025	0.033	6.67E-13	-0.006	0.027	0.820	0.002	51.636	TRUE	7.12E-12
Overall asthma	ACP2	rs72910026	A	G	0.170	0.024	0.029	2.78E-12	0.012	0.025	0.630	0.002	48.835	TRUE	4.21E-11
Overall asthma	ACP2	rs749067	C	T	0.234	0.008	0.368	1.19E-180	0.012	0.010	0.230	0.025	821.371	TRUE	3.05E-162
Overall asthma	ACP2	rs75159144	C	T	0.150	0.022	0.040	9.75E-12	0.005	0.024	0.840	0.001	46.376	TRUE	8.00E-11
Overall asthma	ACP2	rs75352463	C	T	-0.695	0.029	0.025	9.06E-127	-0.100	0.036	0.004	0.018	573.604	TRUE	1.47E-109
Overall asthma	ACP2	rs7948398	G	A	0.140	0.024	0.030	9.06E-09	-0.023	0.025	0.370	0.001	33.031	TRUE	1.27E-07
Overall asthma	ACP2	rs901750	G	A	0.270	0.008	0.425	7.33E-255	0.004	0.010	0.690	0.035	1162.750	TRUE	4.81E-232
Overall asthma	ACSL6	rs11745587	A	G	0.046	0.008	0.360	3.49E-08	0.053	0.010	8.10E-08	0.001	30.411	TRUE	1.06E-04
Overall asthma	ACSL6	rs17165964	G	A	0.111	0.015	0.071	5.40E-13	0.038	0.019	0.039	0.002	52.050	TRUE	1.52E-10
Overall asthma	ACSL6	rs247001	G	A	-0.065	0.008	0.485	3.41E-16	0.034	0.010	4.90E-04	0.002	66.549	TRUE	5.43E-12
Overall asthma	ACSL6	rs253947	C	T	0.175	0.010	0.202	3.50E-70	0.025	0.012	0.036	0.010	313.630	TRUE	7.26E-61
Overall asthma	ACSL6	rs30161	T	C	-0.208	0.020	0.045	1.39E-26	0.040	0.025	0.110	0.004	113.864	TRUE	7.99E-23
Overall asthma	ACSL6	rs58897542	T	C	0.308	0.049	0.016	3.53E-10	-0.075	0.040	0.062	0.001	39.356	TRUE	3.17E-08
Overall asthma	ACSL6	rs77123034	T	C	0.179	0.031	0.020	1.01E-08	0.040	0.040	0.320	0.001	32.817	TRUE	1.57E-07
Overall asthma	ALOX12	rs112316101	G	A	-0.058	0.010	0.197	8.09E-09	0.014	0.013	0.280	0.001	33.251	TRUE	1.44E-07
Overall asthma	ALOX12	rs11571326	A	G	0.172	0.014	0.093	5.80E-36	-0.059	0.017	5.20E-04	0.005	156.740	TRUE	1.18E-28
Overall asthma	ALOX12	rs11571364	A	G	-0.127	0.023	0.042	4.48E-08	-0.030	0.021	0.160	0.001	29.928	TRUE	1.06E-06
Overall asthma	ALOX12	rs2089454	C	T	0.109	0.008	0.354	2.50E-39	0.003	0.010	0.780	0.005	172.149	TRUE	4.39E-36
Overall asthma	ALOX12	rs434844	G	C	0.116	0.008	0.385	1.11E-45	-0.024	0.010	0.013	0.006	201.242	TRUE	1.57E-38
Overall asthma	ALOX15	rs11078528	A	G	0.163	0.009	0.287	1.45E-76	-0.017	0.011	0.120	0.011	342.939	TRUE	1.19E-67
Overall asthma	ALOX15	rs11568110	T	C	-0.437	0.030	0.025	1.16E-49	-0.036	0.030	0.220	0.007	219.483	TRUE	4.64E-44
Overall asthma	ALOX15	rs11657040	C	A	-0.123	0.011	0.438	1.17E-29	0.010	0.010	0.310	0.004	127.908	TRUE	2.66E-26
Overall asthma	ALOX15	rs11657711	T	C	0.118	0.017	0.064	9.18E-13	0.010	0.018	0.590	0.002	51.008	TRUE	1.70E-11
Overall asthma	ALOX15	rs117317198	A	G	0.153	0.026	0.028	3.27E-09	0.017	0.030	0.560	0.001	35.013	TRUE	2.98E-08
Overall asthma	ALOX15	rs12150045	T	C	0.121	0.010	0.205	4.62E-34	0.001	0.012	0.930	0.005	148.042	TRUE	1.55E-31
Overall asthma	ALOX15	rs12449695	A	G	0.092	0.010	0.304	7.29E-20	0.012	0.011	0.260	0.003	83.228	TRUE	2.17E-17
Overall asthma	ALOX15	rs139244790	A	G	0.159	0.029	0.026	3.88E-08	-0.031	0.026	0.240	0.001	30.206	TRUE	6.76E-07
Overall asthma	ALOX15	rs146174946	A	C	-0.324	0.030	0.022	3.05E-27	0.006	0.034	0.870	0.004	116.871	TRUE	3.92E-25
Overall asthma	ALOX15	rs17765093	T	C	-0.136	0.009	0.253	1.32E-49	0.015	0.011	0.160	0.007	219.232	TRUE	9.63E-44
Overall asthma	ALOX15	rs188900185	T	C	-0.350	0.036	0.022	5.94E-22	0.011	0.031	0.720	0.003	92.743	TRUE	4.68E-20
Overall asthma	ALOX15	rs1986349	A	G	-0.112	0.008	0.454	1.53E-44	-0.004	0.010	0.680	0.006	196.026	TRUE	1.12E-40

Overall asthma	ALOX15	rs2255888	C	T	-0.448	0.009	0.238	0.00E+00	0.025	0.011	0.023	0.072	2452.647	TRUE	0.00E+00
Overall asthma	ALOX15	rs2304973	A	G	0.104	0.015	0.081	1.18E-12	0.039	0.018	0.028	0.002	50.520	TRUE	3.96E-10
Overall asthma	ALOX15	rs28539426	C	A	0.110	0.018	0.055	8.24E-10	0.005	0.019	0.780	0.001	37.699	TRUE	5.39E-09
Overall asthma	ALOX15	rs34183984	T	C	0.102	0.017	0.075	3.00E-09	0.017	0.018	0.340	0.001	35.179	TRUE	4.93E-08
Overall asthma	ALOX15	rs34994526	G	A	0.097	0.009	0.294	2.14E-27	-0.012	0.011	0.270	0.004	117.576	TRUE	3.75E-24
Overall asthma	ALOX15	rs4239052	C	T	0.101	0.013	0.110	2.41E-15	0.010	0.015	0.490	0.002	62.694	TRUE	1.00E-13
Overall asthma	ALOX15	rs4790204	C	G	0.075	0.010	0.206	3.38E-14	0.004	0.012	0.740	0.002	57.495	TRUE	5.69E-13
Overall asthma	ALOX15	rs55670980	T	C	-0.235	0.020	0.060	4.54E-32	-0.013	0.019	0.520	0.004	138.930	TRUE	6.80E-29
Overall asthma	ALOX15	rs55898740	A	G	-0.074	0.009	0.239	3.18E-15	0.022	0.011	0.052	0.002	62.150	TRUE	1.83E-12
Overall asthma	ALOX15	rs56376949	T	G	-0.500	0.041	0.017	7.90E-35	-0.019	0.039	0.630	0.005	151.551	TRUE	1.12E-31
Overall asthma	ALOX15	rs58209386	T	C	0.090	0.014	0.104	2.48E-10	0.021	0.014	0.130	0.001	40.044	TRUE	1.30E-08
Overall asthma	ALOX15	rs7221871	A	G	0.089	0.008	0.350	9.28E-27	-0.023	0.010	0.020	0.004	114.667	TRUE	3.62E-22
Overall asthma	ALOX15	rs75395856	A	G	-0.471	0.049	0.026	5.95E-22	0.075	0.052	0.150	0.003	92.739	TRUE	6.87E-19
Overall asthma	ALOX15	rs76960659	A	G	0.174	0.025	0.034	1.78E-12	-0.005	0.023	0.830	0.002	49.710	TRUE	1.73E-11
Overall asthma	ALOX15	rs79962533	T	C	0.136	0.011	0.167	1.52E-35	-0.010	0.013	0.440	0.005	154.834	TRUE	6.12E-32
Overall asthma	ALOX15	rs8076142	C	T	-0.183	0.011	0.179	1.26E-60	0.004	0.012	0.730	0.008	269.779	TRUE	1.55E-55
Overall asthma	ALOX15	rs9674812	T	A	0.267	0.047	0.043	9.68E-09	0.028	0.026	0.280	0.001	32.902	TRUE	1.69E-07
Overall asthma	ALOX15	rs9904177	G	A	-0.051	0.009	0.269	1.61E-08	0.008	0.011	0.460	0.001	31.918	TRUE	1.57E-07
Overall asthma	AP1S3	rs10209883	A	G	0.057	0.009	0.250	8.87E-10	0.000	0.011	0.990	0.001	37.557	TRUE	3.75E-09
Overall asthma	AP1S3	rs116000059	A	C	0.151	0.027	0.025	1.59E-08	0.040	0.024	0.093	0.001	31.941	TRUE	6.05E-07
Overall asthma	AP1S3	rs116476702	T	C	0.237	0.042	0.024	1.93E-08	-0.005	0.030	0.880	0.001	31.567	TRUE	7.97E-08
Overall asthma	AP1S3	rs13001654	T	C	-0.084	0.012	0.117	1.10E-11	-0.034	0.014	0.014	0.001	46.139	TRUE	4.07E-09
Overall asthma	AP1S3	rs17182821	A	G	0.074	0.010	0.199	1.10E-13	0.015	0.012	0.180	0.002	55.169	TRUE	9.70E-12
Overall asthma	AP1S3	rs4435445	A	G	0.077	0.011	0.172	4.23E-13	-0.010	0.012	0.430	0.002	52.531	TRUE	1.38E-11
Overall asthma	AP1S3	rs6436440	A	G	0.183	0.008	0.477	2.85E-119	0.019	0.010	0.051	0.017	539.142	TRUE	5.98E-105
Overall asthma	AP1S3	rs7606306	T	C	-0.057	0.008	0.363	6.60E-12	0.004	0.010	0.660	0.001	47.139	TRUE	8.46E-11
Overall asthma	AP1S3	rs79305596	T	C	-0.099	0.014	0.088	2.75E-12	-0.020	0.015	0.190	0.002	48.854	TRUE	1.93E-10
Overall asthma	ARRB2	rs111799880	G	T	-0.369	0.036	0.015	4.06E-24	-0.001	0.032	0.980	0.003	102.614	TRUE	2.05E-22
Overall asthma	ARRB2	rs11568110	T	C	0.395	0.030	0.025	1.40E-39	-0.036	0.030	0.220	0.005	173.306	TRUE	5.63E-35
Overall asthma	ARRB2	rs11650301	G	T	-0.105	0.009	0.337	8.35E-35	0.000	0.010	0.990	0.005	151.444	TRUE	2.53E-32
Overall asthma	ARRB2	rs11657711	T	C	-0.112	0.017	0.064	2.15E-11	0.010	0.018	0.590	0.001	44.826	TRUE	2.97E-10
Overall asthma	ARRB2	rs117945224	A	G	-0.120	0.016	0.092	1.57E-14	-0.010	0.016	0.540	0.002	59.000	TRUE	4.87E-13
Overall asthma	ARRB2	rs12451546	T	C	-0.102	0.017	0.077	9.32E-10	-0.021	0.020	0.280	0.001	37.459	TRUE	2.05E-08
Overall asthma	ARRB2	rs146174946	A	C	0.457	0.030	0.022	3.02E-51	0.006	0.034	0.870	0.007	226.753	TRUE	3.12E-47
Overall asthma	ARRB2	rs151021726	A	G	0.261	0.042	0.018	5.56E-10	0.032	0.031	0.310	0.001	38.467	TRUE	1.26E-08
Overall asthma	ARRB2	rs188900185	T	C	0.370	0.037	0.022	2.02E-23	0.011	0.031	0.720	0.003	99.438	TRUE	2.11E-21
Overall asthma	ARRB2	rs1986349	A	G	0.164	0.008	0.454	3.63E-91	-0.004	0.010	0.680	0.013	409.994	TRUE	2.44E-83
Overall asthma	ARRB2	rs2255888	C	T	0.423	0.009	0.238	0.00E+00	0.025	0.011	0.023	0.063	2122.388	TRUE	0.00E+00
Overall asthma	ARRB2	rs2304969	T	G	-0.065	0.011	0.159	8.28E-09	-0.003	0.014	0.860	0.001	33.205	TRUE	3.83E-08
Overall asthma	ARRB2	rs2304973	A	G	-0.129	0.015	0.081	3.23E-18	0.039	0.018	0.028	0.002	75.737	TRUE	6.73E-15
Overall asthma	ARRB2	rs2586527	G	A	-0.064	0.010	0.213	6.84E-11	0.005	0.012	0.700	0.001	42.563	TRUE	6.48E-10
Overall asthma	ARRB2	rs34104097	T	C	-0.268	0.042	0.025	1.92E-10	0.078	0.052	0.130	0.001	40.549	TRUE	1.04E-08

Overall asthma	ARRB2	rs34994526	G	A	-0.076	0.009	0.294	5.85E-17	-0.012	0.011	0.270	0.002	70.022	TRUE	8.60E-15
Overall asthma	ARRB2	rs35542199	G	A	-0.173	0.031	0.022	3.37E-08	0.004	0.029	0.880	0.001	30.479	TRUE	1.33E-07
Overall asthma	ARRB2	rs4790656	T	C	-0.070	0.013	0.133	2.69E-08	0.003	0.013	0.840	0.001	30.914	TRUE	1.17E-07
Overall asthma	ARRB2	rs4790693	T	C	-0.135	0.014	0.102	3.34E-23	-0.009	0.015	0.560	0.003	98.439	TRUE	5.98E-21
Overall asthma	ARRB2	rs4790694	A	C	-0.232	0.012	0.143	3.63E-83	0.005	0.013	0.680	0.012	373.246	TRUE	5.09E-76
Overall asthma	ARRB2	rs4790702	G	A	-0.087	0.008	0.468	7.41E-27	-0.013	0.010	0.190	0.004	115.113	TRUE	2.26E-23
Overall asthma	ARRB2	rs55670980	T	C	0.194	0.020	0.060	1.06E-21	-0.013	0.019	0.520	0.003	91.587	TRUE	1.81E-19
Overall asthma	ARRB2	rs56271859	A	G	-0.149	0.009	0.317	1.32E-64	-0.017	0.011	0.120	0.009	288.032	TRUE	6.66E-57
Overall asthma	ARRB2	rs56376949	T	G	0.600	0.041	0.017	1.99E-47	-0.019	0.039	0.630	0.007	209.246	TRUE	3.38E-43
Overall asthma	ARRB2	rs58209386	T	C	-0.082	0.014	0.104	1.03E-08	0.021	0.014	0.130	0.001	32.790	TRUE	3.28E-07
Overall asthma	ARRB2	rs7215121	A	G	-0.061	0.010	0.384	1.61E-09	0.014	0.010	0.160	0.001	36.390	TRUE	5.95E-08
Overall asthma	ARRB2	rs7218698	G	T	0.142	0.009	0.340	1.78E-62	0.014	0.010	0.160	0.009	278.264	TRUE	2.93E-55
Overall asthma	ARRB2	rs74574706	T	C	0.111	0.014	0.097	4.83E-16	0.002	0.017	0.910	0.002	65.859	TRUE	7.33E-15
Overall asthma	ARRB2	rs76960659	A	G	-0.161	0.025	0.034	1.51E-10	-0.005	0.023	0.830	0.001	41.014	TRUE	1.02E-09
Overall asthma	ARRB2	rs77627231	T	C	-0.099	0.011	0.180	7.08E-21	-0.007	0.013	0.560	0.003	87.840	TRUE	7.50E-19
Overall asthma	ARRB2	rs8076142	C	T	0.204	0.011	0.179	3.74E-73	0.004	0.012	0.730	0.010	327.270	TRUE	5.17E-67
Overall asthma	ARRB2	rs8077825	G	A	-0.064	0.012	0.139	4.73E-08	0.004	0.014	0.760	0.001	29.823	TRUE	2.29E-07
Overall asthma	ARRB2	rs9894403	A	G	-0.151	0.014	0.105	7.21E-28	-0.011	0.015	0.430	0.004	119.734	TRUE	5.16E-25
Overall asthma	BCL2L11	rs113135335	G	T	0.165	0.013	0.109	3.04E-38	0.100	0.016	6.60E-11	0.005	167.180	TRUE	6.07E-27
Overall asthma	BCL2L11	rs6734942	T	C	-0.086	0.008	0.367	1.24E-25	-0.035	0.010	2.90E-04	0.003	109.526	TRUE	8.67E-20
Overall asthma	BMP4	rs149196853	A	G	0.206	0.035	0.020	4.24E-09	0.051	0.034	0.130	0.001	34.506	TRUE	1.53E-07
Overall asthma	BMP4	rs6572937	C	T	-0.080	0.013	0.121	1.00E-09	-0.027	0.016	0.080	0.001	37.320	TRUE	5.82E-08
Overall asthma	BMP4	rs8007000	T	C	0.074	0.010	0.191	2.81E-13	0.027	0.012	0.021	0.002	53.334	TRUE	1.36E-10
Overall asthma	BNIP3	rs11146255	A	G	0.277	0.034	0.257	1.71E-16	-0.009	0.011	0.450	0.002	67.906	TRUE	1.15E-14
Overall asthma	BNIP3	rs7077135	C	T	-0.130	0.017	0.245	2.46E-14	-0.030	0.011	0.007	0.002	58.125	TRUE	4.10E-11
Overall asthma	BOK	rs113195051	T	C	-0.129	0.023	0.055	1.64E-08	0.024	0.018	0.170	0.001	31.880	TRUE	3.88E-07
Overall asthma	BOK	rs115510766	A	G	-0.388	0.035	0.019	7.82E-29	0.086	0.033	0.009	0.004	124.140	TRUE	1.31E-23
Overall asthma	BOK	rs115571313	G	T	0.216	0.033	0.018	6.72E-11	-0.005	0.032	0.880	0.001	42.597	TRUE	4.33E-10
Overall asthma	BOK	rs13408032	T	C	-0.076	0.012	0.130	6.70E-10	0.017	0.014	0.220	0.001	38.104	TRUE	1.98E-08
Overall asthma	BOK	rs141321085	A	G	0.192	0.031	0.020	4.49E-10	0.046	0.029	0.120	0.001	38.883	TRUE	2.50E-08
Overall asthma	BOK	rs142465488	A	C	-0.356	0.025	0.034	3.17E-45	0.033	0.026	0.200	0.006	199.160	TRUE	5.93E-40
Overall asthma	BOK	rs142686422	C	T	0.209	0.036	0.016	7.79E-09	0.018	0.035	0.600	0.001	33.325	TRUE	6.03E-08
Overall asthma	BOK	rs147597708	A	G	-0.364	0.043	0.071	2.76E-17	-0.170	0.280	0.550	0.002	71.503	TRUE	1.54E-15
Overall asthma	BOK	rs150499816	T	C	-0.174	0.022	0.042	8.03E-16	0.038	0.021	0.076	0.002	64.859	TRUE	3.82E-13
Overall asthma	BOK	rs34038381	G	A	-0.166	0.024	0.036	2.46E-12	0.014	0.024	0.570	0.002	49.072	TRUE	4.55E-11
Overall asthma	BOK	rs35269447	A	G	0.330	0.029	0.023	3.76E-30	-0.032	0.029	0.280	0.004	130.162	TRUE	1.29E-26
Overall asthma	BOK	rs4413188	G	A	-0.054	0.010	0.472	1.63E-08	-0.005	0.010	0.640	0.001	31.884	TRUE	1.10E-07
Overall asthma	BOK	rs4675934	G	A	-0.118	0.015	0.082	2.63E-14	0.005	0.019	0.790	0.002	57.988	TRUE	3.93E-13
Overall asthma	BOK	rs4675935	C	T	-0.123	0.011	0.463	1.11E-30	0.013	0.010	0.200	0.004	132.588	TRUE	7.63E-27
Overall asthma	BOK	rs56103920	G	A	-0.137	0.010	0.361	3.14E-43	0.011	0.010	0.280	0.006	190.015	TRUE	2.13E-38
Overall asthma	BOK	rs59389004	T	C	-0.114	0.013	0.098	2.14E-17	0.011	0.016	0.500	0.002	72.005	TRUE	1.46E-15
Overall asthma	BOK	rs6437277	A	G	0.081	0.011	0.191	9.51E-14	0.013	0.011	0.270	0.002	55.463	TRUE	7.47E-12

Overall asthma	BOK	rs6754085	C	T	-0.290	0.009	0.297	1.39E-252	0.040	0.011	1.40E-04	0.035	1152.262	TRUE	7.99E-218
Overall asthma	BOK	rs6759601	G	A	-0.086	0.013	0.098	1.95E-10	0.036	0.015	0.019	0.001	40.513	TRUE	4.31E-08
Overall asthma	BOK	rs73110145	C	T	-0.098	0.013	0.105	6.37E-14	0.025	0.015	0.110	0.002	56.250	TRUE	1.31E-11
Overall asthma	BOK	rs74003742	T	C	0.242	0.014	0.093	3.25E-64	0.009	0.015	0.540	0.009	286.241	TRUE	2.78E-58
Overall asthma	BOK	rs7424328	C	T	-0.086	0.011	0.487	8.89E-15	0.012	0.010	0.240	0.002	60.123	TRUE	9.45E-13
Overall asthma	BOK	rs7558942	A	G	0.108	0.009	0.432	1.02E-32	-0.025	0.010	0.009	0.004	141.900	TRUE	5.14E-27
Overall asthma	BOK	rs7578199	C	T	-0.052	0.009	0.238	4.06E-08	0.006	0.011	0.620	0.001	30.121	TRUE	2.71E-07
Overall asthma	BOK	rs77248891	G	A	0.085	0.015	0.105	9.50E-09	-0.026	0.015	0.089	0.001	32.939	TRUE	4.28E-07
Overall asthma	BOK	rs9288728	C	T	-0.134	0.010	0.524	2.32E-45	0.006	0.010	0.520	0.006	199.781	TRUE	4.74E-41
Overall asthma	BRSK2	rs11603658	C	T	-0.063	0.009	0.493	1.51E-11	-0.026	0.010	0.006	0.001	45.524	TRUE	8.30E-09
Overall asthma	CAPNS1	rs10418139	A	G	0.052	0.009	0.275	5.90E-09	-0.002	0.011	0.820	0.001	33.866	TRUE	2.98E-08
Overall asthma	CAPNS1	rs113020707	T	C	0.093	0.016	0.084	7.57E-09	0.001	0.017	0.950	0.001	33.381	TRUE	2.93E-08
Overall asthma	CAPNS1	rs117169274	A	G	-0.162	0.025	0.027	1.41E-10	0.004	0.031	0.890	0.001	41.147	TRUE	8.42E-10
Overall asthma	CAPNS1	rs117570606	C	T	0.187	0.023	0.041	1.10E-16	0.021	0.022	0.330	0.002	68.773	TRUE	1.14E-14
Overall asthma	CAPNS1	rs118038269	T	C	0.082	0.014	0.113	4.39E-09	-0.022	0.014	0.110	0.001	34.441	TRUE	1.75E-07
Overall asthma	CAPNS1	rs148907637	C	A	-0.245	0.033	0.019	9.49E-14	-0.025	0.034	0.460	0.002	55.466	TRUE	3.19E-12
Overall asthma	CAPNS1	rs17879437	C	T	-0.058	0.009	0.244	3.86E-10	0.010	0.011	0.370	0.001	39.178	TRUE	7.51E-09
Overall asthma	CAPNS1	rs17882574	G	A	0.111	0.016	0.087	7.68E-13	0.006	0.017	0.720	0.002	51.360	TRUE	1.05E-11
Overall asthma	CAPNS1	rs2056397	T	G	0.105	0.016	0.074	1.44E-10	-0.003	0.018	0.850	0.001	41.112	TRUE	9.23E-10
Overall asthma	CAPNS1	rs2073897	G	A	0.164	0.022	0.035	2.39E-13	0.008	0.027	0.770	0.002	53.649	TRUE	3.11E-12
Overall asthma	CAPNS1	rs2231568	C	T	-0.186	0.008	0.376	2.75E-114	0.023	0.010	0.019	0.016	516.227	TRUE	1.43E-99
Overall asthma	CAPNS1	rs2918333	A	G	-0.237	0.018	0.062	1.44E-37	-0.011	0.018	0.550	0.005	164.091	TRUE	5.28E-34
Overall asthma	CAPNS1	rs3108181	G	A	0.050	0.008	0.375	9.95E-10	0.007	0.010	0.490	0.001	37.332	TRUE	1.24E-08
Overall asthma	CAPNS1	rs4372811	T	C	-0.222	0.031	0.025	5.28E-13	-0.012	0.033	0.720	0.002	52.096	TRUE	7.45E-12
Overall asthma	CAPNS1	rs4806237	A	G	0.070	0.009	0.285	9.59E-15	0.000	0.011	0.990	0.002	59.975	TRUE	9.36E-14
Overall asthma	CAPNS1	rs62111388	G	T	-0.153	0.010	0.232	6.83E-54	-0.015	0.011	0.180	0.007	238.887	TRUE	1.34E-47
Overall asthma	CAPNS1	rs7254830	C	T	-0.143	0.014	0.100	2.09E-23	-0.005	0.016	0.760	0.003	99.366	TRUE	1.92E-21
Overall asthma	CAPNS1	rs77411375	A	G	-0.154	0.022	0.043	1.99E-12	0.005	0.021	0.800	0.002	49.494	TRUE	2.06E-11
Overall asthma	CAPNS1	rs9789306	T	C	0.117	0.014	0.088	7.58E-17	-0.003	0.016	0.860	0.002	69.511	TRUE	1.51E-15
Overall asthma	CASP10	rs1135266	T	C	0.103	0.016	0.079	1.13E-10	0.025	0.016	0.120	0.001	41.587	TRUE	7.26E-09
Overall asthma	CASP10	rs11683632	T	C	0.059	0.008	0.418	3.39E-13	0.018	0.010	0.067	0.002	52.963	TRUE	8.16E-11
Overall asthma	CASP10	rs12052257	A	G	-0.067	0.008	0.397	1.82E-16	-0.010	0.010	0.300	0.002	67.781	TRUE	2.05E-14
Overall asthma	CASP10	rs13005094	T	C	-0.118	0.008	0.490	7.77E-50	-0.028	0.010	0.003	0.007	220.289	TRUE	2.16E-41
Overall asthma	CASP10	rs1914260	G	A	-0.064	0.010	0.201	1.23E-10	-0.005	0.012	0.670	0.001	41.420	TRUE	1.20E-09
Overall asthma	CASP10	rs41373151	A	G	-0.123	0.018	0.056	4.40E-12	-0.007	0.019	0.740	0.002	47.933	TRUE	4.99E-11
Overall asthma	CASP10	rs67358415	G	T	0.107	0.017	0.062	3.95E-10	-0.017	0.018	0.350	0.001	39.135	TRUE	8.11E-09
Overall asthma	CASP10	rs72927023	A	T	-0.078	0.013	0.115	4.95E-10	-0.014	0.015	0.350	0.001	38.696	TRUE	9.73E-09
Overall asthma	CASP8AP2	rs72919981	C	T	-0.124	0.018	0.126	3.71E-12	-0.029	0.014	0.045	0.002	48.271	TRUE	8.94E-10
Overall asthma	CBL	rs11217241	T	C	-0.189	0.022	0.099	2.07E-17	-0.022	0.020	0.270	0.002	72.069	TRUE	3.47E-15
Overall asthma	CBL	rs112233726	A	G	0.195	0.036	0.035	4.21E-08	0.015	0.022	0.500	0.001	30.051	TRUE	3.53E-07
Overall asthma	CBL	rs117431399	G	T	-0.558	0.061	0.016	6.80E-20	-0.100	0.035	0.003	0.003	83.366	TRUE	1.11E-15
Overall asthma	CBL	rs1784304	A	C	0.083	0.014	0.253	4.54E-09	0.017	0.012	0.160	0.001	34.375	TRUE	1.44E-07

Overall asthma	CBL	rs1918	C	T	0.190	0.033	0.040	1.24E-08	0.007	0.024	0.770	0.001	32.424	TRUE	6.54E-08
Overall asthma	CBL	rs2155380	G	A	-0.315	0.013	0.294	4.72E-135	-0.040	0.011	2.00E-04	0.019	611.683	TRUE	1.37E-114
Overall asthma	CBL	rs2509656	A	G	0.145	0.019	0.131	1.06E-13	0.033	0.013	0.016	0.002	55.248	TRUE	9.95E-11
Overall asthma	CBL	rs2511842	T	C	-0.542	0.054	0.017	1.69E-23	-0.048	0.032	0.130	0.003	99.790	TRUE	3.36E-20
Overall asthma	CBL	rs616314	A	T	0.121	0.016	0.159	6.58E-14	-0.012	0.013	0.350	0.002	56.187	TRUE	3.29E-12
Overall asthma	CBL	rs674424	T	C	0.104	0.014	0.249	2.55E-14	-0.020	0.011	0.072	0.002	58.052	TRUE	7.83E-12
Overall asthma	CBL	rs73001395	T	C	0.196	0.021	0.105	4.50E-20	0.019	0.014	0.190	0.003	84.183	TRUE	2.62E-17
Overall asthma	CBL	rs77638281	A	G	-0.216	0.033	0.034	3.36E-11	-0.009	0.022	0.670	0.001	43.952	TRUE	3.71E-10
Overall asthma	CD5	rs10736712	C	T	-0.152	0.024	0.038	2.10E-10	-0.058	0.041	0.160	0.001	40.368	TRUE	9.85E-09
Overall asthma	CD5	rs10792298	A	G	0.056	0.008	0.426	4.11E-12	-0.008	0.010	0.440	0.002	48.069	TRUE	1.04E-10
Overall asthma	CD5	rs11230540	G	A	-0.180	0.022	0.035	1.07E-16	0.069	0.031	0.026	0.002	68.839	TRUE	1.54E-13
Overall asthma	CD5	rs11230548	A	C	0.098	0.009	0.269	1.46E-27	0.014	0.011	0.210	0.004	118.337	TRUE	4.39E-24
Overall asthma	CD5	rs117453032	T	C	-0.231	0.034	0.020	1.77E-11	0.036	0.026	0.170	0.001	45.206	TRUE	1.08E-09
Overall asthma	CD5	rs117645775	T	C	0.250	0.042	0.016	1.93E-09	0.005	0.038	0.890	0.001	36.041	TRUE	9.45E-09
Overall asthma	CD5	rs2074203	C	A	-0.078	0.010	0.183	4.02E-14	0.016	0.012	0.180	0.002	57.153	TRUE	4.65E-12
Overall asthma	CD5	rs3016368	T	C	0.064	0.008	0.346	2.47E-14	0.010	0.010	0.340	0.002	58.116	TRUE	1.59E-12
Overall asthma	CD5	rs3019567	G	C	0.317	0.014	0.086	1.64E-112	-0.027	0.017	0.120	0.016	508.079	TRUE	7.08E-100
Overall asthma	CD5	rs3862666	A	C	0.114	0.010	0.203	3.86E-31	-0.005	0.011	0.670	0.004	134.682	TRUE	2.26E-28
Overall asthma	CD5	rs483398	T	C	-0.127	0.008	0.335	2.52E-51	0.009	0.010	0.350	0.007	227.114	TRUE	5.33E-46
Overall asthma	CD5	rs4939481	G	A	-0.093	0.012	0.116	8.52E-14	0.001	0.015	0.960	0.002	55.678	TRUE	7.57E-13
Overall asthma	CD5	rs4939489	T	C	-0.204	0.008	0.366	3.31E-135	-0.022	0.010	0.023	0.019	612.393	TRUE	1.76E-118
Overall asthma	CD5	rs55951851	G	A	-0.110	0.015	0.085	8.64E-13	-0.009	0.014	0.540	0.002	51.128	TRUE	1.87E-11
Overall asthma	CD5	rs73478347	A	G	-0.155	0.022	0.035	1.07E-12	-0.047	0.025	0.059	0.002	50.708	TRUE	2.21E-10
Overall asthma	CD5	rs75148619	T	C	0.103	0.013	0.107	1.85E-15	-0.012	0.015	0.440	0.002	63.218	TRUE	1.04E-13
Overall asthma	CD5	rs77696239	T	C	0.139	0.025	0.027	4.43E-08	-0.058	0.031	0.058	0.001	29.950	TRUE	1.91E-06
Overall asthma	CD5	rs916812	T	C	0.072	0.013	0.116	1.67E-08	0.003	0.015	0.830	0.001	31.846	TRUE	7.68E-08
Overall asthma	CD70	rs17516272	T	G	-0.100	0.014	0.091	6.09E-13	0.025	0.017	0.140	0.002	51.814	TRUE	6.55E-11
Overall asthma	CD70	rs2029745	C	T	-0.098	0.008	0.401	2.42E-33	0.042	0.010	2.10E-05	0.005	144.750	TRUE	2.10E-25
Overall asthma	CD70	rs344607	T	C	0.126	0.011	0.146	4.35E-28	-0.030	0.014	0.029	0.004	120.737	TRUE	1.64E-23
Overall asthma	CD70	rs392972	T	C	0.071	0.008	0.500	9.85E-19	-0.016	0.010	0.100	0.002	78.084	TRUE	8.06E-16
Overall asthma	CISD2	rs111791762	A	G	-0.122	0.017	0.066	5.56E-13	-0.030	0.017	0.075	0.002	51.992	TRUE	1.03E-10
Overall asthma	CISD2	rs113360567	T	C	-0.169	0.016	0.067	1.77E-26	-0.019	0.017	0.280	0.004	113.386	TRUE	2.69E-23
Overall asthma	CISD2	rs141190853	T	C	0.111	0.018	0.066	3.54E-10	0.007	0.019	0.720	0.001	39.348	TRUE	2.78E-09
Overall asthma	CISD2	rs1598858	G	A	-0.066	0.008	0.332	4.40E-15	-0.017	0.010	0.096	0.002	61.509	TRUE	1.35E-12
Overall asthma	CISD2	rs17254507	C	T	-0.304	0.030	0.021	6.43E-25	-0.028	0.031	0.380	0.003	106.265	TRUE	3.86E-22
Overall asthma	CISD2	rs230547	T	C	0.084	0.014	0.091	1.28E-09	0.021	0.017	0.220	0.001	36.842	TRUE	3.62E-08
Overall asthma	CISD2	rs28871712	C	T	-0.072	0.008	0.463	1.35E-19	-0.017	0.010	0.069	0.003	82.006	TRUE	1.78E-16
Overall asthma	CISD2	rs6822658	G	T	-0.194	0.008	0.480	1.01E-117	-0.027	0.010	0.004	0.017	532.023	TRUE	2.21E-101
Overall asthma	CISD2	rs74819220	C	T	-0.107	0.018	0.051	4.72E-09	0.009	0.022	0.700	0.001	34.297	TRUE	3.15E-08
Overall asthma	DAXX	rs1061783	C	T	0.229	0.012	0.474	2.24E-81	-0.029	0.010	0.003	0.011	365.020	TRUE	7.95E-69
Overall asthma	DAXX	rs115703363	A	G	0.300	0.053	0.019	1.27E-08	-0.007	0.029	0.820	0.001	32.376	TRUE	6.11E-08
Overall asthma	DAXX	rs149283903	A	G	0.160	0.029	0.047	2.52E-08	-0.040	0.025	0.110	0.001	31.043	TRUE	8.19E-07

Overall asthma	DAXX	rs210134	A	G	0.093	0.013	0.283	1.60E-12	-0.006	0.010	0.560	0.002	49.917	TRUE	3.18E-11
Overall asthma	DAXX	rs2855438	T	A	-0.119	0.019	0.147	6.45E-10	-0.040	0.014	0.003	0.001	38.178	TRUE	2.28E-07
Overall asthma	DAXX	rs396090	G	A	0.077	0.012	0.475	1.76E-10	-0.011	0.010	0.270	0.001	40.712	TRUE	5.59E-09
Overall asthma	DAXX	rs6924988	A	G	-0.338	0.061	0.016	2.70E-08	0.022	0.044	0.620	0.001	30.912	TRUE	1.82E-07
Overall asthma	DAXX	rs75086869	A	G	0.163	0.024	0.065	2.19E-11	-0.013	0.019	0.520	0.001	44.788	TRUE	3.93E-10
Overall asthma	DAXX	rs76766085	T	C	-0.219	0.021	0.090	1.27E-25	0.086	0.015	2.20E-08	0.003	109.480	TRUE	1.63E-17
Overall asthma	DDRGK1	rs11087572	G	A	0.122	0.009	0.293	1.23E-43	0.010	0.010	0.330	0.006	191.872	TRUE	5.97E-39
Overall asthma	DDRGK1	rs116301611	A	G	0.252	0.028	0.026	3.09E-19	-0.035	0.026	0.180	0.003	80.374	TRUE	1.41E-16
Overall asthma	DDRGK1	rs117178710	C	T	0.173	0.027	0.029	9.37E-11	0.023	0.027	0.410	0.001	41.946	TRUE	1.93E-09
Overall asthma	DDRGK1	rs117351792	T	C	-0.244	0.032	0.017	3.23E-14	-0.028	0.043	0.510	0.002	57.586	TRUE	1.02E-12
Overall asthma	DDRGK1	rs138333601	A	C	-0.349	0.036	0.019	2.37E-22	0.010	0.044	0.810	0.003	94.562	TRUE	1.46E-20
Overall asthma	DDRGK1	rs138753251	T	C	0.275	0.011	0.168	2.57E-150	-0.027	0.013	0.037	0.021	681.868	TRUE	1.93E-132
Overall asthma	DDRGK1	rs141319211	A	G	-0.310	0.017	0.064	1.44E-77	-0.012	0.018	0.500	0.011	347.531	TRUE	2.25E-70
Overall asthma	DDRGK1	rs148063101	A	G	0.219	0.031	0.019	1.43E-12	0.021	0.039	0.600	0.002	50.134	TRUE	2.57E-11
Overall asthma	DDRGK1	rs149883360	T	C	0.213	0.036	0.019	1.97E-09	-0.043	0.031	0.160	0.001	36.005	TRUE	6.63E-08
Overall asthma	DDRGK1	rs151242287	T	C	0.176	0.028	0.029	1.88E-10	-0.004	0.035	0.910	0.001	40.582	TRUE	1.06E-09
Overall asthma	DDRGK1	rs151558	G	A	0.085	0.012	0.129	9.08E-13	0.007	0.015	0.630	0.002	51.031	TRUE	1.52E-11
Overall asthma	DDRGK1	rs167391	T	A	0.082	0.012	0.377	2.69E-11	-0.019	0.011	0.066	0.001	44.385	TRUE	2.75E-09
Overall asthma	DDRGK1	rs183200992	G	A	-0.300	0.041	0.018	1.32E-13	-0.051	0.041	0.210	0.002	54.813	TRUE	1.13E-11
Overall asthma	DDRGK1	rs235553	C	T	0.060	0.010	0.175	8.64E-09	-0.005	0.012	0.660	0.001	33.122	TRUE	6.02E-08
Overall asthma	DDRGK1	rs2753978	T	C	-0.143	0.009	0.226	2.60E-51	-0.001	0.011	0.930	0.007	227.055	TRUE	2.00E-47
Overall asthma	DDRGK1	rs2853215	A	G	-0.065	0.010	0.267	1.51E-11	-0.015	0.011	0.160	0.001	45.516	TRUE	9.06E-10
Overall asthma	DDRGK1	rs34411219	T	C	-0.289	0.022	0.034	8.61E-40	0.043	0.025	0.089	0.005	174.267	TRUE	2.08E-34
Overall asthma	DDRGK1	rs3810559	G	T	-0.225	0.008	0.453	1.09E-179	0.015	0.010	0.110	0.025	816.940	TRUE	2.66E-160
Overall asthma	DDRGK1	rs4813629	A	G	-0.306	0.008	0.401	0.00E+00	0.000	0.010	0.960	0.045	1487.271	TRUE	5.85E-297
Overall asthma	DDRGK1	rs4815570	T	G	0.121	0.009	0.244	1.46E-38	-0.014	0.011	0.190	0.005	168.641	TRUE	5.93E-34
Overall asthma	DDRGK1	rs511898	T	C	0.073	0.008	0.350	1.51E-18	-0.005	0.010	0.600	0.002	77.245	TRUE	9.19E-17
Overall asthma	DDRGK1	rs516681	G	C	0.156	0.021	0.043	3.28E-13	-0.004	0.023	0.870	0.002	53.027	TRUE	3.30E-12
Overall asthma	DDRGK1	rs55750620	A	G	-0.280	0.017	0.063	6.63E-61	0.003	0.019	0.870	0.008	271.051	TRUE	4.02E-56
Overall asthma	DDRGK1	rs6051643	G	A	0.185	0.031	0.020	3.88E-09	0.013	0.031	0.670	0.001	34.680	TRUE	2.77E-08
Overall asthma	DDRGK1	rs6084282	T	C	0.143	0.013	0.101	1.38E-27	0.014	0.016	0.390	0.004	118.441	TRUE	1.39E-24
Overall asthma	DDRGK1	rs6084415	A	C	0.126	0.020	0.046	2.17E-10	-0.001	0.022	0.970	0.001	40.307	TRUE	1.06E-09
Overall asthma	DDRGK1	rs6084436	T	C	0.100	0.017	0.059	4.05E-09	-0.004	0.019	0.820	0.001	34.596	TRUE	2.15E-08
Overall asthma	DDRGK1	rs616641	C	A	0.131	0.016	0.065	5.26E-16	-0.025	0.020	0.210	0.002	65.693	TRUE	8.48E-14
Overall asthma	DDRGK1	rs67494513	G	A	-0.077	0.013	0.105	2.62E-09	0.003	0.017	0.840	0.001	35.443	TRUE	1.36E-08
Overall asthma	DDRGK1	rs7260750	G	A	0.081	0.008	0.345	2.60E-22	-0.003	0.010	0.750	0.003	94.379	TRUE	2.01E-20
Overall asthma	DDRGK1	rs75744682	A	C	-0.085	0.014	0.096	9.72E-10	-0.005	0.015	0.730	0.001	37.379	TRUE	6.91E-09
Overall asthma	DDRGK1	rs77536899	G	A	0.236	0.031	0.019	3.02E-14	-0.025	0.034	0.450	0.002	57.717	TRUE	1.13E-12
Overall asthma	DDRGK1	rs77552846	G	A	-0.421	0.047	0.016	1.94E-19	0.065	0.036	0.072	0.003	81.290	TRUE	2.65E-16
Overall asthma	DDRGK1	rs79887780	T	C	0.278	0.032	0.020	5.72E-18	0.019	0.034	0.570	0.002	74.610	TRUE	3.30E-16
Overall asthma	DDRGK1	rs8120592	T	C	0.075	0.014	0.093	4.46E-08	0.005	0.015	0.750	0.001	29.937	TRUE	2.19E-07
Overall asthma	DDX5	rs117024269	T	C	-0.356	0.046	0.029	1.81E-14	-0.036	0.026	0.170	0.002	58.724	TRUE	2.54E-12

Overall asthma	DDX5	rs117839365	T	C	0.190	0.021	0.086	4.06E-19	0.000	0.017	0.980	0.003	79.833	TRUE	8.59E-18
Overall asthma	DDX5	rs11870905	C	A	0.247	0.042	0.037	5.05E-09	-0.051	0.028	0.065	0.001	34.169	TRUE	2.83E-07
Overall asthma	DDX5	rs12945965	A	G	0.224	0.028	0.109	4.69E-16	0.038	0.013	0.004	0.002	65.917	TRUE	2.16E-12
Overall asthma	DDX5	rs147964477	A	G	-0.387	0.070	0.017	2.98E-08	-0.018	0.034	0.610	0.001	30.716	TRUE	2.08E-07
Overall asthma	DDX5	rs17650301	C	A	-0.561	0.012	0.304	0.00E+00	-0.036	0.010	5.10E-04	0.063	2136.300	TRUE	0.00E+00
Overall asthma	DDX5	rs17651039	G	A	-0.443	0.055	0.014	5.68E-16	-0.038	0.043	0.370	0.002	65.541	TRUE	4.27E-14
Overall asthma	DDX5	rs182984201	A	G	0.253	0.045	0.039	1.85E-08	0.025	0.020	0.210	0.001	31.646	TRUE	3.83E-07
Overall asthma	DDX5	rs28658574	C	T	-0.082	0.014	0.221	9.54E-09	-0.004	0.011	0.740	0.001	32.932	TRUE	5.62E-08
Overall asthma	DDX5	rs41548920	G	A	-0.459	0.048	0.022	4.43E-22	-0.002	0.033	0.950	0.003	93.321	TRUE	1.72E-20
Overall asthma	DDX5	rs62071607	G	A	-0.183	0.026	0.054	2.45E-12	0.003	0.020	0.860	0.002	49.086	TRUE	2.12E-11
Overall asthma	DDX5	rs72844239	C	A	0.211	0.033	0.068	2.26E-10	0.004	0.019	0.810	0.001	40.228	TRUE	1.52E-09
Overall asthma	DDX5	rs76237288	G	A	-0.414	0.034	0.044	6.60E-35	-0.025	0.031	0.420	0.005	151.911	TRUE	2.62E-31
Overall asthma	DDX5	rs77672322	T	C	-0.498	0.059	0.018	4.15E-17	-0.026	0.030	0.380	0.002	70.700	TRUE	3.91E-15
Overall asthma	DDX5	rs8073966	T	C	-0.405	0.026	0.053	1.34E-53	-0.023	0.022	0.310	0.007	237.546	TRUE	7.03E-48
Overall asthma	DEPTOR	rs10283100	A	G	0.140	0.019	0.058	3.21E-13	0.005	0.021	0.800	0.002	53.073	TRUE	3.82E-12
Overall asthma	DEPTOR	rs117257206	A	G	-0.091	0.015	0.091	2.07E-09	0.014	0.018	0.440	0.001	35.904	TRUE	2.74E-08
Overall asthma	DEPTOR	rs11993258	A	T	-0.056	0.010	0.324	4.16E-08	0.008	0.011	0.440	0.001	30.073	TRUE	3.83E-07
Overall asthma	DEPTOR	rs1467044	G	A	-0.202	0.009	0.489	3.95E-122	-0.020	0.010	0.037	0.017	552.283	TRUE	3.51E-107
Overall asthma	DEPTOR	rs147626496	A	G	0.236	0.040	0.020	3.31E-09	-0.130	0.062	0.038	0.001	34.990	TRUE	2.94E-07
Overall asthma	DEPTOR	rs2063284	G	A	-0.136	0.010	0.232	3.10E-40	-0.001	0.011	0.940	0.006	176.300	TRUE	3.10E-37
Overall asthma	DEPTOR	rs28570063	A	G	-0.146	0.025	0.032	5.93E-09	-0.008	0.030	0.790	0.001	33.854	TRUE	3.24E-08
Overall asthma	DEPTOR	rs57411572	C	T	-0.141	0.016	0.078	2.87E-18	0.004	0.018	0.840	0.002	75.970	TRUE	7.81E-17
Overall asthma	DEPTOR	rs62526560	G	A	0.162	0.018	0.082	9.17E-20	-0.002	0.017	0.910	0.003	82.775	TRUE	2.66E-18
Overall asthma	DEPTOR	rs62528695	T	C	-0.218	0.033	0.019	5.25E-11	0.055	0.038	0.150	0.001	43.078	TRUE	3.10E-09
Overall asthma	DEPTOR	rs7017581	G	A	-0.068	0.009	0.488	4.82E-15	-0.010	0.010	0.320	0.002	61.327	TRUE	3.68E-13
Overall asthma	DEPTOR	rs74759746	A	G	0.105	0.019	0.065	4.99E-08	0.008	0.018	0.670	0.001	29.718	TRUE	2.82E-07
Overall asthma	DEPTOR	rs78898975	C	T	-0.233	0.040	0.015	4.72E-09	0.013	0.034	0.700	0.001	34.298	TRUE	3.13E-08
Overall asthma	DLAT	rs10891299	T	G	-0.046	0.008	0.368	3.04E-08	0.025	0.010	0.014	0.001	30.681	TRUE	3.22E-06
Overall asthma	DLD	rs11771922	G	T	-0.099	0.010	0.288	2.84E-21	-0.008	0.010	0.430	0.003	89.644	TRUE	5.76E-19
Overall asthma	DLD	rs17154615	T	G	0.132	0.012	0.127	1.99E-28	-0.031	0.015	0.041	0.004	122.290	TRUE	6.70E-24
Overall asthma	DYRK2	rs1882033	A	G	-0.048	0.008	0.521	2.20E-09	0.023	0.010	0.018	0.001	35.785	TRUE	3.10E-07
Overall asthma	EIF4G2	rs12294220	C	T	-0.085	0.014	0.094	4.00E-09	0.017	0.018	0.340	0.001	34.619	TRUE	6.36E-08
Overall asthma	EIF4G2	rs2232928	G	A	0.087	0.016	0.071	2.55E-08	0.002	0.017	0.910	0.001	31.023	TRUE	9.84E-08
Overall asthma	EIF4G2	rs2242360	A	G	0.102	0.008	0.409	1.64E-36	-0.027	0.010	0.006	0.005	159.249	TRUE	4.87E-30
Overall asthma	ENO1	rs11121252	T	C	0.162	0.018	0.160	1.23E-19	-0.028	0.014	0.041	0.003	82.190	TRUE	2.75E-16
Overall asthma	ENO1	rs12070475	C	G	-0.083	0.013	0.335	6.86E-11	-0.002	0.010	0.830	0.001	42.555	TRUE	4.99E-10
Overall asthma	ENO1	rs12136374	A	G	-0.214	0.037	0.026	8.83E-09	-0.001	0.026	0.970	0.001	33.081	TRUE	3.25E-08
Overall asthma	ENO1	rs12141444	T	C	-0.158	0.021	0.092	1.24E-13	0.010	0.015	0.500	0.002	54.937	TRUE	3.56E-12
Overall asthma	ENO1	rs12144387	A	G	0.176	0.026	0.069	1.09E-11	-0.015	0.019	0.420	0.001	46.155	TRUE	2.52E-10
Overall asthma	ENO1	rs1884352	G	A	0.153	0.012	0.394	4.19E-37	-0.033	0.010	7.10E-04	0.005	161.967	TRUE	9.12E-30
Overall asthma	ENO1	rs2765512	C	T	0.128	0.012	0.467	3.78E-27	-0.031	0.010	0.001	0.004	116.447	TRUE	1.91E-21
Overall asthma	ENO1	rs6694243	T	C	-0.173	0.025	0.062	1.84E-12	-0.021	0.019	0.290	0.002	49.643	TRUE	9.01E-11

Overall asthma	ENO1	rs6701803	T	C	-0.168	0.021	0.084	2.34E-15	0.045	0.016	0.006	0.002	62.754	TRUE	6.70E-12
Overall asthma	ENO1	rs7525559	C	T	0.079	0.012	0.453	4.42E-11	-0.017	0.010	0.089	0.001	43.415	TRUE	4.40E-09
Overall asthma	ENO1	rs8627	T	C	0.076	0.012	0.491	1.27E-10	-0.005	0.010	0.600	0.001	41.350	TRUE	1.49E-09
Overall asthma	ENO1	rs914994	T	G	-0.283	0.013	0.292	1.72E-108	0.026	0.010	0.012	0.015	489.587	TRUE	8.51E-94
Overall asthma	ERBB3	rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	0.051	0.010	1.00E-07	0.013	424.916	TRUE	2.48E-75
Overall asthma	ERBB3	rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	0.023	0.019	0.230	0.002	50.140	TRUE	8.69E-11
Overall asthma	ERBB3	rs150823486	A	G	0.124	0.022	0.045	9.57E-09	-0.059	0.019	0.002	0.001	32.925	TRUE	2.82E-06
Overall asthma	ERBB3	rs773662	C	T	-0.091	0.015	0.075	2.12E-09	0.019	0.017	0.250	0.001	35.856	TRUE	4.72E-08
Overall asthma	FES	rs113043713	A	G	-0.343	0.035	0.017	7.28E-23	-0.032	0.033	0.340	0.003	96.898	TRUE	3.26E-20
Overall asthma	FES	rs113316526	A	G	-0.221	0.033	0.018	4.43E-11	-0.023	0.033	0.480	0.001	43.410	TRUE	7.59E-10
Overall asthma	FES	rs11631655	T	G	0.250	0.015	0.091	1.49E-62	0.020	0.016	0.210	0.009	278.612	TRUE	1.32E-55
Overall asthma	FES	rs11635448	A	G	0.094	0.011	0.172	9.19E-19	-0.002	0.013	0.870	0.002	78.222	TRUE	2.50E-17
Overall asthma	FES	rs117721646	A	G	0.210	0.033	0.020	3.29E-10	0.007	0.040	0.860	0.001	39.494	TRUE	1.94E-09
Overall asthma	FES	rs118187473	T	C	0.104	0.016	0.068	9.08E-11	0.009	0.019	0.650	0.001	42.008	TRUE	9.67E-10
Overall asthma	FES	rs12904679	T	G	0.175	0.013	0.103	9.33E-41	0.042	0.015	0.005	0.006	178.687	TRUE	1.05E-33
Overall asthma	FES	rs137870238	T	G	0.203	0.037	0.018	4.58E-08	-0.059	0.035	0.096	0.001	29.884	TRUE	1.54E-06
Overall asthma	FES	rs138682554	A	G	-0.768	0.030	0.023	8.24E-145	0.030	0.031	0.330	0.020	656.550	TRUE	1.13E-130
Overall asthma	FES	rs143405639	A	G	-0.371	0.033	0.020	2.53E-29	-0.006	0.034	0.860	0.004	126.379	TRUE	4.86E-27
Overall asthma	FES	rs143919862	G	A	0.200	0.025	0.042	2.10E-15	-0.005	0.023	0.820	0.002	62.963	TRUE	3.60E-14
Overall asthma	FES	rs144979467	A	G	-0.302	0.022	0.042	2.56E-42	-0.025	0.025	0.320	0.006	185.842	TRUE	9.60E-38
Overall asthma	FES	rs145783595	A	G	-0.095	0.017	0.072	1.31E-08	-0.022	0.017	0.200	0.001	32.315	TRUE	3.02E-07
Overall asthma	FES	rs150063647	T	C	0.282	0.029	0.026	8.67E-22	-0.040	0.029	0.170	0.003	91.993	TRUE	8.24E-19
Overall asthma	FES	rs150160013	C	T	0.269	0.035	0.020	2.03E-14	0.020	0.031	0.510	0.002	58.497	TRUE	6.63E-13
Overall asthma	FES	rs151180249	A	G	0.171	0.025	0.032	1.09E-11	0.004	0.024	0.860	0.001	46.161	TRUE	8.46E-11
Overall asthma	FES	rs16944863	G	A	0.198	0.013	0.109	3.92E-54	0.024	0.015	0.120	0.008	239.994	TRUE	2.06E-47
Overall asthma	FES	rs17593423	T	C	0.118	0.010	0.271	6.86E-33	-0.003	0.011	0.770	0.004	142.683	TRUE	3.61E-30
Overall asthma	FES	rs2004840	A	G	0.120	0.013	0.110	4.38E-21	0.032	0.017	0.060	0.003	88.787	TRUE	1.14E-17
Overall asthma	FES	rs2285531	A	G	0.068	0.008	0.358	2.08E-16	0.012	0.010	0.210	0.002	67.518	TRUE	3.36E-14
Overall asthma	FES	rs2532100	A	G	-0.193	0.010	0.290	3.31E-78	-0.012	0.011	0.260	0.011	350.471	TRUE	4.54E-70
Overall asthma	FES	rs28384998	T	C	-0.369	0.029	0.024	2.04E-36	0.066	0.032	0.042	0.005	158.816	TRUE	6.19E-31
Overall asthma	FES	rs28745026	G	A	-0.349	0.030	0.024	2.70E-31	-0.004	0.027	0.880	0.004	135.393	TRUE	6.74E-29
Overall asthma	FES	rs2890352	G	A	0.054	0.010	0.260	4.77E-08	-0.009	0.011	0.380	0.001	29.808	TRUE	4.98E-07
Overall asthma	FES	rs2892067	C	T	0.045	0.008	0.380	4.94E-08	0.022	0.010	0.029	0.001	29.738	TRUE	3.34E-06
Overall asthma	FES	rs34315029	A	G	0.173	0.028	0.026	3.44E-10	0.058	0.032	0.066	0.001	39.404	TRUE	2.82E-08
Overall asthma	FES	rs416014	A	G	0.119	0.008	0.362	6.56E-47	-0.012	0.010	0.230	0.006	206.875	TRUE	1.40E-41
Overall asthma	FES	rs426015	G	C	-0.252	0.009	0.271	7.84E-175	0.010	0.011	0.340	0.024	794.605	TRUE	5.40E-158
Overall asthma	FES	rs4514654	A	G	0.210	0.033	0.023	1.97E-10	0.023	0.036	0.520	0.001	40.493	TRUE	2.64E-09
Overall asthma	FES	rs4932386	G	C	-0.146	0.018	0.105	1.57E-15	-0.009	0.015	0.550	0.002	63.539	TRUE	6.10E-14
Overall asthma	FES	rs4932594	G	A	-0.267	0.024	0.033	4.38E-28	-0.015	0.024	0.530	0.004	120.720	TRUE	2.42E-25
Overall asthma	FES	rs56079832	C	A	-0.257	0.013	0.126	1.33E-88	-0.004	0.014	0.800	0.012	398.218	TRUE	2.40E-81
Overall asthma	FES	rs59804754	C	T	0.343	0.059	0.029	6.40E-09	-0.017	0.140	0.900	0.001	33.707	TRUE	2.76E-08
Overall asthma	FES	rs62025112	A	G	0.175	0.026	0.027	2.96E-11	0.000	0.027	1.000	0.001	44.201	TRUE	1.57E-10

Overall asthma	FES	rs6496724	C	A	0.088	0.009	0.262	3.62E-22	0.000	0.011	0.970	0.003	93.724	TRUE	1.35E-20
Overall asthma	FES	rs7166599	G	A	-0.382	0.009	0.323	0.00E+00	-0.014	0.010	0.160	0.054	1813.841	TRUE	0.00E+00
Overall asthma	FES	rs7169677	A	G	0.063	0.008	0.495	4.22E-15	0.006	0.010	0.550	0.002	61.590	TRUE	1.44E-13
Overall asthma	FES	rs7177049	A	C	-0.083	0.008	0.379	4.75E-23	0.006	0.010	0.590	0.003	97.743	TRUE	7.63E-21
Overall asthma	FES	rs72750207	T	C	0.137	0.024	0.036	9.84E-09	-0.022	0.023	0.340	0.001	32.870	TRUE	1.44E-07
Overall asthma	FES	rs72753646	A	C	0.235	0.025	0.031	1.50E-21	-0.021	0.021	0.310	0.003	90.914	TRUE	5.34E-19
Overall asthma	FES	rs72759311	T	C	0.197	0.023	0.042	4.29E-18	0.015	0.022	0.510	0.002	75.178	TRUE	3.35E-16
Overall asthma	FES	rs72759398	A	G	-0.229	0.017	0.065	1.08E-39	0.029	0.020	0.150	0.005	173.813	TRUE	1.04E-34
Overall asthma	FES	rs77514896	T	C	-0.187	0.019	0.057	1.01E-23	-0.025	0.019	0.200	0.003	100.799	TRUE	1.34E-20
Overall asthma	FES	rs8030253	A	C	0.062	0.010	0.251	2.73E-10	-0.015	0.011	0.170	0.001	39.857	TRUE	1.14E-08
Overall asthma	FES	rs8041774	A	G	-0.068	0.010	0.220	1.99E-12	-0.003	0.012	0.830	0.002	49.494	TRUE	1.91E-11
Overall asthma	FES	rs9282618	T	C	0.159	0.021	0.044	1.17E-14	-0.010	0.023	0.680	0.002	59.582	TRUE	2.57E-13
Overall asthma	FGR	rs34806307	T	C	0.195	0.017	0.058	5.57E-29	0.045	0.018	0.010	0.004	124.814	TRUE	7.27E-24
Overall asthma	FGR	rs72886321	A	C	0.223	0.034	0.019	6.00E-11	0.078	0.040	0.051	0.001	42.819	TRUE	7.87E-09
Overall asthma	FNIP2	rs10009938	G	A	-0.056	0.008	0.421	8.95E-12	0.019	0.010	0.048	0.001	46.542	TRUE	1.52E-09
Overall asthma	FNIP2	rs112718322	C	A	-0.159	0.022	0.036	9.85E-13	0.001	0.024	0.970	0.002	50.871	TRUE	7.10E-12
Overall asthma	FNIP2	rs115154624	G	A	-0.222	0.031	0.022	7.67E-13	-0.008	0.030	0.800	0.002	51.363	TRUE	8.58E-12
Overall asthma	FNIP2	rs116113577	C	T	-0.249	0.040	0.017	3.84E-10	0.020	0.046	0.660	0.001	39.193	TRUE	3.45E-09
Overall asthma	FNIP2	rs13119680	A	G	-0.250	0.040	0.015	3.07E-10	0.013	0.037	0.720	0.001	39.629	TRUE	2.45E-09
Overall asthma	FNIP2	rs146101133	A	G	-0.203	0.032	0.020	1.34E-10	0.010	0.037	0.800	0.001	41.245	TRUE	9.91E-10
Overall asthma	FNIP2	rs150430651	C	T	0.215	0.039	0.015	3.45E-08	0.002	0.043	0.960	0.001	30.433	TRUE	1.19E-07
Overall asthma	FNIP2	rs17037731	G	T	0.268	0.021	0.037	3.81E-37	-0.014	0.023	0.560	0.005	162.155	TRUE	1.27E-33
Overall asthma	FNIP2	rs35747642	G	T	-0.242	0.008	0.372	7.74E-193	0.034	0.010	6.20E-04	0.027	877.418	TRUE	6.94E-166
Overall asthma	FNIP2	rs6536350	G	A	-0.096	0.011	0.174	9.48E-20	0.011	0.013	0.370	0.003	82.710	TRUE	1.55E-17
Overall asthma	FNIP2	rs6818858	A	G	0.132	0.016	0.070	4.24E-17	-0.039	0.019	0.047	0.002	70.660	TRUE	4.89E-14
Overall asthma	FNIP2	rs72695488	A	T	0.149	0.012	0.137	6.10E-37	-0.002	0.013	0.860	0.005	161.217	TRUE	4.84E-34
Overall asthma	FNIP2	rs7435789	T	C	-0.064	0.010	0.211	8.24E-11	-0.004	0.011	0.740	0.001	42.198	TRUE	7.42E-10
Overall asthma	FNIP2	rs76327892	T	C	0.133	0.021	0.040	1.02E-10	-0.019	0.024	0.440	0.001	41.781	TRUE	1.88E-09
Overall asthma	FNIP2	rs76610881	G	A	0.111	0.014	0.094	9.22E-16	-0.011	0.015	0.490	0.002	64.587	TRUE	4.83E-14
Overall asthma	FNIP2	rs7665744	G	A	-0.055	0.010	0.197	3.79E-08	0.006	0.012	0.630	0.001	30.250	TRUE	2.45E-07
Overall asthma	FNIP2	rs7671903	A	G	0.084	0.008	0.444	8.79E-26	0.008	0.010	0.400	0.003	110.210	TRUE	5.45E-23
Overall asthma	FNIP2	rs77143685	G	T	-0.172	0.022	0.035	7.90E-15	0.059	0.028	0.033	0.002	60.357	TRUE	4.93E-12
Overall asthma	FNIP2	rs77229150	A	C	-0.116	0.018	0.052	2.28E-10	-0.001	0.018	0.980	0.001	40.208	TRUE	1.09E-09
Overall asthma	FNIP2	rs78126162	C	T	-0.156	0.020	0.044	4.61E-15	0.029	0.021	0.170	0.002	61.415	TRUE	7.55E-13
Overall asthma	FNIP2	rs78665148	C	A	-0.137	0.023	0.034	1.32E-09	0.056	0.025	0.027	0.001	36.784	TRUE	1.67E-07
Overall asthma	FOXK1	rs10246759	T	C	-0.051	0.009	0.440	1.14E-08	0.006	0.010	0.550	0.001	32.586	TRUE	9.71E-08
Overall asthma	FOXK1	rs10262715	A	G	0.329	0.009	0.396	6.55E-281	-0.026	0.010	0.009	0.039	1282.603	TRUE	1.99E-246
Overall asthma	FOXK1	rs112342053	T	C	0.217	0.030	0.031	2.52E-13	0.008	0.023	0.710	0.002	53.547	TRUE	3.77E-12
Overall asthma	FOXK1	rs117071851	T	C	0.207	0.033	0.027	5.58E-10	-0.036	0.023	0.120	0.001	38.460	TRUE	2.92E-08
Overall asthma	FOXK1	rs118191124	T	G	0.272	0.030	0.027	1.63E-19	0.006	0.030	0.850	0.003	81.640	TRUE	5.48E-18
Overall asthma	FOXK1	rs12701878	A	G	-0.247	0.033	0.025	4.45E-14	0.046	0.024	0.050	0.002	56.956	TRUE	1.52E-11
Overall asthma	FOXK1	rs28658109	C	T	-0.118	0.012	0.169	2.65E-23	0.014	0.013	0.280	0.003	98.896	TRUE	1.72E-20

Overall asthma	FOXK1	rs2969497	C	T	0.071	0.013	0.142	1.70E-08	0.001	0.014	0.920	0.001	31.810	TRUE	6.59E-08
Overall asthma	FOXK1	rs57319005	T	C	-0.222	0.018	0.082	1.09E-33	0.018	0.019	0.340	0.005	146.343	TRUE	5.16E-30
Overall asthma	FOXK1	rs62453197	G	A	-0.108	0.016	0.090	2.29E-11	0.011	0.016	0.480	0.001	44.702	TRUE	4.12E-10
Overall asthma	FOXK1	rs6975499	G	A	0.175	0.011	0.233	7.18E-57	-0.019	0.011	0.090	0.008	252.545	TRUE	1.22E-49
Overall asthma	FOXK1	rs73044587	T	C	0.147	0.022	0.053	3.47E-11	-0.013	0.019	0.490	0.001	43.890	TRUE	5.95E-10
Overall asthma	FOXK1	rs74766197	T	G	0.183	0.019	0.072	8.61E-23	0.003	0.018	0.860	0.003	96.564	TRUE	4.99E-21
Overall asthma	FOXK1	rs76666907	A	G	-0.133	0.017	0.084	2.54E-14	0.004	0.015	0.820	0.002	58.061	TRUE	3.58E-13
Overall asthma	FOXK1	rs76747878	T	C	-0.175	0.032	0.027	3.38E-08	0.000	0.038	0.990	0.001	30.475	TRUE	1.09E-07
Overall asthma	FOXK1	rs80033128	C	T	0.195	0.028	0.032	3.32E-12	-0.019	0.022	0.370	0.002	48.486	TRUE	9.89E-11
Overall asthma	FOXO1	rs2324597	G	A	-0.050	0.009	0.294	1.62E-08	-0.007	0.011	0.520	0.001	31.898	TRUE	1.35E-07
Overall asthma	FOXO1	rs61963554	T	G	0.063	0.010	0.179	2.44E-09	0.002	0.012	0.900	0.001	35.584	TRUE	1.14E-08
Overall asthma	FOXO1	rs77526211	A	G	-0.175	0.020	0.043	7.63E-18	-0.035	0.028	0.200	0.002	74.041	TRUE	1.97E-15
Overall asthma	FOXO1	rs9532563	C	T	0.066	0.009	0.229	3.03E-12	0.006	0.012	0.600	0.002	48.667	TRUE	4.79E-11
Overall asthma	FOXO1	rs9549200	T	C	-0.085	0.008	0.386	2.55E-25	-0.020	0.010	0.050	0.003	108.099	TRUE	2.98E-21
Overall asthma	GALNS	rs11076696	T	G	0.058	0.010	0.314	3.60E-09	0.017	0.010	0.100	0.001	34.827	TRUE	1.78E-07
Overall asthma	GALNS	rs11076726	T	G	-0.378	0.010	0.280	0.00E+00	-0.023	0.011	0.033	0.044	1460.284	TRUE	5.41E-283
Overall asthma	GALNS	rs11640595	T	C	-0.313	0.031	0.028	2.81E-24	-0.074	0.026	0.004	0.003	103.345	TRUE	2.01E-19
Overall asthma	GALNS	rs11642017	C	T	0.101	0.017	0.097	3.31E-09	0.008	0.014	0.580	0.001	34.992	TRUE	3.00E-08
Overall asthma	GALNS	rs116724909	A	G	0.205	0.037	0.026	2.62E-08	-0.015	0.032	0.650	0.001	30.972	TRUE	1.69E-07
Overall asthma	GALNS	rs11862139	C	T	0.080	0.010	0.457	1.47E-15	0.016	0.010	0.092	0.002	63.673	TRUE	4.70E-13
Overall asthma	GALNS	rs12597751	T	G	-0.087	0.010	0.317	2.18E-18	-0.022	0.010	0.032	0.002	76.516	TRUE	5.14E-15
Overall asthma	GALNS	rs140355859	T	C	-0.299	0.020	0.057	1.33E-48	-0.067	0.021	0.001	0.007	214.639	TRUE	6.17E-40
Overall asthma	GALNS	rs148491338	A	G	0.168	0.023	0.049	2.38E-13	-0.002	0.023	0.940	0.002	53.661	TRUE	2.06E-12
Overall asthma	GALNS	rs2242170	C	T	-0.064	0.010	0.413	7.50E-10	-0.012	0.010	0.220	0.001	37.884	TRUE	2.18E-08
Overall asthma	GALNS	rs2306050	T	C	-0.115	0.011	0.225	5.21E-25	-0.010	0.012	0.400	0.003	106.682	TRUE	2.54E-22
Overall asthma	GALNS	rs2636950	C	T	0.081	0.010	0.360	3.96E-17	0.024	0.010	0.013	0.002	70.791	TRUE	1.10E-13
Overall asthma	GALNS	rs2932690	G	A	0.065	0.010	0.333	2.29E-11	0.003	0.010	0.800	0.001	44.700	TRUE	1.92E-10
Overall asthma	GALNS	rs34278797	A	G	-0.418	0.034	0.026	2.16E-35	0.048	0.029	0.100	0.005	154.132	TRUE	1.39E-30
Overall asthma	GALNS	rs34432737	A	G	0.055	0.010	0.321	3.06E-08	0.037	0.011	5.50E-04	0.001	30.670	TRUE	9.80E-06
Overall asthma	GALNS	rs35640737	C	A	-0.322	0.039	0.019	9.02E-17	0.015	0.032	0.640	0.002	69.168	TRUE	3.34E-15
Overall asthma	GALNS	rs507540	A	G	0.165	0.010	0.352	3.82E-65	-0.001	0.010	0.950	0.009	290.506	TRUE	3.21E-60
Overall asthma	GALNS	rs555812	G	T	0.120	0.012	0.200	5.21E-23	0.015	0.012	0.210	0.003	97.561	TRUE	4.88E-20
Overall asthma	GALNS	rs564705	A	G	0.179	0.013	0.183	8.83E-46	0.026	0.012	0.028	0.006	201.700	TRUE	4.70E-39
Overall asthma	GALNS	rs56866896	C	T	0.075	0.009	0.262	3.05E-16	0.008	0.010	0.450	0.002	66.764	TRUE	2.01E-14
Overall asthma	GALNS	rs6500522	C	G	-0.102	0.010	0.223	1.15E-22	-0.035	0.011	0.002	0.003	95.990	TRUE	1.06E-17
Overall asthma	GALNS	rs7192878	A	G	-0.064	0.010	0.183	5.07E-10	-0.020	0.012	0.086	0.001	38.647	TRUE	3.14E-08
Overall asthma	GALNS	rs7205379	G	A	-0.156	0.011	0.213	3.05E-44	-0.024	0.012	0.043	0.006	194.652	TRUE	6.01E-38
Overall asthma	GALNS	rs7350860	T	C	0.067	0.012	0.235	1.74E-08	0.010	0.011	0.350	0.001	31.765	TRUE	2.23E-07
Overall asthma	GALNS	rs7498845	T	C	0.054	0.010	0.330	2.43E-08	0.023	0.010	0.021	0.001	31.112	TRUE	2.06E-06
Overall asthma	GALNS	rs77206885	G	A	-0.136	0.018	0.069	4.47E-14	0.022	0.019	0.240	0.002	56.947	TRUE	3.65E-12
Overall asthma	GALNS	rs78408219	A	T	-0.135	0.016	0.089	1.46E-16	0.004	0.017	0.840	0.002	68.216	TRUE	2.95E-15
Overall asthma	GALNS	rs8044701	G	A	0.058	0.009	0.235	6.57E-10	0.003	0.011	0.820	0.001	38.141	TRUE	4.09E-09

Overall asthma	GALNS	rs8050636	T	C	0.159	0.013	0.156	2.91E-32	0.020	0.013	0.120	0.004	139.817	TRUE	5.97E-28
Overall asthma	GALNS	rs9932581	T	C	-0.070	0.011	0.376	4.35E-11	-0.013	0.010	0.180	0.001	43.449	TRUE	2.06E-09
Overall asthma	GGA3	rs8079345	C	G	-0.091	0.011	0.143	1.51E-15	-0.029	0.014	0.042	0.002	63.619	TRUE	1.11E-12
Overall asthma	GPX4	rs10405108	A	G	-0.139	0.020	0.073	2.26E-12	-0.007	0.019	0.730	0.002	49.243	TRUE	2.73E-11
Overall asthma	GPX4	rs10426326	T	C	0.237	0.012	0.286	5.12E-92	-0.011	0.011	0.350	0.013	413.903	TRUE	8.87E-83
Overall asthma	GPX4	rs10426888	G	A	-0.175	0.017	0.087	5.70E-26	0.011	0.015	0.450	0.003	111.067	TRUE	2.73E-23
Overall asthma	GPX4	rs1046040	A	G	0.505	0.011	0.221	0.00E+00	-0.014	0.011	0.230	0.067	2287.468	TRUE	0.00E+00
Overall asthma	GPX4	rs111442456	A	G	-0.279	0.036	0.026	1.48E-14	-0.023	0.026	0.390	0.002	59.123	TRUE	7.99E-13
Overall asthma	GPX4	rs112660967	A	G	-0.329	0.040	0.023	1.39E-16	-0.062	0.031	0.046	0.002	68.312	TRUE	1.23E-13
Overall asthma	GPX4	rs113125042	C	T	0.557	0.030	0.031	1.60E-76	-0.006	0.026	0.810	0.011	342.740	TRUE	2.49E-70
Overall asthma	GPX4	rs113447269	A	G	-0.744	0.074	0.016	1.21E-23	0.002	0.040	0.960	0.003	100.454	TRUE	6.01E-22
Overall asthma	GPX4	rs113675022	G	T	-0.211	0.020	0.064	3.59E-27	0.012	0.019	0.520	0.004	116.550	TRUE	1.67E-24
Overall asthma	GPX4	rs117326647	A	G	0.517	0.026	0.042	6.47E-85	-0.029	0.024	0.220	0.012	381.278	TRUE	6.90E-76
Overall asthma	GPX4	rs117778730	G	T	0.387	0.071	0.013	4.71E-08	0.002	0.039	0.970	0.001	29.829	TRUE	1.55E-07
Overall asthma	GPX4	rs117800971	A	G	0.295	0.048	0.016	1.15E-09	-0.017	0.037	0.650	0.001	37.045	TRUE	9.79E-09
Overall asthma	GPX4	rs118187422	C	T	0.212	0.036	0.025	3.59E-09	-0.031	0.027	0.250	0.001	34.834	TRUE	7.84E-08
Overall asthma	GPX4	rs12462842	C	T	0.375	0.009	0.506	0.00E+00	-0.012	0.010	0.200	0.053	1766.488	TRUE	0.00E+00
Overall asthma	GPX4	rs12609746	C	T	-0.108	0.013	0.242	3.12E-17	-0.019	0.012	0.110	0.002	71.260	TRUE	1.40E-14
Overall asthma	GPX4	rs139828837	A	C	0.504	0.043	0.026	2.86E-31	-0.048	0.038	0.200	0.004	135.277	TRUE	2.03E-27
Overall asthma	GPX4	rs142694557	A	C	0.239	0.014	0.157	5.02E-67	-0.010	0.013	0.440	0.009	299.141	TRUE	1.39E-60
Overall asthma	GPX4	rs143871291	G	A	-0.203	0.033	0.026	4.89E-10	0.002	0.034	0.960	0.001	38.719	TRUE	2.28E-09
Overall asthma	GPX4	rs145225604	A	G	0.422	0.057	0.017	9.95E-14	0.024	0.060	0.700	0.002	55.374	TRUE	1.74E-12
Overall asthma	GPX4	rs147125514	A	G	-0.365	0.022	0.049	3.94E-62	-0.018	0.019	0.350	0.009	276.678	TRUE	8.74E-56
Overall asthma	GPX4	rs149445950	G	A	-0.241	0.031	0.039	1.88E-14	0.006	0.022	0.780	0.002	58.653	TRUE	2.96E-13
Overall asthma	GPX4	rs1610096	A	G	0.073	0.009	0.491	5.03E-15	-0.009	0.010	0.370	0.002	61.245	TRUE	3.16E-13
Overall asthma	GPX4	rs17526264	T	A	-0.790	0.019	0.065	0.00E+00	0.029	0.021	0.180	0.050	1681.542	TRUE	0.00E+00
Overall asthma	GPX4	rs2074443	G	A	-0.187	0.017	0.096	1.28E-27	-0.013	0.017	0.440	0.004	118.602	TRUE	9.47E-25
Overall asthma	GPX4	rs2079619	T	C	-0.198	0.027	0.043	2.02E-13	-0.008	0.024	0.720	0.002	53.978	TRUE	3.02E-12
Overall asthma	GPX4	rs2269847	G	C	-0.339	0.023	0.043	3.36E-49	0.029	0.028	0.290	0.007	217.373	TRUE	6.49E-44
Overall asthma	GPX4	rs2384941	T	G	-0.274	0.045	0.019	7.69E-10	-0.021	0.036	0.570	0.001	37.835	TRUE	8.26E-09
Overall asthma	GPX4	rs349314	T	G	0.172	0.028	0.032	1.03E-09	0.024	0.026	0.350	0.001	37.271	TRUE	1.83E-08
Overall asthma	GPX4	rs35190713	T	C	-0.108	0.014	0.166	7.70E-15	0.040	0.013	0.002	0.002	60.407	TRUE	2.96E-11
Overall asthma	GPX4	rs35576999	A	G	0.183	0.015	0.132	7.54E-35	0.007	0.014	0.630	0.005	151.644	TRUE	1.02E-31
Overall asthma	GPX4	rs3752229	G	A	-0.132	0.022	0.057	9.39E-10	0.034	0.022	0.120	0.001	37.445	TRUE	4.44E-08
Overall asthma	GPX4	rs3764642	G	A	-0.096	0.009	0.497	1.91E-24	0.001	0.010	0.890	0.003	104.107	TRUE	1.36E-22
Overall asthma	GPX4	rs4147938	G	A	-0.131	0.010	0.300	2.90E-38	0.025	0.011	0.019	0.005	167.271	TRUE	2.85E-32
Overall asthma	GPX4	rs41563717	T	C	0.412	0.035	0.025	2.13E-31	-0.037	0.025	0.140	0.004	135.859	TRUE	2.97E-27
Overall asthma	GPX4	rs45533236	A	G	-0.199	0.014	0.164	2.50E-45	0.030	0.013	0.019	0.006	199.626	TRUE	1.94E-38
Overall asthma	GPX4	rs4807004	A	G	0.120	0.013	0.176	2.87E-21	-0.004	0.013	0.740	0.003	89.622	TRUE	1.84E-19
Overall asthma	GPX4	rs4807455	A	G	-0.070	0.011	0.260	7.82E-10	0.039	0.011	4.10E-04	0.001	37.803	TRUE	7.06E-07
Overall asthma	GPX4	rs4921	A	C	-0.348	0.042	0.017	7.01E-17	0.100	0.030	8.50E-04	0.002	69.665	TRUE	9.92E-13
Overall asthma	GPX4	rs62131227	A	G	0.518	0.060	0.015	8.31E-18	0.046	0.036	0.210	0.002	73.873	TRUE	2.26E-15

Overall asthma	GPX4	rs7252771	A	G	-0.115	0.012	0.277	9.61E-23	-0.015	0.011	0.190	0.003	96.347	TRUE	1.12E-19
Overall asthma	GPX4	rs7253254	C	A	0.104	0.012	0.225	3.61E-17	-0.022	0.012	0.054	0.002	70.974	TRUE	2.70E-14
Overall asthma	GPX4	rs80265802	G	A	-0.253	0.040	0.022	1.83E-10	0.058	0.028	0.038	0.001	40.636	TRUE	2.46E-08
Overall asthma	GPX4	rs8113403	A	G	-0.207	0.013	0.206	2.84E-61	-0.010	0.011	0.360	0.009	272.743	TRUE	4.46E-55
Overall asthma	GPX4	rs886990	A	G	0.121	0.010	0.337	1.16E-34	-0.021	0.010	0.042	0.005	150.792	TRUE	2.44E-29
Overall asthma	GPX4	rs892225	G	A	-0.178	0.010	0.336	8.09E-72	0.023	0.010	0.018	0.010	321.141	TRUE	7.47E-62
Overall asthma	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	-0.052	0.023	0.025	0.003	100.450	TRUE	1.67E-19
Overall asthma	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	-0.015	0.023	0.520	0.002	59.231	TRUE	4.80E-13
Overall asthma	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	0.006	0.014	0.670	0.003	80.015	TRUE	2.02E-17
Overall asthma	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	-0.001	0.024	0.980	0.004	136.489	TRUE	2.84E-29
Overall asthma	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	-0.020	0.022	0.370	0.009	296.275	TRUE	9.86E-60
Overall asthma	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	-0.005	0.030	0.870	0.013	406.342	TRUE	3.47E-83
Overall asthma	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	0.023	0.029	0.430	0.015	467.091	TRUE	9.06E-94
Overall asthma	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	-0.050	0.018	0.005	0.023	740.366	TRUE	1.04E-141
Overall asthma	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	0.060	0.033	0.070	0.003	99.048	TRUE	1.04E-19
Overall asthma	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	0.022	0.033	0.510	0.001	34.973	TRUE	3.54E-08
Overall asthma	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	-0.030	0.027	0.260	0.016	507.390	TRUE	6.18E-101
Overall asthma	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	-0.022	0.032	0.480	0.005	156.475	TRUE	2.22E-32
Overall asthma	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	-0.018	0.023	0.450	0.009	283.165	TRUE	2.24E-57
Overall asthma	GSDMB	rs11871317	G	C	-0.325	0.010	0.243	8.62E-230	-0.040	0.011	2.00E-04	0.032	1047.407	TRUE	8.20E-198
Overall asthma	GSDMB	rs12449642	T	A	-0.411	0.010	0.202	0.00E+00	-0.009	0.012	0.470	0.053	1778.099	TRUE	0.00E+00
Overall asthma	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	0.070	0.012	3.00E-09	0.092	3205.686	TRUE	0.00E+00
Overall asthma	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	-0.030	0.010	0.002	0.005	167.364	TRUE	3.75E-31
Overall asthma	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	-0.043	0.010	1.60E-05	0.031	1019.370	TRUE	7.44E-190
Overall asthma	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	-0.016	0.014	0.260	0.003	87.204	TRUE	4.05E-18
Overall asthma	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	-0.036	0.035	0.300	0.016	503.835	TRUE	1.92E-100
Overall asthma	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	0.079	0.027	0.003	0.007	222.293	TRUE	8.31E-42
Overall asthma	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	0.029	0.034	0.400	0.001	33.205	TRUE	1.06E-07
Overall asthma	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	0.058	0.047	0.220	0.001	33.754	TRUE	1.45E-07
Overall asthma	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	0.022	0.020	0.280	0.011	352.288	TRUE	2.08E-70
Overall asthma	GSDMB	rs142899349	C	T	-1.043	0.058	0.019	6.68E-72	-0.073	0.070	0.300	0.010	321.522	TRUE	1.85E-64
Overall asthma	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	0.063	0.040	0.120	0.002	47.640	TRUE	5.05E-10
Overall asthma	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	-0.052	0.039	0.180	0.002	59.413	TRUE	1.69E-12
Overall asthma	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	0.018	0.033	0.580	0.007	214.750	TRUE	3.37E-44
Overall asthma	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	0.012	0.032	0.710	0.001	37.506	TRUE	6.89E-09
Overall asthma	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	0.028	0.035	0.420	0.002	55.410	TRUE	3.70E-12
Overall asthma	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	-0.001	0.013	0.960	0.005	145.706	TRUE	4.18E-31
Overall asthma	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	-0.053	0.028	0.058	0.011	352.652	TRUE	7.81E-69
Overall asthma	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	-0.005	0.033	0.890	0.002	76.968	TRUE	4.27E-17
Overall asthma	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	0.053	0.040	0.180	0.003	95.228	TRUE	1.68E-19
Overall asthma	GSDMB	rs150260796	G	A	0.337	0.023	0.039	1.07E-47	0.140	0.035	4.10E-05	0.007	210.474	TRUE	6.59E-38
Overall asthma	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	-0.029	0.044	0.510	0.001	45.430	TRUE	2.80E-10

Overall asthma	GSDMB	rs150916518	T	C	-0.851	0.066	0.035	5.41E-38	0.240	0.290	0.410	0.005	166.033	TRUE	4.44E-34
Overall asthma	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	0.001	0.017	0.980	0.001	35.981	TRUE	8.12E-09
Overall asthma	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	-0.022	0.042	0.610	0.001	36.499	TRUE	1.40E-08
Overall asthma	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	0.012	0.013	0.370	0.003	106.322	TRUE	3.96E-22
Overall asthma	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	0.010	0.010	0.300	0.004	130.155	TRUE	1.05E-26
Overall asthma	GSDMB	rs1733805	G	T	-0.084	0.012	0.119	5.13E-12	0.006	0.014	0.670	0.002	47.634	TRUE	6.62E-11
Overall asthma	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	0.010	0.037	0.790	0.001	42.138	TRUE	6.55E-10
Overall asthma	GSDMB	rs186413878	C	T	-0.794	0.096	0.021	1.85E-16	0.034	0.074	0.650	0.002	67.752	TRUE	6.31E-15
Overall asthma	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	-0.055	0.037	0.140	0.002	67.752	TRUE	5.48E-14
Overall asthma	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	-0.033	0.019	0.083	0.003	98.282	TRUE	1.19E-19
Overall asthma	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	0.027	0.011	0.011	0.003	105.802	TRUE	2.61E-20
Overall asthma	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	-0.009	0.014	0.520	0.007	222.121	TRUE	1.66E-45
Overall asthma	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	0.066	0.024	0.007	0.006	179.383	TRUE	6.57E-34
Overall asthma	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	0.039	0.011	4.20E-04	0.048	1598.167	TRUE	4.19E-303
Overall asthma	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	0.019	0.015	0.180	0.002	50.240	TRUE	9.19E-11
Overall asthma	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	0.046	0.024	0.057	0.019	624.369	TRUE	1.04E-121
Overall asthma	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	-0.052	0.011	5.90E-06	0.168	6416.153	TRUE	0.00E+00
Overall asthma	GSDMB	rs4420582	A	C	-0.195	0.026	0.029	3.46E-14	-0.050	0.028	0.078	0.002	57.449	TRUE	9.61E-12
Overall asthma	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	-0.011	0.020	0.580	0.004	121.191	TRUE	1.57E-25
Overall asthma	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	-0.015	0.010	0.140	0.005	165.347	TRUE	5.52E-33
Overall asthma	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	-0.043	0.041	0.300	0.002	52.472	TRUE	2.25E-11
Overall asthma	GSDMB	rs506728	C	G	-0.122	0.010	0.200	7.12E-35	-0.026	0.012	0.023	0.005	151.758	TRUE	1.95E-29
Overall asthma	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	-0.016	0.013	0.230	0.005	167.025	TRUE	1.07E-33
Overall asthma	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	-0.026	0.024	0.280	0.003	91.090	TRUE	6.04E-19
Overall asthma	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	0.078	0.038	0.043	0.002	72.620	TRUE	2.07E-14
Overall asthma	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	-0.050	0.028	0.077	0.002	51.211	TRUE	1.50E-10
Overall asthma	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	-0.002	0.023	0.930	0.003	107.555	TRUE	2.42E-23
Overall asthma	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	-0.010	0.015	0.480	0.002	59.440	TRUE	4.49E-13
Overall asthma	GSDMB	rs7214466	C	T	0.144	0.010	0.279	3.90E-49	0.015	0.011	0.160	0.007	217.078	TRUE	2.55E-43
Overall asthma	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	0.011	0.030	0.720	0.002	67.584	TRUE	5.59E-15
Overall asthma	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	-0.033	0.021	0.110	0.006	190.987	TRUE	6.91E-38
Overall asthma	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	-0.001	0.020	0.960	0.001	34.801	TRUE	1.47E-08
Overall asthma	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	-0.049	0.029	0.096	0.006	185.558	TRUE	1.19E-36
Overall asthma	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	-0.070	0.046	0.130	0.002	71.753	TRUE	9.88E-15
Overall asthma	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	-0.057	0.010	3.60E-08	0.060	2016.058	TRUE	0.00E+00
Overall asthma	GSDMB	rs72832924	T	C	0.451	0.010	0.170	0.00E+00	0.030	0.012	0.016	0.056	1893.225	TRUE	0.00E+00
Overall asthma	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	0.035	0.027	0.200	0.003	90.712	TRUE	1.20E-18
Overall asthma	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	0.018	0.017	0.300	0.026	839.055	TRUE	3.08E-166
Overall asthma	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	0.034	0.034	0.310	0.003	97.751	TRUE	2.39E-20
Overall asthma	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	-0.039	0.022	0.079	0.010	324.865	TRUE	1.16E-63
Overall asthma	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	0.036	0.035	0.290	0.001	37.320	TRUE	2.12E-08
Overall asthma	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	0.008	0.041	0.850	0.003	98.761	TRUE	1.87E-21

Overall asthma	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	-0.010	0.018	0.590	0.001	33.061	TRUE	7.14E-08
Overall asthma	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	-0.019	0.015	0.210	0.002	53.670	TRUE	1.96E-11
Overall asthma	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	0.041	0.042	0.330	0.001	34.662	TRUE	6.55E-08
Overall asthma	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	-0.034	0.035	0.320	0.004	129.419	TRUE	1.23E-26
Overall asthma	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	-0.039	0.034	0.260	0.007	215.754	TRUE	2.06E-43
Overall asthma	GSDMB	rs75905358	C	G	0.299	0.010	0.210	3.78E-209	0.043	0.011	1.40E-04	0.029	952.447	TRUE	9.18E-179
Overall asthma	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	0.019	0.045	0.670	0.001	37.710	TRUE	6.76E-09
Overall asthma	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	-0.008	0.032	0.810	0.017	536.325	TRUE	6.65E-109
Overall asthma	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	-0.023	0.013	0.088	0.002	65.062	TRUE	3.22E-13
Overall asthma	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	-0.032	0.016	0.048	0.002	72.603	TRUE	1.87E-14
Overall asthma	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	-0.100	0.033	0.002	0.001	30.652	TRUE	6.48E-06
Overall asthma	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	-0.049	0.020	0.015	0.013	411.836	TRUE	4.02E-79
Overall asthma	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	-0.001	0.028	0.980	0.003	81.876	TRUE	3.26E-18
Overall asthma	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	0.028	0.023	0.220	0.019	624.240	TRUE	1.27E-123
Overall asthma	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	0.020	0.010	0.047	0.005	154.490	TRUE	3.48E-30
Overall asthma	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	-0.029	0.010	0.003	0.003	81.045	TRUE	3.99E-15
Overall asthma	GSDMB	rs8071312	A	G	-0.170	0.025	0.031	6.03E-12	0.000	0.023	0.990	0.001	47.318	TRUE	3.69E-11
Overall asthma	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	0.007	0.010	0.480	0.001	31.239	TRUE	2.14E-07
Overall asthma	GSDMD	rs11136294	T	C	0.109	0.018	0.065	2.56E-09	0.015	0.017	0.370	0.001	35.493	TRUE	3.88E-08
Overall asthma	GSDMD	rs111397184	T	C	-0.370	0.042	0.017	2.36E-18	0.013	0.044	0.760	0.002	76.358	TRUE	8.11E-17
Overall asthma	GSDMD	rs112484283	C	A	0.301	0.024	0.041	3.17E-36	0.038	0.024	0.110	0.005	157.945	TRUE	2.01E-31
Overall asthma	GSDMD	rs116692788	T	C	0.150	0.014	0.129	2.32E-27	0.009	0.014	0.530	0.004	117.415	TRUE	1.07E-24
Overall asthma	GSDMD	rs116886343	A	G	0.287	0.044	0.018	1.18E-10	-0.032	0.040	0.430	0.001	41.494	TRUE	2.18E-09
Overall asthma	GSDMD	rs117382317	A	G	-0.576	0.089	0.015	8.05E-11	-0.130	0.044	0.003	0.001	42.242	TRUE	4.84E-08
Overall asthma	GSDMD	rs117390404	C	A	-0.183	0.025	0.042	7.42E-14	-0.011	0.020	0.580	0.002	55.950	TRUE	1.78E-12
Overall asthma	GSDMD	rs11774034	A	G	-0.079	0.011	0.207	7.78E-13	-0.002	0.012	0.850	0.002	51.334	TRUE	7.69E-12
Overall asthma	GSDMD	rs11775979	T	C	-0.096	0.015	0.135	1.65E-10	-0.021	0.014	0.150	0.001	40.840	TRUE	9.15E-09
Overall asthma	GSDMD	rs11784217	T	C	-0.252	0.031	0.026	6.65E-16	-0.064	0.027	0.018	0.002	65.231	TRUE	9.87E-13
Overall asthma	GSDMD	rs117920286	T	C	-0.381	0.029	0.028	1.84E-39	-0.088	0.031	0.004	0.005	172.753	TRUE	1.59E-32
Overall asthma	GSDMD	rs11986259	A	G	0.141	0.011	0.233	2.81E-40	-0.017	0.011	0.140	0.006	176.495	TRUE	4.27E-35
Overall asthma	GSDMD	rs12544706	C	G	0.133	0.011	0.231	1.91E-34	0.014	0.011	0.200	0.005	149.799	TRUE	2.96E-30
Overall asthma	GSDMD	rs13252211	C	G	0.091	0.013	0.163	1.24E-11	0.002	0.012	0.890	0.001	45.901	TRUE	9.00E-11
Overall asthma	GSDMD	rs13256702	C	A	0.250	0.030	0.033	4.84E-17	0.009	0.024	0.700	0.002	70.394	TRUE	1.57E-15
Overall asthma	GSDMD	rs141293113	T	C	-0.852	0.131	0.011	7.88E-11	-0.025	0.062	0.690	0.001	42.284	TRUE	7.75E-10
Overall asthma	GSDMD	rs141914327	A	G	0.120	0.019	0.075	5.90E-10	-0.003	0.017	0.880	0.001	38.354	TRUE	3.22E-09
Overall asthma	GSDMD	rs1545536	T	C	0.182	0.011	0.204	3.69E-57	0.003	0.011	0.800	0.008	253.872	TRUE	1.76E-52
Overall asthma	GSDMD	rs181605667	G	A	-0.344	0.057	0.023	1.81E-09	0.074	0.045	0.100	0.001	36.168	TRUE	9.07E-08
Overall asthma	GSDMD	rs28540888	A	C	-0.067	0.008	0.380	4.32E-16	-0.007	0.010	0.470	0.002	66.080	TRUE	2.34E-14
Overall asthma	GSDMD	rs383439	G	C	-0.208	0.009	0.332	2.34E-107	-0.007	0.010	0.490	0.015	484.385	TRUE	2.04E-97
Overall asthma	GSDMD	rs3889129	T	C	-0.289	0.009	0.384	8.82E-217	-0.022	0.010	0.031	0.030	987.555	TRUE	2.48E-191
Overall asthma	GSDMD	rs4333616	C	G	0.132	0.010	0.257	5.06E-37	0.015	0.011	0.160	0.005	161.591	TRUE	1.93E-32
Overall asthma	GSDMD	rs4403422	A	G	-0.079	0.010	0.476	2.22E-16	-0.021	0.010	0.034	0.002	67.397	TRUE	2.25E-13

Overall asthma	GSDMD	rs4977132	A	G	-0.096	0.017	0.064	2.29E-08	0.067	0.024	0.004	0.001	31.226	TRUE	3.76E-06
Overall asthma	GSDMD	rs62524163	A	G	0.133	0.020	0.073	4.83E-11	0.013	0.016	0.420	0.001	43.241	TRUE	9.98E-10
Overall asthma	GSDMD	rs6990605	G	A	0.098	0.010	0.265	7.97E-24	-0.009	0.010	0.360	0.003	101.278	TRUE	4.01E-21
Overall asthma	GSDMD	rs7010520	T	C	-0.107	0.014	0.144	5.69E-15	-0.005	0.015	0.720	0.002	61.002	TRUE	1.14E-13
Overall asthma	GSDMD	rs744650	A	G	-0.358	0.031	0.028	6.07E-31	0.012	0.033	0.710	0.004	133.782	TRUE	2.75E-28
Overall asthma	GSDMD	rs77372006	T	C	0.582	0.080	0.020	4.52E-13	0.057	0.043	0.190	0.002	52.400	TRUE	3.87E-11
Overall asthma	GSDMD	rs7813939	A	G	0.081	0.012	0.194	1.33E-11	-0.006	0.012	0.600	0.001	45.762	TRUE	1.90E-10
Overall asthma	GSDMD	rs7843457	T	C	-0.082	0.011	0.187	1.51E-14	-0.025	0.012	0.038	0.002	59.081	TRUE	8.22E-12
Overall asthma	HGSNAT	rs6987323	G	C	0.123	0.022	0.036	1.69E-08	-0.005	0.025	0.860	0.001	31.823	TRUE	7.39E-08
Overall asthma	HGSNAT	rs6999489	T	G	0.153	0.016	0.067	1.63E-21	-0.039	0.019	0.039	0.003	90.751	TRUE	7.17E-18
Overall asthma	HGSNAT	rs7827019	T	C	-0.097	0.016	0.066	1.58E-09	0.024	0.021	0.260	0.001	36.436	TRUE	3.77E-08
Overall asthma	HGSNAT	rs78924236	G	A	-0.195	0.027	0.024	6.10E-13	-0.067	0.041	0.098	0.002	51.811	TRUE	8.80E-11
Overall asthma	ICAM1	rs10420549	C	T	-0.056	0.009	0.456	6.00E-10	-0.012	0.010	0.200	0.001	38.319	TRUE	1.90E-08
Overall asthma	ICAM1	rs118115488	T	C	0.123	0.017	0.058	4.98E-13	-0.022	0.018	0.220	0.002	52.209	TRUE	3.49E-11
Overall asthma	ICAM1	rs12720354	A	T	0.118	0.015	0.078	2.55E-15	-0.013	0.018	0.480	0.002	62.587	TRUE	1.18E-13
Overall asthma	ICAM1	rs12974306	G	T	0.062	0.009	0.497	4.54E-13	0.009	0.010	0.340	0.002	52.391	TRUE	1.98E-11
Overall asthma	ICAM1	rs141453190	T	C	-0.156	0.028	0.026	2.44E-08	0.041	0.027	0.130	0.001	31.110	TRUE	7.10E-07
Overall asthma	ICAM1	rs280497	G	A	0.070	0.008	0.514	1.70E-18	-0.010	0.010	0.320	0.002	77.010	TRUE	3.03E-16
Overall asthma	ICAM1	rs281437	T	C	0.182	0.010	0.243	2.88E-74	-0.022	0.010	0.032	0.010	332.384	TRUE	2.84E-64
Overall asthma	ICAM1	rs281440	G	A	-0.088	0.011	0.238	1.33E-16	0.016	0.011	0.170	0.002	68.399	TRUE	3.84E-14
Overall asthma	ICAM1	rs35193259	G	A	-0.102	0.011	0.189	6.85E-21	0.007	0.012	0.560	0.003	87.904	TRUE	7.68E-19
Overall asthma	ICAM1	rs5030397	T	G	0.167	0.029	0.028	1.14E-08	-0.012	0.027	0.660	0.001	32.586	TRUE	7.67E-08
Overall asthma	IDUA	rs112453299	G	A	0.211	0.034	0.043	5.82E-10	-0.003	0.020	0.880	0.001	38.378	TRUE	3.20E-09
Overall asthma	IDUA	rs11724804	A	G	0.289	0.012	0.423	2.05E-130	0.033	0.010	4.80E-04	0.018	590.361	TRUE	4.82E-111
Overall asthma	IDUA	rs140633095	A	G	-0.172	0.028	0.064	1.20E-09	-0.019	0.019	0.310	0.001	36.959	TRUE	2.38E-08
Overall asthma	IDUA	rs142943203	T	C	-0.739	0.104	0.015	9.53E-13	0.018	0.048	0.710	0.002	50.936	TRUE	1.31E-11
Overall asthma	IDUA	rs151010222	T	C	0.287	0.051	0.016	1.37E-08	0.070	0.037	0.063	0.001	32.233	TRUE	7.29E-07
Overall asthma	IDUA	rs17165046	T	C	0.160	0.024	0.067	1.38E-11	0.000	0.019	0.980	0.001	45.695	TRUE	8.02E-11
Overall asthma	IDUA	rs28569895	T	A	0.094	0.015	0.192	6.75E-10	0.016	0.012	0.190	0.001	38.089	TRUE	2.40E-08
Overall asthma	IDUA	rs35670600	T	C	0.308	0.033	0.033	1.69E-20	0.011	0.024	0.650	0.003	86.113	TRUE	1.30E-18
Overall asthma	IDUA	rs3806759	A	G	0.221	0.026	0.077	1.53E-17	0.030	0.016	0.064	0.002	72.674	TRUE	1.39E-14
Overall asthma	IDUA	rs4690336	T	C	-0.254	0.016	0.166	3.51E-58	-0.008	0.013	0.520	0.008	258.556	TRUE	9.61E-53
Overall asthma	IDUA	rs62294519	C	T	-0.182	0.019	0.142	1.67E-21	-0.038	0.015	0.013	0.003	90.694	TRUE	2.26E-17
Overall asthma	IDUA	rs6837180	A	G	0.079	0.013	0.433	3.80E-09	-0.002	0.010	0.850	0.001	34.723	TRUE	1.90E-08
Overall asthma	IDUA	rs73221138	T	C	-0.253	0.030	0.058	1.63E-17	0.015	0.017	0.370	0.002	72.545	TRUE	1.74E-15
Overall asthma	IDUA	rs76638961	C	A	0.383	0.026	0.053	1.62E-48	0.009	0.021	0.680	0.007	214.245	TRUE	2.49E-44
Overall asthma	IDUA	rs79565855	A	G	0.127	0.021	0.086	1.49E-09	-0.005	0.017	0.760	0.001	36.540	TRUE	9.79E-09
Overall asthma	IDUA	rs899387	T	C	-0.094	0.013	0.351	2.88E-13	0.014	0.010	0.170	0.002	53.284	TRUE	2.99E-11
Overall asthma	IFNG	rs10161291	T	G	0.080	0.009	0.282	1.36E-19	0.026	0.011	0.013	0.003	81.991	TRUE	6.75E-16
Overall asthma	IFNG	rs10878687	A	T	0.052	0.009	0.234	4.59E-08	0.034	0.011	0.002	0.001	29.880	TRUE	9.59E-06
Overall asthma	IFNG	rs10878698	A	G	0.080	0.013	0.101	1.80E-09	0.017	0.015	0.260	0.001	36.180	TRUE	4.17E-08
Overall asthma	IFNG	rs2870960	C	T	-0.092	0.009	0.325	5.29E-27	-0.038	0.010	2.30E-04	0.004	115.779	TRUE	1.10E-20

Overall asthma	IFNG	rs34528337	G	C	0.223	0.041	0.027	4.91E-08	0.041	0.028	0.140	0.001	29.749	TRUE	1.21E-06
Overall asthma	IL4	rs17690923	C	T	0.052	0.010	0.265	4.15E-08	-0.018	0.011	0.098	0.001	30.075	TRUE	1.32E-06
Overall asthma	IL4	rs2070874	T	C	-0.171	0.011	0.181	2.61E-56	0.053	0.014	1.80E-04	0.008	249.972	TRUE	1.25E-45
Overall asthma	IL4	rs2243300	T	G	0.110	0.015	0.073	8.31E-13	0.059	0.018	0.001	0.002	51.205	TRUE	1.96E-09
Overall asthma	INF2	rs11160817	T	C	0.258	0.009	0.414	1.89E-171	0.020	0.010	0.036	0.024	779.048	TRUE	2.30E-151
Overall asthma	INF2	rs118098425	A	G	-0.552	0.066	0.013	6.98E-17	-0.078	0.036	0.030	0.002	69.675	TRUE	9.51E-14
Overall asthma	INF2	rs12895059	C	T	0.174	0.013	0.146	1.96E-39	-0.007	0.013	0.570	0.005	172.632	TRUE	8.64E-36
Overall asthma	INF2	rs149738861	G	A	-0.333	0.045	0.014	1.20E-13	0.003	0.045	0.950	0.002	55.008	TRUE	1.07E-12
Overall asthma	INF2	rs150521726	A	G	-0.209	0.035	0.018	2.72E-09	0.001	0.038	0.980	0.001	35.374	TRUE	1.07E-08
Overall asthma	INF2	rs186910371	G	A	0.218	0.038	0.026	1.21E-08	-0.007	0.031	0.810	0.001	32.470	TRUE	5.91E-08
Overall asthma	INF2	rs2498787	T	C	0.086	0.015	0.128	6.06E-09	0.001	0.017	0.940	0.001	33.814	TRUE	2.43E-08
Overall asthma	INF2	rs35914118	G	C	0.082	0.010	0.310	3.76E-16	0.027	0.011	0.016	0.002	66.353	TRUE	7.18E-13
Overall asthma	INF2	rs3730358	A	G	-0.326	0.014	0.144	4.12E-123	-0.010	0.013	0.460	0.017	556.791	TRUE	1.35E-111
Overall asthma	INF2	rs4072285	A	G	-0.585	0.013	0.165	0.00E+00	-0.036	0.013	0.004	0.058	1964.967	TRUE	0.00E+00
Overall asthma	INF2	rs41307094	A	G	-0.422	0.055	0.015	1.95E-14	-0.007	0.040	0.870	0.002	58.583	TRUE	2.46E-13
Overall asthma	INF2	rs5015594	G	A	-0.133	0.011	0.263	7.95E-37	-0.009	0.011	0.410	0.005	160.692	TRUE	4.79E-33
Overall asthma	INF2	rs55980800	A	C	0.217	0.031	0.024	5.01E-12	-0.021	0.026	0.420	0.002	47.682	TRUE	1.29E-10
Overall asthma	INF2	rs59346268	T	C	0.233	0.017	0.096	2.69E-41	0.036	0.017	0.031	0.006	181.161	TRUE	3.64E-35
Overall asthma	INF2	rs61999503	A	G	-0.152	0.027	0.041	1.84E-08	-0.029	0.021	0.170	0.001	31.650	TRUE	4.61E-07
Overall asthma	INF2	rs73345596	T	C	0.088	0.015	0.137	2.68E-09	0.007	0.014	0.610	0.001	35.402	TRUE	2.22E-08
Overall asthma	INF2	rs76372141	T	C	-0.687	0.035	0.026	7.86E-87	-0.100	0.036	0.004	0.012	390.078	TRUE	3.27E-74
Overall asthma	ING5	rs10933538	A	G	-0.123	0.009	0.339	2.32E-40	-0.029	0.010	0.004	0.006	176.874	TRUE	3.22E-33
Overall asthma	ING5	rs111543205	A	G	0.292	0.024	0.137	2.14E-34	-0.110	0.013	6.10E-16	0.005	149.574	TRUE	2.59E-21
Overall asthma	ING5	rs113344275	T	C	-0.287	0.034	0.027	7.30E-17	0.047	0.024	0.048	0.002	69.585	TRUE	6.45E-14
Overall asthma	ING5	rs138344891	G	A	0.439	0.059	0.015	1.32E-13	0.020	0.047	0.680	0.002	54.822	TRUE	2.36E-12
Overall asthma	ING5	rs138516336	T	C	0.358	0.046	0.017	5.51E-15	0.082	0.034	0.014	0.002	61.067	TRUE	6.46E-12
Overall asthma	ING5	rs138807997	G	A	-0.237	0.030	0.035	6.04E-15	0.043	0.023	0.068	0.002	60.886	TRUE	2.48E-12
Overall asthma	ING5	rs139371963	T	C	0.391	0.037	0.020	2.18E-26	-0.120	0.043	0.005	0.004	112.973	TRUE	2.73E-21
Overall asthma	ING5	rs139762431	G	A	0.243	0.034	0.021	7.19E-13	-0.035	0.033	0.290	0.002	51.489	TRUE	3.60E-11
Overall asthma	ING5	rs139768259	A	G	0.373	0.048	0.017	7.52E-15	0.015	0.035	0.670	0.002	60.453	TRUE	1.74E-13
Overall asthma	ING5	rs140579879	C	T	-0.195	0.035	0.032	2.10E-08	0.018	0.024	0.440	0.001	31.399	TRUE	2.09E-07
Overall asthma	ING5	rs143880669	C	T	-0.478	0.045	0.017	6.22E-26	-0.021	0.030	0.480	0.003	110.895	TRUE	2.70E-23
Overall asthma	ING5	rs145604257	T	C	-0.441	0.042	0.019	4.95E-26	0.067	0.038	0.078	0.004	111.346	TRUE	3.80E-22
Overall asthma	ING5	rs150499816	T	C	-0.436	0.024	0.042	1.19E-73	0.038	0.021	0.076	0.010	329.547	TRUE	1.68E-64
Overall asthma	ING5	rs151090828	A	C	0.190	0.030	0.029	1.51E-10	-0.008	0.029	0.780	0.001	41.014	TRUE	1.15E-09
Overall asthma	ING5	rs17440466	C	T	-0.076	0.013	0.130	7.63E-09	0.040	0.013	0.002	0.001	33.365	TRUE	2.26E-06
Overall asthma	ING5	rs34038381	G	A	0.151	0.026	0.036	1.25E-08	0.014	0.024	0.570	0.001	32.413	TRUE	1.02E-07
Overall asthma	ING5	rs35392728	G	T	-0.083	0.012	0.277	5.86E-12	0.028	0.011	0.010	0.001	47.373	TRUE	2.91E-09
Overall asthma	ING5	rs35602166	C	T	0.287	0.048	0.015	2.10E-09	-0.097	0.050	0.053	0.001	35.873	TRUE	1.60E-07
Overall asthma	ING5	rs4129022	T	C	-0.089	0.016	0.086	2.59E-08	0.002	0.016	0.900	0.001	30.992	TRUE	1.01E-07
Overall asthma	ING5	rs4992233	C	T	-0.133	0.020	0.101	4.88E-11	0.027	0.014	0.060	0.001	43.222	TRUE	6.37E-09
Overall asthma	ING5	rs55729724	G	A	-0.102	0.011	0.215	4.24E-21	-0.010	0.011	0.360	0.003	88.856	TRUE	1.09E-18

Overall asthma	ING5	rs62187414	T	C	0.060	0.009	0.309	2.09E-10	-0.025	0.010	0.017	0.001	40.376	TRUE	5.32E-08
Overall asthma	ING5	rs62191180	A	G	0.154	0.014	0.180	2.24E-26	-0.044	0.012	3.60E-04	0.004	112.922	TRUE	2.62E-20
Overall asthma	ING5	rs62191280	C	G	0.148	0.014	0.139	6.99E-25	-0.047	0.013	4.80E-04	0.003	106.099	TRUE	4.11E-19
Overall asthma	ING5	rs6714449	A	G	-0.127	0.010	0.288	2.44E-38	0.042	0.011	6.40E-05	0.005	167.619	TRUE	3.27E-30
Overall asthma	ING5	rs6757704	T	C	-0.394	0.009	0.361	0.00E+00	0.029	0.010	0.003	0.053	1790.259	TRUE	0.00E+00
Overall asthma	ING5	rs73006350	A	G	0.249	0.032	0.025	6.49E-15	-0.005	0.029	0.880	0.002	60.743	TRUE	8.71E-14
Overall asthma	ING5	rs7370843	A	G	-0.135	0.019	0.312	1.67E-12	0.048	0.010	1.70E-06	0.002	49.841	TRUE	3.85E-08
Overall asthma	ING5	rs7424328	C	T	-0.101	0.013	0.487	5.30E-14	0.012	0.010	0.240	0.002	56.613	TRUE	4.60E-12
Overall asthma	ING5	rs74562536	T	C	0.260	0.011	0.225	1.09E-119	-0.005	0.011	0.640	0.017	541.064	TRUE	3.37E-109
Overall asthma	ING5	rs749264	A	C	-0.089	0.011	0.218	2.77E-17	0.007	0.011	0.520	0.002	71.497	TRUE	1.75E-15
Overall asthma	ING5	rs7566006	C	G	0.091	0.011	0.200	8.11E-17	-0.018	0.012	0.130	0.002	69.378	TRUE	2.73E-14
Overall asthma	ING5	rs7588758	T	G	0.091	0.011	0.185	9.92E-16	0.021	0.012	0.099	0.002	64.442	TRUE	4.08E-13
Overall asthma	ING5	rs7593690	G	A	-0.097	0.010	0.279	2.95E-21	0.006	0.011	0.570	0.003	89.574	TRUE	3.39E-19
Overall asthma	ING5	rs76562852	A	G	-0.493	0.071	0.044	3.47E-12	0.100	0.064	0.120	0.002	48.402	TRUE	3.52E-10
Overall asthma	ING5	rs77487769	G	T	0.422	0.038	0.047	6.77E-29	-0.059	0.021	0.005	0.004	124.426	TRUE	2.01E-23
Overall asthma	ING5	rs79355916	A	G	-0.168	0.011	0.210	4.41E-55	0.015	0.011	0.190	0.008	244.342	TRUE	1.14E-48
Overall asthma	ING5	rs79903057	T	C	-0.397	0.037	0.022	5.59E-27	0.010	0.027	0.720	0.004	115.671	TRUE	1.17E-24
Overall asthma	ING5	rs80129469	T	C	-0.480	0.052	0.014	5.75E-20	0.034	0.034	0.320	0.003	83.699	TRUE	1.42E-17
Overall asthma	IRF1	rs11741255	A	G	0.080	0.008	0.384	1.62E-22	-0.060	0.010	7.60E-10	0.003	95.310	TRUE	1.14E-14
Overall asthma	IRF1	rs2548994	T	C	0.046	0.008	0.348	4.12E-08	-0.023	0.010	0.025	0.001	30.090	TRUE	3.19E-06
Overall asthma	IRF1	rs78686200	T	C	0.111	0.015	0.079	2.26E-13	-0.007	0.018	0.700	0.002	53.763	TRUE	3.52E-12
Overall asthma	ITGAV	rs10174098	G	A	0.197	0.008	0.342	5.12E-124	0.022	0.010	0.033	0.017	560.951	TRUE	1.28E-108
Overall asthma	ITGAV	rs111777706	C	T	0.147	0.019	0.050	1.08E-14	0.035	0.024	0.140	0.002	59.743	TRUE	1.86E-12
Overall asthma	ITGAV	rs11678064	A	G	0.108	0.012	0.121	9.81E-19	0.035	0.014	0.015	0.002	78.091	TRUE	4.94E-15
Overall asthma	ITGAV	rs137944923	A	C	-0.149	0.023	0.033	1.27E-10	-0.020	0.029	0.500	0.001	41.358	TRUE	1.93E-09
Overall asthma	ITGAV	rs17826666	T	C	0.081	0.014	0.092	4.56E-09	-0.041	0.016	0.012	0.001	34.366	TRUE	7.42E-07
Overall asthma	ITGAV	rs2595391	G	T	0.197	0.013	0.097	1.21E-48	-0.014	0.015	0.350	0.007	214.825	TRUE	1.41E-43
Overall asthma	ITGAV	rs3100035	A	G	-0.050	0.009	0.284	1.76E-08	0.019	0.011	0.077	0.001	31.738	TRUE	7.20E-07
Overall asthma	ITGAV	rs3795865	G	A	-0.105	0.008	0.342	4.02E-36	-0.007	0.010	0.500	0.005	157.473	TRUE	1.36E-32
Overall asthma	ITGAV	rs55970512	T	A	0.102	0.009	0.398	4.09E-31	-0.003	0.011	0.800	0.004	134.565	TRUE	1.34E-28
Overall asthma	ITGAV	rs61538288	C	G	0.102	0.016	0.064	3.87E-10	0.061	0.022	0.005	0.001	39.173	TRUE	1.33E-07
Overall asthma	ITGAV	rs62200577	C	T	0.201	0.032	0.018	4.07E-10	-0.014	0.031	0.650	0.001	39.078	TRUE	3.75E-09
Overall asthma	ITGAV	rs6709584	T	A	-0.054	0.008	0.376	1.14E-10	0.000	0.010	0.990	0.001	41.566	TRUE	5.54E-10
Overall asthma	ITGAV	rs72895351	G	A	0.171	0.017	0.057	7.13E-23	0.034	0.019	0.079	0.003	96.938	TRUE	2.46E-19
Overall asthma	ITGAV	rs72895361	A	G	0.085	0.012	0.132	1.08E-12	-0.004	0.015	0.820	0.002	50.691	TRUE	1.12E-11
Overall asthma	ITGAV	rs7562545	A	C	-0.129	0.016	0.081	1.95E-16	0.015	0.016	0.340	0.002	67.650	TRUE	1.83E-14
Overall asthma	ITGAV	rs77380982	T	C	0.199	0.027	0.023	1.84E-13	-0.045	0.032	0.160	0.002	54.160	TRUE	2.04E-11
Overall asthma	ITM2C	rs11555189	A	G	-0.063	0.011	0.211	2.06E-09	-0.003	0.011	0.780	0.001	35.912	TRUE	1.25E-08
Overall asthma	ITM2C	rs116469226	C	T	-0.334	0.028	0.023	7.00E-33	0.000	0.033	0.990	0.004	142.645	TRUE	1.54E-30
Overall asthma	ITM2C	rs142232562	C	A	0.385	0.023	0.036	4.53E-65	0.007	0.028	0.800	0.009	290.166	TRUE	9.05E-60
Overall asthma	ITM2C	rs146982055	G	A	0.229	0.032	0.022	7.24E-13	0.005	0.031	0.870	0.002	51.475	TRUE	6.92E-12
Overall asthma	ITM2C	rs149429607	T	C	-0.219	0.031	0.022	3.05E-12	0.006	0.042	0.900	0.002	48.650	TRUE	2.42E-11

Overall asthma	ITM2C	rs16827319	A	G	0.080	0.014	0.090	7.91E-09	0.007	0.016	0.660	0.001	33.295	TRUE	5.61E-08
Overall asthma	ITM2C	rs2466154	A	G	0.083	0.009	0.236	7.94E-19	0.016	0.011	0.170	0.002	78.509	TRUE	4.16E-16
Overall asthma	ITM2C	rs3111750	T	C	0.132	0.016	0.064	4.83E-16	-0.011	0.018	0.560	0.002	65.862	TRUE	2.08E-14
Overall asthma	ITM2C	rs3111784	G	A	-0.117	0.012	0.121	2.19E-21	0.006	0.015	0.670	0.003	90.163	TRUE	1.79E-19
Overall asthma	ITM2C	rs35873092	A	G	0.193	0.018	0.057	1.51E-25	0.027	0.018	0.140	0.003	109.133	TRUE	5.10E-22
Overall asthma	ITM2C	rs60237566	G	T	0.210	0.010	0.220	1.41E-106	-0.004	0.011	0.710	0.015	480.798	TRUE	1.72E-97
Overall asthma	ITM2C	rs62195260	A	G	-0.197	0.027	0.024	3.97E-13	0.010	0.029	0.720	0.002	52.655	TRUE	5.54E-12
Overall asthma	ITM2C	rs72993135	A	G	-0.069	0.011	0.146	1.35E-09	0.001	0.014	0.940	0.001	36.738	TRUE	6.13E-09
Overall asthma	ITM2C	rs73992967	A	G	-0.099	0.015	0.075	6.80E-11	-0.013	0.018	0.470	0.001	42.573	TRUE	1.16E-09
Overall asthma	ITM2C	rs7564278	G	T	-0.103	0.013	0.109	9.50E-16	0.008	0.015	0.600	0.002	64.528	TRUE	3.10E-14
Overall asthma	ITM2C	rs77159514	G	A	-0.157	0.022	0.037	9.58E-13	0.038	0.026	0.150	0.002	50.925	TRUE	9.58E-11
Overall asthma	ITM2C	rs77402756	C	A	0.152	0.023	0.034	2.18E-11	0.022	0.027	0.420	0.001	44.796	TRUE	4.91E-10
Overall asthma	ITM2C	rs934822	A	G	-0.140	0.009	0.236	1.02E-50	0.007	0.011	0.560	0.007	224.325	TRUE	4.96E-46
Overall asthma	ITM2C	rs9808500	T	C	-0.355	0.011	0.149	3.37E-228	0.029	0.014	0.037	0.032	1040.082	TRUE	5.94E-202
Overall asthma	IVNS1ABP	rs111796551	G	A	0.216	0.027	0.023	1.04E-15	-0.028	0.034	0.400	0.002	64.342	TRUE	6.51E-14
Overall asthma	IVNS1ABP	rs112070019	A	G	0.240	0.030	0.024	5.75E-16	0.055	0.032	0.086	0.002	65.519	TRUE	2.38E-13
Overall asthma	IVNS1ABP	rs1200609	C	A	-0.308	0.052	0.012	2.64E-09	-0.072	0.046	0.120	0.001	35.429	TRUE	1.12E-07
Overall asthma	IVNS1ABP	rs12137767	G	T	0.263	0.028	0.024	7.42E-21	-0.009	0.028	0.750	0.003	87.746	TRUE	4.36E-19
Overall asthma	IVNS1ABP	rs12737579	G	A	-0.076	0.009	0.231	1.42E-15	-0.012	0.011	0.260	0.002	63.740	TRUE	1.48E-13
Overall asthma	IVNS1ABP	rs144819361	A	G	0.223	0.036	0.020	4.19E-10	-0.012	0.032	0.710	0.001	39.020	TRUE	3.39E-09
Overall asthma	IVNS1ABP	rs150350158	A	G	-0.367	0.064	0.017	9.25E-09	-0.039	0.045	0.380	0.001	32.991	TRUE	1.19E-07
Overall asthma	IVNS1ABP	rs2295212	T	C	-0.117	0.008	0.398	4.46E-47	0.019	0.010	0.056	0.007	207.641	TRUE	1.58E-40
Overall asthma	IVNS1ABP	rs232299	A	C	-0.171	0.025	0.027	9.97E-12	0.061	0.026	0.020	0.001	46.332	TRUE	3.27E-09
Overall asthma	IVNS1ABP	rs34357474	C	T	0.117	0.020	0.046	3.17E-09	0.019	0.020	0.330	0.001	35.075	TRUE	5.21E-08
Overall asthma	IVNS1ABP	rs3843265	A	G	0.153	0.017	0.072	3.62E-20	-0.002	0.017	0.890	0.003	84.613	TRUE	1.19E-18
Overall asthma	IVNS1ABP	rs4651272	A	G	0.217	0.009	0.240	9.42E-122	0.035	0.011	0.002	0.017	550.542	TRUE	4.43E-104
Overall asthma	IVNS1ABP	rs55888604	C	T	-0.107	0.017	0.060	3.26E-10	-0.012	0.019	0.520	0.001	39.509	TRUE	4.11E-09
Overall asthma	IVNS1ABP	rs61825503	G	A	0.092	0.013	0.099	6.71E-12	-0.015	0.016	0.370	0.001	47.109	TRUE	2.11E-10
Overall asthma	IVNS1ABP	rs61829581	T	C	0.159	0.026	0.028	6.39E-10	0.011	0.027	0.680	0.001	38.195	TRUE	5.26E-09
Overall asthma	IVNS1ABP	rs6677347	T	C	0.108	0.018	0.063	6.27E-10	0.011	0.018	0.520	0.001	38.232	TRUE	7.19E-09
Overall asthma	IVNS1ABP	rs6693836	G	A	-0.151	0.008	0.346	1.13E-73	-0.006	0.010	0.530	0.010	329.657	TRUE	6.69E-67
Overall asthma	IVNS1ABP	rs72707469	T	C	0.068	0.009	0.278	2.30E-14	0.008	0.011	0.470	0.002	58.256	TRUE	8.41E-13
Overall asthma	IVNS1ABP	rs72726098	T	C	-0.177	0.017	0.056	2.74E-24	-0.002	0.021	0.910	0.003	103.390	TRUE	1.79E-22
Overall asthma	IVNS1ABP	rs7520683	C	G	-0.125	0.010	0.182	5.92E-34	0.013	0.013	0.310	0.005	147.550	TRUE	3.51E-30
Overall asthma	KAT8	rs1060506	T	C	0.245	0.009	0.322	2.14E-152	0.024	0.011	0.024	0.021	691.426	TRUE	5.39E-134
Overall asthma	KAT8	rs11574947	T	C	-0.074	0.012	0.195	5.57E-10	0.017	0.012	0.160	0.001	38.465	TRUE	2.31E-08
Overall asthma	KAT8	rs142366936	A	G	0.230	0.042	0.019	3.99E-08	-0.064	0.035	0.066	0.001	30.151	TRUE	1.66E-06
Overall asthma	KAT8	rs147208188	A	G	0.257	0.030	0.024	3.00E-17	0.061	0.031	0.052	0.002	71.341	TRUE	3.04E-14
Overall asthma	KAT8	rs148603263	C	T	0.225	0.028	0.028	1.70E-15	0.024	0.030	0.430	0.002	63.377	TRUE	9.65E-14
Overall asthma	KAT8	rs2884737	C	A	-0.137	0.011	0.241	6.39E-34	-0.026	0.011	0.015	0.005	147.400	TRUE	2.43E-28
Overall asthma	KAT8	rs3764322	G	A	0.065	0.010	0.273	2.01E-10	0.016	0.011	0.160	0.001	40.450	TRUE	1.01E-08
Overall asthma	KAT8	rs55742763	G	A	0.066	0.009	0.494	6.77E-14	-0.015	0.010	0.110	0.002	56.130	TRUE	1.17E-11

Overall asthma	KAT8	rs72800845	A	G	-0.069	0.011	0.225	8.24E-11	-0.004	0.011	0.700	0.001	42.198	TRUE	7.78E-10
Overall asthma	KAT8	rs74792333	T	C	0.261	0.025	0.044	3.91E-25	0.009	0.021	0.680	0.003	107.247	TRUE	6.67E-23
Overall asthma	KAT8	rs79411291	G	A	0.143	0.026	0.034	2.13E-08	0.032	0.021	0.130	0.001	31.367	TRUE	6.38E-07
Overall asthma	LAMP3	rs11543123	A	C	-0.087	0.010	0.191	8.10E-17	0.003	0.012	0.770	0.002	69.382	TRUE	2.03E-15
Overall asthma	LAMP3	rs147503040	A	G	-0.170	0.026	0.031	7.38E-11	0.013	0.029	0.650	0.001	42.414	TRUE	7.88E-10
Overall asthma	LAMP3	rs17215158	A	G	0.053	0.009	0.309	1.09E-09	0.005	0.010	0.650	0.001	37.149	TRUE	9.48E-09
Overall asthma	LAMP3	rs35532510	T	G	-0.115	0.013	0.116	4.70E-20	0.017	0.015	0.250	0.003	84.094	TRUE	1.62E-17
Overall asthma	LAMP3	rs500288	G	A	-0.186	0.017	0.059	1.56E-26	0.026	0.018	0.170	0.004	113.632	TRUE	5.83E-23
Overall asthma	LAMP3	rs66602530	C	T	0.077	0.010	0.217	2.21E-15	-0.006	0.012	0.600	0.002	62.862	TRUE	6.72E-14
Overall asthma	LAMP3	rs73178986	A	G	-0.079	0.013	0.111	1.87E-09	-0.006	0.015	0.710	0.001	36.101	TRUE	1.34E-08
Overall asthma	LAMP3	rs7433755	A	G	0.142	0.017	0.063	1.38E-16	-0.027	0.019	0.150	0.002	68.332	TRUE	3.69E-14
Overall asthma	LAMP3	rs7619012	C	T	0.179	0.013	0.108	6.62E-44	-0.032	0.015	0.042	0.006	193.109	TRUE	1.90E-37
Overall asthma	LAMP3	rs77037932	T	C	0.122	0.021	0.037	1.43E-08	-0.020	0.028	0.490	0.001	32.138	TRUE	1.41E-07
Overall asthma	LAPTM4A	rs10206623	A	C	0.091	0.016	0.071	6.39E-09	0.000	0.018	0.990	0.001	33.710	TRUE	2.35E-08
Overall asthma	LAPTM4A	rs12465719	A	T	-0.077	0.008	0.371	3.46E-20	0.024	0.010	0.015	0.003	84.701	TRUE	2.38E-16
Overall asthma	LAPTM4A	rs35030383	A	G	-0.055	0.008	0.368	4.07E-11	0.009	0.010	0.390	0.001	43.578	TRUE	9.40E-10
Overall asthma	LEP	rs73458923	T	C	0.062	0.011	0.148	3.25E-08	-0.009	0.013	0.480	0.001	30.552	TRUE	2.94E-07
Overall asthma	LEP	rs76303215	A	G	0.131	0.023	0.034	1.86E-08	-0.026	0.024	0.290	0.001	31.634	TRUE	3.04E-07
Overall asthma	LEP	rs791601	T	G	0.072	0.008	0.403	1.49E-18	-0.004	0.010	0.650	0.002	77.270	TRUE	7.63E-17
Overall asthma	MANBA	rs139225366	C	T	0.282	0.037	0.019	3.72E-14	-0.057	0.033	0.088	0.002	57.310	TRUE	9.15E-12
Overall asthma	MANBA	rs141190853	T	C	-0.149	0.018	0.066	2.61E-17	0.007	0.019	0.720	0.002	71.615	TRUE	8.26E-16
Overall asthma	MANBA	rs17033239	C	A	-0.114	0.015	0.088	6.22E-14	0.015	0.017	0.370	0.002	56.298	TRUE	2.89E-12
Overall asthma	MANBA	rs223364	T	C	0.243	0.009	0.342	7.60E-167	-0.025	0.010	0.012	0.023	757.872	TRUE	6.35E-146
Overall asthma	MANBA	rs28444377	C	A	0.118	0.010	0.222	5.90E-35	-0.002	0.011	0.850	0.005	152.132	TRUE	3.42E-32
Overall asthma	MANBA	rs28545534	A	G	-0.199	0.036	0.021	2.62E-08	-0.017	0.033	0.600	0.001	30.972	TRUE	1.81E-07
Overall asthma	MANBA	rs34711817	A	G	0.150	0.014	0.083	2.54E-25	0.002	0.018	0.910	0.003	108.102	TRUE	2.01E-23
Overall asthma	MANBA	rs3733209	C	T	0.179	0.021	0.039	3.34E-18	0.008	0.025	0.750	0.002	75.672	TRUE	1.18E-16
Overall asthma	MANBA	rs72668651	A	T	0.134	0.018	0.054	2.24E-14	0.011	0.021	0.600	0.002	58.308	TRUE	5.69E-13
Overall asthma	MANBA	rs7674640	C	T	-0.109	0.008	0.501	8.51E-43	0.025	0.010	0.008	0.006	188.028	TRUE	9.06E-36
Overall asthma	MAP1LC3B	rs10221075	T	G	-0.338	0.061	0.019	3.13E-08	0.058	0.048	0.230	0.001	30.625	TRUE	5.72E-07
Overall asthma	MAP1LC3B	rs116740819	C	T	-0.370	0.042	0.021	1.51E-18	0.001	0.033	0.970	0.002	77.234	TRUE	3.01E-17
Overall asthma	MAP1LC3B	rs117653735	G	T	0.195	0.032	0.040	7.28E-10	-0.047	0.027	0.082	0.001	37.941	TRUE	4.80E-08
Overall asthma	MAP1LC3B	rs12051223	A	G	-0.201	0.022	0.114	3.88E-20	0.024	0.016	0.120	0.003	84.477	TRUE	3.19E-17
Overall asthma	MAP1LC3B	rs12918379	T	C	-0.073	0.013	0.296	1.95E-08	0.004	0.011	0.710	0.001	31.538	TRUE	1.08E-07
Overall asthma	MAP1LC3B	rs141055621	A	G	0.355	0.060	0.015	4.25E-09	0.030	0.040	0.450	0.001	34.504	TRUE	5.00E-08
Overall asthma	MAP1LC3B	rs147509274	A	C	-0.652	0.066	0.013	3.35E-23	-0.021	0.038	0.580	0.003	98.432	TRUE	5.59E-21
Overall asthma	MAP1LC3B	rs2277850	G	A	0.137	0.012	0.394	5.37E-30	-0.005	0.010	0.580	0.004	129.455	TRUE	3.54E-27
Overall asthma	MAP1LC3B	rs28449447	A	G	-0.101	0.014	0.352	5.14E-13	0.010	0.011	0.320	0.002	52.147	TRUE	2.02E-11
Overall asthma	MAP1LC3B	rs28607955	G	A	-0.799	0.026	0.053	2.59E-208	-0.012	0.021	0.560	0.029	948.607	TRUE	2.27E-189
Overall asthma	MAP1LC3B	rs35674809	A	G	-0.280	0.031	0.053	1.09E-19	0.037	0.019	0.051	0.003	82.434	TRUE	2.20E-16
Overall asthma	MAP1LC3B	rs4359440	A	G	-0.201	0.017	0.139	5.55E-32	0.003	0.014	0.810	0.004	138.534	TRUE	2.12E-29
Overall asthma	MAP1LC3B	rs4843580	C	G	-0.094	0.014	0.230	2.03E-11	0.009	0.012	0.440	0.001	44.938	TRUE	4.11E-10

Overall asthma	MAP1LC3B	rs4843598	C	A	-0.231	0.025	0.061	9.58E-21	-0.033	0.018	0.063	0.003	87.241	TRUE	2.02E-17
Overall asthma	MAP1LC3B	rs4843667	G	A	-0.079	0.014	0.240	2.02E-08	0.011	0.011	0.330	0.001	31.474	TRUE	2.90E-07
Overall asthma	MAP1LC3B	rs56133944	T	C	0.149	0.025	0.059	4.39E-09	-0.020	0.018	0.260	0.001	34.438	TRUE	8.87E-08
Overall asthma	MAP1LC3B	rs58134308	C	T	-0.097	0.012	0.457	4.79E-16	0.018	0.010	0.061	0.002	65.879	TRUE	2.78E-13
Overall asthma	MAP1LC3B	rs71390902	C	T	-0.158	0.021	0.088	1.82E-13	0.004	0.018	0.840	0.002	54.184	TRUE	2.08E-12
Overall asthma	MAP1LC3B	rs77019223	G	A	0.249	0.026	0.076	2.38E-21	0.028	0.016	0.085	0.003	89.994	TRUE	4.90E-18
Overall asthma	MAP1LC3B	rs77615431	C	T	0.216	0.028	0.071	6.80E-15	-0.019	0.021	0.360	0.002	60.652	TRUE	4.14E-13
Overall asthma	MAP1LC3B	rs77684320	T	G	-0.376	0.054	0.017	2.89E-12	-0.004	0.039	0.920	0.002	48.762	TRUE	2.19E-11
Overall asthma	MAP1LC3B	rs77911937	C	T	-0.243	0.043	0.024	1.14E-08	0.040	0.028	0.150	0.001	32.581	TRUE	3.25E-07
Overall asthma	MAP1LC3B	rs80157344	G	A	-0.552	0.076	0.013	3.35E-13	-0.006	0.047	0.900	0.002	52.989	TRUE	3.08E-12
Overall asthma	MAP1LC3B	rs8051861	A	G	0.101	0.015	0.208	3.01E-11	-0.012	0.012	0.310	0.001	44.170	TRUE	8.97E-10
Overall asthma	MAP1LC3B	rs8059509	T	C	-0.379	0.022	0.078	1.16E-67	0.010	0.018	0.590	0.009	302.059	TRUE	1.45E-61
Overall asthma	MAP1LC3B	rs862225	T	C	0.142	0.023	0.075	4.15E-10	-0.007	0.017	0.660	0.001	39.040	TRUE	3.64E-09
Overall asthma	MTMR3	rs113188978	C	T	0.215	0.029	0.021	7.39E-14	0.033	0.033	0.320	0.002	55.959	TRUE	4.22E-12
Overall asthma	MTMR3	rs116966156	T	C	0.215	0.033	0.018	1.24E-10	0.078	0.031	0.012	0.001	41.399	TRUE	3.53E-08
Overall asthma	MTMR3	rs11704738	C	T	0.044	0.008	0.530	3.92E-08	-0.001	0.010	0.930	0.001	30.186	TRUE	1.39E-07
Overall asthma	MTMR3	rs117462236	A	G	0.257	0.028	0.025	7.87E-20	0.007	0.041	0.860	0.003	83.078	TRUE	2.72E-18
Overall asthma	MTMR3	rs117921880	T	G	0.395	0.062	0.013	2.06E-10	0.045	0.048	0.340	0.001	40.406	TRUE	4.49E-09
Overall asthma	MTMR3	rs12167141	A	T	-0.052	0.009	0.279	8.68E-09	-0.031	0.011	0.004	0.001	33.113	TRUE	1.78E-06
Overall asthma	MTMR3	rs12483807	A	G	0.446	0.011	0.157	0.00E+00	0.025	0.013	0.061	0.052	1753.374	TRUE	0.00E+00
Overall asthma	MTMR3	rs12710565	G	A	-0.167	0.008	0.387	1.40E-93	-0.017	0.010	0.089	0.013	421.079	TRUE	1.76E-82
Overall asthma	MTMR3	rs131257	A	G	-0.093	0.017	0.060	4.24E-08	0.030	0.019	0.120	0.001	30.033	TRUE	1.24E-06
Overall asthma	MTMR3	rs143428765	A	G	0.159	0.020	0.043	9.27E-16	0.010	0.022	0.650	0.002	64.577	TRUE	2.69E-14
Overall asthma	MTMR3	rs144310080	T	C	0.199	0.034	0.018	7.54E-09	0.062	0.049	0.210	0.001	33.388	TRUE	1.79E-07
Overall asthma	MTMR3	rs147405430	C	T	0.445	0.036	0.018	2.26E-35	0.018	0.035	0.620	0.005	154.043	TRUE	3.88E-32
Overall asthma	MTMR3	rs148912779	T	C	0.227	0.030	0.022	1.50E-14	0.010	0.029	0.730	0.002	59.095	TRUE	2.74E-13
Overall asthma	MTMR3	rs150576069	A	G	0.335	0.025	0.028	2.40E-40	-0.010	0.027	0.720	0.006	176.804	TRUE	6.68E-37
Overall asthma	MTMR3	rs174723	G	A	-0.057	0.008	0.409	1.29E-12	-0.015	0.010	0.120	0.002	50.347	TRUE	1.48E-10
Overall asthma	MTMR3	rs2074705	A	C	-0.121	0.021	0.037	1.00E-08	-0.043	0.029	0.130	0.001	32.831	TRUE	3.14E-07
Overall asthma	MTMR3	rs2527341	A	G	0.130	0.014	0.097	7.74E-22	0.012	0.015	0.420	0.003	92.219	TRUE	1.80E-19
Overall asthma	MTMR3	rs2744465	A	G	-0.062	0.008	0.456	4.50E-15	-0.009	0.010	0.360	0.002	61.465	TRUE	2.93E-13
Overall asthma	MTMR3	rs34150968	A	G	0.587	0.075	0.013	6.29E-15	0.085	0.043	0.047	0.002	60.805	TRUE	3.16E-12
Overall asthma	MTMR3	rs4823084	A	G	-0.079	0.009	0.293	1.88E-19	0.008	0.010	0.440	0.003	81.359	TRUE	2.53E-17
Overall asthma	MTMR3	rs5763276	G	A	-0.125	0.010	0.222	6.47E-39	-0.023	0.011	0.038	0.005	170.256	TRUE	4.22E-33
Overall asthma	MTMR3	rs5763914	T	C	-0.167	0.031	0.019	4.57E-08	-0.037	0.035	0.290	0.001	29.888	TRUE	6.46E-07
Overall asthma	MTMR3	rs5763928	G	A	-0.054	0.010	0.220	1.94E-08	-0.015	0.011	0.170	0.001	31.549	TRUE	4.70E-07
Overall asthma	MTMR3	rs7289095	T	C	0.100	0.011	0.172	1.30E-19	0.000	0.012	0.970	0.003	82.090	TRUE	3.03E-18
Overall asthma	MTMR3	rs73159090	C	T	-0.193	0.034	0.020	8.31E-09	0.004	0.032	0.910	0.001	33.198	TRUE	3.46E-08
Overall asthma	MTMR3	rs73162720	G	A	0.427	0.028	0.022	2.69E-51	0.003	0.031	0.910	0.007	226.982	TRUE	2.24E-47
Overall asthma	MTMR3	rs737812	A	C	0.074	0.008	0.322	2.92E-18	0.005	0.010	0.650	0.002	75.936	TRUE	1.43E-16
Overall asthma	MTMR3	rs7410776	T	C	0.093	0.008	0.405	9.14E-31	0.011	0.010	0.250	0.004	132.969	TRUE	3.69E-27
Overall asthma	MTMR3	rs76774084	G	A	-0.104	0.016	0.069	3.34E-11	0.012	0.019	0.530	0.001	43.962	TRUE	5.26E-10

Overall asthma	MTMR3	rs79247733	A	G	0.166	0.013	0.109	7.82E-39	0.063	0.017	1.60E-04	0.005	169.880	TRUE	8.76E-31
Overall asthma	MTMR3	rs79544391	C	T	0.355	0.044	0.021	5.69E-16	0.120	0.057	0.039	0.002	65.538	TRUE	5.12E-13
Overall asthma	MTMR3	rs9608852	T	C	-0.089	0.009	0.279	9.00E-24	-0.010	0.011	0.340	0.003	101.036	TRUE	4.24E-21
Overall asthma	MTMR3	rs9613919	A	G	0.249	0.013	0.104	4.25E-82	0.015	0.017	0.390	0.011	368.344	TRUE	4.86E-74
Overall asthma	MTMR3	rs9614040	G	A	-0.074	0.008	0.365	4.53E-19	-0.004	0.010	0.700	0.003	79.618	TRUE	2.22E-17
Overall asthma	MTMR3	rs9625915	C	A	-0.156	0.010	0.227	7.60E-60	-0.002	0.012	0.900	0.008	266.196	TRUE	3.21E-55
Overall asthma	NDUFS1	rs7570646	G	A	-0.070	0.010	0.397	4.95E-13	-0.023	0.010	0.016	0.002	52.223	TRUE	2.71E-10
Overall asthma	NMT1	rs117225566	C	T	0.150	0.016	0.077	7.55E-20	0.055	0.017	9.50E-04	0.003	83.159	TRUE	2.77E-15
Overall asthma	NMT1	rs138144764	A	G	-0.167	0.013	0.127	7.33E-38	-0.018	0.014	0.220	0.005	165.430	TRUE	2.64E-33
Overall asthma	NMT1	rs142157644	A	G	-0.125	0.022	0.042	2.12E-08	-0.018	0.022	0.400	0.001	31.376	TRUE	2.33E-07
Overall asthma	NMT1	rs3785891	T	C	0.067	0.009	0.357	1.52E-13	0.017	0.010	0.081	0.002	54.547	TRUE	3.05E-11
Overall asthma	NMT1	rs4986169	G	A	-0.084	0.009	0.495	8.02E-19	0.000	0.010	0.970	0.002	78.491	TRUE	1.67E-17
Overall asthma	NMT1	rs78336821	C	T	-0.145	0.025	0.032	5.91E-09	-0.022	0.023	0.350	0.001	33.863	TRUE	9.15E-08
Overall asthma	NMT1	rs79558295	G	A	-0.377	0.067	0.015	1.63E-08	-0.070	0.043	0.098	0.001	31.884	TRUE	5.87E-07
Overall asthma	NMT1	rs8064331	T	C	-0.066	0.010	0.245	5.22E-11	-0.028	0.011	0.011	0.001	43.088	TRUE	1.80E-08
Overall asthma	NMT1	rs894685	G	A	-0.076	0.010	0.253	3.84E-14	-0.013	0.011	0.230	0.002	57.247	TRUE	3.34E-12
Overall asthma	NMT1	rs9893429	C	G	0.124	0.011	0.191	2.41E-29	0.021	0.012	0.097	0.004	126.478	TRUE	4.31E-25
Overall asthma	NR4A2	rs297588	A	G	-0.089	0.009	0.288	3.61E-24	0.035	0.011	9.00E-04	0.003	102.846	TRUE	5.68E-19
Overall asthma	NR4A2	rs298244	C	T	0.070	0.009	0.237	8.74E-14	-0.013	0.011	0.250	0.002	55.627	TRUE	6.94E-12
Overall asthma	ORMDL3	rs1009727	A	G	-0.056	0.009	0.305	1.48E-10	-0.032	0.011	0.003	0.001	41.052	TRUE	7.42E-08
Overall asthma	ORMDL3	rs10305287	C	A	-0.299	0.042	0.016	1.66E-12	0.009	0.037	0.810	0.002	49.852	TRUE	1.69E-11
Overall asthma	ORMDL3	rs10305295	G	T	0.184	0.022	0.038	2.93E-17	-0.015	0.023	0.520	0.002	71.384	TRUE	1.79E-15
Overall asthma	ORMDL3	rs11078892	T	C	0.075	0.010	0.473	5.24E-14	0.009	0.010	0.370	0.002	56.634	TRUE	2.55E-12
Overall asthma	ORMDL3	rs11078916	T	C	0.340	0.009	0.291	0.00E+00	0.053	0.011	7.50E-07	0.048	1587.200	TRUE	1.68E-295
Overall asthma	ORMDL3	rs11079074	T	C	-0.088	0.008	0.440	5.23E-28	0.002	0.010	0.820	0.004	120.368	TRUE	9.42E-26
Overall asthma	ORMDL3	rs112433793	G	A	0.097	0.013	0.135	1.00E-14	0.006	0.014	0.670	0.002	59.888	TRUE	2.26E-13
Overall asthma	ORMDL3	rs113235009	G	T	-0.097	0.015	0.076	1.23E-10	0.010	0.018	0.570	0.001	41.412	TRUE	1.50E-09
Overall asthma	ORMDL3	rs113557550	T	C	0.143	0.019	0.050	1.16E-13	-0.001	0.024	0.980	0.002	55.065	TRUE	9.72E-13
Overall asthma	ORMDL3	rs113930796	C	T	0.428	0.025	0.030	3.00E-64	-0.005	0.030	0.870	0.009	286.397	TRUE	3.35E-59
Overall asthma	ORMDL3	rs11652139	G	A	-0.353	0.008	0.403	0.00E+00	-0.053	0.010	2.80E-08	0.059	1979.006	TRUE	0.00E+00
Overall asthma	ORMDL3	rs11653687	G	T	-0.070	0.012	0.369	2.46E-09	-0.004	0.010	0.690	0.001	35.570	TRUE	1.79E-08
Overall asthma	ORMDL3	rs117270499	G	A	-0.468	0.030	0.024	2.91E-54	-0.042	0.025	0.094	0.008	240.582	TRUE	2.17E-47
Overall asthma	ORMDL3	rs117302117	T	C	-0.192	0.034	0.017	1.72E-08	-0.061	0.032	0.057	0.001	31.783	TRUE	9.04E-07
Overall asthma	ORMDL3	rs117362920	C	A	0.404	0.030	0.023	1.89E-41	0.071	0.023	0.003	0.006	181.860	TRUE	6.78E-34
Overall asthma	ORMDL3	rs117504211	C	A	-0.391	0.017	0.068	6.33E-114	-0.050	0.018	0.005	0.016	514.569	TRUE	3.52E-98
Overall asthma	ORMDL3	rs117620922	G	A	0.278	0.029	0.026	6.60E-22	0.060	0.033	0.070	0.003	92.535	TRUE	1.86E-18
Overall asthma	ORMDL3	rs118017471	A	G	0.492	0.032	0.021	8.81E-53	0.068	0.029	0.017	0.007	233.793	TRUE	5.90E-45
Overall asthma	ORMDL3	rs118034841	T	C	-0.689	0.034	0.021	2.61E-91	-0.030	0.027	0.260	0.013	410.652	TRUE	6.92E-82
Overall asthma	ORMDL3	rs118036166	G	A	0.399	0.034	0.018	1.47E-31	0.075	0.034	0.027	0.004	136.600	TRUE	1.78E-26
Overall asthma	ORMDL3	rs118082529	T	C	0.275	0.050	0.016	4.88E-08	0.056	0.047	0.230	0.001	29.764	TRUE	8.24E-07
Overall asthma	ORMDL3	rs118132312	G	A	-0.417	0.044	0.016	3.41E-21	-0.022	0.032	0.480	0.003	89.286	TRUE	5.24E-19
Overall asthma	ORMDL3	rs11868060	G	A	-0.379	0.029	0.027	1.77E-38	-0.018	0.023	0.450	0.005	168.252	TRUE	1.39E-34

Overall asthma	ORMDL3	rs11871317	G	C	-0.237	0.010	0.243	1.21E-120	-0.040	0.011	2.00E-04	0.017	545.451	TRUE	5.92E-102
Overall asthma	ORMDL3	rs12450388	C	T	-0.064	0.009	0.426	1.81E-13	-0.030	0.010	0.002	0.002	54.193	TRUE	4.12E-10
Overall asthma	ORMDL3	rs12946162	T	C	-0.093	0.012	0.133	9.01E-14	-0.016	0.014	0.260	0.002	55.567	TRUE	6.62E-12
Overall asthma	ORMDL3	rs12946335	T	C	-0.672	0.031	0.019	3.98E-101	-0.036	0.035	0.300	0.014	455.752	TRUE	5.76E-91
Overall asthma	ORMDL3	rs138914307	T	C	0.277	0.044	0.015	2.79E-10	0.040	0.036	0.260	0.001	39.816	TRUE	7.77E-09
Overall asthma	ORMDL3	rs139014900	T	C	-0.233	0.028	0.031	6.44E-17	-0.047	0.029	0.110	0.002	69.832	TRUE	2.87E-14
Overall asthma	ORMDL3	rs142899349	C	T	-1.010	0.058	0.019	2.53E-67	-0.073	0.070	0.300	0.009	300.512	TRUE	2.60E-60
Overall asthma	ORMDL3	rs143669790	A	G	0.481	0.031	0.027	9.23E-54	0.140	0.035	8.70E-05	0.007	238.286	TRUE	4.34E-43
Overall asthma	ORMDL3	rs143700374	T	G	-0.406	0.064	0.013	2.16E-10	-0.052	0.039	0.180	0.001	40.315	TRUE	8.86E-09
Overall asthma	ORMDL3	rs143706978	C	T	0.437	0.038	0.016	1.18E-30	0.018	0.033	0.580	0.004	132.467	TRUE	8.70E-28
Overall asthma	ORMDL3	rs1467258	G	A	-0.177	0.012	0.134	3.53E-50	-0.001	0.013	0.960	0.007	221.859	TRUE	1.90E-46
Overall asthma	ORMDL3	rs146767035	A	G	-0.385	0.028	0.028	2.37E-44	-0.053	0.028	0.058	0.006	195.153	TRUE	3.30E-38
Overall asthma	ORMDL3	rs146890554	T	C	0.354	0.039	0.015	3.09E-19	0.000	0.041	0.990	0.003	80.374	TRUE	6.41E-18
Overall asthma	ORMDL3	rs147879892	T	C	0.255	0.042	0.013	9.91E-10	-0.041	0.034	0.230	0.001	37.339	TRUE	2.76E-08
Overall asthma	ORMDL3	rs148116769	T	G	-0.390	0.049	0.021	2.29E-15	-0.005	0.033	0.890	0.002	62.799	TRUE	3.22E-14
Overall asthma	ORMDL3	rs150597587	C	T	-0.435	0.020	0.049	5.81E-102	-0.050	0.020	0.012	0.014	459.595	TRUE	3.06E-88
Overall asthma	ORMDL3	rs1558284	G	T	0.097	0.015	0.077	2.04E-10	0.001	0.017	0.980	0.001	40.422	TRUE	9.86E-10
Overall asthma	ORMDL3	rs16537	T	C	-0.148	0.014	0.126	5.38E-25	0.012	0.013	0.370	0.003	106.620	TRUE	3.46E-22
Overall asthma	ORMDL3	rs186413878	C	T	-0.674	0.097	0.021	3.42E-12	0.034	0.074	0.650	0.002	48.430	TRUE	4.90E-11
Overall asthma	ORMDL3	rs192665233	A	C	0.429	0.020	0.047	7.64E-103	0.035	0.024	0.150	0.014	463.641	TRUE	1.72E-91
Overall asthma	ORMDL3	rs2071427	T	C	0.098	0.010	0.257	1.19E-23	0.027	0.011	0.011	0.003	100.478	TRUE	2.66E-19
Overall asthma	ORMDL3	rs2301775	G	A	-0.167	0.013	0.127	2.39E-39	-0.009	0.014	0.520	0.005	172.235	TRUE	1.40E-35
Overall asthma	ORMDL3	rs2338582	T	C	0.070	0.011	0.179	1.52E-10	0.012	0.013	0.350	0.001	41.006	TRUE	3.33E-09
Overall asthma	ORMDL3	rs34585058	A	G	-0.088	0.016	0.097	2.39E-08	0.019	0.015	0.180	0.001	31.146	TRUE	4.91E-07
Overall asthma	ORMDL3	rs35797841	T	C	0.412	0.019	0.049	2.30E-102	0.046	0.024	0.057	0.014	461.439	TRUE	5.68E-90
Overall asthma	ORMDL3	rs3764354	T	C	-0.768	0.011	0.128	0.00E+00	-0.041	0.013	0.003	0.129	4685.811	TRUE	0.00E+00
Overall asthma	ORMDL3	rs482284	A	G	-0.102	0.009	0.287	2.51E-30	-0.015	0.010	0.140	0.004	130.960	TRUE	2.84E-26
Overall asthma	ORMDL3	rs506728	C	G	-0.105	0.010	0.200	5.57E-26	-0.026	0.012	0.023	0.003	111.113	TRUE	1.22E-21
Overall asthma	ORMDL3	rs55957019	G	A	0.458	0.018	0.050	2.10E-137	0.037	0.020	0.066	0.019	622.493	TRUE	1.58E-121
Overall asthma	ORMDL3	rs580506	A	G	-0.160	0.015	0.076	2.51E-25	-0.002	0.018	0.920	0.003	108.127	TRUE	1.87E-23
Overall asthma	ORMDL3	rs62065218	T	C	0.352	0.048	0.017	1.69E-13	0.078	0.038	0.043	0.002	54.331	TRUE	6.17E-11
Overall asthma	ORMDL3	rs62077536	T	C	-0.369	0.032	0.020	3.45E-30	-0.043	0.037	0.240	0.004	130.331	TRUE	1.42E-26
Overall asthma	ORMDL3	rs658542	T	C	-0.152	0.011	0.153	5.74E-43	-0.018	0.013	0.180	0.006	188.815	TRUE	9.57E-38
Overall asthma	ORMDL3	rs7217240	T	C	0.486	0.010	0.198	0.00E+00	0.043	0.011	1.70E-04	0.074	2532.299	TRUE	0.00E+00
Overall asthma	ORMDL3	rs72819670	G	A	-0.323	0.036	0.017	1.47E-19	0.011	0.030	0.720	0.003	81.847	TRUE	7.50E-18
Overall asthma	ORMDL3	rs72819672	A	G	-0.208	0.018	0.052	2.20E-29	-0.033	0.021	0.110	0.004	126.658	TRUE	2.40E-25
Overall asthma	ORMDL3	rs72823325	G	C	0.082	0.009	0.274	1.68E-18	0.015	0.011	0.160	0.002	77.031	TRUE	6.60E-16
Overall asthma	ORMDL3	rs72825152	T	C	-0.459	0.054	0.013	1.41E-17	-0.070	0.046	0.130	0.002	72.825	TRUE	6.12E-15
Overall asthma	ORMDL3	rs72825191	A	G	0.322	0.047	0.020	6.61E-12	0.066	0.032	0.036	0.001	47.136	TRUE	1.44E-09
Overall asthma	ORMDL3	rs72825201	C	A	-0.285	0.017	0.065	1.28E-63	-0.024	0.019	0.200	0.009	283.514	TRUE	1.52E-56
Overall asthma	ORMDL3	rs72832915	A	G	-0.340	0.009	0.311	0.00E+00	-0.057	0.010	3.60E-08	0.044	1455.578	TRUE	4.48E-267
Overall asthma	ORMDL3	rs72832993	A	C	0.346	0.017	0.070	2.45E-94	0.058	0.018	9.30E-04	0.013	424.555	TRUE	7.49E-80

Overall asthma	ORMDL3	rs72834789	C	T	0.204	0.012	0.129	4.37E-67	0.001	0.014	0.960	0.009	299.416	TRUE	5.10E-62
Overall asthma	ORMDL3	rs72836603	A	C	-0.402	0.033	0.020	1.08E-34	0.034	0.034	0.310	0.005	150.927	TRUE	7.56E-31
Overall asthma	ORMDL3	rs72836619	T	G	-0.340	0.023	0.037	7.54E-50	-0.039	0.022	0.079	0.007	220.348	TRUE	2.71E-43
Overall asthma	ORMDL3	rs74767487	A	G	0.279	0.016	0.079	4.75E-68	-0.008	0.018	0.660	0.009	303.842	TRUE	3.61E-62
Overall asthma	ORMDL3	rs75646943	T	C	-0.352	0.028	0.026	6.05E-37	-0.039	0.034	0.260	0.005	161.234	TRUE	1.12E-32
Overall asthma	ORMDL3	rs757319	G	C	0.212	0.021	0.036	6.38E-23	0.003	0.023	0.890	0.003	97.158	TRUE	3.52E-21
Overall asthma	ORMDL3	rs75905358	C	G	0.245	0.010	0.210	1.61E-140	0.043	0.011	1.40E-04	0.020	636.827	TRUE	1.21E-118
Overall asthma	ORMDL3	rs76555104	A	G	-0.740	0.036	0.017	1.35E-92	-0.008	0.032	0.810	0.013	416.558	TRUE	4.70E-85
Overall asthma	ORMDL3	rs77107066	T	C	-0.095	0.013	0.131	5.16E-14	-0.023	0.013	0.088	0.002	56.664	TRUE	1.32E-11
Overall asthma	ORMDL3	rs77812225	A	G	-0.197	0.030	0.020	8.27E-11	-0.080	0.034	0.020	0.001	42.190	TRUE	1.95E-08
Overall asthma	ORMDL3	rs78581969	T	C	0.104	0.014	0.087	2.78E-13	-0.032	0.016	0.048	0.002	53.354	TRUE	8.60E-11
Overall asthma	ORMDL3	rs78736194	A	C	0.117	0.021	0.047	1.61E-08	-0.052	0.021	0.014	0.001	31.909	TRUE	1.86E-06
Overall asthma	ORMDL3	rs79010101	T	C	0.210	0.019	0.049	4.48E-28	0.001	0.020	0.970	0.004	120.677	TRUE	4.66E-26
Overall asthma	ORMDL3	rs79730542	C	T	-0.249	0.029	0.023	4.09E-18	-0.001	0.028	0.980	0.002	75.272	TRUE	7.20E-17
Overall asthma	ORMDL3	rs8065040	G	A	0.063	0.008	0.449	2.21E-15	-0.029	0.010	0.003	0.002	62.862	TRUE	8.95E-12
Overall asthma	ORMDL3	rs8075931	T	C	-0.245	0.038	0.016	1.11E-10	-0.049	0.037	0.190	0.001	41.610	TRUE	4.89E-09
Overall asthma	ORMDL3	rs9914748	G	A	-0.048	0.008	0.388	3.55E-09	-0.015	0.010	0.140	0.001	34.855	TRUE	1.34E-07
Overall asthma	OSBPL7	rs1008934	G	C	-0.151	0.017	0.062	3.51E-18	-0.007	0.022	0.760	0.002	75.577	TRUE	1.20E-16
Overall asthma	OSBPL7	rs1018903	G	A	-0.115	0.008	0.456	1.94E-47	-0.024	0.010	0.011	0.007	209.299	TRUE	5.35E-40
Overall asthma	OSBPL7	rs59386258	C	T	-0.055	0.009	0.281	3.72E-10	-0.010	0.011	0.330	0.001	39.253	TRUE	7.26E-09
Overall asthma	OSBPL7	rs75717806	A	G	0.064	0.010	0.210	6.75E-11	0.007	0.011	0.550	0.001	42.586	TRUE	9.85E-10
Overall asthma	OSBPL7	rs76142347	T	C	-0.167	0.025	0.030	2.27E-11	0.000	0.029	0.990	0.001	44.716	TRUE	1.25E-10
Overall asthma	PARK7	rs113612855	G	A	0.433	0.030	0.022	7.35E-46	0.012	0.029	0.680	0.006	202.064	TRUE	7.00E-42
Overall asthma	PARK7	rs12138839	G	T	0.085	0.009	0.320	1.99E-23	-0.007	0.010	0.520	0.003	99.462	TRUE	4.47E-21
Overall asthma	PARK7	rs12758337	T	C	-0.207	0.008	0.364	1.15E-141	0.005	0.010	0.650	0.020	642.083	TRUE	2.69E-129
Overall asthma	PARK7	rs138202776	A	C	0.264	0.033	0.019	1.06E-15	-0.009	0.029	0.750	0.002	64.319	TRUE	2.26E-14
Overall asthma	PARK7	rs139347174	T	G	0.348	0.047	0.020	2.34E-13	0.012	0.034	0.710	0.002	53.696	TRUE	3.47E-12
Overall asthma	PARK7	rs150442886	C	T	-0.131	0.021	0.040	1.81E-10	0.033	0.023	0.140	0.001	40.664	TRUE	8.92E-09
Overall asthma	PARK7	rs161805	G	A	-0.217	0.025	0.029	4.83E-18	0.025	0.037	0.500	0.002	74.946	TRUE	3.68E-16
Overall asthma	PARK7	rs17523802	A	G	0.406	0.011	0.176	0.00E+00	-0.025	0.013	0.050	0.044	1445.145	TRUE	8.74E-281
Overall asthma	PARK7	rs2004255	T	C	-0.053	0.008	0.365	2.53E-10	0.004	0.010	0.670	0.001	40.003	TRUE	2.35E-09
Overall asthma	PARK7	rs2051645	A	G	-0.055	0.009	0.293	2.48E-10	0.003	0.011	0.780	0.001	40.041	TRUE	1.78E-09
Overall asthma	PARK7	rs2066980	G	A	-0.072	0.008	0.356	4.78E-18	0.024	0.010	0.016	0.002	74.966	TRUE	1.55E-14
Overall asthma	PARK7	rs227160	G	A	-0.126	0.008	0.444	7.50E-56	-0.019	0.010	0.049	0.008	247.870	TRUE	2.70E-48
Overall asthma	PARK7	rs2791322	T	C	-0.056	0.010	0.212	9.08E-09	0.022	0.012	0.074	0.001	33.026	TRUE	4.75E-07
Overall asthma	PARK7	rs3124801	T	G	-0.071	0.008	0.391	1.93E-18	-0.010	0.010	0.320	0.002	76.757	TRUE	3.25E-16
Overall asthma	PARK7	rs34216262	T	C	-0.200	0.032	0.021	2.36E-10	-0.002	0.027	0.930	0.001	40.145	TRUE	1.23E-09
Overall asthma	PARK7	rs34781518	T	C	-0.267	0.041	0.014	8.98E-11	0.019	0.045	0.680	0.001	42.029	TRUE	9.01E-10
Overall asthma	PARK7	rs4317829	C	T	-0.051	0.009	0.471	2.42E-08	0.023	0.010	0.018	0.001	31.119	TRUE	2.41E-06
Overall asthma	PARK7	rs4908685	A	C	0.203	0.024	0.034	5.80E-17	-0.033	0.024	0.160	0.002	70.039	TRUE	1.56E-14
Overall asthma	PARK7	rs57892796	T	C	-0.060	0.010	0.233	2.51E-10	0.026	0.011	0.023	0.001	40.021	TRUE	5.03E-08
Overall asthma	PARK7	rs6684694	G	T	-0.065	0.008	0.391	1.29E-15	0.011	0.010	0.250	0.002	63.932	TRUE	1.48E-13

Overall asthma	PARK7	rs6703670	A	G	-0.225	0.019	0.048	2.37E-33	0.030	0.022	0.170	0.005	144.798	TRUE	3.74E-29
Overall asthma	PARK7	rs697685	A	G	0.101	0.008	0.334	7.59E-33	-0.005	0.010	0.630	0.004	142.484	TRUE	7.11E-30
Overall asthma	PARK7	rs71639217	A	G	0.238	0.016	0.079	1.30E-48	-0.003	0.017	0.850	0.007	214.679	TRUE	9.15E-45
Overall asthma	PARK7	rs7518209	C	T	-0.108	0.012	0.123	3.55E-19	0.015	0.015	0.300	0.003	80.098	TRUE	7.28E-17
Overall asthma	PARK7	rs75766272	T	C	-0.174	0.029	0.025	1.92E-09	0.001	0.030	0.970	0.001	36.055	TRUE	7.89E-09
Overall asthma	PARK7	rs76648881	C	T	-0.135	0.024	0.031	2.32E-08	0.012	0.030	0.690	0.001	31.202	TRUE	1.37E-07
Overall asthma	PARK7	rs9434617	C	T	-0.050	0.009	0.360	6.31E-09	0.016	0.011	0.130	0.001	33.735	TRUE	2.02E-07
Overall asthma	PDIA3	rs7174732	C	A	-0.117	0.010	0.291	8.04E-34	-0.022	0.011	0.038	0.005	146.943	TRUE	9.93E-29
Overall asthma	PDIA3	rs72716006	A	C	-0.147	0.026	0.032	1.73E-08	-0.062	0.029	0.029	0.001	31.773	TRUE	1.25E-06
Overall asthma	PIK3R1	rs11739183	C	G	-0.057	0.009	0.310	3.52E-11	-0.003	0.011	0.760	0.001	43.859	TRUE	3.06E-10
Overall asthma	PIK3R1	rs1974781	A	T	-0.061	0.009	0.283	1.48E-11	0.007	0.011	0.500	0.001	45.562	TRUE	2.61E-10
Overall asthma	PIK3R1	rs2888227	C	T	0.059	0.008	0.393	5.62E-13	0.011	0.010	0.250	0.002	51.972	TRUE	3.31E-11
Overall asthma	PIK3R1	rs34287	A	G	-0.097	0.008	0.373	1.50E-32	0.010	0.010	0.340	0.004	141.130	TRUE	5.94E-29
Overall asthma	PIK3R1	rs4976156	G	A	0.150	0.010	0.214	2.04E-54	-0.030	0.012	0.011	0.008	241.297	TRUE	3.86E-46
Overall asthma	PIK3R1	rs62357310	T	C	-0.189	0.027	0.023	6.63E-12	0.024	0.027	0.370	0.001	47.131	TRUE	1.92E-10
Overall asthma	PIK3R1	rs75783050	G	A	0.146	0.023	0.037	9.83E-11	0.001	0.025	0.960	0.001	41.853	TRUE	5.16E-10
Overall asthma	PIK3R1	rs77315565	T	C	-0.102	0.016	0.076	6.10E-11	0.024	0.019	0.210	0.001	42.784	TRUE	2.61E-09
Overall asthma	PPARD	rs2299871	C	T	-0.084	0.012	0.161	4.01E-13	0.032	0.012	0.010	0.002	52.635	TRUE	3.80E-10
Overall asthma	PPARD	rs73407675	A	G	0.224	0.032	0.020	5.01E-12	-0.028	0.034	0.420	0.002	47.681	TRUE	1.33E-10
Overall asthma	PPID	rs10461269	G	A	0.065	0.011	0.157	3.18E-09	-0.006	0.013	0.650	0.001	35.065	TRUE	2.50E-08
Overall asthma	PPID	rs2070630	C	G	0.073	0.009	0.283	2.38E-16	-0.028	0.010	0.007	0.002	67.252	TRUE	9.64E-13
Overall asthma	PRKAB1	rs10774543	C	T	-0.050	0.009	0.319	3.98E-09	-0.018	0.010	0.078	0.001	34.633	TRUE	2.30E-07
Overall asthma	PRKAB1	rs11064762	C	T	0.184	0.028	0.022	5.47E-11	-0.003	0.030	0.930	0.001	42.999	TRUE	3.19E-10
Overall asthma	PRKAB1	rs11064809	A	G	-0.253	0.023	0.035	1.25E-28	-0.032	0.026	0.220	0.004	123.216	TRUE	4.31E-25
Overall asthma	PRKAB1	rs11064834	G	A	0.120	0.017	0.060	1.22E-12	-0.036	0.021	0.090	0.002	50.452	TRUE	1.85E-10
Overall asthma	PRKAB1	rs11064854	G	A	-0.442	0.015	0.081	2.25E-179	-0.041	0.016	0.013	0.025	815.492	TRUE	7.25E-157
Overall asthma	PRKAB1	rs11064994	G	A	0.141	0.018	0.058	4.92E-15	-0.014	0.018	0.430	0.002	61.289	TRUE	2.40E-13
Overall asthma	PRKAB1	rs11065015	T	C	-0.250	0.028	0.026	1.47E-19	-0.084	0.029	0.005	0.003	81.843	TRUE	2.32E-15
Overall asthma	PRKAB1	rs11065159	G	A	0.242	0.037	0.020	5.89E-11	-0.088	0.036	0.014	0.001	42.853	TRUE	1.70E-08
Overall asthma	PRKAB1	rs112088749	A	G	0.138	0.023	0.036	2.39E-09	0.019	0.021	0.360	0.001	35.624	TRUE	3.78E-08
Overall asthma	PRKAB1	rs113004644	T	C	-0.173	0.012	0.130	2.14E-46	-0.004	0.013	0.750	0.006	204.522	TRUE	1.61E-42
Overall asthma	PRKAB1	rs117067019	C	T	0.271	0.024	0.032	2.15E-30	-0.001	0.023	0.950	0.004	131.269	TRUE	3.56E-28
Overall asthma	PRKAB1	rs117076788	T	C	-0.511	0.030	0.025	1.95E-65	0.011	0.032	0.730	0.009	291.851	TRUE	6.11E-60
Overall asthma	PRKAB1	rs117200164	A	G	-0.399	0.026	0.025	2.39E-53	0.030	0.026	0.260	0.007	236.387	TRUE	1.82E-47
Overall asthma	PRKAB1	rs117758322	A	C	-0.483	0.042	0.014	7.06E-31	0.003	0.043	0.940	0.004	133.482	TRUE	1.33E-28
Overall asthma	PRKAB1	rs117864951	G	A	-0.131	0.024	0.036	4.95E-08	0.017	0.024	0.490	0.001	29.735	TRUE	4.25E-07
Overall asthma	PRKAB1	rs117872759	G	A	0.413	0.019	0.046	1.19E-101	-0.025	0.020	0.220	0.014	458.159	TRUE	6.51E-91
Overall asthma	PRKAB1	rs12296843	A	G	0.129	0.010	0.231	6.60E-36	0.000	0.013	0.970	0.005	156.485	TRUE	2.63E-33
Overall asthma	PRKAB1	rs137937400	A	G	0.137	0.021	0.041	6.87E-11	-0.016	0.023	0.500	0.001	42.552	TRUE	1.12E-09
Overall asthma	PRKAB1	rs138689173	A	G	-0.251	0.036	0.017	2.23E-12	0.035	0.044	0.430	0.002	49.266	TRUE	6.12E-11
Overall asthma	PRKAB1	rs141007011	C	T	-0.423	0.043	0.015	1.33E-22	0.018	0.043	0.680	0.003	95.697	TRUE	1.40E-20
Overall asthma	PRKAB1	rs149857526	T	G	-0.320	0.037	0.016	2.07E-18	-0.047	0.039	0.230	0.002	76.621	TRUE	5.58E-16

Overall asthma	PRKAB1	rs17485664	C	T	0.742	0.016	0.063	0.00E+00	0.015	0.020	0.460	0.064	2183.598	TRUE	0.00E+00
Overall asthma	PRKAB1	rs17499109	A	G	0.222	0.014	0.101	1.56E-58	0.030	0.015	0.049	0.008	260.179	TRUE	1.20E-50
Overall asthma	PRKAB1	rs202983	A	G	-0.078	0.009	0.266	2.62E-18	-0.001	0.011	0.940	0.002	76.149	TRUE	5.37E-17
Overall asthma	PRKAB1	rs2464798	A	G	-0.193	0.009	0.262	6.96E-102	-0.003	0.011	0.810	0.014	459.232	TRUE	1.49E-93
Overall asthma	PRKAB1	rs2524393	A	G	0.104	0.015	0.076	1.22E-11	0.005	0.017	0.770	0.001	45.944	TRUE	1.15E-10
Overall asthma	PRKAB1	rs34179846	C	T	0.161	0.014	0.094	5.69E-31	0.028	0.015	0.077	0.004	133.913	TRUE	2.19E-26
Overall asthma	PRKAB1	rs35811623	G	A	0.131	0.023	0.031	1.79E-08	0.049	0.025	0.048	0.001	31.706	TRUE	1.01E-06
Overall asthma	PRKAB1	rs3902094	A	G	0.418	0.033	0.018	1.94E-36	-0.073	0.034	0.035	0.005	158.916	TRUE	7.72E-31
Overall asthma	PRKAB1	rs4379896	T	C	0.070	0.008	0.468	2.95E-18	0.016	0.010	0.096	0.002	75.918	TRUE	2.19E-15
Overall asthma	PRKAB1	rs4465416	T	G	0.061	0.008	0.453	2.14E-14	0.013	0.010	0.170	0.002	58.393	TRUE	2.78E-12
Overall asthma	PRKAB1	rs4767921	A	G	-0.069	0.008	0.346	1.24E-16	-0.012	0.010	0.220	0.002	68.534	TRUE	2.18E-14
Overall asthma	PRKAB1	rs528708	T	G	-0.097	0.011	0.170	9.34E-20	0.018	0.013	0.150	0.003	82.739	TRUE	5.33E-17
Overall asthma	PRKAB1	rs59595036	G	A	0.143	0.019	0.056	5.74E-14	-0.013	0.036	0.710	0.002	56.453	TRUE	9.76E-13
Overall asthma	PRKAB1	rs61945854	C	T	-0.086	0.013	0.103	5.79E-11	-0.002	0.015	0.920	0.001	42.887	TRUE	3.46E-10
Overall asthma	PRKAB1	rs73217238	C	T	0.073	0.010	0.203	1.53E-12	-0.003	0.012	0.830	0.002	50.001	TRUE	1.48E-11
Overall asthma	PRKAB1	rs73221259	A	G	0.879	0.038	0.017	1.73E-119	0.074	0.040	0.066	0.017	540.138	TRUE	1.79E-105
Overall asthma	PRKAB1	rs73221277	A	G	-0.480	0.024	0.032	1.52E-86	0.009	0.027	0.740	0.012	388.758	TRUE	2.79E-79
Overall asthma	PRKAB1	rs74986619	A	C	-0.149	0.014	0.086	3.01E-25	0.005	0.018	0.800	0.003	107.766	TRUE	3.42E-23
Overall asthma	PRKAB1	rs76490401	G	A	0.128	0.023	0.032	2.89E-08	0.032	0.027	0.240	0.001	30.776	TRUE	5.17E-07
Overall asthma	PRKAB1	rs77051199	T	C	0.207	0.027	0.025	1.01E-14	0.006	0.029	0.840	0.002	59.869	TRUE	1.45E-13
Overall asthma	PRKAB1	rs78496826	G	A	0.217	0.028	0.030	6.79E-15	0.008	0.038	0.840	0.002	60.655	TRUE	1.01E-13
Overall asthma	PRKAB1	rs7956304	A	G	0.087	0.010	0.218	1.56E-19	0.017	0.012	0.150	0.003	81.731	TRUE	9.02E-17
Overall asthma	PRKAB1	rs7961828	A	C	-0.530	0.030	0.028	2.18E-68	0.013	0.027	0.620	0.010	305.399	TRUE	2.25E-62
Overall asthma	PRKAB1	rs804441	T	C	0.108	0.009	0.293	1.42E-35	0.006	0.011	0.580	0.005	154.962	TRUE	2.58E-32
Overall asthma	PRKAB1	rs804460	T	G	-0.062	0.008	0.457	9.51E-15	-0.002	0.010	0.860	0.002	59.991	TRUE	1.32E-13
Overall asthma	PRKAB1	rs884033	G	A	0.093	0.008	0.409	8.77E-31	0.000	0.010	0.980	0.004	133.053	TRUE	1.38E-28
Overall asthma	PRKAB2	rs11240088	C	T	-0.196	0.013	0.303	4.22E-49	-0.013	0.011	0.210	0.007	216.917	TRUE	1.38E-43
Overall asthma	PRKAB2	rs115304965	C	T	0.493	0.036	0.035	1.62E-42	0.017	0.021	0.420	0.006	186.748	TRUE	3.26E-38
Overall asthma	PRKAB2	rs11582521	T	G	-0.249	0.040	0.039	4.52E-10	-0.002	0.021	0.940	0.001	38.873	TRUE	2.22E-09
Overall asthma	PRKAB2	rs11800992	A	C	-0.188	0.018	0.131	6.96E-26	0.009	0.014	0.530	0.003	110.672	TRUE	2.41E-23
Overall asthma	PRKAB2	rs11807358	C	T	0.435	0.066	0.015	5.49E-11	0.034	0.041	0.400	0.001	42.991	TRUE	1.15E-09
Overall asthma	PRKAB2	rs12049533	T	C	0.279	0.028	0.108	1.51E-23	0.018	0.015	0.210	0.003	100.017	TRUE	1.42E-20
Overall asthma	PRKAB2	rs12728771	A	G	-0.094	0.016	0.158	7.52E-09	-0.026	0.013	0.053	0.001	33.393	TRUE	5.12E-07
Overall asthma	PRKAB2	rs141325157	A	G	0.356	0.057	0.016	3.80E-10	0.008	0.033	0.810	0.001	39.210	TRUE	2.52E-09
Overall asthma	PRKAB2	rs142800581	G	C	-0.250	0.043	0.020	4.76E-09	0.067	0.036	0.066	0.001	34.284	TRUE	2.85E-07
Overall asthma	PRKAB2	rs145968033	T	C	-0.419	0.059	0.015	1.16E-12	-0.040	0.037	0.270	0.002	50.546	TRUE	5.73E-11
Overall asthma	PRKAB2	rs147375941	A	G	0.410	0.059	0.016	4.38E-12	0.073	0.042	0.081	0.002	47.944	TRUE	5.84E-10
Overall asthma	PRKAB2	rs17355830	C	T	-0.276	0.050	0.022	2.98E-08	0.006	0.033	0.850	0.001	30.721	TRUE	1.26E-07
Overall asthma	PRKAB2	rs184164109	T	G	-0.450	0.054	0.018	1.03E-16	-0.045	0.040	0.250	0.002	68.899	TRUE	1.54E-14
Overall asthma	PRKAB2	rs188456167	A	C	-0.652	0.091	0.014	8.67E-13	0.060	0.040	0.140	0.002	51.122	TRUE	9.40E-11
Overall asthma	PRKAB2	rs1969872	T	G	0.323	0.013	0.266	3.52E-134	0.027	0.011	0.014	0.019	607.669	TRUE	5.35E-117
Overall asthma	PRKAB2	rs2101879	C	A	0.120	0.012	0.350	2.74E-22	0.030	0.010	0.003	0.003	94.271	TRUE	1.54E-17

Overall asthma	PRKAB2	rs594716	C	T	-0.302	0.035	0.029	1.76E-17	-0.011	0.026	0.680	0.002	72.392	TRUE	6.81E-16
Overall asthma	PRKAB2	rs74363403	G	T	0.355	0.029	0.043	4.68E-34	0.029	0.022	0.200	0.005	148.017	TRUE	7.62E-30
Overall asthma	PRKAB2	rs7517655	A	G	-0.350	0.012	0.429	2.41E-195	-0.023	0.010	0.016	0.027	888.956	TRUE	1.11E-171
Overall asthma	PRKAB2	rs7525162	G	A	-0.144	0.017	0.148	3.88E-18	-0.014	0.014	0.330	0.002	75.380	TRUE	6.21E-16
Overall asthma	PRKAB2	rs75435090	C	T	-0.348	0.023	0.073	1.06E-53	-0.010	0.018	0.580	0.007	238.014	TRUE	8.12E-49
Overall asthma	PRKAB2	rs76327000	C	T	0.492	0.056	0.016	2.11E-18	0.058	0.029	0.042	0.002	76.579	TRUE	3.25E-15
Overall asthma	PRKAB2	rs78166327	T	C	-0.432	0.063	0.017	7.77E-12	-0.110	0.043	0.011	0.001	46.821	TRUE	3.76E-09
Overall asthma	PRKAG3	rs75010902	A	G	-0.109	0.020	0.059	3.73E-08	-0.004	0.018	0.850	0.001	30.284	TRUE	1.57E-07
Overall asthma	PRKAG3	rs7572745	G	A	0.080	0.015	0.090	4.42E-08	0.049	0.016	0.003	0.001	29.952	TRUE	8.98E-06
Overall asthma	PRKAG3	rs7603912	T	G	0.127	0.008	0.462	9.46E-54	0.030	0.010	0.002	0.007	238.235	TRUE	1.63E-44
Overall asthma	PRKCA	rs113153197	T	C	0.148	0.022	0.045	5.36E-12	0.032	0.024	0.180	0.001	47.546	TRUE	3.46E-10
Overall asthma	PRKCA	rs11658459	A	G	-0.099	0.009	0.380	1.44E-27	-0.001	0.010	0.900	0.004	118.358	TRUE	1.76E-25
Overall asthma	PRKCA	rs11659067	A	G	-0.274	0.019	0.047	7.34E-48	-0.032	0.024	0.180	0.007	211.236	TRUE	3.19E-42
Overall asthma	PRKCA	rs12450121	C	T	0.090	0.011	0.160	1.03E-16	0.001	0.013	0.940	0.002	68.912	TRUE	1.58E-15
Overall asthma	PRKCA	rs12945884	C	T	-0.099	0.008	0.490	6.31E-36	0.010	0.010	0.320	0.005	156.575	TRUE	5.80E-32
Overall asthma	PRKCA	rs150602265	G	A	0.124	0.017	0.061	7.81E-14	-0.003	0.022	0.890	0.002	55.848	TRUE	8.32E-13
Overall asthma	PRKCA	rs17689224	T	C	-0.059	0.010	0.215	1.31E-09	0.028	0.011	0.014	0.001	36.801	TRUE	2.59E-07
Overall asthma	PRKCA	rs17762314	G	A	0.081	0.009	0.291	1.55E-20	-0.013	0.011	0.210	0.003	86.295	TRUE	6.70E-18
Overall asthma	PRKCA	rs1801692	T	C	-0.269	0.019	0.048	9.06E-47	0.006	0.023	0.780	0.006	206.233	TRUE	6.10E-43
Overall asthma	PRKCA	rs2056072	A	G	0.068	0.008	0.484	1.45E-17	0.015	0.010	0.120	0.002	72.770	TRUE	6.85E-15
Overall asthma	PRKCA	rs35337556	G	A	-0.049	0.009	0.346	1.69E-08	-0.003	0.010	0.760	0.001	31.821	TRUE	8.98E-08
Overall asthma	PRKCA	rs4479281	C	T	-0.308	0.023	0.033	2.11E-41	0.068	0.028	0.015	0.006	181.640	TRUE	8.36E-35
Overall asthma	PRKCA	rs7216196	G	T	0.268	0.045	0.015	2.73E-09	0.078	0.046	0.093	0.001	35.367	TRUE	1.39E-07
Overall asthma	PRKCA	rs759118	T	C	-0.067	0.009	0.309	6.59E-15	0.019	0.011	0.077	0.002	60.715	TRUE	2.03E-12
Overall asthma	PRKCA	rs76105645	G	C	0.225	0.015	0.077	8.03E-50	0.001	0.019	0.960	0.007	220.224	TRUE	3.96E-46
Overall asthma	PRKCA	rs78050952	C	G	-0.257	0.021	0.039	1.91E-35	0.022	0.025	0.380	0.005	154.372	TRUE	1.08E-31
Overall asthma	PRKCA	rs78330327	A	C	0.126	0.017	0.058	1.35E-13	0.016	0.022	0.470	0.002	54.778	TRUE	4.30E-12
Overall asthma	PRKCA	rs78357146	G	A	0.216	0.028	0.028	1.37E-14	-0.033	0.028	0.240	0.002	59.277	TRUE	1.33E-12
Overall asthma	PRKCA	rs80130647	C	T	0.176	0.030	0.023	2.60E-09	-0.036	0.026	0.160	0.001	35.462	TRUE	8.42E-08
Overall asthma	PRKCA	rs8178847	T	C	-0.206	0.015	0.071	2.62E-40	0.013	0.019	0.510	0.006	176.635	TRUE	2.15E-36
Overall asthma	PRKCA	rs9891416	C	A	0.051	0.009	0.328	3.26E-09	0.003	0.010	0.750	0.001	35.018	TRUE	2.06E-08
Overall asthma	PRKCA	rs9900274	A	G	0.114	0.014	0.084	1.39E-15	0.005	0.018	0.770	0.002	63.778	TRUE	2.78E-14
Overall asthma	PRKCA	rs9901697	G	A	-0.200	0.008	0.344	1.15E-127	0.034	0.010	6.60E-04	0.018	577.730	TRUE	1.00E-108
Overall asthma	RHOT1	rs1039402	T	C	-0.068	0.012	0.129	9.24E-09	-0.006	0.014	0.690	0.001	32.994	TRUE	5.93E-08
Overall asthma	RHOT1	rs112029880	A	G	-0.091	0.010	0.202	4.15E-19	-0.036	0.012	0.003	0.003	79.791	TRUE	6.96E-15
Overall asthma	RHOT1	rs11650026	A	C	0.174	0.017	0.075	3.77E-24	-0.002	0.017	0.890	0.003	102.760	TRUE	2.50E-22
Overall asthma	RHOT1	rs11654800	T	C	0.111	0.008	0.425	1.43E-40	-0.004	0.010	0.700	0.006	177.842	TRUE	4.24E-37
Overall asthma	RHOT1	rs118105946	G	A	0.146	0.020	0.048	3.02E-13	0.002	0.020	0.940	0.002	53.193	TRUE	2.57E-12
Overall asthma	RHOT1	rs12944565	A	G	-0.166	0.009	0.312	8.68E-85	-0.024	0.010	0.018	0.012	380.696	TRUE	3.28E-73
Overall asthma	RHOT1	rs141988744	C	T	-0.311	0.049	0.017	3.01E-10	-0.092	0.050	0.064	0.001	39.668	TRUE	2.62E-08
Overall asthma	RHOT1	rs144382041	A	G	-0.384	0.039	0.016	1.95E-23	-0.002	0.040	0.970	0.003	99.510	TRUE	8.98E-22
Overall asthma	RHOT1	rs147933234	T	C	-0.325	0.027	0.027	1.49E-32	-0.063	0.031	0.043	0.004	141.149	TRUE	1.43E-27

Overall asthma	RHOT1	rs147960200	T	C	0.202	0.032	0.018	2.40E-10	-0.059	0.031	0.062	0.001	40.104	TRUE	2.39E-08
Overall asthma	RHOT1	rs149254344	G	C	-0.162	0.024	0.037	1.06E-11	-0.022	0.023	0.330	0.001	46.205	TRUE	3.30E-10
Overall asthma	RHOT1	rs167298	A	G	-0.112	0.009	0.440	3.45E-38	-0.007	0.010	0.500	0.005	166.926	TRUE	1.75E-34
Overall asthma	RHOT1	rs2905171	C	T	0.053	0.009	0.281	3.33E-09	0.012	0.011	0.240	0.001	34.980	TRUE	6.73E-08
Overall asthma	RHOT1	rs425309	T	C	-0.102	0.019	0.052	3.91E-08	0.003	0.021	0.890	0.001	30.193	TRUE	1.50E-07
Overall asthma	RHOT1	rs450735	T	C	-0.059	0.009	0.254	1.15E-10	0.004	0.011	0.720	0.001	41.551	TRUE	1.04E-09
Overall asthma	RHOT1	rs4795702	G	A	-0.070	0.009	0.269	1.13E-14	0.012	0.011	0.260	0.002	59.653	TRUE	9.43E-13
Overall asthma	RHOT1	rs55861514	T	C	-0.133	0.022	0.035	3.00E-09	0.007	0.025	0.770	0.001	35.181	TRUE	1.81E-08
Overall asthma	RHOT1	rs62062229	C	T	0.070	0.009	0.256	3.46E-14	0.020	0.011	0.069	0.002	57.453	TRUE	1.02E-11
Overall asthma	RHOT1	rs62062440	C	T	0.186	0.014	0.116	3.62E-41	0.000	0.014	0.990	0.006	180.569	TRUE	3.46E-38
Overall asthma	RHOT1	rs6505264	A	G	-0.442	0.037	0.017	2.01E-33	-0.044	0.034	0.200	0.005	145.121	TRUE	2.62E-29
Overall asthma	RHOT1	rs72825779	C	T	0.180	0.024	0.035	2.24E-14	0.025	0.022	0.240	0.002	58.308	TRUE	1.89E-12
Overall asthma	RHOT1	rs739799	T	C	-0.418	0.042	0.016	6.13E-23	-0.055	0.039	0.160	0.003	97.237	TRUE	8.43E-20
Overall asthma	RHOT1	rs79573699	T	C	-0.209	0.023	0.034	1.37E-19	-0.052	0.034	0.130	0.003	81.984	TRUE	1.04E-16
Overall asthma	RHOT1	rs9902817	T	C	0.078	0.013	0.099	4.49E-09	0.032	0.016	0.042	0.001	34.396	TRUE	3.31E-07
Overall asthma	RHOT1	rs9909295	C	T	-0.390	0.010	0.173	0.00E+00	-0.029	0.013	0.022	0.044	1442.611	TRUE	5.27E-279
Overall asthma	RPS27L	rs113010023	A	G	-0.417	0.074	0.019	2.08E-08	-0.019	0.046	0.680	0.001	31.416	TRUE	1.27E-07
Overall asthma	RPS27L	rs12899931	C	T	-0.158	0.013	0.107	9.64E-35	-0.047	0.017	0.005	0.005	151.158	TRUE	1.57E-28
Overall asthma	RPS27L	rs4984265	A	G	-0.062	0.010	0.210	3.10E-10	-0.013	0.012	0.270	0.001	39.609	TRUE	8.16E-09
Overall asthma	RRP8	rs11040933	A	G	-0.248	0.008	0.342	5.03E-196	-0.021	0.010	0.038	0.027	892.079	TRUE	3.55E-173
Overall asthma	RRP8	rs113199701	T	C	0.174	0.030	0.021	6.20E-09	0.052	0.034	0.130	0.001	33.768	TRUE	2.22E-07
Overall asthma	RRP8	rs117780316	A	G	0.129	0.022	0.035	8.91E-09	-0.039	0.024	0.100	0.001	33.063	TRUE	3.48E-07
Overall asthma	RRP8	rs12804019	A	G	-0.171	0.018	0.054	5.01E-22	-0.005	0.023	0.840	0.003	93.078	TRUE	2.71E-20
Overall asthma	RRP8	rs1800738	A	T	-0.103	0.008	0.412	1.66E-37	-0.002	0.010	0.810	0.005	163.806	TRUE	1.78E-34
Overall asthma	RRP8	rs2288283	G	A	-0.083	0.011	0.148	1.38E-13	0.010	0.014	0.460	0.002	54.724	TRUE	4.30E-12
Overall asthma	RRP8	rs2595477	T	C	0.059	0.008	0.451	2.48E-13	-0.004	0.010	0.710	0.002	53.579	TRUE	3.77E-12
Overall asthma	RRP8	rs34135981	C	T	0.270	0.016	0.068	9.28E-62	-0.002	0.018	0.900	0.009	274.973	TRUE	5.79E-57
Overall asthma	RRP8	rs56716552	T	C	-0.071	0.011	0.212	1.36E-11	-0.011	0.013	0.410	0.001	45.716	TRUE	3.40E-10
Overall asthma	RRP8	rs59011286	G	A	-0.175	0.015	0.080	3.56E-31	0.030	0.018	0.088	0.004	134.843	TRUE	8.09E-27
Overall asthma	RRP8	rs61729699	C	T	-0.199	0.031	0.022	8.06E-11	-0.004	0.029	0.880	0.001	42.240	TRUE	5.14E-10
Overall asthma	RRP8	rs61875867	T	C	-0.748	0.035	0.018	3.93E-101	-0.023	0.030	0.450	0.014	455.777	TRUE	1.35E-91
Overall asthma	RRP8	rs61876778	C	T	-0.218	0.036	0.018	2.01E-09	-0.055	0.034	0.110	0.001	35.962	TRUE	9.55E-08
Overall asthma	RRP8	rs67622999	G	A	0.085	0.010	0.223	1.66E-18	0.018	0.011	0.100	0.002	77.052	TRUE	1.19E-15
Overall asthma	RRP8	rs74751108	T	C	-0.161	0.024	0.032	8.89E-12	0.018	0.026	0.490	0.001	46.556	TRUE	1.77E-10
Overall asthma	SESN1	rs10457183	T	C	0.063	0.010	0.187	1.12E-09	-0.005	0.012	0.680	0.001	37.100	TRUE	9.03E-09
Overall asthma	SESN1	rs11153123	G	A	0.053	0.009	0.299	2.93E-09	-0.022	0.011	0.046	0.001	35.229	TRUE	2.31E-07
Overall asthma	SESN1	rs117323902	A	G	0.557	0.032	0.019	7.04E-66	-0.029	0.032	0.360	0.009	293.879	TRUE	2.90E-59
Overall asthma	SESN1	rs12193858	T	A	0.584	0.012	0.130	0.00E+00	-0.036	0.015	0.013	0.069	2357.740	TRUE	0.00E+00
Overall asthma	SESN1	rs1327470	T	C	0.129	0.010	0.208	4.57E-40	0.000	0.012	1.000	0.006	175.524	TRUE	3.41E-37
Overall asthma	SESN1	rs138918444	A	G	0.594	0.042	0.014	1.35E-44	0.012	0.039	0.760	0.006	196.268	TRUE	6.86E-41
Overall asthma	SESN1	rs143290212	C	T	0.194	0.034	0.023	1.63E-08	-0.990	0.360	0.007	0.001	31.896	TRUE	2.69E-06
Overall asthma	SESN1	rs185274858	G	T	0.422	0.055	0.015	1.76E-14	-0.062	0.055	0.250	0.002	58.782	TRUE	1.50E-12

Overall asthma	SESN1	rs2050310	C	T	0.154	0.008	0.343	2.95E-76	-0.003	0.010	0.770	0.011	341.518	TRUE	5.89E-70
Overall asthma	SESN1	rs2140034	T	C	-0.071	0.010	0.191	7.70E-12	0.026	0.012	0.038	0.001	46.838	TRUE	1.95E-09
Overall asthma	SESN1	rs2768548	C	T	0.160	0.009	0.244	3.38E-67	-0.021	0.011	0.061	0.009	299.931	TRUE	1.54E-58
Overall asthma	SESN1	rs2768561	A	G	-0.090	0.010	0.184	1.17E-18	0.013	0.012	0.280	0.002	77.741	TRUE	2.56E-16
Overall asthma	SESN1	rs351738	C	T	-0.060	0.009	0.302	1.64E-11	-0.010	0.010	0.310	0.001	45.360	TRUE	5.22E-10
Overall asthma	SESN1	rs35629606	T	C	-0.096	0.015	0.103	2.63E-10	0.015	0.016	0.350	0.001	39.932	TRUE	5.57E-09
Overall asthma	SESN1	rs35740192	T	C	-0.100	0.010	0.210	4.98E-22	0.014	0.011	0.230	0.003	93.090	TRUE	3.88E-19
Overall asthma	SESN1	rs3941888	A	G	0.099	0.009	0.315	8.03E-31	0.008	0.010	0.450	0.004	133.228	TRUE	1.27E-27
Overall asthma	SESN1	rs554244	T	C	0.079	0.008	0.461	6.46E-22	-0.012	0.010	0.220	0.003	92.577	TRUE	4.35E-19
Overall asthma	SESN1	rs574815	G	A	0.203	0.017	0.063	3.38E-34	-0.038	0.023	0.100	0.005	148.664	TRUE	1.60E-29
Overall asthma	SESN1	rs6938859	C	T	0.235	0.029	0.027	1.97E-16	-0.042	0.029	0.160	0.002	67.627	TRUE	5.36E-14
Overall asthma	SESN1	rs75222113	C	T	-0.118	0.015	0.081	2.21E-14	-0.005	0.016	0.730	0.002	58.332	TRUE	3.88E-13
Overall asthma	SESN1	rs75352535	G	A	0.222	0.016	0.074	3.06E-45	-0.013	0.019	0.470	0.006	199.226	TRUE	6.93E-41
Overall asthma	SESN1	rs75576199	G	A	0.567	0.030	0.020	4.50E-82	-0.027	0.038	0.480	0.011	368.224	TRUE	2.20E-74
Overall asthma	SESN1	rs76192723	A	G	0.330	0.031	0.018	5.84E-27	-0.013	0.036	0.720	0.004	115.586	TRUE	1.22E-24
Overall asthma	SESN1	rs9400329	G	T	0.101	0.014	0.101	2.71E-12	-0.010	0.014	0.480	0.002	48.885	TRUE	6.14E-11
Overall asthma	SESN1	rs9486939	G	A	0.285	0.044	0.015	1.41E-10	-0.075	0.041	0.064	0.001	41.147	TRUE	1.35E-08
Overall asthma	SESN1	rs9968792	T	A	-0.067	0.009	0.323	2.52E-15	0.017	0.010	0.083	0.002	62.608	TRUE	8.32E-13
Overall asthma	SFRP1	rs10088899	A	G	0.121	0.016	0.070	8.23E-14	-0.032	0.018	0.072	0.002	55.747	TRUE	2.01E-11
Overall asthma	SFRP1	rs13268057	A	G	-0.069	0.009	0.331	1.93E-15	-0.025	0.010	0.015	0.002	63.135	TRUE	3.14E-12
Overall asthma	SLC39A1	rs116651633	G	A	-0.152	0.024	0.036	3.27E-10	-0.051	0.035	0.150	0.001	39.504	TRUE	1.55E-08
Overall asthma	SLC39A1	rs116689813	G	T	0.286	0.035	0.017	1.94E-16	0.031	0.035	0.380	0.002	67.660	TRUE	1.63E-14
Overall asthma	SLC39A1	rs16835630	C	T	0.243	0.040	0.015	9.05E-10	0.017	0.036	0.630	0.001	37.518	TRUE	8.01E-09
Overall asthma	SLC39A1	rs17364880	T	C	-0.160	0.013	0.105	6.50E-35	0.017	0.016	0.300	0.005	151.940	TRUE	5.81E-31
Overall asthma	SLC39A1	rs28654266	T	C	0.190	0.030	0.024	3.54E-10	-0.029	0.029	0.320	0.001	39.351	TRUE	8.03E-09
Overall asthma	SLC39A1	rs4103781	C	T	0.059	0.008	0.494	1.10E-13	0.020	0.010	0.034	0.002	55.181	TRUE	4.69E-11
Overall asthma	SLC39A1	rs41265213	T	C	-0.235	0.025	0.032	1.33E-20	-0.025	0.025	0.320	0.003	86.585	TRUE	3.82E-18
Overall asthma	SLC39A1	rs4475793	G	A	-0.097	0.010	0.190	1.62E-21	-0.004	0.012	0.750	0.003	90.754	TRUE	1.09E-19
Overall asthma	SLC39A1	rs4845353	C	T	0.046	0.008	0.464	9.30E-09	0.010	0.010	0.320	0.001	32.980	TRUE	1.44E-07
Overall asthma	SLC39A1	rs56065125	T	C	-0.193	0.035	0.019	4.38E-08	-0.005	0.040	0.900	0.001	29.972	TRUE	1.64E-07
Overall asthma	SLC39A1	rs6667222	C	A	-0.101	0.009	0.255	3.19E-28	-0.019	0.011	0.086	0.004	121.352	TRUE	3.98E-24
Overall asthma	SLC39A1	rs6724	C	G	0.256	0.009	0.300	2.62E-196	0.027	0.011	0.010	0.027	893.379	TRUE	2.92E-172
Overall asthma	SLC39A1	rs72696241	A	G	-0.104	0.009	0.274	2.12E-31	-0.003	0.011	0.780	0.004	135.869	TRUE	7.76E-29
Overall asthma	SLC39A1	rs74590348	G	A	0.276	0.037	0.017	1.40E-13	0.003	0.037	0.940	0.002	54.697	TRUE	1.27E-12
Overall asthma	SLC39A1	rs79862066	T	C	0.217	0.035	0.018	7.67E-10	-0.012	0.030	0.690	0.001	37.840	TRUE	6.14E-09
Overall asthma	SLC39A1	rs9426887	A	G	0.186	0.019	0.052	2.63E-23	0.014	0.021	0.500	0.003	98.916	TRUE	6.00E-21
Overall asthma	SLC39A13	rs9919526	T	C	-0.059	0.009	0.287	1.47E-11	-0.025	0.011	0.015	0.001	45.565	TRUE	4.03E-09
Overall asthma	SLC40A1	rs10189190	C	T	0.362	0.009	0.267	0.00E+00	0.028	0.011	0.010	0.051	1700.022	TRUE	0.00E+00
Overall asthma	SLC40A1	rs114954823	C	T	-0.087	0.015	0.079	4.20E-09	-0.010	0.018	0.590	0.001	34.525	TRUE	3.52E-08
Overall asthma	SLC40A1	rs115109977	G	A	-0.164	0.028	0.028	5.70E-09	-0.044	0.030	0.150	0.001	33.933	TRUE	1.88E-07
Overall asthma	SLC40A1	rs116069054	C	T	0.128	0.022	0.035	6.28E-09	0.002	0.029	0.940	0.001	33.742	TRUE	2.56E-08
Overall asthma	SLC40A1	rs116749612	T	C	-0.268	0.029	0.026	5.97E-21	0.011	0.031	0.710	0.003	88.178	TRUE	3.88E-19

Overall asthma	SLC40A1	rs12478752	C	T	-0.079	0.010	0.180	3.16E-14	0.021	0.012	0.084	0.002	57.626	TRUE	8.31E-12
Overall asthma	SLC40A1	rs12999011	C	T	0.242	0.012	0.133	1.04E-90	0.040	0.015	0.007	0.013	407.885	TRUE	7.00E-78
Overall asthma	SLC40A1	rs13396619	T	A	-0.170	0.025	0.028	7.49E-12	-0.027	0.032	0.390	0.001	46.892	TRUE	1.98E-10
Overall asthma	SLC40A1	rs137979680	T	C	0.353	0.035	0.018	1.16E-23	0.001	0.031	0.980	0.003	100.534	TRUE	5.33E-22
Overall asthma	SLC40A1	rs146700156	C	T	0.277	0.031	0.024	7.82E-19	0.110	0.039	0.005	0.002	78.540	TRUE	8.09E-15
Overall asthma	SLC40A1	rs149715350	A	G	-0.143	0.023	0.038	5.35E-10	0.017	0.022	0.440	0.001	38.542	TRUE	8.08E-09
Overall asthma	SLC40A1	rs149739676	G	T	0.333	0.038	0.016	2.69E-18	-0.027	0.037	0.470	0.002	76.096	TRUE	2.45E-16
Overall asthma	SLC40A1	rs17198871	G	A	0.242	0.022	0.043	4.12E-29	0.013	0.022	0.540	0.004	125.410	TRUE	2.55E-26
Overall asthma	SLC40A1	rs17271239	G	A	-0.184	0.032	0.023	1.31E-08	0.004	0.037	0.910	0.001	32.315	TRUE	5.29E-08
Overall asthma	SLC40A1	rs180767157	A	C	0.219	0.031	0.022	1.04E-12	-0.022	0.042	0.590	0.002	50.771	TRUE	1.86E-11
Overall asthma	SLC40A1	rs28526366	G	A	0.179	0.014	0.085	8.26E-36	0.003	0.018	0.850	0.005	156.042	TRUE	5.39E-33
Overall asthma	SLC40A1	rs35772309	A	G	0.153	0.009	0.311	9.47E-71	0.015	0.011	0.170	0.010	316.236	TRUE	8.81E-63
Overall asthma	SLC40A1	rs41265563	G	A	0.148	0.019	0.055	1.12E-14	0.017	0.018	0.370	0.002	59.675	TRUE	6.99E-13
Overall asthma	SLC40A1	rs41272803	G	A	-0.242	0.044	0.014	3.21E-08	0.046	0.038	0.220	0.001	30.575	TRUE	5.87E-07
Overall asthma	SLC40A1	rs4417750	C	T	-0.169	0.012	0.131	4.10E-47	-0.013	0.015	0.380	0.007	207.808	TRUE	2.69E-42
Overall asthma	SLC40A1	rs4494782	C	T	0.249	0.020	0.044	3.43E-37	0.039	0.025	0.110	0.005	162.364	TRUE	2.56E-32
Overall asthma	SLC40A1	rs5743063	T	C	-0.090	0.009	0.231	1.44E-21	-0.011	0.012	0.360	0.003	90.983	TRUE	4.22E-19
Overall asthma	SLC40A1	rs59193157	C	T	0.285	0.022	0.034	1.15E-37	0.001	0.026	0.970	0.005	164.542	TRUE	6.27E-35
Overall asthma	SLC40A1	rs62183592	T	C	-0.182	0.021	0.048	8.07E-19	0.022	0.019	0.240	0.002	78.477	TRUE	2.17E-16
Overall asthma	SLC40A1	rs62184177	G	A	0.223	0.021	0.048	2.59E-27	0.008	0.020	0.680	0.004	117.199	TRUE	6.48E-25
Overall asthma	SLC40A1	rs6434360	A	C	0.173	0.028	0.025	1.04E-09	-0.035	0.040	0.390	0.001	37.237	TRUE	1.73E-08
Overall asthma	SLC40A1	rs6733797	G	A	0.178	0.027	0.023	2.32E-11	0.046	0.042	0.270	0.001	44.676	TRUE	8.39E-10
Overall asthma	SLC40A1	rs71434657	A	C	-0.144	0.021	0.064	4.50E-12	-0.006	0.016	0.730	0.002	47.892	TRUE	5.16E-11
Overall asthma	SLC40A1	rs72916297	G	T	-0.245	0.016	0.076	3.70E-50	-0.034	0.016	0.032	0.007	221.765	TRUE	5.39E-43
Overall asthma	SLC40A1	rs73981468	G	A	0.113	0.021	0.041	4.51E-08	0.051	0.023	0.025	0.001	29.917	TRUE	3.08E-06
Overall asthma	SLC40A1	rs7419983	T	C	0.070	0.009	0.247	5.77E-14	0.005	0.011	0.680	0.002	56.445	TRUE	1.12E-12
Overall asthma	SLC40A1	rs74787438	T	C	-0.165	0.021	0.038	3.18E-15	-0.082	0.023	4.10E-04	0.002	62.148	TRUE	3.51E-11
Overall asthma	SLC40A1	rs76148000	G	T	-0.223	0.033	0.021	1.82E-11	-0.018	0.027	0.510	0.001	45.148	TRUE	3.23E-10
Overall asthma	SLC40A1	rs76194616	A	G	-0.288	0.039	0.016	1.88E-13	-0.023	0.032	0.480	0.002	54.128	TRUE	5.71E-12
Overall asthma	SLC40A1	rs77284543	T	C	-0.253	0.027	0.030	5.69E-21	0.022	0.021	0.310	0.003	88.272	TRUE	1.99E-18
Overall asthma	SLC40A1	rs77387465	G	C	0.219	0.025	0.032	1.41E-18	0.037	0.027	0.170	0.002	77.379	TRUE	5.73E-16
Overall asthma	SLC40A1	rs77798223	G	A	-0.127	0.012	0.123	1.99E-24	-0.022	0.013	0.094	0.003	104.020	TRUE	8.26E-21
Overall asthma	SLC40A1	rs78224262	C	T	-0.113	0.012	0.134	8.75E-20	-0.004	0.013	0.790	0.003	82.865	TRUE	3.78E-18
Overall asthma	SLC40A1	rs78783419	A	G	-0.322	0.027	0.029	1.82E-33	-0.031	0.028	0.260	0.005	145.318	TRUE	1.35E-29
Overall asthma	SLC40A1	rs78800852	T	C	-0.265	0.047	0.014	1.29E-08	0.010	0.043	0.820	0.001	32.340	TRUE	6.24E-08
Overall asthma	SLC40A1	rs79413772	T	C	-0.205	0.023	0.043	2.09E-19	0.024	0.019	0.200	0.003	81.150	TRUE	8.25E-17
Overall asthma	SNAP23	rs1197546	A	G	0.110	0.013	0.139	2.40E-18	0.021	0.014	0.130	0.002	76.327	TRUE	1.22E-15
Overall asthma	SNAP23	rs12908611	C	T	-0.074	0.012	0.228	4.85E-10	-0.014	0.011	0.220	0.001	38.733	TRUE	1.64E-08
Overall asthma	SNAP23	rs56357092	A	G	0.178	0.010	0.218	8.64E-65	0.033	0.011	0.004	0.009	288.877	TRUE	2.26E-54
Overall asthma	SNAP23	rs6493048	A	G	-0.172	0.021	0.062	5.27E-16	0.003	0.022	0.910	0.002	65.690	TRUE	7.95E-15
Overall asthma	SQLE	rs10103274	G	A	0.238	0.014	0.088	9.04E-65	0.033	0.016	0.045	0.009	288.790	TRUE	4.37E-56
Overall asthma	SQLE	rs55742759	A	G	0.064	0.010	0.225	1.98E-11	0.031	0.012	0.009	0.001	44.989	TRUE	8.53E-09

Overall asthma	SQLE	rs7018326	G	A	0.105	0.016	0.069	2.43E-11	-0.008	0.017	0.660	0.001	44.585	TRUE	2.86E-10
Overall asthma	SQLE	rs7821961	G	C	0.071	0.012	0.122	7.50E-09	-0.007	0.015	0.660	0.001	33.400	TRUE	5.16E-08
Overall asthma	STEAP3	rs111867171	A	G	-0.303	0.033	0.024	2.54E-20	-0.012	0.025	0.640	0.003	85.317	TRUE	1.97E-18
Overall asthma	STEAP3	rs112839786	G	A	0.222	0.029	0.022	9.23E-15	0.072	0.031	0.021	0.002	60.049	TRUE	8.48E-12
Overall asthma	STEAP3	rs112921483	T	C	-0.399	0.028	0.022	9.95E-46	0.064	0.030	0.035	0.006	201.462	TRUE	4.64E-39
Overall asthma	STEAP3	rs113808029	T	C	-0.374	0.028	0.023	7.60E-40	-0.068	0.039	0.081	0.005	174.515	TRUE	2.01E-34
Overall asthma	STEAP3	rs114830995	A	G	-0.166	0.025	0.029	2.45E-11	-0.015	0.028	0.600	0.001	44.574	TRUE	3.36E-10
Overall asthma	STEAP3	rs115296205	A	T	0.291	0.032	0.016	2.75E-19	0.024	0.040	0.540	0.003	80.603	TRUE	2.30E-17
Overall asthma	STEAP3	rs115704924	A	G	-0.301	0.022	0.041	6.81E-44	-0.026	0.020	0.200	0.006	193.052	TRUE	1.05E-38
Overall asthma	STEAP3	rs116426656	G	A	-0.193	0.028	0.024	2.51E-12	0.038	0.028	0.180	0.002	49.036	TRUE	1.85E-10
Overall asthma	STEAP3	rs116462473	C	A	-0.224	0.016	0.074	6.75E-45	-0.009	0.017	0.580	0.006	197.656	TRUE	8.65E-41
Overall asthma	STEAP3	rs11684807	C	G	0.187	0.013	0.111	2.75E-48	0.000	0.015	0.990	0.007	213.189	TRUE	8.94E-45
Overall asthma	STEAP3	rs11686984	C	T	-0.270	0.008	0.355	2.60E-238	-0.032	0.010	0.001	0.033	1086.612	TRUE	7.22E-207
Overall asthma	STEAP3	rs11687793	A	G	0.045	0.008	0.409	4.38E-08	0.001	0.010	0.890	0.001	29.971	TRUE	1.69E-07
Overall asthma	STEAP3	rs12619212	T	C	0.093	0.012	0.119	4.21E-14	0.011	0.015	0.470	0.002	57.062	TRUE	1.53E-12
Overall asthma	STEAP3	rs12992814	A	G	0.211	0.010	0.210	4.14E-103	-0.006	0.012	0.610	0.014	464.864	TRUE	5.12E-94
Overall asthma	STEAP3	rs13026971	T	G	0.151	0.027	0.027	1.47E-08	-0.010	0.025	0.700	0.001	32.086	TRUE	8.81E-08
Overall asthma	STEAP3	rs13027072	T	C	0.281	0.030	0.023	2.55E-21	0.039	0.027	0.150	0.003	89.861	TRUE	2.51E-18
Overall asthma	STEAP3	rs145409843	C	T	0.191	0.031	0.023	5.13E-10	0.043	0.032	0.190	0.001	38.626	TRUE	1.92E-08
Overall asthma	STEAP3	rs145662761	A	G	-0.327	0.035	0.018	7.77E-21	-0.014	0.038	0.720	0.003	87.656	TRUE	5.10E-19
Overall asthma	STEAP3	rs146138533	A	G	0.282	0.044	0.014	1.50E-10	-0.004	0.035	0.920	0.001	41.032	TRUE	8.36E-10
Overall asthma	STEAP3	rs146790467	T	C	0.201	0.036	0.015	2.19E-08	-0.017	0.033	0.610	0.001	31.318	TRUE	1.54E-07
Overall asthma	STEAP3	rs148037128	T	C	-0.240	0.040	0.014	1.28E-09	0.017	0.045	0.710	0.001	36.845	TRUE	9.43E-09
Overall asthma	STEAP3	rs150419274	T	C	0.233	0.027	0.029	5.16E-18	0.021	0.026	0.400	0.002	74.815	TRUE	5.24E-16
Overall asthma	STEAP3	rs17804991	A	G	0.329	0.020	0.044	7.35E-64	0.017	0.023	0.450	0.009	284.611	TRUE	9.57E-58
Overall asthma	STEAP3	rs17805141	T	C	0.302	0.018	0.055	5.99E-66	-0.001	0.021	0.950	0.009	294.199	TRUE	5.91E-61
Overall asthma	STEAP3	rs185290782	A	C	-0.672	0.114	0.017	3.75E-09	0.049	0.074	0.510	0.001	34.746	TRUE	3.91E-08
Overall asthma	STEAP3	rs2077344	T	C	-0.062	0.008	0.382	3.67E-14	0.007	0.010	0.510	0.002	57.335	TRUE	1.17E-12
Overall asthma	STEAP3	rs2579604	C	A	0.063	0.009	0.314	5.23E-13	0.013	0.010	0.200	0.002	52.114	TRUE	4.20E-11
Overall asthma	STEAP3	rs2918939	A	G	-0.126	0.012	0.127	5.57E-26	0.010	0.015	0.490	0.003	111.115	TRUE	2.23E-23
Overall asthma	STEAP3	rs35946475	C	T	0.293	0.008	0.349	1.13E-267	0.000	0.010	0.990	0.037	1221.699	TRUE	4.25E-245
Overall asthma	STEAP3	rs4491733	G	A	-0.092	0.009	0.258	3.93E-24	0.025	0.011	0.025	0.003	102.679	TRUE	6.48E-20
Overall asthma	STEAP3	rs45581234	G	A	-0.314	0.025	0.029	1.75E-36	0.018	0.025	0.480	0.005	159.123	TRUE	7.34E-33
Overall asthma	STEAP3	rs55790807	A	C	-0.291	0.050	0.013	5.18E-09	0.028	0.043	0.510	0.001	34.117	TRUE	5.14E-08
Overall asthma	STEAP3	rs55939412	T	C	-0.134	0.014	0.099	3.04E-22	0.021	0.016	0.180	0.003	94.068	TRUE	2.75E-19
Overall asthma	STEAP3	rs62157374	A	G	0.179	0.026	0.031	4.48E-12	-0.007	0.030	0.820	0.002	47.900	TRUE	4.10E-11
Overall asthma	STEAP3	rs62157444	T	G	-0.147	0.014	0.097	1.69E-27	-0.040	0.016	0.010	0.004	118.044	TRUE	1.40E-22
Overall asthma	STEAP3	rs62158468	T	C	0.244	0.026	0.029	1.17E-20	-0.005	0.026	0.860	0.003	86.842	TRUE	4.71E-19
Overall asthma	STEAP3	rs62158529	A	G	-0.249	0.043	0.013	5.40E-09	0.042	0.035	0.230	0.001	34.038	TRUE	1.21E-07
Overall asthma	STEAP3	rs62159588	A	G	-0.136	0.009	0.321	5.79E-57	-0.013	0.010	0.200	0.008	252.974	TRUE	1.78E-50
Overall asthma	STEAP3	rs6741215	A	G	-0.070	0.008	0.326	2.45E-16	-0.004	0.010	0.680	0.002	67.196	TRUE	7.67E-15
Overall asthma	STEAP3	rs72829483	G	A	-0.185	0.010	0.224	5.13E-84	0.004	0.011	0.730	0.012	377.152	TRUE	6.54E-77

Overall asthma	STEAP3	rs72833274	A	G	0.116	0.017	0.061	2.84E-12	0.009	0.018	0.610	0.002	48.792	TRUE	4.55E-11
Overall asthma	STEAP3	rs73948629	C	T	-0.324	0.038	0.017	6.25E-18	0.012	0.042	0.780	0.002	74.434	TRUE	1.94E-16
Overall asthma	STEAP3	rs73948632	A	G	0.178	0.014	0.085	8.38E-36	0.023	0.018	0.210	0.005	156.011	TRUE	1.82E-31
Overall asthma	STEAP3	rs74264760	T	C	0.125	0.011	0.175	1.28E-32	-0.001	0.013	0.970	0.004	141.449	TRUE	2.97E-30
Overall asthma	STEAP3	rs75360780	A	C	-0.416	0.013	0.099	1.28E-212	-0.022	0.015	0.150	0.030	968.409	TRUE	3.74E-190
Overall asthma	STEAP3	rs75467150	A	G	-0.281	0.022	0.037	7.83E-37	-0.033	0.025	0.180	0.005	160.722	TRUE	2.48E-32
Overall asthma	STEAP3	rs7581339	T	C	0.329	0.014	0.081	5.60E-114	0.004	0.018	0.800	0.016	514.815	TRUE	1.30E-104
Overall asthma	STEAP3	rs76769390	G	A	-0.146	0.018	0.054	3.66E-16	0.003	0.020	0.890	0.002	66.408	TRUE	6.01E-15
Overall asthma	STEAP3	rs79158537	T	A	0.208	0.017	0.059	4.96E-35	0.016	0.020	0.410	0.005	152.479	TRUE	1.98E-31
Overall asthma	STEAP3	rs79311189	T	C	0.189	0.023	0.036	5.96E-16	0.044	0.032	0.170	0.002	65.448	TRUE	1.22E-13
Overall asthma	STEAP3	rs79376831	T	C	0.249	0.032	0.020	5.02E-15	0.021	0.027	0.430	0.002	61.249	TRUE	2.44E-13
Overall asthma	STEAP3	rs80004304	A	G	-0.220	0.039	0.015	1.35E-08	0.006	0.032	0.840	0.001	32.256	TRUE	6.20E-08
Overall asthma	STEAP3	rs838060	G	A	-0.318	0.008	0.490	0.00E+00	-0.011	0.010	0.240	0.043	1434.592	TRUE	5.10E-282
Overall asthma	STK25	rs12476462	G	A	0.057	0.010	0.185	1.93E-08	-0.008	0.012	0.520	0.001	31.560	TRUE	1.66E-07
Overall asthma	STK25	rs138807997	G	A	-0.172	0.027	0.035	8.58E-11	0.043	0.023	0.068	0.001	42.117	TRUE	9.40E-09
Overall asthma	STK25	rs4675917	C	T	-0.084	0.009	0.303	1.56E-21	0.042	0.011	6.50E-05	0.003	90.834	TRUE	3.98E-16
Overall asthma	STK25	rs886809	G	A	-0.115	0.010	0.221	4.98E-33	0.037	0.012	0.002	0.005	143.321	TRUE	1.22E-26
Overall asthma	STK3	rs10955187	T	G	0.051	0.008	0.334	1.26E-09	-0.021	0.010	0.039	0.001	36.869	TRUE	1.31E-07
Overall asthma	STK3	rs11998193	A	T	-0.122	0.021	0.039	3.45E-09	0.003	0.023	0.890	0.001	34.907	TRUE	1.60E-08
Overall asthma	STK3	rs4602858	C	T	-0.084	0.015	0.073	3.87E-08	0.006	0.018	0.730	0.001	30.211	TRUE	2.05E-07
Overall asthma	TAB2	rs117578942	T	G	-0.230	0.037	0.018	5.96E-10	-0.049	0.034	0.160	0.001	38.331	TRUE	2.55E-08
Overall asthma	TAB2	rs577001	T	C	-0.052	0.008	0.372	2.90E-10	0.015	0.010	0.130	0.001	39.735	TRUE	1.50E-08
Overall asthma	TAB2	rs62425952	T	C	-0.165	0.010	0.175	2.23E-56	0.027	0.013	0.035	0.008	250.286	TRUE	1.35E-48
Overall asthma	TAB2	rs72555848	C	A	-0.108	0.014	0.083	9.17E-14	0.016	0.018	0.370	0.002	55.535	TRUE	4.14E-12
Overall asthma	TAB2	rs75912148	T	C	-0.063	0.011	0.169	2.76E-09	0.029	0.013	0.029	0.001	35.343	TRUE	3.06E-07
Overall asthma	TAB2	rs7748981	G	T	0.063	0.008	0.339	5.56E-14	-0.028	0.010	0.006	0.002	56.517	TRUE	9.25E-11
Overall asthma	TAB2	rs9718306	T	C	0.045	0.008	0.385	4.12E-08	-0.004	0.010	0.660	0.001	30.090	TRUE	2.43E-07
Overall asthma	TF	rs116193908	G	A	0.159	0.016	0.065	1.98E-22	0.024	0.018	0.190	0.003	94.916	TRUE	1.98E-19
Overall asthma	TF	rs12634591	C	T	-0.205	0.012	0.126	6.67E-65	-0.042	0.016	0.010	0.009	289.397	TRUE	3.68E-55
Overall asthma	TF	rs12634950	C	T	-0.131	0.020	0.042	1.01E-10	-0.044	0.025	0.081	0.001	41.793	TRUE	9.09E-09
Overall asthma	TF	rs142806017	G	A	-0.176	0.029	0.021	1.12E-09	-0.075	0.032	0.018	0.001	37.096	TRUE	1.70E-07
Overall asthma	TF	rs9881405	T	G	0.059	0.010	0.230	6.31E-10	0.019	0.011	0.075	0.001	38.222	TRUE	4.16E-08
Overall asthma	TGFBR1	rs1013186	T	C	-0.164	0.010	0.186	1.19E-57	0.027	0.012	0.025	0.008	256.125	TRUE	2.01E-49
Overall asthma	TGFBR1	rs10988691	A	G	0.141	0.017	0.064	3.42E-16	-0.022	0.019	0.240	0.002	66.539	TRUE	4.79E-14
Overall asthma	TGFBR1	rs10988748	T	C	-0.105	0.015	0.081	5.60E-13	0.012	0.017	0.460	0.002	51.980	TRUE	1.49E-11
Overall asthma	TGFBR1	rs41283642	T	C	0.431	0.026	0.031	6.59E-61	-0.120	0.026	2.50E-06	0.008	271.066	TRUE	3.73E-48
Overall asthma	TGFBR1	rs62561174	A	C	0.054	0.009	0.265	2.20E-09	0.002	0.011	0.890	0.001	35.782	TRUE	1.06E-08
Overall asthma	TGFBR1	rs928522	T	C	-0.119	0.011	0.144	1.12E-25	0.018	0.014	0.190	0.003	109.728	TRUE	2.21E-22
Overall asthma	TP73	rs1885864	T	C	-0.065	0.012	0.218	4.66E-08	0.024	0.011	0.038	0.001	29.851	TRUE	3.02E-06
Overall asthma	TRAF1	rs10739574	A	G	-0.182	0.013	0.108	5.31E-46	0.026	0.015	0.093	0.006	202.714	TRUE	6.35E-40
Overall asthma	TRAF1	rs10818511	A	G	0.095	0.009	0.439	1.27E-28	-0.007	0.010	0.490	0.004	123.176	TRUE	9.46E-26
Overall asthma	TRAF1	rs117479719	G	A	-0.240	0.025	0.030	1.54E-22	-0.041	0.025	0.110	0.003	95.416	TRUE	3.36E-19

Overall asthma	TRAF1	rs11791407	T	G	0.123	0.018	0.057	1.20E-11	0.004	0.019	0.830	0.001	45.965	TRUE	9.98E-11
Overall asthma	TRAF1	rs1359329	A	G	-0.157	0.011	0.161	4.42E-48	0.006	0.013	0.630	0.007	212.241	TRUE	8.22E-44
Overall asthma	TRAF1	rs16910132	A	G	-0.142	0.025	0.026	1.59E-08	0.025	0.035	0.490	0.001	31.943	TRUE	1.54E-07
Overall asthma	TRAF1	rs4310279	G	A	-0.208	0.009	0.267	2.86E-120	0.024	0.011	0.030	0.017	543.733	TRUE	2.53E-105
Overall asthma	TRAF1	rs56181955	C	T	-0.205	0.023	0.032	1.49E-18	0.010	0.027	0.720	0.002	77.273	TRUE	6.14E-17
Overall asthma	TRAF1	rs62578445	G	A	-0.114	0.019	0.046	3.03E-09	0.030	0.022	0.180	0.001	35.160	TRUE	9.34E-08
Overall asthma	TRAF1	rs62578446	A	G	0.102	0.014	0.092	9.95E-14	-0.006	0.015	0.710	0.002	55.374	TRUE	1.65E-12
Overall asthma	TRAF1	rs62581708	C	A	-0.097	0.010	0.215	1.01E-23	0.016	0.011	0.150	0.003	100.803	TRUE	1.90E-20
Overall asthma	TRAF1	rs74959736	A	G	0.059	0.011	0.178	2.79E-08	0.005	0.012	0.700	0.001	30.845	TRUE	1.57E-07
Overall asthma	TRAF1	rs77565290	T	C	-0.179	0.016	0.066	1.10E-27	0.010	0.019	0.590	0.004	118.889	TRUE	4.24E-25
Overall asthma	TRAF1	rs79354013	C	A	-0.433	0.041	0.016	1.25E-25	0.005	0.041	0.900	0.003	109.509	TRUE	1.06E-23
Overall asthma	TRAF1	rs79660366	C	T	-0.154	0.020	0.045	3.73E-15	0.017	0.021	0.400	0.002	61.835	TRUE	1.99E-13
Overall asthma	TRAF1	rs80241890	A	G	-0.119	0.016	0.070	2.41E-13	0.006	0.025	0.820	0.002	53.635	TRUE	2.78E-12
Overall asthma	TRIAP1	rs139052082	T	C	0.108	0.016	0.066	3.66E-11	-0.050	0.021	0.016	0.001	43.788	TRUE	1.03E-08
Overall asthma	TRIM8	rs111496314	A	G	0.213	0.032	0.017	2.29E-11	-0.045	0.036	0.210	0.001	44.702	TRUE	1.08E-09
Overall asthma	TRIM8	rs111604275	T	C	0.163	0.021	0.048	4.59E-15	-0.055	0.023	0.016	0.002	61.424	TRUE	5.33E-12
Overall asthma	TRIM8	rs11191296	C	G	-0.140	0.012	0.120	1.98E-29	0.011	0.016	0.490	0.004	126.859	TRUE	1.73E-26
Overall asthma	TRIM8	rs11593244	C	T	-0.057	0.009	0.334	3.07E-11	0.009	0.010	0.350	0.001	44.129	TRUE	8.11E-10
Overall asthma	TRIM8	rs11595170	T	C	-0.236	0.008	0.441	2.13E-191	0.023	0.010	0.015	0.027	870.796	TRUE	4.36E-168
Overall asthma	TRIM8	rs117169851	A	G	-0.146	0.023	0.031	4.23E-10	-0.010	0.024	0.670	0.001	39.002	TRUE	3.66E-09
Overall asthma	TRIM8	rs117793008	G	A	-0.121	0.017	0.057	4.18E-12	0.017	0.019	0.360	0.002	48.033	TRUE	1.29E-10
Overall asthma	TRIM8	rs12572855	T	C	0.240	0.033	0.019	2.56E-13	0.056	0.044	0.210	0.002	53.517	TRUE	2.13E-11
Overall asthma	TRIM8	rs12765060	A	G	0.184	0.032	0.021	8.56E-09	0.007	0.025	0.790	0.001	33.141	TRUE	4.50E-08
Overall asthma	TRIM8	rs139834723	A	G	-0.200	0.028	0.027	5.96E-13	0.059	0.025	0.017	0.002	51.857	TRUE	3.11E-10
Overall asthma	TRIM8	rs140353411	T	C	-0.160	0.025	0.029	1.71E-10	0.034	0.028	0.230	0.001	40.771	TRUE	5.96E-09
Overall asthma	TRIM8	rs150201993	A	G	-0.190	0.033	0.020	6.66E-09	0.025	0.028	0.370	0.001	33.631	TRUE	9.25E-08
Overall asthma	TRIM8	rs1572530	A	G	-0.062	0.010	0.229	9.71E-11	-0.007	0.011	0.570	0.001	41.876	TRUE	1.29E-09
Overall asthma	TRIM8	rs3014187	A	G	-0.071	0.010	0.213	5.51E-13	0.011	0.011	0.360	0.002	52.010	TRUE	2.54E-11
Overall asthma	TRIM8	rs35756290	A	G	0.144	0.009	0.285	2.96E-59	-0.018	0.011	0.096	0.008	263.486	TRUE	6.15E-52
Overall asthma	TRIM8	rs4917389	T	C	0.118	0.012	0.143	1.14E-24	-0.013	0.013	0.340	0.003	105.138	TRUE	8.31E-22
Overall asthma	TRIM8	rs55932369	T	C	-0.170	0.021	0.049	3.29E-16	-0.031	0.028	0.280	0.002	66.617	TRUE	4.16E-14
Overall asthma	TRIM8	rs55994728	T	A	-0.099	0.010	0.202	1.48E-22	0.026	0.011	0.020	0.003	95.494	TRUE	1.88E-18
Overall asthma	TRIM8	rs7086205	C	T	0.102	0.011	0.150	1.15E-19	-0.007	0.013	0.610	0.003	82.321	TRUE	8.24E-18
Overall asthma	TRIM8	rs75779120	A	G	0.130	0.017	0.059	3.28E-14	-0.013	0.020	0.540	0.002	57.556	TRUE	1.03E-12
Overall asthma	TRIM8	rs76698826	G	A	0.131	0.022	0.034	4.66E-09	0.014	0.028	0.610	0.001	34.324	TRUE	3.71E-08
Overall asthma	TRIM8	rs78837000	T	C	0.171	0.028	0.027	1.00E-09	0.005	0.031	0.870	0.001	37.315	TRUE	5.39E-09
Overall asthma	UNC13D	rs113062332	A	G	-0.151	0.024	0.032	1.40E-10	-0.010	0.026	0.710	0.001	41.160	TRUE	1.24E-09
Overall asthma	UNC13D	rs146775727	T	C	-0.199	0.036	0.018	3.69E-08	0.016	0.034	0.640	0.001	30.305	TRUE	2.32E-07
Overall asthma	UNC13D	rs147677775	A	G	-0.253	0.025	0.027	2.18E-24	0.038	0.028	0.170	0.003	103.842	TRUE	3.78E-21
Overall asthma	UNC13D	rs2244377	A	G	-0.090	0.009	0.317	4.87E-26	0.030	0.010	0.003	0.004	111.380	TRUE	9.31E-21
Overall asthma	UNC13D	rs2290769	C	G	-0.244	0.010	0.200	4.28E-135	0.049	0.011	1.20E-05	0.019	611.883	TRUE	1.90E-112
Overall asthma	UNC13D	rs2305347	T	C	-0.063	0.011	0.166	6.07E-09	0.028	0.013	0.025	0.001	33.810	TRUE	5.31E-07

Overall asthma	UNC13D	rs2444842	A	G	-0.079	0.012	0.183	3.46E-11	-0.006	0.013	0.630	0.001	43.893	TRUE	4.16E-10
Overall asthma	UNC13D	rs55853884	T	C	0.117	0.021	0.042	2.60E-08	-0.004	0.024	0.880	0.001	30.983	TRUE	1.05E-07
Overall asthma	UNC13D	rs9915313	T	G	-0.071	0.011	0.259	1.56E-10	0.024	0.010	0.024	0.001	40.947	TRUE	3.58E-08
Overall asthma	UNC13D	rs9916685	A	G	0.258	0.019	0.050	6.54E-41	-0.013	0.024	0.590	0.006	179.394	TRUE	3.71E-37
Overall asthma	USP28	rs11214684	T	C	0.065	0.009	0.311	4.72E-14	-0.010	0.010	0.350	0.002	56.839	TRUE	2.72E-12
Overall asthma	USP28	rs73004065	A	T	-0.122	0.013	0.097	8.10E-20	0.031	0.014	0.029	0.003	83.019	TRUE	3.09E-16
Overall asthma	USP47	rs1038909	C	A	-0.057	0.008	0.357	4.03E-12	-0.017	0.011	0.110	0.002	48.105	TRUE	3.90E-10
Overall asthma	USP47	rs11022069	T	C	0.192	0.026	0.027	7.58E-14	-0.009	0.032	0.790	0.002	55.908	TRUE	1.06E-12
Overall asthma	USP47	rs11022129	C	T	-0.055	0.010	0.247	9.26E-09	-0.004	0.011	0.740	0.001	32.989	TRUE	5.47E-08
Overall asthma	USP47	rs113049809	A	C	0.211	0.025	0.029	1.14E-17	0.026	0.021	0.220	0.002	73.242	TRUE	2.76E-15
Overall asthma	USP47	rs113923589	A	G	-0.113	0.015	0.073	2.11E-13	-0.002	0.020	0.930	0.002	53.896	TRUE	1.88E-12
Overall asthma	USP47	rs12225759	A	G	-0.071	0.009	0.307	1.74E-16	-0.024	0.011	0.025	0.002	67.874	TRUE	2.15E-13
Overall asthma	USP47	rs12364991	T	C	0.072	0.012	0.121	5.48E-09	-0.003	0.014	0.840	0.001	34.010	TRUE	2.71E-08
Overall asthma	USP47	rs12790090	C	G	0.055	0.009	0.278	6.96E-10	0.015	0.011	0.160	0.001	38.029	TRUE	2.59E-08
Overall asthma	USP47	rs1840460	A	G	-0.159	0.010	0.177	1.07E-52	-0.033	0.013	0.008	0.007	233.415	TRUE	1.46E-44
Overall asthma	USP47	rs1979687	G	A	0.207	0.008	0.402	1.03E-146	0.021	0.010	0.028	0.021	665.298	TRUE	5.69E-129
Overall asthma	USP47	rs2403557	A	G	-0.088	0.009	0.302	1.44E-24	-0.008	0.011	0.460	0.003	104.667	TRUE	5.03E-22
Overall asthma	USP47	rs6485205	T	C	0.128	0.018	0.050	1.98E-12	-0.001	0.022	0.960	0.002	49.503	TRUE	1.38E-11
Overall asthma	USP47	rs7106297	A	G	-0.104	0.009	0.230	3.62E-28	-0.016	0.011	0.160	0.004	121.103	TRUE	2.09E-24
Overall asthma	USP47	rs7128195	T	C	0.092	0.014	0.086	1.06E-10	-0.018	0.016	0.240	0.001	41.713	TRUE	3.37E-09
Overall asthma	USP47	rs72868797	G	A	0.159	0.028	0.025	1.01E-08	0.037	0.027	0.160	0.001	32.822	TRUE	2.69E-07
Overall asthma	USP47	rs75672126	A	G	-0.215	0.022	0.034	3.44E-22	0.004	0.024	0.860	0.003	93.824	TRUE	1.80E-20
Overall asthma	USP47	rs77633337	T	C	0.207	0.026	0.026	3.64E-15	0.008	0.030	0.790	0.002	61.879	TRUE	6.31E-14
Overall asthma	VDAC2	rs11001335	T	C	-0.088	0.015	0.080	1.34E-08	-0.009	0.017	0.590	0.001	32.270	TRUE	1.01E-07
Overall asthma	VDAC2	rs1259604	G	A	0.060	0.009	0.367	3.59E-12	-0.011	0.010	0.260	0.002	48.336	TRUE	1.64E-10
Overall asthma	YWHAQ	rs10929608	C	A	0.277	0.014	0.307	2.91E-86	-0.023	0.011	0.030	0.012	387.469	TRUE	3.46E-75
Overall asthma	YWHAQ	rs11689299	T	C	-0.118	0.014	0.354	8.10E-18	-0.009	0.010	0.370	0.002	73.924	TRUE	1.01E-15
Overall asthma	YWHAQ	rs12474379	G	T	-0.116	0.019	0.139	1.06E-09	-0.013	0.013	0.330	0.001	37.215	TRUE	2.12E-08
Overall asthma	YWHAQ	rs12619452	A	G	0.111	0.015	0.274	1.55E-13	-0.022	0.011	0.045	0.002	54.499	TRUE	5.21E-11
Overall asthma	ZKSCAN3	rs116860142	A	G	0.158	0.027	0.026	7.96E-09	0.016	0.031	0.610	0.001	33.284	TRUE	6.17E-08
Overall asthma	ZKSCAN3	rs11966042	G	A	-0.545	0.041	0.016	1.22E-40	0.045	0.059	0.450	0.006	178.158	TRUE	1.40E-36
Overall asthma	ZKSCAN3	rs144600472	T	C	0.205	0.032	0.021	1.46E-10	0.008	0.044	0.860	0.001	41.085	TRUE	9.33E-10
Overall asthma	ZKSCAN3	rs150027890	A	G	0.292	0.023	0.041	2.51E-36	0.009	0.023	0.680	0.005	158.408	TRUE	3.70E-33
Overall asthma	ZKSCAN3	rs213230	G	A	0.264	0.010	0.231	3.06E-148	0.033	0.011	0.002	0.021	672.317	TRUE	5.84E-128
Overall asthma	ZKSCAN3	rs2294309	G	T	-0.066	0.009	0.381	1.79E-13	-0.010	0.010	0.340	0.002	54.222	TRUE	8.62E-12
Overall asthma	ZKSCAN3	rs2859370	T	C	-0.227	0.015	0.089	9.51E-51	-0.019	0.017	0.280	0.007	224.468	TRUE	3.53E-45
Overall asthma	ZKSCAN3	rs45530534	T	C	-0.258	0.044	0.017	3.34E-09	0.005	0.046	0.920	0.001	34.973	TRUE	1.46E-08
Overall asthma	ZKSCAN3	rs62401437	A	G	-0.065	0.010	0.284	2.21E-10	-0.025	0.011	0.022	0.001	40.266	TRUE	3.94E-08
Overall asthma	ZKSCAN3	rs9366714	C	T	0.201	0.026	0.031	3.62E-14	0.003	0.032	0.930	0.002	57.362	TRUE	3.66E-13
Overall asthma	ZMPSTE24	rs2076697	C	T	-0.149	0.015	0.074	7.30E-23	-0.005	0.018	0.800	0.003	96.889	TRUE	5.40E-21
Overall asthma	ZMPSTE24	rs209598	A	G	0.064	0.008	0.465	6.93E-16	-0.001	0.010	0.920	0.002	65.150	TRUE	9.78E-15
Overall asthma	ZMPSTE24	rs2284447	T	G	-0.112	0.017	0.067	2.08E-11	-0.007	0.021	0.740	0.001	44.895	TRUE	2.03E-10

Overall asthma	ZMPSTE24	rs453270	A	G	-0.096	0.015	0.080	7.13E-11	0.032	0.017	0.065	0.001	42.479	TRUE	8.19E-09
Overall asthma	ZMPSTE24	rs579245	T	C	-0.052	0.008	0.486	7.27E-11	-0.015	0.010	0.120	0.001	42.443	TRUE	4.97E-09
Overall asthma	ZMPSTE24	rs6600323	A	G	-0.128	0.008	0.436	8.47E-58	-0.019	0.010	0.047	0.008	256.803	TRUE	4.98E-50
Overall asthma	ZMPSTE24	rs6676644	C	T	0.081	0.013	0.105	3.93E-10	0.030	0.015	0.049	0.001	39.143	TRUE	4.22E-08
Overall asthma	ZMPSTE24	rs7524958	A	G	-0.080	0.011	0.157	3.18E-13	-0.017	0.014	0.240	0.002	53.088	TRUE	2.32E-11
Overall asthma	ZMPSTE24	rs80053778	A	G	-0.123	0.019	0.045	1.51E-10	-0.043	0.021	0.043	0.001	41.011	TRUE	2.02E-08
Allergic asthma	ABCB9	rs10846525	T	C	0.052	0.008	0.456	1.10E-10	-0.011	0.014	0.416	0.001	41.641	TRUE	5.78E-09
Allergic asthma	ABCB9	rs11057405	A	G	-0.085	0.015	0.084	4.82E-09	-0.007	0.023	0.748	0.001	34.260	TRUE	5.97E-08
Allergic asthma	ABCB9	rs111835289	G	A	0.120	0.019	0.051	3.01E-10	-0.055	0.029	0.053	0.001	39.667	TRUE	1.11E-07
Allergic asthma	ABCB9	rs11608811	A	G	0.290	0.009	0.301	5.43E-251	-0.078	0.015	3.43E-07	0.035	1144.945	TRUE	9.43E-199
Allergic asthma	ABCB9	rs117913606	A	G	-0.149	0.018	0.065	2.66E-16	0.067	0.026	0.008	0.002	67.032	TRUE	6.88E-12
Allergic asthma	ABCB9	rs12810157	A	G	0.283	0.029	0.027	3.66E-22	-0.070	0.049	0.150	0.003	93.700	TRUE	4.71E-18
Allergic asthma	ABCB9	rs12816396	T	A	0.089	0.011	0.165	2.22E-16	-0.034	0.017	0.047	0.002	67.397	TRUE	1.32E-12
Allergic asthma	ABCB9	rs1662	A	G	-0.099	0.008	0.370	5.02E-33	0.007	0.014	0.596	0.005	143.305	TRUE	1.01E-28
Allergic asthma	ABCB9	rs2154	G	A	0.192	0.016	0.075	4.44E-33	-0.016	0.019	0.384	0.005	143.550	TRUE	3.18E-28
Allergic asthma	ABCB9	rs28873419	G	T	0.181	0.027	0.026	9.00E-12	-0.057	0.042	0.178	0.001	46.532	TRUE	2.04E-09
Allergic asthma	ABCB9	rs34484751	C	A	0.326	0.025	0.030	1.13E-39	-0.126	0.051	0.014	0.005	173.717	TRUE	3.14E-31
Allergic asthma	ABCB9	rs34944476	T	C	0.078	0.012	0.192	4.39E-11	-0.033	0.019	0.080	0.001	43.428	TRUE	1.66E-08
Allergic asthma	ABCB9	rs496911	A	G	-0.067	0.008	0.380	7.53E-16	-0.020	0.014	0.149	0.002	64.985	TRUE	9.83E-13
Allergic asthma	ABCB9	rs580063	C	T	0.066	0.010	0.204	2.56E-11	-0.003	0.017	0.863	0.001	44.483	TRUE	4.42E-10
Allergic asthma	ABCB9	rs61953572	C	T	0.111	0.019	0.112	3.09E-09	-0.068	0.027	0.010	0.001	35.127	TRUE	2.03E-06
Allergic asthma	ABCB9	rs61955270	A	G	-0.146	0.019	0.053	4.77E-14	0.023	0.030	0.440	0.002	56.821	TRUE	6.87E-12
Allergic asthma	ABCB9	rs7297888	T	C	0.189	0.021	0.044	3.37E-20	0.021	0.041	0.602	0.003	84.757	TRUE	1.65E-17
Allergic asthma	ABCB9	rs73230058	T	C	-0.129	0.014	0.111	4.16E-21	0.021	0.019	0.272	0.003	88.893	TRUE	1.40E-17
Allergic asthma	ABCB9	rs75707827	G	A	-0.081	0.014	0.329	1.31E-08	0.043	0.014	0.003	0.001	32.319	TRUE	1.18E-05
Allergic asthma	ABCB9	rs76573394	T	C	0.302	0.024	0.034	2.08E-35	-0.141	0.044	0.001	0.005	154.201	TRUE	1.45E-26
Allergic asthma	ABCB9	rs77064381	C	T	-0.137	0.018	0.061	3.37E-14	-0.026	0.030	0.391	0.002	57.504	TRUE	6.20E-12
Allergic asthma	ABCB9	rs77983490	A	G	0.328	0.034	0.019	1.84E-21	-0.210	0.067	0.002	0.003	90.503	TRUE	1.96E-15
Allergic asthma	ABCB9	rs7953894	A	C	-0.107	0.008	0.498	1.29E-37	0.051	0.014	1.70E-04	0.005	164.310	TRUE	1.93E-27
Allergic asthma	ABCB9	rs79739600	G	A	-0.086	0.014	0.101	3.62E-10	-0.005	0.024	0.837	0.001	39.306	TRUE	4.91E-09
Allergic asthma	ABL1	rs35993820	A	G	0.196	0.030	0.021	1.01E-10	0.097	0.040	0.016	0.001	41.791	TRUE	1.11E-07
Allergic asthma	ACTB	rs4296949	C	T	-0.105	0.019	0.337	1.79E-08	-0.032	0.014	0.026	0.001	31.711	TRUE	4.65E-06
Allergic asthma	AGA	rs11131792	C	T	-0.159	0.012	0.137	7.50E-43	0.003	0.019	0.864	0.006	188.283	TRUE	5.40E-38
Allergic asthma	AGA	rs11131824	A	G	0.075	0.008	0.449	6.47E-21	0.007	0.014	0.620	0.003	88.017	TRUE	3.62E-18
Allergic asthma	AGA	rs11131832	T	C	-0.170	0.018	0.052	4.01E-21	-0.008	0.031	0.802	0.003	88.964	TRUE	1.16E-18
Allergic asthma	AGA	rs111382190	G	A	0.217	0.024	0.029	5.56E-19	-0.005	0.058	0.930	0.002	79.212	TRUE	5.73E-17
Allergic asthma	AGA	rs112402098	T	G	0.351	0.030	0.023	2.97E-32	-0.014	0.031	0.664	0.004	139.774	TRUE	3.39E-28
Allergic asthma	AGA	rs114305422	G	A	0.317	0.037	0.016	2.72E-17	0.053	0.067	0.431	0.002	71.530	TRUE	1.14E-14
Allergic asthma	AGA	rs114359918	A	G	0.132	0.024	0.031	2.83E-08	0.004	0.035	0.914	0.001	30.818	TRUE	1.94E-07
Allergic asthma	AGA	rs114857726	T	C	-0.291	0.027	0.026	1.24E-27	-0.093	0.072	0.199	0.004	118.659	TRUE	6.53E-23
Allergic asthma	AGA	rs115280927	A	G	-0.451	0.083	0.015	4.67E-08	-0.077	0.141	0.584	0.001	29.849	TRUE	6.45E-07
Allergic asthma	AGA	rs11725264	C	T	0.242	0.030	0.020	2.99E-16	-0.004	0.053	0.939	0.002	66.803	TRUE	1.49E-14

Allergic asthma	AGA	rs11935183	G	T	0.068	0.012	0.128	1.14E-08	0.005	0.020	0.784	0.001	32.586	TRUE	1.17E-07
Allergic asthma	AGA	rs11939187	T	C	0.080	0.008	0.342	2.32E-21	0.022	0.014	0.110	0.003	90.043	TRUE	3.53E-17
Allergic asthma	AGA	rs12499096	G	A	0.510	0.008	0.307	0.00E+00	-0.017	0.015	0.259	0.110	3906.124	TRUE	0.00E+00
Allergic asthma	AGA	rs12512186	C	T	0.118	0.009	0.303	3.01E-42	-0.014	0.015	0.365	0.006	185.514	TRUE	4.05E-36
Allergic asthma	AGA	rs13103027	A	G	0.118	0.008	0.352	6.79E-46	0.002	0.014	0.894	0.006	202.225	TRUE	9.28E-41
Allergic asthma	AGA	rs13107349	T	C	-0.362	0.022	0.038	1.55E-58	0.009	0.041	0.828	0.008	260.180	TRUE	9.27E-52
Allergic asthma	AGA	rs13131254	A	G	0.083	0.008	0.499	1.09E-25	0.007	0.014	0.626	0.003	109.777	TRUE	2.34E-22
Allergic asthma	AGA	rs13141624	C	G	-0.070	0.010	0.218	6.25E-13	-0.014	0.016	0.373	0.002	51.765	TRUE	8.15E-11
Allergic asthma	AGA	rs138418203	G	A	0.575	0.038	0.016	5.55E-52	-0.043	0.052	0.406	0.007	230.127	TRUE	1.00E-44
Allergic asthma	AGA	rs139713684	A	G	-0.705	0.047	0.017	1.81E-51	0.240	0.136	0.077	0.007	227.778	TRUE	2.05E-42
Allergic asthma	AGA	rs140425919	C	A	-0.387	0.032	0.017	2.17E-33	-0.021	0.050	0.675	0.005	144.967	TRUE	3.23E-29
Allergic asthma	AGA	rs143882899	G	A	0.181	0.028	0.023	6.46E-11	0.058	0.044	0.188	0.001	42.675	TRUE	9.87E-09
Allergic asthma	AGA	rs144671353	T	C	-0.567	0.020	0.042	1.25E-171	0.030	0.028	0.280	0.024	779.874	TRUE	6.15E-148
Allergic asthma	AGA	rs1462505	C	T	0.093	0.013	0.113	1.69E-13	-0.026	0.025	0.305	0.002	54.328	TRUE	3.61E-11
Allergic asthma	AGA	rs146343140	A	G	-0.184	0.033	0.023	2.52E-08	-0.083	0.079	0.297	0.001	31.045	TRUE	8.83E-07
Allergic asthma	AGA	rs148456488	A	G	-0.137	0.022	0.037	5.60E-10	0.146	0.061	0.017	0.001	38.453	TRUE	4.01E-07
Allergic asthma	AGA	rs148573108	A	G	-0.265	0.035	0.016	1.76E-14	-0.105	0.085	0.220	0.002	58.782	TRUE	8.34E-12
Allergic asthma	AGA	rs149599100	G	A	0.441	0.025	0.028	6.85E-69	-0.029	0.038	0.434	0.010	307.702	TRUE	1.43E-59
Allergic asthma	AGA	rs151007338	A	G	0.416	0.036	0.017	4.11E-31	-0.012	0.037	0.741	0.004	134.556	TRUE	2.34E-27
Allergic asthma	AGA	rs1510619	T	G	0.048	0.008	0.352	8.74E-09	-0.001	0.014	0.917	0.001	33.102	TRUE	6.78E-08
Allergic asthma	AGA	rs151244651	A	G	-0.510	0.030	0.022	1.11E-63	0.016	0.033	0.621	0.009	283.796	TRUE	1.12E-55
Allergic asthma	AGA	rs17677230	C	T	-0.244	0.024	0.030	1.23E-24	0.061	0.049	0.216	0.003	104.986	TRUE	2.03E-20
Allergic asthma	AGA	rs17739370	T	C	-0.055	0.009	0.402	2.74E-10	-0.033	0.014	0.018	0.001	39.849	TRUE	2.19E-07
Allergic asthma	AGA	rs17740191	A	G	0.276	0.018	0.052	1.40E-50	0.001	0.034	0.978	0.007	223.699	TRUE	4.06E-45
Allergic asthma	AGA	rs181032379	T	C	0.283	0.035	0.019	2.69E-16	0.041	0.034	0.224	0.002	67.013	TRUE	2.38E-13
Allergic asthma	AGA	rs1840280	T	C	-0.288	0.018	0.053	2.68E-57	0.017	0.023	0.447	0.008	254.508	TRUE	1.66E-49
Allergic asthma	AGA	rs188862741	C	A	-0.319	0.049	0.026	5.22E-11	0.008	0.035	0.825	0.001	43.091	TRUE	9.15E-10
Allergic asthma	AGA	rs190931325	A	G	0.231	0.034	0.025	2.06E-11	-0.016	0.070	0.823	0.001	44.906	TRUE	4.06E-10
Allergic asthma	AGA	rs193256145	T	C	0.471	0.048	0.020	2.28E-22	0.043	0.031	0.171	0.003	94.636	TRUE	2.58E-18
Allergic asthma	AGA	rs2048073	A	G	-0.068	0.010	0.209	2.95E-12	0.004	0.016	0.792	0.002	48.717	TRUE	7.97E-11
Allergic asthma	AGA	rs2675993	G	A	-0.058	0.009	0.237	9.44E-10	-0.001	0.015	0.972	0.001	37.435	TRUE	8.22E-09
Allergic asthma	AGA	rs34073757	C	T	-0.079	0.012	0.137	9.41E-11	0.025	0.016	0.118	0.001	41.939	TRUE	2.18E-08
Allergic asthma	AGA	rs34407399	A	G	0.100	0.017	0.064	2.32E-09	-0.049	0.036	0.177	0.001	35.686	TRUE	2.06E-07
Allergic asthma	AGA	rs35156953	T	G	0.090	0.010	0.188	6.34E-18	0.007	0.018	0.701	0.002	74.407	TRUE	1.11E-15
Allergic asthma	AGA	rs3828487	C	A	-0.442	0.010	0.163	0.00E+00	0.029	0.016	0.063	0.053	1778.506	TRUE	0.00E+00
Allergic asthma	AGA	rs4234869	C	T	-0.135	0.011	0.139	5.73E-32	0.015	0.019	0.424	0.004	138.467	TRUE	2.27E-27
Allergic asthma	AGA	rs4690509	A	G	-0.115	0.010	0.368	1.31E-30	0.025	0.014	0.070	0.004	132.256	TRUE	1.15E-24
Allergic asthma	AGA	rs4690512	A	G	0.321	0.010	0.202	3.66E-233	-0.004	0.016	0.822	0.032	1062.922	TRUE	8.20E-205
Allergic asthma	AGA	rs4690588	T	C	-0.105	0.009	0.299	1.37E-33	-0.004	0.014	0.767	0.005	145.877	TRUE	1.36E-29
Allergic asthma	AGA	rs62339449	T	C	0.219	0.035	0.020	2.38E-10	-0.041	0.057	0.471	0.001	40.127	TRUE	9.36E-09
Allergic asthma	AGA	rs62339738	A	G	0.173	0.026	0.028	1.76E-11	-0.001	0.045	0.990	0.001	45.223	TRUE	2.24E-10
Allergic asthma	AGA	rs62341495	A	G	-0.054	0.009	0.244	7.37E-09	-0.019	0.016	0.237	0.001	33.432	TRUE	4.01E-07

Allergic asthma	AGA	rs62344808	G	A	-0.187	0.010	0.185	7.12E-75	-0.010	0.017	0.538	0.010	335.167	TRUE	3.40E-65
Allergic asthma	AGA	rs62345467	G	T	-0.134	0.009	0.263	4.68E-48	-0.016	0.015	0.301	0.007	212.132	TRUE	6.48E-41
Allergic asthma	AGA	rs6552231	C	T	-0.297	0.023	0.034	8.27E-38	-0.019	0.037	0.613	0.005	165.189	TRUE	5.92E-33
Allergic asthma	AGA	rs6832968	G	A	0.563	0.010	0.158	0.00E+00	-0.004	0.018	0.807	0.083	2886.187	TRUE	0.00E+00
Allergic asthma	AGA	rs72702989	G	T	0.286	0.048	0.019	3.34E-09	0.048	0.100	0.630	0.001	34.971	TRUE	5.84E-08
Allergic asthma	AGA	rs72704907	A	G	0.271	0.021	0.036	6.25E-37	0.076	0.057	0.181	0.005	161.168	TRUE	8.73E-31
Allergic asthma	AGA	rs72704984	C	T	0.200	0.011	0.155	3.65E-75	-0.023	0.023	0.323	0.011	336.503	TRUE	1.54E-64
Allergic asthma	AGA	rs72711304	G	T	0.339	0.018	0.051	5.38E-75	-0.035	0.028	0.218	0.010	335.724	TRUE	8.43E-64
Allergic asthma	AGA	rs73865306	T	C	0.273	0.042	0.013	8.66E-11	-0.142	0.096	0.140	0.001	42.099	TRUE	1.72E-08
Allergic asthma	AGA	rs75375461	A	C	-0.124	0.022	0.038	2.34E-08	-0.030	0.028	0.287	0.001	31.190	TRUE	8.61E-07
Allergic asthma	AGA	rs75467014	A	G	-0.373	0.018	0.051	1.25E-95	0.022	0.025	0.381	0.013	430.497	TRUE	1.24E-82
Allergic asthma	AGA	rs76304709	A	G	-0.231	0.022	0.040	1.17E-26	0.000	0.038	0.993	0.004	114.214	TRUE	6.71E-24
Allergic asthma	AGA	rs77222710	A	G	-0.406	0.028	0.024	6.81E-47	0.015	0.040	0.714	0.006	206.800	TRUE	3.45E-41
Allergic asthma	AGA	rs77893458	C	T	0.300	0.034	0.016	7.11E-19	0.007	0.057	0.895	0.002	78.728	TRUE	8.07E-17
Allergic asthma	AGA	rs78275393	T	C	0.188	0.028	0.023	3.51E-11	-0.073	0.041	0.076	0.001	43.869	TRUE	1.45E-08
Allergic asthma	AGA	rs78674336	A	G	0.178	0.024	0.035	1.16E-13	0.011	0.042	0.787	0.002	55.065	TRUE	4.67E-12
Allergic asthma	AGA	rs78710286	T	C	0.339	0.030	0.021	5.90E-29	-0.133	0.073	0.067	0.004	124.699	TRUE	2.99E-23
Allergic asthma	AGA	rs79992919	C	T	-0.560	0.039	0.015	2.14E-46	0.003	0.087	0.976	0.006	204.517	TRUE	2.11E-41
Allergic asthma	AGA	rs80050498	T	C	-0.596	0.018	0.049	8.72E-234	0.010	0.029	0.729	0.033	1065.781	TRUE	8.11E-205
Allergic asthma	AGA	rs9685786	A	G	-0.055	0.008	0.429	5.49E-12	-0.016	0.014	0.235	0.001	47.502	TRUE	9.69E-10
Allergic asthma	AP1M1	rs10404816	A	G	-0.068	0.010	0.204	3.22E-11	0.041	0.015	0.007	0.001	44.034	TRUE	7.97E-08
Allergic asthma	AP1M1	rs13346800	A	G	-0.089	0.010	0.239	1.12E-20	0.035	0.015	0.020	0.003	86.935	TRUE	9.61E-16
Allergic asthma	AP1M1	rs143256331	C	T	-0.213	0.034	0.019	2.84E-10	0.010	0.043	0.820	0.001	39.781	TRUE	4.14E-09
Allergic asthma	AP1M1	rs166948	A	G	-0.531	0.012	0.133	0.00E+00	0.026	0.020	0.192	0.056	1896.846	TRUE	0.00E+00
Allergic asthma	AP1M1	rs17795627	A	G	-0.116	0.020	0.044	3.91E-09	-0.064	0.032	0.045	0.001	34.664	TRUE	9.78E-07
Allergic asthma	AP1M1	rs183164563	G	T	-0.536	0.087	0.027	5.96E-10	0.038	0.031	0.220	0.001	38.334	TRUE	5.32E-08
Allergic asthma	AP1M1	rs285259	C	T	-0.098	0.013	0.418	4.78E-15	0.021	0.014	0.118	0.002	61.346	TRUE	6.11E-12
Allergic asthma	AP1M1	rs392844	T	G	-0.098	0.015	0.093	2.55E-11	0.064	0.020	0.001	0.001	44.492	TRUE	1.64E-07
Allergic asthma	AP1M1	rs60455905	T	C	-0.280	0.017	0.064	3.75E-60	0.074	0.022	8.49E-04	0.008	267.598	TRUE	1.55E-46
Allergic asthma	AP1M1	rs62116347	T	C	0.139	0.017	0.069	1.87E-16	0.020	0.026	0.456	0.002	67.729	TRUE	5.41E-14
Allergic asthma	AP1M1	rs66587439	T	G	0.236	0.013	0.241	2.57E-73	-0.039	0.016	0.014	0.010	328.016	TRUE	1.81E-59
Allergic asthma	AP1M1	rs80282064	T	C	0.172	0.021	0.060	6.23E-16	-0.016	0.030	0.591	0.002	65.360	TRUE	9.10E-14
Allergic asthma	BCL2L11	rs113135335	G	T	0.165	0.013	0.109	3.04E-38	0.091	0.022	2.62E-05	0.005	167.180	TRUE	3.04E-27
Allergic asthma	BCL2L11	rs6734942	T	C	-0.086	0.008	0.367	1.24E-25	-0.028	0.014	0.041	0.003	109.526	TRUE	3.50E-20
Allergic asthma	BCL3	rs1531517	A	G	0.095	0.017	0.062	8.79E-09	-0.059	0.028	0.036	0.001	33.090	TRUE	2.13E-06
Allergic asthma	BLK	rs10108205	T	C	0.124	0.014	0.089	8.16E-19	-0.061	0.022	0.006	0.002	78.455	TRUE	8.66E-14
Allergic asthma	BLK	rs10109101	C	T	0.107	0.011	0.163	2.16E-23	-0.041	0.018	0.023	0.003	99.307	TRUE	4.94E-18
Allergic asthma	BLK	rs10503422	C	T	0.120	0.009	0.231	8.41E-37	-0.027	0.017	0.100	0.005	160.580	TRUE	3.61E-30
Allergic asthma	BLK	rs10503425	C	G	0.086	0.010	0.175	2.31E-16	-0.028	0.019	0.132	0.002	67.317	TRUE	4.24E-13
Allergic asthma	BLK	rs10903341	A	G	-0.095	0.010	0.219	4.86E-23	0.014	0.015	0.354	0.003	97.699	TRUE	1.85E-19
Allergic asthma	BLK	rs111329020	A	G	-0.178	0.029	0.024	1.33E-09	0.017	0.031	0.595	0.001	36.763	TRUE	2.89E-08
Allergic asthma	BLK	rs111358481	T	C	0.134	0.016	0.069	2.13E-16	-0.031	0.033	0.348	0.002	67.475	TRUE	9.83E-14

Allergic asthma	BLK	rs111707729	T	C	-0.359	0.031	0.023	3.71E-31	0.082	0.054	0.130	0.004	134.761	TRUE	1.41E-25
Allergic asthma	BLK	rs11250187	A	G	0.098	0.014	0.092	9.48E-13	-0.050	0.029	0.078	0.002	50.945	TRUE	7.47E-10
Allergic asthma	BLK	rs113072870	A	G	0.134	0.022	0.033	2.32E-09	-0.028	0.035	0.429	0.001	35.687	TRUE	7.50E-08
Allergic asthma	BLK	rs113225536	T	C	-0.156	0.024	0.031	5.93E-11	-0.012	0.027	0.654	0.001	42.842	TRUE	1.63E-09
Allergic asthma	BLK	rs113448138	G	C	0.136	0.020	0.042	1.06E-11	-0.073	0.030	0.016	0.001	46.210	TRUE	1.87E-08
Allergic asthma	BLK	rs113750791	T	C	-0.086	0.015	0.080	9.94E-09	0.049	0.024	0.040	0.001	32.852	TRUE	2.21E-06
Allergic asthma	BLK	rs114004727	A	C	-0.155	0.021	0.045	2.84E-13	0.054	0.029	0.066	0.002	53.316	TRUE	3.26E-10
Allergic asthma	BLK	rs116966174	T	C	-0.273	0.026	0.025	2.52E-25	0.050	0.038	0.180	0.003	108.124	TRUE	7.27E-21
Allergic asthma	BLK	rs117049887	A	G	0.144	0.024	0.034	3.63E-09	-0.037	0.056	0.502	0.001	34.810	TRUE	8.88E-08
Allergic asthma	BLK	rs117096501	T	G	-0.336	0.039	0.018	5.76E-18	-0.037	0.047	0.430	0.002	74.596	TRUE	3.00E-15
Allergic asthma	BLK	rs117348978	G	A	-0.278	0.032	0.022	2.93E-18	-0.003	0.069	0.966	0.002	75.933	TRUE	2.21E-16
Allergic asthma	BLK	rs117423839	T	C	0.115	0.018	0.055	3.14E-10	-0.058	0.034	0.090	0.001	39.582	TRUE	7.46E-08
Allergic asthma	BLK	rs117523320	C	T	0.143	0.016	0.067	5.82E-19	-0.041	0.023	0.076	0.002	79.123	TRUE	5.69E-15
Allergic asthma	BLK	rs117728931	C	T	-0.373	0.040	0.017	6.65E-21	0.135	0.046	0.003	0.003	87.964	TRUE	3.47E-15
Allergic asthma	BLK	rs11774104	C	G	-0.134	0.016	0.071	3.91E-17	0.079	0.032	0.014	0.002	70.818	TRUE	9.68E-13
Allergic asthma	BLK	rs11774454	T	C	0.133	0.021	0.042	3.30E-10	-0.084	0.029	0.004	0.001	39.486	TRUE	6.21E-07
Allergic asthma	BLK	rs117746894	A	G	-0.239	0.021	0.038	7.36E-29	0.020	0.036	0.569	0.004	124.262	TRUE	5.15E-25
Allergic asthma	BLK	rs117989794	T	C	-0.477	0.066	0.015	3.59E-13	-0.027	0.041	0.515	0.002	52.849	TRUE	2.99E-11
Allergic asthma	BLK	rs118103120	G	A	-0.187	0.033	0.031	1.35E-08	0.019	0.030	0.513	0.001	32.258	TRUE	2.66E-07
Allergic asthma	BLK	rs118158001	T	C	-0.182	0.029	0.023	6.14E-10	0.005	0.045	0.920	0.001	38.274	TRUE	6.37E-09
Allergic asthma	BLK	rs11984506	T	C	-0.081	0.009	0.308	6.96E-21	0.007	0.014	0.633	0.003	87.874	TRUE	3.65E-18
Allergic asthma	BLK	rs12544796	A	G	-0.153	0.009	0.274	5.88E-65	0.045	0.015	0.004	0.009	289.648	TRUE	1.99E-51
Allergic asthma	BLK	rs12546950	T	C	-0.142	0.010	0.198	1.43E-45	0.023	0.017	0.165	0.006	200.737	TRUE	4.23E-38
Allergic asthma	BLK	rs12676319	G	T	-0.113	0.014	0.094	1.53E-16	0.048	0.023	0.036	0.002	68.124	TRUE	1.25E-12
Allergic asthma	BLK	rs12680137	A	G	-0.110	0.010	0.212	1.34E-29	0.040	0.015	0.007	0.004	127.637	TRUE	1.42E-22
Allergic asthma	BLK	rs12680762	T	C	-0.346	0.009	0.284	0.00E+00	0.029	0.015	0.053	0.048	1600.601	TRUE	7.74E-297
Allergic asthma	BLK	rs13252141	T	C	0.114	0.010	0.190	2.81E-29	-0.038	0.017	0.025	0.004	126.166	TRUE	6.22E-23
Allergic asthma	BLK	rs13256420	T	C	-0.131	0.015	0.083	1.13E-17	0.039	0.024	0.103	0.002	73.263	TRUE	4.68E-14
Allergic asthma	BLK	rs137933629	T	C	-0.241	0.043	0.014	1.90E-08	-0.236	0.117	0.044	0.001	31.596	TRUE	3.44E-06
Allergic asthma	BLK	rs139822711	C	T	-0.252	0.035	0.019	6.40E-13	0.038	0.034	0.260	0.002	51.716	TRUE	1.40E-10
Allergic asthma	BLK	rs142820468	A	G	-0.325	0.039	0.033	6.76E-17	0.029	0.047	0.541	0.002	69.738	TRUE	1.59E-14
Allergic asthma	BLK	rs143110403	A	G	-0.389	0.065	0.015	2.26E-09	-0.031	0.061	0.609	0.001	35.729	TRUE	4.41E-08
Allergic asthma	BLK	rs145332865	G	A	0.170	0.027	0.024	6.02E-10	0.094	0.034	0.006	0.001	38.314	TRUE	7.78E-07
Allergic asthma	BLK	rs147685738	A	G	-0.151	0.025	0.032	1.87E-09	-0.037	0.084	0.654	0.001	36.101	TRUE	3.31E-08
Allergic asthma	BLK	rs149457873	T	C	0.224	0.019	0.048	1.04E-31	0.014	0.030	0.650	0.004	137.285	TRUE	1.09E-27
Allergic asthma	BLK	rs150874981	A	G	-0.237	0.036	0.018	4.11E-11	0.051	0.035	0.146	0.001	43.557	TRUE	8.90E-09
Allergic asthma	BLK	rs1531577	C	T	0.191	0.008	0.327	2.35E-114	0.003	0.014	0.830	0.016	516.549	TRUE	6.03E-101
Allergic asthma	BLK	rs1692821	T	C	0.141	0.009	0.274	2.44E-56	-0.018	0.017	0.272	0.008	250.105	TRUE	5.85E-48
Allergic asthma	BLK	rs17153757	G	A	-0.102	0.012	0.132	4.93E-18	0.016	0.016	0.325	0.002	74.904	TRUE	4.38E-15
Allergic asthma	BLK	rs17807523	A	G	0.142	0.014	0.087	9.18E-23	-0.008	0.029	0.782	0.003	96.438	TRUE	4.48E-20
Allergic asthma	BLK	rs17808048	A	C	0.155	0.009	0.253	1.37E-63	-0.028	0.016	0.090	0.009	283.377	TRUE	6.49E-53
Allergic asthma	BLK	rs2249963	G	A	0.096	0.009	0.387	1.79E-29	0.012	0.014	0.409	0.004	127.064	TRUE	3.63E-25

Allergic asthma	BLK	rs2251421	C	T	-0.133	0.016	0.083	3.47E-17	0.016	0.022	0.473	0.002	71.054	TRUE	1.17E-14
Allergic asthma	BLK	rs2253061	C	T	-0.154	0.012	0.125	7.01E-38	0.009	0.020	0.652	0.005	165.520	TRUE	4.13E-33
Allergic asthma	BLK	rs2253946	G	A	0.117	0.013	0.122	6.16E-20	-0.057	0.021	0.007	0.003	83.560	TRUE	9.91E-15
Allergic asthma	BLK	rs2255108	T	C	0.168	0.008	0.447	3.05E-99	-0.006	0.014	0.651	0.014	447.094	TRUE	5.65E-87
Allergic asthma	BLK	rs2409692	G	T	0.149	0.009	0.291	9.02E-66	-0.047	0.016	0.003	0.009	293.385	TRUE	4.74E-52
Allergic asthma	BLK	rs2736321	A	G	0.134	0.022	0.034	1.36E-09	0.010	0.030	0.752	0.001	36.726	TRUE	1.95E-08
Allergic asthma	BLK	rs2740445	G	A	-0.067	0.008	0.402	1.11E-16	0.008	0.014	0.559	0.002	68.759	TRUE	2.28E-14
Allergic asthma	BLK	rs28378644	T	C	-0.115	0.009	0.287	2.22E-38	0.014	0.016	0.370	0.005	167.800	TRUE	8.88E-33
Allergic asthma	BLK	rs28668864	A	G	0.136	0.016	0.071	1.53E-18	-0.024	0.029	0.404	0.002	77.210	TRUE	1.08E-15
Allergic asthma	BLK	rs2898280	A	G	0.149	0.008	0.497	1.90E-79	-0.009	0.014	0.516	0.011	356.169	TRUE	4.11E-69
Allergic asthma	BLK	rs33999521	C	T	0.125	0.011	0.163	3.89E-31	-0.026	0.021	0.208	0.004	134.668	TRUE	6.03E-26
Allergic asthma	BLK	rs34682111	G	T	0.140	0.015	0.188	2.63E-20	-0.019	0.018	0.286	0.003	85.246	TRUE	6.17E-17
Allergic asthma	BLK	rs35681536	G	A	-0.178	0.015	0.080	3.77E-32	0.039	0.024	0.110	0.004	139.303	TRUE	2.70E-26
Allergic asthma	BLK	rs35751835	A	G	0.141	0.009	0.315	6.74E-61	-0.031	0.015	0.045	0.008	271.019	TRUE	5.92E-50
Allergic asthma	BLK	rs4240663	C	A	-0.122	0.014	0.088	3.97E-18	0.054	0.024	0.027	0.002	75.330	TRUE	8.41E-14
Allergic asthma	BLK	rs4307299	C	T	-0.094	0.008	0.435	1.20E-31	0.014	0.014	0.295	0.004	137.008	TRUE	1.03E-26
Allergic asthma	BLK	rs4455790	C	G	0.142	0.009	0.242	7.26E-52	-0.007	0.018	0.700	0.007	229.594	TRUE	1.58E-45
Allergic asthma	BLK	rs4495391	G	A	-0.176	0.024	0.032	1.90E-13	-0.028	0.025	0.264	0.002	54.108	TRUE	4.87E-11
Allergic asthma	BLK	rs4557666	A	T	0.122	0.011	0.144	7.05E-27	-0.028	0.024	0.245	0.004	115.212	TRUE	1.93E-22
Allergic asthma	BLK	rs4840527	C	A	0.111	0.015	0.074	1.92E-13	-0.033	0.027	0.224	0.002	54.086	TRUE	6.11E-11
Allergic asthma	BLK	rs4840590	T	C	0.117	0.021	0.050	1.08E-08	-0.067	0.039	0.085	0.001	32.691	TRUE	1.37E-06
Allergic asthma	BLK	rs4841381	G	C	0.182	0.014	0.231	7.15E-39	-0.043	0.017	0.010	0.005	170.058	TRUE	2.17E-30
Allergic asthma	BLK	rs4841496	A	C	0.104	0.017	0.063	4.47E-10	-0.032	0.025	0.195	0.001	38.893	TRUE	4.77E-08
Allergic asthma	BLK	rs4841571	G	A	0.184	0.023	0.055	1.33E-15	0.009	0.030	0.751	0.002	63.862	TRUE	1.02E-13
Allergic asthma	BLK	rs4841660	T	C	-0.141	0.010	0.186	4.65E-43	-0.001	0.016	0.966	0.006	189.233	TRUE	2.04E-38
Allergic asthma	BLK	rs55908105	T	C	-0.398	0.032	0.021	3.78E-36	0.059	0.031	0.059	0.005	157.593	TRUE	3.20E-29
Allergic asthma	BLK	rs59668455	T	C	-0.094	0.015	0.077	3.65E-10	0.052	0.029	0.070	0.001	39.288	TRUE	1.03E-07
Allergic asthma	BLK	rs62488580	T	G	-0.162	0.011	0.166	2.70E-45	0.017	0.016	0.279	0.006	199.474	TRUE	1.95E-38
Allergic asthma	BLK	rs62488582	C	T	-0.205	0.026	0.034	1.11E-14	-0.063	0.036	0.079	0.002	59.687	TRUE	1.90E-11
Allergic asthma	BLK	rs62489089	A	C	-0.341	0.035	0.016	2.08E-22	0.114	0.069	0.095	0.003	94.815	TRUE	5.70E-18
Allergic asthma	BLK	rs62492306	A	G	-0.179	0.020	0.053	6.26E-19	0.027	0.022	0.218	0.002	78.981	TRUE	1.45E-15
Allergic asthma	BLK	rs62492342	T	C	-0.162	0.012	0.132	1.74E-39	0.015	0.016	0.377	0.005	172.865	TRUE	9.23E-34
Allergic asthma	BLK	rs62495704	A	G	-0.156	0.022	0.042	1.22E-12	0.056	0.028	0.043	0.002	50.443	TRUE	1.56E-09
Allergic asthma	BLK	rs6601515	C	T	0.122	0.011	0.156	6.59E-29	-0.029	0.021	0.165	0.004	124.481	TRUE	7.52E-24
Allergic asthma	BLK	rs6988241	T	C	0.117	0.013	0.102	9.81E-19	-0.065	0.024	0.006	0.002	78.091	TRUE	1.02E-13
Allergic asthma	BLK	rs7004043	C	G	0.058	0.009	0.279	6.22E-11	-0.011	0.015	0.483	0.001	42.748	TRUE	2.84E-09
Allergic asthma	BLK	rs7015813	A	G	0.111	0.011	0.173	5.44E-26	-0.021	0.017	0.228	0.003	111.160	TRUE	1.29E-21
Allergic asthma	BLK	rs717717	C	G	0.174	0.024	0.028	6.81E-13	-0.031	0.042	0.461	0.002	51.595	TRUE	6.27E-11
Allergic asthma	BLK	rs73196883	A	G	-0.212	0.018	0.061	2.86E-32	0.065	0.027	0.016	0.004	139.845	TRUE	3.65E-25
Allergic asthma	BLK	rs73201151	A	G	-0.164	0.026	0.027	1.76E-10	0.051	0.035	0.151	0.001	40.709	TRUE	2.86E-08
Allergic asthma	BLK	rs73201163	T	C	0.156	0.012	0.140	4.08E-37	-0.035	0.020	0.087	0.005	162.018	TRUE	2.54E-30
Allergic asthma	BLK	rs73205341	A	G	0.149	0.009	0.243	4.74E-58	-0.032	0.017	0.053	0.008	257.958	TRUE	1.10E-47

Allergic asthma	BLK	rs73209955	A	G	0.116	0.019	0.049	2.40E-09	-0.051	0.033	0.129	0.001	35.617	TRUE	2.84E-07
Allergic asthma	BLK	rs7386288	T	C	0.072	0.009	0.234	2.50E-14	-0.012	0.017	0.464	0.002	58.091	TRUE	3.59E-12
Allergic asthma	BLK	rs75220994	T	C	-0.091	0.016	0.076	2.37E-08	0.026	0.027	0.334	0.001	31.161	TRUE	7.37E-07
Allergic asthma	BLK	rs75364663	C	A	-0.160	0.017	0.059	3.77E-21	0.045	0.035	0.195	0.003	89.085	TRUE	2.24E-17
Allergic asthma	BLK	rs75879591	T	C	0.108	0.019	0.046	2.31E-08	-0.048	0.033	0.141	0.001	31.215	TRUE	1.68E-06
Allergic asthma	BLK	rs76464096	G	A	-0.198	0.021	0.038	2.03E-20	0.077	0.028	0.006	0.003	85.753	TRUE	4.98E-15
Allergic asthma	BLK	rs76865481	G	A	-0.164	0.029	0.021	8.92E-09	0.044	0.035	0.206	0.001	33.061	TRUE	5.40E-07
Allergic asthma	BLK	rs77411380	T	C	-0.212	0.033	0.017	1.82E-10	-0.030	0.076	0.692	0.001	40.648	TRUE	3.92E-09
Allergic asthma	BLK	rs77416525	C	T	-0.133	0.016	0.064	2.56E-16	0.015	0.020	0.459	0.002	67.108	TRUE	7.00E-14
Allergic asthma	BLK	rs77443547	A	G	0.160	0.026	0.029	1.48E-09	-0.060	0.051	0.239	0.001	36.559	TRUE	1.04E-07
Allergic asthma	BLK	rs77968590	T	C	0.144	0.025	0.028	1.50E-08	-0.008	0.042	0.854	0.001	32.045	TRUE	1.27E-07
Allergic asthma	BLK	rs78038368	G	A	0.134	0.014	0.091	6.60E-22	-0.059	0.025	0.021	0.003	92.534	TRUE	9.12E-17
Allergic asthma	BLK	rs7817160	G	A	0.143	0.012	0.138	3.52E-35	-0.032	0.023	0.153	0.005	153.162	TRUE	3.86E-29
Allergic asthma	BLK	rs7821898	G	A	0.109	0.012	0.133	1.16E-20	-0.011	0.025	0.668	0.003	86.869	TRUE	4.96E-18
Allergic asthma	BLK	rs7828843	T	C	0.233	0.041	0.022	1.33E-08	0.041	0.106	0.697	0.001	32.281	TRUE	1.65E-07
Allergic asthma	BLK	rs7829996	G	C	-0.126	0.010	0.228	7.99E-40	0.055	0.016	6.05E-04	0.005	174.414	TRUE	9.59E-30
Allergic asthma	BLK	rs7833185	T	C	-0.099	0.016	0.075	2.28E-10	0.030	0.026	0.258	0.001	40.208	TRUE	1.99E-08
Allergic asthma	BLK	rs7838749	G	T	0.126	0.009	0.313	4.74E-49	-0.033	0.016	0.036	0.007	216.688	TRUE	9.81E-40
Allergic asthma	BLK	rs7844805	G	C	0.125	0.009	0.315	2.09E-48	-0.038	0.015	0.010	0.007	213.732	TRUE	2.73E-38
Allergic asthma	BLK	rs7844834	A	C	0.149	0.009	0.314	1.22E-68	-0.031	0.015	0.039	0.010	306.547	TRUE	2.12E-56
Allergic asthma	BLK	rs79433440	C	T	-0.220	0.038	0.023	6.91E-09	0.050	0.043	0.250	0.001	33.557	TRUE	3.60E-07
Allergic asthma	BLK	rs79552794	T	C	0.168	0.031	0.021	4.10E-08	-0.103	0.070	0.138	0.001	30.101	TRUE	2.73E-06
Allergic asthma	BLK	rs804261	G	A	-0.148	0.008	0.455	1.68E-77	0.018	0.014	0.175	0.011	347.234	TRUE	1.15E-65
Allergic asthma	BLK	rs9329247	A	G	-0.140	0.011	0.169	5.14E-40	0.012	0.018	0.505	0.006	175.292	TRUE	1.33E-34
Allergic asthma	BMP4	rs149196853	A	G	0.206	0.035	0.020	4.24E-09	0.032	0.063	0.609	0.001	34.506	TRUE	7.59E-08
Allergic asthma	BMP4	rs6572937	C	T	-0.080	0.013	0.121	1.00E-09	-0.027	0.026	0.292	0.001	37.320	TRUE	5.99E-08
Allergic asthma	BMP4	rs8007000	T	C	0.074	0.010	0.191	2.81E-13	-0.010	0.018	0.552	0.002	53.334	TRUE	2.12E-11
Allergic asthma	CAMKK2	rs10744750	T	C	-0.104	0.011	0.159	4.17E-21	-0.023	0.018	0.192	0.003	88.886	TRUE	2.51E-17
Allergic asthma	CAMKK2	rs10849820	T	A	-0.078	0.013	0.106	1.32E-09	-0.006	0.023	0.777	0.001	36.787	TRUE	1.78E-08
Allergic asthma	CAMKK2	rs11043244	G	A	-0.067	0.009	0.575	6.09E-15	0.008	0.014	0.575	0.002	60.867	TRUE	7.03E-13
Allergic asthma	CAMKK2	rs11043245	G	A	-0.089	0.016	0.068	3.34E-08	-0.004	0.037	0.909	0.001	30.497	TRUE	2.27E-07
Allergic asthma	CAMKK2	rs11065424	A	T	-0.165	0.009	0.255	5.93E-73	-0.001	0.015	0.930	0.010	326.353	TRUE	8.51E-65
Allergic asthma	CAMKK2	rs11065519	C	T	0.200	0.011	0.329	3.77E-81	0.002	0.014	0.887	0.011	363.981	TRUE	6.70E-72
Allergic asthma	CAMKK2	rs112351334	T	C	-0.169	0.016	0.086	1.88E-26	-0.028	0.024	0.236	0.004	113.271	TRUE	4.83E-22
Allergic asthma	CAMKK2	rs112456608	G	A	0.199	0.017	0.057	9.21E-31	0.068	0.029	0.020	0.004	132.956	TRUE	4.80E-24
Allergic asthma	CAMKK2	rs112527491	A	G	0.123	0.017	0.073	1.91E-13	-0.005	0.023	0.830	0.002	54.093	TRUE	6.37E-12
Allergic asthma	CAMKK2	rs112558505	C	T	-0.294	0.024	0.029	1.76E-33	-0.097	0.055	0.079	0.005	145.386	TRUE	3.60E-27
Allergic asthma	CAMKK2	rs1136293	A	G	-0.246	0.014	0.090	1.19E-67	0.002	0.020	0.931	0.009	302.002	TRUE	4.14E-60
Allergic asthma	CAMKK2	rs114484676	T	C	0.205	0.030	0.023	1.44E-11	0.022	0.031	0.481	0.001	45.608	TRUE	8.12E-10
Allergic asthma	CAMKK2	rs11544961	T	C	0.136	0.018	0.055	1.31E-13	0.039	0.023	0.083	0.002	54.840	TRUE	1.37E-10
Allergic asthma	CAMKK2	rs11612328	A	G	0.107	0.012	0.122	3.05E-18	-0.003	0.027	0.898	0.002	75.849	TRUE	2.91E-16
Allergic asthma	CAMKK2	rs11612976	C	T	0.311	0.034	0.018	5.53E-20	0.029	0.045	0.514	0.003	83.776	TRUE	3.67E-17

Allergic asthma	CAMKK2	rs116952507	T	C	-0.255	0.019	0.050	7.05E-42	-0.032	0.022	0.149	0.006	183.824	TRUE	7.74E-35
Allergic asthma	CAMKK2	rs117786959	A	G	0.278	0.050	0.013	2.89E-08	-0.019	0.057	0.731	0.001	30.776	TRUE	3.00E-07
Allergic asthma	CAMKK2	rs117816983	G	A	-0.219	0.039	0.024	1.74E-08	0.001	0.033	0.978	0.001	31.765	TRUE	1.09E-07
Allergic asthma	CAMKK2	rs1180017	T	C	-0.168	0.028	0.024	1.57E-09	0.000	0.053	0.997	0.001	36.446	TRUE	1.22E-08
Allergic asthma	CAMKK2	rs12422700	C	T	-0.252	0.029	0.031	1.38E-18	0.017	0.041	0.685	0.002	77.414	TRUE	3.08E-16
Allergic asthma	CAMKK2	rs12829218	G	A	0.248	0.021	0.042	1.65E-33	0.085	0.037	0.021	0.005	145.517	TRUE	2.47E-26
Allergic asthma	CAMKK2	rs139088741	T	C	-0.173	0.028	0.024	1.14E-09	0.027	0.055	0.623	0.001	37.059	TRUE	2.35E-08
Allergic asthma	CAMKK2	rs142506039	A	G	-0.119	0.020	0.056	5.46E-09	0.020	0.021	0.322	0.001	34.015	TRUE	2.23E-07
Allergic asthma	CAMKK2	rs142632970	G	A	-0.088	0.009	0.356	9.13E-23	0.042	0.014	0.002	0.003	96.450	TRUE	1.54E-16
Allergic asthma	CAMKK2	rs143202096	C	T	-0.367	0.053	0.014	6.56E-12	0.086	0.069	0.211	0.001	47.153	TRUE	1.28E-09
Allergic asthma	CAMKK2	rs144159880	C	T	0.825	0.088	0.032	4.60E-21	-0.257	0.326	0.431	0.003	88.693	TRUE	6.25E-18
Allergic asthma	CAMKK2	rs147280511	T	C	0.314	0.043	0.017	2.30E-13	0.030	0.037	0.422	0.002	53.728	TRUE	2.85E-11
Allergic asthma	CAMKK2	rs150201054	T	G	-0.263	0.030	0.022	2.95E-18	-0.119	0.069	0.083	0.002	75.919	TRUE	1.97E-14
Allergic asthma	CAMKK2	rs150742581	A	C	-0.217	0.025	0.029	8.77E-18	-0.019	0.057	0.742	0.002	73.767	TRUE	1.27E-15
Allergic asthma	CAMKK2	rs1647254	A	G	0.099	0.014	0.136	4.40E-13	0.045	0.018	0.011	0.002	52.452	TRUE	2.01E-09
Allergic asthma	CAMKK2	rs1653608	A	G	0.417	0.031	0.017	6.83E-41	-0.025	0.048	0.602	0.006	179.307	TRUE	1.25E-35
Allergic asthma	CAMKK2	rs1718118	G	A	0.558	0.018	0.061	1.57E-213	-0.004	0.028	0.896	0.030	972.596	TRUE	4.15E-188
Allergic asthma	CAMKK2	rs185265947	T	C	-0.087	0.011	0.145	1.69E-14	-0.058	0.024	0.015	0.002	58.859	TRUE	1.19E-10
Allergic asthma	CAMKK2	rs1916334	A	G	-0.087	0.010	0.214	9.81E-18	-0.002	0.015	0.900	0.002	73.546	TRUE	8.12E-16
Allergic asthma	CAMKK2	rs208296	A	G	0.337	0.008	0.306	0.00E+00	0.017	0.015	0.234	0.048	1592.995	TRUE	2.21E-299
Allergic asthma	CAMKK2	rs2393750	C	T	0.104	0.008	0.384	6.42E-37	0.014	0.014	0.317	0.005	161.117	TRUE	2.45E-31
Allergic asthma	CAMKK2	rs25643	C	T	-0.291	0.008	0.459	2.46E-302	-0.024	0.014	0.074	0.042	1390.396	TRUE	8.52E-259
Allergic asthma	CAMKK2	rs2567984	G	A	0.126	0.008	0.373	2.11E-52	0.009	0.014	0.539	0.007	232.054	TRUE	1.56E-45
Allergic asthma	CAMKK2	rs2686341	T	C	-0.379	0.008	0.471	0.00E+00	-0.023	0.014	0.086	0.071	2425.393	TRUE	0.00E+00
Allergic asthma	CAMKK2	rs2696029	T	C	0.068	0.010	0.195	1.10E-11	0.021	0.017	0.205	0.001	46.139	TRUE	2.05E-09
Allergic asthma	CAMKK2	rs2701192	G	A	-0.104	0.011	0.174	9.94E-23	0.040	0.017	0.020	0.003	96.281	TRUE	2.01E-17
Allergic asthma	CAMKK2	rs28565123	A	C	0.087	0.010	0.190	1.78E-17	0.020	0.017	0.238	0.002	72.368	TRUE	2.17E-14
Allergic asthma	CAMKK2	rs2942071	T	C	0.077	0.011	0.220	1.53E-12	0.007	0.015	0.619	0.002	50.001	TRUE	7.49E-11
Allergic asthma	CAMKK2	rs34346357	C	T	-0.086	0.009	0.328	1.88E-20	-0.060	0.015	3.85E-05	0.003	85.913	TRUE	1.46E-13
Allergic asthma	CAMKK2	rs4767919	G	A	-0.078	0.011	0.171	1.75E-13	-0.005	0.018	0.779	0.002	54.266	TRUE	6.87E-12
Allergic asthma	CAMKK2	rs487915	T	C	-0.141	0.019	0.052	2.09E-13	0.001	0.033	0.966	0.002	53.919	TRUE	4.62E-12
Allergic asthma	CAMKK2	rs4980985	C	T	-0.132	0.020	0.043	3.40E-11	0.027	0.035	0.429	0.001	43.930	TRUE	2.03E-09
Allergic asthma	CAMKK2	rs503720	A	G	0.176	0.008	0.323	6.00E-97	-0.011	0.014	0.415	0.014	436.557	TRUE	5.95E-84
Allergic asthma	CAMKK2	rs59997381	C	T	0.292	0.033	0.026	1.65E-18	0.042	0.048	0.386	0.002	77.063	TRUE	1.25E-15
Allergic asthma	CAMKK2	rs609394	A	G	0.229	0.011	0.147	1.88E-92	0.032	0.020	0.105	0.013	415.892	TRUE	7.51E-78
Allergic asthma	CAMKK2	rs73229934	T	C	0.154	0.026	0.031	2.58E-09	0.028	0.030	0.345	0.001	35.477	TRUE	1.09E-07
Allergic asthma	CAMKK2	rs75268007	G	C	-0.309	0.012	0.126	9.68E-150	0.024	0.021	0.251	0.021	679.212	TRUE	9.34E-129
Allergic asthma	CAMKK2	rs75650467	A	G	0.216	0.023	0.036	3.42E-20	0.018	0.039	0.638	0.003	84.723	TRUE	1.45E-17
Allergic asthma	CAMKK2	rs75735117	C	T	0.256	0.025	0.031	3.80E-24	-0.042	0.048	0.382	0.003	102.744	TRUE	1.75E-20
Allergic asthma	CAMKK2	rs76102919	C	T	-0.276	0.031	0.022	2.81E-19	0.013	0.041	0.754	0.003	80.560	TRUE	5.91E-17
Allergic asthma	CAMKK2	rs76678481	A	G	-0.286	0.023	0.033	6.32E-35	-0.044	0.037	0.237	0.005	151.994	TRUE	2.58E-29
Allergic asthma	CAMKK2	rs77288448	T	C	-0.065	0.011	0.147	6.85E-09	-0.066	0.019	4.42E-04	0.001	33.576	TRUE	1.62E-05

Allergic asthma	CAMKK2	rs78080032	C	T	-0.074	0.013	0.107	2.09E-08	-0.042	0.020	0.036	0.001	31.412	TRUE	4.24E-06
Allergic asthma	CAMKK2	rs78683412	A	G	0.233	0.027	0.025	5.79E-18	-0.135	0.045	0.003	0.002	74.586	TRUE	8.20E-13
Allergic asthma	CAMKK2	rs7956286	A	G	-0.093	0.008	0.498	1.90E-28	-0.024	0.014	0.072	0.004	122.382	TRUE	7.26E-23
Allergic asthma	CAMKK2	rs7958316	A	G	-0.201	0.031	0.020	6.53E-11	-0.074	0.047	0.118	0.001	42.651	TRUE	1.61E-08
Allergic asthma	CAMKK2	rs80341247	A	G	0.430	0.015	0.076	5.04E-184	0.021	0.021	0.327	0.026	836.878	TRUE	4.77E-159
Allergic asthma	CASP8AP2	rs72919981	C	T	-0.124	0.018	0.126	3.71E-12	0.045	0.021	0.037	0.002	48.271	TRUE	4.33E-09
Allergic asthma	CAV1	rs1633715	C	T	0.116	0.019	0.046	1.79E-09	0.086	0.033	0.010	0.001	36.188	TRUE	1.41E-06
Allergic asthma	CAV1	rs1728724	T	C	0.062	0.009	0.243	2.75E-11	0.044	0.017	0.012	0.001	44.342	TRUE	4.69E-08
Allergic asthma	CAV1	rs1997276	T	A	0.092	0.010	0.179	8.89E-19	0.056	0.020	0.004	0.002	78.286	TRUE	1.37E-13
Allergic asthma	CD5	rs10736712	C	T	-0.152	0.024	0.038	2.10E-10	-0.181	0.053	6.86E-04	0.001	40.368	TRUE	1.07E-06
Allergic asthma	CD5	rs10792298	A	G	0.056	0.008	0.426	4.11E-12	0.017	0.014	0.223	0.002	48.069	TRUE	8.10E-10
Allergic asthma	CD5	rs11230540	G	A	-0.180	0.022	0.035	1.07E-16	-0.089	0.038	0.020	0.002	68.839	TRUE	1.64E-12
Allergic asthma	CD5	rs11230548	A	C	0.098	0.009	0.269	1.46E-27	0.027	0.014	0.051	0.004	118.337	TRUE	6.51E-22
Allergic asthma	CD5	rs117453032	T	C	-0.231	0.034	0.020	1.77E-11	0.118	0.053	0.026	0.001	45.206	TRUE	2.00E-08
Allergic asthma	CD5	rs117645775	T	C	0.250	0.042	0.016	1.93E-09	-0.120	0.187	0.523	0.001	36.041	TRUE	4.85E-08
Allergic asthma	CD5	rs2074203	C	A	-0.078	0.010	0.183	4.02E-14	-0.003	0.018	0.890	0.002	57.153	TRUE	1.34E-12
Allergic asthma	CD5	rs3016368	T	C	0.064	0.008	0.346	2.47E-14	0.001	0.014	0.932	0.002	58.116	TRUE	7.65E-13
Allergic asthma	CD5	rs3019567	G	C	0.317	0.014	0.086	1.64E-112	0.003	0.025	0.919	0.016	508.079	TRUE	1.14E-99
Allergic asthma	CD5	rs3862666	A	C	0.114	0.010	0.203	3.86E-31	-0.003	0.022	0.879	0.004	134.682	TRUE	1.17E-27
Allergic asthma	CD5	rs483398	T	C	-0.127	0.008	0.335	2.52E-51	0.017	0.014	0.246	0.007	227.114	TRUE	1.70E-43
Allergic asthma	CD5	rs4939481	G	A	-0.093	0.012	0.116	8.52E-14	-0.075	0.027	0.006	0.002	55.678	TRUE	8.53E-10
Allergic asthma	CD5	rs4939489	T	C	-0.204	0.008	0.366	3.31E-135	-0.062	0.015	3.88E-05	0.019	612.393	TRUE	1.23E-106
Allergic asthma	CD5	rs55951851	G	A	-0.110	0.015	0.085	8.64E-13	0.024	0.026	0.355	0.002	51.128	TRUE	1.16E-10
Allergic asthma	CD5	rs73478347	A	G	-0.155	0.022	0.035	1.07E-12	-0.037	0.034	0.273	0.002	50.708	TRUE	2.01E-10
Allergic asthma	CD5	rs75148619	T	C	0.103	0.013	0.107	1.85E-15	-0.008	0.021	0.688	0.002	63.218	TRUE	1.68E-13
Allergic asthma	CD5	rs77696239	T	C	0.139	0.025	0.027	4.43E-08	0.011	0.029	0.695	0.001	29.950	TRUE	4.73E-07
Allergic asthma	CD5	rs916812	T	C	0.072	0.013	0.116	1.67E-08	0.037	0.015	0.014	0.001	31.846	TRUE	6.23E-06
Allergic asthma	CD70	rs17516272	T	G	-0.100	0.014	0.091	6.09E-13	0.071	0.031	0.021	0.002	51.814	TRUE	1.59E-09
Allergic asthma	CD70	rs2029745	C	T	-0.098	0.008	0.401	2.42E-33	0.038	0.014	0.005	0.005	144.750	TRUE	1.86E-25
Allergic asthma	CD70	rs344607	T	C	0.126	0.011	0.146	4.35E-28	-0.041	0.018	0.022	0.004	120.737	TRUE	7.05E-22
Allergic asthma	CD70	rs392972	T	C	0.071	0.008	0.500	9.85E-19	0.013	0.014	0.355	0.002	78.084	TRUE	9.39E-16
Allergic asthma	CDH1	rs111839434	A	G	0.097	0.014	0.096	5.83E-12	0.063	0.027	0.021	0.001	47.384	TRUE	9.63E-09
Allergic asthma	CDH1	rs11641710	A	G	-0.063	0.009	0.266	8.84E-12	-0.032	0.015	0.030	0.001	46.567	TRUE	1.04E-08
Allergic asthma	CDH1	rs11642362	T	C	-0.229	0.008	0.431	2.09E-183	-0.027	0.014	0.049	0.026	834.035	TRUE	9.88E-155
Allergic asthma	CDH1	rs11649335	T	C	0.059	0.010	0.213	1.13E-09	0.002	0.015	0.890	0.001	37.081	TRUE	1.18E-08
Allergic asthma	CDH1	rs117752475	A	G	0.186	0.032	0.020	7.22E-09	-0.002	0.051	0.970	0.001	33.473	TRUE	5.07E-08
Allergic asthma	CDH1	rs118073306	A	G	0.322	0.023	0.032	2.32E-43	0.000	0.047	0.997	0.006	190.616	TRUE	9.29E-39
Allergic asthma	CDH1	rs144585107	T	C	-0.241	0.015	0.087	5.53E-61	-0.045	0.019	0.020	0.008	271.413	TRUE	2.44E-49
Allergic asthma	CDH1	rs145118278	G	A	-0.172	0.024	0.034	1.15E-12	-0.034	0.042	0.416	0.002	50.563	TRUE	1.16E-10
Allergic asthma	CDH1	rs34494880	A	G	0.127	0.015	0.075	7.22E-17	0.035	0.024	0.143	0.002	69.608	TRUE	1.45E-13
Allergic asthma	CDH1	rs36085011	A	G	0.155	0.023	0.033	1.25E-11	0.045	0.055	0.407	0.001	45.884	TRUE	9.30E-10
Allergic asthma	CDH1	rs4783573	G	A	0.109	0.009	0.332	6.32E-35	-0.004	0.014	0.772	0.005	151.994	TRUE	8.76E-31

Allergic asthma	CDH1	rs55643128	G	A	0.069	0.011	0.168	1.33E-10	0.022	0.017	0.195	0.001	41.268	TRUE	1.73E-08
Allergic asthma	CDH1	rs55817359	G	A	0.163	0.022	0.036	1.12E-13	0.016	0.037	0.672	0.002	55.136	TRUE	6.46E-12
Allergic asthma	CDH1	rs7200932	G	C	-0.064	0.011	0.175	9.55E-10	-0.058	0.016	2.78E-04	0.001	37.413	TRUE	4.74E-06
Allergic asthma	CDH1	rs73596542	T	A	0.120	0.020	0.042	2.00E-09	0.050	0.041	0.221	0.001	35.976	TRUE	1.45E-07
Allergic asthma	CDH1	rs74025341	G	A	0.083	0.013	0.115	2.52E-11	0.029	0.020	0.142	0.001	44.518	TRUE	6.09E-09
Allergic asthma	CDH1	rs75130703	T	C	-0.142	0.018	0.057	3.63E-15	-0.033	0.025	0.186	0.002	61.886	TRUE	2.77E-12
Allergic asthma	CDH1	rs75158225	A	G	-0.181	0.026	0.031	1.73E-12	-0.082	0.037	0.025	0.002	49.770	TRUE	3.22E-09
Allergic asthma	CDH1	rs79172247	G	C	-0.194	0.022	0.049	2.97E-19	-0.052	0.030	0.081	0.003	80.456	TRUE	3.02E-15
Allergic asthma	CDH1	rs8059087	C	T	-0.167	0.029	0.023	1.01E-08	0.024	0.036	0.502	0.001	32.817	TRUE	2.14E-07
Allergic asthma	CDKN2D	rs117717044	T	C	-1.457	0.137	0.013	2.07E-26	0.008	0.060	0.891	0.004	113.070	TRUE	1.71E-23
Allergic asthma	CDKN2D	rs11883423	G	A	-0.100	0.009	0.335	2.46E-27	-0.018	0.015	0.233	0.004	117.298	TRUE	8.67E-23
Allergic asthma	CDKN2D	rs190740393	C	T	-0.087	0.016	0.089	3.59E-08	-0.001	0.020	0.955	0.001	30.356	TRUE	2.19E-07
Allergic asthma	CDKN2D	rs34457396	G	T	-0.127	0.018	0.059	1.29E-12	-0.014	0.026	0.591	0.002	50.338	TRUE	7.05E-11
Allergic asthma	CDKN2D	rs4804510	A	G	-0.065	0.009	0.369	5.18E-13	-0.013	0.014	0.355	0.002	52.131	TRUE	7.52E-11
Allergic asthma	CDKN2D	rs62131898	G	A	0.114	0.014	0.132	1.25E-16	0.007	0.018	0.716	0.002	68.518	TRUE	1.44E-14
Allergic asthma	CDKN2D	rs8106542	C	T	0.065	0.010	0.200	5.15E-11	-0.015	0.018	0.400	0.001	43.115	TRUE	3.21E-09
Allergic asthma	CDKN2D	rs8108051	C	T	0.161	0.009	0.458	3.71E-80	-0.028	0.014	0.041	0.011	359.430	TRUE	3.08E-66
Allergic asthma	CHEK2	rs9620808	C	A	0.098	0.012	0.135	3.06E-17	0.064	0.017	2.25E-04	0.002	71.300	TRUE	1.44E-11
Allergic asthma	CISD2	rs111791762	A	G	-0.122	0.017	0.066	5.56E-13	0.012	0.032	0.704	0.002	51.992	TRUE	2.38E-11
Allergic asthma	CISD2	rs113360567	T	C	-0.169	0.016	0.067	1.77E-26	0.045	0.039	0.255	0.004	113.386	TRUE	3.96E-22
Allergic asthma	CISD2	rs141190853	T	C	0.111	0.018	0.066	3.54E-10	-0.016	0.028	0.568	0.001	39.348	TRUE	9.87E-09
Allergic asthma	CISD2	rs1598858	G	A	-0.066	0.008	0.332	4.40E-15	-0.030	0.014	0.033	0.002	61.509	TRUE	2.09E-11
Allergic asthma	CISD2	rs17254507	C	T	-0.304	0.030	0.021	6.43E-25	0.012	0.065	0.856	0.003	106.265	TRUE	4.15E-22
Allergic asthma	CISD2	rs230547	T	C	0.084	0.014	0.091	1.28E-09	0.055	0.027	0.039	0.001	36.842	TRUE	4.46E-07
Allergic asthma	CISD2	rs28871712	C	T	-0.072	0.008	0.463	1.35E-19	-0.020	0.014	0.133	0.003	82.006	TRUE	8.21E-16
Allergic asthma	CISD2	rs6822658	G	T	-0.194	0.008	0.480	1.01E-117	-0.037	0.014	0.007	0.017	532.023	TRUE	2.46E-96
Allergic asthma	CISD2	rs74819220	C	T	-0.107	0.018	0.051	4.72E-09	-0.046	0.034	0.168	0.001	34.297	TRUE	3.88E-07
Allergic asthma	CTSB	rs10103062	G	A	0.057	0.009	0.240	7.56E-10	-0.026	0.019	0.158	0.001	37.867	TRUE	9.12E-08
Allergic asthma	CTSB	rs10110559	C	T	0.050	0.009	0.276	2.59E-08	-0.051	0.016	0.001	0.001	30.992	TRUE	2.71E-05
Allergic asthma	CTSB	rs11250168	T	G	-0.374	0.010	0.201	0.00E+00	0.049	0.017	0.004	0.045	1487.846	TRUE	3.63E-271
Allergic asthma	CTSB	rs117364124	T	C	0.488	0.042	0.015	7.92E-31	0.006	0.067	0.926	0.004	133.255	TRUE	1.78E-27
Allergic asthma	CTSB	rs117432017	A	G	-0.624	0.072	0.016	5.24E-18	0.040	0.039	0.300	0.002	74.783	TRUE	5.29E-15
Allergic asthma	CTSB	rs11783137	T	G	-0.097	0.015	0.073	2.10E-10	0.045	0.022	0.038	0.001	40.373	TRUE	1.08E-07
Allergic asthma	CTSB	rs11783694	C	T	-0.116	0.009	0.273	6.01E-36	0.027	0.015	0.081	0.005	156.670	TRUE	2.83E-29
Allergic asthma	CTSB	rs11992878	T	C	0.131	0.019	0.054	1.63E-12	-0.041	0.031	0.182	0.002	49.883	TRUE	4.76E-10
Allergic asthma	CTSB	rs1293294	A	G	-0.231	0.029	0.022	5.64E-16	-0.055	0.054	0.306	0.002	65.554	TRUE	2.78E-13
Allergic asthma	CTSB	rs13261031	A	C	0.067	0.009	0.306	8.00E-15	-0.041	0.016	0.010	0.002	60.332	TRUE	8.81E-11
Allergic asthma	CTSB	rs13279932	C	A	-0.049	0.009	0.293	2.67E-08	0.007	0.014	0.647	0.001	30.934	TRUE	3.41E-07
Allergic asthma	CTSB	rs139053845	C	T	-0.223	0.029	0.022	5.12E-15	0.029	0.047	0.548	0.002	61.211	TRUE	6.66E-13
Allergic asthma	CTSB	rs140542070	T	C	-0.274	0.032	0.017	2.26E-17	-0.015	0.038	0.681	0.002	71.903	TRUE	3.62E-15
Allergic asthma	CTSB	rs141111503	C	T	-0.397	0.032	0.018	5.69E-36	-0.040	0.080	0.613	0.005	156.781	TRUE	2.43E-31
Allergic asthma	CTSB	rs141494481	G	A	0.126	0.019	0.051	5.60E-11	-0.023	0.034	0.488	0.001	42.952	TRUE	2.56E-09

Allergic asthma	CTSB	rs144176129	A	C	0.192	0.030	0.022	1.78E-10	0.019	0.043	0.664	0.001	40.697	TRUE	4.14E-09
Allergic asthma	CTSB	rs146464952	T	C	-0.444	0.057	0.014	4.77E-15	0.105	0.085	0.216	0.002	61.349	TRUE	2.84E-12
Allergic asthma	CTSB	rs147976186	G	A	-0.249	0.030	0.021	6.90E-17	0.051	0.046	0.269	0.002	69.698	TRUE	5.69E-14
Allergic asthma	CTSB	rs148669985	T	C	0.227	0.025	0.028	1.07E-19	0.020	0.025	0.418	0.003	82.477	TRUE	1.01E-16
Allergic asthma	CTSB	rs148747327	A	G	0.426	0.042	0.016	7.56E-24	-0.035	0.041	0.385	0.003	101.382	TRUE	3.10E-20
Allergic asthma	CTSB	rs1806282	C	G	0.069	0.009	0.267	9.95E-14	-0.015	0.016	0.370	0.002	55.374	TRUE	1.72E-11
Allergic asthma	CTSB	rs1864587	G	A	0.047	0.008	0.470	5.66E-09	-0.047	0.014	5.70E-04	0.001	33.945	TRUE	1.27E-05
Allergic asthma	CTSB	rs2251421	C	T	-0.087	0.016	0.083	3.62E-08	0.016	0.022	0.473	0.001	30.341	TRUE	6.94E-07
Allergic asthma	CTSB	rs2252536	T	C	-0.186	0.025	0.026	2.65E-13	-0.027	0.046	0.552	0.002	53.451	TRUE	2.02E-11
Allergic asthma	CTSB	rs2409750	C	A	0.069	0.011	0.157	5.22E-10	-0.046	0.020	0.026	0.001	38.589	TRUE	2.93E-07
Allergic asthma	CTSB	rs2448074	C	T	0.060	0.009	0.417	2.66E-12	-0.003	0.014	0.857	0.002	48.919	TRUE	6.05E-11
Allergic asthma	CTSB	rs2645407	T	G	0.148	0.008	0.334	4.75E-68	0.003	0.015	0.858	0.009	303.840	TRUE	3.02E-60
Allergic asthma	CTSB	rs2645419	T	C	0.208	0.008	0.381	9.20E-144	0.015	0.014	0.279	0.020	651.729	TRUE	8.41E-124
Allergic asthma	CTSB	rs2736319	G	C	-0.083	0.011	0.145	2.28E-13	0.036	0.016	0.023	0.002	53.743	TRUE	6.85E-10
Allergic asthma	CTSB	rs34199071	A	G	-0.234	0.022	0.036	7.87E-26	0.150	0.042	2.90E-04	0.003	110.429	TRUE	2.74E-18
Allergic asthma	CTSB	rs34208771	C	T	-0.369	0.049	0.012	3.59E-14	0.009	0.056	0.877	0.002	57.380	TRUE	1.26E-12
Allergic asthma	CTSB	rs3729848	T	C	0.111	0.011	0.161	8.98E-25	-0.003	0.017	0.870	0.003	105.602	TRUE	5.26E-22
Allergic asthma	CTSB	rs4495391	G	A	0.140	0.024	0.032	5.17E-09	-0.028	0.025	0.264	0.001	34.122	TRUE	2.66E-07
Allergic asthma	CTSB	rs4507728	G	A	0.057	0.008	0.355	8.36E-12	-0.029	0.015	0.051	0.001	46.676	TRUE	6.41E-09
Allergic asthma	CTSB	rs4840579	C	T	-0.109	0.008	0.411	7.05E-42	0.033	0.014	0.016	0.006	183.823	TRUE	3.90E-33
Allergic asthma	CTSB	rs4840590	T	C	0.124	0.021	0.050	1.37E-09	-0.067	0.039	0.085	0.001	36.706	TRUE	2.59E-07
Allergic asthma	CTSB	rs61217225	A	T	-0.142	0.010	0.285	4.32E-48	-0.049	0.023	0.031	0.007	212.290	TRUE	8.18E-39
Allergic asthma	CTSB	rs61277615	T	C	0.076	0.014	0.095	2.73E-08	0.047	0.024	0.048	0.001	30.889	TRUE	4.32E-06
Allergic asthma	CTSB	rs62488580	T	G	-0.086	0.011	0.166	8.81E-14	0.017	0.016	0.279	0.002	55.613	TRUE	2.35E-11
Allergic asthma	CTSB	rs62489310	C	T	-0.204	0.029	0.022	3.45E-12	0.027	0.040	0.505	0.002	48.411	TRUE	2.18E-10
Allergic asthma	CTSB	rs62495704	A	G	-0.129	0.022	0.042	5.33E-09	0.056	0.028	0.043	0.001	34.061	TRUE	1.28E-06
Allergic asthma	CTSB	rs6730	G	A	0.751	0.060	0.035	7.67E-36	-0.006	0.061	0.915	0.005	156.185	TRUE	6.69E-32
Allergic asthma	CTSB	rs6999912	A	G	0.079	0.008	0.362	1.15E-21	-0.042	0.015	0.005	0.003	91.438	TRUE	5.17E-16
Allergic asthma	CTSB	rs71509189	A	G	-0.303	0.045	0.015	1.61E-11	0.066	0.063	0.291	0.001	45.398	TRUE	1.83E-09
Allergic asthma	CTSB	rs73207234	G	T	-0.289	0.034	0.019	1.48E-17	0.024	0.038	0.540	0.002	72.736	TRUE	4.26E-15
Allergic asthma	CTSB	rs73534709	A	G	0.442	0.025	0.029	1.54E-68	-0.016	0.071	0.820	0.010	306.083	TRUE	1.46E-60
Allergic asthma	CTSB	rs73537803	C	T	0.221	0.018	0.052	1.70E-34	-0.058	0.042	0.168	0.005	150.030	TRUE	1.25E-28
Allergic asthma	CTSB	rs76837891	G	A	0.131	0.023	0.037	1.23E-08	0.023	0.048	0.627	0.001	32.431	TRUE	1.83E-07
Allergic asthma	CTSB	rs77151023	C	T	0.251	0.018	0.058	5.06E-46	0.023	0.032	0.462	0.006	202.811	TRUE	1.01E-39
Allergic asthma	CTSB	rs7818816	G	A	0.350	0.010	0.170	2.43E-247	-0.044	0.022	0.045	0.034	1128.152	TRUE	3.43E-209
Allergic asthma	CTSB	rs7823424	G	A	0.067	0.008	0.372	5.17E-16	-0.034	0.015	0.020	0.002	65.726	TRUE	5.81E-12
Allergic asthma	CTSB	rs7834661	C	A	0.060	0.010	0.346	2.05E-10	-0.035	0.015	0.018	0.001	40.419	TRUE	1.77E-07
Allergic asthma	CTSB	rs78368024	A	G	0.077	0.008	0.466	9.57E-22	-0.025	0.014	0.068	0.003	91.797	TRUE	3.16E-17
Allergic asthma	CTSB	rs79433440	C	T	-0.233	0.038	0.023	8.89E-10	0.050	0.043	0.250	0.001	37.552	TRUE	6.48E-08
Allergic asthma	CTSB	rs804274	C	A	0.258	0.009	0.267	4.41E-183	-0.005	0.015	0.749	0.026	832.548	TRUE	8.84E-161
Allergic asthma	CTSB	rs8191620	A	C	-0.293	0.023	0.033	1.23E-36	-0.028	0.040	0.475	0.005	159.820	TRUE	1.43E-31
Allergic asthma	CTSB	rs9329248	A	C	-0.197	0.010	0.197	1.73E-87	-0.019	0.016	0.244	0.012	393.102	TRUE	8.82E-75

Allergic asthma	CTSB	rs9329255	A	G	0.095	0.012	0.162	2.63E-16	-0.066	0.022	0.003	0.002	67.062	TRUE	1.63E-11
Allergic asthma	CTSB	rs9650664	T	C	-0.151	0.008	0.466	5.79E-81	0.005	0.014	0.691	0.011	363.131	TRUE	4.42E-71
Allergic asthma	DDIT3	rs697221	A	G	0.191	0.012	0.144	4.90E-59	-0.054	0.016	7.78E-04	0.008	262.483	TRUE	1.44E-45
Allergic asthma	DDIT3	rs755289	A	G	0.148	0.025	0.030	3.99E-09	-0.114	0.061	0.060	0.001	34.629	TRUE	8.06E-07
Allergic asthma	EMC2	rs13273665	C	G	0.097	0.011	0.205	1.21E-18	0.022	0.017	0.194	0.002	77.671	TRUE	3.04E-15
Allergic asthma	EMC2	rs3019381	G	A	-0.076	0.011	0.195	3.43E-11	-0.013	0.017	0.436	0.001	43.914	TRUE	1.99E-09
Allergic asthma	EMC2	rs71524796	T	C	-0.212	0.028	0.027	3.03E-14	-0.013	0.047	0.783	0.002	57.711	TRUE	1.45E-12
Allergic asthma	EMC2	rs957716	C	G	-0.143	0.009	0.384	2.26E-55	-0.038	0.014	0.009	0.008	245.670	TRUE	5.20E-44
Allergic asthma	ERBB3	rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	0.030	0.014	0.028	0.013	424.916	TRUE	5.51E-78
Allergic asthma	ERBB3	rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	0.020	0.042	0.645	0.002	50.140	TRUE	6.50E-11
Allergic asthma	ERBB3	rs150823486	A	G	0.124	0.022	0.045	9.57E-09	-0.116	0.044	0.009	0.001	32.925	TRUE	5.21E-06
Allergic asthma	ERBB3	rs773662	C	T	-0.091	0.015	0.075	2.12E-09	-0.006	0.023	0.797	0.001	35.856	TRUE	2.58E-08
Allergic asthma	EYA2	rs1572053	A	G	0.052	0.008	0.378	3.46E-10	0.043	0.014	0.002	0.001	39.396	TRUE	9.09E-07
Allergic asthma	FOXK1	rs10246759	T	C	-0.051	0.009	0.440	1.14E-08	0.015	0.014	0.261	0.001	32.586	TRUE	5.20E-07
Allergic asthma	FOXK1	rs10262715	A	G	0.329	0.009	0.396	6.55E-281	-0.033	0.015	0.027	0.039	1282.603	TRUE	7.98E-237
Allergic asthma	FOXK1	rs112342053	T	C	0.217	0.030	0.031	2.52E-13	0.017	0.041	0.675	0.002	53.547	TRUE	1.30E-11
Allergic asthma	FOXK1	rs117071851	T	C	0.207	0.033	0.027	5.58E-10	-0.035	0.033	0.286	0.001	38.460	TRUE	3.74E-08
Allergic asthma	FOXK1	rs118191124	T	G	0.272	0.030	0.027	1.63E-19	-0.001	0.049	0.984	0.003	81.640	TRUE	1.59E-17
Allergic asthma	FOXK1	rs12701878	A	G	-0.247	0.033	0.025	4.45E-14	-0.053	0.047	0.260	0.002	56.956	TRUE	1.46E-11
Allergic asthma	FOXK1	rs28658109	C	T	-0.118	0.012	0.169	2.65E-23	0.001	0.016	0.928	0.003	98.896	TRUE	8.41E-21
Allergic asthma	FOXK1	rs2969497	C	T	0.071	0.013	0.142	1.70E-08	0.016	0.022	0.456	0.001	31.810	TRUE	3.80E-07
Allergic asthma	FOXK1	rs57319005	T	C	-0.222	0.018	0.082	1.09E-33	-0.020	0.021	0.339	0.005	146.343	TRUE	1.29E-28
Allergic asthma	FOXK1	rs62453197	G	A	-0.108	0.016	0.090	2.29E-11	0.026	0.022	0.239	0.001	44.702	TRUE	3.17E-09
Allergic asthma	FOXK1	rs6975499	G	A	0.175	0.011	0.233	7.18E-57	-0.018	0.018	0.312	0.008	252.545	TRUE	1.32E-48
Allergic asthma	FOXK1	rs73044587	T	C	0.147	0.022	0.053	3.47E-11	0.005	0.030	0.871	0.001	43.890	TRUE	5.64E-10
Allergic asthma	FOXK1	rs74766197	T	G	0.183	0.019	0.072	8.61E-23	-0.014	0.030	0.647	0.003	96.564	TRUE	7.37E-20
Allergic asthma	FOXK1	rs76666907	A	G	-0.133	0.017	0.084	2.54E-14	0.028	0.025	0.265	0.002	58.061	TRUE	8.80E-12
Allergic asthma	FOXK1	rs76747878	T	C	-0.175	0.032	0.027	3.38E-08	0.059	0.026	0.025	0.001	30.475	TRUE	7.82E-06
Allergic asthma	FOXK1	rs80033128	C	T	0.195	0.028	0.032	3.32E-12	-0.030	0.048	0.532	0.002	48.486	TRUE	1.93E-10
Allergic asthma	FOXO1	rs2324597	G	A	-0.050	0.009	0.294	1.62E-08	0.002	0.016	0.900	0.001	31.898	TRUE	1.22E-07
Allergic asthma	FOXO1	rs61963554	T	G	0.063	0.010	0.179	2.44E-09	0.032	0.017	0.061	0.001	35.584	TRUE	5.34E-07
Allergic asthma	FOXO1	rs77526211	A	G	-0.175	0.020	0.043	7.63E-18	-0.017	0.029	0.552	0.002	74.041	TRUE	2.29E-15
Allergic asthma	FOXO1	rs9532563	C	T	0.066	0.009	0.229	3.03E-12	0.045	0.016	0.004	0.002	48.667	TRUE	1.69E-08
Allergic asthma	FOXO1	rs9549200	T	C	-0.085	0.008	0.386	2.55E-25	-0.036	0.014	0.009	0.003	108.099	TRUE	3.72E-19
Allergic asthma	GAB2	rs1318241	T	C	0.182	0.011	0.169	1.62E-60	0.052	0.017	0.002	0.008	269.277	TRUE	2.47E-47
Allergic asthma	GAB2	rs17753400	A	C	0.209	0.029	0.025	6.82E-13	0.046	0.038	0.221	0.002	51.592	TRUE	1.81E-10
Allergic asthma	GAB2	rs75268099	T	C	0.203	0.029	0.024	1.47E-12	0.104	0.052	0.045	0.002	50.089	TRUE	1.76E-09
Allergic asthma	GAB2	rs79023139	C	A	0.103	0.014	0.087	1.16E-12	0.015	0.025	0.559	0.002	50.552	TRUE	7.11E-11
Allergic asthma	GCC2	rs112823243	G	A	0.394	0.027	0.029	3.39E-48	-0.012	0.032	0.705	0.007	212.772	TRUE	2.59E-42
Allergic asthma	GCC2	rs113157492	C	A	0.165	0.026	0.033	2.03E-10	-0.102	0.070	0.146	0.001	40.439	TRUE	3.32E-08
Allergic asthma	GCC2	rs114153310	T	C	0.306	0.039	0.016	6.52E-15	0.017	0.043	0.688	0.002	60.733	TRUE	5.09E-13
Allergic asthma	GCC2	rs114627174	T	C	0.231	0.025	0.027	5.15E-20	-0.023	0.035	0.511	0.003	83.915	TRUE	3.51E-17

Allergic asthma	GCC2	rs114697001	G	A	0.377	0.061	0.013	8.72E-10	0.008	0.084	0.927	0.001	37.589	TRUE	8.54E-09
Allergic asthma	GCC2	rs115064799	T	C	-0.380	0.030	0.021	2.20E-37	-0.020	0.031	0.521	0.005	163.247	TRUE	2.39E-32
Allergic asthma	GCC2	rs115685748	A	G	0.151	0.017	0.063	2.31E-19	0.004	0.026	0.867	0.003	80.952	TRUE	3.29E-17
Allergic asthma	GCC2	rs116294087	A	G	0.419	0.057	0.015	3.27E-13	-0.010	0.101	0.919	0.002	53.036	TRUE	7.90E-12
Allergic asthma	GCC2	rs116435443	C	T	-0.306	0.026	0.025	8.76E-32	0.042	0.046	0.357	0.004	137.626	TRUE	5.06E-27
Allergic asthma	GCC2	rs116732333	A	G	-0.487	0.045	0.015	8.96E-27	-0.073	0.103	0.480	0.004	114.736	TRUE	5.37E-23
Allergic asthma	GCC2	rs11675104	T	C	-0.501	0.013	0.097	0.00E+00	-0.006	0.025	0.804	0.043	1425.626	TRUE	5.02E-273
Allergic asthma	GCC2	rs116826716	C	T	-0.544	0.064	0.014	1.17E-17	0.046	0.048	0.334	0.002	73.204	TRUE	8.73E-15
Allergic asthma	GCC2	rs11900990	G	T	0.075	0.013	0.113	2.15E-08	0.002	0.027	0.930	0.001	31.356	TRUE	1.46E-07
Allergic asthma	GCC2	rs12477830	G	A	0.214	0.012	0.132	6.35E-75	-0.058	0.021	0.006	0.010	335.396	TRUE	3.72E-60
Allergic asthma	GCC2	rs13006511	C	T	-0.503	0.012	0.116	0.00E+00	0.003	0.024	0.887	0.050	1659.981	TRUE	0.00E+00
Allergic asthma	GCC2	rs13016503	A	G	-0.155	0.025	0.026	7.37E-10	0.009	0.037	0.815	0.001	37.919	TRUE	9.71E-09
Allergic asthma	GCC2	rs13021399	A	T	0.427	0.009	0.301	0.00E+00	-0.011	0.015	0.476	0.067	2293.321	TRUE	0.00E+00
Allergic asthma	GCC2	rs140423617	C	T	-0.339	0.028	0.023	3.60E-33	-0.025	0.053	0.629	0.005	143.967	TRUE	6.37E-29
Allergic asthma	GCC2	rs140436465	G	A	-0.183	0.028	0.026	1.42E-10	-0.012	0.035	0.727	0.001	41.139	TRUE	2.86E-09
Allergic asthma	GCC2	rs142871500	T	C	0.408	0.035	0.018	2.92E-31	0.019	0.041	0.644	0.004	135.234	TRUE	2.79E-27
Allergic asthma	GCC2	rs143276373	C	T	0.443	0.028	0.025	1.01E-54	0.017	0.036	0.645	0.008	242.697	TRUE	6.97E-48
Allergic asthma	GCC2	rs143962355	A	G	-0.573	0.075	0.017	2.69E-14	0.035	0.079	0.656	0.002	57.945	TRUE	1.95E-12
Allergic asthma	GCC2	rs146024326	A	G	-0.369	0.060	0.014	1.07E-09	-0.072	0.080	0.372	0.001	37.193	TRUE	4.69E-08
Allergic asthma	GCC2	rs146973928	A	G	-0.264	0.025	0.027	4.27E-26	0.028	0.028	0.314	0.004	111.642	TRUE	5.49E-22
Allergic asthma	GCC2	rs151143085	A	G	-0.277	0.047	0.015	3.36E-09	-0.017	0.041	0.690	0.001	34.961	TRUE	5.04E-08
Allergic asthma	GCC2	rs17034770	C	T	0.124	0.012	0.130	1.77E-23	-0.036	0.016	0.025	0.003	99.694	TRUE	3.81E-18
Allergic asthma	GCC2	rs17036089	T	C	-0.225	0.020	0.043	8.84E-29	0.048	0.027	0.078	0.004	123.895	TRUE	3.36E-23
Allergic asthma	GCC2	rs1718024	A	C	0.056	0.008	0.424	4.76E-12	-0.009	0.014	0.503	0.002	47.781	TRUE	2.90E-10
Allergic asthma	GCC2	rs17770672	A	G	-0.168	0.014	0.108	3.49E-34	0.027	0.019	0.151	0.005	148.602	TRUE	2.82E-28
Allergic asthma	GCC2	rs184591007	C	T	0.267	0.047	0.018	1.72E-08	-0.083	0.050	0.098	0.001	31.787	TRUE	1.78E-06
Allergic asthma	GCC2	rs185210493	A	C	-0.488	0.055	0.014	8.57E-19	0.033	0.073	0.653	0.002	78.360	TRUE	2.29E-16
Allergic asthma	GCC2	rs187816444	T	C	0.318	0.038	0.017	2.47E-17	-0.090	0.054	0.095	0.002	71.726	TRUE	9.87E-14
Allergic asthma	GCC2	rs2378108	T	C	0.188	0.023	0.032	1.53E-16	-0.011	0.026	0.672	0.002	68.121	TRUE	2.01E-14
Allergic asthma	GCC2	rs2577619	C	G	0.345	0.010	0.196	2.63E-268	-0.023	0.015	0.130	0.037	1224.612	TRUE	2.54E-229
Allergic asthma	GCC2	rs260633	C	T	-0.247	0.009	0.244	6.57E-159	0.026	0.017	0.135	0.022	721.377	TRUE	1.85E-135
Allergic asthma	GCC2	rs260695	G	C	-0.223	0.026	0.026	4.44E-18	0.112	0.058	0.051	0.002	75.112	TRUE	4.83E-14
Allergic asthma	GCC2	rs260710	T	C	0.210	0.013	0.115	1.77E-57	-0.031	0.018	0.079	0.008	255.339	TRUE	1.46E-47
Allergic asthma	GCC2	rs36121864	G	A	0.091	0.014	0.098	2.12E-11	-0.034	0.020	0.087	0.001	44.857	TRUE	8.48E-09
Allergic asthma	GCC2	rs3888323	A	G	0.332	0.023	0.046	2.50E-47	-0.069	0.029	0.018	0.007	208.795	TRUE	8.56E-38
Allergic asthma	GCC2	rs4328597	G	A	0.124	0.015	0.080	5.46E-17	0.011	0.023	0.651	0.002	70.159	TRUE	8.76E-15
Allergic asthma	GCC2	rs4442955	G	A	-0.361	0.009	0.279	0.00E+00	0.046	0.018	0.010	0.045	1482.472	TRUE	6.73E-272
Allergic asthma	GCC2	rs4610008	C	T	0.062	0.008	0.428	2.26E-14	0.023	0.013	0.087	0.002	58.289	TRUE	3.09E-11
Allergic asthma	GCC2	rs4676059	T	A	-0.161	0.026	0.027	5.73E-10	0.050	0.121	0.680	0.001	38.410	TRUE	1.10E-08
Allergic asthma	GCC2	rs4676175	G	A	0.159	0.023	0.031	6.98E-12	-0.046	0.056	0.411	0.001	47.029	TRUE	5.58E-10
Allergic asthma	GCC2	rs4676248	T	C	0.056	0.009	0.269	6.90E-10	-0.014	0.015	0.361	0.001	38.047	TRUE	3.36E-08
Allergic asthma	GCC2	rs55636728	T	C	0.079	0.009	0.295	2.03E-19	-0.025	0.014	0.070	0.003	81.204	TRUE	2.61E-15

Allergic asthma	GCC2	rs62148704	C	T	-0.120	0.015	0.083	4.58E-16	0.015	0.026	0.558	0.002	65.966	TRUE	7.86E-14
Allergic asthma	GCC2	rs62148812	G	A	-0.216	0.011	0.169	1.52E-88	0.020	0.019	0.273	0.012	397.942	TRUE	7.07E-76
Allergic asthma	GCC2	rs62149876	A	G	0.379	0.026	0.033	8.75E-50	0.046	0.033	0.161	0.007	220.052	TRUE	1.07E-41
Allergic asthma	GCC2	rs6711767	T	C	0.071	0.011	0.175	2.11E-11	0.046	0.018	0.009	0.001	44.861	TRUE	4.56E-08
Allergic asthma	GCC2	rs6735080	A	G	-0.129	0.017	0.066	4.76E-14	-0.025	0.028	0.369	0.002	56.825	TRUE	9.18E-12
Allergic asthma	GCC2	rs6753886	A	G	-0.046	0.008	0.392	1.47E-08	-0.004	0.014	0.767	0.001	32.090	TRUE	1.52E-07
Allergic asthma	GCC2	rs71421351	A	G	-0.273	0.042	0.015	6.86E-11	-0.257	0.240	0.284	0.001	42.555	TRUE	6.45E-09
Allergic asthma	GCC2	rs72826944	A	G	-0.064	0.011	0.156	1.07E-08	0.010	0.018	0.599	0.001	32.711	TRUE	1.74E-07
Allergic asthma	GCC2	rs72831087	A	G	-0.195	0.032	0.019	7.03E-10	0.061	0.072	0.398	0.001	38.010	TRUE	3.01E-08
Allergic asthma	GCC2	rs72836509	T	C	-0.469	0.074	0.015	1.93E-10	-0.080	0.095	0.398	0.001	40.539	TRUE	9.94E-09
Allergic asthma	GCC2	rs72838303	A	G	-0.088	0.014	0.089	4.12E-10	0.042	0.024	0.078	0.001	39.053	TRUE	1.05E-07
Allergic asthma	GCC2	rs73952184	T	C	-0.185	0.023	0.037	6.52E-16	-0.091	0.047	0.053	0.002	65.270	TRUE	2.77E-12
Allergic asthma	GCC2	rs75134550	A	G	0.306	0.013	0.102	1.05E-117	-0.005	0.019	0.788	0.017	531.949	TRUE	1.01E-103
Allergic asthma	GCC2	rs75148200	G	A	0.283	0.020	0.051	2.00E-46	-0.038	0.036	0.291	0.006	204.660	TRUE	1.83E-39
Allergic asthma	GCC2	rs75495651	G	A	0.300	0.028	0.026	1.17E-26	-0.033	0.043	0.449	0.004	114.214	TRUE	8.00E-23
Allergic asthma	GCC2	rs7574949	G	A	-0.047	0.008	0.373	9.84E-09	0.000	0.014	0.996	0.001	32.870	TRUE	6.29E-08
Allergic asthma	GCC2	rs7590599	T	C	-0.091	0.008	0.395	5.99E-29	0.049	0.014	3.55E-04	0.004	124.667	TRUE	8.12E-21
Allergic asthma	GCC2	rs76008870	A	C	-0.559	0.038	0.020	1.78E-48	-0.046	0.099	0.643	0.007	214.052	TRUE	2.15E-42
Allergic asthma	GCC2	rs76297499	A	G	-0.530	0.027	0.028	6.04E-86	0.020	0.042	0.632	0.012	386.012	TRUE	3.04E-75
Allergic asthma	GCC2	rs76428252	T	C	0.109	0.015	0.077	6.66E-13	-0.019	0.025	0.437	0.002	51.638	TRUE	6.72E-11
Allergic asthma	GCC2	rs77428893	C	T	0.183	0.028	0.024	6.42E-11	-0.047	0.042	0.258	0.001	42.685	TRUE	6.85E-09
Allergic asthma	GCC2	rs77972536	C	T	-0.457	0.061	0.015	4.86E-14	0.050	0.052	0.337	0.002	56.782	TRUE	1.08E-11
Allergic asthma	GCC2	rs78778269	G	A	0.169	0.023	0.035	9.52E-14	-0.011	0.042	0.792	0.002	55.460	TRUE	3.86E-12
Allergic asthma	GCC2	rs80097433	A	G	-0.237	0.031	0.020	9.38E-15	-0.043	0.043	0.311	0.002	60.018	TRUE	2.98E-12
Allergic asthma	GCC2	rs831973	A	G	0.076	0.009	0.245	7.47E-16	-0.026	0.015	0.086	0.002	65.001	TRUE	1.88E-12
Allergic asthma	GCC2	rs855047	T	C	-0.120	0.009	0.268	1.75E-40	0.024	0.016	0.129	0.006	177.433	TRUE	1.62E-33
Allergic asthma	GLB1	rs11717007	C	A	0.200	0.009	0.230	9.39E-100	-0.043	0.015	0.004	0.014	449.447	TRUE	1.27E-80
Allergic asthma	GLB1	rs12186107	T	C	0.104	0.011	0.148	1.63E-19	-0.008	0.020	0.687	0.003	81.633	TRUE	4.70E-17
Allergic asthma	GLB1	rs148730537	T	C	0.214	0.027	0.027	5.34E-15	0.012	0.043	0.774	0.002	61.127	TRUE	3.23E-13
Allergic asthma	GLB1	rs35289681	A	G	-0.251	0.036	0.016	3.17E-12	0.082	0.032	0.010	0.002	48.578	TRUE	1.00E-08
Allergic asthma	GLB1	rs35480293	A	C	-0.178	0.011	0.171	5.68E-64	0.041	0.018	0.022	0.009	285.126	TRUE	5.88E-52
Allergic asthma	GLB1	rs35548241	G	A	-0.130	0.009	0.254	3.10E-46	-0.028	0.014	0.041	0.006	203.787	TRUE	1.87E-37
Allergic asthma	GLB1	rs60761526	G	A	-0.083	0.009	0.286	6.85E-21	-0.015	0.016	0.325	0.003	87.904	TRUE	1.54E-17
Allergic asthma	GLB1	rs62250478	T	C	0.088	0.008	0.393	6.26E-27	-0.044	0.014	0.002	0.004	115.448	TRUE	8.20E-20
Allergic asthma	GLB1	rs6773595	T	C	0.146	0.011	0.175	1.13E-43	-0.012	0.019	0.540	0.006	192.043	TRUE	6.73E-38
Allergic asthma	GLB1	rs7628519	T	G	0.052	0.009	0.257	1.41E-08	-0.001	0.016	0.953	0.001	32.165	TRUE	9.60E-08
Allergic asthma	GLB1	rs9810955	A	G	-0.228	0.029	0.020	8.83E-15	-0.089	0.080	0.265	0.002	60.136	TRUE	3.59E-12
Allergic asthma	GLB1	rs9827453	T	C	0.224	0.025	0.026	9.94E-19	-0.052	0.045	0.248	0.002	78.067	TRUE	1.75E-15
Allergic asthma	GLUD1	rs112669180	C	T	0.187	0.025	0.060	6.23E-14	0.008	0.029	0.780	0.002	56.295	TRUE	2.76E-12
Allergic asthma	GLUD1	rs4934282	C	A	0.081	0.012	0.436	1.26E-11	0.034	0.014	0.015	0.001	45.865	TRUE	2.27E-08
Allergic asthma	GLUD1	rs75121205	T	C	-0.176	0.019	0.141	1.29E-20	-0.070	0.020	4.14E-04	0.003	86.648	TRUE	2.52E-14
Allergic asthma	GLUD1	rs9420430	A	C	0.201	0.026	0.091	3.52E-15	0.027	0.019	0.157	0.002	61.945	TRUE	3.35E-12

Allergic asthma	GNAI2	rs2097247	T	C	-0.115	0.015	0.088	6.05E-15	0.053	0.020	0.007	0.002	60.883	TRUE	9.36E-11
Allergic asthma	GNS	rs1008159	C	T	-0.186	0.013	0.113	5.75E-50	-0.023	0.022	0.290	0.007	220.888	TRUE	1.59E-42
Allergic asthma	GNS	rs10459261	G	C	0.087	0.015	0.078	4.17E-09	0.037	0.026	0.145	0.001	34.542	TRUE	4.02E-07
Allergic asthma	GNS	rs111381048	T	G	-0.086	0.015	0.083	1.24E-08	-0.064	0.029	0.026	0.001	32.415	TRUE	3.46E-06
Allergic asthma	GNS	rs11175598	G	T	0.119	0.021	0.042	7.52E-09	-0.043	0.032	0.181	0.001	33.393	TRUE	5.33E-07
Allergic asthma	GNS	rs11175628	C	A	-0.094	0.014	0.100	9.28E-12	-0.007	0.020	0.751	0.001	46.471	TRUE	2.45E-10
Allergic asthma	GNS	rs1147093	A	G	-0.173	0.008	0.397	7.85E-102	-0.039	0.014	0.005	0.014	458.994	TRUE	1.23E-82
Allergic asthma	GNS	rs11615626	G	T	0.080	0.008	0.351	9.02E-22	0.016	0.014	0.237	0.003	91.916	TRUE	4.80E-18
Allergic asthma	GNS	rs12824259	T	C	0.125	0.011	0.158	4.74E-30	0.012	0.019	0.541	0.004	129.700	TRUE	5.45E-26
Allergic asthma	GNS	rs1373877	C	T	-0.085	0.008	0.464	5.98E-27	-0.017	0.014	0.204	0.004	115.538	TRUE	2.38E-22
Allergic asthma	GNS	rs143922148	T	C	0.151	0.024	0.032	1.20E-10	0.074	0.048	0.123	0.001	41.455	TRUE	2.55E-08
Allergic asthma	GNS	rs1566318	A	G	0.046	0.008	0.414	1.36E-08	-0.020	0.014	0.136	0.001	32.235	TRUE	1.13E-06
Allergic asthma	GNS	rs17100718	T	G	-0.156	0.021	0.041	2.44E-13	-0.079	0.040	0.048	0.002	53.615	TRUE	3.86E-10
Allergic asthma	GNS	rs1716487	T	G	0.064	0.008	0.450	1.11E-15	0.020	0.014	0.138	0.002	64.214	TRUE	1.50E-12
Allergic asthma	GNS	rs17823705	G	A	0.139	0.012	0.132	1.46E-32	0.028	0.016	0.081	0.004	141.187	TRUE	2.04E-26
Allergic asthma	GNS	rs34895146	T	C	0.163	0.023	0.040	6.35E-13	-0.014	0.040	0.733	0.002	51.733	TRUE	2.45E-11
Allergic asthma	GNS	rs59270299	C	T	-0.501	0.032	0.019	2.10E-54	-0.016	0.048	0.741	0.008	241.233	TRUE	7.09E-48
Allergic asthma	HAX1	rs10752613	A	T	-0.131	0.009	0.299	2.24E-51	0.027	0.015	0.066	0.007	227.349	TRUE	3.36E-42
Allergic asthma	HAX1	rs111484109	T	C	-0.151	0.026	0.030	9.47E-09	0.097	0.070	0.165	0.001	32.946	TRUE	7.00E-07
Allergic asthma	HAX1	rs111795967	A	G	0.157	0.024	0.034	1.20E-10	-0.039	0.039	0.311	0.001	41.455	TRUE	9.25E-09
Allergic asthma	HAX1	rs114147823	A	G	0.221	0.022	0.036	1.22E-23	-0.091	0.032	0.005	0.003	100.431	TRUE	1.50E-17
Allergic asthma	HAX1	rs115165870	A	G	-0.158	0.023	0.034	4.83E-12	-0.023	0.046	0.616	0.002	47.753	TRUE	2.05E-10
Allergic asthma	HAX1	rs116689813	G	T	-0.211	0.035	0.017	1.26E-09	-0.020	0.042	0.627	0.001	36.877	TRUE	2.51E-08
Allergic asthma	HAX1	rs1194607	T	C	-0.073	0.008	0.469	2.75E-20	0.044	0.014	0.001	0.003	85.154	TRUE	1.97E-14
Allergic asthma	HAX1	rs12041194	A	G	0.067	0.008	0.404	1.94E-16	-0.022	0.014	0.100	0.002	67.660	TRUE	5.14E-13
Allergic asthma	HAX1	rs12750321	G	A	0.253	0.009	0.282	2.76E-185	-0.036	0.014	0.009	0.026	842.683	TRUE	5.78E-154
Allergic asthma	HAX1	rs151150431	A	C	0.160	0.029	0.023	3.78E-08	0.104	0.057	0.068	0.001	30.257	TRUE	4.39E-06
Allergic asthma	HAX1	rs3103309	T	C	0.109	0.008	0.352	2.80E-39	0.043	0.015	0.004	0.005	171.924	TRUE	3.45E-30
Allergic asthma	HAX1	rs34450945	T	C	0.149	0.023	0.034	1.25E-10	-0.036	0.027	0.181	0.001	41.381	TRUE	1.79E-08
Allergic asthma	HAX1	rs61805539	A	G	0.187	0.026	0.031	2.98E-13	0.092	0.049	0.060	0.002	53.217	TRUE	3.70E-10
Allergic asthma	HAX1	rs74321826	T	G	0.237	0.028	0.026	4.21E-17	-0.036	0.037	0.330	0.002	70.670	TRUE	2.68E-14
Allergic asthma	HAX1	rs74957241	A	G	-0.138	0.014	0.095	1.49E-21	0.023	0.025	0.343	0.003	90.918	TRUE	3.77E-18
Allergic asthma	HAX1	rs75164063	A	G	0.234	0.037	0.016	1.94E-10	-0.112	0.036	0.002	0.001	40.529	TRUE	6.09E-07
Allergic asthma	HAX1	rs78314980	G	T	-0.143	0.019	0.054	1.69E-13	0.028	0.025	0.265	0.002	54.337	TRUE	4.39E-11
Allergic asthma	HPS6	rs1045232	C	T	-0.092	0.012	0.475	9.44E-15	-0.024	0.014	0.080	0.002	60.006	TRUE	1.66E-11
Allergic asthma	HPS6	rs111496314	A	G	0.279	0.045	0.017	8.25E-10	-0.083	0.058	0.156	0.001	37.697	TRUE	9.94E-08
Allergic asthma	HPS6	rs113816538	C	T	0.268	0.031	0.039	2.01E-18	0.031	0.029	0.292	0.002	76.680	TRUE	2.44E-15
Allergic asthma	HPS6	rs117027139	T	C	0.202	0.037	0.029	2.95E-08	-0.036	0.031	0.246	0.001	30.736	TRUE	1.23E-06
Allergic asthma	HPS6	rs12240453	A	C	0.193	0.030	0.042	6.16E-11	0.060	0.081	0.459	0.001	42.766	TRUE	3.05E-09
Allergic asthma	HPS6	rs12569597	C	T	-0.177	0.015	0.191	2.80E-32	0.051	0.020	0.010	0.004	139.888	TRUE	6.30E-25
Allergic asthma	HPS6	rs2025106	C	T	0.099	0.013	0.313	6.65E-15	-0.010	0.015	0.525	0.002	60.695	TRUE	9.08E-13
Allergic asthma	HPS6	rs61873996	A	G	0.264	0.031	0.037	3.10E-17	0.028	0.034	0.416	0.002	71.273	TRUE	1.36E-14

Allergic asthma	HPS6	rs61874100	A	G	0.604	0.029	0.054	2.26E-99	-0.062	0.025	0.013	0.014	447.691	TRUE	2.15E-81
Allergic asthma	HPS6	rs61874825	C	G	0.125	0.013	0.306	1.28E-22	-0.021	0.014	0.142	0.003	95.779	TRUE	2.11E-18
Allergic asthma	HPS6	rs72844622	A	G	-0.130	0.022	0.080	3.04E-09	-0.040	0.027	0.145	0.001	35.156	TRUE	3.11E-07
Allergic asthma	HSBP1	rs10514595	G	C	-0.143	0.010	0.188	3.04E-45	-0.014	0.019	0.468	0.006	199.235	TRUE	4.65E-39
Allergic asthma	HSBP1	rs111579720	T	G	0.151	0.016	0.065	5.57E-21	0.004	0.035	0.900	0.003	88.313	TRUE	1.07E-18
Allergic asthma	HSBP1	rs113217611	A	G	-0.117	0.015	0.083	3.16E-15	-0.015	0.026	0.560	0.002	62.159	TRUE	4.20E-13
Allergic asthma	HSBP1	rs116894224	G	A	-0.212	0.033	0.017	1.09E-10	0.083	0.055	0.131	0.001	41.644	TRUE	2.22E-08
Allergic asthma	HSBP1	rs117704271	G	A	0.136	0.023	0.033	1.75E-09	0.011	0.026	0.666	0.001	36.228	TRUE	3.03E-08
Allergic asthma	HSBP1	rs12933432	G	T	0.126	0.008	0.444	2.22E-56	-0.012	0.014	0.393	0.008	250.301	TRUE	1.66E-48
Allergic asthma	HSBP1	rs145028172	T	C	-0.151	0.021	0.039	1.84E-12	-0.044	0.032	0.174	0.002	49.641	TRUE	5.58E-10
Allergic asthma	HSBP1	rs254326	A	G	0.053	0.009	0.292	1.61E-09	-0.017	0.015	0.262	0.001	36.390	TRUE	1.01E-07
Allergic asthma	HSBP1	rs34704079	A	G	0.138	0.024	0.031	1.13E-08	-0.002	0.036	0.961	0.001	32.607	TRUE	7.70E-08
Allergic asthma	HSBP1	rs3784987	A	G	0.157	0.023	0.038	5.25E-12	-0.048	0.031	0.123	0.001	47.588	TRUE	1.94E-09
Allergic asthma	HSBP1	rs40009	A	G	0.059	0.008	0.479	1.73E-13	-0.028	0.014	0.041	0.002	54.290	TRUE	3.36E-10
Allergic asthma	HSBP1	rs432698	G	A	0.214	0.009	0.233	1.44E-116	-0.011	0.015	0.479	0.016	526.717	TRUE	2.26E-101
Allergic asthma	HSBP1	rs56338482	C	T	0.097	0.012	0.117	4.64E-15	0.015	0.020	0.433	0.002	61.402	TRUE	9.50E-13
Allergic asthma	HSBP1	rs57930285	A	G	0.079	0.010	0.225	1.32E-16	-0.008	0.015	0.600	0.002	68.415	TRUE	2.28E-14
Allergic asthma	HSBP1	rs62045430	A	C	-0.096	0.014	0.090	6.70E-12	0.051	0.032	0.108	0.001	47.112	TRUE	2.69E-09
Allergic asthma	HSBP1	rs62045432	T	C	-0.183	0.016	0.067	9.42E-29	0.041	0.030	0.175	0.004	123.772	TRUE	9.17E-24
Allergic asthma	HSBP1	rs707236	A	T	-0.279	0.008	0.326	1.71E-245	0.033	0.015	0.022	0.034	1119.644	TRUE	2.52E-206
Allergic asthma	HSBP1	rs75635096	G	A	-0.216	0.035	0.016	3.80E-10	-0.041	0.046	0.377	0.001	39.210	TRUE	1.91E-08
Allergic asthma	HSBP1	rs76089143	C	T	0.162	0.015	0.077	3.18E-26	0.006	0.023	0.808	0.004	112.227	TRUE	3.55E-23
Allergic asthma	HSBP1	rs76191599	C	A	0.538	0.025	0.026	6.00E-103	-0.047	0.029	0.104	0.014	464.122	TRUE	7.22E-87
Allergic asthma	HSBP1	rs78882792	A	G	0.186	0.030	0.019	6.94E-10	0.002	0.050	0.966	0.001	38.034	TRUE	6.34E-09
Allergic asthma	HSBP1	rs79742691	A	G	0.402	0.073	0.028	3.93E-08	-0.042	0.040	0.289	0.001	30.182	TRUE	1.32E-06
Allergic asthma	HTT	rs28652828	G	A	-0.170	0.027	0.030	3.72E-10	0.106	0.050	0.034	0.001	39.250	TRUE	1.83E-07
Allergic asthma	HTT	rs67950027	C	A	0.097	0.010	0.326	2.72E-20	-0.054	0.014	7.62E-05	0.003	85.176	TRUE	1.30E-13
Allergic asthma	IL10RA	rs113137102	A	C	-0.276	0.028	0.022	3.20E-22	0.097	0.061	0.112	0.003	93.964	TRUE	6.49E-18
Allergic asthma	IL10RA	rs12801144	G	A	-0.071	0.013	0.109	2.51E-08	0.032	0.022	0.157	0.001	31.052	TRUE	1.63E-06
Allergic asthma	IL10RA	rs1786188	A	G	0.095	0.011	0.158	2.84E-18	-0.005	0.019	0.772	0.002	75.991	TRUE	4.24E-16
Allergic asthma	IL10RA	rs4938467	C	T	-0.096	0.008	0.519	6.91E-34	-0.011	0.014	0.432	0.005	147.244	TRUE	4.63E-29
Allergic asthma	IL10RA	rs61598135	A	T	-0.391	0.016	0.065	3.92E-131	0.064	0.026	0.015	0.018	593.666	TRUE	1.51E-108
Allergic asthma	IL10RA	rs628269	G	A	-0.116	0.012	0.121	2.02E-21	0.007	0.018	0.679	0.003	90.324	TRUE	1.02E-18
Allergic asthma	INCA1	rs111731283	A	G	0.104	0.011	0.152	7.69E-21	-0.050	0.017	0.004	0.003	87.676	TRUE	2.90E-15
Allergic asthma	INCA1	rs238233	G	A	0.059	0.008	0.409	2.01E-13	-0.027	0.014	0.051	0.002	53.993	TRUE	3.14E-10
Allergic asthma	ING5	rs10933538	A	G	-0.123	0.009	0.339	2.32E-40	-0.007	0.015	0.659	0.006	176.874	TRUE	2.63E-35
Allergic asthma	ING5	rs111543205	A	G	0.292	0.024	0.137	2.14E-34	-0.120	0.023	2.98E-07	0.005	149.574	TRUE	6.90E-23
Allergic asthma	ING5	rs113344275	T	C	-0.287	0.034	0.027	7.30E-17	-0.011	0.046	0.808	0.002	69.585	TRUE	6.55E-15
Allergic asthma	ING5	rs138344891	G	A	0.439	0.059	0.015	1.32E-13	0.010	0.075	0.893	0.002	54.822	TRUE	3.81E-12
Allergic asthma	ING5	rs138516336	T	C	0.358	0.046	0.017	5.51E-15	0.023	0.068	0.740	0.002	61.067	TRUE	3.69E-13
Allergic asthma	ING5	rs138807997	G	A	-0.237	0.030	0.035	6.04E-15	0.051	0.042	0.225	0.002	60.886	TRUE	3.29E-12
Allergic asthma	ING5	rs139371963	T	C	0.391	0.037	0.020	2.18E-26	-0.035	0.034	0.310	0.004	112.973	TRUE	3.18E-22

Allergic asthma	ING5	rs139762431	G	A	0.243	0.034	0.021	7.19E-13	-0.030	0.035	0.393	0.002	51.489	TRUE	8.52E-11
Allergic asthma	ING5	rs139768259	A	G	0.373	0.048	0.017	7.52E-15	-0.076	0.071	0.289	0.002	60.453	TRUE	2.76E-12
Allergic asthma	ING5	rs140579879	C	T	-0.195	0.035	0.032	2.10E-08	0.038	0.029	0.188	0.001	31.399	TRUE	1.20E-06
Allergic asthma	ING5	rs143880669	C	T	-0.478	0.045	0.017	6.22E-26	-0.057	0.052	0.277	0.003	110.895	TRUE	9.85E-22
Allergic asthma	ING5	rs145604257	T	C	-0.441	0.042	0.019	4.95E-26	0.008	0.039	0.830	0.004	111.346	TRUE	4.77E-23
Allergic asthma	ING5	rs150499816	T	C	-0.436	0.024	0.042	1.19E-73	0.008	0.044	0.848	0.010	329.547	TRUE	3.70E-65
Allergic asthma	ING5	rs151090828	A	C	0.190	0.030	0.029	1.51E-10	-0.030	0.043	0.477	0.001	41.014	TRUE	6.22E-09
Allergic asthma	ING5	rs17440466	C	T	-0.076	0.013	0.130	7.63E-09	-0.003	0.018	0.876	0.001	33.365	TRUE	6.62E-08
Allergic asthma	ING5	rs34038381	G	A	0.151	0.026	0.036	1.25E-08	-0.032	0.040	0.433	0.001	32.413	TRUE	3.12E-07
Allergic asthma	ING5	rs35392728	G	T	-0.083	0.012	0.277	5.86E-12	0.003	0.014	0.855	0.001	47.373	TRUE	1.22E-10
Allergic asthma	ING5	rs35602166	C	T	0.287	0.048	0.015	2.10E-09	-0.067	0.047	0.153	0.001	35.873	TRUE	2.18E-07
Allergic asthma	ING5	rs4129022	T	C	-0.089	0.016	0.086	2.59E-08	-0.024	0.028	0.385	0.001	30.992	TRUE	6.72E-07
Allergic asthma	ING5	rs55729724	G	A	-0.102	0.011	0.215	4.24E-21	-0.014	0.018	0.426	0.003	88.856	TRUE	5.95E-18
Allergic asthma	ING5	rs62187414	T	C	0.060	0.009	0.309	2.09E-10	-0.017	0.014	0.220	0.001	40.376	TRUE	2.22E-08
Allergic asthma	ING5	rs62191180	A	G	0.154	0.014	0.180	2.24E-26	-0.055	0.020	0.006	0.004	112.922	TRUE	7.85E-20
Allergic asthma	ING5	rs62191280	C	G	0.148	0.014	0.139	6.99E-25	-0.022	0.018	0.229	0.003	106.099	TRUE	1.13E-20
Allergic asthma	ING5	rs6714449	A	G	-0.127	0.010	0.288	2.44E-38	0.049	0.016	0.002	0.005	167.619	TRUE	3.79E-29
Allergic asthma	ING5	rs6757704	T	C	-0.394	0.009	0.361	0.00E+00	0.040	0.014	0.004	0.053	1790.259	TRUE	0.00E+00
Allergic asthma	ING5	rs73006350	A	G	0.249	0.032	0.025	6.49E-15	-0.009	0.059	0.882	0.002	60.743	TRUE	2.73E-13
Allergic asthma	ING5	rs7370843	A	G	-0.135	0.019	0.312	1.67E-12	0.036	0.015	0.014	0.002	49.841	TRUE	4.73E-09
Allergic asthma	ING5	rs7424328	C	T	-0.101	0.013	0.487	5.30E-14	0.005	0.014	0.716	0.002	56.613	TRUE	2.91E-12
Allergic asthma	ING5	rs74562536	T	C	0.260	0.011	0.225	1.09E-119	-0.010	0.016	0.540	0.017	541.064	TRUE	2.16E-104
Allergic asthma	ING5	rs749264	A	C	-0.089	0.011	0.218	2.77E-17	0.007	0.017	0.703	0.002	71.497	TRUE	4.01E-15
Allergic asthma	ING5	rs7566006	C	G	0.091	0.011	0.200	8.11E-17	0.009	0.018	0.611	0.002	69.378	TRUE	1.43E-14
Allergic asthma	ING5	rs7588758	T	G	0.091	0.011	0.185	9.92E-16	-0.019	0.018	0.302	0.002	64.442	TRUE	4.60E-13
Allergic asthma	ING5	rs7593690	G	A	-0.097	0.010	0.279	2.95E-21	0.006	0.014	0.695	0.003	89.574	TRUE	1.34E-18
Allergic asthma	ING5	rs76562852	A	G	-0.493	0.071	0.044	3.47E-12	-0.084	0.099	0.396	0.002	48.402	TRUE	3.23E-10
Allergic asthma	ING5	rs77487769	G	T	0.422	0.038	0.047	6.77E-29	-0.055	0.032	0.082	0.004	124.426	TRUE	2.48E-23
Allergic asthma	ING5	rs79355916	A	G	-0.168	0.011	0.210	4.41E-55	0.013	0.017	0.453	0.008	244.342	TRUE	1.36E-47
Allergic asthma	ING5	rs79903057	T	C	-0.397	0.037	0.022	5.59E-27	0.066	0.034	0.050	0.004	115.671	TRUE	2.03E-21
Allergic asthma	ING5	rs80129469	T	C	-0.480	0.052	0.014	5.75E-20	0.040	0.045	0.381	0.003	83.699	TRUE	7.10E-17
Allergic asthma	IRF1	rs11741255	A	G	0.080	0.008	0.384	1.62E-22	-0.107	0.015	4.13E-13	0.003	95.310	TRUE	8.88E-12
Allergic asthma	IRF1	rs2548994	T	C	0.046	0.008	0.348	4.12E-08	-0.071	0.015	1.60E-06	0.001	30.090	TRUE	3.22E-04
Allergic asthma	IRF1	rs78686200	T	C	0.111	0.015	0.079	2.26E-13	-0.078	0.028	0.005	0.002	53.763	TRUE	2.05E-09
Allergic asthma	JAK2	rs10974967	C	A	-0.217	0.015	0.092	1.87E-48	-0.124	0.026	2.85E-06	0.007	213.959	TRUE	1.63E-34
Allergic asthma	JAK2	rs113786699	T	C	0.211	0.022	0.037	6.62E-22	0.023	0.028	0.407	0.003	92.527	TRUE	1.32E-18
Allergic asthma	JAK2	rs12377744	T	C	-0.221	0.019	0.050	1.76E-32	-0.046	0.025	0.060	0.004	140.812	TRUE	3.86E-26
Allergic asthma	JAK2	rs12684195	C	A	0.046	0.008	0.417	1.58E-08	-0.013	0.014	0.358	0.001	31.954	TRUE	4.82E-07
Allergic asthma	JAK2	rs139261028	A	G	0.196	0.025	0.031	8.59E-15	0.001	0.035	0.984	0.002	60.192	TRUE	2.56E-13
Allergic asthma	JAK2	rs1475105	C	T	-0.107	0.017	0.071	1.42E-10	-0.064	0.027	0.018	0.001	41.139	TRUE	1.33E-07
Allergic asthma	JAK2	rs1555477	T	C	0.063	0.008	0.404	1.32E-14	0.017	0.014	0.213	0.002	59.351	TRUE	6.84E-12
Allergic asthma	JAK2	rs2031754	C	A	0.107	0.009	0.242	9.67E-31	0.036	0.016	0.022	0.004	132.858	TRUE	4.48E-24

Allergic asthma	JAK2	rs2297136	G	A	-0.051	0.008	0.495	1.64E-10	0.000	0.014	0.981	0.001	40.858	TRUE	1.68E-09
Allergic asthma	JAK2	rs62541502	C	A	-0.068	0.012	0.119	3.01E-08	0.000	0.023	0.987	0.001	30.697	TRUE	1.74E-07
Allergic asthma	JAK2	rs62541558	G	A	0.168	0.018	0.052	5.57E-20	0.015	0.041	0.710	0.003	83.761	TRUE	1.67E-17
Allergic asthma	JAK2	rs6476941	T	C	0.201	0.008	0.467	8.57E-141	0.056	0.014	3.72E-05	0.020	638.080	TRUE	3.07E-111
Allergic asthma	JAK2	rs7035015	C	G	0.118	0.009	0.330	1.70E-43	0.029	0.015	0.049	0.006	191.236	TRUE	2.75E-35
Allergic asthma	JAK2	rs72701653	G	A	0.183	0.017	0.063	1.02E-26	0.015	0.031	0.617	0.004	114.470	TRUE	3.06E-23
Allergic asthma	JAK2	rs77533513	G	A	0.201	0.031	0.025	8.53E-11	0.072	0.027	0.007	0.001	42.130	TRUE	1.61E-07
Allergic asthma	JAK2	rs77551840	G	A	-0.218	0.021	0.048	1.50E-25	-0.018	0.021	0.402	0.003	109.153	TRUE	9.47E-22
Allergic asthma	JAK2	rs77845561	C	T	-0.196	0.031	0.022	1.92E-10	-0.010	0.028	0.730	0.001	40.541	TRUE	3.72E-09
Allergic asthma	JAK2	rs7854773	C	A	-0.069	0.009	0.556	1.31E-15	-0.031	0.014	0.026	0.002	63.897	TRUE	9.57E-12
Allergic asthma	JAK2	rs78745832	T	C	0.099	0.014	0.085	4.61E-12	0.000	0.027	0.993	0.002	47.842	TRUE	6.75E-11
Allergic asthma	KAT5	rs502468	T	G	-0.056	0.008	0.504	3.75E-12	0.042	0.014	0.002	0.002	48.247	TRUE	2.79E-08
Allergic asthma	LIPA	rs10749600	A	G	0.324	0.008	0.486	0.00E+00	0.024	0.014	0.075	0.052	1754.584	TRUE	0.00E+00
Allergic asthma	LIPA	rs10887918	C	T	0.180	0.009	0.415	8.62E-99	0.008	0.014	0.549	0.014	445.019	TRUE	3.64E-86
Allergic asthma	LIPA	rs10887941	A	G	0.289	0.010	0.204	7.28E-192	0.023	0.015	0.117	0.027	872.941	TRUE	1.55E-163
Allergic asthma	LIPA	rs10887954	T	C	0.263	0.023	0.030	4.59E-29	0.012	0.029	0.672	0.004	125.200	TRUE	2.06E-25
Allergic asthma	LIPA	rs1111713	G	A	-0.053	0.009	0.265	3.52E-09	0.004	0.015	0.801	0.001	34.869	TRUE	3.99E-08
Allergic asthma	LIPA	rs111246675	G	A	-0.353	0.018	0.061	3.01E-90	0.012	0.034	0.716	0.013	405.772	TRUE	2.52E-79
Allergic asthma	LIPA	rs111415372	C	T	-0.149	0.019	0.048	1.14E-15	-0.071	0.032	0.027	0.002	64.169	TRUE	8.47E-12
Allergic asthma	LIPA	rs11185791	G	C	0.125	0.010	0.177	1.54E-33	-0.037	0.017	0.030	0.005	145.655	TRUE	1.42E-26
Allergic asthma	LIPA	rs11202932	A	C	0.052	0.008	0.504	8.10E-11	0.023	0.014	0.097	0.001	42.232	TRUE	2.31E-08
Allergic asthma	LIPA	rs11203117	C	T	0.546	0.022	0.037	3.79E-131	0.045	0.064	0.480	0.018	593.731	TRUE	4.31E-114
Allergic asthma	LIPA	rs11203136	C	T	-0.115	0.010	0.210	2.27E-32	-0.003	0.015	0.860	0.004	140.309	TRUE	1.03E-28
Allergic asthma	LIPA	rs11203148	A	G	-0.406	0.026	0.027	2.16E-54	-0.019	0.063	0.769	0.008	241.178	TRUE	6.09E-48
Allergic asthma	LIPA	rs112500750	T	C	0.267	0.040	0.014	1.94E-11	0.060	0.090	0.505	0.001	45.029	TRUE	9.69E-10
Allergic asthma	LIPA	rs115859966	A	G	-0.344	0.037	0.019	3.61E-20	-0.009	0.086	0.918	0.003	84.620	TRUE	5.28E-18
Allergic asthma	LIPA	rs11591995	G	A	-0.423	0.030	0.021	9.05E-45	-0.107	0.070	0.129	0.006	197.070	TRUE	3.56E-37
Allergic asthma	LIPA	rs117007968	T	C	0.152	0.027	0.023	2.59E-08	-0.002	0.059	0.968	0.001	30.994	TRUE	1.59E-07
Allergic asthma	LIPA	rs117621443	A	G	-0.235	0.038	0.015	5.12E-10	-0.031	0.067	0.647	0.001	38.629	TRUE	1.09E-08
Allergic asthma	LIPA	rs117681618	A	G	-0.596	0.069	0.014	6.40E-18	-0.032	0.063	0.606	0.002	74.389	TRUE	1.59E-15
Allergic asthma	LIPA	rs117699321	C	T	-0.156	0.016	0.070	8.93E-22	0.024	0.029	0.399	0.003	91.935	TRUE	1.78E-18
Allergic asthma	LIPA	rs117914848	T	C	-0.155	0.022	0.038	9.13E-13	-0.019	0.034	0.582	0.002	51.019	TRUE	5.37E-11
Allergic asthma	LIPA	rs118025778	G	A	-0.379	0.022	0.037	1.07E-65	-0.049	0.055	0.371	0.009	293.034	TRUE	1.58E-56
Allergic asthma	LIPA	rs12240489	T	C	-0.158	0.014	0.086	5.11E-29	0.031	0.025	0.213	0.004	124.985	TRUE	3.73E-24
Allergic asthma	LIPA	rs12263699	A	C	0.097	0.017	0.061	8.55E-09	-0.004	0.038	0.915	0.001	33.143	TRUE	6.69E-08
Allergic asthma	LIPA	rs12777240	T	C	-0.068	0.008	0.465	1.73E-17	-0.001	0.014	0.934	0.002	72.429	TRUE	1.20E-15
Allergic asthma	LIPA	rs1359623	C	A	-0.131	0.008	0.464	4.52E-61	0.015	0.014	0.271	0.009	271.818	TRUE	4.71E-52
Allergic asthma	LIPA	rs140433253	A	G	-0.368	0.020	0.049	1.65E-74	-0.036	0.026	0.163	0.010	333.487	TRUE	5.51E-63
Allergic asthma	LIPA	rs142165632	C	T	-0.191	0.035	0.019	4.45E-08	0.021	0.033	0.522	0.001	29.941	TRUE	7.26E-07
Allergic asthma	LIPA	rs142950184	G	A	-0.462	0.037	0.015	9.97E-36	0.023	0.051	0.652	0.005	155.666	TRUE	3.21E-31
Allergic asthma	LIPA	rs143231574	C	T	-0.211	0.033	0.019	1.46E-10	0.132	0.100	0.187	0.001	41.078	TRUE	1.96E-08
Allergic asthma	LIPA	rs143376929	G	A	-0.280	0.036	0.017	6.61E-15	-0.039	0.046	0.394	0.002	60.708	TRUE	1.51E-12

Allergic asthma	LIPA	rs144512428	A	G	0.238	0.034	0.019	2.05E-12	0.022	0.031	0.490	0.002	49.432	TRUE	1.46E-10
Allergic asthma	LIPA	rs144548322	T	C	-0.224	0.029	0.021	1.82E-14	-0.086	0.039	0.028	0.002	58.715	TRUE	7.51E-11
Allergic asthma	LIPA	rs144754510	A	G	-0.283	0.010	0.204	4.57E-181	0.000	0.018	0.997	0.025	823.276	TRUE	3.07E-160
Allergic asthma	LIPA	rs146055396	A	G	-0.275	0.042	0.016	4.69E-11	-0.013	0.083	0.877	0.001	43.302	TRUE	7.26E-10
Allergic asthma	LIPA	rs146475454	G	T	0.265	0.026	0.026	9.08E-25	0.065	0.045	0.149	0.003	105.581	TRUE	2.97E-20
Allergic asthma	LIPA	rs147548242	G	A	-0.154	0.020	0.044	3.40E-15	0.033	0.024	0.168	0.002	62.015	TRUE	2.98E-12
Allergic asthma	LIPA	rs148447968	T	C	0.432	0.030	0.020	5.20E-48	0.082	0.036	0.021	0.007	211.922	TRUE	1.79E-38
Allergic asthma	LIPA	rs148509831	A	G	0.199	0.023	0.038	1.26E-18	0.002	0.045	0.958	0.002	77.604	TRUE	1.07E-16
Allergic asthma	LIPA	rs149358241	G	A	-0.362	0.028	0.024	1.35E-38	0.005	0.041	0.901	0.005	168.797	TRUE	2.60E-34
Allergic asthma	LIPA	rs150402819	A	C	0.292	0.033	0.019	1.70E-18	-0.024	0.038	0.529	0.002	77.003	TRUE	6.79E-16
Allergic asthma	LIPA	rs150520435	A	G	0.221	0.030	0.020	1.11E-13	0.031	0.052	0.556	0.002	55.151	TRUE	9.39E-12
Allergic asthma	LIPA	rs150729260	A	G	0.138	0.017	0.058	9.40E-16	-0.049	0.032	0.123	0.002	64.548	TRUE	1.49E-12
Allergic asthma	LIPA	rs1661281	A	G	0.052	0.009	0.315	1.12E-09	-0.001	0.014	0.968	0.001	37.095	TRUE	9.70E-09
Allergic asthma	LIPA	rs17114183	G	T	0.111	0.014	0.093	6.47E-16	0.020	0.028	0.479	0.002	65.285	TRUE	1.44E-13
Allergic asthma	LIPA	rs17387573	T	C	0.394	0.058	0.012	1.09E-11	0.000	0.127	0.998	0.001	46.153	TRUE	1.44E-10
Allergic asthma	LIPA	rs188493056	A	C	0.615	0.030	0.021	1.49E-94	-0.014	0.043	0.743	0.013	425.545	TRUE	3.30E-83
Allergic asthma	LIPA	rs1892335	T	C	0.103	0.009	0.254	8.72E-30	0.027	0.015	0.069	0.004	128.493	TRUE	5.78E-24
Allergic asthma	LIPA	rs189781717	G	T	-0.124	0.016	0.087	3.53E-14	0.036	0.023	0.111	0.002	57.410	TRUE	3.43E-11
Allergic asthma	LIPA	rs1937336	T	A	0.187	0.008	0.358	8.42E-115	0.017	0.014	0.216	0.016	518.593	TRUE	3.16E-98
Allergic asthma	LIPA	rs2026560	T	C	0.258	0.015	0.075	7.53E-63	-0.029	0.023	0.219	0.009	279.974	TRUE	2.62E-53
Allergic asthma	LIPA	rs2071511	T	C	-0.260	0.009	0.423	1.53E-200	0.001	0.014	0.958	0.028	912.858	TRUE	4.33E-177
Allergic asthma	LIPA	rs2105437	A	G	0.055	0.008	0.394	2.20E-11	0.004	0.014	0.793	0.001	44.785	TRUE	4.65E-10
Allergic asthma	LIPA	rs2254747	C	T	0.218	0.010	0.174	6.07E-97	0.013	0.017	0.420	0.014	436.530	TRUE	5.73E-84
Allergic asthma	LIPA	rs2482627	A	G	0.886	0.023	0.034	0.00E+00	0.045	0.040	0.266	0.046	1534.941	TRUE	5.24E-289
Allergic asthma	LIPA	rs2576174	C	T	-0.056	0.008	0.474	1.64E-12	-0.003	0.014	0.803	0.002	49.866	TRUE	4.60E-11
Allergic asthma	LIPA	rs2862829	C	T	0.056	0.010	0.347	4.66E-09	-0.006	0.014	0.658	0.001	34.323	TRUE	7.27E-08
Allergic asthma	LIPA	rs2902446	T	C	0.112	0.020	0.046	2.33E-08	-0.024	0.037	0.515	0.001	31.195	TRUE	4.23E-07
Allergic asthma	LIPA	rs303482	T	G	0.343	0.027	0.026	2.12E-37	-0.016	0.037	0.666	0.005	163.318	TRUE	1.01E-32
Allergic asthma	LIPA	rs34343174	T	G	0.062	0.011	0.160	1.32E-08	0.009	0.017	0.604	0.001	32.297	TRUE	2.06E-07
Allergic asthma	LIPA	rs41317026	A	G	0.219	0.030	0.021	1.83E-13	-0.060	0.039	0.123	0.002	54.178	TRUE	1.20E-10
Allergic asthma	LIPA	rs4370841	C	G	-0.171	0.029	0.020	4.39E-09	0.025	0.042	0.554	0.001	34.441	TRUE	9.05E-08
Allergic asthma	LIPA	rs4448605	A	G	-0.146	0.015	0.071	3.03E-21	0.034	0.038	0.371	0.003	89.516	TRUE	5.93E-18
Allergic asthma	LIPA	rs4933503	G	T	0.283	0.011	0.171	3.32E-159	0.013	0.018	0.483	0.022	722.741	TRUE	1.53E-138
Allergic asthma	LIPA	rs497191	G	A	-0.195	0.009	0.295	1.36E-112	0.002	0.017	0.896	0.016	508.452	TRUE	1.19E-99
Allergic asthma	LIPA	rs57144189	A	G	0.250	0.010	0.178	1.37E-129	0.014	0.019	0.447	0.018	586.575	TRUE	1.47E-112
Allergic asthma	LIPA	rs61853119	C	A	0.317	0.024	0.030	2.34E-39	-0.069	0.062	0.266	0.005	172.281	TRUE	2.96E-33
Allergic asthma	LIPA	rs61871174	T	C	0.081	0.012	0.156	1.09E-11	-0.035	0.020	0.078	0.001	46.155	TRUE	5.48E-09
Allergic asthma	LIPA	rs6586169	A	C	0.050	0.009	0.512	9.77E-09	0.018	0.014	0.189	0.001	32.884	TRUE	6.36E-07
Allergic asthma	LIPA	rs6586196	C	T	-0.123	0.009	0.290	3.65E-45	0.032	0.015	0.030	0.006	198.875	TRUE	2.55E-36
Allergic asthma	LIPA	rs67539223	T	C	-0.119	0.011	0.145	3.99E-26	-0.014	0.018	0.441	0.004	111.774	TRUE	2.43E-22
Allergic asthma	LIPA	rs7069914	G	A	0.501	0.022	0.035	2.66E-117	0.074	0.033	0.027	0.016	530.091	TRUE	2.02E-97
Allergic asthma	LIPA	rs72809344	C	T	-0.145	0.024	0.032	1.04E-09	0.005	0.044	0.912	0.001	37.251	TRUE	1.04E-08

Allergic asthma	LIPA	rs72814703	C	A	-0.369	0.030	0.023	7.47E-35	-0.006	0.035	0.871	0.005	151.664	TRUE	6.24E-31
Allergic asthma	LIPA	rs72814792	G	A	-0.358	0.028	0.024	1.36E-36	0.015	0.066	0.816	0.005	159.619	TRUE	2.38E-32
Allergic asthma	LIPA	rs72816710	T	G	0.546	0.028	0.024	1.04E-87	0.052	0.051	0.308	0.012	394.108	TRUE	2.35E-75
Allergic asthma	LIPA	rs74648203	C	T	-0.113	0.019	0.050	1.56E-09	-0.021	0.023	0.374	0.001	36.453	TRUE	6.43E-08
Allergic asthma	LIPA	rs74793733	C	T	-0.113	0.014	0.087	1.11E-15	-0.015	0.026	0.571	0.002	64.227	TRUE	1.61E-13
Allergic asthma	LIPA	rs75186650	C	A	0.145	0.015	0.088	8.53E-23	-0.010	0.024	0.688	0.003	96.584	TRUE	6.15E-20
Allergic asthma	LIPA	rs75982512	A	G	0.470	0.027	0.024	2.89E-68	-0.037	0.051	0.468	0.010	304.832	TRUE	3.71E-59
Allergic asthma	LIPA	rs76239463	T	C	-0.231	0.038	0.015	1.03E-09	-0.038	0.062	0.544	0.001	37.269	TRUE	2.66E-08
Allergic asthma	LIPA	rs77354255	G	A	0.266	0.030	0.021	7.13E-19	-0.029	0.066	0.663	0.002	78.722	TRUE	1.87E-16
Allergic asthma	LIPA	rs77389023	A	G	-0.356	0.011	0.146	1.75E-214	-0.032	0.017	0.063	0.030	976.999	TRUE	9.47E-182
Allergic asthma	LIPA	rs77595083	A	C	-0.157	0.019	0.051	2.31E-17	0.057	0.032	0.072	0.002	71.858	TRUE	1.29E-13
Allergic asthma	LIPA	rs78319414	A	G	-0.367	0.024	0.033	2.71E-54	0.012	0.033	0.715	0.008	240.725	TRUE	1.05E-47
Allergic asthma	LIPA	rs7901936	T	C	0.314	0.022	0.035	8.77E-48	-0.013	0.038	0.743	0.007	210.882	TRUE	4.77E-42
Allergic asthma	LIPA	rs79088820	A	G	0.175	0.022	0.039	5.07E-16	-0.034	0.028	0.237	0.002	65.765	TRUE	3.75E-13
Allergic asthma	LIPA	rs7917083	A	G	0.057	0.009	0.301	7.69E-11	-0.013	0.015	0.378	0.001	42.333	TRUE	4.89E-09
Allergic asthma	LIPA	rs7918404	C	T	0.345	0.024	0.029	2.87E-48	-0.007	0.038	0.864	0.007	213.106	TRUE	8.75E-43
Allergic asthma	LIPA	rs7922797	G	A	-0.068	0.009	0.261	5.38E-14	-0.001	0.015	0.955	0.002	56.583	TRUE	1.43E-12
Allergic asthma	LIPA	rs79448645	T	C	0.198	0.029	0.022	4.62E-12	-0.009	0.042	0.831	0.002	47.839	TRUE	1.06E-10
Allergic asthma	LIPA	rs80030105	A	G	-0.271	0.039	0.016	2.37E-12	0.005	0.053	0.932	0.002	49.148	TRUE	4.43E-11
Allergic asthma	LIPA	rs9658706	G	A	-0.150	0.013	0.098	9.06E-29	-0.026	0.028	0.364	0.004	123.846	TRUE	1.96E-24
Allergic asthma	LIPA	rs9658771	A	G	0.252	0.033	0.020	3.04E-14	0.024	0.057	0.672	0.002	57.708	TRUE	2.06E-12
Allergic asthma	MAN2B1	rs10411504	G	A	-0.195	0.028	0.141	6.12E-12	0.004	0.017	0.805	0.001	47.288	TRUE	1.46E-10
Allergic asthma	MAN2B1	rs10469365	G	A	-1.081	0.031	0.082	1.96E-263	0.050	0.025	0.045	0.037	1202.196	TRUE	6.88E-223
Allergic asthma	MAN2B1	rs111802006	A	G	-0.420	0.065	0.023	1.09E-10	-0.007	0.039	0.850	0.001	41.659	TRUE	1.64E-09
Allergic asthma	MAN2B1	rs112346514	T	C	-0.438	0.044	0.028	6.50E-23	0.029	0.036	0.410	0.003	97.123	TRUE	1.74E-19
Allergic asthma	MAN2B1	rs141769659	G	C	0.388	0.041	0.058	7.23E-21	-0.059	0.030	0.052	0.003	87.799	TRUE	2.38E-16
Allergic asthma	MAN2B1	rs190982208	G	A	0.276	0.043	0.043	1.87E-10	-0.039	0.026	0.133	0.001	40.595	TRUE	3.40E-08
Allergic asthma	MAN2B1	rs2238641	C	T	-0.132	0.015	0.357	6.44E-18	-0.002	0.015	0.887	0.002	74.376	TRUE	5.85E-16
Allergic asthma	MAN2B1	rs28559848	A	T	-0.165	0.019	0.191	5.03E-18	0.013	0.020	0.539	0.002	74.862	TRUE	1.67E-15
Allergic asthma	MAN2B1	rs4804732	A	G	0.191	0.018	0.352	3.57E-25	0.000	0.014	0.997	0.003	107.431	TRUE	1.38E-22
Allergic asthma	MAN2B1	rs4926298	A	G	-0.179	0.015	0.345	2.91E-31	0.028	0.015	0.070	0.004	135.243	TRUE	3.25E-25
Allergic asthma	MAN2B1	rs55668927	T	A	0.195	0.035	0.067	2.96E-08	0.007	0.030	0.817	0.001	30.732	TRUE	2.51E-07
Allergic asthma	MAN2B1	rs62109872	A	G	-0.507	0.053	0.032	1.48E-21	0.008	0.033	0.817	0.003	90.937	TRUE	4.55E-19
Allergic asthma	MAN2B1	rs7251834	A	G	0.261	0.047	0.046	2.06E-08	-0.015	0.059	0.793	0.001	31.432	TRUE	1.93E-07
Allergic asthma	MAN2B1	rs74789101	A	G	-0.383	0.065	0.021	3.85E-09	-0.019	0.056	0.736	0.001	34.695	TRUE	5.06E-08
Allergic asthma	MAN2B1	rs74931926	A	G	0.275	0.030	0.094	5.81E-20	0.006	0.026	0.801	0.003	83.677	TRUE	1.24E-17
Allergic asthma	MAN2B1	rs752340	A	G	0.092	0.016	0.282	1.92E-08	-0.036	0.015	0.019	0.001	31.569	TRUE	5.82E-06
Allergic asthma	MAN2B1	rs75383940	G	T	-0.664	0.064	0.023	6.52E-25	0.002	0.048	0.964	0.003	106.236	TRUE	2.71E-22
Allergic asthma	MAN2B1	rs76933487	G	A	-1.041	0.080	0.017	4.42E-39	0.092	0.045	0.040	0.005	171.014	TRUE	2.06E-31
Allergic asthma	MAN2B1	rs78893384	C	T	0.419	0.056	0.029	1.06E-13	-0.071	0.040	0.075	0.002	55.258	TRUE	1.27E-10
Allergic asthma	MAN2B1	rs79827127	G	C	-0.567	0.067	0.020	1.71E-17	0.029	0.042	0.488	0.002	72.450	TRUE	5.97E-15
Allergic asthma	MAN2B1	rs8107196	G	C	0.347	0.015	0.360	2.10E-119	-0.032	0.015	0.031	0.017	539.750	TRUE	2.17E-99

Allergic asthma	MANBA	rs139225366	C	T	0.282	0.037	0.019	3.72E-14	-0.015	0.050	0.770	0.002	57.310	TRUE	1.80E-12
Allergic asthma	MANBA	rs141190853	T	C	-0.149	0.018	0.066	2.61E-17	-0.016	0.028	0.568	0.002	71.615	TRUE	6.26E-15
Allergic asthma	MANBA	rs17033239	C	A	-0.114	0.015	0.088	6.22E-14	0.060	0.018	9.25E-04	0.002	56.298	TRUE	2.09E-09
Allergic asthma	MANBA	rs223364	T	C	0.243	0.009	0.342	7.60E-167	-0.038	0.014	0.007	0.023	757.872	TRUE	6.72E-138
Allergic asthma	MANBA	rs28444377	C	A	0.118	0.010	0.222	5.90E-35	-0.022	0.018	0.223	0.005	152.132	TRUE	2.77E-29
Allergic asthma	MANBA	rs28545534	A	G	-0.199	0.036	0.021	2.62E-08	-0.034	0.040	0.395	0.001	30.972	TRUE	6.58E-07
Allergic asthma	MANBA	rs34711817	A	G	0.150	0.014	0.083	2.54E-25	0.024	0.028	0.387	0.003	108.102	TRUE	1.64E-21
Allergic asthma	MANBA	rs3733209	C	T	0.179	0.021	0.039	3.34E-18	-0.039	0.048	0.413	0.002	75.672	TRUE	2.02E-15
Allergic asthma	MANBA	rs72668651	A	T	0.134	0.018	0.054	2.24E-14	-0.001	0.035	0.973	0.002	58.308	TRUE	6.19E-13
Allergic asthma	MANBA	rs7674640	C	T	-0.109	0.008	0.501	8.51E-43	0.020	0.013	0.142	0.006	188.028	TRUE	1.41E-35
Allergic asthma	MAP1LC3B	rs10221075	T	G	-0.338	0.061	0.019	3.13E-08	0.087	0.167	0.605	0.001	30.625	TRUE	4.34E-07
Allergic asthma	MAP1LC3B	rs116740819	C	T	-0.370	0.042	0.021	1.51E-18	-0.002	0.046	0.958	0.002	77.234	TRUE	1.26E-16
Allergic asthma	MAP1LC3B	rs117653735	G	T	0.195	0.032	0.040	7.28E-10	0.000	0.025	0.999	0.001	37.941	TRUE	6.09E-09
Allergic asthma	MAP1LC3B	rs12051223	A	G	-0.201	0.022	0.114	3.88E-20	0.033	0.018	0.068	0.003	84.477	TRUE	6.83E-16
Allergic asthma	MAP1LC3B	rs12918379	T	C	-0.073	0.013	0.296	1.95E-08	0.018	0.015	0.231	0.001	31.538	TRUE	9.27E-07
Allergic asthma	MAP1LC3B	rs141055621	A	G	0.355	0.060	0.015	4.25E-09	-0.172	0.165	0.298	0.001	34.504	TRUE	1.97E-07
Allergic asthma	MAP1LC3B	rs2277850	G	A	0.137	0.012	0.394	5.37E-30	-0.007	0.014	0.604	0.004	129.455	TRUE	4.38E-26
Allergic asthma	MAP1LC3B	rs28449447	A	G	-0.101	0.014	0.352	5.14E-13	-0.007	0.014	0.625	0.002	52.147	TRUE	2.83E-11
Allergic asthma	MAP1LC3B	rs28607955	G	A	-0.799	0.026	0.053	2.59E-208	-0.004	0.041	0.928	0.029	948.607	TRUE	1.00E-183
Allergic asthma	MAP1LC3B	rs35674809	A	G	-0.280	0.031	0.053	1.09E-19	-0.006	0.030	0.848	0.003	82.434	TRUE	1.81E-17
Allergic asthma	MAP1LC3B	rs4359440	A	G	-0.201	0.017	0.139	5.55E-32	-0.015	0.022	0.513	0.004	138.534	TRUE	1.30E-27
Allergic asthma	MAP1LC3B	rs4843580	C	G	-0.094	0.014	0.230	2.03E-11	0.014	0.015	0.353	0.001	44.938	TRUE	1.73E-09
Allergic asthma	MAP1LC3B	rs4843598	C	A	-0.231	0.025	0.061	9.58E-21	0.042	0.040	0.292	0.003	87.241	TRUE	2.52E-17
Allergic asthma	MAP1LC3B	rs4843667	G	A	-0.079	0.014	0.240	2.02E-08	0.000	0.015	0.987	0.001	31.474	TRUE	1.22E-07
Allergic asthma	MAP1LC3B	rs56133944	T	C	0.149	0.025	0.059	4.39E-09	-0.004	0.035	0.902	0.001	34.438	TRUE	3.81E-08
Allergic asthma	MAP1LC3B	rs58134308	C	T	-0.097	0.012	0.457	4.79E-16	-0.012	0.014	0.360	0.002	65.879	TRUE	1.85E-13
Allergic asthma	MAP1LC3B	rs71390902	C	T	-0.158	0.021	0.088	1.82E-13	-0.039	0.021	0.059	0.002	54.184	TRUE	2.51E-10
Allergic asthma	MAP1LC3B	rs77019223	G	A	0.249	0.026	0.076	2.38E-21	-0.020	0.025	0.419	0.003	89.994	TRUE	3.74E-18
Allergic asthma	MAP1LC3B	rs77615431	C	T	0.216	0.028	0.071	6.80E-15	0.022	0.027	0.426	0.002	60.652	TRUE	1.36E-12
Allergic asthma	MAP1LC3B	rs77684320	T	G	-0.376	0.054	0.017	2.89E-12	-0.037	0.111	0.742	0.002	48.762	TRUE	9.00E-11
Allergic asthma	MAP1LC3B	rs77911937	C	T	-0.243	0.043	0.024	1.14E-08	0.005	0.040	0.899	0.001	32.581	TRUE	8.97E-08
Allergic asthma	MAP1LC3B	rs80157344	G	A	-0.552	0.076	0.013	3.35E-13	0.001	0.115	0.996	0.002	52.989	TRUE	6.46E-12
Allergic asthma	MAP1LC3B	rs8051861	A	G	0.101	0.015	0.208	3.01E-11	0.010	0.017	0.565	0.001	44.170	TRUE	1.18E-09
Allergic asthma	MAP1LC3B	rs8059509	T	C	-0.379	0.022	0.078	1.16E-67	0.037	0.019	0.050	0.009	302.059	TRUE	8.49E-56
Allergic asthma	MAP1LC3B	rs862225	T	C	0.142	0.023	0.075	4.15E-10	-0.021	0.029	0.474	0.001	39.040	TRUE	1.50E-08
Allergic asthma	MAP3K5	rs117080800	T	C	-0.400	0.054	0.017	1.46E-13	0.034	0.060	0.571	0.002	54.623	TRUE	1.13E-11
Allergic asthma	MAP3K5	rs11758584	T	C	-0.338	0.031	0.037	2.14E-27	0.003	0.034	0.923	0.004	117.576	TRUE	2.00E-24
Allergic asthma	MAP3K5	rs117729710	G	A	0.315	0.053	0.017	3.38E-09	-0.078	0.085	0.354	0.001	34.947	TRUE	1.33E-07
Allergic asthma	MAP3K5	rs13209304	A	G	-0.172	0.023	0.077	1.99E-13	-0.007	0.031	0.819	0.002	54.007	TRUE	6.84E-12
Allergic asthma	MAP3K5	rs138857274	A	G	0.276	0.042	0.028	5.50E-11	-0.071	0.036	0.050	0.001	42.986	TRUE	3.00E-08
Allergic asthma	MAP3K5	rs139449562	A	G	-0.302	0.034	0.031	1.08E-18	0.038	0.032	0.237	0.002	77.894	TRUE	2.02E-15
Allergic asthma	MAP3K5	rs143817851	G	A	-0.365	0.048	0.022	3.07E-14	-0.057	0.051	0.262	0.002	57.683	TRUE	1.06E-11

Allergic asthma	MAP3K5	rs17654215	C	T	-0.368	0.028	0.064	7.48E-39	0.001	0.035	0.966	0.005	169.969	TRUE	1.10E-34
Allergic asthma	MAP3K5	rs1775321	G	A	0.087	0.014	0.251	2.04E-10	-0.018	0.015	0.238	0.001	40.421	TRUE	1.99E-08
Allergic asthma	MAP3K5	rs2064205	T	C	-0.082	0.012	0.376	1.55E-11	0.009	0.014	0.487	0.001	45.468	TRUE	8.46E-10
Allergic asthma	MAP3K5	rs2185114	G	A	-0.365	0.061	0.015	2.36E-09	0.186	0.094	0.048	0.001	35.653	TRUE	6.18E-07
Allergic asthma	MAP3K5	rs3765259	C	T	0.142	0.013	0.478	4.55E-27	-0.001	0.014	0.950	0.004	116.081	TRUE	3.48E-24
Allergic asthma	MAP3K5	rs56167634	G	A	0.341	0.031	0.051	3.13E-28	-0.039	0.034	0.256	0.004	121.389	TRUE	1.23E-23
Allergic asthma	MAP3K5	rs56835004	T	C	0.119	0.016	0.160	1.37E-13	-0.026	0.019	0.171	0.002	54.741	TRUE	6.47E-11
Allergic asthma	MAP3K5	rs61522631	A	G	-0.399	0.023	0.070	9.65E-68	-0.005	0.021	0.809	0.009	302.427	TRUE	7.94E-60
Allergic asthma	MAP3K5	rs62420662	A	C	0.233	0.042	0.028	2.02E-08	-0.036	0.045	0.417	0.001	31.474	TRUE	4.95E-07
Allergic asthma	MAP3K5	rs6924387	G	A	-0.451	0.011	0.414	0.00E+00	0.039	0.014	0.004	0.047	1557.360	TRUE	6.06E-284
Allergic asthma	MAP3K5	rs72981606	G	T	-0.377	0.054	0.018	2.92E-12	-0.034	0.045	0.455	0.002	48.740	TRUE	2.25E-10
Allergic asthma	MAP3K5	rs74299342	G	T	-0.149	0.020	0.131	2.25E-14	0.017	0.021	0.416	0.002	58.298	TRUE	3.97E-12
Allergic asthma	MAP3K5	rs76677227	T	C	-0.475	0.044	0.022	8.34E-27	0.034	0.039	0.381	0.004	114.877	TRUE	8.82E-23
Allergic asthma	MAP3K5	rs7739002	A	C	0.251	0.019	0.112	2.62E-40	0.022	0.022	0.308	0.006	176.628	TRUE	3.10E-34
Allergic asthma	MAP3K5	rs7745532	A	G	-0.195	0.012	0.417	2.10E-60	0.013	0.014	0.359	0.008	268.762	TRUE	7.11E-52
Allergic asthma	MAP3K5	rs79708111	T	C	-0.348	0.045	0.024	8.59E-15	-0.016	0.034	0.642	0.002	60.192	TRUE	7.54E-13
Allergic asthma	MAP3K5	rs9389421	C	A	-0.115	0.012	0.423	2.69E-20	-0.011	0.014	0.448	0.003	85.202	TRUE	2.65E-17
Allergic asthma	MAPK3	rs1050881	T	C	0.147	0.015	0.083	5.50E-22	-0.012	0.024	0.611	0.003	92.894	TRUE	4.35E-19
Allergic asthma	MAPK3	rs112294239	T	C	-0.300	0.019	0.052	6.05E-59	0.018	0.026	0.487	0.008	262.061	TRUE	4.38E-51
Allergic asthma	MAPK3	rs113199118	A	G	-0.134	0.024	0.032	1.79E-08	0.106	0.040	0.008	0.001	31.708	TRUE	8.75E-06
Allergic asthma	MAPK3	rs11648675	C	T	-0.087	0.010	0.307	5.26E-18	0.040	0.014	0.005	0.002	74.776	TRUE	4.47E-13
Allergic asthma	MAPK3	rs117210898	T	C	-0.225	0.020	0.049	3.71E-29	0.026	0.023	0.258	0.004	125.621	TRUE	1.93E-24
Allergic asthma	MAPK3	rs117391625	T	C	-0.160	0.015	0.081	1.34E-25	-0.028	0.026	0.278	0.003	109.377	TRUE	1.88E-21
Allergic asthma	MAPK3	rs117548034	G	A	-0.247	0.029	0.025	2.85E-17	-0.012	0.038	0.755	0.002	71.438	TRUE	3.43E-15
Allergic asthma	MAPK3	rs11859842	T	C	0.121	0.008	0.515	2.67E-52	-0.037	0.014	0.007	0.007	231.584	TRUE	2.81E-41
Allergic asthma	MAPK3	rs12102367	T	C	0.128	0.013	0.110	2.07E-23	0.047	0.025	0.063	0.003	99.382	TRUE	1.42E-18
Allergic asthma	MAPK3	rs139148055	T	C	-0.370	0.046	0.017	4.59E-16	0.008	0.030	0.799	0.002	65.963	TRUE	3.42E-14
Allergic asthma	MAPK3	rs141162502	T	C	0.259	0.041	0.019	2.55E-10	-0.042	0.031	0.181	0.001	39.988	TRUE	3.23E-08
Allergic asthma	MAPK3	rs141989501	C	G	0.208	0.036	0.017	6.00E-09	-0.054	0.058	0.351	0.001	33.833	TRUE	2.18E-07
Allergic asthma	MAPK3	rs142097700	A	G	0.284	0.041	0.014	7.52E-12	0.043	0.036	0.234	0.001	46.884	TRUE	1.27E-09
Allergic asthma	MAPK3	rs143242484	T	C	0.466	0.023	0.040	9.64E-95	-0.022	0.027	0.421	0.013	426.420	TRUE	4.69E-82
Allergic asthma	MAPK3	rs146414244	T	C	-0.158	0.027	0.030	5.37E-09	0.040	0.022	0.062	0.001	34.050	TRUE	9.93E-07
Allergic asthma	MAPK3	rs147553474	C	T	0.425	0.025	0.037	2.95E-67	-0.060	0.028	0.032	0.009	300.200	TRUE	4.94E-55
Allergic asthma	MAPK3	rs147785243	G	A	0.243	0.040	0.026	1.62E-09	0.036	0.075	0.635	0.001	36.385	TRUE	3.07E-08
Allergic asthma	MAPK3	rs148266117	G	A	0.218	0.034	0.026	2.26E-10	0.021	0.039	0.589	0.001	40.223	TRUE	6.29E-09
Allergic asthma	MAPK3	rs149522395	G	A	0.333	0.060	0.016	3.60E-08	-0.102	0.064	0.113	0.001	30.354	TRUE	2.90E-06
Allergic asthma	MAPK3	rs149774427	A	G	-0.335	0.039	0.017	1.13E-17	0.036	0.066	0.587	0.002	73.266	TRUE	2.80E-15
Allergic asthma	MAPK3	rs149918713	T	C	0.252	0.045	0.021	1.64E-08	0.012	0.062	0.848	0.001	31.878	TRUE	1.39E-07
Allergic asthma	MAPK3	rs150773264	A	G	0.252	0.017	0.062	7.19E-52	-0.002	0.034	0.962	0.007	229.610	TRUE	3.21E-46
Allergic asthma	MAPK3	rs189384733	A	G	0.501	0.066	0.016	3.14E-14	-0.146	0.058	0.012	0.002	57.644	TRUE	2.26E-10
Allergic asthma	MAPK3	rs193301319	T	C	-0.218	0.036	0.016	2.07E-09	0.013	0.057	0.813	0.001	35.906	TRUE	2.43E-08
Allergic asthma	MAPK3	rs2003857	A	G	-0.134	0.021	0.055	1.06E-10	0.041	0.039	0.287	0.001	41.698	TRUE	9.20E-09

Allergic asthma	MAPK3	rs235645	A	G	0.075	0.010	0.489	1.16E-13	-0.011	0.014	0.420	0.002	55.079	TRUE	1.59E-11
Allergic asthma	MAPK3	rs3087439	T	C	-0.250	0.016	0.074	2.27E-58	0.003	0.027	0.904	0.008	259.425	TRUE	7.98E-52
Allergic asthma	MAPK3	rs34640030	A	G	-0.223	0.029	0.023	2.81E-14	0.066	0.057	0.243	0.002	57.860	TRUE	1.08E-11
Allergic asthma	MAPK3	rs34679599	T	C	-0.408	0.017	0.071	7.53E-134	0.049	0.035	0.153	0.019	606.155	TRUE	4.38E-114
Allergic asthma	MAPK3	rs34843513	G	A	0.318	0.024	0.034	5.58E-40	-0.023	0.028	0.407	0.005	175.127	TRUE	2.75E-34
Allergic asthma	MAPK3	rs35388821	G	A	-0.070	0.012	0.150	6.70E-09	0.006	0.020	0.755	0.001	33.617	TRUE	7.87E-08
Allergic asthma	MAPK3	rs35478648	G	T	-0.369	0.017	0.069	7.64E-105	0.011	0.026	0.680	0.015	472.831	TRUE	5.33E-92
Allergic asthma	MAPK3	rs4243233	G	A	0.065	0.008	0.445	5.81E-16	0.021	0.014	0.130	0.002	65.496	TRUE	9.37E-13
Allergic asthma	MAPK3	rs4471699	T	G	-0.375	0.008	0.435	0.00E+00	0.023	0.014	0.096	0.067	2272.880	TRUE	0.00E+00
Allergic asthma	MAPK3	rs4548895	G	A	0.411	0.008	0.413	0.00E+00	-0.032	0.014	0.018	0.074	2537.621	TRUE	0.00E+00
Allergic asthma	MAPK3	rs4787482	T	G	-0.187	0.009	0.305	1.81E-88	0.016	0.015	0.268	0.012	397.601	TRUE	8.74E-76
Allergic asthma	MAPK3	rs55680039	G	T	-0.506	0.024	0.036	5.76E-102	0.046	0.027	0.083	0.014	459.611	TRUE	1.03E-85
Allergic asthma	MAPK3	rs56000057	C	G	0.174	0.030	0.027	7.23E-09	-0.049	0.048	0.308	0.001	33.471	TRUE	2.97E-07
Allergic asthma	MAPK3	rs56329348	A	G	0.493	0.026	0.031	1.86E-79	0.028	0.044	0.525	0.011	356.212	TRUE	3.71E-69
Allergic asthma	MAPK3	rs56353063	C	G	-0.145	0.010	0.227	2.73E-51	0.021	0.017	0.227	0.007	226.959	TRUE	2.26E-43
Allergic asthma	MAPK3	rs59650907	A	G	0.070	0.012	0.176	1.54E-09	-0.033	0.016	0.045	0.001	36.477	TRUE	4.65E-07
Allergic asthma	MAPK3	rs62055389	G	T	0.426	0.018	0.063	2.25E-124	0.010	0.027	0.720	0.017	562.592	TRUE	2.74E-109
Allergic asthma	MAPK3	rs67693285	G	T	-0.130	0.008	0.481	5.23E-59	-0.013	0.014	0.339	0.008	262.350	TRUE	1.42E-50
Allergic asthma	MAPK3	rs7190269	A	C	0.186	0.009	0.310	8.40E-103	0.008	0.015	0.565	0.014	463.449	TRUE	9.68E-90
Allergic asthma	MAPK3	rs7205394	A	C	-0.186	0.013	0.363	2.40E-49	0.056	0.044	0.200	0.007	218.044	TRUE	1.50E-41
Allergic asthma	MAPK3	rs72791208	T	C	0.418	0.027	0.027	1.39E-53	0.030	0.033	0.366	0.007	237.466	TRUE	5.70E-46
Allergic asthma	MAPK3	rs73534263	G	A	0.117	0.011	0.162	1.41E-24	-0.030	0.024	0.203	0.003	104.704	TRUE	2.56E-20
Allergic asthma	MAPK3	rs74776661	A	C	-0.257	0.036	0.018	8.53E-13	-0.028	0.118	0.813	0.002	51.154	TRUE	2.51E-11
Allergic asthma	MAPK3	rs77250249	A	G	0.351	0.052	0.015	2.05E-11	-0.129	0.137	0.346	0.001	44.919	TRUE	1.79E-09
Allergic asthma	MAPK3	rs77871165	C	T	0.457	0.032	0.020	1.33E-46	0.062	0.047	0.185	0.006	205.468	TRUE	4.15E-39
Allergic asthma	MAPK3	rs80273739	G	A	-0.404	0.026	0.030	3.44E-56	0.001	0.053	0.979	0.008	249.423	TRUE	4.27E-50
Allergic asthma	MAPK3	rs8047140	T	C	0.149	0.012	0.145	3.13E-36	-0.016	0.018	0.362	0.005	157.963	TRUE	6.88E-31
Allergic asthma	MAPK3	rs873623	T	C	-0.084	0.010	0.232	2.36E-18	0.002	0.015	0.881	0.002	76.362	TRUE	2.45E-16
Allergic asthma	MAPK3	rs9796793	A	G	0.284	0.016	0.073	1.15E-68	-0.041	0.021	0.055	0.010	306.667	TRUE	9.31E-57
Allergic asthma	MLST8	rs11547311	T	C	-0.257	0.028	0.052	2.41E-20	0.051	0.046	0.268	0.003	85.413	TRUE	6.43E-17
Allergic asthma	MLST8	rs117921232	A	G	-0.353	0.052	0.018	1.28E-11	0.056	0.031	0.072	0.001	45.844	TRUE	6.74E-09
Allergic asthma	MLST8	rs118002758	T	C	0.222	0.035	0.037	3.25E-10	-0.039	0.035	0.260	0.001	39.516	TRUE	2.65E-08
Allergic asthma	MLST8	rs13335198	A	T	-0.320	0.026	0.055	8.28E-36	0.024	0.032	0.459	0.005	156.035	TRUE	8.29E-31
Allergic asthma	MLST8	rs144712953	C	T	-0.389	0.064	0.017	1.30E-09	0.012	0.039	0.763	0.001	36.809	TRUE	1.83E-08
Allergic asthma	MLST8	rs35856	A	G	-0.106	0.012	0.389	1.12E-18	0.015	0.014	0.272	0.002	77.824	TRUE	1.67E-15
Allergic asthma	MLST8	rs55889733	A	G	-0.174	0.019	0.123	7.05E-21	0.006	0.020	0.780	0.003	87.847	TRUE	2.08E-18
Allergic asthma	MLST8	rs55932224	T	C	0.137	0.020	0.087	4.00E-12	-0.004	0.019	0.834	0.002	48.122	TRUE	9.25E-11
Allergic asthma	MLST8	rs56110432	T	C	0.209	0.019	0.135	1.10E-28	0.021	0.018	0.236	0.004	123.469	TRUE	5.87E-24
Allergic asthma	MLST8	rs62642473	T	C	0.220	0.036	0.038	6.15E-10	0.027	0.031	0.387	0.001	38.272	TRUE	2.78E-08
Allergic asthma	MLST8	rs71386658	T	C	-0.269	0.027	0.061	5.83E-23	-0.008	0.023	0.740	0.003	97.335	TRUE	3.55E-20
Allergic asthma	MLST8	rs72766650	A	G	0.087	0.015	0.161	2.04E-08	-0.019	0.017	0.278	0.001	31.459	TRUE	7.94E-07
Allergic asthma	MLST8	rs74422368	C	T	-0.273	0.048	0.022	9.63E-09	0.003	0.073	0.965	0.001	32.913	TRUE	6.62E-08

Allergic asthma	MLST8	rs75693230	A	G	0.210	0.022	0.098	7.66E-22	-0.006	0.020	0.771	0.003	92.239	TRUE	3.04E-19
Allergic asthma	MLST8	rs76610224	T	C	-0.267	0.028	0.056	5.09E-21	0.059	0.031	0.056	0.003	88.493	TRUE	1.61E-16
Allergic asthma	MLST8	rs78398423	T	C	0.217	0.032	0.049	1.15E-11	-0.049	0.023	0.030	0.001	46.053	TRUE	1.26E-08
Allergic asthma	MOAP1	rs1046099	A	G	0.110	0.009	0.333	1.38E-37	0.041	0.014	0.004	0.005	164.167	TRUE	9.21E-29
Allergic asthma	MOAP1	rs117067814	A	G	0.285	0.036	0.017	3.16E-15	0.058	0.046	0.208	0.002	62.163	TRUE	2.12E-12
Allergic asthma	MOAP1	rs17128723	A	G	-0.100	0.018	0.055	1.96E-08	-0.036	0.027	0.192	0.001	31.533	TRUE	1.11E-06
Allergic asthma	MOAP1	rs17128917	G	A	-0.237	0.028	0.025	7.86E-18	-0.077	0.040	0.052	0.002	73.983	TRUE	7.51E-14
Allergic asthma	MOAP1	rs2255343	C	T	-0.048	0.008	0.375	4.30E-09	-0.016	0.014	0.245	0.001	34.481	TRUE	2.47E-07
Allergic asthma	MOAP1	rs7143481	C	A	-0.079	0.009	0.247	8.31E-18	-0.023	0.016	0.139	0.002	73.873	TRUE	2.45E-14
Allergic asthma	MOAP1	rs941541	A	G	-0.113	0.018	0.057	2.14E-10	-0.062	0.024	0.009	0.001	40.328	TRUE	2.84E-07
Allergic asthma	NFKB1	rs11097787	T	C	0.183	0.008	0.383	5.70E-110	-0.037	0.014	0.006	0.015	496.395	TRUE	1.14E-89
Allergic asthma	NFKB1	rs115300197	T	C	0.134	0.024	0.034	3.96E-08	0.015	0.027	0.569	0.001	30.167	TRUE	5.81E-07
Allergic asthma	NFKB1	rs144873903	A	G	-0.125	0.014	0.092	3.21E-19	0.027	0.028	0.322	0.003	80.302	TRUE	4.27E-16
Allergic asthma	NFKB1	rs230487	C	A	-0.073	0.009	0.304	1.92E-15	-0.011	0.016	0.505	0.002	63.144	TRUE	3.33E-13
Allergic asthma	NFKB1	rs4648128	G	A	0.165	0.022	0.038	5.59E-14	0.017	0.038	0.654	0.002	56.508	TRUE	3.72E-12
Allergic asthma	NFKB1	rs6533056	C	T	0.060	0.008	0.410	1.98E-13	-0.019	0.014	0.161	0.002	54.022	TRUE	9.41E-11
Allergic asthma	NFKB1	rs73837248	G	A	0.267	0.018	0.053	2.99E-49	-0.030	0.028	0.286	0.007	217.608	TRUE	6.88E-42
Allergic asthma	NFKB1	rs76237068	G	T	0.131	0.024	0.032	3.68E-08	0.021	0.035	0.546	0.001	30.310	TRUE	5.78E-07
Allergic asthma	NFKB1	rs79590323	C	T	-0.167	0.018	0.061	2.39E-21	0.025	0.039	0.524	0.003	89.986	TRUE	2.29E-18
Allergic asthma	NFKBIA	rs112026560	T	C	0.277	0.036	0.029	6.13E-15	-0.002	0.040	0.963	0.002	60.855	TRUE	2.02E-13
Allergic asthma	NFKBIA	rs117923945	T	C	0.231	0.041	0.024	1.17E-08	0.015	0.025	0.565	0.001	32.536	TRUE	2.05E-07
Allergic asthma	NFKBIA	rs12897454	G	A	-0.138	0.023	0.070	2.56E-09	-0.039	0.026	0.133	0.001	35.493	TRUE	2.91E-07
Allergic asthma	NFKBIA	rs138434930	A	G	0.565	0.063	0.013	4.27E-19	-0.086	0.071	0.221	0.003	79.736	TRUE	1.02E-15
Allergic asthma	NFKBIA	rs138940266	A	G	-0.291	0.042	0.027	3.29E-12	0.056	0.043	0.190	0.002	48.505	TRUE	8.13E-10
Allergic asthma	NFKBIA	rs148336586	G	A	0.294	0.050	0.020	4.25E-09	0.023	0.068	0.733	0.001	34.502	TRUE	5.56E-08
Allergic asthma	NFKBIA	rs17523485	T	G	0.160	0.017	0.133	6.43E-20	-0.034	0.020	0.082	0.003	83.476	TRUE	8.34E-16
Allergic asthma	NFKBIA	rs3138057	G	C	0.186	0.019	0.114	1.48E-23	0.042	0.021	0.043	0.003	100.050	TRUE	1.77E-18
Allergic asthma	NFKBIA	rs4624077	G	C	0.110	0.012	0.348	7.45E-19	0.023	0.015	0.128	0.002	78.637	TRUE	3.63E-15
Allergic asthma	NFKBIA	rs55910801	G	T	0.083	0.012	0.463	5.35E-12	-0.010	0.014	0.468	0.001	47.552	TRUE	3.61E-10
Allergic asthma	NFKBIA	rs61981526	T	C	0.303	0.048	0.021	2.69E-10	0.006	0.056	0.918	0.001	39.887	TRUE	3.07E-09
Allergic asthma	NFKBIA	rs7159324	C	T	-0.230	0.016	0.173	8.32E-50	0.013	0.017	0.452	0.007	220.151	TRUE	5.46E-43
Allergic asthma	NFKBIA	rs7161300	T	C	-0.078	0.013	0.299	1.36E-09	-0.034	0.015	0.019	0.001	36.719	TRUE	7.55E-07
Allergic asthma	NFKBIA	rs72664840	T	C	0.413	0.015	0.180	4.51E-167	-0.047	0.020	0.021	0.023	758.914	TRUE	1.50E-139
Allergic asthma	NFKBIA	rs72664875	C	T	0.281	0.024	0.064	1.71E-31	-0.047	0.026	0.074	0.004	136.301	TRUE	1.88E-25
Allergic asthma	NFKBIA	rs72677096	T	A	-0.186	0.032	0.035	8.29E-09	0.029	0.039	0.459	0.001	33.203	TRUE	2.04E-07
Allergic asthma	NFKBIA	rs75776420	G	A	0.259	0.020	0.104	3.92E-40	0.016	0.025	0.529	0.006	175.833	TRUE	8.99E-35
Allergic asthma	NFKBIA	rs799678	G	A	-0.112	0.012	0.372	1.71E-19	0.006	0.014	0.683	0.003	81.546	TRUE	4.95E-17
Allergic asthma	NFKBIA	rs8020830	G	C	0.094	0.014	0.227	2.89E-11	0.002	0.016	0.905	0.001	44.249	TRUE	4.38E-10
Allergic asthma	NFKBIA	rs8904	A	G	0.166	0.012	0.383	1.19E-42	0.010	0.014	0.448	0.006	187.354	TRUE	9.80E-37
Allergic asthma	NFKBIA	rs9322955	G	A	0.105	0.012	0.444	7.15E-19	-0.005	0.014	0.734	0.002	78.719	TRUE	1.44E-16
Allergic asthma	NFKBIA	rs9491	A	C	0.140	0.016	0.153	1.28E-17	-0.006	0.020	0.767	0.002	73.015	TRUE	1.63E-15
Allergic asthma	NFKBIA	rs9630376	C	T	-0.080	0.012	0.455	2.64E-11	-0.002	0.014	0.880	0.001	44.422	TRUE	4.33E-10

Allergic asthma	NFKBIA	rs9743779	A	T	-0.141	0.013	0.348	1.88E-29	0.006	0.015	0.684	0.004	126.974	TRUE	8.86E-26
Allergic asthma	PHKG2	rs62622830	C	T	-0.093	0.010	0.194	4.39E-20	-0.058	0.017	6.12E-04	0.003	84.231	TRUE	4.99E-14
Allergic asthma	PHKG2	rs76359228	G	A	0.069	0.010	0.183	2.46E-11	0.018	0.015	0.244	0.001	44.566	TRUE	3.26E-09
Allergic asthma	PHKG2	rs9939417	T	C	0.059	0.008	0.371	5.85E-13	0.005	0.014	0.738	0.002	51.894	TRUE	2.24E-11
Allergic asthma	PIH1D1	rs147362951	A	G	0.310	0.036	0.023	2.04E-17	0.018	0.031	0.571	0.002	72.103	TRUE	4.99E-15
Allergic asthma	PIH1D1	rs171342	T	C	-0.047	0.008	0.499	3.76E-09	0.006	0.014	0.683	0.001	34.744	TRUE	5.65E-08
Allergic asthma	PIH1D1	rs1965105	G	A	-0.127	0.021	0.079	7.06E-10	-0.057	0.022	0.010	0.001	38.003	TRUE	6.52E-07
Allergic asthma	PIH1D1	rs2293012	T	G	0.267	0.010	0.253	5.27E-144	0.038	0.015	0.010	0.020	652.848	TRUE	5.75E-119
Allergic asthma	PIH1D1	rs2304207	G	C	-0.071	0.012	0.148	7.30E-10	-0.002	0.018	0.906	0.001	37.936	TRUE	7.69E-09
Allergic asthma	PIH1D1	rs3745309	A	G	-0.065	0.010	0.354	4.21E-10	-0.019	0.014	0.165	0.001	39.013	TRUE	5.36E-08
Allergic asthma	PIH1D1	rs62128073	G	A	-0.171	0.011	0.221	8.71E-52	-0.028	0.017	0.094	0.007	229.229	TRUE	7.09E-43
Allergic asthma	PIH1D1	rs76246107	A	G	0.117	0.016	0.084	1.38E-12	0.036	0.028	0.198	0.002	50.205	TRUE	3.77E-10
Allergic asthma	PIH1D1	rs76687611	A	G	0.130	0.019	0.049	2.26E-12	0.025	0.027	0.354	0.002	49.238	TRUE	2.65E-10
Allergic asthma	PIH1D1	rs78663425	T	G	0.326	0.048	0.019	7.32E-12	0.001	0.061	0.985	0.001	46.936	TRUE	1.04E-10
Allergic asthma	PIK3C2A	rs10766383	T	G	0.259	0.010	0.284	2.55E-162	0.018	0.014	0.204	0.023	737.059	TRUE	3.39E-139
Allergic asthma	PIK3C2A	rs10832703	T	G	0.111	0.017	0.076	1.81E-10	-0.009	0.024	0.705	0.001	40.656	TRUE	3.77E-09
Allergic asthma	PIK3C2A	rs11024279	T	C	-0.240	0.040	0.018	2.50E-09	0.038	0.075	0.617	0.001	35.539	TRUE	4.69E-08
Allergic asthma	PIK3C2A	rs112478159	A	G	-0.437	0.035	0.021	6.18E-35	-0.014	0.033	0.664	0.005	152.039	TRUE	1.49E-30
Allergic asthma	PIK3C2A	rs11602048	T	G	-0.465	0.035	0.021	1.99E-39	-0.009	0.033	0.790	0.005	172.595	TRUE	8.54E-35
Allergic asthma	PIK3C2A	rs117061194	C	T	0.280	0.019	0.063	5.65E-50	0.050	0.038	0.195	0.007	220.926	TRUE	4.60E-42
Allergic asthma	PIK3C2A	rs117948565	T	G	0.290	0.027	0.035	2.55E-26	0.006	0.036	0.863	0.004	112.663	TRUE	2.31E-23
Allergic asthma	PIK3C2A	rs117961948	A	G	0.286	0.033	0.024	3.66E-18	0.189	0.078	0.015	0.002	75.490	TRUE	1.39E-13
Allergic asthma	PIK3C2A	rs118092964	T	C	0.304	0.047	0.013	1.46E-10	0.154	0.061	0.012	0.001	41.081	TRUE	1.78E-07
Allergic asthma	PIK3C2A	rs118117634	A	G	0.246	0.033	0.022	1.28E-13	0.076	0.058	0.191	0.002	54.878	TRUE	5.32E-11
Allergic asthma	PIK3C2A	rs12421951	C	T	-0.414	0.024	0.039	3.59E-67	-0.040	0.033	0.232	0.009	299.810	TRUE	4.03E-57
Allergic asthma	PIK3C2A	rs12794277	C	T	-0.153	0.018	0.066	2.50E-17	-0.037	0.027	0.165	0.002	71.703	TRUE	4.91E-14
Allergic asthma	PIK3C2A	rs141038443	C	T	0.281	0.032	0.024	1.88E-18	0.007	0.035	0.852	0.002	76.803	TRUE	2.22E-16
Allergic asthma	PIK3C2A	rs142345480	A	C	-0.415	0.031	0.023	6.82E-40	-0.017	0.046	0.701	0.005	174.730	TRUE	5.37E-35
Allergic asthma	PIK3C2A	rs146715331	T	G	-0.977	0.099	0.011	7.41E-23	0.003	0.121	0.983	0.003	96.863	TRUE	1.69E-20
Allergic asthma	PIK3C2A	rs147866373	G	T	0.291	0.029	0.034	3.90E-24	-0.047	0.067	0.479	0.003	102.691	TRUE	1.06E-20
Allergic asthma	PIK3C2A	rs177555	C	T	0.126	0.009	0.336	3.32E-42	0.024	0.015	0.108	0.006	185.324	TRUE	7.85E-35
Allergic asthma	PIK3C2A	rs181644989	T	C	-0.167	0.014	0.139	2.10E-32	-0.005	0.022	0.818	0.004	140.460	TRUE	1.18E-28
Allergic asthma	PIK3C2A	rs2237989	G	T	-0.129	0.012	0.160	1.91E-27	0.012	0.017	0.486	0.004	117.802	TRUE	1.35E-23
Allergic asthma	PIK3C2A	rs34968593	G	T	-0.257	0.023	0.043	8.21E-29	0.039	0.043	0.369	0.004	124.042	TRUE	1.74E-24
Allergic asthma	PIK3C2A	rs4757465	G	C	0.198	0.010	0.288	1.28E-92	0.007	0.017	0.694	0.013	416.674	TRUE	2.49E-81
Allergic asthma	PIK3C2A	rs55998333	T	C	-0.361	0.032	0.021	6.74E-30	0.045	0.056	0.423	0.004	129.005	TRUE	1.43E-25
Allergic asthma	PIK3C2A	rs61762009	A	G	0.213	0.037	0.017	1.07E-08	0.077	0.076	0.310	0.001	32.705	TRUE	4.11E-07
Allergic asthma	PIK3C2A	rs7126760	C	T	-0.116	0.009	0.384	2.29E-38	0.009	0.015	0.542	0.005	167.744	TRUE	2.90E-33
Allergic asthma	PIK3C2A	rs7130826	G	T	-0.434	0.009	0.275	0.00E+00	-0.022	0.015	0.145	0.063	2120.952	TRUE	0.00E+00
Allergic asthma	PIK3C2A	rs71469371	A	C	0.269	0.016	0.079	1.54E-61	-0.008	0.021	0.706	0.009	273.957	TRUE	4.72E-54
Allergic asthma	PIK3C2A	rs72860760	T	C	-0.537	0.039	0.017	1.58E-42	0.021	0.047	0.652	0.006	186.797	TRUE	3.43E-37
Allergic asthma	PIK3C2A	rs72864065	G	A	-0.224	0.038	0.016	5.16E-09	-0.026	0.037	0.477	0.001	34.127	TRUE	1.29E-07

Allergic asthma	PIK3C2A	rs7396550	T	C	-0.156	0.023	0.038	1.63E-11	0.041	0.034	0.227	0.001	45.370	TRUE	2.52E-09
Allergic asthma	PIK3C2A	rs74359854	C	T	0.283	0.022	0.048	4.45E-39	0.071	0.038	0.063	0.005	171.001	TRUE	9.76E-32
Allergic asthma	PIK3C2A	rs873314	C	T	0.101	0.011	0.199	2.52E-20	0.036	0.017	0.031	0.003	85.330	TRUE	1.16E-15
Allergic asthma	PIK3CD	rs7511971	A	G	0.075	0.010	0.209	2.09E-13	-0.037	0.016	0.019	0.002	53.919	TRUE	7.34E-10
Allergic asthma	PPIF	rs11002877	T	A	0.088	0.015	0.086	8.85E-09	-0.007	0.020	0.733	0.001	33.077	TRUE	1.06E-07
Allergic asthma	PPIF	rs112728420	C	T	0.213	0.035	0.021	1.25E-09	-0.041	0.045	0.358	0.001	36.889	TRUE	5.63E-08
Allergic asthma	PPIF	rs12267916	A	G	-0.170	0.022	0.038	2.64E-15	-0.032	0.064	0.619	0.002	62.513	TRUE	2.91E-13
Allergic asthma	PPIF	rs146168086	T	C	-0.208	0.037	0.016	2.59E-08	0.081	0.039	0.038	0.001	30.987	TRUE	4.87E-06
Allergic asthma	PPIF	rs61851432	T	C	0.151	0.021	0.045	2.07E-12	-0.005	0.029	0.849	0.002	49.410	TRUE	4.96E-11
Allergic asthma	PPIF	rs7086293	T	C	0.138	0.008	0.475	2.36E-67	-0.036	0.014	0.009	0.009	300.642	TRUE	4.44E-54
Allergic asthma	PPIF	rs77799535	A	G	-0.241	0.044	0.015	4.07E-08	0.048	0.063	0.444	0.001	30.116	TRUE	8.30E-07
Allergic asthma	PPIF	rs7905321	A	G	0.166	0.017	0.066	3.83E-22	-0.020	0.026	0.442	0.003	93.611	TRUE	6.88E-19
Allergic asthma	PPIF	rs884889	G	T	-0.124	0.013	0.096	3.18E-20	0.061	0.023	0.009	0.003	84.871	TRUE	4.61E-15
Allergic asthma	PPIF	rs942793	G	T	0.110	0.009	0.385	2.48E-32	-0.012	0.014	0.371	0.004	140.129	TRUE	1.55E-27
Allergic asthma	PRKAB1	rs10774543	C	T	-0.050	0.009	0.319	3.98E-09	0.016	0.014	0.269	0.001	34.633	TRUE	2.09E-07
Allergic asthma	PRKAB1	rs11064762	C	T	0.184	0.028	0.022	5.47E-11	0.114	0.049	0.021	0.001	42.999	TRUE	5.65E-08
Allergic asthma	PRKAB1	rs11064809	A	G	-0.253	0.023	0.035	1.25E-28	0.003	0.031	0.926	0.004	123.216	TRUE	1.58E-25
Allergic asthma	PRKAB1	rs11064834	G	A	0.120	0.017	0.060	1.22E-12	-0.004	0.040	0.918	0.002	50.452	TRUE	2.55E-11
Allergic asthma	PRKAB1	rs11064854	G	A	-0.442	0.015	0.081	2.25E-179	0.005	0.027	0.852	0.025	815.492	TRUE	4.73E-158
Allergic asthma	PRKAB1	rs11064994	G	A	0.141	0.018	0.058	4.92E-15	0.010	0.034	0.773	0.002	61.289	TRUE	3.01E-13
Allergic asthma	PRKAB1	rs11065015	T	C	-0.250	0.028	0.026	1.47E-19	-0.020	0.030	0.511	0.003	81.843	TRUE	8.71E-17
Allergic asthma	PRKAB1	rs11065159	G	A	0.242	0.037	0.020	5.89E-11	0.004	0.074	0.957	0.001	42.853	TRUE	7.21E-10
Allergic asthma	PRKAB1	rs112088749	A	G	0.138	0.023	0.036	2.39E-09	-0.007	0.027	0.803	0.001	35.624	TRUE	2.82E-08
Allergic asthma	PRKAB1	rs113004644	T	C	-0.173	0.012	0.130	2.14E-46	-0.008	0.019	0.676	0.006	204.522	TRUE	1.19E-40
Allergic asthma	PRKAB1	rs117067019	C	T	0.271	0.024	0.032	2.15E-30	-0.075	0.047	0.111	0.004	131.269	TRUE	8.30E-25
Allergic asthma	PRKAB1	rs117076788	T	C	-0.511	0.030	0.025	1.95E-65	-0.012	0.088	0.890	0.009	291.851	TRUE	4.95E-58
Allergic asthma	PRKAB1	rs117200164	A	G	-0.399	0.026	0.025	2.39E-53	0.088	0.060	0.141	0.007	236.387	TRUE	1.31E-44
Allergic asthma	PRKAB1	rs117758322	A	C	-0.483	0.042	0.014	7.06E-31	-0.165	0.093	0.075	0.004	133.482	TRUE	6.10E-25
Allergic asthma	PRKAB1	rs117864951	G	A	-0.131	0.024	0.036	4.95E-08	-0.025	0.033	0.455	0.001	29.735	TRUE	9.52E-07
Allergic asthma	PRKAB1	rs117872759	G	A	0.413	0.019	0.046	1.19E-101	-0.054	0.029	0.064	0.014	458.159	TRUE	4.12E-85
Allergic asthma	PRKAB1	rs12296843	A	G	0.129	0.010	0.231	6.60E-36	-0.008	0.019	0.656	0.005	156.485	TRUE	2.18E-31
Allergic asthma	PRKAB1	rs137937400	A	G	0.137	0.021	0.041	6.87E-11	0.046	0.042	0.272	0.001	42.552	TRUE	6.81E-09
Allergic asthma	PRKAB1	rs138689173	A	G	-0.251	0.036	0.017	2.23E-12	-0.060	0.042	0.153	0.002	49.266	TRUE	7.55E-10
Allergic asthma	PRKAB1	rs141007011	C	T	-0.423	0.043	0.015	1.33E-22	-0.066	0.048	0.163	0.003	95.697	TRUE	1.76E-18
Allergic asthma	PRKAB1	rs149857526	T	G	-0.320	0.037	0.016	2.07E-18	0.138	0.050	0.006	0.002	76.621	TRUE	2.03E-13
Allergic asthma	PRKAB1	rs17485664	C	T	0.742	0.016	0.063	0.00E+00	0.033	0.030	0.275	0.064	2183.598	TRUE	0.00E+00
Allergic asthma	PRKAB1	rs17499109	A	G	0.222	0.014	0.101	1.56E-58	0.034	0.020	0.092	0.008	260.179	TRUE	1.29E-48
Allergic asthma	PRKAB1	rs202983	A	G	-0.078	0.009	0.266	2.62E-18	0.031	0.016	0.056	0.002	76.149	TRUE	2.84E-14
Allergic asthma	PRKAB1	rs2464798	A	G	-0.193	0.009	0.262	6.96E-102	-0.011	0.016	0.505	0.014	459.232	TRUE	1.13E-88
Allergic asthma	PRKAB1	rs2524393	A	G	0.104	0.015	0.076	1.22E-11	-0.008	0.023	0.738	0.001	45.944	TRUE	3.22E-10
Allergic asthma	PRKAB1	rs34179846	C	T	0.161	0.014	0.094	5.69E-31	-0.009	0.023	0.695	0.004	133.913	TRUE	3.89E-27
Allergic asthma	PRKAB1	rs35811623	G	A	0.131	0.023	0.031	1.79E-08	0.055	0.033	0.097	0.001	31.706	TRUE	1.85E-06

Allergic asthma	PRKAB1	rs3902094	A	G	0.418	0.033	0.018	1.94E-36	-0.035	0.046	0.442	0.005	158.916	TRUE	2.61E-31
Allergic asthma	PRKAB1	rs4379896	T	C	0.070	0.008	0.468	2.95E-18	0.038	0.014	0.005	0.002	75.918	TRUE	2.97E-13
Allergic asthma	PRKAB1	rs4465416	T	G	0.061	0.008	0.453	2.14E-14	-0.019	0.014	0.173	0.002	58.393	TRUE	1.35E-11
Allergic asthma	PRKAB1	rs4767921	A	G	-0.069	0.008	0.346	1.24E-16	0.025	0.015	0.092	0.002	68.534	TRUE	3.91E-13
Allergic asthma	PRKAB1	rs528708	T	G	-0.097	0.011	0.170	9.34E-20	-0.011	0.019	0.557	0.003	82.739	TRUE	4.83E-17
Allergic asthma	PRKAB1	rs59595036	G	A	0.143	0.019	0.056	5.74E-14	-0.047	0.049	0.340	0.002	56.453	TRUE	1.22E-11
Allergic asthma	PRKAB1	rs61945854	C	T	-0.086	0.013	0.103	5.79E-11	0.009	0.022	0.679	0.001	42.887	TRUE	1.49E-09
Allergic asthma	PRKAB1	rs73217238	C	T	0.073	0.010	0.203	1.53E-12	-0.015	0.018	0.403	0.002	50.001	TRUE	1.57E-10
Allergic asthma	PRKAB1	rs73221259	A	G	0.879	0.038	0.017	1.73E-119	0.097	0.034	0.005	0.017	540.138	TRUE	1.97E-97
Allergic asthma	PRKAB1	rs73221277	A	G	-0.480	0.024	0.032	1.52E-86	0.044	0.039	0.257	0.012	388.758	TRUE	4.75E-74
Allergic asthma	PRKAB1	rs74986619	A	C	-0.149	0.014	0.086	3.01E-25	0.024	0.023	0.300	0.003	107.766	TRUE	3.27E-21
Allergic asthma	PRKAB1	rs76490401	G	A	0.128	0.023	0.032	2.89E-08	-0.106	0.042	0.011	0.001	30.776	TRUE	1.09E-05
Allergic asthma	PRKAB1	rs77051199	T	C	0.207	0.027	0.025	1.01E-14	-0.068	0.054	0.207	0.002	59.869	TRUE	5.68E-12
Allergic asthma	PRKAB1	rs78496826	G	A	0.217	0.028	0.030	6.79E-15	-0.031	0.061	0.605	0.002	60.655	TRUE	6.95E-13
Allergic asthma	PRKAB1	rs7956304	A	G	0.087	0.010	0.218	1.56E-19	-0.032	0.016	0.050	0.003	81.731	TRUE	3.08E-15
Allergic asthma	PRKAB1	rs804441	T	C	0.108	0.009	0.293	1.42E-35	0.005	0.014	0.730	0.005	154.962	TRUE	2.90E-31
Allergic asthma	PRKAB1	rs804460	T	G	-0.062	0.008	0.457	9.51E-15	0.020	0.014	0.155	0.002	59.991	TRUE	7.81E-12
Allergic asthma	PRKAB1	rs884033	G	A	0.093	0.008	0.409	8.77E-31	-0.006	0.014	0.672	0.004	133.053	TRUE	6.37E-27
Allergic asthma	PRNP	rs2181021	A	T	0.145	0.009	0.255	1.97E-56	0.006	0.016	0.713	0.008	250.537	TRUE	1.40E-49
Allergic asthma	PRNP	rs34392629	A	G	-0.168	0.026	0.032	7.44E-11	0.031	0.036	0.387	0.001	42.398	TRUE	4.59E-09
Allergic asthma	PRNP	rs4572663	C	A	0.108	0.009	0.258	1.51E-32	0.001	0.015	0.945	0.004	141.122	TRUE	4.83E-29
Allergic asthma	PRNP	rs6052766	C	G	0.155	0.013	0.112	3.57E-34	0.005	0.019	0.806	0.005	148.558	TRUE	3.42E-30
Allergic asthma	PRNP	rs6052778	C	T	0.144	0.014	0.089	3.28E-25	-0.016	0.022	0.460	0.003	107.599	TRUE	1.37E-21
Allergic asthma	PRNP	rs6084814	C	T	0.148	0.018	0.051	4.42E-16	-0.002	0.026	0.940	0.002	66.037	TRUE	2.09E-14
Allergic asthma	PRNP	rs6084822	G	A	0.169	0.008	0.463	2.62E-101	0.029	0.014	0.031	0.014	456.587	TRUE	5.50E-84
Allergic asthma	PRNP	rs6139501	A	T	-0.132	0.011	0.172	7.52E-36	-0.014	0.018	0.436	0.005	156.225	TRUE	8.84E-31
Allergic asthma	PRNP	rs62199365	C	T	-0.129	0.022	0.036	3.69E-09	-0.009	0.038	0.824	0.001	34.777	TRUE	3.94E-08
Allergic asthma	PRNP	rs78186890	G	A	0.130	0.019	0.048	1.97E-11	-0.003	0.025	0.906	0.001	45.002	TRUE	3.11E-10
Allergic asthma	PRNP	rs80306620	C	T	-0.151	0.009	0.230	2.60E-57	-0.006	0.015	0.709	0.008	254.572	TRUE	2.40E-50
Allergic asthma	PTGDS	rs12554888	T	C	0.122	0.015	0.318	3.19E-15	0.008	0.015	0.603	0.002	62.144	TRUE	3.62E-13
Allergic asthma	PTGDS	rs12555238	T	C	-0.128	0.014	0.294	8.75E-19	-0.010	0.014	0.474	0.002	78.318	TRUE	4.81E-16
Allergic asthma	PTGDS	rs28544087	G	A	0.073	0.013	0.280	3.90E-08	0.016	0.017	0.337	0.001	30.195	TRUE	1.11E-06
Allergic asthma	PTGDS	rs35695634	T	C	0.231	0.031	0.050	9.71E-14	-0.002	0.035	0.955	0.002	55.421	TRUE	2.41E-12
Allergic asthma	PTGDS	rs3829107	G	A	0.111	0.014	0.297	1.35E-15	0.024	0.015	0.100	0.002	63.833	TRUE	2.59E-12
Allergic asthma	PTGDS	rs4880189	A	G	-0.141	0.014	0.257	2.02E-25	-0.010	0.015	0.518	0.003	108.560	TRUE	6.67E-22
Allergic asthma	PTGDS	rs4880210	G	T	-0.120	0.022	0.114	2.60E-08	-0.002	0.019	0.926	0.001	30.985	TRUE	1.75E-07
Allergic asthma	PTGDS	rs56048026	T	C	0.262	0.031	0.049	5.87E-17	0.086	0.037	0.019	0.002	70.016	TRUE	1.03E-12
Allergic asthma	PTGDS	rs58476028	G	A	-0.172	0.016	0.157	1.20E-25	0.025	0.019	0.175	0.003	109.588	TRUE	4.07E-21
Allergic asthma	PTGDS	rs61744585	T	C	-0.332	0.060	0.017	3.28E-08	0.016	0.077	0.838	0.001	30.530	TRUE	2.62E-07
Allergic asthma	PTGDS	rs8666	T	C	0.279	0.040	0.030	3.04E-12	0.073	0.066	0.268	0.002	48.659	TRUE	5.00E-10
Allergic asthma	PTGDS	rs885070	G	A	0.302	0.012	0.462	7.28E-149	0.037	0.014	0.007	0.021	675.191	TRUE	1.08E-122
Allergic asthma	PTPRC	rs12751817	C	T	-0.166	0.029	0.027	7.59E-09	0.056	0.037	0.125	0.001	33.376	TRUE	7.48E-07

Allergic asthma	PTPRC	rs16843742	C	T	0.068	0.010	0.202	8.32E-12	-0.040	0.016	0.013	0.001	46.687	TRUE	1.75E-08
Allergic asthma	PTPRC	rs2230606	C	A	0.286	0.037	0.019	6.36E-15	-0.082	0.033	0.013	0.002	60.783	TRUE	6.29E-11
Allergic asthma	RAB3GAP1	rs11903529	T	C	-0.290	0.013	0.159	5.45E-114	-0.041	0.020	0.041	0.016	514.871	TRUE	3.97E-95
Allergic asthma	RAB3GAP1	rs141140871	G	A	-0.450	0.054	0.013	1.13E-16	-0.032	0.087	0.711	0.002	68.717	TRUE	1.34E-14
Allergic asthma	RAB3GAP1	rs146703450	A	C	-0.483	0.065	0.016	7.77E-14	0.099	0.181	0.583	0.002	55.860	TRUE	6.26E-12
Allergic asthma	RAB3GAP1	rs62168848	A	G	-0.450	0.042	0.018	9.56E-27	0.134	0.063	0.032	0.004	114.607	TRUE	5.70E-21
Allergic asthma	RAB3GAP1	rs72617015	G	A	-0.179	0.025	0.047	5.87E-13	-0.072	0.036	0.047	0.002	51.885	TRUE	8.04E-10
Allergic asthma	RAB3GAP1	rs75205078	C	T	-0.538	0.052	0.017	5.15E-25	0.031	0.041	0.446	0.003	106.707	TRUE	2.17E-21
Allergic asthma	RAB3GAP1	rs76333606	T	C	-0.172	0.031	0.025	3.53E-08	-0.048	0.062	0.438	0.001	30.391	TRUE	7.48E-07
Allergic asthma	RAB3GAP1	rs76847174	T	C	0.114	0.012	0.175	4.13E-21	0.032	0.019	0.093	0.003	88.905	TRUE	7.12E-17
Allergic asthma	RAB3GAP1	rs78064179	T	C	-0.231	0.039	0.016	4.28E-09	-0.045	0.058	0.430	0.001	34.490	TRUE	1.26E-07
Allergic asthma	RELA	rs4645917	A	G	0.080	0.014	0.094	3.45E-09	-0.056	0.027	0.036	0.001	34.909	TRUE	1.03E-06
Allergic asthma	RRAGD	rs1055403	A	G	0.121	0.011	0.158	8.47E-29	0.008	0.022	0.731	0.004	123.981	TRUE	2.68E-25
Allergic asthma	RRAGD	rs10944439	A	T	0.052	0.008	0.376	1.50E-10	0.040	0.014	0.005	0.001	41.024	TRUE	2.90E-07
Allergic asthma	RRAGD	rs112239906	A	G	0.252	0.025	0.028	7.18E-24	0.071	0.097	0.465	0.003	101.484	TRUE	1.95E-20
Allergic asthma	RRAGD	rs113458269	A	G	0.342	0.025	0.028	5.56E-43	-0.022	0.041	0.593	0.006	188.874	TRUE	1.95E-37
Allergic asthma	RRAGD	rs116977633	G	A	0.127	0.021	0.042	9.63E-10	-0.076	0.059	0.195	0.001	37.396	TRUE	9.00E-08
Allergic asthma	RRAGD	rs117173006	C	T	-0.102	0.018	0.054	2.43E-08	0.007	0.035	0.834	0.001	31.117	TRUE	2.03E-07
Allergic asthma	RRAGD	rs117194085	G	A	0.341	0.050	0.039	1.23E-11	0.036	0.030	0.222	0.001	45.925	TRUE	2.05E-09
Allergic asthma	RRAGD	rs117199467	G	A	-0.337	0.038	0.016	2.60E-19	0.121	0.081	0.135	0.003	80.714	TRUE	1.39E-15
Allergic asthma	RRAGD	rs117243822	C	T	0.266	0.038	0.014	2.32E-12	0.035	0.074	0.640	0.002	49.193	TRUE	1.01E-10
Allergic asthma	RRAGD	rs11752357	T	C	-0.092	0.008	0.323	2.84E-27	-0.030	0.015	0.048	0.004	117.013	TRUE	1.24E-21
Allergic asthma	RRAGD	rs11759650	T	C	0.097	0.009	0.297	3.46E-29	0.016	0.016	0.321	0.004	125.759	TRUE	1.14E-24
Allergic asthma	RRAGD	rs118045883	G	A	-0.251	0.038	0.016	4.97E-11	-0.059	0.090	0.508	0.001	43.186	TRUE	2.17E-09
Allergic asthma	RRAGD	rs1209055	T	C	0.208	0.011	0.168	1.21E-86	-0.018	0.016	0.282	0.012	389.218	TRUE	2.77E-74
Allergic asthma	RRAGD	rs1217337	C	A	-0.072	0.011	0.164	2.65E-11	0.048	0.019	0.012	0.001	44.414	TRUE	4.67E-08
Allergic asthma	RRAGD	rs12198870	T	C	0.121	0.015	0.076	7.49E-16	0.021	0.035	0.552	0.002	64.995	TRUE	1.23E-13
Allergic asthma	RRAGD	rs12206737	G	A	-0.048	0.008	0.391	6.07E-09	0.010	0.014	0.457	0.001	33.810	TRUE	1.57E-07
Allergic asthma	RRAGD	rs12210841	A	G	0.428	0.033	0.017	7.60E-39	0.013	0.044	0.776	0.005	169.938	TRUE	3.00E-34
Allergic asthma	RRAGD	rs12661122	A	G	-0.143	0.009	0.294	5.16E-61	0.014	0.015	0.345	0.008	271.553	TRUE	2.41E-52
Allergic asthma	RRAGD	rs13209146	A	G	-0.404	0.010	0.181	0.00E+00	0.005	0.018	0.796	0.048	1602.309	TRUE	4.50E-306
Allergic asthma	RRAGD	rs140777868	T	C	0.425	0.029	0.021	1.66E-47	-0.050	0.041	0.220	0.007	209.604	TRUE	4.54E-40
Allergic asthma	RRAGD	rs140933375	G	A	0.212	0.037	0.015	7.07E-09	0.340	0.123	0.006	0.001	33.513	TRUE	5.17E-06
Allergic asthma	RRAGD	rs142849372	A	G	0.124	0.022	0.038	1.44E-08	0.000	0.025	0.992	0.001	32.133	TRUE	8.91E-08
Allergic asthma	RRAGD	rs143082129	G	A	0.744	0.117	0.022	2.02E-10	-0.040	0.109	0.712	0.001	40.445	TRUE	4.07E-09
Allergic asthma	RRAGD	rs145877894	T	G	0.458	0.028	0.022	2.77E-58	0.004	0.043	0.931	0.008	259.033	TRUE	8.00E-52
Allergic asthma	RRAGD	rs149610194	A	G	-0.346	0.029	0.021	3.53E-32	-0.010	0.048	0.833	0.004	139.430	TRUE	1.73E-28
Allergic asthma	RRAGD	rs149830477	G	T	0.076	0.011	0.146	1.60E-11	0.010	0.022	0.654	0.001	45.403	TRUE	5.22E-10
Allergic asthma	RRAGD	rs16881113	A	C	0.116	0.015	0.075	1.06E-14	-0.007	0.020	0.719	0.002	59.786	TRUE	7.00E-13
Allergic asthma	RRAGD	rs16881774	C	T	-0.199	0.010	0.194	4.46E-88	0.021	0.018	0.249	0.012	395.804	TRUE	2.50E-75
Allergic asthma	RRAGD	rs16882205	T	C	-0.153	0.021	0.040	1.93E-13	0.001	0.036	0.981	0.002	54.075	TRUE	4.12E-12
Allergic asthma	RRAGD	rs17741627	A	G	-0.196	0.013	0.100	1.00E-48	-0.010	0.024	0.687	0.007	215.200	TRUE	9.88E-43

Allergic asthma	RRAGD	rs186683559	T	C	0.154	0.024	0.032	1.52E-10	-0.099	0.074	0.181	0.001	40.996	TRUE	2.11E-08
Allergic asthma	RRAGD	rs1923418	C	A	0.053	0.009	0.508	6.18E-10	0.011	0.014	0.412	0.001	38.262	TRUE	2.57E-08
Allergic asthma	RRAGD	rs1998576	A	G	0.421	0.010	0.191	0.00E+00	0.031	0.016	0.059	0.055	1837.776	TRUE	0.00E+00
Allergic asthma	RRAGD	rs2038338	A	G	-0.206	0.008	0.344	2.23E-136	-0.003	0.014	0.839	0.019	617.781	TRUE	2.52E-120
Allergic asthma	RRAGD	rs2150816	G	A	-0.116	0.009	0.285	6.24E-40	0.004	0.015	0.784	0.005	174.906	TRUE	3.17E-35
Allergic asthma	RRAGD	rs2273507	G	C	-0.130	0.010	0.194	1.10E-38	-0.011	0.017	0.507	0.005	169.204	TRUE	1.90E-33
Allergic asthma	RRAGD	rs2304895	T	C	0.083	0.012	0.115	2.54E-11	0.014	0.022	0.531	0.001	44.497	TRUE	1.13E-09
Allergic asthma	RRAGD	rs2325181	C	T	-0.124	0.010	0.209	2.61E-37	0.036	0.017	0.029	0.005	162.903	TRUE	1.04E-29
Allergic asthma	RRAGD	rs3777518	A	G	0.119	0.008	0.352	1.10E-46	-0.011	0.014	0.410	0.006	205.848	TRUE	3.94E-40
Allergic asthma	RRAGD	rs3798789	A	G	0.120	0.013	0.108	6.44E-20	0.029	0.020	0.144	0.003	83.473	TRUE	3.92E-16
Allergic asthma	RRAGD	rs4593337	A	G	0.269	0.012	0.136	3.00E-119	0.043	0.022	0.045	0.017	539.041	TRUE	9.78E-100
Allergic asthma	RRAGD	rs4706338	G	A	-0.111	0.009	0.337	2.07E-38	-0.029	0.014	0.043	0.005	167.941	TRUE	6.83E-31
Allergic asthma	RRAGD	rs55809194	G	A	-0.204	0.018	0.055	1.14E-28	0.004	0.031	0.895	0.004	123.398	TRUE	1.67E-25
Allergic asthma	RRAGD	rs62415374	T	C	-0.165	0.028	0.022	2.26E-09	0.088	0.057	0.121	0.001	35.729	TRUE	2.87E-07
Allergic asthma	RRAGD	rs68109049	T	C	-0.068	0.008	0.446	2.26E-17	-0.001	0.014	0.967	0.002	71.902	TRUE	1.36E-15
Allergic asthma	RRAGD	rs6939202	G	A	-0.080	0.012	0.128	2.19E-11	0.013	0.017	0.434	0.001	44.793	TRUE	1.36E-09
Allergic asthma	RRAGD	rs72913764	C	T	-0.253	0.022	0.036	5.79E-30	-0.001	0.039	0.975	0.004	129.305	TRUE	8.32E-27
Allergic asthma	RRAGD	rs75386964	G	A	-0.200	0.031	0.019	6.52E-11	-0.068	0.059	0.247	0.001	42.654	TRUE	7.32E-09
Allergic asthma	RRAGD	rs77269634	A	C	0.351	0.035	0.017	3.33E-23	0.154	0.066	0.019	0.003	98.448	TRUE	8.69E-18
Allergic asthma	RRAGD	rs78329749	A	G	-0.174	0.023	0.034	1.10E-13	-0.037	0.028	0.173	0.002	55.175	TRUE	5.30E-11
Allergic asthma	RRAGD	rs79206956	A	G	0.303	0.034	0.018	1.41E-19	-0.048	0.076	0.532	0.003	81.919	TRUE	7.71E-17
Allergic asthma	RRAGD	rs854863	A	T	-0.110	0.009	0.244	1.69E-32	-0.013	0.016	0.411	0.004	140.893	TRUE	8.53E-28
Allergic asthma	RRAGD	rs854908	A	C	-0.138	0.018	0.057	7.36E-15	0.009	0.027	0.729	0.002	60.497	TRUE	4.93E-13
Allergic asthma	RRAGD	rs854918	C	G	0.283	0.009	0.261	8.81E-222	0.038	0.016	0.015	0.031	1010.562	TRUE	1.37E-185
Allergic asthma	RRAGD	rs854923	A	G	0.319	0.015	0.080	1.34E-101	0.021	0.022	0.319	0.014	457.922	TRUE	1.74E-87
Allergic asthma	RRAGD	rs9342188	C	T	0.092	0.015	0.084	6.56E-10	0.050	0.022	0.021	0.001	38.145	TRUE	4.02E-07
Allergic asthma	RRAGD	rs9344921	G	A	-0.166	0.008	0.358	2.15E-90	-0.004	0.014	0.806	0.013	406.448	TRUE	8.91E-80
Allergic asthma	RRAGD	rs9451248	T	C	0.150	0.020	0.043	3.10E-14	-0.030	0.031	0.347	0.002	57.665	TRUE	7.00E-12
Allergic asthma	RRAGD	rs9451249	C	T	-0.071	0.010	0.181	5.51E-12	-0.032	0.017	0.060	0.001	47.494	TRUE	4.00E-09
Allergic asthma	SERINC3	rs11574732	A	G	-0.090	0.011	0.145	4.07E-15	-0.001	0.018	0.966	0.002	61.660	TRUE	1.39E-13
Allergic asthma	SERINC3	rs117284264	G	T	-0.099	0.018	0.058	2.21E-08	0.035	0.024	0.143	0.001	31.297	TRUE	1.60E-06
Allergic asthma	SERINC3	rs140535341	A	C	-0.429	0.051	0.014	3.29E-17	-0.025	0.076	0.739	0.002	71.158	TRUE	4.11E-15
Allergic asthma	SERINC3	rs2148042	T	C	-0.214	0.027	0.028	9.96E-16	0.054	0.039	0.168	0.002	64.435	TRUE	1.07E-12
Allergic asthma	SERINC3	rs2299689	C	T	0.047	0.008	0.402	6.40E-09	-0.007	0.014	0.601	0.001	33.708	TRUE	1.11E-07
Allergic asthma	SERINC3	rs244080	A	C	-0.119	0.010	0.245	4.43E-34	0.014	0.016	0.369	0.005	148.129	TRUE	4.76E-29
Allergic asthma	SERINC3	rs3818247	T	G	-0.048	0.008	0.356	6.11E-09	0.024	0.014	0.088	0.001	33.796	TRUE	8.42E-07
Allergic asthma	SERINC3	rs6103759	A	G	-0.672	0.021	0.042	5.16E-216	0.078	0.035	0.028	0.030	984.029	TRUE	1.22E-181
Allergic asthma	SERINC3	rs6130621	A	G	0.056	0.008	0.380	9.39E-12	-0.001	0.014	0.936	0.001	46.450	TRUE	1.49E-10
Allergic asthma	SERINC3	rs6130660	T	C	0.060	0.009	0.332	4.46E-12	0.028	0.014	0.046	0.002	47.908	TRUE	4.22E-09
Allergic asthma	SERINC3	rs73909510	A	G	-0.094	0.012	0.170	4.17E-16	0.026	0.017	0.122	0.002	66.148	TRUE	7.72E-13
Allergic asthma	SIRT2	rs11667030	T	C	0.050	0.009	0.353	3.67E-08	0.012	0.014	0.388	0.001	30.314	TRUE	8.97E-07
Allergic asthma	SIRT2	rs2015	G	T	0.076	0.008	0.396	1.13E-20	0.029	0.014	0.036	0.003	86.913	TRUE	5.19E-16

Allergic asthma	SLC30A7	rs41306171	T	C	-0.203	0.013	0.101	2.71E-53	-0.058	0.028	0.039	0.007	236.141	TRUE	2.17E-43
Allergic asthma	SLC30A7	rs7522355	T	C	-0.053	0.009	0.262	6.09E-09	-0.004	0.016	0.809	0.001	33.805	TRUE	6.34E-08
Allergic asthma	SLC30A7	rs7543296	C	A	0.073	0.008	0.394	1.78E-19	0.025	0.014	0.069	0.003	81.463	TRUE	2.38E-15
Allergic asthma	SLC39A1	rs116651633	G	A	-0.152	0.024	0.036	3.27E-10	-0.131	0.041	0.002	0.001	39.504	TRUE	1.02E-06
Allergic asthma	SLC39A1	rs116689813	G	T	0.286	0.035	0.017	1.94E-16	-0.020	0.042	0.627	0.002	67.660	TRUE	2.89E-14
Allergic asthma	SLC39A1	rs16835630	C	T	0.243	0.040	0.015	9.05E-10	0.074	0.046	0.106	0.001	37.518	TRUE	1.53E-07
Allergic asthma	SLC39A1	rs17364880	T	C	-0.160	0.013	0.105	6.50E-35	0.102	0.028	2.28E-04	0.005	151.940	TRUE	2.14E-25
Allergic asthma	SLC39A1	rs28654266	T	C	0.190	0.030	0.024	3.54E-10	-0.040	0.037	0.278	0.001	39.351	TRUE	2.64E-08
Allergic asthma	SLC39A1	rs4103781	C	T	0.059	0.008	0.494	1.10E-13	0.040	0.013	0.003	0.002	55.181	TRUE	1.59E-09
Allergic asthma	SLC39A1	rs41265213	T	C	-0.235	0.025	0.032	1.33E-20	-0.022	0.025	0.387	0.003	86.585	TRUE	1.95E-17
Allergic asthma	SLC39A1	rs4475793	G	A	-0.097	0.010	0.190	1.62E-21	-0.045	0.017	0.007	0.003	90.754	TRUE	5.63E-16
Allergic asthma	SLC39A1	rs4845353	C	T	0.046	0.008	0.464	9.30E-09	0.031	0.014	0.022	0.001	32.980	TRUE	3.09E-06
Allergic asthma	SLC39A1	rs56065125	T	C	-0.193	0.035	0.019	4.38E-08	-0.017	0.071	0.807	0.001	29.972	TRUE	3.63E-07
Allergic asthma	SLC39A1	rs6667222	C	A	-0.101	0.009	0.255	3.19E-28	-0.012	0.016	0.434	0.004	121.352	TRUE	3.82E-24
Allergic asthma	SLC39A1	rs6724	C	G	0.256	0.009	0.300	2.62E-196	0.030	0.014	0.037	0.027	893.379	TRUE	2.75E-165
Allergic asthma	SLC39A1	rs72696241	A	G	-0.104	0.009	0.274	2.12E-31	-0.033	0.014	0.023	0.004	135.869	TRUE	1.20E-24
Allergic asthma	SLC39A1	rs74590348	G	A	0.276	0.037	0.017	1.40E-13	0.052	0.107	0.625	0.002	54.697	TRUE	9.12E-12
Allergic asthma	SLC39A1	rs79862066	T	C	0.217	0.035	0.018	7.67E-10	0.059	0.038	0.122	0.001	37.840	TRUE	1.17E-07
Allergic asthma	SLC39A1	rs9426887	A	G	0.186	0.019	0.052	2.63E-23	-0.011	0.035	0.753	0.003	98.916	TRUE	1.67E-20
Allergic asthma	SLC40A1	rs10189190	C	T	0.362	0.009	0.267	0.00E+00	0.022	0.015	0.127	0.051	1700.022	TRUE	0.00E+00
Allergic asthma	SLC40A1	rs114954823	C	T	-0.087	0.015	0.079	4.20E-09	0.044	0.028	0.113	0.001	34.525	TRUE	5.04E-07
Allergic asthma	SLC40A1	rs115109977	G	A	-0.164	0.028	0.028	5.70E-09	-0.032	0.025	0.208	0.001	33.933	TRUE	3.69E-07
Allergic asthma	SLC40A1	rs116069054	C	T	0.128	0.022	0.035	6.28E-09	0.006	0.032	0.853	0.001	33.742	TRUE	5.89E-08
Allergic asthma	SLC40A1	rs116749612	T	C	-0.268	0.029	0.026	5.97E-21	-0.001	0.034	0.987	0.003	88.178	TRUE	8.29E-19
Allergic asthma	SLC40A1	rs12478752	C	T	-0.079	0.010	0.180	3.16E-14	0.000	0.020	0.990	0.002	57.626	TRUE	8.02E-13
Allergic asthma	SLC40A1	rs12999011	C	T	0.242	0.012	0.133	1.04E-90	0.012	0.018	0.527	0.013	407.885	TRUE	5.27E-79
Allergic asthma	SLC40A1	rs13396619	T	A	-0.170	0.025	0.028	7.49E-12	-0.010	0.030	0.737	0.001	46.892	TRUE	2.11E-10
Allergic asthma	SLC40A1	rs137979680	T	C	0.353	0.035	0.018	1.16E-23	-0.024	0.063	0.706	0.003	100.534	TRUE	9.89E-21
Allergic asthma	SLC40A1	rs146700156	C	T	0.277	0.031	0.024	7.82E-19	0.003	0.030	0.930	0.002	78.540	TRUE	7.76E-17
Allergic asthma	SLC40A1	rs149715350	A	G	-0.143	0.023	0.038	5.35E-10	-0.060	0.029	0.036	0.001	38.542	TRUE	2.34E-07
Allergic asthma	SLC40A1	rs149739676	G	T	0.333	0.038	0.016	2.69E-18	-0.001	0.057	0.982	0.002	76.096	TRUE	1.95E-16
Allergic asthma	SLC40A1	rs17198871	G	A	0.242	0.022	0.043	4.12E-29	0.054	0.037	0.142	0.004	125.410	TRUE	6.63E-24
Allergic asthma	SLC40A1	rs17271239	G	A	-0.184	0.032	0.023	1.31E-08	-0.039	0.040	0.328	0.001	32.315	TRUE	4.56E-07
Allergic asthma	SLC40A1	rs180767157	A	C	0.219	0.031	0.022	1.04E-12	0.045	0.039	0.256	0.002	50.771	TRUE	2.13E-10
Allergic asthma	SLC40A1	rs28526366	G	A	0.179	0.014	0.085	8.26E-36	0.017	0.022	0.425	0.005	156.042	TRUE	1.03E-30
Allergic asthma	SLC40A1	rs35772309	A	G	0.153	0.009	0.311	9.47E-71	0.034	0.015	0.019	0.010	316.236	TRUE	1.57E-57
Allergic asthma	SLC40A1	rs41265563	G	A	0.148	0.019	0.055	1.12E-14	0.011	0.037	0.761	0.002	59.675	TRUE	6.43E-13
Allergic asthma	SLC40A1	rs41272803	G	A	-0.242	0.044	0.014	3.21E-08	0.026	0.046	0.571	0.001	30.575	TRUE	4.83E-07
Allergic asthma	SLC40A1	rs4417750	C	T	-0.169	0.012	0.131	4.10E-47	-0.026	0.020	0.197	0.007	207.808	TRUE	1.31E-39
Allergic asthma	SLC40A1	rs4494782	C	T	0.249	0.020	0.044	3.43E-37	0.045	0.036	0.213	0.005	162.364	TRUE	3.69E-31
Allergic asthma	SLC40A1	rs5743063	T	C	-0.090	0.009	0.231	1.44E-21	0.009	0.016	0.548	0.003	90.983	TRUE	1.33E-18
Allergic asthma	SLC40A1	rs59193157	C	T	0.285	0.022	0.034	1.15E-37	-0.059	0.042	0.158	0.005	164.542	TRUE	2.72E-31

Allergic asthma	SLC40A1	rs62183592	T	C	-0.182	0.021	0.048	8.07E-19	0.005	0.036	0.889	0.002	78.477	TRUE	9.21E-17
Allergic asthma	SLC40A1	rs62184177	G	A	0.223	0.021	0.048	2.59E-27	0.032	0.029	0.255	0.004	117.199	TRUE	7.59E-23
Allergic asthma	SLC40A1	rs6434360	A	C	0.173	0.028	0.025	1.04E-09	-0.003	0.032	0.936	0.001	37.237	TRUE	9.82E-09
Allergic asthma	SLC40A1	rs6733797	G	A	0.178	0.027	0.023	2.32E-11	0.096	0.050	0.057	0.001	44.676	TRUE	1.34E-08
Allergic asthma	SLC40A1	rs71434657	A	C	-0.144	0.021	0.064	4.50E-12	-0.079	0.035	0.025	0.002	47.892	TRUE	6.86E-09
Allergic asthma	SLC40A1	rs72916297	G	T	-0.245	0.016	0.076	3.70E-50	-0.016	0.022	0.457	0.007	221.765	TRUE	2.60E-43
Allergic asthma	SLC40A1	rs73981468	G	A	0.113	0.021	0.041	4.51E-08	-0.027	0.033	0.412	0.001	29.917	TRUE	9.94E-07
Allergic asthma	SLC40A1	rs7419983	T	C	0.070	0.009	0.247	5.77E-14	0.020	0.016	0.206	0.002	56.445	TRUE	2.48E-11
Allergic asthma	SLC40A1	rs74787438	T	C	-0.165	0.021	0.038	3.18E-15	-0.001	0.032	0.971	0.002	62.148	TRUE	1.10E-13
Allergic asthma	SLC40A1	rs76148000	G	T	-0.223	0.033	0.021	1.82E-11	-0.052	0.072	0.466	0.001	45.148	TRUE	1.05E-09
Allergic asthma	SLC40A1	rs76194616	A	G	-0.288	0.039	0.016	1.88E-13	-0.108	0.080	0.179	0.002	54.128	TRUE	7.95E-11
Allergic asthma	SLC40A1	rs77284543	T	C	-0.253	0.027	0.030	5.69E-21	-0.037	0.060	0.533	0.003	88.272	TRUE	4.68E-18
Allergic asthma	SLC40A1	rs77387465	G	C	0.219	0.025	0.032	1.41E-18	0.008	0.031	0.782	0.002	77.379	TRUE	2.20E-16
Allergic asthma	SLC40A1	rs78224262	C	T	-0.113	0.012	0.134	8.75E-20	0.010	0.020	0.624	0.003	82.865	TRUE	3.48E-17
Allergic asthma	SLC40A1	rs78783419	A	G	-0.322	0.027	0.029	1.82E-33	-0.023	0.031	0.461	0.005	145.318	TRUE	8.97E-29
Allergic asthma	SLC40A1	rs78800852	T	C	-0.265	0.047	0.014	1.29E-08	0.100	0.057	0.081	0.001	32.340	TRUE	1.64E-06
Allergic asthma	SLC40A1	rs79413772	T	C	-0.205	0.023	0.043	2.09E-19	-0.011	0.030	0.712	0.003	81.150	TRUE	5.29E-17
Allergic asthma	SPATA2	rs11697848	T	C	-0.152	0.020	0.040	8.00E-14	0.118	0.054	0.029	0.002	55.803	TRUE	2.41E-10
Allergic asthma	SPTLC2	rs10132619	G	A	0.146	0.010	0.193	1.02E-45	0.027	0.019	0.155	0.006	201.417	TRUE	3.64E-38
Allergic asthma	SPTLC2	rs10151907	G	C	0.299	0.014	0.083	6.63E-97	-0.012	0.024	0.622	0.014	436.357	TRUE	8.18E-85
Allergic asthma	SPTLC2	rs1055592	A	G	-0.067	0.010	0.209	1.72E-11	0.004	0.017	0.821	0.001	45.266	TRUE	3.47E-10
Allergic asthma	SPTLC2	rs11159310	T	C	-0.060	0.010	0.208	2.36E-09	-0.028	0.017	0.098	0.001	35.653	TRUE	3.56E-07
Allergic asthma	SPTLC2	rs112017861	A	G	0.151	0.022	0.035	1.58E-11	-0.038	0.034	0.263	0.001	45.433	TRUE	2.05E-09
Allergic asthma	SPTLC2	rs113724579	G	A	-0.224	0.016	0.078	4.90E-47	-0.052	0.025	0.036	0.007	207.456	TRUE	4.96E-38
Allergic asthma	SPTLC2	rs113903554	C	T	0.229	0.027	0.026	1.65E-17	0.018	0.035	0.605	0.002	72.514	TRUE	3.65E-15
Allergic asthma	SPTLC2	rs114659620	T	C	0.235	0.019	0.048	2.66E-36	0.109	0.043	0.011	0.005	158.291	TRUE	2.77E-28
Allergic asthma	SPTLC2	rs11626688	T	C	0.230	0.035	0.018	9.46E-11	0.004	0.083	0.958	0.001	41.928	TRUE	1.10E-09
Allergic asthma	SPTLC2	rs116969909	C	T	-0.124	0.020	0.044	5.91E-10	-0.003	0.027	0.918	0.001	38.349	TRUE	6.19E-09
Allergic asthma	SPTLC2	rs117138369	T	C	0.337	0.038	0.016	1.53E-18	0.108	0.075	0.149	0.002	77.210	TRUE	5.41E-15
Allergic asthma	SPTLC2	rs117921602	C	T	0.213	0.033	0.018	1.54E-10	0.009	0.050	0.861	0.001	40.978	TRUE	2.16E-09
Allergic asthma	SPTLC2	rs12885954	T	C	-0.227	0.016	0.072	1.47E-45	-0.030	0.025	0.238	0.006	200.685	TRUE	1.76E-38
Allergic asthma	SPTLC2	rs144900163	A	G	0.299	0.051	0.016	4.71E-09	-0.138	0.115	0.231	0.001	34.305	TRUE	2.83E-07
Allergic asthma	SPTLC2	rs147697521	T	C	-0.283	0.040	0.017	9.09E-13	0.068	0.080	0.395	0.002	51.028	TRUE	1.03E-10
Allergic asthma	SPTLC2	rs149849326	C	T	-0.325	0.052	0.016	4.01E-10	-0.124	0.070	0.077	0.001	39.108	TRUE	1.03E-07
Allergic asthma	SPTLC2	rs150413859	C	T	0.265	0.046	0.014	6.38E-09	-0.041	0.113	0.720	0.001	33.715	TRUE	8.19E-08
Allergic asthma	SPTLC2	rs158118	T	C	-0.051	0.009	0.307	2.26E-09	-0.008	0.014	0.591	0.001	35.734	TRUE	4.61E-08
Allergic asthma	SPTLC2	rs17105740	T	C	-0.187	0.022	0.038	7.28E-18	0.007	0.044	0.868	0.002	74.134	TRUE	6.96E-16
Allergic asthma	SPTLC2	rs17751746	T	G	0.226	0.014	0.095	2.13E-60	0.038	0.022	0.091	0.008	268.727	TRUE	3.37E-50
Allergic asthma	SPTLC2	rs182631237	T	C	0.193	0.028	0.024	3.10E-12	0.039	0.039	0.310	0.002	48.620	TRUE	4.18E-10
Allergic asthma	SPTLC2	rs2012998	A	G	-0.329	0.008	0.465	0.00E+00	-0.032	0.014	0.018	0.054	1797.101	TRUE	0.00E+00
Allergic asthma	SPTLC2	rs2287381	T	G	-0.068	0.009	0.257	3.61E-13	0.007	0.016	0.666	0.002	52.841	TRUE	1.83E-11
Allergic asthma	SPTLC2	rs2299928	G	A	0.050	0.009	0.287	2.98E-08	0.013	0.015	0.363	0.001	30.719	TRUE	8.12E-07

Allergic asthma	SPTLC2	rs2363641	G	A	-0.098	0.008	0.332	1.35E-31	-0.022	0.014	0.114	0.004	136.774	TRUE	7.57E-26
Allergic asthma	SPTLC2	rs28607620	G	A	0.059	0.010	0.214	9.06E-09	0.020	0.016	0.216	0.001	33.031	TRUE	5.23E-07
Allergic asthma	SPTLC2	rs28771140	T	C	-0.106	0.008	0.466	7.36E-39	-0.005	0.014	0.700	0.005	169.999	TRUE	4.38E-34
Allergic asthma	SPTLC2	rs3861632	G	A	-0.064	0.008	0.497	8.24E-16	-0.019	0.014	0.157	0.002	64.808	TRUE	9.88E-13
Allergic asthma	SPTLC2	rs4243658	G	A	-0.200	0.008	0.439	4.01E-140	-0.027	0.014	0.046	0.020	635.000	TRUE	1.29E-117
Allergic asthma	SPTLC2	rs4903647	C	T	-0.104	0.008	0.427	2.48E-36	-0.013	0.014	0.349	0.005	158.428	TRUE	6.16E-31
Allergic asthma	SPTLC2	rs56753733	C	A	0.103	0.011	0.141	1.37E-19	-0.004	0.019	0.848	0.003	81.987	TRUE	2.21E-17
Allergic asthma	SPTLC2	rs61990793	G	A	-0.094	0.008	0.415	2.29E-30	-0.028	0.014	0.048	0.004	131.149	TRUE	3.19E-24
Allergic asthma	SPTLC2	rs61993671	T	A	-0.159	0.015	0.079	3.58E-25	0.008	0.028	0.785	0.003	107.426	TRUE	3.32E-22
Allergic asthma	SPTLC2	rs71413485	T	C	0.084	0.011	0.141	1.97E-13	0.011	0.022	0.633	0.002	54.031	TRUE	1.20E-11
Allergic asthma	SPTLC2	rs7156671	G	A	0.128	0.009	0.276	3.10E-47	0.010	0.015	0.505	0.007	208.367	TRUE	6.53E-41
Allergic asthma	SPTLC2	rs7160705	A	G	0.068	0.008	0.387	8.24E-17	0.019	0.014	0.199	0.002	69.348	TRUE	1.03E-13
Allergic asthma	SPTLC2	rs77532195	T	C	0.476	0.018	0.051	6.54E-156	0.040	0.028	0.149	0.022	707.592	TRUE	4.74E-133
Allergic asthma	SPTLC2	rs77907024	T	G	0.069	0.010	0.213	3.09E-12	0.009	0.016	0.554	0.002	48.625	TRUE	1.69E-10
Allergic asthma	SPTLC2	rs78026425	G	C	0.103	0.014	0.095	4.17E-14	0.032	0.022	0.143	0.002	57.083	TRUE	2.96E-11
Allergic asthma	SPTLC2	rs78054025	T	C	-0.284	0.045	0.014	2.26E-10	-0.055	0.054	0.308	0.001	40.226	TRUE	1.59E-08
Allergic asthma	SPTLC2	rs79029449	A	C	-0.235	0.016	0.069	1.57E-47	-0.021	0.025	0.389	0.007	209.727	TRUE	8.55E-41
Allergic asthma	SPTLC2	rs8016340	A	G	-0.047	0.008	0.384	1.04E-08	0.017	0.014	0.215	0.001	32.757	TRUE	5.91E-07
Allergic asthma	SPTLC2	rs8177551	C	T	0.193	0.016	0.066	6.39E-32	0.013	0.029	0.649	0.004	138.251	TRUE	7.16E-28
Allergic asthma	SPTLC2	rs8177563	T	C	0.379	0.031	0.021	1.46E-34	-0.039	0.074	0.599	0.005	150.333	TRUE	4.48E-30
Allergic asthma	STAT5A	rs12938897	A	T	-0.072	0.010	0.222	3.85E-14	-0.011	0.016	0.490	0.002	57.238	TRUE	4.72E-12
Allergic asthma	STAT5A	rs12939073	T	A	0.052	0.009	0.272	1.29E-08	0.030	0.015	0.046	0.001	32.349	TRUE	2.45E-06
Allergic asthma	STAT5A	rs2128786	C	T	-0.047	0.009	0.345	4.62E-08	0.002	0.014	0.906	0.001	29.867	TRUE	3.05E-07
Allergic asthma	STAT5A	rs76263417	G	T	-0.100	0.018	0.064	2.68E-08	-0.026	0.023	0.264	0.001	30.923	TRUE	1.06E-06
Allergic asthma	STAT5A	rs9909659	A	G	-0.165	0.010	0.201	6.02E-62	-0.039	0.017	0.023	0.009	275.834	TRUE	3.00E-50
Allergic asthma	STK25	rs12476462	G	A	0.057	0.010	0.185	1.93E-08	-0.012	0.019	0.522	0.001	31.560	TRUE	3.54E-07
Allergic asthma	STK25	rs138807997	G	A	-0.172	0.027	0.035	8.58E-11	0.051	0.042	0.225	0.001	42.117	TRUE	1.03E-08
Allergic asthma	STK25	rs4675917	C	T	-0.084	0.009	0.303	1.56E-21	0.031	0.015	0.039	0.003	90.834	TRUE	9.23E-17
Allergic asthma	STK25	rs886809	G	A	-0.115	0.010	0.221	4.98E-33	0.032	0.015	0.031	0.005	143.321	TRUE	3.58E-26
Allergic asthma	STX4	rs1046276	T	C	0.312	0.008	0.375	0.00E+00	0.026	0.014	0.066	0.045	1508.584	TRUE	2.28E-280
Allergic asthma	STX4	rs11150606	C	T	-0.150	0.020	0.050	1.92E-13	-0.047	0.026	0.070	0.002	54.087	TRUE	2.23E-10
Allergic asthma	STX4	rs112766425	G	A	0.285	0.017	0.060	5.35E-60	0.033	0.039	0.397	0.008	266.894	TRUE	1.13E-51
Allergic asthma	STX4	rs11642632	A	G	0.186	0.024	0.032	4.49E-15	0.089	0.045	0.048	0.002	61.468	TRUE	1.49E-11
Allergic asthma	STX4	rs116849262	A	G	-0.170	0.024	0.036	2.34E-12	0.041	0.030	0.171	0.002	49.176	TRUE	6.91E-10
Allergic asthma	STX4	rs117219760	G	T	0.277	0.042	0.024	2.61E-11	0.052	0.054	0.333	0.001	44.446	TRUE	2.31E-09
Allergic asthma	STX4	rs117829446	C	T	-0.152	0.013	0.099	1.30E-29	-0.072	0.023	0.002	0.004	127.705	TRUE	6.12E-22
Allergic asthma	STX4	rs118151917	C	G	-0.324	0.054	0.014	2.02E-09	-0.085	0.136	0.532	0.001	35.955	TRUE	4.92E-08
Allergic asthma	STX4	rs12918549	T	C	-0.059	0.009	0.340	4.73E-12	-0.015	0.015	0.314	0.002	47.792	TRUE	5.88E-10
Allergic asthma	STX4	rs138453524	A	G	0.282	0.035	0.019	1.55E-15	0.000	0.049	0.995	0.002	63.561	TRUE	5.38E-14
Allergic asthma	STX4	rs139294330	G	A	-0.153	0.025	0.035	5.85E-10	0.037	0.036	0.301	0.001	38.368	TRUE	3.66E-08
Allergic asthma	STX4	rs143159643	T	C	-0.325	0.058	0.014	1.57E-08	0.041	0.050	0.414	0.001	31.968	TRUE	4.02E-07
Allergic asthma	STX4	rs146060040	T	C	0.255	0.037	0.017	8.39E-12	-0.038	0.078	0.626	0.001	46.671	TRUE	3.22E-10

Allergic asthma	STX4	rs147208188	A	G	0.305	0.027	0.024	2.78E-29	0.054	0.074	0.467	0.004	126.190	TRUE	3.81E-25
Allergic asthma	STX4	rs149949703	A	G	0.209	0.038	0.017	3.91E-08	-0.174	0.064	0.006	0.001	30.191	TRUE	1.80E-05
Allergic asthma	STX4	rs28385574	T	C	-0.209	0.017	0.068	8.78E-34	-0.030	0.026	0.244	0.005	146.769	TRUE	2.31E-28
Allergic asthma	STX4	rs4321211	C	T	-0.049	0.008	0.493	6.72E-10	0.000	0.013	0.995	0.001	38.099	TRUE	5.73E-09
Allergic asthma	STX4	rs4447446	C	T	0.112	0.008	0.469	5.73E-45	0.010	0.014	0.471	0.006	197.981	TRUE	7.92E-39
Allergic asthma	STX4	rs4500746	T	C	0.069	0.009	0.303	1.32E-15	0.023	0.015	0.119	0.002	63.881	TRUE	2.07E-12
Allergic asthma	STX4	rs4889654	G	A	0.077	0.008	0.375	1.31E-20	0.000	0.014	0.992	0.003	86.630	TRUE	1.63E-18
Allergic asthma	STX4	rs56142883	T	C	0.260	0.025	0.031	6.83E-25	0.058	0.041	0.158	0.003	106.145	TRUE	2.10E-20
Allergic asthma	STX4	rs72785572	C	T	0.194	0.018	0.063	1.48E-26	0.022	0.020	0.275	0.004	113.744	TRUE	2.91E-22
Allergic asthma	STX4	rs72785590	A	G	0.158	0.020	0.052	1.63E-15	0.022	0.021	0.303	0.002	63.466	TRUE	6.99E-13
Allergic asthma	STX4	rs72792516	C	T	-0.108	0.019	0.050	1.44E-08	-0.051	0.032	0.109	0.001	32.136	TRUE	1.41E-06
Allergic asthma	STX4	rs72800851	T	C	-0.203	0.033	0.021	4.75E-10	-0.044	0.036	0.213	0.001	38.776	TRUE	4.57E-08
Allergic asthma	STX4	rs74776661	A	C	-0.211	0.036	0.018	4.45E-09	-0.028	0.118	0.813	0.001	34.413	TRUE	4.77E-08
Allergic asthma	STX4	rs75812329	A	G	0.112	0.018	0.076	4.48E-10	0.021	0.028	0.453	0.001	38.888	TRUE	1.71E-08
Allergic asthma	STX4	rs77353311	G	A	-0.199	0.014	0.098	3.68E-47	-0.042	0.022	0.052	0.007	208.026	TRUE	1.98E-38
Allergic asthma	STX4	rs79030220	T	C	-0.172	0.020	0.055	1.27E-18	0.099	0.029	7.21E-04	0.002	77.580	TRUE	6.09E-13
Allergic asthma	SYK	rs10123208	T	G	-0.104	0.014	0.092	5.65E-14	-0.002	0.022	0.912	0.002	56.486	TRUE	1.70E-12
Allergic asthma	SYK	rs10821456	T	C	0.110	0.010	0.197	4.89E-28	-0.004	0.017	0.804	0.004	120.505	TRUE	9.05E-25
Allergic asthma	SYK	rs10991716	G	A	-0.055	0.008	0.400	9.75E-12	0.022	0.014	0.105	0.001	46.376	TRUE	3.76E-09
Allergic asthma	SYK	rs10992452	C	A	0.133	0.017	0.061	9.43E-16	-0.033	0.029	0.252	0.002	64.541	TRUE	5.82E-13
Allergic asthma	SYK	rs10993556	G	T	0.150	0.019	0.044	1.15E-14	-0.021	0.050	0.675	0.002	59.610	TRUE	8.73E-13
Allergic asthma	SYK	rs10993678	A	G	0.328	0.009	0.280	0.00E+00	-0.022	0.016	0.174	0.043	1422.881	TRUE	6.19E-267
Allergic asthma	SYK	rs10993704	T	C	-0.187	0.014	0.083	2.89E-38	0.001	0.025	0.953	0.005	167.277	TRUE	3.93E-34
Allergic asthma	SYK	rs10993726	T	C	0.147	0.009	0.245	4.33E-57	-0.017	0.021	0.408	0.008	253.551	TRUE	3.50E-49
Allergic asthma	SYK	rs112858117	A	G	-0.321	0.037	0.016	1.49E-18	0.062	0.048	0.199	0.002	77.270	TRUE	3.48E-15
Allergic asthma	SYK	rs11793644	T	C	-0.257	0.020	0.044	2.38E-39	-0.017	0.029	0.547	0.005	172.245	TRUE	3.90E-34
Allergic asthma	SYK	rs12378398	C	T	-0.111	0.010	0.179	5.04E-26	-0.006	0.019	0.741	0.004	111.314	TRUE	7.09E-23
Allergic asthma	SYK	rs13559	T	C	0.069	0.010	0.203	4.42E-11	0.010	0.018	0.555	0.001	43.415	TRUE	1.69E-09
Allergic asthma	SYK	rs140141500	A	C	-0.311	0.028	0.026	6.21E-29	-0.040	0.044	0.362	0.004	124.596	TRUE	1.43E-24
Allergic asthma	SYK	rs142604132	T	C	0.284	0.052	0.012	3.98E-08	0.014	0.091	0.876	0.001	30.158	TRUE	2.86E-07
Allergic asthma	SYK	rs144247051	A	G	-0.449	0.048	0.015	1.30E-20	0.082	0.046	0.075	0.003	86.637	TRUE	2.44E-16
Allergic asthma	SYK	rs144852943	G	A	-0.272	0.047	0.013	5.76E-09	-0.012	0.062	0.850	0.001	33.912	TRUE	5.48E-08
Allergic asthma	SYK	rs149514632	A	G	0.314	0.024	0.032	7.27E-40	0.017	0.061	0.784	0.005	174.603	TRUE	3.61E-35
Allergic asthma	SYK	rs150594365	T	C	-0.419	0.050	0.015	7.56E-17	-0.082	0.091	0.368	0.002	69.518	TRUE	3.67E-14
Allergic asthma	SYK	rs158685	A	G	-0.277	0.009	0.303	2.20E-219	-0.009	0.015	0.529	0.031	999.533	TRUE	4.18E-191
Allergic asthma	SYK	rs1675317	G	A	0.083	0.010	0.181	1.30E-15	0.029	0.020	0.152	0.002	63.906	TRUE	1.52E-12
Allergic asthma	SYK	rs1760118	G	A	-0.050	0.009	0.261	4.73E-08	-0.017	0.015	0.250	0.001	29.821	TRUE	1.79E-06
Allergic asthma	SYK	rs1854923	G	A	-0.046	0.008	0.355	3.16E-08	-0.005	0.014	0.709	0.001	30.608	TRUE	3.40E-07
Allergic asthma	SYK	rs2162978	A	G	0.257	0.029	0.022	1.24E-18	-0.035	0.049	0.473	0.002	77.625	TRUE	6.54E-16
Allergic asthma	SYK	rs2613293	A	C	0.105	0.010	0.223	6.04E-28	-0.020	0.018	0.259	0.004	120.083	TRUE	2.11E-23
Allergic asthma	SYK	rs290205	A	C	-0.079	0.012	0.126	5.21E-11	0.038	0.017	0.030	0.001	43.094	TRUE	4.17E-08
Allergic asthma	SYK	rs290212	C	T	-0.214	0.009	0.257	7.87E-123	0.022	0.015	0.143	0.017	555.500	TRUE	1.82E-104

Allergic asthma	SYK	rs290243	A	G	-0.387	0.009	0.227	0.00E+00	0.037	0.014	0.009	0.052	1745.298	TRUE	0.00E+00
Allergic asthma	SYK	rs290269	G	C	0.153	0.010	0.204	4.00E-54	-0.020	0.017	0.233	0.008	239.950	TRUE	7.52E-46
Allergic asthma	SYK	rs296634	G	A	-0.080	0.013	0.113	2.05E-10	-0.027	0.018	0.144	0.001	40.416	TRUE	3.40E-08
Allergic asthma	SYK	rs34916919	G	A	0.249	0.024	0.032	2.29E-25	-0.077	0.041	0.058	0.003	108.307	TRUE	3.73E-20
Allergic asthma	SYK	rs553405	C	T	-0.135	0.019	0.046	2.32E-12	0.066	0.037	0.072	0.002	49.190	TRUE	1.66E-09
Allergic asthma	SYK	rs55797452	T	A	0.110	0.015	0.072	1.11E-12	-0.023	0.031	0.460	0.002	50.631	TRUE	9.62E-11
Allergic asthma	SYK	rs57851852	C	T	0.226	0.016	0.069	8.08E-47	0.003	0.030	0.910	0.006	206.461	TRUE	1.29E-41
Allergic asthma	SYK	rs62556138	T	C	0.119	0.021	0.041	2.85E-08	0.083	0.034	0.015	0.001	30.805	TRUE	9.01E-06
Allergic asthma	SYK	rs62559064	G	A	0.293	0.015	0.077	3.15E-84	-0.014	0.031	0.646	0.012	378.124	TRUE	8.69E-74
Allergic asthma	SYK	rs7033851	A	C	0.068	0.008	0.421	4.39E-17	-0.014	0.014	0.324	0.002	70.589	TRUE	2.86E-14
Allergic asthma	SYK	rs72729059	T	C	-0.147	0.027	0.024	4.33E-08	-0.051	0.032	0.119	0.001	29.996	TRUE	3.22E-06
Allergic asthma	SYK	rs72729087	T	C	-0.129	0.012	0.122	3.19E-26	0.002	0.019	0.904	0.004	112.216	TRUE	2.38E-23
Allergic asthma	SYK	rs72741339	G	A	0.122	0.020	0.047	7.00E-10	-0.004	0.031	0.901	0.001	38.017	TRUE	7.50E-09
Allergic asthma	SYK	rs72742798	A	T	-0.392	0.017	0.056	2.38E-114	0.008	0.020	0.707	0.016	516.518	TRUE	1.91E-100
Allergic asthma	SYK	rs73650236	T	C	0.222	0.033	0.018	2.98E-11	-0.121	0.111	0.275	0.001	44.185	TRUE	3.33E-09
Allergic asthma	SYK	rs74890018	A	G	0.357	0.054	0.012	3.09E-11	0.013	0.183	0.944	0.001	44.116	TRUE	4.21E-10
Allergic asthma	SYK	rs74942864	A	G	0.431	0.040	0.014	1.78E-27	-0.124	0.091	0.171	0.004	117.941	TRUE	1.17E-22
Allergic asthma	SYK	rs75328154	T	C	-0.282	0.009	0.223	2.53E-195	0.014	0.017	0.412	0.027	888.850	TRUE	1.83E-169
Allergic asthma	SYK	rs76375063	A	G	0.098	0.015	0.091	2.47E-11	-0.019	0.031	0.543	0.001	44.558	TRUE	1.06E-09
Allergic asthma	SYK	rs77800109	G	A	-0.149	0.024	0.037	5.86E-10	-0.005	0.024	0.839	0.001	38.366	TRUE	7.47E-09
Allergic asthma	SYK	rs7846869	G	C	-0.236	0.012	0.135	4.24E-92	0.011	0.018	0.530	0.013	414.272	TRUE	3.13E-80
Allergic asthma	SYK	rs7863711	G	A	-0.091	0.008	0.449	4.36E-29	0.001	0.014	0.945	0.004	125.297	TRUE	5.72E-26
Allergic asthma	SYK	rs7871673	C	T	0.228	0.025	0.028	1.22E-19	-0.039	0.047	0.410	0.003	82.205	TRUE	1.18E-16
Allergic asthma	SYK	rs79020069	T	C	-0.217	0.033	0.018	3.04E-11	0.114	0.055	0.037	0.001	44.145	TRUE	2.36E-08
Allergic asthma	SYK	rs79479045	T	A	0.148	0.020	0.043	6.43E-14	0.049	0.035	0.166	0.002	56.231	TRUE	3.56E-11
Allergic asthma	SYK	rs80038149	T	C	0.271	0.021	0.042	5.15E-38	-0.024	0.043	0.570	0.005	166.131	TRUE	5.02E-33
Allergic asthma	SYK	rs979464	A	G	-0.102	0.013	0.113	6.19E-16	0.007	0.020	0.737	0.002	65.373	TRUE	5.47E-14
Allergic asthma	TAB2	rs117578942	T	G	-0.230	0.037	0.018	5.96E-10	-0.038	0.086	0.656	0.001	38.331	TRUE	1.22E-08
Allergic asthma	TAB2	rs577001	T	C	-0.052	0.008	0.372	2.90E-10	0.039	0.014	0.005	0.001	39.735	TRUE	4.79E-07
Allergic asthma	TAB2	rs62425952	T	C	-0.165	0.010	0.175	2.23E-56	0.072	0.019	2.21E-04	0.008	250.286	TRUE	1.01E-42
Allergic asthma	TAB2	rs72555848	C	A	-0.108	0.014	0.083	9.17E-14	-0.001	0.028	0.959	0.002	55.535	TRUE	2.27E-12
Allergic asthma	TAB2	rs75912148	T	C	-0.063	0.011	0.169	2.76E-09	0.039	0.018	0.030	0.001	35.343	TRUE	9.84E-07
Allergic asthma	TAB2	rs7748981	G	T	0.063	0.008	0.339	5.56E-14	-0.041	0.015	0.006	0.002	56.517	TRUE	6.31E-10
Allergic asthma	TAB2	rs9718306	T	C	0.045	0.008	0.385	4.12E-08	-0.019	0.014	0.156	0.001	30.090	TRUE	2.47E-06
Allergic asthma	TFEB	rs35250013	A	T	0.053	0.009	0.300	1.53E-08	0.009	0.015	0.558	0.001	32.015	TRUE	2.63E-07
Allergic asthma	TFEB	rs77392070	T	C	0.136	0.023	0.033	5.45E-09	0.060	0.032	0.062	0.001	34.019	TRUE	1.01E-06
Allergic asthma	TFEB	rs9462739	G	A	0.052	0.008	0.335	7.84E-10	0.033	0.015	0.026	0.001	37.798	TRUE	4.02E-07
Allergic asthma	TFRC	rs111647979	A	G	-0.394	0.052	0.012	2.60E-14	0.011	0.068	0.872	0.002	58.009	TRUE	9.63E-13
Allergic asthma	TFRC	rs115402043	G	A	-0.177	0.029	0.024	1.66E-09	0.083	0.050	0.094	0.001	36.339	TRUE	2.76E-07
Allergic asthma	TFRC	rs115451598	T	C	-0.499	0.056	0.015	3.37E-19	0.008	0.050	0.880	0.003	80.205	TRUE	4.39E-17
Allergic asthma	TFRC	rs11712192	A	G	0.097	0.012	0.207	7.11E-17	-0.010	0.016	0.548	0.002	69.637	TRUE	1.62E-14
Allergic asthma	TFRC	rs11924930	A	G	-0.078	0.009	0.326	5.41E-17	-0.027	0.015	0.069	0.002	70.176	TRUE	2.74E-13

Allergic asthma	TFRC	rs12630378	C	A	0.073	0.012	0.205	2.47E-09	0.008	0.016	0.615	0.001	35.560	TRUE	4.67E-08
Allergic asthma	TFRC	rs13092095	T	C	0.103	0.010	0.232	1.55E-23	-0.030	0.015	0.049	0.003	99.961	TRUE	1.57E-18
Allergic asthma	TFRC	rs13092821	C	T	-0.169	0.019	0.061	2.44E-19	-0.011	0.029	0.692	0.003	80.841	TRUE	6.56E-17
Allergic asthma	TFRC	rs1355533	T	C	0.070	0.009	0.500	4.03E-16	0.004	0.014	0.744	0.002	66.220	TRUE	3.65E-14
Allergic asthma	TFRC	rs140366275	A	G	0.104	0.018	0.078	1.17E-08	0.021	0.023	0.342	0.001	32.536	TRUE	3.95E-07
Allergic asthma	TFRC	rs146159581	C	T	-0.084	0.013	0.155	4.15E-10	-0.016	0.017	0.348	0.001	39.040	TRUE	2.29E-08
Allergic asthma	TFRC	rs150966305	T	C	-0.262	0.029	0.031	3.68E-20	0.160	0.049	0.001	0.003	84.580	TRUE	2.97E-14
Allergic asthma	TFRC	rs2278034	C	T	-0.053	0.009	0.508	8.06E-10	0.037	0.014	0.007	0.001	37.744	TRUE	8.93E-07
Allergic asthma	TFRC	rs28429906	G	A	-0.340	0.011	0.207	1.54E-227	0.045	0.019	0.018	0.032	1037.044	TRUE	8.94E-191
Allergic asthma	TFRC	rs28651009	T	C	0.122	0.010	0.356	1.33E-36	0.010	0.014	0.491	0.005	159.669	TRUE	1.38E-31
Allergic asthma	TFRC	rs34709234	A	C	0.094	0.011	0.249	4.14E-17	-0.009	0.014	0.544	0.002	70.704	TRUE	1.03E-14
Allergic asthma	TFRC	rs4078528	G	T	-0.104	0.015	0.094	4.94E-12	0.050	0.032	0.119	0.002	47.706	TRUE	1.90E-09
Allergic asthma	TFRC	rs60801726	A	G	0.147	0.023	0.040	7.84E-11	-0.034	0.044	0.436	0.001	42.294	TRUE	4.05E-09
Allergic asthma	TFRC	rs62409161	A	G	-0.360	0.020	0.049	2.62E-69	0.017	0.043	0.692	0.010	309.622	TRUE	7.62E-61
Allergic asthma	TFRC	rs6583290	G	A	0.106	0.017	0.074	3.40E-10	-0.065	0.026	0.014	0.001	39.428	TRUE	3.08E-07
Allergic asthma	TFRC	rs6772320	A	T	0.153	0.015	0.108	4.46E-24	0.019	0.019	0.301	0.003	102.428	TRUE	3.27E-20
Allergic asthma	TFRC	rs6782834	G	A	-0.089	0.009	0.315	2.92E-21	0.024	0.016	0.128	0.003	89.592	TRUE	3.43E-17
Allergic asthma	TFRC	rs6803107	A	G	-0.064	0.009	0.479	8.83E-12	-0.010	0.014	0.487	0.001	46.570	TRUE	5.22E-10
Allergic asthma	TFRC	rs6806773	A	G	0.057	0.010	0.224	4.85E-08	0.010	0.015	0.505	0.001	29.775	TRUE	8.18E-07
Allergic asthma	TFRC	rs73210053	A	G	-0.126	0.017	0.070	1.82E-13	0.038	0.025	0.128	0.002	54.187	TRUE	1.14E-10
Allergic asthma	TFRC	rs7374549	G	A	0.104	0.011	0.217	9.92E-23	-0.032	0.016	0.051	0.003	96.284	TRUE	6.92E-18
Allergic asthma	TFRC	rs7516	T	C	-0.088	0.014	0.110	5.90E-10	-0.004	0.023	0.849	0.001	38.351	TRUE	7.34E-09
Allergic asthma	TFRC	rs7616515	A	G	0.085	0.009	0.439	3.65E-22	-0.049	0.013	2.58E-04	0.003	93.708	TRUE	2.17E-15
Allergic asthma	TFRC	rs78530091	T	C	-0.111	0.010	0.228	2.92E-26	-0.008	0.016	0.623	0.004	112.396	TRUE	7.43E-23
Allergic asthma	TFRC	rs9814409	C	A	-0.222	0.012	0.146	2.02E-73	0.027	0.021	0.199	0.010	328.493	TRUE	2.59E-62
Allergic asthma	TFRC	rs9856595	G	A	-0.164	0.009	0.315	6.20E-68	0.026	0.015	0.077	0.009	303.313	TRUE	1.80E-56
Allergic asthma	TFRC	rs9859260	C	T	0.149	0.009	0.414	2.18E-63	-0.013	0.014	0.322	0.009	282.449	TRUE	2.62E-54
Allergic asthma	TFRC	rs9869170	G	A	-0.277	0.047	0.019	3.47E-09	-0.016	0.056	0.781	0.001	34.900	TRUE	4.13E-08
Allergic asthma	TFRC	rs9883951	A	G	-0.232	0.034	0.023	1.56E-11	-0.054	0.041	0.180	0.001	45.457	TRUE	3.18E-09
Allergic asthma	TIMP3	rs137487	G	A	-0.044	0.008	0.500	4.43E-08	-0.003	0.014	0.848	0.001	29.950	TRUE	3.34E-07
Allergic asthma	TIMP3	rs149957188	C	A	0.204	0.037	0.016	3.41E-08	0.032	0.061	0.595	0.001	30.460	TRUE	4.78E-07
Allergic asthma	TIMP3	rs929015	A	G	0.085	0.009	0.281	7.21E-22	0.046	0.015	0.002	0.003	92.358	TRUE	6.97E-16
Allergic asthma	TMBIM1	rs115504855	G	A	0.179	0.021	0.045	7.13E-17	-0.027	0.028	0.344	0.002	69.631	TRUE	3.91E-14
Allergic asthma	TMBIM1	rs115781203	G	A	-0.400	0.062	0.014	1.32E-10	0.005	0.052	0.919	0.001	41.278	TRUE	1.63E-09
Allergic asthma	TMBIM1	rs115989393	T	C	0.182	0.031	0.030	3.42E-09	0.003	0.034	0.942	0.001	34.926	TRUE	2.78E-08
Allergic asthma	TMBIM1	rs116831766	C	A	0.216	0.029	0.043	4.56E-14	0.005	0.026	0.850	0.002	56.908	TRUE	1.69E-12
Allergic asthma	TMBIM1	rs13062	A	C	-0.070	0.008	0.355	3.17E-17	0.003	0.014	0.860	0.002	71.229	TRUE	2.63E-15
Allergic asthma	TMBIM1	rs13386932	G	A	0.129	0.021	0.045	7.95E-10	-0.018	0.032	0.585	0.001	37.771	TRUE	1.90E-08
Allergic asthma	TMBIM1	rs3181212	A	G	0.083	0.012	0.131	2.49E-12	0.018	0.020	0.370	0.002	49.048	TRUE	2.70E-10
Allergic asthma	TMBIM1	rs62182794	G	A	-0.242	0.023	0.034	1.11E-26	0.034	0.047	0.475	0.004	114.308	TRUE	6.68E-23
Allergic asthma	TMBIM1	rs72947598	G	A	0.143	0.016	0.071	1.13E-18	-0.057	0.025	0.022	0.002	77.816	TRUE	3.65E-14
Allergic asthma	TMBIM1	rs72949328	A	G	-0.146	0.022	0.044	2.56E-11	0.075	0.060	0.216	0.001	44.486	TRUE	3.92E-09

Allergic asthma	TMBIM1	rs7423696	T	C	0.057	0.009	0.310	5.55E-11	-0.024	0.014	0.087	0.001	42.971	TRUE	1.87E-08
Allergic asthma	TMBIM1	rs74270394	A	G	-0.164	0.013	0.098	1.01E-34	-0.037	0.021	0.078	0.005	151.064	TRUE	3.29E-28
Allergic asthma	TMBIM1	rs7559416	G	A	-0.201	0.008	0.386	1.04E-135	0.031	0.015	0.037	0.019	614.715	TRUE	1.57E-113
Allergic asthma	TRAF5	rs111798493	G	A	-0.457	0.023	0.034	2.52E-87	0.061	0.030	0.044	0.012	392.349	TRUE	2.01E-72
Allergic asthma	TRAF5	rs114920483	G	A	0.173	0.023	0.032	1.84E-13	-0.100	0.057	0.081	0.002	54.169	TRUE	1.86E-10
Allergic asthma	TRAF5	rs12082508	T	G	-0.095	0.013	0.103	4.27E-13	0.003	0.021	0.898	0.002	52.513	TRUE	1.06E-11
Allergic asthma	TRAF5	rs12143280	C	T	-0.181	0.020	0.051	2.17E-20	0.041	0.026	0.112	0.003	85.628	TRUE	2.23E-16
Allergic asthma	TRAF5	rs1285978	C	T	0.063	0.010	0.206	1.92E-10	-0.022	0.017	0.200	0.001	40.544	TRUE	2.29E-08
Allergic asthma	TRAF5	rs142741690	C	G	0.198	0.022	0.036	5.43E-19	0.029	0.032	0.363	0.002	79.262	TRUE	5.39E-16
Allergic asthma	TRAF5	rs149463261	T	G	0.229	0.029	0.022	1.49E-15	-0.001	0.063	0.987	0.002	63.635	TRUE	5.32E-14
Allergic asthma	TRAF5	rs17017204	T	G	-0.112	0.013	0.099	2.87E-17	-0.012	0.026	0.633	0.002	71.428	TRUE	5.31E-15
Allergic asthma	TRAF5	rs3125835	T	A	0.073	0.012	0.138	2.53E-10	-0.058	0.020	0.004	0.001	40.003	TRUE	5.15E-07
Allergic asthma	TRAF5	rs4951523	T	G	0.165	0.008	0.386	4.92E-92	-0.028	0.014	0.048	0.013	413.985	TRUE	1.50E-76
Allergic asthma	TRAF5	rs55657443	T	A	-0.093	0.011	0.155	2.23E-17	-0.006	0.017	0.695	0.002	71.930	TRUE	3.41E-15
Allergic asthma	TRAF5	rs55960291	C	T	0.045	0.008	0.422	1.81E-08	-0.027	0.014	0.052	0.001	31.684	TRUE	2.97E-06
Allergic asthma	TRAF5	rs61827411	A	G	-0.109	0.018	0.054	5.80E-10	-0.007	0.033	0.841	0.001	38.386	TRUE	7.38E-09
Allergic asthma	TRAF5	rs75433649	A	G	-0.102	0.017	0.062	8.00E-10	0.038	0.030	0.209	0.001	37.759	TRUE	7.18E-08
Allergic asthma	TRAF5	rs755448	A	G	0.138	0.012	0.116	8.86E-29	-0.059	0.029	0.046	0.004	123.891	TRUE	7.18E-23
Allergic asthma	TRAF5	rs80085912	T	C	-0.153	0.023	0.036	1.35E-11	-0.004	0.028	0.881	0.001	45.738	TRUE	2.38E-10
Allergic asthma	TRIM13	rs2490639	C	G	0.158	0.016	0.070	6.38E-24	0.026	0.028	0.360	0.003	101.717	TRUE	3.09E-20
Allergic asthma	TRIM13	rs55937551	A	C	0.298	0.054	0.012	3.21E-08	-0.066	0.058	0.255	0.001	30.572	TRUE	1.27E-06
Allergic asthma	TRIM13	rs73194483	C	A	-0.114	0.014	0.089	3.99E-16	-0.003	0.022	0.879	0.002	66.236	TRUE	2.32E-14
Allergic asthma	TRIM13	rs74433357	A	G	-0.198	0.012	0.160	1.68E-61	-0.037	0.017	0.028	0.009	273.794	TRUE	4.59E-50
Allergic asthma	TRIM27	rs112470363	C	A	0.097	0.017	0.060	9.72E-09	0.028	0.034	0.402	0.001	32.895	TRUE	2.78E-07
Allergic asthma	TRIM27	rs114088589	T	C	0.076	0.011	0.176	1.25E-11	0.079	0.020	7.53E-05	0.001	45.882	TRUE	3.59E-07
Allergic asthma	TRIM27	rs114464272	G	A	0.399	0.028	0.026	2.01E-46	-0.094	0.065	0.149	0.006	204.643	TRUE	9.84E-39
Allergic asthma	TRIM27	rs114469207	G	A	0.402	0.015	0.077	1.84E-156	0.057	0.028	0.044	0.022	710.116	TRUE	1.66E-131
Allergic asthma	TRIM27	rs114681144	A	C	-0.361	0.032	0.021	3.43E-29	0.030	0.048	0.536	0.004	125.773	TRUE	3.14E-25
Allergic asthma	TRIM27	rs114796104	T	G	-0.244	0.027	0.032	5.63E-19	-0.058	0.036	0.105	0.002	79.191	TRUE	3.70E-15
Allergic asthma	TRIM27	rs115014630	G	T	-0.201	0.019	0.063	2.76E-27	-0.024	0.031	0.439	0.004	117.073	TRUE	2.42E-23
Allergic asthma	TRIM27	rs1150674	G	A	0.229	0.018	0.053	2.60E-37	0.032	0.029	0.262	0.005	162.914	TRUE	1.79E-31
Allergic asthma	TRIM27	rs1150714	C	T	0.340	0.012	0.120	7.06E-175	0.050	0.026	0.054	0.024	794.812	TRUE	1.34E-147
Allergic asthma	TRIM27	rs115335890	T	C	0.403	0.025	0.035	4.35E-60	0.053	0.037	0.146	0.008	267.305	TRUE	1.95E-50
Allergic asthma	TRIM27	rs116067122	G	A	-0.135	0.020	0.050	2.35E-11	-0.063	0.018	4.83E-04	0.001	44.652	TRUE	2.50E-07
Allergic asthma	TRIM27	rs12215841	A	G	-0.242	0.029	0.026	4.40E-17	0.011	0.042	0.800	0.002	70.583	TRUE	4.31E-15
Allergic asthma	TRIM27	rs13437444	T	C	-0.101	0.010	0.174	4.46E-22	0.028	0.019	0.140	0.003	93.309	TRUE	6.15E-18
Allergic asthma	TRIM27	rs140090646	T	C	0.247	0.025	0.073	1.46E-22	-0.309	0.138	0.025	0.003	95.517	TRUE	2.13E-17
Allergic asthma	TRIM27	rs142877486	T	C	-0.250	0.025	0.034	6.36E-24	0.017	0.035	0.624	0.003	101.725	TRUE	8.29E-21
Allergic asthma	TRIM27	rs144985684	G	A	0.482	0.061	0.041	3.19E-15	-0.013	0.029	0.648	0.002	62.141	TRUE	3.11E-13
Allergic asthma	TRIM27	rs148422179	A	G	0.254	0.032	0.021	3.22E-15	-0.070	0.137	0.606	0.002	62.122	TRUE	3.62E-13
Allergic asthma	TRIM27	rs150564843	T	C	-0.162	0.024	0.036	3.58E-11	-0.031	0.055	0.579	0.001	43.830	TRUE	1.31E-09
Allergic asthma	TRIM27	rs151162671	G	C	0.493	0.009	0.217	0.00E+00	0.009	0.016	0.567	0.079	2713.766	TRUE	0.00E+00

Allergic asthma	TRIM27	rs1632958	A	G	-0.141	0.011	0.168	3.79E-36	-0.047	0.015	0.002	0.005	157.588	TRUE	2.77E-27
Allergic asthma	TRIM27	rs17709145	G	T	-0.154	0.020	0.044	6.14E-15	-0.018	0.037	0.626	0.002	60.852	TRUE	5.92E-13
Allergic asthma	TRIM27	rs186638056	A	G	0.301	0.042	0.018	5.95E-13	-0.204	0.227	0.368	0.002	51.860	TRUE	8.01E-11
Allergic asthma	TRIM27	rs188445914	A	G	0.328	0.029	0.027	6.94E-29	0.209	0.085	0.013	0.004	124.377	TRUE	2.85E-22
Allergic asthma	TRIM27	rs213231	T	G	0.329	0.016	0.067	2.06E-97	0.009	0.030	0.770	0.014	438.692	TRUE	8.01E-86
Allergic asthma	TRIM27	rs2531830	T	C	-0.160	0.025	0.031	2.13E-10	0.057	0.047	0.227	0.001	40.343	TRUE	2.17E-08
Allergic asthma	TRIM27	rs62401437	A	G	-0.118	0.009	0.284	9.46E-37	0.012	0.015	0.418	0.005	160.346	TRUE	1.64E-31
Allergic asthma	TRIM27	rs62401458	A	G	0.401	0.025	0.030	1.02E-56	0.074	0.043	0.083	0.008	251.841	TRUE	5.76E-47
Allergic asthma	TRIM27	rs62401459	T	C	-0.304	0.034	0.023	6.57E-19	-0.006	0.036	0.868	0.002	78.885	TRUE	8.28E-17
Allergic asthma	TRIM27	rs74453280	A	C	0.297	0.038	0.015	3.28E-15	0.001	0.082	0.986	0.002	62.088	TRUE	1.07E-13
Allergic asthma	TRIM27	rs9257829	A	G	-0.079	0.008	0.426	2.02E-21	-0.009	0.014	0.525	0.003	90.320	TRUE	1.97E-18
Allergic asthma	TRIM27	rs9257936	T	C	-0.132	0.013	0.115	8.90E-26	-0.004	0.024	0.868	0.003	110.185	TRUE	6.84E-23
Allergic asthma	TRIM39	rs150506826	T	G	0.245	0.045	0.025	4.71E-08	0.205	0.080	0.011	0.001	29.829	TRUE	1.60E-05
Allergic asthma	TRIM8	rs111496314	A	G	0.213	0.032	0.017	2.29E-11	-0.083	0.058	0.156	0.001	44.702	TRUE	5.12E-09
Allergic asthma	TRIM8	rs111604275	T	C	0.163	0.021	0.048	4.59E-15	-0.017	0.039	0.656	0.002	61.424	TRUE	4.15E-13
Allergic asthma	TRIM8	rs11191296	C	G	-0.140	0.012	0.120	1.98E-29	0.087	0.023	1.27E-04	0.004	126.859	TRUE	7.65E-21
Allergic asthma	TRIM8	rs11593244	C	T	-0.057	0.009	0.334	3.07E-11	0.000	0.014	0.975	0.001	44.129	TRUE	3.84E-10
Allergic asthma	TRIM8	rs11595170	T	C	-0.236	0.008	0.441	2.13E-191	0.052	0.014	1.31E-04	0.027	870.796	TRUE	1.90E-154
Allergic asthma	TRIM8	rs117169851	A	G	-0.146	0.023	0.031	4.23E-10	0.004	0.041	0.923	0.001	39.002	TRUE	4.54E-09
Allergic asthma	TRIM8	rs117793008	G	A	-0.121	0.017	0.057	4.18E-12	0.033	0.036	0.364	0.002	48.033	TRUE	4.31E-10
Allergic asthma	TRIM8	rs12572855	T	C	0.240	0.033	0.019	2.56E-13	-0.053	0.066	0.423	0.002	53.517	TRUE	3.12E-11
Allergic asthma	TRIM8	rs12765060	A	G	0.184	0.032	0.021	8.56E-09	-0.023	0.047	0.624	0.001	33.141	TRUE	1.34E-07
Allergic asthma	TRIM8	rs139834723	A	G	-0.200	0.028	0.027	5.96E-13	0.141	0.058	0.015	0.002	51.857	TRUE	1.99E-09
Allergic asthma	TRIM8	rs140353411	T	C	-0.160	0.025	0.029	1.71E-10	0.039	0.037	0.282	0.001	40.771	TRUE	1.41E-08
Allergic asthma	TRIM8	rs150201993	A	G	-0.190	0.033	0.020	6.66E-09	-0.045	0.046	0.329	0.001	33.631	TRUE	2.57E-07
Allergic asthma	TRIM8	rs1572530	A	G	-0.062	0.010	0.229	9.71E-11	0.042	0.016	0.009	0.001	41.876	TRUE	1.51E-07
Allergic asthma	TRIM8	rs3014187	A	G	-0.071	0.010	0.213	5.51E-13	0.017	0.019	0.385	0.002	52.010	TRUE	6.99E-11
Allergic asthma	TRIM8	rs35756290	A	G	0.144	0.009	0.285	2.96E-59	-0.029	0.015	0.056	0.008	263.486	TRUE	9.46E-49
Allergic asthma	TRIM8	rs4917389	T	C	0.118	0.012	0.143	1.14E-24	0.002	0.022	0.938	0.003	105.138	TRUE	4.91E-22
Allergic asthma	TRIM8	rs55932369	T	C	-0.170	0.021	0.049	3.29E-16	0.020	0.021	0.320	0.002	66.617	TRUE	1.63E-13
Allergic asthma	TRIM8	rs55994728	T	A	-0.099	0.010	0.202	1.48E-22	0.018	0.016	0.238	0.003	95.494	TRUE	1.02E-18
Allergic asthma	TRIM8	rs7086205	C	T	0.102	0.011	0.150	1.15E-19	-0.021	0.017	0.216	0.003	82.321	TRUE	3.49E-16
Allergic asthma	TRIM8	rs75779120	A	G	0.130	0.017	0.059	3.28E-14	-0.041	0.028	0.146	0.002	57.556	TRUE	2.35E-11
Allergic asthma	TRIM8	rs76698826	G	A	0.131	0.022	0.034	4.66E-09	-0.033	0.032	0.301	0.001	34.324	TRUE	2.11E-07
Allergic asthma	TRIM8	rs78837000	T	C	0.171	0.028	0.027	1.00E-09	-0.101	0.042	0.016	0.001	37.315	TRUE	6.52E-07
Allergic asthma	TYROBP	rs141921016	G	A	-0.141	0.018	0.059	1.48E-14	0.035	0.022	0.113	0.002	59.123	TRUE	1.64E-11
Allergic asthma	TYROBP	rs144624096	G	A	-0.262	0.043	0.015	1.64E-09	-0.045	0.071	0.526	0.001	36.359	TRUE	4.18E-08
Allergic asthma	TYROBP	rs35854130	T	G	-0.071	0.011	0.212	2.58E-11	0.017	0.016	0.289	0.001	44.473	TRUE	2.76E-09
Allergic asthma	TYROBP	rs4806227	A	G	-0.394	0.021	0.041	2.79E-77	0.072	0.031	0.021	0.011	346.222	TRUE	3.67E-63
Allergic asthma	TYROBP	rs62109701	A	G	-0.060	0.009	0.250	1.75E-10	0.011	0.014	0.428	0.001	40.722	TRUE	8.29E-09
Allergic asthma	UNC13D	rs113062332	A	G	-0.151	0.024	0.032	1.40E-10	0.055	0.041	0.188	0.001	41.160	TRUE	1.89E-08
Allergic asthma	UNC13D	rs146775727	T	C	-0.199	0.036	0.018	3.69E-08	0.138	0.071	0.051	0.001	30.305	TRUE	5.24E-06

Allergic asthma	UNC13D	rs147677775	A	G	-0.253	0.025	0.027	2.18E-24	-0.010	0.065	0.878	0.003	103.842	TRUE	1.12E-21
Allergic asthma	UNC13D	rs2244377	A	G	-0.090	0.009	0.317	4.87E-26	-0.024	0.015	0.121	0.004	111.380	TRUE	3.46E-21
Allergic asthma	UNC13D	rs2290769	C	G	-0.244	0.010	0.200	4.28E-135	0.046	0.018	0.010	0.019	611.883	TRUE	1.99E-111
Allergic asthma	UNC13D	rs2305347	T	C	-0.063	0.011	0.166	6.07E-09	-0.026	0.017	0.132	0.001	33.810	TRUE	5.94E-07
Allergic asthma	UNC13D	rs2444842	A	G	-0.079	0.012	0.183	3.46E-11	0.035	0.018	0.053	0.001	43.893	TRUE	1.95E-08
Allergic asthma	UNC13D	rs55853884	T	C	0.117	0.021	0.042	2.60E-08	-0.050	0.038	0.191	0.001	30.983	TRUE	1.41E-06
Allergic asthma	UNC13D	rs9915313	T	G	-0.071	0.011	0.259	1.56E-10	-0.001	0.015	0.957	0.001	40.947	TRUE	1.72E-09
Allergic asthma	UNC13D	rs9916685	A	G	0.258	0.019	0.050	6.54E-41	-0.038	0.035	0.286	0.006	179.394	TRUE	1.13E-34
Allergic asthma	VPS33A	rs151296925	T	C	0.082	0.013	0.111	1.08E-10	-0.047	0.019	0.016	0.001	41.662	TRUE	1.17E-07
Allergic asthma	VPS33A	rs61954363	A	G	0.168	0.016	0.063	2.35E-24	-0.087	0.039	0.026	0.003	103.699	TRUE	7.11E-19
Allergic asthma	VPS4A	rs11075714	G	A	0.097	0.009	0.298	1.68E-28	0.032	0.015	0.038	0.004	122.626	TRUE	1.57E-22
Allergic asthma	VPS4A	rs111625081	A	G	0.128	0.023	0.033	3.55E-08	0.016	0.043	0.712	0.001	30.380	TRUE	3.75E-07
Allergic asthma	VPS4A	rs153051	T	A	-0.046	0.008	0.411	9.27E-09	0.006	0.014	0.670	0.001	32.987	TRUE	1.28E-07
Allergic asthma	WDR6	rs11130214	G	C	-0.320	0.008	0.302	0.00E+00	0.033	0.016	0.036	0.043	1426.470	TRUE	6.26E-264
Allergic asthma	WDR6	rs111796096	A	G	-0.267	0.032	0.022	1.55E-16	-0.028	0.077	0.716	0.002	68.104	TRUE	1.73E-14
Allergic asthma	WDR6	rs113465792	A	G	-0.310	0.031	0.021	1.01E-23	-0.011	0.030	0.727	0.003	100.811	TRUE	8.00E-21
Allergic asthma	WDR6	rs113592495	G	T	-0.318	0.014	0.136	9.61E-121	0.010	0.019	0.592	0.017	545.912	TRUE	1.49E-105
Allergic asthma	WDR6	rs114508808	A	G	-0.290	0.040	0.016	4.57E-13	0.060	0.057	0.295	0.002	52.380	TRUE	8.80E-11
Allergic asthma	WDR6	rs114852929	A	G	-0.350	0.044	0.014	3.23E-15	-0.058	0.081	0.477	0.002	62.116	TRUE	5.83E-13
Allergic asthma	WDR6	rs114976310	G	A	-0.191	0.034	0.020	1.44E-08	0.140	0.068	0.038	0.001	32.126	TRUE	3.05E-06
Allergic asthma	WDR6	rs115259458	A	G	-0.251	0.031	0.025	4.78E-16	0.002	0.045	0.957	0.002	65.881	TRUE	2.13E-14
Allergic asthma	WDR6	rs115466756	T	C	-0.386	0.063	0.014	7.18E-10	0.140	0.136	0.303	0.001	37.968	TRUE	4.32E-08
Allergic asthma	WDR6	rs116626829	C	T	-0.326	0.024	0.032	1.62E-40	0.089	0.045	0.046	0.006	177.592	TRUE	1.02E-32
Allergic asthma	WDR6	rs116656374	T	G	-0.305	0.024	0.035	3.89E-38	-0.074	0.056	0.183	0.005	166.688	TRUE	7.90E-32
Allergic asthma	WDR6	rs11720680	G	A	0.176	0.017	0.061	7.21E-26	-0.013	0.033	0.701	0.003	110.600	TRUE	1.16E-22
Allergic asthma	WDR6	rs11918669	C	A	-0.306	0.044	0.021	2.47E-12	0.070	0.058	0.228	0.002	49.064	TRUE	5.14E-10
Allergic asthma	WDR6	rs1264191	T	C	0.403	0.010	0.188	0.00E+00	-0.018	0.017	0.297	0.047	1566.439	TRUE	3.15E-295
Allergic asthma	WDR6	rs13090990	T	C	-0.309	0.027	0.024	1.51E-30	0.032	0.038	0.399	0.004	131.970	TRUE	4.54E-26
Allergic asthma	WDR6	rs139755042	T	C	-0.332	0.053	0.019	3.41E-10	0.061	0.044	0.166	0.001	39.423	TRUE	4.50E-08
Allergic asthma	WDR6	rs143643909	T	C	0.784	0.044	0.017	6.94E-70	-0.053	0.030	0.074	0.010	312.265	TRUE	4.21E-58
Allergic asthma	WDR6	rs145342511	T	G	0.353	0.043	0.015	3.85E-16	-0.102	0.062	0.097	0.002	66.307	TRUE	9.41E-13
Allergic asthma	WDR6	rs147052086	A	G	-0.249	0.045	0.015	2.96E-08	-0.001	0.064	0.986	0.001	30.734	TRUE	1.72E-07
Allergic asthma	WDR6	rs147707204	T	C	-0.271	0.033	0.022	2.25E-16	-0.070	0.038	0.066	0.002	67.367	TRUE	9.31E-13
Allergic asthma	WDR6	rs148834251	C	T	-0.281	0.030	0.022	3.55E-21	0.022	0.034	0.516	0.003	89.206	TRUE	3.35E-18
Allergic asthma	WDR6	rs149908616	T	G	-0.262	0.032	0.022	3.51E-16	-0.006	0.052	0.903	0.002	66.490	TRUE	1.92E-14
Allergic asthma	WDR6	rs149957351	T	C	0.429	0.040	0.017	4.47E-27	-0.067	0.070	0.338	0.004	116.115	TRUE	6.75E-23
Allergic asthma	WDR6	rs150168772	T	G	-0.331	0.027	0.026	1.18E-33	0.065	0.025	0.009	0.005	146.183	TRUE	5.24E-26
Allergic asthma	WDR6	rs182679612	A	G	-0.218	0.040	0.016	4.43E-08	-0.029	0.071	0.678	0.001	29.947	TRUE	4.93E-07
Allergic asthma	WDR6	rs184199456	A	G	0.401	0.035	0.020	1.26E-30	0.007	0.041	0.861	0.004	132.329	TRUE	3.60E-27
Allergic asthma	WDR6	rs1961527	G	A	-0.321	0.010	0.204	3.29E-217	0.006	0.018	0.728	0.030	989.533	TRUE	2.09E-190
Allergic asthma	WDR6	rs62262671	G	A	0.318	0.011	0.136	1.40E-168	-0.014	0.024	0.556	0.024	765.851	TRUE	4.07E-147
Allergic asthma	WDR6	rs6442124	G	A	-0.059	0.008	0.460	1.33E-13	-0.026	0.014	0.061	0.002	54.804	TRUE	1.90E-10

Allergic asthma	WDR6	rs6804828	G	A	-0.226	0.008	0.368	1.90E-168	-0.016	0.014	0.279	0.024	765.239	TRUE	3.55E-145
Allergic asthma	WDR6	rs73074869	A	G	0.686	0.042	0.015	3.33E-60	-0.177	0.086	0.039	0.008	267.835	TRUE	3.04E-49
Allergic asthma	WDR6	rs73080339	G	A	-0.280	0.018	0.064	5.58E-55	-0.029	0.023	0.212	0.008	243.874	TRUE	1.79E-46
Allergic asthma	WDR6	rs7611164	G	T	-0.323	0.022	0.042	1.01E-50	0.052	0.030	0.081	0.007	224.344	TRUE	7.99E-42
Allergic asthma	WDR6	rs7631574	T	C	0.470	0.012	0.112	0.00E+00	-0.045	0.020	0.026	0.044	1461.303	TRUE	1.11E-269
Allergic asthma	WDR6	rs77382486	A	G	-0.283	0.025	0.031	6.69E-30	0.007	0.042	0.863	0.004	129.019	TRUE	1.57E-26
Allergic asthma	WDR6	rs77860278	G	A	0.534	0.039	0.016	1.41E-43	-0.090	0.114	0.427	0.006	191.612	TRUE	1.76E-37
Allergic asthma	WDR6	rs9875911	T	C	0.305	0.028	0.022	6.02E-28	0.042	0.101	0.681	0.004	120.092	TRUE	1.89E-24
Allergic asthma	WDR6	rs9917656	C	T	-0.295	0.009	0.271	5.85E-241	0.031	0.014	0.027	0.034	1098.787	TRUE	7.87E-203
Allergic asthma	YWHAB	rs11700134	A	G	0.060	0.010	0.255	1.48E-09	-0.023	0.015	0.126	0.001	36.564	TRUE	1.95E-07
Allergic asthma	YWHAB	rs117690200	A	C	0.166	0.030	0.023	4.07E-08	-0.059	0.049	0.224	0.001	30.116	TRUE	1.75E-06
Allergic asthma	YWHAB	rs2239535	A	G	0.126	0.009	0.244	4.03E-42	-0.038	0.017	0.023	0.006	184.937	TRUE	1.40E-33
Allergic asthma	YWHAB	rs73123579	A	C	0.255	0.028	0.025	7.31E-20	-0.064	0.038	0.090	0.003	83.224	TRUE	8.19E-16
Allergic asthma	YWHAB	rs76643272	C	A	0.417	0.047	0.015	1.55E-18	0.003	0.078	0.974	0.002	77.189	TRUE	1.22E-16
Allergic asthma	ZKSCAN3	rs116860142	A	G	0.158	0.027	0.026	7.96E-09	0.015	0.047	0.755	0.001	33.284	TRUE	9.13E-08
Allergic asthma	ZKSCAN3	rs11966042	G	A	-0.545	0.041	0.016	1.22E-40	-0.109	0.120	0.365	0.006	178.158	TRUE	1.01E-34
Allergic asthma	ZKSCAN3	rs144600472	T	C	0.205	0.032	0.021	1.46E-10	-0.003	0.048	0.944	0.001	41.085	TRUE	1.67E-09
Allergic asthma	ZKSCAN3	rs150027890	A	G	0.292	0.023	0.041	2.51E-36	0.079	0.038	0.035	0.005	158.408	TRUE	5.26E-29
Allergic asthma	ZKSCAN3	rs213230	G	A	0.264	0.010	0.231	3.06E-148	0.061	0.019	0.001	0.021	672.317	TRUE	2.55E-120
Allergic asthma	ZKSCAN3	rs2294309	G	T	-0.066	0.009	0.381	1.79E-13	-0.009	0.014	0.494	0.002	54.222	TRUE	1.76E-11
Allergic asthma	ZKSCAN3	rs2859370	T	C	-0.227	0.015	0.089	9.51E-51	-0.005	0.023	0.828	0.007	224.468	TRUE	6.97E-45
Allergic asthma	ZKSCAN3	rs45530534	T	C	-0.258	0.044	0.017	3.34E-09	-0.060	0.118	0.611	0.001	34.973	TRUE	6.13E-08
Allergic asthma	ZKSCAN3	rs62401437	A	G	-0.065	0.010	0.284	2.21E-10	0.012	0.015	0.418	0.001	40.266	TRUE	1.05E-08
Allergic asthma	ZKSCAN3	rs9366714	C	T	0.201	0.026	0.031	3.62E-14	0.078	0.034	0.024	0.002	57.362	TRUE	1.50E-10
Allergic asthma	ZNF205	rs1076572	A	G	0.115	0.010	0.280	5.94E-32	0.011	0.015	0.458	0.004	138.397	TRUE	1.90E-27
Allergic asthma	ZNF205	rs116976733	A	C	0.364	0.056	0.013	8.15E-11	-0.001	0.125	0.994	0.001	42.219	TRUE	8.74E-10
Allergic asthma	ZNF205	rs117036916	T	C	0.125	0.017	0.064	8.64E-13	-0.038	0.028	0.175	0.002	51.128	TRUE	2.93E-10
Allergic asthma	ZNF205	rs117246020	A	G	-0.167	0.025	0.031	2.23E-11	-0.032	0.058	0.580	0.001	44.756	TRUE	8.65E-10
Allergic asthma	ZNF205	rs117327142	A	C	-0.239	0.039	0.017	1.38E-09	0.096	0.037	0.009	0.001	36.690	TRUE	1.18E-06
Allergic asthma	ZNF205	rs118164962	C	T	0.338	0.041	0.016	1.01E-16	0.035	0.035	0.326	0.002	68.945	TRUE	5.79E-14
Allergic asthma	ZNF205	rs138144869	T	C	0.389	0.031	0.021	2.32E-35	-0.020	0.085	0.816	0.005	153.988	TRUE	2.91E-31
Allergic asthma	ZNF205	rs140440682	G	T	-0.202	0.035	0.018	4.95E-09	0.010	0.066	0.880	0.001	34.206	TRUE	4.47E-08
Allergic asthma	ZNF205	rs143093927	C	G	0.306	0.042	0.017	1.75E-13	0.052	0.048	0.276	0.002	54.260	TRUE	4.28E-11
Allergic asthma	ZNF205	rs146268299	G	A	0.309	0.030	0.024	2.04E-25	0.114	0.054	0.036	0.003	108.540	TRUE	6.32E-20
Allergic asthma	ZNF205	rs146916510	A	G	0.278	0.043	0.022	1.19E-10	0.064	0.034	0.060	0.001	41.484	TRUE	4.76E-08
Allergic asthma	ZNF205	rs148381040	T	C	-0.203	0.031	0.022	4.98E-11	-0.056	0.037	0.126	0.001	43.180	TRUE	1.21E-08
Allergic asthma	ZNF205	rs148639802	T	C	0.267	0.032	0.023	8.08E-17	-0.006	0.087	0.949	0.002	69.384	TRUE	4.49E-15
Allergic asthma	ZNF205	rs151256760	T	G	0.304	0.048	0.023	2.22E-10	0.016	0.029	0.577	0.001	40.262	TRUE	6.40E-09
Allergic asthma	ZNF205	rs2015174	A	G	0.370	0.052	0.018	1.13E-12	-0.130	0.092	0.159	0.002	50.603	TRUE	4.10E-10
Allergic asthma	ZNF205	rs2037984	C	T	-0.174	0.014	0.082	2.76E-33	0.010	0.025	0.704	0.005	144.497	TRUE	3.42E-29
Allergic asthma	ZNF205	rs2238399	A	G	0.079	0.008	0.473	9.57E-23	-0.003	0.014	0.848	0.003	96.356	TRUE	3.58E-20
Allergic asthma	ZNF205	rs2239303	G	A	0.096	0.009	0.358	7.23E-27	0.010	0.014	0.484	0.004	115.160	TRUE	4.37E-23

Allergic asthma	ZNF205	rs224198	T	C	0.265	0.018	0.061	4.04E-48	-0.029	0.027	0.277	0.007	212.423	TRUE	7.23E-41
Allergic asthma	ZNF205	rs2269911	A	G	0.079	0.011	0.220	1.57E-12	-0.002	0.015	0.875	0.002	49.953	TRUE	3.60E-11
Allergic asthma	ZNF205	rs35594155	T	C	-0.183	0.017	0.071	5.78E-26	-0.034	0.025	0.180	0.003	111.037	TRUE	2.08E-21
Allergic asthma	ZNF205	rs366494	G	A	-0.197	0.009	0.237	2.03E-99	-0.014	0.017	0.429	0.014	447.904	TRUE	3.60E-86
Allergic asthma	ZNF205	rs37844	A	G	-0.102	0.009	0.509	6.17E-33	-0.003	0.014	0.815	0.004	142.893	TRUE	4.05E-29
Allergic asthma	ZNF205	rs434508	C	A	-0.191	0.008	0.415	8.72E-120	0.000	0.014	0.985	0.017	541.502	TRUE	2.49E-106
Allergic asthma	ZNF205	rs4785926	G	A	-0.310	0.008	0.487	0.00E+00	-0.044	0.014	0.001	0.047	1548.092	TRUE	1.13E-280
Allergic asthma	ZNF205	rs59549212	T	C	-0.069	0.010	0.286	2.06E-12	-0.012	0.015	0.427	0.002	49.420	TRUE	1.84E-10
Allergic asthma	ZNF205	rs72772568	G	A	-0.170	0.017	0.074	9.26E-24	-0.035	0.023	0.129	0.003	100.979	TRUE	2.66E-19
Allergic asthma	ZNF205	rs76749769	T	C	-0.160	0.015	0.081	7.86E-28	-0.052	0.027	0.055	0.004	119.563	TRUE	3.49E-22
Non-allergic asthma	ATM	rs2640787	G	A	-0.065	0.010	0.176	5.26E-10	0.036	0.019	0.065	0.001	38.574	TRUE	1.75E-07
Non-allergic asthma	ATM	rs79866170	A	G	-0.374	0.041	0.018	4.85E-20	0.102	0.038	0.007	0.003	84.036	TRUE	1.12E-14
Non-allergic asthma	ATP2A1	rs4788101	T	C	0.090	0.008	0.385	3.74E-28	0.033	0.016	0.037	0.004	121.037	TRUE	5.04E-22
Non-allergic asthma	ATP2A1	rs74974765	A	G	0.136	0.024	0.055	1.31E-08	0.022	0.037	0.549	0.001	32.317	TRUE	2.61E-07
Non-allergic asthma	ATP6V1C2	rs1734443	C	T	0.083	0.009	0.484	3.89E-21	-0.036	0.016	0.024	0.003	89.025	TRUE	4.76E-16
Non-allergic asthma	ATP6V1C2	rs4668695	C	T	-0.058	0.009	0.390	8.52E-11	0.032	0.016	0.046	0.001	42.133	TRUE	5.35E-08
Non-allergic asthma	BCL2L11	rs113135335	G	T	0.165	0.013	0.109	3.04E-38	0.095	0.025	1.49E-04	0.005	167.180	TRUE	1.36E-27
Non-allergic asthma	BCL2L11	rs6734942	T	C	-0.086	0.008	0.367	1.24E-25	-0.017	0.016	0.297	0.003	109.526	TRUE	2.17E-21
Non-allergic asthma	CAAP1	rs1961967	A	G	0.074	0.012	0.184	1.17E-10	0.004	0.018	0.841	0.001	41.517	TRUE	2.00E-09
Non-allergic asthma	CAAP1	rs604409	T	C	-0.074	0.009	0.420	5.21E-16	-0.049	0.016	0.002	0.002	65.713	TRUE	3.98E-11
Non-allergic asthma	CAAP1	rs74705139	T	C	-0.131	0.022	0.051	3.54E-09	-0.056	0.037	0.129	0.001	34.862	TRUE	4.49E-07
Non-allergic asthma	CAPN1	rs10896018	A	G	-0.057	0.009	0.272	1.37E-10	-0.054	0.018	0.003	0.001	41.209	TRUE	4.77E-07
Non-allergic asthma	CAPN1	rs11227408	G	A	0.139	0.020	0.053	1.27E-12	0.031	0.035	0.368	0.002	50.370	TRUE	1.81E-10
Non-allergic asthma	CAPN1	rs11231903	T	C	0.072	0.010	0.309	2.03E-13	-0.052	0.018	0.003	0.002	53.975	TRUE	3.04E-09
Non-allergic asthma	CAPN1	rs11601539	C	A	0.328	0.021	0.045	2.05E-54	-0.001	0.047	0.991	0.008	241.284	TRUE	2.70E-48
Non-allergic asthma	CAPN1	rs117048232	C	T	-0.360	0.019	0.062	2.23E-82	-0.015	0.033	0.648	0.012	369.630	TRUE	9.40E-72
Non-allergic asthma	CAPN1	rs117205714	T	C	-0.082	0.014	0.093	1.03E-08	0.006	0.025	0.809	0.001	32.776	TRUE	1.11E-07
Non-allergic asthma	CAPN1	rs117745461	T	C	0.381	0.030	0.023	2.07E-37	0.060	0.050	0.227	0.005	163.364	TRUE	3.38E-31
Non-allergic asthma	CAPN1	rs1195969	C	T	0.367	0.008	0.465	0.00E+00	-0.020	0.016	0.214	0.058	1933.640	TRUE	0.00E+00
Non-allergic asthma	CAPN1	rs138924467	T	C	-0.155	0.017	0.059	3.02E-20	0.019	0.038	0.615	0.003	84.970	TRUE	1.81E-17
Non-allergic asthma	CAPN1	rs139740204	A	C	-0.255	0.027	0.023	1.10E-20	0.075	0.048	0.115	0.003	86.973	TRUE	1.64E-16
Non-allergic asthma	CAPN1	rs144104397	T	C	-0.387	0.042	0.021	1.59E-20	0.079	0.038	0.039	0.003	86.235	TRUE	8.63E-16
Non-allergic asthma	CAPN1	rs149072967	G	A	0.271	0.024	0.038	1.38E-30	-0.029	0.040	0.474	0.004	132.150	TRUE	3.91E-26
Non-allergic asthma	CAPN1	rs150195457	A	G	-0.299	0.045	0.018	2.64E-11	-0.086	0.078	0.271	0.001	44.427	TRUE	3.57E-09
Non-allergic asthma	CAPN1	rs17307346	C	A	0.070	0.012	0.135	1.22E-08	-0.023	0.020	0.251	0.001	32.458	TRUE	6.49E-07
Non-allergic asthma	CAPN1	rs1784862	A	G	-0.150	0.020	0.050	3.66E-14	0.071	0.026	0.006	0.002	57.341	TRUE	5.87E-10
Non-allergic asthma	CAPN1	rs182850432	G	A	-0.217	0.037	0.030	3.35E-09	0.037	0.033	0.253	0.001	34.968	TRUE	2.20E-07
Non-allergic asthma	CAPN1	rs2508712	G	C	-0.092	0.009	0.309	1.51E-26	0.007	0.020	0.719	0.004	113.701	TRUE	3.68E-23
Non-allergic asthma	CAPN1	rs2904978	C	T	-0.199	0.010	0.207	1.55E-92	0.026	0.018	0.142	0.013	416.279	TRUE	8.15E-78
Non-allergic asthma	CAPN1	rs2957154	C	T	0.060	0.010	0.278	4.21E-10	0.006	0.017	0.700	0.001	39.010	TRUE	8.95E-09
Non-allergic asthma	CAPN1	rs3759046	G	A	0.092	0.010	0.281	2.87E-19	-0.016	0.016	0.313	0.003	80.521	TRUE	5.26E-16
Non-allergic asthma	CAPN1	rs4149818	T	C	0.336	0.018	0.054	7.91E-78	-0.021	0.025	0.407	0.011	348.733	TRUE	7.77E-67

Non-allergic asthma	CAPN1	rs4930692	A	G	0.133	0.016	0.078	1.25E-17	-0.017	0.029	0.569	0.002	73.061	TRUE	4.07E-15
Non-allergic asthma	CAPN1	rs566189	C	T	-0.282	0.013	0.108	7.26E-108	0.053	0.023	0.019	0.015	486.719	TRUE	2.36E-88
Non-allergic asthma	CAPN1	rs61895450	G	T	0.259	0.021	0.046	2.58E-34	-0.084	0.032	0.009	0.005	149.197	TRUE	2.80E-26
Non-allergic asthma	CAPN1	rs625652	T	A	0.048	0.008	0.324	1.71E-08	0.007	0.017	0.703	0.001	31.794	TRUE	2.22E-07
Non-allergic asthma	CAPN1	rs67232843	T	C	0.144	0.013	0.120	6.05E-29	-0.011	0.030	0.719	0.004	124.650	TRUE	2.94E-25
Non-allergic asthma	CAPN1	rs675944	G	A	0.063	0.008	0.520	3.06E-14	-0.020	0.016	0.199	0.002	57.689	TRUE	1.86E-11
Non-allergic asthma	CAPN1	rs7116875	A	G	0.355	0.008	0.422	0.00E+00	-0.043	0.016	0.008	0.061	2069.445	TRUE	0.00E+00
Non-allergic asthma	CAPN1	rs72929012	T	C	0.163	0.026	0.032	1.51E-10	-0.041	0.031	0.196	0.001	41.011	TRUE	2.24E-08
Non-allergic asthma	CAPN1	rs72932855	C	A	-0.333	0.027	0.034	2.61E-35	0.060	0.055	0.278	0.005	153.756	TRUE	1.32E-29
Non-allergic asthma	CAPN1	rs76092837	A	G	-0.273	0.031	0.020	2.35E-18	-0.068	0.063	0.275	0.002	76.365	TRUE	3.95E-15
Non-allergic asthma	CAPN1	rs76948736	G	A	-0.334	0.027	0.034	5.12E-36	0.079	0.039	0.042	0.005	156.991	TRUE	1.22E-28
Non-allergic asthma	CAPN1	rs76984126	T	G	-0.151	0.025	0.029	1.21E-09	-0.081	0.037	0.029	0.001	36.955	TRUE	6.15E-07
Non-allergic asthma	CAPN1	rs77231260	C	T	0.164	0.025	0.031	9.02E-11	-0.115	0.063	0.070	0.001	42.022	TRUE	3.97E-08
Non-allergic asthma	CAPN1	rs77725975	G	A	0.379	0.023	0.035	7.06E-62	-0.061	0.046	0.186	0.009	275.515	TRUE	6.50E-52
Non-allergic asthma	CAPN1	rs78752645	T	C	-0.409	0.068	0.013	1.78E-09	-0.012	0.070	0.860	0.001	36.197	TRUE	2.09E-08
Non-allergic asthma	CAPN1	rs78922422	A	G	0.305	0.020	0.049	6.66E-53	-0.017	0.046	0.712	0.007	234.350	TRUE	3.32E-46
Non-allergic asthma	CAPN1	rs7940559	A	G	-0.139	0.009	0.325	8.74E-60	0.036	0.017	0.034	0.008	265.915	TRUE	2.21E-48
Non-allergic asthma	CAPZB	rs10799816	A	G	-0.051	0.008	0.434	2.10E-10	-0.015	0.016	0.340	0.001	40.371	TRUE	1.52E-08
Non-allergic asthma	CAPZB	rs114891776	A	G	-0.193	0.018	0.054	1.05E-27	-0.104	0.038	0.006	0.004	118.982	TRUE	9.47E-21
Non-allergic asthma	CAPZB	rs12736482	A	C	-0.242	0.029	0.024	1.83E-16	-0.097	0.052	0.060	0.002	67.778	TRUE	1.12E-12
Non-allergic asthma	CAPZB	rs58416206	A	C	-0.054	0.008	0.402	2.03E-11	-0.025	0.016	0.121	0.001	44.938	TRUE	7.14E-09
Non-allergic asthma	CASP2	rs10274425	A	G	-0.059	0.009	0.280	3.67E-11	0.026	0.020	0.194	0.001	43.779	TRUE	7.02E-09
Non-allergic asthma	CASP2	rs3181165	A	G	0.125	0.018	0.055	4.78E-12	-0.082	0.037	0.027	0.002	47.772	TRUE	8.47E-09
Non-allergic asthma	CASP2	rs34904831	T	C	-0.101	0.018	0.060	3.56E-08	-0.005	0.028	0.866	0.001	30.376	TRUE	2.88E-07
Non-allergic asthma	CASP2	rs73170672	A	G	0.318	0.031	0.022	2.28E-25	0.101	0.049	0.040	0.003	108.320	TRUE	8.92E-20
Non-allergic asthma	CBL	rs11217241	T	C	-0.189	0.022	0.099	2.07E-17	-0.036	0.027	0.174	0.002	72.069	TRUE	5.01E-14
Non-allergic asthma	CBL	rs112233726	A	G	0.195	0.036	0.035	4.21E-08	-0.169	0.066	0.010	0.001	30.051	TRUE	1.72E-05
Non-allergic asthma	CBL	rs117431399	G	T	-0.558	0.061	0.016	6.80E-20	0.092	0.079	0.246	0.003	83.366	TRUE	2.36E-16
Non-allergic asthma	CBL	rs1784304	A	C	0.083	0.014	0.253	4.54E-09	0.031	0.017	0.074	0.001	34.375	TRUE	8.77E-07
Non-allergic asthma	CBL	rs1918	C	T	0.190	0.033	0.040	1.24E-08	-0.062	0.035	0.081	0.001	32.424	TRUE	1.82E-06
Non-allergic asthma	CBL	rs2155380	G	A	-0.315	0.013	0.294	4.72E-135	-0.035	0.017	0.040	0.019	611.683	TRUE	2.71E-112
Non-allergic asthma	CBL	rs2509656	A	G	0.145	0.019	0.131	1.06E-13	0.002	0.020	0.938	0.002	55.248	TRUE	3.17E-12
Non-allergic asthma	CBL	rs2511842	T	C	-0.542	0.054	0.017	1.69E-23	-0.059	0.074	0.430	0.003	99.790	TRUE	6.56E-20
Non-allergic asthma	CBL	rs616314	A	T	0.121	0.016	0.159	6.58E-14	0.014	0.020	0.478	0.002	56.187	TRUE	9.33E-12
Non-allergic asthma	CBL	rs674424	T	C	0.104	0.014	0.249	2.55E-14	0.017	0.019	0.380	0.002	58.052	TRUE	6.17E-12
Non-allergic asthma	CBL	rs77638281	A	G	-0.216	0.033	0.034	3.36E-11	-0.088	0.057	0.122	0.001	43.952	TRUE	1.07E-08
Non-allergic asthma	CHMP6	rs112742667	A	G	0.216	0.032	0.021	1.12E-11	0.037	0.036	0.301	0.001	46.109	TRUE	1.51E-09
Non-allergic asthma	CHMP6	rs1128687	C	T	-0.133	0.010	0.409	4.95E-41	-0.020	0.016	0.232	0.006	179.944	TRUE	2.56E-34
Non-allergic asthma	CHMP6	rs11653897	T	C	-0.085	0.011	0.227	1.18E-15	-0.040	0.019	0.032	0.002	64.101	TRUE	9.53E-12
Non-allergic asthma	CHMP6	rs117766089	A	G	-0.155	0.027	0.035	9.65E-09	-0.034	0.032	0.291	0.001	32.909	TRUE	4.55E-07
Non-allergic asthma	CHMP6	rs148942008	T	C	0.337	0.040	0.014	4.24E-17	0.048	0.067	0.470	0.002	70.660	TRUE	1.74E-14
Non-allergic asthma	CHMP6	rs2289765	G	A	0.070	0.012	0.121	1.21E-08	0.007	0.023	0.775	0.001	32.467	TRUE	1.38E-07

Non-allergic asthma	CHMP6	rs56239087	T	C	0.370	0.012	0.163	1.63E-224	0.045	0.018	0.013	0.031	1023.136	TRUE	2.08E-186
Non-allergic asthma	CHMP6	rs72850551	A	G	0.210	0.023	0.037	2.26E-20	-0.038	0.043	0.377	0.003	85.542	TRUE	4.23E-17
Non-allergic asthma	CHMP6	rs7502314	C	G	0.066	0.012	0.186	1.89E-08	0.026	0.020	0.180	0.001	31.603	TRUE	1.30E-06
Non-allergic asthma	CHMP6	rs75164129	A	C	-0.100	0.016	0.107	2.37E-10	0.022	0.020	0.277	0.001	40.135	TRUE	2.18E-08
Non-allergic asthma	CHMP6	rs78794443	C	T	0.279	0.029	0.026	2.20E-22	-0.055	0.047	0.239	0.003	94.706	TRUE	1.93E-18
Non-allergic asthma	CHMP6	rs9911223	A	G	-0.071	0.009	0.316	1.44E-14	-0.010	0.017	0.542	0.002	59.175	TRUE	1.99E-12
Non-allergic asthma	CHMP6	rs9915393	G	C	0.102	0.010	0.241	3.85E-24	-0.041	0.017	0.018	0.003	102.720	TRUE	2.26E-18
Non-allergic asthma	CLNK	rs11721652	T	C	0.060	0.008	0.461	1.45E-13	0.035	0.016	0.028	0.002	54.635	TRUE	5.07E-10
Non-allergic asthma	CTNNA1	rs10440755	T	C	-0.090	0.012	0.121	1.73E-13	-0.035	0.020	0.083	0.002	54.284	TRUE	2.14E-10
Non-allergic asthma	CTNNA1	rs11032	C	T	-0.246	0.019	0.048	1.84E-37	0.096	0.041	0.020	0.005	163.604	TRUE	2.43E-29
Non-allergic asthma	CTNNA1	rs11242450	C	T	0.351	0.008	0.468	0.00E+00	-0.024	0.016	0.120	0.061	2065.908	TRUE	0.00E+00
Non-allergic asthma	CTNNA1	rs112611955	C	T	0.308	0.028	0.025	6.67E-28	-0.018	0.054	0.746	0.004	119.886	TRUE	2.12E-24
Non-allergic asthma	CTNNA1	rs113345883	T	C	0.341	0.048	0.017	1.40E-12	0.119	0.061	0.049	0.002	50.180	TRUE	1.91E-09
Non-allergic asthma	CTNNA1	rs113381014	T	C	0.271	0.038	0.018	5.92E-13	-0.053	0.056	0.336	0.002	51.868	TRUE	1.08E-10
Non-allergic asthma	CTNNA1	rs113883338	A	G	-0.675	0.016	0.077	0.00E+00	-0.006	0.030	0.851	0.052	1752.209	TRUE	0.00E+00
Non-allergic asthma	CTNNA1	rs114801866	T	G	0.175	0.032	0.020	3.17E-08	-0.132	0.045	0.003	0.001	30.601	TRUE	2.59E-05
Non-allergic asthma	CTNNA1	rs114818254	A	G	0.297	0.037	0.017	5.32E-16	-0.007	0.073	0.920	0.002	65.671	TRUE	3.11E-14
Non-allergic asthma	CTNNA1	rs11552054	C	A	-0.620	0.021	0.037	8.31E-191	-0.025	0.055	0.649	0.027	868.074	TRUE	5.06E-166
Non-allergic asthma	CTNNA1	rs116649680	T	C	-0.392	0.025	0.036	1.61E-56	-0.006	0.049	0.900	0.008	250.939	TRUE	6.69E-50
Non-allergic asthma	CTNNA1	rs11739814	T	C	-0.547	0.040	0.015	3.06E-42	-0.006	0.074	0.934	0.006	185.481	TRUE	2.05E-37
Non-allergic asthma	CTNNA1	rs11747454	A	G	0.294	0.010	0.190	6.89E-190	0.006	0.022	0.787	0.027	863.853	TRUE	5.71E-166
Non-allergic asthma	CTNNA1	rs11748543	A	G	0.165	0.022	0.037	6.92E-14	-0.013	0.033	0.688	0.002	56.088	TRUE	4.71E-12
Non-allergic asthma	CTNNA1	rs1184557	A	G	-0.705	0.013	0.110	0.00E+00	0.032	0.026	0.209	0.085	2946.177	TRUE	0.00E+00
Non-allergic asthma	CTNNA1	rs11954206	A	G	-0.186	0.034	0.022	3.01E-08	0.100	0.041	0.015	0.001	30.696	TRUE	1.09E-05
Non-allergic asthma	CTNNA1	rs12517918	T	C	0.237	0.023	0.034	1.21E-25	0.091	0.068	0.183	0.003	109.580	TRUE	5.35E-21
Non-allergic asthma	CTNNA1	rs13167905	C	T	-0.397	0.015	0.110	2.43E-162	-0.003	0.041	0.950	0.023	737.161	TRUE	8.29E-143
Non-allergic asthma	CTNNA1	rs13178336	C	T	0.242	0.018	0.056	4.72E-42	-0.030	0.034	0.385	0.006	184.621	TRUE	8.71E-36
Non-allergic asthma	CTNNA1	rs138247695	A	G	0.213	0.033	0.022	1.73E-10	0.051	0.074	0.497	0.001	40.753	TRUE	7.44E-09
Non-allergic asthma	CTNNA1	rs139090494	A	G	-0.256	0.040	0.013	2.14E-10	-0.025	0.062	0.681	0.001	40.328	TRUE	5.24E-09
Non-allergic asthma	CTNNA1	rs139183358	A	G	0.266	0.020	0.051	9.55E-41	0.063	0.034	0.060	0.006	178.639	TRUE	7.42E-33
Non-allergic asthma	CTNNA1	rs142900298	T	C	0.319	0.035	0.017	9.94E-20	-0.039	0.046	0.397	0.003	82.616	TRUE	1.36E-16
Non-allergic asthma	CTNNA1	rs143144975	G	T	-0.283	0.033	0.019	5.33E-18	-0.008	0.052	0.875	0.002	74.749	TRUE	6.27E-16
Non-allergic asthma	CTNNA1	rs143963031	G	A	0.265	0.022	0.039	7.00E-35	-0.021	0.033	0.522	0.005	151.793	TRUE	5.58E-30
Non-allergic asthma	CTNNA1	rs146062774	A	G	-0.545	0.086	0.014	2.83E-10	0.080	0.085	0.345	0.001	39.788	TRUE	1.91E-08
Non-allergic asthma	CTNNA1	rs147454089	G	T	0.317	0.031	0.023	1.17E-24	-0.009	0.045	0.846	0.003	105.076	TRUE	9.66E-22
Non-allergic asthma	CTNNA1	rs148665639	G	A	0.241	0.042	0.016	1.31E-08	0.030	0.051	0.557	0.001	32.317	TRUE	2.55E-07
Non-allergic asthma	CTNNA1	rs150507411	T	C	0.326	0.016	0.081	1.64E-97	0.001	0.025	0.980	0.014	439.142	TRUE	3.42E-86
Non-allergic asthma	CTNNA1	rs150857930	G	A	-0.667	0.059	0.013	1.11E-29	0.099	0.061	0.104	0.004	128.008	TRUE	5.67E-24
Non-allergic asthma	CTNNA1	rs17286171	T	C	0.330	0.011	0.166	2.20E-215	-0.003	0.020	0.884	0.030	981.133	TRUE	1.31E-188
Non-allergic asthma	CTNNA1	rs182696447	C	T	0.268	0.032	0.020	2.93E-17	0.010	0.051	0.849	0.002	71.388	TRUE	3.08E-15
Non-allergic asthma	CTNNA1	rs184488056	A	G	-0.389	0.043	0.021	2.21E-19	0.048	0.047	0.311	0.003	81.038	TRUE	4.28E-16
Non-allergic asthma	CTNNA1	rs2012027	C	T	0.112	0.009	0.287	1.19E-36	-0.012	0.018	0.510	0.005	159.897	TRUE	1.74E-31

Non-allergic asthma	CTNNA1	rs2060213	C	T	-0.076	0.009	0.247	9.88E-17	0.003	0.018	0.868	0.002	68.989	TRUE	8.39E-15
Non-allergic asthma	CTNNA1	rs2231468	T	C	-0.077	0.008	0.429	1.25E-21	0.022	0.016	0.154	0.003	91.265	TRUE	1.74E-17
Non-allergic asthma	CTNNA1	rs2292268	G	A	0.382	0.016	0.073	6.18E-129	-0.038	0.026	0.142	0.018	583.558	TRUE	5.37E-109
Non-allergic asthma	CTNNA1	rs28419191	T	C	0.210	0.013	0.126	2.25E-61	-0.052	0.023	0.026	0.009	273.208	TRUE	1.65E-49
Non-allergic asthma	CTNNA1	rs28745577	A	G	0.300	0.037	0.016	7.05E-16	-0.044	0.065	0.501	0.002	65.114	TRUE	1.73E-13
Non-allergic asthma	CTNNA1	rs288006	C	T	-0.537	0.052	0.017	1.32E-24	-0.062	0.115	0.590	0.003	104.843	TRUE	3.27E-21
Non-allergic asthma	CTNNA1	rs28817902	G	A	0.150	0.014	0.098	1.55E-28	-0.011	0.032	0.731	0.004	122.780	TRUE	6.35E-25
Non-allergic asthma	CTNNA1	rs4835644	C	T	0.150	0.013	0.112	2.52E-31	-0.034	0.024	0.153	0.004	135.526	TRUE	1.16E-25
Non-allergic asthma	CTNNA1	rs4835682	C	T	-0.117	0.008	0.439	1.42E-48	-0.007	0.016	0.678	0.007	214.509	TRUE	2.50E-42
Non-allergic asthma	CTNNA1	rs4835693	C	A	0.105	0.010	0.219	9.79E-27	-0.024	0.018	0.171	0.004	114.560	TRUE	7.27E-22
Non-allergic asthma	CTNNA1	rs58914268	C	T	-0.499	0.010	0.199	0.00E+00	0.031	0.018	0.082	0.076	2593.487	TRUE	0.00E+00
Non-allergic asthma	CTNNA1	rs59059576	A	G	0.246	0.041	0.021	2.91E-09	-0.029	0.034	0.397	0.001	35.239	TRUE	1.14E-07
Non-allergic asthma	CTNNA1	rs62381229	A	C	0.360	0.023	0.035	1.33E-57	0.022	0.040	0.582	0.008	255.900	TRUE	6.37E-50
Non-allergic asthma	CTNNA1	rs62382367	T	C	0.105	0.011	0.143	2.40E-20	0.004	0.022	0.852	0.003	85.423	TRUE	5.86E-18
Non-allergic asthma	CTNNA1	rs6580190	T	C	0.220	0.013	0.115	6.72E-61	-0.009	0.023	0.687	0.008	271.024	TRUE	3.99E-53
Non-allergic asthma	CTNNA1	rs6596446	C	T	-0.268	0.009	0.353	8.54E-204	0.021	0.016	0.180	0.028	927.822	TRUE	1.33E-173
Non-allergic asthma	CTNNA1	rs67665497	C	T	0.273	0.013	0.114	7.81E-97	-0.027	0.025	0.273	0.014	436.028	TRUE	1.53E-82
Non-allergic asthma	CTNNA1	rs71596575	A	G	-0.139	0.013	0.109	2.17E-27	0.015	0.027	0.567	0.004	117.550	TRUE	1.39E-23
Non-allergic asthma	CTNNA1	rs72790996	A	G	0.134	0.022	0.035	2.48E-09	0.004	0.042	0.921	0.001	35.555	TRUE	2.41E-08
Non-allergic asthma	CTNNA1	rs72805831	T	C	-0.349	0.039	0.015	2.49E-19	-0.069	0.097	0.477	0.003	80.801	TRUE	2.03E-16
Non-allergic asthma	CTNNA1	rs72805855	G	A	-0.606	0.040	0.016	1.45E-52	0.079	0.057	0.170	0.007	232.798	TRUE	7.71E-44
Non-allergic asthma	CTNNA1	rs7379760	G	T	-0.090	0.008	0.325	1.44E-26	0.025	0.016	0.129	0.004	113.790	TRUE	1.64E-21
Non-allergic asthma	CTNNA1	rs76249205	G	T	0.154	0.028	0.025	4.14E-08	0.018	0.065	0.787	0.001	30.081	TRUE	3.94E-07
Non-allergic asthma	CTNNA1	rs76624248	A	G	-0.357	0.019	0.049	3.34E-76	-0.050	0.041	0.225	0.011	341.267	TRUE	1.83E-64
Non-allergic asthma	CTNNA1	rs77085797	A	G	0.172	0.013	0.110	4.47E-42	-0.026	0.022	0.245	0.006	184.729	TRUE	2.85E-35
Non-allergic asthma	CTNNA1	rs77626370	T	C	-0.720	0.035	0.019	5.01E-95	-0.002	0.045	0.964	0.013	427.726	TRUE	5.95E-84
Non-allergic asthma	CTNNA1	rs78978159	T	C	0.138	0.019	0.046	4.52E-13	0.001	0.052	0.992	0.002	52.400	TRUE	9.75E-12
Non-allergic asthma	CTNNA1	rs79253359	G	C	0.249	0.021	0.046	4.00E-31	0.019	0.035	0.581	0.004	134.612	TRUE	7.36E-27
Non-allergic asthma	CTNNA1	rs80059114	A	G	-0.240	0.015	0.099	1.91E-59	0.015	0.025	0.546	0.008	264.359	TRUE	2.07E-51
Non-allergic asthma	CTSO	rs10002427	T	C	-0.299	0.012	0.123	1.76E-137	-0.060	0.022	0.007	0.019	622.855	TRUE	3.56E-112
Non-allergic asthma	CTSO	rs10032464	A	G	-0.094	0.016	0.093	2.99E-09	0.027	0.021	0.181	0.001	35.191	TRUE	2.85E-07
Non-allergic asthma	CTSO	rs1017728	C	T	-0.377	0.031	0.022	5.78E-35	0.141	0.082	0.083	0.005	152.172	TRUE	3.01E-28
Non-allergic asthma	CTSO	rs113117210	C	T	-0.180	0.020	0.042	9.30E-20	-0.019	0.030	0.524	0.003	82.746	TRUE	7.05E-17
Non-allergic asthma	CTSO	rs113999871	C	A	-0.210	0.020	0.041	5.43E-25	0.030	0.054	0.569	0.003	106.599	TRUE	1.67E-21
Non-allergic asthma	CTSO	rs115135551	C	T	-0.067	0.009	0.362	3.49E-14	-0.038	0.016	0.015	0.002	57.435	TRUE	2.75E-10
Non-allergic asthma	CTSO	rs11945315	G	A	-0.079	0.013	0.113	2.58E-10	0.017	0.027	0.516	0.001	39.968	TRUE	9.90E-09
Non-allergic asthma	CTSO	rs13108152	A	C	-0.153	0.008	0.493	4.43E-83	-0.018	0.016	0.262	0.012	372.855	TRUE	1.27E-70
Non-allergic asthma	CTSO	rs13124677	A	G	0.109	0.009	0.230	9.69E-31	-0.034	0.020	0.092	0.004	132.853	TRUE	8.97E-25
Non-allergic asthma	CTSO	rs17033553	G	A	-0.051	0.009	0.300	5.66E-09	0.009	0.019	0.613	0.001	33.947	TRUE	1.07E-07
Non-allergic asthma	CTSO	rs185725541	T	C	-0.610	0.030	0.022	3.38E-93	-0.040	0.081	0.619	0.013	419.323	TRUE	4.46E-81
Non-allergic asthma	CTSO	rs28718087	A	T	-0.205	0.012	0.126	8.14E-66	-0.048	0.024	0.050	0.009	293.591	TRUE	7.97E-54
Non-allergic asthma	CTSO	rs4690871	A	G	0.054	0.008	0.398	2.14E-11	-0.005	0.017	0.750	0.001	44.839	TRUE	5.79E-10

Non-allergic asthma	CTSO	rs62326163	C	T	-0.122	0.014	0.097	1.93E-19	0.034	0.032	0.287	0.003	81.305	TRUE	4.40E-16
Non-allergic asthma	CTSO	rs62326193	T	C	-0.087	0.013	0.111	1.16E-11	0.062	0.024	0.009	0.001	46.042	TRUE	3.56E-08
Non-allergic asthma	CTSO	rs62327833	A	G	-0.097	0.011	0.158	5.59E-19	-0.021	0.020	0.294	0.002	79.202	TRUE	1.04E-15
Non-allergic asthma	CTSO	rs68135984	G	A	-0.150	0.012	0.134	1.67E-36	-0.040	0.025	0.112	0.005	159.214	TRUE	8.84E-30
Non-allergic asthma	CTSO	rs72617492	T	G	-0.057	0.010	0.229	2.52E-09	-0.009	0.018	0.612	0.001	35.524	TRUE	5.34E-08
Non-allergic asthma	CTSO	rs72681516	C	G	-0.249	0.018	0.055	6.52E-46	0.042	0.046	0.365	0.006	202.304	TRUE	4.74E-39
Non-allergic asthma	CTSO	rs72685483	A	G	-0.067	0.010	0.192	4.51E-11	0.022	0.022	0.302	0.001	43.376	TRUE	4.86E-09
Non-allergic asthma	CTSO	rs7662654	G	A	-0.125	0.018	0.060	4.52E-12	0.008	0.028	0.770	0.002	47.880	TRUE	1.41E-10
Non-allergic asthma	CTTN	rs4570606	C	T	0.100	0.009	0.227	7.90E-26	0.046	0.018	0.011	0.003	110.419	TRUE	1.73E-19
Non-allergic asthma	CTTN	rs583347	A	G	0.050	0.008	0.341	2.57E-09	0.009	0.016	0.578	0.001	35.484	TRUE	5.97E-08
Non-allergic asthma	DDIT3	rs697221	A	G	0.191	0.012	0.144	4.90E-59	0.047	0.019	0.012	0.008	262.483	TRUE	6.65E-47
Non-allergic asthma	DDIT3	rs755289	A	G	0.148	0.025	0.030	3.99E-09	-0.035	0.071	0.621	0.001	34.629	TRUE	7.75E-08
Non-allergic asthma	DDRGK1	rs11087572	G	A	0.122	0.009	0.293	1.23E-43	-0.018	0.017	0.287	0.006	191.872	TRUE	8.66E-37
Non-allergic asthma	DDRGK1	rs116301611	A	G	0.252	0.028	0.026	3.09E-19	-0.080	0.036	0.025	0.003	80.374	TRUE	1.56E-14
Non-allergic asthma	DDRGK1	rs117178710	C	T	0.173	0.027	0.029	9.37E-11	-0.003	0.033	0.928	0.001	41.946	TRUE	1.31E-09
Non-allergic asthma	DDRGK1	rs117351792	T	C	-0.244	0.032	0.017	3.23E-14	0.019	0.057	0.743	0.002	57.586	TRUE	2.03E-12
Non-allergic asthma	DDRGK1	rs138753251	T	C	0.275	0.011	0.168	2.57E-150	-0.050	0.020	0.014	0.021	681.868	TRUE	7.93E-124
Non-allergic asthma	DDRGK1	rs141319211	A	G	-0.310	0.017	0.064	1.44E-77	0.010	0.036	0.787	0.011	347.531	TRUE	4.95E-68
Non-allergic asthma	DDRGK1	rs148063101	A	G	0.219	0.031	0.019	1.43E-12	0.010	0.053	0.858	0.002	50.134	TRUE	3.99E-11
Non-allergic asthma	DDRGK1	rs149883360	T	C	0.213	0.036	0.019	1.97E-09	-0.057	0.037	0.126	0.001	36.005	TRUE	2.84E-07
Non-allergic asthma	DDRGK1	rs151558	G	A	0.085	0.012	0.129	9.08E-13	0.007	0.022	0.754	0.002	51.031	TRUE	3.63E-11
Non-allergic asthma	DDRGK1	rs167391	T	A	0.082	0.012	0.377	2.69E-11	-0.008	0.016	0.625	0.001	44.385	TRUE	1.02E-09
Non-allergic asthma	DDRGK1	rs183200992	G	A	-0.300	0.041	0.018	1.32E-13	0.035	0.093	0.707	0.002	54.813	TRUE	7.81E-12
Non-allergic asthma	DDRGK1	rs235553	C	T	0.060	0.010	0.175	8.64E-09	-0.027	0.019	0.162	0.001	33.122	TRUE	7.56E-07
Non-allergic asthma	DDRGK1	rs2753978	T	C	-0.143	0.009	0.226	2.60E-51	0.019	0.019	0.314	0.007	227.055	TRUE	1.65E-43
Non-allergic asthma	DDRGK1	rs2853215	A	G	-0.065	0.010	0.267	1.51E-11	0.023	0.019	0.220	0.001	45.516	TRUE	2.90E-09
Non-allergic asthma	DDRGK1	rs34411219	T	C	-0.289	0.022	0.034	8.61E-40	0.104	0.051	0.042	0.005	174.267	TRUE	8.78E-32
Non-allergic asthma	DDRGK1	rs3810559	G	T	-0.225	0.008	0.453	1.09E-179	-0.005	0.016	0.737	0.025	816.940	TRUE	7.39E-157
Non-allergic asthma	DDRGK1	rs4813629	A	G	-0.306	0.008	0.401	0.00E+00	0.013	0.017	0.420	0.045	1487.271	TRUE	4.68E-280
Non-allergic asthma	DDRGK1	rs4815570	T	G	0.121	0.009	0.244	1.46E-38	-0.016	0.018	0.368	0.005	168.641	TRUE	1.02E-32
Non-allergic asthma	DDRGK1	rs511898	T	C	0.073	0.008	0.350	1.51E-18	-0.024	0.016	0.138	0.002	77.245	TRUE	7.75E-15
Non-allergic asthma	DDRGK1	rs516681	G	C	0.156	0.021	0.043	3.28E-13	-0.052	0.041	0.206	0.002	53.027	TRUE	1.29E-10
Non-allergic asthma	DDRGK1	rs55750620	A	G	-0.280	0.017	0.063	6.63E-61	0.030	0.045	0.505	0.008	271.051	TRUE	1.54E-52
Non-allergic asthma	DDRGK1	rs6051643	G	A	0.185	0.031	0.020	3.88E-09	0.073	0.042	0.085	0.001	34.680	TRUE	6.96E-07
Non-allergic asthma	DDRGK1	rs6084282	T	C	0.143	0.013	0.101	1.38E-27	-0.010	0.022	0.654	0.004	118.441	TRUE	6.15E-24
Non-allergic asthma	DDRGK1	rs6084415	A	C	0.126	0.020	0.046	2.17E-10	-0.069	0.037	0.060	0.001	40.307	TRUE	9.22E-08
Non-allergic asthma	DDRGK1	rs6084436	T	C	0.100	0.017	0.059	4.05E-09	-0.030	0.036	0.396	0.001	34.596	TRUE	1.52E-07
Non-allergic asthma	DDRGK1	rs616641	C	A	0.131	0.016	0.065	5.26E-16	-0.026	0.030	0.393	0.002	65.693	TRUE	2.13E-13
Non-allergic asthma	DDRGK1	rs67494513	G	A	-0.077	0.013	0.105	2.62E-09	-0.048	0.022	0.028	0.001	35.443	TRUE	1.16E-06
Non-allergic asthma	DDRGK1	rs7260750	G	A	0.081	0.008	0.345	2.60E-22	0.017	0.016	0.278	0.003	94.379	TRUE	1.68E-18
Non-allergic asthma	DDRGK1	rs75744682	A	C	-0.085	0.014	0.096	9.72E-10	0.017	0.038	0.655	0.001	37.379	TRUE	2.09E-08
Non-allergic asthma	DDRGK1	rs77536899	G	A	0.236	0.031	0.019	3.02E-14	-0.055	0.066	0.399	0.002	57.717	TRUE	6.57E-12

Non-allergic asthma	DDRGK1	rs77552846	G	A	-0.421	0.047	0.016	1.94E-19	0.058	0.103	0.572	0.003	81.290	TRUE	1.09E-16
Non-allergic asthma	DDRGK1	rs79887780	T	C	0.278	0.032	0.020	5.72E-18	-0.040	0.064	0.537	0.002	74.610	TRUE	2.35E-15
Non-allergic asthma	DDRGK1	rs8120592	T	C	0.075	0.014	0.093	4.46E-08	0.019	0.037	0.614	0.001	29.937	TRUE	6.34E-07
Non-allergic asthma	DDX47	rs1010878	A	G	0.078	0.009	0.247	4.08E-17	-0.038	0.017	0.027	0.002	70.734	TRUE	7.60E-13
Non-allergic asthma	DDX47	rs7956578	T	C	-0.046	0.008	0.446	1.37E-08	0.007	0.016	0.650	0.001	32.233	TRUE	2.09E-07
Non-allergic asthma	ERBB3	rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	0.054	0.016	7.19E-04	0.013	424.916	TRUE	3.24E-74
Non-allergic asthma	ERBB3	rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	0.095	0.049	0.055	0.002	50.140	TRUE	1.76E-09
Non-allergic asthma	ERBB3	rs150823486	A	G	0.124	0.022	0.045	9.57E-09	-0.067	0.050	0.180	0.001	32.925	TRUE	7.43E-07
Non-allergic asthma	ERBB3	rs773662	C	T	-0.091	0.015	0.075	2.12E-09	0.030	0.027	0.265	0.001	35.856	TRUE	1.43E-07
Non-allergic asthma	FNIP2	rs10009938	G	A	-0.056	0.008	0.421	8.95E-12	0.019	0.016	0.219	0.001	46.542	TRUE	1.89E-09
Non-allergic asthma	FNIP2	rs112718322	C	A	-0.159	0.022	0.036	9.85E-13	0.039	0.040	0.325	0.002	50.871	TRUE	1.75E-10
Non-allergic asthma	FNIP2	rs115154624	G	A	-0.222	0.031	0.022	7.67E-13	0.034	0.035	0.328	0.002	51.363	TRUE	1.40E-10
Non-allergic asthma	FNIP2	rs116113577	C	T	-0.249	0.040	0.017	3.84E-10	-0.163	0.105	0.120	0.001	39.193	TRUE	7.88E-08
Non-allergic asthma	FNIP2	rs13119680	A	G	-0.250	0.040	0.015	3.07E-10	-0.022	0.063	0.727	0.001	39.629	TRUE	6.32E-09
Non-allergic asthma	FNIP2	rs146101133	A	G	-0.203	0.032	0.020	1.34E-10	0.020	0.064	0.751	0.001	41.245	TRUE	2.88E-09
Non-allergic asthma	FNIP2	rs150430651	C	T	0.215	0.039	0.015	3.45E-08	0.092	0.053	0.081	0.001	30.433	TRUE	4.13E-06
Non-allergic asthma	FNIP2	rs17037731	G	T	0.268	0.021	0.037	3.81E-37	0.030	0.055	0.591	0.005	162.155	TRUE	4.00E-32
Non-allergic asthma	FNIP2	rs35747642	G	T	-0.242	0.008	0.372	7.74E-193	0.034	0.017	0.041	0.027	877.418	TRUE	2.09E-161
Non-allergic asthma	FNIP2	rs6536350	G	A	-0.096	0.011	0.174	9.48E-20	0.058	0.023	0.012	0.003	82.710	TRUE	1.25E-14
Non-allergic asthma	FNIP2	rs6818858	A	G	0.132	0.016	0.070	4.24E-17	-0.011	0.033	0.746	0.002	70.660	TRUE	6.09E-15
Non-allergic asthma	FNIP2	rs72695488	A	T	0.149	0.012	0.137	6.10E-37	-0.001	0.024	0.953	0.005	161.217	TRUE	8.80E-33
Non-allergic asthma	FNIP2	rs7435789	T	C	-0.064	0.010	0.211	8.24E-11	-0.017	0.022	0.439	0.001	42.198	TRUE	4.81E-09
Non-allergic asthma	FNIP2	rs76327892	T	C	0.133	0.021	0.040	1.02E-10	-0.077	0.064	0.229	0.001	41.781	TRUE	1.35E-08
Non-allergic asthma	FNIP2	rs76610881	G	A	0.111	0.014	0.094	9.22E-16	-0.048	0.024	0.048	0.002	64.587	TRUE	5.23E-12
Non-allergic asthma	FNIP2	rs7665744	G	A	-0.055	0.010	0.197	3.79E-08	0.004	0.018	0.812	0.001	30.250	TRUE	3.44E-07
Non-allergic asthma	FNIP2	rs7671903	A	G	0.084	0.008	0.444	8.79E-26	0.002	0.016	0.897	0.003	110.210	TRUE	7.97E-23
Non-allergic asthma	FNIP2	rs77143685	G	T	-0.172	0.022	0.035	7.90E-15	-0.008	0.034	0.811	0.002	60.357	TRUE	4.76E-13
Non-allergic asthma	FNIP2	rs77229150	A	C	-0.116	0.018	0.052	2.28E-10	0.076	0.036	0.035	0.001	40.208	TRUE	1.45E-07
Non-allergic asthma	FNIP2	rs78126162	C	T	-0.156	0.020	0.044	4.61E-15	0.061	0.044	0.164	0.002	61.415	TRUE	4.94E-12
Non-allergic asthma	FNIP2	rs78665148	C	A	-0.137	0.023	0.034	1.32E-09	-0.055	0.056	0.326	0.001	36.784	TRUE	7.51E-08
Non-allergic asthma	GLB1	rs11717007	C	A	0.200	0.009	0.230	9.39E-100	-0.057	0.017	0.001	0.014	449.447	TRUE	5.98E-79
Non-allergic asthma	GLB1	rs12186107	T	C	0.104	0.011	0.148	1.63E-19	0.001	0.023	0.958	0.003	81.633	TRUE	2.15E-17
Non-allergic asthma	GLB1	rs148730537	T	C	0.214	0.027	0.027	5.34E-15	-0.050	0.050	0.311	0.002	61.127	TRUE	2.25E-12
Non-allergic asthma	GLB1	rs35289681	A	G	-0.251	0.036	0.016	3.17E-12	0.077	0.038	0.042	0.002	48.578	TRUE	4.25E-09
Non-allergic asthma	GLB1	rs35480293	A	C	-0.178	0.011	0.171	5.68E-64	0.023	0.021	0.278	0.009	285.126	TRUE	3.03E-54
Non-allergic asthma	GLB1	rs35548241	G	A	-0.130	0.009	0.254	3.10E-46	-0.006	0.016	0.697	0.006	203.787	TRUE	2.47E-40
Non-allergic asthma	GLB1	rs60761526	G	A	-0.083	0.009	0.286	6.85E-21	-0.002	0.018	0.916	0.003	87.904	TRUE	1.53E-18
Non-allergic asthma	GLB1	rs62250478	T	C	0.088	0.008	0.393	6.26E-27	0.001	0.016	0.945	0.004	115.448	TRUE	6.30E-24
Non-allergic asthma	GLB1	rs6773595	T	C	0.146	0.011	0.175	1.13E-43	0.020	0.023	0.374	0.006	192.043	TRUE	3.79E-37
Non-allergic asthma	GLB1	rs7628519	T	G	0.052	0.009	0.257	1.41E-08	-0.046	0.018	0.012	0.001	32.165	TRUE	7.14E-06
Non-allergic asthma	GLB1	rs9810955	A	G	-0.228	0.029	0.020	8.83E-15	-0.125	0.092	0.175	0.002	60.136	TRUE	7.84E-12
Non-allergic asthma	GLB1	rs9827453	T	C	0.224	0.025	0.026	9.94E-19	0.017	0.053	0.745	0.002	78.067	TRUE	2.29E-16

Non-allergic asthma	GLS	rs115938555	A	G	-0.144	0.022	0.043	2.51E-11	-0.028	0.029	0.333	0.001	44.521	TRUE	2.60E-09
Non-allergic asthma	GLS	rs116520924	A	G	0.171	0.024	0.034	5.30E-13	0.059	0.073	0.420	0.002	52.087	TRUE	6.95E-11
Non-allergic asthma	GLS	rs116681266	A	G	0.271	0.025	0.032	1.91E-27	0.129	0.063	0.042	0.004	117.802	TRUE	1.63E-21
Non-allergic asthma	GLS	rs117660443	A	G	0.325	0.054	0.051	2.44E-09	0.052	0.029	0.069	0.001	35.584	TRUE	5.64E-07
Non-allergic asthma	GLS	rs13012785	A	T	0.104	0.016	0.070	8.84E-11	0.025	0.045	0.569	0.001	42.060	TRUE	3.36E-09
Non-allergic asthma	GLS	rs13410837	G	A	0.237	0.029	0.024	4.23E-16	0.108	0.103	0.291	0.002	66.122	TRUE	2.93E-13
Non-allergic asthma	GLS	rs145048940	C	A	0.265	0.031	0.021	2.61E-17	-0.058	0.057	0.307	0.002	71.618	TRUE	2.52E-14
Non-allergic asthma	GLS	rs35672585	A	G	0.076	0.011	0.154	6.16E-12	0.018	0.026	0.486	0.001	47.277	TRUE	4.46E-10
Non-allergic asthma	GLS	rs3755311	A	G	0.173	0.029	0.020	4.40E-09	0.005	0.054	0.920	0.001	34.436	TRUE	4.02E-08
Non-allergic asthma	GLS	rs3860472	T	C	0.230	0.032	0.024	3.85E-13	0.108	0.100	0.283	0.002	52.713	TRUE	9.64E-11
Non-allergic asthma	GLS	rs41382444	T	C	-0.126	0.017	0.064	2.80E-14	-0.062	0.040	0.122	0.002	57.866	TRUE	3.16E-11
Non-allergic asthma	GLS	rs4366932	T	C	0.123	0.008	0.376	1.01E-50	0.021	0.016	0.198	0.007	224.351	TRUE	1.96E-42
Non-allergic asthma	GLS	rs4438514	A	G	0.094	0.008	0.354	2.98E-29	0.013	0.019	0.486	0.004	126.055	TRUE	5.21E-25
Non-allergic asthma	GLS	rs45526631	T	C	-0.193	0.024	0.030	1.08E-15	-0.011	0.071	0.881	0.002	64.271	TRUE	6.62E-14
Non-allergic asthma	GLS	rs62179713	T	C	0.187	0.031	0.020	1.85E-09	0.002	0.045	0.956	0.001	36.125	TRUE	1.71E-08
Non-allergic asthma	GLS	rs62181023	G	T	-0.085	0.012	0.148	1.91E-12	-0.036	0.021	0.081	0.002	49.567	TRUE	1.55E-09
Non-allergic asthma	GLS	rs6733720	G	C	-0.113	0.010	0.182	5.45E-28	-0.014	0.023	0.556	0.004	120.290	TRUE	4.44E-24
Non-allergic asthma	GLS	rs72913156	A	C	0.070	0.008	0.403	2.79E-17	0.000	0.016	0.994	0.002	71.486	TRUE	1.79E-15
Non-allergic asthma	GLS	rs7562400	G	C	0.225	0.008	0.397	5.98E-171	0.046	0.016	0.005	0.024	776.752	TRUE	5.60E-140
Non-allergic asthma	GLS	rs887695	T	C	0.095	0.009	0.254	3.67E-25	0.056	0.018	0.002	0.003	107.377	TRUE	3.75E-18
Non-allergic asthma	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	0.002	0.036	0.962	0.003	100.450	TRUE	4.71E-21
Non-allergic asthma	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	0.016	0.058	0.785	0.002	59.231	TRUE	8.54E-13
Non-allergic asthma	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	0.001	0.021	0.947	0.003	80.015	TRUE	4.61E-17
Non-allergic asthma	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	0.013	0.032	0.690	0.004	136.489	TRUE	1.84E-27
Non-allergic asthma	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	0.002	0.030	0.945	0.009	296.275	TRUE	1.01E-58
Non-allergic asthma	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	-0.021	0.042	0.617	0.013	406.342	TRUE	1.32E-78
Non-allergic asthma	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	0.057	0.064	0.374	0.015	467.091	TRUE	5.57E-89
Non-allergic asthma	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	-0.036	0.025	0.149	0.023	740.366	TRUE	2.67E-138
Non-allergic asthma	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	0.034	0.043	0.427	0.003	99.048	TRUE	9.24E-20
Non-allergic asthma	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	-0.035	0.058	0.544	0.001	34.973	TRUE	8.21E-08
Non-allergic asthma	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	0.040	0.061	0.515	0.016	507.390	TRUE	2.70E-97
Non-allergic asthma	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	-0.005	0.058	0.928	0.005	156.475	TRUE	8.21E-32
Non-allergic asthma	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	-0.103	0.067	0.125	0.009	283.165	TRUE	7.22E-53
Non-allergic asthma	GSDMB	rs11871317	G	C	-0.325	0.010	0.243	8.62E-230	-0.020	0.017	0.240	0.032	1047.407	TRUE	1.47E-196
Non-allergic asthma	GSDMB	rs12449642	T	A	-0.411	0.010	0.202	0.00E+00	0.013	0.017	0.423	0.053	1778.099	TRUE	0.00E+00
Non-allergic asthma	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	0.075	0.019	5.48E-05	0.092	3205.686	TRUE	0.00E+00
Non-allergic asthma	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	-0.033	0.017	0.046	0.005	167.364	TRUE	1.38E-30
Non-allergic asthma	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	-0.009	0.016	0.574	0.031	1019.370	TRUE	5.34E-194
Non-allergic asthma	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	0.029	0.022	0.177	0.003	87.204	TRUE	7.85E-17
Non-allergic asthma	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	0.092	0.094	0.327	0.016	503.835	TRUE	1.28E-95
Non-allergic asthma	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	-0.042	0.040	0.295	0.007	222.293	TRUE	1.56E-42
Non-allergic asthma	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	0.068	0.107	0.525	0.001	33.205	TRUE	1.89E-07

Non-allergic asthma	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	0.081	0.060	0.177	0.001	33.754	TRUE	5.32E-07
Non-allergic asthma	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	0.077	0.031	0.012	0.011	352.288	TRUE	2.69E-63
Non-allergic asthma	GSDMB	rs142899349	C	T	-1.043	0.058	0.019	6.68E-72	0.028	0.042	0.499	0.010	321.522	TRUE	4.49E-62
Non-allergic asthma	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	0.049	0.073	0.501	0.002	47.640	TRUE	3.61E-10
Non-allergic asthma	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	0.098	0.091	0.281	0.002	59.413	TRUE	5.52E-12
Non-allergic asthma	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	0.075	0.101	0.462	0.007	214.750	TRUE	9.88E-42
Non-allergic asthma	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	-0.086	0.089	0.333	0.001	37.506	TRUE	5.37E-08
Non-allergic asthma	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	-0.055	0.070	0.431	0.002	55.410	TRUE	1.57E-11
Non-allergic asthma	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	0.028	0.020	0.161	0.005	145.706	TRUE	1.38E-27
Non-allergic asthma	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	-0.033	0.082	0.688	0.011	352.652	TRUE	1.14E-68
Non-allergic asthma	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	0.026	0.091	0.771	0.002	76.968	TRUE	3.38E-16
Non-allergic asthma	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	-0.022	0.101	0.826	0.003	95.228	TRUE	8.30E-20
Non-allergic asthma	GSDMB	rs150260796	G	A	0.337	0.023	0.039	1.07E-47	0.055	0.028	0.053	0.007	210.474	TRUE	1.36E-38
Non-allergic asthma	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	-0.076	0.152	0.615	0.001	45.430	TRUE	6.60E-10
Non-allergic asthma	GSDMB	rs150916518	T	C	-0.851	0.066	0.035	5.41E-38	-0.037	0.031	0.244	0.005	166.033	TRUE	9.10E-32
Non-allergic asthma	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	0.014	0.035	0.691	0.001	35.981	TRUE	3.53E-08
Non-allergic asthma	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	-0.054	0.118	0.646	0.001	36.499	TRUE	3.16E-08
Non-allergic asthma	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	0.013	0.029	0.639	0.003	106.322	TRUE	1.36E-21
Non-allergic asthma	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	0.023	0.016	0.168	0.004	130.155	TRUE	9.64E-25
Non-allergic asthma	GSDMB	rs1733805	G	T	-0.084	0.012	0.119	5.13E-12	0.016	0.028	0.569	0.002	47.634	TRUE	2.89E-10
Non-allergic asthma	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	0.049	0.088	0.574	0.001	42.138	TRUE	3.20E-09
Non-allergic asthma	GSDMB	rs186413878	C	T	-0.794	0.096	0.021	1.85E-16	-0.002	0.043	0.961	0.002	67.752	TRUE	1.07E-14
Non-allergic asthma	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	-0.015	0.106	0.889	0.002	67.752	TRUE	1.36E-14
Non-allergic asthma	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	0.041	0.024	0.095	0.003	98.282	TRUE	1.85E-18
Non-allergic asthma	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	-0.002	0.017	0.888	0.003	105.802	TRUE	5.86E-22
Non-allergic asthma	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	-0.026	0.021	0.230	0.007	222.121	TRUE	3.43E-42
Non-allergic asthma	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	0.003	0.069	0.970	0.006	179.383	TRUE	2.54E-36
Non-allergic asthma	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	-0.013	0.021	0.533	0.048	1598.167	TRUE	1.36E-301
Non-allergic asthma	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	0.008	0.025	0.762	0.002	50.240	TRUE	5.05E-11
Non-allergic asthma	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	0.004	0.041	0.927	0.019	624.369	TRUE	2.77E-121
Non-allergic asthma	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	-0.023	0.019	0.216	0.168	6416.153	TRUE	0.00E+00
Non-allergic asthma	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	-0.051	0.031	0.100	0.004	121.191	TRUE	1.07E-22
Non-allergic asthma	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	-0.011	0.017	0.514	0.005	165.347	TRUE	1.57E-32
Non-allergic asthma	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	-0.044	0.086	0.606	0.002	52.472	TRUE	3.04E-11
Non-allergic asthma	GSDMB	rs506728	C	G	-0.122	0.010	0.200	7.12E-35	-0.001	0.021	0.970	0.005	151.758	TRUE	5.41E-31
Non-allergic asthma	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	-0.006	0.020	0.775	0.005	167.025	TRUE	1.69E-33
Non-allergic asthma	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	0.038	0.059	0.519	0.003	91.090	TRUE	1.87E-18
Non-allergic asthma	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	-0.127	0.085	0.135	0.002	72.620	TRUE	5.61E-14
Non-allergic asthma	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	-0.069	0.047	0.137	0.002	51.211	TRUE	4.52E-10
Non-allergic asthma	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	-0.089	0.055	0.107	0.003	107.555	TRUE	3.07E-20
Non-allergic asthma	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	0.018	0.018	0.330	0.002	59.440	TRUE	4.27E-12
Non-allergic asthma	GSDMB	rs7214466	C	T	0.144	0.010	0.279	3.90E-49	0.012	0.017	0.468	0.007	217.078	TRUE	3.41E-42

Non-allergic asthma	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	0.139	0.073	0.058	0.002	67.584	TRUE	1.26E-12
Non-allergic asthma	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	0.009	0.029	0.751	0.006	190.987	TRUE	5.00E-38
Non-allergic asthma	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	-0.020	0.041	0.623	0.001	34.801	TRUE	7.14E-08
Non-allergic asthma	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	0.038	0.075	0.615	0.006	185.558	TRUE	1.22E-36
Non-allergic asthma	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	-0.146	0.066	0.027	0.002	71.753	TRUE	5.00E-13
Non-allergic asthma	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	-0.059	0.017	3.64E-04	0.060	2016.058	TRUE	0.00E+00
Non-allergic asthma	GSDMB	rs72832924	T	C	0.451	0.010	0.170	0.00E+00	0.039	0.026	0.137	0.056	1893.225	TRUE	0.00E+00
Non-allergic asthma	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	0.212	0.085	0.013	0.003	90.712	TRUE	4.41E-16
Non-allergic asthma	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	0.002	0.036	0.960	0.026	839.055	TRUE	3.64E-162
Non-allergic asthma	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	-0.067	0.069	0.333	0.003	97.751	TRUE	2.75E-19
Non-allergic asthma	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	0.009	0.044	0.830	0.010	324.865	TRUE	7.61E-64
Non-allergic asthma	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	-0.016	0.070	0.823	0.001	37.320	TRUE	1.38E-08
Non-allergic asthma	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	0.148	0.050	0.003	0.003	98.761	TRUE	6.70E-17
Non-allergic asthma	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	0.032	0.034	0.346	0.001	33.061	TRUE	3.48E-07
Non-allergic asthma	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	-0.066	0.026	0.010	0.002	53.670	TRUE	1.72E-09
Non-allergic asthma	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	-0.538	0.216	0.013	0.001	34.662	TRUE	2.55E-06
Non-allergic asthma	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	-0.124	0.116	0.282	0.004	129.419	TRUE	4.60E-25
Non-allergic asthma	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	-0.048	0.034	0.165	0.007	215.754	TRUE	1.25E-40
Non-allergic asthma	GSDMB	rs75905358	C	G	0.299	0.010	0.210	3.78E-209	0.009	0.017	0.612	0.029	952.447	TRUE	1.12E-181
Non-allergic asthma	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	0.015	0.052	0.770	0.001	37.710	TRUE	1.33E-08
Non-allergic asthma	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	-0.173	0.134	0.198	0.017	536.325	TRUE	9.26E-101
Non-allergic asthma	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	-0.013	0.022	0.557	0.002	65.062	TRUE	1.43E-13
Non-allergic asthma	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	0.033	0.023	0.157	0.002	72.603	TRUE	4.60E-14
Non-allergic asthma	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	-0.080	0.083	0.337	0.001	30.652	TRUE	1.02E-06
Non-allergic asthma	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	-0.063	0.033	0.058	0.013	411.836	TRUE	7.79E-76
Non-allergic asthma	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	0.044	0.092	0.629	0.003	81.876	TRUE	6.66E-17
Non-allergic asthma	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	0.064	0.044	0.147	0.019	624.240	TRUE	1.20E-116
Non-allergic asthma	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	-0.014	0.016	0.392	0.005	154.490	TRUE	3.98E-30
Non-allergic asthma	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	0.020	0.016	0.208	0.003	81.045	TRUE	8.43E-16
Non-allergic asthma	GSDMB	rs8071312	A	G	-0.170	0.025	0.031	6.03E-12	-0.089	0.055	0.108	0.001	47.318	TRUE	2.97E-09
Non-allergic asthma	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	-0.007	0.016	0.642	0.001	31.239	TRUE	3.31E-07
Non-allergic asthma	HPS6	rs1045232	C	T	-0.092	0.012	0.475	9.44E-15	0.010	0.016	0.525	0.002	60.006	TRUE	1.47E-12
Non-allergic asthma	HPS6	rs111496314	A	G	0.279	0.045	0.017	8.25E-10	-0.161	0.068	0.017	0.001	37.697	TRUE	6.43E-07
Non-allergic asthma	HPS6	rs113816538	C	T	0.268	0.031	0.039	2.01E-18	-0.034	0.034	0.323	0.002	76.680	TRUE	2.61E-15
Non-allergic asthma	HPS6	rs117027139	T	C	0.202	0.037	0.029	2.95E-08	-0.071	0.036	0.052	0.001	30.736	TRUE	4.99E-06
Non-allergic asthma	HPS6	rs12240453	A	C	0.193	0.030	0.042	6.16E-11	0.203	0.095	0.032	0.001	42.766	TRUE	5.54E-08
Non-allergic asthma	HPS6	rs12569597	C	T	-0.177	0.015	0.191	2.80E-32	0.021	0.023	0.368	0.004	139.888	TRUE	2.64E-27
Non-allergic asthma	HPS6	rs2025106	C	T	0.099	0.013	0.313	6.65E-15	-0.014	0.017	0.413	0.002	60.695	TRUE	1.70E-12
Non-allergic asthma	HPS6	rs61873996	A	G	0.264	0.031	0.037	3.10E-17	-0.059	0.040	0.136	0.002	71.273	TRUE	9.85E-14
Non-allergic asthma	HPS6	rs61874100	A	G	0.604	0.029	0.054	2.26E-99	-0.084	0.029	0.004	0.014	447.691	TRUE	9.23E-80
Non-allergic asthma	HPS6	rs61874825	C	G	0.125	0.013	0.306	1.28E-22	-0.045	0.017	0.007	0.003	95.779	TRUE	1.04E-16
Non-allergic asthma	HPS6	rs72844622	A	G	-0.130	0.022	0.080	3.04E-09	-0.039	0.032	0.222	0.001	35.156	TRUE	2.34E-07

Non-allergic asthma	HSPA1B	rs114419903	C	T	0.294	0.037	0.028	1.08E-15	0.029	0.056	0.602	0.002	64.271	TRUE	1.71E-13
Non-allergic asthma	HSPA1B	rs1144708	T	C	-0.216	0.012	0.375	3.58E-68	-0.048	0.016	0.002	0.010	304.406	TRUE	2.18E-53
Non-allergic asthma	HSPA1B	rs115128935	C	T	-0.450	0.072	0.018	3.33E-10	-0.078	0.067	0.240	0.001	39.469	TRUE	3.43E-08
Non-allergic asthma	HSPA1B	rs115379475	A	G	0.362	0.043	0.023	5.82E-17	-0.073	0.073	0.316	0.002	70.032	TRUE	4.75E-14
Non-allergic asthma	HSPA1B	rs115461385	T	C	0.195	0.030	0.057	1.46E-10	0.026	0.025	0.296	0.001	41.078	TRUE	1.34E-08
Non-allergic asthma	HSPA1B	rs115892464	T	C	-0.230	0.031	0.042	2.08E-13	-0.074	0.044	0.090	0.002	53.928	TRUE	2.28E-10
Non-allergic asthma	HSPA1B	rs116508221	T	C	-0.192	0.028	0.051	2.70E-12	-0.058	0.037	0.118	0.002	48.891	TRUE	1.40E-09
Non-allergic asthma	HSPA1B	rs117395472	T	G	0.573	0.078	0.014	2.01E-13	0.274	0.346	0.428	0.002	53.990	TRUE	2.94E-11
Non-allergic asthma	HSPA1B	rs1265099	G	A	-0.079	0.012	0.420	1.42E-10	-0.011	0.016	0.470	0.001	41.129	TRUE	6.89E-09
Non-allergic asthma	HSPA1B	rs150984561	A	G	0.125	0.021	0.092	2.86E-09	0.065	0.027	0.015	0.001	35.272	TRUE	1.82E-06
Non-allergic asthma	HSPA1B	rs2075798	A	C	-0.155	0.023	0.077	9.84E-12	-0.088	0.022	4.52E-05	0.001	46.357	TRUE	4.79E-07
Non-allergic asthma	HSPA1B	rs2252937	C	T	-0.134	0.017	0.161	3.22E-15	-0.090	0.020	8.17E-06	0.002	62.123	TRUE	3.31E-09
Non-allergic asthma	HSPA1B	rs2256974	A	C	-0.135	0.016	0.163	1.81E-16	0.003	0.020	0.894	0.002	67.795	TRUE	1.31E-14
Non-allergic asthma	HSPA1B	rs2394987	A	C	-0.124	0.018	0.127	2.10E-11	-0.019	0.025	0.450	0.001	44.868	TRUE	1.44E-09
Non-allergic asthma	HSPA1B	rs2523572	C	T	0.069	0.012	0.399	3.16E-08	-0.065	0.016	4.73E-05	0.001	30.605	TRUE	1.24E-04
Non-allergic asthma	HSPA1B	rs2763981	T	A	0.100	0.014	0.277	1.43E-13	0.020	0.018	0.257	0.002	54.662	TRUE	4.81E-11
Non-allergic asthma	HSPA1B	rs2857605	C	T	0.197	0.015	0.210	2.76E-40	0.008	0.019	0.649	0.006	176.527	TRUE	5.21E-35
Non-allergic asthma	HSPA1B	rs3087617	T	A	0.243	0.022	0.086	2.87E-29	-0.004	0.029	0.893	0.004	126.133	TRUE	6.85E-26
Non-allergic asthma	HSPA1B	rs4713555	T	G	-0.078	0.013	0.265	4.78E-09	-0.042	0.017	0.015	0.001	34.277	TRUE	2.76E-06
Non-allergic asthma	HSPA1B	rs481825	A	C	-0.413	0.027	0.051	5.04E-51	-0.085	0.041	0.039	0.007	225.736	TRUE	3.92E-41
Non-allergic asthma	HSPA1B	rs6922431	C	T	-0.159	0.022	0.081	8.01E-13	-0.044	0.035	0.213	0.002	51.276	TRUE	2.61E-10
Non-allergic asthma	HSPA1B	rs74434374	A	C	-0.401	0.030	0.043	3.70E-41	-0.036	0.043	0.412	0.006	180.526	TRUE	4.20E-35
Non-allergic asthma	HSPA1B	rs77874906	C	G	-0.327	0.025	0.061	1.09E-38	-0.042	0.034	0.219	0.005	169.213	TRUE	2.98E-32
Non-allergic asthma	HSPA1B	rs9266075	T	G	-0.129	0.013	0.360	3.75E-24	-0.050	0.016	0.001	0.003	102.772	TRUE	2.45E-17
Non-allergic asthma	HSPA1B	rs9271731	A	G	0.143	0.017	0.224	1.22E-16	-0.002	0.018	0.899	0.002	68.574	TRUE	9.12E-15
Non-allergic asthma	IL4R	rs11074848	A	G	0.077	0.011	0.150	9.69E-12	-0.018	0.025	0.477	0.001	46.387	TRUE	6.77E-10
Non-allergic asthma	IL4R	rs1110470	A	G	0.231	0.008	0.476	3.05E-189	-0.043	0.016	0.006	0.026	860.879	TRUE	1.22E-155
Non-allergic asthma	IL4R	rs113108794	A	C	0.213	0.024	0.036	8.75E-19	0.067	0.053	0.205	0.002	78.318	TRUE	2.75E-15
Non-allergic asthma	IL4R	rs113509770	T	C	0.161	0.028	0.025	1.02E-08	-0.027	0.054	0.617	0.001	32.801	TRUE	1.76E-07
Non-allergic asthma	IL4R	rs12448874	G	A	-0.064	0.009	0.256	3.73E-12	-0.003	0.019	0.889	0.002	48.260	TRUE	8.48E-11
Non-allergic asthma	IL4R	rs143202512	C	T	-0.189	0.031	0.022	1.08E-09	-0.106	0.061	0.083	0.001	37.171	TRUE	2.53E-07
Non-allergic asthma	IL4R	rs151293024	G	A	-0.187	0.032	0.018	5.73E-09	0.078	0.063	0.220	0.001	33.922	TRUE	3.99E-07
Non-allergic asthma	IL4R	rs17548726	A	G	0.179	0.031	0.023	8.93E-09	-0.061	0.043	0.161	0.001	33.058	TRUE	7.80E-07
Non-allergic asthma	IL4R	rs3024655	A	G	0.151	0.016	0.069	2.49E-21	-0.068	0.028	0.016	0.003	89.902	TRUE	5.07E-16
Non-allergic asthma	IL4R	rs3024690	T	C	0.150	0.025	0.030	1.37E-09	0.068	0.027	0.010	0.001	36.709	TRUE	1.32E-06
Non-allergic asthma	IL4R	rs4490008	C	T	0.072	0.012	0.216	3.90E-09	0.023	0.020	0.247	0.001	34.671	TRUE	2.56E-07
Non-allergic asthma	IL4R	rs4787947	G	T	-0.159	0.014	0.095	1.47E-31	-0.011	0.029	0.716	0.004	136.602	TRUE	1.54E-27
Non-allergic asthma	IL4R	rs56025418	G	A	0.057	0.009	0.325	2.77E-11	-0.038	0.017	0.028	0.001	44.331	TRUE	3.26E-08
Non-allergic asthma	IL4R	rs6498015	A	G	0.088	0.012	0.125	3.07E-13	-0.046	0.023	0.044	0.002	53.158	TRUE	6.24E-10
Non-allergic asthma	IL4R	rs72782369	T	A	-0.109	0.014	0.111	4.43E-15	0.007	0.025	0.774	0.002	61.494	TRUE	3.24E-13
Non-allergic asthma	IL4R	rs72782398	T	C	0.120	0.021	0.044	1.21E-08	0.005	0.045	0.905	0.001	32.476	TRUE	1.01E-07
Non-allergic asthma	IL4R	rs76320907	T	C	-0.173	0.028	0.025	7.39E-10	0.103	0.068	0.133	0.001	37.911	TRUE	1.23E-07

Non-allergic asthma	IL4R	rs78515451	A	G	-0.191	0.030	0.024	1.27E-10	-0.017	0.038	0.656	0.001	41.350	TRUE	3.57E-09
Non-allergic asthma	IL4R	rs9926551	C	T	0.089	0.008	0.442	2.91E-28	-0.035	0.016	0.029	0.004	121.534	TRUE	5.62E-22
Non-allergic asthma	IQGAP1	rs1104880	A	G	0.150	0.008	0.479	9.48E-81	0.018	0.016	0.250	0.011	362.147	TRUE	1.53E-68
Non-allergic asthma	IQGAP1	rs113291249	T	C	-0.353	0.061	0.011	8.90E-09	0.017	0.113	0.883	0.001	33.065	TRUE	8.17E-08
Non-allergic asthma	IQGAP1	rs113834429	G	T	-0.112	0.016	0.082	6.75E-13	-0.038	0.028	0.173	0.002	51.612	TRUE	2.93E-10
Non-allergic asthma	IQGAP1	rs1145325	G	A	-0.279	0.019	0.059	5.09E-49	-0.017	0.038	0.660	0.007	216.548	TRUE	1.15E-42
Non-allergic asthma	IQGAP1	rs11630272	C	A	0.169	0.009	0.312	9.40E-87	0.047	0.017	0.006	0.012	389.720	TRUE	1.55E-69
Non-allergic asthma	IQGAP1	rs116893096	G	A	-0.175	0.030	0.025	6.75E-09	-0.076	0.051	0.134	0.001	33.603	TRUE	7.32E-07
Non-allergic asthma	IQGAP1	rs117263174	T	C	-0.253	0.045	0.014	1.28E-08	-0.004	0.061	0.947	0.001	32.358	TRUE	9.69E-08
Non-allergic asthma	IQGAP1	rs117555778	T	C	0.351	0.027	0.023	1.15E-37	-0.009	0.036	0.804	0.005	164.527	TRUE	4.39E-33
Non-allergic asthma	IQGAP1	rs12595115	G	T	0.119	0.011	0.143	5.54E-26	-0.001	0.021	0.980	0.003	111.122	TRUE	3.73E-23
Non-allergic asthma	IQGAP1	rs12907173	G	T	-0.252	0.043	0.014	4.36E-09	-0.145	0.074	0.050	0.001	34.455	TRUE	1.14E-06
Non-allergic asthma	IQGAP1	rs12908178	A	G	-0.196	0.021	0.047	1.76E-20	-0.046	0.034	0.176	0.003	86.035	TRUE	1.30E-16
Non-allergic asthma	IQGAP1	rs12909724	C	T	0.131	0.008	0.392	1.82E-58	0.038	0.016	0.019	0.008	259.870	TRUE	8.47E-47
Non-allergic asthma	IQGAP1	rs12911824	G	A	-0.307	0.013	0.111	3.11E-132	-0.088	0.029	0.002	0.019	598.724	TRUE	9.37E-107
Non-allergic asthma	IQGAP1	rs12916467	T	C	0.088	0.012	0.117	1.52E-12	0.051	0.024	0.030	0.002	50.018	TRUE	3.12E-09
Non-allergic asthma	IQGAP1	rs138885023	A	G	0.404	0.039	0.015	1.07E-24	-0.011	0.060	0.853	0.003	105.257	TRUE	8.65E-22
Non-allergic asthma	IQGAP1	rs143314553	T	C	0.433	0.022	0.042	2.22E-87	0.079	0.044	0.071	0.012	392.603	TRUE	1.63E-72
Non-allergic asthma	IQGAP1	rs143798041	A	C	0.180	0.033	0.019	4.79E-08	0.048	0.061	0.433	0.001	29.799	TRUE	1.09E-06
Non-allergic asthma	IQGAP1	rs144790302	T	C	0.185	0.029	0.022	1.38E-10	0.040	0.057	0.485	0.001	41.196	TRUE	6.37E-09
Non-allergic asthma	IQGAP1	rs150458114	T	C	-0.302	0.037	0.017	1.30E-16	-0.035	0.040	0.381	0.002	68.442	TRUE	6.83E-14
Non-allergic asthma	IQGAP1	rs16944739	T	C	0.085	0.009	0.255	3.69E-20	0.003	0.020	0.886	0.003	84.576	TRUE	7.53E-18
Non-allergic asthma	IQGAP1	rs17246957	C	T	0.224	0.008	0.357	6.25E-164	0.008	0.017	0.646	0.023	744.469	TRUE	1.03E-142
Non-allergic asthma	IQGAP1	rs2589966	G	C	0.101	0.013	0.138	3.76E-15	0.010	0.022	0.669	0.002	61.820	TRUE	3.98E-13
Non-allergic asthma	IQGAP1	rs28385173	T	C	0.100	0.018	0.059	4.40E-08	0.034	0.030	0.254	0.001	29.961	TRUE	1.85E-06
Non-allergic asthma	IQGAP1	rs2970343	T	C	0.047	0.008	0.379	1.31E-08	0.013	0.016	0.418	0.001	32.319	TRUE	3.79E-07
Non-allergic asthma	IQGAP1	rs389480	A	G	0.063	0.008	0.456	3.93E-15	0.003	0.016	0.828	0.002	61.732	TRUE	2.45E-13
Non-allergic asthma	IQGAP1	rs56273424	T	C	0.078	0.010	0.198	4.04E-15	-0.009	0.019	0.647	0.002	61.678	TRUE	4.56E-13
Non-allergic asthma	IQGAP1	rs57921317	A	C	0.066	0.012	0.149	4.60E-08	0.005	0.021	0.813	0.001	29.875	TRUE	4.07E-07
Non-allergic asthma	IQGAP1	rs62025068	T	C	0.151	0.025	0.031	2.72E-09	0.000	0.046	0.995	0.001	35.374	TRUE	2.19E-08
Non-allergic asthma	IQGAP1	rs7161937	G	A	-0.250	0.011	0.180	1.56E-125	-0.014	0.021	0.502	0.018	567.928	TRUE	1.17E-108
Non-allergic asthma	IQGAP1	rs7183707	T	G	0.340	0.009	0.280	0.00E+00	0.021	0.019	0.265	0.046	1544.420	TRUE	5.28E-289
Non-allergic asthma	IQGAP1	rs72753646	A	C	0.135	0.025	0.031	3.58E-08	0.036	0.044	0.406	0.001	30.363	TRUE	9.25E-07
Non-allergic asthma	IQGAP1	rs72762371	G	A	-0.306	0.012	0.123	4.15E-142	-0.024	0.019	0.214	0.020	644.125	TRUE	4.63E-121
Non-allergic asthma	IQGAP1	rs7498065	T	C	0.120	0.010	0.601	1.51E-31	-0.004	0.016	0.797	0.004	136.539	TRUE	1.07E-27
Non-allergic asthma	IQGAP1	rs75240462	G	T	0.389	0.021	0.043	6.00E-76	0.018	0.041	0.657	0.011	340.101	TRUE	3.56E-66
Non-allergic asthma	IQGAP1	rs75261677	G	T	-0.186	0.025	0.028	1.76E-13	-0.041	0.046	0.378	0.002	54.251	TRUE	3.23E-11
Non-allergic asthma	IQGAP1	rs77547928	T	C	-0.206	0.030	0.022	1.29E-11	0.037	0.074	0.613	0.001	45.833	TRUE	5.57E-10
Non-allergic asthma	IQGAP1	rs8029553	A	G	0.261	0.010	0.293	4.79E-143	0.018	0.024	0.441	0.020	648.434	TRUE	1.71E-123
Non-allergic asthma	IREB2	rs1052035	C	T	-0.305	0.021	0.043	3.83E-46	0.085	0.054	0.111	0.006	203.364	TRUE	6.15E-38
Non-allergic asthma	IREB2	rs11072756	T	G	-0.080	0.009	0.304	6.33E-20	0.000	0.019	0.979	0.003	83.509	TRUE	8.61E-18
Non-allergic asthma	IREB2	rs112272197	T	C	-0.367	0.022	0.043	2.92E-64	-0.016	0.035	0.644	0.009	286.451	TRUE	6.32E-56

Non-allergic asthma	IREB2	rs113452494	C	G	0.093	0.014	0.089	4.27E-11	-0.020	0.031	0.520	0.001	43.483	TRUE	2.10E-09
Non-allergic asthma	IREB2	rs114642875	A	G	0.450	0.036	0.017	3.76E-35	-0.049	0.064	0.441	0.005	153.027	TRUE	5.39E-30
Non-allergic asthma	IREB2	rs11632223	C	T	-0.156	0.009	0.319	4.50E-73	0.006	0.017	0.738	0.010	326.901	TRUE	6.18E-64
Non-allergic asthma	IREB2	rs116871326	A	C	0.135	0.024	0.033	1.01E-08	-0.042	0.034	0.224	0.001	32.822	TRUE	6.24E-07
Non-allergic asthma	IREB2	rs116906910	C	A	0.258	0.046	0.014	1.86E-08	-0.060	0.089	0.502	0.001	31.636	TRUE	4.01E-07
Non-allergic asthma	IREB2	rs117034501	A	C	0.514	0.025	0.033	3.77E-96	-0.006	0.048	0.909	0.013	432.888	TRUE	9.66E-85
Non-allergic asthma	IREB2	rs117189732	T	C	-0.193	0.016	0.089	3.31E-34	0.044	0.026	0.091	0.005	148.704	TRUE	1.11E-27
Non-allergic asthma	IREB2	rs117986181	A	G	0.138	0.018	0.059	2.91E-14	0.006	0.033	0.863	0.002	57.790	TRUE	1.28E-12
Non-allergic asthma	IREB2	rs11853262	A	G	-0.045	0.008	0.480	1.69E-08	-0.016	0.016	0.299	0.001	31.821	TRUE	7.04E-07
Non-allergic asthma	IREB2	rs12442456	T	G	0.256	0.011	0.173	8.97E-128	-0.029	0.020	0.155	0.018	578.221	TRUE	3.69E-108
Non-allergic asthma	IREB2	rs139648962	A	G	0.194	0.025	0.035	5.73E-15	0.010	0.038	0.791	0.002	60.989	TRUE	3.83E-13
Non-allergic asthma	IREB2	rs141583333	T	C	0.274	0.040	0.017	5.90E-12	-0.067	0.058	0.247	0.001	47.359	TRUE	1.15E-09
Non-allergic asthma	IREB2	rs141607049	A	C	0.220	0.037	0.017	1.88E-09	-0.084	0.061	0.166	0.001	36.089	TRUE	2.12E-07
Non-allergic asthma	IREB2	rs142705205	A	G	0.204	0.034	0.019	3.33E-09	-0.083	0.042	0.049	0.001	34.976	TRUE	9.40E-07
Non-allergic asthma	IREB2	rs147760547	G	A	-0.233	0.040	0.018	4.00E-09	0.062	0.045	0.163	0.001	34.621	TRUE	3.99E-07
Non-allergic asthma	IREB2	rs28526814	C	T	0.201	0.010	0.230	8.05E-88	-0.020	0.018	0.263	0.012	394.624	TRUE	1.04E-74
Non-allergic asthma	IREB2	rs3813567	G	A	0.206	0.010	0.208	3.13E-94	-0.040	0.017	0.021	0.013	424.068	TRUE	5.55E-77
Non-allergic asthma	IREB2	rs3813577	C	T	0.052	0.009	0.339	1.16E-09	-0.005	0.016	0.754	0.001	37.030	TRUE	1.88E-08
Non-allergic asthma	IREB2	rs56227704	G	A	-0.153	0.008	0.388	4.97E-77	0.039	0.017	0.026	0.011	345.068	TRUE	1.17E-62
Non-allergic asthma	IREB2	rs61393924	C	G	0.089	0.009	0.260	7.90E-22	-0.017	0.017	0.312	0.003	92.177	TRUE	3.48E-18
Non-allergic asthma	IREB2	rs62010551	A	G	0.256	0.037	0.018	7.40E-12	0.016	0.044	0.715	0.001	46.917	TRUE	2.54E-10
Non-allergic asthma	IREB2	rs6495304	G	A	0.317	0.027	0.028	6.51E-33	-0.031	0.032	0.331	0.004	142.790	TRUE	9.81E-28
Non-allergic asthma	IREB2	rs7163689	C	T	0.046	0.008	0.485	8.08E-09	-0.031	0.016	0.048	0.001	33.254	TRUE	1.91E-06
Non-allergic asthma	IREB2	rs7183034	T	C	0.069	0.010	0.488	3.54E-12	0.001	0.016	0.966	0.002	48.361	TRUE	6.52E-11
Non-allergic asthma	IREB2	rs72736732	G	A	-0.110	0.016	0.069	4.68E-12	0.003	0.030	0.932	0.002	47.814	TRUE	9.17E-11
Non-allergic asthma	IREB2	rs72736802	T	A	-0.396	0.008	0.340	0.00E+00	0.047	0.017	0.005	0.065	2206.131	TRUE	0.00E+00
Non-allergic asthma	IREB2	rs72745113	A	G	-0.273	0.029	0.026	4.95E-21	-0.033	0.043	0.437	0.003	88.546	TRUE	8.43E-18
Non-allergic asthma	IREB2	rs74024464	A	G	0.170	0.018	0.055	4.30E-22	0.017	0.044	0.696	0.003	93.383	TRUE	3.18E-19
Non-allergic asthma	IREB2	rs75404371	A	G	0.270	0.030	0.023	8.84E-20	-0.031	0.041	0.451	0.003	82.849	TRUE	9.38E-17
Non-allergic asthma	IREB2	rs75430714	T	A	0.558	0.022	0.040	2.10E-138	-0.055	0.031	0.075	0.019	627.093	TRUE	4.69E-116
Non-allergic asthma	IREB2	rs75577625	T	C	-0.186	0.028	0.025	5.10E-11	0.010	0.051	0.843	0.001	43.136	TRUE	9.62E-10
Non-allergic asthma	IREB2	rs76426232	G	A	-0.184	0.033	0.018	2.11E-08	-0.047	0.080	0.559	0.001	31.385	TRUE	3.84E-07
Non-allergic asthma	IREB2	rs77802411	C	T	-0.399	0.024	0.035	3.71E-61	0.066	0.025	0.009	0.009	272.212	TRUE	1.69E-48
Non-allergic asthma	IREB2	rs78555828	A	C	0.497	0.018	0.052	4.28E-162	-0.001	0.037	0.975	0.023	736.030	TRUE	1.03E-142
Non-allergic asthma	IREB2	rs8036879	A	G	-0.068	0.009	0.332	1.29E-15	0.014	0.017	0.400	0.002	63.926	TRUE	4.43E-13
Non-allergic asthma	IREB2	rs8039661	T	C	0.059	0.009	0.417	2.92E-11	-0.011	0.016	0.476	0.001	44.225	TRUE	1.75E-09
Non-allergic asthma	IREB2	rs8043186	C	T	0.115	0.009	0.234	5.33E-34	-0.028	0.019	0.152	0.005	147.759	TRUE	6.38E-28
Non-allergic asthma	IRF1	rs11741255	A	G	0.080	0.008	0.384	1.62E-22	-0.074	0.017	1.40E-05	0.003	95.310	TRUE	1.13E-14
Non-allergic asthma	IRF1	rs2548994	T	C	0.046	0.008	0.348	4.12E-08	-0.039	0.017	0.023	0.001	30.090	TRUE	1.10E-05
Non-allergic asthma	IRF1	rs78686200	T	C	0.111	0.015	0.079	2.26E-13	-0.046	0.032	0.148	0.002	53.763	TRUE	1.41E-10
Non-allergic asthma	ITM2C	rs11555189	A	G	-0.063	0.011	0.211	2.06E-09	0.013	0.018	0.481	0.001	35.912	TRUE	6.52E-08
Non-allergic asthma	ITM2C	rs116469226	C	T	-0.334	0.028	0.023	7.00E-33	-0.061	0.041	0.131	0.004	142.645	TRUE	7.55E-27

Non-allergic asthma	ITM2C	rs142232562	C	A	0.385	0.023	0.036	4.53E-65	0.037	0.054	0.493	0.009	290.166	TRUE	4.07E-56
Non-allergic asthma	ITM2C	rs146982055	G	A	0.229	0.032	0.022	7.24E-13	0.031	0.058	0.594	0.002	51.475	TRUE	4.91E-11
Non-allergic asthma	ITM2C	rs149429607	T	C	-0.219	0.031	0.022	3.05E-12	-0.019	0.042	0.649	0.002	48.650	TRUE	1.43E-10
Non-allergic asthma	ITM2C	rs16827319	A	G	0.080	0.014	0.090	7.91E-09	-0.003	0.035	0.923	0.001	33.295	TRUE	6.69E-08
Non-allergic asthma	ITM2C	rs2466154	A	G	0.083	0.009	0.236	7.94E-19	0.001	0.018	0.945	0.002	78.509	TRUE	9.13E-17
Non-allergic asthma	ITM2C	rs3111750	T	C	0.132	0.016	0.064	4.83E-16	-0.017	0.032	0.594	0.002	65.862	TRUE	8.75E-14
Non-allergic asthma	ITM2C	rs3111784	G	A	-0.117	0.012	0.121	2.19E-21	-0.024	0.024	0.305	0.003	90.163	TRUE	8.65E-18
Non-allergic asthma	ITM2C	rs35873092	A	G	0.193	0.018	0.057	1.51E-25	-0.005	0.041	0.903	0.003	109.133	TRUE	1.25E-22
Non-allergic asthma	ITM2C	rs60237566	G	T	0.210	0.010	0.220	1.41E-106	-0.002	0.020	0.934	0.015	480.798	TRUE	5.66E-94
Non-allergic asthma	ITM2C	rs62195260	A	G	-0.197	0.027	0.024	3.97E-13	0.058	0.047	0.214	0.002	52.655	TRUE	1.44E-10
Non-allergic asthma	ITM2C	rs72993135	A	G	-0.069	0.011	0.146	1.35E-09	0.017	0.021	0.434	0.001	36.738	TRUE	5.27E-08
Non-allergic asthma	ITM2C	rs73992942	T	C	-0.327	0.032	0.020	1.05E-24	-0.178	0.165	0.280	0.003	105.294	TRUE	1.51E-20
Non-allergic asthma	ITM2C	rs73992967	A	G	-0.099	0.015	0.075	6.80E-11	0.005	0.027	0.855	0.001	42.573	TRUE	1.20E-09
Non-allergic asthma	ITM2C	rs7564278	G	T	-0.103	0.013	0.109	9.50E-16	0.011	0.026	0.679	0.002	64.528	TRUE	1.16E-13
Non-allergic asthma	ITM2C	rs77159514	G	A	-0.157	0.022	0.037	9.58E-13	-0.055	0.053	0.302	0.002	50.925	TRUE	1.90E-10
Non-allergic asthma	ITM2C	rs77402756	C	A	0.152	0.023	0.034	2.18E-11	-0.050	0.057	0.378	0.001	44.796	TRUE	1.94E-09
Non-allergic asthma	ITM2C	rs934822	A	G	-0.140	0.009	0.236	1.02E-50	-0.041	0.018	0.021	0.007	224.325	TRUE	2.12E-40
Non-allergic asthma	ITM2C	rs9808500	T	C	-0.355	0.011	0.149	3.37E-228	-0.053	0.022	0.017	0.032	1040.082	TRUE	6.62E-190
Non-allergic asthma	JAK3	rs3212797	T	C	-0.093	0.016	0.103	3.03E-09	-0.053	0.024	0.031	0.001	35.163	TRUE	1.19E-06
Non-allergic asthma	KDM1A	rs111250942	A	G	-0.735	0.083	0.016	6.00E-19	-0.148	0.096	0.121	0.002	79.063	TRUE	4.31E-15
Non-allergic asthma	KDM1A	rs67056484	T	C	-0.202	0.021	0.141	1.21E-21	-0.044	0.022	0.043	0.003	91.338	TRUE	9.46E-17
Non-allergic asthma	MAP1LC3B	rs10221075	T	G	-0.338	0.061	0.019	3.13E-08	-0.347	0.199	0.081	0.001	30.625	TRUE	3.79E-06
Non-allergic asthma	MAP1LC3B	rs116740819	C	T	-0.370	0.042	0.021	1.51E-18	0.058	0.054	0.277	0.002	77.234	TRUE	2.68E-15
Non-allergic asthma	MAP1LC3B	rs117653735	G	T	0.195	0.032	0.040	7.28E-10	-0.060	0.029	0.036	0.001	37.941	TRUE	3.54E-07
Non-allergic asthma	MAP1LC3B	rs12051223	A	G	-0.201	0.022	0.114	3.88E-20	0.019	0.021	0.386	0.003	84.477	TRUE	6.39E-17
Non-allergic asthma	MAP1LC3B	rs12918379	T	C	-0.073	0.013	0.296	1.95E-08	0.022	0.017	0.197	0.001	31.538	TRUE	1.22E-06
Non-allergic asthma	MAP1LC3B	rs141055621	A	G	0.355	0.060	0.015	4.25E-09	-0.197	0.194	0.309	0.001	34.504	TRUE	2.14E-07
Non-allergic asthma	MAP1LC3B	rs2277850	G	A	0.137	0.012	0.394	5.37E-30	-0.035	0.016	0.029	0.004	129.455	TRUE	2.06E-23
Non-allergic asthma	MAP1LC3B	rs28449447	A	G	-0.101	0.014	0.352	5.14E-13	0.000	0.016	0.985	0.002	52.147	TRUE	1.12E-11
Non-allergic asthma	MAP1LC3B	rs28607955	G	A	-0.799	0.026	0.053	2.59E-208	-0.024	0.048	0.614	0.029	948.607	TRUE	5.73E-181
Non-allergic asthma	MAP1LC3B	rs35674809	A	G	-0.280	0.031	0.053	1.09E-19	-0.002	0.035	0.962	0.003	82.434	TRUE	1.48E-17
Non-allergic asthma	MAP1LC3B	rs4359440	A	G	-0.201	0.017	0.139	5.55E-32	-0.010	0.026	0.699	0.004	138.534	TRUE	7.16E-28
Non-allergic asthma	MAP1LC3B	rs4843580	C	G	-0.094	0.014	0.230	2.03E-11	0.023	0.017	0.178	0.001	44.938	TRUE	4.73E-09
Non-allergic asthma	MAP1LC3B	rs4843598	C	A	-0.231	0.025	0.061	9.58E-21	-0.061	0.047	0.194	0.003	87.241	TRUE	6.70E-17
Non-allergic asthma	MAP1LC3B	rs4843667	G	A	-0.079	0.014	0.240	2.02E-08	-0.006	0.018	0.736	0.001	31.474	TRUE	2.37E-07
Non-allergic asthma	MAP1LC3B	rs56133944	T	C	0.149	0.025	0.059	4.39E-09	0.031	0.041	0.449	0.001	34.438	TRUE	1.37E-07
Non-allergic asthma	MAP1LC3B	rs58134308	C	T	-0.097	0.012	0.457	4.79E-16	0.008	0.016	0.616	0.002	65.879	TRUE	7.99E-14
Non-allergic asthma	MAP1LC3B	rs71390902	C	T	-0.158	0.021	0.088	1.82E-13	0.021	0.024	0.395	0.002	54.184	TRUE	3.10E-11
Non-allergic asthma	MAP1LC3B	rs77019223	G	A	0.249	0.026	0.076	2.38E-21	-0.036	0.029	0.208	0.003	89.994	TRUE	1.84E-17
Non-allergic asthma	MAP1LC3B	rs77615431	C	T	0.216	0.028	0.071	6.80E-15	0.005	0.032	0.887	0.002	60.652	TRUE	3.29E-13
Non-allergic asthma	MAP1LC3B	rs77684320	T	G	-0.376	0.054	0.017	2.89E-12	-0.043	0.133	0.744	0.002	48.762	TRUE	1.03E-10
Non-allergic asthma	MAP1LC3B	rs77911937	C	T	-0.243	0.043	0.024	1.14E-08	-0.030	0.047	0.514	0.001	32.581	TRUE	2.56E-07

Non-allergic asthma	MAP1LC3B	rs80157344	G	A	-0.552	0.076	0.013	3.35E-13	-0.055	0.135	0.682	0.002	52.989	TRUE	1.89E-11
Non-allergic asthma	MAP1LC3B	rs8051861	A	G	0.101	0.015	0.208	3.01E-11	0.001	0.020	0.947	0.001	44.170	TRUE	4.56E-10
Non-allergic asthma	MAP1LC3B	rs8059509	T	C	-0.379	0.022	0.078	1.16E-67	0.044	0.022	0.047	0.009	302.059	TRUE	2.48E-55
Non-allergic asthma	MAP1LC3B	rs862225	T	C	0.142	0.023	0.075	4.15E-10	-0.001	0.034	0.987	0.001	39.040	TRUE	4.20E-09
Non-allergic asthma	MAPK3	rs1050881	T	C	0.147	0.015	0.083	5.50E-22	-0.042	0.028	0.126	0.003	92.894	TRUE	1.18E-17
Non-allergic asthma	MAPK3	rs112294239	T	C	-0.300	0.019	0.052	6.05E-59	0.014	0.030	0.634	0.008	262.061	TRUE	2.96E-51
Non-allergic asthma	MAPK3	rs113199118	A	G	-0.134	0.024	0.032	1.79E-08	0.056	0.048	0.242	0.001	31.708	TRUE	9.27E-07
Non-allergic asthma	MAPK3	rs11648675	C	T	-0.087	0.010	0.307	5.26E-18	0.054	0.017	0.001	0.002	74.776	TRUE	1.93E-12
Non-allergic asthma	MAPK3	rs117210898	T	C	-0.225	0.020	0.049	3.71E-29	0.024	0.026	0.352	0.004	125.621	TRUE	1.42E-24
Non-allergic asthma	MAPK3	rs117391625	T	C	-0.160	0.015	0.081	1.34E-25	0.010	0.030	0.741	0.003	109.377	TRUE	2.26E-22
Non-allergic asthma	MAPK3	rs117548034	G	A	-0.247	0.029	0.025	2.85E-17	0.006	0.044	0.885	0.002	71.438	TRUE	2.65E-15
Non-allergic asthma	MAPK3	rs11859842	T	C	0.121	0.008	0.515	2.67E-52	0.017	0.016	0.278	0.007	231.584	TRUE	3.36E-44
Non-allergic asthma	MAPK3	rs12102367	T	C	0.128	0.013	0.110	2.07E-23	-0.029	0.030	0.336	0.003	99.382	TRUE	1.34E-19
Non-allergic asthma	MAPK3	rs139148055	T	C	-0.370	0.046	0.017	4.59E-16	-0.030	0.035	0.398	0.002	65.963	TRUE	1.85E-13
Non-allergic asthma	MAPK3	rs141162502	T	C	0.259	0.041	0.019	2.55E-10	-0.062	0.036	0.088	0.001	39.988	TRUE	7.57E-08
Non-allergic asthma	MAPK3	rs141989501	C	G	0.208	0.036	0.017	6.00E-09	0.032	0.068	0.633	0.001	33.833	TRUE	1.07E-07
Non-allergic asthma	MAPK3	rs142097700	A	G	0.284	0.041	0.014	7.52E-12	0.000	0.042	0.992	0.001	46.884	TRUE	1.18E-10
Non-allergic asthma	MAPK3	rs143242484	T	C	0.466	0.023	0.040	9.64E-95	0.031	0.031	0.317	0.013	426.420	TRUE	5.25E-81
Non-allergic asthma	MAPK3	rs146414244	T	C	-0.158	0.027	0.030	5.37E-09	-0.048	0.025	0.056	0.001	34.050	TRUE	1.24E-06
Non-allergic asthma	MAPK3	rs147553474	C	T	0.425	0.025	0.037	2.95E-67	-0.044	0.032	0.174	0.009	300.200	TRUE	1.95E-56
Non-allergic asthma	MAPK3	rs147785243	G	A	0.243	0.040	0.026	1.62E-09	0.064	0.086	0.455	0.001	36.385	TRUE	5.75E-08
Non-allergic asthma	MAPK3	rs148266117	G	A	0.218	0.034	0.026	2.26E-10	0.047	0.046	0.303	0.001	40.223	TRUE	1.88E-08
Non-allergic asthma	MAPK3	rs149522395	G	A	0.333	0.060	0.016	3.60E-08	-0.002	0.074	0.978	0.001	30.354	TRUE	2.25E-07
Non-allergic asthma	MAPK3	rs149774427	A	G	-0.335	0.039	0.017	1.13E-17	-0.096	0.077	0.212	0.002	73.266	TRUE	2.25E-14
Non-allergic asthma	MAPK3	rs149918713	T	C	0.252	0.045	0.021	1.64E-08	0.015	0.073	0.836	0.001	31.878	TRUE	1.56E-07
Non-allergic asthma	MAPK3	rs150773264	A	G	0.252	0.017	0.062	7.19E-52	-0.145	0.041	4.14E-04	0.007	229.610	TRUE	5.57E-39
Non-allergic asthma	MAPK3	rs189384733	A	G	0.501	0.066	0.016	3.14E-14	-0.086	0.068	0.208	0.002	57.644	TRUE	1.79E-11
Non-allergic asthma	MAPK3	rs193301319	T	C	-0.218	0.036	0.016	2.07E-09	0.055	0.065	0.398	0.001	35.906	TRUE	8.52E-08
Non-allergic asthma	MAPK3	rs2003857	A	G	-0.134	0.021	0.055	1.06E-10	0.042	0.045	0.347	0.001	41.698	TRUE	8.34E-09
Non-allergic asthma	MAPK3	rs235645	A	G	0.075	0.010	0.489	1.16E-13	-0.035	0.016	0.027	0.002	55.079	TRUE	4.33E-10
Non-allergic asthma	MAPK3	rs3087439	T	C	-0.250	0.016	0.074	2.27E-58	-0.022	0.031	0.480	0.008	259.425	TRUE	3.00E-50
Non-allergic asthma	MAPK3	rs34640030	A	G	-0.223	0.029	0.023	2.81E-14	-0.032	0.066	0.625	0.002	57.860	TRUE	2.66E-12
Non-allergic asthma	MAPK3	rs34679599	T	C	-0.408	0.017	0.071	7.53E-134	0.034	0.041	0.402	0.019	606.155	TRUE	2.61E-115
Non-allergic asthma	MAPK3	rs34843513	G	A	0.318	0.024	0.034	5.58E-40	-0.006	0.033	0.861	0.005	175.127	TRUE	3.00E-35
Non-allergic asthma	MAPK3	rs35388821	G	A	-0.070	0.012	0.150	6.70E-09	0.006	0.023	0.808	0.001	33.617	TRUE	7.61E-08
Non-allergic asthma	MAPK3	rs35478648	G	T	-0.369	0.017	0.069	7.64E-105	0.004	0.031	0.896	0.015	472.831	TRUE	2.59E-92
Non-allergic asthma	MAPK3	rs4243233	G	A	0.065	0.008	0.445	5.81E-16	0.002	0.016	0.923	0.002	65.496	TRUE	3.34E-14
Non-allergic asthma	MAPK3	rs4471699	T	G	-0.375	0.008	0.435	0.00E+00	0.042	0.016	0.008	0.067	2272.880	TRUE	0.00E+00
Non-allergic asthma	MAPK3	rs4548895	G	A	0.411	0.008	0.413	0.00E+00	-0.019	0.016	0.229	0.074	2537.621	TRUE	0.00E+00
Non-allergic asthma	MAPK3	rs4787482	T	G	-0.187	0.009	0.305	1.81E-88	0.018	0.017	0.292	0.012	397.601	TRUE	1.90E-75
Non-allergic asthma	MAPK3	rs55680039	G	T	-0.506	0.024	0.036	5.76E-102	0.017	0.031	0.587	0.014	459.611	TRUE	1.40E-88
Non-allergic asthma	MAPK3	rs56000057	C	G	0.174	0.030	0.027	7.23E-09	-0.075	0.056	0.175	0.001	33.471	TRUE	6.08E-07

Non-allergic asthma	MAPK3	rs56329348	A	G	0.493	0.026	0.031	1.86E-79	0.034	0.051	0.512	0.011	356.212	TRUE	1.08E-68
Non-allergic asthma	MAPK3	rs56353063	C	G	-0.145	0.010	0.227	2.73E-51	-0.015	0.020	0.450	0.007	226.959	TRUE	5.30E-44
Non-allergic asthma	MAPK3	rs59650907	A	G	0.070	0.012	0.176	1.54E-09	-0.017	0.019	0.381	0.001	36.477	TRUE	7.05E-08
Non-allergic asthma	MAPK3	rs62055389	G	T	0.426	0.018	0.063	2.25E-124	0.003	0.032	0.922	0.017	562.592	TRUE	1.63E-109
Non-allergic asthma	MAPK3	rs67693285	G	T	-0.130	0.008	0.481	5.23E-59	0.016	0.016	0.303	0.008	262.350	TRUE	4.33E-50
Non-allergic asthma	MAPK3	rs7190269	A	C	0.186	0.009	0.310	8.40E-103	0.023	0.017	0.183	0.014	463.449	TRUE	5.27E-87
Non-allergic asthma	MAPK3	rs7205394	A	C	-0.186	0.013	0.363	2.40E-49	0.062	0.052	0.234	0.007	218.044	TRUE	1.90E-41
Non-allergic asthma	MAPK3	rs72791208	T	C	0.418	0.027	0.027	1.39E-53	0.050	0.038	0.189	0.007	237.466	TRUE	7.92E-45
Non-allergic asthma	MAPK3	rs73534263	G	A	0.117	0.011	0.162	1.41E-24	-0.080	0.028	0.004	0.003	104.704	TRUE	4.26E-18
Non-allergic asthma	MAPK3	rs74776661	A	C	-0.257	0.036	0.018	8.53E-13	0.089	0.138	0.517	0.002	51.154	TRUE	7.33E-11
Non-allergic asthma	MAPK3	rs77250249	A	G	0.351	0.052	0.015	2.05E-11	0.168	0.159	0.292	0.001	44.919	TRUE	2.62E-09
Non-allergic asthma	MAPK3	rs77871165	C	T	0.457	0.032	0.020	1.33E-46	-0.056	0.055	0.303	0.006	205.468	TRUE	2.08E-39
Non-allergic asthma	MAPK3	rs80273739	G	A	-0.404	0.026	0.030	3.44E-56	0.028	0.061	0.649	0.008	249.423	TRUE	6.74E-49
Non-allergic asthma	MAPK3	rs8047140	T	C	0.149	0.012	0.145	3.13E-36	-0.009	0.021	0.664	0.005	157.963	TRUE	1.67E-31
Non-allergic asthma	MAPK3	rs873623	T	C	-0.084	0.010	0.232	2.36E-18	-0.026	0.018	0.139	0.002	76.362	TRUE	1.12E-14
Non-allergic asthma	MAPK3	rs9796793	A	G	0.284	0.016	0.073	1.15E-68	-0.041	0.025	0.102	0.010	306.667	TRUE	5.39E-57
Non-allergic asthma	MEFV	rs1076572	A	G	-0.087	0.010	0.280	8.77E-19	0.053	0.017	0.002	0.002	78.314	TRUE	2.71E-13
Non-allergic asthma	MEFV	rs113492576	T	C	0.350	0.054	0.016	7.27E-11	-0.013	0.065	0.839	0.001	42.443	TRUE	1.33E-09
Non-allergic asthma	MEFV	rs11466011	T	C	0.231	0.030	0.024	6.88E-15	-0.016	0.050	0.740	0.002	60.627	TRUE	5.32E-13
Non-allergic asthma	MEFV	rs11466021	G	A	-0.273	0.035	0.017	4.19E-15	0.031	0.066	0.635	0.002	61.606	TRUE	4.92E-13
Non-allergic asthma	MEFV	rs117066731	A	G	0.450	0.061	0.014	1.66E-13	-0.063	0.066	0.342	0.002	54.370	TRUE	3.59E-11
Non-allergic asthma	MEFV	rs117450234	G	T	-0.318	0.028	0.025	6.66E-29	0.020	0.044	0.656	0.004	124.457	TRUE	4.33E-25
Non-allergic asthma	MEFV	rs117489415	G	A	-0.209	0.038	0.016	4.93E-08	0.025	0.040	0.531	0.001	29.742	TRUE	8.53E-07
Non-allergic asthma	MEFV	rs146916510	A	G	0.245	0.043	0.022	1.39E-08	0.004	0.040	0.929	0.001	32.206	TRUE	1.08E-07
Non-allergic asthma	MEFV	rs2075852	C	T	-0.301	0.008	0.478	0.00E+00	0.041	0.016	0.010	0.045	1495.523	TRUE	2.46E-272
Non-allergic asthma	MEFV	rs224176	G	A	-0.172	0.015	0.077	2.37E-30	-0.021	0.026	0.427	0.004	131.081	TRUE	8.21E-26
Non-allergic asthma	MEFV	rs224235	A	G	0.337	0.021	0.048	4.26E-57	-0.074	0.034	0.028	0.008	253.585	TRUE	5.56E-46
Non-allergic asthma	MEFV	rs382073	T	G	0.057	0.008	0.406	2.58E-12	0.025	0.016	0.109	0.002	48.980	TRUE	1.47E-09
Non-allergic asthma	MEFV	rs45532536	T	G	0.138	0.023	0.037	3.33E-09	0.016	0.043	0.702	0.001	34.978	TRUE	5.38E-08
Non-allergic asthma	MEFV	rs55877753	A	C	0.360	0.028	0.028	2.17E-38	-0.029	0.033	0.387	0.005	167.848	TRUE	1.24E-32
Non-allergic asthma	MEFV	rs61731422	T	C	0.291	0.024	0.034	1.04E-32	-0.020	0.040	0.619	0.004	141.853	TRUE	2.52E-28
Non-allergic asthma	MEFV	rs7201625	G	T	0.181	0.016	0.065	1.88E-29	-0.048	0.047	0.305	0.004	126.973	TRUE	1.10E-24
Non-allergic asthma	MEFV	rs76749769	T	C	-0.249	0.015	0.081	5.38E-65	0.003	0.031	0.934	0.009	289.823	TRUE	1.87E-57
Non-allergic asthma	MEFV	rs8052002	C	G	0.058	0.011	0.242	4.52E-08	0.016	0.017	0.353	0.001	29.910	TRUE	1.33E-06
Non-allergic asthma	MMP9	rs117191103	T	C	0.201	0.035	0.017	7.79E-09	-0.037	0.047	0.437	0.001	33.326	TRUE	2.31E-07
Non-allergic asthma	MMP9	rs13925	A	G	0.238	0.011	0.148	2.57E-102	-0.052	0.021	0.014	0.014	461.223	TRUE	2.14E-83
Non-allergic asthma	MMP9	rs148773337	A	C	0.193	0.028	0.025	3.09E-12	-0.128	0.058	0.029	0.002	48.625	TRUE	5.66E-09
Non-allergic asthma	MMP9	rs16990951	A	T	-0.081	0.012	0.123	2.64E-11	0.004	0.024	0.871	0.001	44.427	TRUE	4.99E-10
Non-allergic asthma	MMP9	rs1805088	T	C	-0.275	0.030	0.019	4.19E-20	0.100	0.058	0.086	0.003	84.322	TRUE	7.39E-16
Non-allergic asthma	MMP9	rs6073995	A	G	-0.110	0.008	0.361	2.84E-40	-0.028	0.016	0.083	0.006	176.469	TRUE	1.02E-32
Non-allergic asthma	MMP9	rs6074044	T	C	-0.074	0.012	0.125	5.28E-10	0.005	0.025	0.853	0.001	38.569	TRUE	7.31E-09
Non-allergic asthma	MMP9	rs6094239	G	A	-0.191	0.017	0.058	2.73E-29	-0.017	0.030	0.567	0.004	126.225	TRUE	3.12E-25

Non-allergic asthma	MMP9	rs6104500	C	T	-0.084	0.015	0.083	1.07E-08	-0.003	0.028	0.918	0.001	32.703	TRUE	8.86E-08
Non-allergic asthma	MMP9	rs75193673	T	C	0.209	0.031	0.019	3.07E-11	0.003	0.042	0.936	0.001	44.132	TRUE	4.78E-10
Non-allergic asthma	MMP9	rs77797882	G	A	0.230	0.032	0.025	3.66E-13	-0.071	0.047	0.129	0.002	52.812	TRUE	2.47E-10
Non-allergic asthma	MTMR9	rs10108050	C	T	0.228	0.021	0.037	6.97E-27	-0.025	0.067	0.708	0.004	115.233	TRUE	1.97E-23
Non-allergic asthma	MTMR9	rs1036383	G	C	0.196	0.019	0.045	1.54E-24	0.048	0.026	0.071	0.003	104.532	TRUE	1.99E-19
Non-allergic asthma	MTMR9	rs11250172	G	T	0.071	0.010	0.457	1.34E-12	0.070	0.017	2.99E-05	0.002	50.262	TRUE	1.39E-07
Non-allergic asthma	MTMR9	rs2245257	C	T	0.140	0.010	0.218	6.96E-48	0.050	0.020	0.010	0.007	211.339	TRUE	1.52E-37
Non-allergic asthma	MTMR9	rs2572375	T	C	-0.084	0.009	0.308	5.03E-22	-0.049	0.017	0.005	0.003	93.070	TRUE	4.47E-16
Non-allergic asthma	MTMR9	rs2618479	A	G	0.058	0.010	0.180	1.90E-08	0.057	0.018	0.001	0.001	31.589	TRUE	2.64E-05
Non-allergic asthma	MTMR9	rs78389655	T	G	-0.093	0.014	0.089	4.12E-11	-0.026	0.030	0.391	0.001	43.552	TRUE	3.16E-09
Non-allergic asthma	MYH9	rs11089787	G	C	-0.251	0.010	0.183	4.12E-131	-0.048	0.019	0.013	0.018	593.560	TRUE	1.48E-107
Non-allergic asthma	MYH9	rs136208	A	G	-0.085	0.010	0.229	1.57E-17	0.006	0.019	0.741	0.002	72.620	TRUE	2.60E-15
Non-allergic asthma	MYH9	rs5756162	T	C	-0.113	0.011	0.238	7.23E-24	-0.014	0.022	0.529	0.003	101.471	TRUE	1.91E-20
Non-allergic asthma	MYH9	rs7078	G	A	0.156	0.009	0.277	3.76E-63	0.007	0.018	0.712	0.009	281.364	TRUE	3.58E-55
Non-allergic asthma	MYH9	rs73167667	G	A	0.128	0.014	0.089	4.22E-20	-0.055	0.024	0.025	0.003	84.307	TRUE	3.14E-15
Non-allergic asthma	NBN	rs113136847	G	A	0.241	0.039	0.015	9.83E-10	-0.105	0.075	0.161	0.001	37.357	TRUE	1.29E-07
Non-allergic asthma	NBN	rs113564072	G	A	0.197	0.035	0.020	2.41E-08	0.073	0.092	0.424	0.001	31.132	TRUE	6.25E-07
Non-allergic asthma	NBN	rs116877427	A	G	-0.235	0.020	0.046	1.76E-31	0.017	0.032	0.591	0.004	136.246	TRUE	3.41E-27
Non-allergic asthma	NBN	rs117462290	G	A	-0.268	0.026	0.030	1.89E-25	0.035	0.039	0.379	0.003	108.687	TRUE	1.85E-21
Non-allergic asthma	NBN	rs117675429	A	G	-0.149	0.020	0.046	4.14E-13	0.060	0.036	0.093	0.002	52.571	TRUE	3.88E-10
Non-allergic asthma	NBN	rs117951399	C	T	-0.253	0.044	0.013	9.21E-09	0.267	0.083	0.001	0.001	32.998	TRUE	1.55E-05
Non-allergic asthma	NBN	rs118046989	A	C	-0.154	0.027	0.027	8.37E-09	0.099	0.048	0.039	0.001	33.185	TRUE	2.27E-06
Non-allergic asthma	NBN	rs11998540	T	A	0.062	0.009	0.306	4.69E-11	-0.021	0.017	0.216	0.001	43.299	TRUE	7.58E-09
Non-allergic asthma	NBN	rs1235369	G	A	0.198	0.023	0.039	2.09E-18	0.038	0.035	0.277	0.002	76.596	TRUE	3.53E-15
Non-allergic asthma	NBN	rs1235386	T	C	0.075	0.009	0.394	2.37E-18	-0.028	0.016	0.088	0.002	76.351	TRUE	2.03E-14
Non-allergic asthma	NBN	rs12675931	C	T	-0.051	0.009	0.272	4.44E-08	-0.016	0.017	0.335	0.001	29.945	TRUE	1.39E-06
Non-allergic asthma	NBN	rs13253573	T	G	-0.261	0.022	0.041	9.56E-34	-0.038	0.038	0.316	0.005	146.599	TRUE	2.12E-28
Non-allergic asthma	NBN	rs13255025	T	C	0.172	0.031	0.021	1.65E-08	0.101	0.067	0.130	0.001	31.871	TRUE	1.55E-06
Non-allergic asthma	NBN	rs13312840	G	A	-0.264	0.014	0.088	3.88E-80	0.041	0.025	0.100	0.011	359.335	TRUE	9.35E-67
Non-allergic asthma	NBN	rs13312948	A	G	0.173	0.024	0.035	9.98E-13	-0.044	0.034	0.202	0.002	50.846	TRUE	3.35E-10
Non-allergic asthma	NBN	rs1397310	G	A	0.089	0.016	0.065	3.65E-08	0.013	0.023	0.562	0.001	30.327	TRUE	6.08E-07
Non-allergic asthma	NBN	rs150055261	T	G	-0.366	0.039	0.014	2.16E-21	0.024	0.062	0.697	0.003	90.184	TRUE	1.30E-18
Non-allergic asthma	NBN	rs16900017	A	C	-0.229	0.024	0.028	1.80E-21	-0.038	0.045	0.390	0.003	90.553	TRUE	4.50E-18
Non-allergic asthma	NBN	rs16901238	C	T	-0.223	0.014	0.090	1.03E-58	0.020	0.030	0.497	0.008	260.995	TRUE	1.32E-50
Non-allergic asthma	NBN	rs2246157	A	T	-0.344	0.008	0.385	0.00E+00	0.033	0.016	0.041	0.056	1870.948	TRUE	0.00E+00
Non-allergic asthma	NBN	rs2665636	T	C	-0.076	0.009	0.280	1.04E-16	0.015	0.018	0.388	0.002	68.889	TRUE	5.45E-14
Non-allergic asthma	NBN	rs28371401	C	T	-0.141	0.022	0.038	1.21E-10	0.077	0.088	0.377	0.001	41.445	TRUE	8.30E-09
Non-allergic asthma	NBN	rs34177661	T	C	-0.127	0.012	0.120	6.77E-25	0.019	0.022	0.395	0.003	106.163	TRUE	5.01E-21
Non-allergic asthma	NBN	rs39517	C	T	0.125	0.008	0.436	3.76E-55	0.009	0.016	0.565	0.008	244.662	TRUE	9.85E-48
Non-allergic asthma	NBN	rs419181	A	G	0.164	0.024	0.031	1.09E-11	0.080	0.051	0.117	0.001	46.150	TRUE	4.46E-09
Non-allergic asthma	NBN	rs447768	T	G	0.233	0.038	0.015	6.46E-10	-0.007	0.052	0.886	0.001	38.175	TRUE	8.04E-09
Non-allergic asthma	NBN	rs6470522	A	G	0.159	0.011	0.171	1.75E-47	-0.022	0.021	0.297	0.007	209.501	TRUE	3.88E-40

Non-allergic asthma	NBN	rs6994103	C	T	-0.170	0.008	0.350	1.17E-91	-0.013	0.016	0.433	0.013	412.250	TRUE	6.09E-79
Non-allergic asthma	NBN	rs72669912	C	A	-0.157	0.015	0.083	2.33E-26	0.005	0.026	0.834	0.004	112.837	TRUE	3.25E-23
Non-allergic asthma	NBN	rs74827774	A	G	0.116	0.021	0.040	1.38E-08	-0.025	0.031	0.419	0.001	32.210	TRUE	3.97E-07
Non-allergic asthma	NBN	rs74910267	C	T	0.089	0.012	0.131	1.00E-12	-0.001	0.024	0.969	0.002	50.837	TRUE	2.11E-11
Non-allergic asthma	NBN	rs75668032	T	C	0.166	0.014	0.090	2.09E-31	-0.047	0.028	0.089	0.004	135.901	TRUE	2.63E-25
Non-allergic asthma	NBN	rs78018790	C	T	0.146	0.022	0.037	2.21E-11	-0.080	0.040	0.042	0.001	44.769	TRUE	1.98E-08
Non-allergic asthma	NBN	rs79982630	G	A	0.169	0.020	0.051	6.07E-17	-0.015	0.039	0.706	0.002	69.949	TRUE	9.60E-15
Non-allergic asthma	NBN	rs80268568	G	A	0.198	0.026	0.031	1.84E-14	0.006	0.039	0.878	0.002	58.690	TRUE	8.12E-13
Non-allergic asthma	NR4A2	rs297588	A	G	-0.089	0.009	0.288	3.61E-24	0.040	0.016	0.015	0.003	102.846	TRUE	2.68E-18
Non-allergic asthma	NR4A2	rs298244	C	T	0.070	0.009	0.237	8.74E-14	0.001	0.018	0.970	0.002	55.627	TRUE	2.43E-12
Non-allergic asthma	ORMDL3	rs1009727	A	G	-0.056	0.009	0.305	1.48E-10	0.004	0.017	0.837	0.001	41.052	TRUE	2.49E-09
Non-allergic asthma	ORMDL3	rs10305287	C	A	-0.299	0.042	0.016	1.66E-12	-0.120	0.062	0.054	0.002	49.852	TRUE	2.00E-09
Non-allergic asthma	ORMDL3	rs10305295	G	T	0.184	0.022	0.038	2.93E-17	0.016	0.058	0.785	0.002	71.384	TRUE	3.84E-15
Non-allergic asthma	ORMDL3	rs11078892	T	C	0.075	0.010	0.473	5.24E-14	-0.001	0.016	0.971	0.002	56.634	TRUE	1.54E-12
Non-allergic asthma	ORMDL3	rs11078916	T	C	0.340	0.009	0.291	0.00E+00	0.023	0.018	0.196	0.048	1587.200	TRUE	5.99E-296
Non-allergic asthma	ORMDL3	rs11079074	T	C	-0.088	0.008	0.440	5.23E-28	0.004	0.016	0.814	0.004	120.368	TRUE	1.26E-24
Non-allergic asthma	ORMDL3	rs112433793	G	A	0.097	0.013	0.135	1.00E-14	0.001	0.021	0.947	0.002	59.888	TRUE	3.82E-13
Non-allergic asthma	ORMDL3	rs113235009	G	T	-0.097	0.015	0.076	1.23E-10	-0.035	0.028	0.201	0.001	41.412	TRUE	1.83E-08
Non-allergic asthma	ORMDL3	rs113557550	T	C	0.143	0.019	0.050	1.16E-13	0.013	0.032	0.690	0.002	55.065	TRUE	7.37E-12
Non-allergic asthma	ORMDL3	rs113930796	C	T	0.428	0.025	0.030	3.00E-64	-0.021	0.042	0.617	0.009	286.397	TRUE	7.89E-56
Non-allergic asthma	ORMDL3	rs11652139	G	A	-0.353	0.008	0.403	0.00E+00	-0.046	0.016	0.004	0.059	1979.006	TRUE	0.00E+00
Non-allergic asthma	ORMDL3	rs11653687	G	T	-0.070	0.012	0.369	2.46E-09	0.012	0.016	0.461	0.001	35.570	TRUE	8.05E-08
Non-allergic asthma	ORMDL3	rs117270499	G	A	-0.468	0.030	0.024	2.91E-54	-0.061	0.040	0.131	0.008	240.582	TRUE	5.33E-45
Non-allergic asthma	ORMDL3	rs117302117	T	C	-0.192	0.034	0.017	1.72E-08	-0.020	0.064	0.757	0.001	31.783	TRUE	1.96E-07
Non-allergic asthma	ORMDL3	rs117362920	C	A	0.404	0.030	0.023	1.89E-41	-0.027	0.038	0.480	0.006	181.860	TRUE	1.46E-35
Non-allergic asthma	ORMDL3	rs117504211	C	A	-0.391	0.017	0.068	6.33E-114	-0.036	0.025	0.149	0.016	514.569	TRUE	3.26E-96
Non-allergic asthma	ORMDL3	rs117620922	G	A	0.278	0.029	0.026	6.60E-22	0.034	0.043	0.427	0.003	92.535	TRUE	1.57E-18
Non-allergic asthma	ORMDL3	rs118017471	A	G	0.492	0.032	0.021	8.81E-53	0.015	0.063	0.815	0.007	233.793	TRUE	2.20E-46
Non-allergic asthma	ORMDL3	rs118034841	T	C	-0.689	0.034	0.021	2.61E-91	0.040	0.061	0.515	0.013	410.652	TRUE	5.25E-79
Non-allergic asthma	ORMDL3	rs118036166	G	A	0.399	0.034	0.018	1.47E-31	0.078	0.111	0.483	0.004	136.600	TRUE	5.32E-27
Non-allergic asthma	ORMDL3	rs118082529	T	C	0.275	0.050	0.016	4.88E-08	0.060	0.060	0.321	0.001	29.764	TRUE	1.58E-06
Non-allergic asthma	ORMDL3	rs118132312	G	A	-0.417	0.044	0.016	3.41E-21	-0.005	0.058	0.928	0.003	89.286	TRUE	7.87E-19
Non-allergic asthma	ORMDL3	rs11868060	G	A	-0.379	0.029	0.027	1.77E-38	-0.103	0.067	0.125	0.005	168.252	TRUE	1.51E-31
Non-allergic asthma	ORMDL3	rs11871317	G	C	-0.237	0.010	0.243	1.21E-120	-0.020	0.017	0.240	0.017	545.451	TRUE	8.05E-103
Non-allergic asthma	ORMDL3	rs12450388	C	T	-0.064	0.009	0.426	1.81E-13	-0.033	0.017	0.046	0.002	54.193	TRUE	3.97E-10
Non-allergic asthma	ORMDL3	rs12946162	T	C	-0.093	0.012	0.133	9.01E-14	0.029	0.022	0.177	0.002	55.567	TRUE	5.32E-11
Non-allergic asthma	ORMDL3	rs12946335	T	C	-0.672	0.031	0.019	3.98E-101	0.092	0.094	0.327	0.014	455.752	TRUE	1.39E-86
Non-allergic asthma	ORMDL3	rs138914307	T	C	0.277	0.044	0.015	2.79E-10	-0.065	0.073	0.369	0.001	39.816	TRUE	1.73E-08
Non-allergic asthma	ORMDL3	rs139014900	T	C	-0.233	0.028	0.031	6.44E-17	0.009	0.046	0.845	0.002	69.832	TRUE	6.24E-15
Non-allergic asthma	ORMDL3	rs142899349	C	T	-1.010	0.058	0.019	2.53E-67	0.028	0.042	0.499	0.009	300.512	TRUE	4.26E-58
Non-allergic asthma	ORMDL3	rs143669790	A	G	0.481	0.031	0.027	9.23E-54	0.085	0.028	0.002	0.007	238.286	TRUE	1.84E-41
Non-allergic asthma	ORMDL3	rs143700374	T	G	-0.406	0.064	0.013	2.16E-10	0.098	0.091	0.281	0.001	40.315	TRUE	1.98E-08

Non-allergic asthma	ORMDL3	rs143706978	C	T	0.437	0.038	0.016	1.18E-30	0.075	0.101	0.462	0.004	132.467	TRUE	3.66E-26
Non-allergic asthma	ORMDL3	rs1467258	G	A	-0.177	0.012	0.134	3.53E-50	0.028	0.020	0.161	0.007	221.859	TRUE	9.74E-42
Non-allergic asthma	ORMDL3	rs146767035	A	G	-0.385	0.028	0.028	2.37E-44	-0.033	0.082	0.688	0.006	195.153	TRUE	1.16E-38
Non-allergic asthma	ORMDL3	rs146890554	T	C	0.354	0.039	0.015	3.09E-19	0.115	0.054	0.033	0.003	80.374	TRUE	1.19E-14
Non-allergic asthma	ORMDL3	rs147879892	T	C	0.255	0.042	0.013	9.91E-10	-0.068	0.115	0.553	0.001	37.339	TRUE	2.82E-08
Non-allergic asthma	ORMDL3	rs148116769	T	G	-0.390	0.049	0.021	2.29E-15	0.026	0.091	0.771	0.002	62.799	TRUE	1.83E-13
Non-allergic asthma	ORMDL3	rs150597587	C	T	-0.435	0.020	0.049	5.81E-102	-0.066	0.033	0.047	0.014	459.595	TRUE	2.15E-84
Non-allergic asthma	ORMDL3	rs1558284	G	T	0.097	0.015	0.077	2.04E-10	0.014	0.035	0.691	0.001	40.422	TRUE	4.89E-09
Non-allergic asthma	ORMDL3	rs16537	T	C	-0.148	0.014	0.126	5.38E-25	0.013	0.029	0.639	0.003	106.620	TRUE	1.19E-21
Non-allergic asthma	ORMDL3	rs186413878	C	T	-0.674	0.097	0.021	3.42E-12	-0.002	0.043	0.961	0.002	48.430	TRUE	6.39E-11
Non-allergic asthma	ORMDL3	rs192665233	A	C	0.429	0.020	0.047	7.64E-103	0.068	0.062	0.273	0.014	463.641	TRUE	1.01E-87
Non-allergic asthma	ORMDL3	rs2071427	T	C	0.098	0.010	0.257	1.19E-23	-0.002	0.017	0.888	0.003	100.478	TRUE	6.26E-21
Non-allergic asthma	ORMDL3	rs2301775	G	A	-0.167	0.013	0.127	2.39E-39	-0.026	0.021	0.230	0.005	172.235	TRUE	7.26E-33
Non-allergic asthma	ORMDL3	rs2338582	T	C	0.070	0.011	0.179	1.52E-10	0.001	0.019	0.975	0.001	41.006	TRUE	1.77E-09
Non-allergic asthma	ORMDL3	rs34585058	A	G	-0.088	0.016	0.097	2.39E-08	0.008	0.025	0.762	0.001	31.146	TRUE	2.58E-07
Non-allergic asthma	ORMDL3	rs35797841	T	C	0.412	0.019	0.049	2.30E-102	0.004	0.041	0.927	0.014	461.439	TRUE	2.97E-90
Non-allergic asthma	ORMDL3	rs3764354	T	C	-0.768	0.011	0.128	0.00E+00	-0.009	0.020	0.674	0.129	4685.811	TRUE	0.00E+00
Non-allergic asthma	ORMDL3	rs482284	A	G	-0.102	0.009	0.287	2.51E-30	-0.011	0.017	0.514	0.004	130.960	TRUE	5.23E-26
Non-allergic asthma	ORMDL3	rs506728	C	G	-0.105	0.010	0.200	5.57E-26	-0.001	0.021	0.970	0.003	111.113	TRUE	3.92E-23
Non-allergic asthma	ORMDL3	rs55957019	G	A	0.458	0.018	0.050	2.10E-137	0.055	0.039	0.161	0.019	622.493	TRUE	1.78E-116
Non-allergic asthma	ORMDL3	rs580506	A	G	-0.160	0.015	0.076	2.51E-25	-0.005	0.022	0.821	0.003	108.127	TRUE	2.78E-22
Non-allergic asthma	ORMDL3	rs62065218	T	C	0.352	0.048	0.017	1.69E-13	-0.127	0.085	0.135	0.002	54.331	TRUE	1.24E-10
Non-allergic asthma	ORMDL3	rs62077536	T	C	-0.369	0.032	0.020	3.45E-30	-0.037	0.049	0.446	0.004	130.331	TRUE	1.02E-25
Non-allergic asthma	ORMDL3	rs658542	T	C	-0.152	0.011	0.153	5.74E-43	-0.006	0.020	0.754	0.006	188.815	TRUE	1.28E-37
Non-allergic asthma	ORMDL3	rs7217240	T	C	0.486	0.010	0.198	0.00E+00	0.048	0.023	0.035	0.074	2532.299	TRUE	0.00E+00
Non-allergic asthma	ORMDL3	rs72819670	G	A	-0.323	0.036	0.017	1.47E-19	0.139	0.073	0.058	0.003	81.847	TRUE	3.39E-15
Non-allergic asthma	ORMDL3	rs72819672	A	G	-0.208	0.018	0.052	2.20E-29	0.009	0.029	0.751	0.004	126.658	TRUE	1.04E-25
Non-allergic asthma	ORMDL3	rs72823325	G	C	0.082	0.009	0.274	1.68E-18	-0.013	0.018	0.452	0.002	77.031	TRUE	1.18E-15
Non-allergic asthma	ORMDL3	rs72825152	T	C	-0.459	0.054	0.013	1.41E-17	-0.146	0.066	0.027	0.002	72.825	TRUE	3.23E-13
Non-allergic asthma	ORMDL3	rs72825191	A	G	0.322	0.047	0.020	6.61E-12	0.121	0.133	0.361	0.001	47.136	TRUE	7.52E-10
Non-allergic asthma	ORMDL3	rs72825201	C	A	-0.285	0.017	0.065	1.28E-63	-0.031	0.026	0.241	0.009	283.514	TRUE	9.63E-54
Non-allergic asthma	ORMDL3	rs72832915	A	G	-0.340	0.009	0.311	0.00E+00	-0.059	0.017	3.64E-04	0.044	1455.578	TRUE	4.43E-260
Non-allergic asthma	ORMDL3	rs72832993	A	C	0.346	0.017	0.070	2.45E-94	0.069	0.031	0.027	0.013	424.555	TRUE	2.67E-77
Non-allergic asthma	ORMDL3	rs72834789	C	T	0.204	0.012	0.129	4.37E-67	0.042	0.027	0.114	0.009	299.416	TRUE	8.90E-56
Non-allergic asthma	ORMDL3	rs72836603	A	C	-0.402	0.033	0.020	1.08E-34	-0.067	0.069	0.333	0.005	150.927	TRUE	2.85E-29
Non-allergic asthma	ORMDL3	rs72836619	T	G	-0.340	0.023	0.037	7.54E-50	0.009	0.044	0.830	0.007	220.348	TRUE	7.52E-44
Non-allergic asthma	ORMDL3	rs74767487	A	G	0.279	0.016	0.079	4.75E-68	-0.005	0.033	0.868	0.009	303.842	TRUE	6.09E-60
Non-allergic asthma	ORMDL3	rs75646943	T	C	-0.352	0.028	0.026	6.05E-37	-0.048	0.034	0.165	0.005	161.234	TRUE	1.72E-30
Non-allergic asthma	ORMDL3	rs757319	G	C	0.212	0.021	0.036	6.38E-23	-0.079	0.056	0.154	0.003	97.158	TRUE	1.42E-18
Non-allergic asthma	ORMDL3	rs75905358	C	G	0.245	0.010	0.210	1.61E-140	0.009	0.017	0.612	0.020	636.827	TRUE	3.22E-122
Non-allergic asthma	ORMDL3	rs76555104	A	G	-0.740	0.036	0.017	1.35E-92	-0.173	0.134	0.198	0.013	416.558	TRUE	2.31E-78
Non-allergic asthma	ORMDL3	rs77107066	T	C	-0.095	0.013	0.131	5.16E-14	-0.013	0.022	0.557	0.002	56.664	TRUE	5.69E-12

Non-allergic asthma	ORMDL3	rs77812225	A	G	-0.197	0.030	0.020	8.27E-11	0.014	0.052	0.787	0.001	42.190	TRUE	1.71E-09
Non-allergic asthma	ORMDL3	rs78581969	T	C	0.104	0.014	0.087	2.78E-13	0.033	0.023	0.157	0.002	53.354	TRUE	1.57E-10
Non-allergic asthma	ORMDL3	rs78736194	A	C	0.117	0.021	0.047	1.61E-08	-0.089	0.056	0.109	0.001	31.909	TRUE	1.77E-06
Non-allergic asthma	ORMDL3	rs79010101	T	C	0.210	0.019	0.049	4.48E-28	-0.019	0.033	0.556	0.004	120.677	TRUE	3.74E-24
Non-allergic asthma	ORMDL3	rs79730542	C	T	-0.249	0.029	0.023	4.09E-18	0.044	0.092	0.629	0.002	75.272	TRUE	1.22E-15
Non-allergic asthma	ORMDL3	rs8065040	G	A	0.063	0.008	0.449	2.21E-15	0.020	0.016	0.208	0.002	62.862	TRUE	1.95E-12
Non-allergic asthma	ORMDL3	rs8075931	T	C	-0.245	0.038	0.016	1.11E-10	-0.005	0.106	0.962	0.001	41.610	TRUE	1.40E-09
Non-allergic asthma	ORMDL3	rs9914748	G	A	-0.048	0.008	0.388	3.55E-09	0.009	0.016	0.576	0.001	34.855	TRUE	7.91E-08
Non-allergic asthma	OSBPL7	rs1008934	G	C	-0.151	0.017	0.062	3.51E-18	-0.106	0.052	0.043	0.002	75.577	TRUE	6.40E-14
Non-allergic asthma	OSBPL7	rs1018903	G	A	-0.115	0.008	0.456	1.94E-47	-0.040	0.016	0.012	0.007	209.299	TRUE	2.83E-37
Non-allergic asthma	OSBPL7	rs59386258	C	T	-0.055	0.009	0.281	3.72E-10	-0.011	0.017	0.520	0.001	39.253	TRUE	1.34E-08
Non-allergic asthma	OSBPL7	rs75717806	A	G	0.064	0.010	0.210	6.75E-11	0.024	0.019	0.197	0.001	42.586	TRUE	1.14E-08
Non-allergic asthma	OSBPL7	rs76142347	T	C	-0.167	0.025	0.030	2.27E-11	-0.028	0.051	0.587	0.001	44.716	TRUE	9.88E-10
Non-allergic asthma	P2RX7	rs10849778	A	G	0.066	0.011	0.142	6.31E-09	0.017	0.022	0.453	0.001	33.736	TRUE	1.84E-07
Non-allergic asthma	P2RX7	rs11065375	C	T	0.081	0.009	0.299	8.30E-21	0.007	0.019	0.724	0.003	87.526	TRUE	3.77E-18
Non-allergic asthma	P2RX7	rs11065453	T	C	-0.608	0.017	0.055	6.68E-275	-0.073	0.030	0.014	0.038	1254.955	TRUE	5.64E-229
Non-allergic asthma	P2RX7	rs11612328	A	G	-0.093	0.012	0.122	2.62E-14	0.001	0.031	0.975	0.002	57.994	TRUE	8.23E-13
Non-allergic asthma	P2RX7	rs1169809	A	G	0.122	0.009	0.289	4.87E-44	0.011	0.017	0.520	0.006	193.720	TRUE	6.27E-38
Non-allergic asthma	P2RX7	rs117048777	T	C	0.229	0.018	0.049	1.40E-35	0.001	0.046	0.986	0.005	154.992	TRUE	1.18E-31
Non-allergic asthma	P2RX7	rs117296042	A	G	0.094	0.017	0.064	4.70E-08	-0.004	0.032	0.897	0.001	29.836	TRUE	3.43E-07
Non-allergic asthma	P2RX7	rs117832809	T	G	-0.360	0.034	0.018	6.53E-26	0.118	0.078	0.130	0.003	110.798	TRUE	5.73E-21
Non-allergic asthma	P2RX7	rs12817813	T	C	-0.065	0.009	0.271	4.82E-13	-0.004	0.017	0.830	0.002	52.275	TRUE	1.66E-11
Non-allergic asthma	P2RX7	rs140031782	A	G	0.162	0.025	0.028	1.23E-10	0.029	0.034	0.392	0.001	41.417	TRUE	7.94E-09
Non-allergic asthma	P2RX7	rs144159880	C	T	0.544	0.089	0.032	8.49E-10	0.836	0.376	0.026	0.001	37.641	TRUE	4.97E-07
Non-allergic asthma	P2RX7	rs1653589	T	C	0.227	0.018	0.057	4.70E-37	0.024	0.032	0.449	0.005	161.739	TRUE	1.15E-31
Non-allergic asthma	P2RX7	rs185394597	A	G	-1.198	0.067	0.011	6.94E-71	-0.138	0.211	0.515	0.010	316.856	TRUE	2.99E-61
Non-allergic asthma	P2RX7	rs208298	A	G	0.196	0.009	0.310	3.75E-117	0.041	0.017	0.019	0.016	529.399	TRUE	3.14E-96
Non-allergic asthma	P2RX7	rs2668254	T	C	-0.102	0.009	0.512	1.22E-32	-0.004	0.016	0.784	0.004	141.549	TRUE	1.24E-28
Non-allergic asthma	P2RX7	rs28360475	G	A	-0.079	0.009	0.240	1.57E-17	0.012	0.020	0.559	0.002	72.616	TRUE	5.15E-15
Non-allergic asthma	P2RX7	rs28376585	T	C	0.061	0.010	0.282	1.91E-09	-0.012	0.018	0.513	0.001	36.060	TRUE	5.57E-08
Non-allergic asthma	P2RX7	rs2859397	T	C	0.103	0.009	0.314	4.49E-33	-0.006	0.017	0.696	0.005	143.527	TRUE	8.05E-29
Non-allergic asthma	P2RX7	rs3751143	C	A	-0.139	0.010	0.180	4.45E-41	-0.046	0.026	0.072	0.006	180.160	TRUE	2.83E-33
Non-allergic asthma	P2RX7	rs514108	C	T	-0.066	0.011	0.159	1.76E-09	0.013	0.021	0.541	0.001	36.226	TRUE	4.77E-08
Non-allergic asthma	P2RX7	rs55978542	G	A	-0.073	0.010	0.236	1.87E-12	-0.012	0.018	0.498	0.002	49.612	TRUE	1.54E-10
Non-allergic asthma	P2RX7	rs61953398	A	G	0.200	0.024	0.029	1.32E-16	-0.028	0.043	0.521	0.002	68.419	TRUE	3.76E-14
Non-allergic asthma	P2RX7	rs73419624	G	A	-0.384	0.034	0.021	1.46E-29	-0.030	0.049	0.548	0.004	127.474	TRUE	2.00E-25
Non-allergic asthma	P2RX7	rs75475789	T	C	0.142	0.025	0.028	1.93E-08	0.046	0.048	0.332	0.001	31.562	TRUE	6.99E-07
Non-allergic asthma	P2RX7	rs75834561	C	T	0.169	0.024	0.028	3.36E-12	0.045	0.057	0.431	0.002	48.461	TRUE	3.23E-10
Non-allergic asthma	PADI4	rs10888017	T	C	0.080	0.009	0.264	1.11E-18	0.002	0.017	0.908	0.002	77.844	TRUE	1.40E-16
Non-allergic asthma	PADI4	rs113371046	A	G	-0.680	0.018	0.052	0.00E+00	-0.077	0.042	0.066	0.045	1478.786	TRUE	4.00E-273
Non-allergic asthma	PADI4	rs114254865	A	G	-0.336	0.031	0.022	3.18E-27	-0.071	0.046	0.121	0.004	116.793	TRUE	5.07E-22
Non-allergic asthma	PADI4	rs115508194	T	C	-0.375	0.032	0.020	5.85E-31	-0.024	0.048	0.612	0.004	133.856	TRUE	8.72E-27

Non-allergic asthma	PADI4	rs115528420	C	T	0.218	0.039	0.019	2.83E-08	0.076	0.035	0.028	0.001	30.818	TRUE	7.33E-06
Non-allergic asthma	PADI4	rs1204891	A	G	0.062	0.010	0.203	3.74E-10	0.042	0.021	0.044	0.001	39.240	TRUE	1.81E-07
Non-allergic asthma	PADI4	rs1204898	T	C	0.097	0.010	0.250	4.38E-23	0.013	0.017	0.437	0.003	97.905	TRUE	1.44E-19
Non-allergic asthma	PADI4	rs12405271	A	C	0.068	0.010	0.226	6.98E-13	0.015	0.021	0.471	0.002	51.546	TRUE	7.28E-11
Non-allergic asthma	PADI4	rs12746451	T	C	-0.324	0.016	0.066	8.78E-91	-0.025	0.031	0.420	0.013	408.233	TRUE	4.05E-78
Non-allergic asthma	PADI4	rs138993831	A	G	0.594	0.041	0.017	3.07E-48	0.110	0.055	0.046	0.007	212.972	TRUE	6.06E-39
Non-allergic asthma	PADI4	rs141441756	T	C	-0.387	0.056	0.012	3.55E-12	-0.268	0.214	0.209	0.002	48.358	TRUE	9.20E-10
Non-allergic asthma	PADI4	rs150138789	A	G	0.114	0.018	0.059	1.94E-10	0.050	0.029	0.085	0.001	40.521	TRUE	6.26E-08
Non-allergic asthma	PADI4	rs151328523	C	T	-0.144	0.025	0.031	4.86E-09	-0.051	0.050	0.309	0.001	34.244	TRUE	2.39E-07
Non-allergic asthma	PADI4	rs1748020	T	C	0.299	0.017	0.056	1.59E-66	-0.001	0.033	0.977	0.009	296.849	TRUE	6.26E-59
Non-allergic asthma	PADI4	rs192381829	T	C	-0.526	0.035	0.017	1.44E-51	-0.087	0.048	0.067	0.007	228.232	TRUE	4.65E-42
Non-allergic asthma	PADI4	rs2477145	T	C	0.140	0.020	0.047	3.82E-12	0.031	0.031	0.311	0.002	48.211	TRUE	5.86E-10
Non-allergic asthma	PADI4	rs2526845	G	T	-0.099	0.009	0.425	8.12E-31	-0.020	0.016	0.208	0.004	133.205	TRUE	1.72E-25
Non-allergic asthma	PADI4	rs2977238	A	G	-0.150	0.008	0.433	6.14E-79	-0.042	0.016	0.008	0.011	353.831	TRUE	2.88E-63
Non-allergic asthma	PADI4	rs2977290	A	G	0.104	0.011	0.174	1.40E-21	0.032	0.019	0.093	0.003	91.052	TRUE	3.97E-17
Non-allergic asthma	PADI4	rs3003432	G	A	-0.300	0.008	0.417	0.00E+00	-0.053	0.016	9.92E-04	0.043	1432.741	TRUE	2.57E-257
Non-allergic asthma	PADI4	rs3003434	G	A	-0.128	0.010	0.222	5.06E-41	-0.033	0.020	0.101	0.006	179.904	TRUE	1.65E-33
Non-allergic asthma	PADI4	rs3850724	T	C	-0.060	0.011	0.172	1.21E-08	-0.043	0.020	0.027	0.001	32.467	TRUE	3.87E-06
Non-allergic asthma	PADI4	rs41266003	T	C	-0.188	0.010	0.200	3.27E-80	-0.029	0.019	0.118	0.011	359.678	TRUE	5.07E-67
Non-allergic asthma	PADI4	rs6683201	T	C	0.055	0.009	0.314	1.57E-10	-0.012	0.016	0.447	0.001	40.937	TRUE	8.10E-09
Non-allergic asthma	PADI4	rs6690363	T	C	0.086	0.014	0.099	1.58E-09	-0.024	0.026	0.356	0.001	36.426	TRUE	7.87E-08
Non-allergic asthma	PADI4	rs71644033	C	T	0.124	0.016	0.077	1.12E-14	-0.013	0.028	0.632	0.002	59.663	TRUE	1.17E-12
Non-allergic asthma	PADI4	rs72646746	T	C	-0.301	0.022	0.036	2.96E-42	-0.028	0.044	0.529	0.006	185.553	TRUE	2.10E-36
Non-allergic asthma	PADI4	rs7418084	A	G	0.104	0.015	0.077	9.79E-12	0.004	0.039	0.909	0.001	46.367	TRUE	1.88E-10
Non-allergic asthma	PADI4	rs7512044	A	G	-0.225	0.013	0.115	7.80E-70	-0.025	0.025	0.310	0.010	312.033	TRUE	1.84E-59
Non-allergic asthma	PADI4	rs7546867	A	G	-0.101	0.011	0.148	8.69E-19	0.000	0.021	0.982	0.002	78.332	TRUE	8.66E-17
Non-allergic asthma	PADI4	rs78941457	A	C	0.096	0.016	0.069	2.58E-09	-0.059	0.033	0.071	0.001	35.474	TRUE	5.79E-07
Non-allergic asthma	PDLIM1	rs10786197	G	A	0.127	0.014	0.094	1.08E-20	-0.011	0.030	0.713	0.003	87.009	TRUE	4.95E-18
Non-allergic asthma	PDLIM1	rs10882654	G	T	-0.045	0.008	0.478	1.47E-08	0.014	0.016	0.381	0.001	32.088	TRUE	4.72E-07
Non-allergic asthma	PDLIM1	rs11188105	C	T	-0.071	0.008	0.436	4.72E-19	0.021	0.016	0.174	0.003	79.537	TRUE	2.10E-15
Non-allergic asthma	PDLIM1	rs11188258	A	G	-0.173	0.023	0.032	5.36E-14	-0.066	0.056	0.241	0.002	56.589	TRUE	2.31E-11
Non-allergic asthma	PDLIM1	rs113544984	A	C	-0.111	0.015	0.073	2.91E-13	0.014	0.043	0.735	0.002	53.264	TRUE	1.42E-11
Non-allergic asthma	PDLIM1	rs11596570	T	C	0.170	0.026	0.027	3.71E-11	-0.007	0.051	0.890	0.001	43.758	TRUE	6.40E-10
Non-allergic asthma	PDLIM1	rs116338139	A	G	-0.119	0.022	0.035	4.43E-08	0.062	0.051	0.230	0.001	29.948	TRUE	2.06E-06
Non-allergic asthma	PDLIM1	rs34031095	G	A	0.207	0.013	0.112	9.23E-61	0.019	0.024	0.445	0.008	270.396	TRUE	3.38E-52
Non-allergic asthma	PDLIM1	rs3737015	A	T	-0.235	0.010	0.205	3.78E-127	-0.043	0.018	0.019	0.018	575.351	TRUE	1.22E-104
Non-allergic asthma	PDLIM1	rs41291566	G	A	0.142	0.023	0.034	7.70E-10	-0.042	0.042	0.309	0.001	37.833	TRUE	5.12E-08
Non-allergic asthma	PDLIM1	rs45546031	T	C	0.164	0.011	0.173	2.59E-50	0.081	0.022	1.88E-04	0.007	222.474	TRUE	2.46E-37
Non-allergic asthma	PDLIM1	rs4918914	A	G	-0.077	0.011	0.140	1.66E-11	-0.035	0.023	0.124	0.001	45.336	TRUE	5.88E-09
Non-allergic asthma	PDLIM1	rs55965825	T	G	-0.254	0.019	0.046	8.86E-41	-0.060	0.029	0.040	0.006	178.788	TRUE	1.42E-32
Non-allergic asthma	PDLIM1	rs61886805	C	A	0.090	0.014	0.099	6.52E-11	0.005	0.025	0.827	0.001	42.654	TRUE	1.25E-09
Non-allergic asthma	PDLIM1	rs6583975	T	C	-0.094	0.012	0.142	1.89E-14	-0.034	0.024	0.158	0.002	58.638	TRUE	1.67E-11

Non-allergic asthma	PDLIM1	rs7075651	T	C	0.057	0.009	0.302	7.44E-11	0.001	0.017	0.951	0.001	42.398	TRUE	1.01E-09
Non-allergic asthma	PDLIM1	rs74538386	A	G	0.145	0.015	0.073	4.10E-21	-0.003	0.027	0.915	0.003	88.919	TRUE	9.74E-19
Non-allergic asthma	PDLIM1	rs77186190	G	A	-0.321	0.042	0.015	1.23E-14	-0.228	0.106	0.031	0.002	59.477	TRUE	6.58E-11
Non-allergic asthma	PDLIM1	rs7921287	A	G	-0.218	0.011	0.154	1.02E-88	-0.069	0.023	0.003	0.012	398.739	TRUE	1.27E-70
Non-allergic asthma	PDLIM1	rs79279585	A	G	-0.099	0.011	0.199	1.77E-19	-0.053	0.020	0.008	0.003	81.478	TRUE	2.89E-14
Non-allergic asthma	PDLIM1	rs9332179	G	T	0.183	0.030	0.023	1.02E-09	0.054	0.067	0.419	0.001	37.283	TRUE	4.36E-08
Non-allergic asthma	PEA15	rs1041067	T	C	0.058	0.010	0.198	5.85E-09	0.020	0.020	0.313	0.001	33.882	TRUE	2.76E-07
Non-allergic asthma	PEA15	rs10797062	G	A	0.335	0.009	0.292	0.00E+00	0.042	0.016	0.010	0.046	1538.789	TRUE	3.53E-280
Non-allergic asthma	PEA15	rs11265305	G	T	0.084	0.013	0.113	2.23E-11	0.043	0.022	0.054	0.001	44.759	TRUE	1.62E-08
Non-allergic asthma	PEA15	rs11265345	T	A	-0.063	0.011	0.150	1.52E-08	-0.032	0.024	0.178	0.001	32.029	TRUE	1.10E-06
Non-allergic asthma	PEA15	rs115935745	T	C	0.227	0.035	0.017	9.52E-11	0.060	0.052	0.247	0.001	41.915	TRUE	1.17E-08
Non-allergic asthma	PEA15	rs116350475	C	T	-0.116	0.019	0.050	2.09E-09	-0.046	0.036	0.205	0.001	35.883	TRUE	1.87E-07
Non-allergic asthma	PEA15	rs1186683	A	C	-0.122	0.008	0.458	2.81E-52	-0.024	0.016	0.137	0.007	231.483	TRUE	2.34E-43
Non-allergic asthma	PEA15	rs12060485	T	G	-0.099	0.011	0.147	2.09E-18	0.001	0.023	0.953	0.002	76.596	TRUE	2.09E-16
Non-allergic asthma	PEA15	rs12133079	A	C	0.072	0.010	0.186	3.08E-12	0.009	0.021	0.658	0.002	48.634	TRUE	1.41E-10
Non-allergic asthma	PEA15	rs12144820	A	G	-0.087	0.008	0.399	1.22E-26	-0.022	0.016	0.164	0.004	114.128	TRUE	9.35E-22
Non-allergic asthma	PEA15	rs12737042	T	C	-0.113	0.013	0.115	1.20E-18	-0.005	0.024	0.842	0.002	77.692	TRUE	1.90E-16
Non-allergic asthma	PEA15	rs140284465	A	G	-0.190	0.027	0.027	2.47E-12	0.038	0.043	0.383	0.002	49.064	TRUE	2.99E-10
Non-allergic asthma	PEA15	rs2854248	A	T	-0.085	0.008	0.338	2.66E-24	-0.034	0.016	0.040	0.003	103.455	TRUE	6.83E-19
Non-allergic asthma	PEA15	rs58153339	T	C	-0.111	0.015	0.076	1.57E-13	-0.023	0.027	0.391	0.002	54.473	TRUE	2.77E-11
Non-allergic asthma	PEA15	rs6665935	G	A	-0.128	0.010	0.216	2.84E-39	-0.015	0.018	0.406	0.005	171.892	TRUE	1.87E-33
Non-allergic asthma	PEA15	rs6697199	G	T	0.056	0.008	0.478	1.49E-12	0.046	0.016	0.003	0.002	50.061	TRUE	1.46E-08
Non-allergic asthma	PEA15	rs72706635	A	G	-0.114	0.021	0.040	3.69E-08	0.008	0.036	0.827	0.001	30.306	TRUE	3.24E-07
Non-allergic asthma	PEA15	rs75335661	T	C	-0.122	0.012	0.128	1.88E-24	-0.056	0.028	0.047	0.003	104.139	TRUE	4.12E-19
Non-allergic asthma	PEA15	rs77456663	G	A	-0.090	0.014	0.087	1.55E-10	-0.030	0.034	0.386	0.001	40.960	TRUE	9.89E-09
Non-allergic asthma	PEA15	rs78943652	T	C	0.416	0.039	0.016	7.67E-27	0.133	0.057	0.020	0.004	115.044	TRUE	1.31E-20
Non-allergic asthma	PEA15	rs881291	C	T	0.099	0.009	0.319	2.21E-31	-0.007	0.016	0.673	0.004	135.789	TRUE	2.73E-27
Non-allergic asthma	PEA15	rs947492	T	C	-0.081	0.008	0.497	3.76E-24	0.015	0.016	0.325	0.003	102.764	TRUE	3.32E-20
Non-allergic asthma	PIH1D1	rs147362951	A	G	0.310	0.036	0.023	2.04E-17	-0.028	0.036	0.449	0.002	72.103	TRUE	1.02E-14
Non-allergic asthma	PIH1D1	rs171342	T	C	-0.047	0.008	0.499	3.76E-09	-0.005	0.016	0.742	0.001	34.744	TRUE	5.40E-08
Non-allergic asthma	PIH1D1	rs1965105	G	A	-0.127	0.021	0.079	7.06E-10	-0.028	0.026	0.277	0.001	38.003	TRUE	5.43E-08
Non-allergic asthma	PIH1D1	rs2293012	T	G	0.267	0.010	0.253	5.27E-144	0.034	0.017	0.043	0.020	652.848	TRUE	5.35E-120
Non-allergic asthma	PIH1D1	rs2304207	G	C	-0.071	0.012	0.148	7.30E-10	0.031	0.021	0.142	0.001	37.936	TRUE	1.14E-07
Non-allergic asthma	PIH1D1	rs3745309	A	G	-0.065	0.010	0.354	4.21E-10	-0.020	0.016	0.202	0.001	39.013	TRUE	5.05E-08
Non-allergic asthma	PIH1D1	rs62128073	G	A	-0.171	0.011	0.221	8.71E-52	-0.007	0.020	0.738	0.007	229.229	TRUE	2.66E-45
Non-allergic asthma	PIH1D1	rs76246107	A	G	0.117	0.016	0.084	1.38E-12	0.059	0.032	0.067	0.002	50.205	TRUE	1.43E-09
Non-allergic asthma	PIH1D1	rs76687611	A	G	0.130	0.019	0.049	2.26E-12	0.031	0.032	0.319	0.002	49.238	TRUE	3.64E-10
Non-allergic asthma	PIH1D1	rs78663425	T	G	0.326	0.048	0.019	7.32E-12	0.045	0.071	0.526	0.001	46.936	TRUE	4.51E-10
Non-allergic asthma	PIK3C3	rs12458461	A	G	-0.137	0.022	0.103	2.35E-10	0.028	0.028	0.317	0.001	40.147	TRUE	1.83E-08
Non-allergic asthma	PIK3C3	rs12961563	A	G	-0.454	0.017	0.133	4.15E-156	0.047	0.021	0.022	0.022	708.502	TRUE	2.24E-129
Non-allergic asthma	PIK3C3	rs1461711	T	C	-0.077	0.012	0.430	1.29E-10	0.010	0.016	0.530	0.001	41.324	TRUE	5.24E-09
Non-allergic asthma	PIK3C3	rs147265019	T	C	-0.224	0.037	0.036	1.24E-09	-0.026	0.045	0.563	0.001	36.908	TRUE	3.31E-08

Non-allergic asthma	PIK3C3	rs346454	C	T	-0.088	0.014	0.243	1.61E-10	-0.005	0.017	0.773	0.001	40.888	TRUE	3.18E-09
Non-allergic asthma	PIK3C3	rs60353953	A	C	-0.264	0.044	0.024	1.26E-09	0.073	0.040	0.066	0.001	36.867	TRUE	3.45E-07
Non-allergic asthma	PIK3C3	rs77783467	A	G	0.160	0.025	0.061	1.04E-10	0.076	0.037	0.041	0.001	41.737	TRUE	6.94E-08
Non-allergic asthma	PIK3C3	rs78711695	A	G	0.145	0.025	0.081	1.31E-08	-0.030	0.023	0.193	0.001	32.319	TRUE	8.96E-07
Non-allergic asthma	PIK3C3	rs9959011	A	C	-0.134	0.016	0.164	5.62E-17	-0.001	0.020	0.964	0.002	70.104	TRUE	3.69E-15
Non-allergic asthma	PIP4K2A	rs10430590	T	A	-0.114	0.009	0.295	4.25E-38	0.052	0.017	0.002	0.005	166.513	TRUE	1.32E-28
Non-allergic asthma	PIP4K2A	rs10828346	C	T	-0.078	0.009	0.321	2.45E-19	-0.021	0.017	0.219	0.003	80.836	TRUE	8.46E-16
Non-allergic asthma	PIP4K2A	rs79562159	T	C	-0.136	0.017	0.067	3.16E-16	0.059	0.028	0.037	0.002	66.696	TRUE	2.88E-12
Non-allergic asthma	PPM1F	rs112587048	A	G	0.297	0.021	0.039	6.60E-46	0.022	0.030	0.476	0.006	202.280	TRUE	2.04E-39
Non-allergic asthma	PPM1F	rs113593856	A	G	-0.542	0.022	0.042	1.99E-132	-0.054	0.042	0.195	0.019	599.611	TRUE	1.47E-112
Non-allergic asthma	PPM1F	rs117663329	T	G	0.162	0.026	0.031	5.72E-10	0.030	0.051	0.555	0.001	38.413	TRUE	1.75E-08
Non-allergic asthma	PPM1F	rs118063673	A	G	0.303	0.046	0.015	3.50E-11	-0.025	0.043	0.559	0.001	43.875	TRUE	1.56E-09
Non-allergic asthma	PPM1F	rs11912149	G	A	-0.106	0.017	0.062	4.45E-10	-0.032	0.024	0.186	0.001	38.903	TRUE	5.79E-08
Non-allergic asthma	PPM1F	rs1210388	C	T	-0.178	0.031	0.021	1.03E-08	0.049	0.102	0.629	0.001	32.787	TRUE	1.72E-07
Non-allergic asthma	PPM1F	rs12158712	G	A	-0.335	0.009	0.292	0.00E+00	0.008	0.018	0.680	0.046	1527.504	TRUE	1.30E-289
Non-allergic asthma	PPM1F	rs13340082	A	G	-0.079	0.010	0.219	8.93E-15	-0.031	0.018	0.077	0.002	60.115	TRUE	2.07E-11
Non-allergic asthma	PPM1F	rs140016634	C	T	-0.263	0.035	0.016	3.03E-14	0.024	0.063	0.699	0.002	57.711	TRUE	2.21E-12
Non-allergic asthma	PPM1F	rs145197834	T	C	0.264	0.045	0.019	5.27E-09	-0.042	0.043	0.324	0.001	34.085	TRUE	2.42E-07
Non-allergic asthma	PPM1F	rs149970818	A	G	-0.909	0.032	0.020	4.64E-175	-0.126	0.108	0.242	0.024	795.650	TRUE	1.22E-149
Non-allergic asthma	PPM1F	rs1647712	A	G	0.055	0.009	0.243	3.00E-09	0.005	0.017	0.773	0.001	35.179	TRUE	4.11E-08
Non-allergic asthma	PPM1F	rs17759988	T	C	0.229	0.016	0.077	1.86E-48	-0.004	0.037	0.911	0.007	213.964	TRUE	7.81E-43
Non-allergic asthma	PPM1F	rs2329885	T	C	0.241	0.034	0.018	2.03E-12	-0.030	0.067	0.654	0.002	49.452	TRUE	9.91E-11
Non-allergic asthma	PPM1F	rs28889942	A	C	0.264	0.016	0.076	1.08E-63	-0.008	0.023	0.741	0.009	283.846	TRUE	9.78E-56
Non-allergic asthma	PPM1F	rs34043275	A	G	0.081	0.011	0.257	5.51E-13	0.003	0.018	0.872	0.002	52.010	TRUE	1.65E-11
Non-allergic asthma	PPM1F	rs34431893	A	G	0.138	0.017	0.057	8.84E-16	0.039	0.041	0.339	0.002	64.670	TRUE	4.27E-13
Non-allergic asthma	PPM1F	rs364999	C	T	-0.430	0.029	0.021	7.08E-50	-0.036	0.041	0.369	0.007	220.473	TRUE	1.73E-42
Non-allergic asthma	PPM1F	rs366116	C	T	0.059	0.009	0.387	9.23E-12	0.016	0.016	0.306	0.001	46.482	TRUE	1.26E-09
Non-allergic asthma	PPM1F	rs371513	A	G	-0.118	0.011	0.149	9.23E-25	-0.014	0.027	0.595	0.003	105.548	TRUE	2.35E-21
Non-allergic asthma	PPM1F	rs402909	T	G	0.147	0.023	0.034	7.17E-11	0.019	0.064	0.763	0.001	42.469	TRUE	1.61E-09
Non-allergic asthma	PPM1F	rs4821577	T	C	0.146	0.024	0.041	1.29E-09	-0.012	0.031	0.692	0.001	36.821	TRUE	2.42E-08
Non-allergic asthma	PPM1F	rs55741555	T	C	-0.420	0.011	0.154	0.00E+00	-0.030	0.025	0.225	0.045	1498.862	TRUE	4.53E-280
Non-allergic asthma	PPM1F	rs5749696	T	C	-0.145	0.008	0.446	8.48E-74	-0.007	0.016	0.659	0.010	330.230	TRUE	2.65E-64
Non-allergic asthma	PPM1F	rs5750484	T	C	0.086	0.008	0.328	5.90E-24	0.040	0.017	0.018	0.003	101.874	TRUE	3.27E-18
Non-allergic asthma	PPM1F	rs5754508	G	C	0.125	0.011	0.197	2.92E-31	-0.012	0.018	0.506	0.004	135.235	TRUE	8.43E-27
Non-allergic asthma	PPM1F	rs5757927	A	G	-0.064	0.011	0.322	4.60E-09	0.011	0.017	0.511	0.001	34.349	TRUE	1.19E-07
Non-allergic asthma	PPM1F	rs5995345	C	T	0.180	0.019	0.044	1.75E-20	-0.002	0.072	0.981	0.003	86.050	TRUE	2.73E-18
Non-allergic asthma	PPM1F	rs6000509	T	C	0.191	0.020	0.041	3.41E-21	0.011	0.034	0.736	0.003	89.285	TRUE	1.65E-18
Non-allergic asthma	PPM1F	rs62235126	A	G	0.235	0.033	0.021	9.68E-13	0.023	0.052	0.649	0.002	50.905	TRUE	5.30E-11
Non-allergic asthma	PPM1F	rs62235151	C	T	0.240	0.015	0.089	3.10E-60	0.010	0.029	0.715	0.008	267.978	TRUE	1.25E-52
Non-allergic asthma	PPM1F	rs7290787	T	C	0.204	0.037	0.017	2.48E-08	-0.223	0.126	0.076	0.001	31.079	TRUE	3.33E-06
Non-allergic asthma	PPM1F	rs73149986	A	G	-0.263	0.031	0.023	2.81E-17	0.021	0.045	0.639	0.002	71.472	TRUE	6.25E-15
Non-allergic asthma	PPM1F	rs75618489	T	C	-0.988	0.024	0.032	0.00E+00	-0.059	0.043	0.168	0.052	1746.390	TRUE	0.00E+00

Non-allergic asthma	PPM1F	rs76341067	T	C	-0.193	0.011	0.154	1.04E-68	0.014	0.024	0.545	0.010	306.870	TRUE	1.81E-59
Non-allergic asthma	PPM1F	rs78925128	C	A	0.262	0.025	0.035	1.82E-26	-0.029	0.024	0.215	0.004	113.334	TRUE	8.02E-22
Non-allergic asthma	PPM1F	rs79165737	G	A	0.181	0.017	0.064	4.87E-27	-0.017	0.035	0.621	0.004	115.942	TRUE	2.17E-23
Non-allergic asthma	PPM1F	rs9609947	G	T	-0.179	0.024	0.032	5.99E-14	0.046	0.038	0.220	0.002	56.370	TRUE	2.86E-11
Non-allergic asthma	PPM1F	rs9611037	A	G	-0.198	0.028	0.026	9.23E-13	0.012	0.041	0.775	0.002	50.999	TRUE	3.46E-11
Non-allergic asthma	PRELID1	rs11541335	A	G	-1.038	0.074	0.017	1.39E-44	-0.029	0.059	0.620	0.006	196.217	TRUE	1.10E-38
Non-allergic asthma	PRELID1	rs12514939	C	A	-0.224	0.021	0.210	1.81E-25	0.005	0.019	0.807	0.003	108.783	TRUE	2.20E-22
Non-allergic asthma	PRELID1	rs142860121	A	G	-0.703	0.057	0.024	9.52E-35	-0.025	0.062	0.690	0.005	151.182	TRUE	2.87E-30
Non-allergic asthma	PRELID1	rs17077789	G	A	-0.886	0.065	0.018	2.84E-42	-0.055	0.057	0.328	0.006	185.629	TRUE	8.91E-36
Non-allergic asthma	PRELID1	rs2306764	T	C	-0.443	0.050	0.034	8.78E-19	-0.027	0.040	0.503	0.002	78.310	TRUE	5.37E-16
Non-allergic asthma	PRELID1	rs2731673	T	C	-0.290	0.020	0.280	1.97E-48	-0.009	0.018	0.632	0.007	213.855	TRUE	4.49E-42
Non-allergic asthma	PRELID1	rs2962780	C	T	-0.274	0.043	0.047	1.34E-10	-0.062	0.037	0.092	0.001	41.247	TRUE	4.32E-08
Non-allergic asthma	PRELID1	rs376618	C	T	0.293	0.020	0.238	7.36E-47	-0.021	0.020	0.288	0.006	206.645	TRUE	1.45E-39
Non-allergic asthma	PRELID1	rs478253	T	C	0.113	0.020	0.343	1.59E-08	-0.007	0.016	0.643	0.001	31.938	TRUE	2.42E-07
Non-allergic asthma	PRELID1	rs58674294	T	C	-0.356	0.041	0.049	2.18E-18	0.027	0.033	0.418	0.002	76.516	TRUE	1.73E-15
Non-allergic asthma	PRELID1	rs72813185	A	C	0.205	0.021	0.228	1.49E-22	-0.022	0.018	0.223	0.003	95.483	TRUE	1.57E-18
Non-allergic asthma	PRELID1	rs7707346	G	C	-0.872	0.020	0.194	0.00E+00	0.044	0.019	0.020	0.059	1997.694	TRUE	0.00E+00
Non-allergic asthma	PRELID1	rs79590982	G	T	0.366	0.048	0.040	3.49E-14	0.008	0.029	0.790	0.002	57.432	TRUE	1.88E-12
Non-allergic asthma	PRELID1	rs79989845	A	G	0.246	0.041	0.058	2.77E-09	0.004	0.029	0.882	0.001	35.334	TRUE	2.93E-08
Non-allergic asthma	PRELID1	rs9313754	G	C	0.372	0.024	0.162	5.92E-53	0.032	0.022	0.138	0.007	234.585	TRUE	6.08E-44
Non-allergic asthma	PRKD1	rs10141422	C	G	0.114	0.016	0.068	1.24E-12	-0.004	0.037	0.924	0.002	50.424	TRUE	2.90E-11
Non-allergic asthma	PRKD1	rs10146369	T	G	0.100	0.012	0.127	1.09E-16	-0.018	0.026	0.481	0.002	68.799	TRUE	3.75E-14
Non-allergic asthma	PRKD1	rs10151420	A	G	0.179	0.020	0.045	4.33E-20	-0.033	0.042	0.421	0.003	84.256	TRUE	5.89E-17
Non-allergic asthma	PRKD1	rs111957472	T	C	-0.099	0.013	0.103	8.24E-14	0.014	0.024	0.579	0.002	55.743	TRUE	7.90E-12
Non-allergic asthma	PRKD1	rs117012778	T	C	0.248	0.026	0.028	4.65E-22	-0.027	0.041	0.516	0.003	93.224	TRUE	7.49E-19
Non-allergic asthma	PRKD1	rs1191554	T	G	-0.053	0.008	0.441	7.57E-11	0.014	0.016	0.373	0.001	42.364	TRUE	5.65E-09
Non-allergic asthma	PRKD1	rs146145499	G	A	0.397	0.052	0.013	3.59E-14	-0.077	0.100	0.438	0.002	57.380	TRUE	6.48E-12
Non-allergic asthma	PRKD1	rs1953721	A	C	0.133	0.009	0.294	3.08E-51	0.005	0.018	0.774	0.007	226.719	TRUE	6.39E-45
Non-allergic asthma	PRKD1	rs2333660	T	C	0.094	0.008	0.364	1.31E-29	-0.014	0.017	0.395	0.004	127.682	TRUE	4.40E-25
Non-allergic asthma	PRKD1	rs35129024	T	C	-0.109	0.010	0.236	5.67E-29	-0.020	0.018	0.270	0.004	124.778	TRUE	3.71E-24
Non-allergic asthma	PRKD1	rs35985349	C	T	0.158	0.021	0.043	3.89E-14	-0.045	0.043	0.290	0.002	57.219	TRUE	1.35E-11
Non-allergic asthma	PRKD1	rs36006259	T	C	-0.077	0.011	0.163	1.22E-11	0.005	0.020	0.817	0.001	45.941	TRUE	2.94E-10
Non-allergic asthma	PRKD1	rs45544532	T	C	0.272	0.032	0.022	1.98E-17	0.017	0.066	0.797	0.002	72.161	TRUE	2.61E-15
Non-allergic asthma	PRKD1	rs7157367	G	A	0.325	0.008	0.351	0.00E+00	-0.048	0.018	0.006	0.046	1532.769	TRUE	2.95E-278
Non-allergic asthma	PRKD1	rs73243906	G	A	0.203	0.019	0.049	1.88E-27	-0.072	0.049	0.142	0.004	117.833	TRUE	2.49E-22
Non-allergic asthma	PRKD1	rs76222154	T	C	0.276	0.019	0.050	2.80E-47	-0.065	0.059	0.270	0.007	208.571	TRUE	7.59E-40
Non-allergic asthma	PRKD1	rs77083303	A	G	-0.114	0.020	0.045	2.31E-08	0.005	0.034	0.885	0.001	31.211	TRUE	1.88E-07
Non-allergic asthma	PRKD1	rs78087503	T	C	0.291	0.052	0.016	1.62E-08	-0.066	0.084	0.432	0.001	31.898	TRUE	4.37E-07
Non-allergic asthma	PRKD1	rs8021375	A	G	-0.120	0.014	0.094	2.41E-17	0.037	0.024	0.119	0.002	71.774	TRUE	9.45E-14
Non-allergic asthma	RET	rs2435355	C	T	0.097	0.009	0.237	3.03E-25	-0.008	0.017	0.656	0.003	107.754	TRUE	6.72E-22
Non-allergic asthma	RET	rs2503841	C	T	-0.137	0.009	0.249	1.77E-50	0.037	0.018	0.037	0.007	223.237	TRUE	1.20E-40
Non-allergic asthma	RET	rs35800403	C	G	0.065	0.008	0.375	3.50E-15	0.007	0.016	0.650	0.002	61.958	TRUE	3.99E-13

Non-allergic asthma	RET	rs77362395	T	C	0.134	0.022	0.034	1.51E-09	0.062	0.050	0.218	0.001	36.513	TRUE	1.34E-07
Non-allergic asthma	RHOT1	rs1039402	T	C	-0.068	0.012	0.129	9.24E-09	-0.031	0.021	0.128	0.001	32.994	TRUE	9.83E-07
Non-allergic asthma	RHOT1	rs112029880	A	G	-0.091	0.010	0.202	4.15E-19	0.020	0.021	0.330	0.003	79.791	TRUE	6.55E-16
Non-allergic asthma	RHOT1	rs11650026	A	C	0.174	0.017	0.075	3.77E-24	-0.012	0.026	0.637	0.003	102.760	TRUE	6.59E-21
Non-allergic asthma	RHOT1	rs11654800	T	C	0.111	0.008	0.425	1.43E-40	-0.003	0.016	0.827	0.006	177.842	TRUE	1.08E-35
Non-allergic asthma	RHOT1	rs118105946	G	A	0.146	0.020	0.048	3.02E-13	-0.012	0.025	0.632	0.002	53.193	TRUE	2.04E-11
Non-allergic asthma	RHOT1	rs12944565	A	G	-0.166	0.009	0.312	8.68E-85	-0.007	0.017	0.683	0.012	380.696	TRUE	5.53E-74
Non-allergic asthma	RHOT1	rs141988744	C	T	-0.311	0.049	0.017	3.01E-10	0.033	0.137	0.807	0.001	39.668	TRUE	5.02E-09
Non-allergic asthma	RHOT1	rs144382041	A	G	-0.384	0.039	0.016	1.95E-23	-0.012	0.054	0.831	0.003	99.510	TRUE	1.22E-20
Non-allergic asthma	RHOT1	rs147933234	T	C	-0.325	0.027	0.027	1.49E-32	-0.066	0.042	0.116	0.004	141.149	TRUE	1.79E-26
Non-allergic asthma	RHOT1	rs147960200	T	C	0.202	0.032	0.018	2.40E-10	-0.045	0.060	0.457	0.001	40.104	TRUE	1.13E-08
Non-allergic asthma	RHOT1	rs149254344	G	C	-0.162	0.024	0.037	1.06E-11	-0.036	0.036	0.328	0.001	46.205	TRUE	1.29E-09
Non-allergic asthma	RHOT1	rs167298	A	G	-0.112	0.009	0.440	3.45E-38	-0.026	0.016	0.105	0.005	166.926	TRUE	3.74E-31
Non-allergic asthma	RHOT1	rs2905171	C	T	0.053	0.009	0.281	3.33E-09	-0.001	0.018	0.949	0.001	34.980	TRUE	2.92E-08
Non-allergic asthma	RHOT1	rs425309	T	C	-0.102	0.019	0.052	3.91E-08	-0.009	0.040	0.828	0.001	30.193	TRUE	3.41E-07
Non-allergic asthma	RHOT1	rs450735	T	C	-0.059	0.009	0.254	1.15E-10	-0.020	0.020	0.304	0.001	41.551	TRUE	1.06E-08
Non-allergic asthma	RHOT1	rs4795702	G	A	-0.070	0.009	0.269	1.13E-14	0.024	0.019	0.191	0.002	59.653	TRUE	8.53E-12
Non-allergic asthma	RHOT1	rs55861514	T	C	-0.133	0.022	0.035	3.00E-09	-0.009	0.060	0.879	0.001	35.181	TRUE	3.16E-08
Non-allergic asthma	RHOT1	rs62062229	C	T	0.070	0.009	0.256	3.46E-14	-0.008	0.018	0.647	0.002	57.453	TRUE	2.95E-12
Non-allergic asthma	RHOT1	rs62062440	C	T	0.186	0.014	0.116	3.62E-41	-0.015	0.025	0.548	0.006	180.569	TRUE	1.64E-35
Non-allergic asthma	RHOT1	rs6505264	A	G	-0.442	0.037	0.017	2.01E-33	-0.049	0.133	0.710	0.005	145.121	TRUE	3.71E-29
Non-allergic asthma	RHOT1	rs72825779	C	T	0.180	0.024	0.035	2.24E-14	0.050	0.039	0.198	0.002	58.308	TRUE	1.44E-11
Non-allergic asthma	RHOT1	rs739799	T	C	-0.418	0.042	0.016	6.13E-23	-0.003	0.047	0.956	0.003	97.237	TRUE	2.02E-20
Non-allergic asthma	RHOT1	rs79573699	T	C	-0.209	0.023	0.034	1.37E-19	-0.017	0.049	0.731	0.003	81.984	TRUE	4.26E-17
Non-allergic asthma	RHOT1	rs9902817	T	C	0.078	0.013	0.099	4.49E-09	0.013	0.029	0.656	0.001	34.396	TRUE	7.84E-08
Non-allergic asthma	RHOT1	rs9909295	C	T	-0.390	0.010	0.173	0.00E+00	-0.054	0.022	0.015	0.044	1442.611	TRUE	2.00E-263
Non-allergic asthma	SLC30A4	rs1554521	A	T	-0.071	0.009	0.278	1.89E-15	0.036	0.017	0.034	0.002	63.173	TRUE	1.33E-11
Non-allergic asthma	SMCR8	rs3764405	T	C	0.102	0.009	0.307	1.16E-32	0.046	0.017	0.005	0.004	141.648	TRUE	1.11E-24
Non-allergic asthma	SMCR8	rs71367439	T	C	0.153	0.026	0.035	3.07E-09	0.088	0.047	0.061	0.001	35.134	TRUE	7.46E-07
Non-allergic asthma	SPATA2	rs11697848	T	C	-0.152	0.020	0.040	8.00E-14	0.152	0.063	0.015	0.002	55.803	TRUE	5.27E-10
Non-allergic asthma	STBD1	rs111332382	C	T	-0.193	0.025	0.029	3.21E-14	0.030	0.039	0.444	0.002	57.599	TRUE	5.75E-12
Non-allergic asthma	STBD1	rs13131305	T	C	0.061	0.009	0.261	1.68E-11	0.001	0.017	0.967	0.001	45.306	TRUE	2.58E-10
Non-allergic asthma	STBD1	rs148787400	A	G	-0.148	0.024	0.031	5.94E-10	0.004	0.050	0.940	0.001	38.338	TRUE	6.51E-09
Non-allergic asthma	STBD1	rs1583943	G	A	0.076	0.011	0.147	1.71E-11	0.050	0.021	0.015	0.001	45.271	TRUE	3.47E-08
Non-allergic asthma	STBD1	rs1911737	C	T	-0.301	0.012	0.133	7.17E-149	0.055	0.023	0.016	0.021	675.225	TRUE	8.16E-123
Non-allergic asthma	STBD1	rs7671407	G	A	-0.086	0.009	0.287	1.20E-22	0.012	0.018	0.509	0.003	95.904	TRUE	2.40E-19
Non-allergic asthma	STBD1	rs7679463	C	A	0.156	0.008	0.465	7.53E-86	0.032	0.016	0.042	0.012	385.573	TRUE	1.28E-70
Non-allergic asthma	STBD1	rs77354349	G	A	-0.129	0.019	0.050	8.97E-12	0.058	0.042	0.164	0.001	46.539	TRUE	2.63E-09
Non-allergic asthma	STBD1	rs77402042	A	G	0.156	0.017	0.059	4.76E-19	0.003	0.032	0.921	0.003	79.522	TRUE	6.32E-17
Non-allergic asthma	STBD1	rs77514763	G	A	-0.071	0.008	0.353	1.24E-17	-0.003	0.016	0.829	0.002	73.088	TRUE	1.54E-15
Non-allergic asthma	STBD1	rs77630789	C	T	0.186	0.017	0.066	3.10E-27	0.025	0.032	0.433	0.004	116.841	TRUE	3.90E-23
Non-allergic asthma	STBD1	rs78723738	T	G	-0.143	0.018	0.051	5.73E-15	0.032	0.027	0.225	0.002	60.989	TRUE	3.88E-12

Non-allergic asthma	STBD1	rs78884349	G	A	0.120	0.021	0.041	1.78E-08	0.031	0.035	0.387	0.001	31.718	TRUE	5.45E-07
Non-allergic asthma	STRADB	rs7575721	C	T	-0.147	0.014	0.335	3.73E-26	0.033	0.016	0.044	0.004	111.908	TRUE	1.74E-20
Non-allergic asthma	STX4	rs1046276	T	C	0.312	0.008	0.375	0.00E+00	0.016	0.017	0.335	0.045	1508.584	TRUE	3.52E-283
Non-allergic asthma	STX4	rs11150606	C	T	-0.150	0.020	0.050	1.92E-13	-0.034	0.030	0.252	0.002	54.087	TRUE	6.29E-11
Non-allergic asthma	STX4	rs112766425	G	A	0.285	0.017	0.060	5.35E-60	-0.011	0.045	0.807	0.008	266.894	TRUE	1.08E-52
Non-allergic asthma	STX4	rs11642632	A	G	0.186	0.024	0.032	4.49E-15	0.007	0.053	0.895	0.002	61.468	TRUE	2.22E-13
Non-allergic asthma	STX4	rs116849262	A	G	-0.170	0.024	0.036	2.34E-12	0.084	0.035	0.016	0.002	49.176	TRUE	7.13E-09
Non-allergic asthma	STX4	rs117219760	G	T	0.277	0.042	0.024	2.61E-11	0.039	0.064	0.536	0.001	44.446	TRUE	1.30E-09
Non-allergic asthma	STX4	rs117829446	C	T	-0.152	0.013	0.099	1.30E-29	0.012	0.026	0.645	0.004	127.705	TRUE	1.09E-25
Non-allergic asthma	STX4	rs118151917	C	G	-0.324	0.054	0.014	2.02E-09	0.202	0.158	0.202	0.001	35.955	TRUE	1.84E-07
Non-allergic asthma	STX4	rs12918549	T	C	-0.059	0.009	0.340	4.73E-12	-0.037	0.017	0.033	0.002	47.792	TRUE	7.14E-09
Non-allergic asthma	STX4	rs138453524	A	G	0.282	0.035	0.019	1.55E-15	-0.051	0.056	0.365	0.002	63.561	TRUE	6.09E-13
Non-allergic asthma	STX4	rs139294330	G	A	-0.153	0.025	0.035	5.85E-10	-0.024	0.041	0.564	0.001	38.368	TRUE	1.74E-08
Non-allergic asthma	STX4	rs143159643	T	C	-0.325	0.058	0.014	1.57E-08	-0.014	0.059	0.812	0.001	31.968	TRUE	1.59E-07
Non-allergic asthma	STX4	rs146060040	T	C	0.255	0.037	0.017	8.39E-12	-0.084	0.090	0.350	0.001	46.671	TRUE	9.61E-10
Non-allergic asthma	STX4	rs147208188	A	G	0.305	0.027	0.024	2.78E-29	0.122	0.087	0.160	0.004	126.190	TRUE	5.72E-24
Non-allergic asthma	STX4	rs149949703	A	G	0.209	0.038	0.017	3.91E-08	-0.013	0.071	0.850	0.001	30.191	TRUE	3.24E-07
Non-allergic asthma	STX4	rs28385574	T	C	-0.209	0.017	0.068	8.78E-34	-0.106	0.031	6.16E-04	0.005	146.769	TRUE	1.26E-24
Non-allergic asthma	STX4	rs4321211	C	T	-0.049	0.008	0.493	6.72E-10	0.008	0.016	0.589	0.001	38.099	TRUE	1.82E-08
Non-allergic asthma	STX4	rs4447446	C	T	0.112	0.008	0.469	5.73E-45	0.009	0.016	0.561	0.006	197.981	TRUE	7.41E-39
Non-allergic asthma	STX4	rs4500746	T	C	0.069	0.009	0.303	1.32E-15	0.042	0.017	0.015	0.002	63.881	TRUE	1.99E-11
Non-allergic asthma	STX4	rs4889654	G	A	0.077	0.008	0.375	1.31E-20	-0.003	0.016	0.874	0.003	86.630	TRUE	3.15E-18
Non-allergic asthma	STX4	rs56142883	T	C	0.260	0.025	0.031	6.83E-25	0.070	0.048	0.145	0.003	106.145	TRUE	3.45E-20
Non-allergic asthma	STX4	rs72785572	C	T	0.194	0.018	0.063	1.48E-26	0.003	0.023	0.909	0.004	113.744	TRUE	1.57E-23
Non-allergic asthma	STX4	rs72785590	A	G	0.158	0.020	0.052	1.63E-15	0.040	0.025	0.105	0.002	63.466	TRUE	3.61E-12
Non-allergic asthma	STX4	rs72792516	C	T	-0.108	0.019	0.050	1.44E-08	-0.057	0.037	0.119	0.001	32.136	TRUE	1.50E-06
Non-allergic asthma	STX4	rs72800851	T	C	-0.203	0.033	0.021	4.75E-10	-0.010	0.042	0.809	0.001	38.776	TRUE	7.46E-09
Non-allergic asthma	STX4	rs74776661	A	C	-0.211	0.036	0.018	4.45E-09	0.089	0.138	0.517	0.001	34.413	TRUE	1.13E-07
Non-allergic asthma	STX4	rs75812329	A	G	0.112	0.018	0.076	4.48E-10	0.008	0.033	0.813	0.001	38.888	TRUE	7.02E-09
Non-allergic asthma	STX4	rs77353311	G	A	-0.199	0.014	0.098	3.68E-47	-0.014	0.025	0.581	0.007	208.026	TRUE	8.02E-41
Non-allergic asthma	STX4	rs79030220	T	C	-0.172	0.020	0.055	1.27E-18	0.063	0.035	0.073	0.002	77.580	TRUE	1.51E-14
Non-allergic asthma	TFRC	rs111647979	A	G	-0.394	0.052	0.012	2.60E-14	0.050	0.079	0.528	0.002	58.009	TRUE	3.49E-12
Non-allergic asthma	TFRC	rs115402043	G	A	-0.177	0.029	0.024	1.66E-09	0.018	0.058	0.761	0.001	36.339	TRUE	2.52E-08
Non-allergic asthma	TFRC	rs115451598	T	C	-0.499	0.056	0.015	3.37E-19	0.037	0.059	0.522	0.003	80.205	TRUE	2.16E-16
Non-allergic asthma	TFRC	rs11712192	A	G	0.097	0.012	0.207	7.11E-17	-0.026	0.019	0.161	0.002	69.637	TRUE	1.56E-13
Non-allergic asthma	TFRC	rs11924930	A	G	-0.078	0.009	0.326	5.41E-17	-0.011	0.017	0.511	0.002	70.176	TRUE	1.82E-14
Non-allergic asthma	TFRC	rs12630378	C	A	0.073	0.012	0.205	2.47E-09	-0.003	0.019	0.863	0.001	35.560	TRUE	2.77E-08
Non-allergic asthma	TFRC	rs13092095	T	C	0.103	0.010	0.232	1.55E-23	-0.028	0.018	0.109	0.003	99.961	TRUE	7.45E-19
Non-allergic asthma	TFRC	rs13092821	C	T	-0.169	0.019	0.061	2.44E-19	-0.023	0.034	0.501	0.003	80.841	TRUE	1.79E-16
Non-allergic asthma	TFRC	rs1355533	T	C	0.070	0.009	0.500	4.03E-16	0.003	0.016	0.843	0.002	66.220	TRUE	3.15E-14
Non-allergic asthma	TFRC	rs140366275	A	G	0.104	0.018	0.078	1.17E-08	0.011	0.026	0.666	0.001	32.536	TRUE	1.75E-07
Non-allergic asthma	TFRC	rs146159581	C	T	-0.084	0.013	0.155	4.15E-10	-0.025	0.020	0.221	0.001	39.040	TRUE	4.51E-08

Non-allergic asthma	TFRC	rs150966305	T	C	-0.262	0.029	0.031	3.68E-20	0.036	0.059	0.543	0.003	84.580	TRUE	2.92E-17
Non-allergic asthma	TFRC	rs2278034	C	T	-0.053	0.009	0.508	8.06E-10	0.009	0.016	0.559	0.001	37.744	TRUE	2.32E-08
Non-allergic asthma	TFRC	rs28429906	G	A	-0.340	0.011	0.207	1.54E-227	0.044	0.022	0.049	0.032	1037.044	TRUE	3.59E-191
Non-allergic asthma	TFRC	rs28651009	T	C	0.122	0.010	0.356	1.33E-36	-0.019	0.017	0.250	0.005	159.669	TRUE	1.32E-30
Non-allergic asthma	TFRC	rs34709234	A	C	0.094	0.011	0.249	4.14E-17	0.012	0.017	0.468	0.002	70.704	TRUE	1.73E-14
Non-allergic asthma	TFRC	rs4078528	G	T	-0.104	0.015	0.094	4.94E-12	0.072	0.037	0.051	0.002	47.706	TRUE	5.10E-09
Non-allergic asthma	TFRC	rs60801726	A	G	0.147	0.023	0.040	7.84E-11	0.012	0.052	0.814	0.001	42.294	TRUE	1.52E-09
Non-allergic asthma	TFRC	rs62409161	A	G	-0.360	0.020	0.049	2.62E-69	-0.073	0.050	0.141	0.010	309.622	TRUE	6.33E-58
Non-allergic asthma	TFRC	rs6583290	G	A	0.106	0.017	0.074	3.40E-10	-0.008	0.031	0.800	0.001	39.428	TRUE	5.69E-09
Non-allergic asthma	TFRC	rs6772320	A	T	0.153	0.015	0.108	4.46E-24	-0.021	0.022	0.319	0.003	102.428	TRUE	4.00E-20
Non-allergic asthma	TFRC	rs6782834	G	A	-0.089	0.009	0.315	2.92E-21	0.006	0.018	0.748	0.003	89.592	TRUE	1.38E-18
Non-allergic asthma	TFRC	rs6803107	A	G	-0.064	0.009	0.479	8.83E-12	-0.015	0.016	0.361	0.001	46.570	TRUE	9.61E-10
Non-allergic asthma	TFRC	rs6806773	A	G	0.057	0.010	0.224	4.85E-08	0.031	0.017	0.070	0.001	29.775	TRUE	5.97E-06
Non-allergic asthma	TFRC	rs73210053	A	G	-0.126	0.017	0.070	1.82E-13	0.012	0.029	0.678	0.002	54.187	TRUE	1.13E-11
Non-allergic asthma	TFRC	rs7374549	G	A	0.104	0.011	0.217	9.92E-23	-0.008	0.019	0.683	0.003	96.284	TRUE	9.36E-20
Non-allergic asthma	TFRC	rs7516	T	C	-0.088	0.014	0.110	5.90E-10	0.031	0.027	0.245	0.001	38.351	TRUE	5.39E-08
Non-allergic asthma	TFRC	rs7616515	A	G	0.085	0.009	0.439	3.65E-22	-0.003	0.016	0.865	0.003	93.708	TRUE	1.40E-19
Non-allergic asthma	TFRC	rs78530091	T	C	-0.111	0.010	0.228	2.92E-26	-0.007	0.018	0.687	0.004	112.396	TRUE	7.57E-23
Non-allergic asthma	TFRC	rs9814409	C	A	-0.222	0.012	0.146	2.02E-73	0.041	0.024	0.091	0.010	328.493	TRUE	6.50E-61
Non-allergic asthma	TFRC	rs9856595	G	A	-0.164	0.009	0.315	6.20E-68	0.009	0.017	0.605	0.009	303.313	TRUE	5.30E-59
Non-allergic asthma	TFRC	rs9859260	C	T	0.149	0.009	0.414	2.18E-63	-0.016	0.016	0.324	0.009	282.449	TRUE	5.76E-54
Non-allergic asthma	TFRC	rs9869170	G	A	-0.277	0.047	0.019	3.47E-09	-0.082	0.065	0.208	0.001	34.900	TRUE	2.79E-07
Non-allergic asthma	TFRC	rs9883951	A	G	-0.232	0.034	0.023	1.56E-11	-0.049	0.047	0.296	0.001	45.457	TRUE	2.04E-09
Non-allergic asthma	TNFRSF1A	rs10849439	G	A	0.064	0.010	0.192	2.36E-10	0.015	0.019	0.420	0.001	40.137	TRUE	1.26E-08
Non-allergic asthma	TNFRSF1A	rs1800692	A	G	0.254	0.008	0.381	6.71E-214	0.034	0.016	0.039	0.030	974.304	TRUE	3.22E-179
Non-allergic asthma	TNFRSF1A	rs2286716	T	G	0.147	0.024	0.049	7.86E-10	0.077	0.041	0.058	0.001	37.793	TRUE	2.63E-07
Non-allergic asthma	TNFRSF1A	rs34819705	C	G	-0.190	0.013	0.107	6.35E-49	0.022	0.021	0.300	0.007	216.105	TRUE	2.17E-41
Non-allergic asthma	TNFRSF1A	rs36205633	A	G	-0.156	0.017	0.061	1.03E-20	0.003	0.038	0.933	0.003	87.092	TRUE	2.05E-18
Non-allergic asthma	TNFRSF1A	rs4149579	T	C	0.228	0.017	0.067	8.48E-39	0.043	0.034	0.203	0.005	169.719	TRUE	2.86E-32
Non-allergic asthma	TNFRSF1A	rs4764580	T	C	-0.090	0.010	0.429	4.36E-18	-0.012	0.016	0.465	0.002	75.147	TRUE	2.53E-15
Non-allergic asthma	TNFRSF1A	rs5742912	G	A	0.240	0.038	0.017	2.27E-10	0.045	0.071	0.527	0.001	40.213	TRUE	8.61E-09
Non-allergic asthma	TNFRSF1A	rs61918248	C	T	-0.075	0.010	0.427	3.48E-15	-0.023	0.016	0.153	0.002	61.971	TRUE	4.25E-12
Non-allergic asthma	TNFRSF1A	rs62622412	A	G	-0.122	0.018	0.062	2.00E-11	0.048	0.030	0.115	0.001	44.965	TRUE	7.44E-09
Non-allergic asthma	TNFRSF1A	rs71445103	A	G	-0.081	0.015	0.087	4.78E-08	-0.008	0.031	0.805	0.001	29.803	TRUE	4.29E-07
Non-allergic asthma	UNC13D	rs113062332	A	G	-0.151	0.024	0.032	1.40E-10	0.074	0.049	0.126	0.001	41.160	TRUE	3.31E-08
Non-allergic asthma	UNC13D	rs146775727	T	C	-0.199	0.036	0.018	3.69E-08	-0.054	0.083	0.513	0.001	30.305	TRUE	6.98E-07
Non-allergic asthma	UNC13D	rs147677775	A	G	-0.253	0.025	0.027	2.18E-24	-0.029	0.076	0.699	0.003	103.842	TRUE	3.11E-21
Non-allergic asthma	UNC13D	rs2244377	A	G	-0.090	0.009	0.317	4.87E-26	0.028	0.018	0.125	0.004	111.380	TRUE	4.77E-21
Non-allergic asthma	UNC13D	rs2290769	C	G	-0.244	0.010	0.200	4.28E-135	0.052	0.021	0.013	0.019	611.883	TRUE	6.18E-111
Non-allergic asthma	UNC13D	rs2305347	T	C	-0.063	0.011	0.166	6.07E-09	-0.033	0.020	0.099	0.001	33.810	TRUE	8.74E-07
Non-allergic asthma	UNC13D	rs2444842	A	G	-0.079	0.012	0.183	3.46E-11	-0.004	0.021	0.843	0.001	43.893	TRUE	6.84E-10
Non-allergic asthma	UNC13D	rs55853884	T	C	0.117	0.021	0.042	2.60E-08	-0.005	0.045	0.917	0.001	30.983	TRUE	1.94E-07

Non-allergic asthma	UNC13D	rs9915313	T	G	-0.071	0.011	0.259	1.56E-10	0.008	0.018	0.646	0.001	40.947	TRUE	4.39E-09
Non-allergic asthma	UNC13D	rs9916685	A	G	0.258	0.019	0.050	6.54E-41	-0.033	0.041	0.432	0.006	179.394	TRUE	5.94E-35
Non-allergic asthma	VAMP8	rs10196372	A	G	-0.320	0.008	0.308	0.00E+00	-0.012	0.017	0.468	0.043	1434.912	TRUE	9.21E-271
Non-allergic asthma	VAMP8	rs1049359	G	A	0.259	0.017	0.061	2.44E-52	0.009	0.049	0.861	0.007	231.768	TRUE	4.04E-46
Non-allergic asthma	VAMP8	rs111267904	G	C	-0.222	0.030	0.023	6.64E-14	-0.073	0.043	0.087	0.002	56.168	TRUE	9.37E-11
Non-allergic asthma	VAMP8	rs111399212	C	T	0.159	0.029	0.022	2.79E-08	0.030	0.057	0.595	0.001	30.850	TRUE	4.43E-07
Non-allergic asthma	VAMP8	rs1130866	G	A	0.050	0.008	0.479	3.39E-10	0.016	0.016	0.311	0.001	39.436	TRUE	2.54E-08
Non-allergic asthma	VAMP8	rs115602452	A	G	0.143	0.024	0.031	3.51E-09	0.054	0.032	0.089	0.001	34.876	TRUE	6.17E-07
Non-allergic asthma	VAMP8	rs116298919	T	C	-0.338	0.035	0.014	1.43E-21	0.017	0.062	0.783	0.003	91.002	TRUE	6.41E-19
Non-allergic asthma	VAMP8	rs1254900	A	G	0.216	0.010	0.230	8.42E-97	0.030	0.021	0.143	0.014	435.877	TRUE	1.79E-81
Non-allergic asthma	VAMP8	rs13414113	G	A	-0.101	0.008	0.441	9.56E-35	0.016	0.016	0.300	0.005	151.171	TRUE	3.33E-29
Non-allergic asthma	VAMP8	rs1347690	T	A	0.107	0.014	0.342	1.43E-14	0.003	0.017	0.852	0.002	59.191	TRUE	7.04E-13
Non-allergic asthma	VAMP8	rs140867623	A	G	0.245	0.031	0.019	2.81E-15	0.009	0.060	0.883	0.002	62.390	TRUE	1.52E-13
Non-allergic asthma	VAMP8	rs142873525	C	T	0.202	0.012	0.163	1.76E-67	-0.018	0.020	0.361	0.009	301.228	TRUE	1.14E-57
Non-allergic asthma	VAMP8	rs144069380	A	G	-0.200	0.031	0.018	1.30E-10	0.002	0.051	0.963	0.001	41.301	TRUE	1.60E-09
Non-allergic asthma	VAMP8	rs144165468	G	A	-0.374	0.063	0.039	2.71E-09	-0.059	0.036	0.100	0.001	35.381	TRUE	4.54E-07
Non-allergic asthma	VAMP8	rs145376552	A	G	-0.374	0.022	0.038	2.75E-67	0.069	0.038	0.071	0.009	300.344	TRUE	1.97E-55
Non-allergic asthma	VAMP8	rs145912999	A	G	-0.153	0.017	0.058	2.77E-19	-0.027	0.029	0.350	0.003	80.593	TRUE	4.17E-16
Non-allergic asthma	VAMP8	rs147199492	T	C	-0.132	0.018	0.063	6.16E-14	0.036	0.037	0.331	0.002	56.316	TRUE	1.63E-11
Non-allergic asthma	VAMP8	rs150664639	T	C	0.226	0.024	0.033	7.57E-22	0.025	0.040	0.540	0.003	92.262	TRUE	1.02E-18
Non-allergic asthma	VAMP8	rs17026212	T	G	-0.054	0.008	0.474	1.77E-11	-0.023	0.016	0.147	0.001	45.204	TRUE	5.21E-09
Non-allergic asthma	VAMP8	rs186268151	T	C	-0.396	0.043	0.014	3.15E-20	0.018	0.088	0.839	0.003	84.889	TRUE	7.79E-18
Non-allergic asthma	VAMP8	rs4616480	A	G	-0.149	0.008	0.373	2.64E-73	-0.001	0.017	0.963	0.010	327.967	TRUE	7.43E-65
Non-allergic asthma	VAMP8	rs57481159	A	G	0.156	0.021	0.041	5.44E-14	0.010	0.039	0.803	0.002	56.562	TRUE	2.65E-12
Non-allergic asthma	VAMP8	rs59102074	C	T	0.052	0.009	0.246	1.50E-08	0.006	0.019	0.746	0.001	32.045	TRUE	1.79E-07
Non-allergic asthma	VAMP8	rs60250855	A	G	0.090	0.009	0.265	5.95E-23	0.001	0.017	0.959	0.003	97.296	TRUE	1.95E-20
Non-allergic asthma	VAMP8	rs60525968	G	A	-0.092	0.015	0.083	1.75E-09	0.014	0.022	0.519	0.001	36.229	TRUE	5.07E-08
Non-allergic asthma	VAMP8	rs62162714	T	C	0.100	0.014	0.100	4.02E-13	-0.007	0.030	0.815	0.002	52.629	TRUE	1.48E-11
Non-allergic asthma	VAMP8	rs62166770	G	T	-0.362	0.009	0.247	0.00E+00	-0.045	0.020	0.023	0.048	1609.912	TRUE	8.02E-295
Non-allergic asthma	VAMP8	rs6716601	A	G	-0.073	0.010	0.226	2.05E-14	-0.020	0.021	0.341	0.002	58.482	TRUE	6.12E-12
Non-allergic asthma	VAMP8	rs6719105	G	A	-0.067	0.011	0.204	2.69E-10	0.021	0.019	0.273	0.001	39.882	TRUE	2.47E-08
Non-allergic asthma	VAMP8	rs72838685	C	T	-0.094	0.017	0.080	1.82E-08	-0.005	0.029	0.875	0.001	31.677	TRUE	1.56E-07
Non-allergic asthma	VAMP8	rs72844443	T	C	0.221	0.016	0.071	1.82E-43	0.021	0.025	0.413	0.006	191.098	TRUE	4.20E-37
Non-allergic asthma	VAMP8	rs73943091	A	G	-0.139	0.013	0.101	1.59E-25	-0.026	0.027	0.346	0.003	109.033	TRUE	1.94E-21
Non-allergic asthma	VAMP8	rs74777628	A	G	-0.283	0.037	0.016	2.68E-14	-0.174	0.121	0.151	0.002	57.954	TRUE	2.37E-11
Non-allergic asthma	VAMP8	rs74974338	A	C	-0.480	0.040	0.014	1.26E-32	0.029	0.079	0.713	0.004	141.473	TRUE	1.82E-28
Non-allergic asthma	VAMP8	rs75577639	T	C	-0.395	0.022	0.042	1.43E-70	-0.063	0.039	0.107	0.010	315.413	TRUE	1.11E-58
Non-allergic asthma	VAMP8	rs78310123	A	G	0.237	0.015	0.075	1.09E-54	0.070	0.027	0.009	0.008	242.540	TRUE	4.19E-43
Non-allergic asthma	VAMP8	rs9751361	T	A	-0.252	0.010	0.197	1.90E-142	-0.028	0.020	0.147	0.020	645.689	TRUE	1.21E-120
Non-allergic asthma	VPS26B	rs10894772	T	A	-0.166	0.020	0.138	5.19E-17	-0.031	0.024	0.206	0.002	70.257	TRUE	8.46E-14
Non-allergic asthma	VPS26B	rs1144230	C	T	0.065	0.012	0.524	4.17E-08	-0.008	0.016	0.615	0.001	30.066	TRUE	5.96E-07
Non-allergic asthma	VPS26B	rs1267746	A	C	-0.106	0.015	0.186	2.93E-12	-0.006	0.018	0.755	0.002	48.731	TRUE	1.01E-10

Non-allergic asthma	VPS26B	rs570113	T	C	0.150	0.013	0.313	4.21E-32	0.046	0.019	0.016	0.004	139.081	TRUE	8.37E-25
Non-allergic asthma	YWHAQ	rs10929608	C	A	0.277	0.014	0.307	2.91E-86	0.046	0.017	0.008	0.012	387.469	TRUE	2.28E-69
Non-allergic asthma	YWHAQ	rs11689299	T	C	-0.118	0.014	0.354	8.10E-18	0.020	0.016	0.211	0.002	73.924	TRUE	1.72E-14
Non-allergic asthma	YWHAQ	rs12474379	G	T	-0.116	0.019	0.139	1.06E-09	0.014	0.025	0.568	0.001	37.215	TRUE	2.85E-08
Non-allergic asthma	YWHAQ	rs12619452	A	G	0.111	0.015	0.274	1.55E-13	0.006	0.017	0.740	0.002	54.499	TRUE	8.10E-12

PCD, programmed cell death; SNP, single nucleotide polymorphsim

Table S10. SMR analysis of associations between proteins encoded by PCD-related genes and asthma*

Outcome	Gene	topSNP	Beta	SE	OR (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
Overall asthma	HSPA1A	rs6929057	-1.615	0.180	0.199 (0.140, 0.283)	3.31E-19	5.76E-17	0.272	20
Overall asthma	IDUA	rs3733345	0.076	0.021	1.079 (1.035, 1.124)	3.50E-04	0.020	0.017	20
Overall asthma	NMT1	rs1053733	0.933	0.268	2.542 (1.504, 4.294)	4.91E-04	0.021	0.806	19
Overall asthma	IL6R	rs12126142	0.027	0.010	1.027 (1.008, 1.046)	0.005	0.114	0.196	20
Overall asthma	IL6R	rs12126142	0.027	0.010	1.027 (1.008, 1.046)	0.005	0.114	0.196	20
Overall asthma	PPID	rs17843929	-0.105	0.042	0.900 (0.830, 0.976)	0.011	0.139	0.076	20
Overall asthma	IRF2	rs3775576	-0.579	0.221	0.560 (0.363, 0.864)	0.009	0.139	0.506	10
Overall asthma	GAPDH	rs12425927	-0.483	0.190	0.617 (0.425, 0.896)	0.011	0.139	0.250	20
Overall asthma	TMEM106B	rs3173615	-0.224	0.088	0.799 (0.673, 0.949)	0.010	0.139	0.144	20
Overall asthma	TFRC	rs3827554	0.342	0.137	1.407 (1.075, 1.842)	0.013	0.149	0.279	20
Overall asthma	MANBA	rs223492	-0.054	0.023	0.947 (0.907, 0.990)	0.016	0.161	0.038	20
Overall asthma	P4HB	rs62079523	-0.189	0.079	0.828 (0.710, 0.966)	0.017	0.161	0.084	20
Overall asthma	UNC5B	rs12262480	-0.223	0.097	0.800 (0.662, 0.968)	0.022	0.197	0.481	20
Overall asthma	INHBB	rs17050272	-0.059	0.028	0.943 (0.892, 0.997)	0.039	0.285	0.476	20
Overall asthma	CHMP2B	rs300996	0.083	0.040	1.086 (1.004, 1.175)	0.040	0.285	0.145	20
Allergic asthma	HSPA1A	rs6929057	-1.484	0.196	0.227 (0.154, 0.333)	3.73E-14	6.49E-12	0.021	20
Allergic asthma	MANBA	rs223492	-0.095	0.031	0.909 (0.855, 0.967)	0.002	0.056	0.612	20
Allergic asthma	TNFAIP3	rs5029939	-0.433	0.138	0.649 (0.495, 0.850)	0.002	0.056	0.276	20
Allergic asthma	CAMP	rs55771110	0.476	0.158	1.609 (1.181, 2.192)	0.003	0.056	0.578	20
Allergic asthma	PTGDS	rs7040970	-0.271	0.098	0.763 (0.629, 0.925)	0.006	0.103	0.109	20
Allergic asthma	YWHAB	rs6031847	0.236	0.090	1.266 (1.061, 1.510)	0.009	0.138	0.945	20
Allergic asthma	ELANE	rs10409474	0.108	0.049	1.114 (1.012, 1.227)	0.027	0.271	0.936	19
Allergic asthma	MAPK3	rs6565175	-0.132	0.057	0.876 (0.783, 0.980)	0.020	0.271	0.750	20
Allergic asthma	TNFRSF1B	rs2301258	0.272	0.126	1.313 (1.024, 1.682)	0.031	0.271	0.112	20
Allergic asthma	TNFRSF1B	rs2301258	0.272	0.126	1.313 (1.024, 1.682)	0.031	0.271	0.112	20
Allergic asthma	TNFRSF1B	rs2301258	0.272	0.126	1.313 (1.024, 1.682)	0.031	0.271	0.112	20
Allergic asthma	TNFRSF1B	rs2301258	0.272	0.126	1.313 (1.024, 1.682)	0.031	0.271	0.112	20
Allergic asthma	CALCOCO2	rs497270	0.344	0.161	1.410 (1.029, 1.934)	0.033	0.271	0.035	20
Allergic asthma	NFKB1	rs230539	-0.479	0.222	0.619 (0.401, 0.957)	0.031	0.271	0.271	20
Allergic asthma	ICAM1	rs5498	-0.025	0.012	0.975 (0.953, 0.998)	0.035	0.273	0.782	20
Allergic asthma	IGF2R	rs3777399	0.072	0.036	1.075 (1.001, 1.153)	0.046	0.331	0.741	20
Non-allergic asthma	HSPA1A	rs6929057	-1.182	0.199	0.307 (0.208, 0.453)	2.75E-09	4.79E-07	0.326	20
Non-allergic asthma	HSPA1B	rs28414666	-1.997	0.401	0.136 (0.062, 0.298)	6.21E-07	5.40E-05	0.011	20
Non-allergic asthma	MAPK3	rs6565175	-0.187	0.067	0.829 (0.728, 0.945)	0.005	0.288	0.039	20
Non-allergic asthma	PLCG1	rs753381	-0.574	0.248	0.563 (0.347, 0.915)	0.021	0.686	0.760	20

* Only associations meeting the criteria of $P < 0.05$, P-HEIDI > 0.01, and passing sensitivity analysis are presented

SMR, Summary data-level Mendelian randomization; PCD, programmed cell death; OR, odds ratio; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim;

Table S11. Sensitivity analysis of associations between proteins encoded by PCD-related genes and asthma*

Outcome	Gene	nSNP	Method	Beta	SE	OR (95%CI)	P	Egger_intercept	P_Egger_intercept
Overall asthma	HSPA1A	14	Inverse variance weighted	-0.506	0.218	0.603 (0.393, 0.925)	0.020	0.098	0.079
Overall asthma	IDUA	79	Inverse variance weighted	0.028	0.009	1.029 (1.010, 1.048)	0.002	0.000	0.913
Overall asthma	NMT1	1	Wald ratio	0.933	0.210	2.542 (1.683, 3.839)	9.29E-06	NA	NA
Overall asthma	IL6R	133	Inverse variance weighted	0.017	0.006	1.017 (1.005, 1.029)	0.005	-0.001	0.781
Overall asthma	IL6R	133	Inverse variance weighted	0.017	0.006	1.017 (1.005, 1.029)	0.005	-0.001	0.781
Overall asthma	PPID	21	Inverse variance weighted	-0.052	0.023	0.949 (0.907, 0.993)	0.025	-0.004	0.522
Overall asthma	IRF2	1	Wald ratio	-0.579	0.198	0.560 (0.380, 0.826)	0.003	NA	NA
Overall asthma	GAPDH	1	Wald ratio	-0.483	0.173	0.617 (0.439, 0.867)	0.005	NA	NA
Overall asthma	TMEM106B	2	Inverse variance weighted	-0.205	0.078	0.815 (0.699, 0.950)	0.009	NA	NA
Overall asthma	TFRC	3	Inverse variance weighted	0.382	0.097	1.465 (1.212, 1.772)	8.05E-05	0.051	0.575
Overall asthma	MANBA	58	Inverse variance weighted	-0.064	0.013	0.938 (0.914, 0.963)	1.40E-06	0.009	0.052
Overall asthma	P4HB	4	Inverse variance weighted	-0.155	0.062	0.856 (0.759, 0.966)	0.012	0.018	0.456
Overall asthma	UNC5B	21	Inverse variance weighted	-0.074	0.034	0.928 (0.868, 0.993)	0.030	0.009	0.242
Overall asthma	INHBB	24	Inverse variance weighted	-0.058	0.023	0.944 (0.903, 0.986)	0.010	0.001	0.838
Overall asthma	CHMP2B	28	Inverse variance weighted	0.074	0.026	1.077 (1.024, 1.133)	0.004	-0.001	0.914
Allergic asthma	HSPA1A	14	Inverse variance weighted	-0.698	0.196	0.498 (0.339, 0.731)	3.81E-04	-0.003	0.964
Allergic asthma	MANBA	60	Inverse variance weighted	-0.041	0.019	0.959 (0.925, 0.995)	0.026	-0.004	0.552
Allergic asthma	TNFAIP3	5	Inverse variance weighted	-0.363	0.096	0.696 (0.576, 0.841)	1.71E-04	-0.002	0.924
Allergic asthma	CAMP	1	Wald ratio	0.476	0.149	1.609 (1.201, 2.157)	0.001	NA	NA
Allergic asthma	PTGDS	7	Inverse variance weighted	-0.191	0.065	0.826 (0.727, 0.938)	0.003	0.001	0.937
Allergic asthma	YWHAB	8	Inverse variance weighted	0.222	0.066	1.249 (1.098, 1.420)	7.10E-04	-0.006	0.713
Allergic asthma	ELANE	66	Inverse variance weighted	0.057	0.024	1.059 (1.011, 1.109)	0.015	-0.006	0.276
Allergic asthma	MAPK3	19	Inverse variance weighted	-0.174	0.042	0.840 (0.773, 0.913)	3.91E-05	-0.010	0.567
Allergic asthma	TNFRSF1B	8	Inverse variance weighted	0.173	0.073	1.189 (1.031, 1.371)	0.018	-0.001	0.946
Allergic asthma	TNFRSF1B	8	Inverse variance weighted	0.173	0.073	1.189 (1.031, 1.371)	0.018	-0.001	0.946
Allergic asthma	TNFRSF1B	8	Inverse variance weighted	0.173	0.073	1.189 (1.031, 1.371)	0.018	-0.001	0.946
Allergic asthma	TNFRSF1B	8	Inverse variance weighted	0.173	0.073	1.189 (1.031, 1.371)	0.018	-0.001	0.946
Allergic asthma	CALCOCO2	2	Inverse variance weighted	0.787	0.196	2.197 (1.496, 3.227)	5.97E-05	NA	NA
Allergic asthma	NFKB1	1	Wald ratio	-0.479	0.213	0.619 (0.408, 0.941)	0.025	NA	NA
Allergic asthma	ICAM1	152	Inverse variance weighted	-0.016	0.008	0.984 (0.969, 0.999)	0.036	0.006	0.138
Allergic asthma	IGF2R	69	Inverse variance weighted	0.065	0.018	1.067 (1.030, 1.106)	3.49E-04	0.004	0.389
Non-allergic asthma	HSPA1A	14	Inverse variance weighted	-0.570	0.154	0.566 (0.418, 0.765)	2.19E-04	0.027	0.572
Non-allergic asthma	HSPA1B	3	Inverse variance weighted	-1.323	0.549	0.266 (0.091, 0.782)	0.016	0.362	0.157
Non-allergic asthma	MAPK3	19	Inverse variance weighted	-0.223	0.052	0.800 (0.722, 0.886)	2.05E-05	-0.033	0.102
Non-allergic asthma	PLCG1	2	Inverse variance weighted	-0.619	0.190	0.538 (0.371, 0.781)	0.001	NA	NA

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SNP, single nucleotide polymorphsim; OR odds ratio; CI, confidence interval

Table S12. Genetic instruments for sensitivity analysis of PCD-related gene-encoded proteins in relation to asthma

Outcome	Gene	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
Overall asthma	CBL	rs112233726	A	G	0.117	0.016	0.063	1.22E-12	0.015	0.022	0.500	0.001	50.459	TRUE	3.78E-11
Overall asthma	CBL	rs1131467	C	T	-0.066	0.010	0.788	7.18E-12	-0.006	0.012	0.650	0.001	46.976	TRUE	1.24E-10
Overall asthma	CBL	rs2509671	A	C	0.088	0.009	0.311	2.62E-24	0.025	0.010	0.018	0.003	103.478	TRUE	1.68E-19
Overall asthma	CBL	rs35929108	A	G	-0.096	0.015	0.074	4.21E-10	0.025	0.018	0.160	0.001	39.012	TRUE	2.28E-08
Overall asthma	CBL	rs45495892	T	A	-0.222	0.040	0.010	2.74E-08	-0.063	0.037	0.092	0.001	30.882	TRUE	1.30E-06
Overall asthma	CBL	rs626776	G	C	-0.075	0.008	0.659	3.56E-19	0.017	0.010	0.093	0.002	80.096	TRUE	5.96E-16
Overall asthma	CBL	rs71484135	T	C	-0.080	0.013	0.107	7.03E-10	-0.001	0.015	0.930	0.001	38.011	TRUE	4.02E-09
Overall asthma	CBL	rs73564493	A	G	-0.254	0.018	0.051	4.73E-44	-0.056	0.018	0.003	0.005	193.781	TRUE	1.52E-35
Overall asthma	CHMP2B	rs113716282	A	T	0.226	0.019	0.046	3.57E-32	-0.025	0.021	0.220	0.004	139.408	TRUE	5.32E-28
Overall asthma	CHMP2B	rs115718803	A	C	0.187	0.031	0.017	2.89E-09	0.006	0.042	0.890	0.001	35.255	TRUE	1.58E-08
Overall asthma	CHMP2B	rs115730960	G	A	0.222	0.025	0.027	1.06E-18	0.023	0.027	0.390	0.002	77.936	TRUE	2.11E-16
Overall asthma	CHMP2B	rs116323957	A	G	0.176	0.028	0.021	1.92E-10	-0.018	0.030	0.550	0.001	40.547	TRUE	3.01E-09
Overall asthma	CHMP2B	rs116611298	A	G	0.182	0.023	0.033	1.24E-15	0.019	0.033	0.560	0.002	63.997	TRUE	6.32E-14
Overall asthma	CHMP2B	rs13074432	G	T	0.065	0.008	0.604	4.93E-15	0.009	0.010	0.390	0.002	61.286	TRUE	4.06E-13
Overall asthma	CHMP2B	rs146570839	C	T	0.146	0.026	0.025	1.67E-08	0.035	0.046	0.450	0.001	31.849	TRUE	2.09E-07
Overall asthma	CHMP2B	rs147215316	T	C	0.194	0.035	0.013	2.34E-08	0.130	0.039	0.001	0.001	31.190	TRUE	1.07E-05
Overall asthma	CHMP2B	rs147716426	A	G	-0.143	0.026	0.024	3.33E-08	-0.012	0.030	0.700	0.001	30.506	TRUE	2.23E-07
Overall asthma	CHMP2B	rs150931928	C	T	0.163	0.028	0.021	7.95E-09	-0.038	0.039	0.320	0.001	33.286	TRUE	1.51E-07
Overall asthma	CHMP2B	rs1986448	A	T	-0.096	0.011	0.152	1.34E-17	-0.016	0.013	0.220	0.002	72.929	TRUE	4.82E-15
Overall asthma	CHMP2B	rs2136546	G	A	-0.097	0.014	0.102	6.89E-13	-0.004	0.017	0.810	0.001	51.571	TRUE	9.47E-12
Overall asthma	CHMP2B	rs2575790	T	G	0.067	0.008	0.624	2.21E-15	0.000	0.010	0.990	0.002	62.869	TRUE	3.11E-14
Overall asthma	CHMP2B	rs2642335	A	T	0.101	0.018	0.943	1.40E-08	0.040	0.020	0.042	0.001	32.192	TRUE	1.13E-06
Overall asthma	CHMP2B	rs300996	T	G	0.242	0.008	0.357	9.54E-184	0.020	0.010	0.039	0.023	835.611	TRUE	1.08E-160
Overall asthma	CHMP2B	rs35147577	G	A	-0.055	0.009	0.322	2.63E-10	0.001	0.010	0.940	0.001	39.928	TRUE	1.60E-09
Overall asthma	CHMP2B	rs35450682	T	C	-0.084	0.015	0.081	2.64E-08	-0.026	0.018	0.140	0.001	30.957	TRUE	8.64E-07
Overall asthma	CHMP2B	rs62267014	G	A	-0.061	0.009	0.242	1.23E-10	0.009	0.011	0.420	0.001	41.422	TRUE	3.09E-09
Overall asthma	CHMP2B	rs6782359	G	T	0.075	0.009	0.278	1.02E-16	0.001	0.010	0.920	0.002	68.925	TRUE	2.31E-15
Overall asthma	CHMP2B	rs73124089	T	C	-0.095	0.015	0.085	9.02E-11	0.015	0.019	0.450	0.001	42.021	TRUE	2.14E-09
Overall asthma	CHMP2B	rs73134222	C	T	0.178	0.023	0.032	1.92E-14	-0.013	0.023	0.560	0.002	58.608	TRUE	7.25E-13
Overall asthma	CHMP2B	rs73140234	G	A	-0.146	0.026	0.024	2.93E-08	-0.068	0.039	0.083	0.001	30.754	TRUE	1.45E-06
Overall asthma	CHMP2B	rs7431413	C	T	0.177	0.026	0.976	9.19E-12	-0.035	0.049	0.470	0.001	46.491	TRUE	2.45E-10
Overall asthma	CHMP2B	rs77555530	A	G	-0.129	0.017	0.060	1.19E-14	-0.026	0.019	0.180	0.002	59.556	TRUE	2.48E-12
Overall asthma	CHMP2B	rs78375387	C	A	-0.090	0.011	0.143	5.12E-15	-0.015	0.013	0.260	0.002	61.211	TRUE	7.62E-13
Overall asthma	CHMP2B	rs79710698	G	A	0.141	0.021	0.038	3.87E-11	0.023	0.021	0.290	0.001	43.674	TRUE	1.74E-09
Overall asthma	CHMP2B	rs9814510	C	A	0.086	0.009	0.301	1.19E-22	0.005	0.010	0.600	0.003	95.922	TRUE	2.73E-20
Overall asthma	CHMP2B	rs9841244	G	A	0.125	0.013	0.106	4.94E-21	0.018	0.016	0.250	0.002	88.551	TRUE	3.47E-18
Overall asthma	CTSB	rs10107540	C	G	-0.167	0.014	0.097	5.17E-35	-0.009	0.016	0.600	0.004	152.394	TRUE	1.84E-31
Overall asthma	CTSB	rs1043180	T	C	0.218	0.013	0.104	8.96E-61	0.017	0.015	0.240	0.008	270.456	TRUE	1.21E-53
Overall asthma	CTSB	rs10903337	C	G	0.161	0.009	0.264	5.19E-70	-0.031	0.011	0.006	0.009	312.849	TRUE	1.71E-58
Overall asthma	CTSB	rs111399861	T	G	0.107	0.019	0.048	1.46E-08	0.001	0.020	0.950	0.001	32.099	TRUE	6.27E-08

Overall asthma	CTSB	rs112840918	A	G	0.176	0.031	0.018	1.30E-08	0.011	0.036	0.750	0.001	32.331	TRUE	8.23E-08
Overall asthma	CTSB	rs112860567	C	G	0.078	0.013	0.116	5.78E-10	-0.011	0.014	0.460	0.001	38.392	TRUE	1.10E-08
Overall asthma	CTSB	rs113225536	T	C	-0.154	0.025	0.027	3.68E-10	0.002	0.023	0.930	0.001	39.276	TRUE	2.25E-09
Overall asthma	CTSB	rs117492768	T	G	-0.184	0.032	0.016	1.19E-08	0.044	0.062	0.480	0.001	32.495	TRUE	1.44E-07
Overall asthma	CTSB	rs117502074	G	C	-0.279	0.019	0.044	8.79E-47	0.001	0.023	0.950	0.006	206.294	TRUE	6.08E-43
Overall asthma	CTSB	rs11774549	A	G	0.046	0.008	0.422	1.22E-08	-0.011	0.010	0.280	0.001	32.455	TRUE	2.66E-07
Overall asthma	CTSB	rs11783694	C	T	0.052	0.009	0.263	1.35E-08	0.015	0.012	0.210	0.001	32.250	TRUE	3.66E-07
Overall asthma	CTSB	rs117989794	T	C	-0.359	0.035	0.012	2.78E-24	-0.024	0.041	0.560	0.003	103.361	TRUE	1.04E-21
Overall asthma	CTSB	rs118105989	T	C	0.454	0.026	0.024	3.96E-66	0.016	0.037	0.670	0.008	295.028	TRUE	7.44E-60
Overall asthma	CTSB	rs118151985	T	C	-0.146	0.024	0.028	1.08E-09	0.048	0.029	0.093	0.001	37.180	TRUE	7.81E-08
Overall asthma	CTSB	rs12335016	G	A	0.324	0.037	0.013	9.59E-19	-0.110	0.065	0.100	0.002	78.137	TRUE	1.38E-15
Overall asthma	CTSB	rs12545407	G	A	-0.365	0.049	0.006	1.03E-13	-0.028	0.061	0.650	0.002	55.311	TRUE	2.64E-12
Overall asthma	CTSB	rs1293306	T	C	0.095	0.009	0.320	5.67E-28	-0.004	0.010	0.670	0.003	120.209	TRUE	3.14E-25
Overall asthma	CTSB	rs1293308	C	G	0.722	0.027	0.023	4.31E-160	-0.048	0.026	0.068	0.020	726.823	TRUE	2.04E-140
Overall asthma	CTSB	rs1293314	C	T	0.263	0.018	0.948	1.62E-47	0.022	0.025	0.380	0.006	209.666	TRUE	3.30E-42
Overall asthma	CTSB	rs13249227	G	C	0.232	0.008	0.638	2.94E-173	-0.021	0.010	0.030	0.022	787.367	TRUE	3.28E-151
Overall asthma	CTSB	rs138841112	G	C	-0.200	0.033	0.015	1.25E-09	-0.018	0.048	0.700	0.001	36.892	TRUE	1.10E-08
Overall asthma	CTSB	rs140803973	G	C	0.454	0.040	0.010	5.43E-30	-0.019	0.048	0.690	0.004	129.435	TRUE	4.05E-27
Overall asthma	CTSB	rs141311461	A	G	-0.201	0.021	0.038	2.13E-21	-0.007	0.047	0.880	0.003	90.221	TRUE	1.35E-19
Overall asthma	CTSB	rs141483626	G	T	-0.228	0.026	0.024	2.27E-18	-0.065	0.056	0.250	0.002	76.433	TRUE	8.58E-16
Overall asthma	CTSB	rs144115807	T	C	0.233	0.024	0.030	1.16E-22	-0.056	0.029	0.060	0.003	95.974	TRUE	1.00E-18
Overall asthma	CTSB	rs144176129	A	C	-0.204	0.024	0.027	2.56E-17	0.010	0.027	0.720	0.002	71.657	TRUE	1.18E-15
Overall asthma	CTSB	rs144761361	G	C	-0.118	0.017	0.061	1.70E-12	0.006	0.022	0.790	0.001	49.800	TRUE	2.26E-11
Overall asthma	CTSB	rs145159780	A	G	0.264	0.031	0.019	7.60E-18	-0.005	0.041	0.900	0.002	74.050	TRUE	2.24E-16
Overall asthma	CTSB	rs148580168	C	A	0.445	0.036	0.013	2.23E-35	0.006	0.049	0.900	0.004	154.069	TRUE	2.12E-32
Overall asthma	CTSB	rs148856205	T	C	-0.345	0.038	0.011	1.59E-19	-0.023	0.054	0.670	0.002	81.694	TRUE	1.36E-17
Overall asthma	CTSB	rs149129569	A	G	-0.192	0.022	0.032	1.18E-17	0.002	0.033	0.950	0.002	73.183	TRUE	2.85E-16
Overall asthma	CTSB	rs150941390	A	G	0.119	0.020	0.043	2.32E-09	-0.071	0.035	0.042	0.001	35.685	TRUE	2.66E-07
Overall asthma	CTSB	rs17153782	C	T	-0.278	0.008	0.369	8.36E-253	0.000	0.010	0.990	0.031	1153.292	TRUE	6.97E-230
Overall asthma	CTSB	rs183579036	A	G	0.462	0.039	0.010	8.14E-32	-0.049	0.051	0.340	0.004	137.774	TRUE	5.38E-28
Overall asthma	CTSB	rs187846756	A	G	-0.299	0.037	0.012	7.11E-16	-0.057	0.058	0.330	0.002	65.100	TRUE	9.27E-14
Overall asthma	CTSB	rs192930617	T	C	-0.244	0.029	0.019	1.38E-16	-0.010	0.053	0.850	0.002	68.338	TRUE	3.63E-15
Overall asthma	CTSB	rs2010629	T	C	0.484	0.008	0.158	1.00E-200	-0.032	0.013	0.012	0.086	3339.832	TRUE	1.00E-200
Overall asthma	CTSB	rs2196295	A	G	0.094	0.008	0.365	2.83E-29	-0.021	0.010	0.041	0.004	126.159	TRUE	2.97E-24
Overall asthma	CTSB	rs2246521	C	A	-0.158	0.010	0.823	4.82E-51	0.013	0.013	0.300	0.006	225.826	TRUE	3.63E-45
Overall asthma	CTSB	rs2250562	T	G	-0.061	0.009	0.276	8.58E-12	-0.005	0.011	0.620	0.001	46.627	TRUE	1.52E-10
Overall asthma	CTSB	rs2251421	T	C	0.093	0.014	0.904	1.33E-11	-0.013	0.016	0.410	0.001	45.766	TRUE	4.08E-10
Overall asthma	CTSB	rs2292369	G	A	0.083	0.008	0.434	6.04E-25	-0.021	0.010	0.028	0.003	106.390	TRUE	1.85E-20
Overall asthma	CTSB	rs2409750	C	A	0.090	0.011	0.171	4.70E-17	-0.010	0.013	0.440	0.002	70.454	TRUE	5.15E-15
Overall asthma	CTSB	rs2409782	C	T	0.130	0.009	0.264	4.66E-46	-0.004	0.011	0.680	0.006	202.974	TRUE	1.06E-41
Overall asthma	CTSB	rs2572439	T	A	-0.164	0.022	0.036	4.42E-14	0.048	0.025	0.052	0.002	56.970	TRUE	2.31E-11
Overall asthma	CTSB	rs2686204	G	A	0.322	0.007	0.683	1.00E-200	-0.025	0.010	0.016	0.063	2410.599	TRUE	1.00E-200

Overall asthma	CTSB	rs2736328	G	A	0.103	0.014	0.905	4.15E-14	-0.043	0.015	0.006	0.002	57.092	TRUE	1.34E-10
Overall asthma	CTSB	rs28378644	T	C	-0.158	0.009	0.238	1.49E-63	0.010	0.011	0.350	0.008	283.213	TRUE	1.41E-56
Overall asthma	CTSB	rs28604385	A	G	-0.156	0.011	0.149	1.08E-43	0.032	0.014	0.019	0.005	192.131	TRUE	1.60E-36
Overall asthma	CTSB	rs35657205	T	C	0.244	0.021	0.038	2.55E-31	-0.037	0.026	0.160	0.004	135.502	TRUE	6.30E-27
Overall asthma	CTSB	rs4509278	A	G	0.230	0.024	0.030	2.59E-22	-0.053	0.031	0.092	0.003	94.383	TRUE	1.14E-18
Overall asthma	CTSB	rs4538833	A	C	-0.075	0.008	0.348	4.01E-19	0.017	0.010	0.084	0.002	79.860	TRUE	6.61E-16
Overall asthma	CTSB	rs4840523	A	T	-0.143	0.016	0.068	3.42E-19	0.030	0.018	0.086	0.002	80.173	TRUE	5.33E-16
Overall asthma	CTSB	rs4841473	A	T	0.120	0.009	0.274	2.51E-40	-0.015	0.011	0.160	0.005	176.721	TRUE	5.36E-35
Overall asthma	CTSB	rs4841571	G	A	0.206	0.014	0.091	8.54E-49	0.002	0.018	0.910	0.006	215.516	TRUE	1.12E-44
Overall asthma	CTSB	rs4841660	T	C	-0.167	0.011	0.159	4.50E-53	0.034	0.012	0.005	0.007	235.133	TRUE	9.18E-44
Overall asthma	CTSB	rs57697235	A	G	-0.105	0.019	0.046	3.63E-08	0.025	0.022	0.240	0.001	30.337	TRUE	7.25E-07
Overall asthma	CTSB	rs58164566	A	G	-0.133	0.011	0.146	1.55E-31	0.000	0.013	0.980	0.004	136.499	TRUE	4.87E-29
Overall asthma	CTSB	rs60324752	C	T	-0.159	0.010	0.188	3.51E-54	0.017	0.013	0.180	0.007	240.216	TRUE	1.99E-47
Overall asthma	CTSB	rs62488580	T	G	-0.132	0.010	0.206	7.53E-40	0.022	0.011	0.050	0.005	174.533	TRUE	1.31E-33
Overall asthma	CTSB	rs62488719	G	A	-0.318	0.040	0.011	9.42E-16	0.036	0.048	0.450	0.002	64.544	TRUE	7.20E-14
Overall asthma	CTSB	rs6601601	T	C	0.151	0.010	0.770	1.36E-55	0.018	0.012	0.140	0.007	246.685	TRUE	2.46E-48
Overall asthma	CTSB	rs6601646	G	T	0.189	0.008	0.403	1.25E-118	-0.021	0.010	0.041	0.015	536.197	TRUE	6.52E-103
Overall asthma	CTSB	rs6988241	T	C	0.388	0.013	0.103	4.24E-198	-0.026	0.017	0.130	0.025	901.623	TRUE	2.97E-175
Overall asthma	CTSB	rs7002570	G	C	-0.091	0.016	0.066	1.96E-08	0.013	0.020	0.540	0.001	31.532	TRUE	2.04E-07
Overall asthma	CTSB	rs71518537	C	T	0.338	0.029	0.020	5.54E-32	-0.075	0.040	0.062	0.004	138.536	TRUE	6.64E-27
Overall asthma	CTSB	rs73196842	A	G	0.155	0.009	0.268	1.87E-65	-0.029	0.011	0.010	0.008	291.929	TRUE	7.00E-55
Overall asthma	CTSB	rs73196883	A	G	-0.081	0.014	0.088	9.29E-09	0.014	0.018	0.450	0.001	32.983	TRUE	1.28E-07
Overall asthma	CTSB	rs73197317	T	C	-0.122	0.020	0.040	1.78E-09	0.037	0.029	0.200	0.001	36.203	TRUE	6.58E-08
Overall asthma	CTSB	rs73198974	G	C	-0.101	0.015	0.081	6.35E-12	0.031	0.018	0.086	0.001	47.217	TRUE	1.10E-09
Overall asthma	CTSB	rs73201420	T	C	0.307	0.015	0.077	2.97E-92	-0.007	0.018	0.710	0.012	414.989	TRUE	1.14E-83
Overall asthma	CTSB	rs73201440	G	A	0.513	0.024	0.029	3.04E-103	-0.017	0.038	0.660	0.013	465.485	TRUE	1.87E-93
Overall asthma	CTSB	rs73207299	A	G	0.551	0.009	0.116	1.00E-200	-0.012	0.016	0.460	0.087	3374.459	TRUE	1.00E-200
Overall asthma	CTSB	rs73662646	T	A	0.121	0.018	0.053	1.19E-11	-0.010	0.022	0.640	0.001	45.980	TRUE	1.91E-10
Overall asthma	CTSB	rs7462014	C	A	0.141	0.021	0.963	1.87E-11	-0.037	0.019	0.049	0.001	45.098	TRUE	4.10E-09
Overall asthma	CTSB	rs74906907	C	T	0.170	0.009	0.232	6.14E-72	-0.021	0.011	0.062	0.009	321.692	TRUE	4.92E-62
Overall asthma	CTSB	rs75220994	T	C	-0.140	0.020	0.042	1.88E-12	0.071	0.022	0.001	0.001	49.599	TRUE	5.59E-09
Overall asthma	CTSB	rs75775832	A	G	0.227	0.015	0.072	7.48E-49	0.019	0.020	0.360	0.006	215.782	TRUE	2.75E-43
Overall asthma	CTSB	rs75987312	T	C	0.111	0.020	0.043	1.64E-08	-0.005	0.029	0.850	0.001	31.880	TRUE	8.42E-08
Overall asthma	CTSB	rs76234685	A	G	-0.133	0.012	0.130	1.17E-28	0.054	0.014	1.10E-04	0.003	123.341	TRUE	1.44E-21
Overall asthma	CTSB	rs76564024	C	T	-0.174	0.025	0.026	1.79E-12	0.055	0.027	0.044	0.001	49.695	TRUE	6.64E-10
Overall asthma	CTSB	rs77094521	T	A	-0.176	0.015	0.073	1.76E-30	0.017	0.017	0.310	0.004	131.674	TRUE	9.48E-27
Overall asthma	CTSB	rs77118965	T	A	0.118	0.015	0.074	6.48E-15	-0.055	0.022	0.014	0.002	60.747	TRUE	1.42E-11
Overall asthma	CTSB	rs7814834	T	C	-0.050	0.008	0.530	4.79E-10	-0.014	0.010	0.140	0.001	38.759	TRUE	2.85E-08
Overall asthma	CTSB	rs7817160	G	A	0.183	0.011	0.175	2.24E-67	-0.028	0.014	0.040	0.008	300.757	TRUE	8.05E-58
Overall asthma	CTSB	rs7826044	T	G	-0.118	0.019	0.045	1.15E-09	0.024	0.024	0.310	0.001	37.053	TRUE	2.88E-08
Overall asthma	CTSB	rs7838131	A	G	0.196	0.008	0.587	5.14E-128	-0.031	0.010	0.002	0.016	579.339	TRUE	3.40E-108
Overall asthma	CTSB	rs78554644	A	G	0.291	0.024	0.030	4.12E-34	-0.013	0.036	0.710	0.004	148.272	TRUE	6.57E-31

Overall asthma	CTSB	rs78867821	A	G	0.408	0.017	0.059	4.90E-131	-0.025	0.019	0.190	0.016	593.224	TRUE	4.11E-116
Overall asthma	CTSB	rs79520228	T	G	0.152	0.024	0.028	5.71E-10	-0.014	0.030	0.640	0.001	38.417	TRUE	6.37E-09
Overall asthma	CTSB	rs79552794	T	C	-0.149	0.021	0.038	1.31E-12	0.000	0.030	0.990	0.001	50.317	TRUE	1.10E-11
Overall asthma	CTSB	rs8191557	G	C	-0.338	0.028	0.020	4.27E-33	-0.043	0.051	0.390	0.004	143.629	TRUE	2.63E-29
Overall asthma	CTSB	rs9329248	A	C	0.132	0.011	0.151	3.17E-32	-0.011	0.013	0.390	0.004	139.647	TRUE	1.61E-28
Overall asthma	CTSE	rs11240496	T	C	0.055	0.009	0.501	9.67E-11	-0.006	0.010	0.530	0.001	41.884	TRUE	1.74E-09
Overall asthma	CTSE	rs113616691	A	G	-0.229	0.031	0.018	2.04E-13	0.033	0.030	0.260	0.002	53.960	TRUE	1.75E-11
Overall asthma	CTSE	rs114794039	A	G	-0.221	0.038	0.013	4.50E-09	0.032	0.031	0.290	0.001	34.395	TRUE	1.00E-07
Overall asthma	CTSE	rs115771567	A	G	-0.324	0.057	0.006	1.19E-08	-0.100	0.042	0.018	0.001	32.500	TRUE	1.71E-06
Overall asthma	CTSE	rs11811181	A	G	0.068	0.011	0.209	1.44E-10	-0.005	0.012	0.650	0.001	41.105	TRUE	1.74E-09
Overall asthma	CTSE	rs12723923	G	A	-0.105	0.017	0.065	1.62E-09	0.004	0.019	0.830	0.001	36.382	TRUE	1.06E-08
Overall asthma	CTSE	rs143715179	T	C	0.099	0.009	0.286	8.17E-26	0.033	0.041	0.430	0.003	110.353	TRUE	8.03E-23
Overall asthma	CTSE	rs144819530	G	C	-0.152	0.027	0.024	2.70E-08	0.010	0.033	0.770	0.001	30.909	TRUE	1.56E-07
Overall asthma	CTSE	rs145467392	A	G	-0.321	0.056	0.006	1.01E-08	-0.013	0.053	0.810	0.001	32.826	TRUE	5.94E-08
Overall asthma	CTSE	rs145971821	A	G	-0.421	0.057	0.006	1.39E-13	-0.240	0.340	0.470	0.002	54.721	TRUE	5.69E-12
Overall asthma	CTSE	rs28602536	A	G	-0.134	0.009	0.311	3.59E-48	0.021	0.031	0.500	0.006	212.658	TRUE	3.85E-43
Overall asthma	CTSE	rs41297620	A	G	-0.276	0.036	0.015	7.59E-15	0.004	0.032	0.900	0.002	60.435	TRUE	1.22E-13
Overall asthma	CTSE	rs55703016	A	G	-0.246	0.021	0.044	4.27E-32	0.031	0.033	0.350	0.004	139.053	TRUE	2.82E-28
Overall asthma	CTSE	rs561918278	C	T	-0.316	0.049	0.007	1.04E-10	-0.043	0.083	0.600	0.001	41.739	TRUE	1.51E-09
Overall asthma	CTSE	rs58493320	A	G	-0.485	0.010	0.146	1.00E-200	0.005	0.019	0.780	0.065	2475.789	TRUE	1.00E-200
Overall asthma	CTSE	rs6669481	C	T	-0.124	0.016	0.078	5.52E-15	0.036	0.017	0.029	0.002	61.061	TRUE	5.83E-12
Overall asthma	CTSE	rs78283114	A	G	-0.262	0.047	0.008	1.96E-08	-0.160	0.200	0.450	0.001	31.530	TRUE	2.56E-07
Overall asthma	CTSE	rs79655590	A	G	-0.455	0.030	0.020	6.01E-52	0.028	0.044	0.530	0.006	229.969	TRUE	1.27E-46
Overall asthma	GAPDH	rs12425927	G	A	0.081	0.013	0.108	7.32E-10	-0.039	0.014	0.007	0.001	37.932	TRUE	3.26E-07
Overall asthma	GSS	rs11906160	A	G	0.112	0.013	0.108	1.17E-17	0.011	0.016	0.500	0.002	73.199	TRUE	1.23E-15
Overall asthma	GSS	rs1406947	T	C	-0.053	0.009	0.658	4.84E-10	-0.010	0.010	0.310	0.001	38.739	TRUE	1.37E-08
Overall asthma	GSS	rs147446729	A	C	-0.141	0.023	0.034	9.12E-10	0.013	0.032	0.680	0.001	37.502	TRUE	8.78E-09
Overall asthma	GSS	rs35591645	T	C	0.148	0.021	0.040	1.39E-12	-0.008	0.024	0.750	0.001	50.194	TRUE	2.09E-11
Overall asthma	GSS	rs4911172	G	C	0.072	0.011	0.179	1.29E-11	0.025	0.012	0.046	0.001	45.828	TRUE	3.79E-09
Overall asthma	GSS	rs6058104	A	G	-0.082	0.011	0.841	1.57E-13	0.005	0.013	0.680	0.002	54.481	TRUE	3.38E-12
Overall asthma	GSS	rs6059711	T	C	0.084	0.013	0.103	1.99E-10	0.005	0.015	0.730	0.001	40.472	TRUE	2.00E-09
Overall asthma	GSS	rs6141479	C	G	0.102	0.010	0.223	6.12E-26	0.022	0.012	0.077	0.003	110.928	TRUE	1.10E-21
Overall asthma	GSS	rs73090614	G	C	-0.079	0.011	0.166	5.01E-13	0.015	0.013	0.270	0.001	52.196	TRUE	4.28E-11
Overall asthma	GSS	rs78030404	A	G	-0.181	0.018	0.054	2.52E-24	-0.013	0.021	0.560	0.003	103.562	TRUE	1.04E-21
Overall asthma	GSS	rs78230850	A	G	-0.121	0.016	0.069	1.28E-14	0.024	0.022	0.260	0.002	59.403	TRUE	1.50E-12
Overall asthma	HSPA1A	rs114708313	T	A	0.094	0.016	0.067	1.05E-08	-0.065	0.019	4.30E-04	0.001	32.741	TRUE	6.54E-06
Overall asthma	HSPA1A	rs143439747	A	G	0.094	0.015	0.080	1.96E-10	-0.140	0.023	8.60E-10	0.001	40.503	TRUE	1.28E-05
Overall asthma	HSPA1A	rs147906938	A	T	0.123	0.021	0.039	2.37E-09	-0.049	0.034	0.140	0.001	35.643	TRUE	1.09E-07
Overall asthma	HSPA1A	rs2252937	C	T	0.081	0.012	0.122	6.74E-11	-0.021	0.013	0.110	0.001	42.589	TRUE	6.90E-09
Overall asthma	HSPA1A	rs2395516	C	T	0.055	0.008	0.397	2.01E-11	0.053	0.010	3.40E-07	0.001	44.959	TRUE	8.91E-07
Overall asthma	HSPA1A	rs28464365	C	T	0.127	0.014	0.085	7.28E-19	-0.150	0.023	5.90E-11	0.002	78.682	TRUE	3.15E-11
Overall asthma	HSPA1A	rs28869508	T	C	0.261	0.039	0.011	1.21E-11	-0.130	0.035	1.60E-04	0.001	45.947	TRUE	5.43E-08

Overall asthma	HSPA1A	rs34386495	T	C	0.089	0.010	0.228	2.57E-20	-0.060	0.012	5.70E-07	0.002	85.287	TRUE	1.15E-13
Overall asthma	HSPA1A	rs391755	G	A	0.093	0.015	0.073	2.34E-09	-0.120	0.021	1.20E-08	0.001	35.670	TRUE	4.23E-05
Overall asthma	HSPA1A	rs4374861	G	A	0.067	0.010	0.802	4.34E-11	0.063	0.013	8.90E-07	0.001	43.452	TRUE	8.01E-07
Overall asthma	HSPA1A	rs4713424	A	G	0.130	0.021	0.040	5.21E-10	0.007	0.020	0.750	0.001	38.594	TRUE	4.61E-09
Overall asthma	HSPA1A	rs521977	G	T	0.065	0.009	0.677	6.51E-14	0.018	0.010	0.076	0.002	56.208	TRUE	2.54E-11
Overall asthma	HSPA1A	rs6929057	C	A	0.099	0.009	0.304	5.90E-30	-0.160	0.011	8.90E-46	0.004	129.270	TRUE	1.54E-11
Overall asthma	HSPA1A	rs9267542	T	C	0.059	0.010	0.224	1.14E-09	-0.014	0.012	0.240	0.001	37.062	TRUE	3.77E-08
Overall asthma	HYAL1	rs1076872	G	A	-0.052	0.009	0.694	1.98E-09	0.022	0.010	0.029	0.001	35.988	TRUE	3.03E-07
Overall asthma	HYAL1	rs113603579	T	G	-0.305	0.040	0.010	4.46E-14	-0.014	0.043	0.750	0.002	56.953	TRUE	9.43E-13
Overall asthma	HYAL1	rs116482870	T	C	-0.240	0.019	0.048	1.43E-36	-0.042	0.019	0.032	0.004	159.520	TRUE	1.95E-30
Overall asthma	IDUA	rs10016588	C	G	-0.072	0.012	0.154	7.29E-10	-0.014	0.013	0.290	0.001	37.938	TRUE	2.20E-08
Overall asthma	IDUA	rs1045458	A	G	0.276	0.043	0.009	1.92E-10	0.056	0.038	0.150	0.001	40.547	TRUE	1.33E-08
Overall asthma	IDUA	rs113289555	T	G	0.357	0.007	0.260	1.00E-200	-0.001	0.011	0.910	0.071	2718.387	TRUE	1.00E-200
Overall asthma	IDUA	rs114003099	T	G	0.123	0.019	0.048	1.56E-10	-0.005	0.021	0.800	0.001	40.946	TRUE	1.37E-09
Overall asthma	IDUA	rs115435541	A	G	-0.556	0.017	0.062	3.51E-236	-0.019	0.021	0.390	0.029	1076.811	TRUE	1.67E-211
Overall asthma	IDUA	rs116303535	A	G	-0.302	0.026	0.025	3.61E-30	-0.058	0.029	0.045	0.004	130.243	TRUE	3.70E-25
Overall asthma	IDUA	rs116739534	A	G	-0.199	0.022	0.037	1.27E-19	-0.008	0.030	0.800	0.002	82.133	TRUE	7.25E-18
Overall asthma	IDUA	rs11724371	C	T	-0.112	0.010	0.781	4.77E-29	-0.002	0.012	0.840	0.004	125.121	TRUE	1.56E-26
Overall asthma	IDUA	rs117750622	A	G	-0.503	0.035	0.014	8.71E-46	-0.009	0.037	0.820	0.006	201.729	TRUE	9.92E-42
Overall asthma	IDUA	rs12641194	T	C	0.073	0.011	0.196	3.91E-12	0.001	0.012	0.940	0.001	48.165	TRUE	3.36E-11
Overall asthma	IDUA	rs13136656	A	C	0.097	0.013	0.118	9.24E-14	0.012	0.016	0.440	0.002	55.519	TRUE	4.33E-12
Overall asthma	IDUA	rs137986209	A	G	-0.138	0.025	0.030	2.23E-08	0.011	0.020	0.580	0.001	31.278	TRUE	1.96E-07
Overall asthma	IDUA	rs139096444	A	C	0.058	0.010	0.229	9.32E-09	-0.017	0.012	0.150	0.001	32.977	TRUE	3.41E-07
Overall asthma	IDUA	rs139616585	T	C	0.190	0.033	0.017	5.86E-09	-0.005	0.036	0.880	0.001	33.878	TRUE	3.11E-08
Overall asthma	IDUA	rs142074439	G	T	0.204	0.031	0.020	2.71E-11	-0.007	0.036	0.860	0.001	44.371	TRUE	2.42E-10
Overall asthma	IDUA	rs142943203	T	C	-0.331	0.026	0.027	1.33E-37	0.018	0.048	0.710	0.005	164.247	TRUE	4.64E-34
Overall asthma	IDUA	rs143300170	A	G	0.421	0.033	0.016	2.85E-38	-0.053	0.034	0.110	0.005	167.311	TRUE	7.01E-33
Overall asthma	IDUA	rs143330209	T	C	0.292	0.038	0.013	1.12E-14	0.034	0.042	0.420	0.002	59.671	TRUE	7.44E-13
Overall asthma	IDUA	rs143621184	A	G	-0.264	0.035	0.015	1.84E-14	-0.019	0.045	0.680	0.002	58.690	TRUE	5.18E-13
Overall asthma	IDUA	rs143956184	T	C	0.277	0.041	0.011	2.03E-11	-0.003	0.038	0.930	0.001	44.936	TRUE	1.56E-10
Overall asthma	IDUA	rs144793356	T	G	-0.470	0.041	0.011	8.96E-30	0.056	0.041	0.170	0.004	128.441	TRUE	1.23E-25
Overall asthma	IDUA	rs144935065	T	G	-0.338	0.041	0.010	1.14E-16	0.004	0.042	0.920	0.002	68.714	TRUE	2.50E-15
Overall asthma	IDUA	rs145687487	A	G	-0.361	0.053	0.006	1.14E-11	-0.081	0.048	0.094	0.001	46.076	TRUE	1.71E-09
Overall asthma	IDUA	rs146113450	T	C	-0.543	0.027	0.025	7.69E-93	-0.011	0.045	0.820	0.012	417.686	TRUE	1.59E-84
Overall asthma	IDUA	rs147250021	T	C	-0.359	0.025	0.027	9.91E-47	0.003	0.033	0.930	0.006	206.056	TRUE	7.77E-43
Overall asthma	IDUA	rs147280206	A	G	0.176	0.032	0.018	4.17E-08	-0.019	0.044	0.670	0.001	30.066	TRUE	2.87E-07
Overall asthma	IDUA	rs147473864	G	A	0.337	0.027	0.025	6.91E-36	0.020	0.039	0.610	0.004	156.395	TRUE	2.68E-32
Overall asthma	IDUA	rs148339463	T	C	0.259	0.034	0.016	1.96E-14	0.005	0.042	0.910	0.002	58.566	TRUE	2.84E-13
Overall asthma	IDUA	rs150351472	T	C	0.129	0.023	0.035	1.79E-08	-0.045	0.026	0.085	0.001	31.708	TRUE	9.44E-07
Overall asthma	IDUA	rs150991238	T	C	0.302	0.030	0.019	1.39E-23	-0.012	0.040	0.760	0.003	100.175	TRUE	2.04E-21
Overall asthma	IDUA	rs17802159	A	G	-0.061	0.009	0.690	1.09E-11	-0.003	0.011	0.770	0.001	46.162	TRUE	1.27E-10
Overall asthma	IDUA	rs17802266	A	C	-0.277	0.009	0.260	2.17E-188	-0.013	0.011	0.220	0.024	856.963	TRUE	8.44E-168

Overall asthma	IDUA	rs1814546	C	T	-0.177	0.011	0.813	5.07E-62	-0.007	0.013	0.580	0.008	276.181	TRUE	6.61E-56
Overall asthma	IDUA	rs184218564	T	C	0.225	0.027	0.025	2.03E-17	-0.030	0.041	0.460	0.002	72.116	TRUE	2.22E-15
Overall asthma	IDUA	rs188388416	A	G	-0.393	0.043	0.010	2.65E-20	-0.033	0.034	0.340	0.002	85.227	TRUE	1.05E-17
Overall asthma	IDUA	rs189143145	T	G	-0.301	0.029	0.020	1.13E-24	-0.026	0.038	0.490	0.003	105.151	TRUE	6.05E-22
Overall asthma	IDUA	rs201682298	T	C	0.811	0.026	0.025	1.12E-212	0.028	0.033	0.400	0.027	968.680	TRUE	1.07E-190
Overall asthma	IDUA	rs2290402	T	C	-0.284	0.012	0.137	6.56E-123	-0.011	0.013	0.390	0.015	555.863	TRUE	3.85E-110
Overall asthma	IDUA	rs28405340	C	T	-0.073	0.009	0.645	4.84E-17	-0.007	0.011	0.530	0.002	70.397	TRUE	3.52E-15
Overall asthma	IDUA	rs3135863	A	G	-0.225	0.020	0.044	4.12E-28	0.000	0.028	0.990	0.003	120.846	TRUE	6.48E-26
Overall asthma	IDUA	rs3135900	G	A	-0.187	0.021	0.041	4.75E-19	-0.026	0.026	0.330	0.002	79.527	TRUE	1.47E-16
Overall asthma	IDUA	rs35254228	G	A	-0.072	0.008	0.523	1.17E-17	0.006	0.010	0.560	0.002	73.204	TRUE	9.63E-16
Overall asthma	IDUA	rs35333201	C	T	0.049	0.009	0.381	1.59E-08	0.009	0.010	0.380	0.001	31.941	TRUE	2.44E-07
Overall asthma	IDUA	rs35728138	A	G	0.213	0.013	0.115	5.87E-60	0.032	0.016	0.039	0.007	266.710	TRUE	2.82E-51
Overall asthma	IDUA	rs3755930	C	T	0.120	0.010	0.229	4.09E-33	-0.015	0.011	0.180	0.004	143.711	TRUE	1.35E-28
Overall asthma	IDUA	rs3775125	A	G	-0.087	0.012	0.147	9.99E-14	-0.015	0.014	0.290	0.002	55.366	TRUE	8.82E-12
Overall asthma	IDUA	rs3806759	A	G	0.122	0.014	0.098	1.57E-18	0.030	0.016	0.064	0.002	77.163	TRUE	3.22E-15
Overall asthma	IDUA	rs4312820	T	C	-0.075	0.009	0.384	5.39E-18	-0.013	0.010	0.200	0.002	74.729	TRUE	2.77E-15
Overall asthma	IDUA	rs4371565	T	C	0.087	0.009	0.319	1.81E-22	0.004	0.011	0.720	0.003	95.098	TRUE	2.37E-20
Overall asthma	IDUA	rs4441710	T	A	0.160	0.010	0.236	3.01E-60	0.000	0.011	0.970	0.007	268.039	TRUE	2.85E-55
Overall asthma	IDUA	rs4690294	G	A	0.140	0.009	0.313	1.51E-54	0.003	0.010	0.760	0.007	241.892	TRUE	1.42E-49
Overall asthma	IDUA	rs4690312	G	C	-0.151	0.016	0.079	1.73E-22	-0.011	0.019	0.570	0.003	95.183	TRUE	4.24E-20
Overall asthma	IDUA	rs4865447	G	A	-0.087	0.009	0.362	9.78E-24	0.017	0.010	0.077	0.003	100.874	TRUE	7.01E-20
Overall asthma	IDUA	rs62286768	C	T	0.138	0.012	0.142	8.15E-31	0.004	0.014	0.790	0.004	133.200	TRUE	4.89E-28
Overall asthma	IDUA	rs62294153	T	C	-0.134	0.013	0.106	1.25E-23	-0.006	0.015	0.690	0.003	100.392	TRUE	2.47E-21
Overall asthma	IDUA	rs62296062	G	A	0.095	0.010	0.204	1.05E-19	-0.014	0.012	0.250	0.002	82.511	TRUE	5.74E-17
Overall asthma	IDUA	rs6822461	G	A	0.103	0.013	0.111	9.08E-15	0.002	0.016	0.920	0.002	60.083	TRUE	1.37E-13
Overall asthma	IDUA	rs6824378	G	A	-0.083	0.011	0.176	3.01E-14	-0.021	0.013	0.120	0.002	57.728	TRUE	9.11E-12
Overall asthma	IDUA	rs6833163	G	T	-0.100	0.012	0.128	1.36E-15	-0.019	0.014	0.170	0.002	63.824	TRUE	3.65E-13
Overall asthma	IDUA	rs6837180	G	A	-0.114	0.008	0.587	1.71E-41	0.002	0.010	0.850	0.005	182.062	TRUE	6.85E-38
Overall asthma	IDUA	rs6847965	T	C	-0.077	0.010	0.232	5.74E-15	-0.018	0.012	0.120	0.002	60.987	TRUE	1.72E-12
Overall asthma	IDUA	rs72613113	T	C	0.197	0.031	0.018	2.60E-10	-0.014	0.057	0.810	0.001	39.950	TRUE	2.14E-09
Overall asthma	IDUA	rs73061846	A	G	0.294	0.026	0.026	1.28E-30	0.039	0.021	0.063	0.004	132.298	TRUE	9.79E-26
Overall asthma	IDUA	rs73219286	C	T	-0.118	0.019	0.049	8.73E-10	0.006	0.023	0.790	0.001	37.587	TRUE	6.60E-09
Overall asthma	IDUA	rs74687721	C	G	-0.256	0.013	0.125	2.58E-92	0.000	0.016	0.990	0.012	415.270	TRUE	1.30E-84
Overall asthma	IDUA	rs74921869	A	G	0.227	0.011	0.160	1.51E-89	-0.008	0.012	0.520	0.011	402.561	TRUE	1.56E-80
Overall asthma	IDUA	rs76451154	A	G	0.094	0.010	0.244	3.43E-22	0.011	0.012	0.360	0.003	93.828	TRUE	1.90E-19
Overall asthma	IDUA	rs7661467	G	A	0.208	0.010	0.768	5.54E-100	0.013	0.011	0.260	0.013	450.500	TRUE	1.13E-88
Overall asthma	IDUA	rs76638961	C	A	0.503	0.017	0.060	1.20E-188	0.009	0.021	0.680	0.024	858.159	TRUE	1.05E-170
Overall asthma	IDUA	rs76914315	C	T	0.149	0.024	0.032	3.34E-10	-0.051	0.041	0.220	0.001	39.462	TRUE	1.47E-08
Overall asthma	IDUA	rs77049343	A	T	0.075	0.011	0.191	2.48E-12	0.001	0.012	0.960	0.001	49.063	TRUE	2.12E-11
Overall asthma	IDUA	rs78931060	G	T	0.281	0.038	0.012	2.88E-13	-0.010	0.035	0.770	0.001	53.283	TRUE	4.74E-12
Overall asthma	IDUA	rs78936351	T	C	-0.223	0.022	0.038	2.28E-24	0.005	0.035	0.880	0.003	103.759	TRUE	2.59E-22
Overall asthma	IDUA	rs79565855	A	G	0.191	0.015	0.084	1.29E-35	-0.005	0.017	0.760	0.004	155.157	TRUE	2.38E-32

Overall asthma	IDUA	rs79613010	C	T	-0.183	0.028	0.022	6.53E-11	-0.100	0.034	0.003	0.001	42.651	TRUE	5.97E-08
Overall asthma	IDUA	rs80203286	T	C	0.171	0.026	0.028	4.11E-11	-0.039	0.036	0.280	0.001	43.559	TRUE	1.79E-09
Overall asthma	IDUA	rs80257442	T	C	0.161	0.011	0.180	4.16E-50	0.015	0.013	0.230	0.006	221.532	TRUE	4.64E-44
Overall asthma	IDUA	rs873785	C	T	0.378	0.006	0.411	1.00E-200	0.021	0.010	0.036	0.098	3867.292	TRUE	1.00E-200
Overall asthma	IDUA	rs899387	T	C	-0.120	0.009	0.376	1.22E-43	0.014	0.010	0.170	0.005	191.902	TRUE	6.94E-38
Overall asthma	IL6R	rs10494301	C	T	0.054	0.009	0.659	1.17E-09	0.000	0.010	0.980	0.001	37.022	TRUE	5.79E-09
Overall asthma	IL6R	rs10494303	A	G	0.113	0.009	0.415	1.72E-40	0.018	0.010	0.064	0.005	177.465	TRUE	2.33E-34
Overall asthma	IL6R	rs10752606	A	T	-0.113	0.011	0.819	2.08E-25	-0.012	0.013	0.350	0.003	108.505	TRUE	2.58E-22
Overall asthma	IL6R	rs10796927	C	T	0.289	0.010	0.244	8.84E-199	-0.005	0.011	0.650	0.025	904.758	TRUE	9.59E-180
Overall asthma	IL6R	rs10908424	C	G	-0.208	0.009	0.701	2.78E-115	-0.009	0.010	0.380	0.014	520.812	TRUE	4.42E-103
Overall asthma	IL6R	rs10908429	T	C	0.120	0.009	0.281	2.33E-38	-0.009	0.011	0.390	0.005	167.710	TRUE	4.51E-34
Overall asthma	IL6R	rs111237020	T	C	0.395	0.019	0.050	4.27E-99	-0.005	0.022	0.830	0.012	446.423	TRUE	2.71E-90
Overall asthma	IL6R	rs111303174	A	C	-0.372	0.019	0.050	5.19E-86	-0.009	0.027	0.740	0.011	386.317	TRUE	3.95E-78
Overall asthma	IL6R	rs111875284	A	G	0.294	0.024	0.031	8.73E-35	0.009	0.030	0.770	0.004	151.355	TRUE	1.25E-31
Overall asthma	IL6R	rs112340875	C	T	-0.166	0.024	0.030	1.27E-11	0.012	0.033	0.720	0.001	45.864	TRUE	1.70E-10
Overall asthma	IL6R	rs112356447	A	G	-0.182	0.018	0.059	2.04E-25	-0.013	0.023	0.580	0.003	108.538	TRUE	9.29E-23
Overall asthma	IL6R	rs11264251	G	A	0.061	0.008	0.574	8.19E-13	-0.003	0.010	0.760	0.001	51.232	TRUE	1.28E-11
Overall asthma	IL6R	rs11264270	G	A	0.105	0.013	0.122	2.98E-16	0.025	0.014	0.084	0.002	66.811	TRUE	2.43E-13
Overall asthma	IL6R	rs11265611	A	G	0.742	0.005	0.656	1.00E-200	0.013	0.010	0.200	0.358	19832.378	TRUE	1.00E-200
Overall asthma	IL6R	rs11265621	A	G	0.556	0.005	0.600	1.00E-200	0.004	0.010	0.680	0.237	11033.105	TRUE	1.00E-200
Overall asthma	IL6R	rs112730399	C	T	0.161	0.028	0.023	6.26E-09	-0.020	0.033	0.550	0.001	33.751	TRUE	6.87E-08
Overall asthma	IL6R	rs113191456	A	C	0.184	0.017	0.069	1.54E-28	0.007	0.023	0.770	0.003	122.801	TRUE	6.13E-26
Overall asthma	IL6R	rs113580743	A	G	-0.553	0.021	0.038	3.48E-147	0.033	0.025	0.190	0.018	667.470	TRUE	1.55E-130
Overall asthma	IL6R	rs113724571	T	C	0.256	0.035	0.015	1.85E-13	0.018	0.051	0.720	0.002	54.159	TRUE	3.62E-12
Overall asthma	IL6R	rs114324536	C	T	0.244	0.037	0.013	4.30E-11	-0.086	0.040	0.031	0.001	43.471	TRUE	1.16E-08
Overall asthma	IL6R	rs114779784	C	G	-0.400	0.031	0.019	7.36E-39	-0.009	0.027	0.750	0.005	170.001	TRUE	2.81E-35
Overall asthma	IL6R	rs114853077	T	C	0.211	0.029	0.021	3.95E-13	0.011	0.030	0.700	0.001	52.665	TRUE	7.41E-12
Overall asthma	IL6R	rs114973352	A	C	0.262	0.023	0.035	1.17E-29	-0.023	0.029	0.430	0.004	127.918	TRUE	2.74E-26
Overall asthma	IL6R	rs114980362	T	C	-0.457	0.024	0.032	8.52E-83	0.011	0.035	0.760	0.010	371.548	TRUE	3.09E-75
Overall asthma	IL6R	rs115513320	T	G	0.464	0.053	0.006	2.99E-18	-0.001	0.042	0.990	0.002	75.890	TRUE	7.22E-17
Overall asthma	IL6R	rs115582068	C	T	-0.490	0.027	0.023	3.60E-74	0.032	0.035	0.350	0.009	331.940	TRUE	4.09E-66
Overall asthma	IL6R	rs11577167	T	C	-0.522	0.037	0.014	1.98E-45	-0.015	0.030	0.620	0.006	200.099	TRUE	5.80E-41
Overall asthma	IL6R	rs11577297	T	C	-0.085	0.011	0.825	1.08E-14	0.010	0.012	0.400	0.002	59.737	TRUE	7.59E-13
Overall asthma	IL6R	rs11582489	A	G	-0.294	0.022	0.040	3.67E-42	-0.034	0.024	0.170	0.005	185.124	TRUE	1.52E-36
Overall asthma	IL6R	rs11584256	T	C	0.355	0.026	0.026	7.87E-42	0.013	0.037	0.730	0.005	183.605	TRUE	6.13E-38
Overall asthma	IL6R	rs116059394	G	A	-0.462	0.019	0.050	9.70E-127	-0.027	0.020	0.180	0.016	573.471	TRUE	3.56E-112
Overall asthma	IL6R	rs116141616	A	G	-0.619	0.030	0.019	4.62E-94	-0.004	0.029	0.900	0.012	423.297	TRUE	6.55E-86
Overall asthma	IL6R	rs116179745	C	T	-0.414	0.037	0.012	4.41E-29	-0.077	0.045	0.085	0.004	125.278	TRUE	1.40E-24
Overall asthma	IL6R	rs116540837	G	T	0.160	0.025	0.028	2.17E-10	0.042	0.030	0.160	0.001	40.310	TRUE	1.31E-08
Overall asthma	IL6R	rs116710125	T	C	-0.527	0.020	0.044	5.88E-156	-0.038	0.022	0.083	0.020	707.808	TRUE	4.12E-137
Overall asthma	IL6R	rs1194586	C	T	0.127	0.008	0.522	2.49E-52	0.017	0.010	0.073	0.006	231.724	TRUE	5.83E-45
Overall asthma	IL6R	rs1194589	G	A	0.235	0.011	0.838	3.84E-97	0.002	0.012	0.890	0.012	437.448	TRUE	1.05E-88

Overall asthma	IL6R	rs12031639	T	C	0.616	0.049	0.007	8.29E-36	0.110	0.077	0.160	0.004	156.033	TRUE	6.83E-31
Overall asthma	IL6R	rs12043822	A	G	0.479	0.026	0.026	8.77E-74	-0.003	0.032	0.920	0.009	330.164	TRUE	1.64E-67
Overall asthma	IL6R	rs12044034	A	G	-0.122	0.015	0.087	1.72E-16	-0.014	0.017	0.400	0.002	67.899	TRUE	1.85E-14
Overall asthma	IL6R	rs12120146	A	G	-0.178	0.033	0.017	4.92E-08	-0.035	0.041	0.390	0.001	29.744	TRUE	6.25E-07
Overall asthma	IL6R	rs12130660	C	T	0.345	0.024	0.031	1.62E-45	0.018	0.022	0.420	0.006	200.493	TRUE	1.64E-40
Overall asthma	IL6R	rs1218549	C	A	0.106	0.009	0.650	5.63E-34	0.012	0.010	0.250	0.004	147.651	TRUE	1.37E-29
Overall asthma	IL6R	rs1218576	T	C	-0.189	0.012	0.864	2.47E-53	-0.011	0.015	0.440	0.007	236.326	TRUE	1.06E-47
Overall asthma	IL6R	rs1218583	G	T	0.134	0.018	0.943	8.35E-14	0.055	0.021	0.008	0.002	55.718	TRUE	1.49E-10
Overall asthma	IL6R	rs1218592	A	C	0.075	0.010	0.763	3.11E-14	-0.001	0.011	0.910	0.002	57.660	TRUE	4.40E-13
Overall asthma	IL6R	rs12406117	A	G	-0.085	0.008	0.561	4.79E-24	0.009	0.010	0.330	0.003	102.287	TRUE	4.96E-21
Overall asthma	IL6R	rs12735458	G	A	0.342	0.036	0.014	6.59E-22	0.140	0.042	0.001	0.003	92.537	TRUE	1.39E-16
Overall asthma	IL6R	rs12755318	A	C	0.309	0.025	0.031	1.04E-35	-0.030	0.038	0.420	0.004	155.579	TRUE	9.90E-32
Overall asthma	IL6R	rs141244226	A	G	-0.185	0.026	0.028	7.25E-13	0.008	0.031	0.790	0.001	51.473	TRUE	1.06E-11
Overall asthma	IL6R	rs141444337	G	C	-0.378	0.024	0.033	1.35E-57	0.005	0.026	0.860	0.007	255.878	TRUE	1.32E-52
Overall asthma	IL6R	rs142091750	T	C	0.502	0.051	0.007	5.81E-23	0.020	0.037	0.580	0.003	97.344	TRUE	1.43E-20
Overall asthma	IL6R	rs142321561	T	C	0.325	0.055	0.006	3.57E-09	-0.130	0.052	0.012	0.001	34.844	TRUE	7.65E-07
Overall asthma	IL6R	rs142567407	A	T	0.390	0.043	0.010	5.42E-20	0.023	0.045	0.610	0.002	83.813	TRUE	6.37E-18
Overall asthma	IL6R	rs142712385	A	T	-0.234	0.014	0.099	5.36E-64	-0.030	0.019	0.130	0.008	285.247	TRUE	1.17E-55
Overall asthma	IL6R	rs144063783	C	T	0.527	0.034	0.015	8.50E-53	-0.012	0.042	0.780	0.007	233.866	TRUE	5.03E-48
Overall asthma	IL6R	rs144230470	C	G	-0.338	0.038	0.012	7.63E-19	-0.009	0.047	0.850	0.002	78.590	TRUE	3.21E-17
Overall asthma	IL6R	rs144385115	A	G	0.411	0.052	0.007	4.04E-15	-0.040	0.056	0.470	0.002	61.676	TRUE	2.45E-13
Overall asthma	IL6R	rs144929754	T	C	-0.241	0.031	0.018	6.21E-15	0.003	0.037	0.940	0.002	60.830	TRUE	9.10E-14
Overall asthma	IL6R	rs145347535	T	G	0.381	0.040	0.011	5.52E-22	0.021	0.042	0.610	0.003	92.886	TRUE	9.81E-20
Overall asthma	IL6R	rs146899245	A	G	0.200	0.024	0.030	3.23E-16	-0.059	0.030	0.044	0.002	66.655	TRUE	3.81E-13
Overall asthma	IL6R	rs147830103	A	G	-0.535	0.026	0.028	1.26E-96	0.005	0.032	0.880	0.012	435.084	TRUE	3.38E-88
Overall asthma	IL6R	rs149432883	A	G	-0.249	0.013	0.110	6.07E-77	-0.009	0.015	0.570	0.010	344.672	TRUE	2.52E-69
Overall asthma	IL6R	rs149481318	C	T	-0.530	0.026	0.025	1.02E-89	-0.063	0.033	0.052	0.011	403.345	TRUE	8.84E-78
Overall asthma	IL6R	rs150715756	A	G	0.162	0.030	0.020	4.67E-08	0.043	0.034	0.210	0.001	29.848	TRUE	1.09E-06
Overall asthma	IL6R	rs150819290	A	G	0.493	0.054	0.006	1.42E-19	-0.057	0.053	0.280	0.002	81.913	TRUE	6.02E-17
Overall asthma	IL6R	rs150862574	C	T	-0.557	0.053	0.006	1.85E-25	-0.022	0.047	0.640	0.003	108.731	TRUE	6.46E-23
Overall asthma	IL6R	rs151205508	C	T	-0.231	0.038	0.012	9.40E-10	0.017	0.035	0.630	0.001	37.444	TRUE	1.03E-08
Overall asthma	IL6R	rs151256463	C	G	-0.264	0.026	0.027	1.14E-24	0.047	0.034	0.170	0.003	105.139	TRUE	4.14E-21
Overall asthma	IL6R	rs17719419	A	C	-0.158	0.017	0.062	1.19E-19	-0.001	0.018	0.960	0.002	82.264	TRUE	4.11E-18
Overall asthma	IL6R	rs180817467	T	C	0.237	0.036	0.014	3.25E-11	0.027	0.042	0.520	0.001	44.017	TRUE	6.64E-10
Overall asthma	IL6R	rs183641528	A	G	0.331	0.026	0.026	4.03E-37	0.084	0.035	0.016	0.005	162.046	TRUE	1.21E-30
Overall asthma	IL6R	rs186136565	T	C	0.241	0.029	0.021	6.01E-17	0.010	0.029	0.730	0.002	69.970	TRUE	2.42E-15
Overall asthma	IL6R	rs192159309	A	G	-0.177	0.020	0.044	5.38E-18	-0.014	0.019	0.460	0.002	74.734	TRUE	6.86E-16
Overall asthma	IL6R	rs1984285	G	T	-0.091	0.010	0.212	7.86E-19	-0.005	0.011	0.660	0.002	78.531	TRUE	6.08E-17
Overall asthma	IL6R	rs2071576	T	C	-0.106	0.010	0.785	4.66E-25	-0.007	0.012	0.540	0.003	106.903	TRUE	2.26E-22
Overall asthma	IL6R	rs28730729	G	C	0.404	0.020	0.046	2.08E-93	0.002	0.025	0.950	0.012	420.300	TRUE	1.77E-85
Overall asthma	IL6R	rs35902694	G	T	0.092	0.009	0.693	2.63E-24	0.002	0.010	0.840	0.003	103.477	TRUE	3.40E-22
Overall asthma	IL6R	rs3738028	A	C	-0.092	0.009	0.629	3.45E-26	0.013	0.010	0.210	0.003	112.066	TRUE	1.51E-22

Overall asthma	IL6R	rs374532694	A	G	0.416	0.050	0.007	1.71E-16	0.130	0.053	0.016	0.002	67.905	TRUE	6.18E-13
Overall asthma	IL6R	rs3766926	C	T	-0.373	0.006	0.221	1.00E-200	-0.009	0.012	0.450	0.086	3356.922	TRUE	1.00E-200
Overall asthma	IL6R	rs41264253	A	G	-0.158	0.013	0.122	1.32E-35	0.005	0.015	0.760	0.004	155.107	TRUE	2.40E-32
Overall asthma	IL6R	rs41265183	T	C	-0.271	0.014	0.095	1.67E-80	0.017	0.017	0.330	0.010	361.026	TRUE	1.27E-71
Overall asthma	IL6R	rs41265211	T	G	0.302	0.047	0.008	1.76E-10	0.033	0.041	0.420	0.001	40.713	TRUE	3.98E-09
Overall asthma	IL6R	rs41265215	G	A	-0.319	0.024	0.029	1.05E-39	-0.013	0.027	0.640	0.005	173.878	TRUE	8.34E-36
Overall asthma	IL6R	rs41269913	T	C	0.649	0.023	0.035	3.07E-178	0.019	0.025	0.450	0.022	810.279	TRUE	3.88E-160
Overall asthma	IL6R	rs4447019	T	C	0.314	0.057	0.005	4.28E-08	0.000	0.056	1.000	0.001	30.019	TRUE	1.52E-07
Overall asthma	IL6R	rs4845406	G	A	0.105	0.008	0.539	4.13E-36	-0.005	0.010	0.590	0.004	157.416	TRUE	1.86E-32
Overall asthma	IL6R	rs4845698	A	G	0.148	0.023	0.034	2.03E-10	-0.022	0.026	0.400	0.001	40.440	TRUE	4.83E-09
Overall asthma	IL6R	rs56162646	T	C	-0.274	0.023	0.034	1.29E-32	0.013	0.027	0.620	0.004	141.437	TRUE	2.21E-29
Overall asthma	IL6R	rs57034503	T	C	-0.232	0.025	0.029	8.75E-21	0.003	0.029	0.930	0.002	87.421	TRUE	4.17E-19
Overall asthma	IL6R	rs57438059	C	T	0.154	0.022	0.036	5.63E-12	0.010	0.024	0.680	0.001	47.450	TRUE	8.97E-11
Overall asthma	IL6R	rs57569414	A	C	0.527	0.014	0.097	1.41E-302	-0.014	0.015	0.360	0.038	1409.915	TRUE	7.02E-276
Overall asthma	IL6R	rs636176	A	G	0.268	0.018	0.059	1.22E-51	0.051	0.018	0.006	0.006	228.566	TRUE	1.59E-42
Overall asthma	IL6R	rs6660569	T	C	-0.149	0.018	0.052	6.70E-16	0.018	0.026	0.500	0.002	65.215	TRUE	4.68E-14
Overall asthma	IL6R	rs6682000	A	C	-0.070	0.008	0.477	6.99E-17	0.010	0.010	0.330	0.002	69.671	TRUE	1.20E-14
Overall asthma	IL6R	rs6693773	T	C	-0.279	0.020	0.042	3.49E-42	0.002	0.022	0.930	0.005	185.220	TRUE	1.09E-38
Overall asthma	IL6R	rs67860750	C	G	0.325	0.012	0.130	2.19E-151	0.025	0.014	0.063	0.019	686.789	TRUE	7.20E-133
Overall asthma	IL6R	rs71628645	G	A	-0.244	0.041	0.010	1.90E-09	-0.019	0.048	0.690	0.001	36.068	TRUE	1.68E-08
Overall asthma	IL6R	rs72700220	A	C	-0.114	0.017	0.064	2.33E-11	-0.040	0.019	0.035	0.001	44.669	TRUE	6.46E-09
Overall asthma	IL6R	rs72999485	C	G	-0.465	0.018	0.058	1.13E-153	-0.001	0.018	0.960	0.019	697.305	TRUE	2.81E-140
Overall asthma	IL6R	rs73016210	A	G	-0.504	0.031	0.019	1.15E-58	0.005	0.049	0.920	0.007	260.785	TRUE	1.00E-53
Overall asthma	IL6R	rs7367758	T	C	0.064	0.011	0.165	1.25E-08	0.012	0.013	0.370	0.001	32.399	TRUE	2.08E-07
Overall asthma	IL6R	rs74447439	C	G	-0.314	0.034	0.016	9.46E-21	-0.058	0.044	0.180	0.002	87.266	TRUE	9.97E-18
Overall asthma	IL6R	rs74660920	T	C	-0.095	0.011	0.162	5.78E-17	-0.002	0.015	0.890	0.002	70.045	TRUE	1.47E-15
Overall asthma	IL6R	rs74859699	A	G	0.412	0.022	0.039	6.87E-81	0.000	0.024	0.990	0.010	362.791	TRUE	3.45E-74
Overall asthma	IL6R	rs7514174	T	C	0.152	0.020	0.044	2.09E-14	0.033	0.021	0.120	0.002	58.441	TRUE	6.10E-12
Overall asthma	IL6R	rs7523010	A	T	-0.088	0.010	0.246	1.41E-19	-0.008	0.012	0.490	0.002	81.931	TRUE	2.35E-17
Overall asthma	IL6R	rs76289529	T	C	0.676	0.020	0.047	1.36E-258	0.032	0.025	0.200	0.032	1179.927	TRUE	5.34E-230
Overall asthma	IL6R	rs76459982	G	A	-0.515	0.030	0.019	3.36E-68	0.007	0.034	0.830	0.008	304.535	TRUE	3.45E-62
Overall asthma	IL6R	rs76529808	T	C	-0.219	0.038	0.012	1.15E-08	0.073	0.041	0.076	0.001	32.576	TRUE	6.97E-07
Overall asthma	IL6R	rs76683466	T	C	0.312	0.016	0.073	7.32E-83	-0.009	0.022	0.700	0.010	371.854	TRUE	4.02E-75
Overall asthma	IL6R	rs76798800	T	G	0.078	0.009	0.307	7.16E-18	-0.016	0.011	0.150	0.002	74.167	TRUE	4.62E-15
Overall asthma	IL6R	rs77448944	T	C	0.219	0.028	0.024	2.66E-15	-0.025	0.036	0.500	0.002	62.503	TRUE	1.61E-13
Overall asthma	IL6R	rs77490383	T	G	-0.343	0.050	0.007	9.25E-12	-0.014	0.047	0.760	0.001	46.478	TRUE	1.13E-10
Overall asthma	IL6R	rs77510509	C	T	0.271	0.015	0.083	1.12E-71	0.006	0.016	0.700	0.009	320.495	TRUE	5.56E-65
Overall asthma	IL6R	rs77667186	T	C	0.156	0.021	0.045	3.11E-14	-0.009	0.026	0.740	0.002	57.664	TRUE	6.92E-13
Overall asthma	IL6R	rs77801962	C	T	0.531	0.022	0.036	1.30E-127	0.024	0.028	0.390	0.016	577.489	TRUE	2.43E-114
Overall asthma	IL6R	rs78031781	T	C	0.344	0.055	0.006	3.16E-10	-0.120	0.055	0.031	0.001	39.572	TRUE	6.44E-08
Overall asthma	IL6R	rs78431420	T	G	0.291	0.026	0.028	5.82E-30	0.065	0.035	0.061	0.004	129.297	TRUE	3.67E-25
Overall asthma	IL6R	rs78516530	G	C	0.167	0.023	0.033	4.40E-13	0.018	0.031	0.570	0.001	52.454	TRUE	1.25E-11

Overall asthma	IL6R	rs78651737	T	C	-0.114	0.017	0.066	1.91E-11	0.007	0.019	0.710	0.001	45.054	TRUE	2.47E-10
Overall asthma	IL6R	rs78939464	T	C	-0.151	0.025	0.027	3.50E-09	0.042	0.032	0.180	0.001	34.883	TRUE	1.25E-07
Overall asthma	IL6R	rs79219014	T	G	0.631	0.032	0.017	5.19E-84	0.031	0.029	0.300	0.010	377.129	TRUE	1.29E-74
Overall asthma	IL6R	rs79438264	T	C	0.521	0.027	0.025	1.13E-85	0.022	0.027	0.420	0.011	384.759	TRUE	1.08E-76
Overall asthma	IL6R	rs79752373	A	G	-0.290	0.026	0.026	3.73E-29	0.020	0.042	0.640	0.004	125.611	TRUE	2.97E-26
Overall asthma	IL6R	rs79778789	G	A	0.672	0.026	0.027	3.56E-142	-0.043	0.037	0.240	0.018	644.436	TRUE	1.59E-126
Overall asthma	IL6R	rs79810698	A	C	0.144	0.021	0.040	1.26E-11	-0.010	0.023	0.650	0.001	45.881	TRUE	1.93E-10
Overall asthma	IL6R	rs8192484	T	A	-0.249	0.024	0.030	1.85E-25	0.001	0.032	0.970	0.003	108.734	TRUE	1.89E-23
Overall asthma	IL6R	rs878436	C	T	0.161	0.022	0.038	9.93E-14	-0.010	0.027	0.710	0.002	55.378	TRUE	2.14E-12
Overall asthma	IL6R	rs883319	T	C	-0.110	0.010	0.225	2.45E-28	0.004	0.011	0.760	0.003	121.872	TRUE	1.02E-25
Overall asthma	IL6R	rs9660002	T	C	-0.170	0.008	0.445	3.02E-91	0.009	0.010	0.360	0.011	410.365	TRUE	1.79E-81
Overall asthma	IL6R	rs9919337	T	C	-0.124	0.010	0.260	4.26E-38	0.017	0.010	0.110	0.005	166.510	TRUE	1.62E-32
Overall asthma	INHBB	rs10460452	A	G	-0.125	0.009	0.637	1.54E-47	0.017	0.010	0.083	0.006	209.759	TRUE	7.56E-41
Overall asthma	INHBB	rs111442610	A	G	0.234	0.019	0.051	3.30E-35	-0.079	0.021	1.70E-04	0.004	153.290	TRUE	4.01E-27
Overall asthma	INHBB	rs111806057	G	C	-0.215	0.035	0.014	1.02E-09	-0.020	0.040	0.620	0.001	37.277	TRUE	1.14E-08
Overall asthma	INHBB	rs113129912	A	G	-0.239	0.025	0.029	3.01E-22	-0.013	0.030	0.660	0.003	94.086	TRUE	4.76E-20
Overall asthma	INHBB	rs115353569	T	C	0.169	0.022	0.038	5.12E-15	0.005	0.040	0.900	0.002	61.212	TRUE	8.53E-14
Overall asthma	INHBB	rs115487840	A	G	-0.229	0.033	0.016	2.09E-12	0.011	0.030	0.710	0.001	49.391	TRUE	3.36E-11
Overall asthma	INHBB	rs115739359	G	C	0.155	0.023	0.035	1.96E-11	-0.043	0.030	0.160	0.001	45.006	TRUE	1.74E-09
Overall asthma	INHBB	rs116205044	A	C	-0.097	0.016	0.071	2.08E-09	-0.022	0.022	0.310	0.001	35.893	TRUE	4.86E-08
Overall asthma	INHBB	rs11685627	A	G	-0.058	0.008	0.482	3.81E-12	-0.013	0.010	0.200	0.001	48.217	TRUE	3.57E-10
Overall asthma	INHBB	rs148119584	C	T	-0.176	0.021	0.041	4.76E-17	0.061	0.029	0.036	0.002	70.431	TRUE	9.96E-14
Overall asthma	INHBB	rs17049444	G	A	0.077	0.012	0.142	1.53E-10	0.002	0.012	0.900	0.001	40.993	TRUE	1.06E-09
Overall asthma	INHBB	rs17050272	A	G	0.341	0.007	0.418	1.00E-200	-0.020	0.010	0.035	0.065	2483.103	TRUE	1.00E-200
Overall asthma	INHBB	rs17389324	T	C	0.060	0.008	0.417	9.90E-13	-0.013	0.010	0.170	0.001	50.862	TRUE	1.13E-10
Overall asthma	INHBB	rs2140779	T	C	-0.060	0.011	0.195	1.28E-08	0.020	0.014	0.150	0.001	32.363	TRUE	4.55E-07
Overall asthma	INHBB	rs36103095	C	G	-0.168	0.010	0.227	1.07E-63	0.007	0.011	0.560	0.008	283.869	TRUE	2.47E-57
Overall asthma	INHBB	rs4849911	C	T	0.080	0.013	0.875	2.39E-10	-0.013	0.014	0.360	0.001	40.113	TRUE	6.45E-09
Overall asthma	INHBB	rs55641520	T	C	-0.259	0.029	0.023	1.44E-19	-0.001	0.049	0.980	0.002	81.885	TRUE	4.57E-18
Overall asthma	INHBB	rs62167030	T	C	-0.108	0.018	0.057	2.50E-09	-0.021	0.019	0.290	0.001	35.535	TRUE	6.75E-08
Overall asthma	INHBB	rs7572399	T	C	-0.148	0.015	0.908	1.78E-24	0.019	0.016	0.220	0.003	104.249	TRUE	3.62E-21
Overall asthma	INHBB	rs76926392	T	C	0.250	0.014	0.094	2.59E-68	0.016	0.018	0.380	0.009	305.053	TRUE	6.73E-61
Overall asthma	INHBB	rs77647252	C	G	0.105	0.015	0.085	1.59E-12	0.011	0.021	0.600	0.001	49.936	TRUE	3.54E-11
Overall asthma	INHBB	rs78565816	G	A	0.078	0.013	0.109	5.55E-09	0.016	0.018	0.380	0.001	33.984	TRUE	9.65E-08
Overall asthma	INHBB	rs79590922	T	C	-0.099	0.013	0.111	7.95E-14	0.014	0.016	0.400	0.002	55.815	TRUE	4.87E-12
Overall asthma	INHBB	rs9677933	T	C	-0.164	0.012	0.151	7.21E-45	0.001	0.013	0.950	0.006	197.525	TRUE	3.42E-41
Overall asthma	IRF2	rs3775576	A	C	-0.066	0.011	0.851	3.88E-09	0.038	0.013	0.005	0.001	34.683	TRUE	1.51E-06
Overall asthma	MANBA	rs10028984	C	T	0.301	0.017	0.058	2.73E-69	0.012	0.021	0.580	0.009	309.537	TRUE	1.96E-62
Overall asthma	MANBA	rs1022347	A	C	0.180	0.017	0.942	7.88E-26	0.022	0.023	0.330	0.003	110.425	TRUE	1.19E-22
Overall asthma	MANBA	rs112730086	A	G	-0.238	0.034	0.014	1.87E-12	0.010	0.043	0.820	0.001	49.618	TRUE	2.30E-11
Overall asthma	MANBA	rs113147841	G	C	0.207	0.025	0.027	9.77E-17	-0.028	0.029	0.340	0.002	69.012	TRUE	1.54E-14
Overall asthma	MANBA	rs114473485	C	T	0.120	0.021	0.039	8.91E-09	-0.016	0.025	0.520	0.001	33.065	TRUE	9.92E-08

Overall asthma	MANBA	rs114820272	G	C	-0.230	0.032	0.017	2.94E-13	-0.004	0.031	0.910	0.001	53.245	TRUE	3.45E-12
Overall asthma	MANBA	rs114904800	G	A	0.182	0.028	0.020	1.64E-10	-0.060	0.034	0.075	0.001	40.849	TRUE	1.89E-08
Overall asthma	MANBA	rs116668132	C	A	-0.163	0.016	0.067	2.76E-25	0.029	0.020	0.150	0.003	107.940	TRUE	1.43E-21
Overall asthma	MANBA	rs116699774	T	C	-0.168	0.026	0.024	6.61E-11	0.004	0.034	0.910	0.001	42.628	TRUE	4.80E-10
Overall asthma	MANBA	rs11734573	A	G	0.057	0.009	0.237	9.20E-10	0.009	0.012	0.430	0.001	37.485	TRUE	1.62E-08
Overall asthma	MANBA	rs11944004	A	G	0.159	0.016	0.063	6.24E-22	-0.043	0.020	0.033	0.003	92.644	TRUE	7.40E-18
Overall asthma	MANBA	rs12513074	A	T	-0.202	0.010	0.174	1.64E-83	-0.008	0.013	0.520	0.010	374.833	TRUE	3.37E-75
Overall asthma	MANBA	rs13133568	C	T	-0.174	0.019	0.047	5.67E-20	0.008	0.021	0.710	0.002	83.726	TRUE	4.62E-18
Overall asthma	MANBA	rs13148620	T	C	-0.113	0.020	0.042	1.16E-08	0.020	0.022	0.380	0.001	32.551	TRUE	1.90E-07
Overall asthma	MANBA	rs138432481	A	G	-0.279	0.039	0.011	1.26E-12	0.007	0.045	0.880	0.001	50.382	TRUE	1.40E-11
Overall asthma	MANBA	rs138495812	A	T	-0.176	0.019	0.046	9.54E-21	0.016	0.023	0.490	0.002	87.250	TRUE	2.12E-18
Overall asthma	MANBA	rs139969535	G	A	-0.136	0.025	0.026	3.11E-08	0.006	0.029	0.840	0.001	30.635	TRUE	1.54E-07
Overall asthma	MANBA	rs139979022	A	C	0.225	0.024	0.028	4.78E-21	-0.050	0.026	0.055	0.002	88.615	TRUE	2.44E-17
Overall asthma	MANBA	rs140575453	C	T	0.264	0.027	0.021	1.68E-22	0.003	0.035	0.940	0.003	95.243	TRUE	1.07E-20
Overall asthma	MANBA	rs142948950	C	T	0.315	0.054	0.005	5.57E-09	-0.022	0.051	0.660	0.001	33.978	TRUE	4.68E-08
Overall asthma	MANBA	rs142957330	C	T	0.212	0.028	0.020	1.75E-14	0.012	0.036	0.740	0.002	58.794	TRUE	4.10E-13
Overall asthma	MANBA	rs144101584	C	A	0.159	0.022	0.032	5.09E-13	0.003	0.027	0.900	0.001	52.165	TRUE	5.69E-12
Overall asthma	MANBA	rs145978533	A	G	0.292	0.022	0.034	1.40E-41	-0.076	0.028	0.006	0.005	182.456	TRUE	4.96E-34
Overall asthma	MANBA	rs147313775	C	T	-0.114	0.020	0.042	6.52E-09	0.027	0.027	0.320	0.001	33.670	TRUE	1.32E-07
Overall asthma	MANBA	rs149356990	T	C	0.225	0.028	0.021	1.04E-15	0.000	0.031	1.000	0.002	64.359	TRUE	1.52E-14
Overall asthma	MANBA	rs1599686	C	T	-0.098	0.008	0.670	5.04E-31	0.003	0.011	0.810	0.004	134.155	TRUE	2.74E-28
Overall asthma	MANBA	rs170989	T	C	-0.060	0.009	0.739	5.16E-11	-0.017	0.011	0.140	0.001	43.115	TRUE	4.87E-09
Overall asthma	MANBA	rs17285920	C	T	-0.132	0.018	0.053	1.52E-13	-0.046	0.028	0.098	0.002	54.546	TRUE	3.88E-11
Overall asthma	MANBA	rs180841024	G	A	-0.249	0.016	0.063	1.80E-52	0.027	0.019	0.160	0.006	232.370	TRUE	1.06E-45
Overall asthma	MANBA	rs223366	G	A	0.231	0.008	0.598	1.06E-182	-0.013	0.010	0.200	0.023	830.796	TRUE	3.49E-162
Overall asthma	MANBA	rs227275	C	A	-0.295	0.006	0.510	1.00E-200	0.031	0.010	0.001	0.057	2138.182	TRUE	1.00E-200
Overall asthma	MANBA	rs2631268	T	G	-0.069	0.009	0.320	5.47E-16	-0.004	0.011	0.690	0.002	65.615	TRUE	2.01E-14
Overall asthma	MANBA	rs3113677	C	T	-0.164	0.023	0.969	8.70E-13	0.000	0.020	0.990	0.001	51.115	TRUE	7.56E-12
Overall asthma	MANBA	rs34316881	T	C	-0.092	0.016	0.062	2.09E-08	0.036	0.017	0.034	0.001	31.408	TRUE	1.87E-06
Overall asthma	MANBA	rs3774965	C	A	0.113	0.020	0.043	8.40E-09	0.007	0.025	0.770	0.001	33.178	TRUE	5.36E-08
Overall asthma	MANBA	rs41275743	A	G	0.322	0.040	0.009	4.69E-16	-0.046	0.062	0.450	0.002	65.918	TRUE	3.79E-14
Overall asthma	MANBA	rs537674758	A	G	0.365	0.019	0.047	2.45E-83	-0.027	0.024	0.260	0.010	374.036	TRUE	6.92E-74
Overall asthma	MANBA	rs573711653	G	A	-0.150	0.027	0.022	1.96E-08	-0.014	0.038	0.720	0.001	31.528	TRUE	1.32E-07
Overall asthma	MANBA	rs57957741	A	G	-0.049	0.008	0.592	1.55E-09	-0.005	0.010	0.640	0.001	36.472	TRUE	1.57E-08
Overall asthma	MANBA	rs58365868	C	T	0.299	0.037	0.012	3.58E-16	-0.002	0.033	0.940	0.002	66.453	TRUE	6.69E-15
Overall asthma	MANBA	rs62329496	T	C	-0.053	0.009	0.293	1.03E-09	-0.007	0.010	0.490	0.001	37.265	TRUE	1.65E-08
Overall asthma	MANBA	rs6832621	C	T	-0.116	0.019	0.045	1.42E-09	0.023	0.024	0.320	0.001	36.638	TRUE	3.25E-08
Overall asthma	MANBA	rs72665028	G	C	0.363	0.024	0.027	2.80E-51	-0.062	0.033	0.063	0.006	226.908	TRUE	7.59E-44
Overall asthma	MANBA	rs72668702	G	A	0.103	0.018	0.054	7.20E-09	-0.011	0.021	0.610	0.001	33.478	TRUE	6.83E-08
Overall asthma	MANBA	rs72937532	G	A	0.091	0.012	0.134	9.62E-15	-0.013	0.015	0.370	0.002	59.969	TRUE	7.32E-13
Overall asthma	MANBA	rs76440321	C	G	-0.343	0.035	0.012	2.26E-22	-0.031	0.045	0.480	0.003	94.651	TRUE	7.22E-20
Overall asthma	MANBA	rs76552764	A	G	-0.128	0.022	0.035	4.48E-09	0.021	0.028	0.450	0.001	34.402	TRUE	6.41E-08

Overall asthma	MANBA	rs7656627	G	A	-0.055	0.008	0.634	3.55E-11	-0.001	0.010	0.900	0.001	43.843	TRUE	2.80E-10
Overall asthma	MANBA	rs7678717	G	A	0.312	0.008	0.317	9.75E-303	-0.010	0.010	0.310	0.038	1401.455	TRUE	5.92E-274
Overall asthma	MANBA	rs76884108	T	C	0.132	0.021	0.037	2.94E-10	0.004	0.029	0.890	0.001	39.715	TRUE	1.99E-09
Overall asthma	MANBA	rs7698702	T	C	0.048	0.008	0.574	2.54E-09	0.005	0.010	0.630	0.001	35.507	TRUE	2.47E-08
Overall asthma	MANBA	rs77252379	G	A	0.179	0.025	0.027	4.00E-13	-0.036	0.031	0.240	0.001	52.642	TRUE	3.56E-11
Overall asthma	MANBA	rs77611518	G	A	-0.125	0.021	0.037	2.36E-09	0.021	0.027	0.420	0.001	35.650	TRUE	3.79E-08
Overall asthma	MANBA	rs77627911	T	C	0.233	0.023	0.030	5.83E-24	-0.038	0.035	0.280	0.003	101.898	TRUE	7.89E-21
Overall asthma	MANBA	rs77663176	T	A	0.378	0.018	0.052	9.14E-103	-0.048	0.021	0.024	0.013	463.285	TRUE	2.06E-88
Overall asthma	MANBA	rs78047097	C	T	0.268	0.030	0.018	3.13E-19	-0.009	0.042	0.840	0.002	80.353	TRUE	1.46E-17
Overall asthma	MANBA	rs80130349	G	T	-0.299	0.041	0.010	3.04E-13	0.100	0.050	0.040	0.001	53.179	TRUE	1.38E-10
Overall asthma	MANBA	rs80269225	C	G	0.239	0.032	0.016	7.37E-14	0.043	0.041	0.300	0.002	55.963	TRUE	6.45E-12
Overall asthma	NMT1	rs1053733	A	G	0.046	0.008	0.401	1.69E-08	0.043	0.010	7.50E-06	0.001	31.816	TRUE	3.45E-05
Overall asthma	P4HB	rs11077994	T	G	-0.061	0.008	0.380	1.31E-13	0.001	0.010	0.920	0.002	54.839	TRUE	1.57E-12
Overall asthma	P4HB	rs62079523	A	G	0.127	0.008	0.352	1.43E-52	-0.024	0.010	0.017	0.007	232.837	TRUE	4.90E-44
Overall asthma	P4HB	rs77560416	A	G	0.077	0.011	0.171	2.56E-13	-0.011	0.014	0.460	0.002	53.519	TRUE	1.15E-11
Overall asthma	P4HB	rs8081117	T	C	-0.093	0.013	0.110	2.72E-13	0.015	0.017	0.350	0.001	53.396	TRUE	1.47E-11
Overall asthma	PPID	rs112970794	T	C	-0.168	0.019	0.048	5.34E-19	-0.005	0.022	0.830	0.002	79.295	TRUE	2.41E-17
Overall asthma	PPID	rs114126688	C	G	-0.154	0.019	0.050	2.52E-16	0.001	0.023	0.970	0.002	67.143	TRUE	4.51E-15
Overall asthma	PPID	rs115877139	G	A	0.193	0.025	0.029	7.57E-15	0.020	0.030	0.510	0.002	60.440	TRUE	3.89E-13
Overall asthma	PPID	rs11730098	A	G	0.060	0.009	0.284	4.38E-11	0.012	0.010	0.250	0.001	43.434	TRUE	2.32E-09
Overall asthma	PPID	rs12505065	C	T	0.084	0.009	0.294	4.66E-21	-0.009	0.011	0.380	0.002	88.665	TRUE	1.67E-18
Overall asthma	PPID	rs1350027	A	G	0.085	0.008	0.559	3.47E-25	-0.012	0.010	0.220	0.003	107.488	TRUE	1.05E-21
Overall asthma	PPID	rs140671792	G	A	0.187	0.027	0.022	9.89E-12	-0.049	0.034	0.150	0.001	46.348	TRUE	9.78E-10
Overall asthma	PPID	rs150430651	C	T	0.256	0.038	0.012	2.55E-11	0.002	0.043	0.960	0.001	44.496	TRUE	1.81E-10
Overall asthma	PPID	rs17843929	T	C	0.266	0.009	0.261	7.17E-185	-0.028	0.011	0.010	0.023	840.782	TRUE	4.58E-160
Overall asthma	PPID	rs17843932	A	G	0.209	0.026	0.026	4.52E-16	-0.068	0.029	0.017	0.002	65.991	TRUE	1.12E-12
Overall asthma	PPID	rs2070631	A	G	-0.908	0.035	0.013	3.37E-152	-0.009	0.027	0.750	0.019	690.527	TRUE	4.07E-138
Overall asthma	PPID	rs28455789	A	G	0.095	0.013	0.117	1.49E-13	0.017	0.013	0.190	0.002	54.582	TRUE	1.99E-11
Overall asthma	PPID	rs28861828	A	G	-0.107	0.008	0.641	2.90E-36	0.001	0.010	0.900	0.004	158.118	TRUE	3.29E-33
Overall asthma	PPID	rs4632606	A	G	0.230	0.034	0.014	2.33E-11	-0.045	0.029	0.120	0.001	44.672	TRUE	2.49E-09
Overall asthma	PPID	rs56393004	C	G	0.087	0.011	0.169	1.28E-15	-0.021	0.013	0.120	0.002	63.936	TRUE	5.97E-13
Overall asthma	PPID	rs62352866	A	G	0.105	0.008	0.424	5.57E-37	-0.007	0.010	0.480	0.005	161.400	TRUE	5.43E-33
Overall asthma	PPID	rs72691475	A	G	0.224	0.040	0.012	1.65E-08	-0.045	0.039	0.240	0.001	31.864	TRUE	3.76E-07
Overall asthma	PPID	rs73859142	T	C	0.103	0.014	0.098	4.30E-14	0.006	0.017	0.710	0.002	57.023	TRUE	1.01E-12
Overall asthma	PPID	rs7687017	G	A	-0.102	0.009	0.284	2.19E-29	0.011	0.011	0.310	0.004	126.665	TRUE	9.03E-26
Overall asthma	PPID	rs77487671	T	A	0.180	0.023	0.033	4.81E-15	-0.071	0.028	0.010	0.002	61.331	TRUE	1.19E-11
Overall asthma	PPID	rs78398217	A	G	0.230	0.036	0.013	1.36E-10	-0.059	0.032	0.068	0.001	41.212	TRUE	1.84E-08
Overall asthma	TFRC	rs35270284	T	C	0.059	0.010	0.214	2.52E-09	0.032	0.012	0.006	0.001	35.520	TRUE	7.38E-07
Overall asthma	TFRC	rs3827554	C	A	0.076	0.009	0.695	7.27E-18	0.026	0.010	0.012	0.002	74.138	TRUE	5.97E-14
Overall asthma	TFRC	rs73208017	G	C	-0.069	0.012	0.130	1.84E-08	-0.022	0.014	0.110	0.001	31.658	TRUE	7.65E-07
Overall asthma	TMEM106B	rs3173615	G	C	-0.112	0.008	0.402	6.38E-44	0.025	0.010	0.009	0.005	193.186	TRUE	3.19E-36
Overall asthma	TMEM106B	rs35801246	C	T	-0.069	0.012	0.131	2.53E-09	0.008	0.013	0.560	0.001	35.513	TRUE	3.07E-08

Overall asthma	TNFAIP3	rs5029937	T	G	0.399	0.025	0.025	2.33E-55	-0.064	0.026	0.015	0.007	245.621	TRUE	2.11E-46
Overall asthma	TNFAIP3	rs55960928	T	C	0.064	0.009	0.231	1.72E-11	-0.008	0.011	0.480	0.001	45.262	TRUE	4.46E-10
Overall asthma	TNFAIP3	rs58424023	C	T	0.142	0.021	0.038	9.85E-12	0.014	0.022	0.520	0.001	46.356	TRUE	2.25E-10
Overall asthma	TNFAIP3	rs67543742	G	A	-0.061	0.010	0.195	3.68E-09	-0.025	0.011	0.029	0.001	34.784	TRUE	5.61E-07
Overall asthma	TNFAIP3	rs72980707	C	G	0.257	0.037	0.011	2.96E-12	-0.068	0.031	0.030	0.001	48.713	TRUE	1.34E-09
Overall asthma	UNC5B	rs1060184	G	C	-0.082	0.013	0.123	6.13E-11	0.021	0.014	0.120	0.001	42.775	TRUE	5.23E-09
Overall asthma	UNC5B	rs10999754	T	C	0.194	0.023	0.034	2.90E-17	0.004	0.033	0.910	0.002	71.411	TRUE	7.33E-16
Overall asthma	UNC5B	rs10999760	A	G	0.136	0.011	0.177	3.63E-37	0.009	0.013	0.470	0.005	162.249	TRUE	3.85E-33
Overall asthma	UNC5B	rs112107680	C	G	0.132	0.018	0.056	1.52E-13	0.013	0.020	0.520	0.002	54.548	TRUE	5.51E-12
Overall asthma	UNC5B	rs118167791	A	G	0.434	0.035	0.016	4.01E-36	-0.035	0.071	0.630	0.004	157.477	TRUE	1.53E-32
Overall asthma	UNC5B	rs12262480	C	A	0.189	0.014	0.095	3.18E-41	-0.042	0.018	0.021	0.005	180.828	TRUE	2.66E-34
Overall asthma	UNC5B	rs12355891	T	C	-0.103	0.016	0.074	4.14E-11	0.021	0.017	0.220	0.001	43.546	TRUE	2.35E-09
Overall asthma	UNC5B	rs12776342	A	C	0.052	0.009	0.274	1.61E-08	0.005	0.011	0.650	0.001	31.912	TRUE	1.23E-07
Overall asthma	UNC5B	rs138455032	G	C	0.240	0.030	0.020	8.39E-16	-0.021	0.042	0.610	0.002	64.773	TRUE	3.76E-14
Overall asthma	UNC5B	rs1572858	G	A	-0.068	0.008	0.446	3.32E-16	0.010	0.010	0.300	0.002	66.601	TRUE	5.24E-14
Overall asthma	UNC5B	rs188646299	G	A	0.288	0.049	0.007	4.18E-09	-0.046	0.060	0.440	0.001	34.536	TRUE	6.19E-08
Overall asthma	UNC5B	rs2394787	T	A	0.113	0.021	0.959	4.06E-08	0.009	0.025	0.730	0.001	30.118	TRUE	2.50E-07
Overall asthma	UNC5B	rs3781311	G	A	0.050	0.008	0.444	1.21E-09	0.002	0.010	0.870	0.001	36.958	TRUE	7.50E-09
Overall asthma	UNC5B	rs4517438	C	G	-0.056	0.009	0.363	5.06E-11	-0.009	0.010	0.350	0.001	43.151	TRUE	1.64E-09
Overall asthma	UNC5B	rs58539535	G	C	-0.097	0.012	0.128	3.49E-15	0.002	0.015	0.880	0.002	61.965	TRUE	6.34E-14
Overall asthma	UNC5B	rs60521839	T	C	-0.213	0.022	0.037	1.39E-22	0.043	0.028	0.130	0.003	95.616	TRUE	4.25E-19
Overall asthma	UNC5B	rs7074672	T	C	-0.055	0.010	0.769	1.42E-08	0.006	0.012	0.610	0.001	32.158	TRUE	1.21E-07
Overall asthma	UNC5B	rs7091097	T	C	-0.067	0.011	0.826	7.93E-10	-0.014	0.015	0.360	0.001	37.775	TRUE	1.87E-08
Overall asthma	UNC5B	rs77080751	A	G	0.147	0.016	0.069	5.44E-20	-0.030	0.022	0.170	0.002	83.808	TRUE	5.19E-17
Overall asthma	UNC5B	rs7918500	G	C	-0.129	0.017	0.064	2.32E-14	0.004	0.021	0.830	0.002	58.236	TRUE	4.05E-13
Overall asthma	UNC5B	rs79671692	C	G	0.078	0.013	0.112	1.65E-09	-0.026	0.017	0.120	0.001	36.343	TRUE	9.24E-08
Allergic asthma	BDNF	rs10501089	T	C	0.163	0.016	0.071	6.10E-24	-0.051	0.023	0.025	0.003	101.807	TRUE	3.82E-18
Allergic asthma	BDNF	rs28383487	T	G	-0.159	0.023	0.036	1.65E-12	-0.050	0.029	0.081	0.001	49.854	TRUE	1.80E-09
Allergic asthma	BDNF	rs10501089	T	C	0.129	0.016	0.071	3.45E-16	-0.051	0.023	0.025	0.002	66.523	TRUE	6.31E-12
Allergic asthma	BDNF	rs28383487	T	G	-0.132	0.022	0.036	2.76E-09	-0.050	0.029	0.081	0.001	35.343	TRUE	6.72E-07
Allergic asthma	CALCOCO2	rs11650421	T	C	0.062	0.010	0.187	1.16E-09	0.052	0.017	0.002	0.001	37.038	TRUE	3.58E-06
Allergic asthma	CALCOCO2	rs78096421	C	T	-0.133	0.024	0.029	3.24E-08	-0.097	0.038	0.010	0.001	30.555	TRUE	1.77E-05
Allergic asthma	CAMP	rs55771110	A	G	0.109	0.012	0.149	3.81E-21	0.052	0.016	0.001	0.002	89.067	TRUE	9.60E-15
Allergic asthma	CAMP	rs11130163	C	T	0.048	0.009	0.342	4.87E-08	-0.013	0.016	0.414	0.001	29.766	TRUE	1.34E-06
Allergic asthma	CAMP	rs148675210	A	G	-0.310	0.034	0.016	7.13E-20	0.038	0.056	0.504	0.002	83.271	TRUE	8.53E-17
Allergic asthma	CAMP	rs55771110	A	G	0.102	0.012	0.149	1.16E-18	0.052	0.016	0.001	0.002	77.771	TRUE	7.80E-13
Allergic asthma	CAMP	rs73074316	G	A	-0.118	0.020	0.047	1.90E-09	0.037	0.018	0.043	0.001	36.076	TRUE	8.15E-07
Allergic asthma	CAMP	rs73082350	A	G	-0.305	0.034	0.015	1.98E-19	0.024	0.041	0.558	0.002	81.259	TRUE	1.61E-16
Allergic asthma	ELANE	rs10409474	G	C	0.454	0.012	0.139	2.15E-291	0.049	0.022	0.027	0.036	1330.856	TRUE	3.06E-242
Allergic asthma	ELANE	rs10423512	G	A	-0.064	0.010	0.218	5.93E-10	0.009	0.015	0.558	0.001	38.342	TRUE	2.10E-08
Allergic asthma	ELANE	rs10469327	T	C	-0.254	0.017	0.929	3.21E-50	-0.111	0.038	0.004	0.006	222.052	TRUE	1.91E-38
Allergic asthma	ELANE	rs11549878	A	G	0.126	0.014	0.099	3.11E-18	0.044	0.025	0.073	0.002	75.812	TRUE	4.61E-14

Allergic asthma	ELANE	rs11666067	A	C	0.049	0.009	0.570	1.94E-08	0.014	0.014	0.306	0.001	31.553	TRUE	8.99E-07
Allergic asthma	ELANE	rs11669180	A	G	0.173	0.018	0.063	1.24E-21	-0.038	0.039	0.336	0.003	91.281	TRUE	6.49E-18
Allergic asthma	ELANE	rs116838401	T	C	0.132	0.023	0.037	6.74E-09	0.011	0.043	0.802	0.001	33.607	TRUE	8.81E-08
Allergic asthma	ELANE	rs116872704	T	C	0.185	0.032	0.018	6.54E-09	0.005	0.041	0.902	0.001	33.666	TRUE	6.71E-08
Allergic asthma	ELANE	rs117231919	T	C	0.208	0.017	0.071	1.25E-33	-0.030	0.025	0.233	0.004	146.060	TRUE	9.87E-28
Allergic asthma	ELANE	rs117778730	G	T	0.204	0.020	0.050	2.64E-24	-0.042	0.048	0.375	0.003	103.468	TRUE	2.75E-20
Allergic asthma	ELANE	rs117821352	A	G	0.218	0.019	0.055	5.66E-30	-0.013	0.036	0.711	0.004	129.352	TRUE	6.11E-26
Allergic asthma	ELANE	rs118130273	T	C	-0.205	0.032	0.019	1.11E-10	0.138	0.047	0.004	0.001	41.612	TRUE	4.62E-07
Allergic asthma	ELANE	rs12461635	G	A	0.077	0.014	0.116	1.42E-08	-0.007	0.017	0.685	0.001	32.161	TRUE	2.25E-07
Allergic asthma	ELANE	rs12973917	T	C	-0.053	0.009	0.319	1.80E-08	-0.034	0.018	0.066	0.001	31.694	TRUE	3.45E-06
Allergic asthma	ELANE	rs12981177	C	T	-0.073	0.013	0.866	1.01E-08	-0.017	0.020	0.395	0.001	32.826	TRUE	3.81E-07
Allergic asthma	ELANE	rs12984504	C	T	-0.097	0.009	0.422	1.35E-28	-0.018	0.014	0.194	0.003	123.060	TRUE	2.56E-23
Allergic asthma	ELANE	rs141399595	T	C	0.314	0.019	0.057	2.36E-63	0.069	0.030	0.021	0.008	282.291	TRUE	1.82E-50
Allergic asthma	ELANE	rs141548740	G	A	0.128	0.019	0.059	5.21E-12	0.049	0.034	0.143	0.001	47.605	TRUE	2.48E-09
Allergic asthma	ELANE	rs142499211	A	G	-0.183	0.027	0.026	1.28E-11	-0.011	0.031	0.715	0.001	45.847	TRUE	4.89E-10
Allergic asthma	ELANE	rs142681305	C	T	0.120	0.019	0.057	2.53E-10	-0.001	0.035	0.985	0.001	40.007	TRUE	3.12E-09
Allergic asthma	ELANE	rs144153164	T	G	0.247	0.033	0.017	6.11E-14	0.000	0.044	0.994	0.002	56.332	TRUE	1.99E-12
Allergic asthma	ELANE	rs144928319	T	G	-0.165	0.018	0.059	4.37E-19	-0.038	0.027	0.161	0.002	79.688	TRUE	3.18E-15
Allergic asthma	ELANE	rs146314743	A	G	0.076	0.011	0.178	1.98E-11	0.058	0.022	0.007	0.001	44.992	TRUE	8.25E-08
Allergic asthma	ELANE	rs147510499	G	C	0.344	0.045	0.009	1.65E-14	0.072	0.106	0.497	0.002	58.907	TRUE	3.38E-12
Allergic asthma	ELANE	rs148276867	T	C	0.121	0.019	0.056	2.32E-10	0.031	0.060	0.603	0.001	40.174	TRUE	8.25E-09
Allergic asthma	ELANE	rs149074911	A	G	0.264	0.024	0.035	1.59E-28	-0.017	0.045	0.712	0.003	122.730	TRUE	1.10E-24
Allergic asthma	ELANE	rs149078772	C	A	-0.129	0.022	0.039	6.59E-09	-0.004	0.043	0.920	0.001	33.650	TRUE	6.48E-08
Allergic asthma	ELANE	rs149993641	A	G	-0.093	0.011	0.179	1.22E-16	-0.039	0.018	0.029	0.002	68.571	TRUE	2.43E-12
Allergic asthma	ELANE	rs17604219	A	T	0.076	0.009	0.304	9.92E-16	-0.012	0.017	0.476	0.002	64.443	TRUE	3.34E-13
Allergic asthma	ELANE	rs181485006	C	T	-0.173	0.030	0.022	7.58E-09	-0.054	0.029	0.061	0.001	33.378	TRUE	1.86E-06
Allergic asthma	ELANE	rs192057249	A	G	0.197	0.028	0.025	2.68E-12	-0.085	0.086	0.322	0.001	48.909	TRUE	5.15E-10
Allergic asthma	ELANE	rs193077512	T	C	-0.188	0.031	0.019	2.07E-09	-0.031	0.039	0.431	0.001	35.907	TRUE	8.98E-08
Allergic asthma	ELANE	rs2007647	A	G	-0.294	0.010	0.277	4.66E-208	-0.021	0.015	0.152	0.026	947.435	TRUE	1.56E-175
Allergic asthma	ELANE	rs2062422	A	G	0.073	0.010	0.278	6.94E-14	0.047	0.018	0.012	0.002	56.083	TRUE	7.91E-10
Allergic asthma	ELANE	rs2301758	G	C	0.060	0.010	0.247	4.24E-09	-0.020	0.016	0.192	0.001	34.510	TRUE	4.27E-07
Allergic asthma	ELANE	rs2306718	A	G	0.073	0.010	0.251	3.93E-13	0.034	0.019	0.073	0.001	52.675	TRUE	6.24E-10
Allergic asthma	ELANE	rs28591229	A	C	0.225	0.027	0.026	9.02E-17	0.050	0.030	0.091	0.002	69.169	TRUE	5.48E-13
Allergic asthma	ELANE	rs34593562	G	A	-0.064	0.009	0.402	8.99E-13	-0.024	0.014	0.082	0.001	51.050	TRUE	1.08E-09
Allergic asthma	ELANE	rs350150	A	G	-0.101	0.009	0.685	3.76E-27	0.009	0.015	0.555	0.003	116.456	TRUE	3.72E-23
Allergic asthma	ELANE	rs351103	G	A	-0.143	0.009	0.341	6.17E-55	0.013	0.014	0.345	0.007	243.675	TRUE	2.28E-46
Allergic asthma	ELANE	rs351984	C	T	-0.219	0.017	0.932	1.70E-36	0.078	0.046	0.090	0.004	159.187	TRUE	2.65E-29
Allergic asthma	ELANE	rs351991	A	G	0.083	0.012	0.159	3.64E-12	0.009	0.021	0.659	0.001	48.309	TRUE	1.96E-10
Allergic asthma	ELANE	rs35414347	T	G	-0.056	0.010	0.244	4.66E-08	0.004	0.015	0.789	0.001	29.854	TRUE	4.87E-07
Allergic asthma	ELANE	rs35646539	T	C	0.131	0.013	0.129	3.85E-24	0.007	0.022	0.756	0.003	102.720	TRUE	5.79E-21
Allergic asthma	ELANE	rs3746172	C	A	-0.090	0.014	0.105	3.16E-10	-0.012	0.022	0.598	0.001	39.570	TRUE	1.09E-08
Allergic asthma	ELANE	rs3795063	G	C	0.066	0.009	0.380	2.12E-13	-0.022	0.014	0.107	0.002	53.884	TRUE	2.55E-10

Allergic asthma	ELANE	rs4147911	G	C	0.120	0.016	0.077	9.77E-14	-0.014	0.037	0.692	0.002	55.409	TRUE	7.77E-12
Allergic asthma	ELANE	rs45477999	A	G	-0.224	0.039	0.013	1.16E-08	-0.016	0.046	0.734	0.001	32.554	TRUE	1.67E-07
Allergic asthma	ELANE	rs56234931	T	C	0.137	0.019	0.052	1.67E-12	-0.008	0.042	0.848	0.001	49.831	TRUE	5.65E-11
Allergic asthma	ELANE	rs56236063	C	T	-0.245	0.026	0.028	1.33E-20	0.027	0.042	0.516	0.002	86.596	TRUE	1.91E-17
Allergic asthma	ELANE	rs62134260	G	T	0.085	0.012	0.145	5.16E-12	0.000	0.020	0.989	0.001	47.623	TRUE	1.00E-10
Allergic asthma	ELANE	rs6510873	A	G	0.069	0.009	0.668	1.11E-13	0.005	0.014	0.712	0.002	55.166	TRUE	8.12E-12
Allergic asthma	ELANE	rs6510964	C	T	0.091	0.009	0.544	6.71E-25	0.001	0.014	0.943	0.003	106.181	TRUE	5.68E-22
Allergic asthma	ELANE	rs7247331	A	G	-0.095	0.009	0.363	7.93E-26	0.008	0.014	0.571	0.003	110.414	TRUE	4.73E-22
Allergic asthma	ELANE	rs7251247	A	C	0.154	0.009	0.421	5.45E-69	-0.014	0.014	0.325	0.009	308.159	TRUE	2.54E-58
Allergic asthma	ELANE	rs7257836	G	T	0.063	0.010	0.776	1.97E-09	-0.009	0.018	0.628	0.001	36.002	TRUE	4.80E-08
Allergic asthma	ELANE	rs7260167	C	T	-0.076	0.009	0.470	1.92E-18	0.022	0.014	0.104	0.002	76.771	TRUE	1.98E-14
Allergic asthma	ELANE	rs72976216	A	T	-0.096	0.016	0.078	2.84E-09	0.012	0.028	0.670	0.001	35.291	TRUE	5.86E-08
Allergic asthma	ELANE	rs73919845	T	C	0.171	0.023	0.038	1.02E-13	0.014	0.041	0.741	0.002	55.321	TRUE	6.89E-12
Allergic asthma	ELANE	rs74520045	T	C	0.200	0.018	0.067	3.29E-30	0.017	0.034	0.606	0.004	130.426	TRUE	6.55E-26
Allergic asthma	ELANE	rs74692002	T	C	-0.167	0.021	0.045	2.89E-15	0.024	0.027	0.372	0.002	62.339	TRUE	1.31E-12
Allergic asthma	ELANE	rs78315645	A	G	-0.086	0.015	0.095	7.64E-09	0.000	0.021	0.993	0.001	33.363	TRUE	6.17E-08
Allergic asthma	ELANE	rs78914045	A	C	0.281	0.023	0.038	1.30E-34	0.066	0.049	0.181	0.004	150.571	TRUE	2.54E-28
Allergic asthma	ELANE	rs79295406	G	A	-0.217	0.017	0.075	2.53E-39	-0.036	0.023	0.116	0.005	172.124	TRUE	7.09E-32
Allergic asthma	ELANE	rs79961820	G	A	0.359	0.019	0.054	9.01E-77	0.047	0.044	0.282	0.010	343.883	TRUE	9.33E-65
Allergic asthma	ELANE	rs930232	A	G	0.063	0.009	0.453	5.31E-13	-0.036	0.014	0.010	0.001	52.085	TRUE	4.16E-09
Allergic asthma	ERBB3	rs140116753	G	A	-0.076	0.014	0.099	3.59E-08	0.020	0.042	0.645	0.001	30.358	TRUE	5.52E-07
Allergic asthma	ERBB3	rs181000607	G	C	0.369	0.054	0.005	7.20E-12	0.051	0.080	0.519	0.001	46.970	TRUE	5.55E-10
Allergic asthma	ERBB3	rs2292238	C	A	-0.107	0.008	0.400	1.83E-37	0.046	0.014	8.94E-04	0.005	163.615	TRUE	2.32E-27
Allergic asthma	HSPA1A	rs114708313	T	A	0.094	0.016	0.067	1.05E-08	-0.014	0.025	0.563	0.001	32.741	TRUE	2.40E-07
Allergic asthma	HSPA1A	rs143439747	A	G	0.094	0.015	0.080	1.96E-10	-0.048	0.037	0.192	0.001	40.503	TRUE	3.47E-08
Allergic asthma	HSPA1A	rs147906938	A	T	0.123	0.021	0.039	2.37E-09	-0.035	0.042	0.402	0.001	35.643	TRUE	1.11E-07
Allergic asthma	HSPA1A	rs2252937	C	T	0.081	0.012	0.122	6.74E-11	-0.120	0.017	6.59E-12	0.001	42.589	TRUE	1.85E-04
Allergic asthma	HSPA1A	rs2395516	C	T	0.055	0.008	0.397	2.01E-11	0.026	0.014	0.059	0.001	44.959	TRUE	1.78E-08
Allergic asthma	HSPA1A	rs28464365	C	T	0.127	0.014	0.085	7.28E-19	-0.061	0.033	0.063	0.002	78.682	TRUE	1.69E-14
Allergic asthma	HSPA1A	rs28869508	T	C	0.261	0.039	0.011	1.21E-11	0.215	0.105	0.041	0.001	45.947	TRUE	1.61E-08
Allergic asthma	HSPA1A	rs34386495	T	C	0.089	0.010	0.228	2.57E-20	-0.055	0.018	0.003	0.002	85.287	TRUE	2.47E-14
Allergic asthma	HSPA1A	rs391755	G	A	0.093	0.015	0.073	2.34E-09	-0.089	0.030	0.003	0.001	35.670	TRUE	5.15E-06
Allergic asthma	HSPA1A	rs4374861	G	A	0.067	0.010	0.802	4.34E-11	0.032	0.019	0.091	0.001	43.452	TRUE	2.20E-08
Allergic asthma	HSPA1A	rs4713424	A	G	0.130	0.021	0.040	5.21E-10	-0.015	0.030	0.620	0.001	38.594	TRUE	1.57E-08
Allergic asthma	HSPA1A	rs521977	G	T	0.065	0.009	0.677	6.51E-14	-0.058	0.015	1.66E-04	0.002	56.208	TRUE	1.04E-08
Allergic asthma	HSPA1A	rs6929057	C	A	0.099	0.009	0.304	5.90E-30	-0.147	0.014	3.47E-24	0.004	129.270	TRUE	9.36E-13
Allergic asthma	HSPA1A	rs9267542	T	C	0.059	0.010	0.224	1.14E-09	-0.079	0.014	1.48E-08	0.001	37.062	TRUE	1.80E-04
Allergic asthma	ICAM1	rs10406152	C	T	0.123	0.012	0.827	6.43E-23	0.000	0.017	0.977	0.003	97.143	TRUE	2.70E-20
Allergic asthma	ICAM1	rs10409101	C	G	-0.452	0.013	0.153	4.91E-274	0.023	0.018	0.215	0.034	1250.977	TRUE	1.94E-232
Allergic asthma	ICAM1	rs10411056	C	A	0.615	0.017	0.078	2.37E-281	-0.057	0.030	0.058	0.035	1284.641	TRUE	2.04E-235
Allergic asthma	ICAM1	rs10411233	C	G	-0.300	0.027	0.031	9.94E-29	0.034	0.039	0.384	0.003	123.665	TRUE	4.39E-24
Allergic asthma	ICAM1	rs10416073	C	A	-0.521	0.022	0.953	4.97E-128	0.041	0.031	0.193	0.016	579.404	TRUE	6.89E-108

Allergic asthma	ICAM1	rs10416139	T	C	0.197	0.010	0.300	8.06E-84	0.007	0.015	0.658	0.010	376.254	TRUE	1.68E-72
Allergic asthma	ICAM1	rs10432313	G	A	0.284	0.025	0.038	7.67E-31	-0.035	0.031	0.258	0.004	133.320	TRUE	1.79E-25
Allergic asthma	ICAM1	rs11085530	G	A	-0.088	0.010	0.327	7.29E-19	0.005	0.014	0.726	0.002	78.679	TRUE	2.50E-16
Allergic asthma	ICAM1	rs111242631	A	G	0.136	0.012	0.194	9.39E-31	0.035	0.015	0.018	0.004	132.916	TRUE	1.71E-23
Allergic asthma	ICAM1	rs111279811	T	C	0.309	0.028	0.029	5.02E-28	-0.033	0.038	0.373	0.003	120.451	TRUE	1.88E-23
Allergic asthma	ICAM1	rs111425704	T	C	0.436	0.028	0.029	9.68E-55	0.007	0.063	0.917	0.007	242.779	TRUE	4.92E-48
Allergic asthma	ICAM1	rs111618907	T	C	-0.295	0.028	0.028	1.84E-26	0.009	0.096	0.922	0.003	113.308	TRUE	2.66E-23
Allergic asthma	ICAM1	rs111619143	C	A	-0.066	0.011	0.249	1.01E-09	0.012	0.018	0.506	0.001	37.302	TRUE	3.87E-08
Allergic asthma	ICAM1	rs111980498	A	G	0.374	0.053	0.008	2.39E-12	0.128	0.065	0.048	0.001	49.133	TRUE	3.93E-09
Allergic asthma	ICAM1	rs112607688	A	G	-0.502	0.031	0.022	2.09E-57	0.036	0.071	0.606	0.007	255.009	TRUE	1.94E-49
Allergic asthma	ICAM1	rs112679566	C	T	-0.142	0.013	0.164	1.08E-29	-0.003	0.018	0.863	0.004	128.070	TRUE	5.17E-26
Allergic asthma	ICAM1	rs113131294	C	G	-0.179	0.029	0.027	7.83E-10	-0.166	0.094	0.076	0.001	37.801	TRUE	2.59E-07
Allergic asthma	ICAM1	rs113337445	A	G	0.432	0.034	0.018	1.58E-36	-0.006	0.036	0.856	0.004	159.334	TRUE	5.73E-32
Allergic asthma	ICAM1	rs113845278	T	C	0.550	0.029	0.026	1.13E-80	0.023	0.040	0.565	0.010	361.794	TRUE	2.03E-69
Allergic asthma	ICAM1	rs114646860	T	C	-0.210	0.015	0.105	4.79E-43	0.046	0.027	0.083	0.005	189.175	TRUE	1.04E-34
Allergic asthma	ICAM1	rs11666263	G	A	0.385	0.006	0.329	1.00E-200	0.015	0.014	0.290	0.112	4489.167	TRUE	1.00E-200
Allergic asthma	ICAM1	rs11666898	T	C	-0.145	0.010	0.305	5.48E-46	0.032	0.014	0.020	0.006	202.649	TRUE	4.81E-36
Allergic asthma	ICAM1	rs11668554	G	A	-0.110	0.010	0.332	1.90E-28	-0.018	0.015	0.228	0.003	122.379	TRUE	2.47E-23
Allergic asthma	ICAM1	rs11673542	C	T	-0.069	0.010	0.395	5.33E-13	0.006	0.014	0.663	0.001	52.075	TRUE	3.70E-11
Allergic asthma	ICAM1	rs116945180	G	T	0.525	0.021	0.051	5.19E-135	-0.001	0.029	0.985	0.017	611.498	TRUE	2.82E-118
Allergic asthma	ICAM1	rs117123413	C	T	0.355	0.043	0.012	1.27E-16	-0.034	0.035	0.333	0.002	68.500	TRUE	1.13E-13
Allergic asthma	ICAM1	rs117246422	A	G	-0.233	0.033	0.020	1.11E-12	-0.034	0.046	0.460	0.001	50.635	TRUE	1.40E-10
Allergic asthma	ICAM1	rs117672823	T	C	-0.592	0.026	0.034	8.08E-119	0.053	0.049	0.285	0.015	537.064	TRUE	9.00E-101
Allergic asthma	ICAM1	rs117719127	T	C	0.402	0.037	0.016	1.29E-27	-0.056	0.044	0.198	0.003	118.586	TRUE	1.64E-22
Allergic asthma	ICAM1	rs117729886	A	G	0.223	0.026	0.033	2.11E-17	-0.079	0.069	0.254	0.002	72.032	TRUE	3.97E-14
Allergic asthma	ICAM1	rs117752662	G	C	-0.150	0.022	0.045	2.43E-11	0.013	0.033	0.681	0.001	44.584	TRUE	9.43E-10
Allergic asthma	ICAM1	rs117815717	T	C	0.205	0.027	0.031	3.76E-14	0.026	0.060	0.668	0.002	57.288	TRUE	3.69E-12
Allergic asthma	ICAM1	rs117986131	T	C	-0.460	0.033	0.021	1.12E-43	-0.134	0.084	0.109	0.005	192.073	TRUE	1.78E-35
Allergic asthma	ICAM1	rs118003100	T	C	-0.604	0.028	0.028	1.38E-104	0.594	0.241	0.014	0.013	471.650	TRUE	1.95E-84
Allergic asthma	ICAM1	rs118094580	A	G	0.381	0.023	0.044	1.70E-62	-0.083	0.034	0.015	0.008	278.357	TRUE	1.75E-49
Allergic asthma	ICAM1	rs12610520	A	G	-0.225	0.012	0.201	3.61E-83	-0.006	0.015	0.692	0.010	373.263	TRUE	4.64E-72
Allergic asthma	ICAM1	rs12611271	G	A	-0.334	0.010	0.268	3.29E-227	0.011	0.016	0.494	0.028	1035.539	TRUE	3.80E-195
Allergic asthma	ICAM1	rs12720359	G	C	-0.425	0.031	0.022	4.67E-42	-0.109	0.056	0.052	0.005	184.644	TRUE	1.71E-33
Allergic asthma	ICAM1	rs12971542	T	C	-0.116	0.018	0.070	1.97E-10	0.017	0.025	0.495	0.001	40.498	TRUE	9.99E-09
Allergic asthma	ICAM1	rs12973338	C	T	-0.106	0.014	0.874	6.24E-14	-0.010	0.023	0.665	0.002	56.291	TRUE	5.78E-12
Allergic asthma	ICAM1	rs12973986	G	A	0.068	0.011	0.233	1.01E-09	0.005	0.016	0.747	0.001	37.313	TRUE	1.95E-08
Allergic asthma	ICAM1	rs12976203	A	T	-0.295	0.020	0.058	3.01E-50	-0.031	0.029	0.283	0.006	222.177	TRUE	4.37E-42
Allergic asthma	ICAM1	rs12977159	C	T	-0.396	0.037	0.984	1.64E-26	-0.002	0.067	0.977	0.003	113.534	TRUE	1.89E-23
Allergic asthma	ICAM1	rs12978069	T	C	-0.169	0.017	0.081	2.37E-22	-0.011	0.029	0.697	0.003	94.558	TRUE	2.68E-19
Allergic asthma	ICAM1	rs138890359	A	C	0.451	0.042	0.013	1.95E-26	-0.120	0.067	0.074	0.003	113.193	TRUE	8.45E-21
Allergic asthma	ICAM1	rs139695121	C	G	-0.322	0.055	0.007	4.08E-09	0.018	0.052	0.727	0.001	34.582	TRUE	6.90E-08
Allergic asthma	ICAM1	rs140244778	T	C	-0.264	0.042	0.012	3.80E-10	-0.002	0.038	0.953	0.001	39.210	TRUE	4.87E-09

Allergic asthma	ICAM1	rs140321423	G	C	0.291	0.041	0.013	1.82E-12	0.142	0.116	0.221	0.001	49.668	TRUE	6.24E-10
Allergic asthma	ICAM1	rs140539236	C	G	0.339	0.049	0.009	2.92E-12	-0.034	0.056	0.548	0.001	48.742	TRUE	2.32E-10
Allergic asthma	ICAM1	rs140672471	T	C	0.512	0.059	0.006	4.84E-18	-0.055	0.078	0.483	0.002	74.941	TRUE	3.45E-15
Allergic asthma	ICAM1	rs141038830	T	C	-0.295	0.040	0.013	2.98E-13	-0.065	0.053	0.220	0.001	53.217	TRUE	1.41E-10
Allergic asthma	ICAM1	rs141682135	T	C	-0.374	0.022	0.045	4.40E-63	-0.105	0.061	0.084	0.008	281.051	TRUE	1.53E-51
Allergic asthma	ICAM1	rs141704615	G	A	-0.525	0.041	0.013	3.34E-37	0.051	0.043	0.238	0.005	162.414	TRUE	8.81E-31
Allergic asthma	ICAM1	rs142065510	T	C	0.372	0.039	0.014	1.96E-21	0.045	0.045	0.318	0.003	90.376	TRUE	1.07E-17
Allergic asthma	ICAM1	rs143368517	T	C	-0.494	0.044	0.011	3.22E-29	0.029	0.064	0.654	0.004	125.899	TRUE	3.68E-25
Allergic asthma	ICAM1	rs143587805	T	A	-0.568	0.044	0.011	1.37E-38	-0.141	0.095	0.137	0.005	168.766	TRUE	2.05E-31
Allergic asthma	ICAM1	rs143756038	T	C	-0.603	0.032	0.021	2.36E-77	0.020	0.038	0.601	0.010	346.557	TRUE	1.10E-66
Allergic asthma	ICAM1	rs143966209	T	C	-0.404	0.026	0.032	3.50E-53	-0.032	0.033	0.331	0.007	235.634	TRUE	8.31E-45
Allergic asthma	ICAM1	rs144062844	G	A	0.452	0.036	0.017	1.73E-36	-0.069	0.065	0.286	0.004	159.144	TRUE	2.26E-30
Allergic asthma	ICAM1	rs144778381	G	C	0.220	0.031	0.023	2.70E-12	-0.056	0.033	0.093	0.001	48.893	TRUE	2.31E-09
Allergic asthma	ICAM1	rs144854414	T	C	-0.338	0.033	0.021	3.39E-24	-0.046	0.033	0.168	0.003	102.971	TRUE	1.64E-19
Allergic asthma	ICAM1	rs146171706	A	G	0.273	0.043	0.013	2.42E-10	0.002	0.075	0.981	0.001	40.092	TRUE	3.04E-09
Allergic asthma	ICAM1	rs146187364	C	T	-0.539	0.044	0.011	1.50E-34	0.244	0.181	0.178	0.004	150.278	TRUE	2.97E-28
Allergic asthma	ICAM1	rs146576912	T	C	0.158	0.021	0.050	8.54E-14	0.013	0.027	0.641	0.002	55.673	TRUE	8.22E-12
Allergic asthma	ICAM1	rs147279753	A	G	-0.544	0.038	0.016	3.88E-47	0.014	0.056	0.805	0.006	207.919	TRUE	4.26E-41
Allergic asthma	ICAM1	rs147566958	T	C	-0.151	0.023	0.044	1.92E-11	0.005	0.037	0.900	0.001	45.052	TRUE	4.09E-10
Allergic asthma	ICAM1	rs147698368	C	T	-0.186	0.019	0.068	4.30E-23	-0.015	0.037	0.694	0.003	97.939	TRUE	6.16E-20
Allergic asthma	ICAM1	rs147831595	T	C	-0.334	0.030	0.024	2.46E-28	0.006	0.075	0.940	0.003	121.867	TRUE	5.60E-25
Allergic asthma	ICAM1	rs147998393	G	A	-0.234	0.032	0.023	3.96E-13	-0.053	0.060	0.379	0.001	52.660	TRUE	8.06E-11
Allergic asthma	ICAM1	rs148251570	G	T	0.511	0.026	0.035	1.80E-88	0.041	0.040	0.306	0.011	397.614	TRUE	6.50E-75
Allergic asthma	ICAM1	rs148688267	A	G	-0.572	0.053	0.008	1.18E-27	0.013	0.049	0.799	0.003	118.762	TRUE	4.17E-24
Allergic asthma	ICAM1	rs149246641	T	C	0.580	0.050	0.009	3.01E-31	-0.006	0.112	0.957	0.004	135.174	TRUE	1.45E-27
Allergic asthma	ICAM1	rs149401337	C	T	0.260	0.018	0.074	3.36E-47	-0.002	0.026	0.951	0.006	208.210	TRUE	1.58E-41
Allergic asthma	ICAM1	rs149964721	A	G	0.252	0.040	0.013	4.10E-10	-0.070	0.107	0.510	0.001	39.064	TRUE	1.77E-08
Allergic asthma	ICAM1	rs150215085	G	A	0.579	0.052	0.008	1.82E-28	-0.084	0.046	0.065	0.003	122.462	TRUE	2.17E-22
Allergic asthma	ICAM1	rs150380236	T	C	-0.446	0.042	0.012	8.66E-26	0.060	0.054	0.264	0.003	110.239	TRUE	3.22E-21
Allergic asthma	ICAM1	rs150872995	A	G	0.453	0.037	0.016	4.84E-35	-0.145	0.079	0.066	0.004	152.525	TRUE	7.54E-28
Allergic asthma	ICAM1	rs1529711	T	C	-0.216	0.012	0.199	2.93E-77	-0.028	0.017	0.092	0.010	346.128	TRUE	1.30E-63
Allergic asthma	ICAM1	rs17249001	A	G	-0.162	0.017	0.080	8.80E-21	0.012	0.033	0.728	0.002	87.410	TRUE	5.39E-18
Allergic asthma	ICAM1	rs17852402	A	G	-0.675	0.008	0.119	1.00E-200	0.018	0.022	0.410	0.159	6711.174	TRUE	1.00E-200
Allergic asthma	ICAM1	rs1799969	A	G	-0.764	0.008	0.135	1.00E-200	0.027	0.017	0.108	0.216	9821.122	TRUE	1.00E-200
Allergic asthma	ICAM1	rs188752134	C	A	0.661	0.034	0.019	1.57E-85	0.101	0.144	0.483	0.011	384.106	TRUE	2.86E-73
Allergic asthma	ICAM1	rs188904931	A	G	-0.561	0.037	0.016	3.49E-51	0.020	0.044	0.650	0.006	226.467	TRUE	3.50E-44
Allergic asthma	ICAM1	rs190368496	A	G	-0.248	0.033	0.021	5.16E-14	0.024	0.046	0.602	0.002	56.663	TRUE	6.10E-12
Allergic asthma	ICAM1	rs191720158	T	C	0.417	0.050	0.009	1.10E-16	0.148	0.091	0.103	0.002	68.787	TRUE	5.53E-13
Allergic asthma	ICAM1	rs191920595	A	G	0.192	0.026	0.032	1.94E-13	-0.018	0.068	0.793	0.002	54.059	TRUE	1.02E-11
Allergic asthma	ICAM1	rs191965866	A	C	-0.433	0.049	0.010	4.42E-19	-0.025	0.061	0.678	0.002	79.666	TRUE	1.96E-16
Allergic asthma	ICAM1	rs192542025	A	G	0.241	0.040	0.014	1.45E-09	0.073	0.060	0.225	0.001	36.600	TRUE	1.50E-07
Allergic asthma	ICAM1	rs193225208	C	T	0.411	0.040	0.014	5.23E-25	-0.051	0.084	0.546	0.003	106.674	TRUE	2.72E-21

Allergic asthma	ICAM1	rs1962352	G	A	-0.101	0.009	0.452	7.19E-27	-0.046	0.013	7.30E-04	0.003	115.172	TRUE	6.17E-19
Allergic asthma	ICAM1	rs1985604	A	G	-0.128	0.014	0.119	1.20E-18	-0.011	0.023	0.638	0.002	77.702	TRUE	5.42E-16
Allergic asthma	ICAM1	rs2042278	C	T	0.167	0.015	0.882	1.92E-30	-0.033	0.018	0.068	0.004	131.500	TRUE	4.69E-24
Allergic asthma	ICAM1	rs2059085	C	T	0.174	0.024	0.039	4.63E-13	0.004	0.038	0.906	0.001	52.354	TRUE	1.54E-11
Allergic asthma	ICAM1	rs2278442	A	G	-0.431	0.006	0.694	1.00E-200	0.010	0.014	0.474	0.134	5494.408	TRUE	1.00E-200
Allergic asthma	ICAM1	rs2291473	C	T	-0.079	0.013	0.142	5.54E-09	0.019	0.018	0.272	0.001	33.989	TRUE	3.65E-07
Allergic asthma	ICAM1	rs2304237	C	T	-0.311	0.011	0.220	3.51E-169	0.017	0.017	0.304	0.021	768.621	TRUE	4.93E-144
Allergic asthma	ICAM1	rs2358581	G	T	-0.641	0.006	0.731	1.00E-200	0.019	0.015	0.205	0.251	11928.227	TRUE	1.00E-200
Allergic asthma	ICAM1	rs2421198	T	C	0.233	0.010	0.296	1.12E-115	0.004	0.015	0.799	0.014	522.632	TRUE	1.09E-100
Allergic asthma	ICAM1	rs2569507	A	G	-0.116	0.009	0.576	5.92E-35	-0.010	0.014	0.484	0.004	152.127	TRUE	1.08E-29
Allergic asthma	ICAM1	rs28379440	G	C	0.073	0.011	0.250	2.10E-11	-0.019	0.016	0.241	0.001	44.877	TRUE	4.22E-09
Allergic asthma	ICAM1	rs3093033	A	G	0.523	0.034	0.018	2.59E-52	0.038	0.047	0.421	0.006	231.647	TRUE	2.04E-44
Allergic asthma	ICAM1	rs34249920	T	C	-0.137	0.013	0.167	1.06E-27	0.035	0.017	0.033	0.003	118.967	TRUE	2.40E-21
Allergic asthma	ICAM1	rs34448858	A	G	-0.475	0.028	0.028	2.58E-65	-0.080	0.043	0.062	0.008	291.291	TRUE	4.16E-53
Allergic asthma	ICAM1	rs34495400	T	C	0.500	0.046	0.011	2.64E-27	-0.073	0.078	0.350	0.003	117.162	TRUE	8.99E-23
Allergic asthma	ICAM1	rs34497180	C	T	-0.349	0.023	0.043	1.11E-52	0.103	0.060	0.085	0.007	233.331	TRUE	8.38E-43
Allergic asthma	ICAM1	rs35193916	T	A	0.371	0.026	0.032	5.92E-46	-0.043	0.047	0.360	0.006	202.496	TRUE	9.82E-39
Allergic asthma	ICAM1	rs35616216	A	G	-0.259	0.017	0.086	4.89E-54	-0.065	0.031	0.034	0.007	239.554	TRUE	4.16E-43
Allergic asthma	ICAM1	rs36096247	T	G	0.390	0.032	0.022	1.44E-34	0.098	0.069	0.156	0.004	150.364	TRUE	3.78E-28
Allergic asthma	ICAM1	rs3826786	C	T	-0.331	0.012	0.165	1.47E-154	-0.006	0.022	0.773	0.019	701.375	TRUE	2.95E-134
Allergic asthma	ICAM1	rs41276880	A	G	-0.704	0.033	0.020	5.65E-98	0.155	0.113	0.171	0.012	441.271	TRUE	4.72E-82
Allergic asthma	ICAM1	rs41306974	A	G	-0.137	0.025	0.036	4.54E-08	0.046	0.075	0.539	0.001	29.903	TRUE	8.88E-07
Allergic asthma	ICAM1	rs4416137	T	C	-0.338	0.036	0.017	1.12E-20	0.014	0.066	0.833	0.002	86.938	TRUE	4.38E-18
Allergic asthma	ICAM1	rs4804510	A	G	-0.188	0.010	0.316	1.31E-79	-0.013	0.014	0.355	0.010	356.907	TRUE	1.42E-67
Allergic asthma	ICAM1	rs56357614	T	G	0.480	0.045	0.011	1.18E-26	-0.143	0.125	0.251	0.003	114.194	TRUE	6.64E-22
Allergic asthma	ICAM1	rs57045073	G	A	-0.081	0.013	0.150	6.14E-10	0.025	0.018	0.170	0.001	38.274	TRUE	1.00E-07
Allergic asthma	ICAM1	rs62105682	T	G	-0.103	0.014	0.129	1.50E-13	0.002	0.025	0.947	0.002	54.569	TRUE	5.07E-12
Allergic asthma	ICAM1	rs62128752	C	A	-0.141	0.011	0.232	3.68E-38	0.008	0.018	0.677	0.005	166.799	TRUE	5.78E-33
Allergic asthma	ICAM1	rs62129135	C	G	0.173	0.018	0.074	2.88E-22	-0.021	0.038	0.583	0.003	94.178	TRUE	5.19E-19
Allergic asthma	ICAM1	rs62130660	G	T	0.639	0.005	0.379	1.00E-200	-0.014	0.014	0.312	0.286	14264.933	TRUE	1.00E-200
Allergic asthma	ICAM1	rs6511432	T	C	-0.259	0.020	0.942	8.17E-38	0.001	0.023	0.981	0.005	165.216	TRUE	2.24E-33
Allergic asthma	ICAM1	rs6511611	T	C	0.277	0.011	0.220	4.27E-136	-0.003	0.015	0.827	0.017	616.488	TRUE	1.61E-118
Allergic asthma	ICAM1	rs66619076	T	G	0.082	0.011	0.222	3.91E-13	0.025	0.018	0.178	0.001	52.683	TRUE	2.31E-10
Allergic asthma	ICAM1	rs7251453	A	G	-0.091	0.010	0.350	1.69E-20	0.006	0.015	0.700	0.002	86.118	TRUE	1.06E-17
Allergic asthma	ICAM1	rs73007104	A	C	0.164	0.017	0.078	2.49E-21	-0.018	0.024	0.451	0.003	89.906	TRUE	6.22E-18
Allergic asthma	ICAM1	rs73007136	C	T	0.178	0.028	0.028	3.74E-10	0.025	0.036	0.498	0.001	39.240	TRUE	1.71E-08
Allergic asthma	ICAM1	rs73007599	T	C	0.185	0.014	0.137	1.72E-42	0.001	0.020	0.974	0.005	186.635	TRUE	1.84E-37
Allergic asthma	ICAM1	rs73008130	G	A	-0.413	0.042	0.012	2.73E-22	-0.037	0.043	0.392	0.003	94.278	TRUE	1.29E-18
Allergic asthma	ICAM1	rs73011214	A	G	0.096	0.015	0.108	1.75E-10	0.002	0.019	0.911	0.001	40.723	TRUE	2.76E-09
Allergic asthma	ICAM1	rs73015195	A	G	-0.438	0.042	0.013	1.03E-25	-0.150	0.117	0.201	0.003	109.901	TRUE	6.35E-21
Allergic asthma	ICAM1	rs73018077	T	C	0.055	0.009	0.464	5.51E-09	0.013	0.014	0.339	0.001	33.999	TRUE	2.79E-07
Allergic asthma	ICAM1	rs73019211	A	G	-0.394	0.064	0.005	7.43E-10	-0.047	0.128	0.713	0.001	37.902	TRUE	1.64E-08

Allergic asthma	ICAM1	rs73508826	A	G	-0.104	0.014	0.136	3.09E-14	-0.001	0.020	0.950	0.002	57.671	TRUE	1.25E-12
Allergic asthma	ICAM1	rs74675346	A	C	0.399	0.021	0.055	2.96E-82	-0.015	0.032	0.643	0.010	369.069	TRUE	4.35E-71
Allergic asthma	ICAM1	rs75052170	T	C	-0.242	0.018	0.070	8.37E-40	-0.077	0.036	0.034	0.005	174.325	TRUE	2.68E-31
Allergic asthma	ICAM1	rs75849345	T	C	0.279	0.042	0.013	1.89E-11	-0.039	0.141	0.781	0.001	45.082	TRUE	5.65E-10
Allergic asthma	ICAM1	rs76288880	G	A	-0.125	0.015	0.107	1.16E-16	0.025	0.023	0.267	0.002	68.676	TRUE	1.52E-13
Allergic asthma	ICAM1	rs76617690	T	C	0.466	0.029	0.027	1.06E-57	-0.040	0.050	0.420	0.007	256.365	TRUE	4.78E-49
Allergic asthma	ICAM1	rs76769505	T	C	0.396	0.041	0.013	9.43E-22	-0.156	0.140	0.264	0.003	91.829	TRUE	8.18E-18
Allergic asthma	ICAM1	rs77259842	T	C	0.085	0.014	0.138	7.19E-10	-0.009	0.019	0.646	0.001	37.968	TRUE	1.92E-08
Allergic asthma	ICAM1	rs77640628	A	C	-0.246	0.042	0.013	7.17E-09	0.021	0.046	0.648	0.001	33.487	TRUE	1.37E-07
Allergic asthma	ICAM1	rs77719434	T	C	0.193	0.027	0.032	5.59E-13	0.035	0.041	0.399	0.001	51.984	TRUE	9.90E-11
Allergic asthma	ICAM1	rs77877763	A	G	-0.284	0.035	0.018	2.28E-16	0.022	0.037	0.546	0.002	67.344	TRUE	7.14E-14
Allergic asthma	ICAM1	rs78374606	A	G	0.337	0.032	0.021	1.65E-25	-0.018	0.099	0.859	0.003	108.956	TRUE	2.39E-22
Allergic asthma	ICAM1	rs78598082	T	C	-0.400	0.031	0.023	2.09E-37	0.076	0.123	0.536	0.005	163.349	TRUE	5.99E-32
Allergic asthma	ICAM1	rs78688793	A	G	0.552	0.029	0.027	1.42E-82	0.003	0.075	0.965	0.010	370.524	TRUE	1.69E-72
Allergic asthma	ICAM1	rs79123312	A	G	0.144	0.015	0.106	3.59E-21	-0.014	0.016	0.382	0.003	89.185	TRUE	1.23E-17
Allergic asthma	ICAM1	rs79625961	T	G	0.208	0.015	0.109	6.60E-44	0.038	0.023	0.106	0.005	193.117	TRUE	1.20E-35
Allergic asthma	ICAM1	rs80066865	G	C	0.452	0.020	0.055	9.66E-108	0.022	0.023	0.343	0.013	486.153	TRUE	1.16E-91
Allergic asthma	ICAM1	rs8107511	A	G	0.375	0.044	0.012	1.60E-17	-0.266	0.180	0.138	0.002	72.578	TRUE	7.78E-14
Allergic asthma	ICAM1	rs8107814	T	C	-0.247	0.017	0.086	1.82E-50	0.016	0.025	0.510	0.006	223.180	TRUE	3.93E-43
Allergic asthma	ICAM1	rs885765	G	A	0.213	0.019	0.062	2.28E-28	0.024	0.024	0.323	0.003	122.019	TRUE	1.35E-23
Allergic asthma	ICAM1	rs892042	C	T	-0.285	0.017	0.078	4.78E-60	-0.021	0.032	0.513	0.007	267.119	TRUE	2.08E-51
Allergic asthma	IGF2R	rs10455781	C	T	-0.197	0.021	0.045	2.91E-21	0.021	0.039	0.590	0.003	89.597	TRUE	3.71E-18
Allergic asthma	IGF2R	rs1086573	T	A	-0.053	0.009	0.351	4.43E-09	-0.023	0.015	0.121	0.001	34.424	TRUE	6.91E-07
Allergic asthma	IGF2R	rs117143470	G	C	-0.306	0.023	0.037	1.04E-41	-0.026	0.085	0.760	0.005	183.046	TRUE	2.98E-36
Allergic asthma	IGF2R	rs117408898	T	C	0.191	0.031	0.019	8.54E-10	-0.032	0.039	0.414	0.001	37.630	TRUE	4.51E-08
Allergic asthma	IGF2R	rs117534432	T	C	0.248	0.024	0.035	6.34E-26	-0.046	0.046	0.318	0.003	110.858	TRUE	1.67E-21
Allergic asthma	IGF2R	rs117682696	T	C	-0.153	0.021	0.043	3.79E-13	0.069	0.032	0.032	0.001	52.748	TRUE	1.30E-09
Allergic asthma	IGF2R	rs118047103	T	G	0.299	0.048	0.008	4.27E-10	-0.058	0.153	0.706	0.001	38.981	TRUE	1.04E-08
Allergic asthma	IGF2R	rs12209752	A	G	-0.131	0.015	0.092	4.68E-19	-0.022	0.033	0.510	0.002	79.553	TRUE	4.16E-16
Allergic asthma	IGF2R	rs12529361	C	T	-0.057	0.010	0.221	2.31E-08	-0.018	0.018	0.310	0.001	31.216	TRUE	1.02E-06
Allergic asthma	IGF2R	rs138491411	G	A	0.338	0.059	0.005	9.42E-09	0.004	0.078	0.962	0.001	32.955	TRUE	8.00E-08
Allergic asthma	IGF2R	rs138799654	A	G	-0.182	0.025	0.031	5.53E-13	-0.026	0.030	0.390	0.001	52.006	TRUE	1.02E-10
Allergic asthma	IGF2R	rs139463571	T	C	-0.244	0.043	0.010	1.23E-08	0.001	0.152	0.996	0.001	32.434	TRUE	9.33E-08
Allergic asthma	IGF2R	rs139839957	C	T	-0.382	0.032	0.020	4.74E-33	0.097	0.105	0.356	0.004	143.419	TRUE	1.10E-27
Allergic asthma	IGF2R	rs139947401	T	C	-0.317	0.038	0.014	1.14E-16	0.066	0.098	0.500	0.002	68.711	TRUE	4.76E-14
Allergic asthma	IGF2R	rs140553995	A	G	0.345	0.054	0.006	2.41E-10	-0.033	0.045	0.466	0.001	40.098	TRUE	1.31E-08
Allergic asthma	IGF2R	rs144254678	A	C	0.488	0.030	0.021	1.65E-60	0.024	0.057	0.680	0.008	269.245	TRUE	2.30E-52
Allergic asthma	IGF2R	rs146349001	G	C	0.215	0.026	0.029	4.90E-17	-0.006	0.037	0.881	0.002	70.374	TRUE	5.56E-15
Allergic asthma	IGF2R	rs147853495	C	T	0.166	0.027	0.027	5.76E-10	-0.096	0.062	0.120	0.001	38.398	TRUE	1.35E-07
Allergic asthma	IGF2R	rs148170430	C	T	-0.191	0.023	0.036	7.58E-17	-0.011	0.055	0.835	0.002	69.511	TRUE	9.54E-15
Allergic asthma	IGF2R	rs148234538	A	G	0.265	0.037	0.014	5.71E-13	0.055	0.090	0.543	0.001	51.940	TRUE	5.86E-11
Allergic asthma	IGF2R	rs150856119	A	G	0.359	0.032	0.018	5.70E-30	0.017	0.043	0.697	0.004	129.338	TRUE	6.61E-26

Allergic asthma	IGF2R	rs1652508	A	G	-0.062	0.010	0.235	1.21E-09	-0.012	0.016	0.448	0.001	36.957	TRUE	5.40E-08
Allergic asthma	IGF2R	rs17777713	T	C	0.415	0.035	0.016	1.65E-32	0.097	0.083	0.245	0.004	140.938	TRUE	7.82E-27
Allergic asthma	IGF2R	rs1800665	T	C	0.274	0.041	0.011	3.69E-11	0.006	0.050	0.909	0.001	43.769	TRUE	7.08E-10
Allergic asthma	IGF2R	rs183605536	T	G	0.228	0.030	0.020	2.48E-14	0.031	0.084	0.715	0.002	58.110	TRUE	2.20E-12
Allergic asthma	IGF2R	rs187414148	T	G	0.614	0.039	0.012	2.91E-55	0.133	0.102	0.193	0.007	245.173	TRUE	7.11E-46
Allergic asthma	IGF2R	rs2066106	C	T	-0.096	0.009	0.464	9.14E-29	-0.009	0.013	0.490	0.003	123.832	TRUE	2.16E-24
Allergic asthma	IGF2R	rs2758318	G	C	0.100	0.010	0.781	6.18E-22	0.049	0.018	0.007	0.003	92.664	TRUE	6.18E-16
Allergic asthma	IGF2R	rs2842994	A	G	0.067	0.012	0.145	3.55E-08	0.006	0.022	0.784	0.001	30.379	TRUE	3.90E-07
Allergic asthma	IGF2R	rs316034	G	T	-0.102	0.011	0.822	1.25E-19	-0.018	0.020	0.370	0.002	82.164	TRUE	2.67E-16
Allergic asthma	IGF2R	rs35956182	A	G	0.676	0.059	0.005	1.04E-30	0.090	0.047	0.057	0.004	132.722	TRUE	3.70E-24
Allergic asthma	IGF2R	rs36107168	T	G	-0.200	0.033	0.016	1.78E-09	-0.023	0.041	0.580	0.001	36.202	TRUE	5.03E-08
Allergic asthma	IGF2R	rs372440	A	G	-0.057	0.009	0.418	5.57E-11	0.003	0.014	0.816	0.001	42.962	TRUE	1.31E-09
Allergic asthma	IGF2R	rs374071816	A	T	-0.119	0.017	0.074	6.33E-13	-0.049	0.028	0.081	0.001	51.739	TRUE	8.28E-10
Allergic asthma	IGF2R	rs3777411	T	C	0.508	0.010	0.122	1.00E-200	0.038	0.020	0.061	0.068	2580.495	TRUE	1.00E-200
Allergic asthma	IGF2R	rs3798156	T	C	-0.094	0.013	0.119	9.86E-13	-0.018	0.022	0.420	0.001	50.868	TRUE	1.47E-10
Allergic asthma	IGF2R	rs3798186	A	G	0.122	0.009	0.661	6.33E-42	-0.020	0.014	0.147	0.005	184.039	TRUE	2.74E-34
Allergic asthma	IGF2R	rs3798201	T	C	-0.151	0.013	0.122	1.48E-30	0.020	0.015	0.193	0.004	132.020	TRUE	5.80E-25
Allergic asthma	IGF2R	rs389113	G	A	-0.084	0.012	0.157	1.47E-12	0.020	0.018	0.256	0.001	50.091	TRUE	4.31E-10
Allergic asthma	IGF2R	rs41267789	G	T	0.127	0.015	0.089	2.68E-17	-0.020	0.023	0.380	0.002	71.560	TRUE	2.40E-14
Allergic asthma	IGF2R	rs41272114	T	C	-0.207	0.018	0.059	9.78E-30	0.019	0.032	0.542	0.004	128.266	TRUE	2.36E-25
Allergic asthma	IGF2R	rs4551194	A	G	-0.205	0.018	0.062	3.83E-30	-0.056	0.032	0.084	0.004	130.126	TRUE	5.91E-24
Allergic asthma	IGF2R	rs4708895	C	T	-0.074	0.009	0.616	6.43E-17	-0.021	0.014	0.125	0.002	69.838	TRUE	2.79E-13
Allergic asthma	IGF2R	rs4709313	A	G	0.070	0.012	0.157	3.30E-09	0.009	0.018	0.622	0.001	34.995	TRUE	7.59E-08
Allergic asthma	IGF2R	rs505000	T	C	-0.063	0.010	0.232	6.06E-10	-0.014	0.015	0.368	0.001	38.300	TRUE	3.98E-08
Allergic asthma	IGF2R	rs55984004	T	C	0.323	0.022	0.039	1.01E-49	0.060	0.042	0.150	0.006	219.767	TRUE	6.81E-41
Allergic asthma	IGF2R	rs56412390	G	A	-0.179	0.029	0.022	5.68E-10	-0.024	0.082	0.771	0.001	38.428	TRUE	1.11E-08
Allergic asthma	IGF2R	rs566541842	T	G	0.151	0.024	0.032	4.32E-10	0.015	0.029	0.614	0.001	38.961	TRUE	1.36E-08
Allergic asthma	IGF2R	rs57494961	C	G	-0.267	0.028	0.025	3.16E-22	0.194	0.095	0.041	0.003	93.993	TRUE	5.29E-17
Allergic asthma	IGF2R	rs58930620	A	C	-0.215	0.037	0.014	8.82E-09	-0.267	0.123	0.030	0.001	33.083	TRUE	3.45E-06
Allergic asthma	IGF2R	rs629849	G	A	0.346	0.012	0.840	6.34E-195	0.057	0.023	0.013	0.024	887.022	TRUE	4.65E-160
Allergic asthma	IGF2R	rs674249	G	T	0.054	0.010	0.272	2.78E-08	-0.005	0.015	0.749	0.001	30.854	TRUE	3.43E-07
Allergic asthma	IGF2R	rs6919346	C	T	-0.073	0.012	0.838	3.15E-10	-0.031	0.019	0.101	0.001	39.576	TRUE	9.81E-08
Allergic asthma	IGF2R	rs73020721	A	T	-0.180	0.019	0.056	2.60E-22	-0.037	0.045	0.414	0.003	94.377	TRUE	1.10E-18
Allergic asthma	IGF2R	rs73023847	G	A	-0.111	0.017	0.071	4.15E-11	-0.005	0.021	0.797	0.001	43.541	TRUE	1.07E-09
Allergic asthma	IGF2R	rs73024076	T	C	0.138	0.022	0.042	1.86E-10	0.017	0.025	0.483	0.001	40.602	TRUE	9.93E-09
Allergic asthma	IGF2R	rs73803925	A	G	0.141	0.026	0.029	4.18E-08	0.045	0.034	0.182	0.001	30.063	TRUE	2.88E-06
Allergic asthma	IGF2R	rs74776859	A	G	0.152	0.023	0.037	1.61E-11	0.041	0.026	0.110	0.001	45.397	TRUE	8.20E-09
Allergic asthma	IGF2R	rs76686939	C	A	0.331	0.017	0.066	6.43E-83	0.003	0.024	0.887	0.010	372.109	TRUE	1.56E-72
Allergic asthma	IGF2R	rs7760337	G	C	0.133	0.020	0.046	7.18E-11	0.019	0.042	0.655	0.001	42.468	TRUE	2.58E-09
Allergic asthma	IGF2R	rs77898327	T	C	-0.090	0.013	0.126	4.48E-12	-0.001	0.017	0.974	0.001	47.902	TRUE	9.23E-11
Allergic asthma	IGF2R	rs783187	G	A	-0.316	0.034	0.984	2.00E-20	-0.040	0.067	0.551	0.002	85.785	TRUE	2.31E-17
Allergic asthma	IGF2R	rs791185	C	G	0.103	0.014	0.890	4.28E-14	0.001	0.022	0.958	0.002	57.031	TRUE	1.63E-12

Allergic asthma	IGF2R	rs8191944	T	C	0.474	0.053	0.006	3.63E-19	-0.099	0.114	0.381	0.002	80.057	TRUE	6.20E-16
Allergic asthma	IGF2R	rs9347386	G	A	0.256	0.009	0.331	1.09E-175	0.005	0.014	0.736	0.022	798.551	TRUE	2.50E-152
Allergic asthma	IGF2R	rs9364579	A	G	-0.069	0.012	0.138	3.09E-08	-0.039	0.022	0.075	0.001	30.647	TRUE	4.79E-06
Allergic asthma	IGF2R	rs9365173	T	C	0.106	0.010	0.218	2.59E-24	0.006	0.016	0.702	0.003	103.504	TRUE	5.20E-21
Allergic asthma	IGF2R	rs9456454	A	G	-0.145	0.014	0.112	4.77E-26	-0.026	0.023	0.259	0.003	111.423	TRUE	2.02E-21
Allergic asthma	IGF2R	rs9458011	T	C	0.092	0.016	0.080	1.13E-08	0.024	0.028	0.405	0.001	32.607	TRUE	4.06E-07
Allergic asthma	MANBA	rs10028984	C	T	0.301	0.017	0.058	2.73E-69	0.000	0.035	0.992	0.009	309.537	TRUE	5.60E-61
Allergic asthma	MANBA	rs1022347	A	C	0.180	0.017	0.942	7.88E-26	-0.036	0.030	0.232	0.003	110.425	TRUE	3.85E-21
Allergic asthma	MANBA	rs112730086	A	G	-0.238	0.034	0.014	1.87E-12	-0.007	0.050	0.893	0.001	49.618	TRUE	5.43E-11
Allergic asthma	MANBA	rs113147841	G	C	0.207	0.025	0.027	9.77E-17	-0.022	0.063	0.729	0.002	69.012	TRUE	1.73E-14
Allergic asthma	MANBA	rs114473485	C	T	0.120	0.021	0.039	8.91E-09	0.016	0.048	0.735	0.001	33.065	TRUE	1.33E-07
Allergic asthma	MANBA	rs114820272	G	C	-0.230	0.032	0.017	2.94E-13	0.050	0.106	0.638	0.001	53.245	TRUE	2.41E-11
Allergic asthma	MANBA	rs114904800	G	A	0.182	0.028	0.020	1.64E-10	-0.071	0.061	0.244	0.001	40.849	TRUE	2.27E-08
Allergic asthma	MANBA	rs116668132	C	A	-0.163	0.016	0.067	2.76E-25	0.056	0.018	0.002	0.003	107.940	TRUE	3.90E-18
Allergic asthma	MANBA	rs116699774	T	C	-0.168	0.026	0.024	6.61E-11	-0.026	0.053	0.627	0.001	42.628	TRUE	2.62E-09
Allergic asthma	MANBA	rs11734573	A	G	0.057	0.009	0.237	9.20E-10	-0.003	0.015	0.816	0.001	37.485	TRUE	1.51E-08
Allergic asthma	MANBA	rs11944004	A	G	0.159	0.016	0.063	6.24E-22	0.022	0.024	0.370	0.003	92.644	TRUE	2.96E-18
Allergic asthma	MANBA	rs12513074	A	T	-0.202	0.010	0.174	1.64E-83	-0.006	0.023	0.785	0.010	374.833	TRUE	1.08E-72
Allergic asthma	MANBA	rs13133568	C	T	-0.174	0.019	0.047	5.67E-20	0.041	0.031	0.192	0.002	83.726	TRUE	4.42E-16
Allergic asthma	MANBA	rs13148620	T	C	-0.113	0.020	0.042	1.16E-08	-0.006	0.032	0.846	0.001	32.551	TRUE	1.27E-07
Allergic asthma	MANBA	rs138432481	A	G	-0.279	0.039	0.011	1.26E-12	0.146	0.114	0.199	0.001	50.382	TRUE	5.29E-10
Allergic asthma	MANBA	rs138495812	A	T	-0.176	0.019	0.046	9.54E-21	-0.075	0.062	0.224	0.002	87.250	TRUE	7.69E-17
Allergic asthma	MANBA	rs139969535	G	A	-0.136	0.025	0.026	3.11E-08	0.009	0.025	0.702	0.001	30.635	TRUE	4.24E-07
Allergic asthma	MANBA	rs139979022	A	C	0.225	0.024	0.028	4.78E-21	-0.151	0.070	0.031	0.002	88.615	TRUE	6.58E-16
Allergic asthma	MANBA	rs140575453	C	T	0.264	0.027	0.021	1.68E-22	0.009	0.039	0.817	0.003	95.243	TRUE	1.20E-19
Allergic asthma	MANBA	rs142948950	C	T	0.315	0.054	0.005	5.57E-09	-0.017	0.035	0.623	0.001	33.978	TRUE	1.18E-07
Allergic asthma	MANBA	rs142957330	C	T	0.212	0.028	0.020	1.75E-14	-0.043	0.039	0.271	0.002	58.794	TRUE	9.90E-12
Allergic asthma	MANBA	rs143158716	C	T	-0.149	0.026	0.022	1.19E-08	-0.111	0.076	0.142	0.001	32.505	TRUE	1.31E-06
Allergic asthma	MANBA	rs144101584	C	A	0.159	0.022	0.032	5.09E-13	0.012	0.035	0.721	0.001	52.165	TRUE	2.96E-11
Allergic asthma	MANBA	rs145978533	A	G	0.292	0.022	0.034	1.40E-41	-0.086	0.074	0.245	0.005	182.456	TRUE	1.57E-34
Allergic asthma	MANBA	rs147313775	C	T	-0.114	0.020	0.042	6.52E-09	-0.007	0.041	0.857	0.001	33.670	TRUE	7.48E-08
Allergic asthma	MANBA	rs149356990	T	C	0.225	0.028	0.021	1.04E-15	-0.071	0.066	0.282	0.002	64.359	TRUE	8.71E-13
Allergic asthma	MANBA	rs1599686	C	T	-0.098	0.008	0.670	5.04E-31	0.031	0.014	0.026	0.004	134.155	TRUE	6.37E-24
Allergic asthma	MANBA	rs170989	T	C	-0.060	0.009	0.739	5.16E-11	0.011	0.017	0.538	0.001	43.115	TRUE	2.79E-09
Allergic asthma	MANBA	rs17285920	C	T	-0.132	0.018	0.053	1.52E-13	0.003	0.032	0.925	0.002	54.546	TRUE	5.47E-12
Allergic asthma	MANBA	rs180841024	G	A	-0.249	0.016	0.063	1.80E-52	-0.025	0.025	0.321	0.006	232.370	TRUE	3.74E-44
Allergic asthma	MANBA	rs223366	G	A	0.231	0.008	0.598	1.06E-182	-0.005	0.015	0.733	0.023	830.796	TRUE	2.34E-158
Allergic asthma	MANBA	rs227275	C	A	-0.295	0.006	0.510	1.00E-200	0.017	0.014	0.205	0.057	2138.182	TRUE	1.00E-200
Allergic asthma	MANBA	rs2631268	T	G	-0.069	0.009	0.320	5.47E-16	0.008	0.016	0.632	0.002	65.615	TRUE	1.09E-13
Allergic asthma	MANBA	rs3113677	C	T	-0.164	0.023	0.969	8.70E-13	0.023	0.023	0.304	0.001	51.115	TRUE	2.19E-10
Allergic asthma	MANBA	rs34316881	T	C	-0.092	0.016	0.062	2.09E-08	0.043	0.035	0.216	0.001	31.408	TRUE	1.39E-06
Allergic asthma	MANBA	rs3774965	C	A	0.113	0.020	0.043	8.40E-09	-0.071	0.038	0.060	0.001	33.178	TRUE	2.05E-06

Allergic asthma	MANBA	rs41275743	A	G	0.322	0.040	0.009	4.69E-16	0.011	0.064	0.867	0.002	65.918	TRUE	4.20E-14
Allergic asthma	MANBA	rs4648022	T	C	0.340	0.014	0.087	2.47E-127	0.019	0.028	0.489	0.016	576.206	TRUE	2.51E-109
Allergic asthma	MANBA	rs537674758	A	G	0.365	0.019	0.047	2.45E-83	0.001	0.039	0.985	0.010	374.036	TRUE	3.09E-73
Allergic asthma	MANBA	rs573711653	G	A	-0.150	0.027	0.022	1.96E-08	-0.012	0.062	0.850	0.001	31.528	TRUE	1.99E-07
Allergic asthma	MANBA	rs57957741	A	G	-0.049	0.008	0.592	1.55E-09	0.008	0.014	0.533	0.001	36.472	TRUE	5.12E-08
Allergic asthma	MANBA	rs58365868	C	T	0.299	0.037	0.012	3.58E-16	0.100	0.051	0.051	0.002	66.453	TRUE	3.25E-12
Allergic asthma	MANBA	rs62329496	T	C	-0.053	0.009	0.293	1.03E-09	-0.017	0.016	0.288	0.001	37.265	TRUE	8.52E-08
Allergic asthma	MANBA	rs6832621	C	T	-0.116	0.019	0.045	1.42E-09	0.024	0.022	0.271	0.001	36.638	TRUE	1.19E-07
Allergic asthma	MANBA	rs72665028	G	C	0.363	0.024	0.027	2.80E-51	-0.059	0.072	0.412	0.006	226.908	TRUE	1.70E-43
Allergic asthma	MANBA	rs72668702	G	A	0.103	0.018	0.054	7.20E-09	0.023	0.041	0.573	0.001	33.478	TRUE	1.69E-07
Allergic asthma	MANBA	rs72937532	G	A	0.091	0.012	0.134	9.62E-15	-0.002	0.022	0.934	0.002	59.969	TRUE	4.74E-13
Allergic asthma	MANBA	rs76440321	C	G	-0.343	0.035	0.012	2.26E-22	0.021	0.389	0.957	0.003	94.651	TRUE	8.83E-20
Allergic asthma	MANBA	rs76552764	A	G	-0.128	0.022	0.035	4.48E-09	-0.001	0.050	0.985	0.001	34.402	TRUE	3.93E-08
Allergic asthma	MANBA	rs7656627	G	A	-0.055	0.008	0.634	3.55E-11	0.004	0.014	0.794	0.001	43.843	TRUE	9.44E-10
Allergic asthma	MANBA	rs7678717	G	A	0.312	0.008	0.317	9.75E-303	-0.010	0.014	0.457	0.038	1401.455	TRUE	9.51E-263
Allergic asthma	MANBA	rs76884108	T	C	0.132	0.021	0.037	2.94E-10	-0.015	0.050	0.768	0.001	39.715	TRUE	6.35E-09
Allergic asthma	MANBA	rs7698702	T	C	0.048	0.008	0.574	2.54E-09	0.021	0.014	0.136	0.001	35.507	TRUE	3.95E-07
Allergic asthma	MANBA	rs77252379	G	A	0.179	0.025	0.027	4.00E-13	0.006	0.040	0.888	0.001	52.642	TRUE	1.43E-11
Allergic asthma	MANBA	rs77611518	G	A	-0.125	0.021	0.037	2.36E-09	-0.021	0.048	0.654	0.001	35.650	TRUE	5.21E-08
Allergic asthma	MANBA	rs77627911	T	C	0.233	0.023	0.030	5.83E-24	-0.011	0.049	0.818	0.003	101.898	TRUE	6.36E-21
Allergic asthma	MANBA	rs77663176	T	A	0.378	0.018	0.052	9.14E-103	-0.031	0.026	0.232	0.013	463.285	TRUE	1.20E-86
Allergic asthma	MANBA	rs78047097	C	T	0.268	0.030	0.018	3.13E-19	0.094	0.081	0.244	0.002	80.353	TRUE	1.24E-15
Allergic asthma	MANBA	rs80130349	G	T	-0.299	0.041	0.010	3.04E-13	-0.263	0.110	0.017	0.001	53.179	TRUE	1.85E-09
Allergic asthma	MANBA	rs80269225	C	G	0.239	0.032	0.016	7.37E-14	0.079	0.111	0.477	0.002	55.963	TRUE	1.31E-11
Allergic asthma	MAPK3	rs1064524	T	C	0.112	0.019	0.045	7.88E-09	-0.061	0.029	0.034	0.001	33.302	TRUE	2.89E-06
Allergic asthma	MAPK3	rs11150582	C	G	-0.106	0.010	0.181	2.33E-24	-0.005	0.020	0.782	0.003	103.715	TRUE	3.34E-21
Allergic asthma	MAPK3	rs11642632	A	G	-0.117	0.019	0.048	8.11E-10	0.089	0.045	0.048	0.001	37.731	TRUE	3.87E-07
Allergic asthma	MAPK3	rs142097700	A	G	0.147	0.023	0.034	1.32E-10	0.043	0.036	0.234	0.001	41.270	TRUE	2.00E-08
Allergic asthma	MAPK3	rs142915099	A	G	0.144	0.023	0.032	8.82E-10	0.032	0.036	0.383	0.001	37.567	TRUE	5.17E-08
Allergic asthma	MAPK3	rs149549354	G	A	0.114	0.020	0.043	6.74E-09	-0.053	0.042	0.203	0.001	33.605	TRUE	5.87E-07
Allergic asthma	MAPK3	rs190486351	T	C	0.139	0.016	0.065	3.81E-17	-0.050	0.030	0.103	0.002	70.867	TRUE	2.35E-13
Allergic asthma	MAPK3	rs34286592	T	C	-0.062	0.011	0.157	3.19E-08	-0.006	0.020	0.751	0.001	30.586	TRUE	3.85E-07
Allergic asthma	MAPK3	rs34679599	T	C	-0.112	0.014	0.099	2.08E-16	0.049	0.035	0.153	0.002	67.519	TRUE	5.62E-13
Allergic asthma	MAPK3	rs4500746	C	T	0.076	0.009	0.662	8.22E-19	-0.023	0.015	0.119	0.002	78.442	TRUE	8.27E-15
Allergic asthma	MAPK3	rs4788186	G	A	-0.114	0.008	0.631	2.65E-41	0.032	0.014	0.017	0.005	181.190	TRUE	4.44E-32
Allergic asthma	MAPK3	rs549993187	A	C	0.241	0.039	0.012	5.63E-10	-0.110	0.047	0.020	0.001	38.442	TRUE	5.46E-07
Allergic asthma	MAPK3	rs55732507	C	T	0.240	0.008	0.400	9.45E-188	-0.032	0.014	0.021	0.023	854.028	TRUE	9.34E-155
Allergic asthma	MAPK3	rs56329348	A	G	0.181	0.022	0.037	1.08E-16	0.028	0.044	0.525	0.002	68.816	TRUE	4.10E-14
Allergic asthma	MAPK3	rs62054903	G	A	0.136	0.024	0.028	2.56E-08	-0.064	0.056	0.253	0.001	31.011	TRUE	1.39E-06
Allergic asthma	MAPK3	rs6565174	C	A	0.162	0.012	0.869	3.82E-41	-0.044	0.023	0.052	0.005	180.462	TRUE	9.90E-33
Allergic asthma	MAPK3	rs76840156	T	C	0.128	0.023	0.032	3.72E-08	-0.008	0.044	0.854	0.001	30.288	TRUE	3.45E-07
Allergic asthma	MAPK3	rs80154727	A	G	-0.172	0.031	0.018	1.78E-08	0.044	0.124	0.721	0.001	31.718	TRUE	2.50E-07

Allergic asthma	MAPK3	rs9936065	T	C	0.146	0.022	0.037	1.79E-11	-0.019	0.028	0.488	0.001	45.181	TRUE	1.34E-09
Allergic asthma	MPO	rs10445323	G	A	0.060	0.009	0.268	3.18E-10	0.009	0.015	0.533	0.001	39.559	TRUE	1.33E-08
Allergic asthma	MPO	rs112605641	T	C	0.114	0.013	0.112	1.36E-17	-0.009	0.024	0.707	0.002	72.897	TRUE	3.41E-15
Allergic asthma	MPO	rs117405202	A	G	-0.415	0.042	0.010	1.42E-22	-0.467	0.215	0.030	0.003	95.578	TRUE	3.97E-17
Allergic asthma	MPO	rs117575178	A	T	0.278	0.044	0.010	4.37E-10	0.016	0.045	0.728	0.001	38.937	TRUE	9.98E-09
Allergic asthma	MPO	rs117836409	G	A	0.179	0.030	0.020	3.00E-09	-0.020	0.044	0.651	0.001	35.182	TRUE	6.47E-08
Allergic asthma	MPO	rs11869546	A	G	-0.173	0.016	0.075	2.71E-28	0.017	0.039	0.660	0.003	121.675	TRUE	2.25E-24
Allergic asthma	MPO	rs12051896	G	A	0.118	0.009	0.652	9.05E-42	-0.002	0.014	0.887	0.005	183.328	TRUE	1.28E-36
Allergic asthma	MPO	rs12150552	T	C	0.065	0.009	0.383	6.92E-14	0.013	0.014	0.360	0.002	56.088	TRUE	2.02E-11
Allergic asthma	MPO	rs12232532	C	A	-0.116	0.016	0.070	1.87E-12	-0.004	0.023	0.880	0.001	49.609	TRUE	5.67E-11
Allergic asthma	MPO	rs12449936	T	C	0.119	0.019	0.048	6.93E-10	0.020	0.024	0.420	0.001	38.038	TRUE	3.71E-08
Allergic asthma	MPO	rs12451466	A	G	0.230	0.012	0.136	1.43E-79	0.012	0.019	0.515	0.010	356.744	TRUE	2.89E-68
Allergic asthma	MPO	rs12945095	G	A	-0.123	0.009	0.280	3.51E-40	-0.009	0.017	0.594	0.005	176.053	TRUE	1.68E-34
Allergic asthma	MPO	rs12945949	C	A	-0.096	0.012	0.135	6.62E-15	0.036	0.022	0.104	0.002	60.705	TRUE	1.57E-11
Allergic asthma	MPO	rs12949434	G	A	0.064	0.010	0.199	1.12E-09	-0.011	0.017	0.517	0.001	37.098	TRUE	4.09E-08
Allergic asthma	MPO	rs140384738	A	G	-0.163	0.027	0.025	2.59E-09	-0.046	0.042	0.264	0.001	35.469	TRUE	2.02E-07
Allergic asthma	MPO	rs140972189	C	T	-0.195	0.026	0.027	9.27E-14	0.024	0.061	0.699	0.002	55.513	TRUE	7.27E-12
Allergic asthma	MPO	rs143454846	G	T	-0.773	0.034	0.016	2.27E-112	0.010	0.041	0.815	0.014	507.423	TRUE	6.98E-98
Allergic asthma	MPO	rs146512685	C	T	-0.301	0.036	0.014	5.99E-17	0.029	0.101	0.772	0.002	69.977	TRUE	9.72E-15
Allergic asthma	MPO	rs16942800	A	G	0.161	0.023	0.034	2.41E-12	-0.025	0.038	0.505	0.001	49.118	TRUE	2.29E-10
Allergic asthma	MPO	rs17174788	C	G	-0.109	0.016	0.077	5.09E-12	0.007	0.043	0.863	0.001	47.648	TRUE	1.43E-10
Allergic asthma	MPO	rs17835070	A	G	-0.223	0.028	0.023	6.67E-16	-0.010	0.034	0.772	0.002	65.226	TRUE	7.89E-14
Allergic asthma	MPO	rs181257	T	C	-0.089	0.010	0.800	1.39E-17	-0.007	0.018	0.711	0.002	72.859	TRUE	3.42E-15
Allergic asthma	MPO	rs2585830	G	T	0.128	0.011	0.822	4.41E-31	0.018	0.017	0.285	0.004	134.419	TRUE	8.93E-26
Allergic asthma	MPO	rs2586086	G	A	-0.086	0.014	0.905	1.34E-09	0.040	0.050	0.420	0.001	36.756	TRUE	6.46E-08
Allergic asthma	MPO	rs34097845	T	C	-0.518	0.018	0.057	2.53E-177	0.047	0.023	0.044	0.022	806.065	TRUE	3.89E-147
Allergic asthma	MPO	rs35892171	A	G	-0.695	0.029	0.021	1.28E-126	0.009	0.044	0.836	0.016	572.917	TRUE	2.44E-110
Allergic asthma	MPO	rs36056793	A	G	0.124	0.015	0.084	4.30E-17	0.005	0.024	0.839	0.002	70.630	TRUE	5.73E-15
Allergic asthma	MPO	rs4793923	T	A	-0.080	0.012	0.848	5.43E-12	-0.017	0.023	0.459	0.001	47.521	TRUE	5.39E-10
Allergic asthma	MPO	rs4793933	A	G	-0.120	0.009	0.690	4.54E-40	-0.002	0.015	0.870	0.005	175.540	TRUE	4.30E-35
Allergic asthma	MPO	rs56378716	G	A	-0.539	0.032	0.017	1.79E-65	0.038	0.038	0.311	0.008	292.014	TRUE	3.09E-55
Allergic asthma	MPO	rs59516185	G	A	-0.082	0.012	0.143	1.29E-11	-0.016	0.022	0.448	0.001	45.834	TRUE	1.16E-09
Allergic asthma	MPO	rs60011459	T	C	0.082	0.013	0.109	6.87E-10	-0.053	0.029	0.066	0.001	38.055	TRUE	2.66E-07
Allergic asthma	MPO	rs62058369	T	C	-0.084	0.013	0.113	1.57E-10	-0.004	0.027	0.884	0.001	40.944	TRUE	2.68E-09
Allergic asthma	MPO	rs62081796	C	T	0.149	0.018	0.055	6.15E-16	0.020	0.031	0.510	0.002	65.385	TRUE	1.93E-13
Allergic asthma	MPO	rs62636635	T	C	-0.371	0.020	0.045	3.72E-73	-0.016	0.030	0.590	0.009	327.285	TRUE	5.16E-63
Allergic asthma	MPO	rs6503837	G	A	0.077	0.008	0.513	2.98E-20	-0.031	0.014	0.021	0.002	84.996	TRUE	4.46E-15
Allergic asthma	MPO	rs68117086	C	T	-0.088	0.009	0.356	3.38E-24	0.008	0.014	0.549	0.003	102.977	TRUE	1.33E-20
Allergic asthma	MPO	rs7208693	A	C	-0.189	0.013	0.122	4.66E-50	0.012	0.021	0.578	0.006	221.310	TRUE	5.41E-43
Allergic asthma	MPO	rs74358156	A	G	-0.183	0.025	0.031	1.02E-13	-0.010	0.033	0.768	0.002	55.321	TRUE	6.34E-12
Allergic asthma	MPO	rs75329058	A	G	0.090	0.016	0.077	8.05E-09	0.038	0.042	0.363	0.001	33.261	TRUE	3.52E-07
Allergic asthma	MPO	rs77771777	T	C	-0.216	0.024	0.031	1.17E-19	-0.023	0.046	0.616	0.002	82.299	TRUE	7.97E-17

Allergic asthma	MPO	rs78140659	A	G	-0.069	0.011	0.181	2.52E-10	0.004	0.019	0.831	0.001	40.016	TRUE	4.68E-09
Allergic asthma	MPO	rs79301113	T	G	0.175	0.025	0.029	2.16E-12	0.096	0.038	0.012	0.001	49.330	TRUE	1.08E-08
Allergic asthma	MPO	rs8065435	A	G	0.082	0.009	0.346	7.43E-21	0.001	0.014	0.948	0.002	87.744	TRUE	1.96E-18
Allergic asthma	MPO	rs8078719	A	G	0.073	0.009	0.729	8.08E-15	0.003	0.017	0.854	0.002	60.312	TRUE	5.27E-13
Allergic asthma	MPO	rs888115	C	T	0.051	0.009	0.649	7.49E-09	0.026	0.014	0.060	0.001	33.402	TRUE	1.86E-06
Allergic asthma	MPO	rs917606	C	T	-0.156	0.009	0.286	1.67E-63	0.005	0.014	0.741	0.008	282.976	TRUE	3.73E-55
Allergic asthma	MPO	rs9303395	C	T	0.201	0.028	0.976	3.21E-13	0.080	0.072	0.267	0.001	53.070	TRUE	1.15E-10
Allergic asthma	MPO	rs9893648	A	G	-0.054	0.008	0.421	1.95E-10	0.016	0.014	0.226	0.001	40.517	TRUE	2.87E-08
Allergic asthma	NAGLU	rs11079001	C	G	0.056	0.007	0.633	1.33E-14	0.015	0.014	0.310	0.002	59.330	TRUE	6.41E-12
Allergic asthma	NAGLU	rs111416082	G	A	-0.070	0.007	0.368	2.56E-21	-0.008	0.015	0.591	0.003	89.849	TRUE	3.31E-18
Allergic asthma	NAGLU	rs112220485	C	T	-0.196	0.011	0.109	1.74E-65	-0.053	0.028	0.056	0.008	292.074	TRUE	3.77E-53
Allergic asthma	NAGLU	rs112308196	T	C	-0.195	0.011	0.120	8.32E-72	-0.024	0.026	0.346	0.009	321.089	TRUE	7.72E-61
Allergic asthma	NAGLU	rs11650969	G	T	-0.044	0.007	0.617	1.32E-09	-0.017	0.014	0.216	0.001	36.783	TRUE	1.45E-07
Allergic asthma	NAGLU	rs11652267	T	C	0.068	0.012	0.105	4.17E-09	0.037	0.023	0.117	0.001	34.541	TRUE	6.79E-07
Allergic asthma	NAGLU	rs11652920	T	C	0.176	0.021	0.028	1.99E-17	-0.003	0.029	0.916	0.002	72.152	TRUE	2.23E-15
Allergic asthma	NAGLU	rs117342079	A	G	-0.198	0.032	0.013	6.71E-10	0.160	0.222	0.472	0.001	38.102	TRUE	3.04E-08
Allergic asthma	NAGLU	rs117992856	A	G	-0.192	0.022	0.028	5.09E-19	-0.153	0.089	0.085	0.002	79.389	TRUE	8.70E-15
Allergic asthma	NAGLU	rs118025182	A	G	0.204	0.018	0.040	2.40E-29	-0.030	0.038	0.434	0.004	126.484	TRUE	9.50E-25
Allergic asthma	NAGLU	rs118055988	T	C	-0.156	0.027	0.018	8.09E-09	-0.081	0.113	0.470	0.001	33.252	TRUE	2.50E-07
Allergic asthma	NAGLU	rs11869776	T	G	0.225	0.019	0.033	7.57E-31	0.051	0.030	0.091	0.004	133.345	TRUE	1.33E-24
Allergic asthma	NAGLU	rs11869903	G	A	-0.092	0.008	0.743	7.01E-30	-0.010	0.015	0.482	0.004	128.928	TRUE	2.48E-25
Allergic asthma	NAGLU	rs12449342	A	G	-0.131	0.008	0.757	1.14E-57	0.034	0.015	0.021	0.007	256.218	TRUE	9.94E-46
Allergic asthma	NAGLU	rs13412	C	T	0.101	0.007	0.397	2.45E-44	0.027	0.014	0.047	0.005	195.090	TRUE	2.62E-35
Allergic asthma	NAGLU	rs138864105	C	T	0.192	0.019	0.038	3.74E-25	0.044	0.029	0.128	0.003	107.340	TRUE	4.12E-20
Allergic asthma	NAGLU	rs141836654	A	G	-0.169	0.027	0.018	2.20E-10	-0.063	0.074	0.391	0.001	40.276	TRUE	1.57E-08
Allergic asthma	NAGLU	rs142808159	C	G	0.516	0.025	0.020	4.09E-94	-0.003	0.039	0.944	0.012	423.538	TRUE	1.70E-82
Allergic asthma	NAGLU	rs142901107	T	C	-0.208	0.024	0.023	2.62E-18	-0.126	0.056	0.024	0.002	76.152	TRUE	1.36E-13
Allergic asthma	NAGLU	rs147986285	G	A	0.358	0.031	0.013	1.42E-30	-0.056	0.032	0.081	0.004	132.093	TRUE	2.78E-24
Allergic asthma	NAGLU	rs148175793	C	T	0.542	0.029	0.016	4.65E-78	-0.022	0.054	0.683	0.010	349.795	TRUE	1.35E-67
Allergic asthma	NAGLU	rs148215732	C	T	0.955	0.016	0.019	1.00E-200	0.011	0.057	0.848	0.092	3582.214	TRUE	1.00E-200
Allergic asthma	NAGLU	rs148704071	T	C	-0.118	0.018	0.041	4.71E-11	0.024	0.044	0.593	0.001	43.293	TRUE	2.17E-09
Allergic asthma	NAGLU	rs149039453	A	G	-0.095	0.012	0.096	2.56E-15	-0.060	0.027	0.027	0.002	62.574	TRUE	2.88E-11
Allergic asthma	NAGLU	rs16940410	C	A	0.067	0.009	0.173	8.61E-13	0.003	0.016	0.848	0.001	51.136	TRUE	3.16E-11
Allergic asthma	NAGLU	rs192216481	T	C	-0.182	0.029	0.014	5.03E-10	0.040	0.070	0.569	0.001	38.662	TRUE	1.77E-08
Allergic asthma	NAGLU	rs2070106	A	G	-0.083	0.008	0.301	3.83E-27	-0.057	0.016	3.74E-04	0.003	116.423	TRUE	6.63E-19
Allergic asthma	NAGLU	rs2354155	A	G	0.078	0.007	0.479	2.33E-28	0.021	0.014	0.127	0.003	121.977	TRUE	8.86E-23
Allergic asthma	NAGLU	rs28410822	T	C	0.206	0.023	0.023	1.33E-18	0.002	0.054	0.973	0.002	77.499	TRUE	1.69E-16
Allergic asthma	NAGLU	rs323494	A	T	-0.089	0.008	0.310	3.29E-31	-0.021	0.016	0.176	0.004	135.001	TRUE	1.98E-25
Allergic asthma	NAGLU	rs36010851	A	G	-0.509	0.036	0.010	2.13E-45	0.056	0.159	0.723	0.006	199.948	TRUE	2.29E-39
Allergic asthma	NAGLU	rs370664147	A	G	-0.221	0.017	0.047	7.95E-41	-0.007	0.072	0.927	0.005	179.006	TRUE	6.87E-36
Allergic asthma	NAGLU	rs41280074	T	C	0.297	0.030	0.014	1.53E-22	0.014	0.054	0.796	0.003	95.430	TRUE	1.20E-19
Allergic asthma	NAGLU	rs4792994	T	C	-0.098	0.010	0.163	2.67E-24	-0.034	0.018	0.052	0.003	103.445	TRUE	7.87E-19

Allergic asthma	NAGLU	rs4796770	A	C	-0.078	0.012	0.097	6.93E-11	0.037	0.028	0.197	0.001	42.536	TRUE	1.44E-08
Allergic asthma	NAGLU	rs539675166	A	C	0.664	0.036	0.009	1.71E-74	0.038	0.056	0.495	0.009	333.420	TRUE	8.40E-64
Allergic asthma	NAGLU	rs546484640	T	C	0.225	0.036	0.010	5.40E-10	-0.003	0.100	0.974	0.001	38.526	TRUE	6.27E-09
Allergic asthma	NAGLU	rs55999482	A	C	-0.056	0.008	0.320	1.28E-13	0.033	0.015	0.032	0.002	54.877	TRUE	5.56E-10
Allergic asthma	NAGLU	rs56097721	T	C	0.552	0.029	0.016	8.41E-81	0.006	0.092	0.947	0.010	362.389	TRUE	6.87E-71
Allergic asthma	NAGLU	rs597255	T	C	-0.265	0.007	0.644	2.94E-292	-0.006	0.013	0.639	0.036	1334.829	TRUE	8.11E-252
Allergic asthma	NAGLU	rs62066637	G	A	0.251	0.023	0.024	2.95E-27	-0.008	0.039	0.825	0.003	116.942	TRUE	8.23E-24
Allergic asthma	NAGLU	rs62076908	A	G	0.278	0.022	0.026	1.95E-37	-0.032	0.038	0.404	0.005	163.489	TRUE	1.37E-31
Allergic asthma	NAGLU	rs71373433	G	A	-0.078	0.011	0.107	1.24E-11	-0.012	0.018	0.509	0.001	45.907	TRUE	9.09E-10
Allergic asthma	NAGLU	rs7210270	G	A	1.115	0.015	0.021	1.00E-200	-0.005	0.029	0.872	0.128	5224.864	TRUE	1.00E-200
Allergic asthma	NAGLU	rs72831075	C	A	-0.077	0.011	0.112	9.59E-12	0.008	0.023	0.719	0.001	46.407	TRUE	3.77E-10
Allergic asthma	NAGLU	rs76010772	T	G	0.342	0.031	0.014	1.34E-28	-0.062	0.064	0.329	0.003	123.075	TRUE	8.23E-24
Allergic asthma	NAGLU	rs760282	G	A	0.072	0.008	0.281	2.57E-20	0.015	0.015	0.327	0.002	85.293	TRUE	8.86E-17
Allergic asthma	NAGLU	rs77386381	C	T	0.405	0.022	0.025	3.91E-76	0.004	0.026	0.881	0.009	340.961	TRUE	1.33E-66
Allergic asthma	NAGLU	rs77788327	C	G	0.668	0.028	0.015	1.51E-129	0.087	0.057	0.127	0.016	586.377	TRUE	1.95E-108
Allergic asthma	NAGLU	rs77876239	C	T	0.146	0.017	0.046	6.52E-18	-0.024	0.034	0.489	0.002	74.351	TRUE	4.33E-15
Allergic asthma	NAGLU	rs78333491	G	A	-0.094	0.011	0.115	1.72E-17	0.018	0.019	0.350	0.002	72.439	TRUE	1.92E-14
Allergic asthma	NAGLU	rs9900213	T	G	0.173	0.009	0.164	3.27E-75	-0.004	0.017	0.836	0.009	336.725	TRUE	1.20E-65
Allergic asthma	NAGLU	rs9910994	T	A	0.106	0.009	0.208	1.18E-34	-0.021	0.015	0.173	0.004	150.754	TRUE	2.57E-28
Allergic asthma	NFKB1	rs230539	A	G	-0.066	0.008	0.649	2.60E-15	0.031	0.014	0.025	0.002	62.547	TRUE	3.20E-11
Allergic asthma	PTGDS	rs116915239	C	T	0.166	0.022	0.036	6.76E-14	0.015	0.030	0.613	0.002	56.134	TRUE	7.37E-12
Allergic asthma	PTGDS	rs17250239	A	G	-0.085	0.012	0.143	5.59E-13	0.021	0.026	0.424	0.001	51.983	TRUE	8.97E-11
Allergic asthma	PTGDS	rs4880172	A	C	-0.069	0.008	0.624	6.42E-16	0.005	0.014	0.732	0.002	65.299	TRUE	8.78E-14
Allergic asthma	PTGDS	rs7032104	T	C	-0.051	0.008	0.541	5.84E-10	0.004	0.014	0.757	0.001	38.371	TRUE	1.19E-08
Allergic asthma	PTGDS	rs7040970	C	T	0.141	0.008	0.494	7.43E-67	-0.038	0.014	0.005	0.008	298.361	TRUE	2.96E-52
Allergic asthma	PTGDS	rs7467320	A	G	-0.082	0.009	0.700	2.39E-20	0.025	0.014	0.076	0.002	85.430	TRUE	8.30E-16
Allergic asthma	PTGDS	rs76044090	A	C	0.057	0.010	0.225	7.98E-09	-0.013	0.015	0.382	0.001	33.278	TRUE	3.28E-07
Allergic asthma	TIMP3	rs11089528	G	C	-0.107	0.012	0.139	8.23E-18	0.016	0.024	0.510	0.002	73.894	TRUE	4.83E-15
Allergic asthma	TIMP3	rs11089590	C	T	-0.085	0.009	0.476	1.11E-22	0.011	0.014	0.418	0.003	96.061	TRUE	5.22E-19
Allergic asthma	TIMP3	rs111362665	C	T	0.440	0.058	0.006	3.05E-14	0.057	0.133	0.668	0.002	57.701	TRUE	3.08E-12
Allergic asthma	TIMP3	rs111428807	T	C	0.247	0.015	0.090	7.91E-60	0.009	0.047	0.855	0.007	266.115	TRUE	2.68E-52
Allergic asthma	TIMP3	rs112768009	T	C	-0.085	0.014	0.110	5.66E-10	0.025	0.025	0.324	0.001	38.433	TRUE	4.47E-08
Allergic asthma	TIMP3	rs112799840	G	A	0.540	0.057	0.005	3.79E-21	0.126	0.076	0.099	0.002	89.078	TRUE	1.26E-16
Allergic asthma	TIMP3	rs113983124	G	T	0.454	0.033	0.017	1.79E-42	-0.012	0.051	0.815	0.005	186.554	TRUE	4.67E-37
Allergic asthma	TIMP3	rs116864038	A	G	0.202	0.032	0.020	2.55E-10	-0.029	0.032	0.354	0.001	39.993	TRUE	2.04E-08
Allergic asthma	TIMP3	rs116987772	T	C	-0.206	0.020	0.048	1.07E-24	-0.040	0.035	0.259	0.003	105.253	TRUE	2.80E-20
Allergic asthma	TIMP3	rs117004633	A	G	0.533	0.031	0.020	1.39E-65	0.035	0.038	0.356	0.008	292.518	TRUE	1.52E-55
Allergic asthma	TIMP3	rs11703546	C	T	0.080	0.014	0.098	3.15E-08	0.017	0.022	0.439	0.001	30.613	TRUE	8.64E-07
Allergic asthma	TIMP3	rs117049039	A	G	0.303	0.049	0.008	5.41E-10	-0.056	0.053	0.290	0.001	38.522	TRUE	4.93E-08
Allergic asthma	TIMP3	rs11704930	G	A	0.108	0.010	0.245	1.89E-27	-0.008	0.015	0.605	0.003	117.820	TRUE	1.59E-23
Allergic asthma	TIMP3	rs117188860	C	G	0.452	0.029	0.022	5.00E-56	0.092	0.068	0.180	0.007	248.682	TRUE	1.94E-46
Allergic asthma	TIMP3	rs117226937	T	C	0.465	0.017	0.072	5.10E-173	-0.008	0.052	0.873	0.022	786.269	TRUE	1.02E-150

Allergic asthma	TIMP3	rs117229763	A	G	0.134	0.021	0.046	9.35E-11	-0.049	0.038	0.191	0.001	41.950	TRUE	1.91E-08
Allergic asthma	TIMP3	rs117352804	T	C	-0.111	0.019	0.053	6.84E-09	-0.033	0.028	0.251	0.001	33.577	TRUE	4.74E-07
Allergic asthma	TIMP3	rs117491818	T	C	-0.133	0.023	0.034	1.30E-08	0.069	0.048	0.151	0.001	32.335	TRUE	1.33E-06
Allergic asthma	TIMP3	rs117541995	G	C	-0.176	0.021	0.045	2.25E-17	-0.033	0.028	0.236	0.002	71.910	TRUE	4.70E-14
Allergic asthma	TIMP3	rs117555418	A	G	0.357	0.023	0.037	5.40E-55	-0.016	0.058	0.777	0.007	243.939	TRUE	7.34E-48
Allergic asthma	TIMP3	rs117851892	T	C	0.250	0.039	0.012	1.50E-10	-0.024	0.055	0.665	0.001	41.033	TRUE	4.72E-09
Allergic asthma	TIMP3	rs117946275	C	T	0.363	0.023	0.036	1.86E-55	-0.054	0.070	0.444	0.007	246.067	TRUE	3.32E-47
Allergic asthma	TIMP3	rs117946472	C	G	-0.158	0.020	0.047	5.06E-15	-0.047	0.037	0.204	0.002	61.235	TRUE	5.32E-12
Allergic asthma	TIMP3	rs118117769	G	A	-0.346	0.022	0.040	1.13E-56	0.028	0.037	0.448	0.007	251.636	TRUE	2.89E-48
Allergic asthma	TIMP3	rs12053759	G	C	0.167	0.021	0.041	7.74E-15	0.020	0.037	0.578	0.002	60.397	TRUE	1.30E-12
Allergic asthma	TIMP3	rs12484696	C	G	0.166	0.013	0.129	3.07E-39	-0.035	0.023	0.121	0.005	171.739	TRUE	7.59E-32
Allergic asthma	TIMP3	rs135122	T	A	-0.167	0.026	0.972	2.07E-10	-0.094	0.062	0.128	0.001	40.402	TRUE	5.55E-08
Allergic asthma	TIMP3	rs136405	T	C	0.207	0.038	0.013	3.32E-08	-0.012	0.071	0.866	0.001	30.511	TRUE	3.03E-07
Allergic asthma	TIMP3	rs137307	T	C	-0.170	0.012	0.843	1.32E-46	-0.003	0.023	0.914	0.006	205.484	TRUE	6.50E-41
Allergic asthma	TIMP3	rs137535	C	T	0.209	0.010	0.774	1.59E-91	-0.052	0.019	0.006	0.011	411.643	TRUE	9.85E-73
Allergic asthma	TIMP3	rs137973893	A	G	0.200	0.035	0.015	1.50E-08	-0.261	0.262	0.319	0.001	32.054	TRUE	6.91E-07
Allergic asthma	TIMP3	rs138588064	G	C	-0.283	0.030	0.021	1.22E-20	-0.045	0.045	0.316	0.002	86.770	TRUE	5.04E-17
Allergic asthma	TIMP3	rs138615925	T	C	0.481	0.046	0.008	4.23E-26	0.056	0.037	0.132	0.003	111.662	TRUE	6.39E-21
Allergic asthma	TIMP3	rs138707098	T	C	0.225	0.040	0.012	1.41E-08	-0.067	0.130	0.610	0.001	32.176	TRUE	2.71E-07
Allergic asthma	TIMP3	rs138812562	C	T	0.329	0.029	0.021	4.64E-29	-0.084	0.064	0.190	0.004	125.176	TRUE	1.09E-23
Allergic asthma	TIMP3	rs139545528	A	C	-0.175	0.027	0.026	5.41E-11	0.062	0.081	0.442	0.001	43.020	TRUE	4.01E-09
Allergic asthma	TIMP3	rs139803014	G	A	0.189	0.017	0.067	1.36E-28	-0.085	0.025	8.41E-04	0.003	123.039	TRUE	2.46E-20
Allergic asthma	TIMP3	rs140325339	T	C	0.381	0.059	0.006	8.12E-11	-0.299	0.173	0.083	0.001	42.227	TRUE	3.95E-08
Allergic asthma	TIMP3	rs140329222	T	C	-0.179	0.018	0.059	5.52E-23	-0.006	0.033	0.867	0.003	97.446	TRUE	3.70E-20
Allergic asthma	TIMP3	rs141402128	A	G	0.197	0.031	0.018	3.86E-10	-0.027	0.029	0.356	0.001	39.181	TRUE	2.86E-08
Allergic asthma	TIMP3	rs142463203	C	T	-0.421	0.050	0.007	7.99E-17	0.057	0.083	0.491	0.002	69.409	TRUE	3.65E-14
Allergic asthma	TIMP3	rs143996771	C	T	-0.324	0.024	0.035	1.40E-41	0.065	0.098	0.508	0.005	182.458	TRUE	1.82E-35
Allergic asthma	TIMP3	rs144927298	T	C	-0.169	0.024	0.032	3.02E-12	0.022	0.050	0.665	0.001	48.670	TRUE	1.64E-10
Allergic asthma	TIMP3	rs145101172	T	C	0.161	0.026	0.029	2.90E-10	-0.006	0.053	0.904	0.001	39.741	TRUE	4.37E-09
Allergic asthma	TIMP3	rs147848068	A	G	0.213	0.038	0.013	1.88E-08	0.007	0.058	0.904	0.001	31.609	TRUE	1.69E-07
Allergic asthma	TIMP3	rs148005065	C	T	0.312	0.055	0.006	1.53E-08	0.051	0.078	0.515	0.001	32.016	TRUE	3.77E-07
Allergic asthma	TIMP3	rs148237706	T	C	-0.203	0.034	0.016	1.84E-09	-0.001	0.041	0.985	0.001	36.137	TRUE	1.79E-08
Allergic asthma	TIMP3	rs148619873	G	A	-0.241	0.031	0.021	4.27E-15	0.115	0.056	0.039	0.002	61.568	TRUE	3.12E-11
Allergic asthma	TIMP3	rs148874674	T	C	0.332	0.046	0.009	6.43E-13	0.121	0.043	0.004	0.001	51.709	TRUE	8.53E-09
Allergic asthma	TIMP3	rs149307297	T	C	-0.214	0.025	0.029	4.35E-17	0.055	0.052	0.295	0.002	70.606	TRUE	5.68E-14
Allergic asthma	TIMP3	rs1547413	G	A	-0.223	0.009	0.679	1.99E-130	0.009	0.014	0.529	0.016	590.431	TRUE	3.32E-112
Allergic asthma	TIMP3	rs16990808	A	G	-0.127	0.023	0.038	1.78E-08	0.042	0.028	0.128	0.001	31.720	TRUE	2.00E-06
Allergic asthma	TIMP3	rs16991717	G	A	-0.264	0.014	0.105	2.01E-80	-0.037	0.034	0.282	0.010	360.653	TRUE	7.02E-68
Allergic asthma	TIMP3	rs183660408	T	C	-0.317	0.043	0.011	1.03E-13	-0.138	0.072	0.053	0.002	55.300	TRUE	2.93E-10
Allergic asthma	TIMP3	rs186650941	T	C	0.421	0.038	0.014	2.09E-28	0.039	0.060	0.519	0.003	122.187	TRUE	3.74E-24
Allergic asthma	TIMP3	rs191834155	A	G	0.360	0.035	0.016	2.90E-25	0.026	0.089	0.767	0.003	107.847	TRUE	5.81E-22
Allergic asthma	TIMP3	rs2076037	T	C	-0.091	0.010	0.225	6.92E-19	0.012	0.018	0.508	0.002	78.783	TRUE	5.86E-16

Allergic asthma	TIMP3	rs2157188	G	A	-0.112	0.012	0.144	6.50E-20	0.013	0.017	0.425	0.002	83.456	TRUE	1.15E-16
Allergic asthma	TIMP3	rs2157189	A	C	0.083	0.009	0.357	2.29E-20	0.031	0.014	0.029	0.002	85.523	TRUE	2.55E-15
Allergic asthma	TIMP3	rs2267192	T	C	-0.066	0.009	0.318	1.39E-12	-0.012	0.014	0.408	0.001	50.196	TRUE	2.06E-10
Allergic asthma	TIMP3	rs2267250	T	C	0.103	0.017	0.065	2.55E-09	0.019	0.032	0.554	0.001	35.501	TRUE	7.36E-08
Allergic asthma	TIMP3	rs2283896	C	T	0.057	0.009	0.436	3.93E-11	-0.007	0.014	0.595	0.001	43.645	TRUE	1.84E-09
Allergic asthma	TIMP3	rs2294209	A	G	-0.165	0.018	0.063	7.70E-21	-0.017	0.023	0.459	0.002	87.674	TRUE	1.57E-17
Allergic asthma	TIMP3	rs240077	G	A	0.091	0.012	0.153	2.97E-14	-0.012	0.016	0.457	0.002	57.749	TRUE	6.52E-12
Allergic asthma	TIMP3	rs2413167	G	A	-0.071	0.009	0.345	3.53E-15	-0.007	0.014	0.609	0.002	61.940	TRUE	5.93E-13
Allergic asthma	TIMP3	rs2413202	T	C	0.069	0.011	0.206	9.73E-11	0.010	0.014	0.461	0.001	41.873	TRUE	6.15E-09
Allergic asthma	TIMP3	rs241890	T	G	-0.393	0.011	0.177	4.99E-276	0.041	0.020	0.040	0.034	1260.150	TRUE	3.93E-230
Allergic asthma	TIMP3	rs2710359	C	T	-0.134	0.012	0.165	1.62E-30	-0.021	0.018	0.237	0.004	131.833	TRUE	4.07E-25
Allergic asthma	TIMP3	rs2710369	C	T	0.066	0.011	0.201	9.63E-10	-0.002	0.019	0.913	0.001	37.395	TRUE	1.22E-08
Allergic asthma	TIMP3	rs2710378	T	A	0.152	0.017	0.071	1.10E-19	0.009	0.028	0.744	0.002	82.416	TRUE	4.52E-17
Allergic asthma	TIMP3	rs28542297	G	A	0.156	0.015	0.093	1.29E-25	0.001	0.022	0.974	0.003	109.442	TRUE	1.17E-22
Allergic asthma	TIMP3	rs2858737	A	G	0.361	0.041	0.011	3.00E-18	-0.059	0.116	0.612	0.002	75.886	TRUE	1.33E-15
Allergic asthma	TIMP3	rs35777893	T	C	-0.159	0.025	0.031	1.56E-10	0.002	0.032	0.952	0.001	40.952	TRUE	2.23E-09
Allergic asthma	TIMP3	rs3788462	T	C	-0.050	0.009	0.612	1.24E-08	0.011	0.014	0.432	0.001	32.426	TRUE	4.03E-07
Allergic asthma	TIMP3	rs3788500	C	G	-0.150	0.017	0.069	1.51E-18	-0.073	0.048	0.127	0.002	77.242	TRUE	1.25E-14
Allergic asthma	TIMP3	rs3859836	A	G	0.109	0.011	0.203	2.44E-24	0.026	0.014	0.051	0.003	103.624	TRUE	7.62E-19
Allergic asthma	TIMP3	rs4437061	T	C	-0.187	0.034	0.016	4.81E-08	-0.065	0.079	0.409	0.001	29.792	TRUE	1.35E-06
Allergic asthma	TIMP3	rs4820085	T	A	-0.145	0.013	0.117	2.50E-27	0.011	0.022	0.616	0.003	117.269	TRUE	1.91E-23
Allergic asthma	TIMP3	rs4821090	T	C	-0.073	0.009	0.551	2.36E-17	-0.026	0.014	0.055	0.002	71.816	TRUE	3.31E-13
Allergic asthma	TIMP3	rs4821119	G	C	-0.057	0.009	0.604	9.50E-11	0.007	0.014	0.590	0.001	41.920	TRUE	3.99E-09
Allergic asthma	TIMP3	rs549332944	T	C	-0.224	0.036	0.015	5.95E-10	-0.001	0.035	0.969	0.001	38.337	TRUE	6.91E-09
Allergic asthma	TIMP3	rs55726571	G	A	0.199	0.024	0.032	2.09E-16	-0.093	0.078	0.234	0.002	67.512	TRUE	3.06E-13
Allergic asthma	TIMP3	rs56100989	C	T	0.218	0.014	0.099	8.19E-52	-0.019	0.023	0.417	0.006	229.354	TRUE	5.68E-44
Allergic asthma	TIMP3	rs56181139	C	T	-0.183	0.028	0.023	6.58E-11	0.085	0.039	0.032	0.001	42.639	TRUE	7.51E-08
Allergic asthma	TIMP3	rs56202004	G	A	-0.281	0.024	0.034	1.48E-31	0.083	0.053	0.119	0.004	136.583	TRUE	2.16E-25
Allergic asthma	TIMP3	rs5749441	C	T	-0.089	0.009	0.429	7.35E-25	0.017	0.014	0.209	0.003	106.000	TRUE	3.07E-20
Allergic asthma	TIMP3	rs5753868	G	A	-0.089	0.014	0.899	3.77E-10	0.000	0.022	0.986	0.001	39.227	TRUE	4.43E-09
Allergic asthma	TIMP3	rs5754158	A	G	0.120	0.009	0.521	8.03E-44	-0.009	0.014	0.498	0.005	192.726	TRUE	2.28E-37
Allergic asthma	TIMP3	rs5754188	G	T	-0.189	0.010	0.267	6.90E-85	-0.004	0.018	0.825	0.011	381.154	TRUE	4.96E-74
Allergic asthma	TIMP3	rs5754266	T	C	-0.323	0.012	0.134	3.58E-148	-0.022	0.020	0.277	0.019	672.012	TRUE	7.65E-126
Allergic asthma	TIMP3	rs5754423	C	T	-0.112	0.011	0.188	3.07E-24	0.023	0.017	0.182	0.003	103.168	TRUE	1.32E-19
Allergic asthma	TIMP3	rs5994549	G	A	0.095	0.009	0.352	1.79E-26	-0.023	0.014	0.097	0.003	113.364	TRUE	5.20E-21
Allergic asthma	TIMP3	rs5994661	G	A	-0.208	0.009	0.556	3.30E-128	-0.020	0.014	0.137	0.016	580.220	TRUE	2.02E-107
Allergic asthma	TIMP3	rs5994697	A	C	0.058	0.009	0.380	7.29E-11	-0.032	0.014	0.024	0.001	42.436	TRUE	1.01E-07
Allergic asthma	TIMP3	rs5998617	A	C	-0.389	0.006	0.398	1.00E-200	-0.006	0.014	0.644	0.099	3913.076	TRUE	1.00E-200
Allergic asthma	TIMP3	rs5998659	T	A	-0.060	0.010	0.735	1.00E-09	-0.047	0.014	9.89E-04	0.001	37.315	TRUE	4.51E-06
Allergic asthma	TIMP3	rs60122905	T	C	-0.257	0.033	0.016	9.85E-15	-0.045	0.036	0.212	0.002	59.922	TRUE	8.73E-12
Allergic asthma	TIMP3	rs60207395	C	G	0.075	0.009	0.295	1.43E-15	0.017	0.015	0.261	0.002	63.719	TRUE	1.29E-12
Allergic asthma	TIMP3	rs62232692	A	T	0.070	0.010	0.247	2.46E-12	0.029	0.016	0.068	0.001	49.075	TRUE	2.93E-09

Allergic asthma	TIMP3	rs62239300	T	C	0.081	0.011	0.171	1.44E-12	-0.008	0.019	0.663	0.001	50.127	TRUE	8.71E-11
Allergic asthma	TIMP3	rs62241070	T	C	0.131	0.020	0.047	1.21E-10	-0.017	0.026	0.505	0.001	41.450	TRUE	6.38E-09
Allergic asthma	TIMP3	rs71313136	A	T	-0.296	0.020	0.052	7.64E-51	0.013	0.046	0.771	0.006	224.908	TRUE	3.12E-44
Allergic asthma	TIMP3	rs71313140	C	T	-0.524	0.021	0.046	6.30E-143	0.014	0.047	0.761	0.018	647.891	TRUE	3.91E-124
Allergic asthma	TIMP3	rs7285918	T	A	0.118	0.020	0.047	8.19E-09	-0.021	0.033	0.513	0.001	33.229	TRUE	2.23E-07
Allergic asthma	TIMP3	rs7287551	G	C	-0.096	0.009	0.706	2.04E-24	0.001	0.015	0.950	0.003	103.974	TRUE	1.47E-21
Allergic asthma	TIMP3	rs73156461	T	C	0.779	0.011	0.082	1.00E-200	0.062	0.036	0.079	0.119	4785.725	TRUE	1.00E-200
Allergic asthma	TIMP3	rs73397277	T	C	-0.105	0.013	0.115	8.75E-15	0.005	0.022	0.807	0.002	60.156	TRUE	6.58E-13
Allergic asthma	TIMP3	rs73398872	C	G	-0.141	0.019	0.053	2.43E-13	-0.012	0.036	0.745	0.002	53.619	TRUE	1.44E-11
Allergic asthma	TIMP3	rs7364196	T	C	0.053	0.009	0.361	2.37E-09	-0.004	0.014	0.794	0.001	35.645	TRUE	3.62E-08
Allergic asthma	TIMP3	rs737726	T	C	-0.061	0.011	0.198	1.54E-08	0.004	0.018	0.843	0.001	31.999	TRUE	1.64E-07
Allergic asthma	TIMP3	rs74616349	T	C	-0.089	0.013	0.115	5.24E-11	0.008	0.020	0.709	0.001	43.085	TRUE	1.68E-09
Allergic asthma	TIMP3	rs75021466	C	T	0.252	0.018	0.058	6.25E-43	0.070	0.034	0.038	0.005	188.643	TRUE	5.53E-34
Allergic asthma	TIMP3	rs77323849	T	C	-0.147	0.019	0.057	5.72E-15	-0.051	0.023	0.025	0.002	60.992	TRUE	5.84E-11
Allergic asthma	TIMP3	rs77421051	T	C	0.312	0.031	0.021	3.08E-24	-0.006	0.033	0.863	0.003	103.160	TRUE	3.02E-21
Allergic asthma	TIMP3	rs77798353	A	G	0.199	0.019	0.051	3.08E-25	0.013	0.034	0.703	0.003	107.727	TRUE	8.18E-22
Allergic asthma	TIMP3	rs78367494	T	C	0.133	0.024	0.035	1.62E-08	0.020	0.047	0.672	0.001	31.899	TRUE	2.61E-07
Allergic asthma	TIMP3	rs78879501	A	G	-0.353	0.047	0.008	1.07E-13	-0.111	0.089	0.211	0.002	55.225	TRUE	6.37E-11
Allergic asthma	TIMP3	rs79857592	G	A	-0.252	0.020	0.049	5.39E-37	-0.026	0.029	0.382	0.005	161.467	TRUE	3.85E-31
Allergic asthma	TIMP3	rs867129	T	C	0.405	0.037	0.014	4.28E-28	-0.030	0.127	0.811	0.003	120.768	TRUE	1.64E-24
Allergic asthma	TIMP3	rs9606937	C	T	-0.070	0.009	0.366	7.36E-15	-0.004	0.014	0.778	0.002	60.496	TRUE	6.24E-13
Allergic asthma	TIMP3	rs9606990	T	C	0.431	0.008	0.192	1.00E-200	0.027	0.015	0.069	0.079	3050.711	TRUE	1.00E-200
Allergic asthma	TIMP3	rs9609381	T	C	0.159	0.012	0.142	2.03E-37	0.078	0.031	0.012	0.005	163.404	TRUE	1.19E-28
Allergic asthma	TIMP3	rs9609661	T	C	0.402	0.038	0.013	9.70E-27	0.052	0.059	0.379	0.003	114.578	TRUE	2.26E-22
Allergic asthma	TIMP3	rs9619260	T	C	0.153	0.011	0.171	3.68E-41	-0.005	0.018	0.767	0.005	180.540	TRUE	8.55E-36
Allergic asthma	TIMP3	rs9621613	G	C	-0.266	0.033	0.017	4.95E-16	-0.158	0.094	0.095	0.002	65.811	TRUE	2.11E-12
Allergic asthma	TLR3	rs10007747	A	C	0.060	0.010	0.239	2.02E-09	0.005	0.019	0.779	0.001	35.957	TRUE	3.27E-08
Allergic asthma	TLR3	rs10022188	C	T	-0.196	0.013	0.124	7.06E-53	0.015	0.019	0.434	0.007	234.239	TRUE	5.96E-45
Allergic asthma	TLR3	rs10030346	T	C	0.104	0.012	0.141	2.04E-17	-0.010	0.017	0.583	0.002	72.105	TRUE	7.76E-15
Allergic asthma	TLR3	rs10032656	A	G	-0.057	0.009	0.374	8.37E-11	-0.010	0.014	0.481	0.001	42.167	TRUE	5.06E-09
Allergic asthma	TLR3	rs10033502	T	C	0.096	0.015	0.094	5.17E-11	0.016	0.023	0.491	0.001	43.109	TRUE	3.25E-09
Allergic asthma	TLR3	rs10471185	G	A	-0.071	0.011	0.176	3.30E-10	-0.040	0.023	0.077	0.001	39.484	TRUE	1.29E-07
Allergic asthma	TLR3	rs10866290	C	T	0.105	0.009	0.328	4.92E-31	0.008	0.014	0.599	0.004	134.202	TRUE	1.32E-26
Allergic asthma	TLR3	rs111286548	T	C	-0.283	0.018	0.063	1.50E-57	0.028	0.023	0.219	0.007	255.663	TRUE	5.62E-48
Allergic asthma	TLR3	rs11132371	T	C	0.071	0.013	0.879	3.56E-08	-0.012	0.023	0.602	0.001	30.373	TRUE	6.12E-07
Allergic asthma	TLR3	rs11132375	T	C	0.130	0.013	0.113	7.12E-22	-0.031	0.028	0.267	0.003	92.383	TRUE	6.33E-18
Allergic asthma	TLR3	rs11132398	C	T	0.106	0.009	0.614	5.03E-34	0.007	0.014	0.620	0.004	147.876	TRUE	3.05E-29
Allergic asthma	TLR3	rs111363884	A	G	0.247	0.021	0.042	3.81E-31	-0.008	0.035	0.828	0.004	134.706	TRUE	3.31E-27
Allergic asthma	TLR3	rs111881870	T	G	0.187	0.023	0.034	1.10E-15	-0.019	0.035	0.586	0.002	64.237	TRUE	2.37E-13
Allergic asthma	TLR3	rs112188402	T	C	0.124	0.017	0.063	1.10E-12	-0.011	0.030	0.703	0.001	50.649	TRUE	6.11E-11
Allergic asthma	TLR3	rs113279394	C	T	0.110	0.017	0.065	1.73E-10	-0.025	0.026	0.343	0.001	40.750	TRUE	1.54E-08
Allergic asthma	TLR3	rs113289632	T	A	-0.062	0.011	0.173	2.04E-08	0.022	0.021	0.286	0.001	31.458	TRUE	1.01E-06

Allergic asthma	TLR3	rs114003776	A	G	-0.327	0.048	0.007	1.15E-11	0.156	0.135	0.247	0.001	46.061	TRUE	2.48E-09
Allergic asthma	TLR3	rs114217826	T	C	0.194	0.022	0.039	3.00E-19	-0.008	0.047	0.861	0.002	80.432	TRUE	6.95E-17
Allergic asthma	TLR3	rs114333945	T	C	0.228	0.040	0.011	1.14E-08	-0.013	0.058	0.826	0.001	32.580	TRUE	1.32E-07
Allergic asthma	TLR3	rs114437601	A	G	-0.183	0.026	0.028	1.56E-12	0.022	0.057	0.699	0.001	49.972	TRUE	8.31E-11
Allergic asthma	TLR3	rs115104187	G	T	-0.482	0.045	0.009	8.71E-27	0.226	0.179	0.206	0.003	114.793	TRUE	7.60E-22
Allergic asthma	TLR3	rs115531755	T	C	0.269	0.026	0.028	8.40E-25	0.019	0.036	0.595	0.003	105.736	TRUE	3.22E-21
Allergic asthma	TLR3	rs115532887	T	A	0.273	0.017	0.064	9.65E-56	0.055	0.026	0.034	0.007	247.373	TRUE	1.53E-44
Allergic asthma	TLR3	rs115895037	A	G	0.233	0.028	0.024	5.99E-17	0.014	0.041	0.735	0.002	69.976	TRUE	1.11E-14
Allergic asthma	TLR3	rs116046559	T	C	-0.260	0.039	0.013	3.26E-11	-0.098	0.088	0.264	0.001	44.010	TRUE	5.42E-09
Allergic asthma	TLR3	rs116162570	G	A	-0.180	0.023	0.033	1.12E-14	0.015	0.027	0.563	0.002	59.663	TRUE	1.89E-12
Allergic asthma	TLR3	rs116191943	T	C	0.312	0.025	0.028	7.42E-36	-0.039	0.035	0.265	0.004	156.252	TRUE	9.39E-30
Allergic asthma	TLR3	rs116310238	C	G	-0.169	0.016	0.075	5.11E-26	-0.025	0.027	0.359	0.003	111.284	TRUE	1.06E-21
Allergic asthma	TLR3	rs116346695	G	C	0.137	0.021	0.044	3.55E-11	0.014	0.061	0.819	0.001	43.843	TRUE	8.79E-10
Allergic asthma	TLR3	rs116347923	A	C	-0.303	0.022	0.040	4.48E-45	-0.042	0.045	0.350	0.006	198.471	TRUE	6.03E-38
Allergic asthma	TLR3	rs116350868	T	G	-0.513	0.032	0.018	1.20E-57	-0.013	0.108	0.906	0.007	256.117	TRUE	1.53E-50
Allergic asthma	TLR3	rs116837982	T	C	0.155	0.018	0.061	3.54E-18	-0.021	0.036	0.561	0.002	75.559	TRUE	1.88E-15
Allergic asthma	TLR3	rs11726440	T	C	-0.067	0.012	0.146	2.26E-08	-0.020	0.018	0.244	0.001	31.252	TRUE	1.31E-06
Allergic asthma	TLR3	rs11731534	A	C	-0.252	0.035	0.015	4.89E-13	-0.006	0.038	0.872	0.001	52.244	TRUE	1.79E-11
Allergic asthma	TLR3	rs11735109	G	A	-0.145	0.024	0.032	2.43E-09	-0.036	0.023	0.125	0.001	35.590	TRUE	4.13E-07
Allergic asthma	TLR3	rs11735786	G	A	-0.198	0.009	0.324	1.69E-107	-0.014	0.014	0.320	0.013	485.039	TRUE	2.60E-91
Allergic asthma	TLR3	rs12644930	T	C	0.119	0.019	0.057	1.79E-10	0.014	0.064	0.827	0.001	40.687	TRUE	3.50E-09
Allergic asthma	TLR3	rs12646506	T	C	0.201	0.021	0.043	7.54E-22	0.080	0.078	0.308	0.003	92.271	TRUE	5.06E-18
Allergic asthma	TLR3	rs12647750	C	T	0.097	0.018	0.063	3.75E-08	-0.017	0.023	0.457	0.001	30.275	TRUE	9.47E-07
Allergic asthma	TLR3	rs12649789	C	T	-0.117	0.012	0.867	4.81E-21	0.009	0.019	0.649	0.002	88.604	TRUE	4.43E-18
Allergic asthma	TLR3	rs1280108	T	C	-0.345	0.058	0.005	2.46E-09	-0.143	0.120	0.236	0.001	35.567	TRUE	2.20E-07
Allergic asthma	TLR3	rs13126816	A	G	-0.394	0.008	0.226	1.00E-200	0.022	0.016	0.161	0.065	2454.132	TRUE	1.00E-200
Allergic asthma	TLR3	rs13152068	G	A	-0.078	0.009	0.340	3.56E-18	-0.004	0.016	0.823	0.002	75.547	TRUE	6.92E-16
Allergic asthma	TLR3	rs1356672	T	G	-0.127	0.010	0.249	4.99E-38	0.008	0.015	0.592	0.005	166.197	TRUE	1.24E-32
Allergic asthma	TLR3	rs139453602	A	G	0.218	0.027	0.026	1.05E-15	-0.028	0.037	0.450	0.002	64.327	TRUE	3.91E-13
Allergic asthma	TLR3	rs140275414	A	G	-0.235	0.025	0.030	3.42E-21	0.007	0.045	0.873	0.003	89.280	TRUE	1.33E-18
Allergic asthma	TLR3	rs141688211	C	T	-0.145	0.025	0.029	4.35E-09	0.016	0.066	0.807	0.001	34.456	TRUE	5.96E-08
Allergic asthma	TLR3	rs142261826	A	G	0.327	0.040	0.011	6.83E-16	-0.456	0.329	0.166	0.002	65.178	TRUE	1.35E-12
Allergic asthma	TLR3	rs142316601	T	G	0.311	0.032	0.018	8.10E-23	0.052	0.049	0.285	0.003	96.686	TRUE	8.93E-19
Allergic asthma	TLR3	rs142855742	T	C	-0.245	0.018	0.061	1.72E-44	0.018	0.027	0.492	0.005	195.797	TRUE	6.30E-38
Allergic asthma	TLR3	rs143430078	G	A	0.184	0.031	0.020	3.39E-09	-0.089	0.142	0.531	0.001	34.943	TRUE	1.00E-07
Allergic asthma	TLR3	rs143546139	G	T	0.267	0.030	0.020	2.23E-19	0.041	0.101	0.687	0.002	81.021	TRUE	1.05E-16
Allergic asthma	TLR3	rs144715116	T	C	0.209	0.034	0.016	7.73E-10	0.113	0.068	0.094	0.001	37.825	TRUE	2.14E-07
Allergic asthma	TLR3	rs145094494	A	G	0.277	0.045	0.009	1.10E-09	-0.018	0.124	0.884	0.001	37.142	TRUE	1.47E-08
Allergic asthma	TLR3	rs145183024	G	A	0.225	0.040	0.011	2.45E-08	-0.008	0.051	0.876	0.001	31.096	TRUE	2.28E-07
Allergic asthma	TLR3	rs146679154	G	A	-0.200	0.034	0.016	3.65E-09	-0.085	0.104	0.413	0.001	34.801	TRUE	1.53E-07
Allergic asthma	TLR3	rs147247971	A	G	0.181	0.032	0.017	2.37E-08	0.049	0.036	0.169	0.001	31.160	TRUE	1.96E-06
Allergic asthma	TLR3	rs147303647	G	T	-0.511	0.048	0.008	7.16E-27	0.146	0.285	0.608	0.003	115.182	TRUE	4.93E-23

Allergic asthma	TLR3	rs147351040	T	C	-0.242	0.026	0.028	7.49E-21	0.001	0.036	0.988	0.002	87.728	TRUE	1.69E-18
Allergic asthma	TLR3	rs147833826	C	T	0.120	0.019	0.056	9.73E-11	-0.094	0.050	0.061	0.001	41.872	TRUE	5.97E-08
Allergic asthma	TLR3	rs148167170	G	T	0.196	0.030	0.021	5.72E-11	0.025	0.067	0.707	0.001	42.910	TRUE	1.83E-09
Allergic asthma	TLR3	rs148620167	A	G	-0.473	0.046	0.008	3.00E-25	0.017	0.079	0.831	0.003	107.774	TRUE	4.53E-22
Allergic asthma	TLR3	rs149044294	A	G	-0.218	0.032	0.017	9.43E-12	0.094	0.039	0.016	0.001	46.442	TRUE	2.78E-08
Allergic asthma	TLR3	rs149328787	T	C	-0.233	0.036	0.014	1.29E-10	-0.001	0.032	0.964	0.001	41.326	TRUE	1.82E-09
Allergic asthma	TLR3	rs150068321	T	C	0.254	0.026	0.027	7.67E-23	-0.008	0.036	0.823	0.003	96.795	TRUE	5.91E-20
Allergic asthma	TLR3	rs151321840	C	T	0.235	0.025	0.030	3.52E-21	0.033	0.035	0.346	0.003	89.221	TRUE	1.48E-17
Allergic asthma	TLR3	rs1534146	T	C	-0.076	0.011	0.816	3.70E-12	-0.013	0.017	0.439	0.001	48.273	TRUE	4.19E-10
Allergic asthma	TLR3	rs184456818	T	C	0.154	0.027	0.026	1.06E-08	0.014	0.044	0.741	0.001	32.728	TRUE	1.52E-07
Allergic asthma	TLR3	rs186072726	C	A	-0.189	0.028	0.024	7.37E-12	-0.027	0.053	0.614	0.001	46.924	TRUE	4.15E-10
Allergic asthma	TLR3	rs186593226	T	C	-0.305	0.040	0.012	4.54E-14	0.166	0.119	0.161	0.002	56.916	TRUE	4.47E-11
Allergic asthma	TLR3	rs190727994	A	G	0.208	0.032	0.019	6.02E-11	-0.002	0.043	0.960	0.001	42.813	TRUE	9.46E-10
Allergic asthma	TLR3	rs192722640	T	C	0.265	0.029	0.021	2.79E-19	0.006	0.073	0.931	0.002	80.576	TRUE	5.03E-17
Allergic asthma	TLR3	rs1946976	T	A	0.130	0.011	0.815	9.95E-33	-0.024	0.019	0.196	0.004	141.947	TRUE	8.34E-27
Allergic asthma	TLR3	rs1960569	G	A	-0.053	0.009	0.615	1.19E-09	-0.029	0.014	0.041	0.001	36.984	TRUE	5.95E-07
Allergic asthma	TLR3	rs2035549	C	T	-0.118	0.021	0.955	1.10E-08	0.013	0.035	0.716	0.001	32.659	TRUE	1.67E-07
Allergic asthma	TLR3	rs2130908	T	C	0.081	0.010	0.248	1.93E-16	-0.009	0.018	0.610	0.002	67.665	TRUE	4.85E-14
Allergic asthma	TLR3	rs2310394	G	T	-0.406	0.008	0.764	1.00E-200	0.032	0.020	0.103	0.072	2742.581	TRUE	1.00E-200
Allergic asthma	TLR3	rs2648121	T	C	0.053	0.009	0.652	2.86E-09	0.011	0.015	0.484	0.001	35.272	TRUE	1.00E-07
Allergic asthma	TLR3	rs2648124	G	A	0.125	0.015	0.910	1.63E-17	0.037	0.033	0.261	0.002	72.548	TRUE	3.05E-14
Allergic asthma	TLR3	rs28525419	T	C	0.092	0.011	0.179	1.21E-16	-0.009	0.016	0.559	0.002	68.596	TRUE	3.94E-14
Allergic asthma	TLR3	rs28548142	T	C	-0.186	0.012	0.139	3.31E-52	0.000	0.022	0.985	0.006	231.161	TRUE	5.30E-46
Allergic asthma	TLR3	rs28611030	G	A	0.081	0.011	0.202	1.40E-14	-0.005	0.017	0.756	0.002	59.227	TRUE	1.17E-12
Allergic asthma	TLR3	rs28640898	C	T	0.071	0.013	0.118	4.96E-08	-0.025	0.022	0.255	0.001	29.732	TRUE	2.37E-06
Allergic asthma	TLR3	rs28688222	T	C	-0.081	0.009	0.322	4.84E-19	-0.001	0.014	0.954	0.002	79.488	TRUE	7.49E-17
Allergic asthma	TLR3	rs322442	G	A	-0.062	0.009	0.636	1.84E-12	-0.008	0.014	0.543	0.001	49.641	TRUE	1.60E-10
Allergic asthma	TLR3	rs327081	A	G	-0.070	0.010	0.241	1.90E-12	-0.001	0.015	0.927	0.001	49.579	TRUE	5.00E-11
Allergic asthma	TLR3	rs327090	G	A	-0.057	0.009	0.684	2.59E-10	-0.009	0.014	0.500	0.001	39.957	TRUE	1.24E-08
Allergic asthma	TLR3	rs328419	A	G	-0.086	0.012	0.131	7.69E-12	-0.072	0.019	2.17E-04	0.001	46.842	TRUE	2.82E-07
Allergic asthma	TLR3	rs34059176	A	G	-0.051	0.009	0.426	2.62E-09	-0.027	0.014	0.056	0.001	35.447	TRUE	8.60E-07
Allergic asthma	TLR3	rs34532965	A	T	-0.057	0.009	0.302	6.31E-10	-0.034	0.014	0.018	0.001	38.221	TRUE	6.55E-07
Allergic asthma	TLR3	rs34836741	C	T	0.089	0.009	0.354	5.58E-24	-0.017	0.014	0.211	0.003	101.985	TRUE	1.66E-19
Allergic asthma	TLR3	rs35706535	C	T	0.327	0.023	0.033	7.78E-46	0.013	0.038	0.723	0.006	201.954	TRUE	9.55E-40
Allergic asthma	TLR3	rs3733416	A	G	-0.135	0.020	0.047	3.04E-11	0.021	0.025	0.409	0.001	44.147	TRUE	2.78E-09
Allergic asthma	TLR3	rs4241811	T	C	-0.066	0.010	0.776	1.78E-10	-0.040	0.017	0.022	0.001	40.697	TRUE	2.11E-07
Allergic asthma	TLR3	rs4253416	T	C	0.116	0.008	0.534	1.71E-42	-0.001	0.014	0.927	0.005	186.638	TRUE	2.39E-37
Allergic asthma	TLR3	rs4260577	T	C	-0.070	0.009	0.708	7.20E-14	-0.027	0.014	0.059	0.002	56.009	TRUE	1.99E-10
Allergic asthma	TLR3	rs4394044	T	C	-0.071	0.008	0.531	1.06E-16	0.002	0.014	0.863	0.002	68.852	TRUE	1.16E-14
Allergic asthma	TLR3	rs4565117	T	C	-0.115	0.017	0.933	1.34E-11	0.007	0.027	0.784	0.001	45.753	TRUE	4.16E-10
Allergic asthma	TLR3	rs464636	T	A	-0.067	0.011	0.185	6.02E-10	0.012	0.018	0.515	0.001	38.314	TRUE	2.42E-08
Allergic asthma	TLR3	rs4861699	G	A	-0.429	0.008	0.792	1.00E-200	-0.007	0.016	0.657	0.072	2769.383	TRUE	1.00E-200

Allergic asthma	TLR3	rs4861707	G	A	0.235	0.009	0.300	2.82E-145	-0.005	0.014	0.748	0.018	658.692	TRUE	4.17E-126
Allergic asthma	TLR3	rs4862624	G	T	0.064	0.009	0.645	3.19E-13	0.000	0.014	0.989	0.001	53.087	TRUE	8.65E-12
Allergic asthma	TLR3	rs4862670	T	A	0.154	0.012	0.858	1.62E-36	-0.013	0.022	0.545	0.004	159.274	TRUE	3.32E-31
Allergic asthma	TLR3	rs4862688	G	T	-0.086	0.012	0.851	7.13E-13	0.029	0.017	0.098	0.001	51.505	TRUE	7.47E-10
Allergic asthma	TLR3	rs4862733	C	T	-0.084	0.009	0.342	3.97E-21	0.009	0.014	0.508	0.002	88.986	TRUE	7.04E-18
Allergic asthma	TLR3	rs550623234	T	C	0.360	0.027	0.025	3.09E-41	-0.004	0.056	0.945	0.005	180.882	TRUE	2.73E-36
Allergic asthma	TLR3	rs55685403	C	G	-0.079	0.014	0.106	7.51E-09	-0.015	0.019	0.427	0.001	33.397	TRUE	2.69E-07
Allergic asthma	TLR3	rs55750309	G	A	-0.129	0.022	0.039	2.32E-09	0.011	0.030	0.726	0.001	35.679	TRUE	4.25E-08
Allergic asthma	TLR3	rs56112616	A	G	-0.316	0.026	0.026	1.66E-33	0.037	0.036	0.304	0.004	145.505	TRUE	6.68E-28
Allergic asthma	TLR3	rs56257062	A	C	0.080	0.013	0.131	1.68E-10	-0.029	0.021	0.162	0.001	40.803	TRUE	3.70E-08
Allergic asthma	TLR3	rs58621366	A	G	0.238	0.010	0.261	3.21E-136	0.009	0.016	0.543	0.017	617.054	TRUE	2.86E-117
Allergic asthma	TLR3	rs59250145	T	A	0.098	0.012	0.136	1.68E-15	-0.038	0.023	0.101	0.002	63.401	TRUE	5.31E-12
Allergic asthma	TLR3	rs60948654	T	C	0.066	0.009	0.326	3.73E-13	-0.015	0.016	0.338	0.001	52.777	TRUE	9.17E-11
Allergic asthma	TLR3	rs61136607	A	C	0.058	0.009	0.289	7.25E-10	0.018	0.015	0.238	0.001	37.951	TRUE	7.96E-08
Allergic asthma	TLR3	rs61217267	T	C	-0.211	0.028	0.025	2.74E-14	-0.039	0.035	0.261	0.002	57.909	TRUE	1.52E-11
Allergic asthma	TLR3	rs62334689	G	A	-0.231	0.014	0.102	5.90E-61	0.017	0.028	0.545	0.008	271.290	TRUE	2.63E-52
Allergic asthma	TLR3	rs62335266	C	T	0.245	0.037	0.014	5.16E-11	0.012	0.039	0.766	0.001	43.114	TRUE	1.41E-09
Allergic asthma	TLR3	rs62335676	C	T	-0.088	0.015	0.085	5.86E-09	0.016	0.027	0.545	0.001	33.880	TRUE	1.53E-07
Allergic asthma	TLR3	rs62342733	A	G	-0.135	0.016	0.075	1.98E-17	-0.025	0.024	0.291	0.002	72.158	TRUE	2.99E-14
Allergic asthma	TLR3	rs62350488	T	A	0.133	0.019	0.052	2.49E-12	0.007	0.038	0.849	0.001	49.055	TRUE	7.95E-11
Allergic asthma	TLR3	rs62350517	C	G	-0.318	0.016	0.072	2.20E-87	-0.018	0.036	0.622	0.011	392.618	TRUE	1.90E-75
Allergic asthma	TLR3	rs6822014	G	A	-0.239	0.011	0.200	8.41E-113	0.001	0.017	0.934	0.014	509.413	TRUE	9.77E-99
Allergic asthma	TLR3	rs6822725	T	C	0.084	0.013	0.880	2.32E-10	-0.033	0.016	0.040	0.001	40.173	TRUE	1.69E-07
Allergic asthma	TLR3	rs6828130	C	G	-0.092	0.014	0.110	1.02E-11	0.000	0.024	0.985	0.001	46.293	TRUE	1.84E-10
Allergic asthma	TLR3	rs6832915	A	C	0.063	0.010	0.211	1.15E-09	-0.009	0.017	0.593	0.001	37.044	TRUE	3.34E-08
Allergic asthma	TLR3	rs6839415	C	T	-0.110	0.013	0.112	3.97E-16	0.044	0.024	0.073	0.002	66.249	TRUE	2.40E-12
Allergic asthma	TLR3	rs6839642	C	A	-0.079	0.010	0.766	2.06E-15	0.019	0.015	0.194	0.002	63.004	TRUE	2.70E-12
Allergic asthma	TLR3	rs6850080	C	T	0.051	0.009	0.307	2.32E-08	-0.012	0.014	0.420	0.001	31.209	TRUE	7.08E-07
Allergic asthma	TLR3	rs6850790	A	G	-0.248	0.011	0.166	5.14E-106	0.018	0.017	0.279	0.013	478.220	TRUE	9.05E-90
Allergic asthma	TLR3	rs6856458	G	A	0.156	0.011	0.197	6.38E-49	-0.007	0.017	0.667	0.006	216.100	TRUE	2.84E-42
Allergic asthma	TLR3	rs72646294	A	G	-0.236	0.031	0.020	2.06E-14	0.015	0.037	0.677	0.002	58.473	TRUE	2.13E-12
Allergic asthma	TLR3	rs72708972	T	C	-0.440	0.013	0.114	6.58E-245	0.009	0.021	0.658	0.030	1116.963	TRUE	2.03E-211
Allergic asthma	TLR3	rs72709988	G	A	0.108	0.019	0.053	1.27E-08	0.017	0.025	0.495	0.001	32.378	TRUE	3.40E-07
Allergic asthma	TLR3	rs72710517	T	G	0.223	0.009	0.299	4.56E-130	-0.032	0.016	0.042	0.016	588.771	TRUE	3.41E-107
Allergic asthma	TLR3	rs72711509	G	A	0.095	0.015	0.084	4.77E-10	-0.020	0.027	0.448	0.001	38.767	TRUE	2.46E-08
Allergic asthma	TLR3	rs72711550	G	T	-0.160	0.011	0.162	2.76E-44	0.004	0.018	0.803	0.005	194.851	TRUE	1.32E-38
Allergic asthma	TLR3	rs72712063	G	A	0.094	0.015	0.086	5.80E-10	-0.026	0.024	0.282	0.001	38.386	TRUE	5.41E-08
Allergic asthma	TLR3	rs72712610	A	G	-0.183	0.024	0.031	2.02E-14	0.019	0.029	0.518	0.002	58.507	TRUE	3.70E-12
Allergic asthma	TLR3	rs72718122	T	C	-0.125	0.014	0.098	3.30E-18	0.010	0.023	0.669	0.002	75.698	TRUE	1.15E-15
Allergic asthma	TLR3	rs73021892	C	T	-0.071	0.010	0.227	1.65E-12	0.016	0.021	0.427	0.001	49.858	TRUE	2.21E-10
Allergic asthma	TLR3	rs73873620	G	A	0.113	0.014	0.098	1.56E-15	-0.008	0.030	0.796	0.002	63.550	TRUE	1.52E-13
Allergic asthma	TLR3	rs73875751	A	G	0.237	0.039	0.012	1.38E-09	0.083	0.100	0.407	0.001	36.692	TRUE	6.94E-08

Allergic asthma	TLR3	rs73876146	C	T	-0.289	0.039	0.012	1.03E-13	-0.029	0.044	0.507	0.002	55.313	TRUE	1.55E-11
Allergic asthma	TLR3	rs74352659	A	C	-0.056	0.010	0.253	2.54E-08	-0.009	0.016	0.598	0.001	31.029	TRUE	4.63E-07
Allergic asthma	TLR3	rs74631384	A	T	-0.168	0.015	0.086	1.56E-28	-0.048	0.021	0.022	0.003	122.772	TRUE	8.79E-22
Allergic asthma	TLR3	rs74769576	T	C	-0.179	0.009	0.415	3.00E-97	-0.021	0.014	0.114	0.012	437.939	TRUE	7.88E-81
Allergic asthma	TLR3	rs74821579	C	A	-0.212	0.037	0.013	1.39E-08	0.001	0.025	0.979	0.001	32.204	TRUE	1.08E-07
Allergic asthma	TLR3	rs74868135	A	G	-0.170	0.022	0.037	3.96E-14	-0.033	0.034	0.325	0.002	57.184	TRUE	1.49E-11
Allergic asthma	TLR3	rs75163896	A	G	-0.095	0.013	0.114	1.42E-12	-0.007	0.019	0.721	0.001	50.155	TRUE	7.17E-11
Allergic asthma	TLR3	rs75207507	G	A	-0.253	0.036	0.014	2.96E-12	0.038	0.058	0.507	0.001	48.710	TRUE	2.71E-10
Allergic asthma	TLR3	rs75313972	A	G	0.196	0.034	0.015	6.36E-09	-0.053	0.049	0.282	0.001	33.719	TRUE	3.92E-07
Allergic asthma	TLR3	rs75338999	G	A	-0.230	0.029	0.022	2.23E-15	0.061	0.050	0.221	0.002	62.843	TRUE	2.40E-12
Allergic asthma	TLR3	rs75559345	T	C	0.205	0.028	0.024	1.67E-13	0.033	0.136	0.811	0.002	54.358	TRUE	8.46E-12
Allergic asthma	TLR3	rs75620353	T	C	0.271	0.021	0.040	3.85E-37	0.001	0.066	0.990	0.005	162.133	TRUE	8.32E-33
Allergic asthma	TLR3	rs75822539	A	G	0.103	0.011	0.154	1.27E-19	0.017	0.021	0.420	0.002	82.129	TRUE	2.09E-16
Allergic asthma	TLR3	rs7661225	A	G	-0.086	0.015	0.914	1.81E-08	-0.014	0.021	0.515	0.001	31.692	TRUE	4.33E-07
Allergic asthma	TLR3	rs76796229	G	A	0.129	0.022	0.042	2.59E-09	0.043	0.027	0.112	0.001	35.471	TRUE	4.81E-07
Allergic asthma	TLR3	rs7687352	G	A	-0.064	0.008	0.534	4.58E-14	0.017	0.014	0.196	0.002	56.898	TRUE	3.48E-11
Allergic asthma	TLR3	rs7690862	T	C	-0.228	0.026	0.028	1.28E-18	-0.015	0.092	0.867	0.002	77.566	TRUE	2.41E-16
Allergic asthma	TLR3	rs76953615	G	A	-0.112	0.017	0.062	7.98E-11	0.009	0.031	0.771	0.001	42.260	TRUE	2.03E-09
Allergic asthma	TLR3	rs77248592	C	T	-0.116	0.018	0.061	9.81E-11	0.003	0.028	0.909	0.001	41.858	TRUE	1.67E-09
Allergic asthma	TLR3	rs77409755	C	T	0.123	0.018	0.058	1.56E-11	-0.004	0.033	0.907	0.001	45.452	TRUE	3.36E-10
Allergic asthma	TLR3	rs77804005	G	A	-0.076	0.011	0.204	6.15E-13	0.018	0.015	0.250	0.001	51.796	TRUE	2.16E-10
Allergic asthma	TLR3	rs77818199	C	T	0.138	0.017	0.068	2.35E-16	0.021	0.028	0.450	0.002	67.277	TRUE	1.10E-13
Allergic asthma	TLR3	rs77842378	A	G	0.306	0.043	0.010	8.58E-13	-0.090	0.076	0.233	0.001	51.142	TRUE	3.13E-10
Allergic asthma	TLR3	rs77855456	T	G	0.211	0.016	0.075	3.36E-39	0.001	0.022	0.964	0.005	171.559	TRUE	1.49E-34
Allergic asthma	TLR3	rs77963370	A	G	0.404	0.029	0.021	3.81E-43	0.030	0.057	0.590	0.005	189.628	TRUE	4.73E-37
Allergic asthma	TLR3	rs78288542	A	G	-0.172	0.020	0.045	1.83E-17	-0.038	0.049	0.429	0.002	72.320	TRUE	1.37E-14
Allergic asthma	TLR3	rs78700143	A	G	0.197	0.023	0.038	5.10E-18	0.047	0.027	0.079	0.002	74.836	TRUE	6.26E-14
Allergic asthma	TLR3	rs79291768	T	C	-0.451	0.043	0.010	4.41E-26	0.076	0.096	0.424	0.003	111.578	TRUE	6.25E-22
Allergic asthma	TLR3	rs79405178	T	C	-0.289	0.028	0.022	2.66E-24	-0.038	0.037	0.299	0.003	103.451	TRUE	4.52E-20
Allergic asthma	TLR3	rs79535758	A	G	-0.210	0.036	0.014	6.21E-09	0.026	0.097	0.792	0.001	33.766	TRUE	8.43E-08
Allergic asthma	TLR3	rs830829	T	G	-0.058	0.009	0.553	1.23E-11	0.005	0.014	0.701	0.001	45.925	TRUE	4.92E-10
Allergic asthma	TLR3	rs919649	C	T	0.103	0.014	0.903	3.25E-13	0.022	0.023	0.326	0.001	53.048	TRUE	8.64E-11
Allergic asthma	TLR3	rs9993535	A	C	-0.070	0.010	0.206	2.04E-11	0.016	0.020	0.422	0.001	44.930	TRUE	1.89E-09
Allergic asthma	TLR3	rs9995398	T	C	0.080	0.009	0.324	9.07E-19	-0.022	0.015	0.145	0.002	78.247	TRUE	6.77E-15
Allergic asthma	TLR3	rs9998709	G	A	-0.079	0.010	0.242	1.03E-15	0.014	0.015	0.366	0.002	64.363	TRUE	5.63E-13
Allergic asthma	TNFAIP3	rs5029937	T	G	0.399	0.025	0.025	2.33E-55	-0.172	0.054	0.001	0.007	245.621	TRUE	5.67E-42
Allergic asthma	TNFAIP3	rs55960928	T	C	0.064	0.009	0.231	1.72E-11	-0.019	0.017	0.272	0.001	45.262	TRUE	3.07E-09
Allergic asthma	TNFAIP3	rs58424023	C	T	0.142	0.021	0.038	9.85E-12	0.006	0.069	0.936	0.001	46.356	TRUE	2.06E-10
Allergic asthma	TNFAIP3	rs67543742	G	A	-0.061	0.010	0.195	3.68E-09	0.031	0.015	0.044	0.001	34.784	TRUE	1.35E-06
Allergic asthma	TNFAIP3	rs72980707	C	G	0.257	0.037	0.011	2.96E-12	-0.046	0.060	0.446	0.001	48.713	TRUE	3.38E-10
Allergic asthma	TNFRSF1B	rs1148460	C	A	-0.060	0.008	0.449	4.53E-13	0.001	0.014	0.930	0.001	52.396	TRUE	1.41E-11
Allergic asthma	TNFRSF1B	rs146005322	G	C	-0.188	0.024	0.031	6.93E-15	-0.016	0.046	0.727	0.002	60.615	TRUE	7.01E-13

Allergic asthma	TNFRSF1B	rs146016809	A	G	-0.249	0.037	0.013	2.43E-11	-0.033	0.036	0.352	0.001	44.584	TRUE	2.88E-09
Allergic asthma	TNFRSF1B	rs2275416	A	G	0.061	0.011	0.169	2.54E-08	-0.050	0.016	0.002	0.001	31.032	TRUE	3.06E-05
Allergic asthma	TNFRSF1B	rs2301258	T	C	-0.296	0.023	0.034	4.92E-39	-0.122	0.056	0.030	0.005	170.801	TRUE	1.36E-30
Allergic asthma	TNFRSF1B	rs3397	T	C	-0.049	0.008	0.607	7.04E-09	-0.008	0.014	0.587	0.001	33.522	TRUE	1.60E-07
Allergic asthma	TNFRSF1B	rs1212890	G	A	-0.102	0.009	0.383	8.15E-33	0.014	0.014	0.313	0.004	142.342	TRUE	2.40E-27
Allergic asthma	TNFRSF1B	rs146005322	G	C	-0.258	0.024	0.031	4.36E-26	-0.016	0.046	0.727	0.003	111.600	TRUE	1.34E-22
Allergic asthma	TNFRSF1B	rs146016809	A	G	-0.381	0.038	0.013	6.25E-24	-0.033	0.036	0.352	0.003	101.760	TRUE	6.60E-20
Allergic asthma	TNFRSF1B	rs1768642	T	C	-0.168	0.010	0.203	4.51E-60	-0.057	0.016	3.63E-04	0.007	267.236	TRUE	5.24E-45
Allergic asthma	TNFRSF1B	rs2301258	T	C	-0.449	0.023	0.034	5.50E-86	-0.122	0.056	0.030	0.011	386.201	TRUE	1.04E-69
Allergic asthma	TNFRSF1B	rs235220	T	C	-0.069	0.011	0.193	4.72E-11	-0.050	0.017	0.003	0.001	43.286	TRUE	2.71E-07
Allergic asthma	TNFRSF1B	rs3397	T	C	-0.056	0.009	0.607	5.26E-11	-0.008	0.014	0.587	0.001	43.075	TRUE	2.43E-09
Allergic asthma	TNFRSF1B	rs976881	C	T	-0.065	0.010	0.740	9.07E-12	0.001	0.015	0.971	0.001	46.516	TRUE	1.74E-10
Allergic asthma	YWHAB	rs113316640	A	G	-0.170	0.024	0.028	2.06E-12	-0.078	0.044	0.074	0.001	49.420	TRUE	2.35E-09
Allergic asthma	YWHAB	rs2743275	G	A	0.064	0.008	0.486	2.45E-15	0.027	0.014	0.050	0.002	62.658	TRUE	1.56E-11
Allergic asthma	YWHAB	rs4812874	A	G	0.059	0.009	0.302	1.46E-11	-0.001	0.015	0.934	0.001	45.585	TRUE	2.93E-10
Allergic asthma	YWHAB	rs571135786	T	C	-0.180	0.019	0.048	1.82E-21	0.053	0.086	0.540	0.003	90.533	TRUE	3.09E-18
Allergic asthma	YWHAB	rs6031847	T	C	-0.181	0.009	0.259	3.26E-87	-0.043	0.016	0.008	0.011	391.837	TRUE	1.88E-69
Allergic asthma	YWHAB	rs6032079	G	A	0.072	0.013	0.886	1.36E-08	-0.002	0.021	0.911	0.001	32.243	TRUE	1.25E-07
Allergic asthma	YWHAB	rs73114746	T	C	-0.123	0.012	0.132	6.21E-25	-0.025	0.020	0.226	0.003	106.334	TRUE	2.30E-20
Allergic asthma	YWHAB	rs73911123	A	G	-0.183	0.032	0.015	1.69E-08	-0.051	0.152	0.738	0.001	31.822	TRUE	2.29E-07
Non-allergic asthma	CAMP	rs55771110	A	G	0.109	0.012	0.149	3.81E-21	-0.011	0.019	0.564	0.002	89.067	TRUE	6.91E-18
Non-allergic asthma	CAMP	rs11130163	C	T	0.048	0.009	0.342	4.87E-08	0.033	0.019	0.081	0.001	29.766	TRUE	7.37E-06
Non-allergic asthma	CAMP	rs148675210	A	G	-0.310	0.034	0.016	7.13E-20	-0.145	0.066	0.029	0.002	83.271	TRUE	8.84E-15
Non-allergic asthma	CAMP	rs55771110	A	G	0.102	0.012	0.149	1.16E-18	-0.011	0.019	0.564	0.002	77.771	TRUE	9.10E-16
Non-allergic asthma	CAMP	rs73074316	G	A	-0.118	0.020	0.047	1.90E-09	0.003	0.021	0.900	0.001	36.076	TRUE	2.54E-08
Non-allergic asthma	CAMP	rs73082350	A	G	-0.305	0.034	0.015	1.98E-19	-0.071	0.048	0.141	0.002	81.259	TRUE	2.71E-15
Non-allergic asthma	HEXB	rs10070207	T	G	-0.093	0.011	0.169	9.79E-18	-0.024	0.019	0.227	0.002	73.551	TRUE	3.24E-14
Non-allergic asthma	HEXB	rs115464765	A	G	-0.119	0.022	0.036	3.26E-08	-0.023	0.043	0.589	0.001	30.545	TRUE	6.51E-07
Non-allergic asthma	HEXB	rs116120298	A	T	0.246	0.036	0.014	4.57E-12	-0.088	0.134	0.512	0.001	47.862	TRUE	4.51E-10
Non-allergic asthma	HEXB	rs11749435	A	G	-0.100	0.011	0.159	2.39E-19	-0.006	0.022	0.786	0.002	80.880	TRUE	9.59E-17
Non-allergic asthma	HEXB	rs12516258	T	C	0.265	0.011	0.176	2.79E-136	-0.027	0.021	0.201	0.017	617.336	TRUE	3.39E-114
Non-allergic asthma	HEXB	rs13164140	A	G	0.272	0.009	0.271	7.60E-197	-0.036	0.017	0.035	0.025	895.859	TRUE	5.05E-162
Non-allergic asthma	HEXB	rs13184097	A	C	0.242	0.034	0.016	6.29E-13	-0.031	0.073	0.669	0.001	51.751	TRUE	4.91E-11
Non-allergic asthma	HEXB	rs141867747	T	G	-0.155	0.026	0.025	4.42E-09	0.047	0.083	0.573	0.001	34.428	TRUE	1.25E-07
Non-allergic asthma	HEXB	rs148167193	C	G	0.228	0.025	0.028	4.73E-20	0.053	0.082	0.512	0.002	84.087	TRUE	7.51E-17
Non-allergic asthma	HEXB	rs17646591	G	C	-0.128	0.019	0.046	4.13E-11	0.016	0.036	0.646	0.001	43.548	TRUE	1.89E-09
Non-allergic asthma	HEXB	rs192389282	A	G	0.275	0.025	0.027	6.83E-28	-0.064	0.041	0.120	0.003	119.843	TRUE	3.71E-22
Non-allergic asthma	HEXB	rs2454847	T	C	0.056	0.009	0.238	2.87E-09	-0.014	0.018	0.433	0.001	35.265	TRUE	1.33E-07
Non-allergic asthma	HEXB	rs62366364	G	A	-0.298	0.014	0.088	9.28E-97	-0.028	0.035	0.424	0.012	435.690	TRUE	4.09E-82
Non-allergic asthma	HEXB	rs6453074	G	A	0.064	0.010	0.813	8.01E-10	-0.021	0.019	0.274	0.001	37.755	TRUE	8.46E-08
Non-allergic asthma	HEXB	rs6453091	G	A	-0.177	0.009	0.276	6.97E-85	-0.005	0.018	0.794	0.011	381.134	TRUE	1.86E-73
Non-allergic asthma	HEXB	rs6872417	T	A	0.103	0.013	0.114	7.98E-16	0.012	0.022	0.583	0.002	64.872	TRUE	2.23E-13

Non-allergic asthma	HEXB	rs750019	T	A	0.056	0.009	0.728	7.53E-10	-0.016	0.018	0.394	0.001	37.875	TRUE	4.99E-08
Non-allergic asthma	HEXB	rs79357178	T	C	0.215	0.026	0.024	4.60E-16	-0.185	0.093	0.047	0.002	65.958	TRUE	5.66E-12
Non-allergic asthma	HEXB	rs820878	C	T	0.527	0.020	0.957	1.95E-151	-0.007	0.053	0.900	0.019	687.020	TRUE	2.40E-131
Non-allergic asthma	HSPA1A	rs114708313	T	A	0.094	0.016	0.067	1.05E-08	0.007	0.029	0.810	0.001	32.741	TRUE	1.41E-07
Non-allergic asthma	HSPA1A	rs143439747	A	G	0.094	0.015	0.080	1.96E-10	-0.044	0.043	0.314	0.001	40.503	TRUE	2.24E-08
Non-allergic asthma	HSPA1A	rs147906938	A	T	0.123	0.021	0.039	2.37E-09	-0.033	0.048	0.501	0.001	35.643	TRUE	9.14E-08
Non-allergic asthma	HSPA1A	rs2252937	C	T	0.081	0.012	0.122	6.74E-11	-0.090	0.020	8.17E-06	0.001	42.589	TRUE	6.19E-06
Non-allergic asthma	HSPA1A	rs2395516	C	T	0.055	0.008	0.397	2.01E-11	0.034	0.016	0.035	0.001	44.959	TRUE	3.40E-08
Non-allergic asthma	HSPA1A	rs28464365	C	T	0.127	0.014	0.085	7.28E-19	-0.066	0.038	0.084	0.002	78.682	TRUE	1.62E-14
Non-allergic asthma	HSPA1A	rs28869508	T	C	0.261	0.039	0.011	1.21E-11	-0.060	0.123	0.628	0.001	45.947	TRUE	7.05E-10
Non-allergic asthma	HSPA1A	rs34386495	T	C	0.089	0.010	0.228	2.57E-20	-0.068	0.021	0.002	0.002	85.287	TRUE	5.88E-14
Non-allergic asthma	HSPA1A	rs391755	G	A	0.093	0.015	0.073	2.34E-09	-0.080	0.034	0.018	0.001	35.670	TRUE	2.10E-06
Non-allergic asthma	HSPA1A	rs4374861	G	A	0.067	0.010	0.802	4.34E-11	0.004	0.022	0.860	0.001	43.452	TRUE	1.06E-09
Non-allergic asthma	HSPA1A	rs4713424	A	G	0.130	0.021	0.040	5.21E-10	0.003	0.035	0.936	0.001	38.594	TRUE	7.49E-09
Non-allergic asthma	HSPA1A	rs521977	G	T	0.065	0.009	0.677	6.51E-14	-0.023	0.018	0.207	0.002	56.208	TRUE	5.34E-11
Non-allergic asthma	HSPA1A	rs6929057	C	A	0.099	0.009	0.304	5.90E-30	-0.117	0.017	3.04E-12	0.004	129.270	TRUE	3.57E-16
Non-allergic asthma	HSPA1A	rs9267542	T	C	0.059	0.010	0.224	1.14E-09	-0.063	0.016	1.04E-04	0.001	37.062	TRUE	1.59E-05
Non-allergic asthma	HSPA1B	rs28590669	G	A	0.057	0.010	0.175	3.90E-08	-0.089	0.024	2.58E-04	0.001	30.197	TRUE	1.22E-04
Non-allergic asthma	HSPA1B	rs34656207	T	C	0.046	0.008	0.406	9.08E-09	-0.011	0.016	0.498	0.001	33.027	TRUE	2.86E-07
Non-allergic asthma	HSPA1B	rs72848261	C	G	0.059	0.008	0.306	2.30E-12	-0.118	0.017	2.78E-12	0.001	49.208	TRUE	4.49E-05
Non-allergic asthma	MAPK3	rs1064524	T	C	0.112	0.019	0.045	7.88E-09	-0.047	0.034	0.159	0.001	33.302	TRUE	9.77E-07
Non-allergic asthma	MAPK3	rs11150582	C	G	-0.106	0.010	0.181	2.33E-24	-0.012	0.023	0.603	0.003	103.715	TRUE	1.02E-20
Non-allergic asthma	MAPK3	rs11642632	A	G	-0.117	0.019	0.048	8.11E-10	0.007	0.053	0.895	0.001	37.731	TRUE	1.23E-08
Non-allergic asthma	MAPK3	rs142097700	A	G	0.147	0.023	0.034	1.32E-10	0.000	0.042	0.992	0.001	41.270	TRUE	1.94E-09
Non-allergic asthma	MAPK3	rs142915099	A	G	0.144	0.023	0.032	8.82E-10	0.071	0.042	0.091	0.001	37.567	TRUE	2.87E-07
Non-allergic asthma	MAPK3	rs149549354	G	A	0.114	0.020	0.043	6.74E-09	-0.096	0.048	0.047	0.001	33.605	TRUE	2.41E-06
Non-allergic asthma	MAPK3	rs190486351	T	C	0.139	0.016	0.065	3.81E-17	-0.020	0.036	0.565	0.002	70.867	TRUE	1.79E-14
Non-allergic asthma	MAPK3	rs34286592	T	C	-0.062	0.011	0.157	3.19E-08	0.035	0.024	0.147	0.001	30.586	TRUE	3.23E-06
Non-allergic asthma	MAPK3	rs34679599	T	C	-0.112	0.014	0.099	2.08E-16	0.034	0.041	0.402	0.002	67.519	TRUE	1.54E-13
Non-allergic asthma	MAPK3	rs4500746	C	T	0.076	0.009	0.662	8.22E-19	-0.042	0.017	0.015	0.002	78.442	TRUE	1.17E-13
Non-allergic asthma	MAPK3	rs4788186	G	A	-0.114	0.008	0.631	2.65E-41	0.061	0.016	1.07E-04	0.005	181.190	TRUE	3.95E-29
Non-allergic asthma	MAPK3	rs549993187	A	C	0.241	0.039	0.012	5.63E-10	-0.037	0.055	0.501	0.001	38.442	TRUE	2.73E-08
Non-allergic asthma	MAPK3	rs55732507	C	T	0.240	0.008	0.400	9.45E-188	-0.045	0.016	0.005	0.023	854.028	TRUE	1.51E-151
Non-allergic asthma	MAPK3	rs56329348	A	G	0.181	0.022	0.037	1.08E-16	0.034	0.051	0.512	0.002	68.816	TRUE	5.39E-14
Non-allergic asthma	MAPK3	rs62054903	G	A	0.136	0.024	0.028	2.56E-08	-0.015	0.065	0.819	0.001	31.011	TRUE	2.97E-07
Non-allergic asthma	MAPK3	rs6565174	C	A	0.162	0.012	0.869	3.82E-41	-0.068	0.026	0.010	0.005	180.462	TRUE	2.86E-31
Non-allergic asthma	MAPK3	rs76840156	T	C	0.128	0.023	0.032	3.72E-08	-0.035	0.051	0.498	0.001	30.288	TRUE	9.35E-07
Non-allergic asthma	MAPK3	rs80154727	A	G	-0.172	0.031	0.018	1.78E-08	-0.032	0.147	0.827	0.001	31.718	TRUE	2.12E-07
Non-allergic asthma	MAPK3	rs9936065	T	C	0.146	0.022	0.037	1.79E-11	-0.012	0.032	0.719	0.001	45.181	TRUE	7.44E-10
Non-allergic asthma	PLCG1	rs74974231	A	G	0.058	0.010	0.220	2.91E-09	-0.040	0.018	0.027	0.001	35.245	TRUE	1.90E-06
Non-allergic asthma	PLCG1	rs753381	C	T	0.067	0.008	0.527	5.80E-17	-0.038	0.016	0.016	0.002	70.040	TRUE	3.21E-12
Non-allergic asthma	UNC5B	rs1060184	G	C	-0.082	0.013	0.123	6.13E-11	0.021	0.021	0.302	0.001	42.775	TRUE	9.01E-09

Non-allergic asthma	UNC5B	rs10999754	T	C	0.194	0.023	0.034	2.90E-17	0.056	0.067	0.408	0.002	71.411	TRUE	2.83E-14
Non-allergic asthma	UNC5B	rs10999760	A	G	0.136	0.011	0.177	3.63E-37	0.017	0.022	0.438	0.005	162.249	TRUE	3.02E-31
Non-allergic asthma	UNC5B	rs112107680	C	G	0.132	0.018	0.056	1.52E-13	-0.009	0.031	0.760	0.002	54.548	TRUE	1.08E-11
Non-allergic asthma	UNC5B	rs118167791	A	G	0.434	0.035	0.016	4.01E-36	-0.209	0.084	0.013	0.004	157.477	TRUE	2.15E-27
Non-allergic asthma	UNC5B	rs12262480	C	A	0.189	0.014	0.095	3.18E-41	-0.049	0.023	0.034	0.005	180.828	TRUE	3.38E-32
Non-allergic asthma	UNC5B	rs12355891	T	C	-0.103	0.016	0.074	4.14E-11	-0.020	0.032	0.520	0.001	43.546	TRUE	2.83E-09
Non-allergic asthma	UNC5B	rs12776342	A	C	0.052	0.009	0.274	1.61E-08	0.021	0.018	0.258	0.001	31.912	TRUE	1.06E-06
Non-allergic asthma	UNC5B	rs138455032	G	C	0.240	0.030	0.020	8.39E-16	-0.004	0.066	0.958	0.002	64.773	TRUE	6.17E-14
Non-allergic asthma	UNC5B	rs1572858	G	A	-0.068	0.008	0.446	3.32E-16	0.001	0.016	0.945	0.002	66.601	TRUE	2.87E-14
Non-allergic asthma	UNC5B	rs188646299	G	A	0.288	0.049	0.007	4.18E-09	0.096	0.106	0.367	0.001	34.536	TRUE	2.29E-07
Non-allergic asthma	UNC5B	rs2394787	T	A	0.113	0.021	0.959	4.06E-08	-0.002	0.044	0.961	0.001	30.118	TRUE	3.16E-07
Non-allergic asthma	UNC5B	rs3781311	G	A	0.050	0.008	0.444	1.21E-09	-0.016	0.016	0.325	0.001	36.958	TRUE	9.57E-08
Non-allergic asthma	UNC5B	rs4517438	C	G	-0.056	0.009	0.363	5.06E-11	0.009	0.017	0.598	0.001	43.151	TRUE	2.61E-09
Non-allergic asthma	UNC5B	rs58539535	G	C	-0.097	0.012	0.128	3.49E-15	0.010	0.029	0.717	0.002	61.965	TRUE	4.83E-13
Non-allergic asthma	UNC5B	rs60521839	T	C	-0.213	0.022	0.037	1.39E-22	0.030	0.049	0.531	0.003	95.616	TRUE	4.78E-19
Non-allergic asthma	UNC5B	rs7074672	T	C	-0.055	0.010	0.769	1.42E-08	-0.004	0.019	0.810	0.001	32.158	TRUE	1.82E-07
Non-allergic asthma	UNC5B	rs7091097	T	C	-0.067	0.011	0.826	7.93E-10	-0.011	0.021	0.606	0.001	37.775	TRUE	2.65E-08
Non-allergic asthma	UNC5B	rs77080751	A	G	0.147	0.016	0.069	5.44E-20	-0.039	0.029	0.182	0.002	83.808	TRUE	6.28E-16
Non-allergic asthma	UNC5B	rs7918500	G	C	-0.129	0.017	0.064	2.32E-14	0.026	0.029	0.373	0.002	58.236	TRUE	9.25E-12
Non-allergic asthma	UNC5B	rs79671692	C	G	0.078	0.013	0.112	1.65E-09	0.023	0.032	0.471	0.001	36.343	TRUE	7.42E-08

PCD, programmed cell death; SNP, single nucleotide polymorphsim

Table S13. Colocalization analysis of associations between PCD-related gene methylation and asthma*

Outcome	Gene	probeID	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
Overall asthma	ORMDL3	cg22144450	1151	4.90E-99	6.22E-15	2.90E-86	0.04	0.96
Overall asthma	ORMDL3	cg18711369	1470	2.70E-307	9.51E-14	1.60E-294	0.56	0.44
Overall asthma	ORMDL3	cg10909506	1417	3.94E-283	9.53E-14	2.33E-270	0.56	0.44
Overall asthma	GSDMB	cg10057218	1305	3.10E-97	4.48E-15	1.84E-84	0.03	0.97
Overall asthma	GSDMB	cg27435903	966	6.67E-63	1.32E-14	3.95E-50	0.08	0.92
Overall asthma	ORMDL3	cg19511844	1064	9.75E-41	3.74E-14	5.77E-28	0.22	0.78
Overall asthma	IL13	cg04303330	1119	5.03E-75	1.38E-12	1.82E-64	0.05	0.95
Overall asthma	IL13	cg13566430	787	2.16E-56	1.73E-13	7.80E-46	5.27E-03	0.99
Overall asthma	CLEC16A	cg10390979	953	5.24E-29	6.13E-10	1.60E-20	0.19	0.81
Overall asthma	ERBB3	cg10869879	492	2.23E-34	2.55E-05	1.72E-30	0.20	0.80
Overall asthma	ERBB3	cg23731805	485	8.68E-40	3.13E-05	6.70E-36	0.24	0.76
Overall asthma	FADS2	cg19610905	1206	0.00E+00	4.50E-04	0.00E+00	0.03	0.97
Overall asthma	FADS2	cg11250194	983	0.00E+00	4.52E-04	0.00E-309	0.03	0.97
Overall asthma	GSDMA	cg10794714	412	4.93E-16	7.07E-09	6.93E-08	0.99	6.55E-03
Overall asthma	ERBB3	cg00907267	353	2.74E-14	1.27E-05	2.11E-10	0.10	0.90
Overall asthma	GSDMB	cg12360886	506	1.37E-17	9.48E-15	8.12E-05	0.06	0.94
Overall asthma	ERBB3	cg17843101	229	3.55E-16	9.51E-05	2.74E-12	0.73	0.27
Overall asthma	FADS2	cg07005513	404	1.68E-13	8.91E-04	1.22E-11	0.06	0.94
Overall asthma	UNC13D	cg16354117	501	1.05E-54	7.93E-03	1.68E-53	0.13	0.87
Overall asthma	FADS2	cg07591205	274	3.22E-13	4.61E-04	2.33E-11	0.03	0.97
Overall asthma	CSF2	cg16465129	936	5.87E-22	8.19E-09	7.16E-14	1.00	4.04E-06
Overall asthma	STK25	cg09289202	1978	0.00E+00	4.08E-17	0.00E+00	1.00	9.54E-16
Overall asthma	FADS2	cg01400685	1075	4.50E-265	0.01	3.26E-263	0.74	0.25
Overall asthma	FADS2	cg21709803	849	1.34E-278	0.01	9.72E-277	0.74	0.25
Overall asthma	FADS2	cg00603274	1059	9.29E-298	0.01	6.72E-296	0.74	0.25
Overall asthma	FADS2	cg06781209	1039	0.00E+00	0.01	0.00E+00	0.74	0.25
Overall asthma	STAT5A	cg05117208	474	7.94E-46	0.03	9.69E-45	0.34	0.63
Overall asthma	IL6	cg13104385	1995	0.00E+00	0.07	0.00E+00	0.04	0.88
Overall asthma	IL6	cg05265849	1957	0.00E+00	0.08	0.00E+00	0.04	0.88
Overall asthma	IL6	cg05472934	1790	1.06E-264	0.07	6.34E-265	0.04	0.88
Overall asthma	CSF2	cg16565692	1229	9.27E-27	8.19E-09	1.13E-18	1.00	3.29E-07
Overall asthma	STAT5B	cg18810026	437	1.04E-30	0.03	1.27E-29	0.34	0.63
Overall asthma	STAT5A	cg20388732	401	5.64E-24	0.03	6.88E-23	0.34	0.63
Overall asthma	FADS2	cg14911132	570	2.45E-65	0.01	1.77E-63	0.83	0.16
Overall asthma	SNX32	cg13467162	644	1.16E-29	0.03	4.98E-29	0.14	0.83
Overall asthma	STAT5B	cg19465320	437	5.62E-18	0.03	6.86E-17	0.33	0.64
Overall asthma	CDH1	cg09220040	1310	6.11E-73	0.07	2.34E-72	0.25	0.68
Overall asthma	GATA4	cg16810626	2758	1.36E-120	0.04	2.23E-119	0.68	0.28
Overall asthma	BLK	cg04335815	2631	1.80E-19	0.03	3.03E-18	0.53	0.44
Overall asthma	TPCN2	cg16709353	1273	8.95E-269	0.10	3.27E-268	0.38	0.52

Overall asthma	IL4R	cg01165142	295	3.91E-08	5.33E-05	3.77E-04	0.51	0.49
Overall asthma	CDH1	cg13920367	1428	2.12E-177	0.09	8.23E-177	0.35	0.56
Overall asthma	STAT5A	cg03001305	453	5.62E-14	0.03	6.85E-13	0.35	0.62
Overall asthma	STAT5A	cg06357561	391	4.00E-12	0.03	4.88E-11	0.34	0.63
Overall asthma	TPCN2	cg01403660	1145	0.00E+00	0.12	0.00E+00	0.44	0.43
Overall asthma	SNX32	cg06678084	335	2.22E-11	0.03	9.48E-11	0.14	0.83
Overall asthma	BLK	cg24861686	3197	2.08E-40	0.03	3.50E-39	0.56	0.41
Overall asthma	TPCN2	cg12152352	1336	7.74E-192	0.12	2.83E-191	0.44	0.45
Overall asthma	TPCN2	cg01993067	704	2.37E-108	0.12	8.66E-108	0.45	0.43
Overall asthma	ING5	cg11463903	1838	2.17E-154	4.08E-17	5.33E-138	1.00	1.31E-16
Overall asthma	FADS2	cg16576620	358	2.04E-08	6.29E-03	1.47E-06	0.45	0.54
Overall asthma	IDUA	cg14652403	1140	2.41E-38	0.32	1.51E-39	0.02	0.66
Overall asthma	BCL3	cg26470501	745	8.17E-44	0.14	2.48E-43	0.44	0.42
Overall asthma	UNC13D	cg01430390	842	4.72E-80	0.05	7.63E-79	0.83	0.12
Overall asthma	PPP2R1B	cg09085632	1153	0.00E+00	0.26	0.00E+00	0.15	0.60
Overall asthma	P2RX4	cg20966272	702	5.46E-27	0.15	2.21E-27	0.06	0.79
Overall asthma	PDLIM1	cg02338345	1771	1.91E-32	0.26	2.14E-32	0.29	0.45
Overall asthma	TNF	cg11484872	191	5.12E-16	8.87E-14	5.46E-03	0.95	0.05
Overall asthma	UNC13D	cg14715778	454	9.52E-17	0.05	1.53E-15	0.85	0.10
Overall asthma	GATA4	cg12637676	1783	1.02E-06	0.05	1.66E-05	0.74	0.22
Overall asthma	FADS2	cg07999042	169	7.34E-05	0.05	3.17E-04	0.21	0.74
Allergic asthma	GSDMB	cg10057218	1280	9.54E-99	1.38E-16	1.26E-84	0.02	0.98
Allergic asthma	GSDMB	cg27435903	952	5.00E-64	5.34E-16	6.59E-50	0.07	0.93
Allergic asthma	ORMDL3	cg19511844	1036	2.78E-42	1.03E-15	3.66E-28	0.14	0.86
Allergic asthma	CLEC16A	cg10390979	919	4.35E-27	5.08E-08	2.68E-21	0.03	0.97
Allergic asthma	IL6	cg13104385	1950	0.00E+00	1.06E-03	0.00E+00	0.04	0.96
Allergic asthma	IL6	cg05265849	1913	0.00E+00	1.05E-03	0.00E+00	0.04	0.96
Allergic asthma	IL6	cg05472934	1743	1.45E-266	1.01E-03	6.05E-265	0.04	0.96
Allergic asthma	GSDMB	cg12360886	500	5.89E-19	3.84E-16	7.76E-05	0.05	0.95
Allergic asthma	GSDMA	cg10794714	409	2.10E-15	3.00E-08	6.92E-08	0.99	9.55E-03
Allergic asthma	IL4R	cg01165142	288	2.70E-19	3.51E-16	7.70E-04	1.00	1.56E-04
Allergic asthma	UNC5B	cg23622162	775	0.00E+00	0.04	0.00E+00	3.38E-03	0.96
Allergic asthma	TRIM8	cg07119830	1517	1.41E-204	0.02	6.07E-204	0.10	0.88
Allergic asthma	BLK	cg24861686	3149	3.81E-40	0.06	3.49E-39	0.56	0.38
Allergic asthma	KAT5;RNASEH2C	cg11637721	565	2.92E-14	0.04	5.34E-14	0.08	0.88
Allergic asthma	MTMR9	cg06240162	1680	7.73E-07	0.04	1.07E-05	0.48	0.48
Allergic asthma	XBP1	cg18940763	959	5.95E-27	0.08	2.29E-26	0.31	0.61
Allergic asthma	TRIM27	cg22900372	340	2.74E-121	0.20	8.26E-122	0.06	0.74
Allergic asthma	RPTOR	cg15946337	1032	3.65E-32	0.20	1.46E-33	6.99E-03	0.80
Allergic asthma	TRIM27	cg21997109	364	0.00E+00	0.25	0.00E+00	0.07	0.68
Allergic asthma	TRIM27	cg11073024	299	2.60E-235	0.23	7.17E-236	0.06	0.71
Allergic asthma	STAT5A	cg05117208	472	5.64E-45	0.20	1.38E-45	0.05	0.75

Allergic asthma	KIF1B	cg11712187	881	1.02E-29	0.06	6.22E-29	0.35	0.59
Allergic asthma	BLK	cg04335815	2593	3.54E-19	0.07	3.23E-18	0.61	0.32
Allergic asthma	CAV1	cg04474049	660	6.05E-52	0.19	1.96E-52	0.06	0.75
Allergic asthma	STAT5B	cg18810026	435	7.53E-30	0.20	1.82E-30	0.05	0.75
Allergic asthma	MAP2K5	cg24247231	1425	2.10E-311	2.26E-07	9.28E-305	1.00	8.02E-07
Allergic asthma	STAT5A	cg20388732	398	4.29E-23	0.21	1.02E-23	0.05	0.74
Allergic asthma	CAV1	cg20897119	647	4.19E-13	0.15	1.30E-13	0.05	0.80
Non-allergic asthma	GSDMB	cg10057218	1280	1.32E-85	1.91E-03	2.05E-84	0.03	0.97
Non-allergic asthma	ORMDL3	cg10909506	1386	3.21E-272	7.93E-03	4.98E-271	0.12	0.87
Non-allergic asthma	ORMDL3	cg18711369	1437	2.19E-296	7.93E-03	3.40E-295	0.12	0.87
Non-allergic asthma	ORMDL3	cg19511844	1036	1.42E-29	5.28E-03	2.20E-28	0.08	0.91
Non-allergic asthma	HSPA1B	cg21080034	341	2.17E-17	3.21E-03	1.74E-15	0.26	0.74

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S14. Colocalization analysis of associations between PCD-related gene expression and asthma*

Outcome	Gene	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
Overall asthma	ORMDL3	5200	0.00E+00	6.08E-14	0.00E+00	0.333	0.667
Overall asthma	GSDMB	5173	0.00E+00	6.08E-14	0.00E+00	0.333	0.667
Overall asthma	BCL2L11	3639	5.97E-40	2.81E-08	3.37E-34	0.015	0.985
Overall asthma	IRF1	5236	6.63E-27	2.78E-11	2.38E-16	1.000	1.71E-05
Overall asthma	ERBB3	4823	1.34E-91	7.52E-05	9.54E-88	0.534	0.466
Overall asthma	NMT1	3919	4.96E-86	0.003	3.32E-85	0.017	0.980
Overall asthma	TGFBR1	6091	8.81E-56	0.002	1.14E-55	0.002	0.996
Overall asthma	UNC13D	6490	2.68E-130	0.008	4.08E-129	0.121	0.871
Overall asthma	CD70	8106	1.43E-28	0.023	6.76E-29	0.010	0.967
Overall asthma	ING5	5611	0.00E+00	4.08E-17	0.00E+00	1.000	1.68E-16
Overall asthma	BOK	6357	1.16E-261	4.08E-17	2.83E-245	1.000	3.04E-16
Overall asthma	CBL	5251	1.97E-129	0.104	8.01E-129	0.422	0.474
Overall asthma	IFNG	6917	4.66E-22	0.107	5.22E-22	0.119	0.773
Overall asthma	FNIP2	5621	1.83E-186	0.327	6.69E-187	0.119	0.554
Overall asthma	IDUA	6327	8.06E-124	0.331	2.05E-124	0.084	0.586
Overall asthma	DDX5	4236	0.00E+00	0.364	0.00E+00	0.055	0.581
Overall asthma	PRKCA	7341	2.73E-121	0.312	1.62E-121	0.185	0.504
Allergic asthma	IRF1	4970	2.55E-27	1.07E-11	2.34E-16	0.980	0.020
Allergic asthma	ABCB9	5241	8.07E-248	8.44E-05	6.98E-244	0.729	0.271
Allergic asthma	CD5	5522	9.13E-130	0.029	6.06E-130	0.018	0.952
Allergic asthma	JAK2	7546	2.77E-135	0.022	3.24E-134	0.261	0.717
Allergic asthma	BCL2L11	3634	3.48E-34	0.016	4.77E-34	0.022	0.962
Allergic asthma	TRIM8	4346	1.54E-185	0.060	9.34E-185	0.362	0.578
Allergic asthma	HTT	7642	3.31E-15	0.052	5.51E-15	0.086	0.861
Allergic asthma	TAB2	7014	6.39E-51	0.058	4.92E-50	0.444	0.499
Allergic asthma	AP1M1	7159	0.00E+00	0.257	0.00E+00	0.153	0.590
Allergic asthma	CHEK2	4951	1.44E-13	0.071	8.04E-13	0.395	0.534
Non-allergic asthma	GSDMB	4922	0.00E+00	0.005	0.00E+00	0.080	0.915
Non-allergic asthma	ORMDL3	4951	0.00E+00	0.005	0.00E+00	0.080	0.915
Non-allergic asthma	IRF1	4970	1.93E-18	0.008	1.49E-17	0.062	0.930

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S15. Colocalization analysis of associations between proteins encoded by PCD-related genes and asthma*

Outcome	Gene	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
Overall asthma	HSPA1A	19732	8.40E-79	7.90E-56	1.06E-23	1.00	1.83E-07
Overall asthma	IDUA	7414	0.00E+00	0.24	0.00E+00	0.09	0.67
Overall asthma	NMT1	6653	3.11E-05	9.18E-03	2.04E-04	0.06	0.93
Allergic asthma	HSPA1A	20393	8.44E-44	8.07E-21	3.09E-25	0.03	0.97
Non-allergic asthma	HSPA1A	20393	1.50E-32	1.44E-09	1.55E-24	0.15	0.85
Non-allergic asthma	HSPA1B	20393	3.23E-16	2.00E-09	3.34E-08	0.21	0.79

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S16. Association between methylation and expression, expression and protein abundance of identified PCD-related genes

Gene	mQTL → eQTL								eQTL → pQTL							
	probeID	nSNPs	Method	Beta	SE	P	Egger_intercept	P_Egger_intercept	PPH3+PPH4	nSNPs	Method	Beta	SE	P	Egger_intercept	P_Egger_intercept	PPH3+PPH4
ERBB3	cg17843101	1	Wald ratio	-0.801	0.039	2.91E-92	NA	NA	0.99	3	Inverse variance weighted	0.397	0.050	1.89E-15	0.074	0.479	0.99
ERBB3	cg23731805	1	Wald ratio	0.483	0.026	8.45E-77	NA	NA	0.99								
SFRP1	cg00000321	1	Wald ratio	0.121	0.055	0.029	NA	NA	0.48								
SFRP1	cg01074584	1	Wald ratio	0.103	0.051	0.043	NA	NA	0.56	1	Wald ratio	0.453	0.128	4.01E-04	NA	NA	0.99
SFRP1	cg07935886	1	Wald ratio	0.100	0.046	0.029	NA	NA	0.99								
SFRP1	cg14824386	1	Wald ratio	0.109	0.050	0.028	NA	NA	0.99								
FGFR1	cg15321288	3	Inverse variance weighted	0.517	0.033	2.99E-54	0.014	0.829	0.99								
FGFR1	cg24828864	2	Inverse variance weighted	1.356	0.033	<1E-200	NA	NA	0.99	10	Inverse variance weighted	0.244	0.056	1.55E-05	0.016	0.242	0.99
FGFR1	cg12614213	1	Wald ratio	-1.653	0.026	8.90E-237	NA	NA	0.99								
HSPA1B	cg21080034	2	Inverse variance weighted	-0.543	0.063	3.34E-08	NA	NA	0.99	25	Inverse variance weighted	-0.108	0.021	1.49E-07	-0.011	0.155	0.99
MAPK3	cg00192773	1	Wald ratio	-0.545	0.039	1.78E-44	NA	NA	0.99	50	Inverse variance weighted	0.315	0.018	1.18E-68	0.001	0.948	0.99
IDUA	cg14652403	3	Inverse variance weighted	0.632	0.073	2.99E-18	-0.021	0.798	0.99	16	Inverse variance weighted	1.109	0.126	1.30E-18	0.045	0.478	0.99

PCD, programmed cell death; QTL, quantitative trait loci; SNP, single nucleotide polymorphsim; PP, posterior probability; "→" indicates the direction of association between different QTL levels: mQTL → eQTL represents the relationship from mQTL to eQTL, and eQTL → pQTL represents the relationship from eQTL to pQTL.

Table S17. Genetic instruments for MR analysis of methylation and expression, expression and protein abundance of identified PCD-related genes

Gene	QTL category	probeID	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
ERBB3	mQTL	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	-0.165	0.008	2.90E-92	0.020	74.210	TRUE	0.129
ERBB3	mQTL	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	-0.159	0.009	8.43E-77	0.047	183.509	TRUE	2.38E-11
	eQTL		rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	-0.060	0.008	2.87E-13	0.014	424.910	TRUE	8.64E-24
	eQTL		rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	-0.076	0.014	3.59E-08	0.002	50.138	TRUE	0.075
	eQTL		rs150823486	A	G	0.124	0.022	0.045	9.57E-09	0.054	0.016	9.76E-04	0.001	32.925	TRUE	0.022
FGFR1	mQTL	cg15321288	rs17175631	A	G	-0.226	0.041	0.108	4.41E-08	-0.155	0.013	7.84E-34	0.008	29.946	TRUE	0.226
	mQTL	cg15321288	rs2461335	T	C	0.215	0.039	0.122	4.39E-08	0.095	0.011	5.08E-17	0.008	29.951	TRUE	0.018
	mQTL	cg15321288	rs930828	C	T	0.524	0.025	0.410	9.45E-98	0.268	0.008	1.00E-200	0.106	440.034	TRUE	8.28E-18
	eQTL		rs10093892	C	T	0.058	0.010	0.214	3.63E-09	-0.009	0.011	0.389	0.001	34.812	TRUE	1.77E-04
	eQTL		rs111903390	C	G	-0.194	0.028	0.026	2.69E-12	-0.049	0.034	0.150	0.002	48.900	TRUE	9.98E-06
	eQTL		rs141368811	T	G	0.111	0.017	0.059	4.98E-11	0.076	0.020	1.09E-04	0.001	43.186	TRUE	0.032
	eQTL		rs147185839	T	C	0.156	0.029	0.022	4.73E-08	0.061	0.024	0.011	0.001	29.825	TRUE	0.018
	eQTL		rs1665503	A	G	-0.067	0.008	0.350	1.61E-15	-0.033	0.009	1.17E-04	0.002	63.488	TRUE	0.002
	eQTL		rs17182134	A	C	-0.357	0.015	0.071	2.94E-118	-0.046	0.016	0.003	0.017	534.482	TRUE	2.45E-49
	eQTL		rs2445024	C	T	0.159	0.014	0.094	1.45E-31	0.061	0.017	3.57E-04	0.004	136.619	TRUE	1.35E-09
	eQTL		rs3758103	C	T	0.119	0.012	0.142	4.47E-25	0.057	0.012	1.10E-06	0.003	106.985	TRUE	2.07E-05
	eQTL		rs62503904	G	A	0.118	0.019	0.062	1.88E-10	0.026	0.014	0.058	0.002	40.589	TRUE	2.52E-04
	eQTL		rs802170	T	A	-0.067	0.010	0.304	4.12E-11	-0.018	0.009	0.050	0.002	43.552	TRUE	8.91E-05
HASPA1B	mQTL	cg21080034	rs116383515	C	T	0.265	0.048	0.062	4.73E-08	-0.070	0.042	0.098	0.008	29.807	TRUE	1.88E-07
	mQTL	cg21080034	rs2272592	T	C	-0.164	0.029	0.197	1.59E-08	-0.010	0.021	0.639	0.009	31.921	TRUE	2.98E-08
	mQTL	cg21080034	rs385306	A	G	0.268	0.028	0.217	2.30E-21	-0.074	0.016	5.71E-06	0.024	90.024	TRUE	1.06E-18
	mQTL	cg21080034	rs760294	A	C	0.229	0.037	0.104	7.83E-10	0.000	0.021	0.991	0.010	37.781	TRUE	1.14E-09
	mQTL	cg21080034	rs9267661	T	C	0.655	0.095	0.015	4.66E-12	-0.135	0.090	0.136	0.013	47.798	TRUE	2.63E-11
	mQTL	cg21080034	rs9469089	C	G	0.192	0.033	0.144	5.46E-09	-0.065	0.019	5.60E-04	0.009	34.000	TRUE	8.34E-08
	eQTL		rs114419903	C	T	0.294	0.037	0.028	1.08E-15	-0.025	0.034	0.461	0.005	64.266	TRUE	1.30E-10
	eQTL		rs1144708	T	C	-0.216	0.012	0.375	3.58E-68	0.024	0.008	0.005	0.022	304.381	TRUE	1.75E-40
	eQTL		rs115128935	C	T	-0.450	0.072	0.018	3.33E-10	0.039	0.023	0.092	0.007	39.455	TRUE	1.65E-07
	eQTL		rs115379475	A	G	0.362	0.043	0.023	5.82E-17	-0.026	0.040	0.514	0.006	70.027	TRUE	5.34E-12
	eQTL		rs115461385	T	C	0.195	0.030	0.057	1.46E-10	-0.016	0.018	0.379	0.004	41.073	TRUE	1.57E-07
	eQTL		rs115892464	T	C	-0.230	0.031	0.042	2.08E-13	0.009	0.016	0.604	0.004	53.920	TRUE	1.64E-09
	eQTL		rs116508221	T	C	-0.192	0.028	0.051	2.70E-12	-0.044	0.019	0.022	0.004	48.885	TRUE	2.08E-06
	eQTL		rs117395472	T	G	0.573	0.078	0.014	2.01E-13	0.125	0.067	0.061	0.009	53.976	TRUE	9.77E-10
	eQTL		rs1265099	G	A	-0.079	0.012	0.420	1.42E-10	-0.006	0.008	0.443	0.003	41.123	TRUE	4.29E-07
	eQTL		rs150984561	A	G	0.125	0.021	0.092	2.86E-09	0.010	0.017	0.536	0.003	35.270	TRUE	2.30E-06
	eQTL		rs191306205	T	C	-0.185	0.031	0.039	3.70E-09	0.030	0.021	0.156	0.003	34.768	TRUE	1.97E-05
	eQTL		rs2075798	A	C	-0.155	0.023	0.077	9.84E-12	0.031	0.015	0.034	0.003	46.352	TRUE	2.85E-06
	eQTL		rs2252937	C	T	-0.134	0.017	0.161	3.22E-15	0.016	0.012	0.180	0.005	62.116	TRUE	1.28E-09
	eQTL		rs2256974	A	C	-0.135	0.016	0.163	1.81E-16	0.037	0.009	7.32E-05	0.005	67.787	TRUE	8.86E-07
	eQTL		rs2394987	A	C	-0.124	0.018	0.127	2.10E-11	0.015	0.011	0.189	0.003	44.863	TRUE	4.87E-07
	eQTL		rs2523572	C	T	0.069	0.012	0.399	3.16E-08	-0.018	0.008	0.026	0.002	30.604	TRUE	4.09E-04

	eQTL		rs2763981	T	A	0.100	0.014	0.277	1.43E-13	-0.030	0.008	3.69E-04	0.004	54.659	TRUE	1.01E-05
	eQTL		rs2857605	C	T	0.197	0.015	0.210	2.76E-40	-0.020	0.009	0.029	0.013	176.516	TRUE	3.98E-24
	eQTL		rs3087617	T	A	0.243	0.022	0.086	2.87E-29	0.013	0.016	0.403	0.009	126.123	TRUE	8.20E-20
	eQTL		rs4713555	T	G	-0.078	0.013	0.265	4.78E-09	0.021	0.009	0.013	0.002	34.273	TRUE	3.07E-04
	eQTL		rs6922431	C	T	-0.159	0.022	0.081	8.01E-13	0.022	0.015	0.147	0.004	51.271	TRUE	1.00E-07
	eQTL		rs74434374	A	C	-0.401	0.030	0.043	3.70E-41	0.054	0.016	5.95E-04	0.013	180.508	TRUE	7.82E-22
	eQTL		rs77874906	C	G	-0.327	0.025	0.061	1.09E-38	0.040	0.013	0.002	0.012	169.199	TRUE	3.77E-21
	eQTL		rs9266075	T	G	-0.129	0.013	0.360	3.75E-24	0.008	0.008	0.312	0.008	102.764	TRUE	4.80E-16
	eQTL		rs9271731	A	G	0.143	0.017	0.224	1.22E-16	-0.035	0.009	6.38E-05	0.007	68.564	TRUE	3.68E-08
IDUA	mQTL	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	0.078	0.013	1.10E-09	0.009	32.544	TRUE	0.021
	mQTL	cg14652403	rs187658856	C	G	-0.298	0.037	0.108	1.14E-15	-0.182	0.020	1.72E-20	0.017	64.137	TRUE	0.018
	mQTL	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	0.179	0.022	1.89E-15	0.008	29.766	TRUE	0.211
	eQTL		rs112453299	G	A	0.211	0.034	0.043	5.82E-10	0.131	0.016	1.50E-15	0.004	38.376	TRUE	0.096
	eQTL		rs140633095	A	G	-0.172	0.028	0.064	1.20E-09	-0.151	0.015	2.54E-22	0.004	36.954	TRUE	0.460
	eQTL		rs142943203	T	C	-0.739	0.104	0.015	9.53E-13	-0.331	0.026	1.33E-37	0.016	50.905	TRUE	0.001
	eQTL		rs151010222	T	C	0.287	0.051	0.016	1.37E-08	0.242	0.038	2.20E-10	0.003	32.231	TRUE	0.087
	eQTL		rs3806759	A	G	0.221	0.026	0.077	1.53E-17	0.122	0.014	1.57E-18	0.007	72.665	TRUE	8.74E-04
	eQTL		rs4690336	T	C	-0.254	0.016	0.166	3.51E-58	-0.203	0.012	1.23E-66	0.018	258.533	TRUE	1.48E-05
	eQTL		rs62294519	C	T	-0.182	0.019	0.142	1.67E-21	-0.063	0.013	1.66E-06	0.008	90.683	TRUE	2.59E-09
	eQTL		rs73221138	T	C	-0.253	0.030	0.058	1.63E-17	-0.027	0.017	0.119	0.007	72.532	TRUE	1.50E-11
MAPK3	mQTL	cg00192773	rs78564187	A	G	-0.426	0.044	0.080	8.82E-22	0.232	0.017	1.78E-44	0.024	91.916	TRUE	8.34E-06
	eQTL		rs1050881	T	C	0.147	0.015	0.083	5.50E-22	0.039	0.021	0.066	0.003	92.894	TRUE	2.43E-09
	eQTL		rs11150590	T	C	-0.211	0.008	0.343	7.96E-140	-0.090	0.008	2.40E-27	0.020	633.624	TRUE	7.23E-28
	eQTL		rs112294239	T	C	-0.300	0.019	0.052	6.05E-59	-0.057	0.019	0.003	0.009	262.056	TRUE	2.06E-23
	eQTL		rs113199118	A	G	-0.134	0.024	0.032	1.79E-08	-0.051	0.020	0.010	0.001	31.708	TRUE	0.013
	eQTL		rs11648675	C	T	-0.087	0.010	0.307	5.26E-18	-0.066	0.009	3.84E-14	0.003	74.773	TRUE	0.051
	eQTL		rs117548034	G	A	-0.247	0.029	0.025	2.85E-17	-0.039	0.021	0.059	0.003	71.434	TRUE	1.17E-07
	eQTL		rs11859842	T	C	0.121	0.008	0.515	2.67E-52	0.022	0.008	0.008	0.007	231.588	TRUE	2.40E-20
	eQTL		rs12102367	T	C	0.128	0.013	0.110	2.07E-23	0.022	0.012	0.073	0.003	99.385	TRUE	1.34E-09
	eQTL		rs12935265	G	A	-0.348	0.031	0.021	1.19E-28	-0.078	0.023	8.26E-04	0.005	123.311	TRUE	1.21E-10
	eQTL		rs139053518	T	C	-0.235	0.027	0.027	6.35E-18	-0.088	0.026	6.25E-04	0.003	74.400	TRUE	1.39E-05
	eQTL		rs139148055	T	C	-0.370	0.046	0.017	4.59E-16	-0.069	0.058	0.236	0.005	65.956	TRUE	4.31E-10
	eQTL		rs141989501	C	G	0.208	0.036	0.017	6.00E-09	0.093	0.024	1.30E-04	0.001	33.833	TRUE	0.032
	eQTL		rs142097700	A	G	0.284	0.041	0.014	7.52E-12	0.147	0.023	1.32E-10	0.002	46.885	TRUE	0.138
	eQTL		rs143242484	T	C	0.466	0.023	0.040	9.64E-95	0.129	0.016	7.43E-16	0.017	426.413	TRUE	2.65E-26
	eQTL		rs146414244	T	C	-0.158	0.027	0.030	5.37E-09	-0.001	0.023	0.968	0.001	34.047	TRUE	6.85E-06
	eQTL		rs147553474	C	T	0.425	0.025	0.037	2.95E-67	0.156	0.015	2.81E-24	0.013	300.199	TRUE	1.03E-12
	eQTL		rs147785243	G	A	0.243	0.040	0.026	1.62E-09	0.022	0.020	0.275	0.003	36.383	TRUE	3.50E-06
	eQTL		rs148266117	G	A	0.218	0.034	0.026	2.26E-10	0.052	0.038	0.170	0.002	40.222	TRUE	8.38E-06
	eQTL		rs149522395	G	A	0.333	0.060	0.016	3.60E-08	-0.024	0.025	0.336	0.003	30.351	TRUE	6.99E-06
	eQTL		rs149774427	A	G	-0.335	0.039	0.017	1.13E-17	-0.077	0.029	0.008	0.004	73.261	TRUE	9.24E-08
	eQTL		rs149918713	T	C	0.252	0.045	0.021	1.64E-08	0.141	0.027	1.80E-07	0.003	31.874	TRUE	0.023

	eQTL	rs150773264	A	G	0.252	0.017	0.062	7.19E-52	0.053	0.021	0.013	0.007	229.614	TRUE	7.19E-21
	eQTL	rs17882023	C	T	-0.207	0.016	0.082	6.16E-40	-0.036	0.014	0.008	0.006	174.927	TRUE	1.85E-16
	eQTL	rs188371402	C	T	-0.357	0.034	0.021	5.71E-26	-0.110	0.022	1.07E-06	0.005	111.058	TRUE	6.28E-08
	eQTL	rs189384733	A	G	0.501	0.066	0.016	3.14E-14	0.228	0.036	1.57E-10	0.008	57.633	TRUE	1.93E-05
	eQTL	rs2003857	A	G	-0.134	0.021	0.055	1.06E-10	-0.045	0.016	0.007	0.002	41.696	TRUE	7.61E-04
	eQTL	rs235645	A	G	0.075	0.010	0.489	1.16E-13	0.024	0.008	0.005	0.003	55.081	TRUE	1.97E-05
	eQTL	rs34191640	A	G	-0.392	0.013	0.124	1.00E-200	-0.108	0.011	8.57E-24	0.033	935.740	TRUE	9.27E-60
	eQTL	rs34843513	G	A	0.318	0.024	0.034	5.58E-40	0.139	0.024	3.83E-09	0.007	175.128	TRUE	6.31E-10
	eQTL	rs35388821	G	A	-0.070	0.012	0.150	6.70E-09	-0.031	0.010	0.003	0.001	33.615	TRUE	0.015
	eQTL	rs4243233	G	A	0.065	0.008	0.445	5.81E-16	0.019	0.008	0.020	0.002	65.497	TRUE	1.50E-05
	eQTL	rs4548895	G	A	0.411	0.008	0.413	1.00E-200	0.178	0.008	2.30E-104	0.082	2537.603	TRUE	3.43E-113
	eQTL	rs4787482	T	G	-0.187	0.009	0.305	1.81E-88	-0.064	0.009	7.36E-14	0.015	397.593	TRUE	2.30E-24
	eQTL	rs55680039	G	T	-0.506	0.024	0.036	5.76E-102	-0.115	0.023	3.94E-07	0.018	459.603	TRUE	4.47E-39
	eQTL	rs56000057	C	G	0.174	0.030	0.027	7.23E-09	0.050	0.016	0.002	0.002	33.471	TRUE	0.006
	eQTL	rs56311083	A	C	-0.123	0.014	0.089	1.33E-17	-0.014	0.013	0.297	0.002	72.942	TRUE	2.11E-08
	eQTL	rs56329348	A	G	0.493	0.026	0.031	1.86E-79	0.181	0.022	1.08E-16	0.014	356.206	TRUE	2.74E-20
	eQTL	rs56353063	C	G	-0.145	0.010	0.227	2.73E-51	-0.044	0.010	8.12E-06	0.007	226.954	TRUE	1.08E-15
	eQTL	rs59650907	A	G	0.070	0.012	0.176	1.54E-09	0.030	0.010	0.005	0.001	36.478	TRUE	0.006
	eQTL	rs67693285	G	T	-0.130	0.008	0.481	5.23E-59	-0.035	0.008	1.42E-05	0.008	262.345	TRUE	7.47E-19
	eQTL	rs7190269	A	C	0.186	0.009	0.310	8.40E-103	0.033	0.008	7.41E-05	0.015	463.455	TRUE	9.46E-39
	eQTL	rs7205394	A	C	-0.186	0.013	0.363	2.40E-49	-0.130	0.019	3.59E-12	0.016	218.020	TRUE	5.01E-19
	eQTL	rs72791208	T	C	0.418	0.027	0.027	1.39E-53	0.150	0.018	3.43E-16	0.009	237.462	TRUE	1.51E-10
	eQTL	rs72791268	A	G	-0.417	0.049	0.013	1.00E-17	-0.023	0.026	0.377	0.004	73.499	TRUE	4.37E-11
	eQTL	rs72798125	T	C	0.209	0.022	0.048	7.62E-22	0.066	0.016	3.34E-05	0.004	92.248	TRUE	1.20E-06
	eQTL	rs77250249	A	G	0.351	0.052	0.015	2.05E-11	0.208	0.053	9.15E-05	0.004	44.915	TRUE	1.62E-04
	eQTL	rs77871165	C	T	0.457	0.032	0.020	1.33E-46	0.076	0.041	0.063	0.008	205.467	TRUE	7.13E-23
	eQTL	rs80273739	G	A	-0.404	0.026	0.030	3.44E-56	-0.048	0.019	0.012	0.009	249.419	TRUE	5.14E-25
	eQTL	rs8047140	T	C	0.149	0.012	0.145	3.13E-36	0.059	0.013	1.07E-05	0.005	157.969	TRUE	1.57E-10
	eQTL	rs9796793	A	G	0.284	0.016	0.073	1.15E-68	0.098	0.018	6.92E-08	0.011	306.666	TRUE	1.44E-21
SFRP1	mQTL	cg00000321	rs72643819	T	G	-0.149	0.026	0.382	1.33E-08	-0.018	0.008	0.029	0.009	32.269	TRUE	3.12E-06
	mQTL	cg01074584	rs921142	C	T	-0.162	0.026	0.388	5.29E-10	-0.017	0.008	0.043	0.010	38.546	TRUE	1.88E-07
	mQTL	cg07935886	rs72643819	T	G	-0.179	0.026	0.382	7.44E-12	-0.018	0.008	0.029	0.013	46.881	TRUE	8.38E-09
	mQTL	cg14824386	rs968427	C	T	-0.163	0.026	0.437	2.11E-10	-0.018	0.008	0.028	0.011	40.338	TRUE	1.23E-07
	eQTL		rs13268057	A	G	-0.069	0.009	0.331	1.93E-15	-0.031	0.009	4.01E-04	0.002	63.135	TRUE	8.17E-04

MR, Mendelian randomization; PCD, programmed cell death; QTL, quantitative trait loci; SNP, single nucleotide polymorphsim

Table S18. SMR analysis of associations between PCD-related gene methylation and COPD*

Outcome	Gene	probeID	topSNP	Beta	SE	OR (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
Overall COPD	GSDMB	cg10057218	rs7224129	-0.074	0.015	0.93 (0.90, 0.96)	7.19E-07	8.51E-04	0.132	20
Overall COPD	ITPRIP	cg27365978	rs17754543	-0.070	0.014	0.93 (0.91, 0.96)	6.06E-07	8.51E-04	0.517	20
Overall COPD	ORMDL3	cg10909506	rs4065275	-0.044	0.009	0.96 (0.94, 0.97)	1.16E-06	9.79E-04	0.422	20
Overall COPD	ORMDL3	cg18711369	rs4065275	-0.043	0.009	0.96 (0.94, 0.97)	1.14E-06	9.79E-04	0.561	20
Overall COPD	ITPRIP	cg22882506	rs7095770	-0.091	0.019	0.91 (0.88, 0.95)	2.27E-06	0.001	0.394	20
Overall COPD	ITPRIP	cg02682924	rs17754543	0.121	0.026	1.13 (1.07, 1.19)	2.31E-06	0.001	0.725	20
Overall COPD	GSDMB	cg27435903	rs2305479	0.090	0.019	1.09 (1.05, 1.14)	3.15E-06	0.002	0.259	20
Overall COPD	ITPRIP	cg11276172	rs276216	0.152	0.032	1.16 (1.09, 1.24)	2.91E-06	0.002	0.482	20
Overall COPD	GPX1	cg07274523	rs6446277	-0.083	0.018	0.92 (0.89, 0.95)	3.42E-06	0.002	0.016	20
Overall COPD	ORMDL3	cg22144450	rs56380902	-0.067	0.015	0.94 (0.91, 0.96)	5.62E-06	0.002	0.240	20
Overall COPD	ITPRIP	cg25552843	rs276216	0.178	0.040	1.20 (1.11, 1.29)	6.65E-06	0.002	0.341	20
Overall COPD	ITPRIP	cg24168991	rs34970111	0.033	0.008	1.03 (1.02, 1.05)	1.26E-05	0.004	0.038	20
Overall COPD	ITPRIP	cg24199006	rs11192008	-0.190	0.044	0.83 (0.76, 0.90)	1.34E-05	0.004	0.651	20
Overall COPD	ORMDL3	cg19511844	rs8067378	0.112	0.026	1.12 (1.06, 1.18)	1.18E-05	0.004	0.025	20
Overall COPD	ORMDL3	cg12655416	rs12939457	-0.065	0.015	0.94 (0.91, 0.97)	1.84E-05	0.005	0.277	20
Overall COPD	GSDMA	cg24910161	rs55739615	-0.034	0.008	0.97 (0.95, 0.98)	2.19E-05	0.005	0.016	20
Overall COPD	GSDMA	cg26162295	rs55739615	-0.036	0.009	0.96 (0.95, 0.98)	2.23E-05	0.005	0.030	20
Overall COPD	ATP2A1	cg04414917	rs12928404	-0.071	0.017	0.93 (0.90, 0.96)	4.57E-05	0.011	0.263	20
Overall COPD	STX4	cg07404961	rs35961830	0.085	0.022	1.09 (1.04, 1.14)	8.71E-05	0.018	0.029	20
Overall COPD	ITPRIP	cg19640166	rs11192020	0.277	0.072	1.32 (1.15, 1.52)	1.27E-04	0.024	0.314	20
Overall COPD	STX4	cg08893833	rs729482	-0.168	0.044	0.85 (0.78, 0.92)	1.37E-04	0.025	0.032	20
Overall COPD	STX4	cg06233904	rs58726213	-0.115	0.031	0.89 (0.84, 0.95)	1.70E-04	0.030	0.030	20
Overall COPD	CDC42	cg11572548	rs11577378	-0.085	0.023	0.92 (0.88, 0.96)	1.81E-04	0.030	0.373	20
Overall COPD	FBXO31;MAP1LC3B	cg06750038	rs11117269	-0.050	0.013	0.95 (0.93, 0.98)	2.14E-04	0.033	0.638	20
Overall COPD	LEPR	cg14199090	rs1751485	0.093	0.025	1.10 (1.04, 1.15)	2.13E-04	0.033	0.169	20
Overall COPD	CDC42	cg23987736	rs12740705	-0.095	0.026	0.91 (0.86, 0.96)	2.26E-04	0.033	0.041	20
Overall COPD	NCK1	cg09847234	rs9863551	-0.107	0.029	0.90 (0.85, 0.95)	2.37E-04	0.034	0.814	20
Overall COPD	CSF2	cg16565692	rs3864277	-0.114	0.031	0.89 (0.84, 0.95)	2.69E-04	0.038	0.023	20
Overall COPD	ATP2A1	cg05966235	rs8056890	0.032	0.009	1.03 (1.01, 1.05)	3.97E-04	0.051	0.054	20
Overall COPD	GSDMA	cg08995595	rs12603481	-0.130	0.037	0.88 (0.82, 0.94)	4.79E-04	0.059	0.012	20
Overall COPD	NUPR1	cg01542023	rs11074911	-0.061	0.017	0.94 (0.91, 0.97)	4.97E-04	0.060	0.031	20
Overall COPD	GSDMA	cg10794714	rs4239225	-0.156	0.045	0.86 (0.78, 0.93)	5.48E-04	0.062	0.146	20
Overall COPD	ATP2A1	cg08213689	rs12928404	0.202	0.059	1.22 (1.09, 1.38)	6.51E-04	0.070	0.603	20
Overall COPD	PPP1CA	cg12939085	rs2255990	-0.072	0.021	0.93 (0.89, 0.97)	7.01E-04	0.074	0.219	20
Overall COPD	SGMS1	cg20014988	rs4935736	0.067	0.020	1.07 (1.03, 1.11)	7.22E-04	0.075	0.696	20
Overall COPD	IFI27L2	cg19511435	rs2273514	0.029	0.009	1.03 (1.01, 1.05)	8.60E-04	0.086	0.058	20
Overall COPD	GSDMB	cg12360886	rs2941519	-0.219	0.067	0.80 (0.71, 0.92)	0.001	0.095	0.100	20
Overall COPD	BLK	cg04335815	rs36048422	-0.107	0.033	0.90 (0.84, 0.96)	0.001	0.107	0.536	20
Overall COPD	GAB2	cg13319772	rs901105	-0.135	0.043	0.87 (0.80, 0.95)	0.001	0.130	0.631	20
Overall COPD	DYRK2	cg19817165	rs2700075	-0.106	0.033	0.90 (0.84, 0.96)	0.002	0.131	0.017	20

Overall COPD	BLK	cg24861686	rs34190028	-0.069	0.022	0.93 (0.89, 0.97)	0.002	0.143	0.222	20
Overall COPD	WNT4	cg17022577	rs56408422	0.093	0.030	1.10 (1.04, 1.16)	0.002	0.143	0.037	20
Overall COPD	DYRK2	cg09135343	rs2700075	-0.117	0.037	0.89 (0.83, 0.96)	0.002	0.144	0.022	20
Overall COPD	RAB7A	cg26867765	rs9853930	-0.085	0.027	0.92 (0.87, 0.97)	0.002	0.146	0.291	20
Overall COPD	DEDD	cg15516558	rs10732962	-0.040	0.013	0.96 (0.94, 0.99)	0.002	0.157	0.312	20
Overall COPD	MAP1LC3B;FBXO31	cg23636419	rs750957	-0.180	0.059	0.83 (0.74, 0.94)	0.002	0.157	0.975	20
Overall COPD	ATP2A1	cg27473355	rs62037414	0.163	0.053	1.18 (1.06, 1.31)	0.002	0.157	0.311	20
Overall COPD	NUPR1	cg05590982	rs149278	0.152	0.049	1.16 (1.06, 1.28)	0.002	0.157	0.462	20
Overall COPD	ARSB	cg27361227	rs62377505	-0.128	0.042	0.88 (0.81, 0.96)	0.002	0.157	0.089	20
Overall COPD	WNT4	cg12098183	rs56408422	0.134	0.044	1.14 (1.05, 1.25)	0.002	0.157	0.032	20
Overall COPD	LIPA	cg17741809	rs2297475	-0.039	0.013	0.96 (0.94, 0.99)	0.002	0.163	0.627	20
Overall COPD	MTMR9	cg06240162	rs3808502	0.169	0.056	1.18 (1.06, 1.32)	0.003	0.175	0.691	20
Overall COPD	PPP1R13B	cg18137598	rs17292804	-0.026	0.009	0.97 (0.96, 0.99)	0.003	0.178	0.153	20
Overall COPD	IDUA	cg08160350	rs73066479	-0.067	0.022	0.94 (0.89, 0.98)	0.003	0.179	0.287	20
Overall COPD	DNM1L	cg24786579	rs147515673	0.109	0.036	1.11 (1.04, 1.20)	0.003	0.179	0.049	9
Overall COPD	IL12A	cg20515136	rs9868698	0.188	0.063	1.21 (1.07, 1.37)	0.003	0.181	0.088	15
Overall COPD	GAB2	cg26672202	rs1385600	0.030	0.010	1.03 (1.01, 1.05)	0.003	0.191	0.037	20
Overall COPD	TOP3A;SMCR8	cg23045404	rs2605142	0.174	0.059	1.19 (1.06, 1.34)	0.003	0.200	0.426	15
Overall COPD	IDUA	cg00187933	rs73066479	-0.088	0.030	0.92 (0.86, 0.97)	0.003	0.201	0.626	20
Overall COPD	GSK3B	cg14479617	rs2037547	-0.043	0.015	0.96 (0.93, 0.99)	0.004	0.205	0.339	20
Overall COPD	NAPSA	cg08194323	rs638294	-0.123	0.042	0.88 (0.81, 0.96)	0.004	0.206	0.763	20
Overall COPD	IDUA	cg08332990	rs73066479	-0.097	0.033	0.91 (0.85, 0.97)	0.004	0.212	0.444	20
Overall COPD	HSPA1B	cg24239961	rs2763979	0.033	0.012	1.03 (1.01, 1.06)	0.004	0.222	0.050	20
Overall COPD	HSPA1B	cg04835051	rs2763979	0.059	0.021	1.06 (1.02, 1.11)	0.005	0.228	0.185	20
Overall COPD	HSPA1B	cg16372051	rs2763979	0.055	0.020	1.06 (1.02, 1.10)	0.005	0.228	0.115	20
Overall COPD	WAC	cg04045419	rs6481534	0.034	0.012	1.03 (1.01, 1.06)	0.005	0.228	0.773	20
Overall COPD	GAB2	cg25502267	rs2510031	-0.115	0.041	0.89 (0.82, 0.97)	0.005	0.228	0.217	20
Overall COPD	BID	cg01388022	rs5747339	-0.097	0.035	0.91 (0.85, 0.97)	0.005	0.235	0.062	20
Overall COPD	AP4S1	cg15911493	rs61976849	0.109	0.039	1.11 (1.03, 1.20)	0.006	0.244	0.108	20
Overall COPD	RHOT2;WDR90	cg07375207	rs4984909	-0.076	0.027	0.93 (0.88, 0.98)	0.005	0.244	0.066	20
Overall COPD	FBXW7	cg11089117	rs74815289	0.036	0.013	1.04 (1.01, 1.06)	0.006	0.244	0.832	8
Overall COPD	CLEC16A	cg27227804	rs7403919	-0.072	0.026	0.93 (0.88, 0.98)	0.006	0.258	0.253	20
Overall COPD	BLK	cg21701351	rs4841548	-0.022	0.008	0.98 (0.96, 0.99)	0.007	0.282	0.018	20
Overall COPD	RHOT2;WDR90	cg00904273	rs3743909	0.121	0.045	1.13 (1.03, 1.23)	0.007	0.289	0.933	20
Overall COPD	CSF2	cg16465129	rs3916443	-0.095	0.035	0.91 (0.85, 0.97)	0.007	0.301	0.126	20
Overall COPD	CD3E	cg08956138	rs28423005	-0.071	0.027	0.93 (0.88, 0.98)	0.008	0.308	0.542	18
Overall COPD	TGFB2	cg01558923	rs11581605	0.073	0.028	1.08 (1.02, 1.14)	0.008	0.309	0.061	15
Overall COPD	BAG3	cg10673740	rs188789342	-0.081	0.031	0.92 (0.87, 0.98)	0.008	0.316	0.069	6
Overall COPD	HRAS	cg12989344	rs12628	-0.051	0.019	0.95 (0.92, 0.99)	0.008	0.321	0.716	20
Overall COPD	PPT2	cg04856022	rs3117578	0.052	0.020	1.05 (1.01, 1.10)	0.009	0.322	0.273	20
Overall COPD	PPT2	cg03434432	rs3130071	0.026	0.010	1.03 (1.01, 1.05)	0.009	0.322	0.110	20
Overall COPD	PPT2	cg06832687	rs3117578	0.059	0.023	1.06 (1.01, 1.11)	0.009	0.322	0.257	20

Overall COPD	GFAP	cg20911989	rs8069039	-0.047	0.018	0.95 (0.92, 0.99)	0.009	0.322	0.133	20
Overall COPD	SPTLC2	cg23187727	rs112063190	0.072	0.028	1.08 (1.02, 1.13)	0.009	0.322	0.479	20
Overall COPD	FADS2	cg19610905	rs174553	0.019	0.007	1.02 (1.00, 1.03)	0.009	0.322	0.848	20
Overall COPD	WAC	cg05797732	rs12783032	-0.124	0.047	0.88 (0.81, 0.97)	0.009	0.322	0.771	20
Overall COPD	VPS4A	cg03174963	rs877534	0.120	0.045	1.13 (1.03, 1.23)	0.008	0.322	0.463	20
Overall COPD	TGFB2	cg27508144	rs1418555	0.075	0.029	1.08 (1.02, 1.14)	0.008	0.322	0.033	14
Overall COPD	CLEC16A	cg10390979	rs34306440	0.074	0.028	1.08 (1.02, 1.14)	0.009	0.322	0.557	20
Overall COPD	GFAP	cg23016243	rs8069039	0.053	0.020	1.05 (1.01, 1.10)	0.009	0.324	0.536	20
Overall COPD	SNX4	cg12083990	rs28583173	0.098	0.038	1.10 (1.02, 1.19)	0.009	0.324	0.987	20
Overall COPD	FADS2	cg11250194	rs174544	0.022	0.008	1.02 (1.01, 1.04)	0.010	0.332	0.983	20
Overall COPD	PPT2	cg24509300	rs3117578	0.072	0.028	1.07 (1.02, 1.13)	0.010	0.332	0.210	20
Overall COPD	NPC1	cg06830800	rs1652358	-0.051	0.020	0.95 (0.91, 0.99)	0.010	0.335	0.285	20
Overall COPD	RAB7A	cg15033153	rs1466572	-0.030	0.012	0.97 (0.95, 0.99)	0.010	0.335	0.015	20
Overall COPD	TGFB2	cg17934824	rs17047703	0.093	0.036	1.10 (1.02, 1.18)	0.010	0.335	0.066	14
Overall COPD	PPT2	cg04877280	rs3117578	0.094	0.037	1.10 (1.02, 1.18)	0.011	0.335	0.151	20
Overall COPD	MIR210	cg08200293	rs12280851	0.055	0.021	1.06 (1.01, 1.10)	0.011	0.335	0.569	20
Overall COPD	TNF	cg21222743	rs2857600	0.123	0.048	1.13 (1.03, 1.24)	0.011	0.335	0.027	20
Overall COPD	TMEM161A	cg19262631	rs10414676	-0.154	0.060	0.86 (0.76, 0.96)	0.010	0.335	0.019	18
Overall COPD	NDUFA13;TSSK6	cg03233793	rs77427798	0.070	0.027	1.07 (1.02, 1.13)	0.011	0.335	0.716	20
Overall COPD	PPT2	cg21241317	rs3117578	0.088	0.034	1.09 (1.02, 1.17)	0.010	0.335	0.164	20
Overall COPD	BCL3	cg16094954	rs2965169	0.022	0.009	1.02 (1.00, 1.04)	0.012	0.342	0.411	20
Overall COPD	ATP6V0A2	cg06735598	rs6488897	0.020	0.008	1.02 (1.00, 1.04)	0.012	0.342	0.086	20
Overall COPD	ERCC4	cg03927470	rs3136038	-0.034	0.014	0.97 (0.94, 0.99)	0.012	0.342	0.410	20
Overall COPD	EIF2AK4	cg06753055	rs74701095	-0.020	0.008	0.98 (0.96, 1.00)	0.012	0.342	0.617	20
Overall COPD	GFAP	cg16343401	rs8067029	-0.035	0.014	0.97 (0.94, 0.99)	0.012	0.342	0.413	20
Overall COPD	ATP13A2	cg22045253	rs56047197	-0.036	0.014	0.96 (0.94, 0.99)	0.012	0.342	0.871	20
Overall COPD	PPT2	cg00086577	rs1046080	0.039	0.015	1.04 (1.01, 1.07)	0.012	0.342	0.297	20
Overall COPD	PPT2;PRRT1	cg23359665	rs3130071	-0.096	0.038	0.91 (0.84, 0.98)	0.012	0.342	0.203	20
Overall COPD	PPT2;PRRT1	cg02956248	rs3130071	-0.097	0.039	0.91 (0.84, 0.98)	0.012	0.342	0.080	20
Overall COPD	PPT2;PRRT1	cg06108383	rs3130071	-0.098	0.039	0.91 (0.84, 0.98)	0.012	0.342	0.053	20
Overall COPD	CD164	cg09416154	rs36099706	-0.079	0.032	0.92 (0.87, 0.98)	0.013	0.342	0.561	20
Overall COPD	NDUFA13;TSSK6	cg07624705	rs6511031	0.049	0.019	1.05 (1.01, 1.09)	0.011	0.342	0.475	20
Overall COPD	KDM4A	cg20942219	rs3791033	0.087	0.034	1.09 (1.02, 1.17)	0.011	0.342	0.377	20
Overall COPD	ACER2	cg14628274	rs10964137	0.096	0.038	1.10 (1.02, 1.19)	0.012	0.342	0.015	20
Overall COPD	PPT2;PRRT1	cg17113856	rs3130071	-0.092	0.037	0.91 (0.85, 0.98)	0.012	0.342	0.151	20
Overall COPD	ATP6V0A2	cg21179092	rs7313261	-0.075	0.030	0.93 (0.88, 0.98)	0.013	0.342	0.274	20
Overall COPD	NDUFA13;TSSK6	cg08331981	rs6511031	0.067	0.027	1.07 (1.01, 1.13)	0.012	0.342	0.527	20
Overall COPD	NAPSA	cg25286393	rs12972221	-0.066	0.026	0.94 (0.89, 0.99)	0.012	0.342	0.453	20
Overall COPD	BID	cg26427090	rs444102	-0.082	0.033	0.92 (0.86, 0.98)	0.013	0.342	0.668	20
Overall COPD	ITPR1	cg09654471	rs73102493	0.022	0.009	1.02 (1.00, 1.04)	0.013	0.343	0.745	20
Overall COPD	SERPINE1	cg17968347	rs1050955	0.070	0.028	1.07 (1.02, 1.13)	0.013	0.343	0.493	20
Overall COPD	GSTP1	cg11566244	rs4930436	-0.023	0.009	0.98 (0.96, 1.00)	0.013	0.344	0.561	20

Overall COPD	ATP6V0A2	cg02460419	rs7297576	-0.026	0.010	0.97 (0.96, 0.99)	0.013	0.344	0.093	20
Overall COPD	UACA	cg09345916	rs116529282	-0.148	0.060	0.86 (0.77, 0.97)	0.013	0.344	0.375	12
Overall COPD	FADS2	cg07005513	rs174544	0.091	0.037	1.10 (1.02, 1.18)	0.013	0.348	0.980	20
Overall COPD	GSTP1	cg09038676	rs4930436	-0.034	0.014	0.97 (0.94, 0.99)	0.014	0.349	0.505	20
Overall COPD	PPT2;PRRT1	cg13934406	rs3117578	-0.127	0.052	0.88 (0.80, 0.97)	0.014	0.349	0.033	20
Overall COPD	FADS2	cg07591205	rs174544	-0.095	0.038	0.91 (0.84, 0.98)	0.014	0.349	0.983	20
Overall COPD	MYH9	cg23015219	rs115456990	0.045	0.018	1.05 (1.01, 1.08)	0.014	0.349	0.508	20
Overall COPD	EYA4	cg17985029	rs1338009	-0.025	0.010	0.98 (0.96, 1.00)	0.014	0.349	0.021	20
Overall COPD	CASP9	cg14078231	rs4645983	-0.034	0.014	0.97 (0.94, 0.99)	0.014	0.352	0.538	20
Overall COPD	STAT5B	cg19465320	rs9889323	-0.081	0.033	0.92 (0.86, 0.98)	0.014	0.352	0.498	20
Overall COPD	TNF	cg10717214	rs3117578	0.131	0.054	1.14 (1.03, 1.27)	0.015	0.352	0.022	20
Overall COPD	SHISA5	cg14494596	rs11713251	0.073	0.030	1.08 (1.01, 1.14)	0.014	0.352	0.857	5
Overall COPD	BMF	cg02313495	rs8024033	0.016	0.006	1.02 (1.00, 1.03)	0.015	0.352	0.555	19
Overall COPD	PPT2;PRRT1	cg06025456	rs3117578	-0.135	0.055	0.87 (0.78, 0.97)	0.015	0.352	0.087	20
Overall COPD	GSTP1	cg06928838	rs4930436	-0.055	0.023	0.95 (0.90, 0.99)	0.015	0.352	0.508	20
Overall COPD	PPT2	cg03995156	rs1475865	0.058	0.024	1.06 (1.01, 1.11)	0.015	0.353	0.369	20
Overall COPD	PPT2	cg27070869	rs3117578	0.138	0.057	1.15 (1.03, 1.28)	0.015	0.353	0.255	20
Overall COPD	SLC30A2	cg01689405	rs1317709	0.076	0.031	1.08 (1.01, 1.15)	0.015	0.353	0.108	20
Overall COPD	GATA4	cg13293535	rs35928010	-0.033	0.014	0.97 (0.94, 0.99)	0.017	0.353	0.034	20
Overall COPD	IL13	cg04303330	rs1881457	-0.039	0.016	0.96 (0.93, 0.99)	0.018	0.353	0.017	20
Overall COPD	HRAS	cg08141873	rs12785860	-0.035	0.014	0.97 (0.94, 0.99)	0.016	0.353	0.916	20
Overall COPD	KIF25	cg21477075	rs957382	0.036	0.015	1.04 (1.01, 1.07)	0.017	0.353	0.121	20
Overall COPD	SLC30A3	cg23587288	rs11126929	0.040	0.017	1.04 (1.01, 1.08)	0.015	0.353	0.129	20
Overall COPD	RPTOR	cg09592546	rs80183474	-0.017	0.007	0.98 (0.97, 1.00)	0.018	0.353	0.522	20
Overall COPD	E2F2	cg11526198	rs11591199	0.056	0.023	1.06 (1.01, 1.11)	0.017	0.353	0.175	20
Overall COPD	ARSB	cg10864794	rs56307340	-0.032	0.013	0.97 (0.94, 0.99)	0.015	0.353	0.074	20
Overall COPD	PPT2;PRRT1	cg10551329	rs3117578	-0.145	0.061	0.86 (0.77, 0.97)	0.016	0.353	0.020	20
Overall COPD	LEPR	cg23688719	rs1475398	0.056	0.024	1.06 (1.01, 1.11)	0.017	0.353	0.042	20
Overall COPD	GAB2	cg12700464	rs202186505	-0.211	0.087	0.81 (0.68, 0.96)	0.016	0.353	0.337	20
Overall COPD	GAB2	cg13226797	rs12574044	-0.109	0.045	0.90 (0.82, 0.98)	0.016	0.353	0.026	20
Overall COPD	VDAC3	cg17910564	rs7004637	-0.126	0.052	0.88 (0.80, 0.98)	0.016	0.353	0.285	18
Overall COPD	E2F2	cg24254937	rs11591199	0.070	0.030	1.07 (1.01, 1.14)	0.018	0.353	0.130	20
Overall COPD	PIP4K2B	cg27142680	rs228251	0.103	0.043	1.11 (1.02, 1.20)	0.015	0.353	0.170	20
Overall COPD	GFAP	cg10855825	rs8067029	-0.104	0.043	0.90 (0.83, 0.98)	0.017	0.353	0.168	20
Overall COPD	GFAP	cg02407342	rs8067029	-0.105	0.044	0.90 (0.83, 0.98)	0.017	0.353	0.074	20
Overall COPD	MUC1	cg22531371	rs12411216	0.115	0.049	1.12 (1.02, 1.23)	0.018	0.353	0.135	20
Overall COPD	SKIL	cg14612335	rs57508070	0.101	0.042	1.11 (1.02, 1.20)	0.017	0.353	0.594	20
Overall COPD	NOD2	cg26954174	rs7202124	-0.083	0.034	0.92 (0.86, 0.98)	0.016	0.353	0.100	20
Overall COPD	MYH9	cg10662871	rs115456990	0.076	0.032	1.08 (1.01, 1.15)	0.016	0.353	0.406	20
Overall COPD	EYA4	cg21296676	rs9389054	-0.074	0.031	0.93 (0.87, 0.99)	0.017	0.353	0.067	20
Overall COPD	EYA4	cg13912545	rs1338009	-0.072	0.030	0.93 (0.88, 0.99)	0.017	0.353	0.042	20
Overall COPD	CD164	cg08222271	rs6920962	-0.063	0.026	0.94 (0.89, 0.99)	0.017	0.353	0.142	20

Overall COPD	EIF2AK4	cg02712587	rs114325441	0.074	0.031	1.08 (1.01, 1.14)	0.018	0.353	0.849	20
Overall COPD	CHAD;ACSF2	cg15880760	rs2277631	-0.071	0.030	0.93 (0.88, 0.99)	0.018	0.353	0.068	20
Overall COPD	GATA4	cg26020513	rs13270069	0.068	0.029	1.07 (1.01, 1.13)	0.018	0.353	0.122	20
Overall COPD	CHAD;ACSF2	cg22627841	rs2277631	-0.066	0.028	0.94 (0.89, 0.99)	0.018	0.353	0.061	20
Overall COPD	PERP	cg24555822	rs9494937	0.066	0.028	1.07 (1.01, 1.13)	0.018	0.354	0.276	20
Overall COPD	FADS2	cg06781209	rs968567	0.020	0.009	1.02 (1.00, 1.04)	0.019	0.354	0.790	20
Overall COPD	FADS2	cg01400685	rs968567	0.023	0.010	1.02 (1.00, 1.04)	0.019	0.354	0.872	20
Overall COPD	FADS2	cg21709803	rs968567	0.022	0.010	1.02 (1.00, 1.04)	0.019	0.354	0.756	20
Overall COPD	FADS2	cg25324164	rs968567	0.022	0.009	1.02 (1.00, 1.04)	0.019	0.354	0.368	20
Overall COPD	FADS2	cg00603274	rs968567	0.022	0.009	1.02 (1.00, 1.04)	0.019	0.354	0.847	20
Overall COPD	SH3RF1	cg07082484	rs10024401	-0.019	0.008	0.98 (0.97, 1.00)	0.020	0.358	0.468	20
Overall COPD	PERP	cg06595927	rs9494941	0.026	0.011	1.03 (1.00, 1.05)	0.020	0.358	0.548	20
Overall COPD	RPS27L	cg26210447	rs1126308	0.035	0.015	1.04 (1.01, 1.07)	0.020	0.358	0.020	20
Overall COPD	CD3E	cg27354586	rs1599810	-0.023	0.010	0.98 (0.96, 1.00)	0.019	0.358	0.133	20
Overall COPD	CASP9	cg05660106	rs59513462	-0.014	0.006	0.99 (0.97, 1.00)	0.019	0.358	0.474	20
Overall COPD	WDR35	cg22939193	rs16987211	-0.121	0.052	0.89 (0.80, 0.98)	0.020	0.358	0.471	12
Overall COPD	DDIT4	cg20897136	rs4746110	-0.117	0.050	0.89 (0.81, 0.98)	0.020	0.358	0.475	20
Overall COPD	STAT5A	cg05117208	rs62076928	0.047	0.020	1.05 (1.01, 1.09)	0.019	0.358	0.493	20
Overall COPD	CLEC16A	cg01238858	rs7203150	0.098	0.042	1.10 (1.02, 1.20)	0.019	0.358	0.065	20
Overall COPD	VPS4A	cg26468152	rs13339524	-0.090	0.038	0.91 (0.85, 0.99)	0.019	0.358	0.643	20
Overall COPD	ACSF2;CHAD	cg06958829	rs2277629	-0.083	0.035	0.92 (0.86, 0.99)	0.019	0.358	0.143	20
Overall COPD	STAT5B	cg18810026	rs62076928	0.057	0.024	1.06 (1.01, 1.11)	0.020	0.358	0.443	20
Overall COPD	NEDD4	cg02198044	rs1509408	-0.064	0.028	0.94 (0.89, 0.99)	0.020	0.359	0.024	20
Overall COPD	PPT2	cg08295094	rs3130348	-0.032	0.014	0.97 (0.94, 1.00)	0.021	0.365	0.058	20
Overall COPD	DDIT4	cg10592592	rs4746110	-0.123	0.053	0.88 (0.80, 0.98)	0.021	0.365	0.443	18
Overall COPD	EYA4	cg21390624	rs1338009	-0.096	0.042	0.91 (0.84, 0.99)	0.021	0.365	0.035	20
Overall COPD	DCC	cg25602457	rs13381479	-0.049	0.021	0.95 (0.91, 0.99)	0.020	0.365	0.669	20
Overall COPD	SH3RF1	cg12257055	rs10024401	-0.044	0.019	0.96 (0.92, 0.99)	0.021	0.365	0.430	20
Overall COPD	MMP9	cg09149648	rs6094239	-0.102	0.044	0.90 (0.83, 0.98)	0.021	0.365	0.320	6
Overall COPD	ACSF2;CHAD	cg17890928	rs2277629	-0.096	0.042	0.91 (0.84, 0.99)	0.021	0.365	0.222	19
Overall COPD	FADS2	cg14911132	rs61897793	0.041	0.018	1.04 (1.01, 1.08)	0.021	0.366	0.916	20
Overall COPD	NFKBIA	cg16518861	rs72666636	-0.019	0.008	0.98 (0.97, 1.00)	0.022	0.370	0.243	20
Overall COPD	NFKBIA	cg04545963	rs72666636	-0.022	0.010	0.98 (0.96, 1.00)	0.022	0.370	0.246	20
Overall COPD	NFKBIA	cg00689225	rs72666636	-0.020	0.009	0.98 (0.96, 1.00)	0.022	0.370	0.280	20
Overall COPD	SHISA5	cg07378590	rs11713251	0.144	0.063	1.15 (1.02, 1.31)	0.022	0.370	0.691	3
Overall COPD	ACSF2	cg14767768	rs9896780	0.109	0.047	1.11 (1.02, 1.22)	0.022	0.370	0.139	14
Overall COPD	MAPK9	cg03605361	rs17628029	-0.105	0.046	0.90 (0.82, 0.98)	0.022	0.370	0.977	20
Overall COPD	ACSF2;CHAD	cg25792518	rs35269615	-0.102	0.045	0.90 (0.83, 0.99)	0.022	0.370	0.148	16
Overall COPD	ERCC4	cg24091698	rs3136085	-0.097	0.042	0.91 (0.84, 0.99)	0.022	0.370	0.309	20
Overall COPD	GATA4	cg04880278	rs35928010	-0.081	0.035	0.92 (0.86, 0.99)	0.022	0.370	0.068	20
Overall COPD	MUC1	cg22500132	rs914615	0.082	0.036	1.09 (1.01, 1.16)	0.022	0.370	0.200	20
Overall COPD	ERBB3	cg00907267	rs7955865	-0.101	0.044	0.90 (0.83, 0.99)	0.023	0.370	0.057	20

Overall COPD	CUL4A	cg10914120	rs9549361	0.078	0.034	1.08 (1.01, 1.16)	0.022	0.370	0.060	17
Overall COPD	STAT5A	cg03001305	rs34129849	-0.081	0.035	0.92 (0.86, 0.99)	0.022	0.370	0.649	20
Overall COPD	VPS4A	cg26979197	rs12708897	-0.053	0.023	0.95 (0.91, 0.99)	0.022	0.370	0.752	20
Overall COPD	RPTOR	cg22386583	rs2340773	0.034	0.015	1.03 (1.00, 1.07)	0.023	0.373	0.783	20
Overall COPD	STAT5A	cg06357561	rs34129849	-0.086	0.038	0.92 (0.85, 0.99)	0.023	0.373	0.491	20
Overall COPD	IL13	cg13566430	rs7700346	-0.044	0.019	0.96 (0.92, 0.99)	0.023	0.376	0.015	20
Overall COPD	SIVA1	cg19495714	rs8006580	-0.047	0.021	0.95 (0.92, 0.99)	0.024	0.376	0.969	20
Overall COPD	WNT4	cg02839875	rs6672792	-0.115	0.051	0.89 (0.81, 0.98)	0.024	0.377	0.099	20
Overall COPD	CHAD;ACSF2	cg13764778	rs9896780	-0.119	0.052	0.89 (0.80, 0.98)	0.024	0.377	0.040	14
Overall COPD	CUL4A	cg17689702	rs9549715	0.074	0.033	1.08 (1.01, 1.15)	0.024	0.377	0.238	20
Overall COPD	LGALS8	cg08137948	rs2853594	-0.041	0.018	0.96 (0.93, 0.99)	0.024	0.378	0.557	20
Overall COPD	STAT5A	cg20388732	rs11079041	0.062	0.027	1.06 (1.01, 1.12)	0.024	0.378	0.462	20
Overall COPD	PRKAA1	cg13345558	rs193864	0.077	0.034	1.08 (1.01, 1.16)	0.024	0.378	0.675	20
Overall COPD	DCC	cg25818763	rs8083215	0.090	0.040	1.09 (1.01, 1.18)	0.024	0.378	0.761	20
Overall COPD	TRAF1	cg14392772	rs10985070	0.072	0.032	1.07 (1.01, 1.14)	0.024	0.379	0.567	20
Overall COPD	PPT2;PRRT1	cg06814287	rs3130284	-0.077	0.034	0.93 (0.87, 0.99)	0.025	0.382	0.201	20
Overall COPD	IDUA;SLC26A1	cg21628539	rs6829197	0.101	0.045	1.11 (1.01, 1.21)	0.025	0.382	0.498	20
Overall COPD	BNIP3	cg21762589	rs3737058	-0.091	0.040	0.91 (0.84, 0.99)	0.025	0.382	0.054	15
Overall COPD	RPS27L	cg02713581	rs7162825	0.056	0.025	1.06 (1.01, 1.11)	0.025	0.383	0.031	20
Overall COPD	ABL2	cg18433086	rs2011265	0.099	0.044	1.10 (1.01, 1.21)	0.025	0.384	0.406	20
Overall COPD	ASAH1	cg06891716	rs113060216	-0.094	0.042	0.91 (0.84, 0.99)	0.026	0.384	0.600	11
Overall COPD	PPT2;PRRT1	cg20328456	rs3130348	-0.095	0.042	0.91 (0.84, 0.99)	0.026	0.385	0.079	20
Overall COPD	FADS2	cg16576620	rs968567	0.107	0.048	1.11 (1.01, 1.22)	0.026	0.385	0.932	20
Overall COPD	CUL4A	cg14896830	rs35306827	0.091	0.041	1.10 (1.01, 1.19)	0.026	0.385	0.018	18
Overall COPD	RPTOR	cg04295549	rs2340773	-0.069	0.031	0.93 (0.88, 0.99)	0.026	0.385	0.373	20
Overall COPD	CAPZB	cg19713429	rs904965	-0.055	0.025	0.95 (0.90, 0.99)	0.026	0.386	0.688	20
Overall COPD	PPT2	cg24009529	rs3134947	0.020	0.009	1.02 (1.00, 1.04)	0.026	0.386	0.034	20
Overall COPD	KIF25	cg16038269	rs227238	0.098	0.044	1.10 (1.01, 1.20)	0.026	0.386	0.641	20
Overall COPD	WDR35	cg05412990	rs75724734	-0.067	0.030	0.94 (0.88, 0.99)	0.026	0.386	0.608	20
Overall COPD	LOC100132724;AP4E1	cg19949776	rs4438254	-0.012	0.005	0.99 (0.98, 1.00)	0.027	0.388	0.716	20
Overall COPD	GATA4	cg12637676	rs13278982	0.097	0.044	1.10 (1.01, 1.20)	0.027	0.393	0.178	20
Overall COPD	MYH14	cg23268322	rs1651548	0.031	0.014	1.03 (1.00, 1.06)	0.027	0.393	0.857	20
Overall COPD	PPT2	cg08057899	rs3096689	-0.079	0.036	0.92 (0.86, 0.99)	0.027	0.394	0.030	20
Overall COPD	GATA4	cg16810626	rs10101661	0.027	0.012	1.03 (1.00, 1.05)	0.028	0.394	0.059	20
Overall COPD	TMEM106B	cg09613507	rs5011438	-0.032	0.014	0.97 (0.94, 1.00)	0.027	0.394	0.112	20
Overall COPD	AP4E1	cg05389038	rs2663543	-0.017	0.008	0.98 (0.97, 1.00)	0.029	0.394	0.559	20
Overall COPD	CAPZB	cg26824678	rs4912098	0.012	0.006	1.01 (1.00, 1.02)	0.029	0.394	0.244	20
Overall COPD	NFATC4	cg01658259	rs28365903	0.024	0.011	1.02 (1.00, 1.05)	0.028	0.394	0.991	20
Overall COPD	GSTP1	cg25135322	rs614080	0.021	0.010	1.02 (1.00, 1.04)	0.029	0.394	0.356	20
Overall COPD	GSTP1	cg23725454	rs614080	0.019	0.009	1.02 (1.00, 1.04)	0.029	0.394	0.349	20
Overall COPD	SH3BP4	cg12214003	rs2379187	-0.053	0.024	0.95 (0.90, 0.99)	0.028	0.394	0.557	20
Overall COPD	MSH6	cg04781916	rs3136230	0.036	0.017	1.04 (1.00, 1.07)	0.031	0.394	0.566	20

Overall COPD	DCC	cg18866015	rs9966338	-0.046	0.021	0.95 (0.92, 1.00)	0.030	0.394	0.780	20
Overall COPD	NFATC4	cg07162820	rs28365903	0.018	0.008	1.02 (1.00, 1.04)	0.028	0.394	0.984	20
Overall COPD	AATF	cg12996119	rs62072263	-0.034	0.016	0.97 (0.94, 1.00)	0.030	0.394	0.674	20
Overall COPD	DCC	cg00399483	rs7242705	-0.033	0.015	0.97 (0.94, 1.00)	0.028	0.394	0.711	20
Overall COPD	GSTP1	cg05244766	rs6591255	0.041	0.018	1.04 (1.00, 1.08)	0.028	0.394	0.496	20
Overall COPD	GSTP1	cg25866895	rs614080	0.014	0.006	1.01 (1.00, 1.03)	0.028	0.394	0.331	20
Overall COPD	GSTP1	cg19114214	rs625978	0.041	0.019	1.04 (1.00, 1.08)	0.030	0.394	0.323	20
Overall COPD	KIF25	cg01878651	rs227235	0.025	0.012	1.03 (1.00, 1.05)	0.029	0.394	0.459	20
Overall COPD	PPT2	cg26169408	rs3134947	0.056	0.026	1.06 (1.01, 1.11)	0.029	0.394	0.111	20
Overall COPD	TNFRSF10C	cg23221723	rs9918919	0.105	0.049	1.11 (1.01, 1.22)	0.031	0.394	0.661	17
Overall COPD	KIF25	cg03662475	rs2636354	0.105	0.048	1.11 (1.01, 1.22)	0.028	0.394	0.238	20
Overall COPD	DCC	cg21623566	rs13381479	-0.116	0.053	0.89 (0.80, 0.99)	0.029	0.394	0.407	11
Overall COPD	BNIP3	cg23606392	rs3737058	-0.117	0.054	0.89 (0.80, 0.99)	0.030	0.394	0.164	4
Overall COPD	PEBP1	cg00091483	rs7301950	0.122	0.057	1.13 (1.01, 1.26)	0.031	0.394	0.740	20
Overall COPD	FADS2	cg07999042	rs61897793	-0.123	0.057	0.88 (0.79, 0.99)	0.031	0.394	0.761	10
Overall COPD	PPT2;PRRT1	cg00110832	rs3130284	-0.108	0.050	0.90 (0.81, 0.99)	0.029	0.394	0.135	20
Overall COPD	MYH14	cg12301087	rs1651548	0.046	0.021	1.05 (1.00, 1.09)	0.029	0.394	0.888	15
Overall COPD	CUL4A	cg10012867	rs3861723	0.073	0.034	1.08 (1.01, 1.15)	0.030	0.394	0.457	20
Overall COPD	DCC	cg20917891	rs7242705	-0.051	0.024	0.95 (0.91, 0.99)	0.029	0.394	0.679	20
Overall COPD	DCC	cg18841634	rs7242705	0.061	0.028	1.06 (1.01, 1.12)	0.030	0.394	0.576	20
Overall COPD	KIT	cg18836493	rs981959	0.040	0.018	1.04 (1.00, 1.08)	0.029	0.394	0.482	20
Overall COPD	SLC30A3	cg24594459	rs6547521	-0.074	0.034	0.93 (0.87, 0.99)	0.029	0.394	0.147	20
Overall COPD	RALB	cg11305121	rs4594445	0.040	0.018	1.04 (1.00, 1.08)	0.031	0.396	0.947	20
Overall COPD	MYH14	cg10639981	rs1651548	0.058	0.027	1.06 (1.01, 1.12)	0.031	0.396	0.835	12
Overall COPD	SHISA5	cg24273394	rs116285936	-0.088	0.041	0.92 (0.85, 0.99)	0.032	0.400	0.719	4
Overall COPD	MYH14	cg22022379	rs1651553	0.048	0.022	1.05 (1.00, 1.10)	0.032	0.400	0.925	15
Overall COPD	CAPZB	cg15136975	rs12090885	-0.037	0.017	0.96 (0.93, 1.00)	0.032	0.401	0.297	20
Overall COPD	AATF	cg02282317	rs62072263	-0.062	0.029	0.94 (0.89, 0.99)	0.032	0.404	0.752	20
Overall COPD	RRAGA	cg25822709	rs2233798	-0.025	0.012	0.98 (0.95, 1.00)	0.033	0.408	0.023	20
Overall COPD	SGMS1	cg26665667	rs10763560	-0.051	0.024	0.95 (0.91, 1.00)	0.033	0.408	0.208	20
Overall COPD	DAP	cg18867653	rs2964784	0.038	0.018	1.04 (1.00, 1.08)	0.034	0.411	0.106	20
Overall COPD	RPTOR	cg13311292	rs150738216	-0.097	0.046	0.91 (0.83, 0.99)	0.034	0.411	0.661	20
Overall COPD	RPS27L	cg19279045	rs1126309	0.117	0.055	1.12 (1.01, 1.25)	0.034	0.411	0.103	20
Overall COPD	ATP10B	cg01779806	rs4302627	-0.116	0.055	0.89 (0.80, 0.99)	0.034	0.411	0.468	16
Overall COPD	TGFB2	cg20991819	rs1473527	0.107	0.051	1.11 (1.01, 1.23)	0.034	0.411	0.028	13
Overall COPD	FYN	cg08061598	rs9374281	-0.115	0.054	0.89 (0.80, 0.99)	0.034	0.411	0.239	20
Overall COPD	ATP10B	cg27141889	rs11950954	0.142	0.067	1.15 (1.01, 1.31)	0.033	0.411	0.055	20
Overall COPD	ZSWIM2	cg13135031	rs10201183	0.080	0.038	1.08 (1.01, 1.17)	0.033	0.411	0.750	20
Overall COPD	CAMKK2	cg12590521	rs2686341	-0.076	0.036	0.93 (0.86, 0.99)	0.034	0.411	0.279	19
Overall COPD	NFATC4	cg26705574	rs7148384	0.071	0.034	1.07 (1.01, 1.15)	0.034	0.411	0.911	20
Overall COPD	MSH6	cg05039065	rs3136230	-0.068	0.032	0.93 (0.88, 0.99)	0.034	0.411	0.188	20
Overall COPD	MYH9	cg11434151	rs2187776	-0.054	0.025	0.95 (0.90, 1.00)	0.034	0.411	0.668	5

Overall COPD	HIPK2	cg14630106	rs9718393	0.027	0.013	1.03 (1.00, 1.05)	0.034	0.412	0.687	18
Overall COPD	ZSWIM2	cg14762973	rs13428262	0.090	0.042	1.09 (1.01, 1.19)	0.035	0.413	0.504	20
Overall COPD	MTMR9	cg12981288	rs6601581	0.112	0.053	1.12 (1.01, 1.24)	0.035	0.413	0.170	20
Overall COPD	SNCA	cg01966878	rs2301134	-0.017	0.008	0.98 (0.97, 1.00)	0.035	0.414	0.653	20
Overall COPD	AKT1	cg01921845	rs2494733	-0.021	0.010	0.98 (0.96, 1.00)	0.035	0.414	0.919	20
Overall COPD	AIFM2	cg18204930	rs7921300	-0.045	0.021	0.96 (0.92, 1.00)	0.035	0.414	0.308	20
Overall COPD	MSH6	cg18222961	rs78491566	-0.067	0.032	0.94 (0.88, 1.00)	0.035	0.414	0.099	20
Overall COPD	BNIP3L	cg15157360	rs78595098	-0.030	0.014	0.97 (0.94, 1.00)	0.035	0.415	0.475	11
Overall COPD	BMF	cg07887985	rs34231574	0.106	0.050	1.11 (1.01, 1.23)	0.036	0.417	0.377	7
Overall COPD	BIK	cg13698860	rs5759176	0.062	0.030	1.06 (1.00, 1.13)	0.036	0.417	0.199	12
Overall COPD	RUFY4	cg11417360	rs6737563	0.103	0.049	1.11 (1.01, 1.22)	0.036	0.417	0.176	14
Overall COPD	ZSWIM2	cg18950539	rs10201183	0.095	0.045	1.10 (1.01, 1.20)	0.036	0.417	0.248	20
Overall COPD	RRAGA	cg14727880	rs2233798	-0.060	0.029	0.94 (0.89, 1.00)	0.036	0.417	0.041	20
Overall COPD	SCRT2	cg18592561	rs79646638	0.051	0.024	1.05 (1.00, 1.10)	0.036	0.417	0.835	8
Overall COPD	DAPK3	cg18226382	rs2278438	0.054	0.026	1.06 (1.00, 1.11)	0.036	0.417	0.769	9
Overall COPD	BMF	cg26662201	rs34231574	0.106	0.051	1.11 (1.01, 1.23)	0.036	0.418	0.379	7
Overall COPD	CAMKK2	cg04615865	rs2686341	-0.090	0.043	0.91 (0.84, 0.99)	0.036	0.418	0.254	17
Overall COPD	LGALS8	cg14252149	rs2254823	-0.012	0.006	0.99 (0.98, 1.00)	0.037	0.418	0.703	20
Overall COPD	RHEB	cg03998173	rs6943752	0.104	0.050	1.11 (1.01, 1.22)	0.037	0.418	0.314	14
Overall COPD	MSH6	cg16595246	rs3136230	-0.086	0.041	0.92 (0.85, 0.99)	0.037	0.418	0.352	20
Overall COPD	SNCA	cg02192967	rs6532198	0.087	0.041	1.09 (1.01, 1.18)	0.037	0.418	0.088	20
Overall COPD	BNIP3L	cg13516551	rs78595098	-0.049	0.023	0.95 (0.91, 1.00)	0.037	0.418	0.461	9
Overall COPD	LGALS8	cg01809927	rs1160	-0.018	0.009	0.98 (0.96, 1.00)	0.038	0.419	0.609	20
Overall COPD	WWOX	cg01608400	rs11150082	-0.088	0.042	0.92 (0.84, 1.00)	0.038	0.420	0.357	20
Overall COPD	NCK2	cg14131038	rs73946288	0.033	0.016	1.03 (1.00, 1.07)	0.039	0.426	0.894	20
Overall COPD	UVRAG	cg02337499	rs7118567	0.038	0.019	1.04 (1.00, 1.08)	0.039	0.426	0.732	20
Overall COPD	TBC1D14	cg14594044	rs6826453	-0.057	0.027	0.95 (0.90, 1.00)	0.039	0.428	0.098	6
Overall COPD	TMBIM6	cg20471783	rs4584654	-0.024	0.012	0.98 (0.95, 1.00)	0.040	0.431	0.133	20
Overall COPD	PTGS2	cg25147026	rs12405541	-0.043	0.021	0.96 (0.92, 1.00)	0.040	0.432	0.798	20
Overall COPD	MAPK3	cg00192773	rs78564187	0.078	0.038	1.08 (1.00, 1.16)	0.040	0.433	0.010	15
Overall COPD	SLC30A3	cg08789022	rs1561535	-0.085	0.042	0.92 (0.85, 1.00)	0.040	0.437	0.248	20
Overall COPD	NFATC4	cg00462311	rs12050389	0.110	0.054	1.12 (1.00, 1.24)	0.041	0.438	0.895	20
Overall COPD	KIT	cg19041419	rs7684000	0.088	0.043	1.09 (1.00, 1.19)	0.041	0.438	0.330	20
Overall COPD	SNCA	cg01035160	rs1442134	0.098	0.048	1.10 (1.00, 1.21)	0.041	0.439	0.137	20
Overall COPD	INF2	cg20267932	rs10133301	0.078	0.038	1.08 (1.00, 1.17)	0.041	0.440	0.289	17
Overall COPD	MPO	cg08058156	rs35966900	0.090	0.044	1.09 (1.00, 1.19)	0.041	0.441	0.867	19
Overall COPD	ATP6V0D1	cg06120000	rs11552322	-0.095	0.047	0.91 (0.83, 1.00)	0.041	0.442	0.699	20
Overall COPD	PCBP1	cg08479476	rs3732264	0.034	0.017	1.03 (1.00, 1.07)	0.042	0.448	0.186	20
Overall COPD	CTTN	cg12127706	rs12800598	-0.021	0.011	0.98 (0.96, 1.00)	0.042	0.449	0.486	20
Overall COPD	CTTN	cg16629523	rs12800598	-0.024	0.012	0.98 (0.95, 1.00)	0.043	0.449	0.432	20
Overall COPD	PERP	cg09019803	rs2484065	0.028	0.014	1.03 (1.00, 1.06)	0.043	0.449	0.301	13
Overall COPD	CAPZB	cg01693305	rs6426806	-0.090	0.045	0.91 (0.84, 1.00)	0.042	0.449	0.270	9

Overall COPD	CD68	cg21808406	rs12942088	0.081	0.040	1.08 (1.00, 1.17)	0.042	0.449	0.318	20
Overall COPD	PLAUR	cg20445035	rs344773	0.059	0.029	1.06 (1.00, 1.12)	0.043	0.450	0.733	14
Overall COPD	PRKAG2	cg01005180	rs2727553	-0.037	0.018	0.96 (0.93, 1.00)	0.043	0.450	0.844	20
Overall COPD	RAB7A	cg19991780	rs59753334	-0.032	0.016	0.97 (0.94, 1.00)	0.043	0.451	0.173	20
Overall COPD	KDR	cg07098391	rs28680424	-0.110	0.055	0.90 (0.80, 1.00)	0.045	0.458	0.971	11
Overall COPD	CAPZB	cg12424867	rs12563442	-0.111	0.055	0.90 (0.80, 1.00)	0.044	0.458	0.197	20
Overall COPD	NEU1	cg13634177	rs130076	-0.119	0.059	0.89 (0.79, 1.00)	0.044	0.458	0.260	20
Overall COPD	IL10RA	cg07540983	rs4252253	0.095	0.048	1.10 (1.00, 1.21)	0.045	0.458	0.072	11
Overall COPD	RPTOR	cg23238734	rs9908112	0.085	0.042	1.09 (1.00, 1.18)	0.044	0.458	0.925	20
Overall COPD	INF2	cg05210373	rs4247032	-0.062	0.031	0.94 (0.88, 1.00)	0.044	0.458	0.153	20
Overall COPD	INF2	cg04966159	rs4247032	-0.063	0.032	0.94 (0.88, 1.00)	0.045	0.458	0.334	20
Overall COPD	NDUFA13;TSSK6	cg25274157	rs7252453	0.049	0.024	1.05 (1.00, 1.10)	0.044	0.458	0.061	20
Overall COPD	PLAUR	cg17168630	rs344778	0.060	0.030	1.06 (1.00, 1.13)	0.045	0.460	0.737	15
Overall COPD	ATP6V0A2	cg25710520	rs7135267	0.026	0.013	1.03 (1.00, 1.05)	0.045	0.460	0.274	20
Overall COPD	EPO	cg20893717	rs221795	0.108	0.054	1.11 (1.00, 1.24)	0.046	0.463	0.183	20
Overall COPD	RPTOR	cg01516792	rs11150741	0.038	0.019	1.04 (1.00, 1.08)	0.046	0.463	0.101	20
Overall COPD	ATP6V0A2	cg16376770	rs7302788	0.118	0.059	1.13 (1.00, 1.26)	0.046	0.463	0.509	20
Overall COPD	PIK3CD	cg20994801	rs57834427	0.035	0.018	1.04 (1.00, 1.07)	0.046	0.464	0.184	20
Overall COPD	CD44	cg13369159	rs4756196	0.099	0.050	1.10 (1.00, 1.22)	0.046	0.464	0.261	18
Overall COPD	BCL3	cg26470501	rs8100197	0.050	0.025	1.05 (1.00, 1.11)	0.046	0.465	0.130	20
Overall COPD	BMP4	cg05923197	rs7154598	0.048	0.024	1.05 (1.00, 1.10)	0.047	0.466	0.185	20
Overall COPD	LIPA	cg09060654	rs12780342	-0.031	0.016	0.97 (0.94, 1.00)	0.047	0.468	0.342	20
Overall COPD	KDR	cg18177533	rs1350542	-0.112	0.056	0.89 (0.80, 1.00)	0.047	0.468	0.941	11
Overall COPD	GPR137B	cg18879590	rs12095039	-0.100	0.051	0.90 (0.82, 1.00)	0.047	0.468	0.546	5
Overall COPD	MTMR9	cg21337580	rs60724206	0.093	0.047	1.10 (1.00, 1.20)	0.047	0.468	0.642	8
Overall COPD	DAPK1	cg14250336	rs13290498	0.084	0.042	1.09 (1.00, 1.18)	0.047	0.468	0.426	16
Overall COPD	FGFR1	cg11547613	rs12114449	-0.104	0.053	0.90 (0.81, 1.00)	0.048	0.468	0.254	6
Overall COPD	ARSB	cg11837534	rs337853	0.095	0.048	1.10 (1.00, 1.21)	0.048	0.468	0.156	19
Overall COPD	SORT1	cg22346081	rs112014867	0.114	0.058	1.12 (1.00, 1.25)	0.048	0.471	0.139	4
Overall COPD	MEFV	cg05554494	rs17136317	-0.040	0.020	0.96 (0.92, 1.00)	0.048	0.471	0.035	15
Overall COPD	LEPR	cg06558372	rs6656451	0.100	0.051	1.10 (1.00, 1.22)	0.048	0.471	0.068	20
Overall COPD	SERPINE1	cg24539923	rs2227631	-0.048	0.024	0.95 (0.91, 1.00)	0.049	0.472	0.548	20
Overall COPD	UNC5B	cg11224737	rs10999741	0.060	0.030	1.06 (1.00, 1.13)	0.049	0.472	0.877	20
Overall COPD	BCL2L10	cg27563121	rs59851373	-0.043	0.022	0.96 (0.92, 1.00)	0.049	0.477	0.311	20
Overall COPD	BIK	cg04304450	rs2245947	-0.101	0.052	0.90 (0.82, 1.00)	0.050	0.479	0.017	10
COPD in ever-smokers	PPT2	cg08295094	rs9273495	-0.298	0.052	0.74 (0.67, 0.82)	1.01E-08	9.44E-06	0.018	20
COPD in ever-smokers	ATP2A3	cg00095677	rs12452493	0.144	0.034	1.15 (1.08, 1.23)	1.91E-05	0.015	0.180	14
COPD in ever-smokers	ATP2A3	cg20473595	rs11871473	-0.194	0.047	0.82 (0.75, 0.90)	4.28E-05	0.028	0.171	13
COPD in ever-smokers	ATP2A3	cg06463185	rs12452493	0.261	0.064	1.30 (1.14, 1.47)	4.83E-05	0.028	0.122	13
COPD in ever-smokers	ATP2A3	cg18963239	rs11871473	-0.273	0.069	0.76 (0.66, 0.87)	8.47E-05	0.044	0.848	12
COPD in ever-smokers	ATP2A3	cg01703329	rs6502762	-0.166	0.044	0.85 (0.78, 0.92)	1.59E-04	0.074	0.415	14
COPD in ever-smokers	ATP2A3	cg25738176	rs1468573	0.184	0.053	1.20 (1.08, 1.33)	5.23E-04	0.117	0.026	12

COPD in ever-smokers	AKT1	cg26023960	rs7142772	-0.125	0.035	0.88 (0.82, 0.95)	3.90E-04	0.117	0.473	20
COPD in ever-smokers	TRIM27	cg03270340	rs213228	-0.142	0.042	0.87 (0.80, 0.94)	7.09E-04	0.138	0.223	20
COPD in ever-smokers	AP4E1	cg05389038	rs1147136	-0.057	0.017	0.94 (0.91, 0.98)	0.001	0.206	0.011	20
COPD in ever-smokers	STX4	cg07404961	rs35961830	0.143	0.044	1.15 (1.06, 1.26)	0.001	0.206	0.866	20
COPD in ever-smokers	ATP2A3	cg09013975	rs2003552	0.417	0.130	1.52 (1.18, 1.96)	0.001	0.206	0.074	9
COPD in ever-smokers	STX4	cg06233904	rs58726213	-0.196	0.063	0.82 (0.73, 0.93)	0.002	0.247	0.792	20
COPD in ever-smokers	CAPZB	cg03542686	rs4912100	0.276	0.090	1.32 (1.10, 1.57)	0.002	0.284	0.964	13
COPD in ever-smokers	SIVA1	cg19495714	rs4983549	-0.142	0.047	0.87 (0.79, 0.95)	0.003	0.287	0.102	20
COPD in ever-smokers	ATP13A2	cg22045253	rs9435671	-0.107	0.036	0.90 (0.84, 0.96)	0.003	0.300	0.165	20
COPD in ever-smokers	TRIM27	cg23756442	rs80210770	-0.263	0.088	0.77 (0.65, 0.91)	0.003	0.302	0.219	20
COPD in ever-smokers	STX4	cg08893833	rs729482	-0.254	0.085	0.78 (0.66, 0.92)	0.003	0.302	0.594	20
COPD in ever-smokers	VMAC;NDUFA11	cg05380558	rs1056987	0.180	0.061	1.20 (1.06, 1.35)	0.003	0.332	0.455	20
COPD in ever-smokers	SQSTM1	cg01225779	rs12522926	-0.185	0.064	0.83 (0.73, 0.94)	0.004	0.373	0.421	20
COPD in ever-smokers	AP3D1	cg19290738	rs12985980	0.040	0.014	1.04 (1.01, 1.07)	0.004	0.378	0.873	20
COPD in ever-smokers	AKT1	cg19645788	rs45607139	0.088	0.031	1.09 (1.03, 1.16)	0.004	0.378	0.051	20
COPD in ever-smokers	GHITM	cg23027704	rs12415362	0.099	0.035	1.10 (1.03, 1.18)	0.004	0.385	0.406	20
COPD in ever-smokers	SH3RF1	cg07082484	rs10024401	-0.050	0.018	0.95 (0.92, 0.99)	0.005	0.416	0.520	16
COPD in ever-smokers	INF2	cg04966159	rs4983384	-0.253	0.091	0.78 (0.65, 0.93)	0.005	0.419	0.364	20
COPD in ever-smokers	PPT2	cg06832687	rs9270449	0.203	0.074	1.23 (1.06, 1.42)	0.006	0.426	0.171	20
COPD in ever-smokers	PPT2	cg08057899	rs17843604	-0.322	0.117	0.72 (0.58, 0.91)	0.006	0.426	0.824	20
COPD in ever-smokers	GHITM	cg25783892	rs3814214	0.213	0.077	1.24 (1.06, 1.44)	0.006	0.426	0.421	18
COPD in ever-smokers	AKT1	cg14184729	rs72715972	0.137	0.049	1.15 (1.04, 1.26)	0.006	0.426	0.077	20
COPD in ever-smokers	SH3RF1	cg12257055	rs10024401	-0.116	0.042	0.89 (0.82, 0.97)	0.006	0.426	0.841	15
COPD in ever-smokers	RHEB	cg02506984	rs4726029	0.224	0.083	1.25 (1.06, 1.47)	0.007	0.433	0.963	17
COPD in ever-smokers	DYRK2	cg19817165	rs2700075	-0.201	0.074	0.82 (0.71, 0.95)	0.007	0.433	0.695	20
COPD in ever-smokers	DYRK2	cg09135343	rs2700075	-0.221	0.083	0.80 (0.68, 0.94)	0.007	0.433	0.954	20
COPD in ever-smokers	MAPK3	cg00192773	rs6565175	0.311	0.116	1.36 (1.09, 1.71)	0.007	0.435	0.715	20
COPD in ever-smokers	FEZ2	cg09467607	rs11886145	-0.055	0.021	0.95 (0.91, 0.99)	0.008	0.436	0.737	20
COPD in ever-smokers	ARF1	cg06625004	rs10799469	-0.147	0.056	0.86 (0.77, 0.96)	0.009	0.436	0.819	20
COPD in ever-smokers	PPT2;PRRT1	cg06814287	rs1061808	-0.233	0.088	0.79 (0.67, 0.94)	0.008	0.436	0.144	20
COPD in ever-smokers	USP13	cg05726764	rs1561842	-0.055	0.021	0.95 (0.91, 0.99)	0.009	0.436	0.918	20
COPD in ever-smokers	RPS27L	cg26210447	rs1126308	0.086	0.033	1.09 (1.02, 1.16)	0.009	0.436	0.063	20
COPD in ever-smokers	NEU1;SLC44A4	cg00397479	rs9276569	-0.322	0.124	0.72 (0.57, 0.92)	0.009	0.436	0.309	20
COPD in ever-smokers	RHEB	cg03323794	rs2074997	0.257	0.096	1.29 (1.07, 1.56)	0.008	0.436	0.931	11
COPD in ever-smokers	TRIM27	cg01928896	rs3129792	0.262	0.099	1.30 (1.07, 1.58)	0.008	0.436	0.022	20
COPD in ever-smokers	C9orf72	cg05990720	rs10812605	0.255	0.095	1.29 (1.07, 1.56)	0.008	0.436	0.504	20
COPD in ever-smokers	CAPZB	cg13100118	rs12755497	0.260	0.099	1.30 (1.07, 1.58)	0.009	0.436	0.620	15
COPD in ever-smokers	ATP2A1	cg04414917	rs12928404	-0.099	0.038	0.91 (0.84, 0.98)	0.010	0.437	0.966	20
COPD in ever-smokers	RHEB	cg06603923	rs6943752	0.118	0.046	1.13 (1.03, 1.23)	0.009	0.437	0.654	18
COPD in ever-smokers	RPS27L	cg02713581	rs2292038	0.144	0.056	1.15 (1.04, 1.29)	0.010	0.437	0.097	20
COPD in ever-smokers	SLC39A11	cg14233847	rs9910192	-0.291	0.114	0.75 (0.60, 0.93)	0.010	0.437	0.598	20
COPD in ever-smokers	RHEB	cg24531520	rs6943752	0.141	0.055	1.15 (1.03, 1.28)	0.010	0.437	0.646	18

COPD in ever-smokers	NUPR1	cg01542023	rs11074911	-0.099	0.039	0.91 (0.84, 0.98)	0.010	0.437	0.754	20
COPD in ever-smokers	AP1M2	cg26292442	rs7248205	-0.321	0.126	0.73 (0.57, 0.93)	0.011	0.437	0.559	20
COPD in ever-smokers	BLK	cg26161004	rs11785333	0.083	0.033	1.09 (1.02, 1.16)	0.013	0.438	0.347	20
COPD in ever-smokers	ST20;C15orf37	cg26673396	rs8026997	0.079	0.032	1.08 (1.02, 1.15)	0.012	0.438	0.322	18
COPD in ever-smokers	ST20	cg21315874	rs17885346	-0.056	0.022	0.95 (0.91, 0.99)	0.012	0.438	0.372	18
COPD in ever-smokers	ATP2A1	cg05966235	rs8056890	0.051	0.020	1.05 (1.01, 1.09)	0.013	0.438	0.520	20
COPD in ever-smokers	CLTB	cg24735937	rs67877276	0.067	0.027	1.07 (1.01, 1.13)	0.013	0.438	0.234	20
COPD in ever-smokers	RPTOR	cg15097361	rs2589118	0.115	0.046	1.12 (1.02, 1.23)	0.014	0.438	0.663	7
COPD in ever-smokers	C15orf37;ST20	cg11970192	rs17885346	0.090	0.036	1.09 (1.02, 1.17)	0.012	0.438	0.594	11
COPD in ever-smokers	ST20	cg11839771	rs6495455	0.061	0.024	1.06 (1.01, 1.11)	0.012	0.438	0.307	18
COPD in ever-smokers	TRIM27	cg27120125	rs3129793	-0.315	0.127	0.73 (0.57, 0.94)	0.013	0.438	0.303	20
COPD in ever-smokers	INF2	cg05210373	rs12882277	-0.242	0.095	0.78 (0.65, 0.95)	0.011	0.438	0.486	20
COPD in ever-smokers	PPT2;PRRT1	cg12883279	rs1061808	-0.295	0.116	0.74 (0.59, 0.93)	0.011	0.438	0.116	20
COPD in ever-smokers	TRIM27	cg09292581	rs3129793	-0.321	0.130	0.73 (0.56, 0.94)	0.014	0.438	0.018	16
COPD in ever-smokers	CSNK2A1	cg07511836	rs459710	0.083	0.033	1.09 (1.02, 1.16)	0.012	0.438	0.831	20
COPD in ever-smokers	NUPR1	cg05590982	rs149278	0.210	0.084	1.23 (1.05, 1.45)	0.012	0.438	0.945	20
COPD in ever-smokers	FEZ2	cg11324054	rs13013664	-0.192	0.076	0.83 (0.71, 0.96)	0.012	0.438	0.758	16
COPD in ever-smokers	NUPR1	cg15149645	rs17640009	-0.119	0.047	0.89 (0.81, 0.97)	0.012	0.438	0.866	20
COPD in ever-smokers	DYRK2	cg27078727	rs4913355	0.133	0.053	1.14 (1.03, 1.27)	0.012	0.438	0.884	20
COPD in ever-smokers	CSNK2A1	cg26292976	rs459710	0.163	0.066	1.18 (1.03, 1.34)	0.014	0.438	0.838	12
COPD in ever-smokers	SFRP2	cg23207990	rs10023059	-0.149	0.061	0.86 (0.77, 0.97)	0.014	0.438	0.044	20
COPD in ever-smokers	SFRP2	cg23121156	rs732681	-0.158	0.065	0.85 (0.75, 0.97)	0.015	0.441	0.048	20
COPD in ever-smokers	RHEB	cg03998173	rs6943752	0.276	0.114	1.32 (1.05, 1.65)	0.015	0.441	0.541	12
COPD in ever-smokers	DYRK2	cg13442969	rs3782393	-0.188	0.078	0.83 (0.71, 0.96)	0.015	0.441	0.691	20
COPD in ever-smokers	DAPK2	cg07619672	rs172995	0.271	0.112	1.31 (1.05, 1.63)	0.015	0.441	0.053	18
COPD in ever-smokers	TIRAP	cg21533667	rs2276025	0.216	0.089	1.24 (1.04, 1.48)	0.015	0.441	0.197	7
COPD in ever-smokers	GSDMA	cg24910161	rs55739615	-0.042	0.018	0.96 (0.93, 0.99)	0.018	0.443	0.482	20
COPD in ever-smokers	BCL3	cg16094954	rs2965169	0.044	0.018	1.04 (1.01, 1.08)	0.018	0.443	0.452	19
COPD in ever-smokers	CX3CR1	cg04569233	rs4256069	0.085	0.036	1.09 (1.01, 1.17)	0.018	0.443	0.195	20
COPD in ever-smokers	INF2	cg13578465	rs12588561	0.076	0.032	1.08 (1.01, 1.15)	0.019	0.443	0.178	20
COPD in ever-smokers	PDLIM1	cg02338345	rs11599546	-0.122	0.051	0.89 (0.80, 0.98)	0.017	0.443	0.598	20
COPD in ever-smokers	GSDMA	cg26162295	rs55739615	-0.044	0.019	0.96 (0.92, 0.99)	0.019	0.443	0.404	20
COPD in ever-smokers	TRIM27	cg09855662	rs209142	-0.131	0.055	0.88 (0.79, 0.98)	0.017	0.443	0.098	20
COPD in ever-smokers	ITPRIP	cg27365978	rs276211	-0.080	0.033	0.92 (0.86, 0.99)	0.016	0.443	0.741	20
COPD in ever-smokers	RPTOR	cg15228441	rs10871489	0.172	0.072	1.19 (1.03, 1.37)	0.017	0.443	0.389	9
COPD in ever-smokers	USP10	cg05298510	rs8044259	-0.120	0.050	0.89 (0.80, 0.98)	0.016	0.443	0.520	20
COPD in ever-smokers	OTUB1	cg08231730	rs7942318	-0.156	0.066	0.86 (0.75, 0.97)	0.018	0.443	0.666	20
COPD in ever-smokers	ATP2A1	cg27473355	rs9931989	0.207	0.088	1.23 (1.04, 1.46)	0.018	0.443	0.544	20
COPD in ever-smokers	ITPRIP	cg02682924	rs276211	0.133	0.056	1.14 (1.02, 1.27)	0.018	0.443	0.688	20
COPD in ever-smokers	RPS27L	cg19279045	rs12594313	0.296	0.125	1.34 (1.05, 1.72)	0.018	0.443	0.027	20
COPD in ever-smokers	NDUFA11	cg03715305	rs4807821	0.294	0.123	1.34 (1.05, 1.71)	0.017	0.443	0.277	12
COPD in ever-smokers	ITPRIP	cg22882506	rs276211	-0.109	0.045	0.90 (0.82, 0.98)	0.017	0.443	0.671	20

COPD in ever-smokers	OTUB1	cg13692972	rs6591830	-0.083	0.035	0.92 (0.86, 0.99)	0.018	0.443	0.581	20
COPD in ever-smokers	INF2	cg11730703	rs12588561	0.084	0.036	1.09 (1.01, 1.17)	0.019	0.444	0.290	20
COPD in ever-smokers	INF2	cg27286011	rs12588561	0.088	0.037	1.09 (1.01, 1.17)	0.019	0.444	0.188	20
COPD in ever-smokers	INF2	cg22090592	rs12588561	0.097	0.042	1.10 (1.02, 1.20)	0.019	0.446	0.062	20
COPD in ever-smokers	INF2	cg01836137	rs12588561	0.105	0.045	1.11 (1.02, 1.21)	0.019	0.449	0.246	20
COPD in ever-smokers	CSNK2A1	cg23481873	rs459710	0.266	0.114	1.30 (1.04, 1.63)	0.020	0.458	0.694	9
COPD in ever-smokers	EPHA2	cg24494577	rs6678618	-0.139	0.060	0.87 (0.77, 0.98)	0.020	0.459	0.169	20
COPD in ever-smokers	ATP13A2	cg16027378	rs2235930	-0.266	0.116	0.77 (0.61, 0.96)	0.022	0.489	0.299	20
COPD in ever-smokers	SFRP2	cg25775322	rs994598	-0.174	0.076	0.84 (0.72, 0.98)	0.022	0.489	0.129	18
COPD in ever-smokers	CUL5	cg18191196	rs4754286	-0.054	0.024	0.95 (0.91, 0.99)	0.023	0.496	0.625	11
COPD in ever-smokers	CUL5	cg20080282	rs10890808	-0.172	0.077	0.84 (0.72, 0.98)	0.025	0.517	0.754	11
COPD in ever-smokers	ENO1	cg02088347	rs2038903	-0.223	0.100	0.80 (0.66, 0.97)	0.025	0.520	0.921	5
COPD in ever-smokers	EPHA2	cg24518441	rs6678618	0.245	0.110	1.28 (1.03, 1.59)	0.026	0.528	0.113	10
COPD in ever-smokers	AP1M2	cg11657665	rs4804510	0.077	0.035	1.08 (1.01, 1.16)	0.027	0.542	0.079	9
COPD in ever-smokers	OSBPL7	cg02206375	rs17774171	-0.261	0.119	0.77 (0.61, 0.97)	0.028	0.549	0.993	20
COPD in ever-smokers	EYA4	cg25075347	rs212786	0.035	0.016	1.04 (1.00, 1.07)	0.029	0.560	0.476	20
COPD in ever-smokers	CAPN1	cg07710883	rs239258	-0.150	0.069	0.86 (0.75, 0.98)	0.029	0.560	0.861	20
COPD in ever-smokers	RAF1	cg23332193	rs2344825	-0.125	0.057	0.88 (0.79, 0.99)	0.029	0.560	0.750	20
COPD in ever-smokers	C9orf72	cg11613875	rs2492816	-0.227	0.104	0.80 (0.65, 0.98)	0.030	0.571	0.377	20
COPD in ever-smokers	ATF3	cg23534142	rs7546027	0.098	0.045	1.10 (1.01, 1.20)	0.031	0.572	0.829	20
COPD in ever-smokers	PDLIM1	cg20714347	rs12415795	-0.134	0.062	0.87 (0.77, 0.99)	0.031	0.572	0.759	20
COPD in ever-smokers	OTUB1	cg03219809	rs728919	-0.194	0.090	0.82 (0.69, 0.98)	0.031	0.572	0.610	20
COPD in ever-smokers	MMP9	cg23353432	rs13969	-0.132	0.061	0.88 (0.78, 0.99)	0.031	0.572	0.605	20
COPD in ever-smokers	GSDMC	cg26073844	rs4260864	0.184	0.085	1.20 (1.02, 1.42)	0.031	0.573	0.465	16
COPD in ever-smokers	SFRP2	cg03202804	rs1902467	-0.138	0.065	0.87 (0.77, 0.99)	0.033	0.593	0.023	20
COPD in ever-smokers	SFRP2	cg05961809	rs11726052	-0.127	0.060	0.88 (0.78, 0.99)	0.033	0.593	0.031	20
COPD in ever-smokers	BLK	cg21175976	rs2279169	0.054	0.026	1.06 (1.00, 1.11)	0.034	0.601	0.588	20
COPD in ever-smokers	ENO1	cg10313368	rs10864368	-0.039	0.018	0.96 (0.93, 1.00)	0.034	0.603	0.374	20
COPD in ever-smokers	ITPRIP	cg11276172	rs276215	0.139	0.066	1.15 (1.01, 1.31)	0.035	0.606	0.742	20
COPD in ever-smokers	ENO1	cg06972019	rs11590606	-0.029	0.014	0.97 (0.95, 1.00)	0.036	0.608	0.317	20
COPD in ever-smokers	ENO1	cg10443148	rs11590606	-0.051	0.024	0.95 (0.91, 1.00)	0.036	0.608	0.436	20
COPD in ever-smokers	AP3D1	cg17656426	rs62128400	0.056	0.027	1.06 (1.00, 1.11)	0.036	0.608	0.107	20
COPD in ever-smokers	TRIM5	cg03698359	rs2880574	0.082	0.039	1.09 (1.01, 1.17)	0.035	0.608	0.858	20
COPD in ever-smokers	ENO1	cg18273817	rs10864368	-0.079	0.038	0.92 (0.86, 0.99)	0.036	0.608	0.343	20
COPD in ever-smokers	ENO1	cg20971527	rs11121246	-0.108	0.051	0.90 (0.81, 0.99)	0.035	0.608	0.404	20
COPD in ever-smokers	NOD2	cg05261686	rs11647841	0.071	0.034	1.07 (1.00, 1.15)	0.036	0.608	0.503	20
COPD in ever-smokers	CSNK2A1	cg07789225	rs157816	0.251	0.121	1.29 (1.02, 1.63)	0.037	0.615	0.962	7
COPD in ever-smokers	PMAIP1	cg22549408	rs4349252	-0.053	0.026	0.95 (0.90, 1.00)	0.039	0.618	0.962	19
COPD in ever-smokers	PMAIP1	cg05157251	rs4349252	-0.055	0.027	0.95 (0.90, 1.00)	0.039	0.618	0.967	19
COPD in ever-smokers	GATA2	cg22801992	rs2713576	-0.140	0.068	0.87 (0.76, 0.99)	0.038	0.618	0.256	6
COPD in ever-smokers	ITPRIP	cg24199006	rs276215	-0.190	0.092	0.83 (0.69, 0.99)	0.039	0.618	0.448	14
COPD in ever-smokers	PMAIP1	cg11957475	rs4349252	-0.062	0.030	0.94 (0.89, 1.00)	0.039	0.619	0.998	17

COPD in ever-smokers	GNS	cg27476482	rs2620719	-0.170	0.082	0.84 (0.72, 0.99)	0.040	0.621	0.652	8
COPD in ever-smokers	FER	cg19730600	rs7710960	-0.092	0.045	0.91 (0.84, 1.00)	0.040	0.624	0.466	20
COPD in ever-smokers	FGF10	cg16536718	rs1482679	-0.249	0.122	0.78 (0.61, 0.99)	0.041	0.635	0.901	5
COPD in ever-smokers	CDK5R1	cg22322863	rs62062462	-0.172	0.084	0.84 (0.71, 0.99)	0.041	0.635	0.288	20
COPD in ever-smokers	AP3D1	cg21414902	rs34615083	-0.190	0.093	0.83 (0.69, 0.99)	0.041	0.635	0.165	20
COPD in ever-smokers	GATA4	cg01546563	rs1478898	0.180	0.089	1.20 (1.01, 1.42)	0.042	0.636	0.544	20
COPD in ever-smokers	GATA2	cg03839949	rs2713576	-0.188	0.092	0.83 (0.69, 0.99)	0.042	0.636	0.587	7
COPD in ever-smokers	ACSL1	cg01899937	rs6552828	0.082	0.040	1.09 (1.00, 1.18)	0.042	0.636	0.892	20
COPD in ever-smokers	PTGS2	cg25147026	rs1547084	-0.142	0.070	0.87 (0.76, 1.00)	0.042	0.636	0.754	11
COPD in ever-smokers	ATP13A2	cg06953703	rs9435739	-0.213	0.105	0.81 (0.66, 0.99)	0.042	0.636	0.142	20
COPD in ever-smokers	NLRP1	cg26561413	rs11078575	0.109	0.054	1.12 (1.00, 1.24)	0.043	0.637	0.689	20
COPD in ever-smokers	MUC1	cg18804777	rs6660884	0.246	0.121	1.28 (1.01, 1.62)	0.043	0.637	0.760	4
COPD in ever-smokers	NAPSA	cg08194323	rs1405655	-0.170	0.085	0.84 (0.71, 1.00)	0.044	0.647	0.978	18
COPD in ever-smokers	CD70	cg26737640	rs112136162	0.116	0.058	1.12 (1.00, 1.26)	0.045	0.653	0.416	20
COPD in ever-smokers	EPM2A	cg05220968	rs6902404	-0.106	0.053	0.90 (0.81, 1.00)	0.045	0.654	0.681	14
COPD in ever-smokers	ALOX5	cg24302529	rs61855791	-0.070	0.035	0.93 (0.87, 1.00)	0.048	0.679	0.584	20
COPD in ever-smokers	DDIT4	cg01839993	rs10762504	-0.152	0.077	0.86 (0.74, 1.00)	0.048	0.679	0.275	20
COPD in never-smokers	PPT2	cg08057899	rs17843604	-0.765	0.169	0.47 (0.33, 0.65)	5.87E-06	0.008	0.013	20
COPD in never-smokers	ERBB3	cg23731805	rs705696	-0.242	0.055	0.78 (0.70, 0.87)	1.01E-05	0.009	0.547	20
COPD in never-smokers	TRIM27	cg03270340	rs213228	-0.195	0.047	0.82 (0.75, 0.90)	2.67E-05	0.018	0.478	20
COPD in never-smokers	HSPA1B	cg04835051	rs2763979	0.188	0.050	1.21 (1.09, 1.33)	1.67E-04	0.049	0.013	20
COPD in never-smokers	HSPA1B	cg16372051	rs2763979	0.176	0.047	1.19 (1.09, 1.31)	1.56E-04	0.049	0.020	20
COPD in never-smokers	SLC9A3R1	cg21922841	rs878905	0.110	0.029	1.12 (1.05, 1.18)	1.61E-04	0.049	0.603	13
COPD in never-smokers	ERBB3	cg17843101	rs7971751	0.335	0.089	1.40 (1.17, 1.67)	1.67E-04	0.049	0.105	20
COPD in never-smokers	SLC9A3R1	cg13163403	rs895692	0.301	0.084	1.35 (1.15, 1.59)	3.39E-04	0.072	0.561	11
COPD in never-smokers	PIP4K2B	cg27142680	rs228258	0.391	0.114	1.48 (1.18, 1.85)	6.05E-04	0.098	0.461	10
COPD in never-smokers	ORMDL3	cg18711369	rs4065275	-0.071	0.022	0.93 (0.89, 0.97)	0.001	0.108	0.906	20
COPD in never-smokers	ORMDL3	cg10909506	rs4065275	-0.073	0.022	0.93 (0.89, 0.97)	0.001	0.108	0.872	20
COPD in never-smokers	TRIM27	cg09855662	rs209142	-0.201	0.062	0.82 (0.72, 0.92)	0.001	0.111	0.431	20
COPD in never-smokers	ATP6V1C2	cg08352575	rs4668695	0.086	0.028	1.09 (1.03, 1.15)	0.002	0.139	0.350	20
COPD in never-smokers	PPT2;PRRT1	cg06814287	rs1061808	-0.311	0.100	0.73 (0.60, 0.89)	0.002	0.145	0.367	20
COPD in never-smokers	LYN	cg08894788	rs2271400	-0.143	0.046	0.87 (0.79, 0.95)	0.002	0.145	0.397	20
COPD in never-smokers	PIP4K2B	cg20760360	rs4794790	-0.208	0.068	0.81 (0.71, 0.93)	0.002	0.155	0.087	16
COPD in never-smokers	AIRE	cg23366234	rs111411199	-0.260	0.086	0.77 (0.65, 0.91)	0.003	0.166	0.015	17
COPD in never-smokers	PIP4K2C	cg05694847	rs10877011	0.403	0.134	1.50 (1.15, 1.95)	0.003	0.168	0.035	20
COPD in never-smokers	MYH14	cg10639981	rs630283	-0.333	0.111	0.72 (0.58, 0.89)	0.003	0.168	0.362	5
COPD in never-smokers	AIRE	cg26472802	rs111411199	-0.273	0.091	0.76 (0.64, 0.91)	0.003	0.168	0.012	17
COPD in never-smokers	PPT2;PRRT1	cg12883279	rs1061808	-0.393	0.133	0.67 (0.52, 0.88)	0.003	0.187	0.317	20
COPD in never-smokers	GSDMB	cg10057218	rs7224129	-0.107	0.036	0.90 (0.84, 0.96)	0.003	0.188	0.969	20
COPD in never-smokers	TRIM8	cg06662132	rs7475335	-0.311	0.106	0.73 (0.60, 0.90)	0.003	0.188	0.129	20
COPD in never-smokers	TRAF1	cg15551881	rs7021049	0.175	0.060	1.19 (1.06, 1.34)	0.004	0.202	0.429	20
COPD in never-smokers	SLC9A3R1	cg09978353	rs4789095	0.400	0.139	1.49 (1.14, 1.96)	0.004	0.214	0.345	8

COPD in never-smokers	ORMDL3	cg22144450	rs4795401	-0.102	0.036	0.90 (0.84, 0.97)	0.004	0.216	0.928	20
COPD in never-smokers	ORMDL3	cg12655416	rs8076131	-0.084	0.030	0.92 (0.87, 0.97)	0.004	0.231	0.626	20
COPD in never-smokers	DDX47	cg14463304	rs11834397	-0.352	0.125	0.70 (0.55, 0.90)	0.005	0.240	0.917	11
COPD in never-smokers	MTMR9	cg06240162	rs3808502	0.345	0.122	1.41 (1.11, 1.79)	0.005	0.242	0.325	20
COPD in never-smokers	ATP6V1C2	cg08803791	rs6737844	0.145	0.052	1.16 (1.04, 1.28)	0.005	0.250	0.077	20
COPD in never-smokers	BCL10	cg02862864	rs11576939	0.061	0.022	1.06 (1.02, 1.11)	0.006	0.274	0.642	20
COPD in never-smokers	ST20	cg21315874	rs17885346	-0.068	0.025	0.93 (0.89, 0.98)	0.006	0.280	0.732	18
COPD in never-smokers	GSDMA	cg26162295	rs55739615	-0.057	0.021	0.94 (0.91, 0.98)	0.007	0.280	0.606	20
COPD in never-smokers	GSDMA	cg24910161	rs55739615	-0.054	0.020	0.95 (0.91, 0.99)	0.007	0.280	0.630	20
COPD in never-smokers	PTGIS	cg15543919	rs493694	0.182	0.068	1.20 (1.05, 1.37)	0.007	0.280	0.937	19
COPD in never-smokers	PCGF2	cg02433498	rs11658841	-0.362	0.133	0.70 (0.54, 0.90)	0.006	0.280	0.460	9
COPD in never-smokers	ATP13A2	cg06953703	rs9435739	-0.329	0.122	0.72 (0.57, 0.91)	0.007	0.280	0.313	20
COPD in never-smokers	RPL8	cg19526425	rs2955196	0.256	0.095	1.29 (1.07, 1.56)	0.007	0.280	0.546	20
COPD in never-smokers	TRAF1	cg14392772	rs10985070	-0.217	0.080	0.81 (0.69, 0.94)	0.007	0.280	0.257	20
COPD in never-smokers	AP3D1	cg21414902	rs34615083	-0.283	0.106	0.75 (0.61, 0.93)	0.007	0.281	0.891	20
COPD in never-smokers	PTGIS	cg11746287	rs493694	0.213	0.080	1.24 (1.06, 1.45)	0.008	0.285	0.919	19
COPD in never-smokers	PROM2	cg09301143	rs2278067	-0.193	0.073	0.82 (0.71, 0.95)	0.008	0.285	0.241	17
COPD in never-smokers	MDM2	cg04667586	rs2701098	-0.293	0.111	0.75 (0.60, 0.93)	0.008	0.293	0.559	20
COPD in never-smokers	ORMDL3	cg19511844	rs12936231	0.159	0.060	1.17 (1.04, 1.32)	0.008	0.294	0.270	20
COPD in never-smokers	ITGAM	cg09326409	rs3815801	0.293	0.111	1.34 (1.08, 1.67)	0.008	0.294	0.621	19
COPD in never-smokers	ATP6V1C2	cg18436444	rs4630743	0.251	0.095	1.28 (1.07, 1.55)	0.009	0.294	0.056	19
COPD in never-smokers	PDCD10	cg18801567	rs9881917	0.157	0.060	1.17 (1.04, 1.32)	0.009	0.296	0.923	10
COPD in never-smokers	HYAL2	cg07271561	rs4688745	-0.180	0.070	0.84 (0.73, 0.96)	0.010	0.303	0.130	20
COPD in never-smokers	CD68	cg21808406	rs12942088	0.262	0.102	1.30 (1.06, 1.59)	0.010	0.307	0.127	18
COPD in never-smokers	TRAF1	cg14064762	rs1930785	0.184	0.072	1.20 (1.04, 1.38)	0.010	0.307	0.408	20
COPD in never-smokers	CD84	cg21454485	rs9726326	-0.273	0.108	0.76 (0.62, 0.94)	0.011	0.316	0.504	10
COPD in never-smokers	FHIT	cg25921543	rs212032	-0.253	0.100	0.78 (0.64, 0.94)	0.011	0.320	0.376	19
COPD in never-smokers	ITGAM	cg15337006	rs11865830	-0.306	0.121	0.74 (0.58, 0.93)	0.012	0.325	0.694	20
COPD in never-smokers	ITGAM	cg05625471	rs4594268	0.119	0.047	1.13 (1.03, 1.24)	0.012	0.331	0.319	20
COPD in never-smokers	CASP8AP2	cg13799429	rs6942026	-0.064	0.026	0.94 (0.89, 0.99)	0.013	0.339	0.202	20
COPD in never-smokers	RPL8	cg02578312	rs2958519	0.066	0.026	1.07 (1.01, 1.12)	0.013	0.339	0.640	20
COPD in never-smokers	RPTOR	cg06418238	rs1485329	0.076	0.031	1.08 (1.02, 1.15)	0.014	0.358	0.095	20
COPD in never-smokers	RPTOR	cg06153925	rs1485329	0.075	0.030	1.08 (1.02, 1.14)	0.014	0.358	0.138	20
COPD in never-smokers	TRAF1	cg04517263	rs1930785	0.287	0.117	1.33 (1.06, 1.68)	0.014	0.358	0.152	20
COPD in never-smokers	ITGAM	cg02256631	rs56392848	0.103	0.042	1.11 (1.02, 1.20)	0.014	0.358	0.202	20
COPD in never-smokers	SLC11A2	cg22789605	rs202167302	0.134	0.055	1.14 (1.03, 1.27)	0.014	0.358	0.397	20
COPD in never-smokers	RPL8	cg11631160	rs2958512	0.199	0.081	1.22 (1.04, 1.43)	0.015	0.360	0.708	20
COPD in never-smokers	GSDMB	cg12360886	rs2941519	-0.343	0.140	0.71 (0.54, 0.93)	0.015	0.361	0.753	20
COPD in never-smokers	P2RX4	cg16599007	rs2567993	-0.202	0.083	0.82 (0.69, 0.96)	0.016	0.374	0.606	10
COPD in never-smokers	BLK	cg24861686	rs10097870	-0.114	0.048	0.89 (0.81, 0.98)	0.018	0.397	0.748	20
COPD in never-smokers	STK25	cg09289202	rs6757649	-0.034	0.014	0.97 (0.94, 0.99)	0.017	0.397	0.466	20
COPD in never-smokers	PPP2R1B	cg09085632	rs560821	-0.052	0.022	0.95 (0.91, 0.99)	0.018	0.397	0.762	20

COPD in never-smokers	PPP2R1B	cg18213857	rs560821	-0.052	0.022	0.95 (0.91, 0.99)	0.018	0.397	0.720	20
COPD in never-smokers	GSDMA	cg10794714	rs4239225	-0.247	0.104	0.78 (0.64, 0.96)	0.018	0.397	0.049	20
COPD in never-smokers	PRKAB2	cg04870460	rs10900327	0.137	0.058	1.15 (1.02, 1.28)	0.018	0.398	0.826	15
COPD in never-smokers	RPTOR	cg26733897	rs3843963	-0.193	0.082	0.82 (0.70, 0.97)	0.018	0.402	0.503	20
COPD in never-smokers	PHLDA3	cg18569595	rs11590527	0.123	0.052	1.13 (1.02, 1.25)	0.018	0.402	0.963	20
COPD in never-smokers	EPO	cg20893717	rs221795	-0.322	0.137	0.72 (0.55, 0.95)	0.018	0.402	0.475	20
COPD in never-smokers	DAPL1	cg23560546	rs925781	-0.065	0.028	0.94 (0.89, 0.99)	0.019	0.405	0.593	20
COPD in never-smokers	PPP2R1B	cg23026420	rs560821	-0.136	0.058	0.87 (0.78, 0.98)	0.019	0.405	0.965	20
COPD in never-smokers	MUC1	cg22531371	rs12411216	0.265	0.113	1.30 (1.04, 1.63)	0.019	0.405	0.029	20
COPD in never-smokers	GATA4	cg01546563	rs1478898	0.230	0.099	1.26 (1.04, 1.53)	0.021	0.423	0.235	20
COPD in never-smokers	CDH1	cg13920367	rs35158985	-0.061	0.026	0.94 (0.89, 0.99)	0.021	0.423	0.501	20
COPD in never-smokers	GSDMA	cg08995595	rs12603481	-0.197	0.085	0.82 (0.69, 0.97)	0.021	0.423	0.125	20
COPD in never-smokers	RAF1	cg23032965	rs2348201	0.038	0.017	1.04 (1.01, 1.07)	0.022	0.442	0.789	20
COPD in never-smokers	PYCARD	cg00327577	rs4889639	-0.295	0.129	0.74 (0.58, 0.96)	0.023	0.444	0.654	13
COPD in never-smokers	AP3D1	cg09548694	rs12460763	-0.213	0.094	0.81 (0.67, 0.97)	0.023	0.446	0.546	20
COPD in never-smokers	NCOA4	cg12178669	rs7477953	0.082	0.036	1.09 (1.01, 1.17)	0.023	0.446	0.445	4
COPD in never-smokers	NCOA4	cg06098215	rs11006462	0.076	0.033	1.08 (1.01, 1.15)	0.023	0.446	0.646	4
COPD in never-smokers	NCOA4	cg16814786	rs11006462	0.089	0.039	1.09 (1.01, 1.18)	0.023	0.448	0.638	4
COPD in never-smokers	ITGAV	cg15732657	rs10174098	-0.156	0.069	0.86 (0.75, 0.98)	0.024	0.452	0.017	20
COPD in never-smokers	GSDMB	cg27435903	rs36095411	0.104	0.046	1.11 (1.01, 1.21)	0.024	0.454	0.116	20
COPD in never-smokers	SESN2	cg01172735	rs692921	0.289	0.128	1.34 (1.04, 1.72)	0.024	0.454	0.334	8
COPD in never-smokers	MNT	cg27406664	rs2429919	-0.044	0.020	0.96 (0.92, 0.99)	0.025	0.462	0.318	20
COPD in never-smokers	RAF1	cg13703021	rs2348201	0.152	0.068	1.16 (1.02, 1.33)	0.025	0.462	0.733	18
COPD in never-smokers	CD70	cg26737640	rs112136162	0.143	0.064	1.15 (1.02, 1.31)	0.025	0.462	0.059	20
COPD in never-smokers	RPTOR	cg06975080	rs61391154	0.073	0.033	1.08 (1.01, 1.15)	0.027	0.464	0.278	20
COPD in never-smokers	HPS6	cg14124646	rs1044258	-0.090	0.041	0.91 (0.84, 0.99)	0.028	0.464	0.028	20
COPD in never-smokers	GUSB	cg11987759	rs9530	-0.032	0.015	0.97 (0.94, 1.00)	0.028	0.464	0.546	20
COPD in never-smokers	DAPL1	cg09357934	rs2356509	-0.067	0.030	0.94 (0.88, 0.99)	0.028	0.464	0.484	20
COPD in never-smokers	PHLDA3	cg04055835	rs654072	-0.188	0.085	0.83 (0.70, 0.98)	0.026	0.464	0.808	20
COPD in never-smokers	CTSW	cg18410078	rs10791828	-0.067	0.030	0.93 (0.88, 0.99)	0.026	0.464	0.636	20
COPD in never-smokers	DAPL1	cg21992932	rs2356509	-0.058	0.027	0.94 (0.90, 0.99)	0.028	0.464	0.563	20
COPD in never-smokers	MSH6	cg02905881	rs3136282	0.172	0.077	1.19 (1.02, 1.38)	0.027	0.464	0.808	13
COPD in never-smokers	PTGIS	cg05932408	rs1875563	0.307	0.138	1.36 (1.04, 1.78)	0.026	0.464	0.968	12
COPD in never-smokers	UBE2K	cg05971751	rs1055582	-0.291	0.133	0.75 (0.58, 0.97)	0.029	0.464	0.553	8
COPD in never-smokers	FHIT	cg03060986	rs12498046	-0.214	0.097	0.81 (0.67, 0.98)	0.028	0.464	0.636	16
COPD in never-smokers	NCOA4	cg19322864	rs11006462	0.209	0.096	1.23 (1.02, 1.49)	0.028	0.464	0.290	4
COPD in never-smokers	MUC1	cg22500132	rs914615	0.192	0.088	1.21 (1.02, 1.44)	0.028	0.464	0.054	20
COPD in never-smokers	STX4	cg06233904	rs58726213	-0.149	0.068	0.86 (0.75, 0.98)	0.029	0.464	0.363	20
COPD in never-smokers	PPT2	cg04536704	rs9270120	0.146	0.067	1.16 (1.01, 1.32)	0.029	0.466	0.134	20
COPD in never-smokers	P2RX4	cg19357999	rs2686388	-0.046	0.021	0.95 (0.92, 1.00)	0.030	0.469	0.525	12
COPD in never-smokers	PEBP1	cg16572268	rs904661	-0.107	0.050	0.90 (0.82, 0.99)	0.030	0.469	0.357	20
COPD in never-smokers	RPTOR	cg14343513	rs34285166	0.083	0.039	1.09 (1.01, 1.17)	0.031	0.470	0.603	20

COPD in never-smokers	CLEC16A	cg10390979	rs9923856	0.197	0.092	1.22 (1.02, 1.46)	0.031	0.470	0.865	20
COPD in never-smokers	TFRC	cg16311045	rs113882129	-0.184	0.085	0.83 (0.70, 0.98)	0.031	0.470	0.978	20
COPD in never-smokers	NLRC4	cg14625450	rs212756	-0.126	0.059	0.88 (0.79, 0.99)	0.031	0.470	0.905	20
COPD in never-smokers	STX4	cg07404961	rs35961830	0.105	0.049	1.11 (1.01, 1.22)	0.031	0.471	0.416	20
COPD in never-smokers	RPTOR	cg05098037	rs34285166	0.096	0.045	1.10 (1.01, 1.20)	0.032	0.471	0.526	20
COPD in never-smokers	ATP6V0E2;LOC401431	cg18934443	rs4281041	0.133	0.062	1.14 (1.01, 1.29)	0.032	0.476	0.068	10
COPD in never-smokers	RPTOR	cg23238734	rs8073414	0.223	0.104	1.25 (1.02, 1.53)	0.032	0.476	0.885	20
COPD in never-smokers	LAPTM4A	cg17953136	rs6705765	0.170	0.080	1.19 (1.01, 1.39)	0.033	0.485	0.570	20
COPD in never-smokers	BCL10	cg23665568	rs1060846	-0.178	0.084	0.84 (0.71, 0.99)	0.033	0.485	0.471	20
COPD in never-smokers	TRIM27	cg27120125	rs3129793	-0.289	0.137	0.75 (0.57, 0.98)	0.035	0.491	0.092	20
COPD in never-smokers	TRIM27	cg09292581	rs3129793	-0.294	0.140	0.75 (0.57, 0.98)	0.035	0.491	0.010	16
COPD in never-smokers	TRIM27	cg27358207	rs3135315	0.252	0.120	1.29 (1.02, 1.63)	0.036	0.493	0.016	16
COPD in never-smokers	MSH6	cg04781916	rs17323768	-0.147	0.070	0.86 (0.75, 0.99)	0.036	0.493	0.945	20
COPD in never-smokers	PPT2	cg00086577	rs9268157	0.092	0.044	1.10 (1.01, 1.20)	0.036	0.493	0.106	20
COPD in never-smokers	PYCARD	cg07461837	rs8056505	0.068	0.033	1.07 (1.00, 1.14)	0.037	0.495	0.118	20
COPD in never-smokers	PPT2	cg04856022	rs9268157	0.122	0.059	1.13 (1.01, 1.27)	0.038	0.496	0.126	20
COPD in never-smokers	RPTOR	cg11499091	rs9915378	0.130	0.063	1.14 (1.01, 1.29)	0.038	0.496	0.186	20
COPD in never-smokers	FEZ2	cg15105969	rs4670149	-0.039	0.019	0.96 (0.93, 1.00)	0.039	0.496	0.246	20
COPD in never-smokers	SERPINE1	cg19722814	rs2410796	-0.157	0.076	0.86 (0.74, 0.99)	0.039	0.496	0.012	20
COPD in never-smokers	CX3CR1	cg18565762	rs10865886	0.045	0.022	1.05 (1.00, 1.09)	0.041	0.502	0.059	20
COPD in never-smokers	AP3B2	cg27279991	rs12439619	0.185	0.090	1.20 (1.01, 1.44)	0.041	0.502	0.233	20
COPD in never-smokers	SESN2	cg01557411	rs580693	0.046	0.023	1.05 (1.00, 1.10)	0.042	0.506	0.517	20
COPD in never-smokers	CLEC16A	cg27227804	rs7403919	-0.130	0.064	0.88 (0.77, 1.00)	0.042	0.506	0.446	20
COPD in never-smokers	ATP6V1C1	cg03506193	rs62525310	0.166	0.081	1.18 (1.01, 1.38)	0.042	0.506	0.553	20
COPD in never-smokers	ATP6V0E2;LOC401431	cg09469432	rs4725834	0.143	0.070	1.15 (1.01, 1.32)	0.042	0.506	0.131	13
COPD in never-smokers	CDH1	cg20716119	rs12923775	-0.141	0.069	0.87 (0.76, 1.00)	0.043	0.512	0.240	20
COPD in never-smokers	HGS	cg13309461	rs7406108	0.224	0.112	1.25 (1.00, 1.56)	0.046	0.530	0.494	13
COPD in never-smokers	TMEM102	cg18064787	rs12451961	-0.125	0.063	0.88 (0.78, 1.00)	0.047	0.532	0.555	20
COPD in never-smokers	ATP6V0E2;LOC401431	cg24845380	rs4725834	0.209	0.105	1.23 (1.00, 1.52)	0.047	0.532	0.235	10
COPD in never-smokers	IL13	cg13566430	rs2040705	-0.220	0.111	0.80 (0.65, 1.00)	0.048	0.532	0.529	7
COPD in never-smokers	RPTOR	cg09516200	rs4969404	0.099	0.050	1.10 (1.00, 1.22)	0.048	0.532	0.167	20
COPD in never-smokers	P2RX7	cg12121075	rs1653604	0.056	0.029	1.06 (1.00, 1.12)	0.049	0.532	0.762	18
COPD in never-smokers	ATP6V1E2	cg04944393	rs13025211	-0.197	0.100	0.82 (0.68, 1.00)	0.049	0.532	0.843	20
COPD in never-smokers	DAB2IP	cg14136214	rs7854651	-0.156	0.079	0.86 (0.73, 1.00)	0.048	0.532	0.557	20
COPD in never-smokers	CTSW	cg03887787	rs679147	-0.046	0.023	0.96 (0.91, 1.00)	0.049	0.533	0.687	20
COPD in never-smokers	CTSW	cg01669108	rs679147	-0.066	0.034	0.94 (0.88, 1.00)	0.049	0.535	0.757	20
COPD in never-smokers	PRKAG2	cg26482626	rs2374307	0.213	0.109	1.24 (1.00, 1.53)	0.049	0.535	0.366	9
COPD in never-smokers	GATA4	cg23972785	rs10086500	-0.080	0.041	0.92 (0.85, 1.00)	0.050	0.537	0.267	20

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SMR, Summary data-level Mendelian randomization; COPD, chronic obstructive pulmonary disease; OR, odds ratio; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim;

Table S19. Sensitivity analysis of associations between PCD-related gene methylation and COPD*

Outcome	Gene	probeID	nSNP	Method	Beta	SE	OR (95%CI)	P	Egger_intercept	P_Egger_intercept
Overall COPD	GSDMB	cg10057218	8	Inverse variance weighted	-0.073	0.023	0.93 (0.89, 0.97)	0.001	-0.021	0.224
Overall COPD	ITPRIP	cg27365978	4	Inverse variance weighted	-0.091	0.024	0.91 (0.87, 0.96)	1.45E-04	-0.011	0.675
Overall COPD	ORMDL3	cg10909506	14	Inverse variance weighted	-0.048	0.011	0.95 (0.93, 0.97)	4.48E-06	-0.016	0.164
Overall COPD	ORMDL3	cg18711369	14	Inverse variance weighted	-0.049	0.008	0.95 (0.94, 0.97)	2.26E-10	-0.011	0.173
Overall COPD	ITPRIP	cg22882506	2	Inverse variance weighted	-0.096	0.017	0.91 (0.88, 0.94)	1.22E-08	NA	NA
Overall COPD	ITPRIP	cg02682924	2	Inverse variance weighted	0.119	0.021	1.13 (1.08, 1.17)	1.77E-08	NA	NA
Overall COPD	GSDMB	cg27435903	3	Inverse variance weighted	0.108	0.022	1.11 (1.07, 1.16)	1.15E-06	0.020	0.562
Overall COPD	ITPRIP	cg11276172	1	Wald ratio	0.152	0.029	1.16 (1.10, 1.23)	1.10E-07	NA	NA
Overall COPD	GPX1	cg07274523	6	Inverse variance weighted	-0.083	0.018	0.92 (0.89, 0.95)	5.11E-06	-0.010	0.525
Overall COPD	ORMDL3	cg22144450	8	Inverse variance weighted	-0.073	0.010	0.93 (0.91, 0.95)	1.73E-12	-0.017	0.131
Overall COPD	ITPRIP	cg25552843	1	Wald ratio	0.184	0.035	1.20 (1.12, 1.29)	1.60E-07	NA	NA
Overall COPD	ITPRIP	cg24168991	22	Inverse variance weighted	0.037	0.006	1.04 (1.03, 1.05)	1.97E-11	0.007	0.104
Overall COPD	ITPRIP	cg24199006	1	Wald ratio	-0.189	0.036	0.83 (0.77, 0.89)	1.71E-07	NA	NA
Overall COPD	ORMDL3	cg19511844	1	Wald ratio	0.253	0.056	1.29 (1.15, 1.44)	6.10E-06	NA	NA
Overall COPD	ORMDL3	cg12655416	9	Inverse variance weighted	-0.063	0.017	0.94 (0.91, 0.97)	2.56E-04	-0.018	0.154
Overall COPD	GSDMA	cg24910161	11	Inverse variance weighted	-0.045	0.007	0.96 (0.94, 0.97)	1.90E-10	-0.013	0.063
Overall COPD	GSDMA	cg26162295	9	Inverse variance weighted	-0.048	0.007	0.95 (0.94, 0.97)	4.22E-11	-0.015	0.117
Overall COPD	ATP2A1	cg04414917	4	Inverse variance weighted	-0.065	0.014	0.94 (0.91, 0.96)	4.58E-06	0.004	0.746
Overall COPD	STX4	cg07404961	4	Inverse variance weighted	0.087	0.026	1.09 (1.04, 1.15)	7.25E-04	0.014	0.613
Overall COPD	ITPRIP	cg19640166	1	Wald ratio	0.271	0.052	1.31 (1.19, 1.45)	1.60E-07	NA	NA
Overall COPD	STX4	cg08893833	1	Wald ratio	-0.168	0.039	0.85 (0.78, 0.91)	1.39E-05	NA	NA
Overall COPD	STX4	cg06233904	1	Wald ratio	-0.120	0.029	0.89 (0.84, 0.94)	3.94E-05	NA	NA
Overall COPD	CDC42	cg11572548	2	Inverse variance weighted	-0.080	0.019	0.92 (0.89, 0.96)	3.26E-05	NA	NA
Overall COPD	FBXO31;MAP1LC3B	cg06750038	10	Inverse variance weighted	-0.042	0.013	0.96 (0.94, 0.98)	0.001	0.006	0.545
Overall COPD	LEPR	cg14199090	2	Inverse variance weighted	0.068	0.028	1.07 (1.01, 1.13)	0.014	NA	NA
Overall COPD	CDC42	cg23987736	3	Inverse variance weighted	-0.063	0.025	0.94 (0.89, 0.99)	0.011	0.011	0.648
Overall COPD	NCK1	cg09847234	1	Wald ratio	-0.107	0.027	0.90 (0.85, 0.95)	8.54E-05	NA	NA
Overall COPD	CSF2	cg16565692	1	Wald ratio	-0.114	0.029	0.89 (0.84, 0.94)	9.64E-05	NA	NA
Overall COPD	ATP2A1	cg05966235	8	Inverse variance weighted	0.028	0.009	1.03 (1.01, 1.05)	0.003	-0.007	0.430
Overall COPD	GSDMA	cg08995595	1	Wald ratio	-0.110	0.041	0.90 (0.83, 0.97)	0.008	NA	NA
Overall COPD	NUPR1	cg01542023	3	Inverse variance weighted	-0.051	0.022	0.95 (0.91, 0.99)	0.023	0.016	0.431
Overall COPD	GSDMA	cg10794714	1	Wald ratio	-0.156	0.040	0.86 (0.79, 0.92)	8.28E-05	NA	NA
Overall COPD	ATP2A1	cg08213689	1	Wald ratio	0.198	0.051	1.22 (1.10, 1.35)	1.13E-04	NA	NA
Overall COPD	PPP1CA	cg12939085	3	Inverse variance weighted	-0.060	0.027	0.94 (0.89, 0.99)	0.028	0.001	0.989
Overall COPD	SGMS1	cg20014988	3	Inverse variance weighted	0.057	0.015	1.06 (1.03, 1.09)	1.71E-04	-0.017	0.718
Overall COPD	IFI27L2	cg19511435	12	Inverse variance weighted	0.028	0.013	1.03 (1.00, 1.06)	0.038	-0.002	0.892
Overall COPD	GSDMB	cg12360886	1	Wald ratio	-0.219	0.054	0.80 (0.72, 0.89)	5.35E-05	NA	NA
Overall COPD	BLK	cg04335815	3	Inverse variance weighted	-0.087	0.020	0.92 (0.88, 0.95)	2.13E-05	0.036	0.662
Overall COPD	GAB2	cg13319772	1	Wald ratio	-0.135	0.038	0.87 (0.81, 0.94)	4.13E-04	NA	NA
Overall COPD	DYRK2	cg19817165	1	Wald ratio	-0.106	0.031	0.90 (0.85, 0.96)	7.26E-04	NA	NA

Overall COPD	BLK	cg24861686	12	Inverse variance weighted	-0.067	0.012	0.94 (0.91, 0.96)	1.20E-08	0.005	0.638
Overall COPD	WNT4	cg17022577	4	Inverse variance weighted	0.075	0.021	1.08 (1.03, 1.12)	3.30E-04	-0.008	0.491
Overall COPD	DYRK2	cg09135343	1	Wald ratio	-0.117	0.035	0.89 (0.83, 0.95)	7.26E-04	NA	NA
Overall COPD	RAB7A	cg26867765	1	Wald ratio	-0.084	0.026	0.92 (0.87, 0.97)	0.001	NA	NA
Overall COPD	DEDD	cg15516558	8	Inverse variance weighted	-0.052	0.014	0.95 (0.92, 0.98)	1.67E-04	-0.010	0.244
Overall COPD	MAP1LC3B;FBXO31	cg23636419	1	Wald ratio	-0.180	0.051	0.83 (0.76, 0.92)	3.56E-04	NA	NA
Overall COPD	ATP2A1	cg27473355	1	Wald ratio	0.163	0.049	1.18 (1.07, 1.30)	8.41E-04	NA	NA
Overall COPD	NUPR1	cg05590982	1	Wald ratio	0.152	0.046	1.16 (1.06, 1.27)	9.04E-04	NA	NA
Overall COPD	ARSB	cg27361227	1	Wald ratio	-0.128	0.038	0.88 (0.82, 0.95)	8.14E-04	NA	NA
Overall COPD	WNT4	cg12098183	1	Wald ratio	0.134	0.042	1.14 (1.05, 1.24)	0.001	NA	NA
Overall COPD	LIPA	cg17741809	9	Inverse variance weighted	-0.032	0.009	0.97 (0.95, 0.99)	5.82E-04	0.001	0.833
Overall COPD	MTMR9	cg06240162	1	Wald ratio	0.169	0.049	1.18 (1.08, 1.30)	5.68E-04	NA	NA
Overall COPD	PPP1R13B	cg18137598	14	Inverse variance weighted	-0.036	0.007	0.96 (0.95, 0.98)	2.89E-07	-0.003	0.475
Overall COPD	IDUA	cg08160350	4	Inverse variance weighted	-0.079	0.017	0.92 (0.89, 0.96)	2.97E-06	-0.002	0.861
Overall COPD	DNM1L	cg24786579	1	Wald ratio	0.109	0.033	1.11 (1.04, 1.19)	0.001	NA	NA
Overall COPD	IL12A	cg20515136	1	Wald ratio	0.200	0.050	1.22 (1.11, 1.35)	5.32E-05	NA	NA
Overall COPD	GAB2	cg26672202	5	Inverse variance weighted	0.025	0.010	1.03 (1.01, 1.05)	0.009	-0.019	0.272
Overall COPD	TOP3A;SMCR8	cg23045404	1	Wald ratio	0.174	0.051	1.19 (1.08, 1.31)	5.75E-04	NA	NA
Overall COPD	IDUA	cg00187933	2	Inverse variance weighted	-0.092	0.023	0.91 (0.87, 0.95)	7.01E-05	NA	NA
Overall COPD	GSK3B	cg14479617	7	Inverse variance weighted	-0.028	0.010	0.97 (0.95, 0.99)	0.005	0.010	0.348
Overall COPD	NAPSA	cg08194323	1	Wald ratio	-0.100	0.037	0.90 (0.84, 0.97)	0.006	NA	NA
Overall COPD	IDUA	cg08332990	2	Inverse variance weighted	-0.104	0.026	0.90 (0.86, 0.95)	7.34E-05	NA	NA
Overall COPD	HSPA1B	cg24239961	18	Inverse variance weighted	0.042	0.007	1.04 (1.03, 1.06)	9.08E-09	0.003	0.573
Overall COPD	HSPA1B	cg04835051	8	Inverse variance weighted	0.066	0.013	1.07 (1.04, 1.10)	5.63E-07	0.014	0.271
Overall COPD	HSPA1B	cg16372051	5	Inverse variance weighted	0.050	0.014	1.05 (1.02, 1.08)	3.16E-04	0.010	0.499
Overall COPD	WAC	cg04045419	5	Inverse variance weighted	0.038	0.014	1.04 (1.01, 1.07)	0.005	0.005	0.572
Overall COPD	GAB2	cg25502267	1	Wald ratio	-0.115	0.038	0.89 (0.83, 0.96)	0.002	NA	NA
Overall COPD	BID	cg01388022	1	Wald ratio	-0.116	0.034	0.89 (0.83, 0.95)	5.80E-04	NA	NA
Overall COPD	AP4S1	cg15911493	1	Wald ratio	0.109	0.037	1.11 (1.04, 1.20)	0.003	NA	NA
Overall COPD	RHOT2;WDR90	cg07375207	1	Wald ratio	-0.076	0.027	0.93 (0.88, 0.98)	0.004	NA	NA
Overall COPD	FBXW7	cg11089117	1	Wald ratio	0.036	0.013	1.04 (1.01, 1.06)	0.005	NA	NA
Overall COPD	CLEC16A	cg27227804	2	Inverse variance weighted	-0.068	0.022	0.93 (0.89, 0.98)	0.002	NA	NA
Overall COPD	BLK	cg21701351	35	Inverse variance weighted	-0.036	0.007	0.96 (0.95, 0.98)	1.40E-07	-0.010	0.051
Overall COPD	RHOT2;WDR90	cg00904273	1	Wald ratio	0.121	0.042	1.13 (1.04, 1.22)	0.003	NA	NA
Overall COPD	CSF2	cg16465129	2	Inverse variance weighted	-0.088	0.028	0.92 (0.87, 0.97)	0.002	NA	NA
Overall COPD	CD3E	cg08956138	2	Inverse variance weighted	-0.079	0.023	0.92 (0.88, 0.97)	6.40E-04	NA	NA
Overall COPD	TGFB2	cg01558923	1	Wald ratio	0.073	0.027	1.08 (1.02, 1.13)	0.006	NA	NA
Overall COPD	BAG3	cg10673740	3	Inverse variance weighted	-0.049	0.024	0.95 (0.91, 1.00)	0.040	0.026	0.620
Overall COPD	HRAS	cg12989344	3	Inverse variance weighted	-0.045	0.017	0.96 (0.93, 0.99)	0.007	0.001	0.970
Overall COPD	PPT2	cg04856022	14	Inverse variance weighted	0.066	0.010	1.07 (1.05, 1.09)	4.98E-11	0.009	0.166
Overall COPD	PPT2	cg03434432	23	Inverse variance weighted	0.022	0.007	1.02 (1.01, 1.04)	0.002	-0.006	0.284
Overall COPD	PPT2	cg06832687	10	Inverse variance weighted	0.080	0.019	1.08 (1.04, 1.12)	2.25E-05	0.008	0.364

Overall COPD	GFAP	cg20911989	10	Inverse variance weighted	-0.037	0.009	0.96 (0.95, 0.98)	8.59E-05	0.003	0.628
Overall COPD	SPTLC2	cg23187727	3	Inverse variance weighted	0.066	0.021	1.07 (1.03, 1.11)	0.002	-0.007	0.690
Overall COPD	FADS2	cg19610905	12	Inverse variance weighted	0.019	0.006	1.02 (1.01, 1.03)	0.001	-0.001	0.845
Overall COPD	WAC	cg05797732	1	Wald ratio	-0.124	0.043	0.88 (0.81, 0.96)	0.004	NA	NA
Overall COPD	VPS4A	cg03174963	1	Wald ratio	0.120	0.042	1.13 (1.04, 1.22)	0.004	NA	NA
Overall COPD	TGFB2	cg27508144	1	Wald ratio	0.075	0.028	1.08 (1.02, 1.14)	0.006	NA	NA
Overall COPD	CLEC16A	cg10390979	1	Wald ratio	0.074	0.027	1.08 (1.02, 1.14)	0.007	NA	NA
Overall COPD	GFAP	cg23016243	5	Inverse variance weighted	0.045	0.015	1.05 (1.02, 1.08)	0.003	0.005	0.626
Overall COPD	SNX4	cg12083990	1	Wald ratio	0.091	0.035	1.09 (1.02, 1.17)	0.009	NA	NA
Overall COPD	FADS2	cg11250194	15	Inverse variance weighted	0.019	0.006	1.02 (1.01, 1.03)	8.87E-04	-0.005	0.370
Overall COPD	PPT2	cg24509300	3	Inverse variance weighted	0.085	0.021	1.09 (1.04, 1.13)	5.34E-05	0.016	0.458
Overall COPD	NPC1	cg06830800	4	Inverse variance weighted	-0.052	0.015	0.95 (0.92, 0.98)	6.08E-04	-0.014	0.365
Overall COPD	RAB7A	cg15033153	5	Inverse variance weighted	-0.029	0.010	0.97 (0.95, 0.99)	0.003	0.000	0.961
Overall COPD	TGFB2	cg17934824	1	Wald ratio	0.093	0.034	1.10 (1.03, 1.17)	0.007	NA	NA
Overall COPD	PPT2	cg04877280	2	Inverse variance weighted	0.109	0.026	1.12 (1.06, 1.17)	2.80E-05	NA	NA
Overall COPD	MIR210	cg08200293	2	Inverse variance weighted	0.061	0.019	1.06 (1.02, 1.10)	0.001	NA	NA
Overall COPD	TNF	cg21222743	2	Inverse variance weighted	0.100	0.035	1.10 (1.03, 1.18)	0.004	NA	NA
Overall COPD	TMEM161A	cg19262631	1	Wald ratio	-0.154	0.054	0.86 (0.77, 0.95)	0.004	NA	NA
Overall COPD	NDUFA13;TSSK6	cg03233793	1	Wald ratio	0.070	0.027	1.07 (1.02, 1.13)	0.009	NA	NA
Overall COPD	PPT2	cg21241317	2	Inverse variance weighted	0.105	0.042	1.11 (1.02, 1.21)	0.013	NA	NA
Overall COPD	BCL3	cg16094954	11	Inverse variance weighted	0.027	0.009	1.03 (1.01, 1.04)	0.001	0.008	0.310
Overall COPD	ATP6V0A2	cg06735598	12	Inverse variance weighted	0.020	0.009	1.02 (1.00, 1.04)	0.022	-0.006	0.391
Overall COPD	ERCC4	cg03927470	4	Inverse variance weighted	-0.026	0.013	0.97 (0.95, 1.00)	0.044	0.009	0.481
Overall COPD	EIF2AK4	cg06753055	8	Inverse variance weighted	-0.019	0.007	0.98 (0.97, 0.99)	0.004	-0.002	0.616
Overall COPD	GFAP	cg16343401	14	Inverse variance weighted	-0.029	0.007	0.97 (0.96, 0.99)	1.19E-04	0.002	0.760
Overall COPD	ATP13A2	cg22045253	4	Inverse variance weighted	-0.032	0.014	0.97 (0.94, 1.00)	0.024	0.004	0.807
Overall COPD	PPT2	cg00086577	19	Inverse variance weighted	0.050	0.009	1.05 (1.03, 1.07)	6.91E-09	0.001	0.919
Overall COPD	PPT2;PRRT1	cg23359665	1	Wald ratio	-0.113	0.036	0.89 (0.83, 0.96)	0.002	NA	NA
Overall COPD	PPT2;PRRT1	cg02956248	1	Wald ratio	-0.118	0.038	0.89 (0.83, 0.96)	0.002	NA	NA
Overall COPD	PPT2;PRRT1	cg06108383	1	Wald ratio	-0.117	0.037	0.89 (0.83, 0.96)	0.002	NA	NA
Overall COPD	CD164	cg09416154	2	Inverse variance weighted	-0.066	0.023	0.94 (0.89, 0.98)	0.005	NA	NA
Overall COPD	NDUFA13;TSSK6	cg07624705	2	Inverse variance weighted	0.049	0.018	1.05 (1.01, 1.09)	0.007	NA	NA
Overall COPD	KDM4A	cg20942219	1	Wald ratio	0.087	0.033	1.09 (1.02, 1.16)	0.008	NA	NA
Overall COPD	ACER2	cg14628274	1	Wald ratio	0.096	0.037	1.10 (1.03, 1.18)	0.008	NA	NA
Overall COPD	PPT2;PRRT1	cg17113856	1	Wald ratio	-0.092	0.035	0.91 (0.85, 0.98)	0.009	NA	NA
Overall COPD	ATP6V0A2	cg21179092	1	Wald ratio	-0.075	0.029	0.93 (0.88, 0.98)	0.009	NA	NA
Overall COPD	NDUFA13;TSSK6	cg08331981	1	Wald ratio	0.067	0.026	1.07 (1.02, 1.13)	0.010	NA	NA
Overall COPD	NAPSA	cg25286393	1	Wald ratio	-0.068	0.028	0.93 (0.88, 0.99)	0.013	NA	NA
Overall COPD	BID	cg26427090	1	Wald ratio	-0.077	0.031	0.93 (0.87, 0.98)	0.014	NA	NA
Overall COPD	ITPR1	cg09654471	4	Inverse variance weighted	0.021	0.008	1.02 (1.01, 1.04)	0.008	-0.004	0.643
Overall COPD	SERPINE1	cg17968347	1	Wald ratio	0.070	0.027	1.07 (1.02, 1.13)	0.010	NA	NA
Overall COPD	GSTP1	cg11566244	12	Inverse variance weighted	-0.020	0.007	0.98 (0.97, 0.99)	0.004	0.006	0.341

Overall COPD	ATP6V0A2	cg02460419	8	Inverse variance weighted	-0.036	0.017	0.96 (0.93, 1.00)	0.030	0.006	0.645
Overall COPD	UACA	cg09345916	1	Wald ratio	-0.148	0.053	0.86 (0.78, 0.96)	0.005	NA	NA
Overall COPD	FADS2	cg07005513	1	Wald ratio	0.091	0.035	1.10 (1.02, 1.17)	0.009	NA	NA
Overall COPD	GSTP1	cg09038676	7	Inverse variance weighted	-0.037	0.011	0.96 (0.94, 0.99)	9.55E-04	-0.001	0.912
Overall COPD	PPT2;PRRT1	cg13934406	1	Wald ratio	-0.127	0.048	0.88 (0.80, 0.97)	0.008	NA	NA
Overall COPD	FADS2	cg07591205	1	Wald ratio	-0.095	0.036	0.91 (0.85, 0.98)	0.009	NA	NA
Overall COPD	MYH9	cg23015219	5	Inverse variance weighted	0.023	0.012	1.02 (1.00, 1.05)	0.049	-0.018	0.236
Overall COPD	EYA4	cg17985029	12	Inverse variance weighted	-0.019	0.007	0.98 (0.97, 1.00)	0.010	0.004	0.438
Overall COPD	CASP9	cg14078231	6	Inverse variance weighted	-0.030	0.014	0.97 (0.94, 1.00)	0.025	0.012	0.248
Overall COPD	STAT5B	cg19465320	2	Inverse variance weighted	-0.088	0.028	0.92 (0.87, 0.97)	0.001	NA	NA
Overall COPD	TNF	cg10717214	1	Wald ratio	0.155	0.049	1.17 (1.06, 1.29)	0.002	NA	NA
Overall COPD	SHISA5	cg14494596	2	Inverse variance weighted	0.062	0.024	1.06 (1.01, 1.12)	0.011	NA	NA
Overall COPD	BMF	cg02313495	6	Inverse variance weighted	0.015	0.006	1.02 (1.00, 1.03)	0.012	0.000	0.940
Overall COPD	PPT2;PRRT1	cg06025456	1	Wald ratio	-0.144	0.050	0.87 (0.79, 0.95)	0.004	NA	NA
Overall COPD	GSTP1	cg06928838	1	Wald ratio	-0.055	0.022	0.95 (0.91, 0.99)	0.013	NA	NA
Overall COPD	PPT2	cg03995156	8	Inverse variance weighted	0.065	0.019	1.07 (1.03, 1.11)	5.06E-04	-0.001	0.939
Overall COPD	PPT2	cg27070869	1	Wald ratio	0.140	0.045	1.15 (1.05, 1.26)	0.002	NA	NA
Overall COPD	SLC30A2	cg01689405	1	Wald ratio	0.076	0.030	1.08 (1.02, 1.15)	0.012	NA	NA
Overall COPD	GATA4	cg13293535	13	Inverse variance weighted	-0.033	0.015	0.97 (0.94, 1.00)	0.032	-0.015	0.125
Overall COPD	IL13	cg04303330	4	Inverse variance weighted	-0.065	0.028	0.94 (0.89, 0.99)	0.021	-0.020	0.249
Overall COPD	HRAS	cg08141873	10	Inverse variance weighted	-0.030	0.011	0.97 (0.95, 0.99)	0.005	-0.012	0.271
Overall COPD	KIF25	cg21477075	6	Inverse variance weighted	0.022	0.011	1.02 (1.00, 1.04)	0.039	0.009	0.484
Overall COPD	SLC30A3	cg23587288	6	Inverse variance weighted	0.061	0.019	1.06 (1.02, 1.10)	0.001	0.007	0.496
Overall COPD	RPTOR	cg09592546	10	Inverse variance weighted	-0.016	0.007	0.98 (0.97, 1.00)	0.027	0.004	0.611
Overall COPD	E2F2	cg11526198	3	Inverse variance weighted	0.048	0.018	1.05 (1.01, 1.09)	0.008	0.007	0.661
Overall COPD	ARSB	cg10864794	7	Inverse variance weighted	-0.031	0.011	0.97 (0.95, 0.99)	0.003	0.002	0.828
Overall COPD	PPT2;PRRT1	cg10551329	1	Wald ratio	-0.169	0.054	0.84 (0.76, 0.94)	0.002	NA	NA
Overall COPD	LEPR	cg23688719	2	Inverse variance weighted	0.063	0.021	1.06 (1.02, 1.11)	0.002	NA	NA
Overall COPD	GAB2	cg12700464	1	Wald ratio	-0.211	0.078	0.81 (0.69, 0.94)	0.007	NA	NA
Overall COPD	GAB2	cg13226797	1	Wald ratio	-0.115	0.043	0.89 (0.82, 0.97)	0.007	NA	NA
Overall COPD	VDAC3	cg17910564	1	Wald ratio	-0.126	0.047	0.88 (0.80, 0.97)	0.008	NA	NA
Overall COPD	E2F2	cg24254937	2	Inverse variance weighted	0.058	0.022	1.06 (1.01, 1.11)	0.008	NA	NA
Overall COPD	PIP4K2B	cg27142680	1	Wald ratio	0.103	0.040	1.11 (1.02, 1.20)	0.010	NA	NA
Overall COPD	GFAP	cg10855825	1	Wald ratio	-0.104	0.041	0.90 (0.83, 0.98)	0.011	NA	NA
Overall COPD	GFAP	cg02407342	1	Wald ratio	-0.105	0.041	0.90 (0.83, 0.98)	0.011	NA	NA
Overall COPD	MUC1	cg22531371	1	Wald ratio	0.115	0.045	1.12 (1.03, 1.23)	0.011	NA	NA
Overall COPD	SKIL	cg14612335	1	Wald ratio	0.101	0.040	1.11 (1.02, 1.20)	0.012	NA	NA
Overall COPD	NOD2	cg26954174	1	Wald ratio	-0.081	0.033	0.92 (0.87, 0.98)	0.012	NA	NA
Overall COPD	MYH9	cg10662871	2	Inverse variance weighted	0.058	0.023	1.06 (1.01, 1.11)	0.013	NA	NA
Overall COPD	EYA4	cg21296676	1	Wald ratio	-0.074	0.030	0.93 (0.88, 0.98)	0.014	NA	NA
Overall COPD	EYA4	cg13912545	1	Wald ratio	-0.072	0.029	0.93 (0.88, 0.99)	0.014	NA	NA
Overall COPD	CD164	cg08222271	1	Wald ratio	-0.063	0.026	0.94 (0.89, 0.99)	0.015	NA	NA

Overall COPD	EIF2AK4	cg02712587	1	Wald ratio	0.074	0.030	1.08 (1.01, 1.14)	0.015	NA	NA
Overall COPD	CHAD;ACSF2	cg15880760	1	Wald ratio	-0.071	0.029	0.93 (0.88, 0.99)	0.015	NA	NA
Overall COPD	GATA4	cg26020513	2	Inverse variance weighted	0.085	0.038	1.09 (1.01, 1.17)	0.023	NA	NA
Overall COPD	CHAD;ACSF2	cg22627841	2	Inverse variance weighted	-0.053	0.024	0.95 (0.90, 0.99)	0.025	NA	NA
Overall COPD	PERP	cg24555822	1	Wald ratio	0.066	0.027	1.07 (1.01, 1.13)	0.015	NA	NA
Overall COPD	FADS2	cg06781209	16	Inverse variance weighted	0.019	0.006	1.02 (1.01, 1.03)	0.003	-0.007	0.144
Overall COPD	FADS2	cg01400685	12	Inverse variance weighted	0.023	0.007	1.02 (1.01, 1.04)	7.07E-04	-0.004	0.519
Overall COPD	FADS2	cg21709803	11	Inverse variance weighted	0.025	0.007	1.03 (1.01, 1.04)	2.13E-04	0.003	0.588
Overall COPD	FADS2	cg25324164	12	Inverse variance weighted	0.025	0.007	1.03 (1.01, 1.04)	2.66E-04	0.002	0.632
Overall COPD	FADS2	cg00603274	14	Inverse variance weighted	0.023	0.007	1.02 (1.01, 1.04)	5.83E-04	-0.002	0.782
Overall COPD	SH3RF1	cg07082484	9	Inverse variance weighted	-0.031	0.010	0.97 (0.95, 0.99)	0.003	-0.013	0.158
Overall COPD	PERP	cg06595927	10	Inverse variance weighted	0.021	0.008	1.02 (1.01, 1.04)	0.008	-0.005	0.427
Overall COPD	RPS27L	cg26210447	7	Inverse variance weighted	0.038	0.012	1.04 (1.02, 1.06)	0.001	0.004	0.738
Overall COPD	CD3E	cg27354586	7	Inverse variance weighted	-0.026	0.009	0.97 (0.96, 0.99)	0.004	0.002	0.837
Overall COPD	CASP9	cg05660106	16	Inverse variance weighted	-0.017	0.006	0.98 (0.97, 0.99)	0.003	0.001	0.888
Overall COPD	WDR35	cg22939193	1	Wald ratio	-0.121	0.047	0.89 (0.81, 0.97)	0.011	NA	NA
Overall COPD	DDIT4	cg20897136	1	Wald ratio	-0.117	0.046	0.89 (0.81, 0.97)	0.011	NA	NA
Overall COPD	STAT5A	cg05117208	2	Inverse variance weighted	0.047	0.019	1.05 (1.01, 1.09)	0.012	NA	NA
Overall COPD	CLEC16A	cg01238858	1	Wald ratio	0.098	0.039	1.10 (1.02, 1.19)	0.013	NA	NA
Overall COPD	VPS4A	cg26468152	1	Wald ratio	-0.090	0.037	0.91 (0.85, 0.98)	0.014	NA	NA
Overall COPD	ACSF2;CHAD	cg06958829	1	Wald ratio	-0.083	0.034	0.92 (0.86, 0.98)	0.015	NA	NA
Overall COPD	STAT5B	cg18810026	1	Wald ratio	0.057	0.024	1.06 (1.01, 1.11)	0.017	NA	NA
Overall COPD	NEDD4	cg02198044	1	Wald ratio	-0.064	0.027	0.94 (0.89, 0.99)	0.018	NA	NA
Overall COPD	PPT2	cg08295094	16	Inverse variance weighted	-0.037	0.015	0.96 (0.94, 0.99)	0.014	-0.002	0.807
Overall COPD	DDIT4	cg10592592	1	Wald ratio	-0.123	0.049	0.88 (0.80, 0.97)	0.011	NA	NA
Overall COPD	EYA4	cg21390624	1	Wald ratio	-0.096	0.039	0.91 (0.84, 0.98)	0.014	NA	NA
Overall COPD	DCC	cg25602457	1	Wald ratio	-0.049	0.021	0.95 (0.91, 0.99)	0.019	NA	NA
Overall COPD	SH3RF1	cg12257055	3	Inverse variance weighted	-0.035	0.016	0.97 (0.94, 1.00)	0.031	0.021	0.526
Overall COPD	MMP9	cg09149648	1	Wald ratio	-0.100	0.041	0.90 (0.84, 0.98)	0.014	NA	NA
Overall COPD	ACSF2;CHAD	cg17890928	1	Wald ratio	-0.096	0.039	0.91 (0.84, 0.98)	0.015	NA	NA
Overall COPD	FADS2	cg14911132	6	Inverse variance weighted	0.043	0.012	1.04 (1.02, 1.07)	5.17E-04	0.003	0.705
Overall COPD	NFKBIA	cg16518861	20	Inverse variance weighted	-0.024	0.005	0.98 (0.97, 0.99)	3.25E-06	0.001	0.820
Overall COPD	NFKBIA	cg04545963	16	Inverse variance weighted	-0.025	0.007	0.97 (0.96, 0.99)	1.20E-04	0.000	0.935
Overall COPD	NFKBIA	cg00689225	20	Inverse variance weighted	-0.027	0.006	0.97 (0.96, 0.98)	2.34E-06	0.000	0.955
Overall COPD	SHISA5	cg07378590	1	Wald ratio	0.144	0.057	1.15 (1.03, 1.29)	0.012	NA	NA
Overall COPD	ACSF2	cg14767768	1	Wald ratio	0.108	0.044	1.11 (1.02, 1.22)	0.014	NA	NA
Overall COPD	MAPK9	cg03605361	1	Wald ratio	-0.105	0.043	0.90 (0.83, 0.98)	0.015	NA	NA
Overall COPD	ACSF2;CHAD	cg25792518	1	Wald ratio	-0.102	0.042	0.90 (0.83, 0.98)	0.015	NA	NA
Overall COPD	ERCC4	cg24091698	1	Wald ratio	-0.097	0.040	0.91 (0.84, 0.98)	0.016	NA	NA
Overall COPD	GATA4	cg04880278	1	Wald ratio	-0.081	0.034	0.92 (0.86, 0.99)	0.017	NA	NA
Overall COPD	MUC1	cg22500132	1	Wald ratio	0.082	0.034	1.09 (1.01, 1.16)	0.017	NA	NA
Overall COPD	ERBB3	cg00907267	1	Wald ratio	-0.101	0.042	0.90 (0.83, 0.98)	0.017	NA	NA

Overall COPD	CUL4A	cg10914120	1	Wald ratio	0.078	0.033	1.08 (1.01, 1.15)	0.018	NA	NA
Overall COPD	STAT5A	cg03001305	1	Wald ratio	-0.081	0.034	0.92 (0.86, 0.99)	0.018	NA	NA
Overall COPD	VPS4A	cg26979197	2	Inverse variance weighted	-0.043	0.021	0.96 (0.92, 1.00)	0.040	NA	NA
Overall COPD	RPTOR	cg22386583	5	Inverse variance weighted	0.031	0.012	1.03 (1.01, 1.06)	0.007	0.003	0.721
Overall COPD	STAT5A	cg06357561	1	Wald ratio	-0.086	0.036	0.92 (0.85, 0.99)	0.018	NA	NA
Overall COPD	IL13	cg13566430	4	Inverse variance weighted	-0.073	0.033	0.93 (0.87, 0.99)	0.027	-0.021	0.256
Overall COPD	SIVA1	cg19495714	2	Inverse variance weighted	-0.052	0.019	0.95 (0.91, 0.99)	0.006	NA	NA
Overall COPD	WNT4	cg02839875	1	Wald ratio	-0.115	0.047	0.89 (0.81, 0.98)	0.014	NA	NA
Overall COPD	CHAD;ACSF2	cg13764778	1	Wald ratio	-0.119	0.048	0.89 (0.81, 0.98)	0.014	NA	NA
Overall COPD	CUL4A	cg17689702	1	Wald ratio	0.075	0.032	1.08 (1.01, 1.15)	0.018	NA	NA
Overall COPD	LGALS8	cg08137948	2	Inverse variance weighted	-0.047	0.017	0.95 (0.92, 0.99)	0.006	NA	NA
Overall COPD	STAT5A	cg20388732	1	Wald ratio	0.062	0.027	1.06 (1.01, 1.12)	0.021	NA	NA
Overall COPD	PRKAA1	cg13345558	1	Wald ratio	0.074	0.033	1.08 (1.01, 1.15)	0.024	NA	NA
Overall COPD	DCC	cg25818763	1	Wald ratio	0.090	0.038	1.09 (1.02, 1.18)	0.018	NA	NA
Overall COPD	TRAF1	cg14392772	1	Wald ratio	0.072	0.031	1.07 (1.01, 1.14)	0.020	NA	NA
Overall COPD	PPT2;PRRT1	cg06814287	5	Inverse variance weighted	-0.098	0.019	0.91 (0.87, 0.94)	1.83E-07	-0.003	0.816
Overall COPD	IDUA;SLC26A1	cg21628539	1	Wald ratio	0.101	0.043	1.11 (1.02, 1.20)	0.018	NA	NA
Overall COPD	BNIP3	cg21762589	1	Wald ratio	-0.091	0.039	0.91 (0.85, 0.98)	0.019	NA	NA
Overall COPD	RPS27L	cg02713581	3	Inverse variance weighted	0.060	0.026	1.06 (1.01, 1.12)	0.020	0.004	0.908
Overall COPD	ABL2	cg18433086	1	Wald ratio	0.099	0.042	1.10 (1.02, 1.20)	0.018	NA	NA
Overall COPD	ASAH1	cg06891716	1	Wald ratio	-0.094	0.039	0.91 (0.84, 0.98)	0.017	NA	NA
Overall COPD	PPT2;PRRT1	cg20328456	4	Inverse variance weighted	-0.089	0.025	0.91 (0.87, 0.96)	4.39E-04	0.013	0.796
Overall COPD	FADS2	cg16576620	1	Wald ratio	0.107	0.045	1.11 (1.02, 1.22)	0.018	NA	NA
Overall COPD	CUL4A	cg14896830	1	Wald ratio	0.091	0.039	1.10 (1.02, 1.18)	0.019	NA	NA
Overall COPD	RPTOR	cg04295549	2	Inverse variance weighted	-0.056	0.025	0.95 (0.90, 0.99)	0.027	NA	NA
Overall COPD	CAPZB	cg19713429	4	Inverse variance weighted	-0.043	0.017	0.96 (0.93, 0.99)	0.012	0.014	0.502
Overall COPD	PPT2	cg24009529	25	Inverse variance weighted	0.019	0.009	1.02 (1.00, 1.04)	0.036	-0.001	0.915
Overall COPD	KIF25	cg16038269	1	Wald ratio	0.098	0.041	1.10 (1.02, 1.20)	0.018	NA	NA
Overall COPD	WDR35	cg05412990	1	Wald ratio	-0.067	0.029	0.94 (0.88, 0.99)	0.022	NA	NA
Overall COPD	LOC100132724;AP4E1	cg19949776	35	Inverse variance weighted	-0.010	0.004	0.99 (0.98, 1.00)	0.010	-0.005	0.279
Overall COPD	GATA4	cg12637676	1	Wald ratio	0.097	0.041	1.10 (1.02, 1.19)	0.019	NA	NA
Overall COPD	MYH14	cg23268322	5	Inverse variance weighted	0.027	0.011	1.03 (1.00, 1.05)	0.018	0.001	0.915
Overall COPD	PPT2	cg08057899	1	Wald ratio	-0.077	0.035	0.93 (0.87, 0.99)	0.026	NA	NA
Overall COPD	GATA4	cg16810626	18	Inverse variance weighted	0.043	0.010	1.04 (1.02, 1.06)	1.55E-05	0.011	0.116
Overall COPD	TMEM106B	cg09613507	13	Inverse variance weighted	-0.029	0.011	0.97 (0.95, 0.99)	0.006	0.001	0.891
Overall COPD	AP4E1	cg05389038	22	Inverse variance weighted	-0.016	0.006	0.98 (0.97, 1.00)	0.008	-0.006	0.273
Overall COPD	CAPZB	cg26824678	19	Inverse variance weighted	0.010	0.005	1.01 (1.00, 1.02)	0.039	0.004	0.327
Overall COPD	NFATC4	cg01658259	5	Inverse variance weighted	0.024	0.010	1.02 (1.00, 1.04)	0.014	0.007	0.461
Overall COPD	GSTP1	cg25135322	15	Inverse variance weighted	0.023	0.011	1.02 (1.00, 1.04)	0.033	-0.006	0.485
Overall COPD	GSTP1	cg23725454	16	Inverse variance weighted	0.022	0.007	1.02 (1.01, 1.04)	9.20E-04	-0.004	0.520
Overall COPD	SH3BP4	cg12214003	3	Inverse variance weighted	-0.046	0.019	0.96 (0.92, 0.99)	0.015	-0.039	0.524
Overall COPD	MSH6	cg04781916	3	Inverse variance weighted	0.030	0.015	1.03 (1.00, 1.06)	0.044	-0.008	0.547

Overall COPD	DCC	cg18866015	4	Inverse variance weighted	-0.037	0.015	0.96 (0.94, 0.99)	0.013	0.011	0.552
Overall COPD	NFATC4	cg07162820	12	Inverse variance weighted	0.023	0.007	1.02 (1.01, 1.04)	8.11E-04	0.002	0.605
Overall COPD	AATF	cg12996119	7	Inverse variance weighted	-0.029	0.011	0.97 (0.95, 0.99)	0.011	-0.005	0.613
Overall COPD	DCC	cg00399483	5	Inverse variance weighted	-0.025	0.012	0.98 (0.95, 1.00)	0.042	0.004	0.695
Overall COPD	GSTP1	cg05244766	5	Inverse variance weighted	0.036	0.015	1.04 (1.01, 1.07)	0.014	0.005	0.763
Overall COPD	GSTP1	cg25866895	14	Inverse variance weighted	0.019	0.006	1.02 (1.01, 1.03)	0.002	-0.002	0.779
Overall COPD	GSTP1	cg19114214	4	Inverse variance weighted	0.032	0.015	1.03 (1.00, 1.06)	0.030	0.005	0.799
Overall COPD	KIF25	cg01878651	7	Inverse variance weighted	0.028	0.009	1.03 (1.01, 1.05)	0.001	0.000	0.970
Overall COPD	PPT2	cg26169408	3	Inverse variance weighted	0.055	0.025	1.06 (1.01, 1.11)	0.029	0.000	0.987
Overall COPD	TNFRSF10C	cg23221723	1	Wald ratio	0.126	0.046	1.13 (1.04, 1.24)	0.005	NA	NA
Overall COPD	KIF25	cg03662475	1	Wald ratio	0.105	0.045	1.11 (1.02, 1.21)	0.018	NA	NA
Overall COPD	DCC	cg21623566	1	Wald ratio	-0.113	0.048	0.89 (0.81, 0.98)	0.019	NA	NA
Overall COPD	BNIP3	cg23606392	1	Wald ratio	-0.124	0.053	0.88 (0.80, 0.98)	0.019	NA	NA
Overall COPD	PEBP1	cg00091483	1	Wald ratio	0.122	0.053	1.13 (1.02, 1.25)	0.020	NA	NA
Overall COPD	FADS2	cg07999042	1	Wald ratio	-0.123	0.053	0.88 (0.80, 0.98)	0.020	NA	NA
Overall COPD	PPT2;PRRT1	cg00110832	1	Wald ratio	-0.108	0.047	0.90 (0.82, 0.98)	0.021	NA	NA
Overall COPD	MYH14	cg12301087	2	Inverse variance weighted	0.043	0.019	1.04 (1.01, 1.08)	0.025	NA	NA
Overall COPD	CUL4A	cg10012867	1	Wald ratio	0.073	0.033	1.08 (1.01, 1.15)	0.026	NA	NA
Overall COPD	DCC	cg20917891	1	Wald ratio	-0.051	0.023	0.95 (0.91, 0.99)	0.027	NA	NA
Overall COPD	DCC	cg18841634	1	Wald ratio	0.061	0.027	1.06 (1.01, 1.12)	0.027	NA	NA
Overall COPD	KIT	cg18836493	1	Wald ratio	0.040	0.018	1.04 (1.00, 1.08)	0.027	NA	NA
Overall COPD	SLC30A3	cg24594459	1	Wald ratio	-0.069	0.032	0.93 (0.88, 0.99)	0.033	NA	NA
Overall COPD	RALB	cg11305121	3	Inverse variance weighted	0.056	0.017	1.06 (1.02, 1.09)	0.001	0.015	0.498
Overall COPD	MYH14	cg10639981	2	Inverse variance weighted	0.048	0.022	1.05 (1.00, 1.09)	0.030	NA	NA
Overall COPD	SHISA5	cg24273394	2	Inverse variance weighted	-0.070	0.031	0.93 (0.88, 0.99)	0.025	NA	NA
Overall COPD	MYH14	cg22022379	2	Inverse variance weighted	0.051	0.019	1.05 (1.01, 1.09)	0.007	NA	NA
Overall COPD	CAPZB	cg15136975	4	Inverse variance weighted	-0.037	0.014	0.96 (0.94, 0.99)	0.008	-0.019	0.482
Overall COPD	AATF	cg02282317	2	Inverse variance weighted	-0.046	0.023	0.95 (0.91, 1.00)	0.048	NA	NA
Overall COPD	RRAGA	cg25822709	8	Inverse variance weighted	-0.024	0.009	0.98 (0.96, 0.99)	0.010	-0.008	0.440
Overall COPD	SGMS1	cg26665667	1	Wald ratio	-0.051	0.023	0.95 (0.91, 1.00)	0.031	NA	NA
Overall COPD	DAP	cg18867653	4	Inverse variance weighted	0.035	0.014	1.04 (1.01, 1.06)	0.010	0.007	0.611
Overall COPD	RPTOR	cg13311292	1	Wald ratio	-0.127	0.047	0.88 (0.80, 0.97)	0.006	NA	NA
Overall COPD	RPS27L	cg19279045	1	Wald ratio	0.123	0.051	1.13 (1.02, 1.25)	0.016	NA	NA
Overall COPD	ATP10B	cg01779806	1	Wald ratio	-0.116	0.051	0.89 (0.81, 0.98)	0.022	NA	NA
Overall COPD	TGFB2	cg20991819	1	Wald ratio	0.107	0.047	1.11 (1.01, 1.22)	0.023	NA	NA
Overall COPD	FYN	cg08061598	1	Wald ratio	-0.115	0.051	0.89 (0.81, 0.98)	0.023	NA	NA
Overall COPD	ATP10B	cg27141889	1	Wald ratio	0.142	0.063	1.15 (1.02, 1.30)	0.024	NA	NA
Overall COPD	ZSWIM2	cg13135031	1	Wald ratio	0.080	0.036	1.08 (1.01, 1.16)	0.028	NA	NA
Overall COPD	CAMKK2	cg12590521	1	Wald ratio	-0.076	0.035	0.93 (0.87, 0.99)	0.028	NA	NA
Overall COPD	NFATC4	cg26705574	1	Wald ratio	0.071	0.033	1.07 (1.01, 1.14)	0.029	NA	NA
Overall COPD	MSH6	cg05039065	1	Wald ratio	-0.068	0.031	0.93 (0.88, 0.99)	0.029	NA	NA
Overall COPD	MYH9	cg11434151	1	Wald ratio	-0.054	0.025	0.95 (0.90, 1.00)	0.031	NA	NA

Overall COPD	HIPK2	cg14630106	4	Inverse variance weighted	0.026	0.011	1.03 (1.01, 1.05)	0.014	0.011	0.383
Overall COPD	ZSWIM2	cg14762973	1	Wald ratio	0.090	0.041	1.09 (1.01, 1.18)	0.027	NA	NA
Overall COPD	MTMR9	cg12981288	1	Wald ratio	0.112	0.051	1.12 (1.01, 1.24)	0.028	NA	NA
Overall COPD	SNCA	cg01966878	14	Inverse variance weighted	-0.019	0.006	0.98 (0.97, 0.99)	0.001	-0.007	0.218
Overall COPD	AKT1	cg01921845	6	Inverse variance weighted	-0.020	0.008	0.98 (0.96, 1.00)	0.019	0.007	0.460
Overall COPD	AIFM2	cg18204930	4	Inverse variance weighted	-0.036	0.018	0.96 (0.93, 1.00)	0.039	0.008	0.581
Overall COPD	MSH6	cg18222961	1	Wald ratio	-0.067	0.031	0.94 (0.88, 0.99)	0.030	NA	NA
Overall COPD	BNIP3L	cg15157360	4	Inverse variance weighted	-0.030	0.011	0.97 (0.95, 0.99)	0.009	-0.010	0.391
Overall COPD	BMF	cg07887985	1	Wald ratio	-0.115	0.047	0.89 (0.81, 0.98)	0.015	NA	NA
Overall COPD	BIK	cg13698860	2	Inverse variance weighted	0.063	0.026	1.06 (1.01, 1.12)	0.016	NA	NA
Overall COPD	RUFY4	cg11417360	1	Wald ratio	0.103	0.046	1.11 (1.01, 1.21)	0.027	NA	NA
Overall COPD	ZSWIM2	cg18950539	1	Wald ratio	0.095	0.043	1.10 (1.01, 1.20)	0.028	NA	NA
Overall COPD	RRAGA	cg14727880	1	Wald ratio	-0.060	0.028	0.94 (0.89, 0.99)	0.032	NA	NA
Overall COPD	SCRT2	cg18592561	1	Wald ratio	0.051	0.024	1.05 (1.00, 1.10)	0.033	NA	NA
Overall COPD	DAPK3	cg18226382	1	Wald ratio	0.053	0.025	1.05 (1.00, 1.11)	0.033	NA	NA
Overall COPD	BMF	cg26662201	1	Wald ratio	0.106	0.048	1.11 (1.01, 1.22)	0.026	NA	NA
Overall COPD	CAMKK2	cg04615865	1	Wald ratio	-0.090	0.041	0.91 (0.84, 0.99)	0.028	NA	NA
Overall COPD	LGALS8	cg14252149	19	Inverse variance weighted	-0.015	0.005	0.99 (0.98, 0.99)	0.002	-0.003	0.571
Overall COPD	RHEB	cg03998173	1	Wald ratio	0.104	0.047	1.11 (1.01, 1.22)	0.027	NA	NA
Overall COPD	MSH6	cg16595246	1	Wald ratio	-0.086	0.040	0.92 (0.85, 0.99)	0.029	NA	NA
Overall COPD	SNCA	cg02192967	1	Wald ratio	0.087	0.040	1.09 (1.01, 1.18)	0.030	NA	NA
Overall COPD	BNIP3L	cg13516551	2	Inverse variance weighted	-0.040	0.020	0.96 (0.92, 1.00)	0.042	NA	NA
Overall COPD	LGALS8	cg01809927	9	Inverse variance weighted	-0.023	0.007	0.98 (0.96, 0.99)	0.001	-0.003	0.799
Overall COPD	WWOX	cg01608400	1	Wald ratio	-0.088	0.040	0.92 (0.85, 0.99)	0.030	NA	NA
Overall COPD	NCK2	cg14131038	11	Inverse variance weighted	0.020	0.009	1.02 (1.00, 1.04)	0.023	-0.008	0.169
Overall COPD	UVRAG	cg02337499	1	Wald ratio	0.038	0.018	1.04 (1.00, 1.08)	0.037	NA	NA
Overall COPD	TBC1D14	cg14594044	2	Inverse variance weighted	-0.057	0.023	0.94 (0.90, 0.99)	0.013	NA	NA
Overall COPD	TMBIM6	cg20471783	8	Inverse variance weighted	-0.033	0.010	0.97 (0.95, 0.99)	7.85E-04	-0.012	0.193
Overall COPD	PTGS2	cg25147026	3	Inverse variance weighted	-0.052	0.017	0.95 (0.92, 0.98)	0.002	-0.009	0.523
Overall COPD	MAPK3	cg00192773	1	Wald ratio	0.078	0.037	1.08 (1.01, 1.16)	0.035	NA	NA
Overall COPD	SLC30A3	cg08789022	1	Wald ratio	-0.085	0.040	0.92 (0.85, 0.99)	0.033	NA	NA
Overall COPD	NFATC4	cg00462311	1	Wald ratio	0.110	0.050	1.12 (1.01, 1.23)	0.029	NA	NA
Overall COPD	KIT	cg19041419	1	Wald ratio	0.088	0.041	1.09 (1.01, 1.18)	0.033	NA	NA
Overall COPD	SNCA	cg01035160	1	Wald ratio	0.096	0.045	1.10 (1.01, 1.20)	0.034	NA	NA
Overall COPD	INF2	cg20267932	1	Wald ratio	0.078	0.036	1.08 (1.01, 1.16)	0.031	NA	NA
Overall COPD	MPO	cg08058156	1	Wald ratio	0.090	0.042	1.09 (1.01, 1.19)	0.032	NA	NA
Overall COPD	ATP6V0D1	cg06120000	1	Wald ratio	-0.130	0.046	0.88 (0.80, 0.96)	0.005	NA	NA
Overall COPD	PCBP1	cg08479476	2	Inverse variance weighted	0.038	0.016	1.04 (1.01, 1.07)	0.015	NA	NA
Overall COPD	CTTN	cg12127706	10	Inverse variance weighted	-0.022	0.010	0.98 (0.96, 1.00)	0.036	-0.003	0.753
Overall COPD	CTTN	cg16629523	9	Inverse variance weighted	-0.027	0.013	0.97 (0.95, 1.00)	0.035	-0.003	0.765
Overall COPD	PERP	cg09019803	5	Inverse variance weighted	0.029	0.009	1.03 (1.01, 1.05)	0.002	-0.005	0.897
Overall COPD	CAPZB	cg01693305	1	Wald ratio	-0.087	0.041	0.92 (0.85, 0.99)	0.035	NA	NA

Overall COPD	CD68	cg21808406	1	Wald ratio	0.081	0.039	1.08 (1.01, 1.17)	0.035	NA	NA
Overall COPD	PLAUR	cg20445035	1	Wald ratio	0.059	0.029	1.06 (1.00, 1.12)	0.039	NA	NA
Overall COPD	PRKAG2	cg01005180	3	Inverse variance weighted	-0.032	0.016	0.97 (0.94, 1.00)	0.044	0.007	0.674
Overall COPD	RAB7A	cg19991780	13	Inverse variance weighted	-0.018	0.009	0.98 (0.97, 1.00)	0.037	0.008	0.263
Overall COPD	KDR	cg07098391	1	Wald ratio	-0.113	0.051	0.89 (0.81, 0.99)	0.028	NA	NA
Overall COPD	CAPZB	cg12424867	1	Wald ratio	-0.111	0.051	0.90 (0.81, 0.99)	0.031	NA	NA
Overall COPD	NEU1	cg13634177	1	Wald ratio	-0.118	0.055	0.89 (0.80, 0.99)	0.032	NA	NA
Overall COPD	IL10RA	cg07540983	1	Wald ratio	0.095	0.045	1.10 (1.01, 1.20)	0.034	NA	NA
Overall COPD	RPTOR	cg23238734	1	Wald ratio	0.085	0.041	1.09 (1.01, 1.18)	0.036	NA	NA
Overall COPD	INF2	cg05210373	1	Wald ratio	-0.062	0.030	0.94 (0.89, 1.00)	0.040	NA	NA
Overall COPD	INF2	cg04966159	1	Wald ratio	-0.063	0.031	0.94 (0.88, 1.00)	0.040	NA	NA
Overall COPD	NDUFA13;TSSK6	cg25274157	1	Wald ratio	0.049	0.024	1.05 (1.00, 1.10)	0.041	NA	NA
Overall COPD	PLAUR	cg17168630	1	Wald ratio	0.059	0.029	1.06 (1.00, 1.12)	0.041	NA	NA
Overall COPD	ATP6V0A2	cg25710520	6	Inverse variance weighted	0.024	0.012	1.02 (1.00, 1.05)	0.037	-0.005	0.714
Overall COPD	EPO	cg20893717	1	Wald ratio	0.108	0.050	1.11 (1.01, 1.23)	0.033	NA	NA
Overall COPD	RPTOR	cg01516792	5	Inverse variance weighted	0.039	0.014	1.04 (1.01, 1.07)	0.007	-0.017	0.293
Overall COPD	ATP6V0A2	cg16376770	1	Wald ratio	0.118	0.056	1.13 (1.01, 1.26)	0.035	NA	NA
Overall COPD	PIK3CD	cg20994801	4	Inverse variance weighted	0.034	0.014	1.03 (1.01, 1.06)	0.017	-0.014	0.581
Overall COPD	CD44	cg13369159	1	Wald ratio	0.099	0.047	1.10 (1.01, 1.21)	0.035	NA	NA
Overall COPD	BCL3	cg26470501	6	Inverse variance weighted	0.040	0.016	1.04 (1.01, 1.07)	0.010	-0.006	0.575
Overall COPD	BMP4	cg05923197	4	Inverse variance weighted	0.036	0.018	1.04 (1.00, 1.07)	0.049	-0.003	0.852
Overall COPD	LIPA	cg09060654	10	Inverse variance weighted	-0.034	0.011	0.97 (0.95, 0.99)	0.002	-0.006	0.325
Overall COPD	KDR	cg18177533	1	Wald ratio	-0.112	0.053	0.89 (0.81, 0.99)	0.033	NA	NA
Overall COPD	GPR137B	cg18879590	1	Wald ratio	-0.100	0.048	0.90 (0.82, 0.99)	0.036	NA	NA
Overall COPD	MTMR9	cg21337580	1	Wald ratio	0.093	0.045	1.10 (1.01, 1.20)	0.037	NA	NA
Overall COPD	DAPK1	cg14250336	1	Wald ratio	0.084	0.041	1.09 (1.00, 1.18)	0.039	NA	NA
Overall COPD	FGFR1	cg11547613	1	Wald ratio	-0.104	0.049	0.90 (0.82, 0.99)	0.034	NA	NA
Overall COPD	ARSB	cg11837534	1	Wald ratio	0.095	0.046	1.10 (1.01, 1.20)	0.038	NA	NA
Overall COPD	SORT1	cg22346081	1	Wald ratio	0.114	0.054	1.12 (1.01, 1.25)	0.035	NA	NA
Overall COPD	MEFV	cg05554494	1	Wald ratio	-0.040	0.020	0.96 (0.92, 1.00)	0.046	NA	NA
Overall COPD	LEPR	cg06558372	1	Wald ratio	0.100	0.048	1.10 (1.01, 1.21)	0.037	NA	NA
Overall COPD	SERPINE1	cg24539923	1	Wald ratio	-0.048	0.024	0.95 (0.91, 1.00)	0.045	NA	NA
Overall COPD	UNC5B	cg11224737	1	Wald ratio	0.060	0.030	1.06 (1.00, 1.13)	0.044	NA	NA
Overall COPD	BCL2L10	cg27563121	5	Inverse variance weighted	-0.034	0.016	0.97 (0.94, 1.00)	0.030	0.002	0.850
Overall COPD	BIK	cg04304450	1	Wald ratio	-0.101	0.049	0.90 (0.82, 0.99)	0.038	NA	NA
COPD in ever-smokers	PPT2	cg08295094	17	Inverse variance weighted	-0.146	0.020	0.86 (0.83, 0.90)	1.17E-13	-0.019	0.107
COPD in ever-smokers	ATP2A3	cg00095677	5	Inverse variance weighted	0.041	0.014	1.04 (1.01, 1.07)	0.004	-0.007	0.738
COPD in ever-smokers	ATP2A3	cg20473595	3	Inverse variance weighted	-0.165	0.033	0.85 (0.79, 0.91)	7.42E-07	0.067	0.520
COPD in ever-smokers	ATP2A3	cg06463185	4	Inverse variance weighted	0.071	0.022	1.07 (1.03, 1.12)	0.001	-0.010	0.844
COPD in ever-smokers	ATP2A3	cg18963239	2	Inverse variance weighted	-0.228	0.070	0.80 (0.69, 0.91)	0.001	NA	NA
COPD in ever-smokers	ATP2A3	cg01703329	3	Inverse variance weighted	-0.113	0.055	0.89 (0.80, 0.99)	0.039	0.013	0.828
COPD in ever-smokers	ATP2A3	cg25738176	5	Inverse variance weighted	0.095	0.042	1.10 (1.01, 1.19)	0.024	-0.036	0.612

COPD in ever-smokers	AKT1	cg26023960	2	Inverse variance weighted	-0.091	0.039	0.91 (0.85, 0.99)	0.019	NA	NA
COPD in ever-smokers	TRIM27	cg03270340	6	Inverse variance weighted	-0.124	0.018	0.88 (0.85, 0.92)	5.36E-12	-0.019	0.148
COPD in ever-smokers	AP4E1	cg05389038	20	Inverse variance weighted	-0.062	0.016	0.94 (0.91, 0.97)	8.95E-05	-0.016	0.218
COPD in ever-smokers	STX4	cg07404961	4	Inverse variance weighted	0.171	0.036	1.19 (1.10, 1.27)	2.57E-06	0.042	0.266
COPD in ever-smokers	ATP2A3	cg09013975	1	Wald ratio	0.202	0.096	1.22 (1.01, 1.48)	0.036	NA	NA
COPD in ever-smokers	STX4	cg06233904	1	Wald ratio	-0.195	0.060	0.82 (0.73, 0.92)	0.001	NA	NA
COPD in ever-smokers	CAPZB	cg03542686	1	Wald ratio	0.276	0.083	1.32 (1.12, 1.55)	8.55E-04	NA	NA
COPD in ever-smokers	SIVA1	cg19495714	2	Inverse variance weighted	-0.131	0.042	0.88 (0.81, 0.95)	0.002	NA	NA
COPD in ever-smokers	ATP13A2	cg22045253	3	Inverse variance weighted	-0.098	0.044	0.91 (0.83, 0.99)	0.025	0.021	0.774
COPD in ever-smokers	TRIM27	cg23756442	3	Inverse variance weighted	-0.216	0.039	0.81 (0.75, 0.87)	2.04E-08	-0.011	0.824
COPD in ever-smokers	STX4	cg08893833	1	Wald ratio	-0.254	0.079	0.78 (0.66, 0.91)	0.001	NA	NA
COPD in ever-smokers	VMAC;NDUFA11	cg05380558	1	Wald ratio	0.180	0.059	1.20 (1.07, 1.34)	0.002	NA	NA
COPD in ever-smokers	SQSTM1	cg01225779	2	Inverse variance weighted	-0.152	0.053	0.86 (0.77, 0.95)	0.004	NA	NA
COPD in ever-smokers	AP3D1	cg19290738	12	Inverse variance weighted	0.030	0.012	1.03 (1.01, 1.06)	0.012	-0.019	0.117
COPD in ever-smokers	AKT1	cg19645788	4	Inverse variance weighted	0.081	0.024	1.08 (1.03, 1.14)	8.41E-04	0.001	0.949
COPD in ever-smokers	GHITM	cg23027704	8	Inverse variance weighted	0.086	0.024	1.09 (1.04, 1.14)	2.96E-04	-0.003	0.852
COPD in ever-smokers	SH3RF1	cg07082484	8	Inverse variance weighted	-0.055	0.023	0.95 (0.91, 0.99)	0.017	-0.005	0.808
COPD in ever-smokers	INF2	cg04966159	1	Wald ratio	-0.197	0.069	0.82 (0.72, 0.94)	0.004	NA	NA
COPD in ever-smokers	PPT2	cg06832687	9	Inverse variance weighted	0.097	0.036	1.10 (1.03, 1.18)	0.008	0.015	0.441
COPD in ever-smokers	PPT2	cg08057899	3	Inverse variance weighted	-0.262	0.041	0.77 (0.71, 0.83)	2.25E-10	0.026	0.789
COPD in ever-smokers	GHITM	cg25783892	1	Wald ratio	0.211	0.073	1.24 (1.07, 1.43)	0.004	NA	NA
COPD in ever-smokers	AKT1	cg14184729	1	Wald ratio	0.137	0.048	1.15 (1.04, 1.26)	0.005	NA	NA
COPD in ever-smokers	SH3RF1	cg12257055	2	Inverse variance weighted	-0.100	0.038	0.90 (0.84, 0.97)	0.008	NA	NA
COPD in ever-smokers	RHEB	cg02506984	1	Wald ratio	0.224	0.078	1.25 (1.07, 1.46)	0.004	NA	NA
COPD in ever-smokers	DYRK2	cg19817165	1	Wald ratio	-0.201	0.071	0.82 (0.71, 0.94)	0.004	NA	NA
COPD in ever-smokers	DYRK2	cg09135343	1	Wald ratio	-0.221	0.078	0.80 (0.69, 0.93)	0.004	NA	NA
COPD in ever-smokers	MAPK3	cg00192773	1	Wald ratio	0.172	0.069	1.19 (1.04, 1.36)	0.012	NA	NA
COPD in ever-smokers	FEZ2	cg09467607	14	Inverse variance weighted	-0.052	0.016	0.95 (0.92, 0.98)	0.001	-0.016	0.315
COPD in ever-smokers	ARF1	cg06625004	9	Inverse variance weighted	-0.074	0.020	0.93 (0.89, 0.97)	2.04E-04	-0.012	0.319
COPD in ever-smokers	PPT2;PRRT1	cg06814287	7	Inverse variance weighted	-0.237	0.035	0.79 (0.74, 0.85)	2.00E-11	-0.013	0.571
COPD in ever-smokers	USP13	cg05726764	13	Inverse variance weighted	-0.030	0.013	0.97 (0.95, 1.00)	0.021	-0.004	0.700
COPD in ever-smokers	RPS27L	cg26210447	7	Inverse variance weighted	0.091	0.025	1.10 (1.04, 1.15)	2.23E-04	0.000	0.987
COPD in ever-smokers	NEU1;SLC44A4	cg00397479	2	Inverse variance weighted	-0.297	0.062	0.74 (0.66, 0.84)	1.60E-06	NA	NA
COPD in ever-smokers	RHEB	cg03323794	1	Wald ratio	0.257	0.090	1.29 (1.08, 1.54)	0.004	NA	NA
COPD in ever-smokers	TRIM27	cg01928896	1	Wald ratio	0.260	0.092	1.30 (1.08, 1.55)	0.005	NA	NA
COPD in ever-smokers	C9orf72	cg05990720	1	Wald ratio	0.203	0.072	1.22 (1.06, 1.41)	0.005	NA	NA
COPD in ever-smokers	CAPZB	cg13100118	1	Wald ratio	0.260	0.092	1.30 (1.08, 1.55)	0.005	NA	NA
COPD in ever-smokers	ATP2A1	cg04414917	4	Inverse variance weighted	-0.110	0.031	0.90 (0.84, 0.95)	4.54E-04	-0.020	0.445
COPD in ever-smokers	RHEB	cg06603923	3	Inverse variance weighted	0.110	0.037	1.12 (1.04, 1.20)	0.003	-0.013	0.721
COPD in ever-smokers	RPS27L	cg02713581	3	Inverse variance weighted	0.156	0.052	1.17 (1.06, 1.29)	0.003	-0.017	0.777
COPD in ever-smokers	SLC39A11	cg14233847	1	Wald ratio	-0.291	0.104	0.75 (0.61, 0.92)	0.005	NA	NA
COPD in ever-smokers	RHEB	cg24531520	2	Inverse variance weighted	0.124	0.048	1.13 (1.03, 1.24)	0.010	NA	NA

COPD in ever-smokers	NUPR1	cg01542023	2	Inverse variance weighted	-0.090	0.036	0.91 (0.85, 0.98)	0.012	NA	NA
COPD in ever-smokers	AP1M2	cg26292442	1	Wald ratio	-0.321	0.112	0.73 (0.58, 0.90)	0.004	NA	NA
COPD in ever-smokers	BLK	cg26161004	9	Inverse variance weighted	0.066	0.027	1.07 (1.01, 1.13)	0.015	0.017	0.338
COPD in ever-smokers	ST20;C15orf37	cg26673396	8	Inverse variance weighted	0.048	0.024	1.05 (1.00, 1.10)	0.047	-0.017	0.354
COPD in ever-smokers	ST20	cg21315874	16	Inverse variance weighted	-0.037	0.015	0.96 (0.94, 0.99)	0.012	0.011	0.366
COPD in ever-smokers	ATP2A1	cg05966235	8	Inverse variance weighted	0.068	0.022	1.07 (1.03, 1.12)	0.002	0.011	0.566
COPD in ever-smokers	CLTB	cg24735937	6	Inverse variance weighted	0.063	0.022	1.07 (1.02, 1.11)	0.005	-0.011	0.611
COPD in ever-smokers	RPTOR	cg15097361	12	Inverse variance weighted	0.043	0.018	1.04 (1.01, 1.08)	0.015	0.005	0.677
COPD in ever-smokers	C15orf37;ST20	cg11970192	7	Inverse variance weighted	0.052	0.019	1.05 (1.01, 1.09)	0.007	0.002	0.881
COPD in ever-smokers	ST20	cg11839771	11	Inverse variance weighted	0.057	0.018	1.06 (1.02, 1.10)	0.002	0.001	0.968
COPD in ever-smokers	TRIM27	cg27120125	2	Inverse variance weighted	-0.386	0.076	0.68 (0.59, 0.79)	3.26E-07	NA	NA
COPD in ever-smokers	INF2	cg05210373	1	Wald ratio	-0.194	0.068	0.82 (0.72, 0.94)	0.004	NA	NA
COPD in ever-smokers	PPT2;PRRT1	cg12883279	1	Wald ratio	-0.295	0.105	0.74 (0.61, 0.91)	0.005	NA	NA
COPD in ever-smokers	TRIM27	cg09292581	1	Wald ratio	-0.321	0.117	0.73 (0.58, 0.91)	0.006	NA	NA
COPD in ever-smokers	CSNK2A1	cg07511836	2	Inverse variance weighted	0.085	0.032	1.09 (1.02, 1.16)	0.007	NA	NA
COPD in ever-smokers	NUPR1	cg05590982	1	Wald ratio	0.210	0.079	1.23 (1.06, 1.44)	0.008	NA	NA
COPD in ever-smokers	FEZ2	cg11324054	1	Wald ratio	-0.192	0.073	0.83 (0.71, 0.95)	0.009	NA	NA
COPD in ever-smokers	NUPR1	cg15149645	1	Wald ratio	-0.119	0.047	0.89 (0.81, 0.97)	0.011	NA	NA
COPD in ever-smokers	DYRK2	cg27078727	1	Wald ratio	0.133	0.052	1.14 (1.03, 1.27)	0.011	NA	NA
COPD in ever-smokers	CSNK2A1	cg26292976	1	Wald ratio	0.163	0.064	1.18 (1.04, 1.33)	0.011	NA	NA
COPD in ever-smokers	SFRP2	cg23207990	2	Inverse variance weighted	-0.128	0.053	0.88 (0.79, 0.98)	0.016	NA	NA
COPD in ever-smokers	SFRP2	cg23121156	2	Inverse variance weighted	-0.146	0.047	0.86 (0.79, 0.95)	0.002	NA	NA
COPD in ever-smokers	RHEB	cg03998173	1	Wald ratio	0.276	0.105	1.32 (1.07, 1.62)	0.008	NA	NA
COPD in ever-smokers	DYRK2	cg13442969	1	Wald ratio	-0.188	0.074	0.83 (0.72, 0.96)	0.011	NA	NA
COPD in ever-smokers	DAPK2	cg07619672	1	Wald ratio	0.191	0.075	1.21 (1.04, 1.40)	0.011	NA	NA
COPD in ever-smokers	TIRAP	cg21533667	2	Inverse variance weighted	0.092	0.043	1.10 (1.01, 1.19)	0.033	NA	NA
COPD in ever-smokers	GSDMA	cg24910161	11	Inverse variance weighted	-0.045	0.017	0.96 (0.92, 0.99)	0.009	-0.026	0.141
COPD in ever-smokers	BCL3	cg16094954	13	Inverse variance weighted	0.036	0.013	1.04 (1.01, 1.06)	0.005	-0.009	0.344
COPD in ever-smokers	CX3CR1	cg04569233	8	Inverse variance weighted	0.055	0.022	1.06 (1.01, 1.10)	0.015	0.015	0.416
COPD in ever-smokers	INF2	cg13578465	3	Inverse variance weighted	0.063	0.022	1.06 (1.02, 1.11)	0.004	0.034	0.429
COPD in ever-smokers	PDLIM1	cg02338345	3	Inverse variance weighted	-0.089	0.037	0.91 (0.85, 0.98)	0.015	-0.063	0.608
COPD in ever-smokers	GSDMA	cg26162295	11	Inverse variance weighted	-0.046	0.015	0.95 (0.93, 0.98)	0.002	-0.011	0.608
COPD in ever-smokers	TRIM27	cg09855662	4	Inverse variance weighted	-0.167	0.062	0.85 (0.75, 0.96)	0.007	0.028	0.662
COPD in ever-smokers	ITPRIP	cg27365978	5	Inverse variance weighted	-0.078	0.026	0.92 (0.88, 0.97)	0.003	-0.015	0.677
COPD in ever-smokers	RPTOR	cg15228441	4	Inverse variance weighted	0.053	0.025	1.05 (1.00, 1.11)	0.038	-0.008	0.734
COPD in ever-smokers	USP10	cg05298510	3	Inverse variance weighted	-0.095	0.036	0.91 (0.85, 0.98)	0.009	-0.011	0.795
COPD in ever-smokers	OTUB1	cg08231730	2	Inverse variance weighted	-0.153	0.051	0.86 (0.78, 0.95)	0.002	NA	NA
COPD in ever-smokers	ATP2A1	cg27473355	1	Wald ratio	0.235	0.083	1.26 (1.07, 1.49)	0.005	NA	NA
COPD in ever-smokers	ITPRIP	cg02682924	2	Inverse variance weighted	0.131	0.047	1.14 (1.04, 1.25)	0.006	NA	NA
COPD in ever-smokers	RPS27L	cg19279045	1	Wald ratio	0.296	0.114	1.34 (1.08, 1.68)	0.009	NA	NA
COPD in ever-smokers	NDUFA11	cg03715305	2	Inverse variance weighted	0.178	0.073	1.19 (1.03, 1.38)	0.015	NA	NA
COPD in ever-smokers	ITPRIP	cg22882506	2	Inverse variance weighted	-0.092	0.038	0.91 (0.85, 0.98)	0.015	NA	NA

COPD in ever-smokers	OTUB1	cg13692972	1	Wald ratio	-0.143	0.072	0.87 (0.75, 1.00)	0.047	NA	NA
COPD in ever-smokers	INF2	cg11730703	3	Inverse variance weighted	0.071	0.024	1.07 (1.02, 1.13)	0.003	0.034	0.450
COPD in ever-smokers	INF2	cg27286011	3	Inverse variance weighted	0.076	0.026	1.08 (1.03, 1.13)	0.003	0.030	0.483
COPD in ever-smokers	INF2	cg22090592	4	Inverse variance weighted	0.082	0.029	1.09 (1.03, 1.15)	0.005	0.007	0.839
COPD in ever-smokers	INF2	cg01836137	2	Inverse variance weighted	0.098	0.035	1.10 (1.03, 1.18)	0.005	NA	NA
COPD in ever-smokers	CSNK2A1	cg23481873	1	Wald ratio	0.324	0.094	1.38 (1.15, 1.66)	5.55E-04	NA	NA
COPD in ever-smokers	EPHA2	cg24494577	1	Wald ratio	-0.138	0.058	0.87 (0.78, 0.98)	0.018	NA	NA
COPD in ever-smokers	ATP13A2	cg16027378	1	Wald ratio	-0.266	0.107	0.77 (0.62, 0.95)	0.013	NA	NA
COPD in ever-smokers	SFRP2	cg25775322	1	Wald ratio	-0.174	0.073	0.84 (0.73, 0.97)	0.017	NA	NA
COPD in ever-smokers	CUL5	cg18191196	9	Inverse variance weighted	-0.041	0.015	0.96 (0.93, 0.99)	0.007	-0.013	0.285
COPD in ever-smokers	CUL5	cg20080282	1	Wald ratio	-0.172	0.074	0.84 (0.73, 0.97)	0.020	NA	NA
COPD in ever-smokers	ENO1	cg02088347	1	Wald ratio	-0.223	0.094	0.80 (0.67, 0.96)	0.018	NA	NA
COPD in ever-smokers	EPHA2	cg24518441	1	Wald ratio	0.244	0.103	1.28 (1.04, 1.56)	0.018	NA	NA
COPD in ever-smokers	AP1M2	cg11657665	5	Inverse variance weighted	0.090	0.023	1.09 (1.05, 1.15)	8.52E-05	0.014	0.681
COPD in ever-smokers	OSBPL7	cg02206375	1	Wald ratio	-0.261	0.110	0.77 (0.62, 0.96)	0.017	NA	NA
COPD in ever-smokers	EYA4	cg25075347	11	Inverse variance weighted	0.042	0.013	1.04 (1.02, 1.07)	0.001	0.008	0.503
COPD in ever-smokers	CAPN1	cg07710883	5	Inverse variance weighted	-0.083	0.034	0.92 (0.86, 0.98)	0.016	-0.005	0.870
COPD in ever-smokers	RAF1	cg23332193	3	Inverse variance weighted	-0.102	0.048	0.90 (0.82, 0.99)	0.033	0.009	0.923
COPD in ever-smokers	C9orf72	cg11613875	1	Wald ratio	-0.227	0.098	0.80 (0.66, 0.97)	0.021	NA	NA
COPD in ever-smokers	ATF3	cg23534142	13	Inverse variance weighted	0.047	0.017	1.05 (1.01, 1.08)	0.005	0.002	0.796
COPD in ever-smokers	PDLIM1	cg20714347	3	Inverse variance weighted	-0.148	0.048	0.86 (0.79, 0.95)	0.002	0.002	0.973
COPD in ever-smokers	OTUB1	cg03219809	2	Inverse variance weighted	-0.159	0.059	0.85 (0.76, 0.96)	0.008	NA	NA
COPD in ever-smokers	MMP9	cg23353432	1	Wald ratio	-0.132	0.060	0.88 (0.78, 0.99)	0.027	NA	NA
COPD in ever-smokers	GSDMC	cg26073844	1	Wald ratio	0.184	0.082	1.20 (1.02, 1.41)	0.025	NA	NA
COPD in ever-smokers	SFRP2	cg03202804	1	Wald ratio	-0.138	0.063	0.87 (0.77, 0.99)	0.029	NA	NA
COPD in ever-smokers	SFRP2	cg05961809	1	Wald ratio	-0.127	0.058	0.88 (0.79, 0.99)	0.029	NA	NA
COPD in ever-smokers	BLK	cg21175976	33	Inverse variance weighted	0.074	0.012	1.08 (1.05, 1.10)	4.26E-10	0.004	0.703
COPD in ever-smokers	ENO1	cg10313368	16	Inverse variance weighted	-0.060	0.015	0.94 (0.91, 0.97)	3.50E-05	-0.015	0.223
COPD in ever-smokers	ITPRIP	cg11276172	1	Wald ratio	0.137	0.064	1.15 (1.01, 1.30)	0.033	NA	NA
COPD in ever-smokers	ENO1	cg06972019	18	Inverse variance weighted	-0.035	0.013	0.97 (0.94, 0.99)	0.008	-0.020	0.145
COPD in ever-smokers	ENO1	cg10443148	9	Inverse variance weighted	-0.065	0.019	0.94 (0.90, 0.97)	7.81E-04	-0.016	0.324
COPD in ever-smokers	AP3D1	cg17656426	5	Inverse variance weighted	0.066	0.023	1.07 (1.02, 1.12)	0.003	0.019	0.415
COPD in ever-smokers	TRIM5	cg03698359	9	Inverse variance weighted	0.054	0.024	1.06 (1.01, 1.11)	0.023	0.007	0.646
COPD in ever-smokers	ENO1	cg18273817	2	Inverse variance weighted	-0.081	0.035	0.92 (0.86, 0.99)	0.022	NA	NA
COPD in ever-smokers	ENO1	cg20971527	1	Wald ratio	-0.108	0.050	0.90 (0.81, 0.99)	0.033	NA	NA
COPD in ever-smokers	NOD2	cg05261686	1	Wald ratio	0.071	0.034	1.07 (1.01, 1.15)	0.035	NA	NA
COPD in ever-smokers	CSNK2A1	cg07789225	1	Wald ratio	0.251	0.112	1.29 (1.03, 1.60)	0.025	NA	NA
COPD in ever-smokers	PMAIP1	cg22549408	5	Inverse variance weighted	-0.046	0.020	0.95 (0.92, 0.99)	0.023	0.022	0.362
COPD in ever-smokers	PMAIP1	cg05157251	4	Inverse variance weighted	-0.058	0.021	0.94 (0.90, 0.98)	0.006	-0.003	0.919
COPD in ever-smokers	GATA2	cg22801992	1	Wald ratio	-0.140	0.066	0.87 (0.76, 0.99)	0.034	NA	NA
COPD in ever-smokers	ITPRIP	cg24199006	1	Wald ratio	-0.161	0.081	0.85 (0.73, 1.00)	0.048	NA	NA
COPD in ever-smokers	PMAIP1	cg11957475	6	Inverse variance weighted	-0.047	0.021	0.95 (0.92, 0.99)	0.023	0.005	0.810

COPD in ever-smokers	GNS	cg27476482	1	Wald ratio	-0.170	0.080	0.84 (0.72, 0.99)	0.033	NA	NA
COPD in ever-smokers	FER	cg19730600	10	Inverse variance weighted	-0.079	0.021	0.92 (0.89, 0.96)	1.78E-04	0.012	0.347
COPD in ever-smokers	FGF10	cg16536718	1	Wald ratio	-0.228	0.086	0.80 (0.67, 0.94)	0.008	NA	NA
COPD in ever-smokers	CDK5R1	cg22322863	1	Wald ratio	-0.172	0.081	0.84 (0.72, 0.99)	0.034	NA	NA
COPD in ever-smokers	AP3D1	cg21414902	1	Wald ratio	-0.183	0.089	0.83 (0.70, 0.99)	0.040	NA	NA
COPD in ever-smokers	GATA4	cg01546563	4	Inverse variance weighted	0.102	0.029	1.11 (1.05, 1.17)	4.31E-04	0.024	0.285
COPD in ever-smokers	GATA2	cg03839949	3	Inverse variance weighted	-0.121	0.046	0.89 (0.81, 0.97)	0.009	-0.030	0.391
COPD in ever-smokers	ACSL1	cg01899937	7	Inverse variance weighted	0.065	0.028	1.07 (1.01, 1.13)	0.020	0.000	0.983
COPD in ever-smokers	PTGS2	cg25147026	2	Inverse variance weighted	-0.148	0.061	0.86 (0.77, 0.97)	0.015	NA	NA
COPD in ever-smokers	ATP13A2	cg06953703	1	Wald ratio	-0.213	0.100	0.81 (0.66, 0.98)	0.032	NA	NA
COPD in ever-smokers	NLRP1	cg26561413	3	Inverse variance weighted	0.100	0.038	1.10 (1.02, 1.19)	0.010	0.012	0.770
COPD in ever-smokers	MUC1	cg18804777	2	Inverse variance weighted	0.158	0.051	1.17 (1.06, 1.29)	0.002	NA	NA
COPD in ever-smokers	NAPSA	cg08194323	1	Wald ratio	-0.170	0.082	0.84 (0.72, 0.99)	0.037	NA	NA
COPD in ever-smokers	CD70	cg26737640	2	Inverse variance weighted	0.132	0.051	1.14 (1.03, 1.26)	0.010	NA	NA
COPD in ever-smokers	EPM2A	cg05220968	2	Inverse variance weighted	-0.085	0.042	0.92 (0.85, 1.00)	0.044	NA	NA
COPD in ever-smokers	ALOX5	cg24302529	6	Inverse variance weighted	-0.048	0.020	0.95 (0.92, 0.99)	0.017	-0.028	0.293
COPD in ever-smokers	DDIT4	cg01839993	1	Wald ratio	-0.152	0.075	0.86 (0.74, 0.99)	0.042	NA	NA
COPD in never-smokers	PPT2	cg08057899	3	Inverse variance weighted	-0.343	0.074	0.71 (0.61, 0.82)	3.06E-06	0.188	0.267
COPD in never-smokers	ERBB3	cg23731805	1	Wald ratio	-0.242	0.052	0.78 (0.71, 0.87)	3.01E-06	NA	NA
COPD in never-smokers	TRIM27	cg03270340	6	Inverse variance weighted	-0.119	0.025	0.89 (0.85, 0.93)	1.25E-06	-0.005	0.757
COPD in never-smokers	HSPA1B	cg04835051	9	Inverse variance weighted	0.318	0.044	1.37 (1.26, 1.50)	4.22E-13	0.040	0.286
COPD in never-smokers	HSPA1B	cg16372051	6	Inverse variance weighted	0.296	0.063	1.34 (1.19, 1.52)	2.39E-06	0.061	0.327
COPD in never-smokers	SLC9A3R1	cg21922841	3	Inverse variance weighted	0.103	0.027	1.11 (1.05, 1.17)	1.58E-04	-0.008	0.813
COPD in never-smokers	ERBB3	cg17843101	1	Wald ratio	0.335	0.080	1.40 (1.19, 1.64)	2.95E-05	NA	NA
COPD in never-smokers	SLC9A3R1	cg13163403	1	Wald ratio	0.301	0.077	1.35 (1.16, 1.57)	9.99E-05	NA	NA
COPD in never-smokers	PIP4K2B	cg27142680	1	Wald ratio	0.346	0.099	1.41 (1.17, 1.72)	4.55E-04	NA	NA
COPD in never-smokers	ORMDL3	cg18711369	10	Inverse variance weighted	-0.073	0.021	0.93 (0.89, 0.97)	4.20E-04	-0.014	0.559
COPD in never-smokers	ORMDL3	cg10909506	14	Inverse variance weighted	-0.072	0.019	0.93 (0.90, 0.97)	1.55E-04	-0.005	0.794
COPD in never-smokers	TRIM27	cg09855662	4	Inverse variance weighted	-0.173	0.074	0.84 (0.73, 0.97)	0.019	0.078	0.207
COPD in never-smokers	ATP6V1C2	cg08352575	8	Inverse variance weighted	0.039	0.017	1.04 (1.01, 1.07)	0.024	0.007	0.684
COPD in never-smokers	PPT2;PRRT1	cg06814287	7	Inverse variance weighted	-0.353	0.061	0.70 (0.62, 0.79)	5.50E-09	-0.045	0.253
COPD in never-smokers	LYN	cg08894788	2	Inverse variance weighted	-0.136	0.039	0.87 (0.81, 0.94)	5.19E-04	NA	NA
COPD in never-smokers	PIP4K2B	cg20760360	3	Inverse variance weighted	-0.219	0.072	0.80 (0.70, 0.92)	0.002	-0.064	0.255
COPD in never-smokers	AIRE	cg23366234	1	Wald ratio	-0.260	0.081	0.77 (0.66, 0.90)	0.001	NA	NA
COPD in never-smokers	PIP4K2C	cg05694847	3	Inverse variance weighted	0.101	0.042	1.11 (1.02, 1.20)	0.017	0.010	0.812
COPD in never-smokers	MYH14	cg10639981	2	Inverse variance weighted	-0.312	0.070	0.73 (0.64, 0.84)	7.53E-06	NA	NA
COPD in never-smokers	AIRE	cg26472802	1	Wald ratio	-0.273	0.085	0.76 (0.64, 0.90)	0.001	NA	NA
COPD in never-smokers	PPT2;PRRT1	cg12883279	1	Wald ratio	-0.393	0.116	0.67 (0.54, 0.85)	7.39E-04	NA	NA
COPD in never-smokers	GSDMB	cg10057218	7	Inverse variance weighted	-0.100	0.043	0.91 (0.83, 0.98)	0.019	-0.036	0.244
COPD in never-smokers	TRIM8	cg06662132	1	Wald ratio	-0.311	0.097	0.73 (0.61, 0.89)	0.001	NA	NA
COPD in never-smokers	TRAF1	cg15551881	4	Inverse variance weighted	0.179	0.041	1.20 (1.10, 1.30)	1.37E-05	-0.044	0.506
COPD in never-smokers	SLC9A3R1	cg09978353	1	Wald ratio	0.400	0.120	1.49 (1.18, 1.89)	9.01E-04	NA	NA

COPD in never-smokers	ORMDL3	cg22144450	8	Inverse variance weighted	-0.108	0.025	0.90 (0.86, 0.94)	1.61E-05	-0.009	0.673
COPD in never-smokers	ORMDL3	cg12655416	10	Inverse variance weighted	-0.090	0.023	0.91 (0.87, 0.96)	6.92E-05	-0.014	0.471
COPD in never-smokers	DDX47	cg14463304	1	Wald ratio	-0.352	0.112	0.70 (0.56, 0.88)	0.002	NA	NA
COPD in never-smokers	MTMR9	cg06240162	1	Wald ratio	0.345	0.109	1.41 (1.14, 1.75)	0.002	NA	NA
COPD in never-smokers	ATP6V1C2	cg08803791	2	Inverse variance weighted	0.168	0.053	1.18 (1.07, 1.31)	0.002	NA	NA
COPD in never-smokers	BCL10	cg02862864	18	Inverse variance weighted	0.045	0.014	1.05 (1.02, 1.08)	0.001	-0.013	0.239
COPD in never-smokers	ST20	cg21315874	16	Inverse variance weighted	-0.050	0.021	0.95 (0.91, 0.99)	0.016	0.022	0.184
COPD in never-smokers	GSDMA	cg26162295	11	Inverse variance weighted	-0.074	0.018	0.93 (0.90, 0.96)	4.97E-05	-0.022	0.398
COPD in never-smokers	GSDMA	cg24910161	11	Inverse variance weighted	-0.073	0.019	0.93 (0.90, 0.96)	9.88E-05	-0.016	0.421
COPD in never-smokers	PTGIS	cg15543919	3	Inverse variance weighted	0.188	0.051	1.21 (1.09, 1.33)	2.10E-04	0.037	0.558
COPD in never-smokers	PCGF2	cg02433498	1	Wald ratio	-0.232	0.070	0.79 (0.69, 0.91)	8.62E-04	NA	NA
COPD in never-smokers	ATP13A2	cg06953703	1	Wald ratio	-0.329	0.110	0.72 (0.58, 0.89)	0.003	NA	NA
COPD in never-smokers	RPL8	cg19526425	1	Wald ratio	0.256	0.089	1.29 (1.08, 1.54)	0.004	NA	NA
COPD in never-smokers	TRAF1	cg14392772	1	Wald ratio	-0.217	0.077	0.81 (0.69, 0.94)	0.005	NA	NA
COPD in never-smokers	AP3D1	cg21414902	1	Wald ratio	-0.281	0.098	0.76 (0.62, 0.92)	0.004	NA	NA
COPD in never-smokers	PTGIS	cg11746287	1	Wald ratio	0.213	0.077	1.24 (1.06, 1.44)	0.005	NA	NA
COPD in never-smokers	PROM2	cg09301143	1	Wald ratio	-0.193	0.070	0.82 (0.72, 0.95)	0.006	NA	NA
COPD in never-smokers	MDM2	cg04667586	1	Wald ratio	-0.293	0.102	0.75 (0.61, 0.91)	0.004	NA	NA
COPD in never-smokers	ORMDL3	cg19511844	1	Wald ratio	0.308	0.107	1.36 (1.10, 1.68)	0.004	NA	NA
COPD in never-smokers	ITGAM	cg09326409	1	Wald ratio	0.293	0.102	1.34 (1.10, 1.64)	0.004	NA	NA
COPD in never-smokers	ATP6V1C2	cg18436444	1	Wald ratio	0.255	0.090	1.29 (1.08, 1.54)	0.004	NA	NA
COPD in never-smokers	PDCD10	cg18801567	6	Inverse variance weighted	0.082	0.028	1.09 (1.03, 1.15)	0.003	0.001	0.950
COPD in never-smokers	HYAL2	cg07271561	8	Inverse variance weighted	-0.071	0.035	0.93 (0.87, 1.00)	0.041	-0.019	0.537
COPD in never-smokers	CD68	cg21808406	1	Wald ratio	0.262	0.095	1.30 (1.08, 1.57)	0.006	NA	NA
COPD in never-smokers	TRAF1	cg14064762	1	Wald ratio	0.184	0.069	1.20 (1.05, 1.38)	0.008	NA	NA
COPD in never-smokers	CD84	cg21454485	1	Wald ratio	-0.273	0.100	0.76 (0.63, 0.93)	0.006	NA	NA
COPD in never-smokers	FHIT	cg25921543	1	Wald ratio	-0.253	0.094	0.78 (0.65, 0.93)	0.007	NA	NA
COPD in never-smokers	ITGAM	cg15337006	1	Wald ratio	-0.304	0.111	0.74 (0.59, 0.92)	0.006	NA	NA
COPD in never-smokers	ITGAM	cg05625471	4	Inverse variance weighted	0.111	0.038	1.12 (1.04, 1.20)	0.003	-0.012	0.667
COPD in never-smokers	CASP8AP2	cg13799429	20	Inverse variance weighted	-0.032	0.013	0.97 (0.94, 0.99)	0.016	0.013	0.162
COPD in never-smokers	RPL8	cg02578312	11	Inverse variance weighted	0.080	0.019	1.08 (1.04, 1.12)	2.85E-05	0.012	0.411
COPD in never-smokers	RPTOR	cg06418238	14	Inverse variance weighted	0.046	0.013	1.05 (1.02, 1.07)	3.21E-04	0.003	0.820
COPD in never-smokers	RPTOR	cg06153925	13	Inverse variance weighted	0.052	0.014	1.05 (1.02, 1.08)	2.43E-04	0.000	0.971
COPD in never-smokers	TRAF1	cg04517263	2	Inverse variance weighted	0.224	0.082	1.25 (1.07, 1.47)	0.006	NA	NA
COPD in never-smokers	ITGAM	cg02256631	2	Inverse variance weighted	0.087	0.034	1.09 (1.02, 1.17)	0.011	NA	NA
COPD in never-smokers	SLC11A2	cg22789605	2	Inverse variance weighted	0.075	0.035	1.08 (1.01, 1.15)	0.034	NA	NA
COPD in never-smokers	RPL8	cg11631160	1	Wald ratio	0.199	0.078	1.22 (1.05, 1.42)	0.011	NA	NA
COPD in never-smokers	GSDMB	cg12360886	1	Wald ratio	-0.343	0.127	0.71 (0.55, 0.91)	0.007	NA	NA
COPD in never-smokers	P2RX4	cg16599007	1	Wald ratio	-0.202	0.080	0.82 (0.70, 0.96)	0.012	NA	NA
COPD in never-smokers	BLK	cg24861686	11	Inverse variance weighted	-0.144	0.028	0.87 (0.82, 0.91)	1.52E-07	-0.026	0.312
COPD in never-smokers	STK25	cg09289202	32	Inverse variance weighted	-0.039	0.009	0.96 (0.94, 0.98)	1.95E-05	-0.008	0.351
COPD in never-smokers	PPP2R1B	cg09085632	9	Inverse variance weighted	-0.046	0.019	0.95 (0.92, 0.99)	0.017	-0.012	0.508

COPD in never-smokers	PPP2R1B	cg18213857	8	Inverse variance weighted	-0.048	0.020	0.95 (0.92, 0.99)	0.016	-0.005	0.777
COPD in never-smokers	GSDMA	cg10794714	1	Wald ratio	-0.247	0.098	0.78 (0.64, 0.95)	0.012	NA	NA
COPD in never-smokers	PRKAB2	cg04870460	1	Wald ratio	0.218	0.105	1.24 (1.01, 1.53)	0.038	NA	NA
COPD in never-smokers	RPTOR	cg26733897	2	Inverse variance weighted	-0.208	0.066	0.81 (0.71, 0.92)	0.002	NA	NA
COPD in never-smokers	PHLDA3	cg18569595	2	Inverse variance weighted	0.129	0.046	1.14 (1.04, 1.24)	0.005	NA	NA
COPD in never-smokers	EPO	cg20893717	1	Wald ratio	-0.322	0.124	0.72 (0.57, 0.92)	0.010	NA	NA
COPD in never-smokers	DAPL1	cg23560546	6	Inverse variance weighted	-0.066	0.021	0.94 (0.90, 0.98)	0.002	0.000	0.989
COPD in never-smokers	PPP2R1B	cg23026420	2	Inverse variance weighted	-0.138	0.049	0.87 (0.79, 0.96)	0.005	NA	NA
COPD in never-smokers	MUC1	cg22531371	1	Wald ratio	0.265	0.106	1.30 (1.06, 1.60)	0.012	NA	NA
COPD in never-smokers	GATA4	cg01546563	4	Inverse variance weighted	0.118	0.042	1.12 (1.04, 1.22)	0.005	0.020	0.520
COPD in never-smokers	CDH1	cg13920367	13	Inverse variance weighted	-0.039	0.017	0.96 (0.93, 0.99)	0.025	-0.001	0.938
COPD in never-smokers	GSDMA	cg08995595	1	Wald ratio	-0.202	0.083	0.82 (0.69, 0.96)	0.014	NA	NA
COPD in never-smokers	RAF1	cg23032965	18	Inverse variance weighted	0.047	0.017	1.05 (1.01, 1.08)	0.006	0.016	0.213
COPD in never-smokers	PYCARD	cg00327577	1	Wald ratio	-0.295	0.119	0.74 (0.59, 0.94)	0.013	NA	NA
COPD in never-smokers	AP3D1	cg09548694	3	Inverse variance weighted	-0.154	0.038	0.86 (0.80, 0.92)	5.73E-05	-0.013	0.771
COPD in never-smokers	NCOA4	cg12178669	1	Wald ratio	0.082	0.036	1.09 (1.01, 1.16)	0.022	NA	NA
COPD in never-smokers	NCOA4	cg06098215	1	Wald ratio	0.076	0.033	1.08 (1.01, 1.15)	0.022	NA	NA
COPD in never-smokers	NCOA4	cg16814786	2	Inverse variance weighted	0.089	0.037	1.09 (1.02, 1.17)	0.016	NA	NA
COPD in never-smokers	ITGAV	cg15732657	1	Wald ratio	-0.207	0.057	0.81 (0.73, 0.91)	2.47E-04	NA	NA
COPD in never-smokers	GSDMB	cg27435903	3	Inverse variance weighted	0.118	0.040	1.12 (1.04, 1.22)	0.004	0.028	0.618
COPD in never-smokers	SESN2	cg01172735	1	Wald ratio	0.290	0.119	1.34 (1.06, 1.69)	0.015	NA	NA
COPD in never-smokers	MNT	cg27406664	18	Inverse variance weighted	-0.035	0.015	0.97 (0.94, 0.99)	0.017	-0.020	0.161
COPD in never-smokers	RAF1	cg13703021	1	Wald ratio	0.151	0.066	1.16 (1.02, 1.32)	0.023	NA	NA
COPD in never-smokers	CD70	cg26737640	2	Inverse variance weighted	0.186	0.089	1.20 (1.01, 1.44)	0.038	NA	NA
COPD in never-smokers	RPTOR	cg06975080	8	Inverse variance weighted	0.077	0.025	1.08 (1.03, 1.14)	0.003	-0.031	0.140
COPD in never-smokers	HPS6	cg14124646	17	Inverse variance weighted	-0.061	0.017	0.94 (0.91, 0.97)	3.66E-04	-0.005	0.596
COPD in never-smokers	GUSB	cg11987759	20	Inverse variance weighted	-0.031	0.011	0.97 (0.95, 0.99)	0.003	0.008	0.637
COPD in never-smokers	DAPL1	cg09357934	6	Inverse variance weighted	-0.061	0.023	0.94 (0.90, 0.98)	0.006	0.009	0.646
COPD in never-smokers	PHLDA3	cg04055835	3	Inverse variance weighted	-0.168	0.058	0.85 (0.75, 0.95)	0.004	-0.042	0.694
COPD in never-smokers	CTSW	cg18410078	20	Inverse variance weighted	-0.032	0.013	0.97 (0.94, 0.99)	0.017	-0.002	0.857
COPD in never-smokers	DAPL1	cg21992932	8	Inverse variance weighted	-0.057	0.020	0.94 (0.91, 0.98)	0.004	0.000	0.984
COPD in never-smokers	MSH6	cg02905881	2	Inverse variance weighted	0.145	0.059	1.16 (1.03, 1.30)	0.013	NA	NA
COPD in never-smokers	PTGIS	cg05932408	1	Wald ratio	0.307	0.127	1.36 (1.06, 1.74)	0.016	NA	NA
COPD in never-smokers	UBE2K	cg05971751	1	Wald ratio	-0.291	0.123	0.75 (0.59, 0.95)	0.018	NA	NA
COPD in never-smokers	FHIT	cg03060986	1	Wald ratio	-0.214	0.093	0.81 (0.67, 0.97)	0.022	NA	NA
COPD in never-smokers	NCOA4	cg19322864	1	Wald ratio	0.209	0.092	1.23 (1.03, 1.47)	0.022	NA	NA
COPD in never-smokers	MUC1	cg22500132	1	Wald ratio	0.192	0.084	1.21 (1.03, 1.43)	0.023	NA	NA
COPD in never-smokers	STX4	cg06233904	1	Wald ratio	-0.145	0.066	0.86 (0.76, 0.98)	0.029	NA	NA
COPD in never-smokers	PPT2	cg04536704	12	Inverse variance weighted	0.183	0.042	1.20 (1.11, 1.30)	1.28E-05	0.039	0.152
COPD in never-smokers	P2RX4	cg19357999	21	Inverse variance weighted	-0.049	0.013	0.95 (0.93, 0.98)	1.99E-04	-0.005	0.607
COPD in never-smokers	PEBP1	cg16572268	3	Inverse variance weighted	-0.121	0.048	0.89 (0.81, 0.97)	0.012	-0.021	0.677
COPD in never-smokers	RPTOR	cg14343513	10	Inverse variance weighted	0.079	0.019	1.08 (1.04, 1.12)	2.94E-05	0.001	0.926

COPD in never-smokers	CLEC16A	cg10390979	1	Wald ratio	0.231	0.068	1.26 (1.10, 1.44)	6.85E-04	NA	NA
COPD in never-smokers	TFRC	cg16311045	1	Wald ratio	-0.183	0.082	0.83 (0.71, 0.98)	0.027	NA	NA
COPD in never-smokers	NLRC4	cg14625450	2	Inverse variance weighted	-0.114	0.052	0.89 (0.81, 0.99)	0.029	NA	NA
COPD in never-smokers	STX4	cg07404961	4	Inverse variance weighted	0.129	0.037	1.14 (1.06, 1.22)	5.80E-04	0.036	0.367
COPD in never-smokers	RPTOR	cg05098037	8	Inverse variance weighted	0.086	0.021	1.09 (1.05, 1.14)	5.79E-05	0.006	0.660
COPD in never-smokers	ATP6V0E2;LOC401431	cg18934443	1	Wald ratio	0.133	0.061	1.14 (1.01, 1.29)	0.029	NA	NA
COPD in never-smokers	RPTOR	cg23238734	2	Inverse variance weighted	0.245	0.069	1.28 (1.12, 1.46)	3.99E-04	NA	NA
COPD in never-smokers	LAPTM4A	cg17953136	1	Wald ratio	0.170	0.078	1.19 (1.02, 1.38)	0.029	NA	NA
COPD in never-smokers	BCL10	cg23665568	2	Inverse variance weighted	-0.120	0.061	0.89 (0.79, 1.00)	0.048	NA	NA
COPD in never-smokers	TRIM27	cg27120125	2	Inverse variance weighted	-0.406	0.101	0.67 (0.55, 0.81)	5.39E-05	NA	NA
COPD in never-smokers	TRIM27	cg09292581	1	Wald ratio	-0.294	0.129	0.75 (0.58, 0.96)	0.023	NA	NA
COPD in never-smokers	TRIM27	cg27358207	1	Wald ratio	-0.246	0.121	0.78 (0.62, 0.99)	0.041	NA	NA
COPD in never-smokers	MSH6	cg04781916	4	Inverse variance weighted	-0.091	0.036	0.91 (0.85, 0.98)	0.011	-0.018	0.409
COPD in never-smokers	PPT2	cg00086577	22	Inverse variance weighted	0.118	0.040	1.12 (1.04, 1.22)	0.004	-0.002	0.943
COPD in never-smokers	PYCARD	cg07461837	5	Inverse variance weighted	0.058	0.027	1.06 (1.01, 1.12)	0.031	-0.006	0.778
COPD in never-smokers	PPT2	cg04856022	12	Inverse variance weighted	0.194	0.048	1.21 (1.11, 1.33)	4.81E-05	0.053	0.082
COPD in never-smokers	RPTOR	cg11499091	4	Inverse variance weighted	0.139	0.049	1.15 (1.05, 1.26)	0.004	0.025	0.523
COPD in never-smokers	FEZ2	cg15105969	20	Inverse variance weighted	-0.027	0.013	0.97 (0.95, 1.00)	0.033	0.003	0.815
COPD in never-smokers	SERPINE1	cg19722814	1	Wald ratio	-0.157	0.074	0.86 (0.74, 0.99)	0.035	NA	NA
COPD in never-smokers	CX3CR1	cg18565762	16	Inverse variance weighted	0.034	0.014	1.03 (1.01, 1.06)	0.014	0.009	0.446
COPD in never-smokers	AP3B2	cg27279991	2	Inverse variance weighted	0.170	0.083	1.19 (1.01, 1.39)	0.041	NA	NA
COPD in never-smokers	SESN2	cg01557411	9	Inverse variance weighted	0.046	0.017	1.05 (1.01, 1.08)	0.007	0.003	0.876
COPD in never-smokers	CLEC16A	cg27227804	2	Inverse variance weighted	-0.132	0.055	0.88 (0.79, 0.98)	0.017	NA	NA
COPD in never-smokers	ATP6V1C1	cg03506193	2	Inverse variance weighted	0.071	0.034	1.07 (1.00, 1.15)	0.038	NA	NA
COPD in never-smokers	ATP6V0E2;LOC401431	cg09469432	1	Wald ratio	0.143	0.069	1.15 (1.01, 1.32)	0.038	NA	NA
COPD in never-smokers	CDH1	cg20716119	1	Wald ratio	-0.141	0.068	0.87 (0.76, 0.99)	0.039	NA	NA
COPD in never-smokers	HGS	cg13309461	3	Inverse variance weighted	0.094	0.040	1.10 (1.02, 1.19)	0.018	0.022	0.413
COPD in never-smokers	TMEM102	cg18064787	4	Inverse variance weighted	-0.096	0.034	0.91 (0.85, 0.97)	0.005	0.032	0.434
COPD in never-smokers	ATP6V0E2;LOC401431	cg24845380	1	Wald ratio	0.209	0.101	1.23 (1.01, 1.50)	0.038	NA	NA
COPD in never-smokers	IL13	cg13566430	4	Inverse variance weighted	-0.116	0.039	0.89 (0.82, 0.96)	0.003	0.016	0.477
COPD in never-smokers	RPTOR	cg09516200	7	Inverse variance weighted	0.084	0.034	1.09 (1.02, 1.16)	0.014	0.024	0.530
COPD in never-smokers	P2RX7	cg12121075	14	Inverse variance weighted	0.053	0.016	1.05 (1.02, 1.09)	7.28E-04	-0.002	0.846
COPD in never-smokers	ATP6V1E2	cg04944393	1	Wald ratio	-0.197	0.096	0.82 (0.68, 0.99)	0.041	NA	NA
COPD in never-smokers	DAB2IP	cg14136214	1	Wald ratio	-0.156	0.077	0.86 (0.74, 1.00)	0.043	NA	NA
COPD in never-smokers	CTSW	cg03887787	21	Inverse variance weighted	-0.039	0.013	0.96 (0.94, 0.99)	0.003	-0.002	0.848
COPD in never-smokers	CTSW	cg01669108	14	Inverse variance weighted	-0.049	0.017	0.95 (0.92, 0.98)	0.004	0.003	0.737
COPD in never-smokers	PRKAG2	cg26482626	1	Wald ratio	0.213	0.104	1.24 (1.01, 1.52)	0.040	NA	NA
COPD in never-smokers	GATA4	cg23972785	8	Inverse variance weighted	-0.090	0.024	0.91 (0.87, 0.96)	2.02E-04	0.006	0.885

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; OR odds ratio; CI, confidence interval

Table S20. Genetic instruments for sensitivity analysis of PCD-related gene methylation in relation to COPD

Outcome	Gene	probeID	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
Overall COPD	AATF	cg02282317	rs62072263	A	G	0.257	0.023	0.486	3.58E-29	-0.016	0.007	0.029	0.033	125.629	TRUE	4.04E-28
Overall COPD	AATF	cg02282317	rs9893681	A	T	-0.312	0.052	0.088	1.79E-09	0.004	0.013	0.739	0.010	36.172	TRUE	2.32E-09
Overall COPD	AATF	cg03252536	rs57032547	A	G	0.700	0.105	0.020	2.30E-11	0.011	0.027	0.676	0.012	44.676	TRUE	3.29E-11
Overall COPD	AATF	cg06385152	rs9905721	G	A	-0.680	0.095	0.026	9.08E-13	0.010	0.025	0.689	0.014	51.006	TRUE	1.36E-12
Overall COPD	AATF	cg10760240	rs11658121	G	A	0.276	0.035	0.396	2.25E-15	0.014	0.007	0.053	0.017	62.797	TRUE	7.73E-15
Overall COPD	AATF	cg10760240	rs1266175	G	A	0.229	0.024	0.379	1.69E-21	0.003	0.007	0.721	0.024	90.635	TRUE	3.64E-21
Overall COPD	AATF	cg10760240	rs142385159	C	T	-1.099	0.074	0.027	8.98E-50	-0.010	0.019	0.594	0.056	219.896	TRUE	1.91E-48
Overall COPD	AATF	cg10760240	rs150059290	A	G	-0.417	0.048	0.124	6.14E-18	-0.004	0.010	0.684	0.020	74.436	TRUE	1.15E-17
Overall COPD	AATF	cg10760240	rs1634332	G	A	0.256	0.025	0.286	3.18E-24	0.003	0.008	0.721	0.027	103.049	TRUE	7.95E-24
Overall COPD	AATF	cg10760240	rs17622603	C	T	-0.498	0.047	0.062	2.65E-26	-0.008	0.013	0.527	0.030	112.531	TRUE	8.89E-26
Overall COPD	AATF	cg10760240	rs72826148	T	A	-1.563	0.034	0.130	<1E-200	0.001	0.011	0.890	0.361	2085.833	TRUE	<1E-200
Overall COPD	AATF	cg10760240	rs72828293	T	C	-1.004	0.141	0.015	1.11E-12	-0.010	0.027	0.712	0.013	50.616	TRUE	1.63E-12
Overall COPD	AATF	cg10760240	rs9747659	A	G	0.303	0.031	0.463	2.82E-22	0.001	0.010	0.933	0.025	94.174	TRUE	5.41E-22
Overall COPD	AATF	cg11262262	rs62072264	C	T	-0.141	0.023	0.482	1.61E-09	-0.016	0.007	0.027	0.010	36.373	TRUE	4.15E-09
Overall COPD	AATF	cg11262262	rs6607358	G	A	0.495	0.065	0.032	2.75E-14	0.015	0.020	0.455	0.015	57.875	TRUE	5.11E-14
Overall COPD	AATF	cg11262262	rs7216758	G	T	0.757	0.063	0.064	1.76E-33	0.010	0.014	0.480	0.038	145.315	TRUE	1.02E-32
Overall COPD	AATF	cg11262262	rs80173298	C	T	0.713	0.102	0.014	2.75E-12	-0.031	0.030	0.303	0.013	48.836	TRUE	5.26E-12
Overall COPD	AATF	cg12996119	rs12453407	G	A	-0.199	0.023	0.470	7.92E-18	0.005	0.007	0.443	0.020	73.934	TRUE	1.77E-17
Overall COPD	AATF	cg12996119	rs12936981	A	G	-0.421	0.068	0.052	6.48E-10	-0.003	0.016	0.846	0.010	38.151	TRUE	8.11E-10
Overall COPD	AATF	cg12996119	rs142385159	C	T	0.430	0.075	0.027	1.01E-08	-0.010	0.019	0.594	0.009	32.802	TRUE	1.38E-08
Overall COPD	AATF	cg12996119	rs17138899	C	A	-0.240	0.042	0.080	1.17E-08	0.001	0.012	0.946	0.009	32.514	TRUE	1.36E-08
Overall COPD	AATF	cg12996119	rs62072263	A	G	0.474	0.023	0.486	1.56E-96	-0.016	0.007	0.029	0.105	434.444	TRUE	1.68E-91
Overall COPD	AATF	cg12996119	rs8076831	A	C	-0.184	0.032	0.438	8.80E-09	0.014	0.007	0.061	0.009	33.073	TRUE	1.91E-08
Overall COPD	AATF	cg12996119	rs9893060	A	G	-0.413	0.053	0.050	7.80E-15	0.005	0.017	0.786	0.016	60.351	TRUE	1.19E-14
Overall COPD	AATF	cg14974722	rs9905721	G	A	-0.683	0.095	0.026	8.53E-13	0.010	0.025	0.689	0.014	51.128	TRUE	1.28E-12
Overall COPD	ABL2	cg10805082	rs72709483	G	C	-0.224	0.037	0.121	1.05E-09	-0.019	0.011	0.077	0.010	37.204	TRUE	2.34E-09
Overall COPD	ABL2	cg13927605	rs2636293	A	G	-0.130	0.023	0.463	1.76E-08	0.000	0.007	0.944	0.009	31.727	TRUE	2.03E-08
Overall COPD	ABL2	cg18433086	rs6672395	C	T	0.219	0.033	0.147	2.39E-11	0.022	0.009	0.018	0.012	44.594	TRUE	7.45E-11
Overall COPD	ACER2	cg14628274	rs10964137	C	T	0.251	0.031	0.172	6.83E-16	0.024	0.009	0.008	0.017	65.147	TRUE	3.39E-15
Overall COPD	ACSF2	cg05346527	rs17641232	C	T	-0.200	0.026	0.301	5.68E-15	0.017	0.007	0.023	0.016	60.975	TRUE	2.22E-14
Overall COPD	ACSF2	cg06958829	rs2277629	G	A	-0.215	0.026	0.293	8.96E-17	0.018	0.007	0.015	0.018	69.148	TRUE	4.33E-16
Overall COPD	ACSF2	cg14672994	rs117262720	A	G	0.255	0.042	0.082	1.18E-09	-0.004	0.013	0.756	0.010	36.978	TRUE	1.53E-09
Overall COPD	ACSF2	cg14672994	rs12450550	C	T	-0.200	0.026	0.286	1.09E-14	0.008	0.007	0.284	0.016	59.691	TRUE	2.40E-14
Overall COPD	ACSF2	cg14672994	rs198551	A	G	0.131	0.023	0.474	2.24E-08	0.004	0.007	0.520	0.008	31.258	TRUE	3.13E-08
Overall COPD	ACSF2	cg14672994	rs2277631	A	C	0.491	0.025	0.292	1.64E-83	0.018	0.007	0.015	0.092	374.649	TRUE	2.34E-79
Overall COPD	ACSF2	cg14672994	rs3760406	A	C	-0.236	0.031	0.178	4.34E-14	-0.030	0.009	8.44E-04	0.015	56.976	TRUE	2.55E-13
Overall COPD	ACSF2	cg14672994	rs7207158	T	C	-0.143	0.025	0.367	7.19E-09	0.012	0.007	0.114	0.009	33.465	TRUE	1.42E-08
Overall COPD	ACSF2	cg14672994	rs7215760	G	A	0.153	0.024	0.409	1.60E-10	0.010	0.007	0.159	0.011	40.878	TRUE	3.26E-10
Overall COPD	ACSF2	cg14767768	rs2305998	G	C	0.165	0.026	0.295	9.26E-11	0.018	0.007	0.014	0.011	41.950	TRUE	2.85E-10
Overall COPD	ACSF2	cg17890928	rs2277629	G	A	-0.186	0.026	0.293	7.06E-13	0.018	0.007	0.015	0.014	51.499	TRUE	2.54E-12

Overall COPD	ACSF2	cg19748341	rs4794144	G	A	0.173	0.025	0.303	8.20E-12	0.006	0.008	0.434	0.012	46.693	TRUE	1.39E-11
Overall COPD	ACSF2	cg22002216	rs6504657	C	T	0.261	0.026	0.300	2.55E-24	0.013	0.008	0.080	0.027	103.485	TRUE	1.49E-23
Overall COPD	ACSF2	cg23674344	rs1132414	G	A	0.226	0.027	0.247	2.07E-16	0.020	0.008	0.013	0.018	67.497	TRUE	9.98E-16
Overall COPD	ACSF2	cg23674344	rs113484279	A	G	0.500	0.084	0.020	2.44E-09	0.045	0.019	0.017	0.010	35.565	TRUE	6.60E-09
Overall COPD	ACSF2	cg23674344	rs117262720	A	G	0.485	0.042	0.082	2.28E-31	-0.004	0.013	0.756	0.035	135.661	TRUE	8.61E-31
Overall COPD	ACSF2	cg23674344	rs12953066	C	T	-0.139	0.025	0.327	2.57E-08	-0.001	0.007	0.874	0.008	30.994	TRUE	3.03E-08
Overall COPD	ACSF2	cg23674344	rs2189712	T	A	-0.275	0.026	0.285	1.40E-26	0.008	0.007	0.284	0.030	113.792	TRUE	6.32E-26
Overall COPD	ACSF2	cg23674344	rs2277631	A	C	0.618	0.025	0.292	1.32E-134	0.018	0.007	0.015	0.141	609.345	TRUE	7.55E-126
Overall COPD	ACSF2	cg23674344	rs2412315	A	G	-0.223	0.037	0.112	1.66E-09	-0.030	0.010	0.004	0.010	36.319	TRUE	5.48E-09
Overall COPD	ACSF2	cg23674344	rs7212308	T	C	0.167	0.026	0.291	1.14E-10	-0.002	0.007	0.828	0.011	41.549	TRUE	1.47E-10
Overall COPD	ACSF2	cg25792518	rs35269615	A	G	-0.165	0.025	0.363	2.01E-11	0.017	0.007	0.015	0.012	44.939	TRUE	6.45E-11
Overall COPD	ACSL6	cg02257405	rs10059315	A	G	0.388	0.067	0.029	7.42E-09	-0.014	0.024	0.558	0.009	33.403	TRUE	1.03E-08
Overall COPD	ACSL6	cg19096799	rs10080188	A	T	0.321	0.058	0.039	3.09E-08	-0.004	0.018	0.817	0.008	30.633	TRUE	3.74E-08
Overall COPD	AGRP	cg06285333	rs111986796	T	C	0.614	0.091	0.020	1.23E-11	-0.040	0.031	0.194	0.012	45.897	TRUE	2.55E-11
Overall COPD	AGRP	cg06285333	rs6499130	T	G	-0.365	0.043	0.076	3.38E-17	-0.022	0.018	0.225	0.019	71.073	TRUE	9.13E-17
Overall COPD	AIFM2	cg00352027	rs10999236	C	T	-0.301	0.048	0.061	4.52E-10	-0.025	0.014	0.066	0.010	38.854	TRUE	1.05E-09
Overall COPD	AIFM2	cg00352027	rs7082396	A	C	-0.235	0.024	0.348	9.07E-22	-0.005	0.007	0.517	0.024	91.859	TRUE	2.35E-21
Overall COPD	AIFM2	cg01322555	rs10999150	A	G	0.668	0.033	0.415	3.15E-93	-0.008	0.007	0.282	0.102	419.262	TRUE	4.95E-89
Overall COPD	AIFM2	cg01322555	rs10999152	A	T	-0.239	0.032	0.161	1.24E-13	-0.016	0.009	0.088	0.015	54.913	TRUE	3.42E-13
Overall COPD	AIFM2	cg01322555	rs6480431	G	A	0.163	0.030	0.185	4.82E-08	0.015	0.009	0.104	0.008	29.771	TRUE	9.20E-08
Overall COPD	AIFM2	cg02100629	rs16927241	A	G	-0.151	0.026	0.287	4.98E-09	-0.014	0.008	0.084	0.009	34.177	TRUE	1.05E-08
Overall COPD	AIFM2	cg02100629	rs1904589	T	C	-0.210	0.023	0.450	3.46E-19	-0.003	0.007	0.610	0.021	80.111	TRUE	7.24E-19
Overall COPD	AIFM2	cg02100629	rs199902924	G	A	0.192	0.029	0.222	1.63E-11	-0.031	0.015	0.040	0.012	45.352	TRUE	4.53E-11
Overall COPD	AIFM2	cg02100629	rs2394645	G	C	-0.722	0.023	0.393	6.30E-224	-0.002	0.007	0.743	0.216	1019.943	TRUE	6.02E-205
Overall COPD	AIFM2	cg02100629	rs35359681	A	G	-0.441	0.068	0.031	7.17E-11	0.002	0.019	0.919	0.011	42.449	TRUE	8.90E-11
Overall COPD	AIFM2	cg02100629	rs3750779	T	C	-0.220	0.026	0.263	4.74E-17	-0.006	0.008	0.440	0.019	70.402	TRUE	1.02E-16
Overall COPD	AIFM2	cg02100629	rs41277972	C	A	-0.451	0.071	0.028	1.73E-10	-0.002	0.021	0.938	0.011	40.723	TRUE	2.11E-10
Overall COPD	AIFM2	cg02100629	rs55742012	T	G	-0.210	0.035	0.126	2.89E-09	-0.003	0.010	0.803	0.009	35.236	TRUE	3.63E-09
Overall COPD	AIFM2	cg02100629	rs6480431	G	A	-0.231	0.030	0.185	9.98E-15	0.015	0.009	0.104	0.016	59.868	TRUE	2.84E-14
Overall COPD	AIFM2	cg02100629	rs884195	T	A	0.203	0.037	0.122	3.20E-08	-0.012	0.012	0.332	0.008	30.565	TRUE	4.96E-08
Overall COPD	AIFM2	cg02308884	rs75804426	A	T	-0.175	0.028	0.234	2.24E-10	-0.010	0.008	0.192	0.011	40.221	TRUE	4.35E-10
Overall COPD	AIFM2	cg03087610	rs2310991	A	C	-0.270	0.023	0.421	8.40E-32	-0.006	0.007	0.387	0.036	137.642	TRUE	4.80E-31
Overall COPD	AIFM2	cg04859918	rs10823504	A	G	-0.394	0.048	0.059	4.27E-16	-0.020	0.014	0.148	0.018	66.074	TRUE	1.21E-15
Overall COPD	AIFM2	cg04859918	rs112800240	T	C	-0.292	0.051	0.052	7.44E-09	-0.013	0.015	0.385	0.009	33.397	TRUE	1.15E-08
Overall COPD	AIFM2	cg04859918	rs113487866	T	G	0.414	0.059	0.044	1.86E-12	-0.033	0.016	0.041	0.013	49.601	TRUE	5.48E-12
Overall COPD	AIFM2	cg04859918	rs1904589	T	C	-0.162	0.023	0.450	5.12E-12	-0.003	0.007	0.610	0.013	47.614	TRUE	7.80E-12
Overall COPD	AIFM2	cg04859918	rs2310991	A	C	-0.441	0.023	0.421	5.33E-82	-0.006	0.007	0.387	0.090	367.714	TRUE	1.02E-78
Overall COPD	AIFM2	cg04859918	rs2894110	C	T	-0.357	0.039	0.100	3.77E-20	-0.005	0.011	0.668	0.022	84.491	TRUE	7.92E-20
Overall COPD	AIFM2	cg13216961	rs10999151	A	G	-0.182	0.024	0.397	1.74E-14	-0.008	0.007	0.261	0.016	58.771	TRUE	3.89E-14
Overall COPD	AIFM2	cg15779600	rs1043884	C	A	-0.164	0.026	0.277	2.63E-10	-0.009	0.008	0.239	0.011	39.910	TRUE	4.84E-10
Overall COPD	AIFM2	cg15779600	rs10762357	C	T	0.176	0.024	0.419	1.09E-13	0.020	0.007	0.006	0.015	55.169	TRUE	4.72E-13
Overall COPD	AIFM2	cg15779600	rs15801	T	C	-0.439	0.023	0.404	1.37E-80	-0.004	0.007	0.582	0.089	361.236	TRUE	1.48E-77

Overall COPD	AIFM2	cg17446739	rs10823504	A	G	-0.327	0.049	0.059	1.77E-11	-0.020	0.014	0.148	0.012	45.181	TRUE	3.86E-11
Overall COPD	AIFM2	cg17446739	rs6480442	T	C	-0.596	0.023	0.379	7.38E-149	-0.005	0.007	0.525	0.154	674.836	TRUE	1.09E-139
Overall COPD	AIFM2	cg17446739	rs7074416	G	A	-0.147	0.023	0.450	3.69E-10	-0.004	0.007	0.561	0.010	39.251	TRUE	5.38E-10
Overall COPD	AIFM2	cg18061319	rs10999251	C	T	0.154	0.024	0.345	2.79E-10	0.015	0.007	0.047	0.011	39.792	TRUE	6.96E-10
Overall COPD	AIFM2	cg18061319	rs15801	T	C	-0.593	0.023	0.404	1.27E-151	-0.004	0.007	0.582	0.157	687.549	TRUE	3.35E-142
Overall COPD	AIFM2	cg18061319	rs1904589	T	C	-0.197	0.023	0.450	3.99E-17	-0.003	0.007	0.610	0.019	70.745	TRUE	7.55E-17
Overall COPD	AIFM2	cg18061319	rs3750779	T	C	-0.171	0.026	0.263	6.12E-11	-0.006	0.008	0.440	0.011	42.760	TRUE	9.92E-11
Overall COPD	AIFM2	cg18061319	rs58667031	T	C	0.320	0.057	0.047	2.52E-08	-0.019	0.016	0.223	0.008	31.026	TRUE	4.27E-08
Overall COPD	AIFM2	cg18061319	rs7077793	T	C	0.280	0.044	0.077	2.57E-10	-0.014	0.013	0.276	0.011	39.954	TRUE	4.58E-10
Overall COPD	AIFM2	cg18061319	rs7897538	A	C	-0.197	0.033	0.147	2.42E-09	-0.008	0.009	0.418	0.010	35.579	TRUE	3.73E-09
Overall COPD	AIFM2	cg18204930	rs10999152	A	T	0.187	0.032	0.161	6.05E-09	-0.016	0.009	0.088	0.009	33.800	TRUE	1.25E-08
Overall COPD	AIFM2	cg18204930	rs6480442	T	C	-0.172	0.024	0.379	4.69E-13	-0.005	0.007	0.525	0.014	52.304	TRUE	7.86E-13
Overall COPD	AIFM2	cg18204930	rs7921649	T	G	0.476	0.035	0.124	1.76E-42	-0.021	0.010	0.034	0.048	186.497	TRUE	6.71E-41
Overall COPD	AIFM2	cg18204930	rs868075	A	G	0.197	0.034	0.139	1.01E-08	-0.006	0.010	0.573	0.009	32.806	TRUE	1.39E-08
Overall COPD	AIFM2	cg20241658	rs10999231	T	C	-0.161	0.025	0.309	2.03E-10	-0.012	0.007	0.082	0.011	40.412	TRUE	4.67E-10
Overall COPD	AIFM2	cg20241658	rs112758586	A	C	0.342	0.057	0.048	2.56E-09	-0.019	0.020	0.323	0.009	35.472	TRUE	4.20E-09
Overall COPD	AIFM2	cg20241658	rs2310991	A	C	-0.485	0.023	0.421	3.91E-100	-0.006	0.007	0.387	0.109	450.976	TRUE	1.65E-95
Overall COPD	AIFM2	cg20241658	rs7897538	A	C	-0.185	0.033	0.147	2.19E-08	-0.008	0.009	0.418	0.008	31.305	TRUE	3.23E-08
Overall COPD	AIFM2	cg25502086	rs10762357	C	T	0.174	0.024	0.419	2.53E-13	0.020	0.007	0.006	0.014	53.518	TRUE	1.06E-12
Overall COPD	AIFM2	cg25502086	rs10762363	A	C	-0.240	0.024	0.396	6.00E-24	-0.008	0.007	0.253	0.027	101.792	TRUE	2.36E-23
Overall COPD	AIFM2	cg25502086	rs10823504	A	G	-0.292	0.049	0.059	1.93E-09	-0.020	0.014	0.148	0.010	36.022	TRUE	3.75E-09
Overall COPD	AIFM2	cg25502086	rs10999318	C	A	0.183	0.023	0.492	5.09E-15	0.003	0.007	0.637	0.016	61.193	TRUE	8.61E-15
Overall COPD	AIFM2	cg25502086	rs28391623	A	G	-0.635	0.022	0.403	1.58E-175	-0.004	0.007	0.579	0.177	797.420	TRUE	3.17E-163
Overall COPD	AIFM2	cg25502086	rs34931480	T	C	-0.179	0.027	0.237	6.98E-11	-0.004	0.008	0.589	0.011	42.503	TRUE	1.03E-10
Overall COPD	AIFM2	cg25502086	rs6480451	A	G	0.269	0.045	0.075	2.63E-09	-0.014	0.013	0.273	0.009	35.418	TRUE	4.48E-09
Overall COPD	AIFM2	cg25502086	rs7897538	A	C	-0.200	0.033	0.147	1.31E-09	-0.008	0.009	0.418	0.010	36.779	TRUE	2.04E-09
Overall COPD	AIFM2	cg26699283	rs12253314	T	A	0.178	0.025	0.340	3.66E-13	0.014	0.007	0.069	0.014	52.787	TRUE	1.03E-12
Overall COPD	AIFM2	cg26699283	rs3750779	T	C	-0.190	0.026	0.263	4.16E-13	-0.006	0.008	0.440	0.014	52.537	TRUE	7.42E-13
Overall COPD	AIFM2	cg26699283	rs4746965	C	T	-0.643	0.023	0.391	1.46E-173	-0.002	0.007	0.743	0.176	788.382	TRUE	1.14E-161
Overall COPD	AIFM2	cg26699283	rs6480431	G	A	-0.173	0.030	0.185	7.55E-09	0.015	0.009	0.104	0.009	33.370	TRUE	1.51E-08
Overall COPD	AIFM2	cg26699283	rs7074416	G	A	-0.189	0.023	0.450	7.74E-16	-0.004	0.007	0.561	0.017	64.899	TRUE	1.43E-15
Overall COPD	AIFM2	cg26699283	rs71480649	T	C	-0.439	0.064	0.034	8.02E-12	0.010	0.017	0.577	0.012	46.736	TRUE	1.24E-11
Overall COPD	AIFM2	cg26699283	rs7897538	A	C	-0.185	0.033	0.147	2.33E-08	-0.008	0.009	0.418	0.008	31.181	TRUE	3.44E-08
Overall COPD	AIRE	cg03146797	rs12482028	C	T	-0.183	0.027	0.227	1.84E-11	-0.005	0.009	0.579	0.012	45.113	TRUE	2.79E-11
Overall COPD	AIRE	cg08089567	rs2838534	C	T	-0.256	0.042	0.083	1.10E-09	0.010	0.012	0.429	0.010	37.113	TRUE	1.71E-09
Overall COPD	AIRE	cg09510531	rs12482412	C	T	0.146	0.024	0.401	1.45E-09	-0.006	0.010	0.534	0.010	36.586	TRUE	2.10E-09
Overall COPD	AIRE	cg09510531	rs2741985	C	T	-0.140	0.024	0.366	6.59E-09	-0.007	0.007	0.381	0.009	33.633	TRUE	1.02E-08
Overall COPD	AIRE	cg09510531	rs2776375	A	G	0.144	0.024	0.427	1.88E-09	-0.010	0.007	0.189	0.010	36.071	TRUE	3.49E-09
Overall COPD	AIRE	cg09510531	rs2838534	C	T	-0.287	0.042	0.083	7.13E-12	0.010	0.012	0.429	0.013	46.967	TRUE	1.21E-11
Overall COPD	AIRE	cg16501323	rs12482412	C	T	0.147	0.024	0.401	1.28E-09	-0.006	0.010	0.534	0.010	36.830	TRUE	1.85E-09
Overall COPD	AIRE	cg16501323	rs2776375	A	G	0.141	0.024	0.427	3.88E-09	-0.010	0.007	0.189	0.009	34.662	TRUE	7.08E-09
Overall COPD	AIRE	cg16501323	rs2838534	C	T	-0.303	0.042	0.083	4.63E-13	0.010	0.012	0.429	0.014	52.329	TRUE	8.30E-13

Overall COPD	AIRE	cg16717549	rs2838534	C	T	-0.292	0.042	0.083	3.25E-12	0.010	0.012	0.429	0.013	48.504	TRUE	5.62E-12
Overall COPD	AIRE	cg16717549	rs762420	A	G	-0.211	0.039	0.102	4.71E-08	0.009	0.012	0.467	0.008	29.818	TRUE	6.68E-08
Overall COPD	AIRE	cg17356252	rs2838534	C	T	-0.250	0.042	0.083	2.65E-09	0.010	0.012	0.429	0.009	35.410	TRUE	4.03E-09
Overall COPD	AIRE	cg18689454	rs2838534	C	T	-0.309	0.042	0.083	1.68E-13	0.010	0.012	0.429	0.014	54.324	TRUE	3.06E-13
Overall COPD	AIRE	cg27251412	rs12482412	C	T	0.145	0.024	0.401	1.98E-09	-0.006	0.010	0.534	0.010	35.976	TRUE	2.85E-09
Overall COPD	AIRE	cg27251412	rs2838534	C	T	-0.283	0.042	0.083	1.55E-11	0.010	0.012	0.429	0.012	45.444	TRUE	2.60E-11
Overall COPD	AKR1C2	cg00863716	rs10904387	T	C	-0.199	0.026	0.284	3.85E-14	-0.015	0.007	0.041	0.015	57.215	TRUE	1.28E-13
Overall COPD	AKR1C2	cg00863716	rs11252932	G	A	0.182	0.029	0.211	2.35E-10	-0.006	0.009	0.472	0.011	40.132	TRUE	3.64E-10
Overall COPD	AKR1C2	cg04683516	rs10508291	G	A	-0.251	0.042	0.084	3.10E-09	0.002	0.012	0.848	0.009	35.100	TRUE	3.80E-09
Overall COPD	AKR1C2	cg04683516	rs10795212	C	A	0.188	0.024	0.352	1.23E-14	0.008	0.007	0.300	0.016	59.456	TRUE	2.66E-14
Overall COPD	AKR1C2	cg04683516	rs10904387	T	C	-0.661	0.025	0.284	3.38E-150	-0.015	0.007	0.041	0.155	680.997	TRUE	5.84E-140
Overall COPD	AKR1C2	cg04683516	rs11252830	T	G	0.592	0.070	0.057	2.65E-17	0.002	0.016	0.918	0.019	71.551	TRUE	4.12E-17
Overall COPD	AKR1C2	cg04683516	rs11252840	T	C	-0.216	0.036	0.105	2.99E-09	-0.012	0.012	0.294	0.009	35.169	TRUE	5.00E-09
Overall COPD	AKR1C2	cg04683516	rs11252850	C	A	-0.360	0.042	0.085	2.34E-17	-0.008	0.011	0.450	0.019	71.798	TRUE	5.07E-17
Overall COPD	AKR1C2	cg04683516	rs2961610	T	G	-0.133	0.024	0.465	1.80E-08	0.000	0.007	0.999	0.008	31.681	TRUE	2.03E-08
Overall COPD	AKR1C2	cg04683516	rs2961619	T	C	0.215	0.034	0.132	2.14E-10	-0.015	0.011	0.185	0.011	40.308	TRUE	4.20E-10
Overall COPD	AKR1C2	cg04683516	rs3885233	A	G	0.730	0.028	0.201	2.46E-150	-0.005	0.008	0.569	0.156	681.630	TRUE	4.78E-141
Overall COPD	AKR1C2	cg04683516	rs4303139	T	G	0.178	0.031	0.172	8.83E-09	0.011	0.009	0.217	0.009	33.066	TRUE	1.54E-08
Overall COPD	AKR1C2	cg04683516	rs4448588	A	T	0.426	0.024	0.369	4.39E-71	0.008	0.007	0.280	0.079	317.619	TRUE	2.09E-68
Overall COPD	AKR1C2	cg04683516	rs4634990	A	G	-0.364	0.030	0.189	4.69E-33	0.001	0.009	0.955	0.037	143.369	TRUE	1.66E-32
Overall COPD	AKR1C2	cg04683516	rs7073738	A	G	-0.504	0.030	0.169	7.39E-63	0.010	0.010	0.297	0.070	279.882	TRUE	1.13E-60
Overall COPD	AKR1C2	cg04683516	rs72549130	G	A	0.580	0.040	0.097	7.46E-47	0.005	0.011	0.650	0.053	206.521	TRUE	1.11E-45
Overall COPD	AKR1C2	cg04683516	rs72769943	T	C	0.466	0.068	0.056	7.65E-12	0.008	0.013	0.513	0.013	46.829	TRUE	1.23E-11
Overall COPD	AKR1C2	cg04683516	rs72774010	G	A	-0.319	0.047	0.065	7.03E-12	0.008	0.014	0.542	0.013	46.994	TRUE	1.11E-11
Overall COPD	AKR1C2	cg10158681	rs11252850	C	A	-0.322	0.042	0.085	3.41E-14	-0.008	0.011	0.450	0.015	57.453	TRUE	6.34E-14
Overall COPD	AKR1C2	cg10158681	rs143989677	C	T	-0.251	0.036	0.119	3.20E-12	-0.009	0.011	0.402	0.013	48.538	TRUE	5.63E-12
Overall COPD	AKR1C2	cg10158681	rs1781932	G	A	0.172	0.027	0.253	2.71E-10	0.006	0.008	0.408	0.011	39.851	TRUE	4.37E-10
Overall COPD	AKR1C2	cg18841653	rs11252850	C	A	0.361	0.042	0.085	1.75E-17	-0.008	0.011	0.450	0.019	72.368	TRUE	3.82E-17
Overall COPD	AKR1C2	cg18841653	rs11252866	T	C	0.291	0.043	0.081	2.39E-11	-0.006	0.013	0.662	0.012	44.597	TRUE	3.45E-11
Overall COPD	AKR1C2	cg18841653	rs112734695	G	T	-0.516	0.090	0.019	1.01E-08	-0.020	0.022	0.368	0.009	32.802	TRUE	1.56E-08
Overall COPD	AKR1C2	cg18841653	rs11817141	C	T	-0.466	0.041	0.089	4.80E-30	0.031	0.014	0.024	0.034	129.616	TRUE	6.16E-29
Overall COPD	AKR1C2	cg18841653	rs150857516	A	G	0.280	0.034	0.146	1.15E-16	0.000	0.010	0.967	0.018	68.663	TRUE	1.68E-16
Overall COPD	AKR1C2	cg18841653	rs2397987	G	A	-0.392	0.025	0.284	4.64E-54	0.004	0.007	0.546	0.061	239.541	TRUE	1.65E-52
Overall COPD	AKR1C2	cg18841653	rs2924275	G	T	0.219	0.034	0.132	1.78E-10	-0.012	0.010	0.213	0.011	40.674	TRUE	3.39E-10
Overall COPD	AKR1C2	cg18841653	rs2924286	C	T	-0.166	0.024	0.426	4.12E-12	-0.003	0.007	0.630	0.013	48.040	TRUE	6.23E-12
Overall COPD	AKR1C2	cg18841653	rs4500389	C	T	-0.322	0.024	0.375	6.62E-41	0.016	0.007	0.022	0.046	179.282	TRUE	2.45E-39
Overall COPD	AKR1C2	cg18841653	rs71477874	C	G	-0.704	0.093	0.014	2.93E-14	-0.015	0.036	0.665	0.015	57.747	TRUE	4.72E-14
Overall COPD	AKR1C2	cg18841653	rs7908994	T	C	-0.831	0.034	0.117	2.96E-129	0.008	0.010	0.437	0.137	584.751	TRUE	4.61E-122
Overall COPD	AKR1C2	cg19328485	rs10904387	T	C	-0.175	0.026	0.284	3.72E-11	-0.015	0.007	0.041	0.012	43.734	TRUE	1.01E-10
Overall COPD	AKR1C2	cg19328485	rs4641368	T	C	-0.501	0.032	0.153	6.07E-54	0.005	0.009	0.602	0.061	239.006	TRUE	1.98E-52
Overall COPD	AKR1C2	cg19328485	rs77331455	G	C	0.300	0.043	0.084	4.87E-12	0.005	0.012	0.684	0.013	47.713	TRUE	7.11E-12
Overall COPD	AKR1C2	cg19328485	rs7894134	T	G	0.242	0.023	0.451	3.85E-25	0.014	0.007	0.055	0.028	107.229	TRUE	2.64E-24

Overall COPD	AKR1C2	cg22074467	rs2961613	T	A	-0.248	0.043	0.084	7.40E-09	-0.009	0.011	0.401	0.009	33.408	TRUE	1.13E-08
Overall COPD	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	-0.012	0.007	0.114	0.012	43.544	TRUE	9.22E-11
Overall COPD	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	0.010	0.015	0.501	0.041	156.423	TRUE	4.48E-35
Overall COPD	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	0.021	0.012	0.095	0.031	119.299	TRUE	6.28E-27
Overall COPD	AKT1	cg01921845	rs2494733	G	C	-0.756	0.023	0.321	6.44E-232	0.016	0.007	0.035	0.222	1056.685	TRUE	2.99E-210
Overall COPD	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	0.004	0.013	0.786	0.012	43.327	TRUE	6.12E-11
Overall COPD	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	-0.015	0.009	0.084	0.037	141.017	TRUE	1.70E-31
Overall COPD	AKT1	cg02072813	rs45490496	A	T	0.144	0.024	0.400	3.21E-09	-0.002	0.007	0.794	0.009	35.034	TRUE	4.03E-09
Overall COPD	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	0.009	0.009	0.271	0.016	58.597	TRUE	4.20E-14
Overall COPD	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	0.017	0.018	0.360	0.010	38.610	TRUE	8.43E-10
Overall COPD	AKT1	cg02884928	rs117082627	A	G	-0.793	0.119	0.011	3.21E-11	-0.025	0.050	0.616	0.012	44.020	TRUE	4.73E-11
Overall COPD	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	-0.015	0.024	0.530	0.019	70.217	TRUE	1.04E-16
Overall COPD	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	0.024	0.013	0.058	0.152	661.492	TRUE	2.70E-136
Overall COPD	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	-0.011	0.008	0.142	0.070	276.632	TRUE	7.97E-60
Overall COPD	AKT1	cg04820159	rs36214921	C	G	0.272	0.026	0.300	4.70E-26	-0.011	0.008	0.169	0.029	111.396	TRUE	2.47E-25
Overall COPD	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	-0.011	0.007	0.146	0.023	88.465	TRUE	1.97E-20
Overall COPD	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	-0.002	0.007	0.749	0.012	45.134	TRUE	2.51E-11
Overall COPD	AKT1	cg12100463	rs61758556	T	A	-0.246	0.036	0.142	8.26E-12	-0.007	0.009	0.446	0.012	46.677	TRUE	1.39E-11
Overall COPD	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	0.022	0.012	0.072	0.010	36.908	TRUE	2.74E-09
Overall COPD	AKT1	cg12789068	rs118174518	C	G	-2.123	0.108	0.012	2.02E-86	-0.011	0.034	0.755	0.095	388.011	TRUE	4.14E-83
Overall COPD	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	0.019	0.011	0.088	0.009	33.914	TRUE	1.18E-08
Overall COPD	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	0.013	0.010	0.177	0.008	31.381	TRUE	3.73E-08
Overall COPD	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	-0.015	0.011	0.171	0.015	57.467	TRUE	8.31E-14
Overall COPD	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	-0.003	0.013	0.817	0.013	48.421	TRUE	4.63E-12
Overall COPD	AKT1	cg13986355	rs2498786	C	G	0.147	0.024	0.392	1.13E-09	-0.002	0.007	0.822	0.010	37.063	TRUE	1.42E-09
Overall COPD	AKT1	cg14184729	rs35455320	G	C	-0.216	0.036	0.117	1.90E-09	-0.012	0.010	0.243	0.010	36.055	TRUE	3.34E-09
Overall COPD	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	0.014	0.007	0.060	0.046	176.802	TRUE	5.87E-39
Overall COPD	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	0.017	0.018	0.360	0.009	34.600	TRUE	6.34E-09
Overall COPD	AKT1	cg14274357	rs117082627	A	G	-0.809	0.119	0.011	1.30E-11	-0.025	0.050	0.616	0.012	45.786	TRUE	1.95E-11
Overall COPD	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	-0.015	0.024	0.530	0.022	81.931	TRUE	3.13E-19
Overall COPD	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	0.027	0.013	0.047	0.172	768.220	TRUE	1.10E-156
Overall COPD	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.012	0.011	0.271	0.008	30.293	TRUE	5.94E-08
Overall COPD	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	-0.011	0.008	0.142	0.072	285.448	TRUE	1.23E-61
Overall COPD	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	0.012	0.008	0.133	0.011	41.425	TRUE	2.57E-10
Overall COPD	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	-0.002	0.007	0.777	0.101	413.893	TRUE	2.33E-88
Overall COPD	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	-0.015	0.009	0.084	0.008	30.375	TRUE	7.03E-08
Overall COPD	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	0.012	0.007	0.106	0.014	52.272	TRUE	1.22E-12
Overall COPD	AKT1	cg18426060	rs45490496	A	T	-0.392	0.024	0.400	9.67E-61	-0.002	0.007	0.794	0.068	270.173	TRUE	5.32E-59
Overall COPD	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	-0.002	0.007	0.777	0.016	61.080	TRUE	8.34E-15
Overall COPD	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	-0.015	0.009	0.084	0.021	80.776	TRUE	9.99E-19
Overall COPD	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	0.012	0.009	0.173	0.020	75.339	TRUE	1.20E-17
Overall COPD	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	0.010	0.008	0.216	0.118	494.977	TRUE	4.44E-104

Overall COPD	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	-0.012	0.007	0.105	0.010	37.335	TRUE	2.07E-09
Overall COPD	AKT1	cg23176538	rs3803304	G	C	0.517	0.026	0.254	4.32E-87	0.017	0.008	0.028	0.096	391.088	TRUE	8.59E-83
Overall COPD	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	0.003	0.007	0.669	0.015	55.388	TRUE	1.53E-13
Overall COPD	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	-0.011	0.010	0.292	0.012	44.314	TRUE	5.09E-11
Overall COPD	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	0.019	0.011	0.077	0.010	35.929	TRUE	4.41E-09
Overall COPD	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	-0.001	0.007	0.875	0.050	194.325	TRUE	3.13E-43
Overall COPD	AKT1	cg26023960	rs71421880	A	T	-0.776	0.036	0.106	5.60E-105	-0.011	0.011	0.291	0.113	473.227	TRUE	7.51E-100
Overall COPD	AKT1	cg26099837	rs45490496	A	T	0.139	0.024	0.400	5.85E-09	-0.002	0.007	0.794	0.009	33.867	TRUE	7.29E-09
Overall COPD	ALDH16A1	cg15388895	rs12975598	A	G	0.230	0.023	0.413	1.01E-22	-0.003	0.007	0.710	0.025	96.209	TRUE	2.34E-22
Overall COPD	AP4E1	cg02338191	rs10519289	T	C	0.279	0.028	0.210	6.36E-24	0.006	0.008	0.511	0.027	101.675	TRUE	1.87E-23
Overall COPD	AP4E1	cg05389038	rs12442028	C	T	0.315	0.040	0.093	3.37E-15	-0.009	0.012	0.439	0.016	62.007	TRUE	6.62E-15
Overall COPD	AP4E1	cg05389038	rs12708423	G	A	-0.431	0.069	0.027	4.03E-10	0.022	0.020	0.258	0.010	39.079	TRUE	7.22E-10
Overall COPD	AP4E1	cg05389038	rs142069683	T	A	0.468	0.033	0.146	4.18E-45	-0.017	0.010	0.096	0.051	198.514	TRUE	1.44E-43
Overall COPD	AP4E1	cg05389038	rs146676154	C	T	-0.402	0.068	0.029	2.98E-09	0.009	0.018	0.600	0.009	35.180	TRUE	4.12E-09
Overall COPD	AP4E1	cg05389038	rs149451788	C	T	0.383	0.057	0.045	2.22E-11	0.004	0.019	0.819	0.012	44.740	TRUE	2.95E-11
Overall COPD	AP4E1	cg05389038	rs150018499	A	T	0.574	0.096	0.015	2.47E-09	-0.039	0.028	0.156	0.010	35.545	TRUE	4.72E-09
Overall COPD	AP4E1	cg05389038	rs17599340	C	T	0.356	0.029	0.203	5.61E-34	-0.010	0.009	0.261	0.038	147.588	TRUE	4.56E-33
Overall COPD	AP4E1	cg05389038	rs17599663	C	G	-0.538	0.065	0.030	8.30E-17	-0.024	0.019	0.206	0.018	69.300	TRUE	2.25E-16
Overall COPD	AP4E1	cg05389038	rs2445749	T	C	-0.170	0.026	0.313	3.92E-11	0.009	0.007	0.191	0.012	43.630	TRUE	7.93E-11
Overall COPD	AP4E1	cg05389038	rs28621809	T	C	-0.805	0.020	0.431	<1E-200	0.014	0.008	0.097	0.304	1612.059	TRUE	<1E-200
Overall COPD	AP4E1	cg05389038	rs28757162	A	G	-0.349	0.040	0.095	1.10E-18	-0.004	0.012	0.725	0.021	77.822	TRUE	2.07E-18
Overall COPD	AP4E1	cg05389038	rs55946545	C	T	0.278	0.050	0.060	3.72E-08	0.010	0.016	0.553	0.008	30.271	TRUE	5.07E-08
Overall COPD	AP4E1	cg05389038	rs56396299	T	G	-0.323	0.031	0.176	3.17E-25	0.024	0.009	0.009	0.028	107.615	TRUE	3.34E-24
Overall COPD	AP4E1	cg05389038	rs59415822	C	T	-0.190	0.024	0.403	1.01E-15	0.010	0.007	0.135	0.017	64.382	TRUE	2.86E-15
Overall COPD	AP4E1	cg05389038	rs62018844	G	A	0.454	0.051	0.058	6.58E-19	0.025	0.016	0.112	0.021	78.844	TRUE	2.40E-18
Overall COPD	AP4E1	cg05389038	rs648381	C	T	0.406	0.036	0.115	3.39E-29	0.002	0.010	0.843	0.033	125.740	TRUE	1.03E-28
Overall COPD	AP4E1	cg05389038	rs72727118	T	A	-0.443	0.076	0.024	5.29E-09	-0.015	0.020	0.458	0.009	34.060	TRUE	7.84E-09
Overall COPD	AP4E1	cg05389038	rs78196407	G	T	-0.385	0.053	0.058	2.35E-13	-0.015	0.018	0.411	0.014	53.658	TRUE	4.33E-13
Overall COPD	AP4E1	cg05389038	rs78376852	G	A	0.187	0.032	0.148	6.56E-09	-0.006	0.009	0.541	0.009	33.642	TRUE	9.25E-09
Overall COPD	AP4E1	cg05389038	rs79469565	T	C	-0.278	0.050	0.105	3.20E-08	-0.003	0.014	0.819	0.008	30.569	TRUE	3.86E-08
Overall COPD	AP4E1	cg05389038	rs882299	G	A	-0.488	0.050	0.059	1.03E-22	0.007	0.014	0.624	0.025	96.166	TRUE	2.56E-22
Overall COPD	AP4E1	cg05389038	rs9972359	C	T	-0.216	0.024	0.417	1.54E-19	0.006	0.007	0.389	0.022	81.705	TRUE	3.97E-19
Overall COPD	AP4E1	cg09951650	rs10775143	C	T	-0.135	0.023	0.425	7.71E-09	-0.010	0.007	0.186	0.009	33.329	TRUE	1.39E-08
Overall COPD	AP4E1	cg09951650	rs111775104	T	A	0.485	0.086	0.047	1.72E-08	0.015	0.025	0.557	0.009	31.771	TRUE	2.37E-08
Overall COPD	AP4E1	cg09951650	rs11857513	A	G	0.398	0.070	0.026	1.16E-08	0.019	0.019	0.322	0.009	32.528	TRUE	1.85E-08
Overall COPD	AP4E1	cg09951650	rs6493470	A	G	0.384	0.028	0.210	4.08E-44	0.006	0.008	0.505	0.050	193.980	TRUE	5.63E-43
Overall COPD	AP4E1	cg21246271	rs12595627	T	C	0.138	0.024	0.343	1.08E-08	0.002	0.007	0.744	0.009	32.672	TRUE	1.37E-08
Overall COPD	AP4E1	cg21246271	rs2614793	A	G	-0.282	0.027	0.234	7.92E-26	0.010	0.009	0.242	0.029	110.362	TRUE	3.60E-25
Overall COPD	AP4S1	cg15911493	rs61976849	C	T	0.197	0.026	0.286	1.17E-14	0.021	0.007	0.003	0.016	59.558	TRUE	6.13E-14
Overall COPD	ARSB	cg01026730	rs10040592	G	A	0.473	0.041	0.088	2.63E-30	-0.011	0.012	0.389	0.034	130.807	TRUE	1.35E-29
Overall COPD	ARSB	cg01026730	rs11747224	T	C	0.313	0.056	0.094	2.71E-08	0.013	0.014	0.329	0.008	30.886	TRUE	4.22E-08
Overall COPD	ARSB	cg01026730	rs12187584	C	A	-0.294	0.024	0.442	1.07E-35	-0.008	0.007	0.226	0.040	155.442	TRUE	1.07E-34

Overall COPD	ARSB	cg01026730	rs12655680	G	A	-0.233	0.024	0.464	1.18E-22	-0.016	0.007	0.018	0.025	95.897	TRUE	8.70E-22
Overall COPD	ARSB	cg01026730	rs163216	A	G	-0.763	0.021	0.446	1.18E-301	-0.006	0.007	0.348	0.271	1377.400	TRUE	1.90E-268
Overall COPD	ARSB	cg01026730	rs337847	G	A	0.348	0.041	0.085	9.33E-18	0.015	0.012	0.194	0.020	73.609	TRUE	2.72E-17
Overall COPD	ARSB	cg01026730	rs612855	A	G	0.175	0.025	0.339	1.70E-12	0.006	0.007	0.400	0.013	49.774	TRUE	3.04E-12
Overall COPD	ARSB	cg01026730	rs62377898	A	G	-0.240	0.030	0.178	1.48E-15	0.020	0.009	0.022	0.017	63.627	TRUE	6.08E-15
Overall COPD	ARSB	cg01026730	rs72762973	C	T	0.456	0.048	0.069	3.27E-21	-0.001	0.013	0.927	0.024	89.326	TRUE	5.99E-21
Overall COPD	ARSB	cg01026730	rs75706611	C	G	0.335	0.053	0.052	2.37E-10	0.016	0.016	0.328	0.011	40.117	TRUE	4.05E-10
Overall COPD	ARSB	cg01026730	rs76684389	T	C	0.334	0.047	0.065	1.50E-12	-0.012	0.014	0.374	0.013	50.022	TRUE	2.74E-12
Overall COPD	ARSB	cg01026730	rs80162951	T	C	-0.517	0.062	0.041	5.89E-17	0.007	0.015	0.618	0.019	69.975	TRUE	1.10E-16
Overall COPD	ARSB	cg04677158	rs10462560	C	G	-0.320	0.024	0.370	3.65E-41	0.014	0.007	0.048	0.047	180.466	TRUE	1.08E-39
Overall COPD	ARSB	cg04677158	rs10514108	T	C	0.225	0.038	0.111	2.68E-09	0.016	0.011	0.151	0.009	35.385	TRUE	5.15E-09
Overall COPD	ARSB	cg04677158	rs11741305	A	G	0.177	0.029	0.212	1.12E-09	-0.023	0.008	0.005	0.010	37.089	TRUE	3.62E-09
Overall COPD	ARSB	cg04677158	rs13190257	T	C	0.161	0.027	0.279	1.25E-09	0.007	0.008	0.414	0.010	36.871	TRUE	1.95E-09
Overall COPD	ARSB	cg04677158	rs1402684	T	G	0.407	0.026	0.276	3.69E-55	0.000	0.008	0.972	0.062	244.581	TRUE	8.80E-54
Overall COPD	ARSB	cg04677158	rs16876619	T	C	0.166	0.025	0.313	2.10E-11	0.016	0.007	0.026	0.012	44.852	TRUE	6.21E-11
Overall COPD	ARSB	cg04677158	rs3733890	A	G	-0.425	0.025	0.307	1.14E-63	0.003	0.008	0.723	0.071	283.611	TRUE	9.75E-62
Overall COPD	ARSB	cg04677158	rs4279321	G	A	0.248	0.039	0.093	2.45E-10	-0.007	0.011	0.543	0.011	40.048	TRUE	3.64E-10
Overall COPD	ARSB	cg04677158	rs4571454	T	C	-0.180	0.025	0.319	5.65E-13	0.014	0.007	0.056	0.014	51.938	TRUE	1.63E-12
Overall COPD	ARSB	cg04677158	rs485142	G	A	-0.356	0.023	0.431	5.44E-52	-0.005	0.007	0.414	0.059	230.057	TRUE	1.88E-50
Overall COPD	ARSB	cg04677158	rs532442795	G	C	-0.717	0.112	0.011	1.26E-10	-0.068	0.040	0.091	0.011	41.354	TRUE	2.87E-10
Overall COPD	ARSB	cg04677158	rs62377897	T	C	-1.029	0.026	0.175	<1E-200	0.017	0.009	0.054	0.303	1609.549	TRUE	2.03E-307
Overall COPD	ARSB	cg04677158	rs72762996	T	C	0.343	0.041	0.096	2.48E-17	0.001	0.011	0.936	0.019	71.683	TRUE	3.81E-17
Overall COPD	ARSB	cg04677158	rs9637824	G	A	-0.296	0.024	0.364	1.21E-34	0.008	0.007	0.249	0.039	150.641	TRUE	1.06E-33
Overall COPD	ARSB	cg07379703	rs1717570	G	A	0.139	0.024	0.419	5.16E-09	-0.014	0.007	0.039	0.009	34.110	TRUE	1.22E-08
Overall COPD	ARSB	cg08393937	rs10474577	A	G	0.387	0.025	0.308	6.43E-53	0.003	0.008	0.672	0.060	234.309	TRUE	1.72E-51
Overall COPD	ARSB	cg08393937	rs112001390	G	A	0.489	0.086	0.036	1.46E-08	0.022	0.020	0.275	0.009	32.086	TRUE	2.40E-08
Overall COPD	ARSB	cg08393937	rs12187584	C	A	-0.206	0.024	0.442	4.01E-18	-0.008	0.007	0.226	0.020	75.278	TRUE	1.14E-17
Overall COPD	ARSB	cg08393937	rs1402684	T	G	-0.439	0.026	0.276	2.61E-64	0.000	0.008	0.972	0.072	286.539	TRUE	1.76E-62
Overall COPD	ARSB	cg08393937	rs16876619	T	C	-0.172	0.025	0.313	4.47E-12	0.016	0.007	0.026	0.013	47.882	TRUE	1.39E-11
Overall COPD	ARSB	cg08393937	rs2445887	A	G	0.302	0.024	0.442	2.65E-37	-0.002	0.007	0.807	0.042	162.799	TRUE	1.47E-36
Overall COPD	ARSB	cg08393937	rs2547906	G	A	0.397	0.023	0.421	1.08E-64	-0.009	0.008	0.264	0.072	288.306	TRUE	2.24E-62
Overall COPD	ARSB	cg08393937	rs28376183	C	T	-0.268	0.024	0.464	1.50E-29	-0.018	0.007	0.016	0.033	127.356	TRUE	2.02E-28
Overall COPD	ARSB	cg08393937	rs336520	T	C	-0.300	0.038	0.108	3.13E-15	0.007	0.012	0.561	0.017	62.149	TRUE	5.63E-15
Overall COPD	ARSB	cg08393937	rs3857405	A	G	0.292	0.033	0.348	1.82E-18	0.010	0.007	0.160	0.020	76.831	TRUE	5.87E-18
Overall COPD	ARSB	cg08393937	rs4279321	G	A	-0.292	0.039	0.093	8.99E-14	-0.007	0.011	0.543	0.015	55.547	TRUE	1.53E-13
Overall COPD	ARSB	cg08393937	rs532442795	G	C	0.727	0.111	0.011	6.90E-11	-0.068	0.040	0.091	0.011	42.526	TRUE	1.60E-10
Overall COPD	ARSB	cg08393937	rs62377937	G	A	0.831	0.051	0.049	1.81E-59	0.004	0.017	0.787	0.067	264.334	TRUE	8.69E-58
Overall COPD	ARSB	cg08393937	rs72762996	T	C	-0.318	0.041	0.096	4.80E-15	0.001	0.011	0.936	0.016	61.309	TRUE	6.76E-15
Overall COPD	ARSB	cg08393937	rs74772620	T	C	1.087	0.026	0.176	<1E-200	0.020	0.010	0.057	0.329	1812.107	TRUE	<1E-200
Overall COPD	ARSB	cg10864794	rs11747224	T	C	0.365	0.056	0.094	8.77E-11	0.013	0.014	0.329	0.011	42.055	TRUE	1.53E-10
Overall COPD	ARSB	cg10864794	rs13154740	C	T	0.301	0.026	0.280	1.79E-30	-0.023	0.007	0.002	0.034	131.576	TRUE	4.03E-29
Overall COPD	ARSB	cg10864794	rs1402684	T	G	0.149	0.026	0.276	1.55E-08	0.000	0.008	0.972	0.009	31.975	TRUE	1.76E-08

Overall COPD	ARSB	cg10864794	rs17221292	A	G	0.592	0.098	0.014	1.54E-09	-0.019	0.028	0.490	0.010	36.463	TRUE	2.29E-09
Overall COPD	ARSB	cg10864794	rs56307340	A	G	-0.684	0.030	0.166	8.49E-113	0.022	0.009	0.015	0.121	509.143	TRUE	3.28E-106
Overall COPD	ARSB	cg10864794	rs62377935	A	T	-0.207	0.029	0.193	1.53E-12	0.004	0.008	0.626	0.013	49.985	TRUE	2.35E-12
Overall COPD	ARSB	cg10864794	rs9632424	C	T	0.262	0.032	0.177	1.46E-16	-0.005	0.009	0.587	0.018	68.188	TRUE	2.73E-16
Overall COPD	ARSB	cg11541897	rs10462560	C	G	0.200	0.024	0.370	9.50E-17	0.014	0.007	0.048	0.018	69.032	TRUE	3.65E-16
Overall COPD	ARSB	cg11541897	rs10474577	A	G	0.255	0.026	0.308	1.64E-23	0.003	0.008	0.672	0.026	99.797	TRUE	4.11E-23
Overall COPD	ARSB	cg11541897	rs11746854	G	A	-0.178	0.029	0.204	1.15E-09	-0.023	0.008	0.005	0.010	37.037	TRUE	3.71E-09
Overall COPD	ARSB	cg11541897	rs1402684	T	G	-0.197	0.026	0.276	6.62E-14	0.000	0.008	0.972	0.015	56.148	TRUE	8.78E-14
Overall COPD	ARSB	cg11541897	rs163126	T	C	0.732	0.029	0.179	7.64E-140	0.011	0.009	0.197	0.146	633.409	TRUE	3.06E-131
Overall COPD	ARSB	cg11541897	rs337871	C	T	0.234	0.024	0.431	3.71E-23	-0.006	0.008	0.450	0.026	98.185	TRUE	1.11E-22
Overall COPD	ARSB	cg11541897	rs569634929	C	T	0.223	0.024	0.378	3.15E-20	0.023	0.007	0.001	0.022	84.846	TRUE	3.08E-19
Overall COPD	ARSB	cg11541897	rs72762996	T	C	-0.254	0.041	0.096	3.74E-10	0.001	0.011	0.936	0.010	39.225	TRUE	4.51E-10
Overall COPD	ARSB	cg11541897	rs9637824	G	A	0.269	0.024	0.364	8.89E-29	0.008	0.007	0.249	0.032	123.826	TRUE	4.93E-28
Overall COPD	ARSB	cg11837534	rs337853	G	A	0.159	0.023	0.398	1.00E-11	0.015	0.007	0.038	0.012	46.300	TRUE	2.85E-11
Overall COPD	ARSB	cg13121490	rs4512118	C	G	0.168	0.031	0.177	4.47E-08	0.003	0.009	0.717	0.008	29.917	TRUE	5.63E-08
Overall COPD	ARSB	cg15712777	rs10042060	C	T	-0.152	0.025	0.342	1.60E-09	0.004	0.007	0.600	0.010	36.383	TRUE	2.24E-09
Overall COPD	ARSB	cg15712777	rs113601316	T	G	0.289	0.031	0.168	1.17E-20	0.026	0.009	0.004	0.023	86.813	TRUE	9.82E-20
Overall COPD	ARSB	cg15712777	rs478651	T	C	0.130	0.024	0.470	3.61E-08	0.011	0.007	0.133	0.008	30.332	TRUE	6.66E-08
Overall COPD	ARSB	cg17845680	rs10462560	C	G	0.215	0.024	0.370	3.64E-19	0.014	0.007	0.048	0.021	80.014	TRUE	1.65E-18
Overall COPD	ARSB	cg17845680	rs1402684	T	G	-0.201	0.026	0.276	1.97E-14	0.000	0.008	0.972	0.016	58.527	TRUE	2.67E-14
Overall COPD	ARSB	cg17845680	rs163126	T	C	0.779	0.029	0.179	4.59E-161	0.011	0.009	0.197	0.165	730.940	TRUE	4.77E-150
Overall COPD	ARSB	cg17845680	rs337871	C	T	0.229	0.024	0.431	4.29E-22	-0.006	0.008	0.450	0.025	93.340	TRUE	1.20E-21
Overall COPD	ARSB	cg17845680	rs3733890	A	G	0.281	0.025	0.307	2.64E-28	0.003	0.008	0.723	0.032	121.665	TRUE	8.42E-28
Overall COPD	ARSB	cg17845680	rs532442795	G	C	0.614	0.112	0.011	3.64E-08	-0.068	0.040	0.091	0.008	30.316	TRUE	7.15E-08
Overall COPD	ARSB	cg17845680	rs569634929	C	T	0.234	0.024	0.378	3.82E-22	0.023	0.007	0.001	0.025	93.573	TRUE	4.44E-21
Overall COPD	ARSB	cg17845680	rs604315	T	G	0.254	0.024	0.352	2.21E-25	0.002	0.008	0.805	0.028	108.333	TRUE	5.50E-25
Overall COPD	ARSB	cg17845680	rs67523903	C	T	-0.163	0.029	0.203	2.75E-08	-0.023	0.008	0.005	0.008	30.860	TRUE	7.89E-08
Overall COPD	ARSB	cg17845680	rs72762996	T	C	-0.238	0.041	0.096	4.29E-09	0.001	0.011	0.936	0.009	34.470	TRUE	5.03E-09
Overall COPD	ARSB	cg23392359	rs117840267	C	G	-0.996	0.180	0.011	3.41E-08	0.025	0.030	0.410	0.008	30.440	TRUE	5.03E-08
Overall COPD	ARSB	cg23392359	rs4235713	T	C	-0.129	0.023	0.410	3.35E-08	0.014	0.007	0.048	0.008	30.476	TRUE	7.25E-08
Overall COPD	ARSB	cg23392359	rs6878926	A	G	-0.433	0.070	0.029	6.42E-10	0.039	0.024	0.097	0.010	38.170	TRUE	1.38E-09
Overall COPD	ARSB	cg23392359	rs7701438	T	G	-1.112	0.065	0.034	4.64E-65	0.004	0.019	0.840	0.073	289.983	TRUE	4.05E-63
Overall COPD	ARSB	cg24166916	rs113263870	C	A	-0.185	0.029	0.199	2.50E-10	-0.014	0.015	0.328	0.011	40.007	TRUE	4.28E-10
Overall COPD	ARSB	cg24166916	rs12187584	C	A	-0.262	0.024	0.442	1.47E-28	-0.008	0.007	0.226	0.032	122.826	TRUE	8.35E-28
Overall COPD	ARSB	cg24166916	rs163128	T	C	-0.221	0.037	0.114	2.47E-09	0.004	0.012	0.727	0.010	35.545	TRUE	3.21E-09
Overall COPD	ARSB	cg24166916	rs181622116	A	G	0.214	0.037	0.112	8.61E-09	0.006	0.010	0.578	0.009	33.113	TRUE	1.19E-08
Overall COPD	ARSB	cg24166916	rs1840804	C	T	0.190	0.025	0.319	2.98E-14	0.013	0.007	0.068	0.015	57.715	TRUE	9.04E-14
Overall COPD	ARSB	cg24166916	rs2445887	A	G	0.429	0.023	0.442	3.73E-75	-0.002	0.007	0.807	0.083	336.296	TRUE	1.30E-72
Overall COPD	ARSB	cg24166916	rs2547906	G	A	0.338	0.024	0.421	8.78E-47	-0.009	0.008	0.264	0.053	206.198	TRUE	2.28E-45
Overall COPD	ARSB	cg24166916	rs3733890	A	G	0.457	0.025	0.307	9.76E-74	0.003	0.008	0.723	0.082	329.791	TRUE	3.14E-71
Overall COPD	ARSB	cg24166916	rs3857405	A	G	0.273	0.033	0.348	2.75E-16	0.010	0.007	0.160	0.018	66.938	TRUE	7.76E-16
Overall COPD	ARSB	cg24166916	rs4324657	A	C	-0.258	0.046	0.067	2.40E-08	-0.013	0.015	0.376	0.008	31.121	TRUE	3.64E-08

Overall COPD	ARSB	cg24166916	rs532442795	G	C	1.048	0.111	0.011	3.97E-21	-0.068	0.040	0.091	0.023	88.942	TRUE	1.78E-20
Overall COPD	ARSB	cg24166916	rs62377937	G	A	0.970	0.051	0.049	1.78E-81	0.004	0.017	0.787	0.090	365.308	TRUE	1.61E-78
Overall COPD	ARSB	cg24166916	rs72762996	T	C	-0.300	0.041	0.096	1.25E-13	0.001	0.011	0.936	0.015	54.897	TRUE	1.68E-13
Overall COPD	ARSB	cg24166916	rs74772620	T	C	1.108	0.025	0.176	<1E-200	0.020	0.010	0.057	0.344	1943.952	TRUE	<1E-200
Overall COPD	ARSB	cg24166916	rs7705926	C	G	-0.352	0.026	0.287	6.96E-43	0.003	0.007	0.686	0.048	188.340	TRUE	6.92E-42
Overall COPD	ARSB	cg24893837	rs12187584	C	A	-0.170	0.024	0.442	8.57E-13	-0.008	0.007	0.226	0.014	51.119	TRUE	1.82E-12
Overall COPD	ARSB	cg24893837	rs1402684	T	G	-0.149	0.026	0.276	1.58E-08	0.000	0.008	0.972	0.009	31.934	TRUE	1.80E-08
Overall COPD	ARSB	cg24893837	rs485142	G	A	0.209	0.024	0.431	9.93E-19	-0.005	0.007	0.414	0.021	78.031	TRUE	2.39E-18
Overall COPD	ARSB	cg24893837	rs57444763	A	G	0.256	0.026	0.310	1.15E-23	0.003	0.008	0.715	0.026	100.495	TRUE	2.81E-23
Overall COPD	ARSB	cg24893837	rs575425	A	G	0.293	0.024	0.352	9.68E-34	0.007	0.007	0.294	0.038	146.503	TRUE	7.32E-33
Overall COPD	ARSB	cg24893837	rs57586329	C	T	0.754	0.029	0.170	2.99E-144	0.013	0.009	0.139	0.150	653.662	TRUE	4.75E-135
Overall COPD	ARSB	cg26470338	rs10040592	G	A	-0.254	0.042	0.088	1.04E-09	-0.011	0.012	0.389	0.010	37.228	TRUE	1.66E-09
Overall COPD	ARSB	cg26470338	rs10514152	T	C	-0.616	0.045	0.071	7.31E-43	0.024	0.014	0.086	0.048	188.243	TRUE	2.10E-41
Overall COPD	ARSB	cg26470338	rs112412427	T	C	-0.272	0.028	0.219	4.55E-22	0.010	0.009	0.278	0.025	93.225	TRUE	1.54E-21
Overall COPD	ARSB	cg26470338	rs2052549	T	C	-0.895	0.024	0.227	<1E-200	0.024	0.008	0.005	0.281	1446.534	TRUE	9.85E-279
Overall COPD	ARSB	cg26470338	rs2919650	A	C	-0.261	0.024	0.433	1.86E-28	-0.005	0.007	0.487	0.032	122.361	TRUE	7.48E-28
Overall COPD	ARSB	cg26470338	rs4279321	G	A	0.341	0.039	0.093	2.96E-18	-0.007	0.011	0.543	0.020	75.876	TRUE	6.22E-18
Overall COPD	ARSB	cg26470338	rs532442795	G	C	-0.743	0.111	0.011	2.61E-11	-0.068	0.040	0.091	0.012	44.422	TRUE	6.22E-11
Overall COPD	ARSB	cg26470338	rs584218	C	T	-0.387	0.023	0.470	1.81E-62	0.005	0.007	0.432	0.070	278.093	TRUE	2.05E-60
Overall COPD	ARSB	cg26470338	rs585800	T	A	0.261	0.026	0.287	2.86E-24	0.009	0.007	0.209	0.027	103.261	TRUE	1.23E-23
Overall COPD	ARSB	cg26470338	rs72762996	T	C	0.293	0.041	0.096	5.07E-13	0.001	0.011	0.936	0.014	52.151	TRUE	6.66E-13
Overall COPD	ARSB	cg26470338	rs7701438	T	G	-0.631	0.067	0.034	4.24E-21	0.004	0.019	0.840	0.023	88.809	TRUE	8.23E-21
Overall COPD	ARSB	cg27361227	rs62377505	A	C	0.213	0.029	0.206	1.25E-13	-0.027	0.008	8.14E-04	0.015	54.895	TRUE	7.09E-13
Overall COPD	ASAH1	cg04912297	rs11984918	A	T	0.303	0.055	0.059	4.74E-08	-0.024	0.014	0.090	0.008	29.806	TRUE	9.24E-08
Overall COPD	ASAH1	cg04912297	rs13260520	C	T	0.330	0.032	0.192	1.64E-25	-0.001	0.008	0.909	0.029	108.922	TRUE	3.79E-25
Overall COPD	ASAH1	cg04912297	rs137922664	C	T	1.027	0.108	0.010	1.82E-21	-0.001	0.030	0.967	0.024	90.481	TRUE	3.28E-21
Overall COPD	ASAH1	cg04912297	rs17593828	C	T	0.609	0.104	0.015	5.10E-09	-0.056	0.025	0.025	0.009	34.132	TRUE	1.28E-08
Overall COPD	ASAH1	cg04912297	rs1966290	G	A	0.161	0.025	0.415	2.39E-10	0.007	0.007	0.346	0.011	40.097	TRUE	4.03E-10
Overall COPD	ASAH1	cg04912297	rs399382	G	C	1.207	0.087	0.024	1.57E-43	-0.009	0.020	0.650	0.049	191.299	TRUE	1.73E-42
Overall COPD	ASAH1	cg04912297	rs447516	C	A	0.206	0.028	0.260	3.22E-13	-0.013	0.008	0.116	0.014	53.041	TRUE	8.17E-13
Overall COPD	ASAH1	cg04912297	rs71526168	C	T	0.499	0.049	0.076	1.92E-24	0.007	0.020	0.711	0.027	104.049	TRUE	4.89E-24
Overall COPD	ASAH1	cg04912297	rs73198081	T	A	-0.593	0.106	0.031	2.08E-08	0.039	0.021	0.072	0.008	31.406	TRUE	4.29E-08
Overall COPD	ASAH1	cg04912297	rs73202002	A	G	0.727	0.112	0.014	8.75E-11	-0.021	0.027	0.443	0.011	42.059	TRUE	1.41E-10
Overall COPD	ASAH1	cg06891716	rs113060216	A	G	0.434	0.067	0.035	1.16E-10	-0.041	0.017	0.017	0.011	41.508	TRUE	3.45E-10
Overall COPD	ASAH1	cg18067069	rs11776689	T	G	0.445	0.049	0.077	1.52E-19	0.016	0.014	0.238	0.022	81.741	TRUE	4.63E-19
Overall COPD	ASAH1	cg18067069	rs12549893	G	C	-0.157	0.026	0.384	1.25E-09	-0.005	0.007	0.504	0.010	36.875	TRUE	1.84E-09
Overall COPD	ASAH1	cg18067069	rs17436109	T	C	-0.388	0.055	0.060	2.34E-12	-0.025	0.015	0.084	0.013	49.146	TRUE	6.04E-12
Overall COPD	ASAH1	cg18067069	rs17593975	G	C	-0.360	0.060	0.044	1.60E-09	0.007	0.016	0.658	0.010	36.386	TRUE	2.17E-09
Overall COPD	ASAH1	cg18067069	rs17693097	C	G	0.336	0.052	0.064	1.09E-10	-0.019	0.013	0.163	0.011	41.623	TRUE	2.23E-10
Overall COPD	ASAH1	cg18067069	rs444618	A	T	0.317	0.039	0.114	8.84E-16	0.014	0.010	0.156	0.017	64.639	TRUE	2.43E-15
Overall COPD	ASAH1	cg18067069	rs4921901	G	A	0.340	0.058	0.051	4.66E-09	-0.005	0.014	0.728	0.009	34.307	TRUE	6.01E-09
Overall COPD	ASAH1	cg18067069	rs62492594	T	G	0.340	0.059	0.052	7.40E-09	0.021	0.016	0.185	0.009	33.409	TRUE	1.33E-08

Overall COPD	ASAH1	cg18067069	rs73208640	C	G	0.333	0.049	0.070	1.14E-11	-0.016	0.013	0.237	0.012	46.046	TRUE	2.25E-11
Overall COPD	ASAH1	cg18067069	rs7825215	C	A	0.744	0.024	0.448	6.37E-216	-0.008	0.007	0.257	0.210	983.137	TRUE	1.54E-197
Overall COPD	ASAH1	cg18067069	rs7827552	G	T	0.330	0.036	0.146	9.90E-20	0.015	0.011	0.171	0.022	82.585	TRUE	3.38E-19
Overall COPD	ASAH1	cg18067069	rs79451156	G	A	0.383	0.043	0.100	3.75E-19	-0.020	0.013	0.124	0.021	79.953	TRUE	1.35E-18
Overall COPD	ASAH1	cg18929511	rs1015502	T	C	0.185	0.027	0.320	9.51E-12	-0.001	0.007	0.869	0.012	46.403	TRUE	1.24E-11
Overall COPD	ASAH1	cg18929511	rs117633627	G	A	0.878	0.134	0.019	5.50E-11	-0.031	0.026	0.227	0.011	42.969	TRUE	1.06E-10
Overall COPD	ASAH1	cg18929511	rs13260520	C	T	0.357	0.032	0.192	1.24E-29	-0.001	0.008	0.909	0.033	127.727	TRUE	3.67E-29
Overall COPD	ASAH1	cg18929511	rs139334311	C	T	0.972	0.150	0.014	8.86E-11	0.061	0.027	0.025	0.011	42.035	TRUE	2.52E-10
Overall COPD	ASAH1	cg18929511	rs399382	G	C	1.365	0.087	0.024	1.49E-55	-0.009	0.020	0.650	0.062	246.387	TRUE	5.45E-54
Overall COPD	ASAH1	cg18929511	rs71526156	C	T	1.022	0.094	0.039	9.51E-28	-0.012	0.017	0.475	0.031	119.128	TRUE	3.69E-27
Overall COPD	ASAH1	cg18929511	rs71526168	C	T	0.400	0.049	0.076	3.68E-16	0.007	0.020	0.711	0.018	66.367	TRUE	6.22E-16
Overall COPD	ASAH1	cg18929511	rs73202002	A	G	1.020	0.112	0.014	6.50E-20	-0.021	0.027	0.443	0.022	83.416	TRUE	1.62E-19
Overall COPD	ASAH1	cg18929511	rs7387599	G	C	0.243	0.036	0.129	2.54E-11	0.010	0.010	0.297	0.012	44.478	TRUE	4.67E-11
Overall COPD	ASAH1	cg23540819	rs10106223	G	C	-0.382	0.062	0.043	7.25E-10	-0.036	0.015	0.013	0.010	37.932	TRUE	2.11E-09
Overall COPD	ASAH1	cg23540819	rs116180957	C	T	-0.477	0.076	0.030	4.14E-10	-0.038	0.021	0.067	0.010	39.023	TRUE	9.64E-10
Overall COPD	ASAH1	cg23540819	rs17126208	G	C	0.509	0.071	0.037	6.36E-13	-0.018	0.018	0.322	0.014	51.706	TRUE	1.23E-12
Overall COPD	ASAH1	cg23540819	rs2283120	C	T	0.206	0.026	0.415	1.33E-15	0.000	0.007	0.975	0.017	63.837	TRUE	1.87E-15
Overall COPD	ASAH1	cg23540819	rs2517318	A	G	-0.244	0.042	0.104	8.34E-09	-0.015	0.011	0.147	0.009	33.176	TRUE	1.57E-08
Overall COPD	ASAH1	cg23540819	rs35425490	A	G	-0.849	0.066	0.042	2.31E-38	-0.016	0.019	0.400	0.043	167.645	TRUE	2.19E-37
Overall COPD	ATP10B	cg00308503	rs111573262	G	A	-0.240	0.044	0.077	4.50E-08	-0.011	0.012	0.374	0.008	29.906	TRUE	6.74E-08
Overall COPD	ATP10B	cg01559502	rs66849773	C	G	0.284	0.039	0.100	5.90E-13	0.002	0.010	0.828	0.014	51.851	TRUE	8.22E-13
Overall COPD	ATP10B	cg01779806	rs4302627	C	T	0.177	0.031	0.176	8.15E-09	-0.021	0.009	0.022	0.009	33.221	TRUE	2.04E-08
Overall COPD	ATP10B	cg02400308	rs6556498	A	G	-0.143	0.023	0.500	7.58E-10	0.006	0.007	0.391	0.010	37.844	TRUE	1.21E-09
Overall COPD	ATP10B	cg02543268	rs17058247	T	C	0.210	0.024	0.347	7.61E-18	-0.003	0.007	0.709	0.020	74.013	TRUE	1.39E-17
Overall COPD	ATP10B	cg02543268	rs55654454	T	G	0.209	0.034	0.134	8.49E-10	0.007	0.010	0.462	0.010	37.625	TRUE	1.29E-09
Overall COPD	ATP10B	cg06805940	rs1477281	T	C	-0.249	0.034	0.134	2.22E-13	-0.013	0.011	0.224	0.014	53.767	TRUE	4.87E-13
Overall COPD	ATP10B	cg09705798	rs59702710	C	A	0.165	0.030	0.193	4.87E-08	-0.015	0.009	0.085	0.008	29.753	TRUE	9.58E-08
Overall COPD	ATP10B	cg13629358	rs12519408	T	C	-0.137	0.024	0.493	8.41E-09	0.004	0.007	0.565	0.009	33.160	TRUE	1.17E-08
Overall COPD	ATP10B	cg13629358	rs151003482	A	G	0.600	0.101	0.019	2.63E-09	0.035	0.027	0.186	0.009	35.420	TRUE	4.85E-09
Overall COPD	ATP10B	cg13629358	rs6556513	T	G	0.628	0.034	0.135	6.74E-77	-0.008	0.009	0.377	0.085	344.297	TRUE	6.03E-74
Overall COPD	ATP10B	cg20963030	rs10036919	A	G	-0.202	0.025	0.311	1.05E-15	-0.008	0.007	0.295	0.017	64.294	TRUE	2.42E-15
Overall COPD	ATP10B	cg20963030	rs10054068	C	T	-0.197	0.028	0.234	1.23E-12	-0.006	0.008	0.437	0.013	50.409	TRUE	2.15E-12
Overall COPD	ATP10B	cg20963030	rs10475689	G	A	0.757	0.098	0.017	1.25E-14	-0.011	0.026	0.658	0.016	59.430	TRUE	2.05E-14
Overall COPD	ATP10B	cg20963030	rs10515816	A	G	0.718	0.030	0.175	4.10E-127	-0.018	0.009	0.041	0.135	574.913	TRUE	2.28E-119
Overall COPD	ATP10B	cg20963030	rs11742523	A	G	0.778	0.076	0.022	6.32E-25	-0.025	0.023	0.281	0.028	106.249	TRUE	2.56E-24
Overall COPD	ATP10B	cg20963030	rs13188637	A	G	0.212	0.024	0.493	3.41E-19	-0.012	0.007	0.082	0.021	80.140	TRUE	1.37E-18
Overall COPD	ATP10B	cg20963030	rs17057955	G	A	0.393	0.062	0.078	1.92E-10	-0.009	0.014	0.495	0.011	40.525	TRUE	2.94E-10
Overall COPD	ATP10B	cg20963030	rs4479880	C	A	0.177	0.024	0.470	5.44E-14	-0.008	0.007	0.284	0.015	56.534	TRUE	1.15E-13
Overall COPD	ATP10B	cg20963030	rs79730257	T	C	0.544	0.076	0.064	9.76E-13	-0.002	0.014	0.910	0.014	50.865	TRUE	1.29E-12
Overall COPD	ATP10B	cg20963030	rs9968676	C	G	-0.145	0.025	0.350	4.37E-09	-0.015	0.007	0.030	0.009	34.433	TRUE	1.08E-08
Overall COPD	ATP10B	cg22160263	rs116614867	A	G	-1.232	0.123	0.015	1.62E-23	-0.062	0.031	0.046	0.026	99.826	TRUE	1.03E-22
Overall COPD	ATP10B	cg24639117	rs11952862	C	A	0.308	0.023	0.458	2.28E-39	0.003	0.007	0.692	0.044	172.246	TRUE	1.67E-38

Overall COPD	ATP10B	cg24639117	rs1432788	T	C	-0.321	0.044	0.072	4.62E-13	-0.006	0.012	0.620	0.014	52.333	TRUE	7.29E-13
Overall COPD	ATP10B	cg24639117	rs4479880	C	A	-0.144	0.023	0.470	9.61E-10	-0.008	0.007	0.284	0.010	37.382	TRUE	1.65E-09
Overall COPD	ATP10B	cg27141889	rs11950954	C	T	-0.201	0.031	0.172	1.16E-10	-0.029	0.013	0.024	0.011	41.512	TRUE	3.28E-10
Overall COPD	ATP13A2	cg03937609	rs6703561	A	G	0.493	0.061	0.038	5.92E-16	0.003	0.019	0.862	0.017	65.428	TRUE	9.03E-16
Overall COPD	ATP13A2	cg06953703	rs9435739	G	A	0.159	0.025	0.332	1.31E-10	-0.008	0.007	0.272	0.011	41.276	TRUE	2.37E-10
Overall COPD	ATP13A2	cg16027378	rs2235930	A	G	0.142	0.024	0.418	1.72E-09	0.009	0.007	0.167	0.010	36.245	TRUE	3.28E-09
Overall COPD	ATP13A2	cg22045253	rs11586655	G	C	0.140	0.024	0.369	9.37E-09	-0.021	0.013	0.108	0.009	32.950	TRUE	1.85E-08
Overall COPD	ATP13A2	cg22045253	rs34778293	A	G	0.279	0.048	0.062	5.82E-09	-0.001	0.014	0.927	0.009	33.876	TRUE	6.83E-09
Overall COPD	ATP13A2	cg22045253	rs56047197	A	G	0.532	0.026	0.266	1.10E-90	-0.019	0.008	0.011	0.099	407.587	TRUE	6.16E-86
Overall COPD	ATP13A2	cg22045253	rs9435730	G	A	-0.182	0.031	0.165	4.17E-09	-0.005	0.009	0.558	0.009	34.524	TRUE	5.87E-09
Overall COPD	ATP2A1	cg04414917	rs12928404	C	T	-0.399	0.024	0.392	4.69E-64	0.028	0.007	2.66E-05	0.072	285.373	TRUE	1.87E-60
Overall COPD	ATP2A1	cg04414917	rs153105	C	T	-0.297	0.046	0.074	1.12E-10	0.011	0.013	0.414	0.011	41.575	TRUE	1.83E-10
Overall COPD	ATP2A1	cg04414917	rs28709965	A	G	0.171	0.023	0.491	3.09E-13	-0.012	0.007	0.103	0.014	53.121	TRUE	8.05E-13
Overall COPD	ATP2A1	cg04414917	rs73535886	C	T	-0.144	0.026	0.319	1.89E-08	0.007	0.008	0.384	0.008	31.589	TRUE	2.86E-08
Overall COPD	ATP2A1	cg05966235	rs11401	G	A	-0.193	0.031	0.184	4.40E-10	0.004	0.010	0.672	0.010	38.905	TRUE	6.04E-10
Overall COPD	ATP2A1	cg05966235	rs11642449	T	C	0.766	0.022	0.346	1.24E-273	0.025	0.007	3.71E-04	0.252	1248.519	TRUE	1.77E-243
Overall COPD	ATP2A1	cg05966235	rs369524013	A	G	-0.154	0.025	0.326	9.20E-10	0.014	0.010	0.177	0.010	37.468	TRUE	1.76E-09
Overall COPD	ATP2A1	cg05966235	rs58317978	T	C	-0.318	0.025	0.295	4.98E-36	-0.038	0.014	0.005	0.041	156.969	TRUE	1.66E-34
Overall COPD	ATP2A1	cg05966235	rs67479058	C	T	-0.334	0.029	0.191	3.48E-30	0.004	0.009	0.649	0.034	130.253	TRUE	1.34E-29
Overall COPD	ATP2A1	cg05966235	rs72791878	T	C	0.593	0.065	0.034	5.91E-20	0.006	0.016	0.707	0.022	83.604	TRUE	1.19E-19
Overall COPD	ATP2A1	cg05966235	rs8052258	C	T	-0.270	0.023	0.476	6.50E-31	-0.011	0.007	0.121	0.035	133.581	TRUE	5.56E-30
Overall COPD	ATP2A1	cg05966235	rs8054074	A	G	0.271	0.025	0.314	1.99E-26	0.007	0.008	0.327	0.030	113.101	TRUE	8.37E-26
Overall COPD	ATP2A1	cg08213689	rs40831	G	A	0.141	0.024	0.419	2.99E-09	0.028	0.007	1.13E-04	0.009	35.168	TRUE	1.35E-08
Overall COPD	ATP2A1	cg10436792	rs11150697	T	C	0.323	0.038	0.121	2.00E-17	0.019	0.011	0.097	0.019	72.102	TRUE	6.87E-17
Overall COPD	ATP2A1	cg10436792	rs142505175	A	G	0.367	0.059	0.042	4.28E-10	-0.034	0.017	0.049	0.010	38.958	TRUE	1.05E-09
Overall COPD	ATP2A1	cg10436792	rs576443469	A	G	-0.229	0.026	0.278	2.68E-18	0.015	0.008	0.050	0.020	76.073	TRUE	1.14E-17
Overall COPD	ATP2A1	cg10436792	rs8052258	C	T	0.167	0.023	0.476	1.17E-12	-0.011	0.007	0.121	0.013	50.510	TRUE	2.85E-12
Overall COPD	ATP2A1	cg10436792	rs9933198	T	C	0.546	0.027	0.255	6.12E-94	-0.008	0.008	0.319	0.103	422.529	TRUE	9.91E-90
Overall COPD	ATP2A1	cg27473355	rs62037414	C	T	0.189	0.025	0.331	2.37E-14	0.031	0.009	8.41E-04	0.015	58.164	TRUE	1.43E-13
Overall COPD	ATP6V0A2	cg02460419	rs141433349	A	G	0.340	0.059	0.035	7.83E-09	-0.040	0.018	0.028	0.009	33.299	TRUE	1.91E-08
Overall COPD	ATP6V0A2	cg02460419	rs147460725	T	G	0.421	0.041	0.084	5.45E-25	-0.029	0.012	0.021	0.028	106.543	TRUE	4.66E-24
Overall COPD	ATP6V0A2	cg02460419	rs2341779	G	A	-0.132	0.024	0.421	2.32E-08	0.000	0.007	0.999	0.008	31.193	TRUE	2.60E-08
Overall COPD	ATP6V0A2	cg02460419	rs34224739	G	A	0.431	0.050	0.060	9.67E-18	0.014	0.015	0.358	0.019	73.540	TRUE	2.32E-17
Overall COPD	ATP6V0A2	cg02460419	rs35157218	T	C	0.308	0.041	0.218	6.99E-14	-0.006	0.008	0.455	0.015	56.042	TRUE	1.28E-13
Overall COPD	ATP6V0A2	cg02460419	rs3926666	C	T	0.153	0.025	0.310	1.07E-09	-0.006	0.008	0.415	0.010	37.165	TRUE	1.68E-09
Overall COPD	ATP6V0A2	cg02460419	rs4930730	T	G	-0.222	0.024	0.476	9.42E-21	0.003	0.007	0.696	0.023	87.233	TRUE	2.00E-20
Overall COPD	ATP6V0A2	cg02460419	rs6488898	G	A	0.321	0.058	0.076	3.89E-08	-0.033	0.012	0.006	0.008	30.188	TRUE	1.08E-07
Overall COPD	ATP6V0A2	cg04140754	rs111853781	G	T	-0.994	0.092	0.017	5.03E-27	-0.064	0.028	0.020	0.030	115.824	TRUE	5.18E-26
Overall COPD	ATP6V0A2	cg04140754	rs117209788	T	C	0.471	0.041	0.086	3.62E-31	-0.025	0.013	0.047	0.035	134.744	TRUE	4.25E-30
Overall COPD	ATP6V0A2	cg04140754	rs13303334	G	A	0.262	0.042	0.215	3.67E-10	-0.013	0.009	0.143	0.011	39.259	TRUE	7.47E-10
Overall COPD	ATP6V0A2	cg04140754	rs138808037	T	C	0.372	0.068	0.030	4.60E-08	-0.045	0.021	0.031	0.008	29.861	TRUE	1.04E-07
Overall COPD	ATP6V0A2	cg04140754	rs141433349	A	G	0.407	0.059	0.035	3.84E-12	-0.040	0.018	0.028	0.013	48.177	TRUE	1.18E-11

Overall COPD	ATP6V0A2	cg04140754	rs2203500	G	A	0.747	0.023	0.404	7.01E-236	-0.014	0.007	0.040	0.225	1074.911	TRUE	1.30E-213
Overall COPD	ATP6V0A2	cg04140754	rs2674505	G	A	0.293	0.024	0.411	1.03E-35	0.001	0.007	0.835	0.040	155.527	TRUE	4.91E-35
Overall COPD	ATP6V0A2	cg04140754	rs28531860	G	A	0.141	0.025	0.321	2.58E-08	0.000	0.008	0.996	0.008	30.984	TRUE	2.89E-08
Overall COPD	ATP6V0A2	cg04140754	rs3926666	C	T	0.169	0.025	0.310	1.76E-11	-0.006	0.008	0.415	0.012	45.196	TRUE	2.97E-11
Overall COPD	ATP6V0A2	cg04140754	rs55920625	A	C	0.550	0.049	0.061	9.41E-29	0.014	0.015	0.344	0.032	123.714	TRUE	4.55E-28
Overall COPD	ATP6V0A2	cg04140754	rs6488898	G	A	0.361	0.058	0.076	4.65E-10	-0.033	0.012	0.006	0.010	38.799	TRUE	1.52E-09
Overall COPD	ATP6V0A2	cg04140754	rs7138100	A	C	-0.237	0.025	0.344	8.81E-22	-0.001	0.007	0.877	0.024	91.918	TRUE	1.72E-21
Overall COPD	ATP6V0A2	cg06735598	rs10773039	A	G	-0.171	0.023	0.459	2.21E-13	0.005	0.007	0.465	0.014	53.777	TRUE	3.92E-13
Overall COPD	ATP6V0A2	cg06735598	rs10846530	C	G	0.436	0.065	0.031	2.65E-11	0.015	0.016	0.356	0.012	44.392	TRUE	4.64E-11
Overall COPD	ATP6V0A2	cg06735598	rs11615300	G	A	-0.825	0.021	0.419	<1E-200	-0.015	0.007	0.026	0.297	1564.659	TRUE	1.65E-299
Overall COPD	ATP6V0A2	cg06735598	rs116981002	G	A	0.410	0.071	0.056	7.74E-09	0.034	0.018	0.052	0.009	33.320	TRUE	1.73E-08
Overall COPD	ATP6V0A2	cg06735598	rs11834698	G	A	-0.386	0.063	0.038	8.20E-10	-0.035	0.020	0.071	0.010	37.691	TRUE	1.86E-09
Overall COPD	ATP6V0A2	cg06735598	rs141433349	A	G	-0.345	0.059	0.035	4.75E-09	-0.040	0.018	0.028	0.009	34.269	TRUE	1.18E-08
Overall COPD	ATP6V0A2	cg06735598	rs143928387	T	C	-0.444	0.041	0.085	2.00E-27	-0.025	0.013	0.047	0.031	117.654	TRUE	1.71E-26
Overall COPD	ATP6V0A2	cg06735598	rs2674506	C	T	-0.321	0.024	0.412	6.10E-41	-0.006	0.007	0.428	0.046	179.444	TRUE	6.98E-40
Overall COPD	ATP6V0A2	cg06735598	rs34224739	G	A	-0.519	0.050	0.060	4.45E-25	0.014	0.015	0.358	0.028	106.944	TRUE	1.65E-24
Overall COPD	ATP6V0A2	cg06735598	rs35157218	T	C	-0.392	0.041	0.218	9.44E-22	-0.006	0.008	0.455	0.024	91.782	TRUE	2.58E-21
Overall COPD	ATP6V0A2	cg06735598	rs3926666	C	T	-0.167	0.025	0.310	3.47E-11	-0.006	0.008	0.415	0.012	43.869	TRUE	5.78E-11
Overall COPD	ATP6V0A2	cg06735598	rs6488907	A	G	0.143	0.025	0.296	1.52E-08	-0.016	0.007	0.032	0.009	32.013	TRUE	3.55E-08
Overall COPD	ATP6V0A2	cg16376770	rs7302788	C	T	-0.147	0.024	0.406	8.92E-10	-0.017	0.008	0.035	0.010	37.527	TRUE	2.25E-09
Overall COPD	ATP6V0A2	cg17306339	rs111260541	A	G	0.908	0.096	0.018	3.45E-21	-0.056	0.028	0.045	0.024	89.221	TRUE	1.84E-20
Overall COPD	ATP6V0A2	cg17306339	rs4040225	A	G	0.182	0.024	0.453	6.93E-14	-0.012	0.007	0.074	0.015	56.057	TRUE	2.01E-13
Overall COPD	ATP6V0A2	cg21179092	rs7133199	C	A	0.237	0.024	0.423	2.38E-23	-0.018	0.007	0.009	0.026	99.063	TRUE	2.12E-22
Overall COPD	ATP6V0A2	cg25710520	rs11572926	G	A	0.272	0.049	0.060	3.65E-08	-0.005	0.014	0.716	0.008	30.308	TRUE	4.61E-08
Overall COPD	ATP6V0A2	cg25710520	rs117209788	T	C	-0.282	0.041	0.086	5.11E-12	-0.025	0.013	0.047	0.013	47.619	TRUE	1.43E-11
Overall COPD	ATP6V0A2	cg25710520	rs11837256	T	A	-0.543	0.024	0.404	5.25E-118	-0.014	0.007	0.040	0.126	533.070	TRUE	3.77E-111
Overall COPD	ATP6V0A2	cg25710520	rs13303189	T	A	-0.277	0.042	0.211	6.14E-11	-0.013	0.009	0.135	0.011	42.752	TRUE	1.32E-10
Overall COPD	ATP6V0A2	cg25710520	rs2674505	G	A	-0.186	0.024	0.411	3.77E-15	0.001	0.007	0.835	0.016	61.783	TRUE	5.67E-15
Overall COPD	ATP6V0A2	cg25710520	rs55920625	A	C	-0.317	0.050	0.061	1.82E-10	0.014	0.015	0.344	0.011	40.632	TRUE	3.09E-10
Overall COPD	ATP6V0D1	cg04726373	rs147994279	T	C	-0.535	0.062	0.035	6.91E-18	0.010	0.019	0.600	0.020	74.202	TRUE	1.37E-17
Overall COPD	ATP6V0D1	cg06120000	rs75204333	C	T	0.377	0.055	0.045	1.02E-11	-0.049	0.017	0.005	0.012	46.268	TRUE	3.94E-11
Overall COPD	ATP6V0D1	cg07871059	rs55966046	A	C	-0.342	0.044	0.074	5.47E-15	-0.022	0.015	0.161	0.016	61.051	TRUE	1.43E-14
Overall COPD	ATP6V0D1	cg08830672	rs111986796	T	C	0.743	0.091	0.020	2.52E-16	-0.040	0.031	0.194	0.018	67.107	TRUE	6.78E-16
Overall COPD	ATP6V0D1	cg08830672	rs55966046	A	C	-0.480	0.044	0.074	2.89E-28	-0.022	0.015	0.161	0.032	121.491	TRUE	1.82E-27
Overall COPD	ATP6V0D1	cg08830672	rs8051517	C	T	-0.325	0.050	0.057	1.06E-10	-0.022	0.015	0.138	0.011	41.685	TRUE	2.24E-10
Overall COPD	ATP6V0D1	cg08830672	rs9930024	C	T	-0.152	0.024	0.400	2.84E-10	-0.013	0.010	0.196	0.011	39.759	TRUE	5.46E-10
Overall COPD	ATP6V0D1	cg10189135	rs111986796	T	C	0.576	0.091	0.020	2.23E-10	-0.040	0.031	0.194	0.011	40.228	TRUE	4.33E-10
Overall COPD	ATP6V0D1	cg10189135	rs55966046	A	C	-0.405	0.044	0.074	1.73E-20	-0.022	0.015	0.161	0.023	86.033	TRUE	6.31E-20
Overall COPD	BAG3	cg10673740	rs10886529	A	G	0.191	0.025	0.359	1.39E-14	-0.014	0.007	0.041	0.016	59.219	TRUE	4.73E-14
Overall COPD	BAG3	cg10673740	rs11199043	A	G	0.136	0.023	0.497	5.72E-09	0.007	0.012	0.570	0.009	33.909	TRUE	7.96E-09
Overall COPD	BAG3	cg10673740	rs2289307	C	T	0.218	0.025	0.362	7.90E-19	-0.009	0.007	0.217	0.021	78.482	TRUE	2.38E-18
Overall COPD	BAG3	cg17076667	rs10787984	G	C	0.168	0.030	0.192	1.37E-08	0.008	0.009	0.339	0.009	32.219	TRUE	2.14E-08

Overall COPD	BAG3	cg17076667	rs10787985	C	T	0.204	0.024	0.416	1.71E-17	-0.004	0.007	0.613	0.019	72.410	TRUE	3.29E-17
Overall COPD	BAG3	cg17076667	rs11199103	G	A	-0.183	0.029	0.191	3.58E-10	0.008	0.008	0.353	0.011	39.309	TRUE	5.96E-10
Overall COPD	BAG3	cg17076667	rs1537577	T	C	-0.156	0.026	0.296	1.11E-09	-0.004	0.008	0.624	0.010	37.105	TRUE	1.54E-09
Overall COPD	BAG3	cg17076667	rs196304	A	T	0.269	0.027	0.261	5.62E-24	0.019	0.008	0.019	0.027	101.922	TRUE	4.52E-23
Overall COPD	BAG3	cg17076667	rs196326	C	G	-0.674	0.027	0.206	5.80E-133	-0.006	0.008	0.450	0.140	601.791	TRUE	2.06E-125
Overall COPD	BAG3	cg17076667	rs2184354	A	C	-0.302	0.039	0.106	5.32E-15	0.007	0.014	0.617	0.016	61.105	TRUE	9.12E-15
Overall COPD	BAG3	cg17076667	rs3892879	A	G	0.196	0.027	0.265	2.34E-13	-0.015	0.008	0.061	0.014	53.665	TRUE	6.83E-13
Overall COPD	BCL2L10	cg00413066	rs2414132	C	T	0.193	0.031	0.181	2.54E-10	-0.001	0.009	0.886	0.011	39.978	TRUE	3.16E-10
Overall COPD	BCL2L10	cg03151554	rs17705817	G	A	-0.176	0.032	0.160	3.22E-08	0.004	0.009	0.615	0.008	30.551	TRUE	4.27E-08
Overall COPD	BCL2L10	cg03151554	rs35223886	A	G	-0.486	0.067	0.031	3.96E-13	0.001	0.020	0.973	0.014	52.636	TRUE	5.12E-13
Overall COPD	BCL2L10	cg03151554	rs4638520	T	C	-0.275	0.032	0.156	1.18E-17	-0.006	0.009	0.494	0.019	73.144	TRUE	2.51E-17
Overall COPD	BCL2L10	cg03151554	rs79704026	T	C	-0.445	0.050	0.058	7.59E-19	-0.012	0.014	0.392	0.021	78.563	TRUE	1.87E-18
Overall COPD	BCL2L10	cg03929531	rs2440320	A	G	-0.589	0.106	0.031	2.55E-08	-0.042	0.022	0.050	0.008	31.005	TRUE	5.54E-08
Overall COPD	BCL2L10	cg03929531	rs72729248	A	G	-0.501	0.067	0.030	5.38E-14	-0.002	0.020	0.938	0.015	56.557	TRUE	7.29E-14
Overall COPD	BCL2L10	cg03929531	rs79704026	T	C	-0.407	0.050	0.058	4.94E-16	-0.012	0.014	0.392	0.017	65.785	TRUE	1.05E-15
Overall COPD	BCL2L10	cg04519487	rs2231289	C	T	0.423	0.067	0.036	2.29E-10	0.011	0.019	0.584	0.011	40.180	TRUE	3.33E-10
Overall COPD	BCL2L10	cg04519487	rs2231290	A	G	-0.251	0.026	0.289	1.19E-21	0.003	0.008	0.716	0.024	91.322	TRUE	2.60E-21
Overall COPD	BCL2L10	cg04519487	rs72729275	A	G	-0.340	0.055	0.047	5.29E-10	0.006	0.017	0.721	0.010	38.547	TRUE	7.06E-10
Overall COPD	BCL2L10	cg04519487	rs8025701	A	G	-0.318	0.050	0.060	1.72E-10	-0.016	0.014	0.247	0.011	40.744	TRUE	3.17E-10
Overall COPD	BCL2L10	cg12067522	rs2227308	A	G	0.348	0.031	0.162	1.71E-28	0.002	0.009	0.814	0.032	122.528	TRUE	5.09E-28
Overall COPD	BCL2L10	cg12067522	rs28691169	C	G	-0.217	0.039	0.105	1.93E-08	0.021	0.012	0.087	0.008	31.550	TRUE	3.87E-08
Overall COPD	BCL2L10	cg14431573	rs2231290	A	G	-0.206	0.026	0.289	5.09E-15	0.003	0.008	0.716	0.016	61.192	TRUE	8.19E-15
Overall COPD	BCL2L10	cg14431573	rs74820417	A	G	0.348	0.064	0.038	4.56E-08	-0.002	0.018	0.915	0.008	29.879	TRUE	5.27E-08
Overall COPD	BCL2L10	cg14540387	rs11632093	C	T	-0.175	0.025	0.341	3.67E-12	0.007	0.007	0.319	0.013	48.270	TRUE	6.88E-12
Overall COPD	BCL2L10	cg15190747	rs12899030	G	C	-0.252	0.033	0.155	1.03E-14	-0.002	0.010	0.863	0.016	59.805	TRUE	1.50E-14
Overall COPD	BCL2L10	cg15190747	rs72729299	G	A	-0.424	0.066	0.030	1.55E-10	-0.002	0.021	0.932	0.011	40.947	TRUE	1.89E-10
Overall COPD	BCL2L10	cg15190747	rs79704026	T	C	-0.434	0.051	0.058	8.28E-18	-0.012	0.014	0.392	0.020	73.845	TRUE	1.93E-17
Overall COPD	BCL2L10	cg19114050	rs140494872	G	A	0.514	0.091	0.016	1.60E-08	-0.017	0.027	0.544	0.009	31.910	TRUE	2.22E-08
Overall COPD	BCL2L10	cg19114050	rs149290740	T	C	0.554	0.089	0.021	5.21E-10	0.021	0.021	0.333	0.010	38.576	TRUE	8.75E-10
Overall COPD	BCL2L10	cg19114050	rs2231289	C	T	0.751	0.066	0.036	1.31E-29	0.011	0.019	0.584	0.033	127.621	TRUE	5.17E-29
Overall COPD	BCL2L10	cg19114050	rs2231297	G	A	0.243	0.032	0.162	3.85E-14	0.003	0.009	0.757	0.015	57.214	TRUE	5.83E-14
Overall COPD	BCL2L10	cg19114050	rs79883421	A	G	0.211	0.036	0.132	2.83E-09	0.029	0.011	0.007	0.009	35.277	TRUE	8.55E-09
Overall COPD	BCL2L10	cg27563121	rs112393809	T	A	-0.650	0.103	0.017	3.05E-10	0.023	0.033	0.482	0.011	39.621	TRUE	4.68E-10
Overall COPD	BCL2L10	cg27563121	rs56049741	C	A	0.166	0.023	0.475	1.02E-12	-0.007	0.007	0.319	0.014	50.785	TRUE	1.96E-12
Overall COPD	BCL2L10	cg27563121	rs56359304	T	C	-0.280	0.049	0.062	9.93E-09	-0.009	0.015	0.541	0.009	32.838	TRUE	1.39E-08
Overall COPD	BCL2L10	cg27563121	rs59851373	A	T	-0.592	0.038	0.112	4.95E-56	0.025	0.013	0.048	0.063	248.582	TRUE	7.84E-54
Overall COPD	BCL2L10	cg27563121	rs6493546	C	T	-0.184	0.025	0.349	1.20E-13	0.006	0.007	0.394	0.015	54.984	TRUE	2.27E-13
Overall COPD	BCL2L11	cg06223562	rs616582	T	C	-0.160	0.024	0.405	1.61E-11	-0.006	0.007	0.408	0.012	45.371	TRUE	2.74E-11
Overall COPD	BCL2L11	cg09907170	rs73954941	G	T	0.278	0.048	0.065	6.61E-09	-0.031	0.015	0.041	0.009	33.628	TRUE	1.53E-08
Overall COPD	BCL2L11	cg13092766	rs11123271	G	A	0.155	0.024	0.406	9.26E-11	0.011	0.007	0.132	0.011	41.948	TRUE	1.98E-10
Overall COPD	BCL2L11	cg13092766	rs11123409	A	G	0.351	0.032	0.161	6.57E-28	0.005	0.010	0.590	0.031	119.859	TRUE	2.30E-27
Overall COPD	BCL2L11	cg13092766	rs113557230	A	G	-0.315	0.030	0.186	9.40E-26	-0.006	0.009	0.528	0.029	110.023	TRUE	3.04E-25

Overall COPD	BCL2L11	cg13092766	rs12615741	G	T	0.288	0.047	0.073	9.22E-10	-0.012	0.013	0.347	0.010	37.462	TRUE	1.51E-09
Overall COPD	BCL2L11	cg13092766	rs1588731	T	C	-0.135	0.023	0.462	7.71E-09	-0.006	0.007	0.372	0.009	33.328	TRUE	1.20E-08
Overall COPD	BCL2L11	cg13092766	rs17041670	A	G	0.199	0.029	0.205	6.08E-12	0.008	0.008	0.320	0.013	47.280	TRUE	1.13E-11
Overall COPD	BCL2L11	cg13092766	rs374722324	A	G	0.397	0.038	0.106	3.23E-26	0.027	0.017	0.111	0.029	112.138	TRUE	1.97E-25
Overall COPD	BCL2L11	cg13092766	rs4848393	T	C	-0.792	0.021	0.459	<1E-200	-0.006	0.007	0.417	0.284	1468.414	TRUE	2.31E-284
Overall COPD	BCL2L11	cg13092766	rs4849391	G	A	0.173	0.024	0.386	3.66E-13	0.007	0.007	0.318	0.014	52.790	TRUE	7.21E-13
Overall COPD	BCL2L11	cg13092766	rs62160439	T	C	-0.299	0.025	0.323	7.40E-33	-0.016	0.012	0.180	0.037	142.465	TRUE	6.41E-32
Overall COPD	BCL2L11	cg13092766	rs72837815	T	C	0.373	0.039	0.098	3.82E-22	-0.005	0.011	0.630	0.025	93.570	TRUE	9.17E-22
Overall COPD	BCL2L11	cg13092766	rs7582030	A	G	0.423	0.034	0.130	2.47E-36	-0.011	0.010	0.287	0.041	158.366	TRUE	2.33E-35
Overall COPD	BCL2L11	cg26001287	rs75543804	T	G	0.583	0.068	0.033	7.63E-18	-0.026	0.020	0.186	0.020	74.006	TRUE	2.27E-17
Overall COPD	BCL2L11	cg27591920	rs11693327	C	T	0.307	0.044	0.147	1.93E-12	-0.008	0.011	0.457	0.013	49.529	TRUE	3.30E-12
Overall COPD	BCL2L11	cg27608154	rs12615741	G	T	-0.703	0.046	0.073	4.56E-52	-0.012	0.013	0.347	0.059	230.408	TRUE	1.77E-50
Overall COPD	BCL2L11	cg27608154	rs3789067	T	C	-1.525	0.045	0.065	4.21E-254	-0.032	0.014	0.025	0.239	1158.703	TRUE	1.36E-228
Overall COPD	BCL2L11	cg27608154	rs616084	G	A	0.202	0.023	0.499	5.33E-18	-0.010	0.007	0.123	0.020	74.713	TRUE	1.79E-17
Overall COPD	BCL3	cg16094954	rs10421035	G	A	0.325	0.027	0.230	2.20E-32	0.007	0.008	0.381	0.037	140.302	TRUE	1.32E-31
Overall COPD	BCL3	cg16094954	rs2965159	G	A	0.321	0.024	0.401	3.28E-42	0.006	0.007	0.398	0.048	185.254	TRUE	4.39E-41
Overall COPD	BCL3	cg16094954	rs2972556	T	C	-0.257	0.033	0.140	1.41E-14	0.005	0.010	0.654	0.016	59.185	TRUE	2.32E-14
Overall COPD	BCL3	cg16094954	rs34404554	G	C	-0.233	0.033	0.145	2.09E-12	-0.038	0.009	4.57E-05	0.013	49.368	TRUE	1.43E-11
Overall COPD	BCL3	cg16094954	rs4803748	T	C	0.825	0.021	0.381	<1E-200	0.019	0.007	0.008	0.295	1550.504	TRUE	1.04E-296
Overall COPD	BCL3	cg16094954	rs4803761	G	A	-0.173	0.026	0.317	1.39E-11	-0.018	0.008	0.016	0.012	45.659	TRUE	4.48E-11
Overall COPD	BCL3	cg16094954	rs55923289	C	T	-0.380	0.049	0.126	1.03E-14	-0.009	0.010	0.377	0.016	59.797	TRUE	2.09E-14
Overall COPD	BCL3	cg16094954	rs62117162	A	C	0.588	0.041	0.086	6.07E-46	0.029	0.013	0.025	0.052	202.350	TRUE	3.71E-44
Overall COPD	BCL3	cg16094954	rs7249244	T	C	0.219	0.024	0.489	6.45E-20	0.004	0.007	0.602	0.022	83.432	TRUE	1.41E-19
Overall COPD	BCL3	cg16094954	rs72654473	A	C	0.372	0.039	0.101	6.12E-22	0.001	0.011	0.906	0.024	92.639	TRUE	1.18E-21
Overall COPD	BCL3	cg16094954	rs74607435	C	T	0.771	0.077	0.050	2.13E-23	0.010	0.017	0.552	0.026	99.282	TRUE	5.86E-23
Overall COPD	BCL3	cg26470501	rs10421283	G	A	0.195	0.024	0.445	1.92E-16	0.011	0.007	0.093	0.018	67.648	TRUE	6.24E-16
Overall COPD	BCL3	cg26470501	rs35106910	C	A	-0.337	0.062	0.040	4.95E-08	-0.007	0.016	0.639	0.008	29.722	TRUE	6.44E-08
Overall COPD	BCL3	cg26470501	rs419010	C	T	-0.146	0.024	0.450	7.40E-10	-0.003	0.007	0.706	0.010	37.891	TRUE	9.90E-10
Overall COPD	BCL3	cg26470501	rs4803760	T	C	-0.163	0.030	0.198	4.45E-08	0.005	0.010	0.654	0.008	29.924	TRUE	5.77E-08
Overall COPD	BCL3	cg26470501	rs55840414	A	G	0.241	0.037	0.116	4.85E-11	0.011	0.011	0.282	0.012	43.213	TRUE	8.91E-11
Overall COPD	BCL3	cg26470501	rs8100197	A	G	0.395	0.026	0.257	2.03E-50	0.020	0.010	0.045	0.057	222.853	TRUE	1.69E-48
Overall COPD	BID	cg01388022	rs738094	C	T	-0.212	0.024	0.446	4.71E-19	0.025	0.007	5.80E-04	0.021	79.506	TRUE	4.58E-18
Overall COPD	BID	cg01618287	rs2401423	C	G	0.221	0.032	0.373	3.71E-12	0.009	0.007	0.222	0.013	48.243	TRUE	7.66E-12
Overall COPD	BID	cg01618287	rs386333	A	G	-0.259	0.041	0.172	3.47E-10	-0.012	0.010	0.245	0.011	39.367	TRUE	6.32E-10
Overall COPD	BID	cg01618287	rs5747351	G	A	0.165	0.024	0.414	2.23E-12	0.003	0.007	0.681	0.013	49.243	TRUE	3.31E-12
Overall COPD	BID	cg07473201	rs141963645	A	G	-0.920	0.099	0.014	1.16E-20	0.024	0.058	0.683	0.023	86.829	TRUE	2.46E-20
Overall COPD	BID	cg07473201	rs16980962	C	T	-0.451	0.064	0.033	1.49E-12	-0.008	0.019	0.652	0.013	50.040	TRUE	2.25E-12
Overall COPD	BID	cg07473201	rs2305001	C	T	-0.450	0.065	0.033	6.37E-12	0.000	0.020	0.985	0.013	47.187	TRUE	7.89E-12
Overall COPD	BID	cg07473201	rs5747339	T	C	-0.225	0.024	0.443	2.27E-21	0.020	0.007	0.003	0.024	90.050	TRUE	2.08E-20
Overall COPD	BID	cg07473201	rs62240473	G	A	-0.526	0.066	0.036	1.83E-15	-0.019	0.019	0.329	0.017	63.201	TRUE	4.02E-15
Overall COPD	BID	cg07473201	rs9180	C	T	-0.162	0.027	0.273	1.54E-09	0.008	0.008	0.286	0.010	36.463	TRUE	2.62E-09
Overall COPD	BID	cg09896131	rs141963645	A	G	-1.022	0.097	0.014	6.70E-26	0.024	0.058	0.683	0.029	110.694	TRUE	1.90E-25

Overall COPD	BID	cg09896131	rs16980962	C	T	-0.352	0.063	0.033	2.62E-08	-0.008	0.019	0.652	0.008	30.951	TRUE	3.42E-08
Overall COPD	BID	cg09896131	rs181386	A	G	-0.172	0.030	0.182	1.39E-08	0.016	0.009	0.078	0.009	32.189	TRUE	2.86E-08
Overall COPD	BID	cg09896131	rs2305001	C	T	-0.445	0.065	0.033	7.80E-12	0.000	0.020	0.985	0.012	46.791	TRUE	9.63E-12
Overall COPD	BID	cg09896131	rs35372828	A	G	0.182	0.029	0.214	2.79E-10	0.013	0.008	0.108	0.011	39.792	TRUE	6.05E-10
Overall COPD	BID	cg13346441	rs1296687	T	C	-0.476	0.028	0.224	2.75E-64	0.013	0.009	0.156	0.072	286.435	TRUE	7.33E-62
Overall COPD	BID	cg13346441	rs141963645	A	G	-1.268	0.099	0.014	8.78E-38	0.024	0.058	0.683	0.043	164.991	TRUE	5.71E-37
Overall COPD	BID	cg13346441	rs16980962	C	T	-0.496	0.064	0.033	8.32E-15	-0.008	0.019	0.652	0.016	60.225	TRUE	1.38E-14
Overall COPD	BID	cg13346441	rs181408	T	C	-0.227	0.023	0.498	2.64E-22	-0.013	0.007	0.056	0.025	94.300	TRUE	1.45E-21
Overall COPD	BID	cg13346441	rs2305001	C	T	-0.506	0.066	0.033	1.20E-14	0.000	0.020	0.985	0.016	59.498	TRUE	1.63E-14
Overall COPD	BID	cg13346441	rs62240487	A	G	-0.522	0.066	0.037	2.32E-15	-0.019	0.019	0.329	0.017	62.739	TRUE	5.06E-15
Overall COPD	BID	cg20234121	rs5747350	A	G	0.135	0.024	0.412	1.50E-08	0.003	0.007	0.664	0.009	32.035	TRUE	1.96E-08
Overall COPD	BID	cg26427090	rs372897	A	C	-0.274	0.031	0.185	1.25E-18	0.021	0.009	0.014	0.021	77.581	TRUE	7.01E-18
Overall COPD	BIK	cg01341487	rs2076161	C	G	0.269	0.032	0.156	9.46E-17	-0.003	0.009	0.778	0.018	69.042	TRUE	1.57E-16
Overall COPD	BIK	cg01341487	rs3819674	G	A	0.292	0.044	0.073	4.72E-11	0.018	0.013	0.154	0.012	43.268	TRUE	9.94E-11
Overall COPD	BIK	cg01341487	rs5751435	T	C	-0.725	0.034	0.133	3.81E-100	-0.009	0.011	0.432	0.109	451.027	TRUE	1.46E-95
Overall COPD	BIK	cg01341487	rs5751444	A	G	-0.261	0.027	0.249	1.07E-21	0.001	0.008	0.942	0.024	91.539	TRUE	1.98E-21
Overall COPD	BIK	cg01341487	rs5759167	G	T	0.290	0.023	0.490	4.74E-35	-0.002	0.007	0.760	0.040	152.495	TRUE	2.31E-34
Overall COPD	BIK	cg01341487	rs62231650	T	C	-0.657	0.116	0.026	1.62E-08	0.038	0.029	0.192	0.009	31.882	TRUE	2.86E-08
Overall COPD	BIK	cg01341487	rs9620115	G	A	0.293	0.033	0.153	5.07E-19	0.002	0.010	0.838	0.021	79.357	TRUE	8.94E-19
Overall COPD	BIK	cg02601893	rs2076079	A	G	-0.201	0.025	0.327	9.71E-16	-0.012	0.008	0.105	0.017	64.455	TRUE	2.94E-15
Overall COPD	BIK	cg04042468	rs12168319	T	C	-0.580	0.034	0.136	1.44E-64	-0.007	0.011	0.547	0.072	287.724	TRUE	1.77E-62
Overall COPD	BIK	cg04042468	rs3819674	G	A	0.306	0.044	0.073	5.02E-12	0.018	0.013	0.154	0.013	47.654	TRUE	1.12E-11
Overall COPD	BIK	cg04042468	rs5759167	G	T	0.306	0.023	0.490	6.16E-39	-0.002	0.007	0.760	0.044	170.272	TRUE	4.06E-38
Overall COPD	BIK	cg04042468	rs5996265	A	G	0.416	0.049	0.055	1.84E-17	0.019	0.016	0.218	0.019	72.265	TRUE	5.12E-17
Overall COPD	BIK	cg04042468	rs62232063	C	T	0.199	0.024	0.412	5.33E-17	-0.004	0.010	0.701	0.019	70.173	TRUE	9.42E-17
Overall COPD	BIK	cg04042468	rs62232065	A	C	-0.171	0.029	0.222	2.40E-09	-0.001	0.008	0.862	0.010	35.596	TRUE	2.94E-09
Overall COPD	BIK	cg04042468	rs9620115	G	A	0.247	0.033	0.153	6.50E-14	0.002	0.010	0.838	0.015	56.184	TRUE	9.31E-14
Overall COPD	BIK	cg04304450	rs2245947	G	T	0.149	0.025	0.330	3.21E-09	-0.015	0.007	0.038	0.009	35.031	TRUE	7.72E-09
Overall COPD	BIK	cg05251389	rs11705016	A	G	0.194	0.031	0.178	5.74E-10	-0.006	0.010	0.521	0.010	38.386	TRUE	8.51E-10
Overall COPD	BIK	cg07972488	rs4988364	A	C	-0.197	0.035	0.135	1.55E-08	-0.006	0.011	0.613	0.009	31.971	TRUE	2.08E-08
Overall COPD	BIK	cg07972488	rs5759168	G	A	0.247	0.033	0.160	4.17E-14	-0.006	0.010	0.522	0.015	57.057	TRUE	7.32E-14
Overall COPD	BIK	cg08954856	rs12168319	T	C	-0.264	0.035	0.136	3.18E-14	-0.007	0.011	0.547	0.015	57.591	TRUE	5.51E-14
Overall COPD	BIK	cg08954856	rs5759167	G	T	0.161	0.024	0.490	9.54E-12	-0.002	0.007	0.760	0.012	46.395	TRUE	1.32E-11
Overall COPD	BIK	cg09263116	rs135016	C	T	0.315	0.052	0.054	1.78E-09	0.000	0.021	0.995	0.010	36.179	TRUE	2.06E-09
Overall COPD	BIK	cg09263116	rs2076161	C	G	0.294	0.032	0.156	1.10E-19	-0.003	0.009	0.778	0.022	82.372	TRUE	2.09E-19
Overall COPD	BIK	cg09263116	rs3819674	G	A	0.243	0.044	0.073	4.46E-08	0.018	0.013	0.154	0.008	29.921	TRUE	7.98E-08
Overall COPD	BIK	cg09263116	rs5751435	T	C	-0.612	0.034	0.133	1.70E-70	-0.009	0.011	0.432	0.078	314.918	TRUE	5.49E-68
Overall COPD	BIK	cg09263116	rs5751444	A	G	-0.242	0.027	0.249	8.30E-19	0.001	0.008	0.942	0.021	78.384	TRUE	1.35E-18
Overall COPD	BIK	cg09263116	rs5759167	G	T	0.294	0.023	0.490	5.92E-36	-0.002	0.007	0.760	0.041	156.626	TRUE	3.09E-35
Overall COPD	BIK	cg09263116	rs9620115	G	A	0.246	0.033	0.153	8.32E-14	0.002	0.010	0.838	0.015	55.698	TRUE	1.19E-13
Overall COPD	BIK	cg10513709	rs12168319	T	C	-0.354	0.034	0.136	1.06E-24	-0.007	0.011	0.547	0.028	105.230	TRUE	3.15E-24
Overall COPD	BIK	cg10513709	rs2413742	A	G	0.181	0.031	0.172	5.14E-09	0.003	0.010	0.774	0.009	34.119	TRUE	6.48E-09

Overall COPD	BIK	cg10513709	rs5759167	G	T	0.179	0.024	0.490	3.08E-14	-0.002	0.007	0.760	0.015	57.649	TRUE	4.68E-14
Overall COPD	BIK	cg13698860	rs2066910	C	T	-0.253	0.025	0.330	6.86E-24	-0.015	0.007	0.035	0.027	101.527	TRUE	4.78E-23
Overall COPD	BIK	cg13698860	rs9333351	C	A	-0.382	0.069	0.031	3.68E-08	-0.027	0.023	0.231	0.008	30.296	TRUE	6.13E-08
Overall COPD	BIK	cg13934236	rs872841	C	G	0.149	0.025	0.317	4.60E-09	0.002	0.008	0.809	0.009	34.335	TRUE	5.71E-09
Overall COPD	BIK	cg13934236	rs909666	C	T	-0.270	0.033	0.151	2.10E-16	-0.016	0.010	0.133	0.018	67.467	TRUE	6.26E-16
Overall COPD	BIK	cg14971586	rs13055357	C	A	-0.219	0.026	0.281	6.30E-17	-0.005	0.008	0.524	0.019	69.844	TRUE	1.26E-16
Overall COPD	BIK	cg14971586	rs138910	T	C	0.279	0.026	0.278	2.54E-26	0.011	0.008	0.183	0.030	112.619	TRUE	1.32E-25
Overall COPD	BIK	cg14971586	rs139143960	C	T	0.364	0.054	0.050	2.20E-11	-0.021	0.022	0.341	0.012	44.757	TRUE	3.91E-11
Overall COPD	BIK	cg14971586	rs2076161	C	G	0.295	0.032	0.156	8.53E-20	-0.003	0.009	0.778	0.022	82.879	TRUE	1.62E-19
Overall COPD	BIK	cg14971586	rs5759173	T	C	0.648	0.025	0.270	2.90E-147	-0.007	0.008	0.370	0.153	667.509	TRUE	4.20E-138
Overall COPD	BIK	cg14971586	rs5759198	A	G	-0.187	0.033	0.149	1.10E-08	-0.001	0.010	0.931	0.009	32.639	TRUE	1.28E-08
Overall COPD	BIK	cg14971586	rs7291800	C	A	0.263	0.047	0.063	2.50E-08	0.010	0.014	0.476	0.008	31.045	TRUE	3.57E-08
Overall COPD	BIK	cg14971586	rs760771	G	T	0.333	0.033	0.143	1.37E-24	-0.003	0.010	0.770	0.028	104.719	TRUE	3.36E-24
Overall COPD	BIK	cg14971586	rs872842	T	A	-0.406	0.034	0.135	2.64E-32	-0.012	0.011	0.272	0.036	139.937	TRUE	1.85E-31
Overall COPD	BIK	cg14971586	rs9608010	A	G	0.140	0.024	0.377	5.34E-09	-0.002	0.007	0.803	0.009	34.045	TRUE	6.63E-09
Overall COPD	BIK	cg17179881	rs1883264	C	G	-0.184	0.033	0.153	2.40E-08	0.002	0.010	0.838	0.008	31.126	TRUE	2.88E-08
Overall COPD	BIK	cg17967224	rs4988372	T	C	-0.210	0.035	0.132	2.36E-09	-0.006	0.011	0.613	0.010	35.634	TRUE	3.25E-09
Overall COPD	BIK	cg17967224	rs5759135	T	A	0.238	0.040	0.082	4.06E-09	0.014	0.018	0.440	0.009	34.577	TRUE	6.10E-09
Overall COPD	BIK	cg17967224	rs5759168	G	A	0.291	0.033	0.160	6.52E-19	-0.006	0.010	0.522	0.021	78.863	TRUE	1.44E-18
Overall COPD	BIK	cg20550677	rs4988364	A	C	-0.256	0.035	0.135	1.94E-13	-0.006	0.011	0.613	0.014	54.039	TRUE	3.12E-13
Overall COPD	BIK	cg20550677	rs5759168	G	A	0.220	0.033	0.160	2.02E-11	-0.006	0.010	0.522	0.012	44.931	TRUE	3.16E-11
Overall COPD	BIK	cg26453588	rs12168319	T	C	-0.694	0.034	0.136	2.95E-93	-0.007	0.011	0.547	0.102	419.395	TRUE	2.64E-89
Overall COPD	BIK	cg26453588	rs3819674	G	A	0.263	0.044	0.073	3.06E-09	0.018	0.013	0.154	0.009	35.124	TRUE	5.84E-09
Overall COPD	BIK	cg26453588	rs5751444	A	G	-0.239	0.027	0.249	2.50E-18	0.001	0.008	0.942	0.020	76.205	TRUE	3.99E-18
Overall COPD	BIK	cg26453588	rs5759167	G	T	0.320	0.023	0.490	2.71E-42	-0.002	0.007	0.760	0.048	185.638	TRUE	2.36E-41
Overall COPD	BIK	cg26453588	rs5996265	A	G	0.461	0.049	0.055	3.95E-21	0.019	0.016	0.218	0.023	88.952	TRUE	1.37E-20
Overall COPD	BIK	cg26453588	rs9620115	G	A	0.255	0.033	0.153	1.03E-14	0.002	0.010	0.838	0.016	59.804	TRUE	1.52E-14
Overall COPD	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	0.026	0.007	2.68E-04	0.027	101.937	TRUE	9.73E-23
Overall COPD	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	0.016	0.007	0.032	0.008	29.870	TRUE	1.04E-07
Overall COPD	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	-0.013	0.012	0.297	0.009	33.922	TRUE	9.34E-09
Overall COPD	BLK	cg13440894	rs1478901	C	G	-0.182	0.029	0.268	4.11E-10	0.015	0.008	0.050	0.010	39.039	TRUE	1.00E-09
Overall COPD	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	0.014	0.007	0.053	0.076	306.232	TRUE	1.08E-65
Overall COPD	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	0.016	0.010	0.107	0.048	184.887	TRUE	9.67E-41
Overall COPD	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	0.027	0.010	0.005	0.010	36.822	TRUE	4.13E-09
Overall COPD	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	-0.014	0.008	0.067	0.008	30.918	TRUE	5.54E-08
Overall COPD	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	0.012	0.008	0.134	0.012	43.872	TRUE	7.58E-11
Overall COPD	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	-0.014	0.007	0.059	0.013	48.071	TRUE	1.10E-11
Overall COPD	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	-0.027	0.007	1.87E-04	0.017	62.186	TRUE	2.41E-14
Overall COPD	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	-0.001	0.017	0.958	0.010	37.546	TRUE	1.05E-09
Overall COPD	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	-0.027	0.012	0.028	0.013	47.879	TRUE	1.37E-11
Overall COPD	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	-0.007	0.009	0.448	0.013	47.025	TRUE	1.16E-11
Overall COPD	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	0.027	0.009	0.002	0.017	62.911	TRUE	1.29E-14

Overall COPD	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	0.021	0.008	0.009	0.027	101.312	TRUE	7.09E-23
Overall COPD	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	-0.017	0.008	0.027	0.030	114.133	TRUE	1.09E-25
Overall COPD	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	-0.028	0.008	7.04E-04	0.021	79.694	TRUE	4.06E-18
Overall COPD	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	0.009	0.007	0.207	0.013	50.075	TRUE	3.13E-12
Overall COPD	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	0.012	0.009	0.183	0.012	45.214	TRUE	3.63E-11
Overall COPD	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	0.015	0.009	0.121	0.021	78.194	TRUE	3.24E-18
Overall COPD	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	0.030	0.009	0.001	0.016	61.159	TRUE	3.22E-14
Overall COPD	BLK	cg21175976	rs13264636	G	C	-0.233	0.030	0.204	9.59E-15	-0.005	0.009	0.546	0.016	59.946	TRUE	1.71E-14
Overall COPD	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	-0.027	0.010	0.009	0.011	42.259	TRUE	2.62E-10
Overall COPD	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	0.014	0.007	0.044	0.141	608.856	TRUE	5.17E-126
Overall COPD	BLK	cg21175976	rs2572410	T	A	-0.212	0.026	0.386	1.34E-16	-0.015	0.007	0.048	0.018	68.349	TRUE	5.10E-16
Overall COPD	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	-0.010	0.011	0.365	0.013	48.152	TRUE	7.03E-12
Overall COPD	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	-0.019	0.008	0.015	0.013	49.026	TRUE	8.55E-12
Overall COPD	BLK	cg21175976	rs4455790	C	G	-0.226	0.028	0.262	8.96E-16	-0.019	0.008	0.023	0.017	64.613	TRUE	3.72E-15
Overall COPD	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.024	0.014	0.101	0.012	43.981	TRUE	7.59E-11
Overall COPD	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	-0.007	0.010	0.506	0.012	44.584	TRUE	3.80E-11
Overall COPD	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	-0.016	0.009	0.078	0.010	38.906	TRUE	9.98E-10
Overall COPD	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.017	0.012	0.146	0.010	37.442	TRUE	1.85E-09
Overall COPD	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	0.010	0.009	0.271	0.009	34.590	TRUE	6.81E-09
Overall COPD	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	0.023	0.013	0.065	0.014	53.379	TRUE	7.78E-13
Overall COPD	BLK	cg21175976	rs77613642	G	C	-0.283	0.048	0.072	5.03E-09	-0.021	0.014	0.145	0.009	34.160	TRUE	9.58E-09
Overall COPD	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	-0.022	0.008	0.006	0.023	87.887	TRUE	5.33E-20
Overall COPD	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	0.025	0.009	0.008	0.011	42.145	TRUE	2.80E-10
Overall COPD	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	-0.012	0.009	0.162	0.012	46.067	TRUE	2.44E-11
Overall COPD	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	-0.011	0.008	0.147	0.021	80.540	TRUE	9.68E-19
Overall COPD	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	0.013	0.008	0.081	0.027	102.289	TRUE	2.66E-23
Overall COPD	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	-0.014	0.007	0.059	0.012	43.795	TRUE	9.19E-11
Overall COPD	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	-0.023	0.009	0.008	0.018	66.563	TRUE	1.69E-15
Overall COPD	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	-0.032	0.009	2.01E-04	0.020	75.040	TRUE	4.62E-17
Overall COPD	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	0.009	0.011	0.436	0.024	90.407	TRUE	5.18E-21
Overall COPD	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	-0.019	0.008	0.012	0.313	1684.549	TRUE	<1E-200
Overall COPD	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	-0.018	0.009	0.055	0.027	101.718	TRUE	3.90E-23
Overall COPD	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	0.006	0.010	0.547	0.008	31.632	TRUE	2.55E-08
Overall COPD	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	0.035	0.013	0.008	0.009	31.997	TRUE	4.25E-08
Overall COPD	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	-0.025	0.010	0.010	0.013	50.138	TRUE	5.27E-12
Overall COPD	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	0.006	0.009	0.483	0.014	53.975	TRUE	3.51E-13
Overall COPD	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.019	0.009	0.033	0.026	98.423	TRUE	2.20E-22
Overall COPD	BLK	cg21701351	rs28446662	A	T	-0.199	0.031	0.222	2.44E-10	0.002	0.009	0.780	0.011	40.053	TRUE	3.20E-10
Overall COPD	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	0.008	0.008	0.346	0.033	127.369	TRUE	7.61E-29
Overall COPD	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	0.007	0.008	0.374	0.032	120.724	TRUE	1.89E-27
Overall COPD	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	-0.014	0.010	0.156	0.019	70.592	TRUE	1.28E-16
Overall COPD	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	0.023	0.009	0.016	0.012	45.665	TRUE	4.45E-11

Overall COPD	BLK	cg21701351	rs4455790	C	G	0.290	0.028	0.262	5.83E-25	-0.019	0.008	0.023	0.028	106.407	TRUE	4.92E-24
Overall COPD	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	0.014	0.007	0.049	0.018	67.488	TRUE	7.78E-16
Overall COPD	BLK	cg21701351	rs4841381	G	C	0.258	0.029	0.245	8.55E-19	-0.028	0.008	7.04E-04	0.021	78.327	TRUE	7.90E-18
Overall COPD	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.007	0.012	0.550	0.014	52.465	TRUE	7.13E-13
Overall COPD	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	0.011	0.009	0.220	0.021	77.669	TRUE	3.54E-18
Overall COPD	BLK	cg21701351	rs55718444	C	G	-0.388	0.053	0.064	1.96E-13	0.001	0.013	0.939	0.014	54.016	TRUE	2.61E-13
Overall COPD	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	-0.001	0.014	0.935	0.020	76.906	TRUE	2.83E-18
Overall COPD	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	-0.043	0.018	0.018	0.019	70.382	TRUE	2.27E-16
Overall COPD	BLK	cg21701351	rs58569413	T	G	-0.377	0.056	0.064	1.21E-11	0.018	0.017	0.281	0.012	45.934	TRUE	2.29E-11
Overall COPD	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	0.022	0.009	0.013	0.012	43.998	TRUE	1.05E-10
Overall COPD	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	-0.013	0.008	0.124	0.017	65.111	TRUE	2.04E-15
Overall COPD	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	0.024	0.013	0.063	0.014	52.494	TRUE	1.21E-12
Overall COPD	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	-0.023	0.012	0.055	0.021	79.437	TRUE	2.14E-18
Overall COPD	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	0.023	0.011	0.031	0.018	66.131	TRUE	1.66E-15
Overall COPD	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	-0.024	0.009	0.010	0.027	102.454	TRUE	4.06E-23
Overall COPD	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.015	0.012	0.202	0.011	42.171	TRUE	1.62E-10
Overall COPD	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	-0.018	0.009	0.044	0.032	123.931	TRUE	8.25E-28
Overall COPD	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	-0.019	0.008	0.010	0.044	170.418	TRUE	2.15E-37
Overall COPD	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	-0.007	0.007	0.304	0.012	45.211	TRUE	3.21E-11
Overall COPD	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	0.027	0.008	5.32E-04	0.051	200.249	TRUE	2.79E-43
Overall COPD	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	-0.016	0.011	0.125	0.010	38.234	TRUE	1.28E-09
Overall COPD	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	-0.007	0.007	0.330	0.013	49.589	TRUE	3.53E-12
Overall COPD	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	-0.019	0.010	0.054	0.012	43.132	TRUE	1.30E-10
Overall COPD	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	0.010	0.014	0.470	0.008	30.237	TRUE	5.39E-08
Overall COPD	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	0.010	0.007	0.151	0.010	36.761	TRUE	2.58E-09
Overall COPD	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	0.024	0.009	0.013	0.008	31.210	TRUE	5.95E-08
Overall COPD	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	-0.012	0.007	0.103	0.011	40.072	TRUE	5.31E-10
Overall COPD	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	-0.017	0.009	0.069	0.009	33.408	TRUE	1.58E-08
Overall COPD	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	-0.015	0.011	0.179	0.009	33.283	TRUE	1.43E-08
Overall COPD	BLK	cg24861686	rs77094521	T	A	-0.243	0.044	0.096	3.27E-08	0.014	0.012	0.256	0.008	30.523	TRUE	5.35E-08
Overall COPD	BLK	cg24861686	rs7815495	A	T	0.199	0.032	0.195	2.93E-10	-0.023	0.009	0.012	0.011	39.699	TRUE	8.89E-10
Overall COPD	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	0.010	0.007	0.156	0.011	41.209	TRUE	2.77E-10
Overall COPD	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	0.015	0.007	0.033	0.084	338.185	TRUE	4.06E-72
Overall COPD	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	-0.028	0.007	1.28E-04	0.010	35.609	TRUE	1.07E-08
Overall COPD	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	-0.020	0.007	0.008	0.012	43.482	TRUE	1.45E-10
Overall COPD	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	-0.025	0.010	0.010	0.013	47.868	TRUE	1.61E-11
Overall COPD	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	-0.007	0.008	0.377	0.010	36.675	TRUE	2.20E-09
Overall COPD	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	0.004	0.011	0.679	0.011	40.391	TRUE	2.84E-10
Overall COPD	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	0.023	0.011	0.031	0.025	93.325	TRUE	2.71E-21
Overall COPD	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	-0.022	0.008	0.005	0.016	59.780	TRUE	5.12E-14
Overall COPD	BMF	cg02313495	rs112777220	T	A	-0.437	0.050	0.058	1.09E-18	-0.020	0.015	0.180	0.021	77.848	TRUE	3.44E-18
Overall COPD	BMF	cg02313495	rs34079741	G	A	0.195	0.023	0.453	1.01E-16	0.001	0.007	0.884	0.018	68.914	TRUE	1.57E-16

Overall COPD	BMF	cg02313495	rs34231574	T	C	-1.079	0.015	0.477	<1E-200	-0.016	0.007	0.026	0.570	4905.019	TRUE	<1E-200
Overall COPD	BMF	cg02313495	rs489508	A	G	-0.153	0.024	0.414	1.88E-10	-0.007	0.007	0.312	0.011	40.562	TRUE	3.28E-10
Overall COPD	BMF	cg02313495	rs648289	C	T	0.182	0.024	0.416	3.67E-14	0.005	0.007	0.466	0.015	57.306	TRUE	6.74E-14
Overall COPD	BMF	cg02313495	rs8042947	G	A	-0.175	0.026	0.259	3.87E-11	0.005	0.008	0.538	0.012	43.652	TRUE	5.95E-11
Overall COPD	BMF	cg07712904	rs34245505	G	C	0.184	0.029	0.204	4.17E-10	-0.015	0.009	0.096	0.010	39.008	TRUE	9.12E-10
Overall COPD	BMF	cg07712904	rs3784394	C	T	-0.145	0.023	0.500	3.34E-10	0.012	0.007	0.102	0.011	39.441	TRUE	7.28E-10
Overall COPD	BMF	cg07712904	rs569539	A	G	-0.501	0.025	0.285	4.02E-87	0.011	0.007	0.121	0.096	391.231	TRUE	3.84E-83
Overall COPD	BMF	cg07712904	rs62018159	A	G	0.261	0.029	0.201	3.00E-19	-0.017	0.009	0.049	0.021	80.397	TRUE	1.37E-18
Overall COPD	BMF	cg07887985	rs539846	T	G	0.150	0.024	0.483	2.23E-10	-0.017	0.007	0.015	0.011	40.232	TRUE	6.65E-10
Overall COPD	BMF	cg09587957	rs11631335	A	G	-0.146	0.026	0.299	1.31E-08	-0.014	0.008	0.073	0.009	32.297	TRUE	2.74E-08
Overall COPD	BMF	cg09587957	rs8023845	T	G	0.427	0.029	0.198	2.26E-49	-0.016	0.009	0.056	0.056	218.058	TRUE	1.53E-47
Overall COPD	BMF	cg09749364	rs11637681	G	A	0.177	0.026	0.284	1.11E-11	-0.004	0.008	0.587	0.012	46.091	TRUE	1.70E-11
Overall COPD	BMF	cg17809595	rs569539	A	G	0.155	0.026	0.285	1.32E-09	0.011	0.007	0.121	0.010	36.757	TRUE	2.70E-09
Overall COPD	BMF	cg18494902	rs112777220	T	A	-0.295	0.050	0.058	2.90E-09	-0.020	0.015	0.180	0.009	35.233	TRUE	5.37E-09
Overall COPD	BMF	cg18494902	rs12441486	A	G	0.391	0.065	0.038	1.72E-09	0.002	0.015	0.876	0.010	36.247	TRUE	2.10E-09
Overall COPD	BMF	cg18494902	rs12909145	C	T	0.141	0.024	0.448	2.27E-09	0.002	0.007	0.783	0.010	35.706	TRUE	2.88E-09
Overall COPD	BMF	cg23895262	rs56143280	A	G	0.148	0.026	0.292	6.25E-09	-0.001	0.007	0.889	0.009	33.737	TRUE	7.46E-09
Overall COPD	BMF	cg23895262	rs648289	C	T	0.261	0.024	0.416	7.48E-28	0.005	0.007	0.466	0.031	119.603	TRUE	2.95E-27
Overall COPD	BMF	cg26662201	rs34231574	T	C	-0.149	0.024	0.477	3.38E-10	-0.016	0.007	0.026	0.011	39.419	TRUE	9.16E-10
Overall COPD	BMP4	cg01873886	rs112534797	T	G	0.471	0.059	0.043	1.02E-15	-0.007	0.018	0.710	0.017	64.358	TRUE	1.69E-15
Overall COPD	BMP4	cg01873886	rs8014071	G	A	0.303	0.024	0.396	2.31E-36	0.001	0.007	0.856	0.041	158.495	TRUE	1.13E-35
Overall COPD	BMP4	cg05923197	rs117687204	A	G	-0.179	0.030	0.192	1.51E-09	0.003	0.010	0.750	0.010	36.508	TRUE	1.95E-09
Overall COPD	BMP4	cg05923197	rs12892676	T	C	-0.144	0.025	0.348	1.03E-08	-0.007	0.007	0.343	0.009	32.758	TRUE	1.63E-08
Overall COPD	BMP4	cg05923197	rs7154598	T	C	-0.295	0.024	0.457	1.21E-35	-0.014	0.007	0.044	0.040	155.206	TRUE	2.17E-34
Overall COPD	BMP4	cg05923197	rs74860610	G	A	-0.398	0.060	0.039	2.50E-11	-0.008	0.017	0.631	0.012	44.507	TRUE	3.67E-11
Overall COPD	BMP4	cg05928290	rs74860610	G	A	-0.370	0.060	0.039	5.60E-10	-0.008	0.017	0.631	0.010	38.435	TRUE	7.82E-10
Overall COPD	BMP4	cg05928290	rs75175834	C	T	-0.163	0.030	0.193	3.78E-08	-0.001	0.009	0.935	0.008	30.242	TRUE	4.34E-08
Overall COPD	BMP4	cg08046044	rs112534797	T	G	0.376	0.059	0.043	1.77E-10	-0.007	0.018	0.710	0.011	40.686	TRUE	2.41E-10
Overall COPD	BMP4	cg08046044	rs8014071	G	A	0.214	0.024	0.396	1.22E-18	0.001	0.007	0.856	0.021	77.621	TRUE	2.09E-18
Overall COPD	BMP4	cg09367901	rs942316	A	C	-0.525	0.096	0.034	3.84E-08	0.024	0.019	0.206	0.008	30.212	TRUE	6.54E-08
Overall COPD	BMP4	cg20297199	rs12895262	A	T	0.231	0.042	0.081	4.86E-08	-0.005	0.014	0.726	0.008	29.757	TRUE	6.08E-08
Overall COPD	BMP4	cg24526899	rs7154598	T	C	-0.161	0.024	0.457	1.72E-11	-0.014	0.007	0.044	0.012	45.247	TRUE	4.70E-11
Overall COPD	BMP4	cg24526899	rs75175834	C	T	-0.166	0.030	0.193	1.84E-08	-0.001	0.009	0.935	0.008	31.636	TRUE	2.13E-08
Overall COPD	BNIP3	cg02038273	rs143252467	A	G	0.203	0.032	0.165	1.97E-10	0.007	0.010	0.453	0.011	40.474	TRUE	3.10E-10
Overall COPD	BNIP3	cg02365648	rs10870232	G	T	-0.259	0.027	0.252	4.88E-22	0.008	0.008	0.321	0.025	93.086	TRUE	1.56E-21
Overall COPD	BNIP3	cg02365648	rs10870323	A	G	-0.156	0.026	0.283	2.09E-09	0.007	0.008	0.378	0.010	35.868	TRUE	3.31E-09
Overall COPD	BNIP3	cg02365648	rs11146322	T	C	-0.169	0.026	0.308	3.87E-11	0.013	0.007	0.090	0.012	43.655	TRUE	9.11E-11
Overall COPD	BNIP3	cg02365648	rs117262064	T	G	-1.522	0.064	0.034	2.98E-123	0.025	0.029	0.387	0.131	557.171	TRUE	1.36E-116
Overall COPD	BNIP3	cg02365648	rs12250241	C	T	-0.322	0.045	0.071	1.45E-12	0.012	0.014	0.379	0.013	50.086	TRUE	2.64E-12
Overall COPD	BNIP3	cg02365648	rs145948725	A	C	-0.745	0.064	0.032	1.33E-31	0.065	0.028	0.020	0.036	136.732	TRUE	2.06E-30
Overall COPD	BNIP3	cg02365648	rs2247705	G	A	-0.187	0.031	0.168	1.55E-09	0.001	0.010	0.923	0.010	36.447	TRUE	1.85E-09
Overall COPD	BNIP3	cg02365648	rs67860580	A	G	-0.423	0.037	0.113	6.69E-30	0.006	0.011	0.595	0.034	128.956	TRUE	2.66E-29

Overall COPD	BNIP3	cg02365648	rs72853197	T	G	-0.163	0.025	0.326	8.48E-11	-0.004	0.008	0.606	0.011	42.120	TRUE	1.24E-10
Overall COPD	BNIP3	cg02365648	rs77963347	T	C	-0.755	0.059	0.041	4.39E-38	0.006	0.022	0.789	0.043	166.369	TRUE	2.63E-37
Overall COPD	BNIP3	cg02365648	rs79575145	A	G	-0.337	0.044	0.077	9.88E-15	0.012	0.013	0.350	0.016	59.888	TRUE	2.05E-14
Overall COPD	BNIP3	cg02388416	rs112782563	T	C	-0.461	0.032	0.160	2.21E-48	-0.004	0.010	0.706	0.055	213.518	TRUE	3.59E-47
Overall COPD	BNIP3	cg02388416	rs9419406	C	A	-0.296	0.024	0.440	2.07E-35	0.009	0.007	0.194	0.040	154.140	TRUE	2.15E-34
Overall COPD	BNIP3	cg02835981	rs12784653	C	G	0.228	0.033	0.143	8.17E-12	0.006	0.011	0.581	0.012	46.698	TRUE	1.26E-11
Overall COPD	BNIP3	cg02886408	rs12784653	C	G	0.265	0.033	0.143	2.51E-15	0.006	0.011	0.581	0.017	62.581	TRUE	4.48E-15
Overall COPD	BNIP3	cg02886408	rs72855581	T	A	-0.333	0.032	0.160	1.01E-25	0.000	0.009	0.994	0.029	109.890	TRUE	2.20E-25
Overall COPD	BNIP3	cg05762616	rs4880263	T	C	-0.380	0.027	0.255	4.31E-46	0.007	0.008	0.364	0.052	203.033	TRUE	8.77E-45
Overall COPD	BNIP3	cg09656274	rs4880263	T	C	-0.238	0.027	0.255	4.64E-19	0.007	0.008	0.364	0.021	79.536	TRUE	1.19E-18
Overall COPD	BNIP3	cg12751948	rs143252467	A	G	0.299	0.032	0.165	6.34E-21	0.007	0.010	0.453	0.023	88.017	TRUE	1.66E-20
Overall COPD	BNIP3	cg12751948	rs45474491	T	G	0.773	0.135	0.016	1.04E-08	0.035	0.023	0.135	0.009	32.755	TRUE	1.97E-08
Overall COPD	BNIP3	cg15390444	rs45474491	T	G	0.743	0.135	0.016	3.73E-08	0.035	0.023	0.135	0.008	30.270	TRUE	6.85E-08
Overall COPD	BNIP3	cg15390444	rs45519634	T	C	0.445	0.032	0.162	1.17E-43	0.000	0.009	0.995	0.049	191.893	TRUE	8.98E-43
Overall COPD	BNIP3	cg18477674	rs45519634	T	C	0.384	0.032	0.162	8.69E-33	0.000	0.009	0.995	0.037	142.146	TRUE	2.92E-32
Overall COPD	BNIP3	cg20216030	rs3737058	A	G	0.292	0.024	0.324	6.20E-33	0.016	0.007	0.019	0.037	142.816	TRUE	1.10E-31
Overall COPD	BNIP3	cg20216030	rs45474491	T	G	-0.920	0.135	0.016	8.62E-12	0.035	0.023	0.135	0.012	46.595	TRUE	1.95E-11
Overall COPD	BNIP3	cg21762589	rs3737058	A	G	-0.181	0.025	0.324	4.82E-13	0.016	0.007	0.019	0.014	52.251	TRUE	1.69E-12
Overall COPD	BNIP3	cg23471067	rs45519634	T	C	0.391	0.032	0.162	7.26E-34	0.000	0.009	0.995	0.038	147.075	TRUE	2.62E-33
Overall COPD	BNIP3	cg23606392	rs113614184	T	G	-0.141	0.025	0.333	9.74E-09	0.017	0.007	0.019	0.009	32.875	TRUE	2.48E-08
Overall COPD	BNIP3	cg25123362	rs7079909	T	C	0.343	0.032	0.162	1.34E-26	0.000	0.009	0.997	0.030	113.890	TRUE	3.06E-26
Overall COPD	BNIP3	cg25233900	rs45519634	T	C	0.308	0.032	0.162	1.51E-21	0.000	0.009	0.995	0.024	90.848	TRUE	2.68E-21
Overall COPD	BNIP3L	cg01706566	rs10091096	C	T	-0.440	0.042	0.082	2.98E-25	0.006	0.012	0.611	0.028	107.739	TRUE	8.67E-25
Overall COPD	BNIP3L	cg01706566	rs11781866	C	T	-0.236	0.027	0.341	1.07E-18	0.009	0.007	0.228	0.021	77.893	TRUE	3.13E-18
Overall COPD	BNIP3L	cg01706566	rs12681736	T	G	0.150	0.025	0.413	3.34E-09	0.002	0.007	0.756	0.009	34.957	TRUE	4.27E-09
Overall COPD	BNIP3L	cg01706566	rs2951975	T	C	-0.174	0.032	0.203	3.78E-08	0.009	0.009	0.291	0.008	30.245	TRUE	6.00E-08
Overall COPD	BNIP3L	cg01706566	rs328106	G	A	0.144	0.026	0.406	2.25E-08	0.008	0.007	0.266	0.008	31.249	TRUE	3.68E-08
Overall COPD	BNIP3L	cg01706566	rs35643476	G	C	0.229	0.041	0.101	1.90E-08	0.005	0.010	0.645	0.008	31.581	TRUE	2.49E-08
Overall COPD	BNIP3L	cg01706566	rs3808578	G	A	0.406	0.039	0.129	2.01E-25	-0.009	0.010	0.394	0.029	108.517	TRUE	7.31E-25
Overall COPD	BNIP3L	cg01706566	rs76230997	A	G	-0.980	0.037	0.118	4.43E-153	0.011	0.010	0.276	0.158	694.240	TRUE	3.89E-143
Overall COPD	BNIP3L	cg11498726	rs17401856	T	C	0.277	0.043	0.245	1.20E-10	-0.006	0.009	0.530	0.011	41.445	TRUE	1.82E-10
Overall COPD	BNIP3L	cg11498726	rs328106	G	A	0.152	0.026	0.406	3.70E-09	0.008	0.007	0.266	0.009	34.754	TRUE	6.30E-09
Overall COPD	BNIP3L	cg11498726	rs4545109	A	C	-0.288	0.031	0.202	4.18E-20	-0.005	0.009	0.553	0.022	84.289	TRUE	9.58E-20
Overall COPD	BNIP3L	cg11498726	rs4872426	C	T	-0.213	0.036	0.149	2.84E-09	0.001	0.009	0.945	0.009	35.270	TRUE	3.34E-09
Overall COPD	BNIP3L	cg11498726	rs7813520	C	T	0.519	0.027	0.299	6.69E-82	0.004	0.008	0.651	0.090	367.263	TRUE	7.91E-79
Overall COPD	BNIP3L	cg13160058	rs10282829	A	G	0.229	0.033	0.187	4.15E-12	0.006	0.009	0.505	0.013	48.029	TRUE	6.76E-12
Overall COPD	BNIP3L	cg13160058	rs1122215	G	A	0.178	0.032	0.169	1.75E-08	-0.009	0.009	0.342	0.009	31.732	TRUE	2.73E-08
Overall COPD	BNIP3L	cg13160058	rs12547803	C	T	-0.246	0.030	0.244	1.21E-16	-0.013	0.008	0.116	0.018	68.556	TRUE	3.78E-16
Overall COPD	BNIP3L	cg13160058	rs17055069	T	C	-0.233	0.041	0.099	1.63E-08	0.008	0.011	0.453	0.009	31.869	TRUE	2.38E-08
Overall COPD	BNIP3L	cg13160058	rs17401856	T	C	0.279	0.043	0.245	9.19E-11	-0.006	0.009	0.530	0.011	41.965	TRUE	1.40E-10
Overall COPD	BNIP3L	cg13160058	rs2086588	T	C	0.489	0.058	0.049	2.98E-17	0.029	0.015	0.059	0.019	71.321	TRUE	1.13E-16
Overall COPD	BNIP3L	cg13160058	rs35665474	G	C	0.363	0.029	0.252	9.22E-36	0.005	0.008	0.586	0.040	155.745	TRUE	5.66E-35

Overall COPD	BNIP3L	cg13160058	rs35892365	T	C	-0.299	0.030	0.236	3.66E-24	-0.011	0.008	0.166	0.027	102.772	TRUE	1.69E-23
Overall COPD	BNIP3L	cg13160058	rs76230997	A	G	-0.688	0.038	0.118	1.01E-71	0.011	0.010	0.276	0.080	320.553	TRUE	5.30E-69
Overall COPD	BNIP3L	cg13160058	rs77752269	A	G	0.415	0.071	0.027	4.42E-09	-0.038	0.022	0.083	0.009	34.409	TRUE	9.32E-09
Overall COPD	BNIP3L	cg13160058	rs9314323	A	G	0.886	0.023	0.305	<1E-200	0.006	0.007	0.390	0.285	1473.099	TRUE	3.97E-285
Overall COPD	BNIP3L	cg13516551	rs149239582	C	G	0.818	0.115	0.011	1.09E-12	-0.011	0.033	0.732	0.014	50.645	TRUE	1.59E-12
Overall COPD	BNIP3L	cg13516551	rs200329190	T	C	0.926	0.074	0.028	1.06E-35	-0.045	0.021	0.032	0.040	155.463	TRUE	2.10E-34
Overall COPD	BNIP3L	cg15157360	rs11775859	T	G	0.197	0.035	0.133	1.16E-08	-0.019	0.010	0.061	0.009	32.528	TRUE	2.51E-08
Overall COPD	BNIP3L	cg15157360	rs149239582	C	G	1.232	0.114	0.011	4.18E-27	-0.011	0.033	0.732	0.030	116.192	TRUE	1.23E-26
Overall COPD	BNIP3L	cg15157360	rs202122109	G	A	1.440	0.071	0.030	2.79E-92	-0.043	0.020	0.033	0.101	414.911	TRUE	1.31E-87
Overall COPD	BNIP3L	cg15157360	rs73564657	C	T	-0.282	0.039	0.119	6.38E-13	0.010	0.010	0.346	0.014	51.700	TRUE	1.21E-12
Overall COPD	BRSK2	cg00370047	rs11606628	T	C	0.159	0.026	0.278	8.44E-10	0.013	0.008	0.122	0.010	37.637	TRUE	1.73E-09
Overall COPD	BRSK2	cg00370047	rs117107041	A	G	0.328	0.051	0.053	1.45E-10	0.014	0.015	0.360	0.011	41.070	TRUE	2.45E-10
Overall COPD	BRSK2	cg00370047	rs66658795	T	C	-0.212	0.023	0.445	1.50E-19	-0.005	0.007	0.467	0.022	81.766	TRUE	3.59E-19
Overall COPD	BRSK2	cg00370047	rs7395006	C	T	0.164	0.024	0.387	1.12E-11	-0.008	0.007	0.255	0.012	46.074	TRUE	2.18E-11
Overall COPD	BRSK2	cg00370047	rs7932863	A	G	0.396	0.026	0.270	1.05E-51	0.007	0.008	0.382	0.058	228.741	TRUE	3.72E-50
Overall COPD	BRSK2	cg00370047	rs7944761	C	T	-0.152	0.024	0.461	1.32E-10	-0.015	0.007	0.037	0.011	41.254	TRUE	3.50E-10
Overall COPD	BRSK2	cg01122627	rs10768578	T	C	0.291	0.034	0.145	5.37E-18	-0.006	0.010	0.520	0.020	74.699	TRUE	1.14E-17
Overall COPD	BRSK2	cg01122627	rs117107041	A	G	0.337	0.051	0.053	5.54E-11	0.014	0.015	0.360	0.011	42.953	TRUE	9.53E-11
Overall COPD	BRSK2	cg01122627	rs12284984	A	G	-0.207	0.029	0.203	7.86E-13	-0.007	0.008	0.395	0.014	51.289	TRUE	1.43E-12
Overall COPD	BRSK2	cg01122627	rs150353929	T	C	0.204	0.035	0.131	7.45E-09	-0.016	0.013	0.235	0.009	33.396	TRUE	1.28E-08
Overall COPD	BRSK2	cg01122627	rs4072884	C	T	0.428	0.024	0.405	1.32E-73	-0.017	0.007	0.016	0.082	329.188	TRUE	3.72E-70
Overall COPD	BRSK2	cg01122627	rs7110854	T	C	0.230	0.031	0.171	2.61E-13	0.006	0.009	0.478	0.014	53.456	TRUE	4.56E-13
Overall COPD	BRSK2	cg01122627	rs72847939	T	C	-0.476	0.081	0.017	3.87E-09	0.002	0.027	0.947	0.009	34.670	TRUE	4.52E-09
Overall COPD	BRSK2	cg01122627	rs7395567	T	C	0.285	0.027	0.266	7.86E-27	0.007	0.008	0.382	0.030	114.940	TRUE	3.18E-26
Overall COPD	BRSK2	cg01122627	rs9651638	G	A	0.209	0.026	0.285	9.79E-16	-0.012	0.008	0.113	0.017	64.438	TRUE	2.91E-15
Overall COPD	BRSK2	cg01468621	rs7395567	T	C	-0.150	0.027	0.266	1.82E-08	0.007	0.008	0.382	0.008	31.657	TRUE	2.76E-08
Overall COPD	BRSK2	cg01660630	rs10734285	A	C	-0.252	0.031	0.172	6.56E-16	0.007	0.009	0.466	0.017	65.226	TRUE	1.31E-15
Overall COPD	BRSK2	cg01660630	rs10837858	A	G	0.297	0.053	0.051	2.21E-08	0.004	0.015	0.786	0.008	31.288	TRUE	2.71E-08
Overall COPD	BRSK2	cg01660630	rs113008778	T	C	-0.361	0.064	0.066	1.87E-08	0.060	0.027	0.027	0.008	31.611	TRUE	4.44E-08
Overall COPD	BRSK2	cg01660630	rs11599943	T	C	0.566	0.066	0.031	1.23E-17	0.005	0.019	0.812	0.019	73.063	TRUE	2.08E-17
Overall COPD	BRSK2	cg01660630	rs11604075	T	C	0.312	0.026	0.285	4.29E-34	0.016	0.007	0.034	0.039	148.119	TRUE	7.19E-33
Overall COPD	BRSK2	cg01660630	rs117654829	T	A	0.771	0.098	0.038	3.57E-15	0.034	0.030	0.249	0.016	61.892	TRUE	8.37E-15
Overall COPD	BRSK2	cg01660630	rs12286473	G	A	-0.227	0.040	0.176	1.83E-08	0.018	0.011	0.120	0.008	31.651	TRUE	3.49E-08
Overall COPD	BRSK2	cg01660630	rs34666042	T	C	0.301	0.032	0.164	1.17E-21	-0.012	0.010	0.215	0.024	91.355	TRUE	4.21E-21
Overall COPD	BRSK2	cg01660630	rs3793964	T	C	-0.348	0.024	0.368	2.69E-47	0.000	0.007	0.988	0.053	208.547	TRUE	2.89E-46
Overall COPD	BRSK2	cg01660630	rs4881724	A	G	-0.320	0.037	0.116	3.92E-18	-0.016	0.011	0.130	0.020	75.319	TRUE	1.31E-17
Overall COPD	BRSK2	cg01660630	rs66496921	C	G	-0.157	0.024	0.405	8.40E-11	-0.019	0.007	0.009	0.011	42.140	TRUE	2.76E-10
Overall COPD	BRSK2	cg01660630	rs7395006	C	T	0.257	0.024	0.387	3.11E-26	-0.008	0.007	0.255	0.029	112.213	TRUE	1.43E-25
Overall COPD	BRSK2	cg01660630	rs7395567	T	C	0.892	0.024	0.266	5.26E-290	0.007	0.008	0.382	0.264	1323.821	TRUE	4.11E-259
Overall COPD	BRSK2	cg01660630	rs7479551	T	A	0.143	0.025	0.342	9.93E-09	-0.016	0.008	0.033	0.009	32.837	TRUE	2.35E-08
Overall COPD	BRSK2	cg01660630	rs77338313	A	G	0.755	0.101	0.031	9.03E-14	-0.018	0.025	0.465	0.015	55.537	TRUE	1.63E-13
Overall COPD	BRSK2	cg01758799	rs11245968	G	A	0.147	0.025	0.341	5.19E-09	-0.016	0.008	0.032	0.009	34.097	TRUE	1.26E-08

Overall COPD	BRSK2	cg01758799	rs11608241	T	C	0.538	0.092	0.019	4.23E-09	0.028	0.026	0.270	0.009	34.498	TRUE	7.14E-09
Overall COPD	BRSK2	cg01758799	rs116987758	A	G	0.491	0.089	0.018	3.06E-08	-0.018	0.021	0.388	0.008	30.651	TRUE	4.58E-08
Overall COPD	BRSK2	cg01758799	rs12280761	C	T	0.254	0.029	0.201	4.85E-18	-0.020	0.008	0.016	0.020	74.901	TRUE	2.55E-17
Overall COPD	BRSK2	cg01758799	rs12289734	T	C	0.228	0.029	0.199	7.56E-15	0.010	0.009	0.233	0.016	60.414	TRUE	1.78E-14
Overall COPD	BRSK2	cg01758799	rs1574122	T	C	-0.281	0.030	0.187	4.33E-21	-0.006	0.008	0.486	0.023	88.767	TRUE	1.11E-20
Overall COPD	BRSK2	cg01758799	rs2004828	C	T	0.308	0.024	0.398	2.07E-37	0.017	0.007	0.019	0.042	163.285	TRUE	5.60E-36
Overall COPD	BRSK2	cg01758799	rs28728088	T	C	0.158	0.029	0.208	3.44E-08	-0.018	0.009	0.044	0.008	30.423	TRUE	7.54E-08
Overall COPD	BRSK2	cg01758799	rs3817589	A	G	-0.397	0.031	0.171	7.78E-37	0.011	0.009	0.221	0.042	160.657	TRUE	8.65E-36
Overall COPD	BRSK2	cg01758799	rs55744154	G	A	-0.315	0.044	0.144	1.40E-12	-0.023	0.010	0.020	0.013	50.161	TRUE	4.68E-12
Overall COPD	BRSK2	cg01758799	rs55910218	T	C	0.606	0.072	0.027	3.78E-17	-0.007	0.020	0.750	0.019	70.848	TRUE	6.51E-17
Overall COPD	BRSK2	cg01758799	rs60707923	A	G	-0.373	0.026	0.260	4.26E-45	-0.003	0.008	0.689	0.051	198.473	TRUE	5.16E-44
Overall COPD	BRSK2	cg01758799	rs6578810	G	T	-0.312	0.044	0.080	2.01E-12	0.001	0.012	0.933	0.013	49.452	TRUE	2.59E-12
Overall COPD	BRSK2	cg01758799	rs7128873	G	A	0.857	0.021	0.347	<1E-200	-0.004	0.007	0.615	0.313	1686.370	TRUE	<1E-200
Overall COPD	BRSK2	cg01758799	rs7395006	C	T	0.359	0.024	0.387	3.40E-50	-0.008	0.007	0.255	0.057	221.828	TRUE	1.29E-48
Overall COPD	BRSK2	cg01758799	rs74046935	G	A	-0.321	0.025	0.297	2.46E-36	-0.013	0.008	0.082	0.041	158.372	TRUE	3.83E-35
Overall COPD	BRSK2	cg01758799	rs77338313	A	G	0.767	0.101	0.031	3.56E-14	-0.018	0.025	0.465	0.015	57.365	TRUE	6.55E-14
Overall COPD	BRSK2	cg01758799	rs78131782	C	T	0.696	0.108	0.031	1.18E-10	0.003	0.030	0.914	0.011	41.476	TRUE	1.46E-10
Overall COPD	BRSK2	cg02030652	rs10832955	T	C	0.291	0.024	0.368	1.33E-33	-0.011	0.007	0.122	0.038	145.870	TRUE	1.42E-32
Overall COPD	BRSK2	cg02030652	rs11029977	T	C	0.205	0.024	0.389	1.52E-17	-0.018	0.007	0.009	0.019	72.644	TRUE	8.55E-17
Overall COPD	BRSK2	cg02030652	rs11603080	A	C	-0.296	0.054	0.048	4.26E-08	0.006	0.016	0.715	0.008	30.013	TRUE	5.36E-08
Overall COPD	BRSK2	cg02030652	rs117107041	A	G	-0.455	0.051	0.053	5.92E-19	0.014	0.015	0.360	0.021	79.053	TRUE	1.52E-18
Overall COPD	BRSK2	cg02030652	rs12808343	G	A	0.211	0.028	0.235	5.85E-14	0.014	0.008	0.088	0.015	56.391	TRUE	1.65E-13
Overall COPD	BRSK2	cg02030652	rs145553613	C	T	-0.676	0.107	0.031	2.52E-10	0.071	0.037	0.057	0.011	39.993	TRUE	6.12E-10
Overall COPD	BRSK2	cg02030652	rs34666042	T	C	-0.204	0.032	0.164	9.86E-11	-0.012	0.010	0.215	0.011	41.826	TRUE	1.90E-10
Overall COPD	BRSK2	cg02030652	rs34739266	A	G	0.252	0.043	0.149	4.54E-09	0.020	0.012	0.088	0.009	34.357	TRUE	9.48E-09
Overall COPD	BRSK2	cg02030652	rs7395006	C	T	-0.249	0.024	0.387	1.07E-24	-0.008	0.007	0.255	0.028	105.200	TRUE	4.43E-24
Overall COPD	BRSK2	cg02030652	rs7395567	T	C	-0.789	0.025	0.266	5.31E-218	0.007	0.008	0.382	0.212	992.697	TRUE	1.67E-199
Overall COPD	BRSK2	cg02030652	rs77338313	A	G	-0.723	0.101	0.031	9.78E-13	-0.018	0.025	0.465	0.014	50.859	TRUE	1.69E-12
Overall COPD	BRSK2	cg02030652	rs78131782	C	T	-0.666	0.108	0.031	7.28E-10	0.003	0.030	0.914	0.010	37.925	TRUE	8.80E-10
Overall COPD	BRSK2	cg02282118	rs115584864	C	G	0.376	0.026	0.273	7.57E-48	-0.014	0.008	0.090	0.054	211.072	TRUE	3.59E-46
Overall COPD	BRSK2	cg02282118	rs11599943	T	C	0.463	0.066	0.031	2.97E-12	0.005	0.019	0.812	0.013	48.682	TRUE	4.07E-12
Overall COPD	BRSK2	cg02282118	rs117431642	T	C	-0.736	0.109	0.026	1.57E-11	-0.019	0.027	0.475	0.012	45.419	TRUE	2.55E-11
Overall COPD	BRSK2	cg02282118	rs12786504	A	G	0.197	0.034	0.138	8.84E-09	0.006	0.010	0.592	0.009	33.062	TRUE	1.21E-08
Overall COPD	BRSK2	cg02282118	rs1317780	G	C	0.257	0.028	0.225	1.69E-19	0.009	0.008	0.231	0.022	81.532	TRUE	5.19E-19
Overall COPD	BRSK2	cg02282118	rs145553613	C	T	-0.866	0.106	0.031	3.87E-16	0.071	0.037	0.057	0.018	66.267	TRUE	1.38E-15
Overall COPD	BRSK2	cg02282118	rs1973846	T	C	0.332	0.028	0.241	2.62E-33	-0.016	0.012	0.164	0.038	144.524	TRUE	2.44E-32
Overall COPD	BRSK2	cg02282118	rs2176025	T	A	-0.249	0.025	0.316	1.62E-22	-0.006	0.007	0.417	0.025	95.274	TRUE	4.79E-22
Overall COPD	BRSK2	cg02282118	rs3750920	T	C	-0.205	0.024	0.431	1.04E-17	0.007	0.007	0.304	0.019	73.396	TRUE	2.64E-17
Overall COPD	BRSK2	cg02282118	rs55910218	T	C	-0.558	0.072	0.027	8.80E-15	-0.007	0.020	0.750	0.016	60.115	TRUE	1.37E-14
Overall COPD	BRSK2	cg02282118	rs60707923	A	G	0.325	0.027	0.260	2.47E-34	-0.003	0.008	0.689	0.039	149.213	TRUE	1.23E-33
Overall COPD	BRSK2	cg02282118	rs61867617	A	G	-1.117	0.022	0.203	<1E-200	0.006	0.008	0.488	0.413	2601.854	TRUE	<1E-200
Overall COPD	BRSK2	cg02282118	rs6578589	A	C	-0.225	0.024	0.476	2.03E-21	0.021	0.007	0.003	0.024	90.265	TRUE	1.92E-20

Overall COPD	BRSK2	cg02282118	rs77672898	A	G	0.360	0.060	0.076	1.39E-09	0.012	0.013	0.326	0.010	36.663	TRUE	2.30E-09
Overall COPD	BRSK2	cg02282118	rs78131782	C	T	-0.765	0.108	0.031	1.29E-12	0.003	0.030	0.914	0.013	50.316	TRUE	1.70E-12
Overall COPD	BRSK2	cg02282118	rs79349719	A	G	0.266	0.044	0.074	1.91E-09	-0.012	0.013	0.355	0.010	36.047	TRUE	3.07E-09
Overall COPD	BRSK2	cg02282118	rs7935124	A	G	0.224	0.033	0.152	1.54E-11	-0.004	0.009	0.706	0.012	45.454	TRUE	2.19E-11
Overall COPD	BRSK2	cg02282118	rs7941388	A	T	0.259	0.033	0.364	2.60E-15	-0.022	0.011	0.056	0.017	62.514	TRUE	8.77E-15
Overall COPD	BRSK2	cg02282118	rs968592	A	G	0.200	0.032	0.159	6.54E-10	-0.011	0.009	0.207	0.010	38.131	TRUE	1.22E-09
Overall COPD	BRSK2	cg03156651	rs7395567	T	C	0.241	0.026	0.266	4.07E-20	0.007	0.008	0.382	0.022	84.340	TRUE	1.09E-19
Overall COPD	BRSK2	cg03267026	rs11023590	C	T	0.197	0.024	0.413	1.19E-16	-0.014	0.007	0.047	0.018	68.581	TRUE	4.58E-16
Overall COPD	BRSK2	cg03267026	rs1574122	T	C	-0.174	0.030	0.187	6.49E-09	-0.006	0.008	0.486	0.009	33.664	TRUE	9.42E-09
Overall COPD	BRSK2	cg03553914	rs10751641	T	G	0.143	0.025	0.325	1.67E-08	-0.013	0.007	0.069	0.009	31.830	TRUE	3.49E-08
Overall COPD	BRSK2	cg03553914	rs10766282	T	A	0.546	0.061	0.046	2.34E-19	0.010	0.020	0.627	0.021	80.884	TRUE	4.87E-19
Overall COPD	BRSK2	cg03553914	rs11028931	G	A	0.400	0.024	0.349	5.32E-61	0.019	0.007	0.010	0.068	271.362	TRUE	2.78E-58
Overall COPD	BRSK2	cg03553914	rs11035302	C	A	-0.241	0.025	0.313	3.83E-21	-0.017	0.007	0.023	0.023	89.012	TRUE	2.38E-20
Overall COPD	BRSK2	cg03553914	rs117107041	A	G	0.504	0.051	0.053	8.11E-23	0.014	0.015	0.360	0.025	96.637	TRUE	2.60E-22
Overall COPD	BRSK2	cg03553914	rs12146475	T	G	0.332	0.053	0.052	3.53E-10	0.004	0.015	0.786	0.011	39.333	TRUE	4.59E-10
Overall COPD	BRSK2	cg03553914	rs145553613	C	T	0.710	0.107	0.031	2.86E-11	0.071	0.037	0.057	0.012	44.249	TRUE	7.37E-11
Overall COPD	BRSK2	cg03553914	rs34666042	T	C	0.298	0.032	0.164	2.93E-21	-0.012	0.010	0.215	0.024	89.540	TRUE	1.03E-20
Overall COPD	BRSK2	cg03553914	rs3793964	T	C	-0.383	0.024	0.368	2.54E-57	0.000	0.007	0.988	0.064	254.493	TRUE	7.50E-56
Overall COPD	BRSK2	cg03553914	rs5743915	A	G	0.164	0.024	0.415	5.27E-12	0.011	0.007	0.123	0.013	47.558	TRUE	1.23E-11
Overall COPD	BRSK2	cg03553914	rs66496921	C	G	-0.160	0.024	0.405	3.92E-11	-0.019	0.007	0.009	0.012	43.629	TRUE	1.32E-10
Overall COPD	BRSK2	cg03553914	rs7118474	G	A	-0.234	0.030	0.194	6.40E-15	-0.015	0.009	0.080	0.016	60.743	TRUE	1.95E-14
Overall COPD	BRSK2	cg03553914	rs7395006	C	T	0.344	0.024	0.387	3.92E-46	-0.008	0.007	0.255	0.052	203.221	TRUE	9.71E-45
Overall COPD	BRSK2	cg03553914	rs76324386	T	C	-0.313	0.046	0.072	7.22E-12	0.028	0.013	0.032	0.013	46.941	TRUE	2.14E-11
Overall COPD	BRSK2	cg03553914	rs77338313	A	G	0.810	0.101	0.031	1.21E-15	-0.018	0.025	0.465	0.017	64.015	TRUE	2.39E-15
Overall COPD	BRSK2	cg03695103	rs12788273	A	G	0.289	0.026	0.277	2.91E-28	0.013	0.019	0.469	0.032	121.473	TRUE	1.18E-27
Overall COPD	BRSK2	cg03695103	rs66658795	T	C	-0.130	0.024	0.445	3.16E-08	-0.005	0.007	0.467	0.008	30.592	TRUE	4.51E-08
Overall COPD	BRSK2	cg03817164	rs56225362	C	T	-0.359	0.049	0.071	1.33E-13	-0.015	0.013	0.260	0.015	54.777	TRUE	2.84E-13
Overall COPD	BRSK2	cg03817164	rs7931497	C	G	-0.955	0.055	0.049	2.73E-67	0.010	0.016	0.514	0.075	300.214	TRUE	4.99E-65
Overall COPD	BRSK2	cg03817164	rs7944761	C	T	-0.169	0.024	0.461	1.31E-12	-0.015	0.007	0.037	0.013	50.280	TRUE	3.99E-12
Overall COPD	BRSK2	cg03817794	rs11028763	C	T	-0.463	0.024	0.359	5.53E-83	-0.017	0.007	0.021	0.091	372.229	TRUE	6.28E-79
Overall COPD	BRSK2	cg03817794	rs11036555	C	T	-0.168	0.026	0.285	2.03E-10	-0.020	0.007	0.006	0.011	40.417	TRUE	6.74E-10
Overall COPD	BRSK2	cg03817794	rs113008778	T	C	-0.406	0.064	0.066	2.19E-10	0.060	0.027	0.027	0.011	40.267	TRUE	5.98E-10
Overall COPD	BRSK2	cg03817794	rs11599943	T	C	0.498	0.066	0.031	5.82E-14	0.005	0.019	0.812	0.015	56.401	TRUE	8.48E-14
Overall COPD	BRSK2	cg03817794	rs145553613	C	T	0.709	0.107	0.031	3.06E-11	0.071	0.037	0.057	0.012	44.116	TRUE	7.88E-11
Overall COPD	BRSK2	cg03817794	rs34666042	T	C	0.215	0.032	0.164	9.08E-12	-0.012	0.010	0.215	0.012	46.491	TRUE	1.85E-11
Overall COPD	BRSK2	cg03817794	rs3793964	T	C	-0.204	0.024	0.368	4.70E-17	0.000	0.007	0.988	0.019	70.420	TRUE	6.92E-17
Overall COPD	BRSK2	cg03817794	rs61082503	T	G	-0.235	0.024	0.464	1.06E-22	0.013	0.010	0.225	0.025	96.104	TRUE	4.02E-22
Overall COPD	BRSK2	cg03817794	rs7395006	C	T	0.243	0.024	0.387	1.14E-23	-0.008	0.007	0.255	0.026	100.513	TRUE	4.42E-23
Overall COPD	BRSK2	cg03817794	rs7395567	T	C	0.621	0.026	0.266	5.18E-128	0.007	0.008	0.382	0.135	579.043	TRUE	6.95E-121
Overall COPD	BRSK2	cg03817794	rs79823788	A	G	-0.351	0.053	0.048	5.08E-11	-0.004	0.017	0.828	0.012	43.123	TRUE	6.63E-11
Overall COPD	BRSK2	cg03817794	rs79956640	G	A	-0.453	0.082	0.022	4.01E-08	-0.022	0.021	0.286	0.008	30.128	TRUE	6.39E-08
Overall COPD	BRSK2	cg03817794	rs9651637	G	A	-0.190	0.026	0.284	3.42E-13	-0.011	0.007	0.125	0.014	52.923	TRUE	8.51E-13

Overall COPD	BRSK2	cg03817794	rs9651643	T	C	-0.234	0.024	0.445	2.07E-23	-0.005	0.007	0.467	0.026	99.336	TRUE	6.18E-23
Overall COPD	BRSK2	cg04527071	rs60707923	A	G	-0.208	0.026	0.260	3.66E-15	-0.003	0.008	0.689	0.016	61.844	TRUE	6.02E-15
Overall COPD	BRSK2	cg04527071	rs7932863	A	G	0.199	0.026	0.270	3.20E-14	0.007	0.008	0.382	0.015	57.579	TRUE	6.28E-14
Overall COPD	BRSK2	cg04737185	rs10837893	T	C	-0.195	0.035	0.131	3.64E-08	-0.016	0.010	0.112	0.008	30.314	TRUE	6.92E-08
Overall COPD	BRSK2	cg04737185	rs11025835	G	A	0.360	0.054	0.058	3.00E-11	-0.001	0.016	0.942	0.012	44.151	TRUE	3.73E-11
Overall COPD	BRSK2	cg04737185	rs117872975	G	A	-0.421	0.049	0.065	5.85E-18	-0.009	0.014	0.539	0.020	74.531	TRUE	1.22E-17
Overall COPD	BRSK2	cg04737185	rs149744898	G	C	0.437	0.078	0.024	1.81E-08	0.002	0.018	0.921	0.008	31.670	TRUE	2.11E-08
Overall COPD	BRSK2	cg04737185	rs28540254	G	A	0.458	0.024	0.337	1.96E-79	-0.006	0.009	0.487	0.088	355.933	TRUE	2.09E-76
Overall COPD	BRSK2	cg04737185	rs5743987	T	C	0.328	0.049	0.071	2.31E-11	-0.012	0.013	0.374	0.012	44.664	TRUE	4.00E-11
Overall COPD	BRSK2	cg04737185	rs5744002	C	T	-0.200	0.024	0.427	1.99E-17	-0.005	0.007	0.492	0.019	72.119	TRUE	4.17E-17
Overall COPD	BRSK2	cg04737185	rs57958928	C	T	0.159	0.028	0.229	2.03E-08	-0.007	0.011	0.544	0.008	31.451	TRUE	2.80E-08
Overall COPD	BRSK2	cg04737185	rs58514600	T	C	0.401	0.041	0.089	6.38E-23	-0.028	0.014	0.039	0.026	97.111	TRUE	4.03E-22
Overall COPD	BRSK2	cg04737185	rs61867510	G	C	-0.176	0.024	0.400	2.48E-13	-0.016	0.007	0.022	0.014	53.556	TRUE	8.63E-13
Overall COPD	BRSK2	cg04984852	rs10766282	T	A	0.393	0.061	0.046	1.04E-10	0.010	0.020	0.627	0.011	41.730	TRUE	1.49E-10
Overall COPD	BRSK2	cg04984852	rs11599943	T	C	0.387	0.066	0.031	5.02E-09	0.005	0.019	0.812	0.009	34.164	TRUE	6.22E-09
Overall COPD	BRSK2	cg04984852	rs11604075	T	C	0.253	0.026	0.285	5.38E-23	0.016	0.007	0.034	0.026	97.448	TRUE	3.53E-22
Overall COPD	BRSK2	cg04984852	rs1574122	T	C	-0.206	0.030	0.187	4.46E-12	-0.006	0.008	0.486	0.013	47.886	TRUE	7.36E-12
Overall COPD	BRSK2	cg04984852	rs34666042	T	C	0.201	0.032	0.164	1.96E-10	-0.012	0.010	0.215	0.011	40.487	TRUE	3.72E-10
Overall COPD	BRSK2	cg04984852	rs3793964	T	C	-0.227	0.024	0.368	8.10E-21	0.000	0.007	0.988	0.023	87.531	TRUE	1.40E-20
Overall COPD	BRSK2	cg04984852	rs7395006	C	T	0.192	0.024	0.387	2.63E-15	-0.008	0.007	0.255	0.017	62.490	TRUE	6.17E-15
Overall COPD	BRSK2	cg04984852	rs7395567	T	C	0.587	0.026	0.266	4.66E-114	0.007	0.008	0.382	0.122	514.936	TRUE	3.03E-108
Overall COPD	BRSK2	cg05516327	rs11029038	A	C	-0.211	0.025	0.322	8.31E-17	-0.012	0.008	0.129	0.018	69.296	TRUE	2.56E-16
Overall COPD	BRSK2	cg05516327	rs1109746	T	C	-0.340	0.023	0.456	1.96E-48	-0.009	0.007	0.214	0.055	213.764	TRUE	6.72E-47
Overall COPD	BRSK2	cg05516327	rs12788273	A	G	0.162	0.026	0.277	8.50E-10	0.013	0.019	0.469	0.010	37.621	TRUE	1.29E-09
Overall COPD	BRSK2	cg05516327	rs1973846	T	C	-0.239	0.028	0.241	5.87E-18	-0.016	0.012	0.164	0.020	74.524	TRUE	1.82E-17
Overall COPD	BRSK2	cg05516327	rs2943521	A	G	-0.173	0.024	0.439	2.50E-13	-0.009	0.008	0.274	0.014	53.534	TRUE	5.19E-13
Overall COPD	BRSK2	cg05516327	rs60078451	A	T	0.279	0.049	0.065	1.69E-08	0.020	0.013	0.122	0.009	31.801	TRUE	3.23E-08
Overall COPD	BRSK2	cg05516327	rs61867592	A	G	0.343	0.052	0.098	3.94E-11	0.025	0.013	0.051	0.012	43.618	TRUE	1.03E-10
Overall COPD	BRSK2	cg05516327	rs72847939	T	C	0.563	0.081	0.017	2.82E-12	0.002	0.027	0.947	0.013	48.781	TRUE	3.61E-12
Overall COPD	BRSK2	cg05516327	rs7944983	A	G	0.275	0.044	0.077	3.63E-10	-0.014	0.013	0.266	0.011	39.281	TRUE	6.48E-10
Overall COPD	BRSK2	cg06300961	rs7395567	T	C	0.279	0.026	0.266	6.23E-26	0.007	0.008	0.382	0.029	110.838	TRUE	2.37E-25
Overall COPD	BRSK2	cg06787104	rs10766282	T	A	0.622	0.061	0.046	9.38E-25	0.010	0.020	0.627	0.028	105.467	TRUE	2.61E-24
Overall COPD	BRSK2	cg06787104	rs115584864	C	G	-0.330	0.026	0.273	9.02E-37	-0.014	0.008	0.090	0.042	160.363	TRUE	1.42E-35
Overall COPD	BRSK2	cg06787104	rs11604075	T	C	0.201	0.026	0.285	6.62E-15	0.016	0.007	0.034	0.016	60.675	TRUE	2.40E-14
Overall COPD	BRSK2	cg06787104	rs117017076	G	C	-0.287	0.042	0.091	5.39E-12	-0.022	0.011	0.060	0.013	47.512	TRUE	1.45E-11
Overall COPD	BRSK2	cg06787104	rs117107041	A	G	0.483	0.051	0.053	4.56E-21	0.014	0.015	0.360	0.023	88.665	TRUE	1.32E-20
Overall COPD	BRSK2	cg06787104	rs34666042	T	C	0.263	0.032	0.164	8.68E-17	-0.012	0.010	0.215	0.018	69.212	TRUE	2.32E-16
Overall COPD	BRSK2	cg06787104	rs73407443	T	C	-0.270	0.048	0.063	2.42E-08	-0.025	0.013	0.068	0.008	31.108	TRUE	5.03E-08
Overall COPD	BRSK2	cg06787104	rs7395006	C	T	0.202	0.024	0.387	9.25E-17	-0.008	0.007	0.255	0.018	69.087	TRUE	2.35E-16
Overall COPD	BRSK2	cg06787104	rs77338313	A	G	0.571	0.102	0.031	1.97E-08	-0.018	0.025	0.465	0.008	31.507	TRUE	2.84E-08
Overall COPD	BRSK2	cg06787104	rs7932863	A	G	0.825	0.025	0.270	1.12E-243	0.007	0.008	0.382	0.231	1110.767	TRUE	4.45E-221
Overall COPD	BRSK2	cg06812836	rs10832955	T	C	-0.407	0.024	0.368	8.49E-65	-0.011	0.007	0.122	0.072	288.779	TRUE	2.74E-62

Overall COPD	BRSK2	cg06812836	rs117107041	A	G	0.589	0.051	0.053	1.07E-30	0.014	0.015	0.360	0.035	132.603	TRUE	5.81E-30
Overall COPD	BRSK2	cg06812836	rs138708159	T	C	-0.410	0.073	0.025	2.23E-08	-0.047	0.020	0.019	0.008	31.264	TRUE	5.53E-08
Overall COPD	BRSK2	cg06812836	rs181332597	T	C	0.644	0.100	0.036	1.42E-10	0.034	0.030	0.249	0.011	41.109	TRUE	2.63E-10
Overall COPD	BRSK2	cg06812836	rs2735703	G	A	0.284	0.041	0.092	4.19E-12	-0.008	0.011	0.469	0.013	48.008	TRUE	7.00E-12
Overall COPD	BRSK2	cg06812836	rs34666042	T	C	0.239	0.032	0.164	4.06E-14	-0.012	0.010	0.215	0.015	57.109	TRUE	9.36E-14
Overall COPD	BRSK2	cg06812836	rs73407443	T	C	-0.324	0.048	0.063	2.03E-11	-0.025	0.013	0.068	0.012	44.913	TRUE	5.14E-11
Overall COPD	BRSK2	cg06812836	rs7395006	C	T	0.287	0.024	0.387	2.50E-32	-0.008	0.007	0.255	0.036	140.046	TRUE	1.80E-31
Overall COPD	BRSK2	cg06812836	rs7395567	T	C	0.856	0.025	0.266	3.40E-261	0.007	0.008	0.382	0.244	1191.321	TRUE	1.37E-235
Overall COPD	BRSK2	cg06812836	rs74542903	T	C	-0.242	0.036	0.118	2.54E-11	0.001	0.011	0.948	0.012	44.478	TRUE	3.15E-11
Overall COPD	BRSK2	cg07067744	rs10835060	T	G	-0.177	0.029	0.193	1.72E-09	-0.006	0.008	0.486	0.010	36.243	TRUE	2.56E-09
Overall COPD	BRSK2	cg07067744	rs11604075	T	C	0.223	0.026	0.285	5.38E-18	0.016	0.007	0.034	0.020	74.695	TRUE	2.43E-17
Overall COPD	BRSK2	cg07067744	rs117107041	A	G	0.377	0.051	0.053	2.16E-13	0.014	0.015	0.360	0.014	53.822	TRUE	4.16E-13
Overall COPD	BRSK2	cg07067744	rs12808343	G	A	-0.160	0.028	0.235	1.55E-08	0.014	0.008	0.088	0.009	31.969	TRUE	3.14E-08
Overall COPD	BRSK2	cg07067744	rs34666042	T	C	0.231	0.032	0.164	2.18E-13	-0.012	0.010	0.215	0.014	53.803	TRUE	4.84E-13
Overall COPD	BRSK2	cg07067744	rs5743915	A	G	0.131	0.024	0.415	3.33E-08	0.011	0.007	0.123	0.008	30.491	TRUE	6.23E-08
Overall COPD	BRSK2	cg07067744	rs7395006	C	T	0.193	0.024	0.387	2.07E-15	-0.008	0.007	0.255	0.017	62.963	TRUE	4.88E-15
Overall COPD	BRSK2	cg07067744	rs77338313	A	G	0.582	0.102	0.031	1.03E-08	-0.018	0.025	0.465	0.009	32.773	TRUE	1.50E-08
Overall COPD	BRSK2	cg07067744	rs7932863	A	G	0.661	0.026	0.270	1.83E-147	0.007	0.008	0.382	0.153	668.431	TRUE	2.69E-138
Overall COPD	BRSK2	cg07479615	rs10832442	C	T	0.320	0.024	0.412	1.88E-41	-0.014	0.007	0.035	0.047	181.784	TRUE	6.37E-40
Overall COPD	BRSK2	cg07479615	rs111966929	T	C	-0.732	0.066	0.032	2.14E-28	-0.002	0.018	0.924	0.032	122.082	TRUE	5.78E-28
Overall COPD	BRSK2	cg07479615	rs113969661	T	C	-0.648	0.085	0.018	2.99E-14	0.002	0.026	0.953	0.015	57.712	TRUE	4.05E-14
Overall COPD	BRSK2	cg07479615	rs11605284	C	T	0.213	0.026	0.277	4.16E-16	0.015	0.008	0.064	0.018	66.122	TRUE	1.44E-15
Overall COPD	BRSK2	cg07479615	rs117005356	T	C	0.427	0.074	0.026	8.64E-09	0.003	0.018	0.878	0.009	33.108	TRUE	1.03E-08
Overall COPD	BRSK2	cg07479615	rs117107041	A	G	-0.314	0.051	0.053	1.00E-09	0.014	0.015	0.360	0.010	37.297	TRUE	1.63E-09
Overall COPD	BRSK2	cg07479615	rs11822504	T	C	-0.131	0.024	0.482	2.35E-08	-0.017	0.007	0.019	0.008	31.166	TRUE	5.79E-08
Overall COPD	BRSK2	cg07479615	rs1574122	T	C	-0.586	0.029	0.187	1.96E-89	-0.006	0.008	0.486	0.098	401.842	TRUE	1.03E-85
Overall COPD	BRSK2	cg07479615	rs17821107	C	G	0.405	0.038	0.114	3.21E-26	-0.019	0.011	0.083	0.029	112.151	TRUE	2.14E-25
Overall COPD	BRSK2	cg07479615	rs4881747	T	C	0.432	0.059	0.042	1.70E-13	-0.017	0.015	0.240	0.014	54.289	TRUE	3.69E-13
Overall COPD	BRSK2	cg07479615	rs55988415	T	A	0.303	0.051	0.060	3.64E-09	-0.012	0.015	0.398	0.009	34.787	TRUE	5.63E-09
Overall COPD	BRSK2	cg07479615	rs56146392	C	A	-0.309	0.047	0.072	3.27E-11	-0.016	0.012	0.205	0.012	43.982	TRUE	6.54E-11
Overall COPD	BRSK2	cg07479615	rs79349719	A	G	-0.290	0.044	0.074	6.29E-11	-0.012	0.013	0.355	0.011	42.706	TRUE	1.08E-10
Overall COPD	BRSK2	cg07479615	rs908224	G	T	-0.277	0.024	0.350	4.95E-30	0.001	0.009	0.927	0.034	129.557	TRUE	1.47E-29
Overall COPD	BRSK2	cg07652408	rs7395567	T	C	0.230	0.027	0.266	4.12E-18	0.007	0.008	0.382	0.020	75.222	TRUE	9.87E-18
Overall COPD	BRSK2	cg08012275	rs11604075	T	C	0.183	0.025	0.285	5.36E-13	0.016	0.007	0.034	0.014	52.041	TRUE	1.70E-12
Overall COPD	BRSK2	cg08012275	rs3793964	T	C	-0.143	0.024	0.368	2.37E-09	0.000	0.007	0.988	0.010	35.623	TRUE	2.74E-09
Overall COPD	BRSK2	cg08012275	rs7395006	C	T	0.149	0.024	0.387	5.31E-10	-0.008	0.007	0.255	0.010	38.538	TRUE	9.49E-10
Overall COPD	BRSK2	cg08012275	rs7395567	T	C	0.387	0.026	0.266	2.69E-50	0.007	0.008	0.382	0.057	222.294	TRUE	8.17E-49
Overall COPD	BRSK2	cg09167291	rs10832574	T	C	0.168	0.024	0.390	2.55E-12	-0.007	0.007	0.290	0.013	48.979	TRUE	4.95E-12
Overall COPD	BRSK2	cg09167291	rs11024617	A	G	-0.168	0.027	0.250	3.67E-10	-0.014	0.008	0.092	0.011	39.258	TRUE	8.13E-10
Overall COPD	BRSK2	cg09167291	rs7395567	T	C	0.331	0.026	0.266	9.27E-37	0.007	0.008	0.382	0.042	160.309	TRUE	7.88E-36
Overall COPD	BRSK2	cg09291824	rs10834052	T	C	0.288	0.031	0.185	4.13E-21	0.006	0.009	0.535	0.023	88.864	TRUE	1.01E-20
Overall COPD	BRSK2	cg09291824	rs117107041	A	G	0.318	0.051	0.053	5.42E-10	0.014	0.015	0.360	0.010	38.500	TRUE	8.91E-10

Overall COPD	BRSK2	cg09291824	rs12282543	G	A	-0.165	0.029	0.221	6.78E-09	0.015	0.011	0.170	0.009	33.578	TRUE	1.25E-08
Overall COPD	BRSK2	cg09291824	rs7395567	T	C	0.411	0.026	0.266	6.81E-55	0.007	0.008	0.382	0.062	243.362	TRUE	3.41E-53
Overall COPD	BRSK2	cg09291824	rs74046935	G	A	-0.292	0.025	0.297	2.03E-30	-0.013	0.008	0.082	0.034	131.326	TRUE	1.89E-29
Overall COPD	BRSK2	cg09450823	rs10766282	T	A	0.370	0.061	0.046	1.10E-09	0.010	0.020	0.627	0.010	37.121	TRUE	1.52E-09
Overall COPD	BRSK2	cg09450823	rs10832574	T	C	0.183	0.024	0.390	4.41E-14	-0.007	0.007	0.290	0.015	56.946	TRUE	9.35E-14
Overall COPD	BRSK2	cg09450823	rs11035302	C	A	-0.140	0.026	0.313	4.03E-08	-0.017	0.007	0.023	0.008	30.117	TRUE	9.58E-08
Overall COPD	BRSK2	cg09450823	rs11599943	T	C	0.523	0.066	0.031	2.69E-15	0.005	0.019	0.812	0.017	62.449	TRUE	4.12E-15
Overall COPD	BRSK2	cg09450823	rs34666042	T	C	0.180	0.032	0.164	1.13E-08	-0.012	0.010	0.215	0.009	32.593	TRUE	1.95E-08
Overall COPD	BRSK2	cg09450823	rs55813014	C	T	-0.202	0.023	0.473	7.12E-18	-0.015	0.007	0.025	0.020	74.142	TRUE	3.38E-17
Overall COPD	BRSK2	cg09450823	rs7395567	T	C	0.537	0.026	0.266	1.07E-94	0.007	0.008	0.382	0.103	426.009	TRUE	1.71E-90
Overall COPD	BRSK2	cg09450823	rs9651643	T	C	-0.131	0.024	0.445	2.93E-08	-0.005	0.007	0.467	0.008	30.735	TRUE	4.20E-08
Overall COPD	BRSK2	cg09461507	rs11604075	T	C	0.228	0.026	0.285	6.56E-19	0.016	0.007	0.034	0.021	78.850	TRUE	3.16E-18
Overall COPD	BRSK2	cg09461507	rs3793964	T	C	-0.187	0.024	0.368	1.41E-14	0.000	0.007	0.988	0.016	59.184	TRUE	1.90E-14
Overall COPD	BRSK2	cg09461507	rs7395006	C	T	0.191	0.024	0.387	3.28E-15	-0.008	0.007	0.255	0.017	62.057	TRUE	7.65E-15
Overall COPD	BRSK2	cg09461507	rs7395567	T	C	0.440	0.026	0.266	4.52E-63	0.007	0.008	0.382	0.071	280.860	TRUE	6.01E-61
Overall COPD	BRSK2	cg09600088	rs10832574	T	C	0.190	0.024	0.390	4.27E-15	-0.007	0.007	0.290	0.016	61.538	TRUE	9.54E-15
Overall COPD	BRSK2	cg09600088	rs11599943	T	C	0.469	0.066	0.031	1.33E-12	0.005	0.019	0.812	0.013	50.252	TRUE	1.85E-12
Overall COPD	BRSK2	cg09600088	rs2075859	T	C	-0.180	0.024	0.369	7.72E-14	-0.011	0.007	0.122	0.015	55.845	TRUE	2.01E-13
Overall COPD	BRSK2	cg09600088	rs7395567	T	C	0.500	0.026	0.266	5.59E-82	0.007	0.008	0.382	0.090	367.616	TRUE	1.08E-78
Overall COPD	BRSK2	cg09600088	rs79057596	G	A	0.379	0.068	0.036	2.09E-08	-0.009	0.020	0.664	0.008	31.388	TRUE	2.73E-08
Overall COPD	BRSK2	cg09790617	rs11599943	T	C	0.367	0.066	0.031	3.29E-08	0.005	0.019	0.812	0.008	30.510	TRUE	3.99E-08
Overall COPD	BRSK2	cg09790617	rs11604075	T	C	0.201	0.026	0.285	6.09E-15	0.016	0.007	0.034	0.016	60.839	TRUE	2.21E-14
Overall COPD	BRSK2	cg09790617	rs2334657	C	T	-0.141	0.024	0.400	5.66E-09	-0.014	0.007	0.055	0.009	33.930	TRUE	1.26E-08
Overall COPD	BRSK2	cg09790617	rs34666042	T	C	0.213	0.032	0.164	1.30E-11	-0.012	0.010	0.215	0.012	45.796	TRUE	2.62E-11
Overall COPD	BRSK2	cg09790617	rs3793964	T	C	-0.195	0.024	0.368	7.93E-16	0.000	0.007	0.988	0.017	64.852	TRUE	1.11E-15
Overall COPD	BRSK2	cg09790617	rs7395006	C	T	0.168	0.024	0.387	5.14E-12	-0.008	0.007	0.255	0.013	47.606	TRUE	1.02E-11
Overall COPD	BRSK2	cg09790617	rs7395567	T	C	0.570	0.026	0.266	1.09E-106	0.007	0.008	0.382	0.115	481.091	TRUE	1.61E-101
Overall COPD	BRSK2	cg10026995	rs1038727	A	G	0.189	0.029	0.201	1.14E-10	0.008	0.008	0.331	0.011	41.536	TRUE	1.98E-10
Overall COPD	BRSK2	cg10026995	rs11028763	C	T	-0.457	0.024	0.359	5.37E-81	-0.017	0.007	0.021	0.089	363.105	TRUE	4.39E-77
Overall COPD	BRSK2	cg10026995	rs11599943	T	C	0.540	0.066	0.031	3.75E-16	0.005	0.019	0.812	0.018	66.330	TRUE	5.94E-16
Overall COPD	BRSK2	cg10026995	rs34666042	T	C	0.260	0.032	0.164	1.64E-16	-0.012	0.010	0.215	0.018	67.952	TRUE	4.34E-16
Overall COPD	BRSK2	cg10026995	rs3793964	T	C	-0.235	0.024	0.368	2.78E-22	0.000	0.007	0.988	0.025	94.203	TRUE	5.12E-22
Overall COPD	BRSK2	cg10026995	rs61082503	T	G	-0.302	0.024	0.464	2.04E-36	0.013	0.010	0.225	0.041	158.739	TRUE	2.17E-35
Overall COPD	BRSK2	cg10026995	rs6578412	T	C	-0.524	0.070	0.052	7.84E-14	0.028	0.016	0.085	0.015	55.816	TRUE	2.20E-13
Overall COPD	BRSK2	cg10026995	rs72847985	A	G	0.215	0.033	0.146	6.79E-11	-0.002	0.009	0.860	0.011	42.555	TRUE	8.69E-11
Overall COPD	BRSK2	cg10026995	rs7395006	C	T	0.234	0.024	0.387	5.62E-22	-0.008	0.007	0.255	0.024	92.807	TRUE	1.95E-21
Overall COPD	BRSK2	cg10026995	rs7395567	T	C	0.773	0.025	0.266	9.94E-207	0.007	0.008	0.382	0.203	940.867	TRUE	6.44E-190
Overall COPD	BRSK2	cg10026995	rs7482040	C	T	0.497	0.061	0.045	2.14E-16	0.022	0.016	0.171	0.018	67.431	TRUE	5.97E-16
Overall COPD	BRSK2	cg10026995	rs77338313	A	G	0.731	0.101	0.031	5.58E-13	-0.018	0.025	0.465	0.014	51.961	TRUE	9.72E-13
Overall COPD	BRSK2	cg10026995	rs79956640	G	A	-0.559	0.082	0.022	1.22E-11	-0.022	0.021	0.286	0.012	45.918	TRUE	2.29E-11
Overall COPD	BRSK2	cg10026995	rs9651637	G	A	-0.258	0.026	0.284	4.00E-23	-0.011	0.007	0.125	0.026	98.038	TRUE	1.88E-22
Overall COPD	BRSK2	cg10107466	rs11023856	T	C	0.149	0.026	0.303	5.55E-09	0.003	0.007	0.629	0.009	33.967	TRUE	7.49E-09

Overall COPD	BRSK2	cg10107466	rs112066837	C	T	0.299	0.024	0.360	4.20E-36	0.002	0.007	0.755	0.041	157.309	TRUE	2.23E-35
Overall COPD	BRSK2	cg10107466	rs112544636	T	C	-0.193	0.026	0.260	2.39E-13	-0.017	0.008	0.026	0.014	53.626	TRUE	8.14E-13
Overall COPD	BRSK2	cg10107466	rs11604075	T	C	0.182	0.025	0.285	7.37E-13	0.016	0.007	0.034	0.014	51.414	TRUE	2.31E-12
Overall COPD	BRSK2	cg10355759	rs11604075	T	C	-0.257	0.026	0.285	1.55E-23	0.016	0.007	0.034	0.026	99.912	TRUE	1.06E-22
Overall COPD	BRSK2	cg10355759	rs117107041	A	G	-0.436	0.051	0.053	1.42E-17	0.014	0.015	0.360	0.019	72.774	TRUE	3.39E-17
Overall COPD	BRSK2	cg10355759	rs12286473	G	A	0.305	0.040	0.176	2.65E-14	0.018	0.011	0.120	0.015	57.944	TRUE	7.13E-14
Overall COPD	BRSK2	cg10355759	rs1881506	T	C	0.215	0.029	0.209	2.48E-13	0.014	0.008	0.082	0.014	53.553	TRUE	6.80E-13
Overall COPD	BRSK2	cg10355759	rs2334657	C	T	0.143	0.024	0.400	2.99E-09	-0.014	0.007	0.055	0.009	35.174	TRUE	6.78E-09
Overall COPD	BRSK2	cg10355759	rs34666042	T	C	-0.197	0.032	0.164	3.80E-10	-0.012	0.010	0.215	0.010	39.190	TRUE	7.12E-10
Overall COPD	BRSK2	cg10355759	rs3793964	T	C	0.268	0.024	0.368	1.16E-28	0.000	0.007	0.988	0.032	123.291	TRUE	3.03E-28
Overall COPD	BRSK2	cg10355759	rs7395006	C	T	-0.276	0.024	0.387	4.08E-30	-0.008	0.007	0.255	0.034	129.939	TRUE	2.47E-29
Overall COPD	BRSK2	cg10355759	rs7395567	T	C	-0.703	0.025	0.266	1.37E-168	0.007	0.008	0.382	0.171	765.534	TRUE	6.12E-157
Overall COPD	BRSK2	cg10490888	rs12788273	A	G	0.286	0.026	0.277	7.10E-28	0.013	0.019	0.469	0.031	119.705	TRUE	2.80E-27
Overall COPD	BRSK2	cg10590925	rs10734285	A	C	-0.223	0.031	0.172	9.13E-13	0.007	0.009	0.466	0.014	50.996	TRUE	1.57E-12
Overall COPD	BRSK2	cg10590925	rs11029917	T	C	-0.282	0.037	0.116	2.75E-14	-0.016	0.014	0.250	0.015	57.877	TRUE	6.13E-14
Overall COPD	BRSK2	cg10590925	rs11039094	C	G	0.219	0.036	0.116	1.27E-09	-0.005	0.010	0.604	0.010	36.843	TRUE	1.77E-09
Overall COPD	BRSK2	cg10590925	rs113008778	T	C	-0.382	0.064	0.066	2.71E-09	0.060	0.027	0.027	0.009	35.365	TRUE	6.83E-09
Overall COPD	BRSK2	cg10590925	rs11603080	A	C	0.391	0.054	0.048	4.90E-13	0.006	0.016	0.715	0.014	52.217	TRUE	7.30E-13
Overall COPD	BRSK2	cg10590925	rs11604075	T	C	0.486	0.025	0.285	2.09E-82	0.016	0.007	0.034	0.091	369.583	TRUE	1.73E-78
Overall COPD	BRSK2	cg10590925	rs117107041	A	G	0.606	0.051	0.053	1.98E-32	0.014	0.015	0.360	0.037	140.517	TRUE	1.23E-31
Overall COPD	BRSK2	cg10590925	rs12282543	G	A	-0.336	0.028	0.221	3.11E-32	0.015	0.011	0.170	0.036	139.618	TRUE	2.61E-31
Overall COPD	BRSK2	cg10590925	rs12806189	C	G	-0.285	0.046	0.073	3.69E-10	0.022	0.015	0.147	0.010	39.249	TRUE	7.47E-10
Overall COPD	BRSK2	cg10590925	rs145553613	C	T	0.894	0.106	0.031	3.99E-17	0.071	0.037	0.057	0.019	70.745	TRUE	1.52E-16
Overall COPD	BRSK2	cg10590925	rs34666042	T	C	0.355	0.031	0.164	1.21E-29	-0.012	0.010	0.215	0.033	127.774	TRUE	7.62E-29
Overall COPD	BRSK2	cg10590925	rs3793964	T	C	-0.379	0.024	0.368	2.69E-56	0.000	0.007	0.988	0.063	249.796	TRUE	7.10E-55
Overall COPD	BRSK2	cg10590925	rs540448667	G	C	-0.426	0.068	0.033	3.49E-10	-0.032	0.024	0.188	0.011	39.355	TRUE	6.74E-10
Overall COPD	BRSK2	cg10590925	rs5743915	A	G	0.206	0.024	0.415	3.63E-18	0.011	0.007	0.123	0.020	75.471	TRUE	1.23E-17
Overall COPD	BRSK2	cg10590925	rs66496921	C	G	-0.179	0.024	0.405	1.35E-13	-0.019	0.007	0.009	0.015	54.741	TRUE	5.54E-13
Overall COPD	BRSK2	cg10590925	rs7395006	C	T	0.358	0.024	0.387	4.35E-50	-0.008	0.007	0.255	0.056	221.336	TRUE	1.63E-48
Overall COPD	BRSK2	cg10590925	rs77338313	A	G	0.988	0.101	0.031	1.04E-22	-0.018	0.025	0.465	0.025	96.153	TRUE	2.97E-22
Overall COPD	BRSK2	cg11022513	rs112066837	C	T	0.242	0.024	0.360	4.94E-24	0.002	0.007	0.755	0.027	102.178	TRUE	1.19E-23
Overall COPD	BRSK2	cg11022513	rs143851582	T	C	0.527	0.069	0.028	3.05E-14	-0.023	0.017	0.183	0.015	57.668	TRUE	7.39E-14
Overall COPD	BRSK2	cg11254847	rs7102279	T	C	-0.199	0.028	0.238	4.94E-13	0.006	0.008	0.457	0.014	52.201	TRUE	8.67E-13
Overall COPD	BRSK2	cg11307363	rs10837858	A	G	0.319	0.053	0.051	1.77E-09	0.004	0.015	0.786	0.010	36.195	TRUE	2.25E-09
Overall COPD	BRSK2	cg11307363	rs117107041	A	G	0.567	0.051	0.053	1.31E-28	0.014	0.015	0.360	0.032	123.053	TRUE	6.16E-28
Overall COPD	BRSK2	cg11307363	rs117431642	T	C	0.747	0.109	0.026	7.57E-12	-0.019	0.027	0.475	0.013	46.850	TRUE	1.25E-11
Overall COPD	BRSK2	cg11307363	rs12286473	G	A	-0.287	0.040	0.176	1.10E-12	0.018	0.011	0.120	0.014	50.624	TRUE	2.69E-12
Overall COPD	BRSK2	cg11307363	rs12808343	G	A	-0.178	0.028	0.235	2.59E-10	0.014	0.008	0.088	0.011	39.937	TRUE	5.84E-10
Overall COPD	BRSK2	cg11307363	rs151218125	T	C	-0.337	0.055	0.049	8.20E-10	-0.024	0.016	0.129	0.010	37.693	TRUE	1.67E-09
Overall COPD	BRSK2	cg11307363	rs2735703	G	A	0.234	0.041	0.092	1.02E-08	-0.008	0.011	0.469	0.009	32.776	TRUE	1.49E-08
Overall COPD	BRSK2	cg11307363	rs34666042	T	C	0.262	0.032	0.164	1.05E-16	-0.012	0.010	0.215	0.018	68.837	TRUE	2.80E-16
Overall COPD	BRSK2	cg11307363	rs55813014	C	T	-0.335	0.023	0.473	6.81E-47	-0.015	0.007	0.025	0.053	206.699	TRUE	4.63E-45

Overall COPD	BRSK2	cg11307363	rs60707923	A	G	-0.322	0.027	0.260	8.83E-34	-0.003	0.008	0.689	0.038	146.686	TRUE	4.20E-33
Overall COPD	BRSK2	cg11307363	rs7395006	C	T	0.323	0.024	0.387	9.72E-41	-0.008	0.007	0.255	0.046	178.519	TRUE	1.43E-39
Overall COPD	BRSK2	cg11307363	rs74542903	T	C	-0.206	0.036	0.118	1.40E-08	0.001	0.011	0.948	0.009	32.173	TRUE	1.61E-08
Overall COPD	BRSK2	cg11661000	rs10835060	T	G	0.248	0.029	0.193	3.45E-17	-0.006	0.008	0.486	0.019	71.029	TRUE	7.20E-17
Overall COPD	BRSK2	cg11661000	rs112708029	G	T	0.262	0.037	0.112	1.22E-12	-0.015	0.010	0.157	0.013	50.426	TRUE	2.80E-12
Overall COPD	BRSK2	cg11661000	rs11603080	A	C	-0.404	0.054	0.048	7.23E-14	0.006	0.016	0.715	0.015	55.974	TRUE	1.11E-13
Overall COPD	BRSK2	cg11661000	rs11606628	T	C	-0.305	0.026	0.278	9.75E-32	0.013	0.008	0.122	0.036	137.348	TRUE	8.87E-31
Overall COPD	BRSK2	cg11661000	rs117107041	A	G	-0.597	0.051	0.053	1.76E-31	0.014	0.015	0.360	0.036	136.173	TRUE	1.02E-30
Overall COPD	BRSK2	cg11661000	rs12286473	G	A	0.339	0.040	0.176	4.30E-17	0.018	0.011	0.120	0.019	70.596	TRUE	1.37E-16
Overall COPD	BRSK2	cg11661000	rs12808343	G	A	0.224	0.028	0.235	1.95E-15	0.014	0.008	0.088	0.017	63.081	TRUE	6.03E-15
Overall COPD	BRSK2	cg11661000	rs145553613	C	T	-0.752	0.107	0.031	1.77E-12	0.071	0.037	0.057	0.013	49.694	TRUE	4.95E-12
Overall COPD	BRSK2	cg11661000	rs2334657	C	T	0.290	0.024	0.400	2.46E-33	-0.014	0.007	0.055	0.038	144.653	TRUE	3.33E-32
Overall COPD	BRSK2	cg11661000	rs34666042	T	C	-0.344	0.031	0.164	8.00E-28	-0.012	0.010	0.215	0.031	119.470	TRUE	4.39E-27
Overall COPD	BRSK2	cg11661000	rs3793964	T	C	0.411	0.024	0.368	2.76E-66	0.000	0.007	0.988	0.074	295.603	TRUE	2.33E-64
Overall COPD	BRSK2	cg11661000	rs4963039	T	C	-0.665	0.060	0.044	3.01E-28	0.023	0.016	0.165	0.032	121.408	TRUE	1.88E-27
Overall COPD	BRSK2	cg11661000	rs60707923	A	G	0.169	0.027	0.260	2.89E-10	-0.003	0.008	0.689	0.011	39.727	TRUE	3.95E-10
Overall COPD	BRSK2	cg11661000	rs7395006	C	T	-0.350	0.024	0.387	8.34E-48	-0.008	0.007	0.255	0.054	210.879	TRUE	2.45E-46
Overall COPD	BRSK2	cg11661000	rs77338313	A	G	-0.813	0.101	0.031	8.85E-16	-0.018	0.025	0.465	0.017	64.635	TRUE	1.75E-15
Overall COPD	BRSK2	cg11661000	rs78131782	C	T	-0.675	0.108	0.031	4.32E-10	0.003	0.030	0.914	0.010	38.943	TRUE	5.26E-10
Overall COPD	BRSK2	cg11661000	rs868903	T	C	0.227	0.032	0.473	1.21E-12	-0.021	0.008	0.008	0.013	50.439	TRUE	4.72E-12
Overall COPD	BRSK2	cg11724511	rs10833730	C	A	0.160	0.028	0.242	6.97E-09	0.004	0.008	0.580	0.009	33.526	TRUE	9.61E-09
Overall COPD	BRSK2	cg11724511	rs117266612	A	G	-0.453	0.072	0.027	2.48E-10	-0.024	0.017	0.170	0.011	40.024	TRUE	4.92E-10
Overall COPD	BRSK2	cg11724511	rs7395567	T	C	0.327	0.026	0.266	3.10E-35	0.007	0.008	0.382	0.040	153.336	TRUE	2.33E-34
Overall COPD	BRSK2	cg11772193	rs12788273	A	G	0.208	0.026	0.277	1.19E-15	0.013	0.019	0.469	0.017	64.050	TRUE	2.34E-15
Overall COPD	BRSK2	cg12064373	rs10837856	T	G	0.388	0.053	0.051	2.26E-13	0.005	0.015	0.744	0.014	53.733	TRUE	3.36E-13
Overall COPD	BRSK2	cg12064373	rs11604757	T	C	0.208	0.036	0.118	1.03E-08	0.001	0.011	0.935	0.009	32.769	TRUE	1.20E-08
Overall COPD	BRSK2	cg12064373	rs11606628	T	C	0.301	0.026	0.278	4.12E-31	0.013	0.008	0.122	0.035	134.486	TRUE	3.57E-30
Overall COPD	BRSK2	cg12064373	rs117107041	A	G	0.626	0.051	0.053	1.33E-34	0.014	0.015	0.360	0.039	150.444	TRUE	9.79E-34
Overall COPD	BRSK2	cg12064373	rs117926221	T	G	-0.376	0.064	0.090	4.51E-09	0.000	0.013	0.975	0.009	34.373	TRUE	5.20E-09
Overall COPD	BRSK2	cg12064373	rs12286473	G	A	-0.309	0.040	0.176	1.71E-14	0.018	0.011	0.120	0.016	58.811	TRUE	4.64E-14
Overall COPD	BRSK2	cg12064373	rs12575817	T	C	-0.310	0.050	0.060	6.68E-10	-0.017	0.016	0.290	0.010	38.091	TRUE	1.15E-09
Overall COPD	BRSK2	cg12064373	rs181332597	T	C	0.625	0.100	0.036	4.85E-10	0.034	0.030	0.249	0.010	38.716	TRUE	8.73E-10
Overall COPD	BRSK2	cg12064373	rs2735703	G	A	0.290	0.041	0.092	1.40E-12	-0.008	0.011	0.469	0.013	50.163	TRUE	2.38E-12
Overall COPD	BRSK2	cg12064373	rs34666042	T	C	0.348	0.031	0.164	1.69E-28	-0.012	0.010	0.215	0.032	122.555	TRUE	9.72E-28
Overall COPD	BRSK2	cg12064373	rs4881747	T	C	-0.332	0.059	0.042	1.65E-08	-0.017	0.015	0.240	0.009	31.856	TRUE	2.77E-08
Overall COPD	BRSK2	cg12064373	rs60707923	A	G	-0.180	0.027	0.260	1.71E-11	-0.003	0.008	0.689	0.012	45.250	TRUE	2.45E-11
Overall COPD	BRSK2	cg12064373	rs7118474	G	A	-0.172	0.030	0.194	1.06E-08	-0.015	0.009	0.080	0.009	32.702	TRUE	2.21E-08
Overall COPD	BRSK2	cg12064373	rs7395006	C	T	0.320	0.024	0.387	4.10E-40	-0.008	0.007	0.255	0.045	175.658	TRUE	5.71E-39
Overall COPD	BRSK2	cg12064373	rs74542903	T	C	-0.245	0.036	0.118	1.50E-11	0.001	0.011	0.948	0.012	45.515	TRUE	1.87E-11
Overall COPD	BRSK2	cg12064373	rs77338313	A	G	0.910	0.101	0.031	1.86E-19	-0.018	0.025	0.465	0.022	81.335	TRUE	4.45E-19
Overall COPD	BRSK2	cg12064373	rs78131782	C	T	0.709	0.108	0.031	5.11E-11	0.003	0.030	0.914	0.012	43.111	TRUE	6.39E-11
Overall COPD	BRSK2	cg12064373	rs80138399	A	G	-0.258	0.046	0.076	2.08E-08	0.019	0.013	0.151	0.008	31.405	TRUE	3.80E-08

Overall COPD	BRSK2	cg12064373	rs868903	T	C	-0.212	0.032	0.473	3.22E-11	-0.021	0.008	0.008	0.012	44.018	TRUE	1.12E-10
Overall COPD	BRSK2	cg12186219	rs10734285	A	C	-0.238	0.031	0.172	2.77E-14	0.007	0.009	0.466	0.015	57.862	TRUE	5.11E-14
Overall COPD	BRSK2	cg12186219	rs11039094	C	G	0.216	0.036	0.116	2.13E-09	-0.005	0.010	0.604	0.010	35.830	TRUE	2.96E-09
Overall COPD	BRSK2	cg12186219	rs11603080	A	C	0.399	0.054	0.048	1.59E-13	0.006	0.016	0.715	0.015	54.430	TRUE	2.41E-13
Overall COPD	BRSK2	cg12186219	rs11604075	T	C	0.431	0.025	0.285	2.79E-64	0.016	0.007	0.034	0.072	286.403	TRUE	1.49E-61
Overall COPD	BRSK2	cg12186219	rs11604757	T	C	0.208	0.036	0.118	9.75E-09	0.001	0.011	0.935	0.009	32.874	TRUE	1.13E-08
Overall COPD	BRSK2	cg12186219	rs117107041	A	G	0.589	0.051	0.053	9.80E-31	0.014	0.015	0.360	0.035	132.769	TRUE	5.36E-30
Overall COPD	BRSK2	cg12186219	rs117654829	T	A	0.872	0.098	0.038	4.26E-19	0.034	0.030	0.249	0.021	79.701	TRUE	1.25E-18
Overall COPD	BRSK2	cg12186219	rs28672782	T	C	-0.313	0.031	0.184	1.73E-24	0.011	0.009	0.236	0.027	104.250	TRUE	7.26E-24
Overall COPD	BRSK2	cg12186219	rs34666042	T	C	0.346	0.031	0.164	4.15E-28	-0.012	0.010	0.215	0.032	120.770	TRUE	2.32E-27
Overall COPD	BRSK2	cg12186219	rs3793964	T	C	-0.405	0.024	0.368	2.55E-64	0.000	0.007	0.988	0.072	286.590	TRUE	1.69E-62
Overall COPD	BRSK2	cg12186219	rs4881724	A	G	-0.260	0.037	0.116	2.00E-12	-0.016	0.011	0.130	0.013	49.458	TRUE	4.73E-12
Overall COPD	BRSK2	cg12186219	rs5743915	A	G	0.202	0.024	0.415	1.74E-17	0.011	0.007	0.123	0.019	72.386	TRUE	5.64E-17
Overall COPD	BRSK2	cg12186219	rs66496921	C	G	-0.202	0.024	0.405	4.99E-17	-0.019	0.007	0.009	0.019	70.302	TRUE	2.67E-16
Overall COPD	BRSK2	cg12186219	rs7395006	C	T	0.362	0.024	0.387	3.58E-51	-0.008	0.007	0.255	0.058	226.307	TRUE	1.50E-49
Overall COPD	BRSK2	cg12186219	rs77338313	A	G	0.997	0.101	0.031	3.96E-23	-0.018	0.025	0.465	0.026	98.057	TRUE	1.16E-22
Overall COPD	BRSK2	cg12186219	rs78131782	C	T	0.746	0.108	0.031	4.62E-12	0.003	0.030	0.914	0.013	47.817	TRUE	5.96E-12
Overall COPD	BRSK2	cg12405684	rs12787736	T	C	-0.182	0.031	0.156	6.99E-09	0.022	0.011	0.049	0.009	33.519	TRUE	1.58E-08
Overall COPD	BRSK2	cg12405684	rs4255564	C	T	0.287	0.026	0.260	8.63E-28	0.007	0.008	0.382	0.031	119.319	TRUE	3.73E-27
Overall COPD	BRSK2	cg13338306	rs111163743	C	T	0.138	0.024	0.363	1.21E-08	0.002	0.007	0.753	0.009	32.460	TRUE	1.52E-08
Overall COPD	BRSK2	cg13338306	rs117356396	T	C	0.468	0.071	0.027	4.78E-11	-0.024	0.017	0.170	0.012	43.243	TRUE	9.86E-11
Overall COPD	BRSK2	cg13338306	rs7105864	T	C	0.155	0.026	0.293	3.37E-09	0.006	0.007	0.411	0.009	34.936	TRUE	5.18E-09
Overall COPD	BRSK2	cg13880458	rs11028763	C	T	-0.242	0.024	0.359	3.22E-23	-0.017	0.007	0.021	0.026	98.466	TRUE	2.40E-22
Overall COPD	BRSK2	cg13880458	rs117107041	A	G	0.291	0.051	0.053	1.51E-08	0.014	0.015	0.360	0.009	32.025	TRUE	2.33E-08
Overall COPD	BRSK2	cg13880458	rs3793964	T	C	-0.142	0.024	0.368	5.78E-09	0.000	0.007	0.988	0.009	33.889	TRUE	6.61E-09
Overall COPD	BRSK2	cg13880458	rs56079025	A	G	0.329	0.053	0.106	5.04E-10	0.001	0.011	0.898	0.010	38.641	TRUE	6.17E-10
Overall COPD	BRSK2	cg13880458	rs61082503	T	G	-0.177	0.024	0.464	2.26E-13	0.013	0.010	0.225	0.014	53.732	TRUE	4.96E-13
Overall COPD	BRSK2	cg13880458	rs7395006	C	T	0.153	0.024	0.387	3.66E-10	-0.008	0.007	0.255	0.011	39.266	TRUE	6.59E-10
Overall COPD	BRSK2	cg13880458	rs7395567	T	C	0.459	0.026	0.266	2.57E-68	0.007	0.008	0.382	0.076	304.919	TRUE	6.77E-66
Overall COPD	BRSK2	cg14021073	rs4255564	C	T	-0.326	0.027	0.260	1.06E-34	0.007	0.008	0.382	0.039	150.896	TRUE	7.63E-34
Overall COPD	BRSK2	cg14021073	rs4881744	G	A	0.158	0.029	0.217	4.38E-08	-0.019	0.008	0.019	0.008	29.957	TRUE	1.06E-07
Overall COPD	BRSK2	cg14064268	rs10734285	A	C	-0.227	0.031	0.172	4.22E-13	0.007	0.009	0.466	0.014	52.509	TRUE	7.39E-13
Overall COPD	BRSK2	cg14064268	rs11039094	C	G	0.204	0.036	0.116	1.53E-08	-0.005	0.010	0.604	0.009	31.998	TRUE	2.06E-08
Overall COPD	BRSK2	cg14064268	rs11603080	A	C	0.385	0.054	0.048	9.93E-13	0.006	0.016	0.715	0.014	50.831	TRUE	1.46E-12
Overall COPD	BRSK2	cg14064268	rs11604075	T	C	0.458	0.025	0.285	4.22E-73	0.016	0.007	0.034	0.081	326.875	TRUE	8.03E-70
Overall COPD	BRSK2	cg14064268	rs117107041	A	G	0.569	0.051	0.053	1.04E-28	0.014	0.015	0.360	0.032	123.508	TRUE	4.93E-28
Overall COPD	BRSK2	cg14064268	rs145553613	C	T	0.840	0.106	0.031	2.89E-15	0.071	0.037	0.057	0.017	62.303	TRUE	9.71E-15
Overall COPD	BRSK2	cg14064268	rs28672782	T	C	-0.305	0.031	0.184	2.31E-23	0.011	0.009	0.236	0.026	99.126	TRUE	8.97E-23
Overall COPD	BRSK2	cg14064268	rs34666042	T	C	0.319	0.031	0.164	3.37E-24	-0.012	0.010	0.215	0.027	102.931	TRUE	1.43E-23
Overall COPD	BRSK2	cg14064268	rs3793964	T	C	-0.367	0.024	0.368	9.79E-53	0.000	0.007	0.988	0.059	233.470	TRUE	1.78E-51
Overall COPD	BRSK2	cg14064268	rs5743915	A	G	0.199	0.024	0.415	4.84E-17	0.011	0.007	0.123	0.019	70.361	TRUE	1.53E-16
Overall COPD	BRSK2	cg14064268	rs66496921	C	G	-0.157	0.024	0.405	8.01E-11	-0.019	0.007	0.009	0.011	42.232	TRUE	2.64E-10

Overall COPD	BRSK2	cg14064268	rs7395006	C	T	0.336	0.024	0.387	6.55E-44	-0.008	0.007	0.255	0.050	193.040	TRUE	1.30E-42
Overall COPD	BRSK2	cg14064268	rs77338313	A	G	0.956	0.101	0.031	2.47E-21	-0.018	0.025	0.465	0.024	89.878	TRUE	6.54E-21
Overall COPD	BRSK2	cg14306344	rs7395567	T	C	0.198	0.026	0.266	4.97E-14	0.007	0.008	0.382	0.015	56.711	TRUE	9.68E-14
Overall COPD	BRSK2	cg14621221	rs10832803	T	C	-0.229	0.033	0.159	3.45E-12	-0.013	0.009	0.139	0.013	48.388	TRUE	7.93E-12
Overall COPD	BRSK2	cg14621221	rs11035302	C	A	-0.275	0.025	0.313	3.27E-27	-0.017	0.007	0.023	0.031	116.680	TRUE	3.32E-26
Overall COPD	BRSK2	cg14621221	rs11608241	T	C	0.536	0.092	0.019	4.94E-09	0.028	0.026	0.270	0.009	34.196	TRUE	8.31E-09
Overall COPD	BRSK2	cg14621221	rs143524208	C	T	0.226	0.038	0.103	4.32E-09	0.006	0.016	0.679	0.009	34.455	TRUE	5.71E-09
Overall COPD	BRSK2	cg14621221	rs2735733	T	C	-0.224	0.024	0.446	2.57E-21	-0.016	0.007	0.025	0.024	89.803	TRUE	1.59E-20
Overall COPD	BRSK2	cg14621221	rs34664315	A	G	0.192	0.028	0.211	1.09E-11	-0.018	0.009	0.038	0.012	46.127	TRUE	3.10E-11
Overall COPD	BRSK2	cg14621221	rs4312093	A	G	-0.297	0.031	0.176	1.11E-21	0.013	0.010	0.229	0.024	91.458	TRUE	3.92E-21
Overall COPD	BRSK2	cg14621221	rs61869029	A	G	0.299	0.039	0.221	1.02E-14	0.009	0.009	0.338	0.016	59.831	TRUE	2.13E-14
Overall COPD	BRSK2	cg14621221	rs7105864	T	C	0.148	0.026	0.293	2.02E-08	0.006	0.007	0.411	0.008	31.453	TRUE	3.01E-08
Overall COPD	BRSK2	cg14621221	rs7395567	T	C	0.676	0.026	0.266	3.74E-154	0.007	0.008	0.382	0.159	699.176	TRUE	3.14E-144
Overall COPD	BRSK2	cg14621221	rs74046935	G	A	-0.294	0.026	0.297	9.54E-31	-0.013	0.008	0.082	0.035	132.821	TRUE	9.14E-30
Overall COPD	BRSK2	cg14621221	rs7482040	C	T	0.492	0.061	0.045	4.68E-16	0.022	0.016	0.171	0.018	65.890	TRUE	1.28E-15
Overall COPD	BRSK2	cg14621221	rs77338313	A	G	0.673	0.101	0.031	3.32E-11	-0.018	0.025	0.465	0.012	43.957	TRUE	5.35E-11
Overall COPD	BRSK2	cg15411034	rs10832574	T	C	0.231	0.024	0.390	1.96E-21	-0.007	0.007	0.290	0.024	90.338	TRUE	6.27E-21
Overall COPD	BRSK2	cg15411034	rs11599943	T	C	0.566	0.066	0.031	1.33E-17	0.005	0.019	0.812	0.019	72.907	TRUE	2.24E-17
Overall COPD	BRSK2	cg15411034	rs11604075	T	C	0.267	0.026	0.285	2.71E-25	0.016	0.007	0.034	0.028	107.921	TRUE	2.13E-24
Overall COPD	BRSK2	cg15411034	rs117431642	T	C	0.765	0.109	0.026	2.42E-12	-0.019	0.027	0.475	0.013	49.087	TRUE	4.06E-12
Overall COPD	BRSK2	cg15411034	rs145553613	C	T	0.713	0.107	0.031	2.36E-11	0.071	0.037	0.057	0.012	44.622	TRUE	6.12E-11
Overall COPD	BRSK2	cg15411034	rs1574122	T	C	-0.224	0.030	0.187	5.95E-14	-0.006	0.008	0.486	0.015	56.357	TRUE	1.07E-13
Overall COPD	BRSK2	cg15411034	rs34666042	T	C	0.252	0.032	0.164	1.41E-15	-0.012	0.010	0.215	0.017	63.719	TRUE	3.53E-15
Overall COPD	BRSK2	cg15411034	rs55813014	C	T	-0.291	0.023	0.473	1.23E-35	-0.015	0.007	0.025	0.040	155.172	TRUE	2.60E-34
Overall COPD	BRSK2	cg15411034	rs7395567	T	C	0.829	0.025	0.266	5.39E-243	0.007	0.008	0.382	0.230	1107.624	TRUE	1.65E-220
Overall COPD	BRSK2	cg15465743	rs1021342	C	T	0.294	0.044	0.079	1.53E-11	-0.017	0.013	0.194	0.012	45.476	TRUE	3.14E-11
Overall COPD	BRSK2	cg15465743	rs10734285	A	C	0.220	0.031	0.172	1.98E-12	0.007	0.009	0.466	0.013	49.478	TRUE	3.36E-12
Overall COPD	BRSK2	cg15465743	rs10832574	T	C	-0.363	0.024	0.390	2.73E-51	-0.007	0.007	0.290	0.058	226.850	TRUE	1.08E-49
Overall COPD	BRSK2	cg15465743	rs10837856	T	G	-0.397	0.053	0.051	6.07E-14	0.005	0.015	0.744	0.015	56.319	TRUE	9.19E-14
Overall COPD	BRSK2	cg15465743	rs11604075	T	C	-0.374	0.026	0.285	1.93E-48	0.016	0.007	0.034	0.055	213.787	TRUE	1.41E-46
Overall COPD	BRSK2	cg15465743	rs117107041	A	G	-0.635	0.051	0.053	1.54E-35	0.014	0.015	0.360	0.040	154.724	TRUE	1.22E-34
Overall COPD	BRSK2	cg15465743	rs12286473	G	A	0.332	0.040	0.176	1.57E-16	0.018	0.011	0.120	0.018	68.038	TRUE	4.85E-16
Overall COPD	BRSK2	cg15465743	rs12575817	T	C	0.328	0.050	0.060	6.14E-11	-0.017	0.016	0.290	0.011	42.753	TRUE	1.11E-10
Overall COPD	BRSK2	cg15465743	rs138604115	T	C	0.297	0.053	0.049	2.28E-08	-0.025	0.015	0.095	0.008	31.223	TRUE	4.50E-08
Overall COPD	BRSK2	cg15465743	rs145553613	C	T	-0.933	0.106	0.031	1.43E-18	0.071	0.037	0.057	0.020	77.316	TRUE	6.00E-18
Overall COPD	BRSK2	cg15465743	rs28672782	T	C	0.302	0.031	0.184	7.16E-23	0.011	0.009	0.236	0.026	96.884	TRUE	2.70E-22
Overall COPD	BRSK2	cg15465743	rs34666042	T	C	-0.350	0.031	0.164	6.79E-29	-0.012	0.010	0.215	0.033	124.359	TRUE	4.03E-28
Overall COPD	BRSK2	cg15465743	rs3793964	T	C	0.412	0.024	0.368	1.82E-66	0.000	0.007	0.988	0.074	296.429	TRUE	1.57E-64
Overall COPD	BRSK2	cg15465743	rs66496921	C	G	0.210	0.024	0.405	3.29E-18	-0.019	0.007	0.009	0.020	75.665	TRUE	1.94E-17
Overall COPD	BRSK2	cg15465743	rs77338313	A	G	-0.908	0.101	0.031	2.22E-19	-0.018	0.025	0.465	0.021	80.989	TRUE	5.27E-19
Overall COPD	BRSK2	cg15465743	rs78131782	C	T	-0.726	0.108	0.031	1.73E-11	0.003	0.030	0.914	0.012	45.227	TRUE	2.20E-11
Overall COPD	BRSK2	cg15465743	rs868903	T	C	0.206	0.032	0.473	1.24E-10	-0.021	0.008	0.008	0.011	41.371	TRUE	4.13E-10

Overall COPD	BRSK2	cg15803845	rs10766272	T	C	0.679	0.061	0.046	1.03E-28	0.010	0.020	0.627	0.032	123.528	TRUE	3.68E-28
Overall COPD	BRSK2	cg15803845	rs10832803	T	C	-0.389	0.033	0.159	1.03E-32	-0.013	0.009	0.139	0.037	141.815	TRUE	9.70E-32
Overall COPD	BRSK2	cg15803845	rs10837856	T	G	0.306	0.053	0.051	7.61E-09	0.005	0.015	0.744	0.009	33.355	TRUE	9.67E-09
Overall COPD	BRSK2	cg15803845	rs113476683	T	G	-0.466	0.038	0.106	1.83E-34	-0.019	0.010	0.076	0.039	149.814	TRUE	2.47E-33
Overall COPD	BRSK2	cg15803845	rs11599943	T	C	0.706	0.066	0.031	1.29E-26	0.005	0.019	0.812	0.030	113.958	TRUE	3.44E-26
Overall COPD	BRSK2	cg15803845	rs117355168	T	C	-0.528	0.085	0.019	4.63E-10	-0.035	0.019	0.069	0.010	38.805	TRUE	1.07E-09
Overall COPD	BRSK2	cg15803845	rs12277732	G	A	-0.280	0.045	0.079	4.49E-10	-0.027	0.019	0.143	0.010	38.868	TRUE	9.09E-10
Overall COPD	BRSK2	cg15803845	rs12792005	A	G	-0.449	0.064	0.038	2.66E-12	-0.006	0.017	0.733	0.013	48.901	TRUE	3.81E-12
Overall COPD	BRSK2	cg15803845	rs181332597	T	C	0.650	0.100	0.036	9.82E-11	0.034	0.030	0.249	0.011	41.835	TRUE	1.83E-10
Overall COPD	BRSK2	cg15803845	rs2735703	G	A	0.329	0.041	0.092	7.83E-16	-0.008	0.011	0.469	0.017	64.877	TRUE	1.55E-15
Overall COPD	BRSK2	cg15803845	rs28555282	T	C	-0.569	0.023	0.398	7.00E-133	-0.015	0.007	0.026	0.140	601.412	TRUE	1.97E-124
Overall COPD	BRSK2	cg15803845	rs3793964	T	C	-0.354	0.024	0.368	4.99E-49	0.000	0.007	0.988	0.055	216.484	TRUE	6.29E-48
Overall COPD	BRSK2	cg15803845	rs4255564	C	T	1.050	0.020	0.260	<1E-200	0.007	0.008	0.382	0.418	2655.638	TRUE	<1E-200
Overall COPD	BRSK2	cg15803845	rs56126327	G	C	0.439	0.047	0.135	8.81E-21	-0.012	0.010	0.237	0.023	87.364	TRUE	2.91E-20
Overall COPD	BRSK2	cg15803845	rs60078451	A	T	0.329	0.050	0.065	3.07E-11	0.020	0.013	0.122	0.012	44.111	TRUE	6.85E-11
Overall COPD	BRSK2	cg15803845	rs61082503	T	G	-0.366	0.024	0.464	2.52E-53	0.013	0.010	0.225	0.060	236.173	TRUE	1.44E-51
Overall COPD	BRSK2	cg15803845	rs61869676	A	G	0.414	0.046	0.127	4.61E-19	0.013	0.010	0.176	0.021	79.545	TRUE	1.50E-18
Overall COPD	BRSK2	cg15803845	rs66658795	T	C	-0.345	0.023	0.445	2.56E-49	-0.005	0.007	0.467	0.056	217.808	TRUE	6.19E-48
Overall COPD	BRSK2	cg15803845	rs72847985	A	G	0.243	0.033	0.146	1.82E-13	-0.002	0.009	0.860	0.014	54.162	TRUE	2.53E-13
Overall COPD	BRSK2	cg15803845	rs76324386	T	C	-0.324	0.046	0.072	1.38E-12	0.028	0.013	0.032	0.013	50.191	TRUE	4.28E-12
Overall COPD	BRSK2	cg15803845	rs77338313	A	G	0.922	0.101	0.031	6.24E-20	-0.018	0.025	0.465	0.022	83.497	TRUE	1.53E-19
Overall COPD	BRSK2	cg15803845	rs79956640	G	A	-0.612	0.082	0.022	1.23E-13	-0.022	0.021	0.286	0.015	54.932	TRUE	2.56E-13
Overall COPD	BRSK2	cg16022876	rs7395835	C	T	0.275	0.025	0.316	1.69E-28	0.002	0.007	0.755	0.032	122.557	TRUE	5.28E-28
Overall COPD	BRSK2	cg16274762	rs11604075	T	C	0.228	0.026	0.285	6.77E-19	0.016	0.007	0.034	0.021	78.788	TRUE	3.26E-18
Overall COPD	BRSK2	cg16274762	rs7932863	A	G	0.312	0.026	0.270	2.94E-32	0.007	0.008	0.382	0.036	139.727	TRUE	1.75E-31
Overall COPD	BRSK2	cg16414796	rs10832574	T	C	0.251	0.024	0.390	5.03E-25	-0.007	0.007	0.290	0.028	106.699	TRUE	2.02E-24
Overall COPD	BRSK2	cg16414796	rs11604075	T	C	0.210	0.026	0.285	3.47E-16	0.016	0.007	0.034	0.018	66.482	TRUE	1.37E-15
Overall COPD	BRSK2	cg16414796	rs117107041	A	G	0.290	0.051	0.053	1.70E-08	0.014	0.015	0.360	0.009	31.790	TRUE	2.62E-08
Overall COPD	BRSK2	cg16414796	rs3793964	T	C	-0.235	0.024	0.368	2.82E-22	0.000	0.007	0.988	0.025	94.169	TRUE	5.21E-22
Overall COPD	BRSK2	cg16414796	rs7395567	T	C	0.562	0.026	0.266	1.49E-103	0.007	0.008	0.382	0.112	466.683	TRUE	1.21E-98
Overall COPD	BRSK2	cg16793525	rs7395567	T	C	0.273	0.027	0.266	6.94E-25	0.007	0.008	0.382	0.028	106.062	TRUE	2.47E-24
Overall COPD	BRSK2	cg16885982	rs10833257	T	C	-0.193	0.024	0.471	2.26E-16	0.013	0.007	0.053	0.018	67.323	TRUE	8.29E-16
Overall COPD	BRSK2	cg16885982	rs34805614	C	A	-0.160	0.024	0.451	1.98E-11	-0.010	0.007	0.132	0.012	44.964	TRUE	4.41E-11
Overall COPD	BRSK2	cg16885982	rs35700114	G	A	0.193	0.028	0.208	1.28E-11	-0.019	0.009	0.032	0.012	45.817	TRUE	3.72E-11
Overall COPD	BRSK2	cg16885982	rs5743931	T	C	0.192	0.031	0.171	8.45E-10	0.016	0.009	0.058	0.010	37.632	TRUE	1.97E-09
Overall COPD	BRSK2	cg16885982	rs61082503	T	G	-0.261	0.024	0.464	1.22E-27	0.013	0.010	0.225	0.031	118.641	TRUE	6.46E-27
Overall COPD	BRSK2	cg16885982	rs61867471	T	C	-0.173	0.031	0.180	2.69E-08	0.008	0.009	0.371	0.008	30.903	TRUE	4.07E-08
Overall COPD	BRSK2	cg16885982	rs61869711	T	C	0.136	0.025	0.329	4.99E-08	-0.004	0.007	0.578	0.008	29.703	TRUE	6.69E-08
Overall COPD	BRSK2	cg16885982	rs74542903	T	C	0.706	0.035	0.118	1.50E-88	0.001	0.011	0.948	0.097	397.785	TRUE	3.25E-85
Overall COPD	BRSK2	cg17018661	rs11606628	T	C	-0.270	0.026	0.278	2.83E-25	0.013	0.008	0.122	0.028	107.837	TRUE	1.56E-24
Overall COPD	BRSK2	cg17018661	rs116865438	T	C	0.746	0.095	0.016	4.24E-15	0.033	0.028	0.233	0.016	61.552	TRUE	1.01E-14
Overall COPD	BRSK2	cg17018661	rs11822087	C	A	-0.161	0.027	0.262	2.22E-09	-0.014	0.008	0.092	0.010	35.751	TRUE	4.68E-09

Overall COPD	BRSK2	cg17018661	rs12786504	A	G	0.208	0.034	0.138	1.25E-09	0.006	0.010	0.592	0.010	36.866	TRUE	1.76E-09
Overall COPD	BRSK2	cg17018661	rs1565368	T	C	0.180	0.028	0.222	1.45E-10	-0.013	0.008	0.094	0.011	41.075	TRUE	3.27E-10
Overall COPD	BRSK2	cg17018661	rs2471912	G	A	-0.279	0.023	0.476	7.29E-33	-0.018	0.007	0.009	0.037	142.496	TRUE	1.52E-31
Overall COPD	BRSK2	cg17018661	rs7102832	T	C	0.153	0.028	0.238	4.27E-08	0.006	0.008	0.457	0.008	30.007	TRUE	6.10E-08
Overall COPD	BRSK2	cg17018661	rs7395006	C	T	0.153	0.024	0.387	4.01E-10	-0.008	0.007	0.255	0.010	39.085	TRUE	7.22E-10
Overall COPD	BRSK2	cg17018661	rs75723867	A	C	-0.208	0.026	0.283	1.24E-15	0.010	0.009	0.272	0.017	63.972	TRUE	2.91E-15
Overall COPD	BRSK2	cg17018661	rs7932863	A	G	0.525	0.026	0.270	7.77E-91	0.007	0.008	0.382	0.099	408.282	TRUE	6.35E-87
Overall COPD	BRSK2	cg17018661	rs9651654	C	T	0.233	0.028	0.237	4.69E-17	-0.007	0.008	0.380	0.019	70.426	TRUE	1.06E-16
Overall COPD	BRSK2	cg17416644	rs10832803	T	C	-0.440	0.033	0.159	1.39E-41	-0.013	0.009	0.139	0.047	182.393	TRUE	2.90E-40
Overall COPD	BRSK2	cg17416644	rs10837856	T	G	0.320	0.053	0.051	1.58E-09	0.005	0.015	0.744	0.010	36.415	TRUE	2.05E-09
Overall COPD	BRSK2	cg17416644	rs113476683	T	G	-0.581	0.038	0.106	3.40E-53	-0.019	0.010	0.076	0.060	235.575	TRUE	3.17E-51
Overall COPD	BRSK2	cg17416644	rs11599943	T	C	0.757	0.066	0.031	2.04E-30	0.005	0.019	0.812	0.034	131.317	TRUE	6.86E-30
Overall COPD	BRSK2	cg17416644	rs116927247	T	C	-0.526	0.072	0.026	4.02E-13	-0.024	0.017	0.167	0.014	52.603	TRUE	9.35E-13
Overall COPD	BRSK2	cg17416644	rs11825487	T	C	0.236	0.030	0.180	7.15E-15	0.008	0.009	0.332	0.016	60.525	TRUE	1.52E-14
Overall COPD	BRSK2	cg17416644	rs12792005	A	G	-0.592	0.064	0.038	2.38E-20	-0.006	0.017	0.733	0.023	85.398	TRUE	4.82E-20
Overall COPD	BRSK2	cg17416644	rs145553613	C	T	0.882	0.106	0.031	1.01E-16	0.071	0.037	0.057	0.018	68.919	TRUE	3.73E-16
Overall COPD	BRSK2	cg17416644	rs28533997	C	T	-0.189	0.029	0.235	4.53E-11	-0.001	0.015	0.934	0.012	43.349	TRUE	5.61E-11
Overall COPD	BRSK2	cg17416644	rs28555282	T	C	-0.782	0.022	0.398	1.95E-271	-0.015	0.007	0.026	0.251	1238.419	TRUE	7.81E-243
Overall COPD	BRSK2	cg17416644	rs28699476	G	A	0.268	0.028	0.213	1.96E-21	0.024	0.013	0.053	0.024	90.337	TRUE	1.03E-20
Overall COPD	BRSK2	cg17416644	rs3793964	T	C	-0.331	0.024	0.368	5.70E-43	0.000	0.007	0.988	0.049	188.736	TRUE	4.17E-42
Overall COPD	BRSK2	cg17416644	rs60078451	A	T	0.313	0.050	0.065	2.57E-10	0.020	0.013	0.122	0.011	39.954	TRUE	5.45E-10
Overall COPD	BRSK2	cg17416644	rs61082503	T	G	-0.436	0.024	0.464	2.76E-76	0.013	0.010	0.225	0.085	341.485	TRUE	3.23E-73
Overall COPD	BRSK2	cg17416644	rs61869676	A	G	0.462	0.046	0.127	1.79E-23	0.013	0.010	0.176	0.026	99.628	TRUE	7.74E-23
Overall COPD	BRSK2	cg17416644	rs7103274	A	G	-0.182	0.030	0.197	1.39E-09	0.028	0.008	9.93E-04	0.010	36.669	TRUE	5.28E-09
Overall COPD	BRSK2	cg17416644	rs7108443	G	T	-0.426	0.042	0.089	7.84E-24	-0.019	0.012	0.105	0.027	101.263	TRUE	4.07E-23
Overall COPD	BRSK2	cg17416644	rs72847985	A	G	0.319	0.033	0.146	2.76E-22	-0.002	0.009	0.860	0.025	94.213	TRUE	5.59E-22
Overall COPD	BRSK2	cg17416644	rs76324386	T	C	-0.321	0.046	0.072	2.28E-12	0.028	0.013	0.032	0.013	49.204	TRUE	6.97E-12
Overall COPD	BRSK2	cg17416644	rs77338313	A	G	0.972	0.101	0.031	4.70E-22	-0.018	0.025	0.465	0.025	93.160	TRUE	1.30E-21
Overall COPD	BRSK2	cg17416644	rs79956640	G	A	-0.773	0.082	0.022	5.42E-21	-0.022	0.021	0.286	0.023	88.326	TRUE	1.70E-20
Overall COPD	BRSK2	cg17416644	rs868903	T	C	-0.193	0.032	0.473	1.65E-09	-0.021	0.008	0.008	0.010	36.326	TRUE	5.00E-09
Overall COPD	BRSK2	cg17429870	rs10734285	A	C	-0.245	0.031	0.172	4.93E-15	0.007	0.009	0.466	0.016	61.254	TRUE	9.42E-15
Overall COPD	BRSK2	cg17429870	rs11029917	T	C	-0.283	0.037	0.116	2.29E-14	-0.016	0.014	0.250	0.015	58.236	TRUE	5.13E-14
Overall COPD	BRSK2	cg17429870	rs11604075	T	C	0.498	0.025	0.285	1.07E-86	0.016	0.007	0.034	0.095	389.270	TRUE	1.84E-82
Overall COPD	BRSK2	cg17429870	rs117107041	A	G	0.605	0.051	0.053	2.47E-32	0.014	0.015	0.360	0.036	140.069	TRUE	1.53E-31
Overall COPD	BRSK2	cg17429870	rs145553613	C	T	0.894	0.106	0.031	3.95E-17	0.071	0.037	0.057	0.019	70.763	TRUE	1.50E-16
Overall COPD	BRSK2	cg17429870	rs1715357	G	A	0.376	0.053	0.052	1.24E-12	0.004	0.015	0.786	0.013	50.396	TRUE	1.75E-12
Overall COPD	BRSK2	cg17429870	rs200301065	T	C	-0.421	0.072	0.032	4.26E-09	-0.015	0.024	0.538	0.009	34.483	TRUE	6.05E-09
Overall COPD	BRSK2	cg17429870	rs28672782	T	C	-0.370	0.031	0.184	8.22E-34	0.011	0.009	0.236	0.038	146.829	TRUE	6.88E-33
Overall COPD	BRSK2	cg17429870	rs34666042	T	C	0.341	0.031	0.164	2.30E-27	-0.012	0.010	0.215	0.031	117.376	TRUE	1.22E-26
Overall COPD	BRSK2	cg17429870	rs3793964	T	C	-0.374	0.024	0.368	7.41E-55	0.000	0.007	0.988	0.062	243.195	TRUE	1.68E-53
Overall COPD	BRSK2	cg17429870	rs4077759	C	T	-0.148	0.025	0.370	1.64E-09	-0.002	0.008	0.825	0.010	36.339	TRUE	2.05E-09
Overall COPD	BRSK2	cg17429870	rs5743915	A	G	0.216	0.024	0.415	7.94E-20	0.011	0.007	0.123	0.022	83.020	TRUE	3.00E-19

Overall COPD	BRSK2	cg17429870	rs66496921	C	G	-0.175	0.024	0.405	4.24E-13	-0.019	0.007	0.009	0.014	52.501	TRUE	1.67E-12
Overall COPD	BRSK2	cg17429870	rs72847939	T	C	-0.457	0.081	0.017	1.62E-08	0.002	0.027	0.947	0.009	31.892	TRUE	1.86E-08
Overall COPD	BRSK2	cg17429870	rs7395006	C	T	0.367	0.024	0.387	2.18E-52	-0.008	0.007	0.255	0.059	231.874	TRUE	1.05E-50
Overall COPD	BRSK2	cg17429870	rs77338313	A	G	0.937	0.101	0.031	1.53E-20	-0.018	0.025	0.465	0.023	86.273	TRUE	3.87E-20
Overall COPD	BRSK2	cg17429870	rs80138399	A	G	-0.271	0.046	0.076	3.83E-09	0.019	0.013	0.151	0.009	34.690	TRUE	7.29E-09
Overall COPD	BRSK2	cg17658113	rs10734285	A	C	0.234	0.031	0.172	6.57E-14	0.007	0.009	0.466	0.015	56.163	TRUE	1.19E-13
Overall COPD	BRSK2	cg17658113	rs11039094	C	G	-0.229	0.036	0.116	1.96E-10	-0.005	0.010	0.604	0.011	40.483	TRUE	2.82E-10
Overall COPD	BRSK2	cg17658113	rs11603080	A	C	-0.402	0.054	0.048	1.06E-13	0.006	0.016	0.715	0.015	55.227	TRUE	1.62E-13
Overall COPD	BRSK2	cg17658113	rs11604075	T	C	-0.387	0.026	0.285	4.70E-52	0.016	0.007	0.034	0.059	230.346	TRUE	5.23E-50
Overall COPD	BRSK2	cg17658113	rs11604757	T	C	-0.204	0.036	0.118	1.99E-08	0.001	0.011	0.935	0.008	31.484	TRUE	2.30E-08
Overall COPD	BRSK2	cg17658113	rs117107041	A	G	-0.629	0.051	0.053	7.43E-35	0.014	0.015	0.360	0.039	151.601	TRUE	5.58E-34
Overall COPD	BRSK2	cg17658113	rs12282543	G	A	0.275	0.029	0.221	5.98E-22	0.015	0.011	0.170	0.024	92.684	TRUE	2.36E-21
Overall COPD	BRSK2	cg17658113	rs145553613	C	T	-0.878	0.106	0.031	1.40E-16	0.071	0.037	0.057	0.018	68.263	TRUE	5.15E-16
Overall COPD	BRSK2	cg17658113	rs34666042	T	C	-0.335	0.031	0.164	1.78E-26	-0.012	0.010	0.215	0.030	113.320	TRUE	8.86E-26
Overall COPD	BRSK2	cg17658113	rs4881724	A	G	0.248	0.037	0.116	2.15E-11	-0.016	0.011	0.130	0.012	44.804	TRUE	4.79E-11
Overall COPD	BRSK2	cg17658113	rs55813014	C	T	0.405	0.023	0.473	1.88E-68	-0.015	0.007	0.025	0.076	305.549	TRUE	2.03E-65
Overall COPD	BRSK2	cg17658113	rs5743915	A	G	-0.208	0.024	0.415	1.86E-18	0.011	0.007	0.123	0.020	76.787	TRUE	6.44E-18
Overall COPD	BRSK2	cg17658113	rs7395006	C	T	-0.344	0.024	0.387	5.18E-46	-0.008	0.007	0.255	0.052	202.666	TRUE	1.27E-44
Overall COPD	BRSK2	cg17658113	rs76324386	T	C	0.292	0.046	0.072	1.73E-10	0.028	0.013	0.032	0.011	40.728	TRUE	4.65E-10
Overall COPD	BRSK2	cg17658113	rs77338313	A	G	-0.950	0.101	0.031	4.12E-21	-0.018	0.025	0.465	0.023	88.871	TRUE	1.07E-20
Overall COPD	BRSK2	cg17658113	rs78131782	C	T	-0.659	0.108	0.031	1.06E-09	0.003	0.030	0.914	0.010	37.194	TRUE	1.28E-09
Overall COPD	BRSK2	cg17658113	rs868903	T	C	0.203	0.032	0.473	2.37E-10	-0.021	0.008	0.008	0.011	40.114	TRUE	7.68E-10
Overall COPD	BRSK2	cg18039789	rs10766282	T	A	0.548	0.061	0.046	1.85E-19	0.010	0.020	0.627	0.022	81.352	TRUE	3.87E-19
Overall COPD	BRSK2	cg18039789	rs10832955	T	C	-0.273	0.024	0.368	1.45E-29	-0.011	0.007	0.122	0.033	127.429	TRUE	1.10E-28
Overall COPD	BRSK2	cg18039789	rs10835060	T	G	-0.198	0.029	0.193	2.06E-11	-0.006	0.008	0.486	0.012	44.891	TRUE	3.30E-11
Overall COPD	BRSK2	cg18039789	rs113008778	T	C	-0.357	0.064	0.066	2.57E-08	0.060	0.027	0.027	0.008	30.990	TRUE	6.05E-08
Overall COPD	BRSK2	cg18039789	rs117654829	T	A	0.581	0.098	0.038	3.44E-09	0.034	0.030	0.249	0.009	34.898	TRUE	5.94E-09
Overall COPD	BRSK2	cg18039789	rs34666042	T	C	0.265	0.032	0.164	4.59E-17	-0.012	0.010	0.215	0.019	70.465	TRUE	1.25E-16
Overall COPD	BRSK2	cg18039789	rs4963076	T	C	0.331	0.023	0.498	1.32E-45	0.010	0.007	0.151	0.051	200.810	TRUE	3.97E-44
Overall COPD	BRSK2	cg18039789	rs5743915	A	G	0.142	0.024	0.415	2.33E-09	0.011	0.007	0.123	0.010	35.655	TRUE	4.67E-09
Overall COPD	BRSK2	cg18039789	rs61867539	T	C	0.242	0.027	0.245	4.77E-19	0.017	0.008	0.036	0.021	79.480	TRUE	2.30E-18
Overall COPD	BRSK2	cg18039789	rs7395006	C	T	0.224	0.024	0.387	3.67E-20	-0.008	0.007	0.255	0.022	84.546	TRUE	1.14E-19
Overall COPD	BRSK2	cg18039789	rs77338313	A	G	0.829	0.101	0.031	2.52E-16	-0.018	0.025	0.465	0.018	67.107	TRUE	5.13E-16
Overall COPD	BRSK2	cg18049328	rs10766282	T	A	0.414	0.061	0.046	1.03E-11	0.010	0.020	0.627	0.012	46.244	TRUE	1.54E-11
Overall COPD	BRSK2	cg18049328	rs10832574	T	C	0.180	0.024	0.390	1.53E-13	-0.007	0.007	0.290	0.015	54.506	TRUE	3.15E-13
Overall COPD	BRSK2	cg18049328	rs11604075	T	C	0.251	0.026	0.285	1.85E-22	0.016	0.007	0.034	0.025	95.004	TRUE	1.16E-21
Overall COPD	BRSK2	cg18049328	rs34666042	T	C	0.180	0.032	0.164	1.20E-08	-0.012	0.010	0.215	0.009	32.462	TRUE	2.09E-08
Overall COPD	BRSK2	cg18049328	rs3793964	T	C	-0.214	0.024	0.368	1.23E-18	0.000	0.007	0.988	0.021	77.605	TRUE	1.93E-18
Overall COPD	BRSK2	cg18049328	rs4312093	A	G	-0.205	0.031	0.176	4.69E-11	0.013	0.010	0.229	0.012	43.279	TRUE	9.06E-11
Overall COPD	BRSK2	cg18049328	rs7395567	T	C	0.633	0.026	0.266	8.32E-133	0.007	0.008	0.382	0.140	601.073	TRUE	3.37E-125
Overall COPD	BRSK2	cg18049328	rs77338313	A	G	0.597	0.102	0.031	4.23E-09	-0.018	0.025	0.465	0.009	34.496	TRUE	6.26E-09
Overall COPD	BRSK2	cg18133074	rs60707923	A	G	-0.223	0.026	0.260	2.37E-17	-0.003	0.008	0.689	0.019	71.773	TRUE	4.28E-17

Overall COPD	BRSK2	cg18509719	rs10832574	T	C	-0.172	0.024	0.390	1.67E-12	-0.007	0.007	0.290	0.013	49.814	TRUE	3.27E-12
Overall COPD	BRSK2	cg18509719	rs11029917	T	C	0.294	0.037	0.116	1.98E-15	-0.016	0.014	0.250	0.017	63.051	TRUE	4.70E-15
Overall COPD	BRSK2	cg18509719	rs115584864	C	G	0.165	0.026	0.273	3.44E-10	-0.014	0.008	0.090	0.011	39.389	TRUE	7.63E-10
Overall COPD	BRSK2	cg18509719	rs11604075	T	C	-0.223	0.026	0.285	4.23E-18	0.016	0.007	0.034	0.020	75.171	TRUE	1.92E-17
Overall COPD	BRSK2	cg18509719	rs117107041	A	G	-0.346	0.051	0.053	1.67E-11	0.014	0.015	0.360	0.012	45.301	TRUE	2.94E-11
Overall COPD	BRSK2	cg18509719	rs117479064	C	T	0.384	0.068	0.034	1.98E-08	-0.029	0.017	0.087	0.008	31.499	TRUE	3.97E-08
Overall COPD	BRSK2	cg18509719	rs1881509	A	G	0.242	0.031	0.177	6.24E-15	0.007	0.009	0.441	0.016	60.792	TRUE	1.21E-14
Overall COPD	BRSK2	cg18509719	rs28454072	T	G	-0.294	0.053	0.051	3.42E-08	0.006	0.015	0.687	0.008	30.439	TRUE	4.37E-08
Overall COPD	BRSK2	cg18509719	rs34666042	T	C	-0.215	0.032	0.164	9.74E-12	-0.012	0.010	0.215	0.012	46.354	TRUE	1.98E-11
Overall COPD	BRSK2	cg18509719	rs5743915	A	G	-0.130	0.024	0.415	4.18E-08	0.011	0.007	0.123	0.008	30.048	TRUE	7.79E-08
Overall COPD	BRSK2	cg18509719	rs7395567	T	C	-0.702	0.025	0.266	3.93E-168	0.007	0.008	0.382	0.171	763.426	TRUE	1.54E-156
Overall COPD	BRSK2	cg18509719	rs868903	T	C	0.179	0.032	0.473	2.24E-08	-0.021	0.008	0.008	0.008	31.261	TRUE	6.17E-08
Overall COPD	BRSK2	cg18539086	rs11607958	C	T	0.135	0.025	0.348	4.32E-08	0.018	0.007	0.012	0.008	29.982	TRUE	1.11E-07
Overall COPD	BRSK2	cg18539086	rs117107041	A	G	0.295	0.051	0.053	8.65E-09	0.014	0.015	0.360	0.009	33.106	TRUE	1.35E-08
Overall COPD	BRSK2	cg18539086	rs3793964	T	C	-0.136	0.024	0.368	1.95E-08	0.000	0.007	0.988	0.008	31.523	TRUE	2.21E-08
Overall COPD	BRSK2	cg19494188	rs7395567	T	C	0.294	0.027	0.266	1.24E-28	0.007	0.008	0.382	0.032	123.169	TRUE	5.66E-28
Overall COPD	BRSK2	cg19613205	rs10766282	T	A	0.504	0.061	0.046	1.08E-16	0.010	0.020	0.627	0.018	68.789	TRUE	1.97E-16
Overall COPD	BRSK2	cg19613205	rs10835060	T	G	-0.213	0.029	0.193	4.87E-13	-0.006	0.008	0.486	0.014	52.227	TRUE	8.38E-13
Overall COPD	BRSK2	cg19613205	rs10902093	G	A	0.142	0.025	0.325	2.09E-08	-0.013	0.007	0.065	0.008	31.390	TRUE	4.40E-08
Overall COPD	BRSK2	cg19613205	rs11029917	T	C	-0.216	0.037	0.116	5.45E-09	-0.016	0.014	0.250	0.009	34.002	TRUE	9.31E-09
Overall COPD	BRSK2	cg19613205	rs11606628	T	C	0.277	0.026	0.278	2.32E-26	0.013	0.008	0.122	0.030	112.797	TRUE	1.38E-25
Overall COPD	BRSK2	cg19613205	rs117107041	A	G	0.529	0.051	0.053	5.78E-25	0.014	0.015	0.360	0.028	106.426	TRUE	2.12E-24
Overall COPD	BRSK2	cg19613205	rs12286473	G	A	-0.238	0.040	0.176	4.12E-09	0.018	0.011	0.120	0.009	34.547	TRUE	8.17E-09
Overall COPD	BRSK2	cg19613205	rs12808343	G	A	-0.229	0.028	0.235	4.34E-16	0.014	0.008	0.088	0.018	66.042	TRUE	1.40E-15
Overall COPD	BRSK2	cg19613205	rs145553613	C	T	0.863	0.106	0.031	4.91E-16	0.071	0.037	0.057	0.017	65.795	TRUE	1.74E-15
Overall COPD	BRSK2	cg19613205	rs34666042	T	C	0.300	0.032	0.164	1.82E-21	-0.012	0.010	0.215	0.024	90.481	TRUE	6.48E-21
Overall COPD	BRSK2	cg19613205	rs3793964	T	C	-0.345	0.024	0.368	1.64E-46	0.000	0.007	0.988	0.052	204.950	TRUE	1.64E-45
Overall COPD	BRSK2	cg19613205	rs66496921	C	G	-0.145	0.024	0.405	1.86E-09	-0.019	0.007	0.009	0.010	36.093	TRUE	5.49E-09
Overall COPD	BRSK2	cg19613205	rs7395006	C	T	0.305	0.024	0.387	1.87E-36	-0.008	0.007	0.255	0.041	158.916	TRUE	1.89E-35
Overall COPD	BRSK2	cg19613205	rs7395567	T	C	0.870	0.025	0.266	3.24E-272	0.007	0.008	0.382	0.251	1242.003	TRUE	1.22E-244
Overall COPD	BRSK2	cg19613205	rs77338313	A	G	0.684	0.101	0.031	1.51E-11	-0.018	0.025	0.465	0.012	45.497	TRUE	2.47E-11
Overall COPD	BRSK2	cg19613205	rs78928236	T	C	0.293	0.053	0.049	4.27E-08	0.008	0.018	0.648	0.008	30.006	TRUE	5.55E-08
Overall COPD	BRSK2	cg19713911	rs11035302	C	A	0.147	0.026	0.313	9.26E-09	-0.017	0.007	0.023	0.009	32.974	TRUE	2.31E-08
Overall COPD	BRSK2	cg19713911	rs112781328	T	A	0.315	0.041	0.088	1.17E-14	-0.041	0.014	0.005	0.016	59.551	TRUE	5.77E-14
Overall COPD	BRSK2	cg19713911	rs117107041	A	G	-0.338	0.051	0.053	4.21E-11	0.014	0.015	0.360	0.012	43.491	TRUE	7.27E-11
Overall COPD	BRSK2	cg19713911	rs3168046	A	G	-0.202	0.024	0.447	2.32E-17	0.013	0.007	0.056	0.019	71.814	TRUE	8.99E-17
Overall COPD	BRSK2	cg19713911	rs77338313	A	G	-0.609	0.102	0.031	2.10E-09	-0.018	0.025	0.465	0.010	35.856	TRUE	3.15E-09
Overall COPD	BRSK2	cg19713911	rs7932863	A	G	-0.441	0.026	0.270	4.39E-64	0.007	0.008	0.382	0.072	285.502	TRUE	6.64E-62
Overall COPD	BRSK2	cg20129113	rs10766750	T	C	0.643	0.030	0.178	3.46E-104	0.005	0.009	0.593	0.113	469.592	TRUE	2.06E-99
Overall COPD	BRSK2	cg20129113	rs11029977	T	C	0.151	0.024	0.389	2.43E-10	-0.018	0.007	0.009	0.011	40.063	TRUE	7.74E-10
Overall COPD	BRSK2	cg20129113	rs113969661	T	C	0.525	0.084	0.018	3.83E-10	0.002	0.026	0.953	0.010	39.179	TRUE	4.58E-10
Overall COPD	BRSK2	cg20129113	rs114715203	C	T	-0.472	0.069	0.035	6.37E-12	0.002	0.021	0.917	0.013	47.186	TRUE	8.18E-12

Overall COPD	BRSK2	cg20129113	rs115584864	C	G	-0.199	0.026	0.273	1.12E-14	-0.014	0.008	0.090	0.016	59.633	TRUE	3.29E-14
Overall COPD	BRSK2	cg20129113	rs116813619	A	G	-0.740	0.126	0.010	4.18E-09	-0.024	0.037	0.513	0.009	34.520	TRUE	6.02E-09
Overall COPD	BRSK2	cg20129113	rs1317780	G	C	-0.190	0.028	0.225	1.33E-11	0.009	0.008	0.231	0.012	45.752	TRUE	2.63E-11
Overall COPD	BRSK2	cg20129113	rs2029463	T	C	0.238	0.034	0.132	2.05E-12	-0.022	0.010	0.024	0.013	49.413	TRUE	6.58E-12
Overall COPD	BRSK2	cg20129113	rs2943527	A	G	0.146	0.025	0.319	2.77E-09	0.007	0.008	0.354	0.009	35.323	TRUE	4.42E-09
Overall COPD	BRSK2	cg20129113	rs79956640	G	A	0.570	0.081	0.022	1.80E-12	-0.022	0.021	0.286	0.013	49.665	TRUE	3.53E-12
Overall COPD	BRSK2	cg20415517	rs28587036	A	T	-0.245	0.024	0.330	1.35E-23	-0.004	0.008	0.601	0.026	100.193	TRUE	3.59E-23
Overall COPD	BRSK2	cg21782309	rs10831708	A	C	-0.229	0.032	0.165	5.00E-13	-0.025	0.009	0.004	0.014	52.176	TRUE	2.17E-12
Overall COPD	BRSK2	cg21782309	rs117148214	G	T	-1.835	0.072	0.027	9.13E-145	-0.006	0.018	0.742	0.151	656.032	TRUE	3.02E-136
Overall COPD	BRSK2	cg21782309	rs12575675	G	T	-0.239	0.029	0.209	2.81E-16	0.008	0.008	0.376	0.018	66.898	TRUE	6.14E-16
Overall COPD	BRSK2	cg21782309	rs17173843	T	C	-0.223	0.032	0.166	1.69E-12	0.005	0.009	0.581	0.013	49.791	TRUE	2.67E-12
Overall COPD	BRSK2	cg21782309	rs5743899	C	T	-0.217	0.029	0.209	8.99E-14	-0.010	0.008	0.217	0.015	55.546	TRUE	2.03E-13
Overall COPD	BRSK2	cg21782309	rs6421028	G	A	-0.173	0.025	0.337	4.23E-12	-0.012	0.007	0.099	0.013	47.990	TRUE	1.04E-11
Overall COPD	BRSK2	cg21782309	rs72850947	A	G	-0.392	0.048	0.073	2.20E-16	0.012	0.013	0.371	0.018	67.382	TRUE	4.85E-16
Overall COPD	BRSK2	cg21782309	rs75723867	A	C	-0.154	0.026	0.283	3.73E-09	0.010	0.009	0.272	0.009	34.742	TRUE	6.30E-09
Overall COPD	BRSK2	cg21782309	rs7932863	A	G	0.169	0.027	0.270	1.84E-10	0.007	0.008	0.382	0.011	40.606	TRUE	3.04E-10
Overall COPD	BRSK2	cg21782309	rs7935124	A	G	-0.298	0.033	0.152	2.92E-19	-0.004	0.009	0.706	0.021	80.447	TRUE	5.71E-19
Overall COPD	BRSK2	cg21782309	rs80228114	T	G	-0.239	0.029	0.201	5.24E-16	-0.018	0.008	0.025	0.017	65.670	TRUE	2.16E-15
Overall COPD	BRSK2	cg21919719	rs10832574	T	C	0.263	0.024	0.390	2.48E-27	-0.007	0.007	0.290	0.031	117.222	TRUE	1.17E-26
Overall COPD	BRSK2	cg21919719	rs10837858	A	G	0.354	0.053	0.051	2.33E-11	0.004	0.015	0.786	0.012	44.647	TRUE	3.14E-11
Overall COPD	BRSK2	cg21919719	rs115584864	C	G	-0.228	0.026	0.273	2.79E-18	-0.014	0.008	0.090	0.020	75.990	TRUE	1.03E-17
Overall COPD	BRSK2	cg21919719	rs11604075	T	C	0.296	0.026	0.285	1.37E-30	0.016	0.007	0.034	0.034	132.101	TRUE	1.68E-29
Overall COPD	BRSK2	cg21919719	rs117107041	A	G	0.488	0.051	0.053	1.93E-21	0.014	0.015	0.360	0.024	90.368	TRUE	5.70E-21
Overall COPD	BRSK2	cg21919719	rs12286473	G	A	-0.233	0.040	0.176	8.37E-09	0.018	0.011	0.120	0.009	33.170	TRUE	1.63E-08
Overall COPD	BRSK2	cg21919719	rs145553613	C	T	0.829	0.106	0.031	6.49E-15	0.071	0.037	0.057	0.016	60.714	TRUE	2.13E-14
Overall COPD	BRSK2	cg21919719	rs151218125	T	C	-0.373	0.055	0.049	1.02E-11	-0.024	0.016	0.129	0.012	46.260	TRUE	2.32E-11
Overall COPD	BRSK2	cg21919719	rs34666042	T	C	0.311	0.031	0.164	5.72E-23	-0.012	0.010	0.215	0.026	97.330	TRUE	2.24E-22
Overall COPD	BRSK2	cg21919719	rs55813014	C	T	-0.372	0.023	0.473	1.36E-57	-0.015	0.007	0.025	0.065	255.742	TRUE	3.33E-55
Overall COPD	BRSK2	cg21919719	rs77338313	A	G	0.736	0.101	0.031	3.81E-13	-0.018	0.025	0.465	0.014	52.708	TRUE	6.69E-13
Overall COPD	BRSK2	cg23163513	rs2334501	T	C	-0.199	0.027	0.256	1.46E-13	-0.011	0.008	0.139	0.015	54.592	TRUE	3.63E-13
Overall COPD	BRSK2	cg23163513	rs3829225	T	C	-0.324	0.025	0.306	5.85E-40	-0.009	0.007	0.213	0.045	174.954	TRUE	8.72E-39
Overall COPD	BRSK2	cg23163513	rs555319376	T	G	-1.425	0.171	0.012	9.35E-17	-0.076	0.038	0.048	0.018	69.064	TRUE	3.59E-16
Overall COPD	BRSK2	cg23372535	rs12788273	A	G	0.192	0.026	0.277	1.51E-13	0.013	0.019	0.469	0.015	54.522	TRUE	2.70E-13
Overall COPD	BRSK2	cg23571839	rs10832442	C	T	-0.225	0.024	0.412	2.36E-21	-0.014	0.007	0.035	0.024	89.972	TRUE	1.35E-20
Overall COPD	BRSK2	cg23571839	rs11025835	G	A	0.345	0.054	0.058	1.83E-10	-0.001	0.016	0.942	0.011	40.617	TRUE	2.22E-10
Overall COPD	BRSK2	cg23571839	rs141653894	T	C	-0.334	0.051	0.061	5.75E-11	-0.013	0.015	0.398	0.011	42.880	TRUE	9.61E-11
Overall COPD	BRSK2	cg23571839	rs145490652	G	A	0.235	0.042	0.090	2.92E-08	-0.020	0.012	0.103	0.008	30.741	TRUE	5.66E-08
Overall COPD	BRSK2	cg23571839	rs61867657	T	C	-0.515	0.023	0.473	4.20E-110	-0.012	0.007	0.086	0.118	496.766	TRUE	3.64E-104
Overall COPD	BRSK2	cg23571839	rs7947308	T	C	0.226	0.030	0.185	3.63E-14	-0.004	0.009	0.690	0.015	57.326	TRUE	5.74E-14
Overall COPD	BRSK2	cg23571839	rs908224	G	T	0.189	0.024	0.350	6.89E-15	0.001	0.009	0.927	0.016	60.597	TRUE	9.71E-15
Overall COPD	BRSK2	cg24206507	rs9795439	A	G	-0.289	0.030	0.190	1.25E-22	-0.006	0.008	0.486	0.025	95.789	TRUE	3.48E-22
Overall COPD	BRSK2	cg25271479	rs11603080	A	C	0.363	0.054	0.048	1.89E-11	0.006	0.016	0.715	0.012	45.055	TRUE	2.66E-11

Overall COPD	BRSK2	cg25271479	rs11606628	T	C	0.289	0.026	0.278	8.75E-29	0.013	0.008	0.122	0.032	123.857	TRUE	6.29E-28
Overall COPD	BRSK2	cg25271479	rs117107041	A	G	0.628	0.051	0.053	9.78E-35	0.014	0.015	0.360	0.039	151.056	TRUE	7.27E-34
Overall COPD	BRSK2	cg25271479	rs117654829	T	A	0.703	0.098	0.038	8.03E-13	0.034	0.030	0.249	0.014	51.247	TRUE	1.66E-12
Overall COPD	BRSK2	cg25271479	rs12286473	G	A	-0.330	0.040	0.176	2.47E-16	0.018	0.011	0.120	0.018	67.148	TRUE	7.52E-16
Overall COPD	BRSK2	cg25271479	rs12575817	T	C	-0.276	0.050	0.060	3.88E-08	-0.017	0.016	0.290	0.008	30.192	TRUE	6.17E-08
Overall COPD	BRSK2	cg25271479	rs12808343	G	A	-0.157	0.028	0.235	2.58E-08	0.014	0.008	0.088	0.008	30.986	TRUE	5.13E-08
Overall COPD	BRSK2	cg25271479	rs34666042	T	C	0.365	0.031	0.164	2.84E-31	-0.012	0.010	0.215	0.035	135.228	TRUE	2.02E-30
Overall COPD	BRSK2	cg25271479	rs3793964	T	C	-0.421	0.024	0.368	1.72E-69	0.000	0.007	0.988	0.077	310.307	TRUE	2.18E-67
Overall COPD	BRSK2	cg25271479	rs60707923	A	G	-0.159	0.027	0.260	2.69E-09	-0.003	0.008	0.689	0.009	35.380	TRUE	3.56E-09
Overall COPD	BRSK2	cg25271479	rs66496921	C	G	-0.207	0.024	0.405	9.78E-18	-0.019	0.007	0.009	0.019	73.517	TRUE	5.54E-17
Overall COPD	BRSK2	cg25271479	rs7395006	C	T	0.332	0.024	0.387	5.22E-43	-0.008	0.007	0.255	0.049	188.912	TRUE	9.52E-42
Overall COPD	BRSK2	cg25271479	rs7479551	T	A	0.139	0.025	0.342	3.15E-08	-0.016	0.008	0.033	0.008	30.596	TRUE	7.20E-08
Overall COPD	BRSK2	cg25271479	rs76324386	T	C	-0.269	0.046	0.072	4.31E-09	0.028	0.013	0.032	0.009	34.461	TRUE	1.05E-08
Overall COPD	BRSK2	cg25271479	rs77338313	A	G	0.884	0.101	0.031	2.09E-18	-0.018	0.025	0.465	0.020	76.558	TRUE	4.73E-18
Overall COPD	BRSK2	cg25271479	rs78131782	C	T	0.648	0.108	0.031	2.07E-09	0.003	0.030	0.914	0.010	35.884	TRUE	2.48E-09
Overall COPD	BRSK2	cg25271479	rs868903	T	C	-0.177	0.032	0.473	3.11E-08	-0.021	0.008	0.008	0.008	30.621	TRUE	8.47E-08
Overall COPD	BRSK2	cg25630794	rs11604075	T	C	0.147	0.025	0.285	8.22E-09	0.016	0.007	0.034	0.009	33.204	TRUE	1.95E-08
Overall COPD	BRSK2	cg25630794	rs7395567	T	C	0.326	0.026	0.266	8.56E-36	0.007	0.008	0.382	0.040	155.894	TRUE	6.72E-35
Overall COPD	BRSK2	cg25836589	rs10766599	G	A	0.308	0.027	0.270	3.17E-30	0.015	0.008	0.069	0.034	130.439	TRUE	3.07E-29
Overall COPD	BRSK2	cg25836589	rs115584864	C	G	-0.149	0.026	0.273	1.30E-08	-0.014	0.008	0.090	0.009	32.311	TRUE	2.63E-08
Overall COPD	BRSK2	cg26367591	rs7395567	T	C	-0.252	0.026	0.266	1.86E-21	0.007	0.008	0.382	0.024	90.443	TRUE	5.36E-21
Overall COPD	BRSK2	cg26677995	rs10832805	C	G	-0.207	0.029	0.217	8.20E-13	-0.019	0.008	0.019	0.014	51.207	TRUE	2.83E-12
Overall COPD	BRSK2	cg26677995	rs11028763	C	T	-0.182	0.024	0.359	1.13E-13	-0.017	0.007	0.021	0.015	55.094	TRUE	4.09E-13
Overall COPD	BRSK2	cg26677995	rs117107041	A	G	0.292	0.051	0.053	1.39E-08	0.014	0.015	0.360	0.009	32.188	TRUE	2.14E-08
Overall COPD	BRSK2	cg26677995	rs12787736	T	C	-0.342	0.032	0.156	8.77E-27	0.022	0.011	0.049	0.030	114.724	TRUE	7.08E-26
Overall COPD	BRSK2	cg26677995	rs34666042	T	C	0.276	0.032	0.164	1.99E-18	-0.012	0.010	0.215	0.020	76.657	TRUE	5.87E-18
Overall COPD	BRSK2	cg26677995	rs3793964	T	C	-0.268	0.024	0.368	1.46E-28	0.000	0.007	0.988	0.032	122.838	TRUE	3.78E-28
Overall COPD	BRSK2	cg26677995	rs7395567	T	C	0.826	0.025	0.266	1.48E-241	0.007	0.008	0.382	0.229	1101.004	TRUE	2.62E-219
Overall COPD	BRSK2	cg26677995	rs77338313	A	G	0.769	0.101	0.031	3.09E-14	-0.018	0.025	0.465	0.015	57.643	TRUE	5.70E-14
Overall COPD	C1orf200	cg07793148	rs4477280	A	G	-0.308	0.024	0.388	3.15E-38	-0.014	0.007	0.035	0.043	167.029	TRUE	7.77E-37
Overall COPD	C1orf200	cg14989202	rs7518793	C	T	-0.172	0.029	0.215	1.70E-09	-0.001	0.008	0.905	0.010	36.269	TRUE	2.05E-09
Overall COPD	C1orf200	cg16597045	rs7518602	C	T	-0.163	0.024	0.392	7.66E-12	-0.013	0.007	0.074	0.013	46.826	TRUE	1.95E-11
Overall COPD	CAMKK2	cg03865604	rs1109453	A	G	-0.147	0.025	0.322	2.31E-09	-0.001	0.008	0.936	0.010	35.671	TRUE	2.73E-09
Overall COPD	CAMKK2	cg04615865	rs2686341	T	C	-0.163	0.024	0.479	4.61E-12	0.015	0.007	0.028	0.013	47.819	TRUE	1.41E-11
Overall COPD	CAMKK2	cg06150302	rs2686342	T	A	-0.265	0.029	0.206	2.43E-20	0.005	0.009	0.535	0.023	85.357	TRUE	5.73E-20
Overall COPD	CAMKK2	cg12590521	rs2686341	T	C	-0.193	0.024	0.479	2.87E-16	0.015	0.007	0.028	0.018	66.857	TRUE	1.19E-15
Overall COPD	CAMKK2	cg14504499	rs1109453	A	G	-0.211	0.025	0.322	2.54E-17	-0.001	0.008	0.936	0.019	71.637	TRUE	3.90E-17
Overall COPD	CAMKK2	cg14504499	rs17526121	T	A	-0.232	0.042	0.086	3.27E-08	-0.003	0.011	0.802	0.008	30.521	TRUE	3.98E-08
Overall COPD	CAMKK2	cg14504499	rs2001701	A	G	-0.701	0.073	0.033	6.19E-22	-0.011	0.017	0.511	0.024	92.615	TRUE	1.62E-21
Overall COPD	CAMKK2	cg14504499	rs3850518	A	G	0.156	0.028	0.234	2.24E-08	0.009	0.009	0.282	0.008	31.261	TRUE	3.61E-08
Overall COPD	CAMKK2	cg16942632	rs147798098	T	C	-0.297	0.037	0.113	2.16E-15	-0.014	0.010	0.176	0.017	62.875	TRUE	5.65E-15
Overall COPD	CAMKK2	cg16942632	rs78772517	C	G	0.564	0.046	0.069	1.34E-34	0.010	0.014	0.470	0.039	150.423	TRUE	8.60E-34

Overall COPD	CAMKK2	cg16942632	rs7964571	T	C	-0.259	0.025	0.325	1.81E-25	-0.001	0.008	0.936	0.029	108.722	TRUE	4.10E-25
Overall COPD	CAMKK2	cg17541002	rs11610379	T	C	0.366	0.060	0.034	1.27E-09	0.003	0.018	0.866	0.010	36.835	TRUE	1.56E-09
Overall COPD	CAMKK2	cg17541002	rs116881341	A	G	0.638	0.098	0.016	6.97E-11	-0.015	0.027	0.581	0.011	42.504	TRUE	1.03E-10
Overall COPD	CAMKK2	cg17541002	rs116953937	G	C	1.094	0.149	0.011	2.35E-13	-0.067	0.036	0.067	0.014	53.661	TRUE	6.72E-13
Overall COPD	CAMKK2	cg17541002	rs2071271	T	C	0.167	0.025	0.297	5.64E-11	0.005	0.007	0.457	0.011	42.917	TRUE	9.06E-11
Overall COPD	CAMKK2	cg17541002	rs2686338	A	G	-0.183	0.029	0.204	3.91E-10	0.005	0.009	0.589	0.010	39.135	TRUE	5.62E-10
Overall COPD	CAMKK2	cg17541002	rs35379941	T	A	0.200	0.032	0.157	3.19E-10	0.001	0.012	0.946	0.011	39.531	TRUE	3.84E-10
Overall COPD	CAMKK2	cg17541002	rs79623919	T	C	0.194	0.026	0.255	1.62E-13	-0.008	0.007	0.298	0.014	54.392	TRUE	3.31E-13
Overall COPD	CAMKK2	cg21858483	rs11609701	T	C	-0.353	0.054	0.094	5.16E-11	-0.015	0.013	0.248	0.012	43.091	TRUE	9.77E-11
Overall COPD	CAMKK2	cg21858483	rs140031782	A	G	0.348	0.061	0.033	1.37E-08	0.000	0.019	0.990	0.009	32.215	TRUE	1.55E-08
Overall COPD	CAMKK2	cg21858483	rs2567979	T	G	-0.192	0.031	0.174	5.97E-10	-0.007	0.012	0.526	0.010	38.311	TRUE	8.82E-10
Overall COPD	CAMKK2	cg21858483	rs2686344	T	C	-0.219	0.027	0.247	1.49E-15	0.011	0.008	0.154	0.017	63.614	TRUE	4.06E-15
Overall COPD	CAMKK2	cg21858483	rs28360477	T	C	0.366	0.055	0.050	2.65E-11	0.025	0.017	0.155	0.012	44.399	TRUE	5.65E-11
Overall COPD	CAMKK2	cg21858483	rs3886929	C	A	0.263	0.041	0.090	1.10E-10	0.020	0.016	0.223	0.011	41.616	TRUE	2.09E-10
Overall COPD	CAMKK2	cg21858483	rs9805130	A	G	0.563	0.023	0.402	2.25E-131	0.002	0.007	0.782	0.138	594.493	TRUE	2.81E-124
Overall COPD	CAMKK2	cg23235876	rs2001701	A	G	-0.417	0.073	0.033	1.23E-08	-0.011	0.017	0.511	0.009	32.415	TRUE	1.75E-08
Overall COPD	CAMKK2	cg23383531	rs3794205	A	G	-0.224	0.025	0.307	4.59E-19	-0.009	0.007	0.202	0.021	79.556	TRUE	1.43E-18
Overall COPD	CAMKK2	cg27088822	rs28360453	T	C	-0.293	0.050	0.060	5.60E-09	-0.016	0.015	0.295	0.009	33.949	TRUE	9.23E-09
Overall COPD	CAMKK2	cg27277183	rs12823779	A	T	-0.396	0.025	0.303	3.76E-55	-0.010	0.007	0.181	0.062	244.543	TRUE	2.97E-53
Overall COPD	CAMKK2	cg27277183	rs1653604	C	T	0.177	0.023	0.473	1.97E-14	-0.014	0.007	0.036	0.016	58.528	TRUE	6.84E-14
Overall COPD	CAMKK2	cg27277183	rs2071273	G	C	0.353	0.051	0.051	5.56E-12	-0.015	0.015	0.314	0.013	47.454	TRUE	1.04E-11
Overall COPD	CAMKK2	cg27277183	rs208302	A	G	0.149	0.027	0.235	4.14E-08	0.001	0.008	0.935	0.008	30.068	TRUE	4.74E-08
Overall COPD	CAMKK2	cg27277183	rs3892756	C	A	-0.228	0.040	0.094	1.44E-08	-0.018	0.011	0.108	0.009	32.114	TRUE	2.82E-08
Overall COPD	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	0.002	0.007	0.811	0.014	51.004	TRUE	1.27E-12
Overall COPD	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	0.018	0.009	0.035	0.015	57.165	TRUE	1.35E-13
Overall COPD	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	-0.009	0.008	0.230	0.016	58.619	TRUE	4.34E-14
Overall COPD	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	-0.008	0.010	0.417	0.021	79.794	TRUE	9.95E-19
Overall COPD	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	0.001	0.007	0.926	0.016	60.177	TRUE	1.20E-14
Overall COPD	CAPZB	cg03542686	rs71645451	C	G	0.178	0.033	0.147	4.36E-08	-0.014	0.010	0.169	0.008	29.965	TRUE	7.68E-08
Overall COPD	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	-0.011	0.007	0.105	0.012	44.854	TRUE	4.87E-11
Overall COPD	CAPZB	cg06788764	rs10158117	C	G	0.160	0.026	0.262	5.75E-10	-0.014	0.007	0.060	0.010	38.384	TRUE	1.35E-09
Overall COPD	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	0.004	0.007	0.599	0.014	51.114	TRUE	1.36E-12
Overall COPD	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	-0.003	0.009	0.752	0.053	206.399	TRUE	1.05E-45
Overall COPD	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	0.000	0.007	0.949	0.046	177.180	TRUE	1.18E-39
Overall COPD	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	-0.011	0.007	0.109	0.013	48.807	TRUE	6.77E-12
Overall COPD	CAPZB	cg07573717	rs75797435	T	A	-1.535	0.054	0.051	4.48E-178	0.024	0.016	0.149	0.179	809.134	TRUE	8.08E-165
Overall COPD	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	-0.015	0.008	0.059	0.024	89.554	TRUE	1.47E-20
Overall COPD	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	0.006	0.011	0.586	0.016	58.979	TRUE	2.69E-14
Overall COPD	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	0.003	0.007	0.671	0.014	52.185	TRUE	7.61E-13
Overall COPD	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	0.005	0.014	0.730	0.010	38.411	TRUE	7.53E-10
Overall COPD	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	-0.006	0.023	0.798	0.017	65.252	TRUE	1.03E-15
Overall COPD	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	-0.008	0.008	0.350	0.012	46.328	TRUE	1.77E-11

Overall COPD	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	-0.016	0.013	0.214	0.023	87.676	TRUE	2.58E-20
Overall COPD	CAPZB	cg07905985	rs61759272	G	C	-0.184	0.029	0.196	3.30E-10	-0.005	0.009	0.583	0.011	39.469	TRUE	4.76E-10
Overall COPD	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	-0.016	0.016	0.320	0.157	690.976	TRUE	1.43E-142
Overall COPD	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	0.007	0.007	0.357	0.038	146.098	TRUE	8.13E-33
Overall COPD	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	-0.003	0.007	0.648	0.017	65.137	TRUE	1.20E-15
Overall COPD	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	-0.015	0.008	0.059	0.029	112.158	TRUE	2.34E-25
Overall COPD	CAPZB	cg09976716	rs11591018	T	A	-0.346	0.051	0.102	7.32E-12	0.009	0.014	0.520	0.013	46.915	TRUE	1.17E-11
Overall COPD	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	-0.006	0.008	0.466	0.017	63.025	TRUE	3.90E-15
Overall COPD	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	-0.006	0.023	0.798	0.021	77.636	TRUE	2.16E-18
Overall COPD	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	-0.017	0.016	0.289	0.176	788.461	TRUE	3.60E-161
Overall COPD	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.005	0.010	0.616	0.023	87.333	TRUE	2.02E-20
Overall COPD	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	0.000	0.008	0.988	0.015	54.760	TRUE	1.75E-13
Overall COPD	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	0.009	0.007	0.214	0.029	110.736	TRUE	3.14E-25
Overall COPD	CAPZB	cg09976716	rs709683	G	C	-0.200	0.024	0.402	3.86E-17	0.004	0.007	0.557	0.019	70.807	TRUE	7.61E-17
Overall COPD	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	-0.048	0.027	0.071	0.019	72.434	TRUE	6.28E-17
Overall COPD	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	-0.011	0.007	0.145	0.029	109.424	TRUE	6.81E-25
Overall COPD	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	-0.003	0.007	0.648	0.016	60.748	TRUE	1.07E-14
Overall COPD	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	-0.010	0.008	0.212	0.036	138.191	TRUE	4.80E-31
Overall COPD	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	-0.003	0.009	0.695	0.027	103.494	TRUE	6.52E-24
Overall COPD	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	0.011	0.022	0.608	0.057	225.435	TRUE	1.32E-49
Overall COPD	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	0.011	0.008	0.153	0.012	45.046	TRUE	4.10E-11
Overall COPD	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	0.000	0.007	0.989	0.010	39.037	TRUE	4.84E-10
Overall COPD	CAPZB	cg11335264	rs75797435	T	A	-0.951	0.056	0.051	2.93E-64	0.024	0.016	0.149	0.072	286.312	TRUE	7.94E-62
Overall COPD	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	0.004	0.007	0.564	0.024	90.352	TRUE	4.74E-21
Overall COPD	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	0.004	0.013	0.769	0.010	36.405	TRUE	2.04E-09
Overall COPD	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	-0.016	0.007	0.031	0.008	31.000	TRUE	5.92E-08
Overall COPD	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	-0.015	0.008	0.042	0.012	43.676	TRUE	1.03E-10
Overall COPD	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	-0.011	0.007	0.102	0.113	470.631	TRUE	5.13E-99
Overall COPD	CAPZB	cg12763668	rs3762389	T	A	0.204	0.025	0.351	2.15E-16	-0.016	0.007	0.029	0.018	67.425	TRUE	8.90E-16
Overall COPD	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	-0.016	0.013	0.214	0.010	37.399	TRUE	1.75E-09
Overall COPD	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	-0.017	0.017	0.323	0.031	116.757	TRUE	1.40E-26
Overall COPD	CAPZB	cg12763668	rs72653937	T	A	-0.356	0.045	0.080	1.35E-15	0.018	0.011	0.102	0.017	63.809	TRUE	4.06E-15
Overall COPD	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	0.002	0.007	0.818	0.013	48.842	TRUE	3.75E-12
Overall COPD	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	0.014	0.008	0.086	0.010	39.006	TRUE	9.32E-10
Overall COPD	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	-0.016	0.016	0.321	0.011	39.860	TRUE	4.63E-10
Overall COPD	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	0.014	0.008	0.075	0.022	82.598	TRUE	4.19E-19
Overall COPD	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	-0.016	0.007	0.030	0.069	275.362	TRUE	2.87E-59
Overall COPD	CAPZB	cg15136975	rs61766717	A	T	0.357	0.054	0.047	5.33E-11	-0.013	0.016	0.432	0.011	43.029	TRUE	8.71E-11
Overall COPD	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	0.008	0.025	0.754	0.009	34.016	TRUE	6.89E-09
Overall COPD	CAPZB	cg16694480	rs115472911	G	C	0.442	0.055	0.047	5.22E-16	-0.013	0.016	0.428	0.017	65.677	TRUE	1.08E-15
Overall COPD	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	-0.014	0.008	0.065	0.010	37.070	TRUE	2.56E-09
Overall COPD	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	0.014	0.008	0.074	0.028	108.057	TRUE	1.63E-24

Overall COPD	CAPZB	cg19713429	rs115472911	G	C	0.404	0.055	0.047	1.36E-13	-0.013	0.016	0.428	0.015	54.737	TRUE	2.50E-13
Overall COPD	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	0.002	0.007	0.818	0.016	60.828	TRUE	9.23E-15
Overall COPD	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	-0.027	0.020	0.161	0.008	31.371	TRUE	3.82E-08
Overall COPD	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	-0.015	0.007	0.024	0.036	139.868	TRUE	4.29E-31
Overall COPD	CAPZB	cg23111655	rs10799817	C	G	-0.251	0.024	0.380	2.29E-25	0.004	0.007	0.565	0.028	108.259	TRUE	6.99E-25
Overall COPD	CAPZB	cg23111655	rs113042236	A	T	-0.271	0.047	0.063	9.36E-09	0.005	0.014	0.742	0.009	32.952	TRUE	1.19E-08
Overall COPD	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.008	0.021	0.702	0.017	64.571	TRUE	1.53E-15
Overall COPD	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	-0.006	0.013	0.642	0.013	48.114	TRUE	5.96E-12
Overall COPD	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	-0.021	0.019	0.255	0.058	228.169	TRUE	6.17E-50
Overall COPD	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	-0.008	0.009	0.364	0.009	33.355	TRUE	1.19E-08
Overall COPD	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	-0.006	0.023	0.798	0.014	51.486	TRUE	1.00E-12
Overall COPD	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	-0.015	0.009	0.089	0.015	57.323	TRUE	1.04E-13
Overall COPD	CAPZB	cg23111655	rs4147449	G	C	-0.446	0.077	0.027	8.72E-09	-0.033	0.023	0.151	0.009	33.090	TRUE	1.63E-08
Overall COPD	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	-0.012	0.007	0.111	0.279	1428.478	TRUE	9.86E-277
Overall COPD	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	-0.004	0.007	0.625	0.015	55.710	TRUE	1.34E-13
Overall COPD	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	-0.009	0.010	0.377	0.027	103.222	TRUE	1.00E-23
Overall COPD	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	0.009	0.007	0.250	0.028	108.269	TRUE	9.92E-25
Overall COPD	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	0.016	0.021	0.449	0.016	60.028	TRUE	1.76E-14
Overall COPD	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	-0.001	0.020	0.954	0.011	40.234	TRUE	2.68E-10
Overall COPD	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	0.009	0.012	0.429	0.008	30.840	TRUE	4.06E-08
Overall COPD	CAPZB	cg23519022	rs41264091	T	A	-0.244	0.028	0.229	8.94E-19	0.016	0.008	0.047	0.021	78.239	TRUE	3.97E-18
Overall COPD	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	-0.015	0.008	0.042	0.009	35.321	TRUE	6.58E-09
Overall COPD	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	-0.008	0.009	0.344	0.013	50.196	TRUE	2.57E-12
Overall COPD	CAPZB	cg24593138	rs113042236	A	T	-0.407	0.047	0.063	6.10E-18	0.005	0.014	0.742	0.020	74.447	TRUE	1.09E-17
Overall COPD	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	0.009	0.007	0.202	0.021	80.717	TRUE	8.08E-19
Overall COPD	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	-0.011	0.007	0.106	0.486	3497.727	TRUE	<1E-200
Overall COPD	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	0.007	0.013	0.619	0.065	255.447	TRUE	7.48E-56
Overall COPD	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	0.008	0.025	0.754	0.011	41.110	TRUE	1.90E-10
Overall COPD	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	0.018	0.009	0.035	0.012	45.732	TRUE	3.84E-11
Overall COPD	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	-0.008	0.017	0.619	0.031	116.494	TRUE	1.17E-26
Overall COPD	CAPZB	cg24593138	rs72653926	A	G	-0.311	0.024	0.428	9.53E-40	0.007	0.010	0.445	0.045	173.981	TRUE	9.60E-39
Overall COPD	CAPZB	cg24593138	rs72653937	T	A	-0.509	0.044	0.080	1.85E-30	0.018	0.011	0.102	0.034	131.507	TRUE	1.61E-29
Overall COPD	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	0.008	0.017	0.628	0.009	34.569	TRUE	5.53E-09
Overall COPD	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	-0.015	0.007	0.040	0.023	85.418	TRUE	1.22E-19
Overall COPD	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	0.017	0.024	0.491	0.012	44.067	TRUE	4.98E-11
Overall COPD	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	0.016	0.021	0.449	0.013	47.360	TRUE	9.82E-12
Overall COPD	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	-0.001	0.020	0.954	0.009	33.401	TRUE	8.60E-09
Overall COPD	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	-0.012	0.013	0.356	0.049	190.977	TRUE	2.96E-42
Overall COPD	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	-0.012	0.008	0.120	0.018	69.504	TRUE	2.35E-16
Overall COPD	CAPZB	cg24671886	rs76799277	C	G	0.646	0.109	0.020	2.86E-09	-0.022	0.019	0.255	0.009	35.259	TRUE	4.93E-09
Overall COPD	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	-0.001	0.007	0.871	0.090	365.961	TRUE	1.05E-78
Overall COPD	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	-0.015	0.008	0.042	0.018	69.668	TRUE	2.75E-16

Overall COPD	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	0.002	0.013	0.882	0.012	45.307	TRUE	2.15E-11
Overall COPD	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.008	0.021	0.702	0.030	116.327	TRUE	1.18E-26
Overall COPD	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	-0.006	0.013	0.642	0.021	78.333	TRUE	1.71E-18
Overall COPD	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	-0.014	0.016	0.398	0.083	336.849	TRUE	1.91E-72
Overall COPD	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	0.005	0.012	0.669	0.011	41.990	TRUE	1.28E-10
Overall COPD	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	-0.008	0.009	0.364	0.016	58.238	TRUE	4.59E-14
Overall COPD	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	-0.006	0.023	0.798	0.027	101.634	TRUE	1.50E-23
Overall COPD	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	-0.015	0.009	0.089	0.030	115.217	TRUE	4.69E-26
Overall COPD	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	0.013	0.008	0.088	0.028	107.564	TRUE	1.97E-24
Overall COPD	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	-0.013	0.008	0.099	0.443	2945.622	TRUE	<1E-200
Overall COPD	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	0.000	0.009	0.999	0.013	47.945	TRUE	5.34E-12
Overall COPD	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	-0.007	0.011	0.500	0.013	48.424	TRUE	5.57E-12
Overall COPD	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	0.008	0.025	0.754	0.023	85.868	TRUE	3.76E-20
Overall COPD	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	-0.002	0.007	0.801	0.022	83.390	TRUE	1.24E-19
Overall COPD	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	-0.048	0.027	0.071	0.009	34.763	TRUE	8.01E-09
Overall COPD	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	0.016	0.021	0.449	0.029	109.754	TRUE	3.76E-25
Overall COPD	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	-0.001	0.020	0.954	0.025	95.335	TRUE	3.00E-22
Overall COPD	CASP9	cg05660106	rs1006147	C	T	-0.412	0.024	0.371	1.13E-66	0.006	0.007	0.421	0.074	297.378	TRUE	2.23E-64
Overall COPD	CASP9	cg05660106	rs10803400	T	C	-0.243	0.030	0.198	5.80E-16	0.005	0.009	0.614	0.017	65.469	TRUE	1.04E-15
Overall COPD	CASP9	cg05660106	rs12091731	T	C	0.438	0.030	0.173	7.25E-47	-0.008	0.008	0.363	0.053	206.577	TRUE	1.60E-45
Overall COPD	CASP9	cg05660106	rs146916007	T	C	1.036	0.087	0.020	9.23E-33	-0.028	0.021	0.197	0.037	142.027	TRUE	7.65E-32
Overall COPD	CASP9	cg05660106	rs1737344	G	A	0.161	0.025	0.343	5.82E-11	-0.002	0.007	0.805	0.011	42.856	TRUE	7.68E-11
Overall COPD	CASP9	cg05660106	rs1827281	T	C	0.502	0.066	0.033	2.04E-14	0.033	0.019	0.074	0.016	58.466	TRUE	6.13E-14
Overall COPD	CASP9	cg05660106	rs2308950	T	C	0.985	0.094	0.015	1.85E-25	-0.068	0.025	0.008	0.029	108.679	TRUE	2.06E-24
Overall COPD	CASP9	cg05660106	rs2496322	C	G	0.167	0.026	0.286	1.28E-10	0.003	0.008	0.678	0.011	41.322	TRUE	1.78E-10
Overall COPD	CASP9	cg05660106	rs2549316	G	A	0.261	0.023	0.454	1.24E-29	-0.005	0.007	0.522	0.033	127.740	TRUE	5.19E-29
Overall COPD	CASP9	cg05660106	rs3753326	G	A	1.130	0.024	0.171	<1E-200	-0.023	0.009	0.011	0.378	2251.614	TRUE	<1E-200
Overall COPD	CASP9	cg05660106	rs41393951	A	G	0.289	0.029	0.208	8.42E-24	0.008	0.008	0.303	0.027	101.121	TRUE	3.07E-23
Overall COPD	CASP9	cg05660106	rs74526023	A	G	0.375	0.054	0.050	3.50E-12	-0.023	0.018	0.203	0.013	48.359	TRUE	7.38E-12
Overall COPD	CASP9	cg05660106	rs7556116	A	G	-0.272	0.032	0.176	1.06E-17	0.022	0.009	0.020	0.019	73.353	TRUE	5.18E-17
Overall COPD	CASP9	cg05660106	rs75598696	G	A	1.040	0.100	0.025	1.53E-25	-0.006	0.021	0.769	0.029	109.063	TRUE	3.96E-25
Overall COPD	CASP9	cg05660106	rs76368983	T	C	0.217	0.038	0.106	1.15E-08	-0.017	0.011	0.106	0.009	32.558	TRUE	2.26E-08
Overall COPD	CASP9	cg05660106	rs77808099	T	C	1.114	0.073	0.028	6.33E-53	-0.004	0.016	0.815	0.060	234.340	TRUE	1.43E-51
Overall COPD	CASP9	cg11404049	rs1052576	T	C	0.498	0.023	0.473	2.60E-106	0.008	0.007	0.259	0.115	479.351	TRUE	4.96E-101
Overall COPD	CASP9	cg11404049	rs1240337	A	C	0.287	0.042	0.084	7.08E-12	0.011	0.016	0.470	0.013	46.980	TRUE	1.17E-11
Overall COPD	CASP9	cg11404049	rs3815792	G	A	-0.137	0.025	0.327	4.22E-08	-0.005	0.007	0.545	0.008	30.031	TRUE	5.76E-08
Overall COPD	CASP9	cg11404049	rs61782444	G	A	-0.273	0.043	0.086	3.32E-10	-0.002	0.012	0.901	0.011	39.454	TRUE	4.09E-10
Overall COPD	CASP9	cg11404049	rs6659108	T	C	0.280	0.044	0.078	1.40E-10	-0.004	0.013	0.735	0.011	41.139	TRUE	1.89E-10
Overall COPD	CASP9	cg11404049	rs74054785	T	G	-0.312	0.047	0.062	4.14E-11	-0.015	0.012	0.196	0.012	43.524	TRUE	8.31E-11
Overall COPD	CASP9	cg11404049	rs7663	G	A	-0.168	0.024	0.469	1.07E-12	0.005	0.007	0.436	0.014	50.680	TRUE	1.88E-12
Overall COPD	CASP9	cg11404049	rs79412974	A	T	-0.222	0.040	0.091	4.07E-08	-0.023	0.013	0.067	0.008	30.102	TRUE	8.34E-08
Overall COPD	CASP9	cg14078231	rs116046573	C	T	0.626	0.107	0.022	4.91E-09	-0.023	0.029	0.433	0.009	34.206	TRUE	7.39E-09

Overall COPD	CASP9	cg14078231	rs12732044	T	C	-0.161	0.026	0.263	6.29E-10	0.000	0.008	0.950	0.010	38.209	TRUE	7.50E-10
Overall COPD	CASP9	cg14078231	rs41393951	A	G	0.159	0.028	0.208	2.12E-08	0.008	0.008	0.303	0.008	31.362	TRUE	3.38E-08
Overall COPD	CASP9	cg14078231	rs4645983	A	G	0.579	0.027	0.207	3.67E-100	-0.020	0.008	0.014	0.109	451.108	TRUE	1.12E-94
Overall COPD	CASP9	cg14078231	rs72645839	C	T	0.571	0.096	0.013	2.86E-09	-0.068	0.025	0.008	0.009	35.255	TRUE	8.49E-09
Overall COPD	CASP9	cg14078231	rs75598696	G	A	0.690	0.098	0.025	1.72E-12	-0.006	0.021	0.769	0.013	49.754	TRUE	2.43E-12
Overall COPD	CASP9	cg19267254	rs78232475	A	C	0.167	0.026	0.300	6.00E-11	-0.019	0.012	0.106	0.011	42.799	TRUE	1.35E-10
Overall COPD	CD164	cg08222271	rs6920962	T	A	-0.270	0.026	0.370	7.95E-25	0.017	0.007	0.015	0.028	105.795	TRUE	7.31E-24
Overall COPD	CD164	cg09416154	rs1832777	T	G	0.198	0.025	0.472	5.37E-15	-0.009	0.007	0.193	0.016	61.087	TRUE	1.34E-14
Overall COPD	CD164	cg09416154	rs36099706	C	A	-0.233	0.027	0.338	5.03E-18	0.018	0.007	0.009	0.020	74.827	TRUE	2.92E-17
Overall COPD	CD164	cg12940558	rs12204742	A	G	0.880	0.070	0.033	1.60E-36	-0.024	0.018	0.178	0.041	159.226	TRUE	1.90E-35
Overall COPD	CD28	cg10240150	rs11676147	C	A	-0.201	0.031	0.167	6.26E-11	-0.004	0.009	0.608	0.011	42.714	TRUE	9.16E-11
Overall COPD	CD28	cg10240150	rs3181096	T	C	0.311	0.024	0.362	1.11E-38	-0.016	0.007	0.026	0.044	169.098	TRUE	3.13E-37
Overall COPD	CD28	cg10240150	rs78522118	T	G	-0.190	0.033	0.147	5.10E-09	0.006	0.010	0.529	0.009	34.131	TRUE	7.27E-09
Overall COPD	CD3E	cg08956138	rs28423005	T	C	0.277	0.024	0.340	8.25E-30	-0.020	0.007	0.006	0.034	128.540	TRUE	1.43E-28
Overall COPD	CD3E	cg08956138	rs502514	C	T	-0.140	0.025	0.307	2.98E-08	0.015	0.007	0.033	0.008	30.706	TRUE	6.80E-08
Overall COPD	CD3E	cg18085869	rs17613576	T	G	-0.241	0.037	0.110	1.14E-10	0.003	0.011	0.819	0.011	41.535	TRUE	1.48E-10
Overall COPD	CD3E	cg18085869	rs3759000	C	T	-0.202	0.027	0.241	1.11E-13	0.008	0.008	0.270	0.015	55.137	TRUE	2.35E-13
Overall COPD	CD3E	cg27354586	rs11216819	G	A	-0.205	0.024	0.444	3.54E-18	0.000	0.007	0.976	0.020	75.522	TRUE	5.49E-18
Overall COPD	CD3E	cg27354586	rs12273260	T	C	-0.449	0.075	0.026	1.77E-09	0.043	0.020	0.037	0.010	36.187	TRUE	4.36E-09
Overall COPD	CD3E	cg27354586	rs149437310	G	A	-0.404	0.055	0.054	1.83E-13	0.035	0.026	0.180	0.014	54.145	TRUE	4.27E-13
Overall COPD	CD3E	cg27354586	rs1599810	A	G	-0.726	0.023	0.341	1.07E-214	0.016	0.007	0.019	0.209	977.494	TRUE	1.45E-195
Overall COPD	CD3E	cg27354586	rs3132893	A	C	0.220	0.036	0.127	1.18E-09	0.009	0.010	0.362	0.010	36.990	TRUE	1.90E-09
Overall COPD	CD3E	cg27354586	rs374689492	A	G	0.271	0.025	0.333	3.70E-27	-0.016	0.007	0.037	0.031	116.432	TRUE	3.31E-26
Overall COPD	CD3E	cg27354586	rs615144	A	C	-0.240	0.023	0.490	1.54E-24	0.007	0.007	0.314	0.027	104.487	TRUE	5.81E-24
Overall COPD	CD44	cg13369159	rs4756196	G	A	0.142	0.024	0.497	1.57E-09	0.014	0.007	0.035	0.010	36.429	TRUE	3.89E-09
Overall COPD	CD44	cg14082886	rs353584	A	T	0.169	0.024	0.378	2.16E-12	0.002	0.007	0.738	0.013	49.308	TRUE	3.10E-12
Overall COPD	CD44	cg14082886	rs663993	A	G	-0.286	0.030	0.187	1.86E-21	0.004	0.008	0.661	0.024	90.446	TRUE	4.19E-21
Overall COPD	CD44	cg16344511	rs11033028	T	C	0.223	0.026	0.290	3.48E-18	0.005	0.008	0.574	0.020	75.556	TRUE	7.12E-18
Overall COPD	CD44	cg16344511	rs2236272	C	T	0.215	0.029	0.208	6.36E-14	0.016	0.008	0.043	0.015	56.228	TRUE	2.06E-13
Overall COPD	CD44	cg16344511	rs353633	A	G	-0.145	0.025	0.307	1.04E-08	-0.009	0.007	0.207	0.009	32.748	TRUE	1.82E-08
Overall COPD	CD44	cg16344511	rs77030418	T	C	-0.264	0.037	0.101	1.83E-12	0.015	0.010	0.154	0.013	49.630	TRUE	4.18E-12
Overall COPD	CD44	cg16344511	rs7934466	G	C	-0.157	0.024	0.368	9.50E-11	-0.012	0.007	0.106	0.011	41.899	TRUE	2.12E-10
Overall COPD	CD44	cg16344511	rs9666607	A	G	-0.422	0.025	0.333	9.92E-66	-0.010	0.007	0.171	0.073	293.055	TRUE	3.04E-63
Overall COPD	CD44	cg20143092	rs12365962	A	G	-0.199	0.029	0.199	7.18E-12	0.011	0.008	0.180	0.013	46.952	TRUE	1.53E-11
Overall COPD	CD68	cg21808406	rs12942088	C	T	-0.177	0.024	0.386	1.82E-13	-0.014	0.007	0.035	0.014	54.160	TRUE	5.93E-13
Overall COPD	CDC42	cg11572548	rs11583790	A	G	0.442	0.035	0.138	6.87E-37	-0.037	0.010	1.46E-04	0.042	160.905	TRUE	5.20E-35
Overall COPD	CDC42	cg11572548	rs34870854	A	C	0.233	0.033	0.156	1.76E-12	-0.016	0.010	0.088	0.013	49.704	TRUE	4.53E-12
Overall COPD	CDC42	cg21772489	rs12747516	A	G	-0.189	0.032	0.154	4.11E-09	-0.006	0.010	0.529	0.009	34.550	TRUE	5.88E-09
Overall COPD	CDC42	cg21772489	rs78715691	C	T	-1.167	0.110	0.022	2.62E-26	-0.008	0.025	0.752	0.030	112.552	TRUE	7.20E-26
Overall COPD	CDC42	cg23987736	rs3754497	A	G	0.394	0.035	0.138	1.47E-29	-0.037	0.010	1.50E-04	0.033	127.395	TRUE	4.97E-28
Overall COPD	CDC42	cg23987736	rs4565679	C	T	-0.133	0.024	0.373	3.82E-08	0.003	0.007	0.649	0.008	30.224	TRUE	4.96E-08
Overall COPD	CDC42	cg23987736	rs7536301	T	C	-0.340	0.043	0.078	4.53E-15	0.007	0.012	0.544	0.016	61.420	TRUE	8.19E-15

Overall COPD	CDC42SE1	cg04469105	rs11205354	A	C	-0.142	0.023	0.444	1.46E-09	-0.003	0.007	0.663	0.010	36.562	TRUE	1.98E-09
Overall COPD	CDC42SE1	cg04469105	rs140086081	T	C	0.431	0.076	0.026	1.66E-08	-0.008	0.022	0.695	0.009	31.834	TRUE	2.14E-08
Overall COPD	CDC42SE1	cg04469105	rs1410259	A	G	0.338	0.038	0.105	1.14E-18	0.006	0.014	0.641	0.021	77.756	TRUE	2.27E-18
Overall COPD	CDC42SE1	cg04469105	rs146468719	C	A	-0.186	0.029	0.203	9.65E-11	-0.020	0.009	0.023	0.011	41.869	TRUE	2.78E-10
Overall COPD	CDC42SE1	cg04469105	rs3806386	T	C	0.661	0.029	0.198	3.22E-117	0.009	0.008	0.263	0.125	529.454	TRUE	5.62E-111
Overall COPD	CDC42SE1	cg04469105	rs4970989	T	A	0.173	0.029	0.205	4.47E-09	0.009	0.008	0.255	0.009	34.390	TRUE	7.63E-09
Overall COPD	CDC42SE1	cg04469105	rs525676	T	C	0.408	0.064	0.038	2.08E-10	0.000	0.018	0.993	0.011	40.364	TRUE	2.47E-10
Overall COPD	CDC42SE1	cg04469105	rs6686818	T	C	-0.145	0.023	0.463	3.80E-10	0.006	0.007	0.385	0.010	39.191	TRUE	6.18E-10
Overall COPD	CDC42SE1	cg04469105	rs71624514	T	C	0.323	0.045	0.076	8.60E-13	0.027	0.012	0.022	0.014	51.112	TRUE	2.88E-12
Overall COPD	CDC42SE1	cg04469105	rs77503411	A	G	0.554	0.091	0.017	1.26E-09	-0.018	0.028	0.524	0.010	36.849	TRUE	1.85E-09
Overall COPD	CHAD	cg05180443	rs117783823	G	A	0.226	0.033	0.151	1.22E-11	0.009	0.010	0.365	0.012	45.919	TRUE	2.15E-11
Overall COPD	CHAD	cg05180443	rs2277629	G	A	-0.250	0.026	0.293	5.02E-22	0.018	0.007	0.015	0.025	93.030	TRUE	3.66E-21
Overall COPD	CHAD	cg06818777	rs117262720	A	G	-0.274	0.042	0.082	6.20E-11	-0.004	0.013	0.756	0.011	42.734	TRUE	8.37E-11
Overall COPD	CHAD	cg06818777	rs117783823	G	A	0.334	0.033	0.151	9.95E-24	0.009	0.010	0.365	0.027	100.790	TRUE	3.36E-23
Overall COPD	CHAD	cg06818777	rs2277629	G	A	-0.359	0.026	0.293	3.38E-44	0.018	0.007	0.015	0.050	194.351	TRUE	2.01E-42
Overall COPD	CHAD	cg06818777	rs79416314	G	A	0.319	0.046	0.066	5.11E-12	-0.004	0.014	0.794	0.013	47.620	TRUE	7.01E-12
Overall COPD	CHAD	cg10421979	rs112828746	T	C	0.273	0.047	0.065	4.72E-09	-0.003	0.014	0.825	0.009	34.281	TRUE	5.82E-09
Overall COPD	CHAD	cg10421979	rs11656959	A	G	-0.276	0.026	0.299	3.29E-27	0.014	0.008	0.077	0.031	116.667	TRUE	2.42E-26
Overall COPD	CHAD	cg13764778	rs9896780	T	C	-0.151	0.026	0.296	4.42E-09	0.018	0.007	0.014	0.009	34.410	TRUE	1.20E-08
Overall COPD	CHAD	cg15880760	rs2277631	A	C	-0.251	0.026	0.292	2.88E-22	0.018	0.007	0.015	0.025	94.130	TRUE	2.14E-21
Overall COPD	CHAD	cg19046826	rs11656959	A	G	-0.269	0.026	0.299	9.28E-26	0.014	0.008	0.077	0.029	110.048	TRUE	6.09E-25
Overall COPD	CHAD	cg19046826	rs59955118	T	A	0.193	0.034	0.146	1.18E-08	0.009	0.010	0.374	0.009	32.509	TRUE	1.81E-08
Overall COPD	CHAD	cg19046826	rs6504663	G	A	0.168	0.029	0.231	6.39E-09	0.008	0.008	0.307	0.009	33.694	TRUE	1.04E-08
Overall COPD	CHAD	cg19961043	rs117783823	G	A	0.229	0.033	0.151	6.33E-12	0.009	0.010	0.365	0.013	47.200	TRUE	1.13E-11
Overall COPD	CHAD	cg19961043	rs2277631	A	C	-0.273	0.026	0.292	5.35E-26	0.018	0.007	0.015	0.029	111.141	TRUE	5.41E-25
Overall COPD	CHAD	cg19961043	rs79416314	G	A	0.259	0.046	0.066	2.18E-08	-0.004	0.014	0.794	0.008	31.311	TRUE	2.67E-08
Overall COPD	CHAD	cg22627841	rs112828746	T	C	0.272	0.047	0.065	5.37E-09	-0.003	0.014	0.825	0.009	34.033	TRUE	6.61E-09
Overall COPD	CHAD	cg22627841	rs2277631	A	C	-0.271	0.026	0.292	1.39E-25	0.018	0.007	0.015	0.029	109.253	TRUE	1.35E-24
Overall COPD	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	-0.010	0.007	0.135	0.014	51.673	TRUE	1.56E-12
Overall COPD	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	-0.010	0.007	0.141	0.014	52.012	TRUE	1.30E-12
Overall COPD	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	-0.005	0.016	0.746	0.014	52.555	TRUE	6.05E-13
Overall COPD	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	-0.001	0.007	0.864	0.016	59.196	TRUE	2.03E-14
Overall COPD	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	0.014	0.013	0.268	0.330	1817.779	TRUE	<1E-200
Overall COPD	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	0.017	0.007	0.013	0.023	88.968	TRUE	2.71E-20
Overall COPD	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	0.018	0.008	0.026	0.028	106.985	TRUE	3.60E-24
Overall COPD	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	-0.003	0.009	0.741	0.011	39.531	TRUE	4.25E-10
Overall COPD	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	-0.015	0.018	0.402	0.017	65.776	TRUE	1.05E-15
Overall COPD	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	-0.008	0.026	0.748	0.017	64.538	TRUE	1.51E-15
Overall COPD	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	0.000	0.007	0.948	0.019	72.841	TRUE	2.12E-17
Overall COPD	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	0.022	0.008	0.010	0.011	41.726	TRUE	3.35E-10
Overall COPD	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	0.023	0.007	0.002	0.028	106.434	TRUE	8.01E-24
Overall COPD	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	-0.014	0.007	0.050	0.075	299.324	TRUE	2.85E-64

Overall COPD	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	-0.011	0.010	0.270	0.161	707.670	TRUE	1.04E-145
Overall COPD	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	-0.011	0.026	0.680	0.014	51.405	TRUE	1.12E-12
Overall COPD	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	0.018	0.009	0.045	0.009	32.640	TRUE	2.48E-08
Overall COPD	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	-0.011	0.010	0.277	0.018	66.076	TRUE	1.02E-15
Overall COPD	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	-0.017	0.007	0.011	0.019	73.132	TRUE	6.44E-17
Overall COPD	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	-0.005	0.016	0.746	0.014	52.740	TRUE	5.51E-13
Overall COPD	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	-0.006	0.007	0.430	0.012	45.917	TRUE	2.05E-11
Overall COPD	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	0.015	0.010	0.112	0.030	112.666	TRUE	1.52E-25
Overall COPD	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	0.014	0.013	0.268	0.066	261.606	TRUE	7.08E-57
Overall COPD	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	0.003	0.009	0.708	0.015	56.091	TRUE	1.05E-13
Overall COPD	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	-0.017	0.007	0.013	0.014	54.032	TRUE	7.43E-13
Overall COPD	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	0.003	0.007	0.608	0.019	73.015	TRUE	2.45E-17
Overall COPD	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	0.026	0.011	0.016	0.076	302.166	TRUE	1.19E-64
Overall COPD	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	0.027	0.011	0.012	0.009	33.983	TRUE	1.51E-08
Overall COPD	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	-0.003	0.007	0.700	0.011	40.350	TRUE	2.87E-10
Overall COPD	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	0.017	0.007	0.019	0.014	52.354	TRUE	1.60E-12
Overall COPD	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	0.023	0.008	0.005	0.011	40.126	TRUE	7.97E-10
Overall COPD	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	-0.007	0.025	0.781	0.009	32.086	TRUE	1.81E-08
Overall COPD	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	0.000	0.008	0.966	0.011	41.593	TRUE	1.34E-10
Overall COPD	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	0.004	0.025	0.873	0.012	43.128	TRUE	6.47E-11
Overall COPD	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	-0.005	0.009	0.539	0.022	84.691	TRUE	7.94E-20
Overall COPD	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	-0.002	0.019	0.934	0.016	61.438	TRUE	6.34E-15
Overall COPD	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	0.003	0.008	0.669	0.082	331.161	TRUE	1.78E-71
Overall COPD	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	0.016	0.018	0.364	0.033	126.080	TRUE	1.40E-28
Overall COPD	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	0.024	0.016	0.136	0.055	217.234	TRUE	1.58E-47
Overall COPD	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	-0.007	0.007	0.313	0.016	60.667	TRUE	1.44E-14
Overall COPD	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	0.002	0.008	0.753	0.019	71.819	TRUE	4.01E-17
Overall COPD	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	-0.001	0.008	0.909	0.009	32.295	TRUE	1.54E-08
Overall COPD	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	0.008	0.007	0.289	0.013	48.377	TRUE	6.70E-12
Overall COPD	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	-0.016	0.019	0.425	0.010	37.194	TRUE	1.65E-09
Overall COPD	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	0.004	0.007	0.616	0.065	257.463	TRUE	2.87E-56
Overall COPD	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	-0.001	0.008	0.929	0.048	188.382	TRUE	5.26E-42
Overall COPD	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	-0.009	0.011	0.420	0.064	251.330	TRUE	7.13E-55
Overall COPD	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	-0.001	0.007	0.897	0.036	137.835	TRUE	2.62E-31
Overall COPD	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	0.006	0.015	0.711	0.012	43.796	TRUE	5.02E-11
Overall COPD	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	-0.017	0.013	0.200	0.013	47.342	TRUE	1.23E-11
Overall COPD	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	-0.011	0.026	0.680	0.009	32.445	TRUE	1.58E-08
Overall COPD	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	-0.019	0.013	0.135	0.025	96.102	TRUE	4.74E-22
Overall COPD	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	0.009	0.009	0.297	0.025	96.297	TRUE	3.31E-22
Overall COPD	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	0.011	0.007	0.144	0.118	494.295	TRUE	8.11E-104
Overall COPD	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	0.011	0.012	0.361	0.034	129.354	TRUE	2.83E-29
Overall COPD	CLEC16A	cg07486170	rs9937173	C	G	-0.144	0.025	0.338	4.09E-09	0.007	0.007	0.347	0.009	34.562	TRUE	6.53E-09

Overall COPD	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	-0.013	0.007	0.091	0.017	62.213	TRUE	9.19E-15
Overall COPD	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	0.002	0.011	0.822	0.053	205.610	TRUE	1.42E-45
Overall COPD	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	-0.022	0.008	0.007	0.029	112.295	TRUE	3.65E-25
Overall COPD	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	-0.015	0.018	0.402	0.011	39.870	TRUE	4.34E-10
Overall COPD	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	-0.008	0.026	0.748	0.013	50.367	TRUE	1.81E-12
Overall COPD	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	-0.019	0.008	0.021	0.014	50.897	TRUE	3.23E-12
Overall COPD	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	-0.011	0.026	0.680	0.009	34.738	TRUE	4.95E-09
Overall COPD	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	-0.011	0.010	0.251	0.082	329.037	TRUE	1.04E-70
Overall COPD	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	0.015	0.013	0.228	0.015	56.577	TRUE	1.20E-13
Overall COPD	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	-0.016	0.009	0.082	0.009	34.069	TRUE	1.11E-08
Overall COPD	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	0.026	0.011	0.016	0.012	45.951	TRUE	3.89E-11
Overall COPD	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	0.016	0.018	0.364	0.065	257.083	TRUE	5.05E-56
Overall COPD	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	-0.020	0.007	0.005	0.034	129.413	TRUE	9.92E-29
Overall COPD	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	0.015	0.013	0.255	0.010	36.745	TRUE	2.34E-09
Overall COPD	COL2A1	cg01906695	rs10875719	C	T	-0.195	0.024	0.365	7.52E-16	-0.018	0.007	0.011	0.017	64.958	TRUE	3.57E-15
Overall COPD	COL2A1	cg01906695	rs79159228	A	C	0.267	0.045	0.075	2.46E-09	0.004	0.012	0.752	0.010	35.554	TRUE	3.16E-09
Overall COPD	COL2A1	cg05342945	rs12228854	T	G	-0.205	0.028	0.218	4.66E-13	0.017	0.008	0.042	0.014	52.316	TRUE	1.43E-12
Overall COPD	COL2A1	cg05342945	rs2732439	C	A	0.136	0.024	0.452	9.49E-09	0.009	0.007	0.188	0.009	32.926	TRUE	1.70E-08
Overall COPD	COL2A1	cg05342945	rs6580647	A	C	0.305	0.032	0.167	2.06E-21	0.006	0.009	0.480	0.024	90.238	TRUE	5.40E-21
Overall COPD	COL2A1	cg08886711	rs3803184	G	C	0.220	0.033	0.167	1.37E-11	0.006	0.009	0.498	0.012	45.685	TRUE	2.20E-11
Overall COPD	COL2A1	cg10502244	rs11168450	A	G	0.140	0.024	0.377	9.00E-09	0.005	0.007	0.423	0.009	33.029	TRUE	1.35E-08
Overall COPD	COL2A1	cg10502244	rs12717995	C	T	-0.361	0.045	0.069	1.84E-15	-0.010	0.012	0.411	0.017	63.192	TRUE	3.75E-15
Overall COPD	COL2A1	cg10502244	rs141415801	T	G	-0.470	0.084	0.020	1.85E-08	-0.043	0.026	0.092	0.008	31.629	TRUE	3.69E-08
Overall COPD	COL2A1	cg10502244	rs74802509	A	G	0.277	0.045	0.075	5.37E-10	0.003	0.012	0.798	0.010	38.518	TRUE	6.89E-10
Overall COPD	COL2A1	cg12235144	rs6580649	T	C	-0.244	0.032	0.169	1.53E-14	0.006	0.009	0.517	0.016	59.022	TRUE	2.76E-14
Overall COPD	COL2A1	cg17342302	rs7132668	C	T	-0.252	0.032	0.170	1.86E-15	0.006	0.009	0.508	0.017	63.173	TRUE	3.51E-15
Overall COPD	COL2A1	cg18990042	rs3803184	G	C	0.284	0.033	0.167	2.22E-18	0.006	0.009	0.498	0.020	76.445	TRUE	4.86E-18
Overall COPD	COL2A1	cg19066141	rs1635528	C	T	0.342	0.032	0.170	9.89E-27	0.004	0.009	0.658	0.030	114.485	TRUE	3.02E-26
Overall COPD	COL2A1	cg19601035	rs10875722	G	T	0.142	0.025	0.387	8.62E-09	0.003	0.007	0.686	0.009	33.112	TRUE	1.12E-08
Overall COPD	COL2A1	cg24011408	rs11168520	T	C	-0.209	0.023	0.447	6.01E-19	0.008	0.010	0.454	0.021	79.021	TRUE	1.41E-18
Overall COPD	COL2A1	cg24011408	rs117328080	T	C	0.345	0.054	0.094	2.19E-10	-0.002	0.014	0.914	0.011	40.269	TRUE	2.69E-10
Overall COPD	COL2A1	cg24011408	rs117938743	G	C	0.406	0.072	0.049	1.37E-08	0.011	0.016	0.509	0.009	32.206	TRUE	1.95E-08
Overall COPD	COL2A1	cg24011408	rs12717995	C	T	0.284	0.045	0.069	3.44E-10	-0.010	0.012	0.411	0.011	39.387	TRUE	5.50E-10
Overall COPD	COL2A1	cg24011408	rs17614932	C	A	-0.307	0.046	0.070	1.43E-11	0.023	0.015	0.146	0.012	45.606	TRUE	3.13E-11
Overall COPD	COL2A1	cg24011408	rs1793959	T	C	-0.524	0.043	0.083	2.53E-34	-0.002	0.011	0.877	0.039	149.169	TRUE	1.05E-33
Overall COPD	COL2A1	cg24011408	rs34392760	A	T	-0.314	0.053	0.047	3.70E-09	0.041	0.015	0.009	0.009	34.759	TRUE	1.07E-08
Overall COPD	COL2A1	cg24011408	rs59027910	A	G	0.322	0.029	0.188	8.86E-28	-0.001	0.009	0.877	0.031	119.267	TRUE	2.40E-27
Overall COPD	COL2A1	cg24011408	rs78730237	A	G	-0.365	0.046	0.074	1.23E-15	0.020	0.012	0.114	0.017	63.996	TRUE	3.61E-15
Overall COPD	COL2A1	cg24011408	rs79159228	A	C	-0.363	0.044	0.075	3.30E-16	0.004	0.012	0.752	0.018	66.579	TRUE	5.45E-16
Overall COPD	CSF2	cg08324925	rs11950815	A	G	0.217	0.024	0.370	4.49E-19	-0.023	0.008	0.003	0.021	79.598	TRUE	3.36E-18
Overall COPD	CSF2	cg08324925	rs1291602	T	C	-0.201	0.033	0.157	1.19E-09	0.005	0.010	0.579	0.010	36.972	TRUE	1.68E-09
Overall COPD	CSF2	cg08324925	rs31467	T	C	0.384	0.023	0.489	3.73E-60	-0.011	0.007	0.112	0.067	267.484	TRUE	6.85E-58

Overall COPD	CSF2	cg08324925	rs77335401	C	T	-0.318	0.037	0.121	4.23E-18	0.040	0.010	5.17E-05	0.020	75.170	TRUE	5.13E-17
Overall COPD	CSF2	cg13259290	rs1030271	G	C	0.156	0.024	0.351	1.26E-10	-0.027	0.008	6.49E-04	0.011	41.355	TRUE	5.51E-10
Overall COPD	CSF2	cg13259290	rs31467	T	C	0.215	0.024	0.489	8.91E-20	-0.011	0.007	0.112	0.022	82.794	TRUE	3.43E-19
Overall COPD	CSF2	cg16465129	rs17674015	A	C	0.215	0.024	0.367	1.29E-19	-0.020	0.007	0.005	0.022	82.060	TRUE	9.44E-19
Overall COPD	CSF2	cg16465129	rs283753	C	T	-0.188	0.033	0.144	1.34E-08	0.013	0.010	0.180	0.009	32.248	TRUE	2.41E-08
Overall COPD	CSF2	cg16565692	rs3864277	A	G	0.238	0.023	0.433	1.45E-24	-0.027	0.007	9.64E-05	0.028	104.601	TRUE	3.13E-23
Overall COPD	CSF2	cg26369418	rs31467	T	C	0.147	0.024	0.489	6.49E-10	-0.011	0.007	0.112	0.010	38.149	TRUE	1.36E-09
Overall COPD	CTSB	cg00276098	rs1293312	G	A	-0.180	0.026	0.387	8.33E-12	0.004	0.007	0.569	0.012	46.661	TRUE	1.29E-11
Overall COPD	CTSB	cg08012294	rs1736062	A	G	0.189	0.031	0.211	6.22E-10	-0.001	0.009	0.907	0.010	38.230	TRUE	7.57E-10
Overall COPD	CTSB	cg08012294	rs3757949	C	G	0.171	0.030	0.231	1.03E-08	-0.003	0.008	0.681	0.009	32.768	TRUE	1.34E-08
Overall COPD	CTSB	cg08012294	rs78426726	C	G	-1.731	0.101	0.013	1.08E-65	-0.018	0.028	0.517	0.073	292.884	TRUE	1.60E-63
Overall COPD	CTSB	cg16624891	rs1043180	T	C	-0.282	0.042	0.099	1.26E-11	0.009	0.011	0.407	0.012	45.848	TRUE	2.16E-11
Overall COPD	CTSB	cg16624891	rs11250166	A	G	0.364	0.032	0.206	1.30E-30	-0.007	0.009	0.448	0.035	132.211	TRUE	6.32E-30
Overall COPD	CTSB	cg16624891	rs12546793	C	G	-0.172	0.026	0.395	3.49E-11	0.023	0.007	0.002	0.012	43.857	TRUE	1.43E-10
Overall COPD	CTSB	cg16624891	rs17807945	T	C	0.179	0.032	0.189	1.86E-08	-0.025	0.010	0.010	0.008	31.621	TRUE	5.00E-08
Overall COPD	CTSB	cg16624891	rs4841602	G	A	-0.367	0.043	0.089	1.90E-17	-0.007	0.012	0.550	0.019	72.206	TRUE	3.82E-17
Overall COPD	CTSB	cg16624891	rs4841607	T	C	-0.243	0.026	0.381	4.52E-21	0.008	0.007	0.251	0.023	88.683	TRUE	1.49E-20
Overall COPD	CTSB	cg16624891	rs59699307	G	A	0.245	0.032	0.184	1.18E-14	-0.017	0.009	0.069	0.016	59.540	TRUE	3.65E-14
Overall COPD	CTSB	cg16624891	rs78566921	A	T	0.428	0.065	0.038	5.07E-11	-0.007	0.019	0.717	0.012	43.127	TRUE	7.01E-11
Overall COPD	CTSB	cg16624891	rs804284	C	G	-0.194	0.032	0.199	1.08E-09	0.011	0.008	0.176	0.010	37.147	TRUE	2.06E-09
Overall COPD	CTSB	cg21281001	rs11782742	C	T	-0.191	0.025	0.436	3.25E-14	-0.022	0.007	0.003	0.015	57.549	TRUE	1.67E-13
Overall COPD	CTSB	cg21281001	rs13248757	C	T	0.226	0.028	0.285	3.46E-16	0.010	0.008	0.236	0.018	66.484	TRUE	8.73E-16
Overall COPD	CTSB	cg21281001	rs13251528	C	G	-0.195	0.032	0.186	5.99E-10	-0.007	0.009	0.436	0.010	38.304	TRUE	9.34E-10
Overall COPD	CTSB	cg21281001	rs2645426	G	C	0.203	0.026	0.389	2.17E-15	0.015	0.007	0.044	0.017	62.872	TRUE	7.71E-15
Overall COPD	CTSB	cg21281001	rs2898292	C	T	0.268	0.046	0.094	5.62E-09	0.006	0.011	0.614	0.009	33.942	TRUE	7.65E-09
Overall COPD	CTSB	cg21281001	rs3729853	T	C	-0.160	0.026	0.365	9.86E-10	0.004	0.007	0.574	0.010	37.333	TRUE	1.41E-09
Overall COPD	CTSB	cg21281001	rs4841602	G	A	-0.281	0.043	0.089	9.13E-11	-0.007	0.012	0.550	0.011	41.976	TRUE	1.37E-10
Overall COPD	CTSB	cg21281001	rs59927118	T	C	-0.190	0.030	0.229	3.46E-10	-0.028	0.008	9.47E-04	0.011	39.376	TRUE	1.40E-09
Overall COPD	CTSB	cg21281001	rs61592818	A	G	-0.279	0.045	0.087	6.16E-10	-0.013	0.012	0.305	0.010	38.249	TRUE	1.05E-09
Overall COPD	CTSB	cg21281001	rs7840525	T	G	-0.187	0.026	0.337	1.09E-12	-0.022	0.008	0.006	0.014	50.651	TRUE	4.36E-12
Overall COPD	CTSB	cg21281001	rs78566921	A	T	0.459	0.065	0.038	1.94E-12	-0.007	0.019	0.717	0.013	49.513	TRUE	2.83E-12
Overall COPD	CTSB	cg21919729	rs10089520	C	T	0.434	0.032	0.176	4.68E-43	-0.018	0.009	0.041	0.049	189.128	TRUE	1.79E-41
Overall COPD	CTSB	cg21919729	rs1043180	T	C	-0.391	0.042	0.099	5.27E-21	0.009	0.011	0.407	0.023	88.380	TRUE	1.45E-20
Overall COPD	CTSB	cg21919729	rs11250166	A	G	0.290	0.032	0.206	7.41E-20	-0.007	0.009	0.448	0.022	83.157	TRUE	1.83E-19
Overall COPD	CTSB	cg21919729	rs12550668	A	G	-0.168	0.026	0.396	8.60E-11	0.023	0.007	0.002	0.011	42.094	TRUE	3.40E-10
Overall COPD	CTSB	cg21919729	rs12675568	G	A	0.149	0.026	0.371	1.38E-08	0.013	0.007	0.089	0.009	32.198	TRUE	2.79E-08
Overall COPD	CTSB	cg21919729	rs1293308	C	G	0.523	0.071	0.031	2.06E-13	-0.008	0.021	0.716	0.014	53.918	TRUE	3.11E-13
Overall COPD	CTSB	cg21919729	rs2246521	A	C	-0.194	0.034	0.170	1.57E-08	-0.008	0.009	0.355	0.009	31.946	TRUE	2.43E-08
Overall COPD	CTSB	cg21919729	rs2250556	C	T	0.227	0.040	0.279	1.78E-08	-0.001	0.008	0.912	0.008	31.704	TRUE	2.08E-08
Overall COPD	CTSB	cg21919729	rs4841602	G	A	-0.420	0.043	0.089	2.22E-22	-0.007	0.012	0.550	0.025	94.648	TRUE	5.76E-22
Overall COPD	CTSB	cg21919729	rs4841607	T	C	-0.293	0.026	0.381	6.30E-30	0.008	0.007	0.251	0.034	129.075	TRUE	3.80E-29
Overall COPD	CTSB	cg21919729	rs61592818	A	G	-0.261	0.045	0.087	8.12E-09	-0.013	0.012	0.305	0.009	33.227	TRUE	1.32E-08

Overall COPD	CTSB	cg21919729	rs73207292	C	G	-0.460	0.082	0.026	2.23E-08	0.034	0.023	0.149	0.008	31.263	TRUE	4.09E-08
Overall COPD	CTSB	cg21919729	rs804284	C	G	-0.222	0.032	0.199	2.76E-12	0.011	0.008	0.176	0.013	48.823	TRUE	6.05E-12
Overall COPD	CTSB	cg22654980	rs1043180	T	C	-0.261	0.042	0.099	4.12E-10	0.009	0.011	0.407	0.010	39.035	TRUE	6.59E-10
Overall COPD	CTSB	cg22654980	rs11250166	A	G	0.306	0.032	0.206	7.41E-22	-0.007	0.009	0.448	0.024	92.261	TRUE	2.05E-21
Overall COPD	CTSB	cg22654980	rs17153785	G	A	-0.268	0.046	0.083	5.89E-09	-0.006	0.012	0.588	0.009	33.854	TRUE	8.10E-09
Overall COPD	CTSB	cg22654980	rs4840576	G	A	-0.247	0.040	0.114	1.00E-09	-0.015	0.012	0.221	0.010	37.299	TRUE	1.82E-09
Overall COPD	CTSB	cg22654980	rs4841607	T	C	-0.188	0.026	0.381	3.98E-13	0.008	0.007	0.251	0.014	52.623	TRUE	8.36E-13
Overall COPD	CTSB	cg22654980	rs804289	C	A	0.160	0.027	0.306	4.27E-09	-0.002	0.007	0.772	0.009	34.479	TRUE	5.40E-09
Overall COPD	CTTN	cg02011981	rs12808511	G	A	0.155	0.027	0.243	1.68E-08	0.013	0.008	0.110	0.009	31.814	TRUE	3.26E-08
Overall COPD	CTTN	cg02848448	rs10793121	C	T	-0.149	0.025	0.343	1.97E-09	0.006	0.007	0.432	0.010	35.982	TRUE	3.02E-09
Overall COPD	CTTN	cg02848448	rs145682166	G	A	0.817	0.084	0.017	1.66E-22	-0.043	0.028	0.122	0.025	95.224	TRUE	7.51E-22
Overall COPD	CTTN	cg02848448	rs1940236	T	C	0.231	0.038	0.112	8.54E-10	-0.011	0.010	0.278	0.010	37.613	TRUE	1.48E-09
Overall COPD	CTTN	cg05226335	rs11602439	A	G	-0.462	0.039	0.105	2.51E-32	-0.009	0.012	0.434	0.036	140.043	TRUE	1.41E-31
Overall COPD	CTTN	cg05226335	rs12800676	A	C	0.830	0.020	0.454	<1E-200	-0.007	0.011	0.485	0.323	1765.546	TRUE	<1E-200
Overall COPD	CTTN	cg05226335	rs143873972	A	T	0.227	0.035	0.284	1.24E-10	0.006	0.008	0.406	0.011	41.382	TRUE	2.03E-10
Overall COPD	CTTN	cg05226335	rs147959065	G	A	0.810	0.146	0.017	2.88E-08	-0.042	0.030	0.170	0.008	30.769	TRUE	5.12E-08
Overall COPD	CTTN	cg05226335	rs1876	C	T	0.273	0.039	0.097	2.48E-12	0.006	0.011	0.561	0.013	49.031	TRUE	3.95E-12
Overall COPD	CTTN	cg05226335	rs34199493	T	C	-0.209	0.024	0.445	3.91E-18	0.006	0.007	0.440	0.020	75.324	TRUE	8.91E-18
Overall COPD	CTTN	cg05226335	rs35354974	G	A	0.506	0.035	0.146	2.30E-46	0.004	0.010	0.655	0.052	204.284	TRUE	3.26E-45
Overall COPD	CTTN	cg05226335	rs3781658	A	G	-0.145	0.024	0.424	1.28E-09	-0.003	0.007	0.660	0.010	36.822	TRUE	1.74E-09
Overall COPD	CTTN	cg05226335	rs556615	G	C	0.230	0.026	0.256	3.06E-18	-0.008	0.008	0.311	0.020	75.812	TRUE	7.92E-18
Overall COPD	CTTN	cg05226335	rs77584792	T	C	0.997	0.114	0.027	2.13E-18	0.013	0.019	0.490	0.020	76.525	TRUE	4.70E-18
Overall COPD	CTTN	cg05226335	rs7940864	T	C	-0.201	0.026	0.294	7.47E-15	-0.027	0.008	4.62E-04	0.016	60.436	TRUE	5.07E-14
Overall COPD	CTTN	cg07005180	rs12802229	A	G	0.186	0.028	0.221	4.18E-11	0.008	0.008	0.340	0.012	43.502	TRUE	7.34E-11
Overall COPD	CTTN	cg09869226	rs3132424	G	T	0.347	0.023	0.447	1.45E-50	0.007	0.007	0.296	0.057	223.522	TRUE	5.27E-49
Overall COPD	CTTN	cg10395806	rs10793121	C	T	-0.180	0.025	0.343	3.71E-13	0.006	0.007	0.432	0.014	52.762	TRUE	6.67E-13
Overall COPD	CTTN	cg11194613	rs10793121	C	T	-0.170	0.025	0.343	6.97E-12	0.006	0.007	0.432	0.013	47.010	TRUE	1.18E-11
Overall COPD	CTTN	cg11194613	rs544083581	G	T	-0.419	0.068	0.031	5.61E-10	0.002	0.021	0.928	0.010	38.430	TRUE	6.77E-10
Overall COPD	CTTN	cg12127706	rs117711190	C	T	0.383	0.068	0.031	1.48E-08	-0.015	0.019	0.420	0.009	32.056	TRUE	2.21E-08
Overall COPD	CTTN	cg12127706	rs12800598	G	T	-0.732	0.024	0.298	1.44E-202	0.016	0.008	0.042	0.199	921.741	TRUE	1.72E-185
Overall COPD	CTTN	cg12127706	rs1876	C	T	-0.260	0.039	0.097	2.57E-11	0.006	0.011	0.561	0.012	44.454	TRUE	3.93E-11
Overall COPD	CTTN	cg12127706	rs2186797	C	T	0.292	0.045	0.074	1.25E-10	0.020	0.015	0.175	0.011	41.366	TRUE	2.50E-10
Overall COPD	CTTN	cg12127706	rs34199493	T	C	0.171	0.024	0.445	1.18E-12	0.006	0.007	0.440	0.013	50.485	TRUE	2.07E-12
Overall COPD	CTTN	cg12127706	rs35512487	T	C	-0.353	0.028	0.216	1.17E-35	0.000	0.010	0.973	0.040	155.269	TRUE	4.90E-35
Overall COPD	CTTN	cg12127706	rs74685551	T	C	0.678	0.119	0.022	1.30E-08	-0.024	0.029	0.391	0.009	32.308	TRUE	1.98E-08
Overall COPD	CTTN	cg12127706	rs77584792	T	C	-0.685	0.115	0.027	2.46E-09	0.013	0.019	0.490	0.010	35.555	TRUE	3.62E-09
Overall COPD	CTTN	cg12127706	rs7940864	T	C	0.193	0.026	0.294	9.80E-14	-0.027	0.008	4.62E-04	0.015	55.377	TRUE	5.99E-13
Overall COPD	CTTN	cg12127706	rs7943389	C	T	0.226	0.033	0.146	4.42E-12	-0.008	0.010	0.417	0.013	47.904	TRUE	7.65E-12
Overall COPD	CTTN	cg13414679	rs11236166	C	T	-0.195	0.028	0.230	4.39E-12	0.011	0.008	0.175	0.013	47.917	TRUE	9.52E-12
Overall COPD	CTTN	cg13414679	rs12283131	G	A	-0.250	0.025	0.339	4.54E-24	0.004	0.007	0.609	0.027	102.345	TRUE	1.23E-23
Overall COPD	CTTN	cg13802316	rs11236302	T	C	0.558	0.035	0.146	7.47E-56	-0.003	0.009	0.788	0.063	247.763	TRUE	2.38E-54
Overall COPD	CTTN	cg13802316	rs147959065	G	A	0.806	0.146	0.017	3.32E-08	-0.042	0.030	0.170	0.008	30.493	TRUE	5.88E-08

Overall COPD	CTTN	cg13802316	rs1876	C	T	0.279	0.039	0.097	7.64E-13	0.006	0.011	0.561	0.014	51.344	TRUE	1.24E-12
Overall COPD	CTTN	cg13802316	rs2186797	C	T	-0.254	0.045	0.074	2.36E-08	0.020	0.015	0.175	0.008	31.153	TRUE	4.20E-08
Overall COPD	CTTN	cg13802316	rs34199493	T	C	-0.204	0.024	0.445	2.56E-17	0.006	0.007	0.440	0.019	71.621	TRUE	5.58E-17
Overall COPD	CTTN	cg13802316	rs555745	G	T	0.227	0.026	0.256	4.67E-18	-0.008	0.008	0.316	0.020	74.975	TRUE	1.19E-17
Overall COPD	CTTN	cg13802316	rs670012	G	T	0.812	0.021	0.340	<1E-200	0.003	0.007	0.670	0.279	1429.041	TRUE	6.62E-278
Overall COPD	CTTN	cg13802316	rs77584792	T	C	0.955	0.114	0.027	5.56E-17	0.013	0.019	0.490	0.019	70.091	TRUE	1.14E-16
Overall COPD	CTTN	cg13802316	rs7940864	T	C	-0.172	0.026	0.294	2.73E-11	-0.027	0.008	4.62E-04	0.012	44.337	TRUE	1.32E-10
Overall COPD	CTTN	cg13802316	rs7943389	C	T	-0.458	0.032	0.146	1.24E-45	-0.008	0.010	0.417	0.052	200.930	TRUE	2.23E-44
Overall COPD	CTTN	cg14191688	rs12795250	C	T	0.356	0.028	0.221	3.62E-36	0.009	0.008	0.288	0.041	157.603	TRUE	3.37E-35
Overall COPD	CTTN	cg15465439	rs4523719	G	A	0.188	0.032	0.487	7.70E-09	0.006	0.007	0.365	0.009	33.332	TRUE	1.20E-08
Overall COPD	CTTN	cg15465439	rs7944627	C	A	0.440	0.028	0.226	3.97E-56	0.011	0.008	0.155	0.063	249.023	TRUE	3.80E-54
Overall COPD	CTTN	cg16061668	rs12801468	A	G	0.255	0.029	0.215	8.20E-19	0.012	0.009	0.152	0.021	78.408	TRUE	2.74E-18
Overall COPD	CTTN	cg16629523	rs11236048	G	A	-0.290	0.028	0.218	2.17E-24	0.005	0.008	0.582	0.027	103.809	TRUE	6.15E-24
Overall COPD	CTTN	cg16629523	rs12800598	G	T	-0.662	0.024	0.298	1.04E-161	0.016	0.008	0.042	0.166	733.900	TRUE	4.11E-150
Overall COPD	CTTN	cg16629523	rs1876	C	T	-0.224	0.039	0.097	9.89E-09	0.006	0.011	0.561	0.009	32.845	TRUE	1.37E-08
Overall COPD	CTTN	cg16629523	rs2186797	C	T	0.253	0.045	0.074	2.73E-08	0.020	0.015	0.175	0.008	30.876	TRUE	4.83E-08
Overall COPD	CTTN	cg16629523	rs2509140	A	C	0.135	0.024	0.451	2.01E-08	0.006	0.007	0.440	0.008	31.467	TRUE	2.94E-08
Overall COPD	CTTN	cg16629523	rs61887408	A	G	-0.503	0.081	0.021	4.20E-10	0.042	0.024	0.082	0.010	38.994	TRUE	9.46E-10
Overall COPD	CTTN	cg16629523	rs74685551	T	C	0.683	0.119	0.022	9.70E-09	-0.024	0.029	0.391	0.009	32.883	TRUE	1.48E-08
Overall COPD	CTTN	cg16629523	rs7940864	T	C	0.160	0.026	0.294	6.98E-10	-0.027	0.008	4.62E-04	0.010	38.007	TRUE	2.95E-09
Overall COPD	CTTN	cg16629523	rs7943389	C	T	0.192	0.033	0.146	4.25E-09	-0.008	0.010	0.417	0.009	34.489	TRUE	6.47E-09
Overall COPD	CTTN	cg17631184	rs34053053	T	C	-0.200	0.034	0.141	6.54E-09	0.013	0.010	0.174	0.009	33.648	TRUE	1.20E-08
Overall COPD	CTTN	cg22720428	rs4570606	C	T	0.152	0.028	0.244	3.71E-08	0.013	0.008	0.110	0.008	30.278	TRUE	7.07E-08
Overall COPD	CTTN	cg24395117	rs4367974	T	C	0.207	0.034	0.153	8.66E-10	0.015	0.010	0.129	0.010	37.584	TRUE	1.76E-09
Overall COPD	CTTN	cg25587405	rs12801756	G	A	0.153	0.027	0.245	1.53E-08	0.014	0.008	0.086	0.009	32.003	TRUE	3.09E-08
Overall COPD	CTTN	cg27326318	rs2298396	T	C	0.252	0.028	0.225	6.64E-19	0.012	0.008	0.148	0.021	78.824	TRUE	2.25E-18
Overall COPD	CUL4A	cg07827107	rs9549698	G	A	-0.154	0.027	0.262	9.27E-09	0.010	0.009	0.251	0.009	32.972	TRUE	1.56E-08
Overall COPD	CUL4A	cg10012867	rs3861723	G	A	0.246	0.027	0.248	9.89E-20	0.018	0.008	0.026	0.022	82.585	TRUE	5.38E-19
Overall COPD	CUL4A	cg10914120	rs9549361	C	T	0.236	0.028	0.239	1.07E-17	0.018	0.008	0.018	0.019	73.347	TRUE	5.34E-17
Overall COPD	CUL4A	cg11232054	rs56129102	T	C	-0.225	0.026	0.278	4.61E-18	0.002	0.008	0.780	0.020	75.001	TRUE	8.09E-18
Overall COPD	CUL4A	cg14896830	rs35306827	A	G	0.200	0.028	0.240	4.98E-13	0.018	0.008	0.019	0.014	52.186	TRUE	1.74E-12
Overall COPD	CUL4A	cg17689702	rs3764125	A	G	0.246	0.028	0.241	5.11E-19	0.018	0.008	0.018	0.021	79.344	TRUE	2.84E-18
Overall COPD	DAP	cg05473987	rs2964786	T	C	-0.195	0.027	0.257	4.79E-13	0.009	0.008	0.259	0.014	52.262	TRUE	9.94E-13
Overall COPD	DAP	cg14129473	rs2918398	A	G	-0.138	0.025	0.347	2.94E-08	0.007	0.008	0.346	0.008	30.729	TRUE	4.52E-08
Overall COPD	DAP	cg14662675	rs115180707	A	G	0.650	0.083	0.020	3.72E-15	-0.067	0.028	0.018	0.016	61.809	TRUE	1.54E-14
Overall COPD	DAP	cg14662675	rs12653693	A	G	0.641	0.095	0.017	1.55E-11	-0.017	0.021	0.430	0.012	45.450	TRUE	2.59E-11
Overall COPD	DAP	cg14662675	rs1470023	T	C	0.340	0.034	0.136	9.38E-24	0.016	0.010	0.107	0.027	100.907	TRUE	4.83E-23
Overall COPD	DAP	cg14662675	rs28664648	C	G	0.730	0.024	0.292	3.18E-196	0.002	0.008	0.813	0.194	892.569	TRUE	2.16E-181
Overall COPD	DAP	cg14662675	rs2918392	C	T	0.258	0.025	0.354	1.18E-25	0.010	0.007	0.141	0.029	109.572	TRUE	6.40E-25
Overall COPD	DAP	cg14662675	rs55696181	A	G	0.613	0.051	0.059	5.12E-33	-0.019	0.014	0.190	0.037	143.196	TRUE	4.40E-32
Overall COPD	DAP	cg14662675	rs72744342	A	G	-0.265	0.046	0.073	1.09E-08	-0.001	0.014	0.920	0.009	32.648	TRUE	1.28E-08
Overall COPD	DAP	cg14662675	rs75503268	A	G	0.251	0.041	0.093	8.01E-10	0.007	0.011	0.529	0.010	37.738	TRUE	1.18E-09

Overall COPD	DAP	cg14662675	rs852604	G	T	-0.199	0.024	0.356	2.88E-16	0.003	0.008	0.679	0.018	66.849	TRUE	5.00E-16
Overall COPD	DAP	cg17665505	rs5745272	C	A	0.343	0.036	0.128	1.02E-21	0.000	0.010	0.975	0.024	91.620	TRUE	1.86E-21
Overall COPD	DAP	cg18867653	rs11740244	C	G	0.253	0.027	0.241	7.14E-21	0.015	0.008	0.078	0.023	87.782	TRUE	3.27E-20
Overall COPD	DAP	cg18867653	rs2399965	C	A	0.483	0.029	0.199	2.22E-61	0.018	0.009	0.032	0.069	273.103	TRUE	8.13E-59
Overall COPD	DAP	cg18867653	rs3776415	C	A	0.178	0.030	0.185	3.73E-09	0.006	0.009	0.486	0.009	34.742	TRUE	5.46E-09
Overall COPD	DAP	cg18867653	rs76068039	C	T	0.630	0.077	0.026	1.85E-16	-0.001	0.023	0.952	0.018	67.724	TRUE	2.72E-16
Overall COPD	DAP	cg25143743	rs17831254	T	C	-1.286	0.049	0.058	1.97E-153	-0.020	0.014	0.164	0.158	695.860	TRUE	3.00E-143
Overall COPD	DAP	cg25143743	rs267985	G	A	-0.178	0.024	0.357	2.94E-13	0.010	0.007	0.169	0.014	53.217	TRUE	6.87E-13
Overall COPD	DAP	cg25143743	rs4701883	G	T	-0.171	0.025	0.295	1.50E-11	0.001	0.008	0.908	0.012	45.512	TRUE	1.91E-11
Overall COPD	DAP	cg25143743	rs73741224	C	T	-0.862	0.094	0.017	4.38E-20	-0.013	0.024	0.589	0.022	84.196	TRUE	9.74E-20
Overall COPD	DAPK1	cg08719486	rs10746812	C	T	0.332	0.024	0.374	3.66E-43	-0.002	0.007	0.816	0.049	189.615	TRUE	3.25E-42
Overall COPD	DAPK1	cg13752933	rs3758308	T	C	0.173	0.023	0.455	1.91E-13	0.011	0.007	0.089	0.014	54.065	TRUE	5.19E-13
Overall COPD	DAPK1	cg13765778	rs10746806	A	G	-0.135	0.023	0.483	7.98E-09	0.007	0.007	0.332	0.009	33.263	TRUE	1.27E-08
Overall COPD	DAPK1	cg13765778	rs11789129	T	C	-0.253	0.045	0.062	1.62E-08	-0.025	0.014	0.086	0.009	31.882	TRUE	3.29E-08
Overall COPD	DAPK1	cg13765778	rs11795212	G	T	-0.849	0.097	0.024	2.86E-18	-0.032	0.028	0.252	0.020	75.946	TRUE	7.94E-18
Overall COPD	DAPK1	cg13823120	rs10746812	C	T	0.364	0.024	0.374	6.10E-52	-0.002	0.007	0.816	0.058	229.830	TRUE	1.24E-50
Overall COPD	DAPK1	cg14250336	rs13290498	G	A	-0.172	0.024	0.361	1.69E-12	-0.014	0.007	0.039	0.013	49.793	TRUE	5.04E-12
Overall COPD	DAPK1	cg17984409	rs3128470	C	T	0.248	0.045	0.152	3.79E-08	0.005	0.009	0.557	0.008	30.240	TRUE	5.15E-08
Overall COPD	DAPK1	cg21180703	rs1861827	T	C	-0.951	0.060	0.084	1.30E-56	-0.009	0.013	0.475	0.064	251.237	TRUE	6.84E-55
Overall COPD	DAPK1	cg21180703	rs1861828	C	T	0.181	0.024	0.428	2.00E-14	-0.005	0.007	0.523	0.016	58.496	TRUE	3.57E-14
Overall COPD	DAPK1	cg21180703	rs3118839	T	C	-0.141	0.023	0.477	1.43E-09	0.002	0.007	0.798	0.010	36.612	TRUE	1.81E-09
Overall COPD	DAPK1	cg21180703	rs7874328	G	A	-0.273	0.024	0.401	3.14E-30	0.002	0.009	0.786	0.034	130.460	TRUE	1.07E-29
Overall COPD	DAPK1	cg21180703	rs9410612	T	A	-0.227	0.025	0.327	3.84E-20	0.005	0.007	0.530	0.022	84.456	TRUE	8.98E-20
Overall COPD	DAPK3	cg08294750	rs1654584	G	T	-0.414	0.028	0.220	2.98E-50	-0.003	0.009	0.767	0.057	222.089	TRUE	5.43E-49
Overall COPD	DAPK3	cg18226382	rs8113281	T	C	0.362	0.030	0.182	1.73E-34	0.019	0.009	0.033	0.039	149.920	TRUE	3.03E-33
Overall COPD	DAPK3	cg18459205	rs1654584	G	T	-0.510	0.028	0.220	2.17E-73	-0.003	0.009	0.767	0.081	328.195	TRUE	6.26E-71
Overall COPD	DAPK3	cg18459205	rs4806964	A	G	0.138	0.024	0.479	5.78E-09	0.005	0.007	0.490	0.009	33.890	TRUE	8.38E-09
Overall COPD	DAPK3	cg22304239	rs2304194	G	A	-0.294	0.024	0.399	1.05E-35	0.009	0.007	0.240	0.040	155.488	TRUE	1.02E-34
Overall COPD	DCC	cg00399483	rs1222938	G	A	-0.157	0.027	0.262	7.15E-09	0.001	0.008	0.941	0.009	33.475	TRUE	8.33E-09
Overall COPD	DCC	cg00399483	rs12965852	A	G	-0.340	0.049	0.062	5.41E-12	-0.009	0.012	0.479	0.013	47.508	TRUE	8.94E-12
Overall COPD	DCC	cg00399483	rs2060125	C	T	-0.173	0.024	0.372	3.86E-13	0.003	0.007	0.676	0.014	52.684	TRUE	5.91E-13
Overall COPD	DCC	cg00399483	rs7242705	A	T	0.461	0.024	0.360	1.28E-83	-0.015	0.007	0.027	0.092	375.147	TRUE	1.45E-79
Overall COPD	DCC	cg00399483	rs9952404	C	T	-0.228	0.024	0.340	1.26E-20	0.012	0.010	0.241	0.023	86.664	TRUE	4.08E-20
Overall COPD	DCC	cg05416337	rs10502942	T	C	-0.969	0.034	0.112	2.46E-183	0.003	0.011	0.805	0.184	833.317	TRUE	3.05E-170
Overall COPD	DCC	cg05416337	rs1144049	C	T	-0.191	0.024	0.447	5.67E-16	0.009	0.007	0.185	0.017	65.514	TRUE	1.51E-15
Overall COPD	DCC	cg05416337	rs117072189	G	T	-0.637	0.089	0.023	7.75E-13	-0.029	0.025	0.242	0.014	51.316	TRUE	1.62E-12
Overall COPD	DCC	cg05416337	rs1222914	C	G	0.303	0.042	0.078	5.23E-13	0.012	0.012	0.313	0.014	52.087	TRUE	1.03E-12
Overall COPD	DCC	cg05416337	rs12457059	A	C	0.448	0.030	0.193	1.38E-51	-0.014	0.008	0.085	0.058	228.208	TRUE	1.02E-49
Overall COPD	DCC	cg05416337	rs12607660	T	C	-0.182	0.024	0.458	1.47E-14	-0.007	0.007	0.267	0.016	59.103	TRUE	3.28E-14
Overall COPD	DCC	cg05416337	rs12608309	C	T	-0.240	0.039	0.097	7.26E-10	0.026	0.012	0.036	0.010	37.928	TRUE	1.84E-09
Overall COPD	DCC	cg05416337	rs1443579	T	C	0.478	0.031	0.161	3.87E-52	0.004	0.009	0.681	0.059	230.737	TRUE	9.44E-51
Overall COPD	DCC	cg05416337	rs1445104	G	T	-0.163	0.023	0.481	2.59E-12	0.002	0.007	0.737	0.013	48.950	TRUE	3.71E-12

Overall COPD	DCC	cg05416337	rs145810822	G	T	-0.904	0.095	0.033	1.12E-21	0.038	0.024	0.119	0.024	91.448	TRUE	4.82E-21
Overall COPD	DCC	cg05416337	rs1562175	T	C	-0.356	0.031	0.165	2.42E-30	0.007	0.009	0.448	0.034	130.973	TRUE	1.16E-29
Overall COPD	DCC	cg05416337	rs16954946	C	G	0.392	0.068	0.030	9.73E-09	-0.038	0.020	0.051	0.009	32.878	TRUE	2.16E-08
Overall COPD	DCC	cg05416337	rs17669944	T	C	-0.585	0.053	0.047	5.82E-28	0.006	0.014	0.672	0.031	120.101	TRUE	1.90E-27
Overall COPD	DCC	cg05416337	rs28439197	G	A	-0.177	0.024	0.454	1.31E-13	0.009	0.007	0.174	0.015	54.807	TRUE	3.10E-13
Overall COPD	DCC	cg05416337	rs2850943	C	T	-0.443	0.040	0.095	8.61E-29	0.001	0.011	0.945	0.032	123.889	TRUE	2.34E-28
Overall COPD	DCC	cg05416337	rs34220152	G	C	-0.828	0.114	0.021	4.03E-13	-0.004	0.025	0.884	0.014	52.597	TRUE	5.48E-13
Overall COPD	DCC	cg05416337	rs35624144	C	T	-0.151	0.024	0.476	2.40E-10	0.011	0.007	0.131	0.011	40.092	TRUE	5.02E-10
Overall COPD	DCC	cg05416337	rs4041457	A	G	-1.054	0.025	0.194	<1E-200	0.000	0.009	0.995	0.320	1741.031	TRUE	<1E-200
Overall COPD	DCC	cg05416337	rs62081913	T	C	-0.440	0.061	0.041	4.37E-13	-0.015	0.020	0.441	0.014	52.439	TRUE	7.79E-13
Overall COPD	DCC	cg05416337	rs72922665	A	G	-0.307	0.035	0.129	4.12E-18	0.007	0.010	0.482	0.020	75.222	TRUE	9.03E-18
Overall COPD	DCC	cg05416337	rs75117057	T	A	-0.806	0.078	0.024	3.98E-25	-0.032	0.020	0.104	0.028	107.164	TRUE	2.28E-24
Overall COPD	DCC	cg05416337	rs8089622	G	T	0.158	0.029	0.200	3.69E-08	-0.007	0.008	0.416	0.008	30.287	TRUE	5.42E-08
Overall COPD	DCC	cg05416337	rs8092968	C	A	-0.269	0.042	0.079	1.72E-10	0.030	0.021	0.155	0.011	40.736	TRUE	3.52E-10
Overall COPD	DCC	cg18841634	rs7242705	A	T	-0.253	0.024	0.360	1.33E-25	-0.015	0.007	0.027	0.029	109.328	TRUE	1.14E-24
Overall COPD	DCC	cg18866015	rs2879423	C	G	-0.195	0.027	0.238	7.82E-13	-0.002	0.008	0.786	0.014	51.300	TRUE	1.11E-12
Overall COPD	DCC	cg18866015	rs34420569	C	T	0.188	0.024	0.385	3.71E-15	-0.007	0.007	0.305	0.016	61.815	TRUE	8.20E-15
Overall COPD	DCC	cg18866015	rs9950982	T	C	-0.217	0.027	0.249	1.96E-15	0.010	0.007	0.175	0.017	63.073	TRUE	5.13E-15
Overall COPD	DCC	cg18866015	rs9966338	G	C	-0.328	0.024	0.338	2.19E-41	0.015	0.007	0.028	0.047	181.484	TRUE	7.91E-40
Overall COPD	DCC	cg20917891	rs7242705	A	T	0.300	0.024	0.360	8.35E-36	-0.015	0.007	0.027	0.040	155.942	TRUE	1.76E-34
Overall COPD	DCC	cg21623566	rs17747515	T	C	0.151	0.025	0.318	1.09E-09	-0.017	0.007	0.019	0.010	37.138	TRUE	2.98E-09
Overall COPD	DCC	cg24084891	rs76178218	T	C	-0.195	0.031	0.161	3.97E-10	0.004	0.009	0.666	0.010	39.106	TRUE	5.47E-10
Overall COPD	DCC	cg25602457	rs13381479	T	G	0.348	0.025	0.316	3.02E-44	-0.017	0.007	0.019	0.050	194.580	TRUE	1.67E-42
Overall COPD	DCC	cg25818763	rs8083215	A	G	-0.187	0.025	0.323	5.54E-14	-0.017	0.007	0.018	0.015	56.499	TRUE	2.09E-13
Overall COPD	DDIT4	cg01839993	rs10762504	A	C	0.208	0.025	0.345	2.58E-17	-0.013	0.009	0.157	0.019	71.603	TRUE	7.77E-17
Overall COPD	DDIT4	cg10592592	rs4746110	T	C	0.141	0.025	0.360	1.01E-08	-0.017	0.007	0.011	0.009	32.801	TRUE	2.74E-08
Overall COPD	DDIT4	cg20897136	rs4746110	T	C	0.148	0.025	0.360	1.65E-09	-0.017	0.007	0.011	0.010	36.334	TRUE	4.74E-09
Overall COPD	DEDD	cg15516558	rs11265558	G	A	0.538	0.024	0.364	3.43E-113	-0.022	0.007	0.002	0.121	510.947	TRUE	3.53E-106
Overall COPD	DEDD	cg15516558	rs12118313	C	A	0.204	0.029	0.215	1.41E-12	-0.015	0.008	0.074	0.013	50.140	TRUE	3.77E-12
Overall COPD	DEDD	cg15516558	rs1411614	G	A	0.206	0.027	0.247	1.49E-14	-0.015	0.008	0.062	0.016	59.082	TRUE	4.68E-14
Overall COPD	DEDD	cg15516558	rs142266799	T	C	0.422	0.059	0.043	6.61E-13	-0.005	0.017	0.764	0.014	51.629	TRUE	9.52E-13
Overall COPD	DEDD	cg15516558	rs4265446	G	A	0.207	0.030	0.178	1.06E-11	-0.021	0.009	0.015	0.012	46.180	TRUE	3.51E-11
Overall COPD	DEDD	cg15516558	rs4656292	A	G	-0.145	0.024	0.388	2.37E-09	0.025	0.007	2.10E-04	0.010	35.623	TRUE	1.02E-08
Overall COPD	DEDD	cg15516558	rs6427588	G	A	-0.133	0.024	0.395	4.62E-08	-0.004	0.007	0.584	0.008	29.854	TRUE	6.18E-08
Overall COPD	DEDD	cg15516558	rs77584890	T	C	0.367	0.053	0.049	3.59E-12	-0.026	0.015	0.076	0.013	48.311	TRUE	9.31E-12
Overall COPD	DNM1L	cg06077899	rs1026372	T	C	0.167	0.028	0.246	1.67E-09	0.002	0.008	0.833	0.010	36.304	TRUE	2.08E-09
Overall COPD	DNM1L	cg06077899	rs10771961	A	G	0.177	0.025	0.317	3.73E-12	0.007	0.008	0.384	0.013	48.236	TRUE	6.64E-12
Overall COPD	DNM1L	cg06077899	rs10844244	T	C	0.192	0.030	0.201	7.78E-11	0.004	0.009	0.685	0.011	42.290	TRUE	1.09E-10
Overall COPD	DNM1L	cg06077899	rs10844279	G	T	1.247	0.027	0.150	<1E-200	0.000	0.010	0.998	0.368	2151.531	TRUE	<1E-200
Overall COPD	DNM1L	cg06077899	rs11052101	C	T	0.474	0.035	0.122	1.33E-41	-0.008	0.010	0.442	0.047	182.480	TRUE	1.58E-40
Overall COPD	DNM1L	cg06077899	rs112788901	T	C	0.315	0.046	0.083	9.34E-12	-0.011	0.024	0.629	0.012	46.437	TRUE	1.39E-11
Overall COPD	DNM1L	cg06077899	rs117159359	T	C	0.847	0.102	0.012	8.59E-17	-0.007	0.026	0.784	0.018	69.232	TRUE	1.42E-16

Overall COPD	DNM1L	cg06077899	rs12366836	C	T	-0.179	0.030	0.186	1.35E-09	-0.007	0.009	0.454	0.010	36.721	TRUE	2.05E-09
Overall COPD	DNM1L	cg06077899	rs12579050	T	A	0.395	0.044	0.080	1.82E-19	0.030	0.012	0.014	0.022	81.376	TRUE	1.09E-18
Overall COPD	DNM1L	cg06077899	rs138587382	C	A	0.349	0.059	0.041	2.80E-09	-0.020	0.024	0.413	0.009	35.301	TRUE	4.30E-09
Overall COPD	DNM1L	cg06077899	rs141560825	T	C	0.790	0.080	0.025	5.61E-23	-0.019	0.027	0.477	0.026	97.366	TRUE	1.61E-22
Overall COPD	DNM1L	cg06077899	rs145999802	T	C	1.046	0.090	0.018	3.93E-31	0.032	0.027	0.237	0.035	134.580	TRUE	2.66E-30
Overall COPD	DNM1L	cg06077899	rs147545074	G	A	0.528	0.062	0.043	1.09E-17	0.016	0.017	0.339	0.019	73.303	TRUE	2.66E-17
Overall COPD	DNM1L	cg06077899	rs34072072	T	C	0.321	0.044	0.077	4.76E-13	0.003	0.013	0.829	0.014	52.274	TRUE	6.64E-13
Overall COPD	DNM1L	cg06077899	rs4931017	A	G	-0.197	0.028	0.240	1.26E-12	-0.008	0.008	0.312	0.013	50.359	TRUE	2.44E-12
Overall COPD	DNM1L	cg06077899	rs61927753	G	A	0.145	0.023	0.455	6.20E-10	-0.004	0.007	0.518	0.010	38.238	TRUE	9.19E-10
Overall COPD	DNM1L	cg06077899	rs7134245	A	C	0.424	0.063	0.068	1.24E-11	-0.020	0.013	0.120	0.012	45.876	TRUE	2.85E-11
Overall COPD	DNM1L	cg06077899	rs7135858	A	T	-0.191	0.031	0.175	5.21E-10	0.003	0.009	0.683	0.010	38.577	TRUE	7.09E-10
Overall COPD	DNM1L	cg06077899	rs7967334	A	C	0.339	0.031	0.175	2.21E-27	0.006	0.009	0.504	0.031	117.457	TRUE	8.12E-27
Overall COPD	DNM1L	cg07201835	rs9738377	C	T	0.330	0.033	0.158	2.99E-24	0.004	0.010	0.688	0.027	103.173	TRUE	7.68E-24
Overall COPD	DNM1L	cg07687610	rs34034589	G	A	-0.219	0.032	0.158	1.33E-11	0.001	0.010	0.915	0.012	45.750	TRUE	1.69E-11
Overall COPD	DNM1L	cg21446102	rs34034589	G	A	0.180	0.032	0.158	2.81E-08	0.001	0.010	0.915	0.008	30.815	TRUE	3.27E-08
Overall COPD	DNM1L	cg24786579	rs147515673	A	G	0.729	0.096	0.012	2.96E-14	0.079	0.024	0.001	0.015	57.728	TRUE	1.70E-13
Overall COPD	DNM1L	cg27387222	rs9971640	G	T	0.231	0.032	0.157	8.06E-13	0.001	0.010	0.915	0.014	51.239	TRUE	1.07E-12
Overall COPD	DYRK2	cg09135343	rs2700075	T	C	0.203	0.025	0.344	3.40E-16	-0.024	0.007	7.26E-04	0.018	66.522	TRUE	2.47E-15
Overall COPD	DYRK2	cg19817165	rs2700075	T	C	0.224	0.025	0.344	1.74E-19	-0.024	0.007	7.26E-04	0.022	81.465	TRUE	1.71E-18
Overall COPD	DYRK2	cg27078727	rs10878650	T	A	-0.188	0.029	0.193	1.50E-10	-0.001	0.009	0.942	0.011	41.010	TRUE	1.82E-10
Overall COPD	DYRK2	cg27078727	rs4913355	A	G	-0.298	0.024	0.363	3.33E-35	-0.027	0.007	8.55E-05	0.040	153.197	TRUE	2.29E-33
Overall COPD	E2F2	cg03333582	rs2092085	A	G	0.216	0.027	0.258	7.20E-16	-0.004	0.008	0.640	0.017	65.043	TRUE	1.26E-15
Overall COPD	E2F2	cg03333582	rs3218205	C	T	-0.390	0.063	0.040	6.15E-10	0.013	0.016	0.407	0.010	38.253	TRUE	9.76E-10
Overall COPD	E2F2	cg11526198	rs11591199	T	C	0.574	0.045	0.072	1.82E-37	0.032	0.013	0.015	0.042	163.539	TRUE	5.34E-36
Overall COPD	E2F2	cg11526198	rs877930	A	G	0.445	0.064	0.040	2.58E-12	0.005	0.016	0.738	0.013	48.954	TRUE	3.70E-12
Overall COPD	E2F2	cg11526198	rs909534	A	G	-0.135	0.024	0.410	1.27E-08	-0.012	0.007	0.096	0.009	32.366	TRUE	2.53E-08
Overall COPD	E2F2	cg22040403	rs10917376	T	C	0.232	0.038	0.228	1.39E-09	-0.019	0.009	0.028	0.010	36.657	TRUE	3.59E-09
Overall COPD	E2F2	cg22040403	rs113251274	G	C	0.223	0.037	0.116	1.65E-09	-0.001	0.011	0.923	0.010	36.334	TRUE	1.96E-09
Overall COPD	E2F2	cg22040403	rs113837560	A	G	0.294	0.048	0.072	9.12E-10	0.008	0.013	0.561	0.010	37.485	TRUE	1.31E-09
Overall COPD	E2F2	cg22040403	rs12144921	C	T	0.590	0.051	0.051	3.51E-31	-0.025	0.015	0.100	0.035	134.808	TRUE	3.27E-30
Overall COPD	E2F2	cg22040403	rs16828926	A	G	0.198	0.033	0.142	3.50E-09	0.008	0.010	0.450	0.009	34.864	TRUE	5.25E-09
Overall COPD	E2F2	cg22040403	rs2102781	A	T	-0.219	0.024	0.383	1.17E-19	0.003	0.007	0.679	0.022	82.250	TRUE	2.38E-19
Overall COPD	E2F2	cg22040403	rs2282724	T	C	0.654	0.064	0.040	1.28E-24	0.009	0.016	0.582	0.028	104.845	TRUE	3.69E-24
Overall COPD	E2F2	cg22040403	rs2811964	A	G	-0.643	0.041	0.081	1.71E-55	-0.002	0.013	0.889	0.062	246.115	TRUE	4.64E-54
Overall COPD	E2F2	cg22040403	rs2864889	A	G	-0.193	0.033	0.406	3.77E-09	-0.003	0.008	0.659	0.009	34.719	TRUE	5.05E-09
Overall COPD	E2F2	cg22040403	rs2981950	A	C	-0.193	0.024	0.435	2.50E-16	0.005	0.009	0.631	0.018	67.127	TRUE	4.50E-16
Overall COPD	E2F2	cg22040403	rs2999141	C	A	0.379	0.026	0.286	9.01E-50	0.026	0.008	0.001	0.056	219.889	TRUE	2.02E-47
Overall COPD	E2F2	cg22040403	rs3218194	T	G	-0.541	0.083	0.045	7.36E-11	0.004	0.015	0.795	0.011	42.397	TRUE	9.73E-11
Overall COPD	E2F2	cg22040403	rs649458	T	A	-0.219	0.033	0.138	5.80E-11	0.020	0.010	0.054	0.011	42.863	TRUE	1.48E-10
Overall COPD	E2F2	cg22040403	rs6663369	A	G	0.259	0.031	0.172	1.04E-16	0.007	0.009	0.418	0.018	68.861	TRUE	2.23E-16
Overall COPD	E2F2	cg22040403	rs72663238	G	C	0.438	0.071	0.034	8.14E-10	0.008	0.021	0.698	0.010	37.705	TRUE	1.09E-09
Overall COPD	E2F2	cg22040403	rs76473856	C	T	-0.424	0.071	0.026	2.07E-09	-0.006	0.018	0.719	0.010	35.888	TRUE	2.71E-09

Overall COPD	E2F2	cg22040403	rs78543575	C	G	-0.546	0.076	0.019	5.10E-13	0.003	0.021	0.895	0.014	52.136	TRUE	6.87E-13
Overall COPD	E2F2	cg22040403	rs79371518	A	G	-0.195	0.033	0.146	2.73E-09	-0.006	0.011	0.584	0.009	35.350	TRUE	3.81E-09
Overall COPD	E2F2	cg24254937	rs11591199	T	C	0.455	0.045	0.072	3.90E-24	0.032	0.013	0.015	0.027	102.642	TRUE	3.38E-23
Overall COPD	E2F2	cg24254937	rs2811937	G	A	-0.214	0.024	0.375	2.03E-19	-0.009	0.007	0.230	0.021	81.163	TRUE	6.22E-19
Overall COPD	EIF2AK4	cg01081584	rs12899936	A	G	0.165	0.028	0.234	2.41E-09	-0.004	0.008	0.646	0.010	35.591	TRUE	3.27E-09
Overall COPD	EIF2AK4	cg01081584	rs16969811	A	G	0.264	0.041	0.092	7.29E-11	-0.004	0.012	0.768	0.011	42.418	TRUE	9.76E-11
Overall COPD	EIF2AK4	cg01081584	rs2307105	A	G	-1.289	0.062	0.039	7.55E-95	0.003	0.015	0.861	0.103	426.704	TRUE	5.34E-91
Overall COPD	EIF2AK4	cg01081584	rs34513040	C	T	0.306	0.036	0.130	3.26E-17	-0.003	0.013	0.829	0.019	71.143	TRUE	5.34E-17
Overall COPD	EIF2AK4	cg01081584	rs4923847	C	T	-0.453	0.024	0.387	1.53E-81	0.000	0.007	0.989	0.090	365.619	TRUE	1.05E-78
Overall COPD	EIF2AK4	cg01081584	rs76168202	A	G	-0.572	0.098	0.012	5.48E-09	0.007	0.029	0.823	0.009	33.991	TRUE	6.76E-09
Overall COPD	EIF2AK4	cg02712587	rs114325441	C	T	0.482	0.051	0.053	6.92E-21	0.036	0.015	0.015	0.023	87.844	TRUE	4.60E-20
Overall COPD	EIF2AK4	cg04467278	rs11853517	G	A	0.278	0.051	0.053	4.48E-08	0.021	0.014	0.148	0.008	29.916	TRUE	8.06E-08
Overall COPD	EIF2AK4	cg04467278	rs508281	G	A	0.327	0.026	0.269	3.58E-36	0.006	0.008	0.429	0.041	157.625	TRUE	2.73E-35
Overall COPD	EIF2AK4	cg04467278	rs7173524	T	C	0.194	0.032	0.159	7.46E-10	0.005	0.009	0.616	0.010	37.877	TRUE	1.04E-09
Overall COPD	EIF2AK4	cg05304366	rs11763	G	C	-0.218	0.030	0.177	4.10E-13	-0.003	0.009	0.764	0.014	52.565	TRUE	5.96E-13
Overall COPD	EIF2AK4	cg05304366	rs118058246	G	C	-0.529	0.078	0.024	1.28E-11	0.032	0.026	0.222	0.012	45.821	TRUE	2.56E-11
Overall COPD	EIF2AK4	cg05304366	rs166702	G	A	0.140	0.024	0.454	3.82E-09	-0.007	0.007	0.290	0.009	34.693	TRUE	6.37E-09
Overall COPD	EIF2AK4	cg05304366	rs16970319	G	C	-0.428	0.039	0.098	2.36E-28	0.000	0.012	0.993	0.032	121.893	TRUE	5.99E-28
Overall COPD	EIF2AK4	cg05304366	rs2934194	A	G	0.205	0.026	0.281	1.71E-15	-0.003	0.008	0.727	0.017	63.335	TRUE	2.79E-15
Overall COPD	EIF2AK4	cg05304366	rs4566130	T	C	-0.661	0.111	0.013	2.45E-09	-0.002	0.020	0.913	0.010	35.556	TRUE	2.93E-09
Overall COPD	EIF2AK4	cg05304366	rs534757	C	T	-0.684	0.025	0.269	1.21E-159	0.006	0.008	0.432	0.164	724.414	TRUE	3.88E-149
Overall COPD	EIF2AK4	cg05304366	rs62004060	C	G	0.257	0.032	0.180	4.24E-16	-0.013	0.009	0.165	0.018	66.087	TRUE	1.17E-15
Overall COPD	EIF2AK4	cg05304366	rs648289	C	T	0.170	0.024	0.416	1.58E-12	0.005	0.007	0.466	0.013	49.920	TRUE	2.69E-12
Overall COPD	EIF2AK4	cg05304366	rs7168010	A	G	-0.340	0.054	0.048	4.50E-10	-0.014	0.018	0.431	0.010	38.863	TRUE	7.07E-10
Overall COPD	EIF2AK4	cg05304366	rs7173524	T	C	-0.280	0.032	0.159	1.86E-18	0.005	0.009	0.616	0.020	76.792	TRUE	3.74E-18
Overall COPD	EIF2AK4	cg05304366	rs75931581	C	T	-0.543	0.066	0.035	3.05E-16	0.024	0.018	0.175	0.018	66.737	TRUE	8.36E-16
Overall COPD	EIF2AK4	cg05304366	rs8026892	C	T	-0.252	0.034	0.142	1.09E-13	-0.003	0.009	0.777	0.015	55.159	TRUE	1.61E-13
Overall COPD	EIF2AK4	cg05304366	rs8030505	C	G	-0.549	0.072	0.029	1.81E-14	0.022	0.017	0.201	0.016	58.694	TRUE	4.33E-14
Overall COPD	EIF2AK4	cg06753055	rs11638696	A	G	-0.615	0.072	0.028	1.84E-17	0.035	0.020	0.073	0.019	72.273	TRUE	6.76E-17
Overall COPD	EIF2AK4	cg06753055	rs17722526	G	A	0.141	0.025	0.356	9.97E-09	-0.013	0.007	0.076	0.009	32.830	TRUE	2.08E-08
Overall COPD	EIF2AK4	cg06753055	rs2412476	C	T	-0.219	0.025	0.295	9.07E-18	0.009	0.007	0.200	0.020	73.666	TRUE	2.63E-17
Overall COPD	EIF2AK4	cg06753055	rs547183	T	C	-0.226	0.024	0.499	1.55E-21	0.003	0.007	0.661	0.024	90.805	TRUE	3.50E-21
Overall COPD	EIF2AK4	cg06753055	rs7181860	T	C	-1.468	0.040	0.071	2.88E-295	0.029	0.012	0.016	0.267	1348.023	TRUE	5.37E-262
Overall COPD	EIF2AK4	cg06753055	rs74979780	A	G	-0.268	0.031	0.169	4.32E-18	-0.007	0.009	0.471	0.020	75.129	TRUE	9.55E-18
Overall COPD	EIF2AK4	cg06753055	rs78312336	T	C	-0.940	0.133	0.015	1.72E-12	-0.008	0.024	0.738	0.013	49.750	TRUE	2.48E-12
Overall COPD	EIF2AK4	cg06753055	rs920141	C	T	-0.280	0.027	0.249	1.37E-24	0.004	0.008	0.588	0.028	104.721	TRUE	3.90E-24
Overall COPD	EIF2AK4	cg16127683	rs113776570	C	A	0.511	0.031	0.178	2.60E-62	0.011	0.009	0.198	0.070	277.374	TRUE	4.71E-60
Overall COPD	EIF2AK4	cg16127683	rs12594695	C	G	0.406	0.042	0.080	1.83E-22	0.031	0.012	0.010	0.025	95.031	TRUE	1.49E-21
Overall COPD	EIF2AK4	cg16127683	rs12900686	T	C	-0.593	0.024	0.331	2.44E-133	-0.001	0.007	0.940	0.140	603.517	TRUE	3.60E-126
Overall COPD	EIF2AK4	cg16127683	rs140560970	T	C	0.618	0.101	0.010	8.34E-10	0.055	0.037	0.137	0.010	37.659	TRUE	1.68E-09
Overall COPD	EIF2AK4	cg16127683	rs1540686	G	A	-0.260	0.024	0.448	7.25E-28	0.004	0.007	0.583	0.031	119.664	TRUE	2.55E-27
Overall COPD	EIF2AK4	cg16127683	rs16969811	A	G	0.311	0.041	0.092	1.59E-14	-0.004	0.012	0.768	0.016	58.950	TRUE	2.43E-14

Overall COPD	EIF2AK4	cg16127683	rs16970132	G	A	-1.395	0.067	0.035	2.46E-97	0.009	0.017	0.573	0.106	438.127	TRUE	4.31E-93
Overall COPD	EIF2AK4	cg16127683	rs76168202	A	G	-0.629	0.098	0.012	1.57E-10	0.007	0.029	0.823	0.011	40.922	TRUE	2.02E-10
Overall COPD	EIF2AK4	cg16127683	rs8042947	G	A	0.215	0.026	0.259	4.21E-16	0.005	0.008	0.538	0.018	66.101	TRUE	8.00E-16
Overall COPD	EIF2AK4	cg19538502	rs16970319	G	C	0.242	0.038	0.098	2.88E-10	0.000	0.012	0.993	0.011	39.735	TRUE	3.39E-10
Overall COPD	EIF2AK4	cg19538502	rs534757	C	T	0.468	0.026	0.269	4.38E-74	0.006	0.008	0.432	0.082	331.388	TRUE	2.34E-71
Overall COPD	EIF2AK4	cg19538502	rs7173524	T	C	0.251	0.032	0.159	1.69E-15	0.005	0.009	0.616	0.017	63.359	TRUE	2.97E-15
Overall COPD	EIF2AK4	cg19538502	rs74011716	T	C	0.503	0.086	0.020	5.39E-09	0.015	0.019	0.428	0.009	34.026	TRUE	8.11E-09
Overall COPD	EIF2AK4	cg19538502	rs75931581	C	T	0.381	0.066	0.035	5.93E-09	0.024	0.018	0.175	0.009	33.838	TRUE	1.09E-08
Overall COPD	EIF2AK4	cg19538502	rs76699261	C	G	0.439	0.076	0.024	6.18E-09	0.034	0.028	0.226	0.009	33.758	TRUE	1.08E-08
Overall COPD	EIF2AK4	cg19538502	rs8035396	G	A	0.127	0.023	0.464	4.13E-08	0.004	0.007	0.520	0.008	30.073	TRUE	5.71E-08
Overall COPD	EIF2AK4	cg20255370	rs113776570	C	A	0.500	0.031	0.178	1.14E-59	0.011	0.009	0.198	0.067	265.252	TRUE	1.48E-57
Overall COPD	EIF2AK4	cg20255370	rs12594695	C	G	0.410	0.042	0.080	6.41E-23	0.031	0.012	0.010	0.026	97.102	TRUE	5.43E-22
Overall COPD	EIF2AK4	cg20255370	rs12900686	T	C	-0.578	0.024	0.331	1.43E-126	-0.001	0.007	0.940	0.134	572.416	TRUE	4.58E-120
Overall COPD	EIF2AK4	cg20255370	rs140560970	T	C	0.577	0.101	0.010	1.03E-08	0.055	0.037	0.137	0.009	32.757	TRUE	1.96E-08
Overall COPD	EIF2AK4	cg20255370	rs1540686	G	A	-0.255	0.024	0.448	7.22E-27	0.004	0.007	0.583	0.030	115.109	TRUE	2.38E-26
Overall COPD	EIF2AK4	cg20255370	rs16969811	A	G	0.336	0.040	0.092	1.12E-16	-0.004	0.012	0.768	0.018	68.702	TRUE	1.87E-16
Overall COPD	EIF2AK4	cg20255370	rs72729494	T	A	-1.379	0.066	0.035	3.77E-96	0.009	0.017	0.589	0.105	432.679	TRUE	5.21E-92
Overall COPD	EIF2AK4	cg20255370	rs76168202	A	G	-0.673	0.098	0.012	7.26E-12	0.007	0.029	0.823	0.013	46.932	TRUE	9.77E-12
Overall COPD	EIF2AK4	cg20255370	rs8042947	G	A	0.207	0.026	0.259	5.09E-15	0.005	0.008	0.538	0.016	61.192	TRUE	9.22E-15
Overall COPD	EIF2AK4	cg21830797	rs113728914	C	T	0.410	0.039	0.096	9.02E-26	0.004	0.013	0.782	0.029	110.105	TRUE	2.34E-25
Overall COPD	EIF2AK4	cg21830797	rs12438821	C	T	0.348	0.052	0.057	1.70E-11	0.018	0.013	0.156	0.012	45.266	TRUE	3.66E-11
Overall COPD	EIF2AK4	cg21830797	rs12439335	C	T	-0.252	0.025	0.334	7.74E-25	-0.001	0.007	0.922	0.028	105.848	TRUE	1.71E-24
Overall COPD	EIF2AK4	cg21830797	rs34519780	A	G	-0.250	0.028	0.225	1.54E-19	-0.002	0.009	0.772	0.022	81.716	TRUE	2.90E-19
Overall COPD	EIF2AK4	cg21830797	rs518770	C	T	0.850	0.025	0.269	9.08E-261	0.008	0.008	0.321	0.243	1189.360	TRUE	3.86E-235
Overall COPD	EIF2AK4	cg21830797	rs57932457	C	T	0.359	0.064	0.033	1.85E-08	0.013	0.019	0.490	0.008	31.627	TRUE	2.64E-08
Overall COPD	EIF2AK4	cg21830797	rs62004060	C	G	-0.198	0.032	0.180	3.42E-10	-0.013	0.009	0.165	0.011	39.396	TRUE	6.78E-10
Overall COPD	EIF2AK4	cg21830797	rs7173524	T	C	0.374	0.032	0.159	3.92E-32	0.005	0.009	0.616	0.036	139.154	TRUE	1.78E-31
Overall COPD	EIF2AK4	cg21830797	rs72729404	A	G	0.532	0.067	0.030	2.19E-15	-0.032	0.019	0.094	0.017	62.851	TRUE	6.65E-15
Overall COPD	EIF2AK4	cg21830797	rs75110365	T	C	0.391	0.070	0.031	2.14E-08	0.041	0.019	0.033	0.008	31.345	TRUE	4.94E-08
Overall COPD	EIF2AK4	cg21830797	rs75931581	C	T	0.617	0.066	0.035	1.17E-20	0.024	0.018	0.175	0.023	86.797	TRUE	4.23E-20
Overall COPD	EIF2AK4	cg21830797	rs76699261	C	G	0.733	0.076	0.024	6.88E-22	0.034	0.028	0.226	0.024	92.408	TRUE	2.47E-21
Overall COPD	EIF2AK4	cg21830797	rs77820631	G	A	0.697	0.110	0.014	2.53E-10	-0.003	0.020	0.896	0.011	39.984	TRUE	3.13E-10
Overall COPD	EIF2AK4	cg21830797	rs8030505	C	G	0.671	0.071	0.029	5.23E-21	0.022	0.017	0.201	0.023	88.396	TRUE	1.84E-20
Overall COPD	EIF2AK4	cg21830797	rs8033687	C	T	-0.154	0.025	0.327	1.25E-09	-0.008	0.007	0.237	0.010	36.873	TRUE	2.22E-09
Overall COPD	EIF2AK4	cg22077389	rs113728914	C	T	0.444	0.039	0.096	4.53E-30	0.004	0.013	0.782	0.034	129.733	TRUE	1.53E-29
Overall COPD	EIF2AK4	cg22077389	rs11853517	G	A	0.489	0.051	0.053	1.66E-21	0.021	0.014	0.148	0.024	90.660	TRUE	6.66E-21
Overall COPD	EIF2AK4	cg22077389	rs12439335	C	T	-0.231	0.025	0.334	5.80E-21	-0.001	0.007	0.922	0.023	88.193	TRUE	1.05E-20
Overall COPD	EIF2AK4	cg22077389	rs166702	G	A	-0.147	0.024	0.454	4.37E-10	-0.007	0.007	0.290	0.010	38.917	TRUE	7.62E-10
Overall COPD	EIF2AK4	cg22077389	rs34519780	A	G	-0.210	0.028	0.225	3.23E-14	-0.002	0.009	0.772	0.015	57.557	TRUE	4.87E-14
Overall COPD	EIF2AK4	cg22077389	rs518770	C	T	0.821	0.025	0.269	2.83E-239	0.008	0.008	0.321	0.228	1090.516	TRUE	2.62E-217
Overall COPD	EIF2AK4	cg22077389	rs62004060	C	G	-0.225	0.032	0.180	1.07E-12	-0.013	0.009	0.165	0.014	50.693	TRUE	2.42E-12
Overall COPD	EIF2AK4	cg22077389	rs7173524	T	C	0.403	0.032	0.159	2.99E-37	0.005	0.009	0.616	0.042	162.560	TRUE	2.00E-36

Overall COPD	EIF2AK4	cg22077389	rs72729404	A	G	0.481	0.067	0.030	7.23E-13	-0.032	0.019	0.094	0.014	51.453	TRUE	1.88E-12
Overall COPD	EIF2AK4	cg22077389	rs75110365	T	C	0.434	0.070	0.031	4.81E-10	0.041	0.019	0.033	0.010	38.733	TRUE	1.25E-09
Overall COPD	EIF2AK4	cg22077389	rs76699261	C	G	0.735	0.076	0.024	4.44E-22	0.034	0.028	0.226	0.025	93.272	TRUE	1.61E-21
Overall COPD	EIF2AK4	cg22077389	rs8030505	C	G	0.642	0.071	0.029	2.45E-19	0.022	0.017	0.201	0.021	80.791	TRUE	7.79E-19
Overall COPD	EIF2AK4	cg25407064	rs12438821	C	T	0.360	0.052	0.057	3.27E-12	0.018	0.013	0.156	0.013	48.492	TRUE	7.34E-12
Overall COPD	EIF2AK4	cg25407064	rs12439335	C	T	-0.251	0.025	0.334	1.68E-24	-0.001	0.007	0.922	0.027	104.309	TRUE	3.65E-24
Overall COPD	EIF2AK4	cg25407064	rs166702	G	A	-0.145	0.024	0.454	8.99E-10	-0.007	0.007	0.290	0.010	37.512	TRUE	1.54E-09
Overall COPD	EIF2AK4	cg25407064	rs16970319	G	C	0.470	0.039	0.098	5.01E-34	0.000	0.012	0.993	0.038	147.811	TRUE	1.83E-33
Overall COPD	EIF2AK4	cg25407064	rs34519780	A	G	-0.233	0.028	0.225	3.70E-17	-0.002	0.009	0.772	0.019	70.890	TRUE	6.29E-17
Overall COPD	EIF2AK4	cg25407064	rs4566130	T	C	0.610	0.111	0.013	3.64E-08	-0.002	0.020	0.913	0.008	30.318	TRUE	4.21E-08
Overall COPD	EIF2AK4	cg25407064	rs518770	C	T	0.883	0.024	0.269	2.39E-284	0.008	0.008	0.321	0.260	1297.801	TRUE	2.01E-254
Overall COPD	EIF2AK4	cg25407064	rs57932457	C	T	0.411	0.064	0.033	1.27E-10	0.013	0.019	0.490	0.011	41.335	TRUE	1.97E-10
Overall COPD	EIF2AK4	cg25407064	rs62004060	C	G	-0.252	0.032	0.180	1.33E-15	-0.013	0.009	0.165	0.017	63.832	TRUE	3.57E-15
Overall COPD	EIF2AK4	cg25407064	rs7173524	T	C	0.414	0.032	0.159	4.44E-39	0.005	0.009	0.616	0.044	170.925	TRUE	3.44E-38
Overall COPD	EIF2AK4	cg25407064	rs72729408	G	A	0.483	0.065	0.034	7.97E-14	-0.031	0.019	0.101	0.015	55.783	TRUE	2.16E-13
Overall COPD	EIF2AK4	cg25407064	rs75931581	C	T	0.641	0.066	0.035	3.39E-22	0.024	0.018	0.175	0.025	93.805	TRUE	1.35E-21
Overall COPD	EIF2AK4	cg25407064	rs76699261	C	G	0.711	0.076	0.024	1.09E-20	0.034	0.028	0.226	0.023	86.940	TRUE	3.63E-20
Overall COPD	EIF2AK4	cg25407064	rs8030505	C	G	0.681	0.071	0.029	1.46E-21	0.022	0.017	0.201	0.024	90.918	TRUE	5.33E-21
Overall COPD	EPO	cg00854166	rs1734908	G	T	-0.226	0.024	0.394	1.51E-21	-0.006	0.007	0.353	0.024	90.849	TRUE	4.53E-21
Overall COPD	EPO	cg01087129	rs113787331	A	G	0.257	0.045	0.076	1.10E-08	-0.008	0.014	0.563	0.009	32.637	TRUE	1.52E-08
Overall COPD	EPO	cg01087129	rs11970888	T	C	-0.481	0.041	0.088	4.43E-32	-0.018	0.012	0.137	0.036	138.913	TRUE	3.99E-31
Overall COPD	EPO	cg01087129	rs138620343	G	A	-0.565	0.099	0.013	1.18E-08	0.046	0.030	0.124	0.009	32.508	TRUE	2.26E-08
Overall COPD	EPO	cg01087129	rs149319219	T	C	0.255	0.044	0.080	9.43E-09	-0.010	0.013	0.460	0.009	32.938	TRUE	1.38E-08
Overall COPD	EPO	cg01087129	rs2527923	T	C	-0.142	0.023	0.496	8.43E-10	0.015	0.007	0.026	0.010	37.638	TRUE	2.22E-09
Overall COPD	EPO	cg01087129	rs314305	C	T	-0.304	0.024	0.467	2.32E-38	-0.006	0.007	0.336	0.043	167.640	TRUE	2.41E-37
Overall COPD	EPO	cg01087129	rs3847067	A	C	0.256	0.026	0.293	2.53E-22	-0.002	0.009	0.777	0.025	94.389	TRUE	5.46E-22
Overall COPD	EPO	cg01087129	rs67328257	A	G	-0.145	0.026	0.301	1.28E-08	-0.006	0.007	0.421	0.009	32.346	TRUE	1.90E-08
Overall COPD	EPO	cg01087129	rs7797690	T	C	-0.181	0.025	0.345	4.95E-13	-0.009	0.007	0.194	0.014	52.197	TRUE	1.10E-12
Overall COPD	EPO	cg07841815	rs141981996	T	C	-0.246	0.037	0.105	2.19E-11	-0.003	0.011	0.779	0.012	44.770	TRUE	2.97E-11
Overall COPD	EPO	cg07841815	rs2432930	A	G	-0.372	0.023	0.393	6.59E-58	-0.006	0.007	0.348	0.065	257.182	TRUE	4.96E-56
Overall COPD	EPO	cg07841815	rs2527923	T	C	-0.144	0.023	0.496	2.92E-10	0.015	0.007	0.026	0.011	39.705	TRUE	7.97E-10
Overall COPD	EPO	cg07841815	rs314337	C	T	-0.185	0.023	0.478	1.88E-15	-0.006	0.008	0.488	0.017	63.150	TRUE	3.60E-15
Overall COPD	EPO	cg07841815	rs3808355	T	C	0.157	0.026	0.293	1.74E-09	-0.002	0.009	0.777	0.010	36.228	TRUE	2.22E-09
Overall COPD	EPO	cg08575537	rs221799	G	A	-0.334	0.024	0.394	1.92E-45	-0.008	0.007	0.269	0.051	200.056	TRUE	4.33E-44
Overall COPD	EPO	cg08575537	rs314342	G	A	-0.148	0.024	0.478	3.26E-10	-0.011	0.009	0.224	0.011	39.490	TRUE	6.06E-10
Overall COPD	EPO	cg08575537	rs3808355	T	C	0.151	0.026	0.293	1.12E-08	-0.002	0.009	0.777	0.009	32.609	TRUE	1.39E-08
Overall COPD	EPO	cg08575537	rs4134898	T	C	-0.239	0.034	0.127	3.48E-12	-0.008	0.009	0.378	0.013	48.373	TRUE	6.23E-12
Overall COPD	EPO	cg10864074	rs2432930	A	G	-0.169	0.024	0.393	8.24E-13	-0.006	0.007	0.348	0.014	51.196	TRUE	1.56E-12
Overall COPD	EPO	cg17100761	rs2432930	A	G	-0.182	0.024	0.393	1.06E-14	-0.006	0.007	0.348	0.016	59.740	TRUE	2.21E-14
Overall COPD	EPO	cg20893717	rs221795	C	T	-0.137	0.024	0.355	1.51E-08	-0.015	0.007	0.033	0.009	32.021	TRUE	3.53E-08
Overall COPD	EPO	cg26071806	rs1734908	G	T	-0.320	0.024	0.394	4.60E-42	-0.006	0.007	0.353	0.048	184.586	TRUE	6.48E-41
Overall COPD	EPO	cg26071806	rs2734887	T	G	0.211	0.037	0.124	7.31E-09	0.017	0.012	0.147	0.009	33.432	TRUE	1.38E-08

Overall COPD	EPO	cg26071806	rs314306	G	A	-0.136	0.024	0.475	7.28E-09	-0.006	0.007	0.380	0.009	33.440	TRUE	1.12E-08
Overall COPD	EPO	cg26071806	rs62482175	T	G	-0.212	0.034	0.129	4.20E-10	-0.014	0.010	0.159	0.010	38.995	TRUE	8.35E-10
Overall COPD	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	0.019	0.008	0.017	0.016	60.309	TRUE	3.24E-14
Overall COPD	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	0.003	0.007	0.651	0.012	45.175	TRUE	2.59E-11
Overall COPD	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.001	0.011	0.906	0.046	179.017	TRUE	5.03E-40
Overall COPD	ERBB3	cg10869879	rs76219216	C	G	0.323	0.053	0.047	9.11E-10	0.008	0.016	0.606	0.010	37.486	TRUE	1.28E-09
Overall COPD	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	0.019	0.008	0.017	0.041	157.406	TRUE	9.85E-35
Overall COPD	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	0.009	0.007	0.181	0.020	74.210	TRUE	2.07E-17
Overall COPD	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	0.011	0.007	0.134	0.047	183.509	TRUE	1.72E-40
Overall COPD	ERCC4	cg03927470	rs13334256	T	G	-0.174	0.031	0.173	1.96E-08	0.007	0.009	0.416	0.008	31.521	TRUE	2.90E-08
Overall COPD	ERCC4	cg03927470	rs3136155	T	C	-0.530	0.024	0.341	8.26E-109	0.018	0.007	0.012	0.117	490.823	TRUE	1.55E-102
Overall COPD	ERCC4	cg03927470	rs66859427	C	A	0.174	0.027	0.255	1.92E-10	0.005	0.008	0.542	0.011	40.524	TRUE	2.87E-10
Overall COPD	ERCC4	cg03927470	rs72783404	C	T	-0.364	0.066	0.035	3.38E-08	-0.012	0.017	0.506	0.008	30.461	TRUE	4.72E-08
Overall COPD	ERCC4	cg24091698	rs3136085	C	G	-0.197	0.026	0.276	2.10E-14	0.019	0.008	0.016	0.016	58.408	TRUE	8.34E-14
Overall COPD	ERCC6	cg01982597	rs17010079	G	A	-0.196	0.029	0.203	1.94E-11	0.001	0.008	0.905	0.012	45.008	TRUE	2.47E-11
Overall COPD	ERCC6	cg01982597	rs7087700	G	A	0.253	0.026	0.286	2.75E-22	-0.001	0.008	0.900	0.025	94.221	TRUE	5.41E-22
Overall COPD	ERCC6	cg08335125	rs10776576	A	G	0.595	0.031	0.160	3.13E-81	0.013	0.009	0.147	0.090	364.184	TRUE	1.02E-77
Overall COPD	ERCC6	cg08335125	rs4253121	A	G	-0.343	0.029	0.200	3.53E-32	0.000	0.008	0.984	0.036	139.361	TRUE	1.15E-31
Overall COPD	ERCC6	cg08335125	rs568411179	A	T	0.629	0.078	0.021	1.06E-15	-0.035	0.038	0.362	0.017	64.279	TRUE	2.28E-15
Overall COPD	ERCC6	cg08335125	rs885834	G	A	0.289	0.024	0.385	3.00E-32	0.009	0.007	0.206	0.036	139.690	TRUE	2.34E-31
Overall COPD	ERCC6	cg12798853	rs11101022	A	G	-0.151	0.027	0.278	1.30E-08	-0.014	0.008	0.073	0.009	32.313	TRUE	2.71E-08
Overall COPD	ERCC6	cg12798853	rs111200275	A	G	-0.356	0.057	0.101	3.02E-10	0.008	0.013	0.558	0.011	39.637	TRUE	4.44E-10
Overall COPD	ERCC6	cg12798853	rs138843817	G	A	-0.744	0.099	0.012	5.06E-14	-0.039	0.035	0.261	0.015	56.678	TRUE	1.10E-13
Overall COPD	ERCC6	cg12798853	rs139856032	G	C	-0.444	0.043	0.082	6.10E-25	0.007	0.015	0.634	0.028	106.317	TRUE	1.71E-24
Overall COPD	ERCC6	cg12798853	rs150943417	T	C	-0.600	0.097	0.020	5.52E-10	0.017	0.026	0.522	0.010	38.465	TRUE	8.18E-10
Overall COPD	ERCC6	cg12798853	rs2103202	C	T	0.174	0.026	0.298	1.72E-11	0.006	0.007	0.401	0.012	45.242	TRUE	2.93E-11
Overall COPD	ERCC6	cg12798853	rs3729496	G	T	0.209	0.028	0.242	5.64E-14	-0.011	0.008	0.171	0.015	56.462	TRUE	1.37E-13
Overall COPD	ERCC6	cg12798853	rs4838518	T	C	-0.297	0.023	0.480	2.89E-37	-0.002	0.007	0.784	0.042	162.628	TRUE	1.63E-36
Overall COPD	ERCC6	cg12798853	rs72795726	C	T	-0.859	0.101	0.015	2.52E-17	0.042	0.028	0.137	0.019	71.653	TRUE	7.88E-17
Overall COPD	ERCC6	cg12798853	rs74427646	A	G	-0.559	0.055	0.046	2.43E-24	0.006	0.016	0.721	0.027	103.582	TRUE	6.11E-24
Overall COPD	ERCC6	cg12798853	rs7903692	C	T	-0.248	0.025	0.323	8.21E-23	0.010	0.007	0.145	0.025	96.613	TRUE	3.61E-22
Overall COPD	ERCC6	cg12798853	rs868750	A	G	-0.294	0.043	0.170	7.08E-12	0.015	0.009	0.120	0.013	46.980	TRUE	1.65E-11
Overall COPD	ERCC6	cg15490694	rs76302001	C	T	-0.517	0.060	0.034	6.73E-18	-0.006	0.016	0.717	0.020	74.253	TRUE	1.23E-17
Overall COPD	ERCC6	cg25656283	rs12259435	T	G	0.391	0.056	0.039	2.42E-12	0.000	0.016	0.977	0.013	49.082	TRUE	3.05E-12
Overall COPD	ERCC6	cg25656283	rs17010079	G	A	-0.268	0.029	0.203	2.80E-20	0.001	0.008	0.905	0.022	85.082	TRUE	4.98E-20
Overall COPD	ERCC6	cg25656283	rs57595336	G	T	0.468	0.069	0.031	1.55E-11	0.011	0.021	0.602	0.012	45.439	TRUE	2.34E-11
Overall COPD	EYA4	cg00156497	rs113131165	A	G	-0.869	0.116	0.011	7.68E-14	-0.004	0.030	0.890	0.015	55.855	TRUE	1.07E-13
Overall COPD	EYA4	cg00156497	rs117434049	A	G	0.472	0.080	0.026	3.44E-09	-0.002	0.025	0.929	0.009	34.898	TRUE	4.06E-09
Overall COPD	EYA4	cg00156497	rs12154093	T	C	-0.696	0.093	0.016	6.51E-14	-0.013	0.019	0.490	0.015	56.182	TRUE	1.16E-13
Overall COPD	EYA4	cg00156497	rs12189904	T	C	0.516	0.036	0.144	3.56E-47	-0.004	0.011	0.742	0.053	207.994	TRUE	4.93E-46
Overall COPD	EYA4	cg00156497	rs141902412	G	T	-0.507	0.090	0.046	2.03E-08	-0.013	0.017	0.451	0.008	31.452	TRUE	2.94E-08
Overall COPD	EYA4	cg00156497	rs150999062	A	C	-0.967	0.075	0.025	2.12E-38	-0.039	0.017	0.019	0.043	167.813	TRUE	6.31E-37

Overall COPD	EYA4	cg00156497	rs2104261	T	C	-0.233	0.031	0.206	1.23E-13	-0.001	0.008	0.898	0.015	54.937	TRUE	1.68E-13
Overall COPD	EYA4	cg00156497	rs211436	T	C	0.600	0.029	0.244	8.99E-98	0.002	0.008	0.839	0.106	440.132	TRUE	1.10E-93
Overall COPD	EYA4	cg00156497	rs212785	C	T	0.358	0.039	0.116	4.68E-20	0.008	0.010	0.455	0.022	84.066	TRUE	1.16E-19
Overall COPD	EYA4	cg00156497	rs2294758	A	G	-0.211	0.027	0.326	9.98E-15	0.001	0.007	0.871	0.016	59.867	TRUE	1.45E-14
Overall COPD	EYA4	cg00156497	rs2327351	G	A	-0.432	0.029	0.248	2.94E-50	-0.009	0.007	0.240	0.057	222.117	TRUE	1.16E-48
Overall COPD	EYA4	cg00156497	rs2636610	A	G	0.212	0.033	0.168	1.81E-10	0.002	0.009	0.798	0.011	40.642	TRUE	2.36E-10
Overall COPD	EYA4	cg00156497	rs271140	G	A	0.343	0.027	0.354	3.68E-38	0.010	0.008	0.195	0.043	166.720	TRUE	4.85E-37
Overall COPD	EYA4	cg00156497	rs3798355	T	C	0.399	0.048	0.072	1.97E-16	0.003	0.014	0.847	0.018	67.594	TRUE	3.09E-16
Overall COPD	EYA4	cg00156497	rs509685	A	G	-0.975	0.025	0.266	<1E-200	0.014	0.008	0.077	0.296	1554.923	TRUE	2.68E-298
Overall COPD	EYA4	cg00156497	rs59740783	A	G	-0.253	0.040	0.116	1.60E-10	-0.017	0.010	0.108	0.011	40.877	TRUE	3.52E-10
Overall COPD	EYA4	cg00156497	rs72996130	C	A	0.474	0.085	0.051	2.64E-08	0.015	0.016	0.332	0.008	30.937	TRUE	4.11E-08
Overall COPD	EYA4	cg00156497	rs75673578	T	C	-0.567	0.077	0.065	1.44E-13	0.006	0.014	0.663	0.015	54.627	TRUE	2.25E-13
Overall COPD	EYA4	cg00156497	rs75800244	T	C	-0.344	0.055	0.055	3.22E-10	0.021	0.014	0.128	0.011	39.517	TRUE	6.72E-10
Overall COPD	EYA4	cg00156497	rs7750244	T	C	0.422	0.029	0.257	7.14E-48	0.000	0.008	0.998	0.054	211.189	TRUE	7.99E-47
Overall COPD	EYA4	cg00156497	rs79506917	G	A	0.414	0.052	0.056	2.93E-15	-0.007	0.013	0.564	0.017	62.281	TRUE	5.26E-15
Overall COPD	EYA4	cg00156497	rs79597233	C	T	-0.784	0.096	0.016	4.24E-16	0.021	0.028	0.445	0.018	66.084	TRUE	8.67E-16
Overall COPD	EYA4	cg00156497	rs9373034	T	C	0.245	0.028	0.317	1.07E-18	0.001	0.008	0.898	0.021	77.881	TRUE	1.79E-18
Overall COPD	EYA4	cg00156497	rs998630	G	A	-0.453	0.081	0.026	1.90E-08	-0.016	0.022	0.471	0.008	31.579	TRUE	2.73E-08
Overall COPD	EYA4	cg01162672	rs569833	T	C	0.190	0.029	0.252	1.20E-10	0.005	0.008	0.514	0.011	41.441	TRUE	1.84E-10
Overall COPD	EYA4	cg08917489	rs3777781	A	T	-0.228	0.030	0.221	3.09E-14	-0.018	0.008	0.016	0.015	57.648	TRUE	1.21E-13
Overall COPD	EYA4	cg08917489	rs9402497	A	G	0.235	0.031	0.221	1.36E-14	-0.001	0.009	0.954	0.016	59.254	TRUE	1.87E-14
Overall COPD	EYA4	cg10105884	rs7756044	C	T	0.302	0.042	0.100	6.11E-13	-0.005	0.012	0.648	0.014	51.784	TRUE	9.43E-13
Overall COPD	EYA4	cg13912545	rs1338009	C	T	0.228	0.025	0.442	2.10E-19	-0.016	0.007	0.014	0.021	81.099	TRUE	1.26E-18
Overall COPD	EYA4	cg17985029	rs12200155	A	G	0.320	0.030	0.223	9.42E-26	-0.002	0.008	0.768	0.029	110.018	TRUE	2.47E-25
Overall COPD	EYA4	cg17985029	rs1338009	C	T	0.662	0.024	0.442	1.08E-167	-0.016	0.007	0.014	0.171	761.400	TRUE	4.65E-155
Overall COPD	EYA4	cg17985029	rs1338015	G	A	0.547	0.063	0.042	5.28E-18	-0.014	0.016	0.374	0.020	74.731	TRUE	1.27E-17
Overall COPD	EYA4	cg17985029	rs1763931	T	C	0.407	0.072	0.033	1.48E-08	-0.018	0.018	0.314	0.009	32.056	TRUE	2.36E-08
Overall COPD	EYA4	cg17985029	rs35047285	T	A	0.221	0.028	0.297	1.93E-15	0.003	0.007	0.683	0.017	63.101	TRUE	3.23E-15
Overall COPD	EYA4	cg17985029	rs6569884	T	G	0.157	0.027	0.343	4.23E-09	-0.004	0.008	0.592	0.009	34.496	TRUE	5.84E-09
Overall COPD	EYA4	cg17985029	rs6915515	C	T	0.193	0.034	0.166	1.20E-08	-0.007	0.010	0.495	0.009	32.463	TRUE	1.72E-08
Overall COPD	EYA4	cg17985029	rs764263	C	G	-0.188	0.028	0.291	2.45E-11	0.002	0.007	0.763	0.012	44.553	TRUE	3.34E-11
Overall COPD	EYA4	cg17985029	rs78088188	A	G	0.421	0.063	0.039	2.27E-11	-0.002	0.017	0.918	0.012	44.699	TRUE	2.86E-11
Overall COPD	EYA4	cg17985029	rs79506917	G	A	0.347	0.053	0.056	4.03E-11	-0.007	0.013	0.564	0.012	43.574	TRUE	6.10E-11
Overall COPD	EYA4	cg17985029	rs9493593	T	A	-0.277	0.030	0.227	3.05E-20	-0.002	0.008	0.768	0.022	84.908	TRUE	5.98E-20
Overall COPD	EYA4	cg17985029	rs9493650	G	T	0.218	0.030	0.213	2.56E-13	-0.005	0.008	0.529	0.014	53.495	TRUE	4.32E-13
Overall COPD	EYA4	cg18714224	rs116854053	G	A	-0.618	0.107	0.025	8.92E-09	0.003	0.019	0.893	0.009	33.044	TRUE	1.06E-08
Overall COPD	EYA4	cg18714224	rs1414982	G	A	-0.211	0.026	0.412	2.02E-16	0.007	0.007	0.330	0.018	67.549	TRUE	4.64E-16
Overall COPD	EYA4	cg18714224	rs142408436	C	T	-0.474	0.076	0.024	5.51E-10	-0.032	0.015	0.034	0.010	38.466	TRUE	1.42E-09
Overall COPD	EYA4	cg18714224	rs211630	A	C	-0.325	0.053	0.058	9.22E-10	0.000	0.014	0.972	0.010	37.464	TRUE	1.08E-09
Overall COPD	EYA4	cg18714224	rs2765784	C	G	0.166	0.026	0.351	3.46E-10	0.013	0.007	0.081	0.011	39.377	TRUE	7.83E-10
Overall COPD	EYA4	cg18714224	rs56017741	C	T	0.206	0.030	0.241	8.16E-12	0.009	0.008	0.243	0.012	46.703	TRUE	1.61E-11
Overall COPD	EYA4	cg20422212	rs35047285	T	A	-0.153	0.028	0.297	3.64E-08	0.003	0.007	0.683	0.008	30.318	TRUE	4.66E-08

Overall COPD	EYA4	cg21296676	rs9389054	C	T	0.224	0.025	0.443	8.72E-19	-0.016	0.007	0.014	0.021	78.286	TRUE	5.00E-18
Overall COPD	EYA4	cg21390624	rs1338009	C	T	0.171	0.025	0.442	1.71E-11	-0.016	0.007	0.014	0.012	45.257	TRUE	5.59E-11
Overall COPD	EYA4	cg24675448	rs146295755	T	C	0.699	0.079	0.026	1.22E-18	-0.011	0.025	0.653	0.021	77.623	TRUE	2.41E-18
Overall COPD	EYA4	cg24675448	rs17639928	G	A	0.455	0.075	0.032	1.05E-09	0.026	0.020	0.181	0.010	37.216	TRUE	1.98E-09
Overall COPD	EYA4	cg24675448	rs17819710	C	T	-0.239	0.041	0.109	4.27E-09	0.013	0.011	0.236	0.009	34.477	TRUE	7.43E-09
Overall COPD	EYA4	cg24675448	rs212816	A	T	0.216	0.028	0.264	1.07E-14	0.004	0.007	0.567	0.016	59.731	TRUE	1.87E-14
Overall COPD	EYA4	cg24675448	rs4513809	G	A	-0.315	0.057	0.056	3.09E-08	0.019	0.017	0.262	0.008	30.636	TRUE	5.03E-08
Overall COPD	EYA4	cg24675448	rs540346	T	C	-0.247	0.026	0.424	1.05E-21	-0.009	0.007	0.209	0.024	91.569	TRUE	3.83E-21
Overall COPD	EYA4	cg24675448	rs6569884	T	G	0.173	0.027	0.343	8.74E-11	-0.004	0.008	0.592	0.011	42.062	TRUE	1.28E-10
Overall COPD	EYA4	cg24675448	rs75920132	C	A	0.692	0.077	0.027	2.18E-19	-0.009	0.025	0.732	0.021	81.027	TRUE	4.20E-19
Overall COPD	EYA4	cg24675448	rs7756667	A	G	0.567	0.081	0.026	3.23E-12	0.027	0.025	0.280	0.013	48.520	TRUE	6.29E-12
Overall COPD	EYA4	cg24675448	rs79506917	G	A	0.453	0.052	0.056	4.86E-18	-0.007	0.013	0.564	0.020	74.896	TRUE	9.95E-18
Overall COPD	EYA4	cg24675448	rs9385643	A	G	0.299	0.025	0.492	1.86E-32	0.009	0.007	0.165	0.037	140.632	TRUE	1.61E-31
Overall COPD	EYA4	cg24675448	rs9399054	A	G	0.824	0.029	0.219	3.19E-180	-0.004	0.008	0.627	0.181	819.002	TRUE	2.30E-167
Overall COPD	EYA4	cg24675448	rs9402503	A	C	0.378	0.042	0.261	3.88E-19	-0.008	0.008	0.313	0.021	79.887	TRUE	1.06E-18
Overall COPD	EYA4	cg24675448	rs9493417	G	A	0.153	0.025	0.471	1.18E-09	-0.005	0.007	0.424	0.010	36.975	TRUE	1.84E-09
Overall COPD	EYA4	cg25075347	rs12202432	A	G	0.376	0.056	0.053	2.22E-11	-0.008	0.015	0.624	0.012	44.744	TRUE	3.27E-11
Overall COPD	EYA4	cg25075347	rs13212719	G	A	0.399	0.033	0.174	1.06E-33	-0.008	0.009	0.376	0.038	146.317	TRUE	7.13E-33
Overall COPD	EYA4	cg25075347	rs148326755	T	G	0.467	0.085	0.020	3.36E-08	-0.009	0.025	0.712	0.008	30.471	TRUE	4.25E-08
Overall COPD	EYA4	cg25075347	rs159408	T	A	0.397	0.026	0.390	1.79E-54	0.007	0.007	0.316	0.061	241.433	TRUE	9.63E-53
Overall COPD	EYA4	cg25075347	rs17642884	G	A	-0.279	0.034	0.162	2.82E-16	-0.010	0.009	0.226	0.018	66.892	TRUE	7.22E-16
Overall COPD	EYA4	cg25075347	rs211621	G	A	0.497	0.048	0.077	8.63E-25	-0.001	0.013	0.932	0.028	105.631	TRUE	1.89E-24
Overall COPD	EYA4	cg25075347	rs211623	T	G	0.938	0.019	0.466	<1E-200	0.001	0.007	0.918	0.388	2349.486	TRUE	<1E-200
Overall COPD	EYA4	cg25075347	rs271114	T	C	-0.200	0.026	0.431	1.80E-14	-0.005	0.007	0.420	0.016	58.709	TRUE	3.47E-14
Overall COPD	EYA4	cg25075347	rs35762882	C	T	0.818	0.140	0.016	5.31E-09	0.025	0.024	0.293	0.009	34.053	TRUE	8.77E-09
Overall COPD	EYA4	cg25075347	rs498079	G	C	-0.341	0.029	0.260	2.82E-31	0.005	0.008	0.514	0.035	135.240	TRUE	1.34E-30
Overall COPD	EYA4	cg25075347	rs6569884	T	G	0.197	0.027	0.343	1.40E-13	-0.004	0.008	0.592	0.015	54.671	TRUE	2.30E-13
Overall COPD	EYA4	cg25075347	rs78413605	C	G	0.284	0.030	0.227	5.67E-21	0.053	0.045	0.240	0.023	88.235	TRUE	1.88E-20
Overall COPD	EYA4	cg25075347	rs78507367	T	A	-0.241	0.042	0.101	1.23E-08	0.019	0.011	0.086	0.009	32.415	TRUE	2.51E-08
Overall COPD	EYA4	cg25075347	rs9389048	T	C	0.285	0.037	0.142	1.22E-14	-0.002	0.009	0.815	0.016	59.472	TRUE	1.82E-14
Overall COPD	EYA4	cg25075347	rs9483586	A	G	-0.281	0.028	0.294	6.07E-24	0.009	0.008	0.254	0.027	101.769	TRUE	2.39E-23
Overall COPD	FADS2	cg00603274	rs115588270	G	C	-0.465	0.055	0.043	3.69E-17	-0.010	0.015	0.498	0.019	70.900	TRUE	7.60E-17
Overall COPD	FADS2	cg00603274	rs137915577	A	G	-0.601	0.098	0.012	1.01E-09	0.002	0.031	0.946	0.010	37.276	TRUE	1.20E-09
Overall COPD	FADS2	cg00603274	rs17185413	C	T	-0.202	0.028	0.218	9.06E-13	-0.006	0.008	0.440	0.014	51.010	TRUE	1.59E-12
Overall COPD	FADS2	cg00603274	rs174455	G	A	-0.410	0.024	0.347	5.02E-66	-0.012	0.007	0.075	0.074	294.411	TRUE	2.42E-63
Overall COPD	FADS2	cg00603274	rs174472	G	A	-0.182	0.024	0.407	3.65E-14	-0.008	0.007	0.249	0.015	57.319	TRUE	8.10E-14
Overall COPD	FADS2	cg00603274	rs198459	A	G	0.262	0.029	0.219	4.42E-20	0.011	0.009	0.211	0.022	84.176	TRUE	1.45E-19
Overall COPD	FADS2	cg00603274	rs2521572	T	G	-0.364	0.056	0.046	1.05E-10	-0.023	0.017	0.180	0.011	41.700	TRUE	2.10E-10
Overall COPD	FADS2	cg00603274	rs400075	T	C	-0.291	0.027	0.242	1.91E-26	-0.015	0.009	0.091	0.030	113.182	TRUE	1.26E-25
Overall COPD	FADS2	cg00603274	rs472031	A	G	0.284	0.039	0.089	1.56E-13	-0.010	0.012	0.393	0.015	54.461	TRUE	2.94E-13
Overall COPD	FADS2	cg00603274	rs509360	A	G	0.335	0.025	0.336	9.87E-41	0.009	0.007	0.212	0.046	178.490	TRUE	1.59E-39
Overall COPD	FADS2	cg00603274	rs66905042	C	A	0.196	0.033	0.135	3.44E-09	-0.024	0.009	0.010	0.009	34.899	TRUE	9.82E-09

Overall COPD	FADS2	cg00603274	rs7102974	T	C	-0.778	0.086	0.016	1.26E-19	-0.020	0.029	0.492	0.022	82.105	TRUE	2.97E-19
Overall COPD	FADS2	cg00603274	rs7928482	A	G	-0.582	0.092	0.014	2.52E-10	-0.008	0.025	0.752	0.011	39.995	TRUE	3.34E-10
Overall COPD	FADS2	cg00603274	rs968567	T	C	-0.978	0.026	0.176	<1E-200	-0.021	0.009	0.018	0.278	1421.109	TRUE	9.33E-275
Overall COPD	FADS2	cg01400685	rs1692116	A	G	0.190	0.033	0.138	7.28E-09	-0.022	0.009	0.018	0.009	33.439	TRUE	1.88E-08
Overall COPD	FADS2	cg01400685	rs17185413	C	T	-0.243	0.028	0.218	8.34E-18	-0.006	0.008	0.440	0.020	73.831	TRUE	1.87E-17
Overall COPD	FADS2	cg01400685	rs174455	G	A	-0.403	0.024	0.347	6.62E-64	-0.012	0.007	0.075	0.071	284.688	TRUE	2.39E-61
Overall COPD	FADS2	cg01400685	rs198459	A	G	0.229	0.029	0.219	1.22E-15	0.011	0.009	0.211	0.017	64.005	TRUE	3.08E-15
Overall COPD	FADS2	cg01400685	rs198475	T	C	-0.276	0.027	0.245	6.44E-24	-0.010	0.008	0.208	0.027	101.650	TRUE	2.72E-23
Overall COPD	FADS2	cg01400685	rs2521572	T	G	-0.374	0.056	0.046	2.91E-11	-0.023	0.017	0.180	0.012	44.212	TRUE	6.00E-11
Overall COPD	FADS2	cg01400685	rs2727266	G	A	-0.277	0.048	0.068	5.54E-09	-0.005	0.013	0.698	0.009	33.970	TRUE	7.24E-09
Overall COPD	FADS2	cg01400685	rs509360	A	G	0.324	0.025	0.336	4.74E-38	0.009	0.007	0.212	0.043	166.216	TRUE	5.97E-37
Overall COPD	FADS2	cg01400685	rs562172	T	C	0.305	0.039	0.091	3.46E-15	-0.007	0.012	0.584	0.016	61.951	TRUE	6.11E-15
Overall COPD	FADS2	cg01400685	rs7102974	T	C	-0.741	0.086	0.016	5.90E-18	-0.020	0.029	0.492	0.020	74.513	TRUE	1.27E-17
Overall COPD	FADS2	cg01400685	rs7928482	A	G	-0.652	0.092	0.014	1.32E-12	-0.008	0.025	0.752	0.013	50.266	TRUE	1.90E-12
Overall COPD	FADS2	cg01400685	rs968567	T	C	-0.932	0.026	0.176	1.33E-277	-0.021	0.009	0.018	0.255	1266.784	TRUE	9.50E-248
Overall COPD	FADS2	cg06781209	rs115588270	G	C	-0.322	0.055	0.043	5.94E-09	-0.010	0.015	0.498	0.009	33.835	TRUE	8.58E-09
Overall COPD	FADS2	cg06781209	rs12288004	A	G	0.241	0.044	0.082	3.89E-08	-0.011	0.011	0.330	0.008	30.186	TRUE	6.02E-08
Overall COPD	FADS2	cg06781209	rs137915577	A	G	-0.594	0.098	0.012	1.58E-09	0.002	0.031	0.946	0.010	36.416	TRUE	1.86E-09
Overall COPD	FADS2	cg06781209	rs17185413	C	T	-0.274	0.028	0.218	3.31E-22	-0.006	0.008	0.440	0.025	93.857	TRUE	9.42E-22
Overall COPD	FADS2	cg06781209	rs174455	G	A	-0.436	0.024	0.347	1.46E-74	-0.012	0.007	0.075	0.083	333.574	TRUE	2.42E-71
Overall COPD	FADS2	cg06781209	rs198443	T	G	-0.160	0.024	0.437	1.29E-11	-0.003	0.007	0.639	0.012	45.802	TRUE	1.91E-11
Overall COPD	FADS2	cg06781209	rs198476	A	G	0.265	0.023	0.492	7.84E-30	0.002	0.007	0.725	0.034	128.644	TRUE	2.74E-29
Overall COPD	FADS2	cg06781209	rs2235093	A	G	0.234	0.024	0.492	3.88E-23	0.005	0.007	0.493	0.026	98.098	TRUE	1.11E-22
Overall COPD	FADS2	cg06781209	rs2521572	T	G	-0.387	0.056	0.046	6.72E-12	-0.023	0.017	0.180	0.013	47.083	TRUE	1.43E-11
Overall COPD	FADS2	cg06781209	rs472031	A	G	0.305	0.039	0.089	2.60E-15	-0.010	0.012	0.393	0.017	62.517	TRUE	5.33E-15
Overall COPD	FADS2	cg06781209	rs509360	A	G	0.334	0.025	0.336	2.80E-40	0.009	0.007	0.212	0.046	176.414	TRUE	4.32E-39
Overall COPD	FADS2	cg06781209	rs66905042	C	A	0.198	0.033	0.135	2.46E-09	-0.024	0.009	0.010	0.010	35.548	TRUE	7.12E-09
Overall COPD	FADS2	cg06781209	rs7102974	T	C	-0.845	0.086	0.016	6.95E-23	-0.020	0.029	0.492	0.026	96.942	TRUE	1.96E-22
Overall COPD	FADS2	cg06781209	rs72926147	A	G	-0.469	0.078	0.023	2.27E-09	0.006	0.022	0.789	0.010	35.708	TRUE	2.87E-09
Overall COPD	FADS2	cg06781209	rs7928482	A	G	-0.693	0.092	0.014	5.01E-14	-0.008	0.025	0.752	0.015	56.696	TRUE	7.58E-14
Overall COPD	FADS2	cg06781209	rs7943728	A	G	-1.015	0.026	0.170	<1E-200	-0.025	0.010	0.008	0.292	1523.865	TRUE	3.59E-292
Overall COPD	FADS2	cg07005513	rs174544	A	C	-0.203	0.025	0.297	6.01E-16	-0.019	0.007	0.009	0.017	65.399	TRUE	2.93E-15
Overall COPD	FADS2	cg07591205	rs174544	A	C	0.196	0.025	0.297	2.82E-15	-0.019	0.007	0.009	0.017	62.352	TRUE	1.31E-14
Overall COPD	FADS2	cg07999042	rs61897793	A	G	0.172	0.029	0.179	4.46E-09	-0.021	0.009	0.020	0.009	34.395	TRUE	1.16E-08
Overall COPD	FADS2	cg11250194	rs117702910	G	C	-0.352	0.055	0.041	2.04E-10	-0.008	0.015	0.589	0.011	40.407	TRUE	2.96E-10
Overall COPD	FADS2	cg11250194	rs137915577	A	G	-0.582	0.098	0.012	3.25E-09	0.002	0.031	0.946	0.009	35.010	TRUE	3.81E-09
Overall COPD	FADS2	cg11250194	rs17185413	C	T	-0.281	0.028	0.218	2.81E-23	-0.006	0.008	0.440	0.026	98.732	TRUE	8.54E-23
Overall COPD	FADS2	cg11250194	rs174455	G	A	-0.498	0.024	0.347	1.48E-98	-0.012	0.007	0.075	0.107	443.725	TRUE	1.44E-93
Overall COPD	FADS2	cg11250194	rs198476	A	G	0.265	0.023	0.492	6.97E-30	0.002	0.007	0.725	0.034	128.877	TRUE	2.45E-29
Overall COPD	FADS2	cg11250194	rs2235093	A	G	0.196	0.024	0.492	9.40E-17	0.005	0.007	0.493	0.018	69.055	TRUE	1.91E-16
Overall COPD	FADS2	cg11250194	rs2521572	T	G	-0.433	0.056	0.046	1.41E-14	-0.023	0.017	0.180	0.016	59.188	TRUE	3.49E-14
Overall COPD	FADS2	cg11250194	rs2524292	G	T	-0.338	0.048	0.067	1.33E-12	-0.007	0.013	0.597	0.013	50.254	TRUE	2.09E-12

Overall COPD	FADS2	cg11250194	rs2526678	A	G	-0.444	0.042	0.086	3.61E-26	-0.012	0.011	0.252	0.029	111.919	TRUE	1.66E-25
Overall COPD	FADS2	cg11250194	rs500850	C	G	0.323	0.039	0.091	6.28E-17	-0.007	0.012	0.584	0.019	69.849	TRUE	1.20E-16
Overall COPD	FADS2	cg11250194	rs509360	A	G	0.398	0.025	0.336	4.40E-57	0.009	0.007	0.212	0.064	253.399	TRUE	4.01E-55
Overall COPD	FADS2	cg11250194	rs61896141	C	A	-0.990	0.026	0.175	<1E-200	-0.020	0.009	0.028	0.279	1430.085	TRUE	1.87E-276
Overall COPD	FADS2	cg11250194	rs67140840	A	G	0.203	0.034	0.131	1.43E-09	-0.020	0.010	0.050	0.010	36.602	TRUE	3.38E-09
Overall COPD	FADS2	cg11250194	rs7102974	T	C	-0.909	0.086	0.016	2.68E-26	-0.020	0.029	0.492	0.030	112.507	TRUE	9.32E-26
Overall COPD	FADS2	cg11250194	rs7928482	A	G	-0.614	0.092	0.014	2.65E-11	-0.008	0.025	0.752	0.012	44.394	TRUE	3.64E-11
Overall COPD	FADS2	cg14911132	rs174455	G	A	-0.242	0.024	0.347	8.43E-24	-0.012	0.007	0.075	0.027	101.117	TRUE	4.81E-23
Overall COPD	FADS2	cg14911132	rs198459	A	G	0.177	0.028	0.219	5.33E-10	0.011	0.009	0.211	0.010	38.533	TRUE	9.93E-10
Overall COPD	FADS2	cg14911132	rs400075	T	C	-0.200	0.027	0.242	2.65E-13	-0.015	0.009	0.091	0.014	53.420	TRUE	7.13E-13
Overall COPD	FADS2	cg14911132	rs509360	A	G	0.188	0.025	0.336	7.06E-14	0.009	0.007	0.212	0.015	56.020	TRUE	1.61E-13
Overall COPD	FADS2	cg14911132	rs562172	T	C	0.250	0.039	0.091	9.42E-11	-0.007	0.012	0.584	0.011	41.916	TRUE	1.39E-10
Overall COPD	FADS2	cg14911132	rs61897793	A	G	-0.520	0.029	0.179	6.09E-72	-0.021	0.009	0.020	0.080	321.554	TRUE	1.21E-68
Overall COPD	FADS2	cg16576620	rs968567	T	C	-0.201	0.029	0.176	7.18E-12	-0.021	0.009	0.018	0.013	46.951	TRUE	2.32E-11
Overall COPD	FADS2	cg19610905	rs117110139	A	G	-0.675	0.084	0.035	1.08E-15	-0.033	0.021	0.113	0.017	64.245	TRUE	3.20E-15
Overall COPD	FADS2	cg19610905	rs117983270	C	T	-0.637	0.063	0.034	2.29E-24	0.006	0.017	0.748	0.027	103.701	TRUE	5.64E-24
Overall COPD	FADS2	cg19610905	rs1692120	A	G	0.249	0.023	0.478	1.94E-26	0.002	0.007	0.813	0.030	113.149	TRUE	5.11E-26
Overall COPD	FADS2	cg19610905	rs174452	A	G	0.253	0.040	0.090	3.91E-10	0.018	0.011	0.105	0.010	39.138	TRUE	8.42E-10
Overall COPD	FADS2	cg19610905	rs174481	G	C	0.298	0.029	0.215	8.26E-25	0.005	0.009	0.568	0.028	105.718	TRUE	2.43E-24
Overall COPD	FADS2	cg19610905	rs174528	C	T	-0.879	0.019	0.353	<1E-200	-0.018	0.007	0.007	0.357	2049.882	TRUE	<1E-200
Overall COPD	FADS2	cg19610905	rs2727261	T	C	-0.335	0.039	0.106	1.81E-17	-0.003	0.011	0.804	0.019	72.308	TRUE	3.04E-17
Overall COPD	FADS2	cg19610905	rs2736601	T	C	-0.325	0.048	0.067	1.07E-11	-0.007	0.013	0.584	0.012	46.172	TRUE	1.63E-11
Overall COPD	FADS2	cg19610905	rs508768	G	A	0.288	0.039	0.089	7.56E-14	-0.011	0.012	0.367	0.015	55.885	TRUE	1.48E-13
Overall COPD	FADS2	cg19610905	rs695186	T	C	-0.325	0.027	0.250	7.92E-34	-0.016	0.008	0.052	0.038	146.903	TRUE	1.14E-32
Overall COPD	FADS2	cg19610905	rs740006	C	T	0.325	0.041	0.090	2.17E-15	0.000	0.011	0.976	0.017	62.868	TRUE	3.03E-15
Overall COPD	FADS2	cg19610905	rs75766519	C	T	-0.612	0.055	0.041	8.06E-29	-0.008	0.015	0.589	0.032	124.020	TRUE	3.00E-28
Overall COPD	FADS2	cg21709803	rs117702910	G	C	-0.306	0.055	0.041	3.42E-08	-0.008	0.015	0.589	0.008	30.439	TRUE	4.58E-08
Overall COPD	FADS2	cg21709803	rs17185413	C	T	-0.237	0.028	0.218	5.02E-17	-0.006	0.008	0.440	0.019	70.292	TRUE	1.08E-16
Overall COPD	FADS2	cg21709803	rs174455	G	A	-0.384	0.024	0.347	9.82E-58	-0.012	0.007	0.075	0.065	256.387	TRUE	1.59E-55
Overall COPD	FADS2	cg21709803	rs174472	G	A	-0.162	0.024	0.407	1.63E-11	-0.008	0.007	0.249	0.012	45.350	TRUE	3.15E-11
Overall COPD	FADS2	cg21709803	rs198459	A	G	0.234	0.029	0.219	2.44E-16	0.011	0.009	0.211	0.018	67.171	TRUE	6.41E-16
Overall COPD	FADS2	cg21709803	rs198475	T	C	-0.319	0.027	0.245	1.27E-31	-0.010	0.008	0.208	0.036	136.824	TRUE	9.39E-31
Overall COPD	FADS2	cg21709803	rs472031	A	G	0.299	0.039	0.089	8.19E-15	-0.010	0.012	0.393	0.016	60.256	TRUE	1.64E-14
Overall COPD	FADS2	cg21709803	rs509360	A	G	0.321	0.025	0.336	2.38E-37	0.009	0.007	0.212	0.042	163.015	TRUE	2.81E-36
Overall COPD	FADS2	cg21709803	rs7102974	T	C	-0.750	0.086	0.016	2.60E-18	-0.020	0.029	0.492	0.020	76.128	TRUE	5.72E-18
Overall COPD	FADS2	cg21709803	rs7928482	A	G	-0.591	0.092	0.014	1.41E-10	-0.008	0.025	0.752	0.011	41.130	TRUE	1.89E-10
Overall COPD	FADS2	cg21709803	rs968567	T	C	-0.958	0.026	0.176	1.37E-291	-0.021	0.009	0.018	0.265	1331.105	TRUE	4.50E-259
Overall COPD	FADS2	cg25324164	rs174455	G	A	-0.331	0.024	0.347	4.50E-43	-0.012	0.007	0.075	0.049	189.205	TRUE	1.39E-41
Overall COPD	FADS2	cg25324164	rs1800008	T	C	-0.249	0.028	0.215	1.98E-18	-0.008	0.008	0.317	0.020	76.666	TRUE	5.16E-18
Overall COPD	FADS2	cg25324164	rs2235093	A	G	0.181	0.024	0.492	1.60E-14	0.005	0.007	0.493	0.016	58.938	TRUE	2.93E-14
Overall COPD	FADS2	cg25324164	rs2521572	T	G	-0.332	0.056	0.046	3.74E-09	-0.023	0.017	0.180	0.009	34.733	TRUE	6.90E-09
Overall COPD	FADS2	cg25324164	rs2736602	C	A	0.138	0.025	0.351	1.69E-08	0.002	0.007	0.757	0.009	31.807	TRUE	2.11E-08

Overall COPD	FADS2	cg25324164	rs400075	T	C	-0.272	0.027	0.242	3.01E-23	-0.015	0.009	0.091	0.026	98.600	TRUE	1.56E-22
Overall COPD	FADS2	cg25324164	rs500850	C	G	0.279	0.039	0.091	5.24E-13	-0.007	0.012	0.584	0.014	52.084	TRUE	8.44E-13
Overall COPD	FADS2	cg25324164	rs509360	A	G	0.260	0.025	0.336	5.05E-25	0.009	0.007	0.212	0.028	106.694	TRUE	2.28E-24
Overall COPD	FADS2	cg25324164	rs7102974	T	C	-0.802	0.086	0.016	8.33E-21	-0.020	0.029	0.492	0.023	87.475	TRUE	2.09E-20
Overall COPD	FADS2	cg25324164	rs72926147	A	G	-0.447	0.078	0.023	1.18E-08	0.006	0.022	0.789	0.009	32.495	TRUE	1.47E-08
Overall COPD	FADS2	cg25324164	rs7928482	A	G	-0.645	0.092	0.014	2.36E-12	-0.008	0.025	0.752	0.013	49.131	TRUE	3.36E-12
Overall COPD	FADS2	cg25324164	rs968567	T	C	-0.970	0.026	0.176	9.68E-302	-0.021	0.009	0.018	0.275	1400.791	TRUE	3.12E-271
Overall COPD	FBXO31	cg06750038	rs11117269	C	T	-0.534	0.023	0.442	4.82E-117	0.027	0.007	1.76E-04	0.125	528.646	TRUE	2.67E-109
Overall COPD	FBXO31	cg06750038	rs13334287	G	A	-0.342	0.036	0.116	1.68E-21	0.018	0.010	0.069	0.024	90.641	TRUE	8.29E-21
Overall COPD	FBXO31	cg06750038	rs1864144	G	C	-0.390	0.058	0.044	1.65E-11	0.028	0.019	0.142	0.012	45.325	TRUE	3.62E-11
Overall COPD	FBXO31	cg06750038	rs71390902	C	T	-0.299	0.044	0.067	9.75E-12	-0.020	0.012	0.086	0.012	46.354	TRUE	2.41E-11
Overall COPD	FBXO31	cg06750038	rs74622263	G	A	0.276	0.049	0.056	1.92E-08	-0.015	0.015	0.319	0.008	31.557	TRUE	3.03E-08
Overall COPD	FBXO31	cg06750038	rs8044820	G	A	-0.473	0.053	0.050	2.47E-19	0.017	0.014	0.221	0.021	80.779	TRUE	7.61E-19
Overall COPD	FBXO31	cg06750038	rs8053397	G	C	0.156	0.026	0.273	1.89E-09	-0.020	0.009	0.027	0.010	36.062	TRUE	4.84E-09
Overall COPD	FBXO31	cg06750038	rs825579	A	G	0.179	0.024	0.473	6.66E-14	0.008	0.007	0.270	0.015	56.135	TRUE	1.43E-13
Overall COPD	FBXO31	cg06750038	rs873222	A	G	-0.299	0.040	0.090	9.20E-14	0.027	0.011	0.017	0.015	55.501	TRUE	3.47E-13
Overall COPD	FBXO31	cg06750038	rs9938266	C	T	-0.188	0.025	0.339	3.51E-14	0.007	0.007	0.334	0.015	57.393	TRUE	7.18E-14
Overall COPD	FBXO31	cg09880724	rs111469125	G	A	0.608	0.054	0.050	3.40E-29	-0.022	0.017	0.180	0.033	125.733	TRUE	2.21E-28
Overall COPD	FBXO31	cg09880724	rs111931917	G	A	0.396	0.040	0.100	6.93E-23	-0.011	0.013	0.395	0.026	96.948	TRUE	2.15E-22
Overall COPD	FBXO31	cg09880724	rs113137978	T	C	0.606	0.084	0.014	4.87E-13	-0.011	0.028	0.700	0.014	52.227	TRUE	7.32E-13
Overall COPD	FBXO31	cg09880724	rs117825456	T	G	0.332	0.058	0.040	1.30E-08	0.022	0.028	0.423	0.009	32.320	TRUE	1.93E-08
Overall COPD	FBXO31	cg09880724	rs2334207	T	G	-0.163	0.023	0.481	2.46E-12	-0.010	0.007	0.159	0.013	49.049	TRUE	5.54E-12
Overall COPD	FBXO31	cg09880724	rs2573119	A	G	0.264	0.037	0.110	8.10E-13	0.010	0.012	0.422	0.014	51.230	TRUE	1.44E-12
Overall COPD	FBXO31	cg09880724	rs4552033	A	G	0.245	0.032	0.155	1.61E-14	0.011	0.010	0.270	0.016	58.923	TRUE	3.57E-14
Overall COPD	FBXO31	cg09880724	rs76928063	T	C	0.402	0.066	0.034	1.10E-09	0.007	0.019	0.714	0.010	37.122	TRUE	1.45E-09
Overall COPD	FBXW7	cg11089117	rs74815289	C	T	-1.983	0.115	0.011	5.08E-67	-0.071	0.025	0.005	0.075	298.972	TRUE	7.95E-64
Overall COPD	FGFR1	cg02043791	rs12544187	A	C	-0.350	0.025	0.413	5.41E-43	-0.008	0.010	0.414	0.049	188.838	TRUE	7.60E-42
Overall COPD	FGFR1	cg02043791	rs138012741	G	A	-1.575	0.079	0.026	3.18E-89	-0.004	0.021	0.853	0.098	400.880	TRUE	8.84E-86
Overall COPD	FGFR1	cg02043791	rs17182134	A	C	0.747	0.045	0.079	2.84E-61	0.022	0.013	0.096	0.069	272.614	TRUE	6.47E-59
Overall COPD	FGFR1	cg02043791	rs2445027	G	T	-0.221	0.037	0.137	1.91E-09	-0.003	0.010	0.740	0.010	36.047	TRUE	2.48E-09
Overall COPD	FGFR1	cg02043791	rs34503346	T	C	-0.250	0.029	0.256	2.32E-18	-0.002	0.008	0.766	0.020	76.353	TRUE	4.17E-18
Overall COPD	FGFR1	cg08722122	rs117880184	T	C	-0.983	0.093	0.036	2.82E-26	0.004	0.022	0.845	0.029	112.411	TRUE	7.16E-26
Overall COPD	FGFR1	cg08722122	rs3758102	T	C	-0.283	0.028	0.271	9.38E-24	-0.007	0.008	0.362	0.027	100.906	TRUE	3.18E-23
Overall COPD	FGFR1	cg08722122	rs6474458	A	G	-0.139	0.025	0.447	4.14E-08	0.007	0.007	0.331	0.008	30.067	TRUE	6.39E-08
Overall COPD	FGFR1	cg08722122	rs6990295	T	C	-0.294	0.037	0.132	4.40E-15	-0.006	0.010	0.525	0.016	61.477	TRUE	8.07E-15
Overall COPD	FGFR1	cg08722122	rs74584846	A	G	0.245	0.044	0.092	2.39E-08	0.011	0.012	0.387	0.008	31.130	TRUE	3.60E-08
Overall COPD	FGFR1	cg08722122	rs75923541	A	G	0.456	0.041	0.107	1.12E-28	0.020	0.010	0.056	0.032	123.368	TRUE	1.02E-27
Overall COPD	FGFR1	cg11547613	rs12114449	G	A	-0.247	0.044	0.087	2.73E-08	0.026	0.012	0.034	0.008	30.873	TRUE	6.23E-08
Overall COPD	FGFR1	cg12614213	rs4739558	A	G	-0.159	0.026	0.401	9.45E-10	-0.004	0.007	0.551	0.010	37.414	TRUE	1.37E-09
Overall COPD	FGFR1	cg14733725	rs17182134	A	C	-0.399	0.046	0.079	3.58E-18	0.022	0.013	0.096	0.020	75.502	TRUE	1.29E-17
Overall COPD	FGFR1	cg15321288	rs17175631	A	G	-0.226	0.041	0.108	4.41E-08	0.020	0.010	0.050	0.008	29.946	TRUE	9.40E-08
Overall COPD	FGFR1	cg15321288	rs17435276	C	A	-0.211	0.028	0.286	2.63E-14	-0.008	0.008	0.300	0.015	57.964	TRUE	5.58E-14

Overall COPD	FGFR1	cg15321288	rs2461335	T	C	0.215	0.039	0.122	4.39E-08	0.001	0.011	0.891	0.008	29.951	TRUE	5.13E-08
Overall COPD	FGFR1	cg15321288	rs6474491	C	T	0.172	0.029	0.244	3.20E-09	-0.017	0.009	0.050	0.009	35.037	TRUE	7.38E-09
Overall COPD	FGFR1	cg15321288	rs881300	C	A	-0.331	0.037	0.132	6.41E-19	-0.008	0.010	0.420	0.021	78.896	TRUE	1.55E-18
Overall COPD	FGFR1	cg15321288	rs930828	C	T	0.524	0.025	0.410	9.45E-98	-0.004	0.007	0.518	0.106	440.034	TRUE	1.98E-93
Overall COPD	FGFR1	cg16625770	rs11784905	A	T	-0.268	0.032	0.198	1.69E-17	0.006	0.008	0.460	0.019	72.434	TRUE	3.67E-17
Overall COPD	FGFR1	cg16625770	rs118173885	C	T	-0.665	0.121	0.021	3.47E-08	-0.034	0.029	0.237	0.008	30.407	TRUE	5.77E-08
Overall COPD	FGFR1	cg16625770	rs12114449	G	A	-0.462	0.044	0.087	1.10E-25	0.026	0.012	0.034	0.029	109.714	TRUE	8.91E-25
Overall COPD	FGFR1	cg16625770	rs17182002	A	C	0.468	0.025	0.399	1.20E-76	-0.007	0.007	0.307	0.085	343.147	TRUE	1.20E-73
Overall COPD	FGFR1	cg16625770	rs17435276	C	A	-0.312	0.028	0.286	9.08E-30	-0.008	0.008	0.300	0.034	128.351	TRUE	5.02E-29
Overall COPD	FGFR1	cg16625770	rs28761213	T	A	-0.182	0.029	0.238	5.37E-10	-0.009	0.008	0.307	0.010	38.518	TRUE	9.18E-10
Overall COPD	FGFR1	cg16625770	rs328291	A	G	0.179	0.031	0.206	1.24E-08	-0.012	0.009	0.171	0.009	32.409	TRUE	2.24E-08
Overall COPD	FGFR1	cg24828864	rs138012741	G	A	0.456	0.081	0.026	1.86E-08	-0.004	0.021	0.853	0.008	31.621	TRUE	2.22E-08
Overall COPD	FGFR1	cg24828864	rs17175624	T	G	0.203	0.026	0.399	4.11E-15	-0.007	0.007	0.297	0.016	61.611	TRUE	9.13E-15
Overall COPD	FGFR1	cg27653103	rs12114449	G	A	-0.346	0.044	0.087	5.35E-15	0.026	0.012	0.034	0.016	61.095	TRUE	1.95E-14
Overall COPD	FLNB	cg03479209	rs7642772	C	A	-0.266	0.025	0.333	4.61E-26	0.013	0.007	0.063	0.029	111.434	TRUE	3.28E-25
Overall COPD	FLNB	cg05093811	rs113935966	C	T	-0.523	0.052	0.062	4.09E-24	-0.012	0.014	0.382	0.027	102.552	TRUE	1.39E-23
Overall COPD	FLNB	cg05093811	rs114342439	G	C	-0.436	0.044	0.071	1.69E-23	-0.016	0.013	0.224	0.026	99.739	TRUE	6.76E-23
Overall COPD	FLNB	cg05093811	rs190226890	C	G	-0.431	0.051	0.057	2.61E-17	0.008	0.017	0.631	0.019	71.583	TRUE	4.90E-17
Overall COPD	FLNB	cg05093811	rs2686632	C	T	0.392	0.042	0.084	1.23E-20	0.023	0.012	0.056	0.023	86.709	TRUE	6.01E-20
Overall COPD	FLNB	cg05093811	rs28449235	A	G	0.137	0.025	0.355	2.98E-08	0.009	0.011	0.438	0.008	30.705	TRUE	4.33E-08
Overall COPD	FLNB	cg05093811	rs34005214	T	C	-0.272	0.026	0.286	2.12E-26	0.003	0.007	0.689	0.030	112.977	TRUE	6.17E-26
Overall COPD	FLNB	cg05093811	rs4681688	G	A	-0.161	0.026	0.290	4.41E-10	0.008	0.008	0.331	0.010	38.901	TRUE	7.44E-10
Overall COPD	FLNB	cg05093811	rs62259291	C	A	0.358	0.047	0.066	1.81E-14	-0.015	0.018	0.414	0.016	58.695	TRUE	3.51E-14
Overall COPD	FLNB	cg05093811	rs6445955	A	G	0.312	0.025	0.348	1.37E-36	-0.019	0.008	0.015	0.041	159.538	TRUE	3.63E-35
Overall COPD	FLNB	cg05093811	rs6764532	G	A	0.138	0.024	0.452	4.37E-09	0.001	0.007	0.931	0.009	34.432	TRUE	5.14E-09
Overall COPD	FLNB	cg05093811	rs73074072	A	G	-0.505	0.043	0.086	2.96E-32	0.020	0.015	0.180	0.036	139.712	TRUE	2.44E-31
Overall COPD	FLNB	cg05093811	rs7634753	T	C	-0.347	0.023	0.408	6.02E-50	0.011	0.007	0.140	0.056	220.691	TRUE	2.97E-48
Overall COPD	FLNB	cg05093811	rs7641375	A	C	0.226	0.024	0.361	1.48E-20	0.003	0.008	0.724	0.023	86.334	TRUE	3.05E-20
Overall COPD	FLNB	cg05093811	rs80126200	C	T	-0.644	0.080	0.023	9.71E-16	-0.065	0.025	0.010	0.017	64.454	TRUE	4.64E-15
Overall COPD	FLNB	cg05093811	rs839223	G	A	0.334	0.055	0.102	1.09E-09	0.006	0.011	0.602	0.010	37.130	TRUE	1.53E-09
Overall COPD	FLNB	cg05093811	rs9822918	T	G	-0.778	0.021	0.466	<1E-200	-0.001	0.007	0.921	0.279	1431.252	TRUE	1.37E-278
Overall COPD	FLNB	cg07624888	rs11130633	T	C	0.207	0.024	0.351	1.31E-17	0.003	0.007	0.683	0.019	72.933	TRUE	2.42E-17
Overall COPD	FLNB	cg07624888	rs12634542	G	C	0.226	0.028	0.221	2.64E-16	0.008	0.008	0.350	0.018	67.022	TRUE	5.91E-16
Overall COPD	FLNB	cg07624888	rs13067161	A	T	0.306	0.056	0.051	3.98E-08	-0.025	0.016	0.110	0.008	30.142	TRUE	7.57E-08
Overall COPD	FLNB	cg07624888	rs3852008	A	G	0.220	0.024	0.347	1.78E-19	-0.002	0.007	0.739	0.022	81.424	TRUE	3.44E-19
Overall COPD	FLNB	cg07624888	rs4681770	G	A	0.131	0.024	0.424	3.42E-08	0.021	0.007	0.004	0.008	30.435	TRUE	1.00E-07
Overall COPD	FLNB	cg07624888	rs4681795	T	C	-0.460	0.024	0.342	6.80E-84	-0.017	0.007	0.020	0.092	376.410	TRUE	9.13E-80
Overall COPD	FLNB	cg12194336	rs2686630	C	G	-0.209	0.024	0.371	1.09E-17	0.002	0.007	0.755	0.019	73.304	TRUE	1.91E-17
Overall COPD	FLNB	cg12194336	rs9856522	A	G	0.629	0.042	0.082	5.09E-51	-0.011	0.012	0.343	0.057	225.608	TRUE	1.78E-49
Overall COPD	FLNB	cg13142374	rs115550324	C	T	0.762	0.083	0.020	3.85E-20	0.009	0.026	0.725	0.022	84.448	TRUE	7.75E-20
Overall COPD	FLNB	cg13142374	rs13062947	T	C	-0.217	0.025	0.345	2.05E-18	0.000	0.007	0.986	0.020	76.601	TRUE	3.19E-18
Overall COPD	FLNB	cg13142374	rs146146338	T	G	0.812	0.143	0.011	1.48E-08	0.009	0.031	0.761	0.009	32.066	TRUE	1.85E-08

Overall COPD	FLNB	cg13142374	rs1658335	A	G	0.916	0.040	0.090	7.68E-116	-0.011	0.012	0.330	0.124	523.124	TRUE	8.26E-110
Overall COPD	FLNB	cg13142374	rs4681795	T	C	0.161	0.025	0.342	7.82E-11	-0.017	0.007	0.020	0.011	42.279	TRUE	2.31E-10
Overall COPD	FLNB	cg13142374	rs73080588	C	T	0.211	0.032	0.176	4.50E-11	0.010	0.009	0.257	0.012	43.359	TRUE	8.47E-11
Overall COPD	FLNB	cg13142374	rs74284373	T	G	0.208	0.028	0.246	4.19E-14	-0.016	0.008	0.053	0.015	57.045	TRUE	1.32E-13
Overall COPD	FLNB	cg13142374	rs9845458	T	C	0.248	0.036	0.128	4.01E-12	-0.008	0.010	0.420	0.013	48.092	TRUE	6.95E-12
Overall COPD	FLNB	cg17338821	rs113935966	C	T	-0.323	0.052	0.062	4.89E-10	-0.012	0.014	0.382	0.010	38.700	TRUE	7.93E-10
Overall COPD	FLNB	cg17338821	rs11713310	G	A	0.258	0.024	0.389	5.70E-27	0.001	0.007	0.849	0.030	115.579	TRUE	1.50E-26
Overall COPD	FLNB	cg17338821	rs11927339	T	C	-0.268	0.024	0.407	6.08E-30	0.011	0.007	0.137	0.034	129.148	TRUE	4.60E-29
Overall COPD	FLNB	cg17338821	rs12494328	A	G	-0.201	0.028	0.227	3.25E-13	-0.017	0.008	0.050	0.014	53.024	TRUE	9.74E-13
Overall COPD	FLNB	cg17338821	rs12634542	G	C	-0.209	0.028	0.221	1.09E-13	0.008	0.008	0.350	0.015	55.164	TRUE	2.15E-13
Overall COPD	FLNB	cg17338821	rs2686632	C	T	0.417	0.042	0.084	4.02E-23	0.023	0.012	0.056	0.026	98.027	TRUE	2.36E-22
Overall COPD	FLNB	cg17338821	rs3772998	T	C	0.392	0.038	0.106	5.04E-25	-0.019	0.012	0.099	0.028	106.697	TRUE	2.90E-24
Overall COPD	FLNB	cg17338821	rs4681753	C	G	0.215	0.025	0.365	2.18E-18	0.008	0.007	0.250	0.020	76.475	TRUE	6.13E-18
Overall COPD	FLNB	cg17338821	rs58809835	A	G	0.385	0.047	0.070	3.84E-16	0.017	0.013	0.189	0.018	66.279	TRUE	1.03E-15
Overall COPD	FLNB	cg17338821	rs74659619	A	G	0.330	0.044	0.076	6.93E-14	-0.002	0.013	0.882	0.015	56.058	TRUE	9.67E-14
Overall COPD	FLNB	cg17338821	rs7641375	A	C	0.161	0.024	0.361	4.37E-11	0.003	0.008	0.724	0.012	43.417	TRUE	6.04E-11
Overall COPD	FLNB	cg17338821	rs78583099	C	A	-0.274	0.029	0.204	2.05E-21	0.006	0.008	0.507	0.024	90.252	TRUE	5.24E-21
Overall COPD	FLNB	cg20724428	rs858217	T	C	-0.416	0.072	0.027	8.17E-09	-0.050	0.019	0.008	0.009	33.215	TRUE	2.34E-08
Overall COPD	FLNB	cg20840069	rs113299433	A	C	0.233	0.040	0.093	4.71E-09	-0.010	0.015	0.508	0.009	34.289	TRUE	6.78E-09
Overall COPD	FLNB	cg20840069	rs9870243	G	C	0.237	0.025	0.332	2.57E-21	0.008	0.008	0.289	0.024	89.798	TRUE	8.19E-21
Overall COPD	FLNB	cg22610388	rs1658346	A	G	0.247	0.040	0.099	4.30E-10	-0.006	0.012	0.636	0.010	38.952	TRUE	6.01E-10
Overall COPD	FLNB	cg22610388	rs556272001	C	A	-0.802	0.140	0.011	1.03E-08	-0.067	0.025	0.007	0.009	32.761	TRUE	2.93E-08
Overall COPD	FLNB	cg22610388	rs9850519	C	G	-0.138	0.025	0.349	1.96E-08	0.001	0.007	0.931	0.008	31.519	TRUE	2.27E-08
Overall COPD	FLNB	cg23730027	rs11713310	G	A	0.162	0.024	0.389	1.77E-11	0.001	0.007	0.849	0.012	45.181	TRUE	2.33E-11
Overall COPD	FLNB	cg23730027	rs1658366	C	T	-0.145	0.026	0.293	1.46E-08	-0.030	0.008	1.02E-04	0.009	32.092	TRUE	6.13E-08
Overall COPD	FLNB	cg23730027	rs3772998	T	C	0.292	0.038	0.106	1.61E-14	-0.019	0.012	0.099	0.016	58.924	TRUE	4.58E-14
Overall COPD	FLNB	cg23730027	rs6445944	G	T	0.302	0.024	0.415	3.23E-37	-0.012	0.007	0.098	0.042	162.403	TRUE	5.13E-36
Overall COPD	FLNB	cg23730027	rs839228	T	C	-0.172	0.024	0.377	9.94E-13	-0.001	0.007	0.874	0.014	50.828	TRUE	1.34E-12
Overall COPD	FLNB	cg26295272	rs4284952	A	C	0.169	0.026	0.293	5.16E-11	-0.011	0.007	0.126	0.012	43.094	TRUE	1.13E-10
Overall COPD	FLNB	cg26295272	rs839225	T	C	-0.440	0.037	0.115	2.58E-33	-0.007	0.010	0.476	0.038	144.561	TRUE	1.48E-32
Overall COPD	FLNB	cg26295272	rs839257	T	C	0.188	0.025	0.319	7.71E-14	0.010	0.007	0.180	0.015	55.848	TRUE	1.83E-13
Overall COPD	FNIP2	cg00245454	rs17285611	T	C	0.428	0.059	0.070	6.51E-13	-0.013	0.013	0.294	0.014	51.658	TRUE	1.30E-12
Overall COPD	FNIP2	cg05539369	rs13123982	A	G	0.133	0.024	0.382	2.83E-08	0.013	0.007	0.057	0.008	30.806	TRUE	5.99E-08
Overall COPD	FNIP2	cg13702235	rs2347518	A	G	0.251	0.024	0.429	1.45E-26	0.011	0.008	0.156	0.030	113.726	TRUE	8.12E-26
Overall COPD	FNIP2	cg18095824	rs74931360	T	C	-0.713	0.053	0.081	9.81E-41	-0.016	0.013	0.214	0.046	178.501	TRUE	1.57E-39
Overall COPD	FNIP2	cg18095824	rs79579360	A	C	-0.240	0.042	0.078	9.79E-09	-0.024	0.013	0.061	0.009	32.865	TRUE	2.12E-08
Overall COPD	FNIP2	cg25026700	rs12509657	T	C	-0.417	0.054	0.049	1.13E-14	0.025	0.018	0.157	0.016	59.616	TRUE	2.92E-14
Overall COPD	FYN	cg02755956	rs9487724	G	C	0.261	0.043	0.100	1.36E-09	-0.017	0.012	0.153	0.010	36.710	TRUE	2.64E-09
Overall COPD	FYN	cg02816367	rs2012071	A	G	0.184	0.025	0.472	3.55E-13	0.011	0.007	0.126	0.014	52.851	TRUE	8.81E-13
Overall COPD	FYN	cg04657000	rs1887315	G	C	0.342	0.038	0.138	9.54E-20	-0.005	0.010	0.649	0.022	82.658	TRUE	1.99E-19
Overall COPD	FYN	cg04657000	rs568382612	T	C	0.768	0.128	0.019	1.81E-09	0.015	0.050	0.759	0.010	36.146	TRUE	2.33E-09
Overall COPD	FYN	cg05517541	rs10457239	A	G	-0.211	0.034	0.154	8.33E-10	-0.006	0.009	0.507	0.010	37.660	TRUE	1.24E-09

Overall COPD	FYN	cg05517541	rs137922443	G	A	0.597	0.100	0.017	2.59E-09	-0.006	0.027	0.816	0.009	35.451	TRUE	3.23E-09
Overall COPD	FYN	cg05517541	rs17073074	T	C	0.514	0.046	0.085	8.69E-29	0.003	0.012	0.816	0.032	123.872	TRUE	2.63E-28
Overall COPD	FYN	cg05517541	rs17704348	C	T	-0.254	0.037	0.131	3.83E-12	-0.013	0.010	0.173	0.013	48.184	TRUE	8.35E-12
Overall COPD	FYN	cg05517541	rs536341	A	G	0.428	0.066	0.042	1.02E-10	0.027	0.016	0.094	0.011	41.769	TRUE	2.31E-10
Overall COPD	FYN	cg05517541	rs580900	C	T	0.822	0.060	0.049	4.49E-43	-0.015	0.016	0.355	0.049	189.210	TRUE	6.94E-42
Overall COPD	FYN	cg05517541	rs6932319	A	G	-0.330	0.036	0.146	2.12E-20	0.015	0.011	0.167	0.023	85.628	TRUE	7.63E-20
Overall COPD	FYN	cg05517541	rs927010	C	G	-0.209	0.029	0.244	9.41E-13	-0.004	0.010	0.673	0.014	50.937	TRUE	1.42E-12
Overall COPD	FYN	cg05517541	rs9400505	C	T	1.229	0.030	0.148	<1E-200	-0.002	0.011	0.842	0.313	1683.281	TRUE	<1E-200
Overall COPD	FYN	cg05517541	rs9481206	T	A	0.288	0.040	0.116	3.23E-13	-0.004	0.013	0.787	0.014	53.036	TRUE	4.64E-13
Overall COPD	FYN	cg05517541	rs9918477	T	C	1.018	0.123	0.023	9.32E-17	0.021	0.037	0.570	0.018	69.071	TRUE	1.79E-16
Overall COPD	FYN	cg07725064	rs17072993	T	C	0.241	0.036	0.152	2.57E-11	-0.009	0.010	0.358	0.012	44.455	TRUE	4.49E-11
Overall COPD	FYN	cg07725064	rs4544951	G	A	-0.173	0.027	0.343	1.11E-10	-0.016	0.007	0.027	0.011	41.602	TRUE	3.10E-10
Overall COPD	FYN	cg07725064	rs4947131	A	G	-0.214	0.029	0.244	3.41E-13	0.008	0.008	0.325	0.014	52.928	TRUE	6.69E-13
Overall COPD	FYN	cg07725064	rs9387018	T	C	-0.193	0.028	0.279	5.59E-12	-0.002	0.007	0.759	0.013	47.443	TRUE	7.81E-12
Overall COPD	FYN	cg07725064	rs9487730	T	A	-0.984	0.052	0.054	4.35E-81	0.010	0.016	0.539	0.089	363.527	TRUE	5.45E-78
Overall COPD	FYN	cg08061598	rs9374281	T	G	0.468	0.079	0.028	2.91E-09	-0.054	0.024	0.024	0.009	35.226	TRUE	7.48E-09
Overall COPD	FYN	cg08270099	rs1321169	A	T	0.153	0.027	0.375	8.95E-09	0.011	0.007	0.111	0.009	33.040	TRUE	1.76E-08
Overall COPD	FYN	cg08376209	rs62413686	T	G	1.033	0.116	0.011	5.79E-19	-0.021	0.032	0.522	0.021	79.097	TRUE	1.28E-18
Overall COPD	FYN	cg08376209	rs697642	A	G	0.280	0.045	0.088	4.62E-10	0.000	0.013	0.977	0.010	38.811	TRUE	5.46E-10
Overall COPD	FYN	cg08601457	rs12175744	C	G	0.380	0.046	0.085	1.85E-16	0.003	0.012	0.792	0.018	67.722	TRUE	3.01E-16
Overall COPD	FYN	cg08601457	rs144761446	T	C	1.057	0.100	0.019	3.09E-26	0.015	0.050	0.759	0.029	112.227	TRUE	8.41E-26
Overall COPD	FYN	cg08601457	rs17540214	T	A	-0.212	0.037	0.133	6.56E-09	-0.014	0.011	0.187	0.009	33.644	TRUE	1.18E-08
Overall COPD	FYN	cg08601457	rs62413686	T	G	0.743	0.116	0.011	1.79E-10	-0.021	0.032	0.522	0.011	40.665	TRUE	2.70E-10
Overall COPD	FYN	cg08601457	rs6932319	A	G	-0.249	0.036	0.146	3.40E-12	0.015	0.011	0.167	0.013	48.419	TRUE	7.50E-12
Overall COPD	FYN	cg08601457	rs706895	C	T	0.284	0.029	0.249	1.62E-22	0.002	0.008	0.786	0.025	95.265	TRUE	3.51E-22
Overall COPD	FYN	cg08601457	rs9487736	A	G	0.872	0.035	0.143	5.23E-135	-0.008	0.010	0.422	0.142	611.189	TRUE	3.22E-127
Overall COPD	FYN	cg08601457	rs9918477	T	C	0.795	0.123	0.023	1.08E-10	0.021	0.037	0.570	0.011	41.642	TRUE	1.61E-10
Overall COPD	FYN	cg09512548	rs10457239	A	G	-0.280	0.034	0.154	4.11E-16	-0.006	0.009	0.507	0.018	66.148	TRUE	8.00E-16
Overall COPD	FYN	cg09512548	rs12191154	G	A	-0.696	0.038	0.108	5.00E-74	-0.007	0.011	0.482	0.082	331.126	TRUE	2.42E-71
Overall COPD	FYN	cg09512548	rs1794818	A	G	0.297	0.025	0.411	1.94E-31	0.010	0.007	0.145	0.035	135.986	TRUE	1.62E-30
Overall COPD	FYN	cg13832988	rs116862171	G	A	-1.205	0.139	0.016	3.78E-18	-0.017	0.028	0.549	0.020	75.390	TRUE	7.88E-18
Overall COPD	FYN	cg13832988	rs35552830	A	T	-0.207	0.033	0.170	2.68E-10	-0.019	0.009	0.037	0.011	39.874	TRUE	6.96E-10
Overall COPD	FYN	cg14482998	rs1029324	A	G	-0.941	0.022	0.327	<1E-200	0.011	0.007	0.125	0.333	1844.014	TRUE	<1E-200
Overall COPD	FYN	cg14482998	rs117106468	A	C	-0.671	0.090	0.019	9.52E-14	0.035	0.021	0.108	0.015	55.434	TRUE	2.53E-13
Overall COPD	FYN	cg14482998	rs117686161	A	T	0.829	0.140	0.015	3.09E-09	0.013	0.029	0.651	0.009	35.109	TRUE	4.16E-09
Overall COPD	FYN	cg14482998	rs117804466	A	G	0.560	0.073	0.030	1.83E-14	-0.032	0.020	0.121	0.016	58.680	TRUE	4.94E-14
Overall COPD	FYN	cg14482998	rs174401	C	T	-0.504	0.032	0.180	1.32E-55	0.003	0.008	0.732	0.063	246.626	TRUE	4.39E-54
Overall COPD	FYN	cg14482998	rs2237257	G	T	0.578	0.037	0.124	3.70E-56	-0.007	0.011	0.533	0.063	249.157	TRUE	1.70E-54
Overall COPD	FYN	cg14482998	rs35737411	T	C	0.403	0.043	0.095	1.44E-20	-0.013	0.013	0.315	0.023	86.397	TRUE	4.24E-20
Overall COPD	FYN	cg14482998	rs35796161	G	T	0.511	0.025	0.398	1.16E-96	-0.005	0.007	0.502	0.105	435.023	TRUE	2.06E-92
Overall COPD	FYN	cg14482998	rs456865	T	C	-0.336	0.025	0.429	5.97E-40	0.005	0.007	0.451	0.045	174.913	TRUE	6.06E-39
Overall COPD	FYN	cg14482998	rs62414866	A	C	0.420	0.044	0.082	3.04E-21	-0.006	0.013	0.671	0.024	89.467	TRUE	6.74E-21

Overall COPD	FYN	cg14482998	rs72944240	T	C	-0.382	0.054	0.143	1.67E-12	0.010	0.011	0.366	0.013	49.806	TRUE	3.07E-12
Overall COPD	FYN	cg14482998	rs74885165	A	G	0.472	0.082	0.020	6.80E-09	0.030	0.020	0.132	0.009	33.573	TRUE	1.31E-08
Overall COPD	FYN	cg14482998	rs75288724	G	A	-0.772	0.087	0.022	7.02E-19	-0.002	0.025	0.921	0.021	78.714	TRUE	1.16E-18
Overall COPD	FYN	cg14482998	rs75604142	C	T	0.723	0.052	0.052	1.66E-43	-0.011	0.026	0.690	0.049	191.193	TRUE	1.74E-42
Overall COPD	FYN	cg14482998	rs788157	T	A	-0.672	0.084	0.023	1.02E-15	-0.020	0.021	0.344	0.017	64.360	TRUE	2.23E-15
Overall COPD	FYN	cg14482998	rs79074797	C	T	-0.585	0.047	0.078	4.92E-35	-0.008	0.013	0.540	0.040	152.419	TRUE	3.00E-34
Overall COPD	FYN	cg14482998	rs9487671	C	T	-0.466	0.065	0.044	6.91E-13	-0.030	0.016	0.064	0.014	51.542	TRUE	1.94E-12
Overall COPD	FYN	cg14482998	rs9487704	A	G	-0.705	0.083	0.024	1.29E-17	-0.013	0.025	0.603	0.019	72.976	TRUE	2.51E-17
Overall COPD	FYN	cg14683699	rs73533730	T	C	-0.499	0.082	0.028	1.35E-09	-0.045	0.025	0.072	0.010	36.714	TRUE	3.02E-09
Overall COPD	FYN	cg14683699	rs9320380	T	C	-0.299	0.030	0.253	6.80E-24	-0.011	0.008	0.160	0.027	101.542	TRUE	3.13E-23
Overall COPD	FYN	cg16155724	rs1887315	G	C	0.293	0.038	0.138	8.29E-15	-0.005	0.010	0.649	0.016	60.233	TRUE	1.38E-14
Overall COPD	FYN	cg17076443	rs9487736	A	G	0.300	0.037	0.143	3.55E-16	-0.008	0.010	0.422	0.018	66.434	TRUE	7.43E-16
Overall COPD	FYN	cg20596647	rs12175744	C	G	0.504	0.046	0.085	6.81E-28	0.003	0.012	0.792	0.031	119.788	TRUE	1.99E-27
Overall COPD	FYN	cg20596647	rs144080231	A	G	-0.198	0.035	0.146	1.84E-08	-0.004	0.010	0.712	0.008	31.644	TRUE	2.34E-08
Overall COPD	FYN	cg20596647	rs144761446	T	C	0.980	0.100	0.019	1.01E-22	0.015	0.050	0.759	0.025	96.207	TRUE	2.25E-22
Overall COPD	FYN	cg20596647	rs17704348	C	T	-0.246	0.037	0.131	1.72E-11	-0.013	0.010	0.173	0.012	45.238	TRUE	3.63E-11
Overall COPD	FYN	cg20596647	rs4544951	G	A	-0.151	0.027	0.343	1.56E-08	-0.016	0.007	0.027	0.009	31.962	TRUE	3.74E-08
Overall COPD	FYN	cg20596647	rs536341	A	G	0.372	0.066	0.042	1.96E-08	0.027	0.016	0.094	0.008	31.522	TRUE	3.88E-08
Overall COPD	FYN	cg20596647	rs62413686	T	G	1.319	0.116	0.011	3.67E-30	-0.021	0.032	0.522	0.034	130.148	TRUE	1.60E-29
Overall COPD	FYN	cg20596647	rs706867	T	C	-0.195	0.029	0.235	3.59E-11	-0.003	0.008	0.741	0.012	43.803	TRUE	4.93E-11
Overall COPD	FYN	cg20596647	rs706895	C	T	0.322	0.029	0.249	1.00E-28	0.002	0.008	0.786	0.032	123.586	TRUE	3.10E-28
Overall COPD	FYN	cg20596647	rs72942201	A	G	-0.347	0.051	0.061	7.43E-12	0.012	0.014	0.390	0.013	46.884	TRUE	1.30E-11
Overall COPD	FYN	cg20596647	rs7775711	A	G	1.225	0.031	0.142	<1E-200	-0.008	0.010	0.422	0.297	1561.376	TRUE	2.57E-300
Overall COPD	FYN	cg20596647	rs9918477	T	C	0.697	0.123	0.023	1.55E-08	0.021	0.037	0.570	0.009	31.967	TRUE	2.13E-08
Overall COPD	FYN	cg20706496	rs150735800	C	T	0.452	0.081	0.025	2.94E-08	-0.009	0.024	0.689	0.008	30.732	TRUE	3.76E-08
Overall COPD	FYN	cg20706496	rs6912110	G	A	-0.327	0.026	0.376	1.18E-35	0.011	0.007	0.113	0.040	155.263	TRUE	1.54E-34
Overall COPD	FYN	cg24824472	rs144761446	T	C	0.812	0.100	0.019	5.12E-16	0.015	0.050	0.759	0.017	65.715	TRUE	8.34E-16
Overall COPD	FYN	cg24824472	rs9487736	A	G	0.494	0.036	0.143	9.37E-42	-0.008	0.010	0.422	0.047	183.170	TRUE	1.16E-40
Overall COPD	FYN	cg26462931	rs9487777	C	G	1.489	0.109	0.014	3.66E-42	0.039	0.022	0.072	0.048	185.037	TRUE	1.05E-40
Overall COPD	FYN	cg26846943	rs10872074	G	A	0.485	0.082	0.026	2.76E-09	-0.013	0.025	0.603	0.009	35.325	TRUE	3.82E-09
Overall COPD	FYN	cg26846943	rs11153318	A	G	-0.256	0.026	0.364	2.90E-22	0.004	0.007	0.573	0.025	94.119	TRUE	7.33E-22
Overall COPD	FYN	cg26846943	rs144080231	A	G	-0.217	0.035	0.146	7.31E-10	-0.004	0.010	0.712	0.010	37.915	TRUE	9.75E-10
Overall COPD	FYN	cg26846943	rs17704348	C	T	-0.287	0.037	0.131	3.72E-15	-0.013	0.010	0.173	0.016	61.811	TRUE	9.60E-15
Overall COPD	FYN	cg26846943	rs56268709	A	C	0.854	0.154	0.015	2.83E-08	-0.003	0.023	0.898	0.008	30.805	TRUE	3.31E-08
Overall COPD	FYN	cg26846943	rs580900	C	T	1.153	0.059	0.049	1.89E-85	-0.015	0.016	0.355	0.094	383.552	TRUE	6.69E-82
Overall COPD	FYN	cg26846943	rs585057	T	C	0.240	0.039	0.329	5.71E-10	-0.001	0.007	0.928	0.010	38.396	TRUE	6.89E-10
Overall COPD	FYN	cg26846943	rs72946251	C	A	0.475	0.067	0.042	1.20E-12	0.026	0.016	0.089	0.013	50.459	TRUE	3.11E-12
Overall COPD	FYN	cg26846943	rs7776191	G	T	0.735	0.067	0.036	5.09E-28	-0.025	0.017	0.154	0.032	120.367	TRUE	3.19E-27
Overall COPD	FYN	cg26846943	rs804193	T	C	0.562	0.064	0.042	1.57E-18	0.021	0.017	0.225	0.020	77.129	TRUE	4.58E-18
Overall COPD	FYN	cg26846943	rs9400505	C	T	1.342	0.027	0.148	<1E-200	-0.002	0.011	0.842	0.400	2466.568	TRUE	<1E-200
Overall COPD	FYN	cg26846943	rs9481206	T	A	0.308	0.040	0.116	6.25E-15	-0.004	0.013	0.787	0.016	60.790	TRUE	9.58E-15
Overall COPD	FYN	cg26846943	rs9918477	T	C	1.180	0.122	0.023	3.85E-22	0.021	0.037	0.570	0.025	93.556	TRUE	9.71E-22

Overall COPD	GAB2	cg07780377	rs10793302	T	C	-0.269	0.032	0.150	8.77E-17	0.021	0.009	0.017	0.018	69.190	TRUE	4.14E-16
Overall COPD	GAB2	cg12700464	rs202186505	C	T	-0.178	0.032	0.149	3.75E-08	0.038	0.014	0.007	0.008	30.259	TRUE	1.02E-07
Overall COPD	GAB2	cg13226797	rs2063730	C	A	-0.201	0.031	0.177	4.58E-11	0.023	0.009	0.007	0.012	43.327	TRUE	1.58E-10
Overall COPD	GAB2	cg13319772	rs901105	C	A	-0.231	0.032	0.154	3.62E-13	0.031	0.009	4.13E-04	0.014	52.811	TRUE	2.12E-12
Overall COPD	GAB2	cg24769381	rs112250420	A	T	-0.600	0.061	0.072	1.01E-22	0.033	0.014	0.020	0.025	96.204	TRUE	7.30E-22
Overall COPD	GAB2	cg24769381	rs11237557	C	A	0.298	0.049	0.064	1.66E-09	0.021	0.013	0.102	0.010	36.317	TRUE	3.46E-09
Overall COPD	GAB2	cg24769381	rs113602521	T	C	0.169	0.024	0.425	1.24E-12	0.003	0.018	0.886	0.013	50.402	TRUE	1.65E-12
Overall COPD	GAB2	cg24769381	rs12294627	A	C	-0.937	0.115	0.019	2.86E-16	0.043	0.029	0.137	0.018	66.863	TRUE	8.37E-16
Overall COPD	GAB2	cg24769381	rs1790246	A	G	-0.205	0.026	0.260	8.64E-15	0.010	0.008	0.196	0.016	60.151	TRUE	2.12E-14
Overall COPD	GAB2	cg24769381	rs189665771	T	C	-1.350	0.162	0.011	8.42E-17	0.056	0.039	0.155	0.018	69.270	TRUE	2.47E-16
Overall COPD	GAB2	cg24769381	rs2510044	A	G	-1.261	0.028	0.130	<1E-200	0.032	0.010	9.00E-04	0.361	2092.313	TRUE	<1E-200
Overall COPD	GAB2	cg24769381	rs542392	A	T	0.175	0.029	0.222	1.11E-09	-0.021	0.010	0.025	0.010	37.094	TRUE	2.93E-09
Overall COPD	GAB2	cg24769381	rs683420	C	T	-0.584	0.089	0.036	6.10E-11	0.056	0.022	0.010	0.011	42.765	TRUE	2.00E-10
Overall COPD	GAB2	cg24769381	rs7125327	T	C	0.324	0.032	0.391	9.95E-24	-0.007	0.007	0.327	0.027	100.789	TRUE	3.51E-23
Overall COPD	GAB2	cg24769381	rs74862493	G	T	-0.530	0.040	0.098	1.97E-39	-0.002	0.012	0.862	0.045	172.540	TRUE	1.22E-38
Overall COPD	GAB2	cg24769381	rs75268099	T	C	-1.275	0.090	0.019	6.51E-46	-0.029	0.022	0.179	0.052	202.212	TRUE	1.88E-44
Overall COPD	GAB2	cg24769381	rs977977	T	C	0.217	0.027	0.232	1.62E-15	-0.014	0.008	0.072	0.017	63.448	TRUE	5.26E-15
Overall COPD	GAB2	cg25414537	rs71471414	G	T	-0.433	0.045	0.180	1.49E-21	-0.011	0.009	0.226	0.024	90.875	TRUE	5.24E-21
Overall COPD	GAB2	cg25502267	rs2510031	C	T	-0.237	0.032	0.150	2.06E-13	0.027	0.009	0.002	0.014	53.918	TRUE	1.00E-12
Overall COPD	GAB2	cg26672202	rs113602521	T	C	-0.154	0.024	0.425	1.05E-10	0.003	0.018	0.886	0.011	41.704	TRUE	1.32E-10
Overall COPD	GAB2	cg26672202	rs117732488	G	A	0.542	0.099	0.015	4.93E-08	-0.029	0.026	0.250	0.008	29.728	TRUE	8.04E-08
Overall COPD	GAB2	cg26672202	rs1385601	C	A	0.886	0.031	0.150	2.14E-179	0.026	0.009	0.003	0.181	815.206	TRUE	6.98E-165
Overall COPD	GAB2	cg26672202	rs189665771	T	C	1.073	0.163	0.011	4.24E-11	0.056	0.039	0.155	0.012	43.474	TRUE	8.96E-11
Overall COPD	GAB2	cg26672202	rs79023139	C	A	0.329	0.040	0.102	1.27E-16	-0.002	0.012	0.862	0.018	68.463	TRUE	1.99E-16
Overall COPD	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	0.019	0.008	0.015	0.009	33.308	TRUE	2.06E-08
Overall COPD	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	0.021	0.013	0.103	0.008	30.032	TRUE	8.07E-08
Overall COPD	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	0.021	0.008	0.009	0.009	32.422	TRUE	3.38E-08
Overall COPD	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	0.000	0.022	0.990	0.011	42.684	TRUE	7.63E-11
Overall COPD	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	-0.027	0.007	1.22E-04	0.013	48.719	TRUE	1.78E-11
Overall COPD	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	0.019	0.012	0.107	0.073	291.545	TRUE	7.91E-63
Overall COPD	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	0.034	0.023	0.149	0.010	36.633	TRUE	2.76E-09
Overall COPD	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	0.002	0.008	0.841	0.010	36.929	TRUE	1.51E-09
Overall COPD	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	-0.018	0.010	0.087	0.010	37.019	TRUE	2.51E-09
Overall COPD	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	0.029	0.007	4.19E-05	0.008	30.384	TRUE	1.52E-07
Overall COPD	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	0.039	0.011	2.38E-04	0.009	35.350	TRUE	1.15E-08
Overall COPD	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	-0.008	0.007	0.268	0.073	293.103	TRUE	2.29E-63
Overall COPD	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	-0.008	0.010	0.389	0.012	46.222	TRUE	1.81E-11
Overall COPD	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	0.020	0.007	0.005	0.020	73.634	TRUE	5.88E-17
Overall COPD	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	0.009	0.009	0.285	0.021	81.272	TRUE	5.50E-19
Overall COPD	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	0.000	0.008	0.978	0.024	92.119	TRUE	1.45E-21
Overall COPD	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	0.021	0.008	0.006	0.017	65.797	TRUE	2.59E-15
Overall COPD	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	0.023	0.013	0.071	0.012	44.362	TRUE	6.70E-11

Overall COPD	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	0.017	0.007	0.017	0.017	64.427	TRUE	4.30E-15
Overall COPD	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	0.004	0.007	0.574	0.013	49.592	TRUE	2.96E-12
Overall COPD	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	-0.006	0.009	0.523	0.019	71.662	TRUE	5.11E-17
Overall COPD	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	-0.007	0.009	0.444	0.011	40.186	TRUE	3.61E-10
Overall COPD	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	-0.032	0.013	0.015	0.093	378.746	TRUE	3.45E-80
Overall COPD	GATA4	cg12395012	rs113711483	C	G	0.348	0.025	0.389	5.53E-43	-0.020	0.008	0.016	0.049	188.797	TRUE	2.79E-41
Overall COPD	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	0.021	0.008	0.009	0.016	60.757	TRUE	2.86E-14
Overall COPD	GATA4	cg12395012	rs11782805	T	C	-0.358	0.058	0.058	8.67E-10	0.018	0.019	0.350	0.010	37.584	TRUE	1.42E-09
Overall COPD	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	-0.027	0.007	1.87E-04	0.030	115.655	TRUE	1.37E-25
Overall COPD	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	-0.004	0.009	0.672	0.037	144.038	TRUE	1.56E-32
Overall COPD	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	0.000	0.009	0.983	0.060	236.695	TRUE	3.81E-52
Overall COPD	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	0.019	0.008	0.015	0.012	43.068	TRUE	1.63E-10
Overall COPD	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	-0.006	0.009	0.485	0.036	139.849	TRUE	1.46E-31
Overall COPD	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	-0.005	0.007	0.470	0.034	129.571	TRUE	2.24E-29
Overall COPD	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	-0.012	0.007	0.073	0.012	45.010	TRUE	4.83E-11
Overall COPD	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.028	0.009	0.002	0.022	82.740	TRUE	7.85E-19
Overall COPD	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	0.012	0.007	0.086	0.023	88.204	TRUE	2.59E-20
Overall COPD	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	-0.005	0.007	0.488	0.378	2251.154	TRUE	<1E-200
Overall COPD	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	0.035	0.024	0.139	0.008	30.198	TRUE	7.07E-08
Overall COPD	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	0.017	0.011	0.117	0.016	58.439	TRUE	5.62E-14
Overall COPD	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	-0.002	0.007	0.805	0.020	74.471	TRUE	1.04E-17
Overall COPD	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.024	0.014	0.101	0.011	39.772	TRUE	6.18E-10
Overall COPD	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	0.011	0.009	0.220	0.026	99.007	TRUE	9.75E-23
Overall COPD	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	-0.001	0.014	0.935	0.018	66.474	TRUE	5.12E-16
Overall COPD	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	-0.009	0.015	0.553	0.014	50.905	TRUE	1.55E-12
Overall COPD	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.020	0.011	0.072	0.015	57.079	TRUE	1.22E-13
Overall COPD	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	0.010	0.017	0.536	0.011	40.146	TRUE	3.48E-10
Overall COPD	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.016	0.011	0.160	0.018	69.634	TRUE	2.05E-16
Overall COPD	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	-0.030	0.007	1.83E-05	0.013	48.249	TRUE	2.68E-11
Overall COPD	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	0.022	0.010	0.029	0.014	52.642	TRUE	1.30E-12
Overall COPD	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	0.009	0.009	0.285	0.037	142.044	TRUE	6.49E-32
Overall COPD	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	-0.017	0.010	0.093	0.039	152.064	TRUE	7.77E-34
Overall COPD	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.001	0.009	0.932	0.009	32.887	TRUE	1.13E-08
Overall COPD	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	-0.018	0.015	0.225	0.008	30.231	TRUE	6.37E-08
Overall COPD	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.002	0.008	0.819	0.055	213.953	TRUE	2.56E-47
Overall COPD	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	-0.021	0.010	0.030	0.010	38.537	TRUE	1.40E-09
Overall COPD	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	-0.011	0.007	0.150	0.013	48.501	TRUE	7.37E-12
Overall COPD	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	-0.011	0.008	0.147	0.037	141.186	TRUE	1.29E-31
Overall COPD	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	-0.011	0.007	0.122	0.017	64.131	TRUE	3.33E-15
Overall COPD	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	0.029	0.018	0.096	0.009	34.801	TRUE	7.48E-09
Overall COPD	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	0.005	0.007	0.490	0.055	216.699	TRUE	1.02E-47
Overall COPD	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	0.007	0.014	0.596	0.008	29.788	TRUE	6.35E-08

Overall COPD	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	-0.019	0.012	0.105	0.012	45.412	TRUE	3.70E-11
Overall COPD	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	-0.004	0.015	0.782	0.023	86.920	TRUE	2.19E-20
Overall COPD	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	-0.021	0.026	0.414	0.018	69.543	TRUE	1.60E-16
Overall COPD	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	0.017	0.007	0.019	0.011	42.187	TRUE	2.44E-10
Overall COPD	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	-0.007	0.009	0.448	0.013	49.055	TRUE	4.21E-12
Overall COPD	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	-0.024	0.008	0.003	0.013	48.665	TRUE	1.28E-11
Overall COPD	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.006	0.010	0.547	0.010	35.815	TRUE	3.07E-09
Overall COPD	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	-0.026	0.007	1.70E-04	0.012	45.548	TRUE	8.10E-11
Overall COPD	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	-0.020	0.009	0.026	0.009	34.592	TRUE	1.01E-08
Overall COPD	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	0.002	0.007	0.782	0.013	50.455	TRUE	1.70E-12
Overall COPD	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	-0.004	0.012	0.735	0.009	32.861	TRUE	1.25E-08
Overall COPD	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	0.017	0.007	0.017	0.100	412.571	TRUE	5.22E-87
Overall COPD	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	0.004	0.007	0.574	0.017	62.753	TRUE	4.13E-15
Overall COPD	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	-0.020	0.008	0.018	0.009	34.832	TRUE	9.43E-09
Overall COPD	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	-0.015	0.010	0.131	0.008	30.565	TRUE	5.94E-08
Overall COPD	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	0.023	0.013	0.069	0.023	85.529	TRUE	1.02E-19
Overall COPD	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	-0.011	0.008	0.147	0.008	31.710	TRUE	3.27E-08
Overall COPD	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	0.026	0.013	0.051	0.017	62.917	TRUE	7.33E-15
Overall COPD	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	-0.003	0.008	0.681	0.010	38.618	TRUE	6.95E-10
Overall COPD	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	0.003	0.008	0.700	0.019	70.206	TRUE	9.27E-17
Overall COPD	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	0.013	0.011	0.232	0.010	36.804	TRUE	2.32E-09
Overall COPD	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	0.016	0.007	0.027	0.136	581.132	TRUE	1.75E-120
Overall COPD	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	0.000	0.008	0.989	0.029	109.872	TRUE	2.23E-25
Overall COPD	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	0.021	0.008	0.009	0.010	37.048	TRUE	3.41E-09
Overall COPD	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	-0.019	0.008	0.014	0.020	73.921	TRUE	4.19E-17
Overall COPD	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	0.008	0.007	0.251	0.010	37.183	TRUE	1.88E-09
Overall COPD	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	-0.031	0.013	0.014	0.034	131.650	TRUE	2.63E-29
Overall COPD	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	-0.025	0.010	0.010	0.011	40.029	TRUE	7.74E-10
Overall COPD	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	-0.008	0.009	0.355	0.008	29.970	TRUE	6.60E-08
Overall COPD	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	0.001	0.007	0.896	0.013	50.398	TRUE	1.64E-12
Overall COPD	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	0.017	0.008	0.030	0.016	60.009	TRUE	3.41E-14
Overall COPD	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	0.014	0.008	0.064	0.026	98.171	TRUE	2.12E-22
Overall COPD	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	0.031	0.010	0.003	0.011	40.016	TRUE	9.04E-10
Overall COPD	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	-0.021	0.008	0.012	0.012	44.473	TRUE	8.44E-11
Overall COPD	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	-0.009	0.007	0.221	0.013	46.883	TRUE	1.51E-11
Overall COPD	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	-0.020	0.008	0.011	0.018	68.221	TRUE	7.17E-16
Overall COPD	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	0.003	0.008	0.723	0.027	100.891	TRUE	2.30E-23
Overall COPD	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	-0.008	0.008	0.305	0.015	57.157	TRUE	8.30E-14
Overall COPD	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	0.021	0.008	0.006	0.024	91.679	TRUE	8.40E-21
Overall COPD	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	0.021	0.013	0.103	0.009	33.368	TRUE	1.51E-08
Overall COPD	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	-0.006	0.009	0.523	0.033	127.799	TRUE	5.03E-29
Overall COPD	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	0.022	0.012	0.060	0.017	63.574	TRUE	5.13E-15

Overall COPD	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	0.017	0.007	0.020	0.010	38.738	TRUE	1.34E-09
Overall COPD	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	0.023	0.012	0.057	0.025	93.890	TRUE	1.77E-21
Overall COPD	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	-0.005	0.024	0.828	0.008	31.014	TRUE	3.06E-08
Overall COPD	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	0.009	0.011	0.407	0.015	56.164	TRUE	1.25E-13
Overall COPD	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	-0.014	0.015	0.362	0.012	43.321	TRUE	7.90E-11
Overall COPD	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	0.017	0.007	0.011	0.009	34.839	TRUE	9.97E-09
Overall COPD	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	-0.005	0.013	0.694	0.023	85.679	TRUE	4.31E-20
Overall COPD	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	-0.001	0.009	0.907	0.008	29.771	TRUE	5.58E-08
Overall COPD	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	0.016	0.011	0.130	0.023	87.462	TRUE	3.33E-20
Overall COPD	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	0.008	0.013	0.518	0.015	57.334	TRUE	6.40E-14
Overall COPD	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	-0.011	0.009	0.248	0.011	40.308	TRUE	3.93E-10
Overall COPD	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	-0.015	0.008	0.059	0.008	30.269	TRUE	7.80E-08
Overall COPD	GATA4	cg23916205	rs73209087	A	C	0.319	0.054	0.056	2.83E-09	-0.016	0.016	0.327	0.009	35.281	TRUE	4.61E-09
Overall COPD	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	-0.018	0.007	0.016	0.009	33.868	TRUE	1.55E-08
Overall COPD	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.002	0.008	0.819	0.020	75.680	TRUE	5.63E-18
Overall COPD	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	-0.007	0.007	0.332	0.118	496.104	TRUE	1.88E-104
Overall COPD	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	0.011	0.007	0.131	0.014	51.402	TRUE	1.79E-12
Overall COPD	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	0.013	0.008	0.076	0.034	131.293	TRUE	1.97E-29
Overall COPD	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	-0.023	0.009	0.013	0.010	37.232	TRUE	2.99E-09
Overall COPD	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	-0.020	0.008	0.019	0.012	45.839	TRUE	4.01E-11
Overall COPD	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	-0.002	0.008	0.750	0.009	34.224	TRUE	6.21E-09
Overall COPD	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	-0.003	0.009	0.769	0.009	32.265	TRUE	1.66E-08
Overall COPD	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	-0.009	0.007	0.214	0.014	51.868	TRUE	1.27E-12
Overall COPD	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	0.016	0.007	0.032	0.011	39.564	TRUE	8.31E-10
Overall COPD	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	-0.032	0.016	0.046	0.009	33.664	TRUE	1.48E-08
Overall COPD	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	-0.011	0.009	0.247	0.013	49.878	TRUE	3.30E-12
Overall COPD	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	-0.008	0.007	0.268	0.099	407.818	TRUE	1.04E-86
Overall COPD	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	-0.008	0.021	0.716	0.016	60.509	TRUE	1.15E-14
Overall COPD	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	-0.008	0.010	0.389	0.021	80.057	TRUE	8.97E-19
Overall COPD	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	0.014	0.009	0.111	0.008	30.569	TRUE	6.09E-08
Overall COPD	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	0.020	0.007	0.005	0.021	77.680	TRUE	8.15E-18
Overall COPD	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	0.009	0.009	0.285	0.023	87.101	TRUE	3.10E-20
Overall COPD	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	-0.013	0.008	0.131	0.010	35.513	TRUE	4.95E-09
Overall COPD	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	0.000	0.008	0.978	0.035	134.159	TRUE	1.48E-30
Overall COPD	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	0.019	0.008	0.015	0.029	109.329	TRUE	1.31E-24
Overall COPD	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	-0.024	0.008	0.002	0.009	34.283	TRUE	1.59E-08
Overall COPD	GFAP	cg02407342	rs8067029	G	T	-0.258	0.037	0.116	2.66E-12	0.027	0.011	0.011	0.013	48.900	TRUE	9.56E-12
Overall COPD	GFAP	cg07167554	rs2289674	G	A	0.157	0.029	0.202	3.71E-08	-0.010	0.008	0.226	0.008	30.278	TRUE	6.21E-08
Overall COPD	GFAP	cg07918341	rs17546654	A	G	-0.224	0.034	0.151	3.95E-11	-0.007	0.010	0.483	0.012	43.613	TRUE	6.28E-11
Overall COPD	GFAP	cg10855825	rs8067029	G	T	-0.261	0.036	0.116	7.90E-13	0.027	0.011	0.011	0.014	51.280	TRUE	2.96E-12
Overall COPD	GFAP	cg16343401	rs117250203	T	G	-0.693	0.113	0.012	8.18E-10	0.028	0.038	0.459	0.010	37.696	TRUE	1.25E-09
Overall COPD	GFAP	cg16343401	rs12150247	G	C	0.224	0.041	0.083	4.73E-08	-0.024	0.012	0.045	0.008	29.808	TRUE	1.02E-07

Overall COPD	GFAP	cg16343401	rs12602860	T	C	0.184	0.026	0.306	6.37E-13	-0.003	0.007	0.654	0.014	51.702	TRUE	9.79E-13
Overall COPD	GFAP	cg16343401	rs12944434	G	A	0.180	0.024	0.497	1.76E-14	0.004	0.007	0.550	0.016	58.752	TRUE	3.08E-14
Overall COPD	GFAP	cg16343401	rs143814916	C	A	-0.424	0.067	0.031	2.47E-10	0.017	0.021	0.399	0.011	40.034	TRUE	4.01E-10
Overall COPD	GFAP	cg16343401	rs144535065	A	G	-0.367	0.057	0.039	1.65E-10	-0.008	0.017	0.629	0.011	40.820	TRUE	2.35E-10
Overall COPD	GFAP	cg16343401	rs144647217	A	G	-0.251	0.034	0.135	1.54E-13	0.018	0.010	0.079	0.015	54.492	TRUE	4.31E-13
Overall COPD	GFAP	cg16343401	rs2070935	T	G	-0.370	0.024	0.420	4.25E-54	0.008	0.007	0.232	0.061	239.715	TRUE	2.60E-52
Overall COPD	GFAP	cg16343401	rs2289681	T	C	0.527	0.034	0.128	5.53E-54	-0.020	0.010	0.061	0.061	239.190	TRUE	6.19E-52
Overall COPD	GFAP	cg16343401	rs4792948	T	C	-0.256	0.038	0.116	2.64E-11	0.012	0.011	0.264	0.012	44.403	TRUE	4.99E-11
Overall COPD	GFAP	cg16343401	rs713101	A	G	0.229	0.023	0.436	1.61E-22	-0.012	0.007	0.084	0.025	95.278	TRUE	8.13E-22
Overall COPD	GFAP	cg16343401	rs72826852	A	G	-0.266	0.037	0.121	5.07E-13	0.004	0.011	0.678	0.014	52.151	TRUE	7.71E-13
Overall COPD	GFAP	cg16343401	rs79588955	C	G	-0.409	0.039	0.096	1.56E-25	-0.005	0.011	0.639	0.029	109.015	TRUE	4.52E-25
Overall COPD	GFAP	cg16343401	rs8067029	G	T	-0.769	0.036	0.116	5.08E-101	0.027	0.011	0.011	0.110	455.050	TRUE	2.02E-95
Overall COPD	GFAP	cg17265120	rs8073674	C	A	0.209	0.037	0.116	1.66E-08	-0.010	0.010	0.326	0.009	31.840	TRUE	2.61E-08
Overall COPD	GFAP	cg18208742	rs76566528	A	G	-0.211	0.033	0.156	1.45E-10	-0.007	0.010	0.483	0.011	41.070	TRUE	2.26E-10
Overall COPD	GFAP	cg20911989	rs112023302	A	G	0.232	0.038	0.102	8.48E-10	-0.011	0.012	0.337	0.010	37.625	TRUE	1.41E-09
Overall COPD	GFAP	cg20911989	rs11657244	T	C	-0.195	0.034	0.143	7.80E-09	0.007	0.009	0.463	0.009	33.307	TRUE	1.14E-08
Overall COPD	GFAP	cg20911989	rs12449792	T	C	0.204	0.024	0.448	4.24E-18	-0.008	0.007	0.267	0.020	75.165	TRUE	1.15E-17
Overall COPD	GFAP	cg20911989	rs12602860	T	C	0.155	0.026	0.306	1.19E-09	-0.003	0.007	0.654	0.010	36.974	TRUE	1.62E-09
Overall COPD	GFAP	cg20911989	rs2070935	T	G	-0.309	0.024	0.420	5.73E-38	0.008	0.007	0.232	0.043	165.842	TRUE	6.87E-37
Overall COPD	GFAP	cg20911989	rs2289681	T	C	0.500	0.034	0.128	1.37E-48	-0.020	0.010	0.061	0.055	214.466	TRUE	8.24E-47
Overall COPD	GFAP	cg20911989	rs56908739	T	C	-0.597	0.037	0.114	1.72E-59	0.028	0.011	0.008	0.067	264.439	TRUE	7.94E-57
Overall COPD	GFAP	cg20911989	rs7217422	C	G	-0.226	0.033	0.161	4.35E-12	0.005	0.010	0.598	0.013	47.932	TRUE	6.70E-12
Overall COPD	GFAP	cg20911989	rs72826870	C	G	-0.220	0.037	0.119	3.13E-09	0.010	0.011	0.346	0.009	35.082	TRUE	5.02E-09
Overall COPD	GFAP	cg20911989	rs73309596	T	C	-0.387	0.046	0.068	8.64E-17	0.010	0.014	0.503	0.018	69.220	TRUE	1.74E-16
Overall COPD	GFAP	cg21601845	rs2070935	T	G	-0.152	0.024	0.420	1.78E-10	0.008	0.007	0.232	0.011	40.670	TRUE	3.33E-10
Overall COPD	GFAP	cg23016243	rs144535065	A	G	0.400	0.057	0.039	2.79E-12	-0.008	0.017	0.629	0.013	48.806	TRUE	4.24E-12
Overall COPD	GFAP	cg23016243	rs67419793	G	T	0.532	0.037	0.114	1.54E-47	0.028	0.011	0.008	0.054	209.657	TRUE	1.59E-45
Overall COPD	GFAP	cg23016243	rs7207047	A	G	0.133	0.024	0.395	3.57E-08	0.009	0.007	0.164	0.008	30.353	TRUE	6.35E-08
Overall COPD	GFAP	cg23016243	rs72824797	T	C	0.186	0.032	0.156	5.60E-09	0.015	0.009	0.113	0.009	33.951	TRUE	1.11E-08
Overall COPD	GFAP	cg23016243	rs758020	C	A	-0.243	0.038	0.112	2.40E-10	-0.007	0.011	0.516	0.011	40.088	TRUE	3.62E-10
Overall COPD	GFAP	cg23242944	rs744281	A	G	-0.137	0.024	0.407	1.11E-08	0.003	0.007	0.687	0.009	32.613	TRUE	1.45E-08
Overall COPD	GPR137B	cg01514015	rs7512803	C	A	0.149	0.024	0.487	2.49E-10	0.004	0.007	0.573	0.011	40.014	TRUE	3.64E-10
Overall COPD	GPR137B	cg06867215	rs7543562	A	G	0.147	0.024	0.378	9.78E-10	0.006	0.007	0.389	0.010	37.349	TRUE	1.56E-09
Overall COPD	GPR137B	cg07396581	rs911271	C	A	-0.206	0.023	0.491	5.17E-19	0.004	0.007	0.534	0.021	79.319	TRUE	1.14E-18
Overall COPD	GPR137B	cg07425541	rs1749600	C	T	-0.144	0.024	0.374	1.83E-09	0.006	0.007	0.409	0.010	36.127	TRUE	2.84E-09
Overall COPD	GPR137B	cg07425541	rs7543562	A	G	0.378	0.024	0.378	4.12E-56	0.006	0.007	0.389	0.063	248.946	TRUE	2.34E-54
Overall COPD	GPR137B	cg10981580	rs10924372	C	T	-0.155	0.024	0.371	2.73E-10	0.006	0.007	0.453	0.011	39.839	TRUE	4.27E-10
Overall COPD	GPR137B	cg16044595	rs12408494	C	G	-0.340	0.029	0.192	4.37E-31	0.011	0.009	0.229	0.035	134.369	TRUE	2.99E-30
Overall COPD	GPR137B	cg16044595	rs2492376	T	C	0.149	0.024	0.376	6.37E-10	-0.008	0.007	0.273	0.010	38.184	TRUE	1.12E-09
Overall COPD	GPR137B	cg16044595	rs7511796	T	A	0.368	0.024	0.373	1.95E-52	0.006	0.007	0.362	0.059	232.095	TRUE	7.71E-51
Overall COPD	GPR137B	cg16044595	rs9661110	C	T	0.434	0.076	0.052	1.17E-08	0.014	0.019	0.472	0.009	32.517	TRUE	1.70E-08
Overall COPD	GPR137B	cg16505687	rs7549800	T	A	-0.302	0.024	0.374	5.00E-37	0.006	0.007	0.389	0.042	161.538	TRUE	4.30E-36

Overall COPD	GPR137B	cg17269430	rs1476399	T	A	0.228	0.024	0.375	2.10E-21	0.006	0.007	0.389	0.024	90.204	TRUE	5.99E-21
Overall COPD	GPR137B	cg18879590	rs12095039	C	G	0.208	0.034	0.136	8.10E-10	-0.021	0.010	0.036	0.010	37.715	TRUE	2.04E-09
Overall COPD	GPR137B	cg19249231	rs12095039	C	G	-0.237	0.034	0.136	3.39E-12	-0.021	0.010	0.036	0.013	48.423	TRUE	1.01E-11
Overall COPD	GPR137B	cg19249231	rs648117	G	A	0.190	0.024	0.395	1.17E-15	-0.011	0.007	0.127	0.017	64.080	TRUE	3.38E-15
Overall COPD	GPR137B	cg19249231	rs72767414	A	G	-0.274	0.030	0.180	5.94E-20	0.003	0.009	0.711	0.022	83.592	TRUE	1.20E-19
Overall COPD	GPR137B	cg19249231	rs7549800	T	A	0.436	0.024	0.374	6.17E-74	0.006	0.007	0.389	0.082	330.704	TRUE	3.50E-71
Overall COPD	GPR137B	cg23646820	rs12095039	C	G	-0.297	0.034	0.136	2.76E-18	-0.021	0.010	0.036	0.020	76.015	TRUE	1.25E-17
Overall COPD	GPR137B	cg23646820	rs36087647	G	A	-0.261	0.045	0.174	8.47E-09	0.008	0.009	0.403	0.009	33.147	TRUE	1.28E-08
Overall COPD	GPR137B	cg23646820	rs477798	A	G	0.234	0.024	0.389	8.66E-23	-0.012	0.007	0.096	0.025	96.507	TRUE	4.29E-22
Overall COPD	GPR137B	cg23646820	rs72767412	C	G	0.209	0.034	0.139	9.70E-10	0.002	0.010	0.806	0.010	37.364	TRUE	1.23E-09
Overall COPD	GPR137B	cg23646820	rs72767414	A	G	-0.290	0.030	0.180	4.02E-22	0.003	0.009	0.711	0.025	93.469	TRUE	9.04E-22
Overall COPD	GPR137B	cg23646820	rs9661110	C	T	0.475	0.076	0.052	3.92E-10	0.014	0.019	0.472	0.010	39.131	TRUE	6.02E-10
Overall COPD	GPX1	cg02758552	rs13066140	C	T	0.211	0.036	0.115	5.82E-09	-0.019	0.011	0.075	0.009	33.877	TRUE	1.24E-08
Overall COPD	GPX1	cg02758552	rs73082914	T	C	0.241	0.043	0.078	1.72E-08	-0.010	0.013	0.446	0.009	31.772	TRUE	2.51E-08
Overall COPD	GPX1	cg02758552	rs9858280	C	T	0.341	0.025	0.318	1.12E-43	-0.034	0.007	1.32E-06	0.049	191.970	TRUE	4.35E-41
Overall COPD	GPX1	cg05055782	rs200470784	T	C	0.299	0.049	0.061	9.69E-10	-0.012	0.017	0.504	0.010	37.367	TRUE	1.44E-09
Overall COPD	GPX1	cg05055782	rs6773518	A	C	0.254	0.023	0.448	2.65E-27	0.007	0.007	0.297	0.031	117.096	TRUE	1.23E-26
Overall COPD	GPX1	cg05055782	rs73082363	C	T	-0.194	0.035	0.128	3.40E-08	-0.035	0.010	5.19E-04	0.008	30.448	TRUE	1.20E-07
Overall COPD	GPX1	cg05551922	rs4974078	T	C	0.169	0.023	0.500	4.39E-13	-0.009	0.007	0.211	0.014	52.434	TRUE	9.61E-13
Overall COPD	GPX1	cg05551922	rs9878943	A	G	-0.252	0.025	0.314	1.91E-23	-0.035	0.007	1.24E-06	0.026	99.499	TRUE	6.37E-22
Overall COPD	GPX1	cg07274523	rs141260127	T	C	0.315	0.055	0.049	8.73E-09	-0.039	0.016	0.016	0.009	33.086	TRUE	2.29E-08
Overall COPD	GPX1	cg07274523	rs35761247	A	G	0.294	0.049	0.065	1.73E-09	-0.030	0.015	0.046	0.010	36.239	TRUE	4.10E-09
Overall COPD	GPX1	cg07274523	rs6446277	A	G	0.417	0.025	0.314	6.13E-65	-0.034	0.007	1.39E-06	0.073	289.426	TRUE	5.18E-61
Overall COPD	GPX1	cg07274523	rs7627910	C	T	-0.142	0.024	0.458	2.33E-09	0.018	0.007	0.007	0.010	35.656	TRUE	7.03E-09
Overall COPD	GPX1	cg07274523	rs7640031	C	G	0.314	0.052	0.054	1.77E-09	0.015	0.015	0.335	0.010	36.193	TRUE	2.89E-09
Overall COPD	GPX1	cg07274523	rs990211	A	G	-0.207	0.030	0.176	5.31E-12	0.022	0.009	0.015	0.013	47.544	TRUE	1.79E-11
Overall COPD	GPX1	cg18642234	rs1046953	T	C	-0.147	0.024	0.424	7.29E-10	-0.016	0.007	0.030	0.010	37.920	TRUE	1.89E-09
Overall COPD	GPX1	cg18642234	rs112837936	A	G	-0.310	0.039	0.101	2.49E-15	-0.013	0.011	0.246	0.017	62.596	TRUE	5.92E-15
Overall COPD	GPX1	cg18642234	rs114738417	A	G	0.458	0.061	0.039	8.73E-14	0.029	0.019	0.111	0.015	55.603	TRUE	2.31E-13
Overall COPD	GPX1	cg18642234	rs116608907	T	C	-0.352	0.056	0.040	4.35E-10	-0.038	0.017	0.023	0.010	38.930	TRUE	1.19E-09
Overall COPD	GPX1	cg18642234	rs4855877	C	T	0.380	0.023	0.450	6.49E-60	0.007	0.007	0.303	0.067	266.382	TRUE	6.78E-58
Overall COPD	GPX1	cg18642234	rs75339099	G	A	0.319	0.050	0.056	2.08E-10	-0.007	0.015	0.631	0.011	40.369	TRUE	2.95E-10
Overall COPD	GPX1	cg18642234	rs7615170	C	G	0.276	0.043	0.079	1.72E-10	-0.008	0.013	0.523	0.011	40.739	TRUE	2.60E-10
Overall COPD	GPX1	cg18642234	rs78807522	A	C	-0.280	0.035	0.129	1.38E-15	-0.028	0.010	0.007	0.017	63.757	TRUE	6.92E-15
Overall COPD	GPX1	cg24011261	rs11716974	A	G	-0.304	0.025	0.314	1.35E-33	-0.035	0.007	1.24E-06	0.038	145.843	TRUE	1.48E-31
Overall COPD	GPX1	cg24011261	rs4974078	T	C	0.179	0.023	0.500	1.33E-14	-0.009	0.007	0.211	0.016	59.299	TRUE	3.17E-14
Overall COPD	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	-0.010	0.007	0.137	0.022	83.004	TRUE	2.93E-19
Overall COPD	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	-0.007	0.034	0.832	0.020	74.243	TRUE	1.14E-17
Overall COPD	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	0.016	0.025	0.512	0.016	59.557	TRUE	2.12E-14
Overall COPD	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	0.007	0.008	0.414	0.012	45.037	TRUE	3.22E-11
Overall COPD	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	-0.007	0.013	0.558	0.011	42.892	TRUE	8.62E-11
Overall COPD	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	-0.028	0.008	3.22E-04	0.038	145.486	TRUE	7.29E-32

Overall COPD	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	0.006	0.008	0.465	0.008	30.518	TRUE	4.69E-08
Overall COPD	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	-0.022	0.016	0.163	0.042	163.312	TRUE	2.72E-36
Overall COPD	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	0.022	0.008	0.008	0.020	75.784	TRUE	1.88E-17
Overall COPD	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	0.026	0.007	8.28E-05	0.014	52.136	TRUE	3.50E-12
Overall COPD	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	0.012	0.013	0.376	0.014	52.275	TRUE	8.88E-13
Overall COPD	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.009	0.012	0.469	0.010	38.182	TRUE	9.73E-10
Overall COPD	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	0.026	0.007	8.28E-05	0.031	118.611	TRUE	3.74E-26
Overall COPD	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	-0.021	0.010	0.026	0.024	91.445	TRUE	7.03E-21
Overall COPD	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	0.002	0.023	0.924	0.010	36.121	TRUE	2.19E-09
Overall COPD	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	-0.019	0.010	0.047	0.023	88.537	TRUE	2.55E-20
Overall COPD	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	-0.012	0.007	0.075	0.011	41.141	TRUE	3.29E-10
Overall COPD	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	0.020	0.007	0.002	0.044	170.791	TRUE	2.56E-37
Overall COPD	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	-0.030	0.007	9.31E-06	0.320	1739.419	TRUE	<1E-200
Overall COPD	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	0.008	0.013	0.542	0.017	62.193	TRUE	5.58E-15
Overall COPD	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	0.043	0.016	0.007	0.013	50.514	TRUE	4.57E-12
Overall COPD	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	0.032	0.008	9.54E-05	0.034	128.558	TRUE	3.06E-28
Overall COPD	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.017	0.012	0.141	0.033	127.851	TRUE	8.57E-29
Overall COPD	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	0.010	0.026	0.712	0.008	29.958	TRUE	5.52E-08
Overall COPD	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	-0.021	0.010	0.026	0.022	84.446	TRUE	2.16E-19
Overall COPD	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	0.002	0.023	0.924	0.011	40.041	TRUE	3.00E-10
Overall COPD	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	-0.019	0.010	0.047	0.020	76.836	TRUE	7.92E-18
Overall COPD	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	0.020	0.007	0.002	0.055	213.970	TRUE	2.82E-46
Overall COPD	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	-0.030	0.007	9.31E-06	0.282	1451.768	TRUE	3.84E-278
Overall COPD	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	0.008	0.013	0.542	0.014	52.543	TRUE	6.89E-13
Overall COPD	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	0.043	0.016	0.007	0.015	56.822	TRUE	2.06E-13
Overall COPD	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	0.032	0.008	9.54E-05	0.036	138.804	TRUE	2.23E-30
Overall COPD	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.011	0.019	0.549	0.014	52.132	TRUE	8.43E-13
Overall COPD	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	0.002	0.023	0.924	0.008	30.488	TRUE	3.84E-08
Overall COPD	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	0.024	0.008	0.002	0.009	32.948	TRUE	3.10E-08
Overall COPD	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	-0.017	0.012	0.154	0.009	32.601	TRUE	2.07E-08
Overall COPD	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	-0.003	0.008	0.700	0.011	41.116	TRUE	1.95E-10
Overall COPD	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	0.044	0.007	7.71E-10	0.012	46.247	TRUE	1.48E-10
Overall COPD	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	0.034	0.007	3.18E-07	0.099	407.381	TRUE	1.37E-84
Overall COPD	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	0.000	0.014	0.977	0.011	40.532	TRUE	2.28E-10
Overall COPD	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.010	0.010	0.349	0.017	64.042	TRUE	2.60E-15
Overall COPD	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	-0.029	0.007	5.35E-05	0.009	31.956	TRUE	6.90E-08
Overall COPD	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	0.022	0.016	0.175	0.014	52.347	TRUE	1.05E-12
Overall COPD	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	-0.018	0.010	0.077	0.009	32.697	TRUE	2.22E-08
Overall COPD	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	0.039	0.010	8.55E-05	0.010	36.314	TRUE	7.87E-09
Overall COPD	GSDMB	cg27435903	rs36095411	G	T	-0.364	0.023	0.485	5.03E-56	-0.035	0.007	1.24E-07	0.063	248.547	TRUE	1.65E-52
Overall COPD	GSDMD	cg03367493	rs11782753	T	C	0.575	0.034	0.133	1.17E-65	0.013	0.010	0.180	0.073	292.722	TRUE	3.46E-63
Overall COPD	GSDMD	cg03367493	rs11985039	A	G	0.146	0.024	0.418	9.34E-10	-0.002	0.007	0.832	0.010	37.437	TRUE	1.17E-09

Overall COPD	GSDMD	cg03367493	rs12543282	T	C	0.228	0.027	0.239	1.04E-16	-0.010	0.008	0.216	0.018	68.850	TRUE	2.78E-16
Overall COPD	GSDMD	cg03367493	rs12679471	G	T	0.188	0.025	0.348	4.17E-14	-0.011	0.007	0.104	0.015	57.058	TRUE	1.14E-13
Overall COPD	GSDMD	cg03367493	rs12679598	G	A	-0.748	0.031	0.150	3.73E-127	-0.014	0.009	0.106	0.135	575.102	TRUE	1.15E-119
Overall COPD	GSDMD	cg03367493	rs13262652	C	G	0.474	0.059	0.043	1.24E-15	0.014	0.017	0.397	0.017	63.972	TRUE	2.58E-15
Overall COPD	GSDMD	cg03367493	rs13276307	T	C	0.463	0.027	0.248	1.57E-64	0.002	0.010	0.868	0.072	287.550	TRUE	1.24E-62
Overall COPD	GSDMD	cg03367493	rs139312283	T	C	0.693	0.102	0.014	1.10E-11	-0.007	0.024	0.781	0.012	46.110	TRUE	1.51E-11
Overall COPD	GSDMD	cg03367493	rs143355379	T	C	0.871	0.143	0.014	1.01E-09	-0.017	0.029	0.553	0.010	37.287	TRUE	1.46E-09
Overall COPD	GSDMD	cg03367493	rs187530824	G	C	-0.611	0.100	0.010	1.06E-09	0.046	0.029	0.117	0.010	37.189	TRUE	2.18E-09
Overall COPD	GSDMD	cg03367493	rs189980746	A	G	-0.503	0.084	0.023	2.16E-09	-0.023	0.026	0.366	0.010	35.804	TRUE	3.45E-09
Overall COPD	GSDMD	cg03367493	rs2384929	C	T	0.258	0.023	0.496	2.68E-28	-0.002	0.007	0.786	0.032	121.641	TRUE	8.06E-28
Overall COPD	GSDMD	cg03367493	rs35643226	C	A	0.160	0.024	0.452	1.31E-11	0.006	0.007	0.423	0.012	45.770	TRUE	2.22E-11
Overall COPD	GSDMD	cg03367493	rs66470449	C	G	-0.190	0.025	0.307	2.83E-14	-0.009	0.008	0.257	0.015	57.818	TRUE	6.27E-14
Overall COPD	GSDMD	cg03367493	rs72695731	T	C	-0.906	0.140	0.016	9.47E-11	-0.022	0.028	0.426	0.011	41.905	TRUE	1.54E-10
Overall COPD	GSDMD	cg03367493	rs7832515	G	A	-0.193	0.030	0.199	7.44E-11	-0.002	0.009	0.779	0.011	42.376	TRUE	9.92E-11
Overall COPD	GSDMD	cg03367493	rs78856028	A	G	0.179	0.033	0.154	3.89E-08	0.013	0.009	0.163	0.008	30.186	TRUE	6.91E-08
Overall COPD	GSDMD	cg06553843	rs11782442	T	C	0.478	0.034	0.131	2.27E-45	0.012	0.010	0.227	0.051	199.723	TRUE	5.54E-44
Overall COPD	GSDMD	cg06553843	rs144181480	G	A	-0.536	0.092	0.016	6.12E-09	-0.009	0.024	0.698	0.009	33.779	TRUE	7.97E-09
Overall COPD	GSDMD	cg06553843	rs187530824	G	C	-0.771	0.100	0.010	1.66E-14	0.046	0.029	0.117	0.016	58.872	TRUE	4.53E-14
Overall COPD	GSDMD	cg06553843	rs2242088	C	G	0.232	0.026	0.310	1.07E-19	-0.009	0.007	0.210	0.022	82.425	TRUE	3.44E-19
Overall COPD	GSDMD	cg06553843	rs2242093	C	T	-0.709	0.031	0.149	2.19E-112	-0.014	0.009	0.116	0.121	507.253	TRUE	2.52E-106
Overall COPD	GSDMD	cg06553843	rs2278897	A	G	0.166	0.025	0.322	6.72E-11	-0.001	0.008	0.874	0.011	42.576	TRUE	8.54E-11
Overall COPD	GSDMD	cg06553843	rs62524733	G	A	-0.156	0.023	0.458	3.29E-11	-0.005	0.008	0.549	0.012	43.971	TRUE	5.04E-11
Overall COPD	GSDMD	cg06553843	rs66470449	C	G	-0.149	0.025	0.307	2.60E-09	-0.009	0.008	0.257	0.009	35.441	TRUE	4.49E-09
Overall COPD	GSDMD	cg06553843	rs72703742	T	C	0.179	0.033	0.143	4.00E-08	0.002	0.010	0.802	0.008	30.133	TRUE	4.86E-08
Overall COPD	GSDMD	cg07422279	rs12543096	A	G	0.221	0.028	0.206	4.12E-15	-0.002	0.008	0.830	0.016	61.607	TRUE	6.21E-15
Overall COPD	GSDMD	cg07422279	rs141432057	T	C	-0.255	0.040	0.091	2.78E-10	0.017	0.014	0.246	0.011	39.805	TRUE	5.07E-10
Overall COPD	GSDMD	cg07422279	rs1809148	A	G	-0.211	0.036	0.131	4.77E-09	-0.007	0.010	0.446	0.009	34.261	TRUE	7.13E-09
Overall COPD	GSDMD	cg07422279	rs6558369	A	C	0.385	0.024	0.378	2.03E-59	-0.022	0.010	0.030	0.067	264.112	TRUE	5.89E-57
Overall COPD	GSDMD	cg07422279	rs72701718	A	G	0.316	0.058	0.036	3.96E-08	-0.015	0.015	0.317	0.008	30.154	TRUE	6.17E-08
Overall COPD	GSDMD	cg09317036	rs10866914	T	G	-0.247	0.038	0.118	7.24E-11	-0.015	0.016	0.355	0.011	42.429	TRUE	1.24E-10
Overall COPD	GSDMD	cg09317036	rs11787024	C	T	0.147	0.025	0.322	5.91E-09	-0.005	0.008	0.519	0.009	33.845	TRUE	8.44E-09
Overall COPD	GSDMD	cg09317036	rs12547588	G	A	-0.264	0.026	0.265	1.48E-23	0.004	0.008	0.620	0.026	100.000	TRUE	3.88E-23
Overall COPD	GSDMD	cg09317036	rs12681624	G	C	1.025	0.030	0.150	1.09E-255	-0.014	0.009	0.120	0.240	1166.006	TRUE	1.78E-230
Overall COPD	GSDMD	cg09317036	rs141337105	T	G	0.468	0.082	0.018	1.01E-08	-0.013	0.024	0.580	0.009	32.805	TRUE	1.38E-08
Overall COPD	GSDMD	cg09317036	rs144181480	G	A	0.543	0.092	0.016	4.02E-09	-0.009	0.024	0.698	0.009	34.595	TRUE	5.27E-09
Overall COPD	GSDMD	cg09317036	rs187530824	G	C	0.858	0.100	0.010	1.17E-17	0.046	0.029	0.117	0.019	73.161	TRUE	3.89E-17
Overall COPD	GSDMD	cg09317036	rs189980746	A	G	0.578	0.084	0.023	6.37E-12	-0.023	0.026	0.366	0.013	47.187	TRUE	1.14E-11
Overall COPD	GSDMD	cg09317036	rs2060967	T	C	-0.278	0.026	0.296	7.51E-27	0.018	0.013	0.168	0.030	115.031	TRUE	4.19E-26
Overall COPD	GSDMD	cg09317036	rs2384929	C	T	-0.227	0.023	0.496	3.02E-22	-0.002	0.007	0.786	0.025	94.033	TRUE	6.46E-22
Overall COPD	GSDMD	cg09317036	rs34791886	G	A	0.248	0.024	0.453	5.30E-26	0.003	0.007	0.632	0.029	111.160	TRUE	1.58E-25
Overall COPD	GSDMD	cg09317036	rs72691637	A	G	0.188	0.030	0.200	2.16E-10	-0.002	0.009	0.820	0.011	40.291	TRUE	2.78E-10
Overall COPD	GSDMD	cg09317036	rs72695731	T	C	1.027	0.140	0.016	1.90E-13	-0.022	0.028	0.426	0.014	54.073	TRUE	3.48E-13

Overall COPD	GSDMD	cg09317036	rs9644250	T	G	-0.179	0.025	0.349	8.33E-13	-0.002	0.007	0.837	0.014	51.175	TRUE	1.15E-12
Overall COPD	GSDMD	cg10074813	rs13262652	C	G	0.349	0.059	0.043	4.12E-09	0.014	0.017	0.397	0.009	34.545	TRUE	6.37E-09
Overall COPD	GSDMD	cg10074813	rs2242091	A	G	0.503	0.033	0.134	5.97E-51	0.009	0.010	0.347	0.057	225.290	TRUE	2.06E-49
Overall COPD	GSDMD	cg10810860	rs10099546	G	A	-0.467	0.033	0.142	2.17E-45	-0.021	0.012	0.096	0.051	199.813	TRUE	7.76E-44
Overall COPD	GSDMD	cg10810860	rs12543282	T	C	0.699	0.026	0.239	2.43E-155	-0.010	0.008	0.216	0.160	704.634	TRUE	4.88E-145
Overall COPD	GSDMD	cg10810860	rs13276307	T	C	0.380	0.027	0.248	1.64E-43	0.002	0.010	0.868	0.049	191.218	TRUE	1.42E-42
Overall COPD	GSDMD	cg10810860	rs190987773	T	C	0.757	0.074	0.033	1.05E-24	-0.062	0.033	0.060	0.028	105.248	TRUE	6.80E-24
Overall COPD	GSDMD	cg10810860	rs36134466	G	A	0.669	0.086	0.022	8.28E-15	0.000	0.024	0.987	0.016	60.235	TRUE	1.12E-14
Overall COPD	GSDMD	cg10810860	rs4495441	A	G	0.379	0.046	0.071	2.20E-16	-0.023	0.012	0.056	0.018	67.382	TRUE	7.97E-16
Overall COPD	GSDMD	cg10810860	rs60804328	G	C	-0.218	0.024	0.373	4.55E-20	0.000	0.007	0.984	0.022	84.120	TRUE	7.61E-20
Overall COPD	GSDMD	cg10810860	rs6990605	G	A	0.219	0.025	0.325	2.03E-18	0.000	0.008	0.985	0.020	76.624	TRUE	3.15E-18
Overall COPD	GSDMD	cg10810860	rs72703732	A	G	0.524	0.062	0.039	2.64E-17	-0.018	0.020	0.345	0.019	71.561	TRUE	6.26E-17
Overall COPD	GSDMD	cg10810860	rs73715668	C	G	-0.257	0.027	0.247	1.69E-21	0.019	0.008	0.029	0.024	90.631	TRUE	1.02E-20
Overall COPD	GSDMD	cg14721632	rs116668352	A	G	-0.302	0.052	0.059	7.30E-09	0.016	0.015	0.282	0.009	33.434	TRUE	1.21E-08
Overall COPD	GSDMD	cg14721632	rs116692788	T	C	-0.335	0.035	0.131	8.27E-22	0.014	0.010	0.167	0.024	92.042	TRUE	3.26E-21
Overall COPD	GSDMD	cg14721632	rs117126994	A	G	0.566	0.081	0.025	2.19E-12	-0.051	0.023	0.027	0.013	49.282	TRUE	6.90E-12
Overall COPD	GSDMD	cg14721632	rs11776876	T	C	-0.175	0.024	0.418	3.95E-13	0.000	0.007	0.998	0.014	52.639	TRUE	5.04E-13
Overall COPD	GSDMD	cg14721632	rs12544706	C	G	-0.316	0.027	0.241	1.24E-31	0.004	0.008	0.620	0.036	136.869	TRUE	5.42E-31
Overall COPD	GSDMD	cg14721632	rs2272635	T	C	0.268	0.026	0.295	3.30E-25	0.003	0.007	0.661	0.028	107.534	TRUE	9.18E-25
Overall COPD	GSDMD	cg14721632	rs3812445	G	A	0.349	0.034	0.132	1.94E-24	0.017	0.011	0.112	0.027	104.030	TRUE	1.03E-23
Overall COPD	GSDMD	cg14721632	rs383439	G	C	0.442	0.025	0.329	1.07E-70	0.002	0.007	0.771	0.079	315.842	TRUE	2.12E-68
Overall COPD	GSDMD	cg14721632	rs3889129	T	C	0.653	0.023	0.350	1.65E-175	-0.014	0.007	0.051	0.177	797.337	TRUE	3.15E-162
Overall COPD	GSDMD	cg14721632	rs59795540	A	C	-0.320	0.043	0.083	1.24E-13	0.005	0.013	0.694	0.015	54.913	TRUE	1.91E-13
Overall COPD	GSDMD	cg14721632	rs6991129	G	A	-0.187	0.027	0.256	3.19E-12	-0.010	0.008	0.225	0.013	48.545	TRUE	6.56E-12
Overall COPD	GSDMD	cg14721632	rs6994534	T	C	0.137	0.024	0.424	9.86E-09	-0.011	0.007	0.113	0.009	32.850	TRUE	1.93E-08
Overall COPD	GSDMD	cg14721632	rs77893911	T	G	0.236	0.025	0.284	1.98E-20	-0.007	0.008	0.367	0.023	85.762	TRUE	5.48E-20
Overall COPD	GSDMD	cg14721632	rs7819729	G	A	-0.211	0.027	0.256	1.23E-14	0.010	0.008	0.239	0.016	59.460	TRUE	2.83E-14
Overall COPD	GSDMD	cg15172061	rs113025548	T	C	0.759	0.058	0.041	1.31E-39	0.010	0.020	0.611	0.045	173.353	TRUE	1.07E-38
Overall COPD	GSDMD	cg15172061	rs113715729	A	G	0.427	0.066	0.037	8.55E-11	0.010	0.024	0.681	0.011	42.106	TRUE	1.20E-10
Overall COPD	GSDMD	cg15172061	rs113990650	T	C	-0.711	0.031	0.150	5.41E-114	-0.014	0.009	0.103	0.122	514.636	TRUE	9.38E-108
Overall COPD	GSDMD	cg15172061	rs11985039	A	G	0.210	0.024	0.418	1.45E-18	-0.002	0.007	0.832	0.020	77.289	TRUE	2.51E-18
Overall COPD	GSDMD	cg15172061	rs13262652	C	G	0.498	0.059	0.043	4.93E-17	0.014	0.017	0.397	0.019	70.328	TRUE	1.10E-16
Overall COPD	GSDMD	cg15172061	rs141432057	T	C	-0.435	0.040	0.091	4.12E-27	0.017	0.014	0.246	0.030	116.219	TRUE	2.04E-26
Overall COPD	GSDMD	cg15172061	rs144093946	C	T	0.595	0.098	0.014	1.07E-09	0.046	0.027	0.088	0.010	37.175	TRUE	2.32E-09
Overall COPD	GSDMD	cg15172061	rs1532037	C	T	-0.148	0.024	0.401	5.25E-10	-0.005	0.007	0.523	0.010	38.561	TRUE	7.79E-10
Overall COPD	GSDMD	cg15172061	rs189980746	A	G	-0.466	0.084	0.023	3.12E-08	-0.023	0.026	0.366	0.008	30.616	TRUE	4.73E-08
Overall COPD	GSDMD	cg15172061	rs2384929	C	T	0.316	0.023	0.496	7.46E-42	-0.002	0.007	0.786	0.047	183.622	TRUE	6.11E-41
Overall COPD	GSDMD	cg15172061	rs35194198	G	A	-0.187	0.025	0.322	1.32E-13	-0.005	0.008	0.519	0.015	54.799	TRUE	2.27E-13
Overall COPD	GSDMD	cg15172061	rs448340	G	A	0.175	0.024	0.402	1.48E-13	0.003	0.007	0.677	0.015	54.566	TRUE	2.30E-13
Overall COPD	GSDMD	cg15172061	rs58774177	C	T	0.779	0.023	0.334	6.22E-242	0.000	0.007	0.957	0.230	1102.739	TRUE	2.71E-220
Overall COPD	GSDMD	cg15172061	rs61005957	G	T	0.674	0.041	0.087	1.02E-59	0.001	0.014	0.960	0.067	265.476	TRUE	4.08E-58
Overall COPD	GSDMD	cg15172061	rs7812379	T	C	-0.236	0.024	0.477	2.25E-23	0.001	0.007	0.855	0.026	99.172	TRUE	4.85E-23

Overall COPD	GSDMD	cg15172061	rs7834418	T	C	-0.172	0.026	0.283	8.08E-11	0.004	0.008	0.651	0.011	42.216	TRUE	1.15E-10
Overall COPD	GSDMD	cg15172061	rs78856028	A	G	0.190	0.033	0.154	5.46E-09	0.013	0.009	0.163	0.009	34.001	TRUE	1.02E-08
Overall COPD	GSDMD	cg15541193	rs116692788	T	C	-0.200	0.035	0.131	1.03E-08	0.014	0.010	0.167	0.009	32.771	TRUE	1.88E-08
Overall COPD	GSDMD	cg15541193	rs3812445	G	A	0.210	0.034	0.132	8.09E-10	0.017	0.011	0.112	0.010	37.717	TRUE	1.69E-09
Overall COPD	GSDMD	cg15541193	rs383439	G	C	0.241	0.025	0.329	9.98E-22	0.002	0.007	0.771	0.024	91.672	TRUE	2.10E-21
Overall COPD	GSDMD	cg15541193	rs3889129	T	C	0.372	0.024	0.350	3.20E-54	-0.014	0.007	0.051	0.061	240.278	TRUE	3.97E-52
Overall COPD	GSDMD	cg17812120	rs10111556	A	G	0.239	0.025	0.322	1.86E-21	-0.012	0.007	0.110	0.024	90.444	TRUE	8.07E-21
Overall COPD	GSDMD	cg17812120	rs11779477	T	C	-0.170	0.026	0.263	1.22E-10	0.008	0.009	0.344	0.011	41.414	TRUE	2.09E-10
Overall COPD	GSDMD	cg17812120	rs12681624	G	C	-0.637	0.032	0.150	2.09E-90	-0.014	0.009	0.120	0.099	406.309	TRUE	3.53E-86
Overall COPD	GSDMD	cg17812120	rs139312283	T	C	0.709	0.102	0.014	3.57E-12	-0.007	0.024	0.781	0.013	48.321	TRUE	4.97E-12
Overall COPD	GSDMD	cg17812120	rs147034183	A	G	0.636	0.103	0.015	5.96E-10	-0.014	0.030	0.635	0.010	38.315	TRUE	8.29E-10
Overall COPD	GSDMD	cg17812120	rs149005143	T	C	0.466	0.080	0.027	5.63E-09	-0.038	0.023	0.095	0.009	33.940	TRUE	1.15E-08
Overall COPD	GSDMD	cg17812120	rs189980746	A	G	-0.510	0.084	0.023	1.41E-09	-0.023	0.026	0.366	0.010	36.636	TRUE	2.27E-09
Overall COPD	GSDMD	cg17812120	rs28754324	C	A	0.572	0.098	0.012	4.61E-09	-0.020	0.030	0.502	0.009	34.328	TRUE	6.67E-09
Overall COPD	GSDMD	cg17812120	rs35609832	G	C	0.426	0.065	0.033	6.15E-11	0.018	0.018	0.321	0.011	42.748	TRUE	1.09E-10
Overall COPD	GSDMD	cg17812120	rs3750207	G	T	0.727	0.024	0.333	6.50E-207	0.002	0.007	0.771	0.203	941.717	TRUE	1.61E-190
Overall COPD	GSDMD	cg17812120	rs3812445	G	A	0.358	0.034	0.132	1.10E-25	0.017	0.011	0.112	0.029	109.706	TRUE	6.45E-25
Overall COPD	GSDMD	cg17812120	rs4490854	G	A	0.372	0.040	0.087	1.82E-20	0.007	0.013	0.571	0.023	85.929	TRUE	4.19E-20
Overall COPD	GSDMD	cg17812120	rs58858875	A	G	0.305	0.043	0.084	1.50E-12	-0.007	0.012	0.527	0.013	50.024	TRUE	2.46E-12
Overall COPD	GSDMD	cg17812120	rs59610542	G	A	-0.168	0.025	0.334	1.83E-11	-0.004	0.008	0.625	0.012	45.123	TRUE	2.70E-11
Overall COPD	GSDMD	cg17812120	rs62524034	A	G	-0.224	0.032	0.152	1.72E-12	0.000	0.009	0.992	0.013	49.748	TRUE	2.16E-12
Overall COPD	GSDMD	cg17812120	rs72693306	A	G	-0.306	0.053	0.050	7.74E-09	-0.016	0.014	0.243	0.009	33.321	TRUE	1.32E-08
Overall COPD	GSDMD	cg17812120	rs7812379	T	C	-0.306	0.024	0.477	1.34E-38	0.001	0.007	0.855	0.044	168.734	TRUE	7.80E-38
Overall COPD	GSDMD	cg17812120	rs7813970	T	C	-0.458	0.029	0.194	1.12E-56	0.007	0.009	0.423	0.064	251.533	TRUE	6.44E-55
Overall COPD	GSDMD	cg17812120	rs78856028	A	G	0.222	0.033	0.154	1.02E-11	0.013	0.009	0.163	0.012	46.261	TRUE	2.21E-11
Overall COPD	GSDMD	cg17812120	rs9657360	C	T	0.430	0.029	0.206	3.24E-48	-0.004	0.008	0.603	0.054	212.761	TRUE	5.84E-47
Overall COPD	GSDMD	cg18198896	rs116668352	A	G	-0.338	0.052	0.059	9.05E-11	0.016	0.015	0.282	0.011	41.994	TRUE	1.64E-10
Overall COPD	GSDMD	cg18198896	rs116692788	T	C	-0.285	0.035	0.131	3.67E-16	0.014	0.010	0.167	0.018	66.371	TRUE	1.02E-15
Overall COPD	GSDMD	cg18198896	rs12544706	C	G	-0.253	0.027	0.241	1.24E-20	0.004	0.008	0.620	0.023	86.694	TRUE	2.76E-20
Overall COPD	GSDMD	cg18198896	rs374534	G	C	0.247	0.026	0.262	2.77E-21	-0.015	0.008	0.054	0.024	89.654	TRUE	1.43E-20
Overall COPD	GSDMD	cg18198896	rs383439	G	C	0.199	0.025	0.329	3.08E-15	0.002	0.007	0.771	0.017	62.181	TRUE	4.83E-15
Overall COPD	GSDMD	cg18198896	rs3889129	T	C	0.586	0.023	0.350	2.22E-138	-0.014	0.007	0.051	0.145	626.682	TRUE	1.62E-129
Overall COPD	GSDMD	cg18198896	rs72701718	A	G	0.451	0.058	0.036	4.96E-15	-0.015	0.015	0.317	0.016	61.244	TRUE	1.08E-14
Overall COPD	GSDMD	cg18198896	rs74528256	T	C	-0.187	0.032	0.162	9.09E-09	0.006	0.009	0.506	0.009	33.010	TRUE	1.30E-08
Overall COPD	GSDMD	cg18198896	rs77893911	T	G	0.330	0.025	0.284	7.36E-39	-0.007	0.008	0.367	0.044	169.918	TRUE	7.64E-38
Overall COPD	GSDMD	cg20583945	rs10099134	C	T	-0.224	0.028	0.236	1.20E-15	0.005	0.008	0.506	0.017	64.031	TRUE	2.29E-15
Overall COPD	GSDMD	cg20583945	rs11136325	G	A	0.137	0.024	0.406	1.12E-08	-0.004	0.007	0.582	0.009	32.609	TRUE	1.53E-08
Overall COPD	GSDMD	cg20583945	rs112484283	C	A	-0.576	0.063	0.040	6.66E-20	0.010	0.018	0.604	0.022	83.368	TRUE	1.45E-19
Overall COPD	GSDMD	cg20583945	rs11776876	T	C	-0.188	0.024	0.418	6.25E-15	0.000	0.007	0.998	0.016	60.789	TRUE	8.45E-15
Overall COPD	GSDMD	cg20583945	rs11986259	A	G	-0.399	0.028	0.221	6.15E-45	-0.013	0.008	0.111	0.051	197.744	TRUE	1.97E-43
Overall COPD	GSDMD	cg20583945	rs12545739	T	C	-0.157	0.027	0.245	9.78E-09	0.001	0.008	0.911	0.009	32.867	TRUE	1.15E-08
Overall COPD	GSDMD	cg20583945	rs141337105	T	G	0.781	0.081	0.018	9.73E-22	-0.013	0.024	0.580	0.024	91.721	TRUE	2.38E-21

Overall COPD	GSDMD	cg20583945	rs1487888	T	C	1.440	0.022	0.148	<1E-200	-0.013	0.009	0.151	0.536	4270.809	TRUE	<1E-200
Overall COPD	GSDMD	cg20583945	rs1532037	C	T	0.269	0.024	0.401	4.74E-30	-0.005	0.007	0.523	0.034	129.640	TRUE	2.05E-29
Overall COPD	GSDMD	cg20583945	rs187530824	G	C	0.886	0.100	0.010	9.85E-19	0.046	0.029	0.117	0.021	78.048	TRUE	3.51E-18
Overall COPD	GSDMD	cg20583945	rs189980746	A	G	0.808	0.084	0.023	5.48E-22	-0.023	0.026	0.366	0.024	92.859	TRUE	1.66E-21
Overall COPD	GSDMD	cg20583945	rs2060967	T	C	-0.636	0.025	0.296	3.17E-142	0.018	0.013	0.168	0.148	644.357	TRUE	2.60E-133
Overall COPD	GSDMD	cg20583945	rs4873795	T	A	-0.316	0.037	0.102	2.21E-17	-0.002	0.010	0.880	0.019	71.911	TRUE	3.52E-17
Overall COPD	GSDMD	cg20583945	rs55994096	T	G	0.339	0.024	0.374	9.52E-47	0.000	0.007	0.946	0.053	206.035	TRUE	1.02E-45
Overall COPD	GSDMD	cg20583945	rs56184499	A	G	0.275	0.026	0.293	3.26E-26	0.001	0.007	0.899	0.029	112.123	TRUE	7.90E-26
Overall COPD	GSDMD	cg20583945	rs56186625	T	C	0.597	0.055	0.055	3.52E-27	-0.008	0.016	0.634	0.031	116.533	TRUE	1.13E-26
Overall COPD	GSDMD	cg20583945	rs6558383	C	T	-0.257	0.034	0.146	5.09E-14	-0.013	0.010	0.182	0.015	56.662	TRUE	1.22E-13
Overall COPD	GSDMD	cg20583945	rs6987719	T	C	-0.220	0.031	0.169	1.74E-12	0.008	0.010	0.391	0.013	49.726	TRUE	3.14E-12
Overall COPD	GSDMD	cg20583945	rs7460860	T	C	0.182	0.024	0.395	5.64E-14	-0.002	0.007	0.721	0.015	56.462	TRUE	8.68E-14
Overall COPD	GSDMD	cg20583945	rs7833564	A	G	0.144	0.024	0.477	1.17E-09	0.001	0.007	0.836	0.010	37.002	TRUE	1.46E-09
Overall COPD	GSDMD	cg20583945	rs896960	C	G	0.195	0.034	0.134	8.66E-09	-0.012	0.013	0.384	0.009	33.103	TRUE	1.33E-08
Overall COPD	GSDMD	cg22012530	rs118062821	T	A	-0.521	0.093	0.019	1.76E-08	0.000	0.023	0.987	0.009	31.729	TRUE	1.99E-08
Overall COPD	GSDMD	cg22012530	rs118076041	A	G	0.728	0.130	0.015	2.06E-08	-0.026	0.031	0.393	0.008	31.418	TRUE	3.10E-08
Overall COPD	GSDMD	cg22012530	rs13254352	A	C	-0.254	0.028	0.245	4.91E-20	0.006	0.008	0.473	0.022	83.972	TRUE	1.20E-19
Overall COPD	GSDMD	cg22012530	rs13267937	G	C	-0.235	0.027	0.256	9.70E-18	-0.010	0.008	0.239	0.019	73.532	TRUE	2.66E-17
Overall COPD	GSDMD	cg22012530	rs13274480	T	C	-0.178	0.024	0.420	1.27E-13	0.000	0.007	0.965	0.015	54.863	TRUE	1.68E-13
Overall COPD	GSDMD	cg22012530	rs2060967	T	C	-0.400	0.026	0.296	2.03E-54	0.018	0.013	0.168	0.061	241.189	TRUE	1.52E-52
Overall COPD	GSDMD	cg22012530	rs2278897	A	G	0.259	0.025	0.322	1.34E-24	-0.001	0.008	0.874	0.028	104.760	TRUE	3.03E-24
Overall COPD	GSDMD	cg22012530	rs4873795	T	A	-0.223	0.037	0.102	2.27E-09	-0.002	0.010	0.880	0.010	35.708	TRUE	2.75E-09
Overall COPD	GSDMD	cg22012530	rs59795540	A	C	-0.343	0.043	0.083	2.23E-15	0.005	0.013	0.694	0.017	62.820	TRUE	3.69E-15
Overall COPD	GSDMD	cg22012530	rs6991129	G	A	-0.216	0.027	0.256	1.07E-15	-0.010	0.008	0.225	0.017	64.256	TRUE	2.67E-15
Overall COPD	GSDMD	cg22012530	rs6991958	T	C	0.776	0.028	0.200	1.15E-171	-0.007	0.008	0.382	0.174	779.663	TRUE	1.25E-159
Overall COPD	GSDMD	cg22012530	rs72701716	A	G	0.274	0.026	0.293	4.64E-26	0.004	0.007	0.596	0.029	111.422	TRUE	1.44E-25
Overall COPD	GSDMD	cg22312904	rs113025548	T	C	0.652	0.058	0.041	1.19E-29	0.010	0.020	0.611	0.033	127.816	TRUE	4.57E-29
Overall COPD	GSDMD	cg22312904	rs12681624	G	C	-0.546	0.032	0.150	2.19E-66	-0.014	0.009	0.120	0.074	296.064	TRUE	8.85E-64
Overall COPD	GSDMD	cg22312904	rs13262652	C	G	0.343	0.059	0.043	7.09E-09	0.014	0.017	0.397	0.009	33.491	TRUE	1.08E-08
Overall COPD	GSDMD	cg22312904	rs144093946	C	T	0.535	0.097	0.014	3.80E-08	0.046	0.027	0.088	0.008	30.234	TRUE	7.48E-08
Overall COPD	GSDMD	cg22312904	rs1532038	A	G	-0.292	0.043	0.079	8.60E-12	0.040	0.014	0.004	0.012	46.599	TRUE	3.42E-11
Overall COPD	GSDMD	cg22312904	rs2004099	G	T	0.156	0.024	0.405	6.73E-11	0.004	0.007	0.597	0.011	42.573	TRUE	9.90E-11
Overall COPD	GSDMD	cg22312904	rs448340	G	A	0.170	0.024	0.402	5.32E-13	0.003	0.007	0.677	0.014	52.055	TRUE	8.09E-13
Overall COPD	GSDMD	cg22312904	rs4874171	C	T	0.258	0.024	0.375	4.32E-27	-0.008	0.007	0.291	0.030	116.128	TRUE	1.99E-26
Overall COPD	GSDMD	cg22312904	rs58472315	G	A	0.589	0.042	0.089	9.82E-46	0.003	0.012	0.824	0.052	201.393	TRUE	1.09E-44
Overall COPD	GSDMD	cg22312904	rs59610542	G	A	-0.146	0.025	0.334	4.60E-09	-0.004	0.008	0.625	0.009	34.334	TRUE	6.24E-09
Overall COPD	GSDMD	cg22312904	rs964195	C	T	0.593	0.024	0.334	2.11E-132	0.002	0.007	0.771	0.139	599.216	TRUE	3.40E-125
Overall COPD	GSDMD	cg22995724	rs113715729	A	G	0.366	0.066	0.037	2.70E-08	0.010	0.024	0.681	0.008	30.894	TRUE	3.48E-08
Overall COPD	GSDMD	cg22995724	rs11782442	T	C	0.859	0.033	0.131	3.57E-152	0.012	0.010	0.227	0.157	690.074	TRUE	2.95E-142
Overall COPD	GSDMD	cg22995724	rs12680498	A	G	0.188	0.024	0.448	1.67E-15	0.006	0.007	0.398	0.017	63.380	TRUE	3.46E-15
Overall COPD	GSDMD	cg22995724	rs12681624	G	C	-0.921	0.031	0.150	3.91E-200	-0.014	0.009	0.120	0.198	910.549	TRUE	9.10E-184
Overall COPD	GSDMD	cg22995724	rs139312283	T	C	0.799	0.102	0.014	4.23E-15	-0.007	0.024	0.781	0.016	61.556	TRUE	6.56E-15

Overall COPD	GSDMD	cg22995724	rs189980746	A	G	-0.649	0.084	0.023	1.23E-14	-0.023	0.026	0.366	0.016	59.456	TRUE	2.50E-14
Overall COPD	GSDMD	cg22995724	rs35194198	G	A	-0.148	0.025	0.322	4.77E-09	-0.005	0.008	0.519	0.009	34.264	TRUE	6.83E-09
Overall COPD	GSDMD	cg22995724	rs3750204	A	G	0.226	0.028	0.233	7.54E-16	-0.004	0.008	0.616	0.017	64.951	TRUE	1.34E-15
Overall COPD	GSDMD	cg22995724	rs4242490	A	C	0.259	0.026	0.264	1.24E-22	0.017	0.008	0.029	0.025	95.797	TRUE	8.22E-22
Overall COPD	GSDMD	cg22995724	rs4874147	T	C	0.166	0.026	0.269	2.65E-10	-0.007	0.008	0.350	0.011	39.899	TRUE	4.44E-10
Overall COPD	GSDMD	cg22995724	rs4874150	G	A	-0.208	0.026	0.275	1.70E-15	0.019	0.008	0.017	0.017	63.355	TRUE	7.25E-15
Overall COPD	GSDMD	cg22995724	rs59795540	A	C	0.412	0.043	0.083	1.33E-21	0.005	0.013	0.694	0.024	91.106	TRUE	2.95E-21
Overall COPD	GSDMD	cg22995724	rs62524034	A	G	-0.177	0.032	0.152	2.75E-08	0.000	0.009	0.992	0.008	30.863	TRUE	3.09E-08
Overall COPD	GSDMD	cg22995724	rs72691637	A	G	-0.218	0.030	0.200	2.13E-13	-0.002	0.009	0.820	0.014	53.855	TRUE	3.02E-13
Overall COPD	GSDMD	cg22995724	rs72695731	T	C	-0.905	0.140	0.016	1.01E-10	-0.022	0.028	0.426	0.011	41.785	TRUE	1.63E-10
Overall COPD	GSDMD	cg22995724	rs78856028	A	G	0.205	0.033	0.154	3.14E-10	0.013	0.009	0.163	0.011	39.565	TRUE	6.25E-10
Overall COPD	GSDMD	cg22995724	rs872935	G	A	0.431	0.024	0.372	1.18E-69	-0.003	0.007	0.672	0.078	311.066	TRUE	2.33E-67
Overall COPD	GSDMD	cg22995724	rs923326	G	C	0.182	0.024	0.397	3.66E-14	-0.004	0.007	0.597	0.015	57.312	TRUE	6.13E-14
Overall COPD	GSDMD	cg26173173	rs113990650	T	C	-0.201	0.032	0.150	3.16E-10	-0.014	0.009	0.103	0.011	39.551	TRUE	6.87E-10
Overall COPD	GSDMD	cg26173173	rs11551200	T	C	-0.551	0.068	0.028	6.80E-16	-0.016	0.020	0.421	0.017	65.156	TRUE	1.40E-15
Overall COPD	GSK3B	cg14479617	rs114741212	A	G	0.509	0.086	0.020	3.55E-09	-0.004	0.021	0.848	0.009	34.837	TRUE	4.35E-09
Overall COPD	GSK3B	cg14479617	rs2037547	T	C	0.585	0.028	0.204	5.00E-94	-0.025	0.009	0.003	0.103	422.936	TRUE	8.43E-89
Overall COPD	GSK3B	cg14479617	rs2461823	T	C	0.155	0.024	0.375	1.61E-10	0.003	0.007	0.641	0.011	40.863	TRUE	2.29E-10
Overall COPD	GSK3B	cg14479617	rs6797459	T	C	-0.471	0.029	0.190	9.32E-58	0.009	0.008	0.290	0.065	256.490	TRUE	7.71E-56
Overall COPD	GSK3B	cg14479617	rs72954800	T	C	-0.275	0.039	0.096	2.15E-12	0.019	0.011	0.093	0.013	49.316	TRUE	5.43E-12
Overall COPD	GSK3B	cg14479617	rs73192055	A	G	0.597	0.080	0.021	8.04E-14	-0.032	0.022	0.145	0.015	55.766	TRUE	2.01E-13
Overall COPD	GSK3B	cg14479617	rs78171547	A	G	-0.407	0.059	0.042	3.96E-12	-0.014	0.016	0.371	0.013	48.118	TRUE	7.11E-12
Overall COPD	GSTP1	cg05244766	rs117303800	T	A	-0.170	0.028	0.218	1.47E-09	-0.011	0.008	0.166	0.010	36.549	TRUE	2.82E-09
Overall COPD	GSTP1	cg05244766	rs1254125	G	A	0.276	0.044	0.070	2.63E-10	0.000	0.011	0.981	0.011	39.906	TRUE	3.13E-10
Overall COPD	GSTP1	cg05244766	rs72932599	C	G	-0.226	0.041	0.087	2.78E-08	-0.015	0.013	0.250	0.008	30.838	TRUE	4.59E-08
Overall COPD	GSTP1	cg05244766	rs72932799	T	C	-0.259	0.043	0.075	2.79E-09	0.000	0.013	0.992	0.009	35.307	TRUE	3.21E-09
Overall COPD	GSTP1	cg05244766	rs7941648	T	C	-0.371	0.023	0.443	9.49E-59	-0.015	0.007	0.028	0.066	261.040	TRUE	2.59E-56
Overall COPD	GSTP1	cg06928838	rs4930436	A	G	0.303	0.023	0.448	1.45E-39	-0.017	0.007	0.013	0.045	173.141	TRUE	5.45E-38
Overall COPD	GSTP1	cg09038676	rs113663779	G	A	0.159	0.026	0.303	8.50E-10	-0.001	0.007	0.844	0.010	37.622	TRUE	1.06E-09
Overall COPD	GSTP1	cg09038676	rs36051467	T	C	0.338	0.052	0.058	6.86E-11	-0.020	0.018	0.254	0.011	42.536	TRUE	1.28E-10
Overall COPD	GSTP1	cg09038676	rs4930436	A	G	0.490	0.023	0.448	1.54E-102	-0.017	0.007	0.013	0.111	462.023	TRUE	7.66E-97
Overall COPD	GSTP1	cg09038676	rs55657661	T	C	0.324	0.044	0.079	1.09E-13	0.000	0.013	0.992	0.015	55.169	TRUE	1.42E-13
Overall COPD	GSTP1	cg09038676	rs72932599	C	G	0.235	0.041	0.087	9.71E-09	-0.015	0.013	0.250	0.009	32.880	TRUE	1.64E-08
Overall COPD	GSTP1	cg09038676	rs78144798	A	G	0.157	0.028	0.217	3.14E-08	-0.011	0.008	0.189	0.008	30.604	TRUE	5.45E-08
Overall COPD	GSTP1	cg09038676	rs7940103	A	T	0.350	0.046	0.067	4.35E-14	-0.022	0.013	0.090	0.015	56.975	TRUE	1.23E-13
Overall COPD	GSTP1	cg11566244	rs10896216	G	A	0.183	0.024	0.461	8.88E-15	0.003	0.007	0.647	0.016	60.097	TRUE	1.48E-14
Overall COPD	GSTP1	cg11566244	rs113663779	G	A	0.165	0.026	0.303	2.06E-10	-0.001	0.007	0.844	0.011	40.387	TRUE	2.62E-10
Overall COPD	GSTP1	cg11566244	rs12807979	C	A	-0.224	0.039	0.092	1.12E-08	0.007	0.012	0.569	0.009	32.603	TRUE	1.54E-08
Overall COPD	GSTP1	cg11566244	rs138770192	C	T	0.360	0.044	0.079	4.34E-16	0.002	0.014	0.885	0.018	66.038	TRUE	6.56E-16
Overall COPD	GSTP1	cg11566244	rs36051467	T	C	0.472	0.052	0.058	9.07E-20	-0.020	0.018	0.254	0.022	82.758	TRUE	2.75E-19
Overall COPD	GSTP1	cg11566244	rs4930436	A	G	0.743	0.021	0.448	4.20E-285	-0.017	0.007	0.013	0.260	1301.274	TRUE	1.01E-253
Overall COPD	GSTP1	cg11566244	rs55657661	T	C	0.436	0.044	0.079	2.14E-23	0.000	0.013	0.992	0.026	99.277	TRUE	4.15E-23

Overall COPD	GSTP1	cg11566244	rs604232	T	C	-0.320	0.044	0.071	4.12E-13	-0.001	0.011	0.923	0.014	52.555	TRUE	5.48E-13
Overall COPD	GSTP1	cg11566244	rs7106145	C	G	-0.258	0.039	0.105	2.79E-11	-0.009	0.010	0.357	0.012	44.292	TRUE	4.88E-11
Overall COPD	GSTP1	cg11566244	rs72932599	C	G	0.330	0.041	0.087	1.05E-15	-0.015	0.013	0.250	0.017	64.294	TRUE	2.54E-15
Overall COPD	GSTP1	cg11566244	rs78144798	A	G	0.257	0.028	0.217	1.83E-19	-0.011	0.008	0.189	0.022	81.375	TRUE	5.95E-19
Overall COPD	GSTP1	cg11566244	rs7940103	A	T	0.541	0.046	0.067	1.73E-31	-0.022	0.013	0.090	0.036	136.213	TRUE	1.71E-30
Overall COPD	GSTP1	cg14921275	rs10791902	T	C	0.215	0.037	0.443	4.33E-09	0.005	0.007	0.488	0.009	34.452	TRUE	6.32E-09
Overall COPD	GSTP1	cg14921275	rs10896181	T	C	-0.312	0.023	0.445	9.54E-42	-0.016	0.007	0.020	0.047	183.134	TRUE	3.99E-40
Overall COPD	GSTP1	cg14921275	rs2447587	T	C	-0.256	0.045	0.070	9.13E-09	0.017	0.016	0.277	0.009	33.000	TRUE	1.51E-08
Overall COPD	GSTP1	cg14921275	rs688878	G	A	0.260	0.044	0.070	2.39E-09	0.003	0.011	0.796	0.010	35.605	TRUE	3.02E-09
Overall COPD	GSTP1	cg19114214	rs117216574	T	C	-0.285	0.044	0.078	5.59E-11	0.001	0.013	0.937	0.011	42.936	TRUE	6.90E-11
Overall COPD	GSTP1	cg19114214	rs656652	T	C	0.356	0.023	0.484	4.02E-53	0.015	0.007	0.029	0.060	235.243	TRUE	5.36E-51
Overall COPD	GSTP1	cg19114214	rs694616	A	C	-0.317	0.045	0.069	1.22E-12	-0.001	0.012	0.927	0.013	50.427	TRUE	1.59E-12
Overall COPD	GSTP1	cg19114214	rs78144798	A	G	-0.182	0.028	0.217	1.57E-10	-0.011	0.008	0.189	0.011	40.917	TRUE	3.08E-10
Overall COPD	GSTP1	cg23725454	rs10896216	G	A	-0.156	0.024	0.461	4.06E-11	0.003	0.007	0.647	0.012	43.560	TRUE	5.86E-11
Overall COPD	GSTP1	cg23725454	rs111451035	C	T	-0.244	0.036	0.123	2.17E-11	-0.007	0.010	0.485	0.012	44.790	TRUE	3.48E-11
Overall COPD	GSTP1	cg23725454	rs117125310	A	G	0.384	0.056	0.044	5.64E-12	-0.005	0.016	0.774	0.013	47.426	TRUE	7.82E-12
Overall COPD	GSTP1	cg23725454	rs143768760	T	C	-0.592	0.089	0.017	3.59E-11	-0.047	0.025	0.061	0.012	43.804	TRUE	9.09E-11
Overall COPD	GSTP1	cg23725454	rs2514047	T	A	-0.221	0.025	0.372	1.94E-19	0.003	0.007	0.636	0.021	81.257	TRUE	4.02E-19
Overall COPD	GSTP1	cg23725454	rs34775878	A	G	0.219	0.039	0.092	1.86E-08	0.008	0.012	0.529	0.008	31.618	TRUE	2.59E-08
Overall COPD	GSTP1	cg23725454	rs36051467	T	C	-0.433	0.052	0.058	7.21E-17	-0.020	0.018	0.254	0.018	69.577	TRUE	1.85E-16
Overall COPD	GSTP1	cg23725454	rs56031100	A	G	-0.356	0.039	0.103	2.37E-20	-0.024	0.011	0.031	0.023	85.413	TRUE	1.30E-19
Overall COPD	GSTP1	cg23725454	rs567957077	T	C	-0.417	0.058	0.043	4.46E-13	-0.014	0.023	0.541	0.014	52.403	TRUE	7.40E-13
Overall COPD	GSTP1	cg23725454	rs574283320	C	T	0.555	0.092	0.017	1.37E-09	-0.052	0.036	0.146	0.010	36.695	TRUE	2.69E-09
Overall COPD	GSTP1	cg23725454	rs59566349	T	A	-0.291	0.031	0.170	9.34E-21	-0.008	0.016	0.622	0.023	87.250	TRUE	2.09E-20
Overall COPD	GSTP1	cg23725454	rs608248	C	T	0.238	0.024	0.389	3.16E-23	-0.003	0.007	0.630	0.026	98.501	TRUE	8.06E-23
Overall COPD	GSTP1	cg23725454	rs684928	A	G	0.772	0.020	0.482	<1E-200	0.016	0.007	0.018	0.285	1474.119	TRUE	6.61E-284
Overall COPD	GSTP1	cg23725454	rs72932730	A	G	-0.433	0.031	0.165	2.02E-45	-0.009	0.009	0.362	0.051	199.954	TRUE	3.87E-44
Overall COPD	GSTP1	cg23725454	rs7932636	G	A	-0.276	0.039	0.100	2.07E-12	-0.026	0.012	0.029	0.013	49.389	TRUE	6.47E-12
Overall COPD	GSTP1	cg23725454	rs79576315	T	C	0.416	0.060	0.079	2.95E-12	0.028	0.015	0.064	0.013	48.697	TRUE	7.94E-12
Overall COPD	GSTP1	cg25135322	rs10896216	G	A	-0.129	0.024	0.461	4.91E-08	0.003	0.007	0.647	0.008	29.735	TRUE	6.37E-08
Overall COPD	GSTP1	cg25135322	rs111451035	C	T	-0.272	0.036	0.123	9.19E-14	-0.007	0.010	0.485	0.015	55.503	TRUE	1.63E-13
Overall COPD	GSTP1	cg25135322	rs1127145	A	G	-0.233	0.031	0.169	7.99E-14	-0.008	0.009	0.396	0.015	55.778	TRUE	1.52E-13
Overall COPD	GSTP1	cg25135322	rs113663779	G	A	-0.213	0.026	0.303	1.87E-16	-0.001	0.007	0.844	0.018	67.700	TRUE	2.94E-16
Overall COPD	GSTP1	cg25135322	rs11603033	G	A	-0.180	0.031	0.180	3.80E-09	-0.003	0.009	0.725	0.009	34.704	TRUE	4.93E-09
Overall COPD	GSTP1	cg25135322	rs117125310	A	G	0.327	0.056	0.044	4.78E-09	-0.005	0.016	0.774	0.009	34.258	TRUE	6.03E-09
Overall COPD	GSTP1	cg25135322	rs12795957	A	G	-0.418	0.050	0.059	1.23E-16	-0.020	0.018	0.254	0.018	68.518	TRUE	3.12E-16
Overall COPD	GSTP1	cg25135322	rs12807979	C	A	0.215	0.039	0.092	4.14E-08	0.007	0.012	0.569	0.008	30.065	TRUE	5.59E-08
Overall COPD	GSTP1	cg25135322	rs143510168	A	G	0.779	0.143	0.014	4.77E-08	-0.013	0.044	0.776	0.008	29.793	TRUE	5.84E-08
Overall COPD	GSTP1	cg25135322	rs366136	G	A	-0.361	0.060	0.039	1.31E-09	-0.007	0.024	0.757	0.010	36.777	TRUE	1.70E-09
Overall COPD	GSTP1	cg25135322	rs56031100	A	G	-0.285	0.039	0.103	1.39E-13	-0.024	0.011	0.031	0.015	54.688	TRUE	4.67E-13
Overall COPD	GSTP1	cg25135322	rs608248	C	T	0.211	0.024	0.389	1.47E-18	-0.003	0.007	0.630	0.020	77.251	TRUE	2.94E-18
Overall COPD	GSTP1	cg25135322	rs612162	A	G	-0.273	0.045	0.068	1.16E-09	-0.002	0.012	0.849	0.010	37.013	TRUE	1.44E-09

Overall COPD	GSTP1	cg25135322	rs72932730	A	G	-0.359	0.031	0.165	1.22E-31	-0.009	0.009	0.362	0.036	136.901	TRUE	7.12E-31
Overall COPD	GSTP1	cg25135322	rs7932636	G	A	-0.239	0.039	0.100	1.07E-09	-0.026	0.012	0.029	0.010	37.179	TRUE	2.75E-09
Overall COPD	GSTP1	cg25866895	rs10896216	G	A	-0.227	0.024	0.461	4.85E-22	0.003	0.007	0.647	0.025	93.100	TRUE	1.14E-21
Overall COPD	GSTP1	cg25866895	rs11227793	T	C	-0.825	0.020	0.430	<1E-200	-0.013	0.009	0.152	0.307	1638.021	TRUE	<1E-200
Overall COPD	GSTP1	cg25866895	rs117303800	T	A	-0.401	0.028	0.218	8.25E-46	-0.011	0.008	0.166	0.052	201.740	TRUE	2.43E-44
Overall COPD	GSTP1	cg25866895	rs11820792	T	G	-0.574	0.029	0.201	1.49E-87	-0.008	0.009	0.381	0.096	393.203	TRUE	7.05E-84
Overall COPD	GSTP1	cg25866895	rs12795957	A	G	-0.570	0.050	0.059	9.72E-30	-0.020	0.018	0.254	0.034	128.217	TRUE	5.75E-29
Overall COPD	GSTP1	cg25866895	rs12807979	C	A	0.333	0.039	0.092	1.95E-17	0.007	0.012	0.569	0.019	72.152	TRUE	3.86E-17
Overall COPD	GSTP1	cg25866895	rs139324001	A	G	-0.514	0.081	0.027	2.28E-10	-0.052	0.022	0.016	0.011	40.186	TRUE	6.72E-10
Overall COPD	GSTP1	cg25866895	rs140823225	A	G	-0.473	0.051	0.056	1.33E-20	0.002	0.015	0.893	0.023	86.553	TRUE	2.42E-20
Overall COPD	GSTP1	cg25866895	rs2514025	C	T	-0.304	0.024	0.426	1.12E-37	-0.003	0.007	0.658	0.043	164.509	TRUE	7.41E-37
Overall COPD	GSTP1	cg25866895	rs34270544	A	G	0.694	0.094	0.015	1.32E-13	-0.022	0.030	0.464	0.015	54.786	TRUE	2.37E-13
Overall COPD	GSTP1	cg25866895	rs4244818	C	T	-0.201	0.032	0.149	2.89E-10	-0.009	0.009	0.337	0.011	39.727	TRUE	4.89E-10
Overall COPD	GSTP1	cg25866895	rs72932599	C	G	-0.548	0.041	0.087	5.44E-41	-0.015	0.013	0.250	0.046	179.671	TRUE	8.30E-40
Overall COPD	GSTP1	cg25866895	rs74835571	C	T	0.430	0.061	0.036	2.22E-12	-0.004	0.019	0.839	0.013	49.257	TRUE	3.01E-12
Overall COPD	GSTP1	cg25866895	rs79576315	T	C	0.612	0.059	0.079	4.38E-25	0.028	0.015	0.064	0.028	106.975	TRUE	2.88E-24
Overall COPD	GZMB	cg03875678	rs10483287	C	T	0.224	0.040	0.098	2.19E-08	0.010	0.011	0.354	0.008	31.302	TRUE	3.37E-08
Overall COPD	GZMB	cg03875678	rs12896123	A	G	0.225	0.023	0.470	1.16E-21	0.003	0.007	0.681	0.024	91.371	TRUE	2.61E-21
Overall COPD	GZMB	cg03875678	rs2273843	C	T	0.629	0.036	0.118	3.53E-68	-0.006	0.010	0.559	0.076	304.290	TRUE	6.77E-66
Overall COPD	GZMB	cg08766149	rs2273843	C	T	0.312	0.037	0.118	1.46E-17	-0.006	0.010	0.559	0.019	72.727	TRUE	2.93E-17
Overall COPD	GZMB	cg08766149	rs8004747	A	T	-0.218	0.024	0.389	1.93E-20	0.005	0.008	0.507	0.023	85.817	TRUE	4.68E-20
Overall COPD	GZMB	cg16212145	rs7144366	T	C	0.277	0.024	0.398	1.59E-31	0.005	0.007	0.498	0.036	136.380	TRUE	7.81E-31
Overall COPD	GZMB	cg16212145	rs72681022	G	A	-0.216	0.036	0.115	1.52E-09	0.002	0.011	0.870	0.010	36.491	TRUE	1.86E-09
Overall COPD	GZMB	cg18118198	rs1951594	C	A	0.189	0.025	0.324	9.10E-14	-0.003	0.007	0.712	0.015	55.523	TRUE	1.40E-13
Overall COPD	GZMB	cg18118198	rs2236337	C	T	-0.571	0.028	0.231	5.40E-94	-0.018	0.009	0.037	0.103	422.780	TRUE	3.26E-89
Overall COPD	GZMB	cg18118198	rs3742520	A	C	-0.149	0.023	0.446	1.85E-10	0.009	0.007	0.177	0.011	40.597	TRUE	3.67E-10
Overall COPD	GZMB	cg18118198	rs5250	A	G	-0.310	0.036	0.123	1.26E-17	0.011	0.010	0.277	0.019	73.009	TRUE	3.29E-17
Overall COPD	GZMB	cg18118198	rs61978977	A	C	0.155	0.028	0.222	2.03E-08	0.001	0.009	0.869	0.008	31.448	TRUE	2.41E-08
Overall COPD	GZMB	cg18118198	rs72681050	G	A	-0.681	0.094	0.022	3.94E-13	-0.027	0.022	0.214	0.014	52.644	TRUE	8.63E-13
Overall COPD	HIPK2	cg00363312	rs10247507	A	G	0.230	0.034	0.140	1.18E-11	-0.008	0.010	0.385	0.012	45.973	TRUE	2.06E-11
Overall COPD	HIPK2	cg00363312	rs10954651	G	T	-0.353	0.034	0.335	9.22E-26	-0.001	0.008	0.910	0.029	110.062	TRUE	2.16E-25
Overall COPD	HIPK2	cg00363312	rs7781224	G	T	0.198	0.032	0.165	7.97E-10	0.000	0.009	0.976	0.010	37.748	TRUE	9.36E-10
Overall COPD	HIPK2	cg01581050	rs74531640	G	A	-0.733	0.100	0.016	2.33E-13	-0.002	0.028	0.934	0.014	53.674	TRUE	3.10E-13
Overall COPD	HIPK2	cg03224163	rs1860509	G	T	-0.183	0.030	0.184	7.81E-10	0.007	0.009	0.422	0.010	37.787	TRUE	1.22E-09
Overall COPD	HIPK2	cg03369382	rs11769961	C	A	-0.164	0.030	0.190	4.35E-08	0.005	0.009	0.588	0.008	29.972	TRUE	5.81E-08
Overall COPD	HIPK2	cg03520802	rs193076588	G	C	-0.536	0.085	0.020	2.61E-10	0.002	0.027	0.928	0.011	39.925	TRUE	3.18E-10
Overall COPD	HIPK2	cg03520802	rs73156837	A	G	-1.758	0.098	0.017	1.17E-71	0.007	0.028	0.806	0.080	320.261	TRUE	2.51E-69
Overall COPD	HIPK2	cg11032313	rs4074827	A	G	-0.401	0.031	0.162	7.58E-38	0.008	0.009	0.387	0.043	165.285	TRUE	7.00E-37
Overall COPD	HIPK2	cg11627968	rs10247507	A	G	-1.225	0.027	0.140	<1E-200	-0.008	0.010	0.385	0.353	2022.154	TRUE	<1E-200
Overall COPD	HIPK2	cg11627968	rs10954651	G	T	0.242	0.034	0.335	1.15E-12	-0.001	0.008	0.910	0.013	50.543	TRUE	1.52E-12
Overall COPD	HIPK2	cg11627968	rs113802739	G	T	-1.091	0.177	0.011	7.84E-10	-0.063	0.024	0.009	0.010	37.780	TRUE	2.40E-09
Overall COPD	HIPK2	cg11627968	rs185429996	A	G	-1.091	0.095	0.027	9.60E-31	-0.038	0.019	0.049	0.035	132.810	TRUE	1.07E-29

Overall COPD	HIPK2	cg11627968	rs2530731	C	G	-0.217	0.027	0.238	4.71E-16	-0.004	0.008	0.620	0.017	65.879	TRUE	8.43E-16
Overall COPD	HIPK2	cg11627968	rs4725857	T	C	0.182	0.023	0.477	6.08E-15	-0.002	0.007	0.773	0.016	60.844	TRUE	9.41E-15
Overall COPD	HIPK2	cg11627968	rs4732386	C	T	0.178	0.032	0.420	1.65E-08	0.003	0.008	0.720	0.009	31.857	TRUE	2.09E-08
Overall COPD	HIPK2	cg11627968	rs7781224	G	T	-0.694	0.031	0.165	1.93E-109	0.000	0.009	0.976	0.118	493.724	TRUE	1.66E-104
Overall COPD	HIPK2	cg11627968	rs7785404	T	C	-0.265	0.026	0.298	5.99E-25	0.007	0.008	0.378	0.028	106.354	TRUE	2.15E-24
Overall COPD	HIPK2	cg11627968	rs7785516	C	T	0.301	0.054	0.117	2.45E-08	-0.014	0.011	0.193	0.008	31.082	TRUE	4.27E-08
Overall COPD	HIPK2	cg11627968	rs7788362	A	G	-0.459	0.040	0.089	6.02E-30	-0.021	0.011	0.055	0.034	129.167	TRUE	6.08E-29
Overall COPD	HIPK2	cg11627968	rs9768699	C	T	-0.246	0.035	0.406	1.44E-12	-0.004	0.008	0.577	0.013	50.100	TRUE	2.29E-12
Overall COPD	HIPK2	cg14405813	rs10277664	T	C	0.212	0.024	0.404	4.06E-19	-0.009	0.007	0.217	0.021	79.799	TRUE	1.24E-18
Overall COPD	HIPK2	cg14405813	rs116909157	A	G	-0.634	0.098	0.014	9.17E-11	-0.007	0.022	0.752	0.011	41.969	TRUE	1.23E-10
Overall COPD	HIPK2	cg14405813	rs117869586	C	T	-0.538	0.069	0.026	5.91E-15	0.004	0.023	0.880	0.016	60.899	TRUE	8.58E-15
Overall COPD	HIPK2	cg14405813	rs12703062	C	T	-0.720	0.029	0.184	9.95E-135	0.006	0.009	0.495	0.142	609.906	TRUE	4.83E-127
Overall COPD	HIPK2	cg14405813	rs1978180	T	C	-0.244	0.035	0.136	1.73E-12	0.011	0.010	0.287	0.013	49.745	TRUE	3.39E-12
Overall COPD	HIPK2	cg14405813	rs68067734	G	C	-0.612	0.095	0.014	9.44E-11	-0.016	0.029	0.581	0.011	41.912	TRUE	1.39E-10
Overall COPD	HIPK2	cg14630106	rs12707451	C	T	0.145	0.024	0.472	1.35E-09	0.012	0.007	0.090	0.010	36.726	TRUE	2.89E-09
Overall COPD	HIPK2	cg14630106	rs150564919	G	A	-0.536	0.071	0.029	5.87E-14	-0.016	0.020	0.428	0.015	56.385	TRUE	1.10E-13
Overall COPD	HIPK2	cg14630106	rs73486021	C	A	-0.500	0.042	0.089	6.84E-33	-0.002	0.014	0.875	0.037	142.623	TRUE	2.57E-32
Overall COPD	HIPK2	cg14630106	rs9718393	G	C	-0.600	0.025	0.313	4.17E-132	-0.016	0.008	0.034	0.139	597.855	TRUE	8.37E-124
Overall COPD	HIPK2	cg15039797	rs112288696	C	T	-0.177	0.030	0.182	5.79E-09	-0.015	0.009	0.089	0.009	33.887	TRUE	1.20E-08
Overall COPD	HIPK2	cg15039797	rs41274212	C	T	-0.990	0.038	0.096	8.98E-152	-0.018	0.011	0.094	0.157	688.234	TRUE	1.35E-141
Overall COPD	HIPK2	cg15039797	rs7801393	C	T	0.195	0.030	0.195	6.82E-11	-0.010	0.009	0.259	0.011	42.546	TRUE	1.27E-10
Overall COPD	HIPK2	cg15535471	rs1464798	A	G	0.278	0.032	0.453	3.57E-18	-0.007	0.007	0.295	0.020	75.504	TRUE	9.39E-18
Overall COPD	HIPK2	cg18993778	rs10235001	T	C	-1.474	0.033	0.085	<1E-200	-0.021	0.011	0.048	0.347	1966.070	TRUE	<1E-200
Overall COPD	HIPK2	cg18993778	rs10247507	A	G	-0.313	0.034	0.140	2.92E-20	-0.008	0.010	0.385	0.022	84.997	TRUE	7.85E-20
Overall COPD	HIPK2	cg18993778	rs139128188	C	T	-1.175	0.161	0.013	2.42E-13	0.028	0.027	0.301	0.014	53.604	TRUE	4.88E-13
Overall COPD	HIPK2	cg18993778	rs78068411	T	C	-0.489	0.053	0.097	4.05E-20	-0.009	0.011	0.413	0.022	84.350	TRUE	1.05E-19
Overall COPD	HIPK2	cg18993778	rs9801309	C	T	-0.231	0.042	0.188	2.60E-08	-0.012	0.009	0.170	0.008	30.966	TRUE	4.64E-08
Overall COPD	HIPK2	cg19246654	rs10276928	T	C	-0.784	0.038	0.097	4.51E-93	-0.017	0.011	0.125	0.102	418.547	TRUE	1.19E-88
Overall COPD	HIPK2	cg19246654	rs78068411	T	C	-0.295	0.054	0.097	3.62E-08	-0.009	0.011	0.413	0.008	30.327	TRUE	5.32E-08
Overall COPD	HIPK2	cg22164250	rs6952940	T	C	-0.451	0.082	0.020	4.40E-08	0.011	0.026	0.668	0.008	29.950	TRUE	5.66E-08
Overall COPD	HIPK2	cg22164250	rs73156853	G	C	-1.304	0.100	0.016	8.53E-39	-0.003	0.028	0.919	0.044	169.627	TRUE	4.75E-38
Overall COPD	HIPK2	cg23646343	rs1464798	A	G	0.455	0.032	0.453	7.81E-47	-0.007	0.007	0.295	0.053	206.428	TRUE	1.93E-45
Overall COPD	HIPK2	cg23646343	rs6974895	G	C	-0.221	0.035	0.146	1.87E-10	-0.002	0.009	0.790	0.011	40.573	TRUE	2.45E-10
Overall COPD	HIPK2	cg23999318	rs1464798	A	G	0.258	0.032	0.453	1.00E-15	-0.007	0.007	0.295	0.017	64.390	TRUE	2.30E-15
Overall COPD	HIPK2	cg24038192	rs10241798	C	T	-0.503	0.037	0.110	6.04E-42	-0.016	0.010	0.119	0.047	184.042	TRUE	1.39E-40
Overall COPD	HIPK2	cg24540732	rs73156838	C	T	-1.177	0.098	0.017	5.50E-33	-0.003	0.028	0.901	0.037	143.055	TRUE	2.03E-32
Overall COPD	HPS6	cg00857846	rs11191203	T	C	-0.285	0.030	0.188	6.34E-22	0.001	0.009	0.945	0.024	92.568	TRUE	1.19E-21
Overall COPD	HPS6	cg06286028	rs11191203	T	C	0.241	0.030	0.188	4.97E-16	0.001	0.009	0.945	0.017	65.773	TRUE	7.22E-16
Overall COPD	HPS6	cg10191772	rs145175060	G	T	0.682	0.081	0.024	3.88E-17	-0.010	0.028	0.711	0.019	70.801	TRUE	6.84E-17
Overall COPD	HPS6	cg14124646	rs10786628	C	T	0.247	0.024	0.335	4.19E-24	-0.006	0.007	0.423	0.027	102.501	TRUE	1.36E-23
Overall COPD	HPS6	cg14124646	rs11190936	A	G	-0.221	0.024	0.462	1.11E-20	0.008	0.007	0.251	0.023	86.902	TRUE	3.58E-20
Overall COPD	HPS6	cg14124646	rs11191183	G	A	0.699	0.080	0.021	2.88E-18	0.014	0.023	0.544	0.020	75.927	TRUE	6.06E-18

Overall COPD	HPS6	cg14124646	rs11191191	A	G	0.848	0.029	0.185	1.13E-190	-0.001	0.009	0.872	0.190	867.054	TRUE	1.16E-176
Overall COPD	HPS6	cg14124646	rs114127273	G	A	0.527	0.094	0.018	2.23E-08	0.028	0.028	0.315	0.008	31.268	TRUE	3.52E-08
Overall COPD	HPS6	cg14124646	rs12768561	T	C	-0.269	0.026	0.293	1.01E-25	0.006	0.007	0.403	0.029	109.876	TRUE	3.71E-25
Overall COPD	HPS6	cg14124646	rs12771487	C	T	-0.143	0.026	0.288	3.36E-08	0.001	0.007	0.911	0.008	30.472	TRUE	3.90E-08
Overall COPD	HPS6	cg14124646	rs138649138	T	C	0.747	0.062	0.037	3.54E-33	-0.023	0.020	0.245	0.037	143.930	TRUE	2.77E-32
Overall COPD	HPS6	cg14124646	rs148990403	G	A	0.623	0.084	0.021	8.83E-14	-0.031	0.027	0.264	0.015	55.582	TRUE	1.89E-13
Overall COPD	HPS6	cg14124646	rs1536309	G	A	-0.211	0.025	0.379	1.16E-17	0.010	0.007	0.171	0.019	73.177	TRUE	3.49E-17
Overall COPD	HPS6	cg14124646	rs1933966	G	A	0.191	0.032	0.160	2.39E-09	0.025	0.009	0.007	0.010	35.607	TRUE	7.25E-09
Overall COPD	HPS6	cg14124646	rs2025106	C	T	-0.169	0.025	0.322	1.00E-11	0.006	0.007	0.366	0.012	46.294	TRUE	1.78E-11
Overall COPD	HPS6	cg14124646	rs2735421	T	G	-0.298	0.025	0.316	2.61E-32	0.016	0.008	0.040	0.036	139.964	TRUE	3.56E-31
Overall COPD	HPS6	cg14124646	rs45487496	A	C	0.523	0.069	0.028	3.27E-14	0.006	0.019	0.764	0.015	57.536	TRUE	4.94E-14
Overall COPD	HPS6	cg14124646	rs600953	T	G	-0.185	0.027	0.268	4.05E-12	-0.009	0.008	0.275	0.013	48.073	TRUE	7.89E-12
Overall COPD	HPS6	cg14124646	rs7915239	G	A	0.196	0.033	0.149	1.88E-09	-0.005	0.010	0.618	0.010	36.073	TRUE	2.60E-09
Overall COPD	HRAS	cg05798318	rs111226498	G	A	0.619	0.041	0.097	6.31E-52	-0.020	0.012	0.106	0.058	229.764	TRUE	4.40E-50
Overall COPD	HRAS	cg05798318	rs181328919	C	G	-0.294	0.040	0.103	1.14E-13	-0.005	0.013	0.667	0.015	55.085	TRUE	1.79E-13
Overall COPD	HRAS	cg05798318	rs7395822	A	G	0.132	0.024	0.449	2.76E-08	-0.009	0.007	0.215	0.008	30.854	TRUE	4.69E-08
Overall COPD	HRAS	cg05798318	rs7949926	T	C	0.324	0.042	0.089	1.11E-14	-0.020	0.012	0.089	0.016	59.659	TRUE	3.27E-14
Overall COPD	HRAS	cg06143971	rs143735806	G	A	-0.657	0.072	0.028	1.04E-19	-0.045	0.021	0.031	0.022	82.478	TRUE	5.46E-19
Overall COPD	HRAS	cg06143971	rs151245327	G	A	-0.934	0.152	0.013	7.79E-10	-0.077	0.035	0.029	0.010	37.792	TRUE	2.02E-09
Overall COPD	HRAS	cg06143971	rs200023191	G	A	-0.424	0.041	0.079	5.23E-25	0.014	0.020	0.504	0.028	106.622	TRUE	1.65E-24
Overall COPD	HRAS	cg06143971	rs36180797	T	C	-0.233	0.032	0.153	6.25E-13	-0.016	0.010	0.124	0.014	51.738	TRUE	1.54E-12
Overall COPD	HRAS	cg06143971	rs45558638	A	G	-0.903	0.038	0.103	9.35E-126	-0.016	0.012	0.174	0.133	568.676	TRUE	1.47E-118
Overall COPD	HRAS	cg06143971	rs73407148	C	G	-0.304	0.034	0.134	4.07E-19	-0.018	0.011	0.088	0.021	79.793	TRUE	1.60E-18
Overall COPD	HRAS	cg08141873	rs10794321	G	T	0.459	0.029	0.207	4.29E-56	-0.019	0.008	0.020	0.063	248.867	TRUE	9.36E-54
Overall COPD	HRAS	cg08141873	rs10902177	G	A	0.445	0.034	0.122	3.56E-38	-0.001	0.010	0.901	0.043	166.788	TRUE	1.92E-37
Overall COPD	HRAS	cg08141873	rs111314084	A	G	0.512	0.081	0.046	3.15E-10	-0.009	0.021	0.655	0.011	39.560	TRUE	4.38E-10
Overall COPD	HRAS	cg08141873	rs117191642	T	C	-1.217	0.121	0.010	1.29E-23	-0.066	0.040	0.099	0.026	100.282	TRUE	6.71E-23
Overall COPD	HRAS	cg08141873	rs187139212	A	G	-0.468	0.067	0.052	2.55E-12	0.005	0.017	0.787	0.013	48.983	TRUE	3.55E-12
Overall COPD	HRAS	cg08141873	rs36089917	G	A	0.321	0.026	0.290	5.17E-36	-0.023	0.008	0.002	0.041	156.894	TRUE	2.09E-34
Overall COPD	HRAS	cg08141873	rs61876729	G	A	0.265	0.040	0.091	2.50E-11	-0.006	0.012	0.612	0.012	44.510	TRUE	3.70E-11
Overall COPD	HRAS	cg08141873	rs61877803	T	C	0.613	0.054	0.049	5.82E-30	-0.034	0.015	0.023	0.034	129.233	TRUE	7.46E-29
Overall COPD	HRAS	cg08141873	rs6421968	T	G	0.190	0.028	0.222	7.37E-12	-0.005	0.008	0.521	0.013	46.901	TRUE	1.18E-11
Overall COPD	HRAS	cg08141873	rs72848745	A	G	-0.224	0.027	0.261	4.14E-17	0.009	0.008	0.258	0.019	70.669	TRUE	1.07E-16
Overall COPD	HRAS	cg12989344	rs12628	G	A	0.374	0.025	0.341	2.26E-51	-0.019	0.007	0.007	0.058	227.222	TRUE	3.83E-49
Overall COPD	HRAS	cg12989344	rs72848745	A	G	-0.166	0.027	0.261	3.81E-10	0.009	0.008	0.258	0.010	39.187	TRUE	6.84E-10
Overall COPD	HRAS	cg12989344	rs76185932	G	A	0.283	0.046	0.068	5.43E-10	0.005	0.015	0.762	0.010	38.495	TRUE	7.09E-10
Overall COPD	HRAS	cg16229772	rs11246161	T	C	-0.230	0.036	0.125	1.70E-10	-0.008	0.010	0.422	0.011	40.759	TRUE	2.74E-10
Overall COPD	HRAS	cg22174486	rs72845867	T	G	0.236	0.041	0.080	9.50E-09	0.014	0.020	0.504	0.009	32.924	TRUE	1.36E-08
Overall COPD	HRAS	cg22174486	rs7949926	T	C	0.305	0.042	0.089	3.41E-13	-0.020	0.012	0.089	0.014	52.927	TRUE	9.15E-13
Overall COPD	HRAS	cg22174486	rs8176332	T	G	0.597	0.039	0.103	2.59E-53	-0.016	0.012	0.174	0.060	236.118	TRUE	1.69E-51
Overall COPD	HSPA1B	cg04835051	rs1049709	C	T	0.271	0.031	0.170	2.85E-18	0.011	0.010	0.274	0.020	75.947	TRUE	7.73E-18
Overall COPD	HSPA1B	cg04835051	rs2523834	A	T	0.155	0.025	0.334	7.57E-10	0.018	0.010	0.058	0.010	37.848	TRUE	1.78E-09

Overall COPD	HSPA1B	cg04835051	rs2596464	T	C	-0.179	0.023	0.464	2.66E-14	-0.014	0.007	0.048	0.015	57.939	TRUE	8.66E-14
Overall COPD	HSPA1B	cg04835051	rs2763979	T	C	0.352	0.025	0.351	1.24E-46	0.021	0.007	0.004	0.053	205.512	TRUE	1.39E-44
Overall COPD	HSPA1B	cg04835051	rs41558815	A	G	-0.285	0.052	0.058	4.06E-08	0.008	0.018	0.642	0.008	30.102	TRUE	5.30E-08
Overall COPD	HSPA1B	cg04835051	rs9268199	G	A	-0.208	0.030	0.198	2.01E-12	-0.027	0.009	0.003	0.013	49.445	TRUE	8.89E-12
Overall COPD	HSPA1B	cg04835051	rs9273455	T	C	0.267	0.028	0.188	3.39E-21	0.022	0.013	0.089	0.024	89.253	TRUE	1.53E-20
Overall COPD	HSPA1B	cg04835051	rs9276576	G	A	0.189	0.029	0.215	3.42E-11	0.012	0.009	0.182	0.012	43.898	TRUE	7.01E-11
Overall COPD	HSPA1B	cg13911590	rs12524467	A	G	0.470	0.079	0.024	2.47E-09	0.022	0.023	0.336	0.010	35.547	TRUE	4.00E-09
Overall COPD	HSPA1B	cg16372051	rs1049709	C	T	0.230	0.031	0.170	1.29E-13	0.011	0.010	0.274	0.015	54.842	TRUE	2.71E-13
Overall COPD	HSPA1B	cg16372051	rs144223778	C	G	0.408	0.065	0.033	2.55E-10	-0.006	0.018	0.723	0.011	39.972	TRUE	3.43E-10
Overall COPD	HSPA1B	cg16372051	rs2596464	T	C	-0.201	0.023	0.464	8.99E-18	-0.014	0.007	0.048	0.020	73.684	TRUE	3.71E-17
Overall COPD	HSPA1B	cg16372051	rs2763979	T	C	0.376	0.024	0.351	3.17E-53	0.021	0.007	0.004	0.060	235.716	TRUE	7.94E-51
Overall COPD	HSPA1B	cg16372051	rs9276577	G	A	0.209	0.029	0.202	9.29E-13	0.014	0.009	0.133	0.014	50.961	TRUE	2.23E-12
Overall COPD	HSPA1B	cg19159162	rs6457452	T	C	-0.301	0.051	0.052	3.93E-09	0.000	0.017	0.991	0.009	34.641	TRUE	4.50E-09
Overall COPD	HSPA1B	cg19754746	rs35009002	C	A	-0.427	0.078	0.023	3.96E-08	0.016	0.021	0.444	0.008	30.154	TRUE	5.70E-08
Overall COPD	HSPA1B	cg21080034	rs1131500	T	C	0.152	0.025	0.299	1.94E-09	-0.004	0.009	0.666	0.010	36.009	TRUE	2.62E-09
Overall COPD	HSPA1B	cg21080034	rs116383515	C	T	0.265	0.048	0.062	4.73E-08	-0.003	0.014	0.815	0.008	29.807	TRUE	5.70E-08
Overall COPD	HSPA1B	cg21080034	rs2272592	T	C	-0.164	0.029	0.197	1.59E-08	-0.030	0.009	8.36E-04	0.009	31.921	TRUE	5.56E-08
Overall COPD	HSPA1B	cg21080034	rs385306	A	G	0.268	0.028	0.217	2.30E-21	0.009	0.008	0.253	0.024	90.024	TRUE	7.68E-21
Overall COPD	HSPA1B	cg21080034	rs760294	A	C	0.229	0.037	0.104	7.83E-10	0.019	0.011	0.075	0.010	37.781	TRUE	1.76E-09
Overall COPD	HSPA1B	cg21080034	rs9469089	C	G	0.192	0.033	0.144	5.46E-09	0.016	0.010	0.107	0.009	34.000	TRUE	1.10E-08
Overall COPD	HSPA1B	cg24239961	rs1049709	C	T	0.380	0.031	0.170	1.10E-34	0.011	0.010	0.274	0.039	150.827	TRUE	9.25E-34
Overall COPD	HSPA1B	cg24239961	rs11576013	C	G	-0.513	0.089	0.021	7.06E-09	-0.026	0.024	0.279	0.009	33.500	TRUE	1.17E-08
Overall COPD	HSPA1B	cg24239961	rs1264309	G	A	-0.139	0.025	0.334	2.80E-08	-0.001	0.007	0.899	0.008	30.827	TRUE	3.27E-08
Overall COPD	HSPA1B	cg24239961	rs1419881	A	G	0.201	0.023	0.488	7.13E-18	0.015	0.007	0.026	0.020	74.139	TRUE	3.36E-17
Overall COPD	HSPA1B	cg24239961	rs144223778	C	G	0.470	0.065	0.033	3.18E-13	-0.006	0.018	0.723	0.014	53.065	TRUE	4.75E-13
Overall COPD	HSPA1B	cg24239961	rs17207748	C	T	0.306	0.054	0.047	1.74E-08	0.014	0.020	0.477	0.009	31.747	TRUE	2.50E-08
Overall COPD	HSPA1B	cg24239961	rs2243873	C	A	0.192	0.024	0.459	7.81E-16	0.000	0.007	0.998	0.017	64.882	TRUE	1.09E-15
Overall COPD	HSPA1B	cg24239961	rs2523834	A	T	0.265	0.025	0.334	3.61E-26	0.018	0.010	0.058	0.029	111.920	TRUE	2.65E-25
Overall COPD	HSPA1B	cg24239961	rs2596464	T	C	-0.225	0.023	0.464	7.03E-22	-0.014	0.007	0.048	0.024	92.365	TRUE	3.90E-21
Overall COPD	HSPA1B	cg24239961	rs2736165	G	A	0.409	0.060	0.041	8.07E-12	0.032	0.022	0.142	0.012	46.724	TRUE	1.81E-11
Overall COPD	HSPA1B	cg24239961	rs2763979	T	C	0.625	0.024	0.351	2.77E-152	0.021	0.007	0.004	0.157	690.581	TRUE	2.90E-141
Overall COPD	HSPA1B	cg24239961	rs28787299	A	G	0.236	0.035	0.312	1.14E-11	0.016	0.011	0.152	0.012	46.049	TRUE	2.49E-11
Overall COPD	HSPA1B	cg24239961	rs41270871	A	T	-0.163	0.029	0.224	1.85E-08	0.012	0.012	0.334	0.008	31.628	TRUE	2.90E-08
Overall COPD	HSPA1B	cg24239961	rs547636337	A	T	-0.182	0.028	0.203	1.30E-10	0.003	0.012	0.798	0.011	41.293	TRUE	1.70E-10
Overall COPD	HSPA1B	cg24239961	rs909253	G	A	0.180	0.024	0.360	1.68E-13	0.016	0.007	0.034	0.014	54.320	TRUE	5.51E-13
Overall COPD	HSPA1B	cg24239961	rs9268199	G	A	-0.269	0.030	0.198	8.53E-20	-0.027	0.009	0.003	0.022	82.879	TRUE	7.09E-19
Overall COPD	HSPA1B	cg24239961	rs9273519	A	G	0.376	0.027	0.239	3.26E-45	0.024	0.013	0.058	0.051	199.006	TRUE	1.38E-43
Overall COPD	HSPA1B	cg24239961	rs9276577	G	A	0.321	0.029	0.202	2.19E-28	0.014	0.009	0.133	0.032	122.042	TRUE	1.48E-27
Overall COPD	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	0.020	0.008	0.007	0.015	57.336	TRUE	1.60E-13
Overall COPD	IDUA	cg00187933	rs6827815	G	C	0.329	0.033	0.153	2.70E-23	-0.028	0.010	0.003	0.026	98.811	TRUE	2.95E-22
Overall COPD	IDUA	cg00247629	rs11248057	G	C	-0.222	0.027	0.266	9.62E-17	-0.008	0.008	0.280	0.018	69.009	TRUE	2.37E-16
Overall COPD	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	-0.021	0.007	0.004	0.011	40.958	TRUE	5.52E-10

Overall COPD	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	0.003	0.013	0.816	0.013	49.309	TRUE	2.97E-12
Overall COPD	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	-0.009	0.007	0.165	0.065	258.356	TRUE	4.33E-56
Overall COPD	IDUA	cg01572696	rs114358991	A	G	0.424	0.055	0.053	1.63E-14	-0.009	0.018	0.608	0.016	58.897	TRUE	2.76E-14
Overall COPD	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	-0.025	0.016	0.106	0.022	81.973	TRUE	5.22E-19
Overall COPD	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	-0.006	0.010	0.548	0.012	46.127	TRUE	1.71E-11
Overall COPD	IDUA	cg01572696	rs17131820	C	G	0.206	0.034	0.141	2.08E-09	-0.002	0.009	0.832	0.010	35.878	TRUE	2.58E-09
Overall COPD	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	-0.019	0.007	0.010	0.012	45.664	TRUE	4.79E-11
Overall COPD	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	-0.004	0.008	0.621	0.015	54.952	TRUE	1.96E-13
Overall COPD	IDUA	cg01572696	rs4647932	T	C	-0.822	0.049	0.065	1.55E-62	0.011	0.014	0.446	0.070	278.407	TRUE	1.72E-60
Overall COPD	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	0.008	0.007	0.268	0.049	189.624	TRUE	6.59E-42
Overall COPD	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	-0.004	0.007	0.583	0.017	62.147	TRUE	5.55E-15
Overall COPD	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	0.000	0.015	0.995	0.022	84.609	TRUE	5.92E-20
Overall COPD	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	-0.009	0.007	0.165	0.017	62.567	TRUE	6.69E-15
Overall COPD	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	0.014	0.014	0.306	0.021	79.226	TRUE	1.47E-18
Overall COPD	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	0.008	0.007	0.268	0.016	60.197	TRUE	1.90E-14
Overall COPD	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	0.000	0.015	0.995	0.009	35.354	TRUE	3.13E-09
Overall COPD	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	-0.017	0.008	0.040	0.010	38.835	TRUE	1.15E-09
Overall COPD	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	-0.033	0.029	0.265	0.020	76.262	TRUE	6.68E-18
Overall COPD	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	-0.017	0.008	0.040	0.011	40.004	TRUE	6.44E-10
Overall COPD	IDUA	cg08160350	rs115790973	G	C	0.428	0.033	0.154	2.17E-38	-0.028	0.010	0.003	0.043	167.769	TRUE	1.03E-36
Overall COPD	IDUA	cg08160350	rs17165126	C	G	0.498	0.084	0.021	2.94E-09	-0.053	0.021	0.013	0.009	35.207	TRUE	8.15E-09
Overall COPD	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	0.020	0.008	0.007	0.013	48.909	TRUE	1.01E-11
Overall COPD	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	0.008	0.008	0.260	0.010	35.619	TRUE	4.10E-09
Overall COPD	IDUA	cg08332990	rs115790973	G	C	0.297	0.033	0.154	3.48E-19	-0.028	0.010	0.003	0.021	80.103	TRUE	2.65E-18
Overall COPD	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	0.020	0.008	0.007	0.011	41.490	TRUE	3.92E-10
Overall COPD	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	-0.016	0.013	0.228	0.009	32.544	TRUE	1.98E-08
Overall COPD	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	-0.021	0.007	0.004	0.020	77.335	TRUE	9.95E-18
Overall COPD	IDUA	cg14652403	rs187658856	C	G	-0.298	0.037	0.108	1.14E-15	-0.015	0.010	0.139	0.017	64.137	TRUE	3.21E-15
Overall COPD	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	0.008	0.007	0.238	0.010	36.272	TRUE	3.01E-09
Overall COPD	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	-0.004	0.007	0.594	0.050	193.196	TRUE	7.36E-43
Overall COPD	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	0.000	0.015	0.995	0.010	39.051	TRUE	4.79E-10
Overall COPD	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	0.010	0.012	0.412	0.008	29.766	TRUE	7.07E-08
Overall COPD	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	-0.007	0.009	0.438	0.010	36.545	TRUE	2.26E-09
Overall COPD	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	-0.025	0.010	0.015	0.048	184.678	TRUE	2.05E-40
Overall COPD	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	0.003	0.013	0.816	0.027	102.180	TRUE	1.13E-23
Overall COPD	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	-0.008	0.015	0.578	0.009	32.063	TRUE	2.02E-08
Overall COPD	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	0.008	0.028	0.785	0.013	50.559	TRUE	1.61E-12
Overall COPD	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	-0.005	0.008	0.526	0.019	69.755	TRUE	1.31E-16
Overall COPD	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	-0.007	0.008	0.345	0.010	36.376	TRUE	2.62E-09
Overall COPD	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	-0.006	0.007	0.387	0.011	41.224	TRUE	2.22E-10
Overall COPD	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	-0.016	0.009	0.058	0.046	179.864	TRUE	1.36E-39
Overall COPD	IDUA	cg15138543	rs117560503	A	G	0.543	0.088	0.020	8.39E-10	-0.026	0.033	0.436	0.010	37.647	TRUE	1.30E-09

Overall COPD	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	0.002	0.007	0.827	0.012	44.025	TRUE	4.21E-11
Overall COPD	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	0.018	0.013	0.182	0.010	36.653	TRUE	2.63E-09
Overall COPD	IDUA	cg15138543	rs138298498	A	G	0.592	0.059	0.040	7.43E-24	-0.013	0.023	0.587	0.027	101.367	TRUE	2.04E-23
Overall COPD	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	0.031	0.017	0.066	0.032	123.516	TRUE	9.02E-28
Overall COPD	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	0.000	0.009	0.990	0.403	2493.113	TRUE	<1E-200
Overall COPD	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	0.008	0.011	0.488	0.023	88.732	TRUE	1.13E-20
Overall COPD	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	-0.001	0.007	0.882	0.025	93.491	TRUE	7.87E-22
Overall COPD	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	0.002	0.007	0.740	0.044	168.413	TRUE	1.02E-37
Overall COPD	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	0.008	0.008	0.372	0.030	113.010	TRUE	8.28E-26
Overall COPD	IDUA	cg15138543	rs57186616	A	G	-0.272	0.032	0.155	4.86E-17	-0.006	0.014	0.647	0.019	70.353	TRUE	8.93E-17
Overall COPD	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	0.011	0.009	0.222	0.044	170.556	TRUE	7.17E-38
Overall COPD	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	-0.006	0.010	0.542	0.009	34.920	TRUE	4.84E-09
Overall COPD	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	0.026	0.016	0.097	0.038	146.399	TRUE	1.19E-32
Overall COPD	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	-0.029	0.009	0.003	0.012	45.151	TRUE	7.34E-11
Overall COPD	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	0.008	0.008	0.370	0.033	125.887	TRUE	1.52E-28
Overall COPD	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	-0.010	0.012	0.382	0.023	86.012	TRUE	4.77E-20
Overall COPD	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	-0.006	0.030	0.853	0.063	248.815	TRUE	1.33E-54
Overall COPD	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	-0.005	0.008	0.526	0.018	69.409	TRUE	1.56E-16
Overall COPD	IDUA	cg21616051	rs11931773	C	G	0.252	0.028	0.216	7.67E-19	-0.001	0.008	0.860	0.021	78.541	TRUE	1.32E-18
Overall COPD	IDUA	cg21616051	rs138298498	A	G	-1.430	0.057	0.040	1.73E-140	-0.013	0.023	0.587	0.147	636.375	TRUE	2.73E-132
Overall COPD	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	-0.014	0.012	0.270	0.053	205.066	TRUE	3.89E-45
Overall COPD	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	-0.015	0.008	0.072	0.022	84.731	TRUE	1.49E-19
Overall COPD	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	0.008	0.011	0.488	0.014	51.718	TRUE	1.08E-12
Overall COPD	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	0.004	0.007	0.566	0.187	851.571	TRUE	1.90E-173
Overall COPD	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	0.002	0.007	0.740	0.026	100.280	TRUE	3.06E-23
Overall COPD	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	0.011	0.009	0.222	0.018	67.861	TRUE	4.49E-16
Overall COPD	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	-0.006	0.012	0.617	0.010	37.160	TRUE	1.50E-09
Overall COPD	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	0.026	0.015	0.090	0.014	54.084	TRUE	5.14E-13
Overall COPD	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	-0.010	0.012	0.382	0.009	35.104	TRUE	4.85E-09
Overall COPD	IDUA	cg21628539	rs6829197	C	G	-0.206	0.030	0.193	6.62E-12	-0.021	0.009	0.018	0.013	47.112	TRUE	2.15E-11
Overall COPD	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	0.012	0.007	0.097	0.011	41.338	TRUE	2.85E-10
Overall COPD	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	-0.012	0.007	0.084	0.010	36.378	TRUE	3.48E-09
Overall COPD	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	-0.017	0.022	0.434	0.011	39.940	TRUE	4.11E-10
Overall COPD	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	0.001	0.010	0.949	0.034	129.133	TRUE	1.78E-29
Overall COPD	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	0.002	0.007	0.740	0.013	47.425	TRUE	7.97E-12
Overall COPD	IDUA	cg23332689	rs6829197	C	G	-0.218	0.030	0.193	2.38E-13	-0.021	0.009	0.018	0.014	53.633	TRUE	8.61E-13
Overall COPD	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	-0.002	0.007	0.784	0.009	32.172	TRUE	1.73E-08
Overall COPD	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	-0.018	0.009	0.030	0.017	65.394	TRUE	2.40E-15
Overall COPD	IDUA	cg27494429	rs4647940	G	C	0.268	0.036	0.150	1.51E-13	-0.030	0.010	0.002	0.015	54.525	TRUE	7.75E-13
Overall COPD	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	0.008	0.007	0.238	0.018	66.061	TRUE	1.07E-15
Overall COPD	IFI27L2	cg18050213	rs143824994	T	G	-1.313	0.167	0.011	3.55E-15	-0.036	0.031	0.251	0.016	61.900	TRUE	8.32E-15
Overall COPD	IFI27L2	cg19511435	rs10145931	C	T	0.472	0.032	0.149	9.73E-50	0.011	0.010	0.302	0.056	219.736	TRUE	3.20E-48

Overall COPD	IFI27L2	cg19511435	rs111636997	C	T	0.423	0.041	0.094	3.93E-25	0.006	0.011	0.575	0.028	107.190	TRUE	1.17E-24
Overall COPD	IFI27L2	cg19511435	rs11627448	T	C	0.573	0.033	0.140	3.73E-68	0.003	0.010	0.764	0.076	304.181	TRUE	5.33E-66
Overall COPD	IFI27L2	cg19511435	rs146776007	T	C	0.856	0.097	0.017	1.32E-18	-0.008	0.024	0.735	0.021	77.462	TRUE	2.46E-18
Overall COPD	IFI27L2	cg19511435	rs147892697	T	G	0.576	0.080	0.019	4.86E-13	0.019	0.021	0.366	0.014	52.232	TRUE	9.14E-13
Overall COPD	IFI27L2	cg19511435	rs1980618	A	T	-0.186	0.024	0.356	2.14E-14	-0.005	0.007	0.511	0.016	58.367	TRUE	3.84E-14
Overall COPD	IFI27L2	cg19511435	rs2273514	C	T	1.017	0.024	0.197	<1E-200	0.029	0.009	8.29E-04	0.328	1802.939	TRUE	<1E-200
Overall COPD	IFI27L2	cg19511435	rs2281519	A	G	-0.194	0.027	0.249	5.86E-13	0.005	0.008	0.516	0.014	51.865	TRUE	9.84E-13
Overall COPD	IFI27L2	cg19511435	rs2402387	G	A	0.198	0.024	0.414	3.50E-17	0.006	0.007	0.376	0.019	71.002	TRUE	8.02E-17
Overall COPD	IFI27L2	cg19511435	rs28929474	T	C	0.618	0.085	0.018	3.25E-13	0.188	0.025	1.12E-13	0.014	53.025	TRUE	9.82E-12
Overall COPD	IFI27L2	cg19511435	rs79694611	G	A	0.597	0.092	0.017	9.01E-11	-0.022	0.024	0.360	0.011	42.003	TRUE	1.53E-10
Overall COPD	IFI27L2	cg19511435	rs8006631	A	C	0.310	0.023	0.460	2.40E-41	0.014	0.007	0.033	0.047	181.295	TRUE	8.20E-40
Overall COPD	IFI27L2	cg21206949	rs1114	A	G	0.299	0.042	0.083	1.23E-12	0.002	0.012	0.898	0.013	50.418	TRUE	1.62E-12
Overall COPD	IFI27L2	cg21206949	rs12434998	C	T	-0.135	0.024	0.359	1.95E-08	0.002	0.007	0.764	0.008	31.523	TRUE	2.43E-08
Overall COPD	IFI27L2	cg21206949	rs12896856	C	T	0.274	0.029	0.189	1.55E-20	0.030	0.008	3.38E-04	0.023	86.248	TRUE	1.87E-19
Overall COPD	IFI27L2	cg21206949	rs146776007	T	C	0.569	0.097	0.017	5.31E-09	-0.008	0.024	0.735	0.009	34.055	TRUE	6.81E-09
Overall COPD	IFI27L2	cg21206949	rs1980618	A	T	-0.141	0.024	0.356	7.99E-09	-0.005	0.007	0.511	0.009	33.259	TRUE	1.14E-08
Overall COPD	IFI27L2	cg21206949	rs4905164	G	A	0.387	0.023	0.423	1.50E-62	0.004	0.007	0.561	0.070	278.475	TRUE	1.40E-60
Overall COPD	IFI27L2	cg21206949	rs78362970	C	T	0.423	0.056	0.044	2.72E-14	-0.023	0.016	0.135	0.015	57.894	TRUE	7.11E-14
Overall COPD	IFI27L2	cg21206949	rs79694611	G	A	0.760	0.092	0.017	1.38E-16	-0.022	0.024	0.360	0.018	68.296	TRUE	3.12E-16
Overall COPD	IGF2R	cg02744937	rs761388	G	A	-0.270	0.039	0.120	5.40E-12	0.017	0.010	0.067	0.013	47.510	TRUE	1.42E-11
Overall COPD	IGF2R	cg03634777	rs148098552	C	T	-0.271	0.048	0.074	1.93E-08	0.000	0.013	0.995	0.008	31.549	TRUE	2.17E-08
Overall COPD	IGF2R	cg03634777	rs3798178	G	A	-0.229	0.026	0.377	2.32E-18	0.002	0.007	0.766	0.020	76.352	TRUE	4.18E-18
Overall COPD	IGF2R	cg03634777	rs662138	G	C	0.288	0.031	0.195	4.26E-20	0.020	0.009	0.026	0.022	84.249	TRUE	2.38E-19
Overall COPD	IGF2R	cg05291059	rs7746102	C	T	0.172	0.030	0.228	1.31E-08	0.004	0.008	0.612	0.009	32.303	TRUE	1.76E-08
Overall COPD	IGF2R	cg06180108	rs3737088	T	C	-0.381	0.060	0.048	2.74E-10	-0.034	0.017	0.042	0.011	39.832	TRUE	6.96E-10
Overall COPD	IGF2R	cg10512472	rs3777392	T	C	-0.232	0.041	0.106	1.45E-08	0.003	0.010	0.736	0.009	32.102	TRUE	1.83E-08
Overall COPD	IGF2R	cg10512472	rs3798207	G	A	-0.231	0.036	0.147	1.49E-10	0.003	0.009	0.752	0.011	41.017	TRUE	1.99E-10
Overall COPD	IGF2R	cg10512472	rs609043	C	T	-0.227	0.030	0.234	2.19E-14	0.009	0.008	0.252	0.016	58.324	TRUE	4.91E-14
Overall COPD	IGF2R	cg10512472	rs707771	T	C	0.187	0.026	0.394	2.68E-13	0.002	0.007	0.759	0.014	53.402	TRUE	3.93E-13
Overall COPD	IGF2R	cg10512472	rs791198	T	C	0.193	0.027	0.341	7.61E-13	-0.005	0.008	0.476	0.014	51.352	TRUE	1.31E-12
Overall COPD	IGF2R	cg10512472	rs806383	T	C	0.155	0.026	0.328	4.82E-09	0.010	0.007	0.156	0.009	34.241	TRUE	9.08E-09
Overall COPD	IGF2R	cg10512472	rs8191824	A	G	0.311	0.046	0.074	1.50E-11	-0.009	0.014	0.521	0.012	45.512	TRUE	2.36E-11
Overall COPD	IGF2R	cg10512472	rs9346805	T	C	0.249	0.038	0.131	4.50E-11	-0.005	0.010	0.591	0.012	43.361	TRUE	6.68E-11
Overall COPD	IGF2R	cg10512472	rs998075	G	A	-0.601	0.025	0.463	1.48E-129	0.006	0.007	0.408	0.137	586.142	TRUE	2.64E-122
Overall COPD	IGF2R	cg12754982	rs10806724	C	T	0.290	0.027	0.343	3.76E-27	0.011	0.007	0.143	0.031	116.401	TRUE	2.27E-26
Overall COPD	IGF2R	cg12754982	rs12209517	G	C	0.234	0.038	0.132	5.30E-10	-0.007	0.010	0.480	0.010	38.544	TRUE	8.06E-10
Overall COPD	IGF2R	cg12754982	rs57570593	G	T	-0.380	0.032	0.184	1.53E-32	0.001	0.009	0.890	0.037	141.022	TRUE	5.55E-32
Overall COPD	IGF2R	cg12754982	rs614890	T	G	0.193	0.026	0.400	1.23E-13	-0.010	0.009	0.240	0.015	54.933	TRUE	2.68E-13
Overall COPD	IGF2R	cg12754982	rs8191835	G	A	0.251	0.036	0.151	2.62E-12	-0.005	0.009	0.632	0.013	48.928	TRUE	3.98E-12
Overall COPD	IGF2R	cg15850155	rs761388	G	A	-0.325	0.039	0.120	9.08E-17	0.017	0.010	0.067	0.018	69.123	TRUE	3.26E-16
Overall COPD	IGF2R	cg16111231	rs73019670	A	G	-0.455	0.049	0.071	1.58E-20	0.019	0.012	0.121	0.023	86.215	TRUE	6.27E-20
Overall COPD	IGF2R	cg17154159	rs10945649	A	T	0.294	0.038	0.131	5.88E-15	-0.007	0.010	0.491	0.016	60.907	TRUE	1.10E-14

Overall COPD	IGF2R	cg18189591	rs220726	A	T	0.197	0.030	0.224	9.13E-11	0.011	0.008	0.185	0.011	41.976	TRUE	1.82E-10
Overall COPD	IGF2R	cg18189591	rs57570593	G	T	-0.215	0.032	0.184	2.33E-11	0.001	0.009	0.890	0.012	44.644	TRUE	2.98E-11
Overall COPD	IGF2R	cg19166759	rs187704522	C	T	-0.520	0.069	0.034	5.33E-14	0.014	0.030	0.649	0.015	56.574	TRUE	8.58E-14
Overall COPD	IGF2R	cg19166759	rs461473	A	G	-0.270	0.044	0.087	5.90E-10	-0.004	0.011	0.720	0.010	38.335	TRUE	7.86E-10
Overall COPD	IGF2R	cg25484127	rs7746102	C	T	0.253	0.030	0.228	5.22E-17	0.004	0.008	0.612	0.019	70.215	TRUE	9.81E-17
Overall COPD	IGF2R	cg25754852	rs662138	G	C	0.227	0.031	0.195	5.06E-13	0.020	0.009	0.026	0.014	52.154	TRUE	1.68E-12
Overall COPD	IGF2R	cg25754852	rs9456496	G	A	0.218	0.040	0.116	4.29E-08	-0.014	0.011	0.203	0.008	29.997	TRUE	7.31E-08
Overall COPD	IL10RA	cg00467529	rs2282493	T	C	-0.349	0.050	0.049	4.20E-12	-0.012	0.014	0.397	0.013	48.003	TRUE	7.38E-12
Overall COPD	IL10RA	cg01697865	rs2228054	A	G	0.302	0.052	0.049	5.91E-09	-0.009	0.015	0.540	0.009	33.846	TRUE	8.34E-09
Overall COPD	IL10RA	cg07540983	rs4252253	A	C	-0.199	0.031	0.169	2.00E-10	-0.019	0.009	0.034	0.011	40.443	TRUE	5.30E-10
Overall COPD	IL10RA	cg10145584	rs624931	C	T	-0.163	0.028	0.227	8.18E-09	-0.005	0.008	0.523	0.009	33.214	TRUE	1.16E-08
Overall COPD	IL10RA	cg26661481	rs11216669	T	C	0.367	0.049	0.053	5.48E-14	-0.023	0.015	0.132	0.015	56.519	TRUE	1.41E-13
Overall COPD	IL12A	cg20515136	rs60733480	G	A	0.135	0.024	0.447	1.19E-08	0.027	0.007	5.32E-05	0.009	32.480	TRUE	5.34E-08
Overall COPD	IL13	cg04303330	rs17622656	A	G	0.187	0.024	0.375	1.04E-14	-0.034	0.007	2.61E-06	0.016	59.779	TRUE	1.20E-13
Overall COPD	IL13	cg04303330	rs1881457	C	A	-0.530	0.030	0.193	1.05E-71	0.021	0.009	0.017	0.080	320.468	TRUE	2.15E-68
Overall COPD	IL13	cg04303330	rs2069812	A	G	0.163	0.026	0.310	1.99E-10	-0.018	0.008	0.021	0.011	40.457	TRUE	5.65E-10
Overall COPD	IL13	cg04303330	rs2237057	G	A	-0.153	0.027	0.245	2.19E-08	0.009	0.008	0.227	0.008	31.301	TRUE	3.70E-08
Overall COPD	IL13	cg13566430	rs17622656	A	G	0.157	0.024	0.375	8.47E-11	-0.034	0.007	2.61E-06	0.011	42.123	TRUE	6.16E-10
Overall COPD	IL13	cg13566430	rs2069812	A	G	0.141	0.026	0.310	3.93E-08	-0.018	0.008	0.021	0.008	30.170	TRUE	9.41E-08
Overall COPD	IL13	cg13566430	rs4705963	A	G	-0.153	0.027	0.251	1.38E-08	0.009	0.008	0.258	0.009	32.202	TRUE	2.29E-08
Overall COPD	IL13	cg13566430	rs7700346	A	G	-0.446	0.030	0.193	6.69E-51	0.020	0.009	0.022	0.057	225.062	TRUE	7.54E-49
Overall COPD	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	0.003	0.007	0.669	0.031	118.669	TRUE	3.84E-27
Overall COPD	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	0.010	0.008	0.212	0.057	224.451	TRUE	4.03E-49
Overall COPD	INF2	cg02305961	rs61758556	T	A	0.219	0.036	0.142	1.25E-09	-0.007	0.009	0.446	0.010	36.873	TRUE	1.91E-09
Overall COPD	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	0.013	0.009	0.156	0.034	131.224	TRUE	1.60E-29
Overall COPD	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	0.019	0.009	0.031	0.013	48.825	TRUE	8.47E-12
Overall COPD	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	-0.006	0.008	0.391	0.008	31.282	TRUE	3.32E-08
Overall COPD	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	0.014	0.007	0.056	0.021	79.141	TRUE	2.45E-18
Overall COPD	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	0.002	0.007	0.731	0.094	383.550	TRUE	3.44E-82
Overall COPD	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	0.003	0.007	0.669	0.018	68.785	TRUE	1.92E-16
Overall COPD	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	-0.013	0.008	0.117	0.017	62.938	TRUE	6.06E-15
Overall COPD	INF2	cg04573078	rs2498802	C	G	0.190	0.025	0.337	1.33E-14	0.017	0.007	0.014	0.016	59.301	TRUE	5.51E-14
Overall COPD	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	0.001	0.007	0.938	0.084	340.911	TRUE	1.24E-73
Overall COPD	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.012	0.011	0.271	0.010	37.644	TRUE	1.47E-09
Overall COPD	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	0.016	0.008	0.040	0.022	84.464	TRUE	1.95E-19
Overall COPD	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	0.016	0.008	0.040	0.023	87.021	TRUE	5.58E-20
Overall COPD	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	0.014	0.013	0.262	0.028	107.959	TRUE	1.13E-24
Overall COPD	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	0.026	0.010	0.007	0.010	35.564	TRUE	7.41E-09
Overall COPD	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	-0.001	0.007	0.875	0.071	282.331	TRUE	1.47E-61
Overall COPD	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	0.011	0.012	0.361	0.093	377.804	TRUE	9.65E-81
Overall COPD	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	0.026	0.010	0.007	0.011	39.333	TRUE	1.15E-09
Overall COPD	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	-0.001	0.007	0.875	0.087	352.114	TRUE	6.94E-76

Overall COPD	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	0.011	0.012	0.361	0.121	508.213	TRUE	6.87E-107
Overall COPD	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	0.003	0.007	0.669	0.011	39.846	TRUE	3.76E-10
Overall COPD	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	0.010	0.015	0.501	0.010	37.103	TRUE	1.64E-09
Overall COPD	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	0.011	0.012	0.363	0.085	345.647	TRUE	3.29E-74
Overall COPD	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	-0.015	0.011	0.185	0.019	71.597	TRUE	7.45E-17
Overall COPD	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	-0.009	0.014	0.529	0.031	116.484	TRUE	1.28E-26
Overall COPD	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	-0.011	0.008	0.146	0.202	937.870	TRUE	6.37E-189
Overall COPD	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	-0.015	0.011	0.171	0.016	58.649	TRUE	4.62E-14
Overall COPD	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	0.012	0.009	0.173	0.012	44.800	TRUE	4.51E-11
Overall COPD	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	-0.011	0.008	0.146	0.023	85.568	TRUE	8.16E-20
Overall COPD	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.012	0.011	0.271	0.010	36.206	TRUE	3.02E-09
Overall COPD	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	0.019	0.009	0.031	0.010	39.191	TRUE	1.00E-09
Overall COPD	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	-0.041	0.070	0.563	0.029	110.722	TRUE	2.09E-25
Overall COPD	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	0.012	0.008	0.133	0.053	207.549	TRUE	1.65E-45
Overall COPD	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	0.004	0.012	0.731	0.100	409.893	TRUE	1.61E-87
Overall COPD	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	-0.002	0.007	0.749	0.023	85.476	TRUE	4.58E-20
Overall COPD	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	-0.014	0.008	0.064	0.032	123.422	TRUE	9.51E-28
Overall COPD	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	0.012	0.008	0.133	0.025	95.952	TRUE	5.12E-22
Overall COPD	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	-0.010	0.010	0.321	0.014	53.866	TRUE	4.21E-13
Overall COPD	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	0.011	0.012	0.363	0.008	30.317	TRUE	5.51E-08
Overall COPD	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	-0.015	0.011	0.171	0.008	31.064	TRUE	4.41E-08
Overall COPD	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	0.005	0.013	0.700	0.044	168.731	TRUE	9.13E-38
Overall COPD	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	-0.001	0.007	0.875	0.055	215.354	TRUE	1.23E-47
Overall COPD	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	-0.009	0.007	0.210	0.010	37.466	TRUE	1.70E-09
Overall COPD	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	0.019	0.009	0.031	0.009	33.252	TRUE	1.93E-08
Overall COPD	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	0.001	0.007	0.940	0.062	243.465	TRUE	1.56E-53
Overall COPD	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	0.011	0.012	0.361	0.083	336.852	TRUE	2.06E-72
Overall COPD	ITPR1	cg02799411	rs2279748	C	G	-0.220	0.025	0.358	6.43E-19	0.010	0.007	0.185	0.021	78.888	TRUE	2.04E-18
Overall COPD	ITPR1	cg03648908	rs11712971	A	G	-0.263	0.029	0.205	9.35E-20	0.003	0.009	0.747	0.022	82.698	TRUE	1.82E-19
Overall COPD	ITPR1	cg03648908	rs140128694	A	G	0.818	0.094	0.032	4.32E-18	0.002	0.022	0.929	0.020	75.131	TRUE	6.87E-18
Overall COPD	ITPR1	cg03648908	rs1550559	A	G	-0.236	0.026	0.269	7.47E-20	0.001	0.008	0.861	0.022	83.140	TRUE	1.35E-19
Overall COPD	ITPR1	cg03648908	rs3805009	A	G	0.726	0.026	0.244	2.25E-173	-0.007	0.008	0.399	0.176	787.526	TRUE	3.81E-161
Overall COPD	ITPR1	cg03648908	rs4685815	T	C	0.628	0.085	0.035	1.71E-13	-0.022	0.019	0.254	0.014	54.286	TRUE	3.64E-13
Overall COPD	ITPR1	cg03836615	rs2304820	C	T	0.328	0.028	0.215	2.90E-31	0.002	0.008	0.760	0.035	135.184	TRUE	1.08E-30
Overall COPD	ITPR1	cg05795849	rs17786144	C	T	0.309	0.034	0.129	2.00E-19	0.008	0.011	0.484	0.021	81.199	TRUE	4.68E-19
Overall COPD	ITPR1	cg05795849	rs2053504	G	A	0.142	0.024	0.409	3.13E-09	0.008	0.007	0.241	0.009	35.080	TRUE	5.46E-09
Overall COPD	ITPR1	cg05795849	rs2633714	G	A	-0.187	0.025	0.326	1.11E-13	-0.006	0.007	0.414	0.015	55.126	TRUE	2.08E-13
Overall COPD	ITPR1	cg05795849	rs3828436	G	T	-0.304	0.024	0.401	2.31E-37	0.007	0.007	0.365	0.042	163.067	TRUE	2.12E-36
Overall COPD	ITPR1	cg05795849	rs901852	T	C	-0.240	0.029	0.183	3.38E-16	0.003	0.013	0.837	0.018	66.530	TRUE	5.29E-16
Overall COPD	ITPR1	cg05795849	rs931387	C	T	-0.175	0.025	0.345	9.96E-13	0.004	0.007	0.614	0.014	50.825	TRUE	1.56E-12
Overall COPD	ITPR1	cg08998950	rs3805015	G	A	0.183	0.033	0.418	1.98E-08	0.008	0.007	0.249	0.008	31.497	TRUE	3.29E-08
Overall COPD	ITPR1	cg08998950	rs75652455	T	C	0.931	0.102	0.023	9.98E-20	-0.004	0.020	0.854	0.022	82.568	TRUE	1.80E-19

Overall COPD	ITPR1	cg08998950	rs901854	G	A	0.463	0.023	0.397	1.60E-87	-0.002	0.008	0.805	0.096	393.065	TRUE	3.63E-84
Overall COPD	ITPR1	cg08998950	rs9838930	C	T	0.217	0.024	0.395	1.83E-19	0.009	0.007	0.233	0.022	81.366	TRUE	5.61E-19
Overall COPD	ITPR1	cg09654471	rs115959858	A	G	-0.414	0.071	0.068	4.59E-09	-0.011	0.014	0.451	0.009	34.339	TRUE	6.83E-09
Overall COPD	ITPR1	cg09654471	rs2639801	G	A	-0.210	0.038	0.300	2.43E-08	0.003	0.008	0.731	0.008	31.099	TRUE	3.06E-08
Overall COPD	ITPR1	cg09654471	rs4685775	G	A	-0.360	0.041	0.099	2.46E-18	-0.013	0.012	0.266	0.020	76.244	TRUE	6.73E-18
Overall COPD	ITPR1	cg09654471	rs73102490	A	G	-1.291	0.037	0.106	1.79E-272	-0.028	0.011	0.013	0.252	1243.190	TRUE	1.87E-243
Overall COPD	ITPR1	cg10887945	rs3792497	T	C	0.178	0.027	0.244	3.28E-11	-0.006	0.008	0.425	0.012	43.977	TRUE	5.44E-11
Overall COPD	ITPR1	cg11584376	rs11922422	C	G	0.237	0.031	0.161	1.79E-14	-0.005	0.009	0.578	0.016	58.722	TRUE	3.07E-14
Overall COPD	ITPR1	cg11584376	rs55963437	T	C	-0.179	0.033	0.139	4.81E-08	0.010	0.010	0.360	0.008	29.774	TRUE	7.27E-08
Overall COPD	ITPR1	cg11584376	rs6781893	T	C	0.215	0.029	0.204	1.60E-13	-0.007	0.008	0.418	0.014	54.409	TRUE	2.96E-13
Overall COPD	ITPR1	cg11584376	rs6785305	A	G	0.224	0.031	0.435	8.50E-13	-0.010	0.007	0.159	0.014	51.136	TRUE	1.96E-12
Overall COPD	ITPR1	cg11584376	rs9880589	G	T	-0.472	0.023	0.452	5.16E-97	-0.001	0.007	0.931	0.106	436.647	TRUE	4.77E-93
Overall COPD	ITPR1	cg11600734	rs2279748	C	G	-0.205	0.025	0.358	1.02E-16	0.010	0.007	0.185	0.018	68.884	TRUE	2.85E-16
Overall COPD	ITPR1	cg13707945	rs4684433	C	T	-0.140	0.025	0.329	1.38E-08	0.006	0.007	0.422	0.009	32.203	TRUE	2.05E-08
Overall COPD	ITPR1	cg18689402	rs115959858	A	G	-0.391	0.071	0.068	3.34E-08	-0.011	0.014	0.451	0.008	30.483	TRUE	4.81E-08
Overall COPD	ITPR1	cg18689402	rs11712103	C	G	-0.350	0.049	0.114	8.14E-13	-0.009	0.010	0.358	0.014	51.220	TRUE	1.53E-12
Overall COPD	ITPR1	cg18689402	rs2639801	G	A	-0.366	0.037	0.300	8.00E-23	0.003	0.008	0.731	0.025	96.664	TRUE	1.84E-22
Overall COPD	ITPR1	cg18689402	rs6785564	G	A	-1.121	0.030	0.143	<1E-200	-0.019	0.010	0.053	0.279	1429.598	TRUE	1.29E-276
Overall COPD	ITPR1	cg19885037	rs7631664	G	A	-0.228	0.029	0.205	3.14E-15	-0.005	0.008	0.497	0.017	62.143	TRUE	5.91E-15
Overall COPD	ITPR1	cg21407899	rs1051559	G	A	0.405	0.030	0.188	9.11E-43	0.014	0.009	0.103	0.048	187.804	TRUE	2.42E-41
Overall COPD	ITPR1	cg21407899	rs13096481	T	C	-0.140	0.025	0.319	3.58E-08	-0.004	0.008	0.626	0.008	30.349	TRUE	4.71E-08
Overall COPD	ITPR1	cg21407899	rs17041507	C	T	1.001	0.118	0.017	2.16E-17	0.031	0.019	0.104	0.019	71.950	TRUE	7.29E-17
Overall COPD	ITPR1	cg26389914	rs11712971	A	G	-0.269	0.029	0.205	4.52E-21	0.003	0.009	0.747	0.023	88.682	TRUE	9.38E-21
Overall COPD	ITPR1	cg26389914	rs143961394	C	T	0.620	0.092	0.032	1.87E-11	0.011	0.022	0.613	0.012	45.080	TRUE	2.78E-11
Overall COPD	ITPR1	cg26389914	rs1550559	A	G	-0.242	0.026	0.269	3.01E-21	0.001	0.008	0.861	0.024	89.491	TRUE	5.78E-21
Overall COPD	ITPR1	cg26389914	rs3805009	A	G	0.737	0.025	0.244	5.40E-186	-0.007	0.008	0.399	0.186	845.537	TRUE	4.07E-172
Overall COPD	ITPR1	cg26389914	rs4685807	G	A	0.211	0.031	0.156	9.58E-12	-0.005	0.009	0.578	0.012	46.387	TRUE	1.47E-11
Overall COPD	ITPR1	cg26389914	rs4685815	T	C	0.602	0.084	0.035	5.96E-13	-0.022	0.019	0.254	0.014	51.833	TRUE	1.24E-12
Overall COPD	ITPRIP	cg02682924	rs10883967	G	A	-0.193	0.032	0.159	2.82E-09	-0.021	0.009	0.020	0.009	35.284	TRUE	7.43E-09
Overall COPD	ITPRIP	cg02682924	rs41291846	T	G	-0.313	0.026	0.283	1.29E-33	-0.038	0.007	2.85E-07	0.038	145.935	TRUE	1.73E-31
Overall COPD	ITPRIP	cg03640944	rs72825857	G	A	-0.846	0.133	0.013	2.05E-10	0.030	0.027	0.260	0.011	40.394	TRUE	3.73E-10
Overall COPD	ITPRIP	cg04935278	rs17884376	G	A	-0.883	0.132	0.014	2.57E-11	0.030	0.027	0.275	0.012	44.456	TRUE	4.81E-11
Overall COPD	ITPRIP	cg05788080	rs147944114	A	G	-2.087	0.116	0.024	1.52E-72	-0.006	0.023	0.800	0.081	324.318	TRUE	3.73E-70
Overall COPD	ITPRIP	cg05788080	rs568801321	T	A	-0.303	0.055	0.047	3.70E-08	-0.043	0.021	0.036	0.008	30.283	TRUE	8.30E-08
Overall COPD	ITPRIP	cg11276172	rs276216	G	A	-0.250	0.025	0.313	5.03E-23	-0.038	0.007	1.10E-07	0.026	97.583	TRUE	2.08E-21
Overall COPD	ITPRIP	cg19640166	rs10883994	C	G	-0.146	0.026	0.307	1.08E-08	-0.040	0.008	1.60E-07	0.009	32.674	TRUE	7.23E-08
Overall COPD	ITPRIP	cg22882506	rs34594271	T	C	0.347	0.055	0.044	3.52E-10	-0.041	0.014	0.004	0.011	39.344	TRUE	1.21E-09
Overall COPD	ITPRIP	cg22882506	rs7095770	G	A	0.400	0.026	0.285	1.18E-54	-0.037	0.007	6.97E-07	0.061	242.273	TRUE	2.34E-51
Overall COPD	ITPRIP	cg23387597	rs72825834	G	T	-0.834	0.133	0.014	3.68E-10	0.031	0.027	0.252	0.011	39.252	TRUE	6.66E-10
Overall COPD	ITPRIP	cg24168991	rs11192059	T	C	0.307	0.036	0.126	5.19E-18	0.021	0.010	0.032	0.020	74.766	TRUE	2.37E-17
Overall COPD	ITPRIP	cg24168991	rs112972485	T	A	-0.529	0.087	0.019	1.19E-09	0.022	0.022	0.309	0.010	36.963	TRUE	2.00E-09
Overall COPD	ITPRIP	cg24168991	rs11594962	T	C	0.419	0.064	0.070	7.40E-11	0.035	0.015	0.021	0.011	42.387	TRUE	2.17E-10

Overall COPD	ITPRIP	cg24168991	rs12570506	A	T	-0.399	0.030	0.158	2.69E-39	-0.014	0.009	0.133	0.044	171.919	TRUE	4.61E-38
Overall COPD	ITPRIP	cg24168991	rs1484247	C	A	-0.170	0.024	0.403	1.28E-12	-0.008	0.007	0.245	0.013	50.335	TRUE	2.63E-12
Overall COPD	ITPRIP	cg24168991	rs17736358	C	T	0.205	0.029	0.223	1.02E-12	0.007	0.008	0.390	0.014	50.769	TRUE	1.86E-12
Overall COPD	ITPRIP	cg24168991	rs17761559	G	T	-0.298	0.047	0.126	3.57E-10	-0.006	0.010	0.552	0.011	39.316	TRUE	5.24E-10
Overall COPD	ITPRIP	cg24168991	rs17885600	T	A	-0.557	0.102	0.012	4.65E-08	-0.002	0.028	0.940	0.008	29.840	TRUE	5.32E-08
Overall COPD	ITPRIP	cg24168991	rs181325500	T	G	-0.545	0.087	0.019	3.93E-10	-0.034	0.023	0.132	0.010	39.124	TRUE	8.12E-10
Overall COPD	ITPRIP	cg24168991	rs186656108	C	T	-0.546	0.097	0.013	2.06E-08	-0.006	0.053	0.908	0.008	31.419	TRUE	2.41E-08
Overall COPD	ITPRIP	cg24168991	rs34970111	T	C	-0.883	0.020	0.444	<1E-200	-0.030	0.007	1.15E-05	0.354	2031.331	TRUE	<1E-200
Overall COPD	ITPRIP	cg24168991	rs35691152	A	C	0.257	0.034	0.128	7.92E-14	0.009	0.010	0.377	0.015	55.795	TRUE	1.53E-13
Overall COPD	ITPRIP	cg24168991	rs600893	G	A	-0.391	0.026	0.261	1.60E-49	-0.026	0.008	8.10E-04	0.056	218.741	TRUE	3.83E-47
Overall COPD	ITPRIP	cg24168991	rs61861269	C	T	-0.440	0.073	0.026	1.33E-09	-0.031	0.022	0.161	0.010	36.749	TRUE	2.57E-09
Overall COPD	ITPRIP	cg24168991	rs7095209	A	G	-0.179	0.028	0.236	9.56E-11	-0.013	0.008	0.108	0.011	41.886	TRUE	2.13E-10
Overall COPD	ITPRIP	cg24168991	rs7095475	C	T	-0.218	0.033	0.153	3.92E-11	-0.015	0.010	0.137	0.012	43.630	TRUE	8.50E-11
Overall COPD	ITPRIP	cg24168991	rs72809849	A	G	0.367	0.054	0.054	1.33E-11	0.011	0.015	0.480	0.012	45.741	TRUE	2.16E-11
Overall COPD	ITPRIP	cg24168991	rs72811687	G	T	-0.266	0.044	0.075	1.22E-09	0.003	0.012	0.830	0.010	36.923	TRUE	1.52E-09
Overall COPD	ITPRIP	cg24168991	rs72823928	C	T	0.216	0.038	0.229	1.20E-08	0.012	0.009	0.164	0.009	32.466	TRUE	2.19E-08
Overall COPD	ITPRIP	cg24168991	rs74473479	G	A	-0.756	0.103	0.017	2.23E-13	0.038	0.029	0.195	0.014	53.760	TRUE	5.07E-13
Overall COPD	ITPRIP	cg24168991	rs79151117	G	A	-0.731	0.088	0.021	6.84E-17	-0.011	0.024	0.639	0.018	69.680	TRUE	1.26E-16
Overall COPD	ITPRIP	cg24168991	rs911547	G	A	-0.242	0.034	0.146	5.78E-13	-0.028	0.010	0.006	0.014	51.891	TRUE	2.38E-12
Overall COPD	ITPRIP	cg24199006	rs10883992	C	A	0.203	0.026	0.289	5.08E-15	-0.038	0.007	1.71E-07	0.016	61.194	TRUE	7.69E-14
Overall COPD	ITPRIP	cg25552843	rs10883994	C	G	-0.216	0.025	0.307	1.22E-17	-0.040	0.008	1.60E-07	0.019	73.081	TRUE	2.55E-16
Overall COPD	ITPRIP	cg27365978	rs10883967	G	A	0.197	0.032	0.159	1.17E-09	-0.021	0.009	0.020	0.010	37.007	TRUE	3.16E-09
Overall COPD	ITPRIP	cg27365978	rs114365861	C	T	0.346	0.061	0.036	1.53E-08	-0.014	0.017	0.412	0.009	31.997	TRUE	2.29E-08
Overall COPD	ITPRIP	cg27365978	rs34594271	T	C	0.340	0.055	0.044	7.97E-10	-0.041	0.014	0.004	0.010	37.747	TRUE	2.66E-09
Overall COPD	ITPRIP	cg27365978	rs61861273	G	A	0.413	0.072	0.027	1.23E-08	-0.031	0.023	0.170	0.009	32.414	TRUE	2.24E-08
Overall COPD	KDM4A	cg00946598	rs10890266	T	C	-0.226	0.024	0.357	9.06E-21	-0.004	0.007	0.614	0.023	87.309	TRUE	2.05E-20
Overall COPD	KDM4A	cg00946598	rs145623194	T	C	0.307	0.054	0.054	1.51E-08	0.001	0.016	0.938	0.009	32.025	TRUE	1.74E-08
Overall COPD	KDM4A	cg00946598	rs61768371	A	G	0.413	0.024	0.368	2.46E-66	-0.018	0.007	0.010	0.074	295.832	TRUE	2.78E-63
Overall COPD	KDM4A	cg05886813	rs112476957	T	C	0.300	0.042	0.090	1.45E-12	-0.010	0.013	0.450	0.013	50.092	TRUE	2.50E-12
Overall COPD	KDM4A	cg05886813	rs11590627	C	T	-0.570	0.024	0.327	2.10E-123	0.004	0.007	0.637	0.131	557.875	TRUE	5.78E-117
Overall COPD	KDM4A	cg05886813	rs12126199	T	C	-0.392	0.066	0.030	2.40E-09	0.013	0.019	0.496	0.010	35.595	TRUE	3.53E-09
Overall COPD	KDM4A	cg05886813	rs12132745	A	G	0.452	0.046	0.068	4.56E-23	0.006	0.013	0.649	0.026	97.776	TRUE	1.13E-22
Overall COPD	KDM4A	cg05886813	rs4660756	T	C	0.262	0.025	0.318	1.80E-25	-0.010	0.008	0.181	0.029	108.732	TRUE	8.88E-25
Overall COPD	KDM4A	cg05886813	rs516921	T	G	0.175	0.030	0.190	4.23E-09	0.018	0.009	0.042	0.009	34.496	TRUE	9.91E-09
Overall COPD	KDM4A	cg05886813	rs6429645	C	G	-0.259	0.032	0.148	4.74E-16	0.027	0.010	0.005	0.017	65.867	TRUE	2.57E-15
Overall COPD	KDM4A	cg05886813	rs72671121	T	A	0.157	0.024	0.412	4.33E-11	-0.008	0.009	0.377	0.012	43.433	TRUE	7.39E-11
Overall COPD	KDM4A	cg05886813	rs78050663	T	A	-0.501	0.047	0.071	6.20E-27	-0.018	0.014	0.203	0.030	115.410	TRUE	3.26E-26
Overall COPD	KDM4A	cg08462360	rs12034875	C	T	-0.190	0.025	0.319	1.10E-14	0.002	0.007	0.741	0.016	59.680	TRUE	1.72E-14
Overall COPD	KDM4A	cg08462360	rs4660756	T	C	0.147	0.025	0.318	3.54E-09	-0.010	0.008	0.181	0.009	34.844	TRUE	6.52E-09
Overall COPD	KDM4A	cg19743044	rs11590627	C	T	-0.643	0.024	0.327	4.76E-160	0.004	0.007	0.637	0.164	726.271	TRUE	1.05E-149
Overall COPD	KDM4A	cg19743044	rs12126199	T	C	-0.465	0.066	0.030	1.33E-12	0.013	0.019	0.496	0.013	50.259	TRUE	2.23E-12
Overall COPD	KDM4A	cg19743044	rs12132745	A	G	0.586	0.046	0.068	5.79E-38	0.006	0.013	0.649	0.043	165.819	TRUE	3.96E-37

Overall COPD	KDM4A	cg19743044	rs1981080	T	G	0.135	0.024	0.487	1.07E-08	-0.009	0.007	0.212	0.009	32.699	TRUE	1.86E-08
Overall COPD	KDM4A	cg19743044	rs201958677	T	A	0.240	0.024	0.353	1.06E-22	-0.016	0.013	0.200	0.025	96.108	TRUE	4.17E-22
Overall COPD	KDM4A	cg19743044	rs2231284	C	T	0.183	0.033	0.139	3.14E-08	0.014	0.010	0.162	0.008	30.600	TRUE	5.62E-08
Overall COPD	KDM4A	cg19743044	rs56072551	T	G	0.309	0.042	0.093	2.50E-13	-0.015	0.012	0.240	0.014	53.540	TRUE	5.36E-13
Overall COPD	KDM4A	cg19743044	rs618369	G	T	0.193	0.035	0.290	3.68E-08	0.026	0.008	1.00E-03	0.008	30.295	TRUE	1.22E-07
Overall COPD	KDM4A	cg19743044	rs6429645	C	G	-0.264	0.032	0.148	1.04E-16	0.027	0.010	0.005	0.018	68.864	TRUE	5.92E-16
Overall COPD	KDM4A	cg19743044	rs78050663	T	A	-0.555	0.047	0.071	8.76E-33	-0.018	0.014	0.203	0.037	142.132	TRUE	7.19E-32
Overall COPD	KDM4A	cg20942219	rs3791033	C	T	-0.216	0.024	0.347	7.79E-19	-0.019	0.007	0.008	0.021	78.511	TRUE	4.91E-18
Overall COPD	KDR	cg01340163	rs11722486	T	G	0.307	0.031	0.188	1.14E-23	0.003	0.009	0.736	0.026	100.526	TRUE	2.72E-23
Overall COPD	KDR	cg07098391	rs12498317	A	G	-0.144	0.026	0.298	1.88E-08	0.016	0.007	0.028	0.008	31.601	TRUE	4.46E-08
Overall COPD	KDR	cg18177533	rs1350542	T	C	0.127	0.023	0.489	4.69E-08	-0.014	0.007	0.033	0.008	29.823	TRUE	1.06E-07
Overall COPD	KDR	cg19420645	rs185919570	T	C	-0.171	0.030	0.174	1.65E-08	-0.007	0.010	0.463	0.009	31.851	TRUE	2.39E-08
Overall COPD	KDR	cg19420645	rs78590050	C	T	0.495	0.037	0.187	2.80E-40	0.003	0.009	0.732	0.046	176.417	TRUE	2.12E-39
Overall COPD	KDR	cg25444386	rs6818203	C	T	0.174	0.031	0.180	2.04E-08	0.004	0.009	0.664	0.008	31.436	TRUE	2.66E-08
Overall COPD	KIF25	cg01134139	rs2636354	C	T	-0.270	0.027	0.343	3.62E-24	-0.017	0.007	0.018	0.027	102.789	TRUE	3.00E-23
Overall COPD	KIF25	cg01134139	rs4708627	G	A	0.466	0.036	0.163	2.77E-39	-0.010	0.009	0.293	0.044	171.863	TRUE	3.35E-38
Overall COPD	KIF25	cg01878651	rs117005976	G	C	0.435	0.042	0.098	1.23E-25	0.020	0.011	0.056	0.029	109.486	TRUE	8.75E-25
Overall COPD	KIF25	cg01878651	rs117460701	T	C	-0.583	0.103	0.033	1.64E-08	-0.011	0.017	0.529	0.009	31.859	TRUE	2.29E-08
Overall COPD	KIF25	cg01878651	rs11964963	C	T	0.248	0.029	0.279	9.20E-18	0.002	0.008	0.789	0.020	73.638	TRUE	1.58E-17
Overall COPD	KIF25	cg01878651	rs227235	T	C	-0.674	0.025	0.325	2.66E-155	-0.017	0.008	0.028	0.160	704.450	TRUE	2.28E-144
Overall COPD	KIF25	cg01878651	rs227239	T	C	0.275	0.035	0.162	4.18E-15	0.010	0.010	0.343	0.016	61.581	TRUE	8.87E-15
Overall COPD	KIF25	cg01878651	rs3734887	T	C	0.245	0.030	0.206	7.24E-16	0.013	0.008	0.114	0.017	65.031	TRUE	2.17E-15
Overall COPD	KIF25	cg01878651	rs649023	T	C	-0.204	0.027	0.373	2.75E-14	-0.003	0.007	0.714	0.015	57.875	TRUE	4.30E-14
Overall COPD	KIF25	cg03119088	rs6455477	A	T	-0.214	0.029	0.279	7.08E-14	0.011	0.008	0.155	0.015	56.016	TRUE	1.75E-13
Overall COPD	KIF25	cg03662475	rs2636354	C	T	-0.162	0.027	0.343	1.35E-09	-0.017	0.007	0.018	0.010	36.727	TRUE	3.67E-09
Overall COPD	KIF25	cg03873264	rs2076664	A	G	0.203	0.035	0.168	5.04E-09	0.000	0.009	0.978	0.009	34.154	TRUE	5.80E-09
Overall COPD	KIF25	cg03873264	rs55996044	A	C	0.163	0.026	0.359	5.27E-10	0.001	0.008	0.889	0.010	38.553	TRUE	6.48E-10
Overall COPD	KIF25	cg03873264	rs57847661	T	A	-0.439	0.043	0.099	5.48E-25	0.015	0.010	0.164	0.028	106.529	TRUE	2.70E-24
Overall COPD	KIF25	cg03873264	rs62426260	G	A	-0.227	0.028	0.289	3.10E-16	0.010	0.009	0.261	0.018	66.701	TRUE	7.60E-16
Overall COPD	KIF25	cg03873264	rs73040830	C	T	-1.791	0.070	0.031	1.74E-144	-0.013	0.019	0.509	0.150	654.748	TRUE	8.75E-136
Overall COPD	KIF25	cg03873264	rs7741791	A	C	-0.305	0.033	0.193	7.08E-21	-0.007	0.009	0.421	0.023	87.796	TRUE	1.90E-20
Overall COPD	KIF25	cg03873264	rs9455926	T	C	-0.193	0.029	0.279	2.44E-11	-0.001	0.007	0.859	0.012	44.554	TRUE	3.17E-11
Overall COPD	KIF25	cg04680494	rs4708629	C	T	-0.157	0.026	0.402	1.51E-09	0.000	0.007	0.956	0.010	36.496	TRUE	1.78E-09
Overall COPD	KIF25	cg05282968	rs6922131	A	G	0.255	0.029	0.260	1.37E-18	0.012	0.008	0.108	0.020	77.392	TRUE	4.95E-18
Overall COPD	KIF25	cg05392263	rs112582432	G	C	0.413	0.036	0.153	5.79E-30	-0.006	0.009	0.545	0.034	129.243	TRUE	2.43E-29
Overall COPD	KIF25	cg05392263	rs12663760	T	C	-0.303	0.044	0.076	7.28E-12	0.008	0.012	0.491	0.013	46.925	TRUE	1.19E-11
Overall COPD	KIF25	cg05392263	rs2636354	C	T	-0.154	0.027	0.343	8.67E-09	-0.017	0.007	0.018	0.009	33.101	TRUE	2.22E-08
Overall COPD	KIF25	cg08476511	rs10455760	T	G	0.178	0.029	0.275	7.19E-10	0.009	0.014	0.500	0.010	37.947	TRUE	1.08E-09
Overall COPD	KIF25	cg08476511	rs227235	T	C	-0.422	0.026	0.325	1.22E-57	-0.017	0.008	0.028	0.065	255.957	TRUE	2.89E-55
Overall COPD	KIF25	cg08476511	rs2516795	G	T	0.180	0.030	0.215	2.23E-09	0.014	0.008	0.089	0.010	35.744	TRUE	4.72E-09
Overall COPD	KIF25	cg08476511	rs4708627	G	A	0.838	0.034	0.163	6.02E-131	-0.010	0.009	0.293	0.138	592.528	TRUE	2.03E-123
Overall COPD	KIF25	cg08476511	rs6900844	A	G	0.354	0.030	0.243	6.91E-33	0.006	0.009	0.507	0.037	142.601	TRUE	3.72E-32

Overall COPD	KIF25	cg08476511	rs739322	A	G	0.462	0.043	0.081	1.78E-26	0.008	0.013	0.540	0.030	113.321	TRUE	5.96E-26
Overall COPD	KIF25	cg08476511	rs9455935	T	C	-0.235	0.029	0.260	8.41E-16	0.012	0.008	0.131	0.017	64.736	TRUE	2.42E-15
Overall COPD	KIF25	cg12003941	rs2516795	G	T	0.175	0.030	0.215	6.18E-09	0.014	0.008	0.089	0.009	33.760	TRUE	1.27E-08
Overall COPD	KIF25	cg12003941	rs4708627	G	A	0.319	0.036	0.163	5.89E-19	-0.010	0.009	0.293	0.021	79.061	TRUE	1.62E-18
Overall COPD	KIF25	cg12003941	rs78769974	T	C	-0.403	0.062	0.047	1.03E-10	-0.002	0.015	0.891	0.011	41.746	TRUE	1.29E-10
Overall COPD	KIF25	cg12003941	rs9295037	T	C	0.613	0.044	0.080	6.32E-45	0.010	0.013	0.425	0.051	197.688	TRUE	1.05E-43
Overall COPD	KIF25	cg13314057	rs57938508	G	A	0.208	0.029	0.260	1.28E-12	0.012	0.008	0.121	0.013	50.339	TRUE	3.10E-12
Overall COPD	KIF25	cg13770417	rs2843005	T	C	0.154	0.028	0.281	4.24E-08	-0.006	0.008	0.462	0.008	30.021	TRUE	6.04E-08
Overall COPD	KIF25	cg13770417	rs41266301	C	T	-1.238	0.039	0.100	2.88E-222	0.021	0.011	0.049	0.215	1012.308	TRUE	2.95E-202
Overall COPD	KIF25	cg13770417	rs4708629	C	T	0.177	0.026	0.402	9.79E-12	0.000	0.007	0.956	0.012	46.344	TRUE	1.22E-11
Overall COPD	KIF25	cg13770417	rs55996044	A	C	0.253	0.026	0.359	3.43E-22	0.001	0.008	0.889	0.025	93.784	TRUE	6.77E-22
Overall COPD	KIF25	cg13770417	rs9455928	A	T	-0.180	0.029	0.279	5.19E-10	-0.001	0.007	0.903	0.010	38.584	TRUE	6.34E-10
Overall COPD	KIF25	cg14316629	rs2843005	T	C	-0.197	0.028	0.281	2.28E-12	-0.006	0.008	0.462	0.013	49.201	TRUE	3.87E-12
Overall COPD	KIF25	cg14316629	rs4708627	G	A	-0.554	0.035	0.163	2.95E-55	-0.010	0.009	0.293	0.062	245.028	TRUE	1.81E-53
Overall COPD	KIF25	cg14316629	rs73042810	C	T	-0.485	0.062	0.049	3.17E-15	-0.003	0.015	0.846	0.017	62.124	TRUE	4.75E-15
Overall COPD	KIF25	cg14316629	rs9295037	T	C	0.760	0.043	0.080	2.43E-69	0.010	0.013	0.425	0.077	309.623	TRUE	6.78E-67
Overall COPD	KIF25	cg15371806	rs227239	T	C	0.767	0.034	0.162	5.94E-114	0.010	0.010	0.343	0.122	514.448	TRUE	4.17E-108
Overall COPD	KIF25	cg15371806	rs2843008	G	A	0.224	0.026	0.355	1.85E-17	-0.004	0.013	0.765	0.019	72.261	TRUE	3.19E-17
Overall COPD	KIF25	cg15371806	rs57161854	T	C	0.601	0.096	0.021	4.17E-10	0.030	0.023	0.200	0.010	39.010	TRUE	7.91E-10
Overall COPD	KIF25	cg15371806	rs9346641	A	T	-0.273	0.029	0.241	5.17E-21	0.006	0.008	0.447	0.023	88.419	TRUE	1.36E-20
Overall COPD	KIF25	cg15371806	rs9455933	T	C	-0.154	0.026	0.444	2.21E-09	0.012	0.007	0.083	0.010	35.757	TRUE	4.75E-09
Overall COPD	KIF25	cg16038269	rs227238	C	G	-0.175	0.027	0.321	8.45E-11	-0.017	0.007	0.018	0.011	42.129	TRUE	2.52E-10
Overall COPD	KIF25	cg16320173	rs9364390	T	G	-0.250	0.045	0.079	2.54E-08	0.017	0.014	0.213	0.008	31.017	TRUE	4.33E-08
Overall COPD	KIF25	cg16912129	rs3823455	G	A	-0.371	0.043	0.099	2.63E-18	0.015	0.010	0.151	0.020	76.109	TRUE	8.51E-18
Overall COPD	KIF25	cg16912129	rs62426260	G	A	-0.173	0.028	0.289	5.99E-10	0.010	0.009	0.261	0.010	38.303	TRUE	1.06E-09
Overall COPD	KIF25	cg16912129	rs6924345	C	G	-0.193	0.032	0.203	2.52E-09	-0.013	0.009	0.128	0.010	35.505	TRUE	5.00E-09
Overall COPD	KIF25	cg16912129	rs73040836	T	G	-1.452	0.072	0.030	2.74E-90	-0.014	0.019	0.471	0.099	405.765	TRUE	1.71E-86
Overall COPD	KIF25	cg16912129	rs7741791	A	C	-0.221	0.033	0.193	1.48E-11	-0.007	0.009	0.421	0.012	45.541	TRUE	2.49E-11
Overall COPD	KIF25	cg18009322	rs227239	T	C	0.374	0.035	0.162	9.19E-27	0.010	0.010	0.343	0.030	114.629	TRUE	3.88E-26
Overall COPD	KIF25	cg18009322	rs2516791	T	C	-0.155	0.026	0.434	1.59E-09	-0.020	0.007	0.006	0.010	36.402	TRUE	4.96E-09
Overall COPD	KIF25	cg18319852	rs10945461	C	T	-0.224	0.027	0.294	3.31E-16	-0.011	0.007	0.153	0.018	66.575	TRUE	9.39E-16
Overall COPD	KIF25	cg18319852	rs9295037	T	C	0.669	0.043	0.080	1.38E-53	0.010	0.013	0.425	0.060	237.371	TRUE	5.57E-52
Overall COPD	KIF25	cg21477075	rs3778670	T	C	0.450	0.036	0.153	2.83E-35	-0.006	0.009	0.545	0.040	153.516	TRUE	1.75E-34
Overall COPD	KIF25	cg21477075	rs6455469	C	T	0.230	0.034	0.163	2.27E-11	0.009	0.009	0.308	0.012	44.695	TRUE	4.15E-11
Overall COPD	KIF25	cg21477075	rs739323	T	G	0.466	0.064	0.043	3.61E-13	0.001	0.016	0.962	0.014	52.818	TRUE	4.70E-13
Overall COPD	KIF25	cg21477075	rs78484265	C	A	0.210	0.038	0.121	3.42E-08	0.015	0.010	0.119	0.008	30.434	TRUE	6.44E-08
Overall COPD	KIF25	cg21477075	rs9455911	G	C	-0.218	0.027	0.352	5.42E-16	-0.005	0.008	0.506	0.017	65.604	TRUE	1.05E-15
Overall COPD	KIF25	cg21477075	rs957382	T	C	-0.477	0.026	0.323	2.83E-73	-0.017	0.007	0.017	0.081	327.670	TRUE	7.40E-70
Overall COPD	KIF25	cg21906947	rs4708628	C	T	-0.198	0.027	0.294	5.23E-13	-0.012	0.007	0.109	0.014	52.088	TRUE	1.33E-12
Overall COPD	KIF25	cg23823000	rs140772139	A	G	-0.218	0.038	0.126	7.57E-09	0.001	0.010	0.923	0.009	33.365	TRUE	8.88E-09
Overall COPD	KIF25	cg23823000	rs4708627	G	A	-0.970	0.034	0.163	1.32E-181	-0.010	0.009	0.293	0.182	825.369	TRUE	3.66E-168
Overall COPD	KIF25	cg23823000	rs4708628	C	T	0.573	0.027	0.294	5.05E-103	-0.012	0.007	0.109	0.112	464.244	TRUE	9.23E-98

Overall COPD	KIF25	cg23823000	rs6900844	A	G	-0.258	0.030	0.243	4.50E-18	0.006	0.009	0.507	0.020	75.050	TRUE	9.64E-18
Overall COPD	KIF25	cg23823000	rs73028311	T	C	-0.608	0.108	0.030	2.02E-08	0.006	0.021	0.757	0.008	31.455	TRUE	2.53E-08
Overall COPD	KIF25	cg23823000	rs73042809	C	A	-0.437	0.059	0.054	8.17E-14	-0.008	0.014	0.538	0.015	55.735	TRUE	1.40E-13
Overall COPD	KIF25	cg24246628	rs10455760	T	G	0.193	0.029	0.275	2.45E-11	0.009	0.014	0.500	0.012	44.551	TRUE	3.88E-11
Overall COPD	KIF25	cg24246628	rs10945461	C	T	-0.399	0.027	0.294	4.25E-49	-0.011	0.007	0.153	0.055	216.804	TRUE	1.84E-47
Overall COPD	KIF25	cg24246628	rs2516795	G	T	0.197	0.030	0.215	6.38E-11	0.014	0.008	0.089	0.011	42.677	TRUE	1.49E-10
Overall COPD	KIF25	cg24246628	rs4708627	G	A	0.825	0.034	0.163	7.54E-127	-0.010	0.009	0.293	0.134	573.699	TRUE	9.95E-120
Overall COPD	KIF25	cg24246628	rs58330333	C	T	0.528	0.043	0.084	1.42E-34	0.015	0.012	0.238	0.039	150.321	TRUE	1.26E-33
Overall COPD	KIF25	cg25945504	rs6455477	A	T	-0.242	0.029	0.279	2.33E-17	0.011	0.008	0.155	0.019	71.807	TRUE	7.06E-17
Overall COPD	KIF25	cg25945504	rs73260879	G	A	-1.974	0.120	0.011	6.78E-61	-0.008	0.031	0.793	0.068	270.879	TRUE	3.81E-59
Overall COPD	KIF25	cg25945504	rs739322	A	G	0.344	0.044	0.081	2.81E-15	0.008	0.013	0.540	0.017	62.363	TRUE	5.14E-15
Overall COPD	KIF25	cg27083466	rs73040836	T	G	-0.617	0.074	0.030	7.96E-17	-0.014	0.019	0.471	0.018	69.382	TRUE	1.65E-16
Overall COPD	KIT	cg01819568	rs3819385	A	G	0.408	0.057	0.049	8.35E-13	-0.009	0.015	0.552	0.014	51.169	TRUE	1.36E-12
Overall COPD	KIT	cg06483432	rs12643659	G	T	-0.495	0.051	0.057	1.86E-22	-0.014	0.014	0.338	0.025	94.998	TRUE	5.97E-22
Overall COPD	KIT	cg06483432	rs3819387	G	A	0.243	0.024	0.386	5.66E-24	-0.013	0.007	0.053	0.027	101.906	TRUE	3.59E-23
Overall COPD	KIT	cg17854066	rs6855603	G	A	-0.200	0.023	0.486	1.35E-17	-0.002	0.007	0.812	0.019	72.880	TRUE	2.28E-17
Overall COPD	KIT	cg18836493	rs981959	G	T	0.367	0.024	0.433	6.13E-55	0.015	0.007	0.027	0.062	243.570	TRUE	1.04E-52
Overall COPD	KIT	cg19041419	rs7684000	T	A	-0.175	0.024	0.407	1.69E-13	-0.015	0.007	0.033	0.014	54.311	TRUE	5.56E-13
Overall COPD	LEPR	cg03514351	rs1171282	A	G	-0.475	0.032	0.162	4.32E-51	0.000	0.009	0.975	0.058	225.932	TRUE	6.76E-50
Overall COPD	LEPR	cg06558372	rs6656451	C	T	0.140	0.023	0.442	2.15E-09	0.014	0.007	0.037	0.010	35.817	TRUE	5.24E-09
Overall COPD	LEPR	cg08922075	rs10889549	A	C	-0.149	0.023	0.458	1.32E-10	0.013	0.007	0.071	0.011	41.253	TRUE	3.15E-10
Overall COPD	LEPR	cg11228758	rs6658922	A	G	-0.159	0.023	0.413	1.08E-11	-0.013	0.007	0.065	0.012	46.148	TRUE	2.80E-11
Overall COPD	LEPR	cg14199090	rs1751483	T	C	0.287	0.024	0.357	2.45E-32	0.024	0.008	0.002	0.036	140.091	TRUE	6.82E-31
Overall COPD	LEPR	cg14199090	rs2767486	G	A	-0.173	0.030	0.191	8.24E-09	-0.003	0.009	0.745	0.009	33.200	TRUE	1.05E-08
Overall COPD	LEPR	cg16265717	rs1171277	A	G	-0.449	0.031	0.161	9.89E-47	0.000	0.009	0.976	0.053	205.959	TRUE	1.02E-45
Overall COPD	LEPR	cg16265717	rs142935509	T	C	-0.636	0.071	0.026	5.49E-19	-0.006	0.021	0.768	0.021	79.199	TRUE	1.01E-18
Overall COPD	LEPR	cg16265717	rs1751492	C	T	0.275	0.025	0.307	3.35E-28	0.018	0.007	0.012	0.032	121.196	TRUE	4.34E-27
Overall COPD	LEPR	cg16265717	rs74986928	G	T	-0.709	0.095	0.014	1.05E-13	0.002	0.032	0.951	0.015	55.247	TRUE	1.40E-13
Overall COPD	LEPR	cg23688719	rs7533108	C	G	0.315	0.026	0.280	8.03E-34	0.018	0.007	0.015	0.038	146.875	TRUE	1.64E-32
Overall COPD	LEPR	cg23688719	rs9436303	G	A	-0.176	0.028	0.250	1.91E-10	-0.015	0.008	0.055	0.011	40.533	TRUE	4.71E-10
Overall COPD	LEPR	cg26876444	rs12145690	C	A	-0.176	0.023	0.458	4.18E-14	0.012	0.007	0.081	0.015	57.053	TRUE	1.21E-13
Overall COPD	LEPROT	cg03853587	rs28429763	G	A	0.140	0.023	0.455	2.14E-09	-0.010	0.007	0.161	0.010	35.821	TRUE	4.09E-09
Overall COPD	LEPROT	cg03853587	rs3806318	G	A	-0.325	0.026	0.257	3.85E-36	0.004	0.008	0.646	0.041	157.479	TRUE	2.29E-35
Overall COPD	LEPROT	cg07342512	rs10493377	G	A	0.161	0.023	0.452	2.56E-12	0.013	0.007	0.073	0.013	48.973	TRUE	6.76E-12
Overall COPD	LEPROT	cg13202122	rs11800909	G	A	0.267	0.044	0.074	1.77E-09	0.000	0.013	1.000	0.010	36.196	TRUE	2.03E-09
Overall COPD	LEPROT	cg13202122	rs12087382	A	T	-0.169	0.025	0.334	1.29E-11	-0.014	0.008	0.070	0.012	45.801	TRUE	3.28E-11
Overall COPD	LEPROT	cg13202122	rs1327119	T	G	0.519	0.023	0.459	4.06E-117	0.008	0.009	0.335	0.125	528.992	TRUE	5.63E-111
Overall COPD	LEPROT	cg13202122	rs17397283	G	A	0.246	0.042	0.076	4.69E-09	-0.010	0.013	0.441	0.009	34.296	TRUE	7.02E-09
Overall COPD	LEPROT	cg13202122	rs4916047	A	G	-0.200	0.024	0.480	1.60E-17	-0.006	0.007	0.384	0.019	72.548	TRUE	3.70E-17
Overall COPD	LEPROT	cg13202122	rs72641130	C	T	0.179	0.032	0.168	2.00E-08	0.017	0.017	0.320	0.008	31.478	TRUE	3.15E-08
Overall COPD	LEPROT	cg14976592	rs10493377	G	A	1.027	0.016	0.452	<1E-200	0.013	0.007	0.073	0.532	4200.495	TRUE	<1E-200
Overall COPD	LEPROT	cg14976592	rs114403972	G	A	-0.214	0.032	0.173	1.22E-11	-0.014	0.010	0.143	0.012	45.921	TRUE	2.69E-11

Overall COPD	LEPROT	cg14976592	rs115291616	C	T	-0.368	0.049	0.069	4.07E-14	-0.022	0.014	0.122	0.015	57.103	TRUE	1.08E-13
Overall COPD	LEPROT	cg14976592	rs12087382	A	T	-0.348	0.025	0.334	2.04E-44	-0.014	0.008	0.070	0.050	195.355	TRUE	7.43E-43
Overall COPD	LEPROT	cg14976592	rs12116840	C	G	0.264	0.035	0.127	4.43E-14	0.011	0.010	0.265	0.015	56.938	TRUE	9.63E-14
Overall COPD	LEPROT	cg14976592	rs12403430	G	T	0.516	0.071	0.030	3.90E-13	0.035	0.022	0.114	0.014	52.666	TRUE	9.88E-13
Overall COPD	LEPROT	cg14976592	rs17127618	G	C	0.215	0.033	0.152	6.55E-11	-0.006	0.010	0.582	0.011	42.626	TRUE	9.72E-11
Overall COPD	LEPROT	cg14976592	rs17397283	G	A	0.431	0.042	0.076	1.42E-24	-0.010	0.013	0.441	0.028	104.640	TRUE	4.67E-24
Overall COPD	LEPROT	cg14976592	rs17407594	A	G	-0.305	0.033	0.166	1.09E-20	-0.016	0.010	0.097	0.023	86.940	TRUE	4.66E-20
Overall COPD	LEPROT	cg14976592	rs4655739	T	A	0.409	0.032	0.171	1.81E-38	0.018	0.010	0.080	0.043	168.126	TRUE	3.48E-37
Overall COPD	LEPROT	cg14976592	rs4916047	A	G	-0.380	0.023	0.480	8.10E-60	-0.006	0.007	0.384	0.067	265.941	TRUE	7.17E-58
Overall COPD	LEPROT	cg14976592	rs7546527	A	G	-0.521	0.090	0.016	8.47E-09	0.009	0.049	0.848	0.009	33.147	TRUE	1.03E-08
Overall COPD	LEPROT	cg14976592	rs79624796	G	A	-0.479	0.062	0.072	9.20E-15	0.005	0.012	0.704	0.016	60.028	TRUE	1.48E-14
Overall COPD	LEPROT	cg14976592	rs80131221	C	T	-0.360	0.057	0.045	2.87E-10	0.006	0.018	0.754	0.011	39.741	TRUE	3.80E-10
Overall COPD	LEPROT	cg14976592	rs9436276	A	G	-0.445	0.067	0.070	3.29E-11	-0.003	0.015	0.849	0.012	43.972	TRUE	4.28E-11
Overall COPD	LGALS8	cg01030476	rs10925181	G	A	0.249	0.033	0.143	6.74E-14	-0.012	0.010	0.220	0.015	56.113	TRUE	1.53E-13
Overall COPD	LGALS8	cg01030476	rs12135604	C	A	0.571	0.025	0.293	9.19E-112	-0.015	0.007	0.052	0.120	504.390	TRUE	1.50E-105
Overall COPD	LGALS8	cg01030476	rs2435261	T	C	0.252	0.040	0.093	3.60E-10	-0.002	0.011	0.830	0.011	39.295	TRUE	4.58E-10
Overall COPD	LGALS8	cg01030476	rs61135021	C	G	0.203	0.027	0.257	2.42E-14	-0.012	0.009	0.186	0.015	58.128	TRUE	5.86E-14
Overall COPD	LGALS8	cg01030476	rs707217	G	A	0.142	0.025	0.327	1.23E-08	-0.015	0.007	0.044	0.009	32.423	TRUE	2.77E-08
Overall COPD	LGALS8	cg01030476	rs76913714	C	G	0.509	0.075	0.026	1.37E-11	-0.001	0.022	0.947	0.012	45.680	TRUE	1.72E-11
Overall COPD	LGALS8	cg01809927	rs10802552	T	C	0.439	0.042	0.076	2.21E-25	-0.008	0.015	0.580	0.028	108.333	TRUE	6.65E-25
Overall COPD	LGALS8	cg01809927	rs10925158	A	G	0.310	0.053	0.101	4.42E-09	0.002	0.014	0.895	0.009	34.411	TRUE	5.28E-09
Overall COPD	LGALS8	cg01809927	rs114507560	A	G	0.451	0.066	0.064	6.07E-12	0.004	0.017	0.812	0.013	47.281	TRUE	8.24E-12
Overall COPD	LGALS8	cg01809927	rs12088366	A	C	0.457	0.043	0.079	6.38E-26	-0.011	0.015	0.446	0.029	110.790	TRUE	2.27E-25
Overall COPD	LGALS8	cg01809927	rs145576998	A	C	-0.454	0.063	0.065	6.96E-13	0.010	0.016	0.525	0.014	51.527	TRUE	1.16E-12
Overall COPD	LGALS8	cg01809927	rs2758993	A	G	0.839	0.021	0.320	<1E-200	-0.018	0.008	0.025	0.297	1559.259	TRUE	1.42E-298
Overall COPD	LGALS8	cg01809927	rs4659707	G	A	0.352	0.024	0.387	1.74E-50	-0.011	0.007	0.107	0.057	223.164	TRUE	1.03E-48
Overall COPD	LGALS8	cg01809927	rs594911	C	G	0.391	0.045	0.073	1.87E-18	-0.023	0.014	0.090	0.020	76.781	TRUE	7.00E-18
Overall COPD	LGALS8	cg01809927	rs707213	A	G	0.581	0.072	0.030	7.60E-16	-0.017	0.021	0.416	0.017	64.937	TRUE	1.57E-15
Overall COPD	LGALS8	cg03082060	rs10925155	A	T	0.333	0.026	0.283	2.92E-37	0.001	0.008	0.924	0.042	162.604	TRUE	1.44E-36
Overall COPD	LGALS8	cg03082060	rs113243866	A	G	-0.333	0.041	0.077	5.94E-16	0.039	0.013	0.002	0.017	65.421	TRUE	3.59E-15
Overall COPD	LGALS8	cg03989567	rs10925158	A	G	0.831	0.052	0.101	4.53E-57	0.002	0.014	0.895	0.064	253.340	TRUE	1.45E-55
Overall COPD	LGALS8	cg03989567	rs653737	C	T	0.276	0.031	0.172	1.03E-18	0.021	0.010	0.029	0.021	77.968	TRUE	5.04E-18
Overall COPD	LGALS8	cg05338187	rs10925181	G	A	0.261	0.033	0.143	4.21E-15	-0.012	0.010	0.220	0.016	61.568	TRUE	1.02E-14
Overall COPD	LGALS8	cg05338187	rs12127905	G	A	0.221	0.039	0.099	1.27E-08	-0.003	0.011	0.763	0.009	32.367	TRUE	1.58E-08
Overall COPD	LGALS8	cg05338187	rs12135604	C	A	0.603	0.025	0.293	1.47E-125	-0.015	0.007	0.052	0.133	567.769	TRUE	4.95E-118
Overall COPD	LGALS8	cg05338187	rs12136869	A	G	0.355	0.064	0.070	2.62E-08	-0.011	0.018	0.546	0.008	30.955	TRUE	3.60E-08
Overall COPD	LGALS8	cg05338187	rs61135021	C	G	0.222	0.027	0.257	6.99E-17	-0.012	0.009	0.186	0.018	69.637	TRUE	1.96E-16
Overall COPD	LGALS8	cg05338187	rs707217	G	A	0.142	0.025	0.327	1.29E-08	-0.015	0.007	0.044	0.009	32.335	TRUE	2.90E-08
Overall COPD	LGALS8	cg05338187	rs76913714	C	G	0.547	0.075	0.026	3.76E-13	-0.001	0.022	0.947	0.014	52.738	TRUE	4.93E-13
Overall COPD	LGALS8	cg06118122	rs2758168	C	T	-0.182	0.026	0.284	2.53E-12	-0.013	0.008	0.096	0.013	48.997	TRUE	6.33E-12
Overall COPD	LGALS8	cg06118122	rs74363289	T	C	0.365	0.057	0.043	1.68E-10	0.003	0.017	0.848	0.011	40.787	TRUE	2.14E-10
Overall COPD	LGALS8	cg07913153	rs12404538	C	T	0.233	0.026	0.285	2.20E-19	0.001	0.008	0.924	0.021	81.009	TRUE	3.71E-19

Overall COPD	LGALS8	cg08137948	rs2564741	G	A	0.389	0.024	0.373	8.29E-61	-0.016	0.007	0.023	0.068	270.480	TRUE	3.20E-58
Overall COPD	LGALS8	cg08137948	rs6688531	T	C	0.262	0.040	0.095	3.73E-11	-0.022	0.012	0.078	0.012	43.728	TRUE	9.03E-11
Overall COPD	LGALS8	cg08169200	rs2385494	C	T	0.178	0.030	0.190	3.56E-09	-0.011	0.009	0.236	0.009	34.830	TRUE	6.22E-09
Overall COPD	LGALS8	cg08169200	rs4612616	G	C	0.393	0.071	0.026	3.71E-08	0.015	0.021	0.468	0.008	30.277	TRUE	5.29E-08
Overall COPD	LGALS8	cg08169200	rs766124	A	C	0.359	0.024	0.357	1.96E-50	-0.015	0.007	0.035	0.057	222.926	TRUE	1.78E-48
Overall COPD	LGALS8	cg09334514	rs2853624	T	G	0.369	0.026	0.297	2.20E-47	-0.015	0.007	0.052	0.053	208.952	TRUE	1.22E-45
Overall COPD	LGALS8	cg09334514	rs6684467	G	C	0.234	0.037	0.111	2.92E-10	-0.014	0.013	0.279	0.011	39.703	TRUE	5.18E-10
Overall COPD	LGALS8	cg13444964	rs140705131	A	G	0.566	0.083	0.014	1.03E-11	-0.037	0.031	0.238	0.012	46.249	TRUE	2.04E-11
Overall COPD	LGALS8	cg14252149	rs10925158	A	G	0.351	0.053	0.101	4.48E-11	0.002	0.014	0.895	0.012	43.370	TRUE	5.66E-11
Overall COPD	LGALS8	cg14252149	rs10925179	C	T	0.582	0.033	0.141	2.58E-70	-0.009	0.010	0.336	0.078	314.085	TRUE	9.78E-68
Overall COPD	LGALS8	cg14252149	rs10925200	T	G	0.242	0.035	0.141	5.41E-12	-0.011	0.011	0.312	0.013	47.508	TRUE	1.01E-11
Overall COPD	LGALS8	cg14252149	rs10925210	A	T	0.361	0.024	0.354	3.79E-51	-0.012	0.008	0.129	0.058	226.194	TRUE	2.22E-49
Overall COPD	LGALS8	cg14252149	rs113500777	T	A	0.838	0.071	0.031	2.01E-32	-0.009	0.021	0.669	0.037	140.484	TRUE	8.84E-32
Overall COPD	LGALS8	cg14252149	rs115660621	T	C	-0.489	0.064	0.066	1.66E-14	0.012	0.014	0.414	0.016	58.863	TRUE	3.23E-14
Overall COPD	LGALS8	cg14252149	rs12069618	A	G	0.285	0.049	0.061	5.32E-09	0.003	0.014	0.858	0.009	34.049	TRUE	6.46E-09
Overall COPD	LGALS8	cg14252149	rs1252108	A	G	-0.169	0.024	0.444	1.58E-12	0.002	0.007	0.812	0.013	49.916	TRUE	2.19E-12
Overall COPD	LGALS8	cg14252149	rs144672563	A	G	0.541	0.067	0.060	9.92E-16	0.014	0.018	0.450	0.017	64.411	TRUE	1.98E-15
Overall COPD	LGALS8	cg14252149	rs1652228	C	T	0.782	0.034	0.129	4.56E-116	-0.013	0.011	0.256	0.124	524.167	TRUE	6.36E-110
Overall COPD	LGALS8	cg14252149	rs2712828	T	C	0.219	0.033	0.158	3.97E-11	-0.013	0.010	0.212	0.012	43.605	TRUE	7.83E-11
Overall COPD	LGALS8	cg14252149	rs35311500	G	C	0.502	0.050	0.057	2.45E-23	-0.017	0.018	0.365	0.026	99.006	TRUE	8.07E-23
Overall COPD	LGALS8	cg14252149	rs630101	G	A	0.905	0.025	0.213	5.68E-294	-0.018	0.010	0.081	0.266	1342.066	TRUE	1.52E-261
Overall COPD	LGALS8	cg14252149	rs72760210	T	C	0.657	0.084	0.022	5.68E-15	-0.011	0.022	0.600	0.016	60.975	TRUE	9.84E-15
Overall COPD	LGALS8	cg14252149	rs73113054	T	C	0.960	0.143	0.011	1.95E-11	0.030	0.038	0.433	0.012	44.991	TRUE	3.25E-11
Overall COPD	LGALS8	cg14252149	rs76913714	C	G	0.945	0.075	0.026	1.27E-36	-0.001	0.022	0.947	0.041	159.684	TRUE	5.84E-36
Overall COPD	LGALS8	cg14252149	rs78605459	A	G	-0.283	0.032	0.147	4.78E-19	0.000	0.009	0.965	0.021	79.474	TRUE	7.74E-19
Overall COPD	LGALS8	cg14252149	rs79149380	T	G	0.431	0.070	0.051	8.83E-10	-0.014	0.013	0.277	0.010	37.547	TRUE	1.53E-09
Overall COPD	LGALS8	cg14252149	rs819434	T	G	1.120	0.020	0.248	<1E-200	-0.014	0.010	0.162	0.459	3133.537	TRUE	<1E-200
Overall COPD	LGALS8	cg18322510	rs116216640	T	C	0.445	0.070	0.030	2.62E-10	0.001	0.020	0.959	0.011	39.921	TRUE	3.14E-10
Overall COPD	LGALS8	cg18322510	rs12135604	C	A	0.604	0.025	0.293	1.27E-125	-0.015	0.007	0.052	0.133	568.070	TRUE	4.32E-118
Overall COPD	LGALS8	cg18322510	rs12136869	A	G	0.351	0.064	0.070	3.72E-08	-0.011	0.018	0.546	0.008	30.272	TRUE	5.09E-08
Overall COPD	LGALS8	cg18322510	rs488306	T	C	0.253	0.040	0.096	1.86E-10	-0.004	0.011	0.756	0.011	40.587	TRUE	2.47E-10
Overall COPD	LGALS8	cg18322510	rs61135021	C	G	0.219	0.027	0.257	2.18E-16	-0.012	0.009	0.186	0.018	67.399	TRUE	5.93E-16
Overall COPD	LGALS8	cg18322510	rs707217	G	A	0.136	0.025	0.327	4.97E-08	-0.015	0.007	0.044	0.008	29.712	TRUE	1.08E-07
Overall COPD	LGALS8	cg18322510	rs73124727	A	G	0.377	0.045	0.076	3.24E-17	-0.020	0.013	0.134	0.019	71.152	TRUE	1.01E-16
Overall COPD	LGALS8	cg22596738	rs2758991	T	A	0.182	0.027	0.254	1.18E-11	0.016	0.008	0.052	0.012	45.977	TRUE	3.18E-11
Overall COPD	LIPA	cg09060654	rs111732611	C	T	-0.646	0.116	0.019	2.39E-08	-0.014	0.026	0.575	0.008	31.129	TRUE	3.25E-08
Overall COPD	LIPA	cg09060654	rs12780342	T	C	0.652	0.044	0.150	4.24E-50	-0.020	0.010	0.045	0.056	221.388	TRUE	3.38E-48
Overall COPD	LIPA	cg09060654	rs1412445	T	C	0.181	0.024	0.338	1.64E-13	-0.010	0.007	0.150	0.014	54.370	TRUE	3.99E-13
Overall COPD	LIPA	cg09060654	rs150746801	T	G	0.693	0.112	0.018	5.36E-10	-0.049	0.027	0.067	0.010	38.520	TRUE	1.24E-09
Overall COPD	LIPA	cg09060654	rs2031610	C	T	-0.134	0.024	0.357	2.97E-08	0.009	0.007	0.185	0.008	30.713	TRUE	5.18E-08
Overall COPD	LIPA	cg09060654	rs2266006	A	G	0.155	0.027	0.237	1.01E-08	-0.020	0.009	0.026	0.009	32.804	TRUE	2.47E-08
Overall COPD	LIPA	cg09060654	rs2297473	G	T	-0.249	0.025	0.301	1.30E-22	-0.003	0.008	0.710	0.025	95.704	TRUE	3.00E-22

Overall COPD	LIPA	cg09060654	rs304450	G	A	0.169	0.030	0.187	1.55E-08	-0.014	0.008	0.102	0.009	31.971	TRUE	3.06E-08
Overall COPD	LIPA	cg09060654	rs67837568	T	C	0.419	0.075	0.029	2.42E-08	-0.015	0.020	0.459	0.008	31.110	TRUE	3.48E-08
Overall COPD	LIPA	cg09060654	rs9421696	T	A	0.152	0.027	0.249	2.21E-08	-0.003	0.008	0.716	0.008	31.281	TRUE	2.81E-08
Overall COPD	LIPA	cg09797463	rs1412444	T	C	-0.163	0.024	0.338	3.04E-11	-0.010	0.007	0.157	0.012	44.128	TRUE	6.44E-11
Overall COPD	LIPA	cg09797463	rs2096401	C	T	-0.201	0.025	0.318	7.36E-16	0.018	0.007	0.016	0.017	64.999	TRUE	3.28E-15
Overall COPD	LIPA	cg09797463	rs2801524	A	G	0.150	0.026	0.277	9.66E-09	-0.007	0.008	0.387	0.009	32.890	TRUE	1.48E-08
Overall COPD	LIPA	cg11772224	rs12262734	C	A	0.248	0.045	0.074	4.11E-08	0.015	0.013	0.243	0.008	30.082	TRUE	6.76E-08
Overall COPD	LIPA	cg11772224	rs2250781	C	A	-0.214	0.023	0.475	2.62E-20	0.005	0.007	0.487	0.023	85.210	TRUE	6.42E-20
Overall COPD	LIPA	cg12529006	rs12247969	C	A	-0.252	0.023	0.476	4.97E-27	0.005	0.007	0.500	0.030	115.848	TRUE	1.79E-26
Overall COPD	LIPA	cg12529006	rs12262734	C	A	0.730	0.045	0.074	2.22E-58	0.015	0.013	0.243	0.066	259.350	TRUE	2.19E-56
Overall COPD	LIPA	cg12529006	rs3802657	T	G	0.203	0.036	0.108	1.13E-08	-0.009	0.009	0.358	0.009	32.586	TRUE	1.76E-08
Overall COPD	LIPA	cg12555086	rs112517700	A	G	-0.534	0.066	0.036	5.42E-16	-0.020	0.017	0.229	0.017	65.603	TRUE	1.36E-15
Overall COPD	LIPA	cg12555086	rs1412445	T	C	-1.070	0.017	0.338	<1E-200	-0.010	0.007	0.150	0.521	4025.671	TRUE	<1E-200
Overall COPD	LIPA	cg12555086	rs188493056	A	C	-0.756	0.091	0.018	1.36E-16	-0.023	0.026	0.374	0.018	68.320	TRUE	3.04E-16
Overall COPD	LIPA	cg12555086	rs2266006	A	G	-0.150	0.027	0.237	3.11E-08	-0.020	0.009	0.026	0.008	30.621	TRUE	7.34E-08
Overall COPD	LIPA	cg12555086	rs303195	G	T	0.211	0.025	0.339	1.23E-17	0.004	0.007	0.547	0.019	73.063	TRUE	2.50E-17
Overall COPD	LIPA	cg12555086	rs3802657	T	G	-0.362	0.036	0.108	2.75E-24	-0.009	0.009	0.358	0.027	103.336	TRUE	9.69E-24
Overall COPD	LIPA	cg12555086	rs4933503	G	T	-0.335	0.031	0.164	2.06E-26	-0.001	0.009	0.912	0.030	113.031	TRUE	5.00E-26
Overall COPD	LIPA	cg12555086	rs6586196	C	T	0.209	0.026	0.278	1.22E-15	0.008	0.008	0.303	0.017	64.003	TRUE	2.77E-15
Overall COPD	LIPA	cg12555086	rs7096524	A	G	0.288	0.027	0.257	7.48E-26	0.013	0.008	0.120	0.029	110.477	TRUE	4.33E-25
Overall COPD	LIPA	cg12555086	rs7099595	G	T	-0.168	0.024	0.435	1.33E-12	0.002	0.007	0.769	0.013	50.255	TRUE	1.89E-12
Overall COPD	LIPA	cg12555086	rs74946827	G	A	-0.544	0.049	0.055	1.13E-28	-0.018	0.015	0.227	0.032	123.352	TRUE	6.45E-28
Overall COPD	LIPA	cg12555086	rs7912312	G	A	0.155	0.026	0.269	3.61E-09	0.004	0.008	0.648	0.009	34.804	TRUE	4.86E-09
Overall COPD	LIPA	cg13931663	rs1556478	T	C	0.444	0.025	0.301	2.45E-70	-0.004	0.007	0.583	0.078	314.191	TRUE	6.05E-68
Overall COPD	LIPA	cg13931663	rs304498	A	G	0.170	0.029	0.208	4.88E-09	-0.011	0.008	0.182	0.009	34.219	TRUE	8.91E-09
Overall COPD	LIPA	cg15406666	rs2250398	A	G	-0.341	0.023	0.475	3.44E-51	0.007	0.007	0.311	0.058	226.384	TRUE	1.30E-49
Overall COPD	LIPA	cg15406666	rs35472070	A	G	0.214	0.036	0.130	2.02E-09	0.004	0.010	0.724	0.010	35.932	TRUE	2.64E-09
Overall COPD	LIPA	cg16398628	rs10430644	C	T	0.242	0.032	0.161	3.10E-14	0.003	0.009	0.765	0.015	57.639	TRUE	4.69E-14
Overall COPD	LIPA	cg16398628	rs112517700	A	G	0.448	0.066	0.036	1.06E-11	-0.020	0.017	0.229	0.012	46.194	TRUE	2.11E-11
Overall COPD	LIPA	cg16398628	rs12359459	G	A	0.256	0.042	0.085	6.75E-10	-0.009	0.012	0.459	0.010	38.072	TRUE	1.03E-09
Overall COPD	LIPA	cg16398628	rs12415827	A	G	0.303	0.049	0.128	5.20E-10	-0.031	0.010	0.002	0.010	38.580	TRUE	1.88E-09
Overall COPD	LIPA	cg16398628	rs160052	T	C	0.183	0.026	0.280	1.57E-12	-0.009	0.008	0.282	0.013	49.937	TRUE	3.09E-12
Overall COPD	LIPA	cg16398628	rs1937336	T	A	0.183	0.025	0.343	1.67E-13	-0.002	0.007	0.722	0.014	54.335	TRUE	2.51E-13
Overall COPD	LIPA	cg16398628	rs2246949	C	T	-1.006	0.017	0.475	<1E-200	0.005	0.007	0.500	0.495	3622.303	TRUE	<1E-200
Overall COPD	LIPA	cg16398628	rs303197	T	C	-0.155	0.025	0.339	3.48E-10	0.007	0.007	0.365	0.011	39.363	TRUE	5.75E-10
Overall COPD	LIPA	cg16398628	rs3802657	T	G	0.250	0.036	0.108	2.19E-12	-0.009	0.009	0.358	0.013	49.275	TRUE	4.03E-12
Overall COPD	LIPA	cg16398628	rs41284138	C	T	-0.392	0.067	0.034	4.65E-09	0.005	0.020	0.786	0.009	34.313	TRUE	5.84E-09
Overall COPD	LIPA	cg16398628	rs61853098	A	G	0.499	0.036	0.130	7.88E-44	0.004	0.010	0.698	0.050	192.671	TRUE	8.42E-43
Overall COPD	LIPA	cg16398628	rs7096524	A	G	-0.297	0.027	0.257	1.14E-27	0.013	0.008	0.120	0.031	118.766	TRUE	7.58E-27
Overall COPD	LIPA	cg16398628	rs74946827	G	A	0.320	0.049	0.055	7.74E-11	-0.018	0.015	0.227	0.011	42.300	TRUE	1.48E-10
Overall COPD	LIPA	cg16398628	rs928415	A	G	0.514	0.037	0.111	2.37E-43	-0.001	0.011	0.924	0.049	190.481	TRUE	1.91E-42
Overall COPD	LIPA	cg17741809	rs10887909	G	A	-0.177	0.030	0.174	5.63E-09	0.008	0.008	0.333	0.009	33.939	TRUE	9.02E-09

Overall COPD	LIPA	cg17741809	rs12415827	A	G	0.821	0.047	0.128	6.27E-68	-0.031	0.010	0.002	0.076	303.143	TRUE	1.42E-64
Overall COPD	LIPA	cg17741809	rs138097828	A	G	0.481	0.074	0.023	7.75E-11	-0.004	0.020	0.855	0.011	42.297	TRUE	9.93E-11
Overall COPD	LIPA	cg17741809	rs1412445	T	C	0.206	0.024	0.338	3.97E-17	-0.010	0.007	0.150	0.019	70.753	TRUE	1.20E-16
Overall COPD	LIPA	cg17741809	rs2297473	G	T	-0.258	0.025	0.301	3.66E-24	-0.003	0.008	0.710	0.027	102.768	TRUE	9.21E-24
Overall COPD	LIPA	cg17741809	rs304450	G	A	0.183	0.030	0.187	9.59E-10	-0.014	0.008	0.102	0.010	37.386	TRUE	2.03E-09
Overall COPD	LIPA	cg17741809	rs67837568	T	C	0.498	0.075	0.029	3.30E-11	-0.015	0.020	0.459	0.012	43.965	TRUE	5.35E-11
Overall COPD	LIPA	cg17741809	rs7901656	C	T	-0.143	0.025	0.333	7.11E-09	0.003	0.007	0.680	0.009	33.486	TRUE	9.33E-09
Overall COPD	LIPA	cg17741809	rs9421696	T	A	0.184	0.027	0.249	1.17E-11	-0.003	0.008	0.716	0.012	45.992	TRUE	1.66E-11
Overall COPD	LIPA	cg20483560	rs12262734	C	A	0.427	0.045	0.074	2.34E-21	0.015	0.013	0.243	0.024	89.989	TRUE	7.91E-21
Overall COPD	LIPA	cg20483560	rs12359459	G	A	0.242	0.041	0.085	3.68E-09	-0.009	0.012	0.459	0.009	34.766	TRUE	5.48E-09
Overall COPD	LIPA	cg20483560	rs1937336	T	A	0.142	0.025	0.343	7.43E-09	-0.002	0.007	0.722	0.009	33.401	TRUE	9.55E-09
Overall COPD	LIPA	cg20483560	rs2250398	A	G	-0.671	0.020	0.475	1.78E-237	0.007	0.007	0.311	0.226	1082.247	TRUE	8.68E-216
Overall COPD	LIPA	cg20483560	rs2902563	C	T	0.269	0.037	0.108	4.23E-13	0.000	0.012	0.974	0.014	52.504	TRUE	5.46E-13
Overall COPD	LIPA	cg20483560	rs7096524	A	G	-0.175	0.027	0.257	9.92E-11	0.013	0.008	0.120	0.011	41.814	TRUE	2.16E-10
Overall COPD	LIPA	cg20592345	rs1332329	C	A	0.375	0.024	0.345	1.12E-54	-0.009	0.007	0.208	0.061	242.364	TRUE	7.82E-53
Overall COPD	LIPA	cg20592345	rs7901936	T	C	0.510	0.073	0.031	2.25E-12	-0.009	0.019	0.628	0.013	49.226	TRUE	3.44E-12
Overall COPD	LOC100132724	cg19949776	rs11632323	T	A	0.495	0.031	0.175	2.80E-59	0.022	0.009	0.019	0.066	263.468	TRUE	9.47E-57
Overall COPD	LOC100132724	cg19949776	rs118136423	T	C	0.624	0.065	0.042	6.68E-22	-0.003	0.020	0.881	0.024	92.466	TRUE	1.31E-21
Overall COPD	LOC100132724	cg19949776	rs11857513	A	G	-0.445	0.071	0.026	3.36E-10	0.019	0.019	0.322	0.011	39.435	TRUE	5.73E-10
Overall COPD	LOC100132724	cg19949776	rs12905736	A	G	-0.170	0.026	0.271	6.62E-11	0.010	0.008	0.197	0.011	42.604	TRUE	1.31E-10
Overall COPD	LOC100132724	cg19949776	rs146676154	C	T	-0.558	0.068	0.029	1.62E-16	0.009	0.018	0.600	0.018	67.982	TRUE	3.00E-16
Overall COPD	LOC100132724	cg19949776	rs149451788	C	T	0.571	0.057	0.045	1.29E-23	0.004	0.019	0.819	0.026	100.282	TRUE	2.88E-23
Overall COPD	LOC100132724	cg19949776	rs150018499	A	T	0.600	0.096	0.015	4.73E-10	-0.039	0.028	0.156	0.010	38.764	TRUE	9.41E-10
Overall COPD	LOC100132724	cg19949776	rs150420855	A	G	-0.594	0.099	0.015	2.11E-09	-0.026	0.028	0.340	0.010	35.852	TRUE	3.42E-09
Overall COPD	LOC100132724	cg19949776	rs16964178	C	G	-0.554	0.029	0.192	5.52E-82	-0.004	0.009	0.694	0.090	367.645	TRUE	6.20E-79
Overall COPD	LOC100132724	cg19949776	rs17599663	C	G	-0.623	0.065	0.030	5.06E-22	-0.024	0.019	0.206	0.025	93.015	TRUE	1.89E-21
Overall COPD	LOC100132724	cg19949776	rs17600375	T	C	0.673	0.031	0.162	3.91E-107	-0.003	0.009	0.690	0.116	483.129	TRUE	3.44E-102
Overall COPD	LOC100132724	cg19949776	rs17601241	A	G	0.463	0.040	0.089	9.66E-31	-0.010	0.012	0.380	0.035	132.796	TRUE	5.15E-30
Overall COPD	LOC100132724	cg19949776	rs2124872	A	G	-0.176	0.030	0.184	4.12E-09	-0.004	0.009	0.642	0.009	34.547	TRUE	5.55E-09
Overall COPD	LOC100132724	cg19949776	rs2445750	T	C	-0.249	0.026	0.298	7.69E-22	0.009	0.007	0.220	0.024	92.186	TRUE	2.78E-21
Overall COPD	LOC100132724	cg19949776	rs34917130	C	T	0.283	0.036	0.124	3.62E-15	-0.005	0.011	0.666	0.016	61.861	TRUE	6.05E-15
Overall COPD	LOC100132724	cg19949776	rs3751591	G	A	0.240	0.044	0.156	4.22E-08	-0.011	0.010	0.277	0.008	30.031	TRUE	6.75E-08
Overall COPD	LOC100132724	cg19949776	rs55946545	C	T	0.411	0.050	0.060	3.44E-16	0.010	0.016	0.553	0.018	66.500	TRUE	6.49E-16
Overall COPD	LOC100132724	cg19949776	rs60695341	T	C	-0.640	0.027	0.204	5.32E-120	0.020	0.008	0.013	0.128	542.234	TRUE	1.05E-112
Overall COPD	LOC100132724	cg19949776	rs71471588	T	C	-0.780	0.134	0.020	6.26E-09	0.017	0.030	0.578	0.009	33.735	TRUE	8.65E-09
Overall COPD	LOC100132724	cg19949776	rs72727118	T	A	-0.743	0.075	0.024	7.12E-23	-0.015	0.020	0.458	0.026	96.895	TRUE	2.07E-22
Overall COPD	LOC100132724	cg19949776	rs72727133	T	C	0.611	0.036	0.112	4.09E-63	0.002	0.010	0.843	0.071	281.060	TRUE	2.81E-61
Overall COPD	LOC100132724	cg19949776	rs72729238	C	T	-0.775	0.132	0.020	4.21E-09	0.040	0.023	0.076	0.009	34.507	TRUE	9.00E-09
Overall COPD	LOC100132724	cg19949776	rs74446953	G	A	-0.174	0.029	0.193	2.19E-09	0.000	0.008	0.952	0.010	35.779	TRUE	2.57E-09
Overall COPD	LOC100132724	cg19949776	rs74804171	T	C	0.426	0.070	0.027	1.40E-09	-0.028	0.018	0.111	0.010	36.654	TRUE	2.89E-09
Overall COPD	LOC100132724	cg19949776	rs76181975	G	A	0.591	0.057	0.049	1.32E-25	-0.007	0.017	0.670	0.029	109.358	TRUE	3.72E-25
Overall COPD	LOC100132724	cg19949776	rs76264726	A	G	-0.386	0.064	0.031	1.98E-09	0.001	0.019	0.970	0.010	35.972	TRUE	2.31E-09

Overall COPD	LOC100132724	cg19949776	rs78196407	G	T	-0.580	0.052	0.058	1.21E-28	-0.015	0.018	0.411	0.032	123.214	TRUE	5.36E-28
Overall COPD	LOC100132724	cg19949776	rs78376852	G	A	0.305	0.032	0.148	2.23E-21	-0.006	0.009	0.541	0.024	90.085	TRUE	5.52E-21
Overall COPD	LOC100132724	cg19949776	rs78983779	T	A	-0.433	0.053	0.052	2.76E-16	-0.002	0.015	0.877	0.018	66.934	TRUE	4.22E-16
Overall COPD	LOC100132724	cg19949776	rs79260774	T	A	0.324	0.058	0.038	2.26E-08	-0.030	0.016	0.059	0.008	31.239	TRUE	4.80E-08
Overall COPD	LOC100132724	cg19949776	rs79469565	T	C	-0.368	0.050	0.105	2.29E-13	-0.003	0.014	0.819	0.014	53.707	TRUE	3.26E-13
Overall COPD	LOC100132724	cg19949776	rs8027182	T	C	-0.895	0.018	0.457	<1E-200	0.013	0.007	0.051	0.393	2395.089	TRUE	<1E-200
Overall COPD	LOC100132724	cg19949776	rs854160	T	C	0.166	0.024	0.428	4.62E-12	-0.013	0.007	0.079	0.013	47.816	TRUE	1.18E-11
Overall COPD	LOC100132724	cg19949776	rs882299	G	A	-0.682	0.050	0.059	3.62E-43	0.007	0.014	0.624	0.049	189.641	TRUE	3.96E-42
Overall COPD	LOC100132724	cg19949776	rs9972359	C	T	-0.343	0.024	0.417	1.97E-47	0.006	0.007	0.389	0.054	209.172	TRUE	4.40E-46
Overall COPD	LOC729603	cg16582986	rs3798180	G	A	0.194	0.026	0.382	1.45E-13	0.002	0.007	0.805	0.015	54.611	TRUE	2.09E-13
Overall COPD	LTA	cg14910524	rs561747487	A	G	-1.247	0.165	0.011	3.67E-14	-0.018	0.032	0.585	0.015	57.305	TRUE	6.20E-14
Overall COPD	MAP1LC3B	cg05038209	rs76910945	G	A	-0.603	0.067	0.026	3.92E-19	0.041	0.021	0.050	0.021	79.868	TRUE	1.76E-18
Overall COPD	MAP1LC3B	cg09211521	rs111469125	G	A	0.448	0.055	0.050	4.83E-16	-0.022	0.017	0.180	0.017	65.828	TRUE	1.30E-15
Overall COPD	MAP1LC3B	cg09211521	rs112154959	T	C	1.049	0.137	0.016	1.81E-14	0.009	0.029	0.764	0.016	58.698	TRUE	2.76E-14
Overall COPD	MAP1LC3B	cg23636419	rs750957	A	G	-0.140	0.024	0.422	2.89E-09	0.025	0.007	3.56E-04	0.009	35.239	TRUE	1.18E-08
Overall COPD	MAP1LC3B	cg26856583	rs148649561	A	C	-1.072	0.093	0.015	5.80E-31	0.021	0.026	0.410	0.035	133.809	TRUE	3.03E-30
Overall COPD	MAP2K5	cg01362115	rs12593640	C	G	0.551	0.039	0.091	1.58E-44	-0.001	0.011	0.911	0.050	195.863	TRUE	1.43E-43
Overall COPD	MAP2K5	cg08079166	rs4489954	T	G	0.186	0.025	0.296	2.79E-13	-0.010	0.007	0.176	0.014	53.324	TRUE	6.45E-13
Overall COPD	MAP2K5	cg17973661	rs142124398	A	T	-0.733	0.090	0.018	2.66E-16	0.014	0.025	0.563	0.018	67.007	TRUE	5.01E-16
Overall COPD	MAP2K5	cg17973661	rs4514627	C	A	0.317	0.040	0.090	2.21E-15	0.002	0.014	0.884	0.017	62.839	TRUE	3.25E-15
Overall COPD	MAP2K5	cg17973661	rs8030456	T	C	-0.168	0.029	0.225	5.09E-09	-0.011	0.008	0.187	0.009	34.136	TRUE	9.24E-09
Overall COPD	MAP2K5	cg19393677	rs2583585	G	A	-0.493	0.041	0.084	8.96E-34	0.001	0.019	0.952	0.038	146.658	TRUE	3.34E-33
Overall COPD	MAP2K5	cg19393677	rs745212	A	G	-0.202	0.025	0.332	3.03E-16	0.005	0.007	0.457	0.018	66.745	TRUE	6.18E-16
Overall COPD	MAP2K5	cg20055861	rs6494694	A	C	0.245	0.025	0.314	2.22E-22	-0.010	0.007	0.176	0.025	94.643	TRUE	8.94E-22
Overall COPD	MAP2K5	cg20055861	rs73427943	T	C	-0.232	0.035	0.128	4.81E-11	0.008	0.009	0.388	0.012	43.228	TRUE	8.13E-11
Overall COPD	MAP2K5	cg24247231	rs138176505	G	A	0.654	0.077	0.021	1.96E-17	0.056	0.028	0.049	0.019	72.146	TRUE	7.86E-17
Overall COPD	MAP2K5	cg24247231	rs16951489	A	C	0.527	0.079	0.025	2.34E-11	0.002	0.019	0.921	0.012	44.643	TRUE	2.94E-11
Overall COPD	MAP2K5	cg24247231	rs17300363	C	A	-0.239	0.040	0.087	2.27E-09	0.003	0.012	0.768	0.010	35.704	TRUE	2.91E-09
Overall COPD	MAP2K5	cg24247231	rs184812791	T	A	1.293	0.162	0.011	1.70E-15	0.016	0.033	0.634	0.017	63.350	TRUE	2.94E-15
Overall COPD	MAP2K5	cg24247231	rs3743353	C	T	1.338	0.035	0.083	<1E-200	-0.025	0.011	0.026	0.284	1469.442	TRUE	3.22E-283
Overall COPD	MAP2K5	cg24247231	rs4777011	C	G	-0.144	0.024	0.391	3.86E-09	0.006	0.007	0.428	0.009	34.674	TRUE	5.85E-09
Overall COPD	MAP2K5	cg24247231	rs62016776	G	A	0.398	0.029	0.202	4.38E-44	0.005	0.008	0.538	0.050	193.840	TRUE	5.78E-43
Overall COPD	MAP2K5	cg25642180	rs201788262	A	G	-0.365	0.063	0.036	5.75E-09	0.013	0.024	0.571	0.009	33.898	TRUE	7.99E-09
Overall COPD	MAP2K5	cg27219399	rs11504677	A	G	0.514	0.072	0.028	8.62E-13	-0.007	0.021	0.730	0.014	51.107	TRUE	1.26E-12
Overall COPD	MAP2K5	cg27219399	rs12898654	G	C	-0.226	0.028	0.201	1.11E-15	0.003	0.008	0.685	0.017	64.193	TRUE	1.87E-15
Overall COPD	MAP2K5	cg27219399	rs12902812	A	G	0.691	0.026	0.260	1.93E-154	-0.016	0.008	0.045	0.159	700.491	TRUE	9.75E-144
Overall COPD	MAP2K5	cg27219399	rs138206068	T	G	0.466	0.074	0.029	3.79E-10	-0.045	0.022	0.040	0.010	39.198	TRUE	9.59E-10
Overall COPD	MAP2K5	cg27219399	rs1470002	A	G	0.192	0.024	0.394	2.71E-15	-0.025	0.007	2.50E-04	0.017	62.432	TRUE	2.06E-14
Overall COPD	MAP2K5	cg27219399	rs17228212	C	T	-0.146	0.026	0.300	1.42E-08	0.002	0.008	0.789	0.009	32.143	TRUE	1.76E-08
Overall COPD	MAP2K5	cg27219399	rs338348	A	C	0.189	0.024	0.417	3.89E-15	0.010	0.007	0.151	0.016	61.722	TRUE	1.04E-14
Overall COPD	MAP2K5	cg27219399	rs4776367	G	A	-0.308	0.029	0.204	4.23E-27	0.006	0.008	0.472	0.030	116.170	TRUE	1.58E-26
Overall COPD	MAP2K5	cg27219399	rs74923405	T	C	0.446	0.057	0.042	5.40E-15	-0.031	0.018	0.091	0.016	61.078	TRUE	1.61E-14

Overall COPD	MAP2K5	cg27219399	rs7498094	C	T	0.132	0.023	0.458	2.06E-08	0.004	0.007	0.539	0.008	31.423	TRUE	2.85E-08
Overall COPD	MAP2K5	cg27219399	rs75379618	T	C	0.551	0.087	0.036	2.96E-10	0.012	0.020	0.557	0.011	39.679	TRUE	4.35E-10
Overall COPD	MAP2K5	cg27219399	rs8037951	A	C	-0.170	0.027	0.251	2.30E-10	0.006	0.008	0.452	0.011	40.175	TRUE	3.60E-10
Overall COPD	MAPK3	cg00192773	rs78564187	A	G	-0.426	0.044	0.080	8.82E-22	-0.033	0.016	0.035	0.024	91.916	TRUE	5.21E-21
Overall COPD	MAPK3	cg08464513	rs62057756	A	G	0.164	0.024	0.390	3.76E-12	0.027	0.007	1.77E-04	0.013	48.220	TRUE	2.19E-11
Overall COPD	MAPK3	cg08464513	rs8061772	C	A	-0.461	0.033	0.142	7.03E-45	0.009	0.011	0.426	0.051	197.479	TRUE	1.16E-43
Overall COPD	MAPK9	cg00262681	rs11249685	A	G	-0.230	0.038	0.116	9.27E-10	-0.012	0.010	0.250	0.010	37.453	TRUE	1.64E-09
Overall COPD	MAPK9	cg00262681	rs114321626	G	A	-0.670	0.101	0.026	3.52E-11	-0.009	0.020	0.653	0.012	43.842	TRUE	5.07E-11
Overall COPD	MAPK9	cg00262681	rs11739624	T	C	0.847	0.020	0.401	<1E-200	-0.007	0.007	0.322	0.325	1784.708	TRUE	<1E-200
Overall COPD	MAPK9	cg00262681	rs11741142	C	T	-0.196	0.028	0.222	2.57E-12	0.012	0.010	0.219	0.013	48.966	TRUE	5.36E-12
Overall COPD	MAPK9	cg00262681	rs11745042	T	C	-0.361	0.060	0.038	1.39E-09	0.011	0.019	0.568	0.010	36.664	TRUE	1.98E-09
Overall COPD	MAPK9	cg00262681	rs11749727	C	T	0.157	0.024	0.388	7.04E-11	0.003	0.007	0.646	0.011	42.484	TRUE	1.01E-10
Overall COPD	MAPK9	cg00262681	rs12522221	G	A	0.412	0.041	0.089	2.88E-24	0.007	0.011	0.533	0.027	103.247	TRUE	8.47E-24
Overall COPD	MAPK9	cg00262681	rs141292449	A	C	0.768	0.093	0.015	1.56E-16	-0.046	0.033	0.156	0.018	68.056	TRUE	4.49E-16
Overall COPD	MAPK9	cg00262681	rs147810650	T	C	0.826	0.090	0.037	3.12E-20	-0.040	0.020	0.039	0.022	84.864	TRUE	1.61E-19
Overall COPD	MAPK9	cg00262681	rs149331679	T	A	0.560	0.084	0.040	2.26E-11	0.048	0.022	0.028	0.012	44.710	TRUE	6.57E-11
Overall COPD	MAPK9	cg00262681	rs2028725	G	A	-0.275	0.032	0.159	3.63E-18	-0.005	0.010	0.648	0.020	75.471	TRUE	7.03E-18
Overall COPD	MAPK9	cg00262681	rs34351120	C	T	0.516	0.033	0.153	1.05E-56	-0.018	0.010	0.062	0.064	251.669	TRUE	1.63E-54
Overall COPD	MAPK9	cg00262681	rs55880280	T	C	0.208	0.036	0.280	9.08E-09	-0.007	0.008	0.335	0.009	33.010	TRUE	1.44E-08
Overall COPD	MAPK9	cg00262681	rs6896347	A	G	0.382	0.043	0.079	1.01E-18	0.001	0.014	0.969	0.021	77.996	TRUE	1.61E-18
Overall COPD	MAPK9	cg00262681	rs76583740	T	C	-0.682	0.068	0.036	7.71E-24	-0.014	0.019	0.452	0.027	101.296	TRUE	2.39E-23
Overall COPD	MAPK9	cg00262681	rs7702282	A	G	-0.925	0.022	0.295	<1E-200	0.001	0.007	0.883	0.327	1797.993	TRUE	<1E-200
Overall COPD	MAPK9	cg00262681	rs882702	T	C	0.146	0.024	0.427	1.38E-09	-0.002	0.007	0.826	0.010	36.681	TRUE	1.72E-09
Overall COPD	MAPK9	cg01192746	rs149331679	T	A	0.457	0.084	0.040	4.45E-08	0.048	0.022	0.028	0.008	29.927	TRUE	1.02E-07
Overall COPD	MAPK9	cg01192746	rs35703820	T	C	0.476	0.032	0.157	1.47E-49	0.011	0.009	0.237	0.056	218.915	TRUE	5.41E-48
Overall COPD	MAPK9	cg01192746	rs7719192	G	A	-0.407	0.030	0.183	7.53E-42	0.019	0.009	0.029	0.047	183.604	TRUE	2.83E-40
Overall COPD	MAPK9	cg03605361	rs17628029	C	T	0.196	0.028	0.208	5.63E-12	-0.020	0.008	0.015	0.013	47.428	TRUE	1.89E-11
Overall COPD	MAPK9	cg19810457	rs111531999	A	G	-0.349	0.048	0.072	2.36E-13	0.010	0.013	0.456	0.014	53.655	TRUE	4.20E-13
Overall COPD	MAPK9	cg19810457	rs112412514	A	G	-0.502	0.077	0.026	8.81E-11	0.007	0.022	0.762	0.011	42.048	TRUE	1.18E-10
Overall COPD	MAPK9	cg19810457	rs113809091	G	A	-1.211	0.130	0.020	9.47E-21	0.053	0.028	0.059	0.023	87.223	TRUE	4.59E-20
Overall COPD	MAPK9	cg19810457	rs185821264	C	T	-0.347	0.052	0.054	1.87E-11	-0.006	0.017	0.730	0.012	45.081	TRUE	2.60E-11
Overall COPD	MAPK9	cg19810457	rs74446612	A	G	-1.152	0.085	0.018	1.31E-41	0.008	0.021	0.720	0.047	182.508	TRUE	1.12E-40
Overall COPD	MEFV	cg03919650	rs220377	C	G	-0.312	0.027	0.224	5.31E-30	0.012	0.008	0.141	0.034	129.415	TRUE	4.01E-29
Overall COPD	MEFV	cg05388963	rs1235946	C	T	-0.294	0.029	0.201	1.24E-24	-0.012	0.009	0.157	0.028	104.907	TRUE	6.06E-24
Overall COPD	MEFV	cg05554494	rs17136317	A	T	-0.376	0.027	0.227	1.24E-43	0.015	0.008	0.046	0.049	191.764	TRUE	4.84E-42
Overall COPD	MEFV	cg08260052	rs224217	A	G	-0.823	0.019	0.463	<1E-200	-0.004	0.007	0.556	0.330	1824.058	TRUE	<1E-200
Overall COPD	MEFV	cg08260052	rs382073	T	G	0.159	0.024	0.383	6.95E-11	0.004	0.007	0.530	0.011	42.510	TRUE	1.06E-10
Overall COPD	MEFV	cg08260052	rs62032729	C	G	-0.147	0.027	0.266	3.13E-08	-0.015	0.008	0.065	0.008	30.610	TRUE	6.49E-08
Overall COPD	MEFV	cg08260052	rs67218524	T	G	0.193	0.026	0.297	5.52E-14	0.010	0.008	0.188	0.015	56.506	TRUE	1.31E-13
Overall COPD	MEFV	cg08260052	rs77260057	C	G	-0.351	0.043	0.080	2.25E-16	0.012	0.016	0.437	0.018	67.335	TRUE	4.69E-16
Overall COPD	MEFV	cg11660537	rs1149487	T	C	-0.351	0.029	0.203	3.46E-34	-0.017	0.009	0.064	0.039	148.545	TRUE	4.82E-33
Overall COPD	MEFV	cg11660537	rs220381	G	A	0.197	0.033	0.351	3.69E-09	0.002	0.008	0.848	0.009	34.764	TRUE	4.51E-09

Overall COPD	MIR210	cg02471760	rs10902179	C	T	0.667	0.051	0.052	1.60E-39	-0.004	0.014	0.779	0.045	172.952	TRUE	1.09E-38
Overall COPD	MIR210	cg02471760	rs143705409	G	A	0.395	0.066	0.037	2.58E-09	0.015	0.016	0.376	0.009	35.461	TRUE	4.07E-09
Overall COPD	MIR210	cg02471760	rs577649886	T	C	0.137	0.025	0.354	2.53E-08	0.000	0.008	0.986	0.008	31.021	TRUE	2.85E-08
Overall COPD	MIR210	cg03880841	rs10902177	G	A	-0.297	0.035	0.122	1.14E-17	-0.001	0.010	0.901	0.019	73.211	TRUE	1.82E-17
Overall COPD	MIR210	cg03880841	rs7935908	G	A	-0.144	0.024	0.385	2.52E-09	-0.016	0.007	0.020	0.010	35.505	TRUE	6.67E-09
Overall COPD	MIR210	cg08200293	rs12280851	C	G	-0.323	0.024	0.398	4.98E-42	-0.018	0.007	0.010	0.047	184.428	TRUE	2.63E-40
Overall COPD	MIR210	cg08200293	rs12806062	A	G	-0.248	0.037	0.126	1.71E-11	-0.021	0.010	0.038	0.012	45.250	TRUE	4.80E-11
Overall COPD	MIR210	cg15482500	rs10902177	G	A	-0.271	0.035	0.122	5.46E-15	-0.001	0.010	0.901	0.016	61.056	TRUE	7.83E-15
Overall COPD	MIR210	cg15482500	rs7935908	G	A	-0.140	0.024	0.385	8.14E-09	-0.016	0.007	0.020	0.009	33.223	TRUE	2.08E-08
Overall COPD	MIR210	cg27193691	rs12360820	A	C	-0.345	0.030	0.168	4.65E-30	-0.001	0.009	0.948	0.034	129.679	TRUE	1.36E-29
Overall COPD	MIR210	cg27193691	rs12792669	G	T	-0.162	0.024	0.390	3.18E-11	-0.018	0.008	0.018	0.012	44.040	TRUE	9.78E-11
Overall COPD	MIR210	cg27193691	rs74233908	A	G	-0.323	0.050	0.056	7.13E-11	-0.005	0.013	0.700	0.011	42.459	TRUE	9.91E-11
Overall COPD	MLLT11	cg03258749	rs11204751	A	G	-0.220	0.027	0.257	6.99E-16	0.006	0.008	0.434	0.017	65.100	TRUE	1.43E-15
Overall COPD	MLLT11	cg03258749	rs12135409	T	C	-0.264	0.029	0.209	2.31E-19	0.003	0.008	0.679	0.021	80.908	TRUE	4.63E-19
Overall COPD	MLLT11	cg03258749	rs12741361	G	A	-0.179	0.024	0.383	1.29E-13	0.008	0.007	0.287	0.015	54.833	TRUE	2.69E-13
Overall COPD	MLLT11	cg03258749	rs1355637	T	C	-0.197	0.029	0.208	8.38E-12	-0.014	0.009	0.107	0.012	46.651	TRUE	1.99E-11
Overall COPD	MLLT11	cg03258749	rs140086081	T	C	0.731	0.076	0.026	9.46E-22	-0.008	0.022	0.695	0.024	91.777	TRUE	2.11E-21
Overall COPD	MLLT11	cg03258749	rs146468719	C	A	-0.285	0.029	0.203	2.99E-23	-0.020	0.009	0.023	0.026	98.611	TRUE	2.19E-22
Overall COPD	MLLT11	cg03258749	rs3811417	C	T	0.185	0.033	0.135	2.81E-08	0.026	0.011	0.013	0.008	30.820	TRUE	7.20E-08
Overall COPD	MLLT11	cg03258749	rs41272467	A	G	0.482	0.078	0.028	5.57E-10	-0.026	0.019	0.168	0.010	38.447	TRUE	1.09E-09
Overall COPD	MLLT11	cg03258749	rs59454556	C	A	0.811	0.073	0.024	5.86E-29	0.052	0.019	0.007	0.033	124.654	TRUE	9.14E-28
Overall COPD	MLLT11	cg03258749	rs61751620	A	G	0.911	0.070	0.028	3.19E-39	-0.002	0.019	0.936	0.044	171.580	TRUE	1.81E-38
Overall COPD	MLLT11	cg03258749	rs61818036	G	A	0.275	0.033	0.150	3.29E-17	0.017	0.009	0.068	0.019	71.123	TRUE	1.21E-16
Overall COPD	MLLT11	cg03258749	rs6587557	A	G	0.345	0.025	0.315	1.66E-42	-0.006	0.008	0.439	0.048	186.611	TRUE	2.15E-41
Overall COPD	MLLT11	cg03258749	rs72706600	C	A	0.887	0.063	0.036	1.16E-44	-0.002	0.024	0.933	0.050	196.479	TRUE	1.04E-43
Overall COPD	MLLT11	cg03258749	rs77257036	T	C	0.138	0.024	0.368	1.47E-08	-0.005	0.011	0.659	0.009	32.076	TRUE	1.93E-08
Overall COPD	MLLT11	cg03258749	rs78753226	A	G	0.805	0.095	0.014	2.19E-17	-0.011	0.030	0.704	0.019	71.925	TRUE	3.93E-17
Overall COPD	MMP9	cg00182727	rs35567443	C	T	-0.333	0.024	0.425	8.25E-44	-0.003	0.007	0.666	0.049	192.581	TRUE	9.12E-43
Overall COPD	MMP9	cg04145601	rs112921409	A	C	0.180	0.024	0.423	3.09E-14	0.002	0.009	0.779	0.015	57.647	TRUE	4.63E-14
Overall COPD	MMP9	cg04145601	rs2425760	A	T	0.185	0.034	0.139	4.18E-08	0.008	0.009	0.397	0.008	30.046	TRUE	6.19E-08
Overall COPD	MMP9	cg04145601	rs3918253	C	T	-0.453	0.024	0.425	1.96E-81	-0.003	0.007	0.687	0.090	365.122	TRUE	2.04E-78
Overall COPD	MMP9	cg04656101	rs2297198	T	C	-0.216	0.029	0.194	1.48E-13	0.007	0.008	0.433	0.015	54.570	TRUE	2.70E-13
Overall COPD	MMP9	cg04656101	rs3918253	C	T	-0.326	0.024	0.425	2.93E-42	-0.003	0.007	0.687	0.048	185.481	TRUE	2.76E-41
Overall COPD	MMP9	cg09149648	rs2250889	G	C	0.387	0.058	0.042	2.98E-11	-0.039	0.016	0.014	0.012	44.164	TRUE	9.60E-11
Overall COPD	MMP9	cg17664577	rs35567443	C	T	-0.370	0.024	0.425	5.48E-54	-0.003	0.007	0.666	0.061	239.211	TRUE	1.66E-52
Overall COPD	MMP9	cg17664577	rs56324610	C	G	-0.157	0.025	0.339	1.88E-10	-0.002	0.007	0.770	0.011	40.563	TRUE	2.49E-10
Overall COPD	MMP9	cg20674635	rs112033225	A	G	0.381	0.057	0.043	3.43E-11	-0.031	0.016	0.047	0.012	43.891	TRUE	9.11E-11
Overall COPD	MMP9	cg20674635	rs112059592	G	T	-0.407	0.075	0.026	4.76E-08	-0.029	0.022	0.189	0.008	29.796	TRUE	8.20E-08
Overall COPD	MMP9	cg20674635	rs2250889	G	C	-0.327	0.059	0.042	3.12E-08	-0.039	0.016	0.014	0.008	30.616	TRUE	7.95E-08
Overall COPD	MMP9	cg20674635	rs3918256	G	A	-0.605	0.023	0.425	5.79E-150	-0.003	0.007	0.674	0.155	679.920	TRUE	8.20E-141
Overall COPD	MMP9	cg20674635	rs3918278	A	G	-0.572	0.084	0.023	8.55E-12	-0.016	0.020	0.429	0.012	46.611	TRUE	1.45E-11
Overall COPD	MMP9	cg20674635	rs56279239	A	G	0.290	0.036	0.126	3.41E-16	0.007	0.010	0.498	0.018	66.516	TRUE	6.71E-16

Overall COPD	MMP9	cg20674635	rs6074009	T	C	-0.196	0.030	0.187	5.95E-11	0.006	0.008	0.506	0.011	42.812	TRUE	9.26E-11
Overall COPD	MMP9	cg20674635	rs6130946	C	T	-0.202	0.036	0.117	2.59E-08	0.017	0.011	0.121	0.008	30.979	TRUE	4.89E-08
Overall COPD	MMP9	cg20674635	rs7264209	C	T	0.311	0.056	0.045	2.28E-08	-0.002	0.015	0.918	0.008	31.227	TRUE	2.64E-08
Overall COPD	MMP9	cg20674635	rs77617917	A	G	-0.244	0.044	0.075	2.56E-08	-0.002	0.013	0.866	0.008	30.999	TRUE	3.04E-08
Overall COPD	MMP9	cg20674635	rs77727017	T	G	-0.277	0.036	0.118	2.36E-14	-0.007	0.010	0.485	0.015	58.172	TRUE	4.31E-14
Overall COPD	MMP9	cg20674635	rs79439130	A	G	-0.435	0.058	0.040	7.55E-14	0.001	0.016	0.936	0.015	55.890	TRUE	1.02E-13
Overall COPD	MMP9	cg23303369	rs112059592	G	T	-0.513	0.075	0.026	6.27E-12	-0.029	0.022	0.189	0.013	47.218	TRUE	1.33E-11
Overall COPD	MMP9	cg23303369	rs1128536	A	G	-0.143	0.026	0.291	2.69E-08	-0.005	0.008	0.492	0.008	30.902	TRUE	3.80E-08
Overall COPD	MMP9	cg23303369	rs113562688	A	G	-0.303	0.036	0.116	6.84E-17	-0.008	0.010	0.427	0.018	69.681	TRUE	1.48E-16
Overall COPD	MMP9	cg23303369	rs2250889	G	C	-0.418	0.059	0.042	1.39E-12	-0.039	0.016	0.014	0.013	50.166	TRUE	4.96E-12
Overall COPD	MMP9	cg23303369	rs3918256	G	A	-0.749	0.023	0.425	3.10E-242	-0.003	0.007	0.674	0.230	1104.131	TRUE	3.02E-220
Overall COPD	MMP9	cg23303369	rs3918278	A	G	-0.528	0.084	0.023	3.14E-10	-0.016	0.020	0.429	0.011	39.563	TRUE	4.98E-10
Overall COPD	MMP9	cg23303369	rs3933240	T	C	0.277	0.046	0.069	2.43E-09	0.002	0.013	0.898	0.010	35.579	TRUE	2.92E-09
Overall COPD	MMP9	cg23303369	rs55943410	T	C	0.410	0.044	0.079	7.25E-21	-0.021	0.014	0.132	0.023	87.750	TRUE	2.88E-20
Overall COPD	MMP9	cg23303369	rs6017575	G	A	-0.180	0.031	0.176	4.17E-09	-0.013	0.008	0.122	0.009	34.525	TRUE	8.24E-09
Overall COPD	MMP9	cg23303369	rs6074009	T	C	-0.236	0.030	0.187	3.86E-15	0.006	0.008	0.506	0.016	61.737	TRUE	7.19E-15
Overall COPD	MMP9	cg23303369	rs77202366	T	C	0.418	0.057	0.044	1.86E-13	-0.027	0.016	0.088	0.014	54.119	TRUE	5.08E-13
Overall COPD	MMP9	cg23303369	rs79439130	A	G	-0.388	0.058	0.040	2.61E-11	0.001	0.016	0.936	0.012	44.422	TRUE	3.26E-11
Overall COPD	MMP9	cg23303369	rs9509	C	T	-0.389	0.070	0.030	3.03E-08	0.022	0.022	0.331	0.008	30.674	TRUE	4.70E-08
Overall COPD	MMP9	cg23353432	rs13969	A	C	-0.255	0.024	0.388	1.69E-25	-0.003	0.007	0.698	0.029	108.866	TRUE	4.62E-25
Overall COPD	MMP9	cg26132320	rs143834352	T	G	-0.674	0.123	0.015	3.98E-08	-0.052	0.026	0.048	0.008	30.144	TRUE	8.57E-08
Overall COPD	MMP9	cg26132320	rs3918256	G	A	-0.423	0.024	0.425	3.70E-71	-0.003	0.007	0.674	0.079	317.957	TRUE	8.95E-69
Overall COPD	MMP9	cg26132320	rs7270170	A	G	0.156	0.024	0.455	3.44E-11	0.003	0.007	0.643	0.012	43.883	TRUE	4.99E-11
Overall COPD	MPO	cg00473501	rs12602498	G	A	0.147	0.025	0.304	6.60E-09	0.005	0.007	0.539	0.009	33.630	TRUE	9.31E-09
Overall COPD	MPO	cg00473501	rs35966900	C	T	-0.256	0.032	0.158	1.76E-15	0.020	0.009	0.032	0.017	63.284	TRUE	6.69E-15
Overall COPD	MPO	cg00473501	rs59651067	C	A	0.159	0.028	0.228	1.04E-08	0.008	0.008	0.332	0.009	32.750	TRUE	1.64E-08
Overall COPD	MPO	cg00473501	rs62083752	T	C	0.663	0.046	0.069	5.68E-47	0.012	0.012	0.304	0.053	207.062	TRUE	1.40E-45
Overall COPD	MPO	cg02138358	rs34523089	T	C	0.218	0.034	0.163	2.45E-10	-0.011	0.009	0.242	0.011	40.048	TRUE	4.51E-10
Overall COPD	MPO	cg02138358	rs36089182	T	A	0.370	0.057	0.050	1.01E-10	-0.004	0.015	0.766	0.011	41.775	TRUE	1.35E-10
Overall COPD	MPO	cg04266202	rs11575868	T	C	-0.279	0.047	0.069	2.58E-09	0.015	0.012	0.217	0.009	35.462	TRUE	4.61E-09
Overall COPD	MPO	cg04266202	rs34523089	T	C	0.288	0.034	0.163	5.24E-17	-0.011	0.009	0.242	0.019	70.207	TRUE	1.37E-16
Overall COPD	MPO	cg04266202	rs36089182	T	A	0.452	0.057	0.050	2.42E-15	-0.004	0.015	0.766	0.017	62.657	TRUE	3.82E-15
Overall COPD	MPO	cg08058156	rs35966900	C	T	0.218	0.032	0.158	1.48E-11	0.020	0.009	0.032	0.012	45.531	TRUE	4.29E-11
Overall COPD	MPO	cg09421562	rs34523089	T	C	0.227	0.034	0.163	4.95E-11	-0.011	0.009	0.242	0.012	43.174	TRUE	9.42E-11
Overall COPD	MPO	cg09421562	rs36089182	T	A	0.354	0.057	0.050	5.82E-10	-0.004	0.015	0.766	0.010	38.359	TRUE	7.59E-10
Overall COPD	MPO	cg27456487	rs34523089	T	C	0.276	0.034	0.163	9.84E-16	-0.011	0.009	0.242	0.017	64.428	TRUE	2.40E-15
Overall COPD	MPO	cg27456487	rs36089182	T	A	0.444	0.057	0.050	7.93E-15	-0.004	0.015	0.766	0.016	60.320	TRUE	1.23E-14
Overall COPD	MSH6	cg02905881	rs3136292	C	T	-0.244	0.025	0.306	3.53E-22	-0.002	0.007	0.771	0.025	93.728	TRUE	7.60E-22
Overall COPD	MSH6	cg02905881	rs77503991	T	C	-0.225	0.030	0.174	1.14E-13	0.016	0.009	0.072	0.015	55.084	TRUE	3.28E-13
Overall COPD	MSH6	cg04781916	rs3136230	T	C	0.623	0.037	0.109	1.32E-64	0.023	0.010	0.029	0.072	287.896	TRUE	7.79E-62
Overall COPD	MSH6	cg04781916	rs57827032	T	C	0.175	0.027	0.258	5.15E-11	-0.001	0.008	0.878	0.012	43.095	TRUE	6.56E-11
Overall COPD	MSH6	cg04781916	rs62137054	T	C	0.177	0.026	0.268	1.70E-11	0.003	0.008	0.705	0.012	45.269	TRUE	2.40E-11

Overall COPD	MSH6	cg05039065	rs3136230	T	C	-0.329	0.037	0.109	2.39E-19	0.023	0.010	0.029	0.021	80.846	TRUE	1.23E-18
Overall COPD	MSH6	cg15355298	rs1800935	C	T	-0.141	0.025	0.305	2.58E-08	-0.002	0.007	0.803	0.008	30.981	TRUE	3.15E-08
Overall COPD	MSH6	cg16595246	rs3136230	T	C	-0.261	0.037	0.109	1.14E-12	0.023	0.010	0.029	0.013	50.566	TRUE	3.61E-12
Overall COPD	MSH6	cg18222961	rs78491566	C	G	-0.335	0.037	0.110	7.39E-20	0.022	0.010	0.030	0.022	83.162	TRUE	3.91E-19
Overall COPD	MSH6	cg19570558	rs62139916	T	G	-0.402	0.030	0.195	1.15E-41	0.003	0.009	0.742	0.047	182.757	TRUE	9.71E-41
Overall COPD	MSH6	cg19570558	rs78888036	C	G	0.476	0.037	0.111	1.69E-38	0.022	0.010	0.030	0.044	168.265	TRUE	4.47E-37
Overall COPD	MTF1	cg13567986	rs111956467	T	C	-0.215	0.030	0.197	5.01E-13	0.006	0.008	0.489	0.014	52.172	TRUE	8.60E-13
Overall COPD	MTF1	cg13567986	rs1480343	T	C	0.288	0.042	0.092	1.01E-11	-0.047	0.015	0.001	0.012	46.275	TRUE	4.67E-11
Overall COPD	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	-0.001	0.015	0.924	0.009	33.747	TRUE	7.31E-09
Overall COPD	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	0.026	0.007	5.68E-04	0.010	37.260	TRUE	4.17E-09
Overall COPD	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	0.021	0.010	0.028	0.016	58.608	TRUE	6.87E-14
Overall COPD	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	0.048	0.023	0.037	0.012	43.052	TRUE	1.43E-10
Overall COPD	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	0.029	0.018	0.100	0.008	29.937	TRUE	8.52E-08
Overall COPD	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	-0.021	0.011	0.060	0.010	35.627	TRUE	5.34E-09
Overall COPD	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	-0.018	0.008	0.021	0.011	40.101	TRUE	6.75E-10
Overall COPD	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	-0.005	0.007	0.512	0.016	59.363	TRUE	2.34E-14
Overall COPD	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	-0.003	0.011	0.774	0.018	69.319	TRUE	1.37E-16
Overall COPD	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	0.039	0.018	0.029	0.020	73.825	TRUE	3.83E-17
Overall COPD	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	0.006	0.013	0.627	0.011	42.813	TRUE	8.62E-11
Overall COPD	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	0.009	0.007	0.200	0.105	436.012	TRUE	2.74E-92
Overall COPD	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	-0.006	0.008	0.449	0.009	34.701	TRUE	5.70E-09
Overall COPD	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	0.002	0.007	0.751	0.027	102.085	TRUE	1.25E-23
Overall COPD	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	-0.037	0.015	0.015	0.013	47.353	TRUE	1.96E-11
Overall COPD	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	-0.010	0.009	0.253	0.027	103.029	TRUE	1.29E-23
Overall COPD	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	-0.001	0.007	0.871	0.034	131.110	TRUE	7.21E-30
Overall COPD	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	0.002	0.007	0.751	0.009	31.786	TRUE	2.14E-08
Overall COPD	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	-0.024	0.018	0.179	0.035	135.131	TRUE	2.27E-30
Overall COPD	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	-0.016	0.007	0.017	0.018	67.714	TRUE	8.55E-16
Overall COPD	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	-0.018	0.007	0.011	0.012	43.170	TRUE	1.61E-10
Overall COPD	MYH14	cg00919509	rs7255564	A	G	0.532	0.080	0.040	3.21E-11	0.003	0.017	0.840	0.012	44.018	TRUE	4.20E-11
Overall COPD	MYH14	cg02652072	rs584020	A	G	-0.506	0.060	0.043	4.38E-17	-0.014	0.017	0.410	0.019	70.557	TRUE	9.70E-17
Overall COPD	MYH14	cg02652072	rs589028	G	A	-0.518	0.024	0.358	6.84E-107	0.003	0.007	0.688	0.115	482.013	TRUE	5.77E-102
Overall COPD	MYH14	cg02652072	rs67103883	G	A	0.322	0.032	0.162	7.92E-24	-0.001	0.010	0.943	0.027	101.242	TRUE	1.63E-23
Overall COPD	MYH14	cg02652072	rs7259185	A	G	0.147	0.027	0.243	3.21E-08	-0.004	0.008	0.668	0.008	30.561	TRUE	4.14E-08
Overall COPD	MYH14	cg03182113	rs10416029	G	A	-0.463	0.077	0.027	1.63E-09	0.002	0.021	0.939	0.010	36.356	TRUE	1.93E-09
Overall COPD	MYH14	cg03585888	rs589028	G	A	0.211	0.024	0.358	3.10E-18	0.003	0.007	0.688	0.020	75.782	TRUE	5.85E-18
Overall COPD	MYH14	cg03585888	rs638286	A	G	-0.205	0.032	0.489	2.39E-10	-0.004	0.007	0.554	0.011	40.098	TRUE	3.53E-10
Overall COPD	MYH14	cg03585888	rs6509458	A	G	-0.139	0.023	0.474	3.39E-09	0.001	0.007	0.939	0.009	34.929	TRUE	3.98E-09
Overall COPD	MYH14	cg03585888	rs694354	G	C	-0.293	0.032	0.160	1.65E-19	-0.008	0.010	0.443	0.022	81.574	TRUE	4.03E-19
Overall COPD	MYH14	cg06553312	rs10416029	G	A	-0.765	0.077	0.027	1.67E-23	0.002	0.021	0.939	0.026	99.770	TRUE	3.39E-23
Overall COPD	MYH14	cg07555272	rs145276601	T	C	-0.474	0.079	0.026	1.61E-09	0.007	0.021	0.718	0.010	36.382	TRUE	2.11E-09
Overall COPD	MYH14	cg08183141	rs372342456	G	A	-0.683	0.076	0.027	4.42E-19	0.016	0.026	0.529	0.021	79.630	TRUE	9.79E-19

Overall COPD	MYH14	cg08183141	rs7252676	C	G	-0.297	0.031	0.161	3.49E-21	0.014	0.009	0.137	0.024	89.193	TRUE	1.40E-20
Overall COPD	MYH14	cg10229905	rs12973089	C	T	-0.182	0.031	0.162	5.13E-09	0.001	0.009	0.929	0.009	34.120	TRUE	6.03E-09
Overall COPD	MYH14	cg10229905	rs142251009	G	T	-1.231	0.082	0.019	2.05E-50	0.001	0.023	0.960	0.057	222.839	TRUE	3.05E-49
Overall COPD	MYH14	cg10229905	rs201622360	A	G	-0.393	0.054	0.068	3.69E-13	-0.006	0.013	0.608	0.014	52.770	TRUE	5.90E-13
Overall COPD	MYH14	cg10229905	rs73061154	G	A	-0.387	0.051	0.053	3.64E-14	-0.005	0.013	0.668	0.015	57.324	TRUE	5.82E-14
Overall COPD	MYH14	cg10592766	rs12609315	G	C	0.219	0.034	0.329	1.36E-10	-0.004	0.007	0.593	0.011	41.197	TRUE	1.98E-10
Overall COPD	MYH14	cg10639981	rs117650234	A	G	-0.216	0.030	0.187	1.38E-12	-0.005	0.009	0.532	0.013	50.183	TRUE	2.26E-12
Overall COPD	MYH14	cg10639981	rs1670721	G	C	0.322	0.037	0.245	4.65E-18	0.018	0.008	0.030	0.020	74.984	TRUE	2.17E-17
Overall COPD	MYH14	cg12301087	rs117650234	A	G	-0.176	0.030	0.187	7.35E-09	-0.005	0.009	0.532	0.009	33.421	TRUE	1.04E-08
Overall COPD	MYH14	cg12301087	rs1670721	G	C	0.411	0.037	0.245	6.24E-29	0.018	0.008	0.030	0.033	124.527	TRUE	6.87E-28
Overall COPD	MYH14	cg17889586	rs1078446	A	G	-0.152	0.026	0.297	2.96E-09	0.008	0.008	0.320	0.009	35.189	TRUE	4.85E-09
Overall COPD	MYH14	cg17889586	rs7259185	A	G	0.148	0.027	0.243	3.27E-08	-0.004	0.008	0.668	0.008	30.522	TRUE	4.23E-08
Overall COPD	MYH14	cg22022379	rs1651553	A	G	0.390	0.037	0.245	6.75E-26	0.019	0.008	0.028	0.029	110.678	TRUE	5.83E-25
Overall COPD	MYH14	cg22022379	rs73070934	T	C	-0.192	0.035	0.322	2.86E-08	-0.012	0.008	0.105	0.008	30.781	TRUE	5.53E-08
Overall COPD	MYH14	cg23268322	rs1670721	G	C	0.608	0.036	0.245	3.02E-62	0.018	0.008	0.030	0.070	277.076	TRUE	1.29E-59
Overall COPD	MYH14	cg23268322	rs2017387	A	G	0.164	0.030	0.206	3.89E-08	0.004	0.009	0.650	0.008	30.189	TRUE	5.05E-08
Overall COPD	MYH14	cg23268322	rs659442	A	G	0.445	0.060	0.043	1.57E-13	-0.012	0.017	0.471	0.015	54.448	TRUE	2.79E-13
Overall COPD	MYH14	cg23268322	rs73070934	T	C	-0.249	0.035	0.322	7.34E-13	-0.012	0.008	0.105	0.014	51.424	TRUE	1.86E-12
Overall COPD	MYH14	cg23268322	rs788332	A	C	-0.130	0.024	0.403	4.98E-08	-0.003	0.007	0.695	0.008	29.709	TRUE	6.32E-08
Overall COPD	MYH14	cg25311666	rs189073439	T	C	-0.310	0.053	0.050	5.02E-09	0.031	0.025	0.213	0.009	34.165	TRUE	8.88E-09
Overall COPD	MYH14	cg25311666	rs561963469	T	A	-0.570	0.078	0.024	3.52E-13	0.011	0.024	0.655	0.014	52.867	TRUE	5.46E-13
Overall COPD	MYH9	cg01816775	rs13058648	A	C	-0.465	0.051	0.049	5.25E-20	-0.003	0.014	0.803	0.022	83.836	TRUE	9.93E-20
Overall COPD	MYH9	cg01816775	rs136195	A	G	-0.235	0.025	0.318	6.86E-21	-0.003	0.008	0.698	0.023	87.861	TRUE	1.46E-20
Overall COPD	MYH9	cg01816775	rs2239782	A	G	-0.427	0.026	0.247	6.24E-59	-0.004	0.008	0.595	0.066	261.876	TRUE	3.60E-57
Overall COPD	MYH9	cg01816775	rs3830104	C	T	-0.296	0.043	0.079	3.86E-12	-0.020	0.012	0.097	0.013	48.167	TRUE	9.52E-12
Overall COPD	MYH9	cg06765172	rs139973547	A	G	0.573	0.080	0.020	1.01E-12	-0.036	0.022	0.098	0.014	50.805	TRUE	2.57E-12
Overall COPD	MYH9	cg08800893	rs8143119	G	T	0.333	0.023	0.403	2.26E-46	-0.008	0.007	0.274	0.052	204.311	TRUE	5.55E-45
Overall COPD	MYH9	cg10662871	rs115456990	C	A	0.710	0.068	0.031	2.86E-25	0.054	0.022	0.013	0.028	107.817	TRUE	2.80E-24
Overall COPD	MYH9	cg10662871	rs74383715	G	A	0.352	0.045	0.084	3.08E-15	0.012	0.013	0.345	0.017	62.179	TRUE	6.58E-15
Overall COPD	MYH9	cg11434151	rs2187776	C	T	-0.888	0.075	0.024	5.01E-32	0.048	0.022	0.031	0.036	138.669	TRUE	7.13E-31
Overall COPD	MYH9	cg11691093	rs3752463	G	A	-0.270	0.024	0.405	2.47E-30	-0.011	0.008	0.170	0.034	130.931	TRUE	1.79E-29
Overall COPD	MYH9	cg11691093	rs9622371	C	T	0.152	0.023	0.497	6.95E-11	0.010	0.007	0.151	0.011	42.509	TRUE	1.46E-10
Overall COPD	MYH9	cg17163767	rs13058648	A	C	-0.326	0.051	0.049	1.41E-10	-0.003	0.014	0.803	0.011	41.125	TRUE	1.84E-10
Overall COPD	MYH9	cg17163767	rs136195	A	G	-0.196	0.025	0.318	4.77E-15	-0.003	0.008	0.698	0.016	61.321	TRUE	7.76E-15
Overall COPD	MYH9	cg17163767	rs2239782	A	G	-0.353	0.026	0.247	1.69E-40	-0.004	0.008	0.595	0.046	177.423	TRUE	1.51E-39
Overall COPD	MYH9	cg17519899	rs13058648	A	C	-0.434	0.051	0.049	1.37E-17	-0.003	0.014	0.803	0.019	72.848	TRUE	2.32E-17
Overall COPD	MYH9	cg17519899	rs136195	A	G	-0.251	0.025	0.318	1.23E-23	-0.003	0.008	0.698	0.026	100.375	TRUE	3.02E-23
Overall COPD	MYH9	cg17519899	rs2239782	A	G	-0.405	0.026	0.247	9.16E-53	-0.004	0.008	0.595	0.059	233.604	TRUE	2.66E-51
Overall COPD	MYH9	cg17519899	rs3830104	C	T	-0.333	0.043	0.079	5.59E-15	-0.020	0.012	0.097	0.016	61.009	TRUE	1.64E-14
Overall COPD	MYH9	cg23015219	rs115456990	C	A	1.194	0.068	0.031	1.97E-69	0.054	0.022	0.013	0.077	310.042	TRUE	3.14E-66
Overall COPD	MYH9	cg23015219	rs136206	A	G	0.323	0.025	0.290	4.26E-37	0.000	0.007	0.980	0.042	161.856	TRUE	1.96E-36
Overall COPD	MYH9	cg23015219	rs73167691	A	G	-0.538	0.063	0.033	1.75E-17	-0.003	0.019	0.894	0.019	72.366	TRUE	2.78E-17

Overall COPD	MYH9	cg23015219	rs74277082	T	C	0.411	0.045	0.083	9.04E-20	0.010	0.012	0.376	0.022	82.763	TRUE	2.39E-19
Overall COPD	MYH9	cg23015219	rs8135600	G	A	0.555	0.039	0.090	9.01E-45	-0.014	0.038	0.710	0.051	196.985	TRUE	1.03E-43
Overall COPD	NAGLU	cg19705541	rs36010851	A	G	-1.063	0.178	0.011	2.11E-09	-0.013	0.042	0.765	0.010	35.848	TRUE	2.70E-09
Overall COPD	NAGLU	cg19705541	rs629286	T	C	-0.345	0.055	0.047	2.70E-10	0.042	0.015	0.004	0.011	39.857	TRUE	9.41E-10
Overall COPD	NAPSA	cg08194323	rs1405655	C	T	-0.193	0.025	0.334	9.18E-15	0.019	0.007	0.006	0.016	60.031	TRUE	4.34E-14
Overall COPD	NAPSA	cg25286393	rs2303045	C	G	-0.281	0.025	0.323	1.11E-28	0.019	0.008	0.013	0.032	123.383	TRUE	1.46E-27
Overall COPD	NCK1	cg00658740	rs6800032	C	T	-0.179	0.025	0.295	2.31E-12	-0.028	0.007	1.44E-04	0.013	49.174	TRUE	1.40E-11
Overall COPD	NCK1	cg00658740	rs77203258	C	T	0.331	0.044	0.077	4.85E-14	0.014	0.014	0.340	0.015	56.759	TRUE	9.79E-14
Overall COPD	NCK1	cg09847234	rs9815771	T	C	0.266	0.025	0.296	1.19E-26	-0.028	0.007	8.54E-05	0.030	114.124	TRUE	3.23E-25
Overall COPD	NCK2	cg01295249	rs10180659	T	C	0.299	0.024	0.358	2.67E-35	0.005	0.007	0.481	0.040	153.633	TRUE	1.78E-34
Overall COPD	NCK2	cg01295249	rs115511870	G	A	-0.883	0.075	0.024	1.14E-31	0.014	0.020	0.487	0.036	137.037	TRUE	5.73E-31
Overall COPD	NCK2	cg01295249	rs116799779	A	G	0.507	0.072	0.031	2.52E-12	-0.012	0.022	0.570	0.013	49.002	TRUE	3.98E-12
Overall COPD	NCK2	cg01295249	rs13025118	A	T	-0.278	0.032	0.150	5.23E-18	-0.006	0.010	0.544	0.020	74.753	TRUE	1.08E-17
Overall COPD	NCK2	cg01295249	rs13393585	A	G	0.288	0.030	0.194	1.64E-21	0.009	0.009	0.296	0.024	90.695	TRUE	5.22E-21
Overall COPD	NCK2	cg01295249	rs17208505	A	C	0.587	0.023	0.425	3.15E-149	0.000	0.007	0.951	0.155	676.540	TRUE	2.15E-140
Overall COPD	NCK2	cg01295249	rs35674772	A	G	-0.151	0.027	0.253	1.59E-08	0.014	0.008	0.063	0.009	31.919	TRUE	3.38E-08
Overall COPD	NCK2	cg01295249	rs62152231	G	A	0.342	0.058	0.046	3.04E-09	0.028	0.017	0.087	0.009	35.137	TRUE	6.42E-09
Overall COPD	NCK2	cg01295249	rs72821566	G	A	-0.313	0.048	0.068	6.05E-11	-0.009	0.015	0.558	0.011	42.781	TRUE	9.12E-11
Overall COPD	NCK2	cg01577187	rs12616493	C	T	0.136	0.023	0.448	7.42E-09	0.010	0.007	0.160	0.009	33.404	TRUE	1.38E-08
Overall COPD	NCK2	cg03181966	rs12476157	T	C	0.185	0.023	0.425	2.18E-15	0.000	0.007	0.984	0.017	62.863	TRUE	3.02E-15
Overall COPD	NCK2	cg05588658	rs7581087	T	C	-0.335	0.049	0.062	1.01E-11	0.009	0.015	0.553	0.012	46.288	TRUE	1.57E-11
Overall COPD	NCK2	cg09152813	rs1007918	G	T	-0.361	0.066	0.030	4.96E-08	-0.014	0.019	0.451	0.008	29.716	TRUE	7.09E-08
Overall COPD	NCK2	cg09152813	rs10196773	G	A	0.317	0.031	0.162	5.39E-24	-0.001	0.009	0.904	0.027	102.003	TRUE	1.15E-23
Overall COPD	NCK2	cg09152813	rs1037381	G	A	0.374	0.026	0.292	2.79E-48	0.010	0.007	0.195	0.054	213.060	TRUE	9.86E-47
Overall COPD	NCK2	cg09152813	rs11124067	G	A	-0.238	0.033	0.392	4.32E-13	0.002	0.008	0.769	0.014	52.465	TRUE	6.24E-13
Overall COPD	NCK2	cg09152813	rs113406649	C	T	-0.256	0.045	0.074	1.68E-08	-0.012	0.014	0.417	0.009	31.819	TRUE	2.49E-08
Overall COPD	NCK2	cg09152813	rs114698458	G	C	0.382	0.042	0.085	5.20E-20	-0.004	0.013	0.776	0.022	83.856	TRUE	1.00E-19
Overall COPD	NCK2	cg09152813	rs115295484	A	C	-0.402	0.040	0.101	6.58E-24	-0.017	0.011	0.139	0.027	101.610	TRUE	3.16E-23
Overall COPD	NCK2	cg09152813	rs116840679	C	G	0.341	0.054	0.038	3.29E-10	0.042	0.017	0.011	0.011	39.475	TRUE	1.01E-09
Overall COPD	NCK2	cg09152813	rs11684945	A	G	-0.235	0.025	0.322	1.87E-20	0.001	0.007	0.873	0.023	85.874	TRUE	3.44E-20
Overall COPD	NCK2	cg09152813	rs11694417	T	A	0.884	0.019	0.402	<1E-200	-0.003	0.007	0.695	0.361	2087.593	TRUE	<1E-200
Overall COPD	NCK2	cg09152813	rs11896455	A	G	0.448	0.046	0.061	1.14E-22	0.019	0.013	0.134	0.025	95.961	TRUE	5.10E-22
Overall COPD	NCK2	cg09152813	rs12712229	A	G	0.351	0.046	0.064	2.39E-14	0.023	0.013	0.064	0.015	58.149	TRUE	7.38E-14
Overall COPD	NCK2	cg09152813	rs12994562	C	G	0.203	0.033	0.144	4.17E-10	0.005	0.009	0.609	0.010	39.009	TRUE	5.92E-10
Overall COPD	NCK2	cg09152813	rs13025118	A	T	-0.535	0.032	0.150	3.52E-64	-0.006	0.010	0.544	0.072	285.942	TRUE	4.13E-62
Overall COPD	NCK2	cg09152813	rs13036199	C	A	-0.295	0.034	0.136	1.16E-17	0.001	0.010	0.955	0.019	73.176	TRUE	1.79E-17
Overall COPD	NCK2	cg09152813	rs13429800	G	A	0.687	0.022	0.452	8.78E-217	0.008	0.007	0.224	0.211	987.094	TRUE	3.31E-198
Overall COPD	NCK2	cg09152813	rs145456368	A	G	-0.641	0.062	0.038	2.48E-25	-0.034	0.019	0.071	0.028	108.098	TRUE	1.62E-24
Overall COPD	NCK2	cg09152813	rs147670809	T	C	0.614	0.058	0.045	4.11E-26	0.017	0.018	0.337	0.029	111.661	TRUE	1.67E-25
Overall COPD	NCK2	cg09152813	rs148335434	T	G	-0.711	0.077	0.024	1.71E-20	0.011	0.020	0.596	0.023	86.052	TRUE	3.86E-20
Overall COPD	NCK2	cg09152813	rs1615827	C	T	-0.167	0.024	0.400	4.50E-12	-0.012	0.007	0.085	0.013	47.867	TRUE	1.14E-11
Overall COPD	NCK2	cg09152813	rs17031183	C	A	-0.211	0.023	0.497	1.44E-19	0.000	0.007	0.963	0.022	81.837	TRUE	2.40E-19

Overall COPD	NCK2	cg09152813	rs17031461	C	T	-0.502	0.071	0.024	2.17E-12	0.030	0.021	0.151	0.013	49.293	TRUE	4.96E-12
Overall COPD	NCK2	cg09152813	rs17031770	A	G	-0.787	0.035	0.124	8.73E-111	-0.015	0.010	0.138	0.119	499.899	TRUE	6.43E-105
Overall COPD	NCK2	cg09152813	rs186074463	G	A	0.572	0.072	0.023	2.23E-15	0.017	0.024	0.489	0.017	62.813	TRUE	4.26E-15
Overall COPD	NCK2	cg09152813	rs35674772	A	G	-0.394	0.026	0.253	1.90E-50	0.014	0.008	0.063	0.057	222.991	TRUE	1.38E-48
Overall COPD	NCK2	cg09152813	rs4281921	T	C	0.335	0.026	0.270	1.27E-37	0.000	0.008	0.976	0.043	164.267	TRUE	6.09E-37
Overall COPD	NCK2	cg09152813	rs55704707	A	G	0.327	0.030	0.183	8.30E-27	-0.011	0.009	0.190	0.030	114.834	TRUE	4.42E-26
Overall COPD	NCK2	cg09152813	rs72819712	C	T	-0.400	0.062	0.072	1.08E-10	0.010	0.012	0.432	0.011	41.654	TRUE	1.74E-10
Overall COPD	NCK2	cg09152813	rs72821582	T	C	-0.546	0.046	0.071	7.84E-33	-0.011	0.015	0.433	0.037	142.350	TRUE	4.57E-32
Overall COPD	NCK2	cg09152813	rs72825197	T	C	0.648	0.084	0.023	1.15E-14	-0.008	0.023	0.728	0.016	59.593	TRUE	1.81E-14
Overall COPD	NCK2	cg09152813	rs77416125	T	C	0.312	0.050	0.060	6.46E-10	-0.007	0.015	0.644	0.010	38.157	TRUE	8.94E-10
Overall COPD	NCK2	cg10808560	rs3769500	A	G	0.200	0.026	0.253	1.59E-14	0.008	0.008	0.283	0.016	58.953	TRUE	3.47E-14
Overall COPD	NCK2	cg11752152	rs17031793	T	C	0.208	0.032	0.156	1.56E-10	0.003	0.009	0.787	0.011	40.935	TRUE	2.04E-10
Overall COPD	NCK2	cg11752152	rs4851092	G	A	-0.241	0.029	0.184	1.48E-16	0.013	0.009	0.177	0.018	68.163	TRUE	4.12E-16
Overall COPD	NCK2	cg13660477	rs4851867	T	C	0.140	0.023	0.414	1.72E-09	-0.003	0.007	0.695	0.010	36.243	TRUE	2.29E-09
Overall COPD	NCK2	cg13704531	rs10180659	T	C	-0.146	0.024	0.358	1.06E-09	0.005	0.007	0.481	0.010	37.189	TRUE	1.59E-09
Overall COPD	NCK2	cg13704531	rs12476157	T	C	-0.350	0.023	0.425	4.22E-53	0.000	0.007	0.984	0.060	235.146	TRUE	8.01E-52
Overall COPD	NCK2	cg13704531	rs62152231	G	A	-0.313	0.057	0.046	3.98E-08	0.028	0.017	0.087	0.008	30.142	TRUE	7.84E-08
Overall COPD	NCK2	cg13704531	rs6723369	A	G	0.213	0.030	0.176	8.66E-13	0.007	0.008	0.403	0.014	51.098	TRUE	1.56E-12
Overall COPD	NCK2	cg14131038	rs10193236	C	T	-0.144	0.024	0.407	2.23E-09	0.006	0.007	0.355	0.010	35.743	TRUE	3.58E-09
Overall COPD	NCK2	cg14131038	rs114331152	C	T	-0.378	0.056	0.046	2.00E-11	0.004	0.016	0.819	0.012	44.951	TRUE	2.65E-11
Overall COPD	NCK2	cg14131038	rs115895042	G	A	0.277	0.042	0.087	3.65E-11	0.009	0.011	0.424	0.012	43.769	TRUE	6.04E-11
Overall COPD	NCK2	cg14131038	rs12992944	T	G	0.422	0.024	0.369	1.11E-68	0.012	0.007	0.097	0.077	306.594	TRUE	6.85E-66
Overall COPD	NCK2	cg14131038	rs4851074	A	G	-0.186	0.024	0.413	3.74E-15	0.000	0.007	0.951	0.016	61.798	TRUE	5.24E-15
Overall COPD	NCK2	cg14131038	rs57567085	C	G	-0.759	0.041	0.085	4.71E-76	-0.025	0.012	0.040	0.084	340.420	TRUE	1.32E-72
Overall COPD	NCK2	cg14131038	rs62146634	A	C	-0.205	0.026	0.285	4.04E-15	-0.003	0.007	0.723	0.016	61.647	TRUE	6.50E-15
Overall COPD	NCK2	cg14131038	rs62154066	A	G	0.409	0.058	0.045	1.39E-12	0.017	0.018	0.337	0.013	50.168	TRUE	2.62E-12
Overall COPD	NCK2	cg14131038	rs6734644	A	G	-0.208	0.027	0.257	8.77E-15	-0.006	0.008	0.436	0.016	60.123	TRUE	1.69E-14
Overall COPD	NCK2	cg14131038	rs72823399	G	A	-0.274	0.049	0.058	1.72E-08	0.013	0.013	0.298	0.009	31.765	TRUE	2.77E-08
Overall COPD	NCK2	cg14131038	rs7581139	G	A	0.160	0.024	0.451	1.67E-11	0.002	0.007	0.773	0.012	45.300	TRUE	2.28E-11
Overall COPD	NCK2	cg14210321	rs10490697	G	A	-0.206	0.034	0.137	2.37E-09	-0.001	0.010	0.949	0.010	35.622	TRUE	2.79E-09
Overall COPD	NCK2	cg14210321	rs114545687	G	A	-0.426	0.075	0.024	1.61E-08	-0.020	0.025	0.438	0.009	31.896	TRUE	2.37E-08
Overall COPD	NCK2	cg14210321	rs115295484	A	C	-0.258	0.040	0.101	1.13E-10	-0.017	0.011	0.139	0.011	41.557	TRUE	2.38E-10
Overall COPD	NCK2	cg14210321	rs116406494	A	G	-0.554	0.094	0.014	4.43E-09	-0.036	0.029	0.214	0.009	34.408	TRUE	7.85E-09
Overall COPD	NCK2	cg14210321	rs11687998	T	C	0.230	0.030	0.188	1.93E-14	0.001	0.009	0.911	0.016	58.567	TRUE	2.71E-14
Overall COPD	NCK2	cg14210321	rs13025485	G	A	-0.212	0.025	0.329	8.17E-18	0.013	0.007	0.078	0.020	73.871	TRUE	3.04E-17
Overall COPD	NCK2	cg14210321	rs35048252	T	C	0.298	0.026	0.265	4.73E-30	0.002	0.008	0.835	0.034	129.644	TRUE	1.53E-29
Overall COPD	NCK2	cg14210321	rs35677272	T	C	-0.658	0.023	0.354	1.60E-176	0.001	0.007	0.860	0.178	802.001	TRUE	2.31E-164
Overall COPD	NCK2	cg14210321	rs4851092	G	A	0.302	0.029	0.184	1.38E-24	0.013	0.009	0.177	0.028	104.705	TRUE	6.42E-24
Overall COPD	NCK2	cg14210321	rs62148194	T	C	0.255	0.045	0.067	1.64E-08	-0.008	0.013	0.564	0.009	31.866	TRUE	2.25E-08
Overall COPD	NCK2	cg14210321	rs6728842	G	T	-0.289	0.036	0.118	1.25E-15	0.016	0.010	0.104	0.017	63.949	TRUE	3.78E-15
Overall COPD	NCK2	cg14210321	rs6755914	G	A	0.245	0.033	0.182	2.07E-13	0.000	0.009	0.973	0.014	53.906	TRUE	2.70E-13
Overall COPD	NCK2	cg14210321	rs7602845	G	T	0.165	0.027	0.242	1.35E-09	-0.003	0.008	0.753	0.010	36.723	TRUE	1.75E-09

Overall COPD	NCK2	cg16077055	rs10445869	C	G	0.264	0.047	0.068	2.65E-08	-0.013	0.014	0.355	0.008	30.934	TRUE	4.05E-08
Overall COPD	NCK2	cg16077055	rs115295484	A	C	0.343	0.040	0.101	8.87E-18	-0.017	0.011	0.139	0.020	73.710	TRUE	2.84E-17
Overall COPD	NCK2	cg16077055	rs116098659	T	C	-0.298	0.052	0.050	1.35E-08	-0.007	0.014	0.608	0.009	32.246	TRUE	1.81E-08
Overall COPD	NCK2	cg16077055	rs12053259	A	G	0.747	0.021	0.363	6.72E-269	0.000	0.007	0.992	0.249	1226.750	TRUE	1.15E-242
Overall COPD	NCK2	cg16077055	rs1963915	A	G	0.165	0.029	0.207	1.08E-08	0.015	0.008	0.066	0.009	32.672	TRUE	2.30E-08
Overall COPD	NCK2	cg16077055	rs2567195	G	A	-0.167	0.025	0.312	4.76E-11	-0.007	0.007	0.366	0.012	43.252	TRUE	8.16E-11
Overall COPD	NCK2	cg16077055	rs336495	G	A	-0.336	0.047	0.071	5.24E-13	-0.014	0.012	0.247	0.014	52.086	TRUE	1.10E-12
Overall COPD	NCK2	cg16077055	rs336500	T	C	-0.263	0.024	0.353	2.73E-27	0.003	0.007	0.649	0.031	117.033	TRUE	8.72E-27
Overall COPD	NCK2	cg16077055	rs4851805	G	A	-0.143	0.024	0.452	1.65E-09	-0.002	0.007	0.754	0.010	36.324	TRUE	2.14E-09
Overall COPD	NCK2	cg16077055	rs4851823	C	T	-0.171	0.030	0.197	8.53E-09	0.002	0.009	0.786	0.009	33.133	TRUE	1.06E-08
Overall COPD	NCK2	cg16077055	rs58195928	T	G	-0.366	0.037	0.119	6.01E-23	-0.007	0.011	0.481	0.026	97.231	TRUE	1.72E-22
Overall COPD	NCK2	cg16077055	rs6755914	G	A	-0.235	0.033	0.182	1.84E-12	0.000	0.009	0.973	0.013	49.616	TRUE	2.34E-12
Overall COPD	NCK2	cg16077055	rs72931623	C	T	0.350	0.036	0.119	3.24E-22	0.016	0.010	0.105	0.025	93.897	TRUE	1.50E-21
Overall COPD	NCK2	cg16077055	rs78158772	G	A	-0.302	0.047	0.191	1.16E-10	0.002	0.009	0.822	0.011	41.510	TRUE	1.50E-10
Overall COPD	NCK2	cg16077055	rs997136	T	C	-0.287	0.024	0.357	4.47E-32	-0.010	0.007	0.146	0.036	138.896	TRUE	3.93E-31
Overall COPD	NCK2	cg17501982	rs12475901	A	G	0.236	0.028	0.213	4.43E-17	-0.003	0.008	0.719	0.019	70.536	TRUE	7.77E-17
Overall COPD	NCK2	cg17501982	rs2047699	T	C	-0.275	0.034	0.147	2.46E-16	-0.009	0.009	0.333	0.018	67.161	TRUE	5.61E-16
Overall COPD	NCK2	cg21101995	rs4851841	A	G	-0.157	0.024	0.401	1.05E-10	-0.005	0.007	0.451	0.011	41.705	TRUE	1.67E-10
Overall COPD	NCK2	cg21551182	rs10496402	G	A	-0.359	0.042	0.085	9.00E-18	-0.024	0.012	0.042	0.020	73.680	TRUE	3.81E-17
Overall COPD	NCK2	cg21551182	rs62152231	G	A	0.481	0.058	0.046	6.66E-17	0.028	0.017	0.087	0.019	69.734	TRUE	2.27E-16
Overall COPD	NCK2	cg21551182	rs6707820	T	C	-0.280	0.037	0.122	3.27E-14	-0.008	0.011	0.454	0.015	57.535	TRUE	6.06E-14
Overall COPD	NCK2	cg21551182	rs72823386	A	G	0.275	0.041	0.093	1.55E-11	-0.019	0.011	0.094	0.012	45.440	TRUE	3.72E-11
Overall COPD	NCK2	cg21551182	rs7602442	C	T	-0.454	0.023	0.412	3.38E-86	-0.003	0.007	0.622	0.095	386.982	TRUE	8.23E-83
Overall COPD	NCK2	cg22687475	rs6752445	T	G	0.247	0.039	0.100	2.77E-10	-0.004	0.011	0.751	0.011	39.812	TRUE	3.67E-10
Overall COPD	NCK2	cg22765178	rs11691468	T	A	-0.170	0.024	0.360	2.32E-12	0.000	0.010	0.971	0.013	49.165	TRUE	2.93E-12
Overall COPD	NCK2	cg22765178	rs4851844	A	C	-0.374	0.024	0.414	1.73E-56	-0.004	0.007	0.562	0.063	250.672	TRUE	7.91E-55
Overall COPD	NCK2	cg22765178	rs72823386	A	G	0.333	0.041	0.093	2.36E-16	-0.019	0.011	0.094	0.018	67.243	TRUE	7.60E-16
Overall COPD	NCK2	cg25961567	rs2047699	T	C	-0.197	0.034	0.147	3.95E-09	-0.009	0.009	0.333	0.009	34.630	TRUE	6.37E-09
Overall COPD	NCK2	cg25961567	rs6543337	G	C	0.238	0.030	0.192	1.92E-15	0.005	0.009	0.586	0.017	63.116	TRUE	3.42E-15
Overall COPD	NCK2	cg26377276	rs17208218	T	C	0.146	0.023	0.423	2.37E-10	0.001	0.007	0.937	0.011	40.116	TRUE	2.87E-10
Overall COPD	NDUFA13	cg03233793	rs77427798	C	T	-0.344	0.031	0.168	1.04E-28	-0.024	0.009	0.009	0.032	123.507	TRUE	1.51E-27
Overall COPD	NDUFA13	cg07624705	rs2860494	T	C	-0.484	0.031	0.171	1.50E-56	-0.024	0.009	0.010	0.064	250.960	TRUE	4.40E-54
Overall COPD	NDUFA13	cg07624705	rs55705533	A	G	-0.281	0.051	0.053	4.25E-08	-0.015	0.017	0.391	0.008	30.015	TRUE	6.31E-08
Overall COPD	NDUFA13	cg08331981	rs2860494	T	C	-0.352	0.031	0.171	2.38E-30	-0.024	0.009	0.010	0.034	131.007	TRUE	3.88E-29
Overall COPD	NDUFA13	cg08815677	rs4808963	A	G	-0.608	0.054	0.054	8.57E-30	0.033	0.015	0.028	0.034	128.465	TRUE	1.03E-28
Overall COPD	NDUFA13	cg08815677	rs769267	G	A	-0.168	0.024	0.354	5.91E-12	-0.011	0.007	0.112	0.013	47.334	TRUE	1.40E-11
Overall COPD	NDUFA13	cg25274157	rs7252453	C	G	-0.376	0.030	0.178	1.87E-35	-0.018	0.009	0.041	0.040	154.344	TRUE	3.35E-34
Overall COPD	NEDD4	cg02198044	rs1509408	C	A	-0.302	0.026	0.255	3.58E-31	0.019	0.008	0.018	0.035	134.768	TRUE	5.48E-30
Overall COPD	NEDD4	cg05129572	rs112740777	C	G	1.042	0.066	0.033	1.79E-55	0.004	0.018	0.840	0.062	246.023	TRUE	5.15E-54
Overall COPD	NEDD4	cg05129572	rs11857557	A	G	0.172	0.028	0.218	6.13E-10	0.005	0.008	0.547	0.010	38.259	TRUE	8.94E-10
Overall COPD	NEDD4	cg05129572	rs143067573	T	C	0.687	0.041	0.090	9.34E-64	-0.001	0.013	0.930	0.071	284.000	TRUE	6.22E-62
Overall COPD	NEDD4	cg05129572	rs17238381	C	T	0.165	0.023	0.423	2.27E-12	0.003	0.007	0.690	0.013	49.211	TRUE	3.34E-12

Overall COPD	NEDD4	cg05129572	rs186466334	T	A	0.602	0.075	0.023	1.24E-15	0.023	0.038	0.538	0.017	63.971	TRUE	2.31E-15
Overall COPD	NEDD4	cg05129572	rs28618157	G	A	0.282	0.048	0.067	3.69E-09	-0.003	0.013	0.853	0.009	34.760	TRUE	4.51E-09
Overall COPD	NEDD4	cg05129572	rs57871595	A	G	-0.316	0.024	0.373	7.54E-40	-0.002	0.007	0.823	0.045	174.446	TRUE	5.03E-39
Overall COPD	NEDD4	cg05129572	rs62045211	T	C	-0.269	0.030	0.183	9.06E-19	0.010	0.009	0.238	0.021	78.213	TRUE	2.64E-18
Overall COPD	NEDD4	cg05129572	rs75417626	T	C	-0.215	0.029	0.215	5.24E-14	-0.005	0.008	0.574	0.015	56.607	TRUE	8.85E-14
Overall COPD	NEDD4	cg05129572	rs8033577	G	A	1.035	0.023	0.206	<1E-200	-0.010	0.008	0.240	0.346	1956.276	TRUE	<1E-200
Overall COPD	NEDD4	cg10433327	rs7174459	T	C	0.211	0.026	0.263	1.56E-15	0.012	0.007	0.112	0.017	63.522	TRUE	4.58E-15
Overall COPD	NEDD4	cg20929476	rs2136385	C	A	-0.278	0.023	0.484	2.82E-32	-0.010	0.007	0.140	0.036	139.813	TRUE	2.55E-31
Overall COPD	NEDD4	cg20929476	rs9652429	C	T	-0.528	0.037	0.109	1.47E-45	-0.004	0.010	0.680	0.051	200.597	TRUE	1.87E-44
Overall COPD	NEDD4	cg24686153	rs11071216	T	C	-0.240	0.024	0.341	8.11E-23	0.008	0.007	0.278	0.025	96.638	TRUE	2.87E-22
Overall COPD	NEDD4	cg24686153	rs11631355	T	C	0.248	0.032	0.392	1.27E-14	0.001	0.008	0.863	0.016	59.390	TRUE	1.84E-14
Overall COPD	NEDD4	cg24686153	rs17819156	A	G	0.368	0.065	0.063	1.48E-08	-0.001	0.014	0.921	0.009	32.061	TRUE	1.73E-08
Overall COPD	NEDD4	cg24686153	rs186466334	T	A	0.635	0.075	0.023	2.70E-17	0.023	0.038	0.538	0.019	71.514	TRUE	5.43E-17
Overall COPD	NEDD4	cg24686153	rs34333169	C	G	-1.387	0.037	0.078	<1E-200	0.017	0.011	0.131	0.278	1426.874	TRUE	1.56E-276
Overall COPD	NEDD4	cg24686153	rs72732276	C	T	1.166	0.035	0.103	6.87E-248	-0.017	0.011	0.117	0.234	1130.132	TRUE	5.21E-224
Overall COPD	NEDD4	cg24686153	rs748028	A	G	-0.385	0.035	0.280	9.51E-28	0.011	0.008	0.153	0.031	119.128	TRUE	5.85E-27
Overall COPD	NEDD4	cg24686153	rs79396235	G	T	0.318	0.046	0.076	3.03E-12	-0.002	0.013	0.906	0.013	48.641	TRUE	3.95E-12
Overall COPD	NEU1	cg00397479	rs9268158	T	C	-0.290	0.034	0.128	4.12E-17	0.039	0.012	0.001	0.019	70.680	TRUE	3.10E-16
Overall COPD	NEU1	cg00397479	rs9276569	T	C	-0.135	0.023	0.479	4.28E-09	0.002	0.007	0.762	0.009	34.475	TRUE	5.43E-09
Overall COPD	NEU1	cg13634177	rs3130455	T	A	-0.155	0.027	0.255	6.86E-09	0.018	0.009	0.032	0.009	33.556	TRUE	1.65E-08
Overall COPD	NEU1	cg25560247	rs385306	A	G	-0.207	0.029	0.217	6.44E-13	0.009	0.008	0.253	0.014	51.680	TRUE	1.34E-12
Overall COPD	NEU1	cg27645345	rs116312062	G	T	-0.197	0.034	0.137	6.22E-09	0.042	0.011	2.76E-04	0.009	33.747	TRUE	2.50E-08
Overall COPD	NFATC4	cg00462311	rs12050389	A	G	0.166	0.029	0.210	6.22E-09	0.018	0.008	0.029	0.009	33.747	TRUE	1.52E-08
Overall COPD	NFATC4	cg01233722	rs56082702	A	C	-0.265	0.042	0.085	2.62E-10	0.017	0.013	0.190	0.011	39.917	TRUE	5.08E-10
Overall COPD	NFATC4	cg01658259	rs10146996	G	C	-0.267	0.037	0.116	4.46E-13	0.002	0.011	0.829	0.014	52.401	TRUE	6.23E-13
Overall COPD	NFATC4	cg01658259	rs11845606	G	C	0.262	0.048	0.060	4.04E-08	0.022	0.015	0.133	0.008	30.113	TRUE	7.44E-08
Overall COPD	NFATC4	cg01658259	rs140708216	A	G	0.652	0.080	0.025	4.65E-16	-0.004	0.029	0.888	0.018	65.903	TRUE	7.01E-16
Overall COPD	NFATC4	cg01658259	rs28365903	G	C	0.812	0.029	0.180	1.32E-172	0.019	0.009	0.028	0.175	783.996	TRUE	1.57E-159
Overall COPD	NFATC4	cg01658259	rs4575	C	T	0.142	0.025	0.305	2.59E-08	0.011	0.008	0.144	0.008	30.979	TRUE	4.74E-08
Overall COPD	NFATC4	cg04267345	rs2228233	T	C	-0.149	0.026	0.284	9.57E-09	0.019	0.008	0.014	0.009	32.909	TRUE	2.53E-08
Overall COPD	NFATC4	cg04267345	rs2332326	G	C	-0.443	0.037	0.113	2.97E-33	-0.001	0.011	0.903	0.038	144.276	TRUE	1.12E-32
Overall COPD	NFATC4	cg06993714	rs2332326	G	C	-0.695	0.036	0.113	3.02E-81	-0.001	0.011	0.903	0.090	364.254	TRUE	2.24E-78
Overall COPD	NFATC4	cg06993714	rs41295318	T	C	-0.511	0.064	0.044	1.76E-15	0.015	0.017	0.402	0.017	63.287	TRUE	3.61E-15
Overall COPD	NFATC4	cg06993714	rs72694396	C	T	-0.331	0.056	0.118	3.96E-09	0.007	0.010	0.479	0.009	34.622	TRUE	5.83E-09
Overall COPD	NFATC4	cg06993714	rs75335478	G	A	-0.678	0.104	0.012	6.53E-11	0.038	0.026	0.138	0.011	42.630	TRUE	1.40E-10
Overall COPD	NFATC4	cg06993714	rs8003102	C	T	0.272	0.029	0.213	2.43E-21	0.020	0.014	0.141	0.024	89.912	TRUE	9.76E-21
Overall COPD	NFATC4	cg07162820	rs10151147	T	C	-0.412	0.046	0.070	2.17E-19	0.005	0.014	0.730	0.021	81.033	TRUE	4.20E-19
Overall COPD	NFATC4	cg07162820	rs12431836	A	G	1.011	0.026	0.188	<1E-200	0.019	0.009	0.029	0.289	1506.617	TRUE	1.20E-289
Overall COPD	NFATC4	cg07162820	rs13841	G	A	0.222	0.039	0.350	8.34E-09	0.012	0.008	0.099	0.009	33.177	TRUE	1.68E-08
Overall COPD	NFATC4	cg07162820	rs140708216	A	G	0.840	0.080	0.025	9.88E-26	-0.004	0.029	0.888	0.029	109.923	TRUE	2.35E-25
Overall COPD	NFATC4	cg07162820	rs142604986	T	C	0.501	0.076	0.026	3.53E-11	0.037	0.019	0.057	0.012	43.833	TRUE	9.05E-11
Overall COPD	NFATC4	cg07162820	rs3181382	T	G	-0.385	0.066	0.031	5.76E-09	-0.008	0.018	0.677	0.009	33.897	TRUE	7.59E-09

Overall COPD	NFATC4	cg07162820	rs36113166	A	G	0.143	0.025	0.354	7.69E-09	0.007	0.007	0.335	0.009	33.333	TRUE	1.22E-08
Overall COPD	NFATC4	cg07162820	rs36226649	C	T	-0.310	0.048	0.061	1.07E-10	-0.002	0.014	0.883	0.011	41.664	TRUE	1.35E-10
Overall COPD	NFATC4	cg07162820	rs3891905	G	A	0.182	0.023	0.475	6.84E-15	0.000	0.007	0.994	0.016	60.611	TRUE	9.26E-15
Overall COPD	NFATC4	cg07162820	rs4537942	T	C	0.467	0.083	0.053	1.69E-08	0.011	0.016	0.514	0.009	31.803	TRUE	2.38E-08
Overall COPD	NFATC4	cg07162820	rs45578038	A	G	0.957	0.172	0.011	2.76E-08	0.051	0.025	0.039	0.008	30.850	TRUE	6.20E-08
Overall COPD	NFATC4	cg07162820	rs8010715	C	T	0.180	0.026	0.267	9.23E-12	0.009	0.008	0.260	0.012	46.460	TRUE	1.79E-11
Overall COPD	NFATC4	cg07548372	rs113678538	T	C	-0.584	0.078	0.025	5.21E-14	0.007	0.020	0.722	0.015	56.620	TRUE	8.01E-14
Overall COPD	NFATC4	cg07548372	rs8008583	T	C	-0.267	0.028	0.220	1.77E-21	0.017	0.008	0.030	0.024	90.540	TRUE	1.06E-20
Overall COPD	NFATC4	cg10974463	rs8003102	C	T	-0.264	0.029	0.213	4.13E-20	0.020	0.014	0.141	0.022	84.310	TRUE	1.53E-19
Overall COPD	NFATC4	cg13536265	rs140708216	A	G	0.567	0.080	0.025	1.81E-12	-0.004	0.029	0.888	0.013	49.658	TRUE	2.39E-12
Overall COPD	NFATC4	cg13536265	rs34657109	C	T	0.156	0.023	0.482	2.23E-11	0.000	0.007	0.970	0.012	44.737	TRUE	2.74E-11
Overall COPD	NFATC4	cg13536265	rs8003102	C	T	0.566	0.028	0.213	1.66E-90	0.020	0.014	0.141	0.099	406.765	TRUE	2.60E-86
Overall COPD	NFATC4	cg14058476	rs2332326	G	C	-0.375	0.037	0.113	3.06E-24	-0.001	0.011	0.903	0.027	103.126	TRUE	6.64E-24
Overall COPD	NFATC4	cg14058476	rs8003102	C	T	0.166	0.029	0.213	6.44E-09	0.020	0.014	0.141	0.009	33.679	TRUE	1.23E-08
Overall COPD	NFATC4	cg20941956	rs10150368	A	G	0.425	0.076	0.026	2.45E-08	0.016	0.019	0.401	0.008	31.081	TRUE	3.66E-08
Overall COPD	NFATC4	cg20941956	rs140708216	A	G	0.650	0.080	0.025	5.00E-16	-0.004	0.029	0.888	0.017	65.759	TRUE	7.53E-16
Overall COPD	NFATC4	cg20941956	rs142604986	T	C	0.419	0.076	0.026	2.94E-08	0.037	0.019	0.057	0.008	30.729	TRUE	6.23E-08
Overall COPD	NFATC4	cg20941956	rs78055917	A	G	0.430	0.069	0.029	6.28E-10	0.022	0.030	0.459	0.010	38.213	TRUE	9.64E-10
Overall COPD	NFATC4	cg20941956	rs8003102	C	T	0.676	0.028	0.213	4.91E-132	0.020	0.014	0.141	0.139	597.527	TRUE	3.88E-124
Overall COPD	NFATC4	cg20941956	rs8010715	C	T	0.154	0.026	0.267	5.16E-09	0.009	0.008	0.260	0.009	34.110	TRUE	8.75E-09
Overall COPD	NFATC4	cg20941956	rs8017377	A	G	-0.158	0.023	0.468	1.14E-11	0.006	0.007	0.355	0.012	46.039	TRUE	2.04E-11
Overall COPD	NFATC4	cg20941956	rs954134	G	A	-0.227	0.036	0.123	1.86E-10	-0.007	0.011	0.504	0.011	40.587	TRUE	2.84E-10
Overall COPD	NFATC4	cg26158983	rs2332326	G	C	0.446	0.036	0.113	1.90E-34	-0.001	0.011	0.903	0.039	149.736	TRUE	7.77E-34
Overall COPD	NFATC4	cg26705574	rs7148384	T	C	0.267	0.030	0.189	5.73E-19	0.019	0.009	0.029	0.021	79.115	TRUE	2.87E-18
Overall COPD	NFKBIA	cg00689225	rs10132268	T	C	-0.196	0.027	0.253	5.63E-13	-0.002	0.007	0.837	0.014	51.944	TRUE	7.81E-13
Overall COPD	NFKBIA	cg00689225	rs10147080	A	C	-0.271	0.023	0.495	5.91E-32	0.011	0.007	0.115	0.036	138.341	TRUE	5.60E-31
Overall COPD	NFKBIA	cg00689225	rs10150675	T	C	0.180	0.026	0.314	2.20E-12	-0.001	0.007	0.884	0.013	49.271	TRUE	2.91E-12
Overall COPD	NFKBIA	cg00689225	rs10437989	A	G	0.214	0.028	0.214	5.40E-14	-0.017	0.009	0.050	0.015	56.549	TRUE	1.71E-13
Overall COPD	NFKBIA	cg00689225	rs11628934	G	T	0.151	0.025	0.313	1.18E-09	-0.016	0.013	0.214	0.010	36.987	TRUE	2.15E-09
Overall COPD	NFKBIA	cg00689225	rs12433012	A	G	0.293	0.033	0.144	7.44E-19	-0.016	0.010	0.095	0.021	78.602	TRUE	2.82E-18
Overall COPD	NFKBIA	cg00689225	rs12887885	T	G	0.278	0.029	0.212	1.85E-22	-0.014	0.008	0.097	0.025	95.008	TRUE	8.91E-22
Overall COPD	NFKBIA	cg00689225	rs138934155	A	C	0.404	0.063	0.035	1.58E-10	-0.015	0.018	0.408	0.011	40.906	TRUE	2.57E-10
Overall COPD	NFKBIA	cg00689225	rs2383668	G	A	-0.216	0.024	0.448	9.17E-20	-0.011	0.007	0.127	0.022	82.735	TRUE	3.42E-19
Overall COPD	NFKBIA	cg00689225	rs28394050	T	C	0.177	0.028	0.235	2.71E-10	-0.002	0.008	0.804	0.011	39.854	TRUE	3.50E-10
Overall COPD	NFKBIA	cg00689225	rs4982269	C	T	0.418	0.024	0.363	1.74E-68	-0.009	0.007	0.242	0.076	305.695	TRUE	6.35E-66
Overall COPD	NFKBIA	cg00689225	rs544522352	T	A	0.328	0.034	0.134	1.88E-21	-0.255	0.565	0.651	0.024	90.422	TRUE	4.27E-21
Overall COPD	NFKBIA	cg00689225	rs55906313	A	G	0.327	0.043	0.080	2.61E-14	0.004	0.013	0.749	0.015	57.981	TRUE	3.99E-14
Overall COPD	NFKBIA	cg00689225	rs7155348	C	T	-0.296	0.024	0.368	2.47E-34	0.016	0.007	0.022	0.039	149.215	TRUE	4.79E-33
Overall COPD	NFKBIA	cg00689225	rs72664811	C	T	-0.700	0.072	0.030	2.19E-22	0.017	0.019	0.352	0.025	94.673	TRUE	6.90E-22
Overall COPD	NFKBIA	cg00689225	rs72666636	T	G	-0.862	0.024	0.236	7.92E-274	0.018	0.008	0.022	0.252	1249.419	TRUE	9.90E-245
Overall COPD	NFKBIA	cg00689225	rs72675290	T	C	-0.335	0.043	0.078	4.77E-15	0.013	0.012	0.295	0.016	61.321	TRUE	1.06E-14
Overall COPD	NFKBIA	cg00689225	rs79679865	A	G	-0.768	0.063	0.036	4.12E-34	0.057	0.018	0.002	0.039	148.199	TRUE	1.40E-32

Overall COPD	NFKBIA	cg00689225	rs8018193	A	G	-0.264	0.024	0.368	3.87E-27	0.012	0.007	0.087	0.030	116.346	TRUE	2.72E-26
Overall COPD	NFKBIA	cg00689225	rs80352430	C	T	0.438	0.073	0.058	1.62E-09	0.006	0.014	0.681	0.010	36.364	TRUE	2.17E-09
Overall COPD	NFKBIA	cg04545963	rs10437989	A	G	0.217	0.028	0.214	2.10E-14	-0.017	0.009	0.050	0.016	58.409	TRUE	6.81E-14
Overall COPD	NFKBIA	cg04545963	rs117452942	A	C	-0.662	0.063	0.037	1.59E-25	0.053	0.018	0.003	0.029	108.984	TRUE	2.10E-24
Overall COPD	NFKBIA	cg04545963	rs11845203	G	A	0.141	0.025	0.293	3.41E-08	-0.006	0.008	0.417	0.008	30.443	TRUE	5.00E-08
Overall COPD	NFKBIA	cg04545963	rs12896587	C	A	0.227	0.023	0.493	7.86E-23	-0.001	0.007	0.931	0.025	96.699	TRUE	1.55E-22
Overall COPD	NFKBIA	cg04545963	rs17103246	G	C	0.394	0.029	0.184	6.83E-41	-0.002	0.009	0.797	0.046	179.221	TRUE	5.09E-40
Overall COPD	NFKBIA	cg04545963	rs2383668	G	A	-0.198	0.024	0.448	6.19E-17	-0.011	0.007	0.127	0.019	69.879	TRUE	1.92E-16
Overall COPD	NFKBIA	cg04545963	rs2383686	A	T	0.300	0.029	0.216	7.10E-25	-0.010	0.008	0.224	0.028	106.016	TRUE	3.11E-24
Overall COPD	NFKBIA	cg04545963	rs28736857	T	C	0.207	0.027	0.253	2.67E-14	-0.007	0.009	0.440	0.015	57.930	TRUE	5.03E-14
Overall COPD	NFKBIA	cg04545963	rs36052232	G	A	-0.499	0.091	0.037	4.65E-08	-0.016	0.015	0.287	0.008	29.842	TRUE	7.38E-08
Overall COPD	NFKBIA	cg04545963	rs4982269	C	T	0.329	0.024	0.363	1.08E-42	-0.009	0.007	0.242	0.048	187.462	TRUE	1.96E-41
Overall COPD	NFKBIA	cg04545963	rs7149937	C	T	0.187	0.028	0.222	1.59E-11	-0.006	0.008	0.477	0.012	45.391	TRUE	2.58E-11
Overall COPD	NFKBIA	cg04545963	rs7155348	C	T	-0.306	0.024	0.368	1.93E-36	0.016	0.007	0.022	0.041	158.848	TRUE	4.59E-35
Overall COPD	NFKBIA	cg04545963	rs72664811	C	T	-0.658	0.072	0.030	5.83E-20	0.017	0.019	0.352	0.022	83.630	TRUE	1.59E-19
Overall COPD	NFKBIA	cg04545963	rs72666636	T	G	-0.801	0.026	0.236	9.66E-208	0.018	0.008	0.022	0.204	945.521	TRUE	1.06E-189
Overall COPD	NFKBIA	cg04545963	rs72675290	T	C	-0.290	0.043	0.078	1.28E-11	0.013	0.012	0.295	0.012	45.813	TRUE	2.40E-11
Overall COPD	NFKBIA	cg04545963	rs8018193	A	G	-0.262	0.025	0.368	1.12E-26	0.012	0.007	0.087	0.030	114.230	TRUE	7.64E-26
Overall COPD	NFKBIA	cg16518861	rs10143075	T	C	0.261	0.024	0.368	4.32E-27	0.003	0.007	0.663	0.030	116.127	TRUE	1.34E-26
Overall COPD	NFKBIA	cg16518861	rs1022714	A	G	0.182	0.030	0.203	8.60E-10	0.003	0.009	0.745	0.010	37.599	TRUE	1.13E-09
Overall COPD	NFKBIA	cg16518861	rs117452942	A	C	-0.778	0.063	0.037	8.87E-35	0.053	0.018	0.003	0.039	151.250	TRUE	2.86E-33
Overall COPD	NFKBIA	cg16518861	rs1951269	C	A	-0.373	0.024	0.380	6.99E-54	0.012	0.007	0.087	0.061	238.726	TRUE	6.67E-52
Overall COPD	NFKBIA	cg16518861	rs1959150	A	T	0.264	0.024	0.347	1.93E-27	-0.004	0.007	0.543	0.031	117.724	TRUE	6.85E-27
Overall COPD	NFKBIA	cg16518861	rs3138056	T	C	0.398	0.024	0.339	1.47E-60	-0.010	0.008	0.171	0.068	269.344	TRUE	2.29E-58
Overall COPD	NFKBIA	cg16518861	rs34229939	G	C	0.226	0.032	0.159	2.79E-12	0.003	0.009	0.761	0.013	48.802	TRUE	3.94E-12
Overall COPD	NFKBIA	cg16518861	rs36052232	G	A	-0.629	0.091	0.037	4.77E-12	-0.016	0.015	0.287	0.013	47.753	TRUE	9.16E-12
Overall COPD	NFKBIA	cg16518861	rs4981281	G	C	0.303	0.026	0.258	2.04E-30	-0.016	0.007	0.027	0.034	131.314	TRUE	2.62E-29
Overall COPD	NFKBIA	cg16518861	rs61988356	A	G	0.321	0.052	0.051	7.80E-10	0.021	0.016	0.207	0.010	37.790	TRUE	1.45E-09
Overall COPD	NFKBIA	cg16518861	rs6571714	A	T	0.173	0.029	0.209	3.39E-09	-0.004	0.009	0.664	0.009	34.926	TRUE	4.53E-09
Overall COPD	NFKBIA	cg16518861	rs72664811	C	T	-0.654	0.072	0.030	1.01E-19	0.017	0.019	0.352	0.022	82.554	TRUE	2.71E-19
Overall COPD	NFKBIA	cg16518861	rs72666636	T	G	-0.929	0.024	0.236	<1E-200	0.018	0.008	0.022	0.294	1539.227	TRUE	4.04E-295
Overall COPD	NFKBIA	cg16518861	rs72675290	T	C	-0.331	0.043	0.078	9.58E-15	0.013	0.012	0.295	0.016	59.947	TRUE	2.09E-14
Overall COPD	NFKBIA	cg16518861	rs734008	G	T	0.337	0.029	0.197	1.47E-31	-0.007	0.009	0.402	0.036	136.534	TRUE	8.09E-31
Overall COPD	NFKBIA	cg16518861	rs78354812	T	C	0.526	0.059	0.039	4.85E-19	-0.025	0.016	0.125	0.021	79.447	TRUE	1.73E-18
Overall COPD	NFKBIA	cg16518861	rs79905967	C	T	-0.523	0.081	0.049	1.23E-10	0.021	0.017	0.231	0.011	41.393	TRUE	2.32E-10
Overall COPD	NFKBIA	cg16518861	rs799683	G	A	0.355	0.024	0.353	1.15E-48	-0.020	0.007	0.004	0.055	214.825	TRUE	1.69E-46
Overall COPD	NFKBIA	cg16518861	rs8003414	C	T	0.156	0.023	0.435	2.53E-11	-0.002	0.007	0.816	0.012	44.489	TRUE	3.35E-11
Overall COPD	NFKBIA	cg16518861	rs9743511	C	T	0.275	0.027	0.257	6.44E-25	-0.012	0.009	0.163	0.028	106.210	TRUE	3.16E-24
Overall COPD	NOD2	cg01055281	rs1109863	G	A	-0.141	0.026	0.290	3.92E-08	0.005	0.008	0.527	0.008	30.173	TRUE	5.40E-08
Overall COPD	NOD2	cg01055281	rs2066844	T	C	-0.762	0.081	0.046	4.31E-21	0.023	0.019	0.221	0.023	88.779	TRUE	1.48E-20
Overall COPD	NOD2	cg01068906	rs2066844	T	C	-1.527	0.077	0.046	8.55E-87	0.023	0.019	0.221	0.095	389.723	TRUE	5.33E-83
Overall COPD	NOD2	cg01068906	rs62028332	A	G	-0.233	0.035	0.135	2.83E-11	0.011	0.010	0.266	0.012	44.269	TRUE	5.33E-11

Overall COPD	NOD2	cg01068906	rs6500328	G	A	0.197	0.024	0.397	2.65E-16	0.011	0.007	0.116	0.018	67.012	TRUE	8.11E-16
Overall COPD	NOD2	cg01068906	rs74502244	T	C	-0.821	0.141	0.015	6.48E-09	0.024	0.037	0.520	0.009	33.668	TRUE	9.23E-09
Overall COPD	NOD2	cg01068906	rs78299226	T	C	-0.445	0.055	0.048	3.82E-16	0.011	0.015	0.464	0.018	66.293	TRUE	7.70E-16
Overall COPD	NOD2	cg01068906	rs9673419	C	A	-0.197	0.028	0.223	1.58E-12	-0.001	0.008	0.857	0.013	49.924	TRUE	2.13E-12
Overall COPD	NOD2	cg01243823	rs11642482	G	C	0.205	0.024	0.392	2.85E-17	0.011	0.007	0.105	0.019	71.406	TRUE	9.50E-17
Overall COPD	NOD2	cg04172533	rs11642482	G	C	0.357	0.024	0.392	2.93E-50	0.011	0.007	0.105	0.057	222.122	TRUE	1.70E-48
Overall COPD	NOD2	cg05261686	rs11647841	A	G	0.451	0.024	0.388	1.36E-80	0.011	0.007	0.104	0.089	361.257	TRUE	4.85E-77
Overall COPD	NOD2	cg08195491	rs2066844	T	C	-1.262	0.079	0.046	1.10E-57	0.023	0.019	0.221	0.065	256.157	TRUE	1.06E-55
Overall COPD	NOD2	cg08195491	rs62028332	A	G	-0.247	0.035	0.135	1.42E-12	0.011	0.010	0.266	0.013	50.128	TRUE	2.86E-12
Overall COPD	NOD2	cg08195491	rs6500328	G	A	0.160	0.024	0.397	2.74E-11	0.011	0.007	0.116	0.012	44.329	TRUE	6.21E-11
Overall COPD	NOD2	cg08195491	rs7192726	T	C	-0.177	0.032	0.156	2.74E-08	-0.004	0.010	0.703	0.008	30.865	TRUE	3.49E-08
Overall COPD	NOD2	cg08195491	rs78299226	T	C	-0.427	0.054	0.048	3.99E-15	0.011	0.015	0.464	0.016	61.671	TRUE	7.66E-15
Overall COPD	NOD2	cg08195491	rs9673419	C	A	-0.209	0.028	0.223	6.04E-14	-0.001	0.008	0.857	0.015	56.329	TRUE	8.56E-14
Overall COPD	NOD2	cg08554257	rs12925755	A	C	-0.135	0.025	0.369	3.97E-08	-0.004	0.007	0.616	0.008	30.148	TRUE	5.24E-08
Overall COPD	NOD2	cg08554257	rs2270368	G	A	0.235	0.025	0.287	2.55E-20	-0.019	0.007	0.013	0.023	85.267	TRUE	1.67E-19
Overall COPD	NOD2	cg16771652	rs2066850	A	G	-0.307	0.026	0.282	4.94E-33	0.003	0.008	0.700	0.037	143.266	TRUE	2.21E-32
Overall COPD	NOD2	cg16771652	rs8056611	A	G	-0.172	0.024	0.494	4.06E-13	-0.005	0.007	0.457	0.014	52.585	TRUE	7.15E-13
Overall COPD	NOD2	cg18177814	rs11649521	A	G	-0.272	0.026	0.282	4.62E-26	0.004	0.008	0.639	0.029	111.430	TRUE	1.38E-25
Overall COPD	NOD2	cg18177814	rs5743263	C	T	1.586	0.093	0.033	1.40E-64	0.002	0.019	0.930	0.072	287.785	TRUE	1.03E-62
Overall COPD	NOD2	cg18177814	rs7186262	C	T	0.213	0.026	0.306	1.06E-16	0.009	0.008	0.258	0.018	68.813	TRUE	2.68E-16
Overall COPD	NOD2	cg18177814	rs7206894	A	G	0.263	0.033	0.155	1.93E-15	-0.004	0.009	0.658	0.017	63.104	TRUE	3.27E-15
Overall COPD	NOD2	cg18177814	rs72788289	C	T	0.221	0.037	0.108	3.42E-09	0.007	0.011	0.503	0.009	34.907	TRUE	4.98E-09
Overall COPD	NOD2	cg18177814	rs79874988	T	A	0.453	0.042	0.086	2.67E-27	-0.006	0.012	0.631	0.031	117.084	TRUE	8.64E-27
Overall COPD	NOD2	cg18177814	rs9921146	A	C	0.231	0.024	0.349	1.89E-21	-0.011	0.007	0.126	0.024	90.404	TRUE	7.92E-21
Overall COPD	NOD2	cg18177814	rs9935378	T	C	0.183	0.027	0.249	9.37E-12	0.004	0.008	0.590	0.012	46.430	TRUE	1.43E-11
Overall COPD	NOD2	cg26954174	rs2270368	G	A	0.229	0.026	0.287	3.11E-19	-0.019	0.007	0.013	0.021	80.323	TRUE	1.87E-18
Overall COPD	NPC1	cg06830800	rs11659341	C	T	-0.277	0.033	0.151	1.66E-17	0.006	0.009	0.502	0.019	72.473	TRUE	3.47E-17
Overall COPD	NPC1	cg06830800	rs12966459	G	A	0.143	0.024	0.476	2.06E-09	-0.017	0.009	0.061	0.010	35.898	TRUE	4.66E-09
Overall COPD	NPC1	cg06830800	rs1594169	A	G	0.167	0.029	0.223	5.01E-09	-0.015	0.008	0.061	0.009	34.168	TRUE	1.11E-08
Overall COPD	NPC1	cg06830800	rs1652358	C	G	0.360	0.024	0.360	6.10E-50	-0.018	0.007	0.009	0.056	220.666	TRUE	8.12E-48
Overall COPD	NUPR1	cg01542023	rs112191041	G	A	-0.400	0.024	0.369	1.65E-63	0.024	0.007	3.87E-04	0.071	282.864	TRUE	3.20E-60
Overall COPD	NUPR1	cg01542023	rs192774745	C	G	0.143	0.025	0.326	1.33E-08	0.009	0.009	0.285	0.009	32.276	TRUE	2.16E-08
Overall COPD	NUPR1	cg01542023	rs9934709	T	C	0.151	0.026	0.285	7.19E-09	-0.007	0.008	0.418	0.009	33.464	TRUE	1.08E-08
Overall COPD	NUPR1	cg01803679	rs148016441	A	G	0.548	0.056	0.048	9.27E-23	-0.024	0.016	0.150	0.025	96.372	TRUE	4.02E-22
Overall COPD	NUPR1	cg01803679	rs6565261	A	C	0.151	0.026	0.292	6.07E-09	-0.005	0.008	0.546	0.009	33.794	TRUE	8.54E-09
Overall COPD	NUPR1	cg01803679	rs78721020	A	G	-0.348	0.063	0.040	3.83E-08	0.021	0.018	0.260	0.008	30.219	TRUE	6.22E-08
Overall COPD	NUPR1	cg05590982	rs149278	C	T	-0.189	0.023	0.452	3.26E-16	-0.029	0.009	9.04E-04	0.018	66.602	TRUE	2.30E-15
Overall COPD	NUPR1	cg15149645	rs17640009	G	A	-0.327	0.024	0.368	7.69E-43	0.024	0.007	4.17E-04	0.048	188.142	TRUE	9.42E-41
Overall COPD	NUPR1	cg16576597	rs17639997	T	G	-0.345	0.041	0.093	3.83E-17	0.016	0.015	0.291	0.019	70.825	TRUE	9.54E-17
Overall COPD	NUPR1	cg16576597	rs4115668	A	G	0.191	0.025	0.353	6.43E-15	0.023	0.007	0.002	0.016	60.733	TRUE	3.62E-14
Overall COPD	ORMDL3	cg04308185	rs1467258	G	A	0.220	0.034	0.141	7.97E-11	-0.020	0.010	0.044	0.011	42.242	TRUE	2.08E-10
Overall COPD	ORMDL3	cg04308185	rs35557848	T	C	-0.426	0.027	0.235	1.74E-54	-0.028	0.008	3.22E-04	0.061	241.491	TRUE	9.89E-52

Overall COPD	ORMDL3	cg04308185	rs3744246	T	C	0.446	0.029	0.216	4.48E-55	-0.025	0.008	0.002	0.062	244.194	TRUE	1.65E-52
Overall COPD	ORMDL3	cg04308185	rs4795396	T	C	0.708	0.114	0.013	5.78E-10	-0.028	0.032	0.380	0.010	38.372	TRUE	9.37E-10
Overall COPD	ORMDL3	cg08932654	rs35557848	T	C	-0.432	0.027	0.235	4.99E-56	-0.028	0.008	3.22E-04	0.063	248.563	TRUE	3.50E-53
Overall COPD	ORMDL3	cg08932654	rs3744246	T	C	0.255	0.029	0.216	1.08E-18	-0.025	0.008	0.002	0.021	77.865	TRUE	8.24E-18
Overall COPD	ORMDL3	cg08932654	rs407307	A	G	0.218	0.025	0.324	5.19E-18	0.038	0.008	4.53E-07	0.020	74.766	TRUE	1.03E-16
Overall COPD	ORMDL3	cg08932654	rs4795396	T	C	0.670	0.114	0.013	4.49E-09	-0.028	0.032	0.380	0.009	34.380	TRUE	7.00E-09
Overall COPD	ORMDL3	cg08932654	rs7502966	C	T	-0.144	0.024	0.427	1.31E-09	-0.023	0.007	0.002	0.010	36.786	TRUE	4.62E-09
Overall COPD	ORMDL3	cg10444806	rs35557848	T	C	-0.350	0.028	0.235	4.15E-37	-0.028	0.008	3.22E-04	0.042	161.907	TRUE	2.77E-35
Overall COPD	ORMDL3	cg10444806	rs3744246	T	C	0.340	0.029	0.216	2.11E-32	-0.025	0.008	0.002	0.037	140.381	TRUE	5.74E-31
Overall COPD	ORMDL3	cg10909506	rs11078916	T	C	-0.302	0.026	0.284	7.40E-31	0.025	0.008	0.002	0.035	133.325	TRUE	1.81E-29
Overall COPD	ORMDL3	cg10909506	rs114211283	A	T	-0.368	0.050	0.065	1.89E-13	0.040	0.014	0.005	0.014	54.092	TRUE	8.25E-13
Overall COPD	ORMDL3	cg10909506	rs12946335	T	C	0.646	0.116	0.019	2.25E-08	0.016	0.027	0.535	0.008	31.249	TRUE	3.12E-08
Overall COPD	ORMDL3	cg10909506	rs192665233	A	C	-0.475	0.078	0.039	1.16E-09	0.000	0.019	0.997	0.010	37.018	TRUE	1.34E-09
Overall COPD	ORMDL3	cg10909506	rs2060941	T	G	0.560	0.033	0.148	1.72E-66	-0.018	0.010	0.077	0.074	296.541	TRUE	8.75E-64
Overall COPD	ORMDL3	cg10909506	rs35797841	T	C	-0.331	0.058	0.035	1.32E-08	0.012	0.017	0.462	0.009	32.284	TRUE	1.92E-08
Overall COPD	ORMDL3	cg10909506	rs4065275	A	G	0.740	0.021	0.497	5.62E-282	-0.033	0.007	9.20E-07	0.258	1286.897	TRUE	4.49E-249
Overall COPD	ORMDL3	cg10909506	rs534012	C	T	0.188	0.032	0.162	6.35E-09	0.014	0.010	0.169	0.009	33.705	TRUE	1.17E-08
Overall COPD	ORMDL3	cg10909506	rs55913526	T	C	-0.508	0.043	0.077	7.28E-33	0.010	0.013	0.443	0.037	142.498	TRUE	4.21E-32
Overall COPD	ORMDL3	cg10909506	rs62065216	A	G	-0.263	0.024	0.417	8.33E-29	0.044	0.007	7.71E-10	0.032	123.955	TRUE	1.19E-26
Overall COPD	ORMDL3	cg10909506	rs62065258	A	G	-0.265	0.028	0.248	5.77E-22	0.023	0.008	0.005	0.024	92.755	TRUE	5.20E-21
Overall COPD	ORMDL3	cg10909506	rs72825201	C	A	0.370	0.050	0.061	1.88E-13	-0.015	0.014	0.283	0.014	54.094	TRUE	3.89E-13
Overall COPD	ORMDL3	cg10909506	rs72827105	G	C	0.333	0.048	0.160	4.59E-12	-0.019	0.010	0.047	0.013	47.830	TRUE	1.29E-11
Overall COPD	ORMDL3	cg10909506	rs72832972	T	C	-0.380	0.046	0.072	1.44E-16	0.008	0.013	0.542	0.018	68.213	TRUE	2.79E-16
Overall COPD	ORMDL3	cg12655416	rs11078892	T	C	-0.191	0.035	0.472	3.18E-08	0.005	0.008	0.484	0.008	30.578	TRUE	4.50E-08
Overall COPD	ORMDL3	cg12655416	rs113657930	G	C	-0.490	0.059	0.042	1.27E-16	0.021	0.016	0.191	0.018	68.467	TRUE	3.47E-16
Overall COPD	ORMDL3	cg12655416	rs117381273	A	G	0.573	0.049	0.058	9.63E-32	-0.028	0.013	0.033	0.036	137.372	TRUE	1.32E-30
Overall COPD	ORMDL3	cg12655416	rs12941811	T	C	-0.246	0.024	0.419	1.95E-25	0.026	0.007	1.60E-04	0.029	108.577	TRUE	4.26E-24
Overall COPD	ORMDL3	cg12655416	rs12946335	T	C	0.660	0.116	0.019	1.13E-08	0.016	0.027	0.535	0.009	32.593	TRUE	1.58E-08
Overall COPD	ORMDL3	cg12655416	rs16522	C	T	0.238	0.033	0.153	7.86E-13	-0.004	0.010	0.639	0.014	51.290	TRUE	1.21E-12
Overall COPD	ORMDL3	cg12655416	rs2715555	A	G	-0.301	0.033	0.148	2.62E-20	0.039	0.010	8.55E-05	0.023	85.210	TRUE	3.73E-19
Overall COPD	ORMDL3	cg12655416	rs4795388	A	G	-0.146	0.027	0.276	3.94E-08	0.026	0.008	9.46E-04	0.008	30.161	TRUE	1.31E-07
Overall COPD	ORMDL3	cg12655416	rs62066986	T	C	0.363	0.051	0.045	1.12E-12	-0.019	0.015	0.199	0.013	50.593	TRUE	2.44E-12
Overall COPD	ORMDL3	cg18711369	rs11078916	T	C	-0.297	0.026	0.284	5.34E-30	0.025	0.008	0.002	0.034	129.405	TRUE	1.20E-28
Overall COPD	ORMDL3	cg18711369	rs114211283	A	T	-0.434	0.050	0.065	3.18E-18	0.040	0.014	0.005	0.020	75.734	TRUE	2.06E-17
Overall COPD	ORMDL3	cg18711369	rs12946335	T	C	0.699	0.115	0.019	1.36E-09	0.016	0.027	0.535	0.010	36.705	TRUE	1.97E-09
Overall COPD	ORMDL3	cg18711369	rs2060941	T	G	0.512	0.033	0.148	1.01E-55	-0.018	0.010	0.077	0.063	247.160	TRUE	1.27E-53
Overall COPD	ORMDL3	cg18711369	rs3826331	T	C	-0.292	0.024	0.395	5.46E-35	0.026	0.007	1.60E-04	0.040	152.214	TRUE	3.28E-33
Overall COPD	ORMDL3	cg18711369	rs4065275	A	G	0.762	0.020	0.497	1.56E-302	-0.033	0.007	9.20E-07	0.275	1399.833	TRUE	9.41E-269
Overall COPD	ORMDL3	cg18711369	rs502041	C	G	0.165	0.028	0.225	5.78E-09	-0.025	0.010	0.008	0.009	33.890	TRUE	1.66E-08
Overall COPD	ORMDL3	cg18711369	rs534012	C	T	0.194	0.032	0.162	1.93E-09	0.014	0.010	0.169	0.010	36.023	TRUE	3.66E-09
Overall COPD	ORMDL3	cg18711369	rs62065258	A	G	-0.305	0.027	0.248	9.94E-29	0.023	0.008	0.005	0.032	123.605	TRUE	1.64E-27
Overall COPD	ORMDL3	cg18711369	rs72825201	C	A	0.346	0.050	0.061	6.05E-12	-0.015	0.014	0.283	0.013	47.287	TRUE	1.16E-11

Overall COPD	ORMDL3	cg18711369	rs72827105	G	C	0.341	0.048	0.160	1.34E-12	-0.019	0.010	0.047	0.013	50.236	TRUE	3.92E-12
Overall COPD	ORMDL3	cg18711369	rs72832972	T	C	-0.414	0.046	0.072	1.66E-19	0.008	0.013	0.542	0.022	81.558	TRUE	3.73E-19
Overall COPD	ORMDL3	cg18711369	rs79057213	G	C	0.564	0.048	0.061	6.53E-32	-0.026	0.013	0.046	0.036	138.143	TRUE	8.26E-31
Overall COPD	ORMDL3	cg18711369	rs79641947	T	C	-0.363	0.037	0.115	7.65E-23	0.018	0.012	0.139	0.025	96.754	TRUE	3.41E-22
Overall COPD	ORMDL3	cg19511844	rs7502539	A	G	-0.164	0.025	0.336	7.65E-11	-0.042	0.009	6.11E-06	0.011	42.323	TRUE	5.23E-10
Overall COPD	ORMDL3	cg22144450	rs114211283	A	T	-0.289	0.050	0.065	7.46E-09	0.040	0.014	0.005	0.009	33.392	TRUE	2.23E-08
Overall COPD	ORMDL3	cg22144450	rs2060941	T	G	0.389	0.033	0.148	1.26E-32	-0.018	0.010	0.077	0.037	141.411	TRUE	1.44E-31
Overall COPD	ORMDL3	cg22144450	rs2269457	C	T	-0.207	0.037	0.250	1.63E-08	0.024	0.008	0.003	0.009	31.870	TRUE	5.04E-08
Overall COPD	ORMDL3	cg22144450	rs4252596	A	C	-0.235	0.035	0.126	2.65E-11	0.010	0.010	0.349	0.012	44.396	TRUE	4.66E-11
Overall COPD	ORMDL3	cg22144450	rs4795401	A	G	-0.468	0.023	0.495	1.31E-92	0.033	0.007	1.05E-06	0.101	416.416	TRUE	1.67E-86
Overall COPD	ORMDL3	cg22144450	rs60082402	G	A	-0.195	0.024	0.381	3.91E-16	0.026	0.010	0.009	0.018	66.248	TRUE	1.96E-15
Overall COPD	ORMDL3	cg22144450	rs62065255	C	T	-0.208	0.027	0.253	2.50E-14	0.023	0.008	0.005	0.015	58.061	TRUE	1.19E-13
Overall COPD	ORMDL3	cg22144450	rs73985231	C	T	0.411	0.047	0.065	1.11E-18	-0.020	0.012	0.108	0.021	77.815	TRUE	4.02E-18
Overall COPD	P2RX7	cg00364287	rs10849846	C	T	0.990	0.053	0.049	6.47E-77	0.012	0.014	0.391	0.085	344.377	TRUE	5.65E-74
Overall COPD	P2RX7	cg00364287	rs185803657	A	G	0.642	0.074	0.021	2.56E-18	-0.018	0.025	0.476	0.020	76.159	TRUE	5.71E-18
Overall COPD	P2RX7	cg00364287	rs2567979	T	G	0.254	0.031	0.174	2.29E-16	-0.007	0.012	0.526	0.018	67.299	TRUE	4.45E-16
Overall COPD	P2RX7	cg00364287	rs2668254	T	C	0.139	0.024	0.487	4.79E-09	0.002	0.007	0.771	0.009	34.255	TRUE	6.05E-09
Overall COPD	P2RX7	cg00364287	rs73214168	C	T	0.155	0.028	0.235	1.89E-08	0.007	0.008	0.344	0.008	31.588	TRUE	2.93E-08
Overall COPD	P2RX7	cg05835635	rs11065420	C	T	-0.246	0.033	0.142	1.13E-13	0.015	0.010	0.137	0.015	55.100	TRUE	2.83E-13
Overall COPD	P2RX7	cg05835635	rs1180009	G	C	-0.632	0.033	0.131	2.37E-80	-0.003	0.009	0.718	0.089	360.147	TRUE	2.00E-77
Overall COPD	P2RX7	cg05835635	rs146718874	A	G	-0.416	0.075	0.023	2.99E-08	0.007	0.023	0.763	0.008	30.695	TRUE	3.71E-08
Overall COPD	P2RX7	cg05835635	rs1718125	T	C	-0.869	0.034	0.123	4.32E-143	0.014	0.010	0.147	0.149	648.334	TRUE	4.90E-134
Overall COPD	P2RX7	cg05835635	rs208296	A	G	0.275	0.025	0.324	5.09E-28	-0.008	0.008	0.293	0.032	120.368	TRUE	2.50E-27
Overall COPD	P2RX7	cg05835635	rs2303998	A	G	-0.653	0.090	0.017	4.67E-13	0.025	0.027	0.361	0.014	52.311	TRUE	8.83E-13
Overall COPD	P2RX7	cg05835635	rs2393844	A	G	-0.514	0.040	0.101	3.22E-38	0.007	0.011	0.539	0.043	166.986	TRUE	2.54E-37
Overall COPD	P2RX7	cg05835635	rs2567990	A	G	-0.508	0.055	0.056	1.54E-20	0.017	0.015	0.254	0.023	86.257	TRUE	4.90E-20
Overall COPD	P2RX7	cg05835635	rs28360463	A	C	-0.333	0.034	0.135	3.86E-22	0.005	0.009	0.571	0.025	93.550	TRUE	9.73E-22
Overall COPD	P2RX7	cg05835635	rs3751143	C	A	0.181	0.031	0.177	3.53E-09	0.006	0.011	0.571	0.009	34.850	TRUE	4.94E-09
Overall COPD	P2RX7	cg05835635	rs3850518	A	G	0.235	0.028	0.234	2.34E-17	0.009	0.009	0.282	0.019	71.797	TRUE	5.95E-17
Overall COPD	P2RX7	cg05835635	rs4403877	A	G	0.224	0.041	0.094	4.01E-08	-0.014	0.012	0.258	0.008	30.129	TRUE	6.52E-08
Overall COPD	P2RX7	cg05835635	rs4980988	C	T	-0.327	0.055	0.047	2.88E-09	0.020	0.015	0.202	0.009	35.243	TRUE	5.22E-09
Overall COPD	P2RX7	cg05835635	rs514108	C	T	-0.367	0.032	0.159	2.52E-31	0.019	0.009	0.036	0.035	135.463	TRUE	3.24E-30
Overall COPD	P2RX7	cg05835635	rs6489787	G	A	0.148	0.025	0.328	2.25E-09	0.003	0.007	0.638	0.010	35.724	TRUE	3.07E-09
Overall COPD	P2RX7	cg05835635	rs651606	A	G	-0.221	0.038	0.106	7.82E-09	0.003	0.011	0.817	0.009	33.302	TRUE	9.61E-09
Overall COPD	P2RX7	cg05835635	rs77728240	T	G	-0.566	0.081	0.020	3.51E-12	-0.001	0.020	0.968	0.013	48.353	TRUE	4.42E-12
Overall COPD	P2RX7	cg07203561	rs10849846	C	T	0.979	0.053	0.049	1.31E-75	0.012	0.014	0.391	0.084	338.376	TRUE	9.46E-73
Overall COPD	P2RX7	cg07203561	rs146718874	A	G	0.627	0.075	0.023	5.12E-17	0.007	0.023	0.763	0.019	70.251	TRUE	8.69E-17
Overall COPD	P2RX7	cg07203561	rs2567979	T	G	0.265	0.031	0.174	9.11E-18	-0.007	0.012	0.526	0.020	73.656	TRUE	1.89E-17
Overall COPD	P2RX7	cg07203561	rs2668254	T	C	0.131	0.024	0.487	3.43E-08	0.002	0.007	0.771	0.008	30.434	TRUE	4.22E-08
Overall COPD	P2RX7	cg07203561	rs28360475	G	A	0.165	0.027	0.234	1.89E-09	0.008	0.008	0.339	0.010	36.064	TRUE	3.08E-09
Overall COPD	P2RX7	cg07602200	rs10849846	C	T	0.640	0.054	0.049	1.09E-32	0.012	0.014	0.391	0.037	141.698	TRUE	6.62E-32
Overall COPD	P2RX7	cg08688169	rs2393799	T	C	-0.356	0.027	0.247	2.17E-40	0.004	0.008	0.654	0.046	176.918	TRUE	1.81E-39

Overall COPD	P2RX7	cg08688169	rs73214164	C	T	-0.177	0.030	0.191	2.50E-09	-0.001	0.009	0.867	0.010	35.521	TRUE	3.04E-09
Overall COPD	P2RX7	cg10852165	rs10849846	C	T	0.799	0.054	0.049	6.63E-50	0.012	0.014	0.391	0.056	220.500	TRUE	1.90E-48
Overall COPD	P2RX7	cg10852165	rs146718874	A	G	0.419	0.075	0.023	2.34E-08	0.007	0.023	0.763	0.008	31.171	TRUE	2.91E-08
Overall COPD	P2RX7	cg10852165	rs208278	G	A	-0.261	0.030	0.197	1.11E-18	-0.008	0.008	0.328	0.021	77.811	TRUE	2.89E-18
Overall COPD	P2RX7	cg10852165	rs208298	A	G	-0.153	0.025	0.314	1.72E-09	0.001	0.007	0.890	0.010	36.249	TRUE	2.08E-09
Overall COPD	P2RX7	cg10852165	rs2567979	T	G	0.187	0.031	0.174	1.68E-09	-0.007	0.012	0.526	0.010	36.291	TRUE	2.44E-09
Overall COPD	P2RX7	cg10901569	rs1169299	C	T	-0.129	0.023	0.467	2.91E-08	0.009	0.007	0.195	0.008	30.747	TRUE	5.04E-08
Overall COPD	P2RX7	cg10901569	rs12301635	G	C	-0.263	0.042	0.085	4.35E-10	-0.007	0.012	0.589	0.010	38.929	TRUE	6.23E-10
Overall COPD	P2RX7	cg10901569	rs2686369	T	C	-0.644	0.044	0.078	1.48E-49	0.013	0.012	0.276	0.056	218.898	TRUE	5.02E-48
Overall COPD	P2RX7	cg10901569	rs75326667	T	C	-0.476	0.071	0.026	2.26E-11	0.006	0.017	0.720	0.012	44.708	TRUE	3.16E-11
Overall COPD	P2RX7	cg12121075	rs11065394	G	A	0.259	0.029	0.206	2.76E-19	-0.021	0.008	0.010	0.021	80.559	TRUE	1.73E-18
Overall COPD	P2RX7	cg12121075	rs11065420	C	T	-0.264	0.033	0.142	2.00E-15	0.015	0.010	0.137	0.017	63.030	TRUE	5.57E-15
Overall COPD	P2RX7	cg12121075	rs117281184	A	G	-0.898	0.161	0.011	2.46E-08	0.028	0.023	0.227	0.008	31.077	TRUE	4.15E-08
Overall COPD	P2RX7	cg12121075	rs142778000	A	G	-0.747	0.076	0.018	1.28E-22	0.010	0.025	0.699	0.025	95.729	TRUE	2.99E-22
Overall COPD	P2RX7	cg12121075	rs148662934	C	T	-0.211	0.035	0.109	2.29E-09	0.007	0.010	0.490	0.010	35.693	TRUE	3.37E-09
Overall COPD	P2RX7	cg12121075	rs1653604	C	T	-0.578	0.022	0.473	3.65E-148	-0.014	0.007	0.036	0.154	671.648	TRUE	4.00E-138
Overall COPD	P2RX7	cg12121075	rs1718125	T	C	-0.477	0.035	0.123	1.55E-41	0.014	0.010	0.147	0.047	182.167	TRUE	3.15E-40
Overall COPD	P2RX7	cg12121075	rs2673623	G	A	0.158	0.024	0.397	5.60E-11	0.004	0.007	0.530	0.011	42.932	TRUE	8.59E-11
Overall COPD	P2RX7	cg12121075	rs3751144	T	C	-0.983	0.042	0.081	2.88E-123	-0.008	0.012	0.467	0.131	557.240	TRUE	1.09E-116
Overall COPD	P2RX7	cg12121075	rs3794205	A	G	0.301	0.025	0.307	2.34E-32	-0.009	0.007	0.202	0.037	140.178	TRUE	1.86E-31
Overall COPD	P2RX7	cg12121075	rs55728984	T	C	-0.266	0.042	0.087	1.74E-10	-0.005	0.010	0.618	0.011	40.722	TRUE	2.49E-10
Overall COPD	P2RX7	cg12121075	rs76003406	T	C	0.314	0.051	0.057	5.62E-10	0.008	0.018	0.648	0.010	38.428	TRUE	7.78E-10
Overall COPD	P2RX7	cg22867729	rs11065472	A	G	0.163	0.026	0.293	2.23E-10	0.001	0.007	0.943	0.011	40.229	TRUE	2.70E-10
Overall COPD	P2RX7	cg26656658	rs11065394	G	A	0.270	0.029	0.206	5.87E-21	-0.021	0.008	0.010	0.023	88.167	TRUE	4.21E-20
Overall COPD	P2RX7	cg26656658	rs11065420	C	T	-0.292	0.033	0.142	1.57E-18	0.015	0.010	0.137	0.020	77.126	TRUE	5.30E-18
Overall COPD	P2RX7	cg26656658	rs1140886	C	T	0.160	0.026	0.263	1.16E-09	0.000	0.008	0.963	0.010	37.014	TRUE	1.37E-09
Overall COPD	P2RX7	cg26656658	rs12301635	G	C	-0.234	0.042	0.085	3.40E-08	-0.007	0.012	0.589	0.008	30.449	TRUE	4.55E-08
Overall COPD	P2RX7	cg26656658	rs142778000	A	G	-0.759	0.076	0.018	3.06E-23	0.010	0.025	0.699	0.026	98.566	TRUE	7.37E-23
Overall COPD	P2RX7	cg26656658	rs1653609	C	A	-0.620	0.022	0.474	5.16E-175	-0.014	0.007	0.031	0.177	795.061	TRUE	1.18E-161
Overall COPD	P2RX7	cg26656658	rs1718125	T	C	-0.546	0.035	0.123	2.81E-54	0.014	0.010	0.147	0.061	240.539	TRUE	2.22E-52
Overall COPD	P2RX7	cg26656658	rs208302	A	G	-0.238	0.027	0.235	2.29E-18	0.001	0.008	0.935	0.020	76.384	TRUE	3.67E-18
Overall COPD	P2RX7	cg26656658	rs28360453	T	C	0.306	0.050	0.060	1.33E-09	-0.016	0.015	0.295	0.010	36.755	TRUE	2.25E-09
Overall COPD	P2RX7	cg26656658	rs3751144	T	C	-0.923	0.042	0.081	8.10E-108	-0.008	0.012	0.467	0.116	486.267	TRUE	1.24E-102
Overall COPD	P2RX7	cg26656658	rs3794205	A	G	0.346	0.025	0.307	1.07E-42	-0.009	0.007	0.202	0.048	187.490	TRUE	2.11E-41
Overall COPD	P2RX7	cg26656658	rs55728984	T	C	-0.240	0.042	0.087	7.76E-09	-0.005	0.010	0.618	0.009	33.317	TRUE	1.05E-08
Overall COPD	P2RX7	cg26656658	rs76003406	T	C	0.407	0.050	0.057	7.42E-16	0.008	0.018	0.648	0.017	64.984	TRUE	1.29E-15
Overall COPD	P2RX7	cg26656658	rs7957752	G	A	-0.151	0.025	0.338	1.48E-09	-0.012	0.008	0.128	0.010	36.538	TRUE	2.98E-09
Overall COPD	PARK7	cg00042356	rs10864351	C	A	-0.141	0.023	0.494	8.96E-10	-0.010	0.007	0.156	0.010	37.519	TRUE	1.75E-09
Overall COPD	PARK7	cg00042356	rs111464548	A	G	0.803	0.092	0.039	2.39E-18	0.019	0.019	0.303	0.020	76.293	TRUE	6.30E-18
Overall COPD	PARK7	cg00042356	rs4908721	T	G	-0.196	0.023	0.428	3.02E-17	-0.010	0.007	0.147	0.019	71.292	TRUE	9.23E-17
Overall COPD	PARK7	cg00042356	rs6684694	G	T	-0.142	0.023	0.438	9.10E-10	0.005	0.007	0.491	0.010	37.488	TRUE	1.36E-09
Overall COPD	PARK7	cg00042356	rs707474	A	G	0.151	0.025	0.341	6.82E-10	-0.011	0.007	0.130	0.010	38.050	TRUE	1.39E-09

Overall COPD	PARK7	cg00042356	rs7517357	T	C	0.631	0.030	0.167	9.75E-97	0.002	0.009	0.838	0.105	435.380	TRUE	9.92E-93
Overall COPD	PARK7	cg00042356	rs7524364	A	G	0.244	0.029	0.201	4.21E-17	-0.002	0.008	0.768	0.019	70.637	TRUE	7.15E-17
Overall COPD	PARK7	cg00042356	rs76169514	C	G	-0.344	0.061	0.031	1.33E-08	-0.006	0.018	0.740	0.009	32.276	TRUE	1.68E-08
Overall COPD	PARK7	cg10385390	rs34157438	T	C	-0.364	0.032	0.168	1.01E-30	0.002	0.009	0.814	0.035	132.718	TRUE	3.45E-30
Overall COPD	PARK7	cg10385390	rs585672	C	T	0.241	0.025	0.330	6.91E-22	0.007	0.008	0.361	0.024	92.398	TRUE	2.09E-21
Overall COPD	PARK7	cg12809925	rs10746477	T	C	-0.199	0.026	0.291	6.43E-15	-0.006	0.009	0.495	0.016	60.732	TRUE	1.20E-14
Overall COPD	PARK7	cg12809925	rs113983996	A	G	-0.390	0.061	0.046	1.42E-10	0.020	0.017	0.219	0.011	41.112	TRUE	2.71E-10
Overall COPD	PARK7	cg12809925	rs12087103	A	G	-0.477	0.023	0.416	4.53E-93	0.000	0.007	0.952	0.102	418.541	TRUE	2.06E-89
Overall COPD	PARK7	cg12809925	rs12128296	A	G	0.155	0.025	0.332	4.50E-10	-0.003	0.007	0.655	0.010	38.860	TRUE	6.23E-10
Overall COPD	PARK7	cg12809925	rs35554366	C	T	0.308	0.030	0.188	9.03E-25	-0.006	0.008	0.456	0.028	105.541	TRUE	2.95E-24
Overall COPD	PARK7	cg12809925	rs4908677	T	C	0.135	0.023	0.458	8.71E-09	-0.011	0.007	0.117	0.009	33.091	TRUE	1.70E-08
Overall COPD	PARK7	cg12809925	rs57892796	T	C	-0.228	0.028	0.232	5.05E-16	-0.006	0.009	0.483	0.017	65.740	TRUE	9.98E-16
Overall COPD	PARK7	cg12809925	rs697679	G	C	-0.177	0.029	0.228	6.13E-10	0.014	0.008	0.081	0.010	38.258	TRUE	1.37E-09
Overall COPD	PARK7	cg12809925	rs79828101	A	G	-0.388	0.067	0.032	7.76E-09	0.013	0.019	0.492	0.009	33.315	TRUE	1.12E-08
Overall COPD	PARK7	cg15591616	rs4908488	C	T	0.412	0.041	0.173	9.36E-24	0.022	0.009	0.019	0.027	100.912	TRUE	7.43E-23
Overall COPD	PARK7	cg15591616	rs61774166	G	T	0.357	0.058	0.081	6.11E-10	-0.007	0.012	0.554	0.010	38.265	TRUE	8.88E-10
Overall COPD	PARK7	cg16136678	rs379920	G	C	0.129	0.024	0.413	3.74E-08	-0.002	0.007	0.768	0.008	30.262	TRUE	4.61E-08
Overall COPD	PARK7	cg24342270	rs11121017	T	C	0.144	0.023	0.470	4.64E-10	-0.004	0.007	0.508	0.010	38.802	TRUE	6.96E-10
Overall COPD	PARK7	cg24342270	rs12734704	G	A	-0.446	0.062	0.101	4.22E-13	-0.008	0.012	0.494	0.014	52.510	TRUE	7.24E-13
Overall COPD	PARK7	cg24342270	rs34639761	T	G	-0.137	0.023	0.420	4.34E-09	-0.008	0.007	0.259	0.009	34.446	TRUE	7.40E-09
Overall COPD	PARK7	cg24342270	rs55702221	A	G	0.206	0.037	0.223	3.26E-08	0.002	0.010	0.822	0.008	30.528	TRUE	3.93E-08
Overall COPD	PARK7	cg24342270	rs61774166	G	T	-0.386	0.056	0.081	5.98E-12	-0.007	0.012	0.554	0.013	47.311	TRUE	9.39E-12
Overall COPD	PARK7	cg24342270	rs6684255	C	T	-0.308	0.037	0.099	6.82E-17	-0.004	0.016	0.812	0.018	69.685	TRUE	1.12E-16
Overall COPD	PARK7	cg24342270	rs6703670	A	G	-0.494	0.081	0.054	1.04E-09	0.006	0.015	0.699	0.010	37.223	TRUE	1.39E-09
Overall COPD	PARK7	cg24342270	rs79134628	A	T	-0.564	0.084	0.053	1.51E-11	0.004	0.017	0.820	0.012	45.501	TRUE	2.01E-11
Overall COPD	PARK7	cg24342270	rs9657998	G	A	-0.422	0.070	0.029	1.73E-09	0.002	0.019	0.923	0.010	36.233	TRUE	2.07E-09
Overall COPD	PARK7	cg25007680	rs225123	G	A	-0.366	0.023	0.409	5.23E-58	0.001	0.007	0.880	0.065	257.642	TRUE	1.89E-56
Overall COPD	PARK7	cg25007680	rs61774166	G	T	-0.310	0.056	0.081	3.73E-08	-0.007	0.012	0.554	0.008	30.269	TRUE	5.08E-08
Overall COPD	PCBP1	cg08479476	rs13016716	A	G	-0.147	0.026	0.316	1.02E-08	-0.011	0.007	0.116	0.009	32.794	TRUE	1.98E-08
Overall COPD	PCBP1	cg08479476	rs3732264	T	C	0.921	0.049	0.060	4.45E-80	0.031	0.015	0.041	0.088	358.892	TRUE	2.32E-76
Overall COPD	PCBP1	cg26487157	rs11693358	C	T	0.278	0.040	0.099	6.10E-12	-0.016	0.014	0.254	0.013	47.271	TRUE	1.20E-11
Overall COPD	PCBP1	cg26487157	rs13394815	A	C	0.152	0.026	0.278	7.44E-09	-0.014	0.007	0.050	0.009	33.399	TRUE	1.67E-08
Overall COPD	PCBP1	cg26487157	rs2166451	C	G	0.225	0.025	0.324	4.23E-19	-0.002	0.007	0.813	0.021	79.717	TRUE	7.60E-19
Overall COPD	PCBP1	cg26487157	rs4852586	A	G	0.148	0.024	0.440	6.46E-10	0.010	0.007	0.185	0.010	38.157	TRUE	1.23E-09
Overall COPD	PCBP1	cg26487157	rs7578666	A	G	1.485	0.047	0.059	2.24E-215	0.027	0.016	0.089	0.210	980.625	TRUE	1.22E-196
Overall COPD	PCGF2	cg00089071	rs111834226	A	G	1.165	0.065	0.030	2.18E-71	-0.001	0.020	0.949	0.079	319.009	TRUE	3.75E-69
Overall COPD	PCGF2	cg00089071	rs228275	T	C	0.150	0.025	0.354	1.92E-09	-0.005	0.007	0.513	0.010	36.034	TRUE	2.80E-09
Overall COPD	PCGF2	cg00089071	rs9902888	A	T	0.203	0.033	0.154	6.30E-10	-0.002	0.010	0.850	0.010	38.206	TRUE	7.87E-10
Overall COPD	PCGF2	cg02433498	rs68075021	G	T	-0.333	0.034	0.137	7.11E-23	0.017	0.010	0.085	0.026	96.898	TRUE	3.66E-22
Overall COPD	PCGF2	cg18896448	rs34727469	T	C	-0.272	0.034	0.131	2.16E-15	0.017	0.010	0.085	0.017	62.883	TRUE	6.69E-15
Overall COPD	PCGF2	cg21692159	rs146712295	T	C	-0.535	0.079	0.024	1.58E-11	-0.056	0.023	0.018	0.012	45.406	TRUE	5.00E-11
Overall COPD	PCGF2	cg21692159	rs2879097	T	C	-0.164	0.028	0.238	2.98E-09	0.004	0.008	0.583	0.009	35.180	TRUE	4.15E-09

Overall COPD	PCGF2	cg21692159	rs3785457	T	C	0.185	0.032	0.168	8.49E-09	0.005	0.009	0.592	0.009	33.142	TRUE	1.16E-08
Overall COPD	PCGF2	cg24539380	rs11658048	A	G	-0.738	0.028	0.209	3.63E-157	0.010	0.008	0.240	0.162	713.021	TRUE	1.09E-146
Overall COPD	PCGF2	cg24539380	rs11658841	A	G	-0.215	0.025	0.347	2.21E-18	0.001	0.008	0.932	0.020	76.452	TRUE	3.56E-18
Overall COPD	PCGF2	cg24539380	rs146712295	T	C	-0.679	0.079	0.024	8.63E-18	-0.056	0.023	0.018	0.020	73.763	TRUE	4.36E-17
Overall COPD	PCGF2	cg24539380	rs77536527	G	A	-0.698	0.094	0.014	1.44E-13	0.015	0.027	0.584	0.015	54.626	TRUE	2.37E-13
Overall COPD	PCGF2	cg24539380	rs78737686	C	T	-0.174	0.024	0.492	1.81E-13	0.004	0.007	0.615	0.014	54.171	TRUE	2.91E-13
Overall COPD	PCGF2	cg24539380	rs9916617	C	T	0.216	0.031	0.169	2.28E-12	-0.015	0.010	0.114	0.013	49.203	TRUE	5.51E-12
Overall COPD	PEBP1	cg00091483	rs7301950	A	G	0.212	0.036	0.118	5.50E-09	0.026	0.011	0.020	0.009	33.985	TRUE	1.42E-08
Overall COPD	PEBP1	cg16572268	rs673078	C	A	0.166	0.028	0.216	3.84E-09	0.027	0.008	8.40E-04	0.009	34.683	TRUE	1.43E-08
Overall COPD	PEBP1	cg16572268	rs7971091	A	G	0.145	0.025	0.319	4.78E-09	0.001	0.007	0.904	0.009	34.257	TRUE	5.69E-09
Overall COPD	PEBP1	cg16572268	rs904661	A	G	0.346	0.024	0.385	3.01E-48	0.001	0.007	0.855	0.054	212.909	TRUE	4.07E-47
Overall COPD	PERP	cg06052619	rs75604586	C	G	0.315	0.046	0.084	7.69E-12	-0.015	0.012	0.207	0.012	46.818	TRUE	1.58E-11
Overall COPD	PERP	cg06595927	rs12189960	G	A	-0.480	0.072	0.072	3.15E-11	-0.005	0.013	0.715	0.012	44.056	TRUE	4.40E-11
Overall COPD	PERP	cg06595927	rs150951691	T	C	-0.182	0.027	0.323	1.11E-11	-0.001	0.008	0.874	0.012	46.097	TRUE	1.45E-11
Overall COPD	PERP	cg06595927	rs17726669	A	G	0.227	0.041	0.289	2.46E-08	-0.005	0.008	0.558	0.008	31.074	TRUE	3.37E-08
Overall COPD	PERP	cg06595927	rs203136	G	T	0.192	0.027	0.334	6.36E-13	0.003	0.008	0.734	0.014	51.704	TRUE	9.33E-13
Overall COPD	PERP	cg06595927	rs2473098	A	G	-0.257	0.031	0.220	4.90E-17	0.001	0.008	0.870	0.019	70.340	TRUE	7.76E-17
Overall COPD	PERP	cg06595927	rs4371857	A	C	0.254	0.028	0.256	4.37E-19	0.001	0.008	0.878	0.021	79.652	TRUE	7.51E-19
Overall COPD	PERP	cg06595927	rs75978446	T	C	0.290	0.039	0.119	5.31E-14	0.023	0.011	0.040	0.015	56.579	TRUE	1.75E-13
Overall COPD	PERP	cg06595927	rs9321645	G	A	0.266	0.038	0.122	3.99E-12	0.011	0.010	0.279	0.013	48.103	TRUE	7.75E-12
Overall COPD	PERP	cg06595927	rs9402955	A	T	0.434	0.043	0.090	2.96E-24	0.010	0.011	0.349	0.027	103.187	TRUE	1.05E-23
Overall COPD	PERP	cg06595927	rs9494941	C	T	0.614	0.024	0.395	2.86E-145	0.016	0.007	0.019	0.151	658.347	TRUE	2.11E-135
Overall COPD	PERP	cg08197797	rs75604586	C	G	0.405	0.046	0.084	1.04E-18	-0.015	0.012	0.207	0.021	77.947	TRUE	3.14E-18
Overall COPD	PERP	cg08315187	rs1537620	G	A	0.366	0.025	0.394	1.62E-48	0.017	0.007	0.014	0.055	214.145	TRUE	1.57E-46
Overall COPD	PERP	cg08315187	rs2473098	A	G	-0.185	0.031	0.220	1.65E-09	0.001	0.008	0.870	0.010	36.327	TRUE	2.02E-09
Overall COPD	PERP	cg09019803	rs2484065	T	G	-0.533	0.037	0.358	5.26E-47	-0.015	0.007	0.040	0.053	207.216	TRUE	3.08E-45
Overall COPD	PERP	cg09019803	rs2484067	C	T	-0.429	0.036	0.482	5.08E-33	-0.015	0.007	0.027	0.037	143.214	TRUE	8.24E-32
Overall COPD	PERP	cg09019803	rs62432811	T	C	0.373	0.063	0.093	3.30E-09	0.002	0.013	0.865	0.009	34.982	TRUE	4.01E-09
Overall COPD	PERP	cg09019803	rs6908924	A	G	0.462	0.077	0.061	2.35E-09	0.013	0.014	0.354	0.010	35.637	TRUE	3.78E-09
Overall COPD	PERP	cg09019803	rs77296140	T	C	0.486	0.085	0.049	1.21E-08	0.010	0.018	0.597	0.009	32.460	TRUE	1.63E-08
Overall COPD	PERP	cg16699385	rs12174147	G	T	-0.470	0.039	0.121	9.78E-34	-0.012	0.010	0.243	0.038	146.484	TRUE	8.04E-33
Overall COPD	PERP	cg16699385	rs142598984	T	C	-0.487	0.088	0.046	2.65E-08	0.002	0.019	0.921	0.008	30.933	TRUE	3.07E-08
Overall COPD	PERP	cg16699385	rs1537620	G	A	-0.457	0.025	0.394	2.71E-76	0.017	0.007	0.014	0.085	341.521	TRUE	1.20E-72
Overall COPD	PERP	cg16699385	rs203136	G	T	-0.156	0.027	0.334	5.54E-09	0.003	0.008	0.734	0.009	33.971	TRUE	7.11E-09
Overall COPD	PERP	cg16699385	rs3736707	G	A	-0.329	0.055	0.131	2.63E-09	0.011	0.010	0.268	0.009	35.422	TRUE	4.49E-09
Overall COPD	PERP	cg16699385	rs481438	A	G	-0.210	0.028	0.273	1.70E-13	-0.011	0.008	0.184	0.014	54.299	TRUE	3.93E-13
Overall COPD	PERP	cg16699385	rs8155	A	G	0.210	0.031	0.215	1.06E-11	0.001	0.008	0.918	0.012	46.196	TRUE	1.35E-11
Overall COPD	PERP	cg24555822	rs9494937	A	G	0.263	0.025	0.392	2.03E-25	0.017	0.007	0.015	0.028	108.494	TRUE	1.94E-24
Overall COPD	PERP	cg24884985	rs12525292	C	T	-0.973	0.084	0.049	3.11E-31	0.020	0.019	0.302	0.035	135.047	TRUE	1.91E-30
Overall COPD	PERP	cg24884985	rs1556640	C	T	0.344	0.057	0.124	1.16E-09	-0.007	0.010	0.491	0.010	37.008	TRUE	1.74E-09
Overall COPD	PERP	cg24884985	rs203138	G	A	-0.378	0.028	0.281	5.30E-43	0.004	0.007	0.576	0.049	188.880	TRUE	6.05E-42
Overall COPD	PERP	cg24884985	rs2294443	A	C	-0.393	0.055	0.049	5.49E-13	0.004	0.013	0.756	0.014	51.994	TRUE	7.97E-13

Overall COPD	PERP	cg24884985	rs3734298	C	T	0.306	0.031	0.212	1.29E-22	0.002	0.008	0.832	0.025	95.720	TRUE	2.71E-22
Overall COPD	PERP	cg24884985	rs3822942	T	G	-0.566	0.050	0.068	4.29E-30	0.007	0.015	0.627	0.034	129.838	TRUE	1.68E-29
Overall COPD	PERP	cg24884985	rs62432781	C	T	-0.473	0.058	0.051	2.00E-16	0.014	0.016	0.380	0.018	67.570	TRUE	4.39E-16
Overall COPD	PERP	cg24884985	rs67998424	C	A	-0.176	0.032	0.199	2.72E-08	0.003	0.009	0.748	0.008	30.885	TRUE	3.39E-08
Overall COPD	PERP	cg24884985	rs72982788	A	G	-0.161	0.028	0.295	1.01E-08	0.001	0.007	0.869	0.009	32.800	TRUE	1.21E-08
Overall COPD	PERP	cg24884985	rs72984647	A	G	-1.325	0.026	0.151	<1E-200	0.019	0.010	0.052	0.421	2693.351	TRUE	<1E-200
Overall COPD	PERP	cg24884985	rs72986828	G	T	-0.321	0.048	0.077	1.57E-11	-0.023	0.015	0.123	0.012	45.417	TRUE	3.57E-11
Overall COPD	PERP	cg24884985	rs9389575	T	C	0.185	0.033	0.179	1.83E-08	-0.002	0.009	0.838	0.008	31.652	TRUE	2.20E-08
Overall COPD	PERP	cg24884985	rs9402955	A	T	-0.374	0.043	0.090	2.74E-18	0.010	0.011	0.349	0.020	76.029	TRUE	6.83E-18
Overall COPD	PERP	cg25821223	rs147371157	T	C	-0.330	0.046	0.084	5.16E-13	-0.015	0.012	0.207	0.014	52.116	TRUE	1.13E-12
Overall COPD	PIH1D1	cg19216817	rs4801800	A	G	-0.234	0.028	0.234	1.56E-17	0.015	0.008	0.077	0.019	72.591	TRUE	5.72E-17
Overall COPD	PIH1D1	cg22269913	rs3760670	T	C	-0.334	0.024	0.399	3.90E-45	-0.001	0.007	0.939	0.051	198.648	TRUE	3.63E-44
Overall COPD	PIH1D1	cg26964117	rs11083974	G	A	0.261	0.028	0.234	2.33E-21	0.015	0.008	0.077	0.024	89.998	TRUE	1.11E-20
Overall COPD	PIK3CD	cg03653801	rs4333853	G	A	-0.152	0.023	0.473	7.97E-11	-0.009	0.007	0.196	0.011	42.242	TRUE	1.58E-10
Overall COPD	PIK3CD	cg03653801	rs74338407	T	C	-0.549	0.093	0.036	3.84E-09	0.006	0.017	0.738	0.009	34.685	TRUE	4.94E-09
Overall COPD	PIK3CD	cg04162034	rs11586485	A	G	-0.302	0.050	0.107	1.30E-09	-0.021	0.012	0.081	0.010	36.799	TRUE	2.83E-09
Overall COPD	PIK3CD	cg04162034	rs2119508	A	G	-0.357	0.053	0.097	1.35E-11	0.016	0.013	0.192	0.012	45.713	TRUE	2.80E-11
Overall COPD	PIK3CD	cg04162034	rs74925829	T	C	-1.771	0.085	0.017	2.29E-95	0.002	0.026	0.942	0.104	429.082	TRUE	1.57E-91
Overall COPD	PIK3CD	cg04162034	rs9430196	A	G	-0.281	0.034	0.141	4.67E-17	0.012	0.010	0.207	0.019	70.433	TRUE	1.28E-16
Overall COPD	PIK3CD	cg04608004	rs1135427	G	T	-0.193	0.024	0.438	7.17E-16	-0.007	0.007	0.316	0.017	65.050	TRUE	1.63E-15
Overall COPD	PIK3CD	cg07805542	rs11121516	T	C	0.242	0.036	0.121	1.41E-11	-0.011	0.010	0.286	0.012	45.629	TRUE	2.65E-11
Overall COPD	PIK3CD	cg07805542	rs1135427	G	T	0.216	0.024	0.438	2.52E-19	-0.007	0.007	0.316	0.021	80.736	TRUE	6.91E-19
Overall COPD	PIK3CD	cg07805542	rs12564733	T	A	1.148	0.044	0.064	9.57E-148	0.022	0.013	0.095	0.153	669.725	TRUE	4.95E-138
Overall COPD	PIK3CD	cg07805542	rs147961171	C	G	0.804	0.110	0.011	2.36E-13	0.001	0.036	0.975	0.014	53.654	TRUE	3.07E-13
Overall COPD	PIK3CD	cg07805542	rs56153814	C	T	0.465	0.043	0.089	5.95E-27	-0.013	0.012	0.279	0.030	115.491	TRUE	2.77E-26
Overall COPD	PIK3CD	cg07805542	rs72869650	A	G	0.166	0.030	0.186	4.09E-08	-0.001	0.010	0.887	0.008	30.089	TRUE	4.79E-08
Overall COPD	PIK3CD	cg11947782	rs10746492	C	T	-0.147	0.025	0.358	3.41E-09	-0.007	0.007	0.302	0.009	34.916	TRUE	5.64E-09
Overall COPD	PIK3CD	cg11947782	rs140188093	A	G	-0.351	0.063	0.040	3.02E-08	-0.030	0.017	0.076	0.008	30.681	TRUE	6.12E-08
Overall COPD	PIK3CD	cg11947782	rs7518602	C	T	-0.135	0.024	0.392	2.08E-08	-0.013	0.007	0.074	0.008	31.405	TRUE	4.27E-08
Overall COPD	PIK3CD	cg11980800	rs6540985	G	A	0.185	0.025	0.315	2.12E-13	-0.006	0.007	0.426	0.014	53.862	TRUE	3.87E-13
Overall COPD	PIK3CD	cg13457410	rs1135427	G	T	0.463	0.024	0.438	1.63E-86	-0.007	0.007	0.316	0.095	388.441	TRUE	7.49E-83
Overall COPD	PIK3CD	cg13457410	rs12129123	T	C	-0.363	0.063	0.089	1.05E-08	0.012	0.015	0.414	0.009	32.721	TRUE	1.58E-08
Overall COPD	PIK3CD	cg13457410	rs1619083	T	C	0.510	0.078	0.045	5.58E-11	0.013	0.016	0.436	0.011	42.938	TRUE	9.09E-11
Overall COPD	PIK3CD	cg13457410	rs4076440	G	A	0.269	0.045	0.074	2.88E-09	0.009	0.011	0.447	0.009	35.242	TRUE	4.34E-09
Overall COPD	PIK3CD	cg13457410	rs5017476	G	A	0.250	0.031	0.163	4.96E-16	-0.001	0.009	0.875	0.017	65.778	TRUE	7.52E-16
Overall COPD	PIK3CD	cg13457410	rs61785179	A	G	0.278	0.038	0.117	1.34E-13	-0.013	0.010	0.203	0.015	54.757	TRUE	3.06E-13
Overall COPD	PIK3CD	cg13457410	rs9430574	A	G	0.263	0.025	0.319	6.00E-26	-0.008	0.007	0.264	0.029	110.914	TRUE	2.66E-25
Overall COPD	PIK3CD	cg15701170	rs1135427	G	T	-0.204	0.024	0.438	1.58E-17	-0.007	0.007	0.316	0.019	72.573	TRUE	3.91E-17
Overall COPD	PIK3CD	cg15701170	rs12564733	T	A	-0.279	0.046	0.064	1.62E-09	0.022	0.013	0.095	0.010	36.368	TRUE	3.42E-09
Overall COPD	PIK3CD	cg16895792	rs7518602	C	T	-0.177	0.024	0.392	6.53E-14	-0.013	0.007	0.074	0.015	56.174	TRUE	1.90E-13
Overall COPD	PIK3CD	cg20681184	rs4601595	T	G	-0.216	0.023	0.475	1.84E-20	-0.005	0.007	0.453	0.023	85.907	TRUE	4.69E-20
Overall COPD	PIK3CD	cg20994801	rs146783463	A	G	-0.423	0.071	0.023	3.05E-09	-0.029	0.022	0.190	0.009	35.132	TRUE	5.59E-09

Overall COPD	PIK3CD	cg20994801	rs185946657	A	C	-0.508	0.078	0.024	9.70E-11	-0.020	0.022	0.360	0.011	41.859	TRUE	1.65E-10
Overall COPD	PIK3CD	cg20994801	rs57834427	A	G	-0.510	0.030	0.186	1.15E-65	-0.018	0.009	0.045	0.073	292.766	TRUE	6.60E-63
Overall COPD	PIK3CD	cg20994801	rs72869650	A	G	-0.253	0.030	0.186	4.76E-17	-0.001	0.010	0.887	0.019	70.395	TRUE	7.47E-17
Overall COPD	PIK3CD	cg22045271	rs7518602	C	T	-0.146	0.024	0.392	7.17E-10	-0.013	0.007	0.074	0.010	37.955	TRUE	1.62E-09
Overall COPD	PIK3CD	cg23098018	rs76822479	C	A	0.464	0.084	0.022	3.08E-08	0.013	0.022	0.548	0.008	30.640	TRUE	4.22E-08
Overall COPD	PIK3CD	cg23251761	rs79423094	T	C	0.214	0.037	0.119	5.32E-09	-0.021	0.010	0.039	0.009	34.051	TRUE	1.25E-08
Overall COPD	PIK3CD	cg23799532	rs147760460	T	C	-0.398	0.069	0.034	7.37E-09	-0.028	0.020	0.161	0.009	33.416	TRUE	1.37E-08
Overall COPD	PIK3CD	cg24859236	rs4601595	T	G	-0.130	0.023	0.475	2.94E-08	-0.005	0.007	0.453	0.008	30.732	TRUE	4.23E-08
Overall COPD	PIK3CD	cg26573321	rs11121480	T	C	0.441	0.040	0.089	5.67E-28	0.023	0.011	0.048	0.031	120.151	TRUE	5.08E-27
Overall COPD	PIK3CD	cg26573321	rs12041599	G	C	0.594	0.059	0.044	3.90E-24	-0.028	0.016	0.080	0.027	102.646	TRUE	2.24E-23
Overall COPD	PIK3CD	cg26573321	rs12563790	C	G	0.211	0.030	0.193	8.63E-13	-0.014	0.009	0.094	0.014	51.106	TRUE	2.23E-12
Overall COPD	PIK3CD	cg26573321	rs12725898	T	G	-0.132	0.023	0.472	1.73E-08	0.000	0.007	0.946	0.009	31.761	TRUE	1.99E-08
Overall COPD	PIK3CD	cg26573321	rs17412703	T	C	0.242	0.043	0.082	1.64E-08	-0.022	0.012	0.060	0.009	31.863	TRUE	3.50E-08
Overall COPD	PIK3CD	cg26573321	rs4240895	T	C	0.745	0.022	0.388	1.42E-243	-0.014	0.007	0.033	0.231	1110.288	TRUE	5.81E-220
Overall COPD	PIK3CD	cg26573321	rs57883760	G	A	0.243	0.023	0.412	3.49E-25	-0.001	0.007	0.841	0.028	107.422	TRUE	8.37E-25
Overall COPD	PIK3CD	cg26573321	rs61783043	A	G	0.394	0.040	0.101	4.94E-23	-0.013	0.010	0.203	0.026	97.616	TRUE	1.98E-22
Overall COPD	PIP4K2B	cg03371752	rs228284	T	C	0.156	0.028	0.218	1.89E-08	-0.010	0.008	0.216	0.008	31.592	TRUE	3.23E-08
Overall COPD	PIP4K2B	cg20303331	rs4795311	T	C	-0.203	0.029	0.197	5.15E-12	0.011	0.008	0.172	0.013	47.603	TRUE	1.12E-11
Overall COPD	PIP4K2B	cg20303331	rs626866	C	T	0.168	0.028	0.236	1.36E-09	-0.021	0.008	0.009	0.010	36.700	TRUE	4.07E-09
Overall COPD	PIP4K2B	cg20303331	rs72625934	A	G	-0.792	0.047	0.061	1.70E-62	0.025	0.013	0.052	0.070	278.218	TRUE	5.99E-60
Overall COPD	PIP4K2B	cg20760360	rs11079061	C	T	0.154	0.024	0.454	8.40E-11	-0.003	0.007	0.636	0.011	42.140	TRUE	1.20E-10
Overall COPD	PIP4K2B	cg20760360	rs113262309	A	C	0.267	0.041	0.086	1.04E-10	-0.028	0.012	0.020	0.011	41.719	TRUE	3.04E-10
Overall COPD	PIP4K2B	cg20760360	rs620110	A	G	0.457	0.033	0.153	1.09E-44	-0.009	0.010	0.346	0.050	196.599	TRUE	2.00E-43
Overall COPD	PIP4K2B	cg27142680	rs228251	G	A	-0.201	0.028	0.239	3.49E-13	-0.021	0.008	0.010	0.014	52.881	TRUE	1.36E-12
Overall COPD	PLAUR	cg17168630	rs344780	T	C	0.284	0.028	0.228	1.15E-24	0.017	0.008	0.041	0.028	105.055	TRUE	8.23E-24
Overall COPD	PLAUR	cg20445035	rs344773	G	A	0.289	0.028	0.229	2.66E-25	0.017	0.008	0.039	0.028	107.963	TRUE	2.02E-24
Overall COPD	PLAUR	cg20716515	rs578557	T	C	-0.226	0.041	0.094	2.92E-08	-0.002	0.013	0.901	0.008	30.746	TRUE	3.40E-08
Overall COPD	PLAUR	cg27340480	rs344782	A	C	-0.209	0.023	0.468	2.20E-19	0.011	0.008	0.138	0.021	81.003	TRUE	7.83E-19
Overall COPD	PPP1CA	cg09190408	rs61891307	A	C	0.529	0.087	0.017	1.06E-09	-0.048	0.022	0.030	0.010	37.188	TRUE	2.73E-09
Overall COPD	PPP1CA	cg09190408	rs872109	T	G	0.636	0.048	0.062	9.58E-40	-0.038	0.016	0.015	0.045	173.972	TRUE	3.52E-38
Overall COPD	PPP1CA	cg12939085	rs10896164	G	A	0.379	0.056	0.046	1.10E-11	0.006	0.015	0.704	0.012	46.112	TRUE	1.57E-11
Overall COPD	PPP1CA	cg12939085	rs10896171	T	C	0.842	0.074	0.024	1.05E-29	-0.060	0.017	3.83E-04	0.033	128.064	TRUE	3.08E-28
Overall COPD	PPP1CA	cg12939085	rs12278036	G	A	0.217	0.039	0.100	3.56E-08	-0.026	0.012	0.029	0.008	30.357	TRUE	8.24E-08
Overall COPD	PPP1R13B	cg03586793	rs111768460	C	A	-0.412	0.048	0.064	5.08E-18	-0.031	0.014	0.029	0.020	74.808	TRUE	2.37E-17
Overall COPD	PPP1R13B	cg08213375	rs10141157	T	C	-0.202	0.024	0.488	8.61E-18	-0.008	0.007	0.251	0.020	73.769	TRUE	2.33E-17
Overall COPD	PPP1R13B	cg08213375	rs11625018	T	C	0.138	0.024	0.453	5.32E-09	0.005	0.007	0.487	0.009	34.051	TRUE	7.74E-09
Overall COPD	PPP1R13B	cg08213375	rs117852820	A	G	0.451	0.058	0.042	1.21E-14	0.005	0.014	0.748	0.016	59.486	TRUE	1.88E-14
Overall COPD	PPP1R13B	cg08213375	rs17101902	C	A	-0.417	0.063	0.029	3.45E-11	-0.024	0.019	0.211	0.012	43.879	TRUE	6.84E-11
Overall COPD	PPP1R13B	cg08213375	rs17792891	A	G	-0.295	0.036	0.121	4.13E-16	0.003	0.011	0.820	0.018	66.135	TRUE	6.51E-16
Overall COPD	PPP1R13B	cg08213375	rs2223937	G	A	0.719	0.022	0.408	7.32E-230	0.012	0.007	0.073	0.221	1047.233	TRUE	8.82E-209
Overall COPD	PPP1R13B	cg08213375	rs28794002	C	T	-0.385	0.053	0.052	4.38E-13	-0.002	0.016	0.890	0.014	52.438	TRUE	5.92E-13
Overall COPD	PPP1R13B	cg08213375	rs35219418	T	A	-0.177	0.028	0.220	4.36E-10	-0.025	0.009	0.009	0.010	38.923	TRUE	1.36E-09

Overall COPD	PPP1R13B	cg08213375	rs4906383	T	C	0.148	0.026	0.301	1.25E-08	-0.007	0.007	0.356	0.009	32.395	TRUE	1.94E-08
Overall COPD	PPP1R13B	cg08213375	rs55860239	C	T	0.477	0.065	0.043	1.81E-13	0.002	0.017	0.912	0.014	54.173	TRUE	2.45E-13
Overall COPD	PPP1R13B	cg08213375	rs61996722	T	C	-0.249	0.044	0.074	1.54E-08	0.010	0.012	0.435	0.009	31.982	TRUE	2.27E-08
Overall COPD	PPP1R13B	cg08213375	rs7145682	T	C	-0.151	0.025	0.330	1.67E-09	-0.014	0.007	0.045	0.010	36.311	TRUE	3.97E-09
Overall COPD	PPP1R13B	cg08213375	rs76525869	C	G	0.620	0.049	0.058	1.68E-36	-0.031	0.015	0.035	0.041	159.128	TRUE	3.49E-35
Overall COPD	PPP1R13B	cg08213375	rs80020004	T	C	0.380	0.034	0.146	1.09E-28	0.026	0.010	0.011	0.032	123.426	TRUE	1.50E-27
Overall COPD	PPP1R13B	cg08213375	rs8021877	A	G	0.134	0.024	0.495	1.35E-08	0.006	0.007	0.398	0.009	32.247	TRUE	2.03E-08
Overall COPD	PPP1R13B	cg09351176	rs2295140	T	C	0.137	0.023	0.463	2.26E-09	0.011	0.007	0.106	0.010	35.718	TRUE	4.64E-09
Overall COPD	PPP1R13B	cg11829633	rs11625018	T	C	-0.172	0.024	0.453	3.02E-13	0.005	0.007	0.487	0.014	53.165	TRUE	5.24E-13
Overall COPD	PPP1R13B	cg11829633	rs117222583	A	G	-0.707	0.069	0.035	9.40E-25	-0.032	0.018	0.071	0.028	105.463	TRUE	5.84E-24
Overall COPD	PPP1R13B	cg11829633	rs117260308	G	A	-0.761	0.114	0.024	2.06E-11	0.061	0.027	0.025	0.012	44.888	TRUE	6.15E-11
Overall COPD	PPP1R13B	cg11829633	rs117852820	A	G	-0.744	0.058	0.042	9.64E-38	0.005	0.014	0.748	0.043	164.806	TRUE	5.85E-37
Overall COPD	PPP1R13B	cg11829633	rs12884809	A	G	-0.842	0.022	0.343	<1E-200	0.011	0.007	0.100	0.293	1529.633	TRUE	4.26E-294
Overall COPD	PPP1R13B	cg11829633	rs12885878	A	G	0.269	0.028	0.230	1.38E-22	-0.013	0.008	0.101	0.025	95.588	TRUE	6.63E-22
Overall COPD	PPP1R13B	cg11829633	rs138358446	T	C	-0.839	0.072	0.057	7.97E-32	0.055	0.016	3.95E-04	0.036	137.748	TRUE	2.89E-30
Overall COPD	PPP1R13B	cg11829633	rs138487470	T	C	-0.475	0.048	0.062	4.67E-23	-0.030	0.014	0.036	0.026	97.731	TRUE	3.04E-22
Overall COPD	PPP1R13B	cg11829633	rs139688434	A	C	0.565	0.103	0.015	3.77E-08	-0.029	0.023	0.211	0.008	30.248	TRUE	6.39E-08
Overall COPD	PPP1R13B	cg11829633	rs3212102	T	C	0.524	0.068	0.027	1.96E-14	-0.032	0.021	0.134	0.016	58.545	TRUE	5.17E-14
Overall COPD	PPP1R13B	cg11829633	rs35265415	T	G	-0.528	0.057	0.047	4.37E-20	-0.005	0.019	0.812	0.022	84.202	TRUE	8.23E-20
Overall COPD	PPP1R13B	cg11829633	rs35797471	C	T	0.290	0.024	0.438	1.14E-34	-0.011	0.007	0.129	0.039	150.754	TRUE	1.30E-33
Overall COPD	PPP1R13B	cg11829633	rs4906321	T	C	0.363	0.024	0.334	1.23E-50	-0.020	0.008	0.008	0.057	223.854	TRUE	1.81E-48
Overall COPD	PPP1R13B	cg11829633	rs4906382	A	G	0.150	0.026	0.266	1.04E-08	0.002	0.008	0.839	0.009	32.752	TRUE	1.26E-08
Overall COPD	PPP1R13B	cg11829633	rs4906415	A	G	-0.360	0.027	0.267	1.21E-40	0.002	0.008	0.839	0.046	178.089	TRUE	8.44E-40
Overall COPD	PPP1R13B	cg11829633	rs61995844	T	G	0.402	0.053	0.055	3.16E-14	-0.014	0.016	0.379	0.015	57.602	TRUE	6.22E-14
Overall COPD	PPP1R13B	cg11829633	rs61995855	A	G	0.476	0.028	0.198	9.91E-63	-0.008	0.009	0.384	0.070	279.296	TRUE	1.26E-60
Overall COPD	PPP1R13B	cg11829633	rs61996722	T	C	0.366	0.044	0.074	7.52E-17	0.010	0.012	0.435	0.018	69.493	TRUE	1.61E-16
Overall COPD	PPP1R13B	cg11829633	rs7145682	T	C	0.215	0.025	0.330	8.23E-18	-0.014	0.007	0.045	0.020	73.856	TRUE	3.46E-17
Overall COPD	PPP1R13B	cg11829633	rs7154682	C	T	-0.257	0.035	0.142	1.42E-13	-0.011	0.010	0.310	0.015	54.648	TRUE	2.88E-13
Overall COPD	PPP1R13B	cg11829633	rs79028212	G	C	0.390	0.050	0.054	6.92E-15	-0.023	0.014	0.110	0.016	60.589	TRUE	1.96E-14
Overall COPD	PPP1R13B	cg11829633	rs8021877	A	G	-0.245	0.023	0.495	1.83E-25	0.006	0.007	0.398	0.029	108.701	TRUE	6.65E-25
Overall COPD	PPP1R13B	cg18137598	rs10141157	T	C	0.292	0.023	0.488	6.31E-36	-0.008	0.007	0.251	0.041	156.501	TRUE	6.13E-35
Overall COPD	PPP1R13B	cg18137598	rs11160740	G	A	-0.253	0.023	0.470	5.40E-28	0.022	0.007	0.002	0.031	120.251	TRUE	1.02E-26
Overall COPD	PPP1R13B	cg18137598	rs11626034	G	A	-0.360	0.025	0.337	2.21E-47	0.013	0.007	0.059	0.053	208.940	TRUE	1.17E-45
Overall COPD	PPP1R13B	cg18137598	rs117812025	T	G	-0.808	0.109	0.025	1.16E-13	0.050	0.024	0.036	0.015	55.040	TRUE	3.83E-13
Overall COPD	PPP1R13B	cg18137598	rs2039894	A	G	-0.199	0.024	0.389	1.29E-16	-0.003	0.007	0.708	0.018	68.436	TRUE	2.22E-16
Overall COPD	PPP1R13B	cg18137598	rs3212028	T	C	-1.169	0.029	0.138	<1E-200	0.035	0.011	0.001	0.303	1604.379	TRUE	3.03E-305
Overall COPD	PPP1R13B	cg18137598	rs35219418	T	A	0.169	0.028	0.220	2.35E-09	-0.025	0.009	0.009	0.010	35.641	TRUE	6.89E-09
Overall COPD	PPP1R13B	cg18137598	rs35826019	T	C	-0.145	0.024	0.457	7.75E-10	0.006	0.007	0.370	0.010	37.802	TRUE	1.26E-09
Overall COPD	PPP1R13B	cg18137598	rs36042291	A	G	-0.619	0.100	0.011	6.15E-10	0.003	0.033	0.932	0.010	38.252	TRUE	7.40E-10
Overall COPD	PPP1R13B	cg18137598	rs3759579	A	G	0.238	0.024	0.406	6.01E-24	-0.013	0.007	0.070	0.027	101.789	TRUE	3.53E-23
Overall COPD	PPP1R13B	cg18137598	rs45488896	T	C	-0.767	0.078	0.022	6.49E-23	0.049	0.023	0.031	0.026	97.077	TRUE	4.31E-22
Overall COPD	PPP1R13B	cg18137598	rs6575976	C	T	0.263	0.024	0.431	6.72E-29	-0.010	0.007	0.153	0.033	124.382	TRUE	4.52E-28

Overall COPD	PPP1R13B	cg18137598	rs67478160	T	C	0.312	0.023	0.422	1.82E-40	0.003	0.007	0.727	0.046	177.267	TRUE	1.41E-39
Overall COPD	PPP1R13B	cg18137598	rs7155786	T	C	0.206	0.036	0.117	9.24E-09	-0.018	0.010	0.075	0.009	32.976	TRUE	1.94E-08
Overall COPD	PPT2	cg00086577	rs1042337	G	A	-0.172	0.027	0.253	9.88E-11	-0.002	0.009	0.788	0.011	41.822	TRUE	1.31E-10
Overall COPD	PPT2	cg00086577	rs1061118	G	A	-0.176	0.026	0.318	6.34E-12	-0.002	0.008	0.794	0.013	47.195	TRUE	8.69E-12
Overall COPD	PPT2	cg00086577	rs1269839	T	G	-0.604	0.050	0.055	4.06E-34	-0.019	0.019	0.314	0.039	148.230	TRUE	3.07E-33
Overall COPD	PPT2	cg00086577	rs151719	C	T	-0.203	0.027	0.248	6.05E-14	-0.015	0.008	0.064	0.015	56.326	TRUE	1.81E-13
Overall COPD	PPT2	cg00086577	rs17843607	G	A	-0.226	0.023	0.472	1.29E-22	-0.029	0.010	0.003	0.025	95.725	TRUE	1.33E-21
Overall COPD	PPT2	cg00086577	rs2596464	T	C	-0.146	0.024	0.464	5.13E-10	-0.014	0.007	0.048	0.010	38.607	TRUE	1.25E-09
Overall COPD	PPT2	cg00086577	rs3130283	A	C	-0.672	0.031	0.161	1.57E-103	-0.031	0.010	0.002	0.112	466.579	TRUE	2.17E-97
Overall COPD	PPT2	cg00086577	rs3131627	A	G	-0.228	0.024	0.404	1.88E-21	-0.006	0.007	0.416	0.024	90.419	TRUE	5.25E-21
Overall COPD	PPT2	cg00086577	rs34137317	T	C	-0.547	0.096	0.020	1.37E-08	-0.008	0.025	0.753	0.009	32.207	TRUE	1.73E-08
Overall COPD	PPT2	cg00086577	rs71534539	A	G	0.251	0.032	0.441	1.75E-15	-0.022	0.013	0.099	0.017	63.295	TRUE	5.28E-15
Overall COPD	PPT2	cg00086577	rs7770045	G	T	0.144	0.024	0.451	8.06E-10	0.001	0.007	0.878	0.010	37.725	TRUE	9.91E-10
Overall COPD	PPT2	cg00086577	rs909253	G	A	0.311	0.024	0.360	1.08E-37	0.016	0.007	0.034	0.043	164.589	TRUE	2.54E-36
Overall COPD	PPT2	cg00086577	rs9264642	T	C	-0.142	0.024	0.393	5.68E-09	0.005	0.008	0.520	0.009	33.924	TRUE	8.11E-09
Overall COPD	PPT2	cg00086577	rs9265494	C	T	0.235	0.025	0.336	3.05E-20	0.017	0.008	0.039	0.022	84.909	TRUE	1.58E-19
Overall COPD	PPT2	cg00086577	rs9268202	T	C	0.294	0.028	0.231	3.03E-26	0.010	0.008	0.242	0.029	112.264	TRUE	1.42E-25
Overall COPD	PPT2	cg00086577	rs9270505	A	G	-0.319	0.023	0.424	5.25E-42	-0.022	0.008	0.006	0.047	184.321	TRUE	3.09E-40
Overall COPD	PPT2	cg00086577	rs9272777	T	C	0.217	0.024	0.361	1.25E-19	0.018	0.010	0.078	0.022	82.130	TRUE	5.22E-19
Overall COPD	PPT2	cg00086577	rs9276816	T	C	0.221	0.024	0.423	1.00E-20	0.024	0.007	8.08E-04	0.023	87.112	TRUE	1.08E-19
Overall COPD	PPT2	cg00086577	rs9501404	A	G	-0.301	0.033	0.163	2.49E-20	-0.032	0.014	0.025	0.023	85.311	TRUE	1.42E-19
Overall COPD	PPT2	cg00110832	rs3130284	C	T	-0.184	0.027	0.236	2.15E-11	0.020	0.009	0.021	0.012	44.807	TRUE	6.56E-11
Overall COPD	PPT2	cg00552704	rs3130284	C	T	-0.283	0.027	0.236	4.55E-25	0.020	0.009	0.021	0.028	106.896	TRUE	3.94E-24
Overall COPD	PPT2	cg00552704	rs35915063	G	A	0.187	0.032	0.171	2.96E-09	0.016	0.009	0.078	0.009	35.193	TRUE	6.37E-09
Overall COPD	PPT2	cg00552704	rs6906662	A	G	-0.276	0.049	0.062	2.09E-08	-0.021	0.014	0.135	0.008	31.395	TRUE	3.89E-08
Overall COPD	PPT2	cg00552704	rs805305	G	C	-0.164	0.025	0.362	4.68E-11	0.018	0.007	0.013	0.012	43.283	TRUE	1.49E-10
Overall COPD	PPT2	cg00552704	rs9267817	A	G	0.488	0.029	0.212	1.53E-65	-0.003	0.008	0.741	0.073	292.192	TRUE	1.62E-63
Overall COPD	PPT2	cg00933538	rs115884658	A	G	0.645	0.092	0.021	1.80E-12	-0.023	0.023	0.326	0.013	49.661	TRUE	3.41E-12
Overall COPD	PPT2	cg00933538	rs116416438	A	G	0.523	0.077	0.021	1.42E-11	-0.004	0.019	0.814	0.012	45.613	TRUE	1.91E-11
Overall COPD	PPT2	cg00933538	rs2854260	T	C	0.295	0.032	0.169	5.40E-20	0.017	0.015	0.255	0.022	83.782	TRUE	1.66E-19
Overall COPD	PPT2	cg00933538	rs3130284	C	T	-0.321	0.027	0.236	6.57E-32	0.020	0.009	0.021	0.036	138.130	TRUE	1.03E-30
Overall COPD	PPT2	cg00933538	rs707930	T	C	0.254	0.024	0.464	1.32E-26	0.001	0.007	0.912	0.030	113.915	TRUE	3.24E-26
Overall COPD	PPT2	cg00933538	rs9267817	A	G	0.763	0.028	0.212	1.04E-168	-0.003	0.008	0.741	0.172	766.087	TRUE	2.02E-157
Overall COPD	PPT2	cg01111041	rs1269839	T	G	0.317	0.050	0.055	2.24E-10	-0.019	0.019	0.314	0.011	40.225	TRUE	3.88E-10
Overall COPD	PPT2	cg02956248	rs3130283	A	C	0.261	0.032	0.161	2.57E-16	-0.031	0.010	0.002	0.018	67.070	TRUE	1.69E-15
Overall COPD	PPT2	cg03434432	rs151719	C	T	-0.310	0.027	0.248	7.99E-31	-0.015	0.008	0.064	0.035	133.172	TRUE	8.32E-30
Overall COPD	PPT2	cg03434432	rs176095	G	A	0.278	0.026	0.259	1.00E-25	0.016	0.008	0.055	0.029	109.894	TRUE	7.22E-25
Overall COPD	PPT2	cg03434432	rs17843607	G	A	-0.395	0.023	0.472	6.53E-68	-0.029	0.010	0.003	0.076	303.063	TRUE	1.37E-64
Overall COPD	PPT2	cg03434432	rs241447	C	T	0.172	0.028	0.242	4.51E-10	-0.004	0.008	0.607	0.010	38.859	TRUE	6.40E-10
Overall COPD	PPT2	cg03434432	rs2844512	C	G	-0.328	0.024	0.392	9.39E-43	-0.004	0.007	0.605	0.048	187.745	TRUE	1.01E-41
Overall COPD	PPT2	cg03434432	rs3130283	A	C	-1.178	0.025	0.161	<1E-200	-0.031	0.010	0.002	0.368	2152.006	TRUE	<1E-200
Overall COPD	PPT2	cg03434432	rs3130934	A	C	-0.384	0.025	0.316	1.48E-51	-0.009	0.008	0.257	0.058	228.066	TRUE	6.46E-50

Overall COPD	PPT2	cg03434432	rs3131627	A	G	-0.331	0.024	0.404	2.53E-44	-0.006	0.007	0.416	0.050	194.931	TRUE	4.01E-43
Overall COPD	PPT2	cg03434432	rs34137317	T	C	-0.985	0.096	0.020	8.43E-25	-0.008	0.025	0.753	0.028	105.677	TRUE	2.12E-24
Overall COPD	PPT2	cg03434432	rs3819306	G	A	0.159	0.024	0.382	3.03E-11	-0.020	0.008	0.019	0.012	44.131	TRUE	9.28E-11
Overall COPD	PPT2	cg03434432	rs41316200	T	C	0.224	0.031	0.171	8.26E-13	0.020	0.012	0.094	0.014	51.192	TRUE	2.13E-12
Overall COPD	PPT2	cg03434432	rs41542719	C	T	0.191	0.026	0.294	1.00E-13	0.015	0.011	0.160	0.015	55.332	TRUE	2.43E-13
Overall COPD	PPT2	cg03434432	rs429608	A	G	0.207	0.032	0.156	1.10E-10	-0.004	0.010	0.655	0.011	41.604	TRUE	1.56E-10
Overall COPD	PPT2	cg03434432	rs537757	T	A	0.274	0.024	0.373	2.41E-29	0.013	0.007	0.060	0.033	126.414	TRUE	2.26E-28
Overall COPD	PPT2	cg03434432	rs71536546	T	C	-0.424	0.035	0.474	4.76E-33	-0.006	0.012	0.639	0.037	143.340	TRUE	2.26E-32
Overall COPD	PPT2	cg03434432	rs9264626	T	C	-0.299	0.024	0.364	2.57E-34	0.010	0.011	0.358	0.039	149.134	TRUE	1.85E-33
Overall COPD	PPT2	cg03434432	rs9267817	A	G	0.202	0.029	0.212	3.03E-12	-0.003	0.008	0.741	0.013	48.643	TRUE	4.32E-12
Overall COPD	PPT2	cg03434432	rs9267857	G	A	0.272	0.024	0.417	6.10E-31	-0.027	0.009	0.003	0.035	133.710	TRUE	1.35E-29
Overall COPD	PPT2	cg03434432	rs9273748	A	C	0.238	0.038	0.104	2.36E-10	0.004	0.024	0.875	0.011	40.123	TRUE	2.95E-10
Overall COPD	PPT2	cg03434432	rs9274096	C	A	0.267	0.024	0.365	4.68E-28	0.011	0.013	0.387	0.032	120.534	TRUE	2.04E-27
Overall COPD	PPT2	cg03434432	rs9276579	A	G	-0.272	0.023	0.454	4.07E-32	0.010	0.010	0.324	0.036	139.084	TRUE	2.59E-31
Overall COPD	PPT2	cg03434432	rs9469089	C	G	0.201	0.033	0.144	1.88E-09	0.016	0.010	0.107	0.010	36.072	TRUE	3.89E-09
Overall COPD	PPT2	cg03434432	rs9501404	A	G	-0.536	0.032	0.163	1.98E-62	-0.032	0.014	0.025	0.070	277.915	TRUE	9.22E-60
Overall COPD	PPT2	cg03995156	rs1269839	T	G	-0.353	0.050	0.055	1.43E-12	-0.019	0.019	0.314	0.013	50.114	TRUE	2.75E-12
Overall COPD	PPT2	cg03995156	rs2596496	C	G	-0.142	0.025	0.336	8.79E-09	0.003	0.009	0.761	0.009	33.075	TRUE	1.11E-08
Overall COPD	PPT2	cg03995156	rs2844512	C	G	-0.180	0.024	0.392	1.01E-13	-0.004	0.007	0.605	0.015	55.323	TRUE	1.65E-13
Overall COPD	PPT2	cg03995156	rs3130283	A	C	-0.472	0.032	0.161	1.54E-50	-0.031	0.010	0.002	0.057	223.401	TRUE	3.50E-48
Overall COPD	PPT2	cg03995156	rs9264642	T	C	-0.135	0.024	0.393	2.62E-08	0.005	0.008	0.520	0.008	30.953	TRUE	3.65E-08
Overall COPD	PPT2	cg03995156	rs9270505	A	G	-0.192	0.024	0.424	5.16E-16	-0.022	0.008	0.006	0.017	65.698	TRUE	2.70E-15
Overall COPD	PPT2	cg03995156	rs9272777	T	C	0.174	0.024	0.361	3.59E-13	0.018	0.010	0.078	0.014	52.828	TRUE	9.85E-13
Overall COPD	PPT2	cg03995156	rs9276816	T	C	0.138	0.024	0.423	5.69E-09	0.024	0.007	8.08E-04	0.009	33.921	TRUE	2.08E-08
Overall COPD	PPT2	cg04105091	rs3130348	A	C	-0.232	0.027	0.237	2.63E-17	0.020	0.009	0.020	0.019	71.569	TRUE	1.25E-16
Overall COPD	PPT2	cg04105091	rs805305	G	C	-0.184	0.025	0.362	1.41E-13	0.018	0.007	0.013	0.015	54.669	TRUE	5.41E-13
Overall COPD	PPT2	cg04105091	rs9267817	A	G	0.371	0.029	0.212	5.68E-38	-0.003	0.008	0.741	0.043	165.858	TRUE	3.53E-37
Overall COPD	PPT2	cg04536704	rs151719	C	T	-0.176	0.027	0.248	6.97E-11	-0.015	0.008	0.064	0.011	42.504	TRUE	1.72E-10
Overall COPD	PPT2	cg04536704	rs2844512	C	G	-0.233	0.024	0.392	3.46E-22	-0.004	0.007	0.605	0.025	93.767	TRUE	8.49E-22
Overall COPD	PPT2	cg04536704	rs3130283	A	C	-0.539	0.031	0.161	2.04E-66	-0.031	0.010	0.002	0.074	296.202	TRUE	4.09E-63
Overall COPD	PPT2	cg04536704	rs3130284	C	T	0.263	0.027	0.236	6.99E-22	0.020	0.009	0.021	0.024	92.377	TRUE	4.68E-21
Overall COPD	PPT2	cg04536704	rs3131627	A	G	-0.190	0.024	0.404	1.46E-15	-0.006	0.007	0.416	0.017	63.653	TRUE	2.97E-15
Overall COPD	PPT2	cg04536704	rs743401	C	T	-0.159	0.024	0.404	1.89E-11	-0.014	0.007	0.049	0.012	45.062	TRUE	5.06E-11
Overall COPD	PPT2	cg04536704	rs7755290	G	A	-0.273	0.050	0.054	4.74E-08	-0.011	0.019	0.554	0.008	29.805	TRUE	6.43E-08
Overall COPD	PPT2	cg04536704	rs9265494	C	T	0.206	0.025	0.336	4.75E-16	0.017	0.008	0.039	0.017	65.860	TRUE	1.82E-15
Overall COPD	PPT2	cg04536704	rs9270505	A	G	-0.232	0.024	0.424	7.17E-23	-0.022	0.008	0.006	0.026	96.882	TRUE	6.61E-22
Overall COPD	PPT2	cg04536704	rs9274096	C	A	0.165	0.024	0.365	1.13E-11	0.011	0.013	0.387	0.012	46.057	TRUE	1.97E-11
Overall COPD	PPT2	cg04536704	rs9276582	C	G	0.216	0.030	0.185	6.55E-13	0.002	0.013	0.866	0.014	51.646	TRUE	8.92E-13
Overall COPD	PPT2	cg04536704	rs9276816	T	C	0.138	0.024	0.423	4.97E-09	0.024	0.007	8.08E-04	0.009	34.184	TRUE	1.83E-08
Overall COPD	PPT2	cg04536704	rs9501404	A	G	-0.264	0.033	0.163	4.89E-16	-0.032	0.014	0.025	0.017	65.806	TRUE	2.03E-15
Overall COPD	PPT2	cg04749507	rs114004994	C	G	0.523	0.061	0.036	9.02E-18	-0.008	0.017	0.643	0.020	73.677	TRUE	1.72E-17
Overall COPD	PPT2	cg04749507	rs1573648	A	G	-0.132	0.024	0.456	2.13E-08	-0.002	0.007	0.721	0.008	31.353	TRUE	2.70E-08

Overall COPD	PPT2	cg04749507	rs9267817	A	G	-0.445	0.029	0.212	1.05E-54	-0.003	0.008	0.741	0.062	242.497	TRUE	3.13E-53
Overall COPD	PPT2	cg04856022	rs1269839	T	G	-0.307	0.050	0.055	8.37E-10	-0.019	0.019	0.314	0.010	37.652	TRUE	1.41E-09
Overall COPD	PPT2	cg04856022	rs151719	C	T	-0.151	0.027	0.248	2.31E-08	-0.015	0.008	0.064	0.008	31.196	TRUE	4.85E-08
Overall COPD	PPT2	cg04856022	rs17843619	C	A	-0.182	0.023	0.496	3.73E-15	-0.029	0.009	0.001	0.016	61.806	TRUE	2.32E-14
Overall COPD	PPT2	cg04856022	rs2844512	C	G	-0.243	0.024	0.392	6.88E-24	-0.004	0.007	0.605	0.027	101.521	TRUE	1.86E-23
Overall COPD	PPT2	cg04856022	rs3130283	A	C	-0.577	0.031	0.161	1.19E-75	-0.031	0.010	0.002	0.084	338.570	TRUE	1.00E-71
Overall COPD	PPT2	cg04856022	rs3131627	A	G	-0.196	0.024	0.404	2.21E-16	-0.006	0.007	0.416	0.018	67.368	TRUE	4.70E-16
Overall COPD	PPT2	cg04856022	rs3134944	T	C	0.293	0.027	0.237	1.06E-26	0.019	0.009	0.026	0.030	114.349	TRUE	9.95E-26
Overall COPD	PPT2	cg04856022	rs9263787	T	A	-0.174	0.024	0.404	3.10E-13	-0.014	0.007	0.049	0.014	53.118	TRUE	9.32E-13
Overall COPD	PPT2	cg04856022	rs9265494	C	T	0.210	0.025	0.336	1.37E-16	0.017	0.008	0.039	0.018	68.308	TRUE	5.45E-16
Overall COPD	PPT2	cg04856022	rs9270505	A	G	-0.229	0.024	0.424	2.71E-22	-0.022	0.008	0.006	0.025	94.251	TRUE	2.38E-21
Overall COPD	PPT2	cg04856022	rs9274096	C	A	0.160	0.024	0.365	4.88E-11	0.011	0.013	0.387	0.012	43.203	TRUE	8.23E-11
Overall COPD	PPT2	cg04856022	rs9276582	C	G	0.215	0.030	0.185	1.16E-12	0.002	0.013	0.866	0.013	50.520	TRUE	1.57E-12
Overall COPD	PPT2	cg04856022	rs9276816	T	C	0.167	0.024	0.423	1.99E-12	0.024	0.007	8.08E-04	0.013	49.465	TRUE	1.01E-11
Overall COPD	PPT2	cg04856022	rs9501404	A	G	-0.277	0.033	0.163	1.78E-17	-0.032	0.014	0.025	0.019	72.331	TRUE	8.23E-17
Overall COPD	PPT2	cg04877280	rs2763979	T	C	0.147	0.025	0.351	2.80E-09	0.021	0.007	0.004	0.009	35.297	TRUE	8.94E-09
Overall COPD	PPT2	cg04877280	rs3130283	A	C	-0.319	0.032	0.161	7.18E-24	-0.031	0.010	0.002	0.027	101.436	TRUE	9.24E-23
Overall COPD	PPT2	cg05133205	rs3130071	T	A	0.206	0.033	0.148	3.23E-10	-0.026	0.010	0.009	0.011	39.509	TRUE	1.02E-09
Overall COPD	PPT2	cg05133205	rs3130348	A	C	-0.309	0.027	0.237	1.11E-29	0.020	0.009	0.020	0.033	127.959	TRUE	1.44E-28
Overall COPD	PPT2	cg05133205	rs6906662	A	G	-0.276	0.049	0.062	2.19E-08	-0.021	0.014	0.135	0.008	31.304	TRUE	4.08E-08
Overall COPD	PPT2	cg05133205	rs805305	G	C	-0.228	0.025	0.362	4.89E-20	0.018	0.007	0.013	0.022	83.977	TRUE	3.10E-19
Overall COPD	PPT2	cg05133205	rs9267817	A	G	0.407	0.029	0.212	1.00E-45	-0.003	0.008	0.741	0.052	201.349	TRUE	1.22E-44
Overall COPD	PPT2	cg05133205	rs9269017	A	G	-0.164	0.029	0.198	2.30E-08	0.000	0.012	0.996	0.008	31.207	TRUE	2.58E-08
Overall COPD	PPT2	cg05133205	rs9274096	C	A	-0.153	0.024	0.365	3.64E-10	0.011	0.013	0.387	0.011	39.275	TRUE	5.92E-10
Overall COPD	PPT2	cg05133205	rs9276582	C	G	-0.184	0.030	0.185	1.12E-09	0.002	0.013	0.866	0.010	37.082	TRUE	1.38E-09
Overall COPD	PPT2	cg05323467	rs9267817	A	G	0.214	0.029	0.212	9.32E-14	-0.003	0.008	0.741	0.015	55.477	TRUE	1.40E-13
Overall COPD	PPT2	cg06025456	rs6457535	A	G	0.198	0.032	0.158	4.32E-10	-0.029	0.010	0.004	0.010	38.942	TRUE	1.50E-09
Overall COPD	PPT2	cg06108383	rs3130283	A	C	0.264	0.032	0.161	1.09E-16	-0.031	0.010	0.002	0.018	68.758	TRUE	7.40E-16
Overall COPD	PPT2	cg06264679	rs116416438	A	G	0.445	0.078	0.021	9.86E-09	-0.004	0.019	0.814	0.009	32.850	TRUE	1.21E-08
Overall COPD	PPT2	cg06264679	rs2243873	C	A	-0.143	0.024	0.459	2.38E-09	0.000	0.007	0.998	0.010	35.612	TRUE	2.74E-09
Overall COPD	PPT2	cg06264679	rs3130284	C	T	-0.271	0.027	0.236	4.71E-23	0.020	0.009	0.021	0.026	97.712	TRUE	3.46E-22
Overall COPD	PPT2	cg06264679	rs6457646	A	G	0.136	0.023	0.447	6.79E-09	0.004	0.009	0.628	0.009	33.575	TRUE	9.15E-09
Overall COPD	PPT2	cg06264679	rs805305	G	C	-0.190	0.025	0.362	2.65E-14	0.018	0.007	0.013	0.015	57.945	TRUE	1.08E-13
Overall COPD	PPT2	cg06264679	rs9267817	A	G	0.542	0.028	0.212	4.40E-81	-0.003	0.008	0.741	0.089	363.506	TRUE	4.01E-78
Overall COPD	PPT2	cg06814287	rs2596464	T	C	0.137	0.024	0.464	5.58E-09	-0.014	0.007	0.048	0.009	33.958	TRUE	1.27E-08
Overall COPD	PPT2	cg06814287	rs3130283	A	C	0.262	0.032	0.161	1.99E-16	-0.031	0.010	0.002	0.018	67.575	TRUE	1.32E-15
Overall COPD	PPT2	cg06814287	rs3130284	C	T	-0.258	0.027	0.236	4.79E-21	0.020	0.009	0.021	0.023	88.567	TRUE	3.01E-20
Overall COPD	PPT2	cg06814287	rs3957147	T	C	-0.203	0.030	0.188	2.66E-11	0.019	0.009	0.037	0.012	44.390	TRUE	7.37E-11
Overall COPD	PPT2	cg06814287	rs909253	G	A	-0.137	0.024	0.360	1.98E-08	0.016	0.007	0.034	0.008	31.495	TRUE	4.57E-08
Overall COPD	PPT2	cg06832687	rs151719	C	T	-0.159	0.027	0.248	4.00E-09	-0.015	0.008	0.064	0.009	34.603	TRUE	8.81E-09
Overall COPD	PPT2	cg06832687	rs2596496	C	G	-0.163	0.025	0.336	3.15E-11	0.003	0.009	0.761	0.012	44.059	TRUE	4.29E-11
Overall COPD	PPT2	cg06832687	rs2844512	C	G	-0.146	0.024	0.392	1.52E-09	-0.004	0.007	0.605	0.010	36.488	TRUE	2.12E-09

Overall COPD	PPT2	cg06832687	rs3130283	A	C	-0.524	0.031	0.161	1.14E-62	-0.031	0.010	0.002	0.070	279.013	TRUE	1.32E-59
Overall COPD	PPT2	cg06832687	rs3130934	A	C	-0.163	0.026	0.316	2.20E-10	-0.009	0.008	0.257	0.011	40.259	TRUE	4.00E-10
Overall COPD	PPT2	cg06832687	rs9265494	C	T	0.146	0.025	0.336	9.57E-09	0.017	0.008	0.039	0.009	32.909	TRUE	2.22E-08
Overall COPD	PPT2	cg06832687	rs9270505	A	G	-0.176	0.024	0.424	7.81E-14	-0.022	0.008	0.006	0.015	55.822	TRUE	3.43E-13
Overall COPD	PPT2	cg06832687	rs9273710	G	A	-0.172	0.023	0.475	2.15E-13	-0.047	0.012	1.21E-04	0.014	53.834	TRUE	1.47E-12
Overall COPD	PPT2	cg06832687	rs9276816	T	C	0.137	0.024	0.423	7.00E-09	0.024	0.007	8.08E-04	0.009	33.518	TRUE	2.54E-08
Overall COPD	PPT2	cg06832687	rs9501404	A	G	-0.211	0.033	0.163	9.75E-11	-0.032	0.014	0.025	0.011	41.848	TRUE	2.77E-10
Overall COPD	PPT2	cg06902929	rs1269839	T	G	-0.423	0.050	0.055	1.69E-17	-0.019	0.019	0.314	0.019	72.440	TRUE	4.19E-17
Overall COPD	PPT2	cg06902929	rs184006295	T	C	-0.194	0.033	0.130	5.99E-09	-0.023	0.017	0.185	0.009	33.820	TRUE	1.09E-08
Overall COPD	PPT2	cg06902929	rs2844512	C	G	-0.142	0.024	0.392	4.21E-09	-0.004	0.007	0.605	0.009	34.508	TRUE	5.77E-09
Overall COPD	PPT2	cg06902929	rs9267817	A	G	0.161	0.029	0.212	2.71E-08	-0.003	0.008	0.741	0.008	30.890	TRUE	3.39E-08
Overall COPD	PPT2	cg08057899	rs3134944	T	C	-0.250	0.027	0.237	3.02E-20	0.019	0.009	0.026	0.022	84.930	TRUE	1.70E-19
Overall COPD	PPT2	cg08295094	rs1055890	G	A	0.162	0.025	0.356	4.91E-11	-0.011	0.008	0.169	0.012	43.189	TRUE	1.01E-10
Overall COPD	PPT2	cg08295094	rs1419881	A	G	-0.190	0.023	0.488	2.91E-16	0.015	0.007	0.026	0.018	66.827	TRUE	1.22E-15
Overall COPD	PPT2	cg08295094	rs2243873	C	A	-0.215	0.024	0.459	1.16E-19	0.000	0.007	0.998	0.022	82.276	TRUE	1.88E-19
Overall COPD	PPT2	cg08295094	rs2395191	T	C	0.191	0.025	0.357	1.17E-14	-0.048	0.010	7.90E-07	0.016	59.547	TRUE	1.49E-13
Overall COPD	PPT2	cg08295094	rs2844512	C	G	0.189	0.024	0.392	3.83E-15	-0.004	0.007	0.605	0.016	61.752	TRUE	6.66E-15
Overall COPD	PPT2	cg08295094	rs3130348	A	C	-0.636	0.026	0.237	2.71E-129	0.020	0.009	0.020	0.137	584.928	TRUE	3.71E-121
Overall COPD	PPT2	cg08295094	rs41543814	T	C	0.196	0.024	0.417	1.24E-16	0.010	0.008	0.242	0.018	68.516	TRUE	3.17E-16
Overall COPD	PPT2	cg08295094	rs522254	G	A	0.215	0.028	0.207	2.81E-14	0.026	0.009	0.002	0.015	57.833	TRUE	1.49E-13
Overall COPD	PPT2	cg08295094	rs71543427	A	C	-0.500	0.077	0.024	1.05E-10	0.017	0.024	0.471	0.011	41.698	TRUE	1.66E-10
Overall COPD	PPT2	cg08295094	rs805305	G	C	-0.255	0.025	0.362	3.92E-25	0.018	0.007	0.013	0.028	107.194	TRUE	3.77E-24
Overall COPD	PPT2	cg08295094	rs9265494	C	T	-0.153	0.025	0.336	1.62E-09	0.017	0.008	0.039	0.010	36.361	TRUE	3.96E-09
Overall COPD	PPT2	cg08295094	rs9266225	C	T	0.152	0.026	0.310	3.63E-09	0.002	0.009	0.831	0.009	34.794	TRUE	4.48E-09
Overall COPD	PPT2	cg08295094	rs9267817	A	G	0.190	0.029	0.212	4.04E-11	-0.003	0.008	0.741	0.012	43.571	TRUE	5.54E-11
Overall COPD	PPT2	cg08295094	rs9273325	A	G	-0.324	0.032	0.150	1.15E-24	0.016	0.010	0.121	0.028	105.065	TRUE	6.08E-24
Overall COPD	PPT2	cg08295094	rs9273544	A	G	0.237	0.023	0.451	9.59E-25	-0.028	0.010	0.006	0.028	105.421	TRUE	1.06E-23
Overall COPD	PPT2	cg08295094	rs9274096	C	A	-0.175	0.024	0.365	5.57E-13	0.011	0.013	0.387	0.014	51.964	TRUE	1.03E-12
Overall COPD	PPT2	cg10551329	rs3130283	A	C	0.182	0.032	0.161	1.07E-08	-0.031	0.010	0.002	0.009	32.689	TRUE	3.57E-08
Overall COPD	PPT2	cg11122280	rs1269839	T	G	0.483	0.050	0.055	1.72E-22	-0.019	0.019	0.314	0.025	95.154	TRUE	5.69E-22
Overall COPD	PPT2	cg11386011	rs3131297	T	A	-0.195	0.028	0.236	1.33E-12	0.020	0.009	0.018	0.013	50.254	TRUE	4.56E-12
Overall COPD	PPT2	cg11386011	rs9267817	A	G	0.165	0.029	0.212	1.35E-08	-0.003	0.008	0.741	0.009	32.246	TRUE	1.70E-08
Overall COPD	PPT2	cg11941520	rs176095	G	A	-0.180	0.027	0.259	1.24E-11	0.016	0.008	0.055	0.012	45.889	TRUE	3.29E-11
Overall COPD	PPT2	cg11941520	rs2854260	T	C	0.219	0.032	0.169	1.19E-11	0.017	0.015	0.255	0.012	45.955	TRUE	2.32E-11
Overall COPD	PPT2	cg11941520	rs805305	G	C	-0.162	0.025	0.362	8.06E-11	0.018	0.007	0.013	0.011	42.221	TRUE	2.52E-10
Overall COPD	PPT2	cg11941520	rs9267817	A	G	0.502	0.029	0.212	2.19E-69	-0.003	0.008	0.741	0.077	309.825	TRUE	3.80E-67
Overall COPD	PPT2	cg12585943	rs3130348	A	C	-0.263	0.027	0.237	6.97E-22	0.020	0.009	0.020	0.024	92.383	TRUE	4.71E-21
Overall COPD	PPT2	cg12585943	rs805305	G	C	-0.208	0.025	0.362	5.47E-17	0.018	0.007	0.013	0.019	70.122	TRUE	2.73E-16
Overall COPD	PPT2	cg12585943	rs9267817	A	G	0.449	0.029	0.212	1.27E-55	-0.003	0.008	0.741	0.063	246.711	TRUE	4.17E-54
Overall COPD	PPT2	cg12738718	rs3130348	A	C	-0.186	0.028	0.237	1.48E-11	0.020	0.009	0.020	0.012	45.531	TRUE	4.62E-11
Overall COPD	PPT2	cg12738718	rs9267817	A	G	0.257	0.029	0.212	5.94E-19	-0.003	0.008	0.741	0.021	79.044	TRUE	1.12E-18
Overall COPD	PPT2	cg12883279	rs1061808	T	G	0.147	0.024	0.377	1.07E-09	-0.013	0.007	0.063	0.010	37.182	TRUE	2.44E-09

Overall COPD	PPT2	cg13102294	rs3134947	T	C	-0.264	0.027	0.237	5.81E-22	0.019	0.009	0.026	0.024	92.741	TRUE	3.73E-21
Overall COPD	PPT2	cg13102294	rs805305	G	C	-0.196	0.025	0.362	4.09E-15	0.018	0.007	0.013	0.016	61.623	TRUE	1.77E-14
Overall COPD	PPT2	cg13102294	rs9267817	A	G	0.476	0.029	0.212	1.78E-62	-0.003	0.008	0.741	0.070	278.133	TRUE	1.29E-60
Overall COPD	PPT2	cg13934406	rs3117578	A	G	0.205	0.032	0.153	1.43E-10	-0.026	0.010	0.008	0.011	41.096	TRUE	4.72E-10
Overall COPD	PPT2	cg14130039	rs3130348	A	C	-0.205	0.027	0.237	8.52E-14	0.020	0.009	0.020	0.015	55.652	TRUE	3.12E-13
Overall COPD	PPT2	cg14130039	rs805305	G	C	-0.152	0.025	0.362	1.06E-09	0.018	0.007	0.013	0.010	37.197	TRUE	3.03E-09
Overall COPD	PPT2	cg14130039	rs9267817	A	G	0.289	0.029	0.212	1.62E-23	-0.003	0.008	0.741	0.026	99.830	TRUE	3.82E-23
Overall COPD	PPT2	cg14237933	rs9267817	A	G	0.227	0.028	0.212	1.32E-15	-0.003	0.008	0.741	0.017	63.856	TRUE	2.13E-15
Overall COPD	PPT2	cg15755475	rs116329723	G	T	-1.085	0.104	0.015	1.37E-25	-0.061	0.031	0.050	0.029	109.282	TRUE	9.96E-25
Overall COPD	PPT2	cg15755475	rs1269839	T	G	-1.575	0.044	0.055	5.20E-284	-0.019	0.019	0.314	0.259	1296.250	TRUE	3.89E-254
Overall COPD	PPT2	cg15755475	rs1419881	A	G	-0.197	0.023	0.488	3.10E-17	0.015	0.007	0.026	0.019	71.243	TRUE	1.39E-16
Overall COPD	PPT2	cg15755475	rs187764	T	C	-0.490	0.046	0.068	4.81E-26	-0.043	0.015	0.006	0.029	111.351	TRUE	6.03E-25
Overall COPD	PPT2	cg15755475	rs2261033	G	A	0.203	0.024	0.418	1.00E-17	0.002	0.007	0.757	0.019	73.472	TRUE	1.76E-17
Overall COPD	PPT2	cg15755475	rs2516466	T	G	0.145	0.024	0.446	7.51E-10	-0.012	0.007	0.078	0.010	37.864	TRUE	1.68E-09
Overall COPD	PPT2	cg15755475	rs28366128	C	A	-0.210	0.025	0.307	1.21E-16	-0.019	0.012	0.117	0.018	68.556	TRUE	3.78E-16
Overall COPD	PPT2	cg15755475	rs28366176	G	T	-0.443	0.031	0.152	1.77E-46	-0.005	0.011	0.666	0.052	204.802	TRUE	2.50E-45
Overall COPD	PPT2	cg15755475	rs3210176	C	T	-0.165	0.024	0.299	7.71E-12	0.032	0.011	0.002	0.012	46.813	TRUE	3.27E-11
Overall COPD	PPT2	cg15755475	rs41543814	T	C	-0.158	0.024	0.417	2.86E-11	0.010	0.008	0.242	0.012	44.247	TRUE	5.51E-11
Overall COPD	PPT2	cg15755475	rs73404226	A	T	-0.455	0.071	0.027	1.19E-10	-0.045	0.025	0.072	0.011	41.455	TRUE	2.84E-10
Overall COPD	PPT2	cg15755475	rs7889	C	G	0.155	0.024	0.363	1.77E-10	-0.007	0.007	0.337	0.011	40.688	TRUE	3.02E-10
Overall COPD	PPT2	cg15755475	rs9266221	A	T	0.141	0.025	0.371	9.33E-09	-0.013	0.010	0.202	0.009	32.957	TRUE	1.65E-08
Overall COPD	PPT2	cg15755475	rs9266253	G	C	-0.254	0.031	0.178	8.19E-17	0.016	0.011	0.128	0.018	69.326	TRUE	2.52E-16
Overall COPD	PPT2	cg15755475	rs9267857	G	A	-0.247	0.023	0.417	4.99E-26	-0.027	0.009	0.003	0.029	111.278	TRUE	6.97E-25
Overall COPD	PPT2	cg15755475	rs9274500	A	T	-0.205	0.024	0.407	1.36E-17	0.022	0.009	0.017	0.019	72.864	TRUE	6.85E-17
Overall COPD	PPT2	cg17113856	rs3130071	T	A	0.282	0.033	0.148	7.15E-18	-0.026	0.010	0.009	0.020	74.133	TRUE	4.14E-17
Overall COPD	PPT2	cg17229678	rs114004994	C	G	-0.414	0.061	0.036	1.30E-11	-0.008	0.017	0.643	0.012	45.793	TRUE	1.91E-11
Overall COPD	PPT2	cg17229678	rs115884658	A	G	0.698	0.091	0.021	2.40E-14	-0.023	0.023	0.326	0.015	58.145	TRUE	4.98E-14
Overall COPD	PPT2	cg17229678	rs116416438	A	G	0.497	0.078	0.021	1.46E-10	-0.004	0.019	0.814	0.011	41.057	TRUE	1.90E-10
Overall COPD	PPT2	cg17229678	rs116744327	A	G	0.330	0.056	0.050	3.48E-09	0.009	0.027	0.739	0.009	34.876	TRUE	4.48E-09
Overall COPD	PPT2	cg17229678	rs12660769	G	C	0.280	0.044	0.074	1.69E-10	0.007	0.011	0.554	0.011	40.778	TRUE	2.50E-10
Overall COPD	PPT2	cg17229678	rs2243873	C	A	-0.166	0.024	0.459	3.10E-12	0.000	0.007	0.998	0.013	48.599	TRUE	3.85E-12
Overall COPD	PPT2	cg17229678	rs23544	T	C	0.137	0.024	0.410	1.34E-08	0.006	0.007	0.410	0.009	32.249	TRUE	2.01E-08
Overall COPD	PPT2	cg17229678	rs2844470	T	A	0.262	0.048	0.071	4.96E-08	-0.016	0.017	0.350	0.008	29.717	TRUE	7.53E-08
Overall COPD	PPT2	cg17229678	rs3130284	C	T	-0.331	0.027	0.236	1.06E-33	0.020	0.009	0.021	0.038	146.320	TRUE	1.96E-32
Overall COPD	PPT2	cg17229678	rs6914412	C	T	-0.217	0.040	0.094	4.65E-08	-0.001	0.013	0.944	0.008	29.841	TRUE	5.30E-08
Overall COPD	PPT2	cg17229678	rs707974	G	A	0.216	0.038	0.100	1.26E-08	0.004	0.011	0.702	0.009	32.378	TRUE	1.62E-08
Overall COPD	PPT2	cg17229678	rs805305	G	C	-0.257	0.025	0.362	4.32E-25	0.018	0.007	0.013	0.028	107.004	TRUE	4.13E-24
Overall COPD	PPT2	cg17229678	rs9267817	A	G	0.799	0.027	0.212	3.47E-186	-0.003	0.008	0.741	0.186	846.420	TRUE	1.18E-172
Overall COPD	PPT2	cg17229678	rs9272400	G	A	0.159	0.026	0.280	8.91E-10	-0.029	0.014	0.034	0.010	37.531	TRUE	2.25E-09
Overall COPD	PPT2	cg17229678	rs9273501	A	T	0.208	0.024	0.352	5.43E-18	0.032	0.013	0.014	0.020	74.676	TRUE	2.90E-17
Overall COPD	PPT2	cg17329164	rs3130284	C	T	-0.279	0.027	0.236	2.02E-24	0.020	0.009	0.021	0.027	103.946	TRUE	1.66E-23
Overall COPD	PPT2	cg17329164	rs805305	G	C	-0.215	0.025	0.362	6.01E-18	0.018	0.007	0.013	0.020	74.477	TRUE	3.23E-17

Overall COPD	PPT2	cg17329164	rs9267817	A	G	0.463	0.029	0.212	4.63E-59	-0.003	0.008	0.741	0.066	262.469	TRUE	2.24E-57
Overall COPD	PPT2	cg17384105	rs34451818	G	C	0.533	0.048	0.048	4.13E-28	-0.011	0.017	0.528	0.032	120.780	TRUE	1.56E-27
Overall COPD	PPT2	cg17384105	rs41270893	G	A	0.269	0.047	0.122	8.14E-09	0.009	0.014	0.516	0.009	33.224	TRUE	1.16E-08
Overall COPD	PPT2	cg18049167	rs3130284	C	T	-0.263	0.027	0.236	9.21E-22	0.020	0.009	0.021	0.024	91.829	TRUE	6.11E-21
Overall COPD	PPT2	cg18049167	rs805305	G	C	-0.220	0.025	0.362	1.09E-18	0.018	0.007	0.013	0.021	77.849	TRUE	6.20E-18
Overall COPD	PPT2	cg18049167	rs9267817	A	G	0.454	0.029	0.212	6.51E-57	-0.003	0.008	0.741	0.064	252.619	TRUE	2.47E-55
Overall COPD	PPT2	cg19048176	rs9267817	A	G	-0.197	0.028	0.212	4.50E-12	-0.003	0.008	0.741	0.013	47.868	TRUE	6.37E-12
Overall COPD	PPT2	cg20328456	rs3130071	T	A	0.189	0.033	0.148	7.86E-09	-0.026	0.010	0.009	0.009	33.291	TRUE	2.22E-08
Overall COPD	PPT2	cg20328456	rs3130348	A	C	-0.212	0.027	0.237	1.15E-14	0.020	0.009	0.020	0.016	59.582	TRUE	4.51E-14
Overall COPD	PPT2	cg20328456	rs805305	G	C	-0.155	0.025	0.362	5.28E-10	0.018	0.007	0.013	0.010	38.549	TRUE	1.55E-09
Overall COPD	PPT2	cg20328456	rs9267817	A	G	0.167	0.029	0.212	9.53E-09	-0.003	0.008	0.741	0.009	32.918	TRUE	1.21E-08
Overall COPD	PPT2	cg20771808	rs28724236	G	A	-0.474	0.083	0.056	9.52E-09	-0.227	0.120	0.058	0.009	32.918	TRUE	2.08E-08
Overall COPD	PPT2	cg21241317	rs1063346	A	G	-0.138	0.023	0.448	2.06E-09	-0.029	0.010	0.003	0.010	35.894	TRUE	6.90E-09
Overall COPD	PPT2	cg21241317	rs3130283	A	C	-0.351	0.031	0.161	3.38E-29	-0.031	0.010	0.002	0.033	125.746	TRUE	7.19E-28
Overall COPD	PPT2	cg23359665	rs3130283	A	C	0.272	0.032	0.161	1.21E-17	-0.031	0.010	0.002	0.019	73.105	TRUE	8.87E-17
Overall COPD	PPT2	cg23470939	rs138039007	C	T	0.553	0.087	0.022	1.62E-10	-0.015	0.021	0.474	0.011	40.857	TRUE	2.52E-10
Overall COPD	PPT2	cg23470939	rs3130348	A	C	-0.257	0.027	0.237	6.66E-21	0.020	0.009	0.020	0.023	87.917	TRUE	4.17E-20
Overall COPD	PPT2	cg23470939	rs35353422	A	C	0.254	0.032	0.175	1.69E-15	0.015	0.012	0.217	0.017	63.359	TRUE	4.20E-15
Overall COPD	PPT2	cg23470939	rs707930	T	C	0.196	0.024	0.464	2.20E-16	0.001	0.007	0.912	0.018	67.381	TRUE	3.30E-16
Overall COPD	PPT2	cg23470939	rs9267817	A	G	0.614	0.028	0.212	9.17E-106	-0.003	0.008	0.741	0.114	476.833	TRUE	5.70E-101
Overall COPD	PPT2	cg23660356	rs1269839	T	G	0.359	0.049	0.055	3.92E-13	-0.019	0.019	0.314	0.014	52.652	TRUE	7.75E-13
Overall COPD	PPT2	cg24009529	rs1050444	A	G	-0.228	0.032	0.185	6.87E-13	0.018	0.012	0.128	0.014	51.554	TRUE	1.67E-12
Overall COPD	PPT2	cg24009529	rs11759423	T	C	-0.271	0.044	0.068	1.04E-09	0.002	0.016	0.909	0.010	37.231	TRUE	1.25E-09
Overall COPD	PPT2	cg24009529	rs1266071	T	C	-0.266	0.038	0.098	2.72E-12	0.004	0.011	0.737	0.013	48.854	TRUE	3.89E-12
Overall COPD	PPT2	cg24009529	rs1419881	A	G	0.274	0.023	0.488	5.28E-32	0.015	0.007	0.026	0.036	138.566	TRUE	7.84E-31
Overall COPD	PPT2	cg24009529	rs144027808	G	A	0.533	0.059	0.040	1.83E-19	-0.037	0.020	0.062	0.022	81.373	TRUE	8.00E-19
Overall COPD	PPT2	cg24009529	rs171329	A	G	-0.157	0.024	0.497	2.49E-11	0.002	0.007	0.754	0.012	44.516	TRUE	3.42E-11
Overall COPD	PPT2	cg24009529	rs3130348	A	C	0.943	0.023	0.237	<1E-200	0.020	0.009	0.020	0.310	1660.227	TRUE	<1E-200
Overall COPD	PPT2	cg24009529	rs3210176	C	T	0.293	0.024	0.299	3.18E-34	0.032	0.011	0.002	0.039	148.716	TRUE	1.04E-32
Overall COPD	PPT2	cg24009529	rs3819292	A	C	-0.197	0.033	0.154	2.23E-09	-0.006	0.011	0.582	0.010	35.738	TRUE	3.13E-09
Overall COPD	PPT2	cg24009529	rs408359	A	G	-0.286	0.048	0.066	2.74E-09	0.010	0.014	0.483	0.009	35.339	TRUE	4.05E-09
Overall COPD	PPT2	cg24009529	rs41316204	C	T	-0.241	0.032	0.170	3.54E-14	0.022	0.012	0.057	0.015	57.378	TRUE	1.10E-13
Overall COPD	PPT2	cg24009529	rs4959024	T	C	-0.288	0.024	0.374	3.63E-32	0.019	0.008	0.020	0.036	139.310	TRUE	5.86E-31
Overall COPD	PPT2	cg24009529	rs56263516	G	T	-0.227	0.040	0.096	1.39E-08	-0.011	0.011	0.318	0.009	32.190	TRUE	2.20E-08
Overall COPD	PPT2	cg24009529	rs62396663	A	G	0.667	0.094	0.014	1.00E-12	0.051	0.041	0.216	0.014	50.808	TRUE	2.15E-12
Overall COPD	PPT2	cg24009529	rs6457595	A	T	0.453	0.028	0.206	1.78E-57	0.018	0.012	0.117	0.065	255.206	TRUE	2.29E-55
Overall COPD	PPT2	cg24009529	rs6457598	T	C	-0.225	0.026	0.291	9.39E-18	-0.028	0.008	2.12E-04	0.020	73.598	TRUE	9.24E-17
Overall COPD	PPT2	cg24009529	rs71543427	A	C	0.691	0.078	0.024	5.58E-19	0.017	0.024	0.471	0.021	79.167	TRUE	1.29E-18
Overall COPD	PPT2	cg24009529	rs77488547	C	T	0.680	0.095	0.017	6.45E-13	-0.022	0.027	0.426	0.014	51.676	TRUE	1.15E-12
Overall COPD	PPT2	cg24009529	rs805305	G	C	0.357	0.025	0.362	8.53E-48	0.018	0.007	0.013	0.054	210.836	TRUE	7.81E-46
Overall COPD	PPT2	cg24009529	rs9265494	C	T	0.225	0.025	0.336	9.95E-19	0.017	0.008	0.039	0.021	78.027	TRUE	4.60E-18
Overall COPD	PPT2	cg24009529	rs9266216	C	T	0.323	0.024	0.408	1.14E-41	-0.006	0.010	0.539	0.047	182.776	TRUE	1.21E-40

Overall COPD	PPT2	cg24009529	rs9267817	A	G	-0.301	0.029	0.212	1.72E-25	-0.003	0.008	0.741	0.029	108.828	TRUE	4.54E-25
Overall COPD	PPT2	cg24009529	rs9274096	C	A	0.292	0.024	0.365	2.12E-33	0.011	0.013	0.387	0.038	144.951	TRUE	1.37E-32
Overall COPD	PPT2	cg24009529	rs9276570	C	T	-0.148	0.024	0.413	6.11E-10	0.000	0.011	0.970	0.010	38.265	TRUE	7.22E-10
Overall COPD	PPT2	cg24009529	rs9469089	C	G	-0.225	0.033	0.144	1.53E-11	0.016	0.010	0.107	0.012	45.475	TRUE	3.57E-11
Overall COPD	PPT2	cg24509300	rs3130283	A	C	-0.426	0.032	0.161	2.46E-41	-0.031	0.010	0.002	0.047	181.252	TRUE	1.87E-39
Overall COPD	PPT2	cg24509300	rs34665982	T	C	-0.129	0.023	0.498	3.56E-08	-0.018	0.010	0.079	0.008	30.361	TRUE	7.14E-08
Overall COPD	PPT2	cg24509300	rs9501404	A	G	-0.216	0.033	0.163	3.64E-11	-0.032	0.014	0.025	0.012	43.774	TRUE	1.07E-10
Overall COPD	PPT2	cg25426302	rs3130283	A	C	0.353	0.032	0.161	1.18E-28	-0.031	0.010	0.002	0.032	123.264	TRUE	2.39E-27
Overall COPD	PPT2	cg25426302	rs9267817	A	G	-0.190	0.029	0.212	5.73E-11	-0.003	0.008	0.741	0.011	42.887	TRUE	7.82E-11
Overall COPD	PPT2	cg25426302	rs9267857	G	A	-0.155	0.024	0.417	5.61E-11	-0.027	0.009	0.003	0.011	42.930	TRUE	2.13E-10
Overall COPD	PPT2	cg26169408	rs2243873	C	A	0.163	0.023	0.459	4.18E-12	0.000	0.007	0.998	0.013	48.014	TRUE	5.16E-12
Overall COPD	PPT2	cg26169408	rs3134947	T	C	0.340	0.027	0.237	1.35E-36	0.019	0.009	0.026	0.041	159.558	TRUE	3.09E-35
Overall COPD	PPT2	cg26169408	rs805305	G	C	0.158	0.025	0.362	1.28E-10	0.018	0.007	0.013	0.011	41.313	TRUE	3.94E-10
Overall COPD	PPT2	cg27070869	rs3130283	A	C	-0.221	0.031	0.161	2.21E-12	-0.031	0.010	0.002	0.013	49.257	TRUE	1.03E-11
Overall COPD	PPT2	cg27134827	rs114004994	C	G	-0.377	0.061	0.036	7.63E-10	-0.008	0.017	0.643	0.010	37.833	TRUE	1.05E-09
Overall COPD	PPT2	cg27134827	rs115884658	A	G	0.629	0.092	0.021	6.03E-12	-0.023	0.023	0.326	0.013	47.295	TRUE	1.11E-11
Overall COPD	PPT2	cg27134827	rs12660769	G	C	0.250	0.044	0.074	1.18E-08	0.007	0.011	0.554	0.009	32.496	TRUE	1.64E-08
Overall COPD	PPT2	cg27134827	rs2243873	C	A	-0.159	0.024	0.459	3.00E-11	0.000	0.007	0.998	0.012	44.153	TRUE	3.62E-11
Overall COPD	PPT2	cg27134827	rs3130284	C	T	-0.299	0.027	0.236	9.69E-28	0.020	0.009	0.021	0.031	119.090	TRUE	1.05E-26
Overall COPD	PPT2	cg27134827	rs6914412	C	T	-0.223	0.040	0.094	1.87E-08	-0.001	0.013	0.944	0.008	31.611	TRUE	2.15E-08
Overall COPD	PPT2	cg27134827	rs805305	G	C	-0.213	0.025	0.362	1.10E-17	0.018	0.007	0.013	0.019	73.290	TRUE	5.78E-17
Overall COPD	PPT2	cg27134827	rs9267817	A	G	0.735	0.028	0.212	9.15E-155	-0.003	0.008	0.741	0.160	701.985	TRUE	3.94E-145
Overall COPD	PPT2	cg27134827	rs9272400	G	A	0.157	0.026	0.280	1.39E-09	-0.029	0.014	0.034	0.010	36.657	TRUE	3.48E-09
Overall COPD	PPT2	cg27134827	rs9273501	A	T	0.180	0.024	0.352	8.19E-14	0.032	0.013	0.014	0.015	55.730	TRUE	3.18E-13
Overall COPD	PPT2	cg27631107	rs9469089	C	G	-0.296	0.033	0.144	1.81E-19	0.016	0.010	0.107	0.022	81.398	TRUE	6.91E-19
Overall COPD	PRKAA1	cg13345558	rs837101	T	C	0.221	0.025	0.282	4.10E-18	0.016	0.007	0.024	0.020	75.230	TRUE	1.99E-17
Overall COPD	PRKAG2	cg00157109	rs35488759	T	C	-0.315	0.044	0.074	7.18E-13	-0.004	0.013	0.755	0.014	51.466	TRUE	1.04E-12
Overall COPD	PRKAG2	cg00157109	rs4265106	A	G	-0.224	0.027	0.257	7.90E-17	0.004	0.008	0.600	0.018	69.397	TRUE	1.49E-16
Overall COPD	PRKAG2	cg00157109	rs7795096	C	T	0.245	0.023	0.481	8.17E-26	-0.010	0.007	0.133	0.029	110.300	TRUE	4.57E-25
Overall COPD	PRKAG2	cg00491428	rs11771304	A	G	-0.216	0.034	0.140	3.48E-10	-0.003	0.009	0.739	0.011	39.366	TRUE	4.62E-10
Overall COPD	PRKAG2	cg00491428	rs35148810	T	C	-0.284	0.031	0.190	1.97E-20	0.007	0.009	0.447	0.023	85.773	TRUE	5.04E-20
Overall COPD	PRKAG2	cg00491428	rs3813852	C	T	-1.088	0.027	0.175	<1E-200	0.006	0.009	0.514	0.309	1657.439	TRUE	<1E-200
Overall COPD	PRKAG2	cg00491428	rs6953067	G	C	0.183	0.029	0.212	1.78E-10	-0.014	0.009	0.112	0.011	40.677	TRUE	3.86E-10
Overall COPD	PRKAG2	cg00491428	rs9648727	T	C	0.300	0.024	0.349	8.40E-35	0.006	0.007	0.397	0.039	151.358	TRUE	5.97E-34
Overall COPD	PRKAG2	cg01005180	rs1971030	T	C	0.173	0.024	0.413	4.08E-13	-0.003	0.007	0.679	0.014	52.574	TRUE	6.23E-13
Overall COPD	PRKAG2	cg01005180	rs2727553	G	A	0.387	0.023	0.490	4.21E-64	-0.014	0.007	0.042	0.072	285.587	TRUE	2.02E-61
Overall COPD	PRKAG2	cg01005180	rs73158145	G	C	-0.218	0.036	0.124	1.92E-09	0.003	0.011	0.784	0.010	36.034	TRUE	2.44E-09
Overall COPD	PRKAG2	cg01423695	rs140166603	A	G	0.195	0.028	0.215	6.79E-12	-0.014	0.009	0.124	0.013	47.063	TRUE	1.57E-11
Overall COPD	PRKAG2	cg01423695	rs9648724	A	G	-0.251	0.027	0.243	1.15E-20	0.009	0.008	0.271	0.023	86.834	TRUE	3.60E-20
Overall COPD	PRKAG2	cg01588379	rs13239239	C	T	0.185	0.025	0.349	7.87E-14	0.000	0.007	0.971	0.015	55.808	TRUE	1.04E-13
Overall COPD	PRKAG2	cg01588379	rs56308233	A	C	-0.395	0.072	0.027	4.65E-08	-0.024	0.021	0.244	0.008	29.841	TRUE	7.63E-08
Overall COPD	PRKAG2	cg01588379	rs6464166	C	T	-0.313	0.030	0.192	1.06E-25	0.006	0.010	0.501	0.029	109.783	TRUE	3.52E-25

Overall COPD	PRKAG2	cg01588379	rs76351165	A	C	-0.732	0.068	0.052	2.64E-27	-0.012	0.014	0.409	0.031	117.103	TRUE	1.07E-26
Overall COPD	PRKAG2	cg03323793	rs10260657	A	G	0.154	0.025	0.319	1.00E-09	-0.005	0.008	0.540	0.010	37.301	TRUE	1.46E-09
Overall COPD	PRKAG2	cg03323793	rs11772588	A	C	-0.435	0.032	0.158	5.18E-43	-0.014	0.010	0.148	0.049	188.928	TRUE	1.21E-41
Overall COPD	PRKAG2	cg03567939	rs11768925	G	A	-0.181	0.027	0.273	1.02E-11	-0.007	0.008	0.405	0.012	46.263	TRUE	1.75E-11
Overall COPD	PRKAG2	cg03567939	rs118118867	T	C	-0.201	0.028	0.219	8.21E-13	-0.026	0.011	0.017	0.014	51.204	TRUE	2.88E-12
Overall COPD	PRKAG2	cg03567939	rs34388354	G	T	0.171	0.030	0.202	1.26E-08	0.008	0.008	0.310	0.009	32.373	TRUE	2.02E-08
Overall COPD	PRKAG2	cg03567939	rs9648724	A	G	-0.276	0.027	0.243	1.23E-24	0.009	0.008	0.271	0.028	104.935	TRUE	4.93E-24
Overall COPD	PRKAG2	cg04058799	rs11772588	A	C	-0.453	0.032	0.158	7.23E-47	-0.014	0.010	0.148	0.053	206.583	TRUE	2.51E-45
Overall COPD	PRKAG2	cg04058799	rs1881628	T	G	-0.190	0.030	0.193	3.17E-10	-0.009	0.009	0.321	0.011	39.545	TRUE	5.42E-10
Overall COPD	PRKAG2	cg04058799	rs7776530	C	A	0.143	0.025	0.325	1.18E-08	0.010	0.008	0.174	0.009	32.509	TRUE	2.12E-08
Overall COPD	PRKAG2	cg05807157	rs12703162	T	C	-0.131	0.023	0.431	1.69E-08	0.014	0.007	0.055	0.009	31.807	TRUE	3.66E-08
Overall COPD	PRKAG2	cg05807157	rs145499729	A	G	0.663	0.082	0.020	7.27E-16	-0.014	0.021	0.514	0.017	65.023	TRUE	1.39E-15
Overall COPD	PRKAG2	cg05807157	rs9969184	G	C	0.271	0.039	0.098	6.63E-12	-0.017	0.011	0.122	0.013	47.109	TRUE	1.54E-11
Overall COPD	PRKAG2	cg05953394	rs112119324	T	C	0.411	0.070	0.048	3.68E-09	-0.016	0.016	0.330	0.009	34.766	TRUE	5.96E-09
Overall COPD	PRKAG2	cg07132038	rs10500202	T	C	0.677	0.067	0.053	9.03E-24	-0.011	0.014	0.430	0.027	100.982	TRUE	2.85E-23
Overall COPD	PRKAG2	cg07132038	rs1881643	C	A	0.166	0.024	0.482	2.98E-12	0.000	0.007	0.944	0.013	48.678	TRUE	3.80E-12
Overall COPD	PRKAG2	cg07132038	rs9690705	G	A	-0.130	0.024	0.435	3.42E-08	0.011	0.007	0.091	0.008	30.439	TRUE	6.72E-08
Overall COPD	PRKAG2	cg07161146	rs145499729	A	G	-0.674	0.082	0.020	1.39E-16	-0.014	0.021	0.514	0.018	68.280	TRUE	2.76E-16
Overall COPD	PRKAG2	cg07804434	rs140166603	A	G	0.156	0.028	0.215	3.81E-08	-0.014	0.009	0.124	0.008	30.227	TRUE	7.11E-08
Overall COPD	PRKAG2	cg07804434	rs1881634	C	T	-0.365	0.042	0.164	6.01E-18	0.009	0.012	0.478	0.020	74.476	TRUE	1.31E-17
Overall COPD	PRKAG2	cg07804434	rs1969558	A	C	0.238	0.034	0.138	2.24E-12	-0.015	0.010	0.129	0.013	49.237	TRUE	5.28E-12
Overall COPD	PRKAG2	cg07804434	rs4726102	G	A	0.293	0.037	0.247	5.40E-15	0.004	0.008	0.587	0.016	61.076	TRUE	9.44E-15
Overall COPD	PRKAG2	cg07804434	rs56922253	T	C	0.324	0.040	0.096	3.33E-16	-0.017	0.011	0.108	0.018	66.560	TRUE	1.03E-15
Overall COPD	PRKAG2	cg07804434	rs62478250	A	G	-0.813	0.021	0.327	<1E-200	0.007	0.008	0.346	0.286	1484.577	TRUE	5.00E-287
Overall COPD	PRKAG2	cg07804434	rs6464182	T	C	-0.286	0.027	0.264	6.52E-27	0.003	0.008	0.702	0.030	115.310	TRUE	1.94E-26
Overall COPD	PRKAG2	cg07804434	rs9648727	T	C	-0.461	0.024	0.349	3.76E-82	0.006	0.007	0.397	0.091	368.408	TRUE	7.21E-79
Overall COPD	PRKAG2	cg08265392	rs2536059	A	G	-0.218	0.023	0.490	7.55E-21	-0.005	0.007	0.484	0.023	87.670	TRUE	1.91E-20
Overall COPD	PRKAG2	cg08930413	rs10276297	C	T	0.212	0.025	0.322	2.72E-17	-0.006	0.009	0.484	0.019	71.500	TRUE	5.71E-17
Overall COPD	PRKAG2	cg08930413	rs11971243	T	C	-0.707	0.031	0.160	4.06E-117	-0.015	0.009	0.109	0.125	528.989	TRUE	1.32E-110
Overall COPD	PRKAG2	cg08930413	rs1881628	T	G	-0.259	0.030	0.193	1.01E-17	-0.009	0.009	0.321	0.019	73.460	TRUE	2.51E-17
Overall COPD	PRKAG2	cg08930413	rs6950343	T	C	0.290	0.050	0.057	6.89E-09	-0.005	0.013	0.718	0.009	33.548	TRUE	8.88E-09
Overall COPD	PRKAG2	cg08930413	rs80230353	A	G	-0.513	0.082	0.020	4.71E-10	-0.013	0.021	0.552	0.010	38.772	TRUE	6.88E-10
Overall COPD	PRKAG2	cg09397579	rs4631369	G	A	-0.208	0.032	0.384	1.37E-10	0.002	0.007	0.771	0.011	41.191	TRUE	1.81E-10
Overall COPD	PRKAG2	cg09397579	rs77307127	T	C	-0.785	0.101	0.024	1.03E-14	-0.003	0.024	0.895	0.016	59.811	TRUE	1.47E-14
Overall COPD	PRKAG2	cg09403494	rs7791936	A	C	0.175	0.025	0.347	8.41E-13	0.006	0.007	0.418	0.014	51.155	TRUE	1.50E-12
Overall COPD	PRKAG2	cg09449988	rs1029947	C	T	-0.478	0.037	0.110	4.91E-38	-0.003	0.010	0.737	0.043	166.148	TRUE	3.08E-37
Overall COPD	PRKAG2	cg09449988	rs11771194	A	G	0.211	0.025	0.306	4.29E-17	-0.012	0.007	0.108	0.019	70.602	TRUE	1.40E-16
Overall COPD	PRKAG2	cg09449988	rs17134624	A	G	-0.481	0.070	0.032	4.50E-12	0.010	0.023	0.655	0.013	47.866	TRUE	6.70E-12
Overall COPD	PRKAG2	cg09449988	rs1860735	T	C	-0.226	0.038	0.110	1.87E-09	0.011	0.011	0.332	0.010	36.082	TRUE	3.07E-09
Overall COPD	PRKAG2	cg09449988	rs2538044	T	A	0.263	0.027	0.262	6.86E-23	0.007	0.008	0.353	0.026	96.970	TRUE	2.23E-22
Overall COPD	PRKAG2	cg09449988	rs372442299	A	C	-0.463	0.075	0.024	7.80E-10	-0.024	0.031	0.451	0.010	37.788	TRUE	1.20E-09
Overall COPD	PRKAG2	cg09449988	rs4726061	C	T	0.308	0.034	0.144	3.28E-19	-0.008	0.010	0.428	0.021	80.219	TRUE	7.98E-19

Overall COPD	PRKAG2	cg09449988	rs4726070	G	A	-0.696	0.023	0.392	2.74E-204	0.010	0.007	0.144	0.201	929.645	TRUE	2.17E-187
Overall COPD	PRKAG2	cg09449988	rs4726084	A	G	-0.310	0.029	0.205	9.67E-27	0.003	0.008	0.728	0.030	114.530	TRUE	2.78E-26
Overall COPD	PRKAG2	cg09449988	rs77001183	G	T	-0.609	0.095	0.014	1.23E-10	0.006	0.023	0.784	0.011	41.402	TRUE	1.62E-10
Overall COPD	PRKAG2	cg09969528	rs4015360	G	A	-0.150	0.027	0.244	3.17E-08	-0.011	0.008	0.180	0.008	30.582	TRUE	5.57E-08
Overall COPD	PRKAG2	cg10363569	rs11976285	G	A	-0.308	0.024	0.420	4.56E-39	0.003	0.007	0.695	0.044	170.871	TRUE	3.25E-38
Overall COPD	PRKAG2	cg10370262	rs869033	C	T	-0.178	0.032	0.144	3.92E-08	0.009	0.010	0.378	0.008	30.172	TRUE	5.87E-08
Overall COPD	PRKAG2	cg10902667	rs13239239	C	T	0.151	0.025	0.349	7.92E-10	0.000	0.007	0.971	0.010	37.759	TRUE	9.32E-10
Overall COPD	PRKAG2	cg11718965	rs75674230	A	T	-0.860	0.099	0.011	3.98E-18	0.014	0.034	0.691	0.020	75.291	TRUE	7.45E-18
Overall COPD	PRKAG2	cg12762399	rs73158122	A	C	-0.242	0.037	0.108	4.76E-11	-0.008	0.010	0.418	0.012	43.249	TRUE	7.88E-11
Overall COPD	PRKAG2	cg12835599	rs12533239	T	C	-0.163	0.023	0.434	1.77E-12	0.013	0.007	0.066	0.013	49.697	TRUE	4.81E-12
Overall COPD	PRKAG2	cg12835599	rs6978617	T	C	0.284	0.040	0.093	8.44E-13	-0.014	0.011	0.199	0.014	51.150	TRUE	1.85E-12
Overall COPD	PRKAG2	cg12835599	rs80230353	A	G	0.672	0.081	0.020	8.57E-17	-0.013	0.021	0.552	0.018	69.236	TRUE	1.67E-16
Overall COPD	PRKAG2	cg12978800	rs10278273	C	T	0.290	0.037	0.114	5.74E-15	-0.005	0.011	0.645	0.016	60.955	TRUE	9.64E-15
Overall COPD	PRKAG2	cg12978800	rs1104897	T	C	-0.278	0.032	0.166	4.47E-18	0.002	0.010	0.852	0.020	75.059	TRUE	7.49E-18
Overall COPD	PRKAG2	cg12978800	rs6464164	T	C	0.518	0.023	0.414	1.19E-110	-0.010	0.007	0.159	0.119	499.286	TRUE	7.73E-105
Overall COPD	PRKAG2	cg13686795	rs12532554	T	C	-0.225	0.041	0.094	2.94E-08	0.003	0.012	0.819	0.008	30.730	TRUE	3.55E-08
Overall COPD	PRKAG2	cg15453708	rs11766272	A	G	-0.336	0.059	0.113	1.17E-08	0.012	0.012	0.306	0.009	32.512	TRUE	1.89E-08
Overall COPD	PRKAG2	cg15453708	rs4442045	T	C	0.448	0.030	0.187	1.65E-50	0.017	0.010	0.083	0.057	223.267	TRUE	1.09E-48
Overall COPD	PRKAG2	cg16391727	rs2429833	T	C	-0.309	0.030	0.182	2.73E-24	0.006	0.010	0.501	0.027	103.347	TRUE	8.31E-24
Overall COPD	PRKAG2	cg16986150	rs12532554	T	C	0.231	0.041	0.094	1.49E-08	0.003	0.012	0.819	0.009	32.043	TRUE	1.82E-08
Overall COPD	PRKAG2	cg16986150	rs6464179	A	G	-0.335	0.041	0.081	3.14E-16	0.040	0.012	7.39E-04	0.018	66.678	TRUE	2.28E-15
Overall COPD	PRKAG2	cg16986150	rs6950348	C	T	-0.145	0.025	0.320	7.42E-09	0.001	0.008	0.925	0.009	33.403	TRUE	8.70E-09
Overall COPD	PRKAG2	cg16986150	rs7789674	A	G	0.509	0.023	0.436	2.77E-113	-0.005	0.007	0.415	0.121	511.377	TRUE	1.42E-107
Overall COPD	PRKAG2	cg16994041	rs12540943	A	G	0.316	0.045	0.151	1.53E-12	-0.001	0.011	0.900	0.013	49.978	TRUE	2.02E-12
Overall COPD	PRKAG2	cg16994041	rs4442045	T	C	0.987	0.026	0.187	4.92E-304	0.017	0.010	0.083	0.274	1397.543	TRUE	3.10E-271
Overall COPD	PRKAG2	cg16994041	rs58825093	T	C	-0.379	0.027	0.226	2.43E-43	-0.014	0.009	0.115	0.049	190.433	TRUE	6.53E-42
Overall COPD	PRKAG2	cg16994041	rs6975104	C	G	-0.177	0.025	0.366	1.05E-12	-0.004	0.008	0.593	0.014	50.728	TRUE	1.66E-12
Overall COPD	PRKAG2	cg16994041	rs9648724	A	G	-0.192	0.027	0.243	1.16E-12	0.009	0.008	0.271	0.013	50.530	TRUE	2.33E-12
Overall COPD	PRKAG2	cg17008978	rs10277544	C	T	0.168	0.024	0.449	8.36E-13	-0.009	0.007	0.181	0.014	51.168	TRUE	1.87E-12
Overall COPD	PRKAG2	cg17192599	rs13224758	A	G	0.257	0.043	0.158	2.35E-09	-0.014	0.009	0.125	0.010	35.643	TRUE	4.69E-09
Overall COPD	PRKAG2	cg17192599	rs58825093	T	C	0.223	0.028	0.226	9.42E-16	-0.014	0.009	0.115	0.017	64.514	TRUE	2.79E-15
Overall COPD	PRKAG2	cg17192599	rs9648724	A	G	-0.354	0.027	0.243	8.89E-40	0.009	0.008	0.271	0.045	174.119	TRUE	1.17E-38
Overall COPD	PRKAG2	cg17359198	rs12669420	T	C	0.380	0.058	0.082	7.83E-11	0.001	0.014	0.935	0.011	42.278	TRUE	9.63E-11
Overall COPD	PRKAG2	cg17359198	rs58943536	T	C	-0.256	0.028	0.220	6.68E-20	-0.024	0.009	0.010	0.022	83.362	TRUE	4.41E-19
Overall COPD	PRKAG2	cg17359198	rs7789699	C	T	-0.522	0.031	0.496	2.81E-63	-0.007	0.007	0.365	0.071	281.807	TRUE	3.95E-61
Overall COPD	PRKAG2	cg17359198	rs9648724	A	G	0.175	0.027	0.243	1.10E-10	0.009	0.008	0.271	0.011	41.620	TRUE	2.00E-10
Overall COPD	PRKAG2	cg17611936	rs10235949	A	G	-0.906	0.079	0.047	2.76E-30	-0.003	0.020	0.877	0.034	130.713	TRUE	8.72E-30
Overall COPD	PRKAG2	cg17611936	rs10265221	C	T	0.369	0.026	0.282	3.92E-46	0.012	0.008	0.130	0.052	203.220	TRUE	1.33E-44
Overall COPD	PRKAG2	cg17611936	rs112079539	A	T	-0.815	0.116	0.018	2.51E-12	0.010	0.026	0.689	0.013	49.011	TRUE	3.70E-12
Overall COPD	PRKAG2	cg17611936	rs2727550	G	A	-0.181	0.025	0.329	3.38E-13	0.010	0.007	0.175	0.014	52.946	TRUE	7.79E-13
Overall COPD	PRKAG2	cg17611936	rs2727562	G	A	-1.196	0.018	0.261	<1E-200	0.009	0.008	0.291	0.541	4353.828	TRUE	<1E-200
Overall COPD	PRKAG2	cg17611936	rs4725427	C	T	-0.720	0.104	0.026	5.06E-12	0.015	0.027	0.569	0.013	47.638	TRUE	7.90E-12

Overall COPD	PRKAG2	cg17611936	rs6960717	C	T	-0.304	0.041	0.172	1.60E-13	-0.001	0.010	0.949	0.014	54.417	TRUE	2.12E-13
Overall COPD	PRKAG2	cg17611936	rs6965771	T	C	0.202	0.027	0.260	4.40E-14	0.003	0.008	0.760	0.015	56.950	TRUE	6.64E-14
Overall COPD	PRKAG2	cg17611936	rs7788160	G	T	0.250	0.032	0.379	5.11E-15	-0.008	0.007	0.280	0.016	61.186	TRUE	1.15E-14
Overall COPD	PRKAG2	cg17611936	rs7792110	C	T	-0.223	0.037	0.246	1.22E-09	-0.020	0.010	0.050	0.010	36.923	TRUE	2.88E-09
Overall COPD	PRKAG2	cg17611936	rs79215320	A	G	-0.366	0.038	0.240	1.95E-22	-0.009	0.008	0.303	0.025	94.899	TRUE	6.54E-22
Overall COPD	PRKAG2	cg18404559	rs73478069	C	A	0.333	0.034	0.142	1.37E-22	-0.002	0.011	0.863	0.025	95.593	TRUE	2.82E-22
Overall COPD	PRKAG2	cg18439339	rs7810022	C	A	0.237	0.025	0.300	5.62E-21	0.005	0.008	0.504	0.023	88.255	TRUE	1.41E-20
Overall COPD	PRKAG2	cg18633230	rs35346765	T	C	-0.221	0.040	0.194	3.86E-08	-0.010	0.009	0.301	0.008	30.200	TRUE	6.09E-08
Overall COPD	PRKAG2	cg18649198	rs9632641	C	A	0.302	0.040	0.205	2.74E-14	0.022	0.009	0.016	0.015	57.883	TRUE	1.08E-13
Overall COPD	PRKAG2	cg19412964	rs11771194	A	G	0.218	0.025	0.306	3.21E-18	-0.012	0.007	0.108	0.020	75.713	TRUE	1.13E-17
Overall COPD	PRKAG2	cg19412964	rs1860735	T	C	-0.248	0.038	0.110	4.00E-11	0.011	0.011	0.332	0.012	43.591	TRUE	7.07E-11
Overall COPD	PRKAG2	cg19412964	rs2538044	T	A	0.216	0.027	0.262	7.21E-16	0.007	0.008	0.353	0.017	65.040	TRUE	1.58E-15
Overall COPD	PRKAG2	cg19412964	rs372442299	A	C	-0.457	0.075	0.024	1.27E-09	-0.024	0.031	0.451	0.010	36.840	TRUE	1.94E-09
Overall COPD	PRKAG2	cg19412964	rs4726070	G	A	-0.704	0.023	0.392	2.81E-209	0.010	0.007	0.144	0.205	952.588	TRUE	1.21E-191
Overall COPD	PRKAG2	cg19412964	rs4726084	A	G	-0.292	0.029	0.205	5.32E-24	0.003	0.008	0.728	0.027	102.029	TRUE	1.31E-23
Overall COPD	PRKAG2	cg19412964	rs6963512	G	A	-0.492	0.040	0.094	3.90E-35	-0.003	0.011	0.794	0.040	152.880	TRUE	1.86E-34
Overall COPD	PRKAG2	cg19412964	rs77001183	G	T	-0.575	0.095	0.014	1.20E-09	0.006	0.023	0.784	0.010	36.950	TRUE	1.53E-09
Overall COPD	PRKAG2	cg19412964	rs9801653	A	C	0.364	0.034	0.145	1.69E-26	-0.002	0.011	0.842	0.030	113.420	TRUE	4.37E-26
Overall COPD	PRKAG2	cg20269607	rs7789699	C	T	-0.182	0.032	0.496	8.79E-09	-0.007	0.007	0.365	0.009	33.075	TRUE	1.36E-08
Overall COPD	PRKAG2	cg20972917	rs74882587	T	C	0.193	0.034	0.148	1.17E-08	-0.014	0.010	0.164	0.009	32.518	TRUE	2.14E-08
Overall COPD	PRKAG2	cg21764708	rs11766272	A	G	-0.336	0.059	0.113	1.20E-08	0.012	0.012	0.306	0.009	32.471	TRUE	1.93E-08
Overall COPD	PRKAG2	cg21764708	rs4442045	T	C	0.493	0.030	0.187	4.94E-61	0.017	0.010	0.083	0.068	271.510	TRUE	1.17E-58
Overall COPD	PRKAG2	cg22513396	rs2536091	A	C	-0.188	0.023	0.408	7.34E-16	0.009	0.007	0.230	0.017	65.005	TRUE	1.83E-15
Overall COPD	PRKAG2	cg22615330	rs118118867	T	C	0.281	0.028	0.219	8.32E-24	-0.026	0.011	0.017	0.027	101.143	TRUE	6.82E-23
Overall COPD	PRKAG2	cg22615330	rs9648724	A	G	-0.387	0.027	0.243	1.24E-47	0.009	0.008	0.271	0.054	210.084	TRUE	3.48E-46
Overall COPD	PRKAG2	cg23151649	rs10278273	C	T	-0.263	0.037	0.114	1.73E-12	-0.005	0.011	0.645	0.013	49.737	TRUE	2.63E-12
Overall COPD	PRKAG2	cg23151649	rs112113536	C	G	0.300	0.041	0.093	1.30E-13	0.009	0.012	0.460	0.015	54.819	TRUE	2.34E-13
Overall COPD	PRKAG2	cg23151649	rs11983465	G	C	0.399	0.025	0.323	9.50E-58	0.002	0.008	0.804	0.065	256.453	TRUE	3.66E-56
Overall COPD	PRKAG2	cg23151649	rs12669379	C	T	0.492	0.067	0.065	1.47E-13	0.013	0.014	0.350	0.015	54.582	TRUE	2.87E-13
Overall COPD	PRKAG2	cg23151649	rs2727552	C	T	0.977	0.023	0.465	<1E-200	0.001	0.007	0.945	0.321	1749.754	TRUE	<1E-200
Overall COPD	PRKAG2	cg23151649	rs6978479	A	G	-0.503	0.091	0.033	3.39E-08	-0.010	0.019	0.617	0.008	30.455	TRUE	4.48E-08
Overall COPD	PRKAG2	cg23351327	rs76351165	A	C	-0.427	0.068	0.052	2.81E-10	-0.012	0.014	0.409	0.011	39.781	TRUE	4.52E-10
Overall COPD	PRKAG2	cg26284782	rs10260657	A	G	-0.147	0.025	0.319	4.79E-09	-0.005	0.008	0.540	0.009	34.254	TRUE	6.79E-09
Overall COPD	PRKAG2	cg26284782	rs4726101	G	A	-0.294	0.023	0.497	7.02E-37	-0.010	0.007	0.124	0.042	160.861	TRUE	9.91E-36
Overall COPD	PRKAG2	cg26673980	rs4442045	T	C	0.552	0.030	0.187	5.44E-77	0.017	0.010	0.083	0.085	344.721	TRUE	1.24E-73
Overall COPD	PRKD1	cg10077239	rs10136137	A	G	0.143	0.024	0.414	1.67E-09	-0.015	0.007	0.027	0.010	36.308	TRUE	4.29E-09
Overall COPD	PRKD1	cg10077239	rs11626226	C	T	0.323	0.056	0.047	7.15E-09	0.020	0.017	0.238	0.009	33.474	TRUE	1.23E-08
Overall COPD	PRKD1	cg13732130	rs55893141	T	A	-0.150	0.024	0.377	2.46E-10	-0.008	0.011	0.460	0.011	40.038	TRUE	3.84E-10
Overall COPD	PRKD1	cg13732130	rs72675586	A	G	-0.727	0.121	0.014	1.74E-09	0.012	0.026	0.642	0.010	36.226	TRUE	2.37E-09
Overall COPD	PRKD1	cg13732130	rs73243906	G	A	-0.359	0.055	0.050	4.95E-11	0.021	0.016	0.205	0.012	43.174	TRUE	9.79E-11
Overall COPD	PRKD1	cg13732130	rs74040636	T	C	-1.270	0.061	0.037	1.57E-97	0.010	0.018	0.590	0.106	439.018	TRUE	2.77E-93
Overall COPD	PRKD1	cg13732130	rs75043161	G	A	-0.626	0.081	0.020	1.53E-14	-0.039	0.022	0.073	0.016	59.023	TRUE	4.66E-14

Overall COPD	PRKD1	cg15490801	rs138940224	C	A	0.413	0.059	0.048	1.81E-12	0.016	0.016	0.330	0.013	49.648	TRUE	3.42E-12
Overall COPD	PRKD1	cg15490801	rs2093471	A	G	-0.152	0.025	0.334	8.12E-10	0.006	0.007	0.413	0.010	37.712	TRUE	1.28E-09
Overall COPD	PRRT1	cg00403498	rs3130283	A	C	-0.449	0.031	0.161	3.30E-46	-0.031	0.010	0.002	0.052	203.564	TRUE	4.41E-44
Overall COPD	PRRT1	cg00403498	rs3131627	A	G	-0.140	0.024	0.404	5.10E-09	-0.006	0.007	0.416	0.009	34.134	TRUE	7.74E-09
Overall COPD	PRRT1	cg00403498	rs3819306	G	A	0.133	0.024	0.382	2.74E-08	-0.020	0.008	0.019	0.008	30.870	TRUE	6.71E-08
Overall COPD	PRRT1	cg00403498	rs707928	G	A	0.143	0.025	0.340	1.66E-08	0.018	0.007	0.015	0.009	31.842	TRUE	4.27E-08
Overall COPD	PRRT1	cg00403498	rs71536546	T	C	-0.246	0.036	0.474	8.13E-12	-0.006	0.012	0.639	0.012	46.709	TRUE	1.21E-11
Overall COPD	PRRT1	cg00403498	rs9263773	T	C	-0.132	0.024	0.365	4.47E-08	-0.011	0.008	0.154	0.008	29.920	TRUE	7.99E-08
Overall COPD	PRRT1	cg00403498	rs9264626	T	C	-0.165	0.025	0.364	2.25E-11	0.010	0.011	0.358	0.012	44.712	TRUE	3.95E-11
Overall COPD	PRRT1	cg00403498	rs9267857	G	A	0.149	0.024	0.417	2.44E-10	-0.027	0.009	0.003	0.011	40.053	TRUE	8.81E-10
Overall COPD	PRRT1	cg00403498	rs9501404	A	G	-0.251	0.033	0.163	1.39E-14	-0.032	0.014	0.025	0.016	59.211	TRUE	5.21E-14
Overall COPD	PRRT1	cg02429905	rs114004994	C	G	0.426	0.061	0.036	2.41E-12	-0.008	0.017	0.643	0.013	49.094	TRUE	3.64E-12
Overall COPD	PRRT1	cg17161421	rs114004994	C	G	0.496	0.061	0.036	4.42E-16	-0.008	0.017	0.643	0.018	66.003	TRUE	7.80E-16
Overall COPD	PRRT1	cg17161421	rs9267817	A	G	-0.214	0.029	0.212	1.45E-13	-0.003	0.008	0.741	0.015	54.612	TRUE	2.16E-13
Overall COPD	PRRT1	cg17161421	rs9267860	A	G	0.171	0.031	0.184	3.84E-08	-0.020	0.009	0.025	0.008	30.211	TRUE	9.01E-08
Overall COPD	PRRT1	cg20914572	rs114004994	C	G	0.469	0.061	0.036	1.82E-14	-0.008	0.017	0.643	0.016	58.682	TRUE	3.00E-14
Overall COPD	PRRT1	cg20914572	rs114258010	G	A	0.297	0.051	0.082	5.38E-09	-0.027	0.017	0.111	0.009	34.027	TRUE	1.07E-08
Overall COPD	PRRT1	cg20914572	rs1265945	G	A	-0.306	0.024	0.373	6.94E-37	-0.005	0.007	0.480	0.042	160.886	TRUE	5.25E-36
Overall COPD	PRRT1	cg20914572	rs1269839	T	G	0.280	0.050	0.055	2.14E-08	-0.019	0.019	0.314	0.008	31.348	TRUE	3.38E-08
Overall COPD	PRRT1	cg20914572	rs146305655	A	G	0.427	0.067	0.038	1.48E-10	-0.016	0.019	0.397	0.011	41.038	TRUE	2.42E-10
Overall COPD	PRRT1	cg20914572	rs2308655	G	C	0.135	0.024	0.370	2.49E-08	-0.006	0.009	0.543	0.008	31.056	TRUE	3.42E-08
Overall COPD	PRRT1	cg20914572	rs2516469	G	C	-0.261	0.033	0.149	2.05E-15	-0.012	0.010	0.205	0.017	62.983	TRUE	5.14E-15
Overall COPD	PRRT1	cg20914572	rs3134605	C	T	-0.159	0.028	0.223	1.61E-08	0.021	0.009	0.017	0.009	31.903	TRUE	4.07E-08
Overall COPD	PRRT1	cg20914572	rs522254	G	A	0.184	0.029	0.207	1.13E-10	0.026	0.009	0.002	0.011	41.567	TRUE	4.36E-10
Overall COPD	PRRT1	cg20914572	rs9469051	C	G	0.195	0.035	0.132	1.48E-08	-0.002	0.009	0.857	0.009	32.057	TRUE	1.78E-08
Overall COPD	PRRT1	cg20914572	rs9501404	A	G	-0.196	0.033	0.163	2.22E-09	-0.032	0.014	0.025	0.010	35.755	TRUE	5.70E-09
Overall COPD	PRRT1	cg21037008	rs114004994	C	G	0.515	0.061	0.036	2.61E-17	-0.008	0.017	0.643	0.019	71.577	TRUE	4.88E-17
Overall COPD	PRRT1	cg21037008	rs9469051	C	G	0.199	0.034	0.132	6.65E-09	-0.002	0.009	0.857	0.009	33.617	TRUE	8.04E-09
Overall COPD	PTGS2	cg25147026	rs1293989	C	A	0.192	0.023	0.452	2.10E-16	-0.009	0.007	0.189	0.018	67.473	TRUE	5.69E-16
Overall COPD	PTGS2	cg25147026	rs68096880	T	A	0.497	0.034	0.130	3.85E-48	-0.021	0.010	0.038	0.054	212.417	TRUE	2.61E-46
Overall COPD	PTGS2	cg25147026	rs8824	A	C	-0.155	0.024	0.398	1.54E-10	0.016	0.007	0.023	0.011	40.959	TRUE	4.36E-10
Overall COPD	RAB7A	cg01368075	rs1683784	T	C	-0.171	0.028	0.227	1.80E-09	0.000	0.009	0.975	0.010	36.158	TRUE	2.10E-09
Overall COPD	RAB7A	cg01368075	rs186934128	T	C	0.263	0.047	0.074	2.40E-08	0.041	0.013	0.003	0.008	31.125	TRUE	7.41E-08
Overall COPD	RAB7A	cg01368075	rs56373544	G	A	0.344	0.024	0.370	1.07E-47	-0.007	0.007	0.342	0.054	210.377	TRUE	2.66E-46
Overall COPD	RAB7A	cg15033153	rs12497923	G	A	0.207	0.024	0.408	2.77E-18	-0.007	0.007	0.277	0.020	76.005	TRUE	7.48E-18
Overall COPD	RAB7A	cg15033153	rs4443195	C	A	0.162	0.024	0.473	5.32E-12	-0.007	0.007	0.268	0.013	47.539	TRUE	1.04E-11
Overall COPD	RAB7A	cg15033153	rs73198875	T	C	1.241	0.045	0.067	5.68E-164	-0.037	0.014	0.009	0.168	744.303	TRUE	1.03E-151
Overall COPD	RAB7A	cg15033153	rs73202270	A	G	0.396	0.050	0.059	2.01E-15	-0.009	0.015	0.570	0.017	63.019	TRUE	3.63E-15
Overall COPD	RAB7A	cg15033153	rs9811914	C	T	0.160	0.027	0.269	2.58E-09	0.002	0.009	0.801	0.009	35.456	TRUE	3.24E-09
Overall COPD	RAB7A	cg19205850	rs114366529	T	A	-0.291	0.049	0.062	3.62E-09	-0.038	0.014	0.008	0.009	34.800	TRUE	1.07E-08
Overall COPD	RAB7A	cg19205850	rs12630170	C	T	0.148	0.023	0.438	2.67E-10	0.006	0.007	0.409	0.011	39.881	TRUE	4.30E-10
Overall COPD	RAB7A	cg19205850	rs1683812	G	A	0.144	0.023	0.473	6.52E-10	0.003	0.007	0.650	0.010	38.139	TRUE	8.99E-10

Overall COPD	RAB7A	cg19205850	rs2253151	T	C	0.178	0.025	0.361	4.31E-13	-0.002	0.007	0.745	0.014	52.469	TRUE	6.32E-13
Overall COPD	RAB7A	cg19205850	rs62272592	T	C	-0.251	0.042	0.087	1.72E-09	-0.022	0.012	0.061	0.010	36.245	TRUE	3.91E-09
Overall COPD	RAB7A	cg19205850	rs9867598	T	C	0.609	0.040	0.087	1.58E-53	-0.020	0.011	0.069	0.060	237.106	TRUE	1.59E-51
Overall COPD	RAB7A	cg19991780	rs11717152	C	A	-0.218	0.028	0.237	1.31E-14	-0.003	0.008	0.734	0.016	59.327	TRUE	2.06E-14
Overall COPD	RAB7A	cg19991780	rs140780042	T	C	-0.652	0.079	0.027	1.08E-16	0.008	0.025	0.731	0.018	68.787	TRUE	1.84E-16
Overall COPD	RAB7A	cg19991780	rs149596160	G	A	-0.854	0.085	0.021	5.56E-24	0.018	0.024	0.442	0.027	101.943	TRUE	1.76E-23
Overall COPD	RAB7A	cg19991780	rs1680779	A	G	-0.209	0.025	0.322	7.23E-17	0.005	0.008	0.521	0.018	69.573	TRUE	1.44E-16
Overall COPD	RAB7A	cg19991780	rs2811502	T	C	0.356	0.023	0.420	4.52E-52	0.006	0.007	0.372	0.059	230.426	TRUE	1.69E-50
Overall COPD	RAB7A	cg19991780	rs4857855	T	C	0.175	0.031	0.165	2.40E-08	0.006	0.008	0.472	0.008	31.126	TRUE	3.43E-08
Overall COPD	RAB7A	cg19991780	rs564472088	C	G	-0.353	0.046	0.077	1.59E-14	0.067	0.023	0.003	0.016	58.955	TRUE	8.14E-14
Overall COPD	RAB7A	cg19991780	rs574990822	G	A	0.586	0.103	0.011	1.47E-08	0.002	0.026	0.952	0.009	32.069	TRUE	1.70E-08
Overall COPD	RAB7A	cg19991780	rs59753334	G	C	-0.794	0.041	0.095	4.58E-84	0.025	0.012	0.042	0.093	377.195	TRUE	4.55E-80
Overall COPD	RAB7A	cg19991780	rs71331614	T	C	0.434	0.035	0.116	6.98E-35	-0.017	0.010	0.077	0.039	151.724	TRUE	9.75E-34
Overall COPD	RAB7A	cg19991780	rs73203412	A	G	-0.203	0.030	0.191	1.78E-11	0.002	0.009	0.781	0.012	45.171	TRUE	2.42E-11
Overall COPD	RAB7A	cg19991780	rs74913388	T	C	-0.293	0.029	0.203	2.51E-23	0.005	0.011	0.643	0.026	98.960	TRUE	6.35E-23
Overall COPD	RAB7A	cg19991780	rs9838579	G	A	0.334	0.026	0.262	1.02E-37	-0.008	0.010	0.424	0.043	164.692	TRUE	8.89E-37
Overall COPD	RAB7A	cg26867765	rs6804596	C	G	0.344	0.032	0.151	4.48E-27	-0.029	0.009	0.001	0.030	116.055	TRUE	8.20E-26
Overall COPD	RALB	cg03154580	rs17050098	C	A	0.403	0.037	0.116	2.71E-28	0.016	0.011	0.144	0.032	121.614	TRUE	1.78E-27
Overall COPD	RALB	cg06876354	rs13019313	G	A	0.135	0.024	0.409	1.33E-08	-0.010	0.008	0.171	0.009	32.266	TRUE	2.41E-08
Overall COPD	RALB	cg11305121	rs4549095	A	G	-0.418	0.026	0.306	4.58E-60	-0.019	0.009	0.028	0.067	267.073	TRUE	1.48E-57
Overall COPD	RALB	cg11305121	rs6736163	C	T	0.269	0.035	0.128	2.22E-14	0.017	0.010	0.098	0.016	58.298	TRUE	6.26E-14
Overall COPD	RALB	cg11305121	rs72834873	T	C	-0.178	0.028	0.238	2.25E-10	-0.017	0.008	0.040	0.011	40.216	TRUE	5.79E-10
Overall COPD	RALB	cg15425061	rs115849295	C	A	-0.525	0.076	0.023	3.75E-12	0.018	0.019	0.349	0.013	48.227	TRUE	6.86E-12
Overall COPD	RALB	cg15425061	rs148141523	A	G	-0.932	0.037	0.107	1.49E-138	0.020	0.011	0.061	0.145	627.479	TRUE	1.01E-129
Overall COPD	RALB	cg15425061	rs17659633	C	A	-0.394	0.066	0.060	2.89E-09	0.022	0.016	0.174	0.009	35.238	TRUE	5.39E-09
Overall COPD	RALB	cg15425061	rs4274598	T	C	0.259	0.036	0.252	9.61E-13	0.003	0.009	0.743	0.014	50.894	TRUE	1.39E-12
Overall COPD	RALB	cg15425061	rs7564550	G	C	-0.264	0.026	0.293	8.12E-24	-0.010	0.008	0.192	0.027	101.191	TRUE	3.50E-23
Overall COPD	RALB	cg15921099	rs75142817	C	G	-0.315	0.037	0.114	1.82E-17	0.019	0.010	0.068	0.019	72.294	TRUE	6.80E-17
Overall COPD	RALB	cg27457925	rs75142817	C	G	0.552	0.036	0.114	1.28E-51	0.019	0.010	0.068	0.058	228.352	TRUE	1.04E-49
Overall COPD	RALB	cg27505472	rs34874174	A	C	0.164	0.023	0.439	3.20E-12	-0.007	0.007	0.336	0.013	48.533	TRUE	5.94E-12
Overall COPD	RHEB	cg02506984	rs4726029	T	C	-0.190	0.023	0.498	3.88E-16	-0.012	0.007	0.071	0.018	66.260	TRUE	1.32E-15
Overall COPD	RHEB	cg03323794	rs2074997	A	C	-0.166	0.023	0.500	6.55E-13	-0.011	0.007	0.085	0.014	51.647	TRUE	1.74E-12
Overall COPD	RHEB	cg03998173	rs6943752	A	G	0.143	0.023	0.500	8.78E-10	0.015	0.007	0.027	0.010	37.558	TRUE	2.31E-09
Overall COPD	RHEB	cg06603923	rs11771194	A	G	-0.186	0.025	0.306	1.16E-13	-0.012	0.007	0.108	0.015	55.043	TRUE	3.07E-13
Overall COPD	RHEB	cg06603923	rs2538043	C	A	0.159	0.024	0.373	9.23E-11	-0.002	0.008	0.778	0.011	41.955	TRUE	1.23E-10
Overall COPD	RHEB	cg06603923	rs6943752	A	G	0.333	0.023	0.500	2.64E-46	0.015	0.007	0.027	0.052	204.010	TRUE	1.64E-44
Overall COPD	RHEB	cg06603923	rs73154853	T	A	0.719	0.062	0.036	2.81E-31	-0.030	0.017	0.083	0.035	135.250	TRUE	2.80E-30
Overall COPD	RHEB	cg16782602	rs11772402	G	T	-0.161	0.023	0.474	3.89E-12	-0.017	0.008	0.031	0.013	48.153	TRUE	1.18E-11
Overall COPD	RHEB	cg16782602	rs12537413	C	T	-0.138	0.024	0.348	1.07E-08	-0.007	0.007	0.360	0.009	32.691	TRUE	1.66E-08
Overall COPD	RHEB	cg16782602	rs12669535	G	A	-1.195	0.060	0.038	2.05E-88	-0.030	0.017	0.079	0.097	397.164	TRUE	3.11E-84
Overall COPD	RHEB	cg16782602	rs2374262	C	T	-0.143	0.026	0.293	2.55E-08	-0.003	0.008	0.740	0.008	31.005	TRUE	3.20E-08
Overall COPD	RHEB	cg21134096	rs2538034	A	G	0.147	0.025	0.344	3.11E-09	0.002	0.007	0.806	0.009	35.098	TRUE	3.88E-09

Overall COPD	RHEB	cg21134096	rs6943752	A	G	0.263	0.023	0.500	3.43E-29	0.015	0.007	0.027	0.033	125.717	TRUE	3.96E-28
Overall COPD	RHEB	cg21134096	rs73154863	A	G	0.486	0.061	0.037	2.54E-15	-0.030	0.017	0.076	0.017	62.558	TRUE	8.06E-15
Overall COPD	RHEB	cg22589161	rs2727568	A	C	0.149	0.027	0.260	2.49E-08	0.001	0.008	0.941	0.008	31.049	TRUE	2.87E-08
Overall COPD	RHEB	cg22589161	rs6943752	A	G	0.176	0.023	0.500	6.12E-14	0.015	0.007	0.027	0.015	56.303	TRUE	2.16E-13
Overall COPD	RHEB	cg22589161	rs73154863	A	G	0.373	0.061	0.037	1.11E-09	-0.030	0.017	0.076	0.010	37.108	TRUE	2.46E-09
Overall COPD	RHEB	cg24531520	rs2538043	C	A	0.138	0.024	0.373	1.62E-08	-0.002	0.008	0.778	0.009	31.889	TRUE	2.01E-08
Overall COPD	RHEB	cg24531520	rs6943752	A	G	0.279	0.023	0.500	9.97E-33	0.015	0.007	0.027	0.037	141.874	TRUE	1.58E-31
Overall COPD	RHEB	cg24531520	rs73154853	T	A	0.590	0.062	0.036	1.85E-21	-0.030	0.017	0.083	0.024	90.449	TRUE	8.69E-21
Overall COPD	RHOT2	cg00904273	rs3743909	A	G	-0.174	0.025	0.347	1.33E-12	-0.021	0.007	0.003	0.013	50.260	TRUE	5.73E-12
Overall COPD	RHOT2	cg04365973	rs11642546	T	C	0.393	0.028	0.229	6.45E-46	-0.024	0.008	0.003	0.052	202.230	TRUE	7.44E-44
Overall COPD	RHOT2	cg04365973	rs12444525	A	G	0.167	0.025	0.295	5.14E-11	-0.016	0.008	0.035	0.012	43.100	TRUE	1.41E-10
Overall COPD	RHOT2	cg04365973	rs2071830	A	G	-0.510	0.036	0.119	2.03E-45	-0.003	0.010	0.774	0.051	199.951	TRUE	2.30E-44
Overall COPD	RHOT2	cg05135288	rs12597195	C	G	0.183	0.029	0.205	4.62E-10	-0.012	0.008	0.139	0.010	38.811	TRUE	9.40E-10
Overall COPD	RHOT2	cg05220042	rs11865690	T	C	0.274	0.027	0.227	1.38E-23	-0.026	0.008	0.001	0.026	100.147	TRUE	1.84E-22
Overall COPD	RHOT2	cg05220042	rs72773412	T	A	-0.175	0.031	0.170	1.35E-08	-0.003	0.010	0.786	0.009	32.238	TRUE	1.67E-08
Overall COPD	RHOT2	cg07375207	rs4984909	G	T	0.272	0.025	0.351	1.56E-28	-0.021	0.007	0.004	0.032	122.713	TRUE	2.60E-27
Overall COPD	RHOT2	cg08616681	rs12599342	T	C	-0.162	0.024	0.481	5.41E-12	0.015	0.007	0.032	0.013	47.508	TRUE	1.61E-11
Overall COPD	RHOT2	cg08616681	rs2071830	A	G	0.573	0.036	0.119	4.26E-57	-0.003	0.010	0.774	0.064	253.464	TRUE	1.59E-55
Overall COPD	RIPK3	cg01714342	rs11620783	T	C	-0.131	0.024	0.422	2.32E-08	0.006	0.007	0.379	0.008	31.186	TRUE	3.51E-08
Overall COPD	RIPK3	cg01714342	rs3212240	C	T	0.421	0.023	0.436	1.64E-74	0.013	0.007	0.046	0.083	333.340	TRUE	3.40E-71
Overall COPD	RIPK3	cg01714342	rs56082702	A	C	0.295	0.042	0.085	1.97E-12	0.017	0.013	0.190	0.013	49.486	TRUE	4.28E-12
Overall COPD	RIPK3	cg10318258	rs3212240	C	T	0.228	0.024	0.436	9.11E-22	0.013	0.007	0.046	0.024	91.851	TRUE	5.07E-21
Overall COPD	RIPK3	cg20038493	rs28620990	T	C	0.420	0.059	0.039	8.02E-13	-0.001	0.016	0.937	0.014	51.248	TRUE	1.05E-12
Overall COPD	RIPK3	cg23038074	rs28620990	T	C	0.342	0.060	0.039	9.19E-09	-0.001	0.016	0.937	0.009	32.987	TRUE	1.07E-08
Overall COPD	RNF183	cg08006727	rs4979222	G	T	-0.140	0.024	0.405	4.94E-09	0.010	0.007	0.175	0.009	34.193	TRUE	9.10E-09
Overall COPD	RNF183	cg21436938	rs16932730	A	G	-0.366	0.051	0.059	8.09E-13	-0.006	0.014	0.647	0.014	51.232	TRUE	1.24E-12
Overall COPD	RPS27L	cg02321289	rs2652812	C	T	0.199	0.027	0.223	2.32E-13	-0.020	0.008	0.011	0.014	53.685	TRUE	9.07E-13
Overall COPD	RPS27L	cg02321289	rs62011184	T	C	1.200	0.076	0.019	4.92E-56	-0.005	0.021	0.815	0.063	248.592	TRUE	1.55E-54
Overall COPD	RPS27L	cg02321289	rs73431514	G	A	0.508	0.088	0.016	8.79E-09	-0.029	0.024	0.231	0.009	33.074	TRUE	1.51E-08
Overall COPD	RPS27L	cg02713581	rs17752921	C	T	-0.315	0.053	0.100	2.24E-09	-0.013	0.013	0.324	0.010	35.734	TRUE	3.67E-09
Overall COPD	RPS27L	cg02713581	rs35363782	C	T	-0.209	0.038	0.203	4.22E-08	-0.022	0.010	0.025	0.008	30.029	TRUE	9.86E-08
Overall COPD	RPS27L	cg02713581	rs7162561	C	T	-0.168	0.027	0.257	6.33E-10	-0.007	0.008	0.378	0.010	38.197	TRUE	1.02E-09
Overall COPD	RPS27L	cg09431919	rs139651141	C	A	0.663	0.082	0.039	6.18E-16	0.009	0.018	0.616	0.017	65.343	TRUE	1.10E-15
Overall COPD	RPS27L	cg09431919	rs2047760	T	C	1.920	0.071	0.021	2.92E-163	0.011	0.020	0.608	0.167	741.038	TRUE	1.65E-152
Overall COPD	RPS27L	cg09431919	rs7162890	G	A	-0.166	0.023	0.468	1.61E-12	-0.023	0.007	4.64E-04	0.013	49.877	TRUE	8.79E-12
Overall COPD	RPS27L	cg09431919	rs7163519	C	A	0.238	0.030	0.167	1.61E-15	-0.009	0.009	0.337	0.017	63.464	TRUE	3.50E-15
Overall COPD	RPS27L	cg09431919	rs7172837	T	C	0.881	0.058	0.033	1.65E-52	0.018	0.019	0.348	0.059	232.432	TRUE	6.73E-51
Overall COPD	RPS27L	cg19279045	rs12594313	A	G	-0.131	0.023	0.475	1.71E-08	-0.016	0.007	0.016	0.009	31.787	TRUE	4.35E-08
Overall COPD	RPS27L	cg20854371	rs2652813	G	A	0.164	0.027	0.222	1.29E-09	-0.033	0.011	0.002	0.010	36.805	TRUE	4.66E-09
Overall COPD	RPS27L	cg20854371	rs62011184	T	C	0.860	0.077	0.019	4.24E-29	-0.005	0.021	0.815	0.033	125.293	TRUE	1.31E-28
Overall COPD	RPS27L	cg23837188	rs75326529	G	A	0.462	0.080	0.019	6.13E-09	0.004	0.020	0.857	0.009	33.775	TRUE	7.43E-09
Overall COPD	RPS27L	cg23837188	rs9788649	A	G	0.625	0.041	0.092	2.51E-52	0.010	0.012	0.369	0.059	231.598	TRUE	9.67E-51

Overall COPD	RPS27L	cg26210447	rs11071732	A	G	-0.251	0.038	0.107	4.55E-11	-0.013	0.011	0.236	0.012	43.339	TRUE	8.73E-11
Overall COPD	RPS27L	cg26210447	rs1126308	A	C	-0.453	0.023	0.474	2.68E-87	-0.016	0.007	0.019	0.096	392.037	TRUE	6.61E-83
Overall COPD	RPS27L	cg26210447	rs113551946	G	A	-0.304	0.038	0.106	2.34E-15	0.006	0.030	0.843	0.017	62.725	TRUE	3.52E-15
Overall COPD	RPS27L	cg26210447	rs2088652	G	C	-0.203	0.037	0.102	3.97E-08	-0.012	0.011	0.292	0.008	30.150	TRUE	6.29E-08
Overall COPD	RPS27L	cg26210447	rs35363782	C	T	-0.252	0.039	0.203	7.88E-11	-0.022	0.010	0.025	0.011	42.265	TRUE	2.24E-10
Overall COPD	RPS27L	cg26210447	rs62011225	A	G	-0.259	0.042	0.072	6.24E-10	-0.002	0.012	0.876	0.010	38.223	TRUE	7.71E-10
Overall COPD	RPS27L	cg26210447	rs7183733	T	C	-0.209	0.025	0.330	6.44E-17	-0.005	0.007	0.490	0.019	69.799	TRUE	1.32E-16
Overall COPD	RPTOR	cg00143364	rs7218924	T	C	-0.155	0.024	0.429	7.82E-11	-0.012	0.007	0.078	0.011	42.279	TRUE	1.86E-10
Overall COPD	RPTOR	cg00143364	rs79155262	T	C	-0.367	0.041	0.090	3.48E-19	-0.014	0.012	0.268	0.021	80.104	TRUE	9.99E-19
Overall COPD	RPTOR	cg00463485	rs4969444	A	G	-0.305	0.031	0.184	2.05E-23	0.011	0.009	0.213	0.026	99.360	TRUE	8.29E-23
Overall COPD	RPTOR	cg00523683	rs117209908	A	G	0.318	0.050	0.059	2.35E-10	0.033	0.015	0.025	0.011	40.126	TRUE	6.48E-10
Overall COPD	RPTOR	cg00523683	rs4969266	T	C	-0.208	0.028	0.234	5.62E-14	-0.010	0.008	0.249	0.015	56.471	TRUE	1.24E-13
Overall COPD	RPTOR	cg00523683	rs67583258	T	C	0.337	0.027	0.249	2.07E-35	0.005	0.008	0.563	0.040	154.142	TRUE	1.27E-34
Overall COPD	RPTOR	cg00704970	rs11150747	T	C	0.151	0.027	0.249	3.65E-08	0.002	0.008	0.785	0.008	30.311	TRUE	4.47E-08
Overall COPD	RPTOR	cg00704970	rs113473934	C	G	0.198	0.024	0.391	1.32E-16	-0.001	0.007	0.927	0.018	68.382	TRUE	1.99E-16
Overall COPD	RPTOR	cg00704970	rs11656061	A	G	-0.478	0.023	0.436	6.20E-94	0.013	0.007	0.058	0.103	422.505	TRUE	2.95E-89
Overall COPD	RPTOR	cg00704970	rs12952861	A	G	0.439	0.029	0.202	2.58E-52	-0.007	0.008	0.390	0.059	231.546	TRUE	9.57E-51
Overall COPD	RPTOR	cg00704970	rs149099062	A	G	1.076	0.139	0.015	1.19E-14	-0.024	0.028	0.395	0.016	59.513	TRUE	2.37E-14
Overall COPD	RPTOR	cg00704970	rs2289763	G	C	1.252	0.031	0.119	<1E-200	-0.005	0.011	0.640	0.302	1603.701	TRUE	7.74E-308
Overall COPD	RPTOR	cg00704970	rs56273414	C	T	0.269	0.033	0.146	4.98E-16	-0.011	0.012	0.333	0.017	65.767	TRUE	1.12E-15
Overall COPD	RPTOR	cg00704970	rs56859058	G	T	0.292	0.048	0.071	9.39E-10	0.000	0.014	0.990	0.010	37.427	TRUE	1.09E-09
Overall COPD	RPTOR	cg00704970	rs62068487	A	G	-0.359	0.025	0.319	1.09E-46	0.011	0.007	0.122	0.053	205.763	TRUE	4.04E-45
Overall COPD	RPTOR	cg00704970	rs7225916	G	T	0.156	0.026	0.272	3.41E-09	-0.001	0.007	0.890	0.009	34.916	TRUE	4.09E-09
Overall COPD	RPTOR	cg00704970	rs72852923	T	C	0.307	0.050	0.068	8.10E-10	-0.001	0.016	0.926	0.010	37.715	TRUE	9.74E-10
Overall COPD	RPTOR	cg00704970	rs72853711	C	T	0.266	0.037	0.115	5.17E-13	-0.016	0.011	0.134	0.014	52.111	TRUE	1.25E-12
Overall COPD	RPTOR	cg00704970	rs72857988	T	C	0.600	0.050	0.050	1.88E-33	-0.011	0.013	0.421	0.038	145.184	TRUE	1.17E-32
Overall COPD	RPTOR	cg00704970	rs8073904	G	A	0.190	0.033	0.141	9.93E-09	-0.013	0.010	0.210	0.009	32.838	TRUE	1.73E-08
Overall COPD	RPTOR	cg01432609	rs62068339	G	T	0.257	0.041	0.092	3.12E-10	-0.010	0.012	0.401	0.011	39.578	TRUE	5.03E-10
Overall COPD	RPTOR	cg01464730	rs10468605	C	T	0.806	0.021	0.407	<1E-200	0.011	0.007	0.115	0.288	1494.937	TRUE	3.25E-288
Overall COPD	RPTOR	cg01464730	rs11652074	A	G	-0.213	0.037	0.117	8.99E-09	-0.001	0.010	0.917	0.009	33.031	TRUE	1.06E-08
Overall COPD	RPTOR	cg01464730	rs11653338	T	C	-0.143	0.024	0.495	1.43E-09	-0.008	0.007	0.227	0.010	36.607	TRUE	2.57E-09
Overall COPD	RPTOR	cg01464730	rs117209908	A	G	0.489	0.050	0.059	2.89E-22	0.033	0.015	0.025	0.025	94.121	TRUE	1.91E-21
Overall COPD	RPTOR	cg01464730	rs118003029	A	G	-0.350	0.055	0.089	1.64E-10	0.014	0.012	0.255	0.011	40.831	TRUE	3.01E-10
Overall COPD	RPTOR	cg01464730	rs139980334	C	T	0.460	0.047	0.065	1.20E-22	-0.006	0.017	0.703	0.025	95.856	TRUE	2.80E-22
Overall COPD	RPTOR	cg01464730	rs35904260	G	A	-0.274	0.023	0.445	8.41E-32	-0.004	0.007	0.593	0.036	137.640	TRUE	3.82E-31
Overall COPD	RPTOR	cg01464730	rs55903842	A	G	0.398	0.051	0.059	8.52E-15	-0.007	0.016	0.671	0.016	60.179	TRUE	1.40E-14
Overall COPD	RPTOR	cg01464730	rs60720478	T	C	0.499	0.053	0.046	9.22E-21	0.009	0.017	0.619	0.023	87.276	TRUE	2.07E-20
Overall COPD	RPTOR	cg01464730	rs62070200	A	G	-0.141	0.026	0.277	3.51E-08	-0.014	0.008	0.069	0.008	30.386	TRUE	7.20E-08
Overall COPD	RPTOR	cg01464730	rs72856013	A	G	-0.358	0.036	0.120	2.06E-23	-0.013	0.010	0.201	0.026	99.346	TRUE	8.52E-23
Overall COPD	RPTOR	cg01464730	rs77591050	T	C	0.498	0.045	0.077	1.33E-28	-0.005	0.012	0.653	0.032	123.031	TRUE	4.58E-28
Overall COPD	RPTOR	cg01464730	rs9897608	T	C	-0.256	0.025	0.346	1.74E-25	-0.008	0.007	0.234	0.029	108.808	TRUE	7.81E-25
Overall COPD	RPTOR	cg01476242	rs4969443	G	A	-0.252	0.031	0.184	1.40E-16	0.010	0.009	0.219	0.018	68.267	TRUE	3.69E-16

Overall COPD	RPTOR	cg01498832	rs34177980	T	C	0.233	0.030	0.199	3.12E-15	0.010	0.009	0.239	0.017	62.158	TRUE	7.42E-15
Overall COPD	RPTOR	cg01498832	rs6565476	T	C	-0.296	0.029	0.220	3.35E-25	0.002	0.008	0.790	0.028	107.506	TRUE	8.37E-25
Overall COPD	RPTOR	cg01516792	rs11150741	G	A	0.367	0.025	0.366	4.54E-50	0.014	0.007	0.044	0.056	221.253	TRUE	3.64E-48
Overall COPD	RPTOR	cg01516792	rs117209908	A	G	0.338	0.050	0.059	2.04E-11	0.033	0.015	0.025	0.012	44.906	TRUE	6.06E-11
Overall COPD	RPTOR	cg01516792	rs118182693	G	A	-0.375	0.057	0.042	3.78E-11	-0.020	0.017	0.229	0.012	43.702	TRUE	7.34E-11
Overall COPD	RPTOR	cg01516792	rs11870398	T	C	-0.195	0.024	0.387	9.07E-16	-0.004	0.007	0.569	0.017	64.588	TRUE	1.66E-15
Overall COPD	RPTOR	cg01516792	rs144443274	T	C	0.179	0.031	0.178	6.10E-09	-0.007	0.010	0.516	0.009	33.783	TRUE	8.72E-09
Overall COPD	RPTOR	cg01561259	rs117736066	G	A	-0.305	0.041	0.088	1.55E-13	0.005	0.012	0.667	0.015	54.473	TRUE	2.42E-13
Overall COPD	RPTOR	cg01561259	rs146289225	T	C	0.478	0.073	0.057	6.13E-11	0.006	0.016	0.685	0.011	42.756	TRUE	8.60E-11
Overall COPD	RPTOR	cg01561259	rs201407779	A	G	-0.421	0.041	0.090	7.34E-25	-0.015	0.012	0.208	0.028	105.952	TRUE	3.30E-24
Overall COPD	RPTOR	cg01561259	rs3829572	G	A	-0.143	0.024	0.389	4.28E-09	0.012	0.007	0.086	0.009	34.472	TRUE	8.98E-09
Overall COPD	RPTOR	cg01561259	rs4396581	T	C	0.306	0.023	0.491	6.18E-39	-0.009	0.007	0.176	0.044	170.268	TRUE	9.12E-38
Overall COPD	RPTOR	cg01561259	rs62070201	A	G	0.316	0.044	0.069	4.97E-13	-0.024	0.013	0.076	0.014	52.187	TRUE	1.36E-12
Overall COPD	RPTOR	cg01561259	rs7221014	T	C	0.386	0.024	0.382	1.47E-58	0.000	0.007	0.976	0.066	260.167	TRUE	5.05E-57
Overall COPD	RPTOR	cg01561259	rs72853711	C	T	-0.255	0.037	0.115	4.83E-12	-0.016	0.011	0.134	0.013	47.730	TRUE	1.11E-11
Overall COPD	RPTOR	cg01886663	rs7210742	A	G	0.143	0.023	0.444	1.01E-09	0.006	0.007	0.362	0.010	37.293	TRUE	1.63E-09
Overall COPD	RPTOR	cg01886663	rs8064817	T	C	-0.315	0.032	0.168	3.20E-23	0.002	0.010	0.870	0.026	98.478	TRUE	6.75E-23
Overall COPD	RPTOR	cg01911440	rs114387751	T	C	0.259	0.043	0.081	2.54E-09	-0.002	0.011	0.859	0.010	35.488	TRUE	3.11E-09
Overall COPD	RPTOR	cg02033669	rs1468033	G	A	0.181	0.023	0.437	4.41E-15	0.014	0.007	0.045	0.016	61.473	TRUE	1.53E-14
Overall COPD	RPTOR	cg02185248	rs117117100	A	G	0.505	0.075	0.024	2.28E-11	0.025	0.018	0.179	0.012	44.694	TRUE	4.73E-11
Overall COPD	RPTOR	cg02185248	rs117209908	A	G	0.539	0.050	0.059	7.01E-27	0.033	0.015	0.025	0.030	115.168	TRUE	6.73E-26
Overall COPD	RPTOR	cg02185248	rs12452137	G	A	0.726	0.026	0.249	1.85E-169	0.005	0.008	0.545	0.172	769.529	TRUE	6.91E-158
Overall COPD	RPTOR	cg02185248	rs139062305	A	G	-0.346	0.052	0.063	2.31E-11	-0.006	0.014	0.673	0.012	44.668	TRUE	3.31E-11
Overall COPD	RPTOR	cg02185248	rs2873061	A	G	-0.319	0.024	0.367	6.46E-40	-0.008	0.007	0.233	0.045	174.754	TRUE	9.22E-39
Overall COPD	RPTOR	cg02185248	rs35832855	C	T	0.136	0.024	0.436	9.56E-09	-0.001	0.007	0.849	0.009	32.911	TRUE	1.16E-08
Overall COPD	RPTOR	cg02185248	rs56195589	C	T	0.390	0.051	0.134	1.75E-14	0.003	0.010	0.781	0.016	58.763	TRUE	2.65E-14
Overall COPD	RPTOR	cg02185248	rs62067893	T	C	0.574	0.069	0.037	1.31E-16	0.000	0.020	0.991	0.018	68.398	TRUE	1.89E-16
Overall COPD	RPTOR	cg02185248	rs6565695	T	C	-0.160	0.024	0.386	3.48E-11	-0.004	0.007	0.569	0.012	43.863	TRUE	5.26E-11
Overall COPD	RPTOR	cg02185248	rs72853735	G	A	0.331	0.036	0.118	5.00E-20	-0.012	0.010	0.240	0.022	83.935	TRUE	1.57E-19
Overall COPD	RPTOR	cg02240665	rs11150746	G	A	-0.136	0.025	0.332	4.21E-08	-0.002	0.007	0.726	0.008	30.032	TRUE	5.28E-08
Overall COPD	RPTOR	cg02240665	rs7211095	T	G	-0.203	0.024	0.456	6.34E-18	0.001	0.007	0.860	0.020	74.371	TRUE	1.05E-17
Overall COPD	RPTOR	cg02243479	rs2289762	A	G	-0.333	0.026	0.245	1.95E-36	-0.004	0.008	0.571	0.041	158.831	TRUE	1.28E-35
Overall COPD	RPTOR	cg02243479	rs2289764	C	T	0.156	0.027	0.241	1.16E-08	-0.010	0.008	0.239	0.009	32.537	TRUE	1.97E-08
Overall COPD	RPTOR	cg02251850	rs117763980	T	C	0.319	0.055	0.043	6.30E-09	-0.016	0.016	0.340	0.009	33.722	TRUE	1.00E-08
Overall COPD	RPTOR	cg02251850	rs2289762	A	G	0.573	0.026	0.245	3.66E-107	-0.004	0.008	0.571	0.116	483.260	TRUE	4.02E-102
Overall COPD	RPTOR	cg02251850	rs34781048	A	G	0.157	0.024	0.434	7.20E-11	-0.003	0.007	0.678	0.011	42.441	TRUE	1.01E-10
Overall COPD	RPTOR	cg02251850	rs62068460	T	C	-0.462	0.027	0.231	1.72E-63	-0.018	0.008	0.030	0.071	282.790	TRUE	8.58E-61
Overall COPD	RPTOR	cg02251850	rs7207052	T	C	0.240	0.043	0.196	1.89E-08	0.004	0.008	0.626	0.008	31.586	TRUE	2.51E-08
Overall COPD	RPTOR	cg02254800	rs77734083	A	G	0.830	0.089	0.018	1.51E-20	-0.001	0.023	0.953	0.023	86.305	TRUE	2.63E-20
Overall COPD	RPTOR	cg02284802	rs2589156	A	G	0.200	0.034	0.138	6.62E-09	0.020	0.010	0.059	0.009	33.625	TRUE	1.45E-08
Overall COPD	RPTOR	cg02403929	rs8082382	C	T	-0.133	0.024	0.420	2.53E-08	-0.002	0.007	0.788	0.008	31.022	TRUE	3.10E-08
Overall COPD	RPTOR	cg02671711	rs9899051	A	G	-0.242	0.024	0.464	8.88E-25	-0.004	0.007	0.534	0.028	105.575	TRUE	2.69E-24

Overall COPD	RPTOR	cg02675920	rs117429647	G	A	0.339	0.061	0.039	2.89E-08	0.020	0.018	0.245	0.008	30.765	TRUE	4.78E-08
Overall COPD	RPTOR	cg02675920	rs12943620	T	G	-0.257	0.027	0.225	3.23E-21	0.002	0.009	0.771	0.024	89.347	TRUE	6.63E-21
Overall COPD	RPTOR	cg02675920	rs28742979	G	A	-0.185	0.027	0.262	8.82E-12	0.009	0.008	0.280	0.012	46.548	TRUE	1.68E-11
Overall COPD	RPTOR	cg02675920	rs62069371	T	C	-0.859	0.041	0.084	7.96E-97	-0.015	0.012	0.220	0.105	435.785	TRUE	2.85E-92
Overall COPD	RPTOR	cg02675920	rs7207154	C	T	0.352	0.052	0.131	8.82E-12	0.004	0.010	0.666	0.012	46.550	TRUE	1.29E-11
Overall COPD	RPTOR	cg02675920	rs7209132	C	T	0.534	0.024	0.365	3.92E-108	0.012	0.007	0.091	0.116	487.715	TRUE	2.20E-102
Overall COPD	RPTOR	cg02675920	rs72853735	G	A	0.251	0.036	0.118	4.37E-12	-0.012	0.010	0.240	0.013	47.925	TRUE	8.80E-12
Overall COPD	RPTOR	cg02675920	rs74003912	A	G	0.168	0.030	0.199	1.35E-08	0.010	0.009	0.276	0.009	32.248	TRUE	2.21E-08
Overall COPD	RPTOR	cg02675920	rs9902224	G	A	0.224	0.024	0.480	1.71E-21	0.003	0.007	0.690	0.024	90.604	TRUE	3.78E-21
Overall COPD	RPTOR	cg02878831	rs11868966	C	A	-0.270	0.032	0.167	2.25E-17	0.003	0.010	0.747	0.019	71.872	TRUE	3.92E-17
Overall COPD	RPTOR	cg02878831	rs4969306	C	T	0.150	0.025	0.317	2.32E-09	0.011	0.007	0.124	0.010	35.661	TRUE	4.65E-09
Overall COPD	RPTOR	cg03052541	rs2271610	G	C	0.235	0.033	0.135	1.27E-12	0.002	0.010	0.827	0.013	50.351	TRUE	1.75E-12
Overall COPD	RPTOR	cg03052541	rs6565502	G	A	-0.379	0.024	0.394	2.01E-57	-0.003	0.007	0.705	0.064	254.959	TRUE	8.45E-56
Overall COPD	RPTOR	cg03052541	rs868432	A	G	-0.172	0.023	0.444	8.35E-14	-0.023	0.007	0.002	0.015	55.691	TRUE	4.31E-13
Overall COPD	RPTOR	cg03443590	rs10468605	C	T	0.865	0.019	0.407	<1E-200	0.011	0.007	0.115	0.351	2002.666	TRUE	<1E-200
Overall COPD	RPTOR	cg03443590	rs113059224	A	G	-0.444	0.043	0.070	4.02E-25	-0.018	0.012	0.117	0.028	107.142	TRUE	2.23E-24
Overall COPD	RPTOR	cg03443590	rs11651724	A	G	-0.279	0.037	0.117	4.75E-14	0.000	0.010	0.963	0.015	56.798	TRUE	6.37E-14
Overall COPD	RPTOR	cg03443590	rs11653338	T	C	-0.216	0.024	0.495	3.65E-20	-0.008	0.007	0.227	0.022	84.557	TRUE	1.17E-19
Overall COPD	RPTOR	cg03443590	rs117209908	A	G	0.422	0.050	0.059	5.39E-17	0.033	0.015	0.025	0.019	70.150	TRUE	2.39E-16
Overall COPD	RPTOR	cg03443590	rs2340773	T	C	-0.224	0.037	0.116	2.02E-09	0.024	0.011	0.022	0.010	35.933	TRUE	5.31E-09
Overall COPD	RPTOR	cg03443590	rs35904260	G	A	-0.403	0.023	0.445	1.87E-68	-0.004	0.007	0.593	0.076	305.556	TRUE	3.54E-66
Overall COPD	RPTOR	cg03443590	rs56043926	A	G	0.568	0.053	0.046	1.93E-26	0.009	0.017	0.604	0.030	113.157	TRUE	6.08E-26
Overall COPD	RPTOR	cg03443590	rs62068299	G	A	0.459	0.041	0.091	2.04E-29	-0.014	0.012	0.257	0.033	126.744	TRUE	1.17E-28
Overall COPD	RPTOR	cg03443590	rs62069420	A	T	0.404	0.052	0.058	5.52E-15	-0.006	0.016	0.697	0.016	61.034	TRUE	8.97E-15
Overall COPD	RPTOR	cg03443590	rs72856013	A	G	-0.450	0.036	0.120	3.01E-36	-0.013	0.010	0.201	0.041	157.973	TRUE	3.31E-35
Overall COPD	RPTOR	cg03443590	rs77591050	T	C	0.558	0.045	0.077	1.36E-35	-0.005	0.012	0.653	0.040	154.979	TRUE	7.67E-35
Overall COPD	RPTOR	cg03502601	rs113473934	C	G	0.204	0.024	0.391	1.36E-17	-0.001	0.007	0.927	0.019	72.872	TRUE	2.12E-17
Overall COPD	RPTOR	cg03502601	rs11656246	A	G	-0.356	0.027	0.241	6.48E-41	-0.005	0.008	0.487	0.046	179.325	TRUE	6.84E-40
Overall COPD	RPTOR	cg03502601	rs12948647	A	G	0.284	0.046	0.125	4.87E-10	-0.008	0.010	0.430	0.010	38.709	TRUE	7.65E-10
Overall COPD	RPTOR	cg03502601	rs12952861	A	G	0.445	0.029	0.202	1.26E-53	-0.007	0.008	0.390	0.060	237.551	TRUE	5.41E-52
Overall COPD	RPTOR	cg03502601	rs149099062	A	G	1.045	0.139	0.015	6.65E-14	-0.024	0.028	0.395	0.015	56.138	TRUE	1.27E-13
Overall COPD	RPTOR	cg03502601	rs2289764	C	T	1.143	0.020	0.241	<1E-200	-0.010	0.008	0.239	0.469	3272.956	TRUE	<1E-200
Overall COPD	RPTOR	cg03502601	rs56273414	C	T	0.238	0.033	0.146	7.30E-13	-0.011	0.012	0.333	0.014	51.434	TRUE	1.40E-12
Overall COPD	RPTOR	cg03502601	rs62067893	T	C	0.393	0.070	0.037	1.65E-08	0.000	0.020	0.991	0.009	31.852	TRUE	1.86E-08
Overall COPD	RPTOR	cg03502601	rs62068487	A	G	-0.342	0.025	0.319	2.59E-42	0.011	0.007	0.122	0.048	185.725	TRUE	6.13E-41
Overall COPD	RPTOR	cg03502601	rs7217223	T	C	0.169	0.026	0.297	6.69E-11	-0.003	0.007	0.699	0.011	42.583	TRUE	9.31E-11
Overall COPD	RPTOR	cg03502601	rs72852923	T	C	0.310	0.050	0.068	5.81E-10	-0.001	0.016	0.926	0.010	38.364	TRUE	7.01E-10
Overall COPD	RPTOR	cg03502601	rs72859646	T	C	0.645	0.068	0.026	2.96E-21	-0.014	0.020	0.473	0.024	89.521	TRUE	7.73E-21
Overall COPD	RPTOR	cg03502601	rs77183052	A	G	1.147	0.170	0.012	1.39E-11	0.008	0.023	0.726	0.012	45.658	TRUE	1.95E-11
Overall COPD	RPTOR	cg03502601	rs908235	A	G	-0.199	0.031	0.191	8.73E-11	-0.014	0.009	0.140	0.011	42.065	TRUE	1.85E-10
Overall COPD	RPTOR	cg03513049	rs112356065	G	T	0.177	0.028	0.224	3.83E-10	0.014	0.008	0.085	0.010	39.174	TRUE	8.59E-10
Overall COPD	RPTOR	cg03513049	rs1131609	A	G	-0.251	0.027	0.243	4.09E-21	0.002	0.009	0.771	0.023	88.884	TRUE	8.34E-21

Overall COPD	RPTOR	cg03513049	rs2291360	A	G	0.222	0.025	0.367	3.44E-19	0.014	0.007	0.044	0.021	80.125	TRUE	1.60E-18
Overall COPD	RPTOR	cg03513049	rs28742979	G	A	-0.245	0.027	0.262	1.34E-19	0.009	0.008	0.280	0.022	81.989	TRUE	3.88E-19
Overall COPD	RPTOR	cg03513049	rs58691767	T	C	-1.137	0.040	0.084	7.76E-178	-0.015	0.012	0.236	0.179	808.036	TRUE	8.58E-165
Overall COPD	RPTOR	cg03513049	rs9895714	C	A	0.229	0.023	0.426	5.87E-23	0.003	0.007	0.632	0.026	97.277	TRUE	1.47E-22
Overall COPD	RPTOR	cg03533386	rs11652074	A	G	-0.287	0.036	0.117	3.79E-15	-0.001	0.010	0.917	0.016	61.773	TRUE	5.42E-15
Overall COPD	RPTOR	cg03533386	rs72853711	C	T	0.201	0.036	0.115	3.12E-08	-0.016	0.011	0.134	0.008	30.617	TRUE	5.76E-08
Overall COPD	RPTOR	cg03533386	rs8064620	T	G	-0.136	0.024	0.382	1.20E-08	0.000	0.007	0.997	0.009	32.473	TRUE	1.35E-08
Overall COPD	RPTOR	cg03641032	rs113335931	G	A	-0.393	0.032	0.150	3.37E-34	0.003	0.010	0.730	0.039	148.601	TRUE	1.59E-33
Overall COPD	RPTOR	cg03641032	rs2672878	T	C	0.260	0.026	0.263	3.34E-23	-0.002	0.007	0.742	0.026	98.395	TRUE	7.76E-23
Overall COPD	RPTOR	cg03641032	rs2878052	A	G	0.898	0.025	0.228	7.37E-287	-0.010	0.008	0.213	0.261	1309.351	TRUE	3.09E-256
Overall COPD	RPTOR	cg03641032	rs4969285	G	C	-0.409	0.025	0.333	1.41E-61	0.000	0.007	0.946	0.069	274.007	TRUE	7.10E-60
Overall COPD	RPTOR	cg03641032	rs547581211	A	T	0.330	0.059	0.036	1.92E-08	0.006	0.016	0.733	0.008	31.560	TRUE	2.42E-08
Overall COPD	RPTOR	cg03641032	rs56960771	T	C	0.181	0.025	0.310	8.09E-13	-0.006	0.008	0.415	0.014	51.233	TRUE	1.45E-12
Overall COPD	RPTOR	cg03641032	rs62068550	A	G	-0.691	0.034	0.143	9.41E-93	0.022	0.012	0.063	0.101	417.081	TRUE	3.46E-88
Overall COPD	RPTOR	cg03641032	rs74004829	C	T	0.401	0.043	0.092	1.99E-20	-0.002	0.011	0.873	0.023	85.758	TRUE	3.64E-20
Overall COPD	RPTOR	cg03641032	rs868432	A	G	0.773	0.020	0.444	<1E-200	-0.023	0.007	0.002	0.281	1443.188	TRUE	6.85E-278
Overall COPD	RPTOR	cg03641032	rs9897319	A	G	0.377	0.025	0.354	3.13E-52	-0.006	0.007	0.440	0.059	231.158	TRUE	1.07E-50
Overall COPD	RPTOR	cg03641032	rs9897437	C	A	-0.627	0.033	0.131	1.98E-78	-0.006	0.010	0.555	0.087	351.330	TRUE	1.62E-75
Overall COPD	RPTOR	cg03794617	rs11150745	G	A	-0.338	0.025	0.314	1.48E-41	-0.005	0.007	0.469	0.047	182.257	TRUE	1.70E-40
Overall COPD	RPTOR	cg03794617	rs11655574	A	G	0.153	0.025	0.361	1.00E-09	0.012	0.007	0.100	0.010	37.300	TRUE	2.13E-09
Overall COPD	RPTOR	cg03794617	rs28377011	C	T	-0.231	0.042	0.082	3.90E-08	-0.009	0.013	0.456	0.008	30.181	TRUE	5.59E-08
Overall COPD	RPTOR	cg03794617	rs4969424	A	C	0.518	0.037	0.117	1.19E-45	0.023	0.011	0.030	0.052	201.019	TRUE	6.65E-44
Overall COPD	RPTOR	cg03794617	rs62070202	T	C	-0.292	0.042	0.079	3.32E-12	0.012	0.014	0.377	0.013	48.462	TRUE	5.96E-12
Overall COPD	RPTOR	cg03794617	rs7210110	A	G	-0.385	0.029	0.200	2.10E-39	0.009	0.009	0.300	0.045	172.412	TRUE	2.53E-38
Overall COPD	RPTOR	cg03794617	rs8069320	C	A	-0.169	0.024	0.490	8.73E-13	-0.003	0.007	0.694	0.014	51.083	TRUE	1.30E-12
Overall COPD	RPTOR	cg03890538	rs11658452	G	A	0.318	0.027	0.244	4.17E-32	-0.001	0.008	0.928	0.036	139.033	TRUE	1.42E-31
Overall COPD	RPTOR	cg03890538	rs1468032	T	A	-0.150	0.025	0.340	1.06E-09	-0.005	0.007	0.511	0.010	37.182	TRUE	1.57E-09
Overall COPD	RPTOR	cg03890538	rs34048269	A	G	0.213	0.030	0.205	6.71E-13	-0.005	0.008	0.521	0.014	51.600	TRUE	1.12E-12
Overall COPD	RPTOR	cg04191427	rs11150746	G	A	0.239	0.025	0.332	5.44E-22	-0.002	0.007	0.726	0.024	92.872	TRUE	1.20E-21
Overall COPD	RPTOR	cg04191427	rs62067889	G	C	-0.180	0.030	0.199	1.27E-09	0.010	0.009	0.234	0.010	36.843	TRUE	2.27E-09
Overall COPD	RPTOR	cg04295549	rs2340773	T	C	-0.355	0.037	0.116	3.64E-22	0.024	0.011	0.022	0.025	93.665	TRUE	2.47E-21
Overall COPD	RPTOR	cg04295549	rs62648832	G	A	-0.148	0.023	0.440	1.31E-10	0.004	0.007	0.581	0.011	41.273	TRUE	1.92E-10
Overall COPD	RPTOR	cg04658243	rs1128687	C	T	-0.138	0.024	0.420	4.36E-09	-0.007	0.007	0.311	0.009	34.436	TRUE	7.14E-09
Overall COPD	RPTOR	cg04658243	rs11868966	C	A	1.049	0.028	0.167	<1E-200	0.003	0.010	0.747	0.280	1441.589	TRUE	3.54E-280
Overall COPD	RPTOR	cg04658243	rs149099062	A	G	0.951	0.140	0.015	9.65E-12	-0.024	0.028	0.395	0.012	46.372	TRUE	1.67E-11
Overall COPD	RPTOR	cg04658243	rs55993113	G	A	0.156	0.028	0.219	2.67E-08	0.004	0.009	0.642	0.008	30.916	TRUE	3.50E-08
Overall COPD	RPTOR	cg04658243	rs56273414	C	T	0.238	0.033	0.146	8.54E-13	-0.011	0.012	0.333	0.014	51.127	TRUE	1.63E-12
Overall COPD	RPTOR	cg04658243	rs62067893	T	C	0.402	0.070	0.037	7.66E-09	0.000	0.020	0.991	0.009	33.343	TRUE	8.71E-09
Overall COPD	RPTOR	cg04658243	rs62068487	A	G	-0.254	0.025	0.319	8.99E-24	0.011	0.007	0.122	0.027	100.990	TRUE	4.45E-23
Overall COPD	RPTOR	cg04658243	rs7208823	G	A	0.163	0.028	0.247	3.66E-09	0.005	0.008	0.507	0.009	34.780	TRUE	5.30E-09
Overall COPD	RPTOR	cg04658243	rs7502841	A	G	0.380	0.027	0.232	5.45E-44	-0.007	0.008	0.390	0.050	193.406	TRUE	8.69E-43
Overall COPD	RPTOR	cg04662369	rs11150747	T	C	-0.331	0.027	0.249	3.22E-34	0.002	0.008	0.785	0.039	148.692	TRUE	1.44E-33

Overall COPD	RPTOR	cg04662369	rs11651724	A	G	-0.466	0.037	0.117	7.94E-37	0.000	0.010	0.963	0.042	160.617	TRUE	3.65E-36
Overall COPD	RPTOR	cg04662369	rs117209908	A	G	-0.530	0.050	0.059	5.47E-26	0.033	0.015	0.025	0.029	111.096	TRUE	4.88E-25
Overall COPD	RPTOR	cg04662369	rs118107399	T	C	1.294	0.148	0.014	1.96E-18	-0.017	0.033	0.611	0.020	76.684	TRUE	3.95E-18
Overall COPD	RPTOR	cg04662369	rs12949279	C	T	0.869	0.018	0.440	<1E-200	0.003	0.007	0.624	0.374	2211.170	TRUE	<1E-200
Overall COPD	RPTOR	cg04662369	rs2340772	C	A	1.156	0.034	0.117	4.08E-249	0.023	0.011	0.030	0.235	1135.772	TRUE	1.58E-224
Overall COPD	RPTOR	cg04662369	rs28364735	C	T	-0.242	0.025	0.280	1.55E-21	-0.011	0.007	0.130	0.024	90.798	TRUE	6.47E-21
Overall COPD	RPTOR	cg04662369	rs4453556	G	A	0.133	0.024	0.417	2.18E-08	0.004	0.007	0.569	0.008	31.311	TRUE	2.97E-08
Overall COPD	RPTOR	cg04662369	rs4969282	T	G	0.198	0.033	0.139	2.90E-09	0.009	0.010	0.395	0.009	35.232	TRUE	4.51E-09
Overall COPD	RPTOR	cg04662369	rs4969427	A	G	-0.325	0.031	0.179	3.13E-26	0.002	0.009	0.801	0.029	112.203	TRUE	8.22E-26
Overall COPD	RPTOR	cg04662369	rs56111062	G	A	-0.344	0.024	0.379	4.48E-47	-0.007	0.007	0.349	0.053	207.536	TRUE	1.03E-45
Overall COPD	RPTOR	cg04662369	rs62067893	T	C	-0.666	0.069	0.037	6.76E-22	0.000	0.020	0.991	0.024	92.441	TRUE	1.22E-21
Overall COPD	RPTOR	cg04662369	rs72856006	G	C	-0.415	0.036	0.120	4.06E-31	-0.012	0.010	0.240	0.035	134.516	TRUE	2.73E-30
Overall COPD	RPTOR	cg04662369	rs72858264	C	A	0.497	0.066	0.031	5.47E-14	-0.019	0.022	0.377	0.015	56.521	TRUE	1.07E-13
Overall COPD	RPTOR	cg04789650	rs113059224	A	G	-0.273	0.043	0.070	2.52E-10	-0.018	0.012	0.117	0.011	39.994	TRUE	5.39E-10
Overall COPD	RPTOR	cg04789650	rs11548824	A	G	-0.247	0.034	0.154	1.81E-13	-0.007	0.009	0.397	0.014	54.171	TRUE	3.39E-13
Overall COPD	RPTOR	cg04789650	rs117763980	T	C	-0.481	0.055	0.043	1.62E-18	-0.016	0.016	0.340	0.020	77.061	TRUE	4.14E-18
Overall COPD	RPTOR	cg04789650	rs139078473	A	G	-0.341	0.051	0.052	2.64E-11	0.008	0.015	0.615	0.012	44.407	TRUE	3.90E-11
Overall COPD	RPTOR	cg04789650	rs2004184	C	T	-0.401	0.026	0.265	4.39E-54	-0.003	0.007	0.701	0.061	239.651	TRUE	1.29E-52
Overall COPD	RPTOR	cg04789650	rs34781048	A	G	-0.331	0.024	0.434	6.33E-44	-0.003	0.007	0.678	0.050	193.107	TRUE	6.98E-43
Overall COPD	RPTOR	cg04789650	rs4969300	A	G	0.593	0.035	0.120	7.28E-65	0.000	0.011	0.981	0.072	289.083	TRUE	5.20E-63
Overall COPD	RPTOR	cg04789650	rs55803650	A	C	-0.525	0.092	0.017	1.29E-08	0.000	0.024	0.987	0.009	32.325	TRUE	1.47E-08
Overall COPD	RPTOR	cg04789650	rs56960771	T	C	-0.199	0.025	0.310	3.14E-15	-0.006	0.008	0.415	0.017	62.145	TRUE	6.29E-15
Overall COPD	RPTOR	cg04789650	rs67198902	G	T	-0.277	0.031	0.186	1.58E-19	-0.018	0.009	0.051	0.022	81.666	TRUE	7.27E-19
Overall COPD	RPTOR	cg04789650	rs7225241	T	C	-0.216	0.035	0.137	5.12E-10	0.031	0.012	0.009	0.010	38.609	TRUE	1.58E-09
Overall COPD	RPTOR	cg04789650	rs72850576	A	C	0.226	0.033	0.155	5.05E-12	0.005	0.011	0.676	0.013	47.641	TRUE	7.41E-12
Overall COPD	RPTOR	cg04789650	rs7503237	G	A	0.852	0.020	0.449	<1E-200	0.007	0.007	0.274	0.340	1908.217	TRUE	<1E-200
Overall COPD	RPTOR	cg05064567	rs11656061	A	G	0.209	0.024	0.436	2.06E-18	0.013	0.007	0.058	0.020	76.592	TRUE	8.53E-18
Overall COPD	RPTOR	cg05064567	rs12952861	A	G	-0.248	0.029	0.202	1.80E-17	-0.007	0.008	0.390	0.019	72.315	TRUE	4.13E-17
Overall COPD	RPTOR	cg05064567	rs2289766	G	A	-0.904	0.030	0.167	4.19E-196	0.002	0.010	0.869	0.194	892.018	TRUE	2.42E-181
Overall COPD	RPTOR	cg05064567	rs4969307	C	G	-0.166	0.025	0.357	1.46E-11	-0.009	0.007	0.196	0.012	45.556	TRUE	3.01E-11
Overall COPD	RPTOR	cg05064567	rs6565489	A	C	-0.204	0.024	0.455	4.86E-18	-0.004	0.007	0.595	0.020	74.896	TRUE	9.71E-18
Overall COPD	RPTOR	cg05064567	rs9912092	G	A	-0.222	0.023	0.499	7.63E-22	0.010	0.007	0.159	0.024	92.201	TRUE	3.06E-21
Overall COPD	RPTOR	cg05098037	rs11150745	G	A	-0.281	0.025	0.314	7.03E-29	-0.005	0.007	0.469	0.033	124.293	TRUE	2.96E-28
Overall COPD	RPTOR	cg05098037	rs11655574	A	G	0.172	0.025	0.361	6.74E-12	0.012	0.007	0.100	0.013	47.075	TRUE	1.63E-11
Overall COPD	RPTOR	cg05098037	rs118107399	T	C	0.937	0.149	0.014	2.83E-10	-0.017	0.033	0.611	0.011	39.764	TRUE	4.04E-10
Overall COPD	RPTOR	cg05098037	rs12940318	T	C	-0.214	0.024	0.431	1.87E-19	-0.013	0.008	0.128	0.022	81.323	TRUE	6.84E-19
Overall COPD	RPTOR	cg05098037	rs35926934	A	G	0.882	0.036	0.117	1.62E-135	-0.023	0.011	0.030	0.142	613.522	TRUE	7.90E-127
Overall COPD	RPTOR	cg05098037	rs62070202	T	C	-0.257	0.042	0.079	9.38E-10	0.012	0.014	0.377	0.010	37.430	TRUE	1.51E-09
Overall COPD	RPTOR	cg05098037	rs734338	A	G	-0.187	0.023	0.497	1.34E-15	-0.003	0.007	0.703	0.017	63.817	TRUE	2.23E-15
Overall COPD	RPTOR	cg05337636	rs10468603	C	T	-0.268	0.024	0.413	2.45E-29	0.009	0.007	0.176	0.033	126.378	TRUE	1.62E-28
Overall COPD	RPTOR	cg05337636	rs11150746	G	A	-0.164	0.025	0.332	3.86E-11	-0.002	0.007	0.726	0.012	43.659	TRUE	5.34E-11
Overall COPD	RPTOR	cg05337636	rs12948054	T	C	0.240	0.040	0.091	1.37E-09	-0.009	0.011	0.406	0.010	36.695	TRUE	2.14E-09

Overall COPD	RPTOR	cg05395366	rs2271607	C	T	0.417	0.029	0.220	4.17E-48	-0.009	0.008	0.264	0.054	212.258	TRUE	1.24E-46
Overall COPD	RPTOR	cg05651511	rs117429647	G	A	-0.369	0.061	0.039	1.41E-09	0.020	0.018	0.245	0.010	36.634	TRUE	2.49E-09
Overall COPD	RPTOR	cg05651511	rs12942109	G	A	0.237	0.024	0.417	7.45E-24	0.011	0.007	0.091	0.027	101.363	TRUE	4.04E-23
Overall COPD	RPTOR	cg05651511	rs72858219	A	G	-0.218	0.029	0.212	1.93E-14	0.002	0.008	0.773	0.016	58.572	TRUE	2.93E-14
Overall COPD	RPTOR	cg05651511	rs8080789	A	G	0.360	0.037	0.118	7.36E-23	0.024	0.011	0.023	0.026	96.829	TRUE	5.21E-22
Overall COPD	RPTOR	cg05651511	rs9893680	G	T	-0.160	0.024	0.383	3.76E-11	0.000	0.007	0.949	0.012	43.713	TRUE	4.64E-11
Overall COPD	RPTOR	cg05651511	rs9894401	A	G	-0.395	0.027	0.255	1.31E-48	0.006	0.008	0.460	0.055	214.566	TRUE	2.97E-47
Overall COPD	RPTOR	cg05774614	rs1128687	C	T	-0.181	0.024	0.420	1.53E-14	-0.007	0.007	0.311	0.016	59.027	TRUE	3.26E-14
Overall COPD	RPTOR	cg05774614	rs113714895	T	C	-0.270	0.043	0.080	2.67E-10	-0.017	0.012	0.135	0.011	39.880	TRUE	5.54E-10
Overall COPD	RPTOR	cg05774614	rs11653179	A	G	0.169	0.031	0.174	3.72E-08	0.001	0.009	0.932	0.008	30.273	TRUE	4.27E-08
Overall COPD	RPTOR	cg05774614	rs11656246	A	G	-0.446	0.026	0.241	4.04E-64	-0.005	0.008	0.487	0.072	285.669	TRUE	5.13E-62
Overall COPD	RPTOR	cg05774614	rs12948647	A	G	0.306	0.046	0.125	2.09E-11	-0.008	0.010	0.430	0.012	44.864	TRUE	3.47E-11
Overall COPD	RPTOR	cg05774614	rs12952861	A	G	0.407	0.029	0.202	5.30E-45	-0.007	0.008	0.390	0.051	198.040	TRUE	9.32E-44
Overall COPD	RPTOR	cg05774614	rs149099062	A	G	1.173	0.139	0.015	3.43E-17	-0.024	0.028	0.395	0.019	71.043	TRUE	7.72E-17
Overall COPD	RPTOR	cg05774614	rs2289764	C	T	0.960	0.024	0.241	<1E-200	-0.010	0.008	0.239	0.310	1660.882	TRUE	<1E-200
Overall COPD	RPTOR	cg05774614	rs56068957	C	A	0.142	0.024	0.470	1.84E-09	-0.007	0.007	0.322	0.010	36.116	TRUE	3.04E-09
Overall COPD	RPTOR	cg05774614	rs56273414	C	T	0.256	0.033	0.146	1.33E-14	-0.011	0.012	0.333	0.016	59.297	TRUE	2.79E-14
Overall COPD	RPTOR	cg05774614	rs62068550	A	G	-0.256	0.035	0.143	1.37E-13	0.022	0.012	0.063	0.015	54.724	TRUE	4.02E-13
Overall COPD	RPTOR	cg05774614	rs72853711	C	T	0.244	0.037	0.115	3.38E-11	-0.016	0.011	0.134	0.012	43.919	TRUE	7.39E-11
Overall COPD	RPTOR	cg05774614	rs75856682	T	C	0.539	0.085	0.044	2.75E-10	-0.022	0.016	0.165	0.011	39.825	TRUE	5.47E-10
Overall COPD	RPTOR	cg05774614	rs8073904	G	A	0.187	0.033	0.141	1.92E-08	-0.013	0.010	0.210	0.008	31.557	TRUE	3.31E-08
Overall COPD	RPTOR	cg05774614	rs908236	C	G	0.306	0.025	0.351	9.72E-36	-0.009	0.007	0.196	0.040	155.641	TRUE	1.03E-34
Overall COPD	RPTOR	cg05774614	rs9897319	A	G	-0.190	0.025	0.354	4.06E-14	-0.006	0.007	0.440	0.015	57.108	TRUE	7.58E-14
Overall COPD	RPTOR	cg06153925	rs114101526	T	C	-0.263	0.042	0.085	5.37E-10	-0.019	0.013	0.152	0.010	38.517	TRUE	1.07E-09
Overall COPD	RPTOR	cg06153925	rs118107399	T	C	1.323	0.148	0.014	3.16E-19	-0.017	0.033	0.611	0.021	80.291	TRUE	6.62E-19
Overall COPD	RPTOR	cg06153925	rs11869626	C	A	0.161	0.023	0.476	5.68E-12	0.010	0.007	0.142	0.013	47.413	TRUE	1.28E-11
Overall COPD	RPTOR	cg06153925	rs2004184	C	T	-0.157	0.026	0.265	2.17E-09	-0.003	0.007	0.701	0.010	35.796	TRUE	2.87E-09
Overall COPD	RPTOR	cg06153925	rs2672901	T	C	0.380	0.024	0.353	2.88E-55	-0.007	0.007	0.359	0.062	245.074	TRUE	1.56E-53
Overall COPD	RPTOR	cg06153925	rs72853745	T	C	-0.357	0.036	0.118	3.69E-23	-0.012	0.010	0.240	0.026	98.193	TRUE	1.41E-22
Overall COPD	RPTOR	cg06153925	rs72855137	A	G	-0.182	0.029	0.197	5.75E-10	-0.008	0.008	0.318	0.010	38.385	TRUE	9.74E-10
Overall COPD	RPTOR	cg06153925	rs72858219	A	G	-0.306	0.028	0.212	5.82E-27	0.002	0.008	0.773	0.030	115.534	TRUE	1.64E-26
Overall COPD	RPTOR	cg06153925	rs72859613	T	C	0.517	0.073	0.020	1.52E-12	-0.008	0.022	0.716	0.013	49.991	TRUE	2.23E-12
Overall COPD	RPTOR	cg06153925	rs76584516	G	A	1.207	0.032	0.118	<1E-200	0.026	0.011	0.019	0.277	1416.642	TRUE	5.38E-274
Overall COPD	RPTOR	cg06153925	rs8069962	G	A	0.148	0.023	0.471	2.27E-10	0.001	0.007	0.927	0.011	40.198	TRUE	2.77E-10
Overall COPD	RPTOR	cg06153925	rs9894401	A	G	-0.465	0.027	0.255	1.46E-67	0.006	0.008	0.460	0.075	301.459	TRUE	3.03E-65
Overall COPD	RPTOR	cg06153925	rs9895714	C	A	0.360	0.023	0.426	3.31E-55	0.003	0.007	0.632	0.062	244.799	TRUE	1.19E-53
Overall COPD	RPTOR	cg06154633	rs11653319	T	C	-0.150	0.027	0.291	3.47E-08	-0.019	0.009	0.036	0.008	30.408	TRUE	7.81E-08
Overall COPD	RPTOR	cg06154633	rs12944674	A	G	-0.226	0.025	0.326	7.60E-20	-0.001	0.008	0.871	0.022	83.106	TRUE	1.36E-19
Overall COPD	RPTOR	cg06154633	rs2589129	A	G	-0.381	0.023	0.487	2.43E-62	-0.013	0.007	0.076	0.070	277.507	TRUE	7.10E-60
Overall COPD	RPTOR	cg06154633	rs77183052	A	G	-1.207	0.170	0.012	1.07E-12	0.008	0.023	0.726	0.014	50.687	TRUE	1.56E-12
Overall COPD	RPTOR	cg06154633	rs9897319	A	G	-0.145	0.025	0.354	7.92E-09	-0.006	0.007	0.440	0.009	33.277	TRUE	1.18E-08
Overall COPD	RPTOR	cg06343673	rs12943620	T	G	0.163	0.027	0.225	2.28E-09	0.002	0.009	0.771	0.010	35.700	TRUE	2.91E-09

Overall COPD	RPTOR	cg06343673	rs2090204	T	G	0.250	0.033	0.132	3.97E-14	-0.001	0.010	0.896	0.015	57.154	TRUE	5.54E-14
Overall COPD	RPTOR	cg06343673	rs35327093	T	C	0.214	0.029	0.209	2.04E-13	0.008	0.009	0.380	0.014	53.937	TRUE	3.86E-13
Overall COPD	RPTOR	cg06343673	rs61735242	T	C	-0.399	0.039	0.103	1.22E-24	0.001	0.011	0.949	0.028	104.938	TRUE	2.62E-24
Overall COPD	RPTOR	cg06343673	rs72849959	C	A	-0.819	0.059	0.044	7.30E-44	-0.016	0.016	0.302	0.050	192.825	TRUE	1.33E-42
Overall COPD	RPTOR	cg06343673	rs72853728	C	T	-0.260	0.034	0.144	8.28E-15	0.005	0.010	0.641	0.016	60.234	TRUE	1.39E-14
Overall COPD	RPTOR	cg06412669	rs11150746	G	A	0.196	0.025	0.332	3.07E-15	-0.002	0.007	0.726	0.017	62.190	TRUE	4.94E-15
Overall COPD	RPTOR	cg06412669	rs4969425	A	G	-0.278	0.025	0.320	2.13E-28	-0.010	0.007	0.165	0.032	122.095	TRUE	1.34E-27
Overall COPD	RPTOR	cg06418238	rs114177791	T	G	-0.333	0.028	0.215	7.55E-32	-0.005	0.009	0.580	0.036	137.855	TRUE	3.49E-31
Overall COPD	RPTOR	cg06418238	rs117117100	A	G	-0.425	0.076	0.024	1.76E-08	0.025	0.018	0.179	0.009	31.730	TRUE	3.13E-08
Overall COPD	RPTOR	cg06418238	rs117209908	A	G	-0.407	0.050	0.059	6.64E-16	0.033	0.015	0.025	0.017	65.202	TRUE	2.72E-15
Overall COPD	RPTOR	cg06418238	rs118107399	T	C	1.423	0.147	0.014	4.69E-22	-0.017	0.033	0.611	0.025	93.163	TRUE	1.14E-21
Overall COPD	RPTOR	cg06418238	rs11869626	C	A	0.180	0.023	0.476	1.51E-14	0.010	0.007	0.142	0.016	59.050	TRUE	3.96E-14
Overall COPD	RPTOR	cg06418238	rs2672901	T	C	0.423	0.024	0.353	1.22E-68	-0.007	0.007	0.359	0.076	306.412	TRUE	3.49E-66
Overall COPD	RPTOR	cg06418238	rs4561525	A	G	-0.162	0.030	0.192	4.44E-08	-0.009	0.008	0.301	0.008	29.931	TRUE	6.98E-08
Overall COPD	RPTOR	cg06418238	rs60513142	A	G	-0.516	0.027	0.249	2.92E-82	0.004	0.008	0.569	0.091	368.911	TRUE	4.17E-79
Overall COPD	RPTOR	cg06418238	rs72853719	T	C	-0.279	0.042	0.090	2.69E-11	-0.010	0.013	0.444	0.012	44.369	TRUE	4.41E-11
Overall COPD	RPTOR	cg06418238	rs72856013	A	G	-0.347	0.036	0.120	4.06E-22	-0.013	0.010	0.201	0.025	93.449	TRUE	1.54E-21
Overall COPD	RPTOR	cg06418238	rs72859613	T	C	0.515	0.073	0.020	1.79E-12	-0.008	0.022	0.716	0.013	49.674	TRUE	2.61E-12
Overall COPD	RPTOR	cg06418238	rs76584516	G	A	1.319	0.031	0.118	<1E-200	0.026	0.011	0.019	0.327	1796.694	TRUE	<1E-200
Overall COPD	RPTOR	cg06418238	rs8069962	G	A	0.209	0.023	0.471	1.99E-19	0.001	0.007	0.927	0.021	81.209	TRUE	3.35E-19
Overall COPD	RPTOR	cg06418238	rs9895714	C	A	0.383	0.023	0.426	8.58E-63	0.003	0.007	0.632	0.070	279.584	TRUE	7.46E-61
Overall COPD	RPTOR	cg06443231	rs1471791	A	G	-0.218	0.029	0.199	7.59E-14	0.010	0.009	0.240	0.015	55.878	TRUE	1.68E-13
Overall COPD	RPTOR	cg06469955	rs11150762	T	C	-0.240	0.031	0.166	9.34E-15	-0.010	0.011	0.361	0.016	59.999	TRUE	1.92E-14
Overall COPD	RPTOR	cg06469955	rs1137045	G	A	-0.142	0.023	0.472	7.53E-10	0.011	0.008	0.164	0.010	37.857	TRUE	1.47E-09
Overall COPD	RPTOR	cg06469955	rs4969285	G	C	-0.163	0.025	0.333	1.02E-10	0.000	0.007	0.946	0.011	41.753	TRUE	1.25E-10
Overall COPD	RPTOR	cg06469955	rs4969303	A	G	-1.063	0.030	0.132	3.05E-273	-0.005	0.010	0.607	0.252	1246.728	TRUE	8.62E-246
Overall COPD	RPTOR	cg06469955	rs72857988	T	C	-0.403	0.050	0.050	8.41E-16	-0.011	0.013	0.421	0.017	64.737	TRUE	1.73E-15
Overall COPD	RPTOR	cg06469955	rs868432	A	G	0.331	0.023	0.444	2.37E-46	-0.023	0.007	0.002	0.052	204.219	TRUE	3.11E-44
Overall COPD	RPTOR	cg06469955	rs9897841	C	T	0.220	0.024	0.498	1.93E-20	-0.004	0.007	0.607	0.023	85.815	TRUE	4.31E-20
Overall COPD	RPTOR	cg06469955	rs9915393	G	C	0.292	0.027	0.258	1.38E-27	-0.009	0.008	0.262	0.031	118.384	TRUE	6.90E-27
Overall COPD	RPTOR	cg06617879	rs2289762	A	G	0.357	0.026	0.245	1.47E-41	-0.004	0.008	0.571	0.047	182.280	TRUE	1.48E-40
Overall COPD	RPTOR	cg06617879	rs868432	A	G	0.139	0.023	0.444	2.00E-09	-0.023	0.007	0.002	0.010	35.959	TRUE	6.99E-09
Overall COPD	RPTOR	cg06673969	rs117429647	G	A	-0.668	0.060	0.039	6.74E-29	0.020	0.018	0.245	0.033	124.377	TRUE	3.79E-28
Overall COPD	RPTOR	cg06872548	rs114177791	T	G	-0.373	0.028	0.215	9.24E-40	-0.005	0.009	0.580	0.045	174.044	TRUE	7.90E-39
Overall COPD	RPTOR	cg06872548	rs11651724	A	G	-0.366	0.037	0.117	3.10E-23	0.000	0.010	0.963	0.026	98.541	TRUE	6.10E-23
Overall COPD	RPTOR	cg06872548	rs118099953	T	C	-0.829	0.063	0.036	9.42E-40	0.021	0.017	0.235	0.045	174.004	TRUE	1.32E-38
Overall COPD	RPTOR	cg06872548	rs118107399	T	C	1.287	0.148	0.014	2.97E-18	-0.017	0.033	0.611	0.020	75.872	TRUE	5.92E-18
Overall COPD	RPTOR	cg06872548	rs12945810	T	C	0.313	0.024	0.413	1.72E-40	0.010	0.007	0.174	0.046	177.383	TRUE	2.96E-39
Overall COPD	RPTOR	cg06872548	rs35904260	G	A	0.296	0.023	0.445	6.37E-37	-0.004	0.007	0.593	0.042	161.054	TRUE	4.26E-36
Overall COPD	RPTOR	cg06872548	rs57673311	C	G	-0.667	0.026	0.249	2.05E-141	0.005	0.008	0.534	0.148	640.625	TRUE	4.57E-133
Overall COPD	RPTOR	cg06872548	rs62067876	A	G	0.276	0.042	0.086	4.22E-11	-0.013	0.012	0.280	0.012	43.486	TRUE	7.78E-11
Overall COPD	RPTOR	cg06872548	rs62067893	T	C	-0.577	0.069	0.037	9.31E-17	0.000	0.020	0.991	0.018	69.073	TRUE	1.35E-16

Overall COPD	RPTOR	cg06872548	rs7217825	C	T	1.116	0.034	0.119	3.00E-232	0.024	0.011	0.026	0.222	1058.212	TRUE	1.97E-210
Overall COPD	RPTOR	cg06872548	rs72856013	A	G	-0.368	0.036	0.120	9.72E-25	-0.013	0.010	0.201	0.028	105.395	TRUE	4.39E-24
Overall COPD	RPTOR	cg06908052	rs12951596	T	C	-0.367	0.033	0.134	5.05E-29	-0.005	0.010	0.619	0.033	124.948	TRUE	1.85E-28
Overall COPD	RPTOR	cg06975080	rs11150741	G	A	0.299	0.025	0.366	2.67E-34	0.014	0.007	0.044	0.039	149.060	TRUE	4.23E-33
Overall COPD	RPTOR	cg06975080	rs1131609	A	G	0.158	0.027	0.243	3.17E-09	0.002	0.009	0.771	0.009	35.058	TRUE	4.03E-09
Overall COPD	RPTOR	cg06975080	rs117559611	C	T	0.260	0.030	0.194	2.41E-18	0.003	0.016	0.827	0.020	76.282	TRUE	4.15E-18
Overall COPD	RPTOR	cg06975080	rs567883407	G	A	0.642	0.110	0.018	5.91E-09	0.002	0.029	0.952	0.009	33.847	TRUE	6.86E-09
Overall COPD	RPTOR	cg06975080	rs57678654	T	C	0.165	0.024	0.380	6.99E-12	0.000	0.007	0.949	0.013	47.006	TRUE	8.80E-12
Overall COPD	RPTOR	cg06975080	rs61391154	T	G	-0.526	0.024	0.340	1.20E-106	-0.004	0.008	0.581	0.115	480.896	TRUE	1.17E-101
Overall COPD	RPTOR	cg06975080	rs7207154	C	T	0.292	0.052	0.131	1.68E-08	0.004	0.010	0.666	0.009	31.820	TRUE	2.19E-08
Overall COPD	RPTOR	cg06975080	rs72851580	T	A	-0.376	0.057	0.048	5.71E-11	-0.009	0.016	0.594	0.011	42.896	TRUE	8.43E-11
Overall COPD	RPTOR	cg06975080	rs76315174	G	A	-0.399	0.062	0.054	9.72E-11	0.000	0.015	0.982	0.011	41.854	TRUE	1.17E-10
Overall COPD	RPTOR	cg07078467	rs7215994	G	A	-0.153	0.024	0.333	3.97E-10	-0.002	0.007	0.783	0.010	39.107	TRUE	5.15E-10
Overall COPD	RPTOR	cg07081946	rs3751940	T	C	0.204	0.024	0.391	2.04E-17	-0.003	0.007	0.663	0.019	72.062	TRUE	3.78E-17
Overall COPD	RPTOR	cg07126783	rs114177791	T	G	0.179	0.029	0.215	3.75E-10	-0.005	0.009	0.580	0.010	39.219	TRUE	5.41E-10
Overall COPD	RPTOR	cg07126783	rs4969426	A	T	0.177	0.024	0.375	1.16E-13	0.004	0.007	0.554	0.015	55.039	TRUE	1.96E-13
Overall COPD	RPTOR	cg07126783	rs67583258	T	C	0.276	0.027	0.249	6.61E-24	0.005	0.008	0.563	0.027	101.599	TRUE	1.86E-23
Overall COPD	RPTOR	cg07126783	rs7217174	T	C	-0.252	0.029	0.201	1.21E-17	0.009	0.009	0.302	0.019	73.101	TRUE	3.06E-17
Overall COPD	RPTOR	cg07126783	rs72853774	G	T	0.189	0.034	0.138	2.89E-08	-0.014	0.010	0.163	0.008	30.764	TRUE	5.17E-08
Overall COPD	RPTOR	cg07126783	rs75747760	T	C	-0.349	0.041	0.088	3.41E-17	-0.012	0.013	0.329	0.019	71.051	TRUE	8.20E-17
Overall COPD	RPTOR	cg07434008	rs35612742	C	A	-0.195	0.028	0.225	4.46E-12	-0.010	0.008	0.209	0.013	47.885	TRUE	9.28E-12
Overall COPD	RPTOR	cg07434008	rs62068550	A	G	0.238	0.034	0.143	2.97E-12	0.022	0.012	0.063	0.013	48.679	TRUE	8.04E-12
Overall COPD	RPTOR	cg07434008	rs6565484	C	T	-0.415	0.022	0.485	3.71E-77	-0.017	0.010	0.090	0.085	345.486	TRUE	8.34E-74
Overall COPD	RPTOR	cg07786220	rs118107399	T	C	0.892	0.149	0.014	1.96E-09	-0.017	0.033	0.611	0.010	35.991	TRUE	2.72E-09
Overall COPD	RPTOR	cg07786220	rs146082177	A	G	0.447	0.082	0.023	4.97E-08	-0.015	0.022	0.498	0.008	29.713	TRUE	6.93E-08
Overall COPD	RPTOR	cg07786220	rs1471791	A	G	0.692	0.029	0.199	1.87E-129	0.010	0.009	0.240	0.137	585.669	TRUE	5.32E-122
Overall COPD	RPTOR	cg07786220	rs55735336	T	C	-0.216	0.037	0.114	5.68E-09	0.004	0.010	0.715	0.009	33.923	TRUE	7.35E-09
Overall COPD	RPTOR	cg07786220	rs62067893	T	C	-0.397	0.070	0.037	1.21E-08	0.000	0.020	0.991	0.009	32.450	TRUE	1.37E-08
Overall COPD	RPTOR	cg07786220	rs62069404	T	C	0.355	0.055	0.051	1.18E-10	-0.013	0.016	0.400	0.011	41.467	TRUE	1.95E-10
Overall COPD	RPTOR	cg07786220	rs7207843	C	T	-0.220	0.029	0.204	6.08E-14	0.000	0.009	0.975	0.015	56.314	TRUE	8.07E-14
Overall COPD	RPTOR	cg07786220	rs72856006	G	C	-0.263	0.036	0.120	2.45E-13	-0.012	0.010	0.240	0.014	53.579	TRUE	5.26E-13
Overall COPD	RPTOR	cg07786220	rs74003912	A	G	0.190	0.030	0.199	1.54E-10	0.010	0.009	0.276	0.011	40.952	TRUE	2.78E-10
Overall COPD	RPTOR	cg07786220	rs9894401	A	G	-0.303	0.027	0.255	8.17E-29	0.006	0.008	0.460	0.032	123.993	TRUE	3.46E-28
Overall COPD	RPTOR	cg08314949	rs113714895	T	C	0.290	0.043	0.080	1.19E-11	-0.017	0.012	0.135	0.012	45.968	TRUE	2.66E-11
Overall COPD	RPTOR	cg08314949	rs118120008	A	G	-0.578	0.104	0.013	2.78E-08	0.042	0.029	0.137	0.008	30.835	TRUE	5.15E-08
Overall COPD	RPTOR	cg08314949	rs12939768	T	A	-1.166	0.020	0.226	<1E-200	-0.018	0.009	0.043	0.471	3298.895	TRUE	<1E-200
Overall COPD	RPTOR	cg08314949	rs142546211	A	G	-0.756	0.109	0.019	3.24E-12	0.000	0.023	0.985	0.013	48.513	TRUE	4.04E-12
Overall COPD	RPTOR	cg08314949	rs183036865	A	G	0.495	0.056	0.041	1.48E-18	-0.005	0.017	0.768	0.020	77.249	TRUE	2.67E-18
Overall COPD	RPTOR	cg08314949	rs183706698	C	T	0.777	0.026	0.218	8.95E-193	-0.005	0.008	0.492	0.192	876.710	TRUE	4.34E-178
Overall COPD	RPTOR	cg08314949	rs2289764	C	T	-0.261	0.027	0.241	2.28E-21	-0.010	0.008	0.239	0.024	90.040	TRUE	7.76E-21
Overall COPD	RPTOR	cg08314949	rs4969219	G	T	-0.134	0.024	0.388	3.07E-08	0.012	0.007	0.080	0.008	30.647	TRUE	6.17E-08
Overall COPD	RPTOR	cg08314949	rs62075432	A	G	-0.154	0.027	0.261	1.44E-08	-0.004	0.008	0.629	0.009	32.116	TRUE	1.92E-08

Overall COPD	RPTOR	cg08314949	rs72850524	T	C	0.484	0.064	0.037	3.26E-14	0.010	0.017	0.561	0.015	57.539	TRUE	5.61E-14
Overall COPD	RPTOR	cg08314949	rs72859646	T	C	-0.889	0.068	0.026	2.55E-39	-0.014	0.020	0.473	0.044	172.025	TRUE	2.39E-38
Overall COPD	RPTOR	cg08314949	rs76300060	G	A	-0.272	0.047	0.065	1.04E-08	-0.014	0.015	0.342	0.009	32.744	TRUE	1.64E-08
Overall COPD	RPTOR	cg08314949	rs9905501	T	C	0.257	0.025	0.341	4.45E-25	0.005	0.007	0.505	0.028	106.942	TRUE	1.41E-24
Overall COPD	RPTOR	cg08329754	rs11150745	G	A	-0.324	0.025	0.314	4.06E-38	-0.005	0.007	0.469	0.043	166.524	TRUE	3.45E-37
Overall COPD	RPTOR	cg08329754	rs12943620	T	G	-0.178	0.027	0.225	5.13E-11	0.002	0.009	0.771	0.012	43.105	TRUE	6.89E-11
Overall COPD	RPTOR	cg08329754	rs7210110	A	G	-0.357	0.029	0.200	4.54E-34	0.009	0.009	0.300	0.038	148.005	TRUE	3.49E-33
Overall COPD	RPTOR	cg08329754	rs77420162	A	G	-0.352	0.062	0.040	1.50E-08	-0.008	0.017	0.650	0.009	32.031	TRUE	1.98E-08
Overall COPD	RPTOR	cg08329754	rs8080789	A	G	0.532	0.036	0.118	1.55E-48	0.024	0.011	0.023	0.055	214.226	TRUE	1.30E-46
Overall COPD	RPTOR	cg08454507	rs11651724	A	G	-0.317	0.037	0.117	9.32E-18	0.000	0.010	0.963	0.020	73.612	TRUE	1.43E-17
Overall COPD	RPTOR	cg08454507	rs117209908	A	G	-0.467	0.050	0.059	1.68E-20	0.033	0.015	0.025	0.023	86.086	TRUE	9.71E-20
Overall COPD	RPTOR	cg08454507	rs117620031	C	T	-0.558	0.101	0.014	3.85E-08	-0.005	0.028	0.866	0.008	30.209	TRUE	4.54E-08
Overall COPD	RPTOR	cg08454507	rs118107399	T	C	1.290	0.148	0.014	2.51E-18	-0.017	0.033	0.611	0.020	76.200	TRUE	5.03E-18
Overall COPD	RPTOR	cg08454507	rs11869626	C	A	0.151	0.023	0.476	1.01E-10	0.010	0.007	0.142	0.011	41.776	TRUE	2.13E-10
Overall COPD	RPTOR	cg08454507	rs12945810	T	C	0.373	0.023	0.413	2.48E-57	0.010	0.007	0.174	0.064	254.542	TRUE	2.59E-55
Overall COPD	RPTOR	cg08454507	rs2004184	C	T	-0.162	0.026	0.265	6.71E-10	-0.003	0.007	0.701	0.010	38.082	TRUE	9.01E-10
Overall COPD	RPTOR	cg08454507	rs35904260	G	A	0.297	0.023	0.445	3.10E-37	-0.004	0.007	0.593	0.042	162.482	TRUE	2.13E-36
Overall COPD	RPTOR	cg08454507	rs62067893	T	C	-0.572	0.069	0.037	1.63E-16	0.000	0.020	0.991	0.018	67.973	TRUE	2.34E-16
Overall COPD	RPTOR	cg08454507	rs72856013	A	G	-0.403	0.036	0.120	1.96E-29	-0.013	0.010	0.201	0.033	126.827	TRUE	1.24E-28
Overall COPD	RPTOR	cg08454507	rs72858219	A	G	-0.379	0.028	0.212	1.13E-40	0.002	0.008	0.773	0.046	178.221	TRUE	8.47E-40
Overall COPD	RPTOR	cg08454507	rs8080789	A	G	1.021	0.035	0.118	9.62E-190	0.024	0.011	0.023	0.189	862.774	TRUE	2.56E-174
Overall COPD	RPTOR	cg08454507	rs9911979	A	G	-0.695	0.026	0.249	8.73E-155	0.006	0.008	0.443	0.160	702.079	TRUE	7.38E-145
Overall COPD	RPTOR	cg08939850	rs11150745	G	A	-0.255	0.025	0.314	4.99E-24	-0.005	0.007	0.469	0.027	102.156	TRUE	1.54E-23
Overall COPD	RPTOR	cg08939850	rs114177791	T	G	0.173	0.028	0.215	1.16E-09	-0.005	0.009	0.580	0.010	37.016	TRUE	1.64E-09
Overall COPD	RPTOR	cg08939850	rs138464941	C	T	0.366	0.066	0.028	3.53E-08	-0.020	0.019	0.292	0.008	30.374	TRUE	5.62E-08
Overall COPD	RPTOR	cg08939850	rs62070202	T	C	-0.230	0.042	0.079	4.54E-08	0.012	0.014	0.377	0.008	29.889	TRUE	6.79E-08
Overall COPD	RPTOR	cg08939850	rs7217174	T	C	-0.317	0.029	0.201	3.03E-27	0.009	0.009	0.302	0.031	116.831	TRUE	1.39E-26
Overall COPD	RPTOR	cg09001356	rs11150745	G	A	-0.292	0.025	0.314	3.04E-31	-0.005	0.007	0.469	0.035	135.091	TRUE	1.51E-30
Overall COPD	RPTOR	cg09001356	rs35926934	A	G	0.364	0.037	0.117	3.88E-23	-0.023	0.011	0.030	0.026	98.098	TRUE	2.64E-22
Overall COPD	RPTOR	cg09001356	rs62070202	T	C	-0.331	0.042	0.079	2.37E-15	0.012	0.014	0.377	0.017	62.694	TRUE	4.95E-15
Overall COPD	RPTOR	cg09001356	rs7210110	A	G	-0.430	0.029	0.200	4.56E-49	0.009	0.009	0.300	0.055	216.664	TRUE	1.40E-47
Overall COPD	RPTOR	cg09175325	rs35904260	G	A	0.138	0.023	0.445	3.90E-09	-0.004	0.007	0.593	0.009	34.657	TRUE	5.38E-09
Overall COPD	RPTOR	cg09175325	rs62067239	T	C	-0.284	0.041	0.090	3.88E-12	-0.015	0.012	0.208	0.013	48.157	TRUE	8.11E-12
Overall COPD	RPTOR	cg09175325	rs7212125	G	A	0.241	0.037	0.120	4.58E-11	0.025	0.011	0.023	0.012	43.324	TRUE	1.34E-10
Overall COPD	RPTOR	cg09175325	rs9904611	A	G	-0.211	0.027	0.254	8.38E-15	0.009	0.008	0.280	0.016	60.211	TRUE	1.86E-14
Overall COPD	RPTOR	cg09516200	rs10468603	C	T	0.198	0.024	0.413	1.70E-16	0.009	0.007	0.176	0.018	67.885	TRUE	4.73E-16
Overall COPD	RPTOR	cg09516200	rs11150746	G	A	0.218	0.025	0.332	2.16E-18	-0.002	0.007	0.726	0.020	76.495	TRUE	4.00E-18
Overall COPD	RPTOR	cg09516200	rs4516281	T	C	-0.375	0.044	0.076	1.88E-17	-0.004	0.013	0.737	0.019	72.223	TRUE	3.31E-17
Overall COPD	RPTOR	cg09516200	rs4522458	T	C	-0.176	0.027	0.238	1.35E-10	-0.006	0.008	0.443	0.011	41.211	TRUE	2.15E-10
Overall COPD	RPTOR	cg09516200	rs4969404	T	C	-0.338	0.024	0.402	1.34E-45	-0.016	0.008	0.053	0.051	200.778	TRUE	6.11E-44
Overall COPD	RPTOR	cg09592546	rs118107399	T	C	-1.409	0.147	0.014	1.23E-21	-0.017	0.033	0.611	0.024	91.257	TRUE	2.92E-21
Overall COPD	RPTOR	cg09592546	rs144987811	A	G	-1.082	0.186	0.010	6.40E-09	0.072	0.041	0.078	0.009	33.692	TRUE	1.35E-08

Overall COPD	RPTOR	cg09592546	rs2019040	A	T	0.205	0.033	0.133	6.17E-10	0.001	0.010	0.924	0.010	38.248	TRUE	7.44E-10
Overall COPD	RPTOR	cg09592546	rs2672901	T	C	-0.390	0.024	0.353	3.15E-58	-0.007	0.007	0.359	0.065	258.652	TRUE	2.41E-56
Overall COPD	RPTOR	cg09592546	rs4889782	C	T	-0.349	0.024	0.402	3.55E-47	0.018	0.007	0.011	0.053	207.998	TRUE	3.18E-45
Overall COPD	RPTOR	cg09592546	rs57677341	G	A	-1.126	0.030	0.137	<1E-200	0.027	0.011	0.010	0.278	1422.024	TRUE	1.04E-274
Overall COPD	RPTOR	cg09592546	rs72853757	C	T	0.208	0.033	0.146	3.72E-10	-0.011	0.009	0.263	0.010	39.236	TRUE	6.64E-10
Overall COPD	RPTOR	cg09592546	rs74002861	C	A	0.262	0.043	0.078	1.54E-09	0.008	0.012	0.487	0.010	36.462	TRUE	2.29E-09
Overall COPD	RPTOR	cg09592546	rs8069962	G	A	-0.320	0.023	0.471	6.24E-44	0.001	0.007	0.927	0.050	193.134	TRUE	5.28E-43
Overall COPD	RPTOR	cg09592546	rs8079537	G	A	-0.399	0.023	0.443	3.36E-67	0.004	0.007	0.546	0.075	299.800	TRUE	5.78E-65
Overall COPD	RPTOR	cg09596252	rs112401820	A	G	-0.451	0.069	0.065	4.48E-11	0.001	0.015	0.966	0.012	43.369	TRUE	5.47E-11
Overall COPD	RPTOR	cg09596252	rs139980334	C	T	0.263	0.047	0.065	1.70E-08	-0.006	0.017	0.703	0.009	31.798	TRUE	2.17E-08
Overall COPD	RPTOR	cg09596252	rs34713877	A	G	0.563	0.091	0.036	6.86E-10	0.004	0.019	0.845	0.010	38.040	TRUE	8.58E-10
Overall COPD	RPTOR	cg09596252	rs4890056	C	T	0.211	0.022	0.447	5.90E-21	0.002	0.007	0.713	0.023	88.156	TRUE	1.25E-20
Overall COPD	RPTOR	cg09794615	rs2271607	C	T	0.486	0.028	0.220	1.79E-65	-0.009	0.008	0.264	0.073	291.882	TRUE	4.12E-63
Overall COPD	RPTOR	cg09794615	rs2340773	T	C	-0.229	0.037	0.116	8.92E-10	0.024	0.011	0.022	0.010	37.528	TRUE	2.40E-09
Overall COPD	RPTOR	cg09794615	rs55833830	A	C	-0.208	0.028	0.235	1.90E-13	0.010	0.008	0.237	0.014	54.081	TRUE	4.11E-13
Overall COPD	RPTOR	cg09794615	rs7502001	G	T	-0.295	0.034	0.132	5.37E-18	-0.006	0.010	0.557	0.020	74.700	TRUE	1.10E-17
Overall COPD	RPTOR	cg09803959	rs11868966	C	A	1.035	0.028	0.167	1.73E-302	0.003	0.010	0.747	0.273	1385.829	TRUE	1.78E-270
Overall COPD	RPTOR	cg09803959	rs12603933	G	A	-0.136	0.024	0.467	8.70E-09	0.003	0.007	0.643	0.009	33.095	TRUE	1.16E-08
Overall COPD	RPTOR	cg09803959	rs149099062	A	G	0.978	0.140	0.015	2.40E-12	-0.024	0.028	0.395	0.013	49.096	TRUE	4.28E-12
Overall COPD	RPTOR	cg09803959	rs56273414	C	T	0.213	0.033	0.146	1.40E-10	-0.011	0.012	0.333	0.011	41.148	TRUE	2.40E-10
Overall COPD	RPTOR	cg09803959	rs62068487	A	G	-0.263	0.025	0.319	1.75E-25	0.011	0.007	0.122	0.029	108.794	TRUE	9.79E-25
Overall COPD	RPTOR	cg09803959	rs7225916	G	T	0.157	0.026	0.272	2.95E-09	-0.001	0.007	0.890	0.009	35.201	TRUE	3.54E-09
Overall COPD	RPTOR	cg09803959	rs72850551	A	G	0.448	0.065	0.036	7.28E-12	0.009	0.018	0.625	0.013	46.925	TRUE	1.09E-11
Overall COPD	RPTOR	cg09803959	rs7502841	A	G	0.321	0.027	0.232	1.03E-31	-0.007	0.008	0.390	0.036	137.248	TRUE	5.80E-31
Overall COPD	RPTOR	cg09803959	rs77183052	A	G	0.941	0.170	0.012	3.18E-08	0.008	0.023	0.726	0.008	30.581	TRUE	4.00E-08
Overall COPD	RPTOR	cg09929238	rs138537551	T	C	-0.309	0.045	0.070	6.90E-12	-0.002	0.013	0.875	0.013	47.030	TRUE	9.04E-12
Overall COPD	RPTOR	cg09929238	rs1567961	C	T	-0.160	0.024	0.392	1.61E-11	0.002	0.007	0.739	0.012	45.365	TRUE	2.25E-11
Overall COPD	RPTOR	cg09929238	rs62068268	T	C	-0.363	0.041	0.090	9.76E-19	-0.015	0.012	0.208	0.021	78.065	TRUE	2.96E-18
Overall COPD	RPTOR	cg09929238	rs62070201	A	G	0.341	0.044	0.069	7.02E-15	-0.024	0.013	0.076	0.016	60.559	TRUE	2.16E-14
Overall COPD	RPTOR	cg09929238	rs8076974	G	A	0.447	0.026	0.263	4.60E-64	-0.010	0.007	0.188	0.072	285.410	TRUE	1.07E-61
Overall COPD	RPTOR	cg09977718	rs113059224	A	G	-0.261	0.043	0.070	1.36E-09	-0.018	0.012	0.117	0.010	36.707	TRUE	2.78E-09
Overall COPD	RPTOR	cg09977718	rs113714895	T	C	-0.387	0.043	0.080	1.24E-19	-0.017	0.012	0.135	0.022	82.141	TRUE	4.50E-19
Overall COPD	RPTOR	cg09977718	rs12103906	T	C	0.211	0.024	0.419	1.20E-18	0.012	0.007	0.067	0.021	77.652	TRUE	4.89E-18
Overall COPD	RPTOR	cg09977718	rs12602601	T	G	0.335	0.025	0.309	6.92E-41	0.012	0.007	0.091	0.046	179.194	TRUE	1.60E-39
Overall COPD	RPTOR	cg09977718	rs183036865	A	G	-0.351	0.056	0.041	4.78E-10	-0.005	0.017	0.768	0.010	38.744	TRUE	6.24E-10
Overall COPD	RPTOR	cg09977718	rs2289762	A	G	-0.772	0.025	0.245	5.15E-205	-0.004	0.008	0.571	0.201	932.985	TRUE	1.10E-188
Overall COPD	RPTOR	cg09977718	rs2289764	C	T	0.265	0.027	0.241	4.61E-22	-0.010	0.008	0.239	0.025	93.198	TRUE	1.64E-21
Overall COPD	RPTOR	cg09977718	rs36022926	T	A	0.163	0.027	0.250	1.47E-09	-0.013	0.008	0.127	0.010	36.560	TRUE	2.95E-09
Overall COPD	RPTOR	cg09977718	rs60323363	A	G	-0.174	0.024	0.412	1.56E-13	-0.002	0.008	0.780	0.015	54.464	TRUE	2.28E-13
Overall COPD	RPTOR	cg09977718	rs72850524	T	C	-0.363	0.064	0.037	1.32E-08	0.010	0.017	0.561	0.009	32.283	TRUE	1.82E-08
Overall COPD	RPTOR	cg09977718	rs9897319	A	G	-0.304	0.025	0.354	3.93E-34	-0.006	0.007	0.440	0.039	148.296	TRUE	2.51E-33
Overall COPD	RPTOR	cg10035831	rs11548824	A	G	-0.235	0.034	0.154	2.64E-12	-0.007	0.009	0.397	0.013	48.914	TRUE	4.68E-12

Overall COPD	RPTOR	cg10035831	rs11656061	A	G	-0.541	0.023	0.436	8.92E-122	0.013	0.007	0.058	0.130	550.388	TRUE	1.20E-114
Overall COPD	RPTOR	cg10035831	rs11658145	C	T	0.162	0.027	0.246	2.05E-09	0.004	0.009	0.642	0.010	35.906	TRUE	2.79E-09
Overall COPD	RPTOR	cg10035831	rs11869318	C	T	0.146	0.024	0.470	6.63E-10	-0.007	0.007	0.322	0.010	38.106	TRUE	1.12E-09
Overall COPD	RPTOR	cg10035831	rs12936701	C	A	0.418	0.039	0.105	2.16E-27	-0.003	0.012	0.828	0.031	117.498	TRUE	5.95E-27
Overall COPD	RPTOR	cg10035831	rs149099062	A	G	1.065	0.139	0.015	2.24E-14	-0.024	0.028	0.395	0.016	58.275	TRUE	4.39E-14
Overall COPD	RPTOR	cg10035831	rs2289766	G	A	1.063	0.027	0.167	<1E-200	0.002	0.010	0.869	0.288	1499.193	TRUE	2.85E-290
Overall COPD	RPTOR	cg10035831	rs4969236	C	T	-0.281	0.023	0.495	2.77E-33	-0.004	0.007	0.579	0.038	144.414	TRUE	1.42E-32
Overall COPD	RPTOR	cg10035831	rs62068550	A	G	-0.218	0.035	0.143	3.42E-10	0.022	0.012	0.063	0.011	39.397	TRUE	8.10E-10
Overall COPD	RPTOR	cg10035831	rs66463810	A	G	-0.160	0.025	0.340	1.00E-10	-0.009	0.007	0.197	0.011	41.790	TRUE	1.97E-10
Overall COPD	RPTOR	cg10035831	rs72853711	C	T	0.211	0.037	0.115	1.07E-08	-0.016	0.011	0.134	0.009	32.686	TRUE	2.04E-08
Overall COPD	RPTOR	cg10281768	rs10468603	C	T	-0.409	0.024	0.413	3.70E-67	0.009	0.007	0.176	0.075	299.606	TRUE	1.36E-64
Overall COPD	RPTOR	cg10281768	rs117635805	T	A	0.337	0.042	0.083	1.00E-15	-0.002	0.013	0.875	0.017	64.396	TRUE	1.50E-15
Overall COPD	RPTOR	cg10281768	rs118065301	A	G	0.732	0.109	0.026	2.17E-11	0.030	0.022	0.177	0.012	44.782	TRUE	4.53E-11
Overall COPD	RPTOR	cg10281768	rs12936509	G	A	0.337	0.040	0.092	2.09E-17	-0.011	0.011	0.327	0.019	72.019	TRUE	5.09E-17
Overall COPD	RPTOR	cg10281768	rs62068358	G	A	-0.263	0.041	0.092	1.45E-10	-0.012	0.012	0.320	0.011	41.075	TRUE	2.52E-10
Overall COPD	RPTOR	cg10281768	rs74002883	T	G	-0.222	0.031	0.173	6.18E-13	0.012	0.009	0.161	0.014	51.761	TRUE	1.43E-12
Overall COPD	RPTOR	cg10281768	rs746405	G	T	-0.146	0.024	0.418	1.16E-09	0.007	0.007	0.362	0.010	37.020	TRUE	1.87E-09
Overall COPD	RPTOR	cg10281768	rs9893680	G	T	-0.198	0.024	0.383	2.56E-16	0.000	0.007	0.949	0.018	67.080	TRUE	3.75E-16
Overall COPD	RPTOR	cg10490202	rs1045626	T	C	-0.213	0.024	0.467	2.26E-19	-0.007	0.007	0.304	0.021	80.952	TRUE	6.30E-19
Overall COPD	RPTOR	cg10490202	rs113714895	T	C	-0.265	0.043	0.080	5.09E-10	-0.017	0.012	0.135	0.010	38.621	TRUE	1.04E-09
Overall COPD	RPTOR	cg10490202	rs11656246	A	G	-0.466	0.026	0.241	4.27E-70	-0.005	0.008	0.487	0.078	313.086	TRUE	1.19E-67
Overall COPD	RPTOR	cg10490202	rs2289764	C	T	0.359	0.027	0.241	1.03E-39	-0.010	0.008	0.239	0.045	173.834	TRUE	1.42E-38
Overall COPD	RPTOR	cg10490202	rs908236	C	G	0.277	0.025	0.351	1.39E-29	-0.009	0.007	0.196	0.033	127.511	TRUE	8.97E-29
Overall COPD	RPTOR	cg10508138	rs1012117	A	G	-0.310	0.025	0.313	1.27E-36	-0.003	0.007	0.701	0.041	159.683	TRUE	7.41E-36
Overall COPD	RPTOR	cg10508138	rs113714895	T	C	-0.236	0.042	0.080	2.18E-08	-0.017	0.012	0.135	0.008	31.313	TRUE	4.06E-08
Overall COPD	RPTOR	cg10538214	rs2271612	C	T	-0.145	0.023	0.480	5.97E-10	-0.004	0.007	0.503	0.010	38.311	TRUE	8.94E-10
Overall COPD	RPTOR	cg10585621	rs9909563	T	A	-0.196	0.027	0.269	3.21E-13	0.003	0.008	0.676	0.014	53.049	TRUE	4.92E-13
Overall COPD	RPTOR	cg10693767	rs72852801	A	G	0.257	0.044	0.076	5.11E-09	-0.011	0.013	0.402	0.009	34.130	TRUE	7.83E-09
Overall COPD	RPTOR	cg10693767	rs9890864	G	A	-0.211	0.030	0.189	2.63E-12	0.007	0.008	0.384	0.013	48.917	TRUE	4.72E-12
Overall COPD	RPTOR	cg10752731	rs11868966	C	A	-0.178	0.032	0.167	2.08E-08	0.003	0.010	0.747	0.008	31.404	TRUE	2.60E-08
Overall COPD	RPTOR	cg10752731	rs138099755	A	G	-0.977	0.161	0.012	1.31E-09	0.007	0.031	0.819	0.010	36.785	TRUE	1.64E-09
Overall COPD	RPTOR	cg10752731	rs571430539	C	T	-1.496	0.082	0.022	3.00E-74	-0.002	0.041	0.957	0.082	332.140	TRUE	7.52E-72
Overall COPD	RPTOR	cg10880603	rs4969293	A	T	0.198	0.028	0.211	2.52E-12	0.000	0.009	0.967	0.013	49.005	TRUE	3.19E-12
Overall COPD	RPTOR	cg11153071	rs2291360	A	G	0.325	0.025	0.367	1.18E-39	0.014	0.007	0.044	0.045	173.552	TRUE	3.12E-38
Overall COPD	RPTOR	cg11153071	rs62069685	C	G	-0.319	0.041	0.091	8.37E-15	-0.012	0.012	0.337	0.016	60.214	TRUE	1.76E-14
Overall COPD	RPTOR	cg11153071	rs7209452	A	G	0.185	0.029	0.203	1.91E-10	0.014	0.009	0.105	0.011	40.535	TRUE	4.19E-10
Overall COPD	RPTOR	cg11222173	rs2291360	A	G	0.300	0.025	0.367	4.84E-34	0.014	0.007	0.044	0.038	147.882	TRUE	7.49E-33
Overall COPD	RPTOR	cg11303920	rs12951739	T	G	0.255	0.023	0.455	5.39E-28	0.001	0.007	0.885	0.031	120.253	TRUE	1.47E-27
Overall COPD	RPTOR	cg11303920	rs4889881	C	T	-0.323	0.037	0.114	3.64E-18	0.034	0.012	0.004	0.020	75.468	TRUE	2.47E-17
Overall COPD	RPTOR	cg11476241	rs11656246	A	G	-0.347	0.027	0.241	8.96E-39	-0.005	0.008	0.487	0.044	169.528	TRUE	7.86E-38
Overall COPD	RPTOR	cg11476241	rs149099062	A	G	0.929	0.140	0.015	3.00E-11	-0.024	0.028	0.395	0.012	44.153	TRUE	5.08E-11
Overall COPD	RPTOR	cg11476241	rs2280146	G	A	0.872	0.025	0.218	2.58E-275	-0.005	0.008	0.562	0.254	1256.256	TRUE	1.99E-247

Overall COPD	RPTOR	cg11476241	rs56273414	C	T	0.194	0.033	0.146	5.05E-09	-0.011	0.012	0.333	0.009	34.153	TRUE	8.10E-09
Overall COPD	RPTOR	cg11476241	rs62068550	A	G	-0.229	0.035	0.143	4.22E-11	0.022	0.012	0.063	0.012	43.487	TRUE	1.06E-10
Overall COPD	RPTOR	cg11476241	rs66485222	A	G	0.490	0.067	0.035	2.25E-13	0.010	0.019	0.602	0.014	53.747	TRUE	3.63E-13
Overall COPD	RPTOR	cg11476241	rs72859646	T	C	0.536	0.068	0.026	4.27E-15	-0.014	0.020	0.473	0.016	61.539	TRUE	8.13E-15
Overall COPD	RPTOR	cg11476241	rs8071514	C	A	0.149	0.024	0.453	3.03E-10	0.002	0.007	0.787	0.011	39.636	TRUE	3.94E-10
Overall COPD	RPTOR	cg11499091	rs2589138	T	C	-0.342	0.028	0.230	1.43E-34	-0.003	0.009	0.764	0.039	150.298	TRUE	6.72E-34
Overall COPD	RPTOR	cg11499091	rs35524093	G	A	0.163	0.025	0.342	2.93E-11	0.011	0.007	0.143	0.012	44.201	TRUE	6.34E-11
Overall COPD	RPTOR	cg11499091	rs72851580	T	A	-0.369	0.057	0.048	1.28E-10	-0.009	0.016	0.594	0.011	41.324	TRUE	1.86E-10
Overall COPD	RPTOR	cg11499091	rs8071397	A	G	0.150	0.025	0.333	3.78E-09	0.012	0.010	0.213	0.009	34.715	TRUE	6.73E-09
Overall COPD	RPTOR	cg11637695	rs12944497	T	C	-0.253	0.024	0.406	1.73E-26	0.001	0.013	0.937	0.030	113.374	TRUE	4.14E-26
Overall COPD	RPTOR	cg11790527	rs62067889	G	C	0.372	0.029	0.199	8.44E-37	0.010	0.009	0.234	0.042	160.497	TRUE	9.11E-36
Overall COPD	RPTOR	cg11949518	rs112815991	T	C	0.325	0.044	0.071	9.01E-14	-0.014	0.012	0.251	0.015	55.542	TRUE	1.96E-13
Overall COPD	RPTOR	cg11949518	rs11548824	A	G	0.297	0.034	0.154	7.00E-19	-0.007	0.009	0.397	0.021	78.720	TRUE	1.72E-18
Overall COPD	RPTOR	cg11949518	rs11655877	C	T	0.195	0.024	0.406	1.71E-16	-0.006	0.007	0.370	0.018	67.873	TRUE	3.81E-16
Overall COPD	RPTOR	cg11949518	rs138780442	C	A	-0.609	0.107	0.031	1.23E-08	-0.027	0.020	0.166	0.009	32.420	TRUE	2.24E-08
Overall COPD	RPTOR	cg11949518	rs183036865	A	G	0.506	0.056	0.041	2.01E-19	-0.005	0.017	0.768	0.021	81.182	TRUE	3.79E-19
Overall COPD	RPTOR	cg11949518	rs2289760	T	C	0.530	0.026	0.249	1.39E-94	-0.004	0.008	0.644	0.103	425.487	TRUE	1.33E-90
Overall COPD	RPTOR	cg11949518	rs34410650	G	A	0.274	0.027	0.239	1.54E-23	-0.017	0.008	0.049	0.026	99.926	TRUE	9.65E-23
Overall COPD	RPTOR	cg11949518	rs4073045	C	G	-0.324	0.053	0.045	1.28E-09	-0.010	0.016	0.554	0.010	36.830	TRUE	1.83E-09
Overall COPD	RPTOR	cg11949518	rs4969229	T	C	-0.801	0.080	0.050	1.75E-23	0.012	0.016	0.472	0.026	99.669	TRUE	5.22E-23
Overall COPD	RPTOR	cg11949518	rs4969231	T	C	-0.699	0.024	0.314	3.45E-180	0.007	0.008	0.392	0.181	818.847	TRUE	4.52E-167
Overall COPD	RPTOR	cg11949518	rs55803650	A	C	0.521	0.092	0.017	1.71E-08	0.000	0.024	0.987	0.009	31.779	TRUE	1.94E-08
Overall COPD	RPTOR	cg11949518	rs56960771	T	C	0.243	0.025	0.310	4.90E-22	-0.006	0.008	0.415	0.025	93.079	TRUE	1.41E-21
Overall COPD	RPTOR	cg11949518	rs6565491	C	T	-0.705	0.033	0.132	1.22E-99	-0.006	0.010	0.548	0.108	448.703	TRUE	3.40E-95
Overall COPD	RPTOR	cg11949518	rs67198902	G	T	0.218	0.031	0.186	1.37E-12	-0.018	0.009	0.051	0.013	50.196	TRUE	3.94E-12
Overall COPD	RPTOR	cg11949518	rs72850524	T	C	0.398	0.064	0.037	4.31E-10	0.010	0.017	0.561	0.010	38.947	TRUE	6.28E-10
Overall COPD	RPTOR	cg11949518	rs74004829	C	T	0.372	0.043	0.092	7.91E-18	-0.002	0.011	0.873	0.020	73.934	TRUE	1.29E-17
Overall COPD	RPTOR	cg11949518	rs868432	A	G	0.888	0.018	0.444	<1E-200	-0.023	0.007	0.002	0.392	2389.417	TRUE	<1E-200
Overall COPD	RPTOR	cg11949518	rs9915393	G	C	0.703	0.026	0.258	1.37E-165	-0.009	0.008	0.262	0.169	751.746	TRUE	3.85E-154
Overall COPD	RPTOR	cg12078154	rs118120008	A	G	-0.572	0.104	0.013	3.81E-08	0.042	0.029	0.137	0.008	30.230	TRUE	6.98E-08
Overall COPD	RPTOR	cg12078154	rs12939768	T	A	-1.183	0.020	0.226	<1E-200	-0.018	0.009	0.043	0.486	3502.871	TRUE	<1E-200
Overall COPD	RPTOR	cg12078154	rs142546211	A	G	-0.752	0.109	0.019	4.28E-12	0.000	0.023	0.985	0.013	47.965	TRUE	5.33E-12
Overall COPD	RPTOR	cg12078154	rs183036865	A	G	0.483	0.056	0.041	8.45E-18	-0.005	0.017	0.768	0.020	73.805	TRUE	1.48E-17
Overall COPD	RPTOR	cg12078154	rs2289764	C	T	-0.264	0.027	0.241	7.99E-22	-0.010	0.008	0.239	0.024	92.110	TRUE	2.80E-21
Overall COPD	RPTOR	cg12078154	rs4969219	G	T	-0.140	0.024	0.388	8.15E-09	0.012	0.007	0.080	0.009	33.221	TRUE	1.70E-08
Overall COPD	RPTOR	cg12078154	rs62075432	A	G	-0.152	0.027	0.261	2.16E-08	-0.004	0.008	0.629	0.008	31.326	TRUE	2.86E-08
Overall COPD	RPTOR	cg12078154	rs71368095	A	G	0.709	0.027	0.219	1.56E-155	-0.001	0.008	0.861	0.160	705.520	TRUE	6.48E-146
Overall COPD	RPTOR	cg12078154	rs72850524	T	C	0.452	0.064	0.037	1.37E-12	0.010	0.017	0.561	0.013	50.203	TRUE	2.20E-12
Overall COPD	RPTOR	cg12078154	rs72859646	T	C	-0.917	0.068	0.026	7.23E-42	-0.014	0.020	0.473	0.047	183.684	TRUE	8.47E-41
Overall COPD	RPTOR	cg12078154	rs76300060	G	A	-0.268	0.047	0.065	1.73E-08	-0.014	0.015	0.342	0.009	31.761	TRUE	2.69E-08
Overall COPD	RPTOR	cg12078154	rs9905501	T	C	0.284	0.025	0.341	1.84E-30	0.005	0.007	0.505	0.034	131.514	TRUE	8.34E-30
Overall COPD	RPTOR	cg12088417	rs117805133	T	C	-0.550	0.089	0.017	5.82E-10	0.002	0.029	0.952	0.010	38.362	TRUE	6.93E-10

Overall COPD	RPTOR	cg12088417	rs117865905	C	T	-0.723	0.113	0.024	1.64E-10	0.018	0.025	0.482	0.011	40.838	TRUE	2.54E-10
Overall COPD	RPTOR	cg12088417	rs118003029	A	G	-0.431	0.055	0.089	2.60E-15	0.014	0.012	0.255	0.017	62.511	TRUE	6.11E-15
Overall COPD	RPTOR	cg12088417	rs118099953	T	C	-0.515	0.063	0.036	3.58E-16	0.021	0.017	0.235	0.018	66.421	TRUE	9.02E-16
Overall COPD	RPTOR	cg12088417	rs11869826	A	G	-0.709	0.024	0.310	4.00E-192	0.003	0.008	0.668	0.191	873.720	TRUE	1.02E-177
Overall COPD	RPTOR	cg12088417	rs12450690	T	G	-0.182	0.026	0.264	4.51E-12	-0.006	0.008	0.433	0.013	47.862	TRUE	7.72E-12
Overall COPD	RPTOR	cg12088417	rs12451164	T	C	0.281	0.027	0.237	3.18E-25	-0.003	0.008	0.696	0.028	107.609	TRUE	8.59E-25
Overall COPD	RPTOR	cg12088417	rs28364735	C	T	-0.206	0.025	0.280	3.56E-16	-0.011	0.007	0.130	0.018	66.431	TRUE	1.05E-15
Overall COPD	RPTOR	cg12088417	rs34479366	C	T	0.278	0.029	0.198	4.55E-21	0.009	0.009	0.284	0.023	88.673	TRUE	1.43E-20
Overall COPD	RPTOR	cg12088417	rs35904260	G	A	0.264	0.023	0.445	1.40E-29	-0.004	0.007	0.593	0.033	127.489	TRUE	5.46E-29
Overall COPD	RPTOR	cg12088417	rs4522458	T	C	-0.161	0.027	0.238	4.36E-09	-0.006	0.008	0.443	0.009	34.435	TRUE	6.54E-09
Overall COPD	RPTOR	cg12088417	rs4889855	G	A	0.231	0.032	0.162	2.71E-13	-0.012	0.010	0.211	0.014	53.378	TRUE	6.01E-13
Overall COPD	RPTOR	cg12088417	rs62067893	T	C	-0.624	0.069	0.037	2.28E-19	0.000	0.020	0.991	0.021	80.939	TRUE	3.67E-19
Overall COPD	RPTOR	cg12088417	rs72856013	A	G	-0.307	0.036	0.120	1.17E-17	-0.013	0.010	0.201	0.019	73.160	TRUE	3.37E-17
Overall COPD	RPTOR	cg12088417	rs74003912	A	G	-0.251	0.030	0.199	1.82E-17	0.010	0.009	0.276	0.019	72.290	TRUE	4.70E-17
Overall COPD	RPTOR	cg12088417	rs9909563	T	A	-0.186	0.027	0.269	3.88E-12	0.003	0.008	0.676	0.013	48.156	TRUE	5.72E-12
Overall COPD	RPTOR	cg12592365	rs719781	A	G	0.210	0.026	0.253	8.83E-16	-0.003	0.008	0.739	0.017	64.640	TRUE	1.44E-15
Overall COPD	RPTOR	cg12592365	rs9319611	T	A	-0.147	0.025	0.345	2.03E-09	-0.001	0.010	0.879	0.010	35.929	TRUE	2.46E-09
Overall COPD	RPTOR	cg12654199	rs117736066	G	A	-0.259	0.041	0.088	3.55E-10	0.005	0.012	0.667	0.011	39.322	TRUE	4.90E-10
Overall COPD	RPTOR	cg12654199	rs118107399	T	C	0.977	0.148	0.014	4.59E-11	-0.017	0.033	0.611	0.012	43.320	TRUE	6.74E-11
Overall COPD	RPTOR	cg12654199	rs118182693	G	A	-0.363	0.057	0.042	1.39E-10	-0.020	0.017	0.229	0.011	41.154	TRUE	2.62E-10
Overall COPD	RPTOR	cg12654199	rs11870398	T	C	-0.228	0.024	0.387	2.49E-21	-0.004	0.007	0.569	0.024	89.866	TRUE	6.00E-21
Overall COPD	RPTOR	cg12654199	rs3923310	G	A	0.150	0.025	0.334	1.05E-09	0.002	0.008	0.797	0.010	37.215	TRUE	1.33E-09
Overall COPD	RPTOR	cg12654199	rs55633095	T	C	-0.236	0.043	0.084	3.08E-08	0.005	0.012	0.685	0.008	30.640	TRUE	3.95E-08
Overall COPD	RPTOR	cg12654199	rs62069406	C	T	-0.316	0.055	0.051	1.13E-08	-0.013	0.016	0.417	0.009	32.587	TRUE	1.69E-08
Overall COPD	RPTOR	cg12654199	rs7209132	C	T	0.634	0.024	0.365	8.23E-157	0.012	0.007	0.091	0.161	711.389	TRUE	4.91E-146
Overall COPD	RPTOR	cg13005428	rs1062935	C	T	-0.443	0.023	0.472	2.32E-81	-0.006	0.007	0.370	0.090	364.782	TRUE	4.15E-78
Overall COPD	RPTOR	cg13005428	rs113059224	A	G	-0.375	0.043	0.070	3.00E-18	-0.018	0.012	0.117	0.020	75.848	TRUE	1.04E-17
Overall COPD	RPTOR	cg13005428	rs11548824	A	G	-0.417	0.033	0.154	5.28E-36	-0.007	0.009	0.397	0.041	156.855	TRUE	4.13E-35
Overall COPD	RPTOR	cg13005428	rs11652514	A	G	0.432	0.077	0.053	1.94E-08	-0.013	0.019	0.497	0.008	31.542	TRUE	2.74E-08
Overall COPD	RPTOR	cg13005428	rs117763980	T	C	-0.710	0.054	0.043	8.31E-39	-0.016	0.016	0.340	0.044	169.678	TRUE	8.93E-38
Overall COPD	RPTOR	cg13005428	rs200806876	T	C	-0.461	0.050	0.069	3.58E-20	-0.001	0.016	0.926	0.022	84.594	TRUE	6.25E-20
Overall COPD	RPTOR	cg13005428	rs2271610	G	C	0.443	0.033	0.135	2.74E-40	0.002	0.010	0.827	0.046	176.457	TRUE	1.89E-39
Overall COPD	RPTOR	cg13005428	rs34206539	C	T	-0.209	0.024	0.442	8.17E-19	-0.009	0.007	0.232	0.021	78.415	TRUE	2.41E-18
Overall COPD	RPTOR	cg13005428	rs34824166	T	C	0.491	0.068	0.032	6.75E-13	0.018	0.020	0.371	0.014	51.588	TRUE	1.26E-12
Overall COPD	RPTOR	cg13005428	rs55980508	A	G	-0.805	0.093	0.017	3.55E-18	0.000	0.024	0.987	0.020	75.516	TRUE	5.47E-18
Overall COPD	RPTOR	cg13005428	rs61124969	A	G	-1.017	0.019	0.300	<1E-200	-0.002	0.007	0.758	0.436	2854.544	TRUE	<1E-200
Overall COPD	RPTOR	cg13005428	rs62068550	A	G	0.425	0.034	0.143	5.21E-35	0.022	0.012	0.063	0.040	152.307	TRUE	7.87E-34
Overall COPD	RPTOR	cg13005428	rs6565524	T	C	-0.234	0.040	0.098	7.25E-09	0.021	0.012	0.063	0.009	33.450	TRUE	1.57E-08
Overall COPD	RPTOR	cg13005428	rs72850524	T	C	-0.747	0.063	0.037	5.07E-32	0.010	0.017	0.561	0.036	138.647	TRUE	2.42E-31
Overall COPD	RPTOR	cg13005428	rs77734083	A	G	-0.642	0.090	0.018	8.80E-13	-0.001	0.023	0.953	0.014	51.067	TRUE	1.14E-12
Overall COPD	RPTOR	cg13005428	rs8081382	A	T	0.193	0.024	0.391	9.47E-16	0.007	0.007	0.333	0.017	64.503	TRUE	2.10E-15
Overall COPD	RPTOR	cg13005428	rs9915393	G	C	0.396	0.027	0.258	5.02E-50	-0.009	0.008	0.262	0.056	221.054	TRUE	1.84E-48

Overall COPD	RPTOR	cg13098428	rs4969277	T	C	-0.384	0.030	0.184	1.79E-36	0.011	0.009	0.208	0.041	159.001	TRUE	1.98E-35
Overall COPD	RPTOR	cg13136721	rs11150760	A	G	0.310	0.030	0.178	2.58E-24	-0.009	0.009	0.310	0.027	103.464	TRUE	9.64E-24
Overall COPD	RPTOR	cg13136721	rs1137045	G	A	0.143	0.023	0.472	5.52E-10	0.011	0.008	0.164	0.010	38.464	TRUE	1.08E-09
Overall COPD	RPTOR	cg13136721	rs11653319	T	C	-0.277	0.027	0.291	1.39E-24	-0.019	0.009	0.036	0.028	104.691	TRUE	1.02E-23
Overall COPD	RPTOR	cg13136721	rs117763980	T	C	-0.493	0.055	0.043	2.04E-19	-0.016	0.016	0.340	0.021	81.157	TRUE	5.47E-19
Overall COPD	RPTOR	cg13136721	rs139078473	A	G	0.434	0.051	0.052	1.60E-17	0.008	0.015	0.615	0.019	72.549	TRUE	3.07E-17
Overall COPD	RPTOR	cg13136721	rs17848659	T	G	-0.346	0.025	0.330	7.23E-45	0.000	0.007	0.984	0.051	197.420	TRUE	6.26E-44
Overall COPD	RPTOR	cg13136721	rs34781048	A	G	-0.879	0.020	0.434	<1E-200	-0.003	0.007	0.678	0.340	1907.260	TRUE	<1E-200
Overall COPD	RPTOR	cg13136721	rs35439443	A	G	-0.543	0.068	0.033	1.53E-15	0.018	0.020	0.371	0.017	63.553	TRUE	3.25E-15
Overall COPD	RPTOR	cg13136721	rs36022926	T	A	0.157	0.027	0.250	6.51E-09	-0.013	0.008	0.127	0.009	33.659	TRUE	1.26E-08
Overall COPD	RPTOR	cg13136721	rs4969229	T	C	-0.552	0.081	0.050	8.64E-12	0.012	0.016	0.472	0.012	46.589	TRUE	1.42E-11
Overall COPD	RPTOR	cg13136721	rs4969300	A	G	0.285	0.035	0.120	8.67E-16	0.000	0.011	0.981	0.017	64.678	TRUE	1.22E-15
Overall COPD	RPTOR	cg13136721	rs7207052	T	C	-0.391	0.042	0.196	2.78E-20	0.004	0.008	0.626	0.022	85.091	TRUE	6.08E-20
Overall COPD	RPTOR	cg13136721	rs7221927	C	T	0.240	0.025	0.354	1.15E-22	-0.003	0.008	0.658	0.025	95.943	TRUE	2.78E-22
Overall COPD	RPTOR	cg13136721	rs72850576	A	C	0.413	0.032	0.155	5.45E-37	0.005	0.011	0.676	0.042	161.365	TRUE	3.35E-36
Overall COPD	RPTOR	cg13136721	rs74387351	A	C	-0.317	0.042	0.102	2.93E-14	-0.002	0.010	0.854	0.015	57.748	TRUE	4.22E-14
Overall COPD	RPTOR	cg13136721	rs8069265	C	T	0.133	0.024	0.446	1.57E-08	0.008	0.007	0.237	0.009	31.943	TRUE	2.66E-08
Overall COPD	RPTOR	cg13136721	rs8070693	C	T	-0.356	0.044	0.082	2.88E-16	-0.011	0.012	0.373	0.018	66.846	TRUE	6.32E-16
Overall COPD	RPTOR	cg13311292	rs7503757	G	A	-0.255	0.037	0.112	9.80E-12	0.032	0.012	0.006	0.012	46.343	TRUE	3.63E-11
Overall COPD	RPTOR	cg13526488	rs11150745	G	A	-0.386	0.025	0.314	6.66E-54	-0.005	0.007	0.469	0.061	238.820	TRUE	2.61E-52
Overall COPD	RPTOR	cg13526488	rs112384134	C	T	-0.814	0.125	0.023	7.36E-11	-0.004	0.022	0.867	0.011	42.397	TRUE	9.38E-11
Overall COPD	RPTOR	cg13526488	rs118107399	T	C	0.902	0.149	0.014	1.29E-09	-0.017	0.033	0.611	0.010	36.814	TRUE	1.79E-09
Overall COPD	RPTOR	cg13526488	rs2340773	T	C	0.794	0.036	0.116	6.27E-107	0.024	0.011	0.022	0.115	482.186	TRUE	5.92E-101
Overall COPD	RPTOR	cg13526488	rs2672893	A	G	0.204	0.031	0.160	5.70E-11	0.009	0.010	0.395	0.011	42.898	TRUE	9.54E-11
Overall COPD	RPTOR	cg13526488	rs4375716	T	G	-0.276	0.029	0.194	3.63E-21	-0.009	0.008	0.291	0.024	89.116	TRUE	1.14E-20
Overall COPD	RPTOR	cg13526488	rs58419250	A	G	-0.185	0.031	0.184	1.71E-09	0.010	0.009	0.229	0.010	36.262	TRUE	3.05E-09
Overall COPD	RPTOR	cg13526488	rs7210110	A	G	-0.883	0.028	0.200	3.53E-222	0.009	0.009	0.300	0.215	1011.906	TRUE	6.52E-203
Overall COPD	RPTOR	cg13526488	rs72852801	A	G	-0.478	0.044	0.076	1.46E-27	-0.011	0.013	0.402	0.031	118.272	TRUE	6.08E-27
Overall COPD	RPTOR	cg13526488	rs72853728	C	T	-0.340	0.033	0.144	2.46E-24	0.005	0.010	0.641	0.027	103.559	TRUE	6.60E-24
Overall COPD	RPTOR	cg13549638	rs12937510	T	C	-0.236	0.027	0.241	1.39E-18	-0.005	0.008	0.492	0.020	77.367	TRUE	3.09E-18
Overall COPD	RPTOR	cg13549638	rs2333984	G	A	0.639	0.028	0.203	1.25E-112	0.006	0.009	0.500	0.121	508.379	TRUE	4.66E-107
Overall COPD	RPTOR	cg13549638	rs55735336	T	C	-0.211	0.037	0.114	1.37E-08	0.004	0.010	0.715	0.009	32.208	TRUE	1.76E-08
Overall COPD	RPTOR	cg13549638	rs57860295	A	G	0.174	0.028	0.247	3.04E-10	0.006	0.008	0.443	0.011	39.624	TRUE	4.78E-10
Overall COPD	RPTOR	cg13549638	rs62068487	A	G	-0.197	0.025	0.319	6.47E-15	0.011	0.007	0.122	0.016	60.720	TRUE	1.80E-14
Overall COPD	RPTOR	cg13549638	rs72853711	C	T	0.236	0.037	0.115	1.43E-10	-0.016	0.011	0.134	0.011	41.105	TRUE	3.01E-10
Overall COPD	RPTOR	cg13549638	rs72853757	C	T	0.194	0.033	0.146	4.91E-09	-0.011	0.009	0.263	0.009	34.205	TRUE	8.32E-09
Overall COPD	RPTOR	cg13549638	rs7502841	A	G	0.263	0.027	0.232	1.06E-21	-0.007	0.008	0.390	0.024	91.549	TRUE	3.08E-21
Overall COPD	RPTOR	cg13643509	rs8077224	A	G	-0.134	0.023	0.428	1.24E-08	0.007	0.008	0.381	0.009	32.404	TRUE	1.90E-08
Overall COPD	RPTOR	cg13762486	rs2138119	C	G	-0.164	0.025	0.346	2.80E-11	-0.008	0.007	0.272	0.012	44.288	TRUE	5.25E-11
Overall COPD	RPTOR	cg13762486	rs4969314	G	T	0.335	0.025	0.316	1.01E-39	0.006	0.008	0.400	0.045	173.864	TRUE	1.08E-38
Overall COPD	RPTOR	cg13762486	rs7219221	G	A	-0.208	0.034	0.173	9.68E-10	0.009	0.009	0.329	0.010	37.368	TRUE	1.61E-09
Overall COPD	RPTOR	cg13831388	rs11656246	A	G	0.309	0.026	0.241	7.92E-32	-0.005	0.008	0.487	0.036	137.761	TRUE	4.03E-31

Overall COPD	RPTOR	cg14073057	rs9915426	G	A	-0.225	0.029	0.202	1.24E-14	0.010	0.009	0.265	0.016	59.443	TRUE	2.77E-14
Overall COPD	RPTOR	cg14289594	rs12937265	T	C	-0.189	0.025	0.320	1.88E-14	-0.001	0.007	0.914	0.016	58.627	TRUE	2.62E-14
Overall COPD	RPTOR	cg14343513	rs11150745	G	A	-0.276	0.025	0.314	7.37E-28	-0.005	0.007	0.469	0.031	119.634	TRUE	2.90E-27
Overall COPD	RPTOR	cg14343513	rs11655574	A	G	0.149	0.025	0.361	3.22E-09	0.012	0.007	0.100	0.009	35.026	TRUE	6.64E-09
Overall COPD	RPTOR	cg14343513	rs118107399	T	C	1.087	0.148	0.014	2.30E-13	-0.017	0.033	0.611	0.014	53.705	TRUE	3.69E-13
Overall COPD	RPTOR	cg14343513	rs12950676	T	C	-0.270	0.024	0.431	4.19E-30	-0.012	0.009	0.172	0.034	129.885	TRUE	2.97E-29
Overall COPD	RPTOR	cg14343513	rs2672890	T	C	0.230	0.042	0.178	3.64E-08	0.005	0.009	0.540	0.008	30.313	TRUE	5.00E-08
Overall COPD	RPTOR	cg14343513	rs35926934	A	G	0.966	0.035	0.117	2.56E-165	-0.023	0.011	0.030	0.169	750.495	TRUE	3.45E-153
Overall COPD	RPTOR	cg14343513	rs55959137	G	A	-0.251	0.024	0.493	1.50E-26	-0.008	0.007	0.230	0.030	113.663	TRUE	7.31E-26
Overall COPD	RPTOR	cg14343513	rs62070202	T	C	-0.256	0.042	0.079	1.12E-09	0.012	0.014	0.377	0.010	37.085	TRUE	1.79E-09
Overall COPD	RPTOR	cg14343513	rs72859613	T	C	0.466	0.073	0.020	1.82E-10	-0.008	0.022	0.716	0.011	40.630	TRUE	2.47E-10
Overall COPD	RPTOR	cg14343513	rs734338	A	G	-0.167	0.023	0.497	1.08E-12	-0.003	0.007	0.703	0.014	50.662	TRUE	1.60E-12
Overall COPD	RPTOR	cg14600877	rs113059224	A	G	-0.279	0.043	0.070	9.67E-11	-0.018	0.012	0.117	0.011	41.865	TRUE	2.12E-10
Overall COPD	RPTOR	cg14600877	rs113714895	T	C	-0.457	0.043	0.080	6.59E-27	-0.017	0.012	0.135	0.030	115.288	TRUE	3.98E-26
Overall COPD	RPTOR	cg14600877	rs11650195	C	T	-0.180	0.033	0.404	3.24E-08	0.001	0.007	0.921	0.008	30.542	TRUE	3.74E-08
Overall COPD	RPTOR	cg14600877	rs12449867	C	T	0.172	0.025	0.343	2.38E-12	0.008	0.008	0.305	0.013	49.119	TRUE	4.55E-12
Overall COPD	RPTOR	cg14600877	rs139078473	A	G	0.381	0.051	0.052	8.67E-14	0.008	0.015	0.615	0.015	55.616	TRUE	1.41E-13
Overall COPD	RPTOR	cg14600877	rs36022926	T	A	0.154	0.027	0.250	1.18E-08	-0.013	0.008	0.127	0.009	32.502	TRUE	2.25E-08
Overall COPD	RPTOR	cg14600877	rs4969236	C	T	-0.296	0.023	0.495	7.28E-37	-0.004	0.007	0.579	0.042	160.790	TRUE	4.91E-36
Overall COPD	RPTOR	cg14600877	rs4969323	C	G	0.219	0.030	0.203	3.46E-13	0.011	0.009	0.251	0.014	52.901	TRUE	7.28E-13
Overall COPD	RPTOR	cg14600877	rs56412625	G	A	0.170	0.027	0.250	2.21E-10	0.003	0.008	0.712	0.011	40.253	TRUE	2.99E-10
Overall COPD	RPTOR	cg14600877	rs58642634	T	C	-0.502	0.047	0.076	8.00E-27	0.024	0.013	0.067	0.030	114.906	TRUE	5.93E-26
Overall COPD	RPTOR	cg14600877	rs62075409	A	G	0.443	0.029	0.190	5.49E-52	-0.009	0.009	0.313	0.059	230.039	TRUE	2.25E-50
Overall COPD	RPTOR	cg14600877	rs6565524	T	C	-0.353	0.040	0.098	1.56E-18	0.021	0.012	0.063	0.020	77.137	TRUE	6.40E-18
Overall COPD	RPTOR	cg14600877	rs71368095	A	G	-0.521	0.027	0.219	2.72E-81	-0.001	0.008	0.861	0.090	364.461	TRUE	2.16E-78
Overall COPD	RPTOR	cg14600877	rs72859646	T	C	0.428	0.068	0.026	3.77E-10	-0.014	0.020	0.473	0.010	39.209	TRUE	5.79E-10
Overall COPD	RPTOR	cg14600877	rs7502563	A	G	-1.043	0.017	0.391	<1E-200	-0.003	0.007	0.689	0.501	3712.236	TRUE	<1E-200
Overall COPD	RPTOR	cg14600877	rs78595627	T	C	-0.301	0.042	0.102	5.74E-13	-0.002	0.010	0.856	0.014	51.905	TRUE	7.88E-13
Overall COPD	RPTOR	cg14600877	rs8081382	A	T	0.183	0.024	0.391	2.48E-14	0.007	0.007	0.333	0.015	58.080	TRUE	5.11E-14
Overall COPD	RPTOR	cg14600877	rs9911223	A	G	0.378	0.025	0.310	3.66E-52	0.012	0.008	0.117	0.059	230.848	TRUE	2.52E-50
Overall COPD	RPTOR	cg14647957	rs111492191	A	G	-0.320	0.055	0.043	5.75E-09	0.009	0.016	0.565	0.009	33.899	TRUE	8.01E-09
Overall COPD	RPTOR	cg14647957	rs17848624	C	A	-0.260	0.041	0.088	3.57E-10	-0.015	0.012	0.216	0.011	39.314	TRUE	6.68E-10
Overall COPD	RPTOR	cg14647957	rs2589132	C	T	0.137	0.023	0.485	5.22E-09	0.001	0.007	0.842	0.009	34.086	TRUE	6.38E-09
Overall COPD	RPTOR	cg14647957	rs34713877	A	G	-0.506	0.091	0.036	3.00E-08	0.004	0.019	0.845	0.008	30.692	TRUE	3.58E-08
Overall COPD	RPTOR	cg14647957	rs4969282	T	G	-0.669	0.032	0.139	6.51E-95	0.009	0.010	0.395	0.103	427.000	TRUE	1.05E-90
Overall COPD	RPTOR	cg14780427	rs11150747	T	C	-0.442	0.027	0.249	1.99E-60	0.002	0.008	0.785	0.068	268.736	TRUE	1.07E-58
Overall COPD	RPTOR	cg14780427	rs11651724	A	G	-0.466	0.037	0.117	7.11E-37	0.000	0.010	0.963	0.042	160.837	TRUE	3.28E-36
Overall COPD	RPTOR	cg14780427	rs117209908	A	G	-0.628	0.050	0.059	4.48E-36	0.033	0.015	0.025	0.041	157.181	TRUE	9.82E-35
Overall COPD	RPTOR	cg14780427	rs117805133	T	C	-0.560	0.089	0.017	3.25E-10	0.002	0.029	0.952	0.011	39.498	TRUE	3.90E-10
Overall COPD	RPTOR	cg14780427	rs118107399	T	C	0.950	0.149	0.014	1.57E-10	-0.017	0.033	0.611	0.011	40.915	TRUE	2.26E-10
Overall COPD	RPTOR	cg14780427	rs12949279	C	T	0.806	0.020	0.440	<1E-200	0.003	0.007	0.624	0.303	1605.490	TRUE	<1E-200
Overall COPD	RPTOR	cg14780427	rs4890035	A	G	-0.192	0.029	0.198	4.43E-11	-0.010	0.009	0.298	0.012	43.391	TRUE	8.03E-11

Overall COPD	RPTOR	cg14780427	rs62067893	T	C	-0.838	0.069	0.037	5.64E-34	0.000	0.020	0.991	0.038	147.577	TRUE	2.06E-33
Overall COPD	RPTOR	cg14780427	rs72856006	G	C	-0.509	0.036	0.120	2.05E-46	-0.012	0.010	0.240	0.052	204.509	TRUE	5.40E-45
Overall COPD	RPTOR	cg14780427	rs72858264	C	A	0.536	0.066	0.031	4.76E-16	-0.019	0.022	0.377	0.017	65.858	TRUE	1.03E-15
Overall COPD	RPTOR	cg14780427	rs8069320	C	A	0.253	0.024	0.490	7.66E-27	-0.003	0.007	0.694	0.030	114.992	TRUE	2.28E-26
Overall COPD	RPTOR	cg14780427	rs9908112	A	G	0.904	0.036	0.116	3.95E-141	0.023	0.011	0.036	0.147	639.320	TRUE	7.00E-132
Overall COPD	RPTOR	cg15022015	rs2280147	C	T	0.187	0.027	0.225	5.46E-12	-0.005	0.008	0.550	0.013	47.489	TRUE	8.61E-12
Overall COPD	RPTOR	cg15022015	rs71368095	A	G	-0.155	0.028	0.219	2.09E-08	-0.001	0.008	0.861	0.008	31.394	TRUE	2.49E-08
Overall COPD	RPTOR	cg15096353	rs114177791	T	G	0.247	0.028	0.215	3.34E-18	-0.005	0.009	0.580	0.020	75.638	TRUE	6.80E-18
Overall COPD	RPTOR	cg15096353	rs117117100	A	G	0.492	0.075	0.024	6.52E-11	0.025	0.018	0.179	0.011	42.634	TRUE	1.32E-10
Overall COPD	RPTOR	cg15096353	rs117209908	A	G	0.546	0.050	0.059	1.48E-27	0.033	0.015	0.025	0.031	118.246	TRUE	1.51E-26
Overall COPD	RPTOR	cg15096353	rs117805133	T	C	0.579	0.089	0.017	7.07E-11	0.002	0.029	0.952	0.011	42.477	TRUE	8.64E-11
Overall COPD	RPTOR	cg15096353	rs12452137	G	A	0.728	0.026	0.249	2.36E-170	0.005	0.008	0.545	0.173	773.639	TRUE	1.14E-158
Overall COPD	RPTOR	cg15096353	rs2589138	T	C	-0.244	0.028	0.230	3.36E-18	-0.003	0.009	0.764	0.020	75.626	TRUE	6.00E-18
Overall COPD	RPTOR	cg15096353	rs35832855	C	T	0.132	0.024	0.436	2.10E-08	-0.001	0.007	0.849	0.008	31.381	TRUE	2.52E-08
Overall COPD	RPTOR	cg15096353	rs62067893	T	C	0.520	0.069	0.037	7.26E-14	0.000	0.020	0.991	0.015	55.967	TRUE	9.51E-14
Overall COPD	RPTOR	cg15096353	rs62944760	C	A	-0.395	0.042	0.084	5.41E-21	-0.016	0.012	0.208	0.023	88.331	TRUE	1.88E-20
Overall COPD	RPTOR	cg15096353	rs72853735	G	A	0.326	0.036	0.118	1.57E-19	-0.012	0.010	0.240	0.022	81.678	TRUE	4.76E-19
Overall COPD	RPTOR	cg15097361	rs11150745	G	A	-0.240	0.025	0.314	2.04E-21	-0.005	0.007	0.469	0.024	90.253	TRUE	5.41E-21
Overall COPD	RPTOR	cg15097361	rs118011999	A	G	-0.731	0.115	0.024	1.71E-10	0.025	0.023	0.261	0.011	40.753	TRUE	3.11E-10
Overall COPD	RPTOR	cg15097361	rs12943620	T	G	-0.200	0.027	0.225	1.86E-13	0.002	0.009	0.771	0.014	54.116	TRUE	2.73E-13
Overall COPD	RPTOR	cg15097361	rs2048753	A	G	-0.217	0.027	0.250	2.49E-16	-0.008	0.008	0.306	0.018	67.131	TRUE	5.85E-16
Overall COPD	RPTOR	cg15097361	rs35352641	T	C	-0.735	0.038	0.209	1.04E-83	-0.004	0.009	0.615	0.092	375.566	TRUE	1.72E-80
Overall COPD	RPTOR	cg15097361	rs7219745	C	A	0.263	0.033	0.141	2.44E-15	0.003	0.010	0.733	0.017	62.643	TRUE	3.93E-15
Overall COPD	RPTOR	cg15097361	rs7221948	C	T	-0.241	0.024	0.410	1.04E-23	-0.001	0.007	0.937	0.027	100.695	TRUE	2.15E-23
Overall COPD	RPTOR	cg15097361	rs7223529	A	T	0.167	0.028	0.228	2.16E-09	-0.008	0.008	0.328	0.010	35.801	TRUE	3.54E-09
Overall COPD	RPTOR	cg15097361	rs72858264	C	A	-0.416	0.066	0.031	3.35E-10	-0.019	0.022	0.377	0.011	39.436	TRUE	5.49E-10
Overall COPD	RPTOR	cg15097361	rs75293675	T	C	0.235	0.031	0.168	6.57E-14	0.021	0.009	0.021	0.015	56.163	TRUE	2.40E-13
Overall COPD	RPTOR	cg15116918	rs7209576	A	G	0.149	0.023	0.452	1.80E-10	0.002	0.007	0.725	0.011	40.654	TRUE	2.43E-10
Overall COPD	RPTOR	cg15228441	rs2048753	A	G	-0.173	0.027	0.250	6.76E-11	-0.008	0.008	0.306	0.011	42.566	TRUE	1.21E-10
Overall COPD	RPTOR	cg15228441	rs2672871	C	G	0.219	0.030	0.187	2.82E-13	0.018	0.009	0.040	0.014	53.299	TRUE	8.85E-13
Overall COPD	RPTOR	cg15228441	rs2672893	A	G	0.216	0.031	0.160	4.00E-12	0.009	0.010	0.395	0.013	48.096	TRUE	7.06E-12
Overall COPD	RPTOR	cg15228441	rs28377011	C	T	-0.322	0.042	0.082	1.71E-14	-0.009	0.013	0.456	0.016	58.812	TRUE	3.20E-14
Overall COPD	RPTOR	cg15228441	rs35352641	T	C	-0.634	0.038	0.209	1.43E-61	-0.004	0.009	0.615	0.069	273.981	TRUE	1.10E-59
Overall COPD	RPTOR	cg15230985	rs117219902	A	G	-0.250	0.045	0.072	3.18E-08	0.003	0.013	0.816	0.008	30.580	TRUE	3.84E-08
Overall COPD	RPTOR	cg15230985	rs118107399	T	C	0.917	0.149	0.014	6.62E-10	-0.017	0.033	0.611	0.010	38.108	TRUE	9.32E-10
Overall COPD	RPTOR	cg15230985	rs35926934	A	G	0.809	0.036	0.117	6.02E-113	-0.023	0.011	0.030	0.121	509.828	TRUE	1.69E-106
Overall COPD	RPTOR	cg15230985	rs4453556	G	A	0.186	0.024	0.417	4.35E-15	0.004	0.007	0.569	0.016	61.504	TRUE	7.72E-15
Overall COPD	RPTOR	cg15230985	rs4969230	C	T	-0.377	0.024	0.401	1.49E-56	-0.013	0.007	0.058	0.064	250.973	TRUE	2.33E-54
Overall COPD	RPTOR	cg15230985	rs62069691	T	A	-0.349	0.041	0.087	2.33E-17	-0.014	0.011	0.211	0.019	71.805	TRUE	6.48E-17
Overall COPD	RPTOR	cg15230985	rs9904611	A	G	-0.168	0.027	0.254	9.68E-10	0.009	0.008	0.280	0.010	37.368	TRUE	1.67E-09
Overall COPD	RPTOR	cg15358690	rs113059224	A	G	-0.369	0.043	0.070	9.53E-18	-0.018	0.012	0.117	0.020	73.569	TRUE	3.19E-17
Overall COPD	RPTOR	cg15358690	rs113335931	G	A	0.200	0.033	0.150	7.33E-10	0.003	0.010	0.730	0.010	37.909	TRUE	9.70E-10

Overall COPD	RPTOR	cg15358690	rs113714895	T	C	-0.503	0.042	0.080	2.04E-32	-0.017	0.012	0.135	0.037	140.457	TRUE	1.89E-31
Overall COPD	RPTOR	cg15358690	rs11651707	T	C	-0.877	0.023	0.245	<1E-200	-0.001	0.008	0.861	0.278	1425.488	TRUE	1.61E-277
Overall COPD	RPTOR	cg15358690	rs11655877	C	T	-0.296	0.023	0.406	1.86E-36	-0.006	0.007	0.370	0.041	158.927	TRUE	1.57E-35
Overall COPD	RPTOR	cg15358690	rs11868966	C	A	0.401	0.032	0.167	7.07E-37	0.003	0.010	0.747	0.042	160.846	TRUE	4.02E-36
Overall COPD	RPTOR	cg15358690	rs12449867	C	T	0.146	0.025	0.343	3.26E-09	0.008	0.008	0.305	0.009	35.006	TRUE	5.38E-09
Overall COPD	RPTOR	cg15358690	rs183036865	A	G	-0.359	0.056	0.041	1.75E-10	-0.005	0.017	0.768	0.011	40.709	TRUE	2.31E-10
Overall COPD	RPTOR	cg15358690	rs62068550	A	G	0.304	0.035	0.143	1.58E-18	0.022	0.012	0.063	0.020	77.112	TRUE	6.48E-18
Overall COPD	RPTOR	cg15358690	rs72851827	A	G	0.272	0.050	0.080	4.25E-08	0.023	0.013	0.077	0.008	30.015	TRUE	8.52E-08
Overall COPD	RPTOR	cg15358690	rs868432	A	G	-0.393	0.023	0.444	1.21E-65	-0.023	0.007	0.002	0.073	292.661	TRUE	2.07E-62
Overall COPD	RPTOR	cg15358690	rs908236	C	G	0.139	0.025	0.351	2.01E-08	-0.009	0.007	0.196	0.008	31.471	TRUE	3.50E-08
Overall COPD	RPTOR	cg15358690	rs9899178	T	C	-0.367	0.025	0.354	1.78E-49	-0.007	0.007	0.343	0.056	218.531	TRUE	5.30E-48
Overall COPD	RPTOR	cg15476425	rs2589135	T	C	-0.137	0.024	0.457	6.25E-09	0.001	0.007	0.848	0.009	33.737	TRUE	7.60E-09
Overall COPD	RPTOR	cg15476425	rs56233717	C	T	0.404	0.036	0.264	1.89E-28	-0.005	0.008	0.539	0.032	122.327	TRUE	7.21E-28
Overall COPD	RPTOR	cg15616522	rs2589119	A	G	0.208	0.036	0.117	9.32E-09	0.008	0.012	0.471	0.009	32.961	TRUE	1.36E-08
Overall COPD	RPTOR	cg15616522	rs2589131	A	G	0.205	0.033	0.152	9.20E-10	0.011	0.013	0.377	0.010	37.466	TRUE	1.48E-09
Overall COPD	RPTOR	cg15616522	rs4969426	A	T	0.201	0.024	0.375	1.94E-17	0.004	0.007	0.554	0.019	72.163	TRUE	3.89E-17
Overall COPD	RPTOR	cg15616522	rs6565473	C	T	0.166	0.023	0.472	1.34E-12	0.002	0.007	0.782	0.013	50.246	TRUE	1.89E-12
Overall COPD	RPTOR	cg15616522	rs7212390	A	G	-0.503	0.029	0.198	2.91E-67	0.011	0.009	0.199	0.075	300.085	TRUE	1.01E-64
Overall COPD	RPTOR	cg15616522	rs75747760	T	C	-0.309	0.041	0.088	5.41E-14	-0.012	0.013	0.329	0.015	56.546	TRUE	1.10E-13
Overall COPD	RPTOR	cg15694704	rs115579065	T	C	-0.302	0.044	0.089	8.89E-12	-0.007	0.011	0.533	0.012	46.534	TRUE	1.41E-11
Overall COPD	RPTOR	cg15694704	rs2672878	T	C	0.233	0.026	0.263	5.95E-19	-0.002	0.007	0.742	0.021	79.042	TRUE	1.12E-18
Overall COPD	RPTOR	cg15694704	rs4306553	A	G	-0.134	0.024	0.395	2.58E-08	0.009	0.007	0.205	0.008	30.982	TRUE	4.44E-08
Overall COPD	RPTOR	cg15694704	rs4969285	G	C	0.163	0.025	0.333	9.21E-11	0.000	0.007	0.946	0.011	41.959	TRUE	1.13E-10
Overall COPD	RPTOR	cg15694704	rs4969323	C	G	0.219	0.030	0.203	4.01E-13	0.011	0.009	0.251	0.014	52.610	TRUE	8.42E-13
Overall COPD	RPTOR	cg15694704	rs9898178	G	A	0.182	0.033	0.138	4.86E-08	-0.002	0.010	0.816	0.008	29.756	TRUE	5.85E-08
Overall COPD	RPTOR	cg15815120	rs11150745	G	A	0.161	0.025	0.314	1.08E-10	-0.005	0.007	0.469	0.011	41.644	TRUE	1.70E-10
Overall COPD	RPTOR	cg15815120	rs62069406	C	T	0.591	0.054	0.051	1.02E-27	-0.013	0.016	0.417	0.031	118.981	TRUE	4.22E-27
Overall COPD	RPTOR	cg15815120	rs9893956	C	G	-0.301	0.030	0.184	1.55E-23	0.011	0.009	0.207	0.026	99.913	TRUE	6.38E-23
Overall COPD	RPTOR	cg15815120	rs9897426	T	A	0.205	0.029	0.198	1.92E-12	0.010	0.009	0.234	0.013	49.537	TRUE	3.96E-12
Overall COPD	RPTOR	cg15826479	rs2672871	C	G	-0.286	0.030	0.187	1.23E-21	0.018	0.009	0.040	0.024	91.266	TRUE	6.97E-21
Overall COPD	RPTOR	cg15946337	rs201407779	A	G	-0.276	0.041	0.090	1.56E-11	-0.015	0.012	0.208	0.012	45.431	TRUE	3.16E-11
Overall COPD	RPTOR	cg15946337	rs72853711	C	T	-0.268	0.037	0.115	3.01E-13	-0.016	0.011	0.134	0.014	53.176	TRUE	7.40E-13
Overall COPD	RPTOR	cg15946337	rs9909563	T	A	-0.345	0.027	0.269	2.64E-38	0.003	0.008	0.676	0.043	167.379	TRUE	1.80E-37
Overall COPD	RPTOR	cg16015295	rs10871489	G	A	-0.145	0.026	0.301	1.46E-08	0.012	0.008	0.126	0.009	32.089	TRUE	2.78E-08
Overall COPD	RPTOR	cg16015295	rs11150745	G	A	-0.357	0.025	0.314	5.85E-46	-0.005	0.007	0.469	0.052	202.422	TRUE	1.01E-44
Overall COPD	RPTOR	cg16015295	rs1131609	A	G	-0.215	0.027	0.243	5.77E-16	0.002	0.009	0.771	0.017	65.480	TRUE	9.31E-16
Overall COPD	RPTOR	cg16015295	rs118107399	T	C	0.928	0.149	0.014	4.19E-10	-0.017	0.033	0.611	0.010	39.003	TRUE	5.93E-10
Overall COPD	RPTOR	cg16015295	rs2340773	T	C	0.880	0.036	0.116	3.96E-133	0.024	0.011	0.022	0.140	602.553	TRUE	1.29E-124
Overall COPD	RPTOR	cg16015295	rs4889856	C	T	-0.153	0.023	0.435	6.70E-11	-0.006	0.007	0.354	0.011	42.580	TRUE	1.15E-10
Overall COPD	RPTOR	cg16015295	rs4969404	T	C	-0.175	0.024	0.402	3.50E-13	-0.016	0.008	0.053	0.014	52.875	TRUE	1.04E-12
Overall COPD	RPTOR	cg16015295	rs62067183	T	C	-0.137	0.024	0.395	1.16E-08	-0.001	0.007	0.910	0.009	32.528	TRUE	1.37E-08
Overall COPD	RPTOR	cg16015295	rs7217174	T	C	-0.687	0.028	0.201	7.30E-129	0.009	0.009	0.302	0.136	582.955	TRUE	1.48E-121

Overall COPD	RPTOR	cg16015295	rs72852801	A	G	-0.386	0.044	0.076	1.89E-18	-0.011	0.013	0.402	0.020	76.760	TRUE	4.53E-18
Overall COPD	RPTOR	cg16015295	rs72853728	C	T	-0.294	0.034	0.144	1.64E-18	0.005	0.010	0.641	0.020	77.037	TRUE	3.25E-18
Overall COPD	RPTOR	cg16015295	rs72859613	T	C	0.403	0.073	0.020	3.50E-08	-0.008	0.022	0.716	0.008	30.394	TRUE	4.41E-08
Overall COPD	RPTOR	cg16018154	rs113714895	T	C	-0.474	0.043	0.080	7.17E-29	-0.017	0.012	0.135	0.032	124.252	TRUE	5.02E-28
Overall COPD	RPTOR	cg16018154	rs11658145	C	T	0.162	0.027	0.246	2.12E-09	0.004	0.009	0.642	0.010	35.837	TRUE	2.89E-09
Overall COPD	RPTOR	cg16018154	rs11868266	C	G	0.168	0.027	0.251	1.02E-09	0.005	0.008	0.530	0.010	37.260	TRUE	1.49E-09
Overall COPD	RPTOR	cg16018154	rs4969236	C	T	-0.283	0.023	0.495	7.85E-34	-0.004	0.007	0.579	0.038	146.919	TRUE	4.20E-33
Overall COPD	RPTOR	cg16018154	rs4969238	C	T	0.162	0.024	0.379	2.31E-11	0.007	0.007	0.322	0.012	44.666	TRUE	4.16E-11
Overall COPD	RPTOR	cg16018154	rs4969284	A	G	-0.860	0.020	0.439	<1E-200	0.014	0.007	0.051	0.337	1884.356	TRUE	<1E-200
Overall COPD	RPTOR	cg16018154	rs4969313	A	G	-0.351	0.024	0.391	5.68E-48	-0.003	0.007	0.672	0.054	211.645	TRUE	9.20E-47
Overall COPD	RPTOR	cg16018154	rs58903229	A	T	0.480	0.049	0.080	2.52E-22	0.023	0.013	0.077	0.025	94.395	TRUE	1.28E-21
Overall COPD	RPTOR	cg16018154	rs59695750	T	C	0.158	0.023	0.495	1.80E-11	-0.002	0.007	0.731	0.012	45.150	TRUE	2.51E-11
Overall COPD	RPTOR	cg16018154	rs6565488	A	C	0.539	0.033	0.135	9.83E-60	-0.002	0.010	0.816	0.067	265.556	TRUE	4.68E-58
Overall COPD	RPTOR	cg16018154	rs72857988	T	C	0.386	0.050	0.050	1.36E-14	-0.011	0.013	0.421	0.016	59.255	TRUE	2.64E-14
Overall COPD	RPTOR	cg16018154	rs9915393	G	C	0.169	0.027	0.258	3.50E-10	-0.009	0.008	0.262	0.011	39.350	TRUE	6.28E-10
Overall COPD	RPTOR	cg16115689	rs9912037	A	C	0.167	0.025	0.367	1.53E-11	0.012	0.007	0.091	0.012	45.476	TRUE	3.68E-11
Overall COPD	RPTOR	cg16116279	rs11653319	T	C	-0.162	0.027	0.291	2.44E-09	-0.019	0.009	0.036	0.010	35.570	TRUE	5.95E-09
Overall COPD	RPTOR	cg16116279	rs2289763	G	C	0.263	0.036	0.119	4.50E-13	-0.005	0.011	0.640	0.014	52.382	TRUE	7.02E-13
Overall COPD	RPTOR	cg16116279	rs6565484	C	T	-0.387	0.023	0.485	6.98E-65	-0.017	0.010	0.090	0.073	289.168	TRUE	2.65E-62
Overall COPD	RPTOR	cg16116279	rs72857980	T	C	-0.342	0.050	0.051	8.65E-12	-0.010	0.013	0.453	0.012	46.588	TRUE	1.44E-11
Overall COPD	RPTOR	cg16116279	rs908240	G	A	-0.141	0.024	0.458	2.32E-09	-0.001	0.007	0.874	0.010	35.666	TRUE	2.82E-09
Overall COPD	RPTOR	cg16116279	rs9909367	G	A	-0.221	0.029	0.215	2.97E-14	-0.008	0.008	0.339	0.015	57.724	TRUE	6.06E-14
Overall COPD	RPTOR	cg16541275	rs2672898	C	T	-0.196	0.029	0.206	1.20E-11	0.006	0.009	0.481	0.012	45.947	TRUE	1.95E-11
Overall COPD	RPTOR	cg16565901	rs2291360	A	G	0.192	0.025	0.367	1.09E-14	0.014	0.007	0.044	0.016	59.691	TRUE	3.71E-14
Overall COPD	RPTOR	cg16578291	rs112300010	C	T	-0.201	0.027	0.238	1.87E-13	-0.005	0.008	0.541	0.014	54.104	TRUE	3.16E-13
Overall COPD	RPTOR	cg16636468	rs17848624	C	A	-0.284	0.041	0.088	6.56E-12	-0.015	0.012	0.216	0.013	47.129	TRUE	1.34E-11
Overall COPD	RPTOR	cg16636468	rs7209132	C	T	0.191	0.025	0.365	1.36E-14	0.012	0.007	0.091	0.016	59.259	TRUE	3.95E-14
Overall COPD	RPTOR	cg16636468	rs7212390	A	G	-0.252	0.030	0.198	1.45E-17	0.011	0.009	0.199	0.019	72.737	TRUE	4.16E-17
Overall COPD	RPTOR	cg16638092	rs11150745	G	A	-0.260	0.025	0.314	7.16E-25	-0.005	0.007	0.469	0.028	106.002	TRUE	2.32E-24
Overall COPD	RPTOR	cg16638092	rs114177791	T	G	0.177	0.029	0.215	5.51E-10	-0.005	0.009	0.580	0.010	38.468	TRUE	7.90E-10
Overall COPD	RPTOR	cg16638092	rs62070202	T	C	-0.290	0.042	0.079	4.85E-12	0.012	0.014	0.377	0.013	47.720	TRUE	8.64E-12
Overall COPD	RPTOR	cg16638092	rs7212390	A	G	-0.364	0.029	0.198	6.59E-35	0.011	0.009	0.199	0.039	151.839	TRUE	6.50E-34
Overall COPD	RPTOR	cg16638092	rs72853774	G	T	0.189	0.034	0.138	2.58E-08	-0.014	0.010	0.163	0.008	30.986	TRUE	4.62E-08
Overall COPD	RPTOR	cg16660971	rs2289762	A	G	-0.298	0.027	0.245	4.08E-29	-0.004	0.008	0.571	0.033	125.371	TRUE	1.57E-28
Overall COPD	RPTOR	cg16660971	rs2289764	C	T	0.394	0.027	0.241	2.44E-47	-0.010	0.008	0.239	0.053	208.742	TRUE	7.08E-46
Overall COPD	RPTOR	cg16660971	rs908236	C	G	0.160	0.025	0.351	1.05E-10	-0.009	0.007	0.196	0.011	41.705	TRUE	2.06E-10
Overall COPD	RPTOR	cg16886414	rs113714895	T	C	0.281	0.043	0.080	5.44E-11	-0.017	0.012	0.135	0.011	42.989	TRUE	1.17E-10
Overall COPD	RPTOR	cg16886414	rs12939768	T	A	-1.157	0.020	0.226	<1E-200	-0.018	0.009	0.043	0.465	3208.673	TRUE	<1E-200
Overall COPD	RPTOR	cg16886414	rs142546211	A	G	-0.727	0.109	0.019	2.15E-11	0.000	0.023	0.985	0.012	44.809	TRUE	2.62E-11
Overall COPD	RPTOR	cg16886414	rs183036865	A	G	0.425	0.056	0.041	4.41E-14	-0.005	0.017	0.768	0.015	56.947	TRUE	6.62E-14
Overall COPD	RPTOR	cg16886414	rs2289764	C	T	-0.238	0.027	0.241	4.56E-18	-0.010	0.008	0.239	0.020	75.023	TRUE	1.27E-17
Overall COPD	RPTOR	cg16886414	rs4969219	G	T	-0.147	0.024	0.388	1.27E-09	0.012	0.007	0.080	0.010	36.835	TRUE	2.79E-09

Overall COPD	RPTOR	cg16886414	rs4969329	G	A	0.203	0.028	0.251	2.19E-13	0.008	0.008	0.313	0.014	53.802	TRUE	4.38E-13
Overall COPD	RPTOR	cg16886414	rs72850524	T	C	0.448	0.064	0.037	2.23E-12	0.010	0.017	0.561	0.013	49.246	TRUE	3.55E-12
Overall COPD	RPTOR	cg16886414	rs72859646	T	C	-0.904	0.068	0.026	1.18E-40	-0.014	0.020	0.473	0.046	178.139	TRUE	1.24E-39
Overall COPD	RPTOR	cg16892887	rs11656246	A	G	-0.307	0.026	0.241	4.50E-31	-0.005	0.008	0.487	0.035	134.310	TRUE	2.17E-30
Overall COPD	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	-0.016	0.016	0.340	0.011	40.360	TRUE	3.55E-10
Overall COPD	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	-0.007	0.008	0.390	0.016	60.193	TRUE	1.70E-14
Overall COPD	RPTOR	cg16892887	rs4969293	A	T	0.210	0.028	0.211	1.81E-13	0.000	0.009	0.967	0.014	54.174	TRUE	2.37E-13
Overall COPD	RPTOR	cg16892887	rs4969323	C	G	-0.175	0.030	0.203	5.27E-09	0.011	0.009	0.251	0.009	34.070	TRUE	9.00E-09
Overall COPD	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	-0.014	0.020	0.473	0.011	42.303	TRUE	1.22E-10
Overall COPD	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	-0.023	0.007	0.002	0.011	42.634	TRUE	2.61E-10
Overall COPD	RPTOR	cg16892887	rs908236	C	G	0.462	0.024	0.351	2.49E-82	-0.009	0.007	0.196	0.091	369.231	TRUE	8.08E-79
Overall COPD	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	0.011	0.009	0.208	0.028	105.290	TRUE	4.56E-24
Overall COPD	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	-0.010	0.007	0.155	0.027	101.286	TRUE	3.58E-23
Overall COPD	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	0.002	0.009	0.771	0.008	31.398	TRUE	2.58E-08
Overall COPD	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	-0.014	0.012	0.252	0.022	83.367	TRUE	2.04E-19
Overall COPD	RPTOR	cg16980736	rs2589131	A	G	-0.530	0.033	0.152	1.01E-57	0.011	0.013	0.377	0.065	256.328	TRUE	7.07E-56
Overall COPD	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	-0.006	0.007	0.354	0.008	31.087	TRUE	3.75E-08
Overall COPD	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	-0.007	0.016	0.671	0.024	92.237	TRUE	1.71E-21
Overall COPD	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	0.019	0.010	0.049	0.010	36.268	TRUE	4.00E-09
Overall COPD	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	-0.010	0.018	0.570	0.008	30.872	TRUE	3.71E-08
Overall COPD	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	0.000	0.008	0.962	0.011	39.759	TRUE	3.40E-10
Overall COPD	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	-0.010	0.007	0.175	0.032	122.625	TRUE	1.01E-27
Overall COPD	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	-0.007	0.009	0.397	0.011	42.439	TRUE	1.20E-10
Overall COPD	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	-0.007	0.008	0.390	0.016	59.059	TRUE	2.98E-14
Overall COPD	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	0.023	0.013	0.077	0.010	36.306	TRUE	3.66E-09
Overall COPD	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	-0.005	0.008	0.492	0.056	220.988	TRUE	1.30E-48
Overall COPD	RPTOR	cg17180011	rs4969293	A	T	0.648	0.028	0.211	2.29E-120	0.000	0.009	0.967	0.128	543.915	TRUE	1.83E-114
Overall COPD	RPTOR	cg17180011	rs4969307	C	G	0.245	0.024	0.357	1.60E-23	-0.009	0.007	0.196	0.026	99.850	TRUE	6.70E-23
Overall COPD	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	0.022	0.012	0.063	0.011	39.703	TRUE	6.95E-10
Overall COPD	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	-0.014	0.020	0.473	0.014	53.870	TRUE	3.72E-13
Overall COPD	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	-0.006	0.007	0.440	0.008	29.793	TRUE	6.86E-08
Overall COPD	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	0.018	0.009	0.040	0.279	1428.138	TRUE	2.97E-276
Overall COPD	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	-0.037	0.029	0.203	0.015	56.667	TRUE	1.18E-13
Overall COPD	RPTOR	cg17481637	rs116989815	T	A	-0.576	0.100	0.035	9.75E-09	0.013	0.019	0.507	0.009	32.873	TRUE	1.39E-08
Overall COPD	RPTOR	cg17481637	rs118179825	G	C	-0.577	0.105	0.012	4.31E-08	-0.005	0.028	0.866	0.008	29.990	TRUE	5.08E-08
Overall COPD	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	-0.005	0.009	0.605	0.010	36.376	TRUE	2.24E-09
Overall COPD	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	-0.013	0.009	0.164	0.018	68.429	TRUE	3.68E-16
Overall COPD	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	0.001	0.007	0.848	0.031	116.789	TRUE	8.29E-27
Overall COPD	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	-0.001	0.008	0.896	0.010	35.644	TRUE	2.82E-09
Overall COPD	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	0.011	0.009	0.181	0.014	53.488	TRUE	5.91E-13
Overall COPD	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	-0.014	0.008	0.078	0.022	82.506	TRUE	4.35E-19
Overall COPD	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	0.042	0.029	0.137	0.011	40.621	TRUE	3.82E-10

Overall COPD	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	-0.007	0.008	0.390	0.026	99.279	TRUE	6.86E-23
Overall COPD	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	0.000	0.023	0.985	0.020	74.413	TRUE	9.48E-18
Overall COPD	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	-0.024	0.028	0.395	0.013	48.407	TRUE	6.04E-12
Overall COPD	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	-0.010	0.008	0.239	0.466	3226.955	TRUE	<1E-200
Overall COPD	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	0.001	0.007	0.839	0.008	31.139	TRUE	2.86E-08
Overall COPD	RPTOR	cg17628491	rs4969307	C	G	-0.290	0.024	0.357	1.54E-32	-0.009	0.007	0.196	0.037	141.007	TRUE	1.26E-31
Overall COPD	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	-0.011	0.012	0.333	0.013	49.367	TRUE	3.93E-12
Overall COPD	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	0.022	0.012	0.063	0.017	64.381	TRUE	3.41E-15
Overall COPD	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	-0.004	0.007	0.595	0.075	298.255	TRUE	1.12E-64
Overall COPD	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	-0.016	0.011	0.134	0.009	35.133	TRUE	5.97E-09
Overall COPD	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	-0.014	0.020	0.473	0.050	193.782	TRUE	6.45E-43
Overall COPD	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	0.008	0.023	0.726	0.012	45.677	TRUE	1.93E-11
Overall COPD	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	0.011	0.032	0.721	0.008	31.152	TRUE	3.00E-08
Overall COPD	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	-0.007	0.009	0.397	0.008	30.261	TRUE	5.55E-08
Overall COPD	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	-0.002	0.007	0.742	0.015	55.708	TRUE	1.25E-13
Overall COPD	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	0.014	0.008	0.075	0.032	122.840	TRUE	1.21E-27
Overall COPD	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	0.008	0.007	0.264	0.010	37.304	TRUE	1.75E-09
Overall COPD	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	0.007	0.007	0.353	0.080	320.196	TRUE	5.29E-69
Overall COPD	RPTOR	cg17831694	rs8077305	T	A	-0.167	0.030	0.212	1.71E-08	-0.020	0.011	0.064	0.009	31.786	TRUE	3.61E-08
Overall COPD	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	-0.004	0.010	0.713	0.009	32.807	TRUE	1.30E-08
Overall COPD	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	-0.030	0.019	0.109	0.009	32.642	TRUE	2.16E-08
Overall COPD	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	-0.018	0.012	0.117	0.010	38.913	TRUE	9.24E-10
Overall COPD	RPTOR	cg17906851	rs1137045	G	A	0.136	0.023	0.472	4.58E-09	0.011	0.008	0.164	0.009	34.342	TRUE	8.55E-09
Overall COPD	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	-0.017	0.012	0.135	0.042	161.747	TRUE	6.25E-36
Overall COPD	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	0.008	0.015	0.615	0.018	69.264	TRUE	1.57E-16
Overall COPD	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	0.041	0.027	0.134	0.011	41.759	TRUE	2.17E-10
Overall COPD	RPTOR	cg17906851	rs2289763	G	C	0.267	0.036	0.119	2.68E-13	-0.005	0.011	0.640	0.014	53.403	TRUE	4.21E-13
Overall COPD	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	0.018	0.020	0.371	0.034	129.932	TRUE	2.11E-29
Overall COPD	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	-0.010	0.009	0.284	0.013	46.915	TRUE	1.40E-11
Overall COPD	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	0.014	0.008	0.082	0.112	468.317	TRUE	1.68E-98
Overall COPD	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	0.005	0.007	0.472	0.008	31.275	TRUE	3.18E-08
Overall COPD	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	0.010	0.017	0.561	0.015	54.467	TRUE	2.60E-13
Overall COPD	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	-0.014	0.020	0.473	0.011	41.541	TRUE	1.79E-10
Overall COPD	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	-0.002	0.010	0.854	0.035	133.841	TRUE	1.92E-30
Overall COPD	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	-0.003	0.007	0.689	0.532	4204.107	TRUE	<1E-200
Overall COPD	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	-0.007	0.008	0.390	0.070	277.053	TRUE	3.61E-60
Overall COPD	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	-0.001	0.023	0.953	0.008	31.598	TRUE	2.16E-08
Overall COPD	RPTOR	cg17906851	rs8081382	A	T	0.165	0.024	0.391	6.76E-12	0.007	0.007	0.333	0.013	47.069	TRUE	1.24E-11
Overall COPD	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	-0.023	0.007	0.002	0.052	204.697	TRUE	2.48E-44
Overall COPD	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	0.022	0.010	0.039	0.012	45.994	TRUE	3.30E-11
Overall COPD	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	0.016	0.008	0.054	0.018	68.397	TRUE	4.88E-16
Overall COPD	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	0.001	0.007	0.827	0.036	136.287	TRUE	5.95E-31

Overall COPD	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	-0.004	0.013	0.737	0.008	31.151	TRUE	2.97E-08
Overall COPD	RPTOR	cg17956530	rs4555197	G	C	-0.257	0.027	0.243	3.55E-21	-0.006	0.008	0.443	0.024	89.159	TRUE	9.51E-21
Overall COPD	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	0.018	0.007	0.011	0.020	77.265	TRUE	8.51E-18
Overall COPD	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	0.000	0.011	0.991	0.011	42.769	TRUE	7.31E-11
Overall COPD	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	-0.016	0.011	0.134	0.023	87.291	TRUE	3.59E-20
Overall COPD	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	-0.011	0.009	0.263	0.009	35.276	TRUE	4.85E-09
Overall COPD	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	0.011	0.009	0.181	0.024	89.850	TRUE	9.33E-21
Overall COPD	RPTOR	cg17956530	rs76473598	G	C	-1.119	0.161	0.012	3.40E-12	-0.025	0.027	0.344	0.013	48.417	TRUE	6.26E-12
Overall COPD	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	0.008	0.012	0.497	0.281	1445.230	TRUE	1.77E-280
Overall COPD	RPTOR	cg18091083	rs118179825	G	C	-1.213	0.105	0.012	7.60E-31	-0.005	0.028	0.866	0.035	133.272	TRUE	2.51E-30
Overall COPD	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	0.002	0.007	0.739	0.012	44.645	TRUE	3.23E-11
Overall COPD	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	-0.008	0.008	0.306	0.023	88.440	TRUE	1.57E-20
Overall COPD	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	0.010	0.007	0.169	0.017	65.564	TRUE	1.51E-15
Overall COPD	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	0.001	0.008	0.942	0.031	119.579	TRUE	1.95E-27
Overall COPD	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	-0.018	0.012	0.117	0.014	53.078	TRUE	8.01E-13
Overall COPD	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	0.003	0.010	0.730	0.018	69.142	TRUE	1.54E-16
Overall COPD	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	-0.017	0.012	0.135	0.026	98.870	TRUE	1.22E-22
Overall COPD	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	0.008	0.015	0.615	0.013	50.255	TRUE	2.07E-12
Overall COPD	RPTOR	cg18425700	rs2271610	G	C	0.410	0.033	0.135	1.16E-34	0.002	0.010	0.827	0.039	150.710	TRUE	5.18E-34
Overall COPD	RPTOR	cg18425700	rs36022926	T	A	0.155	0.027	0.250	1.01E-08	-0.013	0.008	0.127	0.009	32.807	TRUE	1.93E-08
Overall COPD	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	-0.004	0.007	0.579	0.035	133.856	TRUE	2.46E-30
Overall COPD	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	0.007	0.007	0.322	0.014	52.062	TRUE	1.03E-12
Overall COPD	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	0.025	0.013	0.057	0.014	50.958	TRUE	2.64E-12
Overall COPD	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	0.003	0.008	0.712	0.009	32.639	TRUE	1.41E-08
Overall COPD	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	0.021	0.012	0.063	0.010	38.274	TRUE	1.42E-09
Overall COPD	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	-0.001	0.008	0.861	0.078	314.425	TRUE	3.68E-68
Overall COPD	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	-0.003	0.007	0.689	0.352	2010.044	TRUE	<1E-200
Overall COPD	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	-0.002	0.010	0.856	0.008	30.398	TRUE	4.14E-08
Overall COPD	RPTOR	cg18425700	rs8081382	A	T	0.141	0.024	0.391	4.77E-09	0.007	0.007	0.333	0.009	34.261	TRUE	7.67E-09
Overall COPD	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	-0.023	0.007	0.002	0.044	171.059	TRUE	2.38E-37
Overall COPD	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	-0.003	0.008	0.658	0.010	36.122	TRUE	2.48E-09
Overall COPD	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	-0.004	0.007	0.593	0.010	38.530	TRUE	7.60E-10
Overall COPD	RPTOR	cg18607849	rs62069420	A	T	-0.830	0.050	0.058	5.35E-63	-0.006	0.016	0.697	0.070	280.523	TRUE	4.37E-61
Overall COPD	RPTOR	cg18612040	rs908236	C	G	-0.181	0.025	0.351	2.11E-13	-0.009	0.007	0.196	0.014	53.870	TRUE	4.79E-13
Overall COPD	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	-0.002	0.007	0.726	0.009	33.015	TRUE	1.16E-08
Overall COPD	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	0.014	0.009	0.105	0.023	85.240	TRUE	1.05E-19
Overall COPD	RPTOR	cg18758433	rs118179825	G	C	0.839	0.105	0.012	1.44E-15	-0.005	0.028	0.866	0.017	63.675	TRUE	2.16E-15
Overall COPD	RPTOR	cg18758433	rs12601434	G	C	-0.312	0.027	0.234	6.97E-31	-0.003	0.008	0.739	0.035	133.445	TRUE	2.58E-30
Overall COPD	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	0.002	0.009	0.771	0.009	35.105	TRUE	3.93E-09
Overall COPD	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	0.014	0.007	0.036	0.077	308.823	TRUE	3.75E-66
Overall COPD	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	0.002	0.012	0.884	0.015	57.192	TRUE	5.47E-14
Overall COPD	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	0.020	0.018	0.245	0.015	54.566	TRUE	3.20E-13

Overall COPD	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	-0.012	0.010	0.240	0.010	36.696	TRUE	2.43E-09
Overall COPD	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	0.000	0.020	0.991	0.010	37.556	TRUE	1.02E-09
Overall COPD	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	0.005	0.008	0.531	0.009	33.443	TRUE	1.03E-08
Overall COPD	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	0.012	0.010	0.213	0.080	319.702	TRUE	9.31E-69
Overall COPD	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	-0.006	0.007	0.354	0.010	36.422	TRUE	2.54E-09
Overall COPD	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	0.001	0.007	0.885	0.009	33.497	TRUE	8.45E-09
Overall COPD	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	0.008	0.015	0.615	0.012	45.247	TRUE	2.55E-11
Overall COPD	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	-0.002	0.007	0.742	0.014	53.123	TRUE	4.56E-13
Overall COPD	RPTOR	cg19060120	rs34781048	A	G	0.164	0.024	0.434	8.07E-12	-0.003	0.007	0.678	0.012	46.724	TRUE	1.17E-11
Overall COPD	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	0.000	0.011	0.991	0.034	130.485	TRUE	8.85E-30
Overall COPD	RPTOR	cg19060120	rs72850576	A	C	-0.185	0.033	0.155	1.48E-08	0.005	0.011	0.676	0.009	32.058	TRUE	1.93E-08
Overall COPD	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	-0.021	0.020	0.305	0.011	41.353	TRUE	2.22E-10
Overall COPD	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	-0.006	0.007	0.370	0.026	99.388	TRUE	6.66E-23
Overall COPD	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	0.041	0.027	0.134	0.029	110.081	TRUE	5.07E-25
Overall COPD	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	0.002	0.010	0.869	0.125	527.692	TRUE	3.51E-111
Overall COPD	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	0.012	0.019	0.544	0.009	33.116	TRUE	1.21E-08
Overall COPD	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	-0.013	0.007	0.075	0.049	190.676	TRUE	6.87E-42
Overall COPD	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	-0.011	0.013	0.421	0.164	725.624	TRUE	2.34E-149
Overall COPD	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	0.006	0.007	0.362	0.022	82.705	TRUE	2.49E-19
Overall COPD	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	-0.007	0.009	0.397	0.012	46.047	TRUE	1.97E-11
Overall COPD	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	-0.002	0.007	0.742	0.035	133.965	TRUE	2.00E-30
Overall COPD	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	0.012	0.016	0.472	0.019	73.524	TRUE	2.11E-17
Overall COPD	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	0.000	0.011	0.981	0.060	237.963	TRUE	2.08E-52
Overall COPD	RPTOR	cg19394169	rs4969323	C	G	-0.255	0.030	0.203	2.72E-17	0.011	0.009	0.251	0.019	71.502	TRUE	7.15E-17
Overall COPD	RPTOR	cg19394169	rs547581211	A	T	0.341	0.059	0.036	6.11E-09	0.006	0.016	0.733	0.009	33.782	TRUE	7.83E-09
Overall COPD	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	-0.006	0.008	0.415	0.012	45.232	TRUE	2.92E-11
Overall COPD	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	0.010	0.008	0.221	0.053	205.905	TRUE	2.87E-45
Overall COPD	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	0.002	0.011	0.838	0.051	197.506	TRUE	7.00E-44
Overall COPD	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	0.007	0.007	0.274	0.441	2922.027	TRUE	<1E-200
Overall COPD	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	-0.014	0.009	0.140	0.050	194.802	TRUE	7.36E-43
Overall COPD	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	0.000	0.007	0.963	0.053	206.602	TRUE	7.59E-46
Overall COPD	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	-0.013	0.007	0.076	0.008	30.878	TRUE	5.54E-08
Overall COPD	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	-0.015	0.012	0.208	0.031	117.133	TRUE	1.39E-26
Overall COPD	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	-0.016	0.011	0.134	0.009	33.866	TRUE	1.13E-08
Overall COPD	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	-0.007	0.016	0.671	0.010	38.061	TRUE	9.25E-10
Overall COPD	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	0.018	0.009	0.040	0.012	44.267	TRUE	7.75E-11
Overall COPD	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	-0.004	0.007	0.593	0.015	56.992	TRUE	7.21E-14
Overall COPD	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	-0.016	0.016	0.322	0.038	144.150	TRUE	2.20E-32
Overall COPD	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	0.011	0.007	0.115	0.488	3524.466	TRUE	<1E-200
Overall COPD	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	0.000	0.010	0.963	0.013	49.906	TRUE	2.03E-12
Overall COPD	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	0.033	0.015	0.025	0.031	117.598	TRUE	2.07E-26
Overall COPD	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	-0.003	0.009	0.744	0.012	45.166	TRUE	2.48E-11

Overall COPD	RPTOR	cg20502501	rs2589131	A	G	-0.258	0.034	0.152	1.64E-14	0.011	0.013	0.377	0.016	58.887	TRUE	3.29E-14
Overall COPD	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	-0.014	0.007	0.069	0.015	56.727	TRUE	1.46E-13
Overall COPD	RPTOR	cg20502501	rs4969426	A	T	-0.179	0.024	0.375	6.79E-14	0.004	0.007	0.554	0.015	56.097	TRUE	1.16E-13
Overall COPD	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	-0.007	0.016	0.671	0.034	129.225	TRUE	2.17E-29
Overall COPD	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	-0.010	0.012	0.401	0.036	138.193	TRUE	3.61E-31
Overall COPD	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	-0.003	0.007	0.694	0.012	44.178	TRUE	4.18E-11
Overall COPD	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	-0.005	0.012	0.653	0.042	162.462	TRUE	2.01E-36
Overall COPD	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	-0.001	0.007	0.937	0.052	203.321	TRUE	3.80E-45
Overall COPD	RPTOR	cg20758492	rs9894515	T	A	-0.363	0.058	0.041	4.72E-10	-0.015	0.018	0.401	0.010	38.767	TRUE	7.57E-10
Overall COPD	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	-0.017	0.033	0.611	0.008	31.647	TRUE	2.45E-08
Overall COPD	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	0.010	0.009	0.240	0.072	287.126	TRUE	4.15E-62
Overall COPD	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	0.002	0.008	0.797	0.011	40.326	TRUE	2.76E-10
Overall COPD	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	0.012	0.007	0.076	0.010	35.825	TRUE	4.66E-09
Overall COPD	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	0.001	0.007	0.935	0.033	124.669	TRUE	1.61E-28
Overall COPD	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	-0.002	0.007	0.726	0.035	132.425	TRUE	4.31E-30
Overall COPD	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	0.002	0.008	0.785	0.019	72.347	TRUE	3.02E-17
Overall COPD	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	-0.003	0.008	0.709	0.304	1614.509	TRUE	<1E-200
Overall COPD	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	0.025	0.023	0.261	0.015	57.513	TRUE	7.27E-14
Overall COPD	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	-0.007	0.007	0.359	0.009	33.969	TRUE	8.73E-09
Overall COPD	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	0.005	0.010	0.643	0.040	155.050	TRUE	7.49E-35
Overall COPD	RPTOR	cg21143224	rs4555197	G	C	0.262	0.027	0.243	5.03E-22	-0.006	0.008	0.443	0.025	93.025	TRUE	1.41E-21
Overall COPD	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	-0.004	0.019	0.828	0.027	101.411	TRUE	1.64E-23
Overall COPD	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	-0.004	0.013	0.779	0.048	187.472	TRUE	9.53E-42
Overall COPD	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	-0.016	0.011	0.134	0.010	38.129	TRUE	1.33E-09
Overall COPD	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	0.002	0.008	0.773	0.023	87.734	TRUE	1.47E-20
Overall COPD	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	0.010	0.009	0.276	0.015	56.424	TRUE	1.23E-13
Overall COPD	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	0.010	0.009	0.255	0.021	80.923	TRUE	6.78E-19
Overall COPD	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	0.002	0.008	0.785	0.011	40.656	TRUE	2.35E-10
Overall COPD	RPTOR	cg21507958	rs118179825	G	C	-0.836	0.105	0.012	2.07E-15	-0.005	0.028	0.866	0.017	62.965	TRUE	3.08E-15
Overall COPD	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	-0.008	0.008	0.306	0.016	60.923	TRUE	1.27E-14
Overall COPD	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	0.001	0.013	0.937	0.019	73.530	TRUE	1.52E-17
Overall COPD	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	0.000	0.024	0.987	0.031	117.654	TRUE	4.84E-27
Overall COPD	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	-0.001	0.023	0.953	0.033	127.980	TRUE	3.12E-29
Overall COPD	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	-0.005	0.008	0.541	0.019	73.517	TRUE	2.01E-17
Overall COPD	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	-0.001	0.008	0.861	0.024	91.490	TRUE	2.15E-21
Overall COPD	RPTOR	cg22255288	rs75032657	G	C	-0.171	0.026	0.242	1.17E-10	-0.001	0.008	0.861	0.011	41.499	TRUE	1.48E-10
Overall COPD	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	0.000	0.007	0.962	0.020	75.074	TRUE	6.92E-18
Overall COPD	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	0.012	0.014	0.377	0.013	47.957	TRUE	7.67E-12
Overall COPD	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	-0.013	0.007	0.058	0.031	118.674	TRUE	9.88E-27
Overall COPD	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	-0.017	0.033	0.611	0.009	32.766	TRUE	1.39E-08
Overall COPD	RPTOR	cg22386583	rs139980334	C	T	-0.297	0.047	0.065	3.04E-10	-0.006	0.017	0.703	0.011	39.627	TRUE	4.13E-10
Overall COPD	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	0.024	0.011	0.022	0.094	384.224	TRUE	2.32E-81

Overall COPD	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	0.004	0.007	0.569	0.014	53.350	TRUE	4.52E-13
Overall COPD	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	-0.017	0.012	0.135	0.009	34.867	TRUE	6.82E-09
Overall COPD	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	-0.005	0.008	0.487	0.054	209.690	TRUE	2.97E-46
Overall COPD	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	-0.008	0.010	0.430	0.009	34.689	TRUE	5.80E-09
Overall COPD	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	-0.007	0.008	0.390	0.056	217.933	TRUE	6.53E-48
Overall COPD	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	0.023	0.013	0.077	0.024	91.304	TRUE	5.82E-21
Overall COPD	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	-0.024	0.028	0.395	0.014	52.044	TRUE	9.81E-13
Overall COPD	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	-0.010	0.008	0.239	0.405	2517.411	TRUE	<1E-200
Overall COPD	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	-0.011	0.012	0.333	0.014	53.530	TRUE	4.92E-13
Overall COPD	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	0.022	0.012	0.063	0.012	44.399	TRUE	6.72E-11
Overall COPD	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	-0.016	0.011	0.134	0.010	36.424	TRUE	3.13E-09
Overall COPD	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	-0.014	0.020	0.473	0.017	62.390	TRUE	5.32E-15
Overall COPD	RPTOR	cg22636722	rs908236	C	G	0.291	0.025	0.351	2.76E-32	-0.009	0.007	0.196	0.036	139.849	TRUE	2.21E-31
Overall COPD	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	-0.006	0.007	0.440	0.012	43.433	TRUE	7.07E-11
Overall COPD	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	0.001	0.013	0.937	0.014	52.792	TRUE	4.83E-13
Overall COPD	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	-0.005	0.007	0.469	0.011	43.014	TRUE	8.57E-11
Overall COPD	RPTOR	cg22652378	rs34461761	C	G	0.265	0.037	0.114	1.50E-12	0.026	0.011	0.017	0.013	50.017	TRUE	5.16E-12
Overall COPD	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	-0.008	0.007	0.259	0.046	179.265	TRUE	9.93E-40
Overall COPD	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	0.010	0.007	0.140	0.008	31.504	TRUE	3.66E-08
Overall COPD	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	0.009	0.009	0.284	0.032	121.569	TRUE	1.41E-27
Overall COPD	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	0.000	0.010	0.963	0.026	97.401	TRUE	1.07E-22
Overall COPD	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	0.033	0.015	0.025	0.025	95.993	TRUE	7.67E-22
Overall COPD	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	-0.017	0.033	0.611	0.020	75.083	TRUE	8.75E-18
Overall COPD	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	0.005	0.008	0.545	0.167	743.121	TRUE	7.62E-153
Overall COPD	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	0.010	0.007	0.174	0.056	219.195	TRUE	5.51E-48
Overall COPD	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	0.024	0.011	0.022	0.211	988.951	TRUE	1.03E-197
Overall COPD	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	-0.016	0.011	0.134	0.022	82.919	TRUE	3.08E-19
Overall COPD	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	-0.011	0.009	0.263	0.030	113.519	TRUE	7.44E-26
Overall COPD	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	0.002	0.008	0.773	0.039	150.824	TRUE	5.16E-34
Overall COPD	RPTOR	cg22878693	rs72858222	G	C	-0.672	0.096	0.035	1.96E-12	0.000	0.020	0.991	0.013	49.493	TRUE	2.46E-12
Overall COPD	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	-0.003	0.007	0.703	0.048	187.509	TRUE	1.02E-41
Overall COPD	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	0.002	0.009	0.771	0.024	91.212	TRUE	2.64E-21
Overall COPD	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	0.020	0.018	0.245	0.049	190.893	TRUE	3.74E-42
Overall COPD	RPTOR	cg22984380	rs139980334	C	T	-0.514	0.047	0.065	6.91E-28	-0.006	0.017	0.703	0.031	119.761	TRUE	2.18E-27
Overall COPD	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	-0.005	0.007	0.469	0.040	153.368	TRUE	2.05E-34
Overall COPD	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	0.009	0.010	0.395	0.017	64.965	TRUE	1.58E-15
Overall COPD	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	-0.004	0.007	0.593	0.088	355.387	TRUE	2.26E-76
Overall COPD	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	-0.010	0.009	0.245	0.020	74.822	TRUE	1.40E-17
Overall COPD	RPTOR	cg22984380	rs7223529	A	T	0.220	0.028	0.228	3.05E-15	-0.008	0.008	0.328	0.017	62.200	TRUE	6.62E-15
Overall COPD	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	-0.005	0.012	0.653	0.078	313.751	TRUE	6.72E-68
Overall COPD	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	0.009	0.008	0.280	0.367	2143.020	TRUE	<1E-200
Overall COPD	RPTOR	cg22984380	rs9909563	T	A	-0.317	0.027	0.269	2.02E-32	0.003	0.008	0.676	0.037	140.477	TRUE	8.81E-32

Overall COPD	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	-0.031	0.030	0.300	0.016	59.253	TRUE	2.94E-14
Overall COPD	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	-0.001	0.008	0.883	0.015	55.471	TRUE	1.30E-13
Overall COPD	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	0.014	0.010	0.160	0.168	749.017	TRUE	2.00E-153
Overall COPD	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	0.006	0.009	0.481	0.019	69.915	TRUE	1.26E-16
Overall COPD	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	-0.004	0.007	0.593	0.031	118.686	TRUE	4.08E-27
Overall COPD	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	-0.010	0.009	0.245	0.009	32.241	TRUE	2.27E-08
Overall COPD	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	0.023	0.011	0.036	0.014	52.300	TRUE	1.48E-12
Overall COPD	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	0.001	0.010	0.902	0.009	34.477	TRUE	5.09E-09
Overall COPD	RPTOR	cg23463786	rs9889802	G	C	-0.174	0.030	0.184	8.81E-09	0.010	0.009	0.229	0.009	33.071	TRUE	1.52E-08
Overall COPD	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	0.001	0.007	0.842	0.009	33.008	TRUE	1.10E-08
Overall COPD	RPTOR	cg23542426	rs7209810	C	G	0.498	0.049	0.059	4.86E-24	-0.002	0.016	0.888	0.027	102.207	TRUE	1.06E-23
Overall COPD	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	-0.005	0.008	0.539	0.024	91.546	TRUE	2.69E-21
Overall COPD	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	0.008	0.015	0.615	0.014	52.290	TRUE	7.47E-13
Overall COPD	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	-0.002	0.007	0.742	0.022	84.064	TRUE	9.26E-20
Overall COPD	RPTOR	cg23736297	rs34781048	A	G	0.171	0.024	0.434	1.42E-12	-0.003	0.007	0.678	0.013	50.130	TRUE	2.12E-12
Overall COPD	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	0.000	0.011	0.991	0.058	226.660	TRUE	4.68E-50
Overall COPD	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	-0.014	0.020	0.473	0.009	34.912	TRUE	5.05E-09
Overall COPD	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	-0.005	0.008	0.550	0.010	37.620	TRUE	1.23E-09
Overall COPD	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	0.013	0.007	0.058	0.120	502.239	TRUE	3.79E-105
Overall COPD	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	-0.008	0.010	0.430	0.012	43.945	TRUE	5.51E-11
Overall COPD	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	-0.024	0.028	0.395	0.015	57.490	TRUE	6.49E-14
Overall COPD	RPTOR	cg24207068	rs2289763	G	C	1.202	0.032	0.119	<1E-200	-0.005	0.011	0.640	0.278	1421.615	TRUE	1.41E-276
Overall COPD	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	0.000	0.020	0.991	0.008	30.958	TRUE	2.94E-08
Overall COPD	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	0.011	0.007	0.122	0.052	201.448	TRUE	3.20E-44
Overall COPD	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	-0.003	0.007	0.699	0.011	41.613	TRUE	1.52E-10
Overall COPD	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	-0.001	0.007	0.890	0.009	33.984	TRUE	6.58E-09
Overall COPD	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	0.009	0.018	0.625	0.020	75.775	TRUE	6.14E-18
Overall COPD	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	-0.011	0.009	0.263	0.016	60.400	TRUE	1.73E-14
Overall COPD	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	-0.011	0.013	0.421	0.027	103.256	TRUE	9.41E-24
Overall COPD	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	-0.007	0.008	0.390	0.075	297.971	TRUE	1.78E-64
Overall COPD	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	-0.013	0.010	0.210	0.009	32.160	TRUE	2.44E-08
Overall COPD	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	-0.018	0.012	0.117	0.010	38.374	TRUE	1.21E-09
Overall COPD	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	-0.007	0.009	0.397	0.018	69.079	TRUE	2.04E-16
Overall COPD	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	-0.007	0.011	0.533	0.019	71.116	TRUE	6.64E-17
Overall COPD	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	-0.006	0.007	0.357	0.016	60.754	TRUE	1.32E-14
Overall COPD	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	0.032	0.020	0.105	0.008	30.330	TRUE	6.94E-08
Overall COPD	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	-0.014	0.017	0.400	0.010	36.095	TRUE	2.91E-09
Overall COPD	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	-0.005	0.017	0.768	0.017	63.053	TRUE	3.13E-15
Overall COPD	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	-0.004	0.008	0.644	0.102	418.606	TRUE	3.23E-89
Overall COPD	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	-0.017	0.008	0.049	0.020	74.544	TRUE	2.42E-17
Overall COPD	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	0.012	0.016	0.472	0.020	77.121	TRUE	3.55E-18
Overall COPD	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	0.007	0.008	0.392	0.159	698.053	TRUE	5.02E-144

Overall COPD	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	0.000	0.024	0.987	0.010	36.636	TRUE	1.64E-09
Overall COPD	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	-0.006	0.008	0.415	0.018	68.106	TRUE	3.26E-16
Overall COPD	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	-0.006	0.010	0.548	0.110	456.324	TRUE	1.01E-96
Overall COPD	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	-0.018	0.009	0.051	0.010	38.670	TRUE	1.20E-09
Overall COPD	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	-0.023	0.007	0.002	0.318	1722.199	TRUE	<1E-200
Overall COPD	RPTOR	cg24315876	rs9915393	G	C	0.645	0.026	0.258	3.42E-137	-0.009	0.008	0.262	0.144	621.228	TRUE	5.60E-129
Overall COPD	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	-0.005	0.008	0.562	0.168	747.648	TRUE	9.98E-154
Overall COPD	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	-0.017	0.012	0.135	0.009	32.834	TRUE	1.89E-08
Overall COPD	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	-0.005	0.008	0.487	0.060	235.207	TRUE	1.43E-51
Overall COPD	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	0.023	0.013	0.077	0.013	47.762	TRUE	1.22E-11
Overall COPD	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	0.011	0.007	0.122	0.013	49.042	TRUE	5.89E-12
Overall COPD	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	-0.010	0.009	0.245	0.008	31.305	TRUE	3.64E-08
Overall COPD	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	-0.016	0.011	0.134	0.010	38.175	TRUE	1.30E-09
Overall COPD	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	-0.014	0.020	0.473	0.011	40.413	TRUE	3.16E-10
Overall COPD	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	-0.007	0.008	0.390	0.037	143.167	TRUE	3.24E-32
Overall COPD	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	-0.003	0.007	0.663	0.024	90.663	TRUE	3.75E-21
Overall COPD	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	0.006	0.012	0.647	0.014	53.838	TRUE	3.37E-13
Overall COPD	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	-0.003	0.007	0.658	0.069	273.325	TRUE	1.41E-59
Overall COPD	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	-0.004	0.007	0.595	0.009	32.226	TRUE	1.84E-08
Overall COPD	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	-0.011	0.012	0.373	0.010	37.168	TRUE	1.72E-09
Overall COPD	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	0.009	0.007	0.176	0.014	53.012	TRUE	7.54E-13
Overall COPD	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	0.004	0.007	0.545	0.037	143.654	TRUE	2.14E-32
Overall COPD	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	-0.012	0.012	0.320	0.013	48.607	TRUE	5.81E-12
Overall COPD	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	-0.001	0.013	0.949	0.012	45.656	TRUE	1.74E-11
Overall COPD	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	0.004	0.007	0.545	0.024	92.786	TRUE	1.45E-21
Overall COPD	RPTOR	cg25673241	rs62069691	T	A	0.302	0.041	0.087	2.13E-13	-0.014	0.011	0.211	0.014	53.856	TRUE	4.74E-13
Overall COPD	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	0.016	0.007	0.020	0.010	36.864	TRUE	3.38E-09
Overall COPD	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	-0.004	0.008	0.644	0.012	46.209	TRUE	1.55E-11
Overall COPD	RPTOR	cg25739309	rs3751937	A	C	-0.188	0.031	0.203	1.19E-09	-0.003	0.010	0.774	0.010	36.963	TRUE	1.53E-09
Overall COPD	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	0.012	0.008	0.117	0.054	210.465	TRUE	4.32E-46
Overall COPD	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	0.003	0.010	0.730	0.008	31.439	TRUE	2.58E-08
Overall COPD	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	-0.007	0.009	0.397	0.025	94.316	TRUE	7.83E-22
Overall COPD	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	0.004	0.009	0.642	0.013	50.567	TRUE	1.74E-12
Overall COPD	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	-0.004	0.010	0.676	0.008	31.173	TRUE	3.03E-08
Overall COPD	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	-0.024	0.028	0.395	0.013	46.839	TRUE	1.32E-11
Overall COPD	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	0.005	0.009	0.540	0.009	34.655	TRUE	5.54E-09
Overall COPD	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	0.004	0.007	0.545	0.014	53.714	TRUE	3.83E-13
Overall COPD	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	0.014	0.007	0.051	0.291	1521.519	TRUE	2.02E-292
Overall COPD	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	-0.003	0.007	0.672	0.041	156.454	TRUE	3.67E-35
Overall COPD	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	-0.006	0.008	0.415	0.010	37.626	TRUE	1.33E-09
Overall COPD	RPTOR	cg25902229	rs58903229	A	T	0.560	0.049	0.080	6.34E-30	0.023	0.013	0.077	0.034	129.063	TRUE	5.79E-29
Overall COPD	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	-0.002	0.008	0.780	0.038	144.298	TRUE	1.24E-32

Overall COPD	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	-0.002	0.010	0.816	0.059	230.051	TRUE	1.12E-50
Overall COPD	RPTOR	cg25902229	rs7209723	C	G	0.163	0.028	0.247	4.09E-09	0.005	0.007	0.519	0.009	34.562	TRUE	5.87E-09
Overall COPD	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	-0.010	0.009	0.245	0.011	41.634	TRUE	2.03E-10
Overall COPD	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	-0.011	0.013	0.421	0.011	39.926	TRUE	4.17E-10
Overall COPD	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	0.008	0.023	0.726	0.008	30.994	TRUE	3.24E-08
Overall COPD	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	-0.013	0.010	0.210	0.010	36.328	TRUE	3.00E-09
Overall COPD	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	-0.020	0.011	0.072	0.008	30.109	TRUE	8.21E-08
Overall COPD	RPTOR	cg25985643	rs116931702	G	C	-0.398	0.045	0.069	5.70E-19	0.001	0.013	0.942	0.021	79.127	TRUE	9.34E-19
Overall COPD	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	0.010	0.007	0.174	0.017	65.878	TRUE	1.28E-15
Overall COPD	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	0.019	0.012	0.101	0.012	46.210	TRUE	2.50E-11
Overall COPD	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	0.005	0.012	0.685	0.011	41.998	TRUE	1.26E-10
Overall COPD	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	-0.015	0.012	0.236	0.050	193.597	TRUE	1.04E-42
Overall COPD	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	0.000	0.020	0.991	0.008	30.300	TRUE	4.11E-08
Overall COPD	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	-0.014	0.010	0.163	0.028	105.859	TRUE	3.75E-24
Overall COPD	RPTOR	cg25985643	rs72856538	C	G	-0.191	0.028	0.219	1.62E-11	-0.005	0.009	0.580	0.012	45.362	TRUE	2.46E-11
Overall COPD	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	0.012	0.009	0.161	0.040	152.875	TRUE	4.28E-34
Overall COPD	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	0.016	0.010	0.102	0.020	76.735	TRUE	6.94E-18
Overall COPD	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	0.006	0.009	0.481	0.017	63.801	TRUE	2.62E-15
Overall COPD	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	-0.001	0.007	0.937	0.018	67.895	TRUE	2.52E-16
Overall COPD	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	-0.004	0.007	0.595	0.013	48.814	TRUE	4.31E-12
Overall COPD	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	0.008	0.008	0.313	0.016	60.284	TRUE	1.74E-14
Overall COPD	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	-0.002	0.007	0.788	0.076	303.809	TRUE	6.15E-66
Overall COPD	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	-0.023	0.007	0.002	0.008	30.163	TRUE	1.22E-07
Overall COPD	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	-0.002	0.007	0.741	0.014	52.652	TRUE	5.78E-13
Overall COPD	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	-0.013	0.007	0.076	0.052	204.673	TRUE	8.25E-45
Overall COPD	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	-0.001	0.007	0.937	0.009	34.318	TRUE	5.43E-09
Overall COPD	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	0.008	0.023	0.726	0.024	90.737	TRUE	3.45E-21
Overall COPD	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	0.012	0.007	0.067	0.009	33.624	TRUE	1.43E-08
Overall COPD	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	-0.009	0.007	0.184	0.021	81.216	TRUE	6.49E-19
Overall COPD	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	-0.002	0.007	0.742	0.033	127.987	TRUE	3.73E-29
Overall COPD	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	-0.006	0.009	0.494	0.008	31.433	TRUE	2.90E-08
Overall COPD	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	0.008	0.023	0.726	0.019	70.262	TRUE	8.86E-17
Overall COPD	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	0.002	0.029	0.952	0.009	32.160	TRUE	1.62E-08
Overall COPD	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	0.018	0.025	0.482	0.012	45.188	TRUE	2.85E-11
Overall COPD	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	0.014	0.012	0.255	0.017	63.367	TRUE	4.00E-15
Overall COPD	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	0.021	0.017	0.235	0.018	66.359	TRUE	9.29E-16
Overall COPD	RPTOR	cg27210166	rs11869826	A	G	-0.751	0.024	0.310	1.26E-218	0.003	0.008	0.668	0.212	995.567	TRUE	2.22E-200
Overall COPD	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	-0.006	0.008	0.433	0.015	57.073	TRUE	7.76E-14
Overall COPD	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	-0.003	0.008	0.696	0.031	116.727	TRUE	9.72E-27
Overall COPD	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	-0.011	0.007	0.130	0.020	76.700	TRUE	6.63E-18
Overall COPD	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	0.009	0.009	0.284	0.026	98.989	TRUE	8.97E-23
Overall COPD	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	-0.004	0.007	0.593	0.036	138.043	TRUE	3.14E-31

Overall COPD	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	-0.006	0.008	0.443	0.010	39.221	TRUE	5.86E-10
Overall COPD	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	-0.012	0.010	0.211	0.015	57.639	TRUE	7.23E-14
Overall COPD	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	0.000	0.020	0.991	0.025	94.634	TRUE	4.13E-22
Overall COPD	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	-0.013	0.010	0.201	0.020	76.036	TRUE	8.14E-18
Overall COPD	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	0.010	0.009	0.276	0.018	68.457	TRUE	3.14E-16
Overall COPD	RPTOR	cg27210166	rs9909563	T	A	-0.194	0.027	0.269	4.61E-13	0.003	0.008	0.676	0.014	52.334	TRUE	7.04E-13
Overall COPD	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	-0.017	0.012	0.135	0.010	36.418	TRUE	3.13E-09
Overall COPD	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	0.012	0.007	0.067	0.018	66.697	TRUE	1.07E-15
Overall COPD	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	-0.004	0.008	0.571	0.069	273.771	TRUE	1.29E-59
Overall COPD	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	0.006	0.009	0.500	0.017	63.813	TRUE	2.57E-15
Overall COPD	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	-0.002	0.008	0.780	0.009	31.999	TRUE	1.90E-08
Overall COPD	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	-0.023	0.007	0.002	0.018	68.371	TRUE	8.75E-16
Overall COPD	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	-0.006	0.007	0.440	0.016	59.177	TRUE	2.70E-14
Overall COPD	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	0.009	0.010	0.395	0.012	44.319	TRUE	4.68E-11
Overall COPD	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	0.008	0.009	0.335	0.079	316.635	TRUE	2.94E-68
Overall COPD	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	0.004	0.007	0.545	0.014	50.632	TRUE	1.79E-12
Overall COPD	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	0.006	0.008	0.505	0.009	32.075	TRUE	2.08E-08
Overall COPD	RPTOR	cg27460531	rs4969426	A	T	0.134	0.024	0.375	1.92E-08	0.004	0.007	0.554	0.008	31.558	TRUE	2.64E-08
Overall COPD	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	-0.011	0.013	0.402	0.015	56.774	TRUE	9.23E-14
Overall COPD	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	0.005	0.010	0.641	0.014	51.278	TRUE	1.22E-12
Overall COPD	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	-0.001	0.007	0.918	0.016	61.662	TRUE	5.73E-15
Overall COPD	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	0.002	0.029	0.952	0.009	31.868	TRUE	1.88E-08
Overall COPD	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	0.018	0.007	0.011	0.013	49.483	TRUE	7.13E-12
Overall COPD	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	-0.006	0.007	0.365	0.040	155.075	TRUE	1.02E-34
Overall COPD	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	0.000	0.020	0.991	0.021	80.143	TRUE	5.45E-19
Overall COPD	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	0.008	0.009	0.356	0.026	99.951	TRUE	5.12E-23
Overall COPD	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	-0.011	0.009	0.263	0.023	85.585	TRUE	6.74E-20
Overall COPD	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	0.034	0.017	0.050	0.031	119.900	TRUE	5.67E-27
Overall COPD	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	0.003	0.008	0.717	0.176	790.633	TRUE	4.51E-162
Overall COPD	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	-0.013	0.007	0.065	0.019	71.795	TRUE	8.79E-17
Overall COPD	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	0.003	0.007	0.623	0.026	98.372	TRUE	8.63E-23
Overall COPD	RRAGA	cg14727880	rs2233798	T	C	0.246	0.024	0.383	3.24E-25	-0.015	0.007	0.032	0.028	107.569	TRUE	2.57E-24
Overall COPD	RRAGA	cg21162977	rs2233802	A	C	0.251	0.032	0.156	2.98E-15	0.005	0.009	0.585	0.017	62.248	TRUE	5.27E-15
Overall COPD	RRAGA	cg25822709	rs10963919	C	A	0.306	0.035	0.129	2.84E-18	-0.021	0.010	0.041	0.020	75.956	TRUE	1.26E-17
Overall COPD	RRAGA	cg25822709	rs117653408	A	G	0.345	0.054	0.047	1.60E-10	-0.001	0.017	0.930	0.011	40.876	TRUE	1.96E-10
Overall COPD	RRAGA	cg25822709	rs11791698	C	T	0.346	0.051	0.054	1.23E-11	-0.007	0.014	0.633	0.012	45.896	TRUE	1.82E-11
Overall COPD	RRAGA	cg25822709	rs145475880	G	A	0.480	0.077	0.023	5.22E-10	-0.022	0.021	0.304	0.010	38.571	TRUE	8.97E-10
Overall COPD	RRAGA	cg25822709	rs2233798	T	C	0.586	0.023	0.383	2.30E-139	-0.015	0.007	0.032	0.146	631.208	TRUE	2.81E-130
Overall COPD	RRAGA	cg25822709	rs72694539	A	G	0.374	0.057	0.041	5.06E-11	-0.002	0.018	0.888	0.012	43.130	TRUE	6.41E-11
Overall COPD	RRAGA	cg25822709	rs7847408	C	A	-0.145	0.027	0.264	4.96E-08	0.009	0.008	0.276	0.008	29.717	TRUE	7.92E-08
Overall COPD	RRAGA	cg25822709	rs7855439	C	T	0.464	0.050	0.055	1.39E-20	0.014	0.015	0.363	0.023	86.466	TRUE	3.89E-20
Overall COPD	RUFY4	cg01712671	rs6436023	G	A	0.152	0.024	0.398	3.36E-10	0.000	0.007	0.997	0.011	39.430	TRUE	3.95E-10

Overall COPD	RUFY4	cg11417360	rs6737563	T	C	0.154	0.024	0.469	6.46E-11	0.016	0.007	0.027	0.011	42.652	TRUE	1.84E-10
Overall COPD	RUFY4	cg18102446	rs13431952	C	T	-0.746	0.021	0.401	4.75E-271	0.001	0.007	0.850	0.251	1236.643	TRUE	2.82E-244
Overall COPD	RUFY4	cg18102446	rs3181212	A	G	0.331	0.050	0.122	2.75E-11	-0.010	0.010	0.343	0.012	44.321	TRUE	4.86E-11
Overall COPD	RUFY4	cg18102446	rs56083579	T	G	-0.362	0.038	0.116	1.22E-21	-0.018	0.012	0.150	0.024	91.281	TRUE	4.89E-21
Overall COPD	RUFY4	cg18102446	rs7426289	C	T	-0.210	0.023	0.483	3.17E-19	0.012	0.007	0.086	0.021	80.282	TRUE	1.26E-18
Overall COPD	RUFY4	cg18105065	rs7419750	A	G	-0.246	0.026	0.289	8.51E-22	0.004	0.007	0.605	0.024	91.986	TRUE	2.05E-21
Overall COPD	SCRT2	cg01053273	rs12106053	C	T	-0.232	0.027	0.260	6.55E-18	0.007	0.008	0.401	0.020	74.308	TRUE	1.52E-17
Overall COPD	SCRT2	cg07636295	rs6107703	A	G	0.130	0.023	0.464	1.44E-08	0.010	0.008	0.226	0.009	32.109	TRUE	2.47E-08
Overall COPD	SCRT2	cg11183307	rs4813791	G	A	0.178	0.024	0.393	1.73E-13	0.001	0.008	0.909	0.014	54.257	TRUE	2.35E-13
Overall COPD	SCRT2	cg11183307	rs6054046	A	G	-0.186	0.028	0.231	4.17E-11	0.004	0.009	0.655	0.012	43.507	TRUE	5.99E-11
Overall COPD	SCRT2	cg11183307	rs6085283	T	C	0.132	0.023	0.460	1.54E-08	0.010	0.007	0.148	0.009	31.981	TRUE	2.85E-08
Overall COPD	SCRT2	cg11183307	rs6107731	G	A	0.603	0.030	0.438	9.26E-92	0.006	0.008	0.435	0.100	412.522	TRUE	7.94E-88
Overall COPD	SCRT2	cg18592561	rs79646638	A	G	0.448	0.040	0.094	3.32E-29	0.023	0.011	0.033	0.033	125.782	TRUE	3.64E-28
Overall COPD	SERPINE1	cg02704552	rs11970888	T	C	-0.246	0.041	0.088	2.01E-09	-0.018	0.012	0.137	0.010	35.949	TRUE	3.95E-09
Overall COPD	SERPINE1	cg02704552	rs143126965	A	G	-0.584	0.107	0.011	4.34E-08	-0.011	0.029	0.707	0.008	29.977	TRUE	5.48E-08
Overall COPD	SERPINE1	cg02704552	rs2227660	G	A	-0.422	0.031	0.157	2.68E-41	-0.010	0.010	0.318	0.047	181.080	TRUE	3.72E-40
Overall COPD	SERPINE1	cg02704552	rs34699890	A	G	0.241	0.024	0.373	5.31E-24	-0.011	0.007	0.128	0.027	102.035	TRUE	2.63E-23
Overall COPD	SERPINE1	cg08506775	rs77705466	A	C	0.921	0.093	0.015	4.08E-23	0.012	0.026	0.649	0.026	97.995	TRUE	1.02E-22
Overall COPD	SERPINE1	cg11353706	rs2227666	A	G	0.442	0.055	0.054	9.51E-16	-0.010	0.015	0.483	0.017	64.495	TRUE	1.85E-15
Overall COPD	SERPINE1	cg11353706	rs2227674	G	A	-0.195	0.029	0.205	1.19E-11	0.016	0.009	0.066	0.012	45.970	TRUE	3.05E-11
Overall COPD	SERPINE1	cg16617872	rs1048365	T	C	-0.214	0.033	0.155	4.81E-11	0.017	0.009	0.066	0.012	43.231	TRUE	1.19E-10
Overall COPD	SERPINE1	cg16617872	rs13237868	A	C	-0.370	0.066	0.034	2.05E-08	0.028	0.020	0.173	0.008	31.427	TRUE	3.66E-08
Overall COPD	SERPINE1	cg16617872	rs1803663	C	G	0.487	0.084	0.037	5.52E-09	0.012	0.018	0.512	0.009	33.978	TRUE	7.92E-09
Overall COPD	SERPINE1	cg16617872	rs187623845	C	T	0.246	0.040	0.096	6.29E-10	0.016	0.015	0.278	0.010	38.208	TRUE	1.10E-09
Overall COPD	SERPINE1	cg16617872	rs2227666	A	G	0.752	0.055	0.054	3.50E-43	-0.010	0.015	0.483	0.049	189.704	TRUE	4.56E-42
Overall COPD	SERPINE1	cg16617872	rs2227674	G	A	-0.440	0.028	0.205	9.01E-54	0.016	0.009	0.066	0.061	238.221	TRUE	9.52E-52
Overall COPD	SERPINE1	cg16617872	rs35735209	C	T	-0.152	0.023	0.461	4.18E-11	0.011	0.007	0.125	0.012	43.505	TRUE	9.22E-11
Overall COPD	SERPINE1	cg16617872	rs3735337	A	T	-0.209	0.028	0.251	4.73E-14	0.022	0.008	0.009	0.015	56.807	TRUE	1.99E-13
Overall COPD	SERPINE1	cg16617872	rs3890122	A	G	-0.195	0.026	0.283	5.82E-14	0.005	0.013	0.694	0.015	56.402	TRUE	9.09E-14
Overall COPD	SERPINE1	cg17968347	rs1050955	A	G	0.303	0.029	0.206	2.99E-26	0.021	0.008	0.010	0.029	112.294	TRUE	3.34E-25
Overall COPD	SERPINE1	cg19722814	rs2410796	G	A	-0.225	0.024	0.423	3.76E-21	0.000	0.009	0.977	0.024	89.048	TRUE	6.63E-21
Overall COPD	SERPINE1	cg24539923	rs2227631	G	A	-0.280	0.024	0.415	3.82E-32	0.014	0.007	0.045	0.036	139.208	TRUE	4.93E-31
Overall COPD	SESN1	cg01304950	rs1998172	C	A	0.471	0.038	0.126	5.58E-36	-0.010	0.010	0.316	0.041	156.745	TRUE	4.89E-35
Overall COPD	SESN1	cg08336300	rs6908184	T	C	-0.305	0.036	0.144	1.11E-17	-0.017	0.009	0.069	0.019	73.270	TRUE	4.20E-17
Overall COPD	SESN1	cg12460075	rs13193727	T	G	1.012	0.081	0.025	7.00E-36	0.035	0.024	0.149	0.041	156.294	TRUE	8.42E-35
Overall COPD	SESN1	cg12460075	rs13207770	A	G	0.338	0.041	0.105	2.12E-16	0.006	0.010	0.596	0.018	67.447	TRUE	3.93E-16
Overall COPD	SESN1	cg12460075	rs35079319	A	G	1.366	0.062	0.044	5.01E-106	-0.022	0.018	0.205	0.114	478.042	TRUE	1.07E-100
Overall COPD	SESN1	cg12914954	rs17070143	A	G	-1.515	0.088	0.024	7.39E-67	0.026	0.026	0.315	0.075	298.228	TRUE	1.83E-64
Overall COPD	SESN1	cg12914954	rs60468951	T	C	-1.169	0.097	0.020	2.15E-33	0.007	0.029	0.823	0.038	144.924	TRUE	8.76E-33
Overall COPD	SESN1	cg17117243	rs408944	C	G	-0.141	0.026	0.387	4.58E-08	0.002	0.007	0.773	0.008	29.869	TRUE	5.62E-08
Overall COPD	SESN1	cg17117243	rs555995250	A	C	-0.389	0.039	0.113	1.22E-23	-0.041	0.021	0.045	0.026	100.378	TRUE	7.90E-23
Overall COPD	SESN1	cg17117243	rs9384702	T	A	0.209	0.034	0.175	5.44E-10	0.002	0.011	0.866	0.010	38.492	TRUE	6.76E-10

Overall COPD	SFRP1	cg00000321	rs72643819	T	G	-0.149	0.026	0.382	1.33E-08	0.004	0.007	0.566	0.009	32.269	TRUE	1.83E-08
Overall COPD	SFRP1	cg01074584	rs921142	C	T	-0.162	0.026	0.388	5.29E-10	0.003	0.007	0.641	0.010	38.546	TRUE	7.35E-10
Overall COPD	SFRP1	cg03133371	rs1562420	G	A	-0.164	0.026	0.395	2.17E-10	0.005	0.007	0.511	0.011	40.287	TRUE	3.29E-10
Overall COPD	SFRP1	cg07935886	rs72643819	T	G	-0.179	0.026	0.382	7.44E-12	0.004	0.007	0.566	0.013	46.881	TRUE	1.16E-11
Overall COPD	SFRP1	cg10406295	rs1159162	G	A	-0.142	0.026	0.396	4.31E-08	0.007	0.007	0.309	0.008	29.986	TRUE	6.75E-08
Overall COPD	SFRP1	cg14824386	rs968427	C	T	-0.163	0.026	0.437	2.11E-10	0.009	0.007	0.195	0.011	40.338	TRUE	4.09E-10
Overall COPD	SFRP1	cg14904908	rs1562420	G	A	-0.242	0.026	0.395	6.52E-21	0.005	0.007	0.511	0.023	87.961	TRUE	1.62E-20
Overall COPD	SFRP1	cg16498741	rs7832749	A	G	-0.144	0.026	0.396	3.65E-08	0.015	0.007	0.039	0.008	30.308	TRUE	8.11E-08
Overall COPD	SFRP1	cg25927227	rs10088390	G	C	0.514	0.061	0.045	3.23E-17	0.043	0.017	0.011	0.019	71.159	TRUE	1.71E-16
Overall COPD	SFRP1	cg25927227	rs116957640	A	G	0.688	0.115	0.026	2.61E-09	-0.025	0.021	0.227	0.009	35.432	TRUE	4.63E-09
Overall COPD	SFRP1	cg25927227	rs4392880	T	C	0.257	0.026	0.405	2.57E-23	-0.010	0.007	0.161	0.026	98.912	TRUE	1.13E-22
Overall COPD	SFRP1	cg25927227	rs62642278	T	C	-0.259	0.047	0.080	3.20E-08	-0.010	0.013	0.448	0.008	30.563	TRUE	4.63E-08
Overall COPD	SFRP1	cg25927227	rs7007338	T	C	0.234	0.039	0.126	1.79E-09	0.004	0.010	0.701	0.010	36.176	TRUE	2.36E-09
Overall COPD	SFRP1	cg25927227	rs7823630	C	T	0.695	0.024	0.400	2.84E-177	0.010	0.008	0.205	0.179	805.443	TRUE	3.03E-164
Overall COPD	SFRP1	cg25927227	rs79026888	G	A	0.424	0.066	0.037	1.17E-10	0.020	0.016	0.213	0.011	41.488	TRUE	2.26E-10
Overall COPD	SFRP1	cg25927227	rs936271	A	G	0.245	0.028	0.307	5.46E-19	-0.006	0.008	0.459	0.021	79.213	TRUE	1.28E-18
Overall COPD	SGMS1	cg03236180	rs151131602	T	C	0.589	0.099	0.014	2.74E-09	0.006	0.029	0.836	0.009	35.339	TRUE	3.39E-09
Overall COPD	SGMS1	cg13576994	rs10826126	A	C	0.132	0.023	0.430	1.47E-08	0.008	0.007	0.241	0.009	32.076	TRUE	2.48E-08
Overall COPD	SGMS1	cg13799263	rs10740666	C	T	-0.160	0.026	0.272	9.38E-10	0.006	0.007	0.404	0.010	37.429	TRUE	1.48E-09
Overall COPD	SGMS1	cg13799263	rs10826100	A	G	0.214	0.023	0.449	2.08E-20	-0.005	0.007	0.449	0.023	85.666	TRUE	5.30E-20
Overall COPD	SGMS1	cg13799263	rs2474612	T	C	0.151	0.024	0.383	4.45E-10	0.016	0.007	0.018	0.010	38.882	TRUE	1.27E-09
Overall COPD	SGMS1	cg13799263	rs56323928	G	T	0.405	0.061	0.039	4.03E-11	0.028	0.018	0.117	0.012	43.575	TRUE	9.02E-11
Overall COPD	SGMS1	cg13799263	rs7092753	G	A	0.295	0.024	0.348	3.74E-34	0.005	0.007	0.459	0.039	148.394	TRUE	2.34E-33
Overall COPD	SGMS1	cg20014988	rs10740762	A	G	-0.373	0.025	0.339	2.09E-51	-0.024	0.007	6.74E-04	0.058	227.382	TRUE	6.62E-49
Overall COPD	SGMS1	cg20014988	rs2983356	G	A	-0.311	0.046	0.080	1.33E-11	-0.007	0.013	0.588	0.012	45.746	TRUE	2.02E-11
Overall COPD	SGMS1	cg20014988	rs59120825	C	G	0.273	0.028	0.203	4.09E-22	0.015	0.008	0.077	0.025	93.438	TRUE	2.05E-21
Overall COPD	SGMS1	cg26665667	rs10763560	G	A	0.327	0.025	0.309	8.19E-40	-0.017	0.008	0.031	0.045	174.283	TRUE	2.46E-38
Overall COPD	SH3BP4	cg00475403	rs6721314	T	C	-0.193	0.028	0.226	6.04E-12	-0.006	0.008	0.489	0.013	47.291	TRUE	9.89E-12
Overall COPD	SH3BP4	cg00506811	rs13003045	T	G	-0.222	0.031	0.156	6.62E-13	-0.010	0.010	0.336	0.014	51.625	TRUE	1.27E-12
Overall COPD	SH3BP4	cg00765233	rs12476431	T	C	-0.211	0.035	0.120	1.80E-09	-0.013	0.011	0.223	0.010	36.159	TRUE	3.23E-09
Overall COPD	SH3BP4	cg00765233	rs2840029	C	G	-0.191	0.033	0.137	1.05E-08	0.013	0.011	0.255	0.009	32.728	TRUE	1.76E-08
Overall COPD	SH3BP4	cg00765233	rs4429425	A	G	-0.271	0.037	0.105	1.57E-13	-0.023	0.012	0.049	0.015	54.447	TRUE	4.84E-13
Overall COPD	SH3BP4	cg01881549	rs6728491	C	T	-0.239	0.034	0.128	2.97E-12	-0.011	0.011	0.303	0.013	48.685	TRUE	5.67E-12
Overall COPD	SH3BP4	cg02447239	rs11694969	A	G	0.290	0.039	0.093	6.27E-14	-0.002	0.011	0.822	0.015	56.254	TRUE	9.07E-14
Overall COPD	SH3BP4	cg04066885	rs10929050	T	C	0.404	0.029	0.201	8.84E-43	0.006	0.008	0.498	0.048	187.864	TRUE	1.09E-41
Overall COPD	SH3BP4	cg04066885	rs11677044	A	C	-0.208	0.025	0.327	2.13E-17	0.007	0.007	0.317	0.019	71.980	TRUE	5.24E-17
Overall COPD	SH3BP4	cg04066885	rs13019776	G	A	-0.380	0.026	0.279	5.56E-50	-0.017	0.008	0.036	0.056	220.851	TRUE	4.74E-48
Overall COPD	SH3BP4	cg04066885	rs55916272	C	T	-0.137	0.024	0.441	6.55E-09	0.005	0.007	0.454	0.009	33.647	TRUE	9.68E-09
Overall COPD	SH3BP4	cg04088932	rs10929082	A	T	0.670	0.039	0.103	1.82E-66	-0.003	0.012	0.782	0.074	296.429	TRUE	2.05E-64
Overall COPD	SH3BP4	cg04088932	rs56371694	T	G	0.148	0.026	0.300	1.65E-08	0.009	0.008	0.250	0.009	31.846	TRUE	2.76E-08
Overall COPD	SH3BP4	cg05058748	rs11688642	G	A	0.330	0.032	0.170	7.51E-25	0.008	0.012	0.498	0.028	105.906	TRUE	2.37E-24
Overall COPD	SH3BP4	cg05058748	rs4663527	T	C	0.447	0.074	0.056	1.65E-09	-0.037	0.016	0.022	0.010	36.329	TRUE	4.35E-09

Overall COPD	SH3BP4	cg05058748	rs4663533	G	A	-0.525	0.034	0.131	2.46E-54	-0.009	0.010	0.384	0.061	240.802	TRUE	1.15E-52
Overall COPD	SH3BP4	cg05058748	rs530547688	T	C	0.721	0.083	0.046	2.57E-18	0.008	0.018	0.670	0.020	76.151	TRUE	4.94E-18
Overall COPD	SH3BP4	cg05058748	rs62187422	T	C	-0.295	0.040	0.081	3.07E-13	0.032	0.023	0.152	0.014	53.137	TRUE	7.33E-13
Overall COPD	SH3BP4	cg05058748	rs6710499	G	A	1.133	0.016	0.338	<1E-200	0.006	0.008	0.455	0.569	4889.496	TRUE	<1E-200
Overall COPD	SH3BP4	cg05058748	rs79977480	C	G	0.775	0.058	0.039	2.45E-40	0.009	0.016	0.564	0.046	176.685	TRUE	2.24E-39
Overall COPD	SH3BP4	cg08036121	rs2379186	C	T	0.185	0.026	0.288	6.44E-13	-0.016	0.008	0.032	0.014	51.679	TRUE	2.06E-12
Overall COPD	SH3BP4	cg08036121	rs75169082	A	C	-0.566	0.083	0.044	1.11E-11	0.005	0.019	0.782	0.012	46.107	TRUE	1.51E-11
Overall COPD	SH3BP4	cg08036121	rs78218646	T	C	-0.255	0.031	0.187	1.41E-16	0.015	0.009	0.089	0.018	68.256	TRUE	4.67E-16
Overall COPD	SH3BP4	cg08092258	rs11682146	T	C	-0.387	0.039	0.091	6.57E-23	-0.017	0.012	0.147	0.026	97.054	TRUE	2.90E-22
Overall COPD	SH3BP4	cg08092258	rs56230012	G	A	-0.737	0.038	0.093	9.44E-83	-0.006	0.011	0.617	0.091	371.163	TRUE	1.35E-79
Overall COPD	SH3BP4	cg08092258	rs56838198	T	G	0.421	0.028	0.230	6.25E-50	0.012	0.008	0.126	0.056	220.616	TRUE	3.24E-48
Overall COPD	SH3BP4	cg08092258	rs6720830	T	C	-0.331	0.028	0.227	2.78E-32	-0.005	0.008	0.518	0.036	139.842	TRUE	1.41E-31
Overall COPD	SH3BP4	cg08092258	rs78367788	T	C	0.304	0.041	0.091	2.32E-13	0.006	0.021	0.765	0.014	53.687	TRUE	3.39E-13
Overall COPD	SH3BP4	cg08092258	rs972514	C	T	-0.203	0.032	0.157	1.34E-10	0.014	0.011	0.196	0.011	41.229	TRUE	2.61E-10
Overall COPD	SH3BP4	cg08858245	rs62187441	G	T	0.295	0.045	0.064	3.29E-11	0.002	0.013	0.888	0.012	43.974	TRUE	4.19E-11
Overall COPD	SH3BP4	cg09071896	rs10929050	T	C	0.229	0.030	0.201	1.60E-14	0.006	0.008	0.498	0.016	58.937	TRUE	2.92E-14
Overall COPD	SH3BP4	cg09071896	rs11677044	A	C	-0.226	0.025	0.327	4.02E-20	0.007	0.007	0.317	0.022	84.364	TRUE	1.15E-19
Overall COPD	SH3BP4	cg09071896	rs12475961	C	A	-0.411	0.035	0.116	1.31E-31	-0.013	0.011	0.236	0.036	136.759	TRUE	9.23E-31
Overall COPD	SH3BP4	cg09071896	rs4429425	A	G	-0.290	0.037	0.105	2.96E-15	-0.023	0.012	0.049	0.017	62.257	TRUE	1.02E-14
Overall COPD	SH3BP4	cg09071896	rs9677589	T	G	0.267	0.039	0.104	1.18E-11	-0.003	0.012	0.798	0.012	45.984	TRUE	1.59E-11
Overall COPD	SH3BP4	cg09510954	rs4663177	C	T	-0.187	0.025	0.321	9.58E-14	0.005	0.007	0.492	0.015	55.422	TRUE	1.69E-13
Overall COPD	SH3BP4	cg10810819	rs4429425	A	G	-0.220	0.037	0.105	1.80E-09	-0.023	0.012	0.049	0.010	36.157	TRUE	4.23E-09
Overall COPD	SH3BP4	cg11677744	rs12476431	T	C	-0.309	0.035	0.120	8.51E-19	-0.013	0.011	0.223	0.021	78.335	TRUE	2.53E-18
Overall COPD	SH3BP4	cg12214003	rs13035247	G	C	0.314	0.026	0.284	7.68E-35	-0.017	0.008	0.036	0.039	151.535	TRUE	1.36E-33
Overall COPD	SH3BP4	cg12214003	rs78218646	T	C	-0.260	0.031	0.187	3.35E-17	0.015	0.009	0.089	0.019	71.086	TRUE	1.16E-16
Overall COPD	SH3BP4	cg12214003	rs79098408	A	G	0.400	0.069	0.029	8.49E-09	0.002	0.019	0.934	0.009	33.142	TRUE	9.90E-09
Overall COPD	SH3BP4	cg13303459	rs111715647	C	G	1.248	0.112	0.011	7.20E-29	-0.036	0.033	0.282	0.032	124.246	TRUE	3.82E-28
Overall COPD	SH3BP4	cg13303459	rs4429425	A	G	0.213	0.036	0.105	4.12E-09	-0.023	0.012	0.049	0.009	34.549	TRUE	9.44E-09
Overall COPD	SH3BP4	cg13530377	rs2840029	C	G	-0.186	0.033	0.137	2.27E-08	0.013	0.011	0.255	0.008	31.228	TRUE	3.76E-08
Overall COPD	SH3BP4	cg13530377	rs56048151	A	G	-0.251	0.039	0.094	1.07E-10	-0.004	0.011	0.695	0.011	41.675	TRUE	1.47E-10
Overall COPD	SH3BP4	cg13904006	rs7583595	C	T	0.174	0.026	0.290	1.12E-11	-0.016	0.008	0.035	0.012	46.084	TRUE	3.21E-11
Overall COPD	SH3BP4	cg13904006	rs78218646	T	C	-0.232	0.031	0.187	5.05E-14	0.015	0.009	0.089	0.015	56.680	TRUE	1.42E-13
Overall COPD	SH3BP4	cg14096415	rs10803629	G	A	-0.512	0.028	0.225	6.05E-76	-0.006	0.008	0.478	0.084	339.924	TRUE	3.90E-73
Overall COPD	SH3BP4	cg14096415	rs10929071	G	A	-0.218	0.027	0.260	3.63E-16	-0.004	0.008	0.648	0.018	66.391	TRUE	6.41E-16
Overall COPD	SH3BP4	cg14096415	rs10929074	C	G	-0.170	0.028	0.290	9.63E-10	0.005	0.008	0.521	0.010	37.378	TRUE	1.42E-09
Overall COPD	SH3BP4	cg14096415	rs11682146	T	C	-0.312	0.039	0.091	2.26E-15	-0.017	0.012	0.147	0.017	62.791	TRUE	6.17E-15
Overall COPD	SH3BP4	cg14917874	rs11680626	A	T	0.698	0.024	0.309	1.29E-186	0.006	0.008	0.462	0.187	848.398	TRUE	9.85E-173
Overall COPD	SH3BP4	cg14917874	rs13020664	C	A	0.203	0.036	0.414	1.22E-08	-0.003	0.007	0.634	0.009	32.444	TRUE	1.62E-08
Overall COPD	SH3BP4	cg14917874	rs6754925	T	C	0.339	0.056	0.108	1.10E-09	-0.021	0.011	0.071	0.010	37.118	TRUE	2.47E-09
Overall COPD	SH3BP4	cg14917874	rs76292477	C	T	-0.318	0.043	0.071	1.61E-13	-0.002	0.012	0.888	0.014	54.399	TRUE	2.21E-13
Overall COPD	SH3BP4	cg14917874	rs9798244	C	T	0.200	0.026	0.280	3.03E-14	-0.003	0.008	0.724	0.015	57.685	TRUE	4.70E-14
Overall COPD	SH3BP4	cg16167060	rs7565692	A	T	0.208	0.029	0.215	7.24E-13	0.012	0.009	0.163	0.014	51.449	TRUE	1.67E-12

Overall COPD	SH3BP4	cg19964403	rs72987449	C	T	-0.417	0.036	0.252	7.59E-32	-0.008	0.008	0.351	0.036	137.844	TRUE	4.56E-31
Overall COPD	SH3BP4	cg19998400	rs12476431	T	C	-0.242	0.035	0.120	5.46E-12	-0.013	0.011	0.223	0.013	47.488	TRUE	1.11E-11
Overall COPD	SH3BP4	cg19998400	rs1526122	G	C	-0.144	0.025	0.318	4.79E-09	0.006	0.008	0.475	0.009	34.254	TRUE	7.04E-09
Overall COPD	SH3BP4	cg19998400	rs4429425	A	G	-0.387	0.037	0.105	3.57E-26	-0.023	0.012	0.049	0.029	111.941	TRUE	2.74E-25
Overall COPD	SH3BP4	cg19998400	rs4663178	T	C	-0.251	0.036	0.114	4.40E-12	-0.008	0.011	0.502	0.013	47.911	TRUE	7.19E-12
Overall COPD	SH3BP4	cg20023271	rs6711905	A	G	0.286	0.032	0.491	4.39E-19	-0.003	0.007	0.693	0.021	79.643	TRUE	8.58E-19
Overall COPD	SH3BP4	cg23729407	rs13003045	T	G	-0.315	0.031	0.156	5.83E-24	-0.010	0.010	0.336	0.027	101.850	TRUE	2.06E-23
Overall COPD	SH3BP4	cg23729407	rs4663177	C	T	-0.277	0.025	0.321	2.63E-28	0.005	0.007	0.492	0.032	121.673	TRUE	1.04E-27
Overall COPD	SH3BP4	cg23729407	rs6431314	G	A	0.148	0.024	0.369	1.56E-09	-0.004	0.007	0.559	0.010	36.442	TRUE	2.22E-09
Overall COPD	SH3BP4	cg23729407	rs79977480	C	G	-1.710	0.055	0.039	3.39E-210	0.009	0.016	0.564	0.206	956.809	TRUE	4.20E-193
Overall COPD	SH3BP4	cg23946364	rs11682146	T	C	-0.277	0.039	0.091	8.17E-13	-0.017	0.012	0.147	0.014	51.213	TRUE	1.92E-12
Overall COPD	SH3BP4	cg23946364	rs56310932	A	G	-0.673	0.037	0.102	5.19E-75	-0.002	0.011	0.822	0.083	335.638	TRUE	1.74E-72
Overall COPD	SH3BP4	cg23946364	rs7579843	G	A	0.231	0.028	0.242	6.96E-17	0.016	0.008	0.049	0.018	69.646	TRUE	2.68E-16
Overall COPD	SH3BP4	cg24906525	rs111817009	G	T	-0.513	0.059	0.038	3.54E-18	0.027	0.023	0.235	0.020	75.521	TRUE	1.00E-17
Overall COPD	SH3BP4	cg24906525	rs13003045	T	G	-0.711	0.030	0.156	2.84E-122	-0.010	0.010	0.336	0.130	552.678	TRUE	1.19E-115
Overall COPD	SH3BP4	cg24906525	rs1559983	C	T	-0.225	0.028	0.213	7.73E-16	-0.005	0.009	0.522	0.017	64.902	TRUE	1.47E-15
Overall COPD	SH3BP4	cg24906525	rs6722544	C	T	-0.250	0.027	0.240	2.88E-20	0.009	0.009	0.285	0.022	85.025	TRUE	8.64E-20
Overall COPD	SH3BP4	cg24906525	rs78218646	T	C	0.215	0.031	0.187	3.22E-12	0.015	0.009	0.089	0.013	48.524	TRUE	8.11E-12
Overall COPD	SH3BP4	cg24995678	rs2195195	C	T	-0.501	0.027	0.244	1.18E-76	0.016	0.008	0.050	0.085	343.186	TRUE	3.24E-73
Overall COPD	SH3BP4	cg24995678	rs530547688	T	C	-0.490	0.083	0.046	3.68E-09	0.008	0.018	0.670	0.009	34.769	TRUE	4.90E-09
Overall COPD	SH3BP4	cg25591888	rs12475961	C	A	-0.237	0.035	0.116	2.18E-11	-0.013	0.011	0.236	0.012	44.777	TRUE	4.26E-11
Overall COPD	SH3BP4	cg27024844	rs78218646	T	C	-0.191	0.031	0.187	6.44E-10	0.015	0.009	0.089	0.010	38.164	TRUE	1.41E-09
Overall COPD	SH3BP4	cg27577781	rs3731646	A	G	0.268	0.040	0.100	1.75E-11	-0.002	0.011	0.884	0.012	45.212	TRUE	2.25E-11
Overall COPD	SH3BP4	cg27577781	rs6732663	T	C	-0.446	0.043	0.191	1.14E-24	0.005	0.009	0.611	0.028	105.079	TRUE	3.21E-24
Overall COPD	SH3RF1	cg05907036	rs10013658	C	A	0.398	0.023	0.496	6.20E-65	0.004	0.007	0.598	0.073	289.402	TRUE	7.40E-63
Overall COPD	SH3RF1	cg05907036	rs35169897	T	C	-0.266	0.026	0.268	5.70E-24	0.017	0.007	0.018	0.027	101.894	TRUE	4.64E-23
Overall COPD	SH3RF1	cg05907036	rs4295223	A	G	-0.212	0.038	0.103	2.02E-08	-0.008	0.011	0.479	0.008	31.457	TRUE	2.89E-08
Overall COPD	SH3RF1	cg05907036	rs72710307	C	T	-0.291	0.038	0.095	3.98E-14	0.027	0.011	0.011	0.015	57.148	TRUE	1.64E-13
Overall COPD	SH3RF1	cg07082484	rs112555385	G	C	-0.569	0.047	0.071	7.13E-34	0.003	0.014	0.840	0.038	147.112	TRUE	2.96E-33
Overall COPD	SH3RF1	cg07082484	rs11732885	C	T	0.148	0.024	0.407	8.28E-10	-0.013	0.007	0.062	0.010	37.672	TRUE	1.91E-09
Overall COPD	SH3RF1	cg07082484	rs12508973	C	A	-0.269	0.024	0.456	4.27E-29	0.012	0.007	0.095	0.033	125.280	TRUE	3.41E-28
Overall COPD	SH3RF1	cg07082484	rs140619010	G	A	-0.534	0.056	0.039	1.15E-21	0.042	0.016	0.009	0.024	91.383	TRUE	9.09E-21
Overall COPD	SH3RF1	cg07082484	rs62333101	C	T	0.305	0.039	0.097	9.38E-15	-0.007	0.013	0.582	0.016	59.991	TRUE	1.63E-14
Overall COPD	SH3RF1	cg07082484	rs6836768	C	T	-0.426	0.068	0.030	3.02E-10	0.011	0.017	0.522	0.011	39.639	TRUE	4.53E-10
Overall COPD	SH3RF1	cg07082484	rs72706443	C	T	-0.709	0.078	0.024	1.50E-19	-0.012	0.019	0.523	0.022	81.765	TRUE	3.42E-19
Overall COPD	SH3RF1	cg07082484	rs7688854	A	G	-0.483	0.036	0.117	3.05E-40	0.020	0.011	0.064	0.045	176.247	TRUE	7.48E-39
Overall COPD	SH3RF1	cg07082484	rs9997176	C	T	-0.562	0.055	0.045	1.95E-24	0.017	0.016	0.288	0.027	104.015	TRUE	7.57E-24
Overall COPD	SH3RF1	cg09178384	rs1112821	C	A	0.512	0.023	0.494	4.33E-108	0.004	0.007	0.580	0.116	487.519	TRUE	5.60E-103
Overall COPD	SH3RF1	cg09178384	rs17710102	C	T	-0.194	0.035	0.126	3.18E-08	-0.014	0.011	0.223	0.008	30.576	TRUE	5.36E-08
Overall COPD	SH3RF1	cg09178384	rs200262160	T	C	-0.261	0.031	0.166	5.14E-17	-0.002	0.009	0.807	0.019	70.245	TRUE	8.47E-17
Overall COPD	SH3RF1	cg09178384	rs34879961	G	A	-0.234	0.034	0.139	5.59E-12	0.018	0.010	0.067	0.013	47.443	TRUE	1.46E-11
Overall COPD	SH3RF1	cg12257055	rs10050030	G	A	-0.385	0.025	0.307	6.62E-54	0.017	0.007	0.020	0.061	238.833	TRUE	1.11E-51

Overall COPD	SH3RF1	cg12257055	rs13151571	A	T	-0.236	0.042	0.083	1.46E-08	0.002	0.011	0.847	0.009	32.085	TRUE	1.76E-08
Overall COPD	SH3RF1	cg12257055	rs57697968	T	C	-0.235	0.035	0.128	2.40E-11	0.002	0.010	0.849	0.012	44.593	TRUE	3.13E-11
Overall COPD	SH3RF1	cg13251507	rs10015672	A	T	-0.235	0.040	0.087	4.70E-09	0.030	0.011	0.007	0.009	34.292	TRUE	1.38E-08
Overall COPD	SH3RF1	cg13251507	rs1112821	C	A	0.423	0.023	0.494	1.19E-72	0.004	0.007	0.580	0.081	324.813	TRUE	4.05E-70
Overall COPD	SH3RF1	cg13251507	rs2245118	A	T	-0.142	0.025	0.311	2.25E-08	0.025	0.009	0.007	0.008	31.249	TRUE	6.22E-08
Overall COPD	SH3RF1	cg13251507	rs4295223	A	G	-0.243	0.038	0.103	1.48E-10	-0.008	0.011	0.479	0.011	41.034	TRUE	2.30E-10
Overall COPD	SH3RF1	cg13251507	rs62333101	C	T	-0.232	0.040	0.097	4.09E-09	-0.007	0.013	0.582	0.009	34.561	TRUE	5.68E-09
Overall COPD	SH3RF1	cg13383775	rs2069	C	G	-1.364	0.055	0.041	8.70E-135	0.017	0.016	0.288	0.142	610.171	TRUE	7.38E-127
Overall COPD	SH3RF1	cg13383775	rs2706736	T	C	-0.149	0.025	0.348	1.84E-09	0.001	0.013	0.947	0.010	36.120	TRUE	2.17E-09
Overall COPD	SH3RF1	cg13383775	rs35612447	C	T	0.223	0.027	0.261	6.20E-17	0.017	0.007	0.018	0.019	69.874	TRUE	2.93E-16
Overall COPD	SH3RF1	cg14017034	rs4692707	C	T	-0.143	0.023	0.497	9.88E-10	0.004	0.007	0.580	0.010	37.328	TRUE	1.41E-09
Overall COPD	SH3RF1	cg18949666	rs13141011	A	G	-0.357	0.033	0.149	5.85E-27	-0.004	0.010	0.682	0.030	115.527	TRUE	1.77E-26
Overall COPD	SH3RF1	cg18949666	rs17710102	C	T	-0.414	0.035	0.126	1.35E-32	-0.014	0.011	0.223	0.037	141.267	TRUE	1.05E-31
Overall COPD	SH3RF1	cg18949666	rs1876398	A	G	-0.238	0.025	0.321	3.47E-21	-0.008	0.007	0.247	0.024	89.207	TRUE	1.16E-20
Overall COPD	SH3RF1	cg18949666	rs200262160	T	C	-0.420	0.031	0.166	8.80E-42	-0.002	0.009	0.807	0.047	183.293	TRUE	7.01E-41
Overall COPD	SH3RF1	cg18949666	rs71643119	T	A	-0.313	0.030	0.182	7.14E-25	0.031	0.016	0.049	0.028	106.007	TRUE	4.95E-24
Overall COPD	SH3RF1	cg18949666	rs72691053	A	T	-0.313	0.044	0.085	1.25E-12	-0.007	0.014	0.614	0.013	50.379	TRUE	1.95E-12
Overall COPD	SH3RF1	cg18949666	rs72700322	G	A	0.152	0.026	0.279	5.97E-09	0.009	0.008	0.250	0.009	33.826	TRUE	1.02E-08
Overall COPD	SH3RF1	cg18949666	rs76568960	A	G	0.381	0.051	0.134	5.48E-14	-0.008	0.011	0.485	0.015	56.519	TRUE	9.84E-14
Overall COPD	SH3RF1	cg18949666	rs79122457	C	T	-0.369	0.052	0.055	9.60E-13	-0.006	0.013	0.638	0.014	50.898	TRUE	1.48E-12
Overall COPD	SHISA5	cg06811183	rs186250793	G	A	1.258	0.172	0.010	2.42E-13	0.020	0.030	0.498	0.014	53.605	TRUE	4.18E-13
Overall COPD	SHISA5	cg07378590	rs11713251	T	A	-0.514	0.094	0.014	4.70E-08	-0.074	0.029	0.012	0.008	29.821	TRUE	1.20E-07
Overall COPD	SHISA5	cg14494596	rs11713251	T	A	-1.017	0.095	0.014	1.39E-26	-0.074	0.029	0.012	0.030	113.811	TRUE	1.55E-25
Overall COPD	SHISA5	cg14494596	rs80313406	T	A	-0.381	0.058	0.048	3.95E-11	-0.013	0.017	0.443	0.012	43.615	TRUE	6.44E-11
Overall COPD	SHISA5	cg24273394	rs116285936	T	C	0.741	0.095	0.013	6.20E-15	-0.065	0.029	0.025	0.016	60.803	TRUE	2.37E-14
Overall COPD	SHISA5	cg24273394	rs80313406	T	A	0.337	0.057	0.048	3.04E-09	-0.013	0.017	0.443	0.009	35.136	TRUE	4.59E-09
Overall COPD	SIVA1	cg10285897	rs4983547	A	G	-0.271	0.036	0.110	3.98E-14	-0.011	0.010	0.283	0.015	57.148	TRUE	8.51E-14
Overall COPD	SIVA1	cg10909152	rs1128866	A	G	0.227	0.028	0.217	7.64E-16	-0.014	0.008	0.081	0.017	64.926	TRUE	2.47E-15
Overall COPD	SIVA1	cg10909152	rs66464514	G	A	-0.319	0.025	0.323	2.95E-38	0.017	0.007	0.015	0.043	167.161	TRUE	9.30E-37
Overall COPD	SIVA1	cg10909152	rs73362598	C	T	-1.585	0.168	0.012	4.93E-21	-0.036	0.040	0.362	0.023	88.514	TRUE	1.42E-20
Overall COPD	SIVA1	cg19495714	rs4983549	A	G	-0.343	0.025	0.323	3.39E-44	0.016	0.007	0.024	0.050	194.349	TRUE	1.73E-42
Overall COPD	SIVA1	cg19495714	rs56054225	A	G	0.170	0.028	0.217	1.44E-09	-0.015	0.009	0.084	0.010	36.592	TRUE	3.13E-09
Overall COPD	SKIL	cg11886554	rs139574591	A	C	-0.930	0.143	0.017	7.42E-11	-0.020	0.028	0.470	0.011	42.381	TRUE	1.18E-10
Overall COPD	SKIL	cg11886554	rs16854733	C	G	0.160	0.027	0.269	2.03E-09	-0.016	0.008	0.044	0.010	35.923	TRUE	4.84E-09
Overall COPD	SKIL	cg11886554	rs17236879	T	A	-0.326	0.046	0.068	1.76E-12	0.023	0.014	0.089	0.013	49.707	TRUE	4.51E-12
Overall COPD	SKIL	cg11886554	rs2032744	C	T	0.286	0.024	0.389	1.13E-32	0.000	0.007	0.979	0.037	141.620	TRUE	3.82E-32
Overall COPD	SKIL	cg11886554	rs2111822	T	C	-0.291	0.053	0.102	3.25E-08	0.001	0.012	0.958	0.008	30.534	TRUE	3.70E-08
Overall COPD	SKIL	cg11886554	rs57508070	C	A	-1.183	0.030	0.127	<1E-200	-0.028	0.011	0.012	0.298	1572.926	TRUE	1.18E-300
Overall COPD	SKIL	cg11886554	rs73042011	T	C	-0.725	0.067	0.030	3.01E-27	-0.036	0.019	0.059	0.031	116.840	TRUE	2.40E-26
Overall COPD	SKIL	cg11886554	rs9861963	A	G	-0.278	0.033	0.150	2.99E-17	0.005	0.009	0.564	0.019	71.315	TRUE	5.88E-17
Overall COPD	SKIL	cg11886554	rs9877574	A	G	-0.170	0.027	0.254	2.04E-10	-0.011	0.008	0.183	0.011	40.403	TRUE	4.02E-10
Overall COPD	SKIL	cg14612335	rs57508070	C	A	-0.274	0.035	0.127	5.33E-15	-0.028	0.011	0.012	0.016	61.102	TRUE	2.32E-14

Overall COPD	SKIL	cg25446191	rs3772173	C	T	0.411	0.030	0.189	1.69E-43	-0.018	0.009	0.050	0.049	191.150	TRUE	6.32E-42
Overall COPD	SLC26A1	cg09153458	rs10016151	G	A	0.242	0.024	0.412	3.48E-24	-0.005	0.008	0.497	0.027	102.868	TRUE	1.06E-23
Overall COPD	SLC26A1	cg09153458	rs115657987	A	G	-0.495	0.088	0.018	1.60E-08	0.008	0.028	0.785	0.009	31.907	TRUE	1.98E-08
Overall COPD	SLC26A1	cg09153458	rs13143527	A	G	0.280	0.024	0.392	2.76E-31	-0.021	0.007	0.004	0.035	135.281	TRUE	6.12E-30
Overall COPD	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	-0.025	0.020	0.222	0.017	63.284	TRUE	4.33E-15
Overall COPD	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	-0.013	0.007	0.059	0.019	72.821	TRUE	5.41E-17
Overall COPD	SLC26A1	cg09153458	rs57186616	A	G	0.223	0.032	0.155	5.63E-12	-0.006	0.014	0.647	0.013	47.428	TRUE	8.38E-12
Overall COPD	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	-0.039	0.016	0.017	0.010	36.306	TRUE	4.57E-09
Overall COPD	SLC26A1	cg09153458	rs6599391	G	T	-0.441	0.033	0.153	6.89E-42	-0.013	0.010	0.205	0.047	183.781	TRUE	1.25E-40
Overall COPD	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	0.008	0.008	0.370	0.013	48.143	TRUE	7.03E-12
Overall COPD	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	0.003	0.007	0.650	0.008	30.232	TRUE	4.94E-08
Overall COPD	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	-0.013	0.007	0.059	0.009	33.142	TRUE	1.85E-08
Overall COPD	SLC30A2	cg00349061	rs11247870	A	C	0.161	0.024	0.474	8.25E-12	0.001	0.007	0.849	0.012	46.680	TRUE	1.09E-11
Overall COPD	SLC30A2	cg00349061	rs12094933	C	T	-0.288	0.029	0.211	6.15E-24	-0.021	0.008	0.013	0.027	101.741	TRUE	5.38E-23
Overall COPD	SLC30A2	cg00349061	rs55904918	C	T	0.856	0.076	0.025	3.10E-29	0.025	0.020	0.217	0.033	125.913	TRUE	1.88E-28
Overall COPD	SLC30A2	cg00349061	rs6675604	A	G	0.207	0.030	0.200	2.39E-12	0.017	0.008	0.037	0.013	49.107	TRUE	7.15E-12
Overall COPD	SLC30A2	cg00349061	rs6686190	A	G	0.858	0.037	0.105	3.32E-117	0.018	0.011	0.105	0.125	529.393	TRUE	1.13E-110
Overall COPD	SLC30A2	cg01689405	rs1317709	G	T	-0.273	0.028	0.211	8.41E-22	-0.021	0.008	0.012	0.024	92.011	TRUE	6.27E-21
Overall COPD	SLC30A3	cg01878321	rs113407226	A	G	1.297	0.037	0.097	2.14E-266	-0.009	0.011	0.447	0.247	1215.238	TRUE	5.77E-240
Overall COPD	SLC30A3	cg01878321	rs114494479	A	G	0.497	0.068	0.029	3.90E-13	-0.037	0.017	0.029	0.014	52.664	TRUE	1.28E-12
Overall COPD	SLC30A3	cg01878321	rs1260330	C	T	-0.250	0.024	0.418	3.40E-26	-0.003	0.007	0.646	0.029	112.038	TRUE	1.02E-25
Overall COPD	SLC30A3	cg01878321	rs13029796	T	G	-0.152	0.025	0.337	7.26E-10	0.002	0.007	0.725	0.010	37.928	TRUE	9.63E-10
Overall COPD	SLC30A3	cg01878321	rs13414801	T	C	0.204	0.025	0.330	2.02E-16	-0.006	0.007	0.402	0.018	67.550	TRUE	4.34E-16
Overall COPD	SLC30A3	cg01878321	rs138906402	G	A	0.697	0.049	0.060	7.65E-47	-0.002	0.015	0.870	0.053	206.469	TRUE	8.93E-46
Overall COPD	SLC30A3	cg01878321	rs2141371	G	A	-0.143	0.026	0.282	3.67E-08	-0.019	0.008	0.012	0.008	30.299	TRUE	9.42E-08
Overall COPD	SLC30A3	cg01878321	rs4665402	T	A	-0.155	0.027	0.241	1.54E-08	0.007	0.008	0.365	0.009	31.986	TRUE	2.37E-08
Overall COPD	SLC30A3	cg01878321	rs6749216	C	T	0.194	0.024	0.429	2.89E-16	-0.014	0.007	0.057	0.018	66.842	TRUE	1.04E-15
Overall COPD	SLC30A3	cg03023068	rs113407226	A	G	1.045	0.038	0.097	7.78E-164	-0.009	0.011	0.447	0.167	743.675	TRUE	7.63E-153
Overall COPD	SLC30A3	cg03023068	rs114494479	A	G	0.418	0.068	0.029	9.82E-10	-0.037	0.017	0.029	0.010	37.340	TRUE	2.54E-09
Overall COPD	SLC30A3	cg03023068	rs3739095	A	G	-0.197	0.024	0.451	7.84E-17	0.001	0.007	0.891	0.018	69.411	TRUE	1.22E-16
Overall COPD	SLC30A3	cg03023068	rs3817588	C	T	-0.204	0.030	0.179	1.26E-11	-0.009	0.008	0.260	0.012	45.852	TRUE	2.43E-11
Overall COPD	SLC30A3	cg03023068	rs62140391	C	A	-0.168	0.026	0.315	4.78E-11	-0.010	0.008	0.173	0.012	43.243	TRUE	9.83E-11
Overall COPD	SLC30A3	cg03023068	rs6749216	C	T	0.132	0.024	0.429	3.03E-08	-0.014	0.007	0.057	0.008	30.672	TRUE	6.42E-08
Overall COPD	SLC30A3	cg03023068	rs72854140	A	G	0.531	0.047	0.068	4.15E-30	-0.008	0.015	0.609	0.034	129.905	TRUE	1.65E-29
Overall COPD	SLC30A3	cg08789022	rs1561535	T	C	0.196	0.026	0.303	2.10E-14	-0.017	0.008	0.033	0.016	58.402	TRUE	7.37E-14
Overall COPD	SLC30A3	cg23587288	rs11127048	G	A	0.163	0.024	0.387	9.21E-12	0.008	0.007	0.261	0.012	46.464	TRUE	1.79E-11
Overall COPD	SLC30A3	cg23587288	rs11674947	G	A	-0.507	0.026	0.248	3.56E-82	-0.020	0.008	0.015	0.091	368.517	TRUE	4.01E-78
Overall COPD	SLC30A3	cg23587288	rs12467319	C	T	-0.140	0.024	0.414	5.95E-09	-0.021	0.007	0.003	0.009	33.833	TRUE	1.91E-08
Overall COPD	SLC30A3	cg23587288	rs142578901	A	G	-0.342	0.060	0.044	1.12E-08	-0.036	0.019	0.064	0.009	32.605	TRUE	2.40E-08
Overall COPD	SLC30A3	cg23587288	rs572883652	C	A	0.134	0.023	0.482	9.66E-09	0.005	0.007	0.503	0.009	32.890	TRUE	1.38E-08
Overall COPD	SLC30A3	cg23587288	rs72816498	G	A	-0.310	0.046	0.072	2.41E-11	-0.048	0.014	8.07E-04	0.012	44.579	TRUE	1.11E-10
Overall COPD	SLC30A3	cg24594459	rs10187781	C	T	0.243	0.026	0.303	1.61E-21	-0.017	0.008	0.033	0.024	90.723	TRUE	9.47E-21

Overall COPD	SLC39A4	cg00065570	rs2242269	G	A	0.248	0.023	0.489	1.96E-26	-0.001	0.007	0.939	0.030	113.127	TRUE	4.67E-26
Overall COPD	SLC39A4	cg02583091	rs2291133	T	G	-0.132	0.024	0.424	3.18E-08	0.014	0.007	0.058	0.008	30.581	TRUE	6.70E-08
Overall COPD	SLC39A4	cg02583091	rs62531506	A	G	0.253	0.036	0.140	1.45E-12	-0.004	0.010	0.676	0.013	50.084	TRUE	2.17E-12
Overall COPD	SLC39A4	cg02583091	rs7015683	G	T	0.243	0.024	0.436	7.03E-24	0.001	0.007	0.941	0.027	101.479	TRUE	1.45E-23
Overall COPD	SLC39A4	cg03453890	rs2977837	A	G	-0.711	0.045	0.076	2.21E-56	-0.017	0.012	0.172	0.063	250.182	TRUE	2.07E-54
Overall COPD	SLC39A4	cg04600798	rs7843675	G	A	-0.307	0.045	0.076	9.28E-12	-0.016	0.012	0.198	0.012	46.449	TRUE	1.92E-11
Overall COPD	SLC39A4	cg05574324	rs4925858	A	G	0.151	0.023	0.483	6.24E-11	-0.001	0.007	0.903	0.011	42.720	TRUE	7.83E-11
Overall COPD	SLC39A4	cg05574324	rs7813146	C	T	-0.346	0.045	0.076	9.85E-15	-0.051	0.022	0.019	0.016	59.893	TRUE	3.90E-14
Overall COPD	SLC39A4	cg05681977	rs2291133	T	G	-0.149	0.024	0.424	5.02E-10	0.014	0.007	0.058	0.010	38.650	TRUE	1.19E-09
Overall COPD	SLC39A4	cg05681977	rs35847380	T	C	0.932	0.044	0.077	1.26E-100	-0.017	0.012	0.150	0.109	453.242	TRUE	1.18E-95
Overall COPD	SLC39A4	cg05681977	rs62531499	T	C	0.268	0.036	0.139	8.94E-14	-0.004	0.010	0.676	0.015	55.557	TRUE	1.40E-13
Overall COPD	SLC39A4	cg05681977	rs7814545	A	G	0.256	0.024	0.436	2.88E-26	0.001	0.007	0.926	0.029	112.370	TRUE	6.85E-26
Overall COPD	SLC39A4	cg07933378	rs11776445	A	G	0.945	0.017	0.489	<1E-200	-0.001	0.007	0.869	0.446	2971.977	TRUE	<1E-200
Overall COPD	SLC39A4	cg07933378	rs118063632	T	C	0.442	0.041	0.096	1.91E-27	0.003	0.012	0.785	0.031	117.740	TRUE	5.48E-27
Overall COPD	SLC39A4	cg07933378	rs12681727	A	G	0.196	0.036	0.117	3.45E-08	0.005	0.011	0.667	0.008	30.419	TRUE	4.46E-08
Overall COPD	SLC39A4	cg07933378	rs13264480	A	G	-0.455	0.067	0.034	1.39E-11	0.016	0.023	0.487	0.012	45.662	TRUE	2.24E-11
Overall COPD	SLC39A4	cg07933378	rs144378245	A	G	0.387	0.063	0.033	9.95E-10	0.028	0.017	0.109	0.010	37.315	TRUE	2.08E-09
Overall COPD	SLC39A4	cg07933378	rs145477989	T	C	-0.599	0.102	0.029	4.13E-09	0.030	0.018	0.097	0.009	34.542	TRUE	8.50E-09
Overall COPD	SLC39A4	cg07933378	rs186891026	A	C	0.569	0.041	0.093	1.14E-44	-0.017	0.023	0.467	0.050	196.521	TRUE	1.74E-43
Overall COPD	SLC39A4	cg07933378	rs4977200	A	G	-0.298	0.024	0.386	5.48E-35	0.004	0.008	0.579	0.040	152.207	TRUE	3.19E-34
Overall COPD	SLC39A4	cg07933378	rs56041273	T	C	0.631	0.047	0.060	2.74E-40	-0.005	0.016	0.757	0.046	176.460	TRUE	2.02E-39
Overall COPD	SLC39A4	cg07933378	rs62531506	A	G	-0.307	0.036	0.140	7.50E-18	-0.004	0.010	0.676	0.020	74.041	TRUE	1.40E-17
Overall COPD	SLC39A4	cg07933378	rs72699313	C	A	0.285	0.038	0.093	1.26E-13	0.002	0.012	0.859	0.015	54.878	TRUE	1.77E-13
Overall COPD	SLC39A4	cg07933378	rs80233585	A	G	-0.265	0.023	0.462	8.46E-30	0.003	0.008	0.684	0.034	128.491	TRUE	3.07E-29
Overall COPD	SLC39A4	cg08969922	rs1011212	T	C	0.142	0.023	0.485	9.62E-10	-0.001	0.007	0.833	0.010	37.380	TRUE	1.21E-09
Overall COPD	SLC39A4	cg12676500	rs2721188	C	T	0.250	0.024	0.392	8.32E-25	0.006	0.007	0.399	0.028	105.704	TRUE	2.89E-24
Overall COPD	SLC39A4	cg12676500	rs2977837	A	G	-0.852	0.045	0.076	3.73E-81	-0.017	0.012	0.172	0.090	363.832	TRUE	1.09E-77
Overall COPD	SLC39A4	cg14228592	rs2291133	T	G	-0.141	0.024	0.424	4.15E-09	0.014	0.007	0.058	0.009	34.531	TRUE	9.29E-09
Overall COPD	SLC39A4	cg14228592	rs35847380	T	C	0.973	0.044	0.077	3.89E-110	-0.017	0.012	0.150	0.118	496.918	TRUE	2.37E-104
Overall COPD	SLC39A4	cg14228592	rs62531499	T	C	0.271	0.036	0.139	3.95E-14	-0.004	0.010	0.676	0.015	57.164	TRUE	6.28E-14
Overall COPD	SLC39A4	cg14228592	rs7814545	A	G	0.275	0.024	0.436	3.14E-30	0.001	0.007	0.926	0.034	130.459	TRUE	9.47E-30
Overall COPD	SLC39A4	cg18246227	rs2977837	A	G	0.515	0.045	0.076	5.06E-30	-0.017	0.012	0.172	0.034	129.512	TRUE	3.55E-29
Overall COPD	SLC39A4	cg20259557	rs2721188	C	T	0.211	0.024	0.392	5.12E-18	0.006	0.007	0.399	0.020	74.794	TRUE	1.20E-17
Overall COPD	SLC39A4	cg20259557	rs2977837	A	G	-0.612	0.045	0.076	8.03E-42	-0.017	0.012	0.172	0.047	183.477	TRUE	1.57E-40
Overall COPD	SLC39A4	cg24625894	rs7813146	C	T	-0.260	0.045	0.076	6.85E-09	-0.051	0.022	0.019	0.009	33.559	TRUE	1.76E-08
Overall COPD	SLC7A11	cg15441006	rs4863746	A	C	0.319	0.046	0.072	2.73E-12	0.013	0.012	0.280	0.013	48.850	TRUE	5.33E-12
Overall COPD	SLC7A11	cg15441006	rs57066745	C	T	-0.154	0.023	0.475	5.05E-11	-0.002	0.007	0.743	0.012	43.135	TRUE	6.89E-11
Overall COPD	SLC7A11	cg15441006	rs62324385	A	T	0.167	0.030	0.191	2.33E-08	-0.005	0.009	0.548	0.008	31.181	TRUE	3.21E-08
Overall COPD	SMCR8	cg19346202	rs141443388	G	A	-0.419	0.070	0.024	1.64E-09	-0.010	0.022	0.656	0.010	36.340	TRUE	2.22E-09
Overall COPD	SMCR8	cg19346202	rs4924845	G	A	-0.335	0.025	0.319	3.23E-42	0.021	0.007	0.003	0.048	185.286	TRUE	2.31E-40
Overall COPD	SMCR8	cg19346202	rs56806702	T	G	0.178	0.032	0.168	1.98E-08	0.000	0.010	0.963	0.008	31.495	TRUE	2.26E-08
Overall COPD	SNCA	cg01035160	rs6812192	A	G	-0.147	0.023	0.495	2.10E-10	-0.014	0.007	0.034	0.011	40.349	TRUE	5.57E-10

Overall COPD	SNCA	cg01966878	rs10516864	G	A	-0.277	0.024	0.444	1.60E-31	0.010	0.007	0.119	0.036	136.361	TRUE	1.45E-30
Overall COPD	SNCA	cg01966878	rs13125108	G	T	-0.194	0.023	0.478	8.83E-17	0.004	0.007	0.563	0.018	69.178	TRUE	1.70E-16
Overall COPD	SNCA	cg01966878	rs142993106	A	G	0.757	0.098	0.012	1.28E-14	0.021	0.025	0.414	0.016	59.384	TRUE	2.49E-14
Overall COPD	SNCA	cg01966878	rs17016330	T	C	0.607	0.070	0.029	7.30E-18	0.005	0.020	0.793	0.020	74.095	TRUE	1.26E-17
Overall COPD	SNCA	cg01966878	rs17795442	C	T	0.457	0.067	0.028	9.50E-12	-0.032	0.018	0.072	0.012	46.405	TRUE	2.42E-11
Overall COPD	SNCA	cg01966878	rs1837890	A	C	0.513	0.026	0.256	1.23E-88	-0.002	0.008	0.800	0.097	398.182	TRUE	3.36E-85
Overall COPD	SNCA	cg01966878	rs1841625	G	A	-0.242	0.024	0.433	2.47E-24	0.012	0.007	0.083	0.027	103.551	TRUE	1.43E-23
Overall COPD	SNCA	cg01966878	rs34305125	A	G	0.712	0.080	0.025	3.59E-19	-0.018	0.024	0.463	0.021	80.039	TRUE	8.46E-19
Overall COPD	SNCA	cg01966878	rs3756059	G	A	0.797	0.020	0.484	<1E-200	-0.015	0.007	0.025	0.295	1547.224	TRUE	1.55E-296
Overall COPD	SNCA	cg01966878	rs3775465	C	A	-0.409	0.046	0.077	2.75E-19	0.017	0.014	0.211	0.021	80.565	TRUE	8.58E-19
Overall COPD	SNCA	cg01966878	rs62306279	C	T	-0.326	0.054	0.050	1.05E-09	0.023	0.016	0.147	0.010	37.209	TRUE	2.07E-09
Overall COPD	SNCA	cg01966878	rs62312689	A	G	-0.288	0.045	0.072	1.91E-10	-0.004	0.016	0.809	0.011	40.530	TRUE	2.48E-10
Overall COPD	SNCA	cg01966878	rs6532182	T	A	-0.192	0.033	0.140	8.69E-09	0.013	0.010	0.183	0.009	33.097	TRUE	1.57E-08
Overall COPD	SNCA	cg01966878	rs72881699	G	A	0.269	0.038	0.108	1.18E-12	0.001	0.011	0.926	0.013	50.495	TRUE	1.54E-12
Overall COPD	SNCA	cg02192967	rs6532198	C	T	-0.179	0.023	0.480	9.69E-15	-0.016	0.007	0.030	0.016	59.925	TRUE	3.55E-14
Overall COPD	SNCA	cg06632027	rs11728457	G	A	0.167	0.028	0.250	1.48E-09	0.013	0.008	0.094	0.010	36.544	TRUE	3.14E-09
Overall COPD	SNCA	cg06632027	rs1372520	T	C	0.629	0.028	0.209	4.24E-113	-0.005	0.008	0.538	0.121	510.531	TRUE	1.61E-107
Overall COPD	SNCA	cg06632027	rs142993106	A	G	0.548	0.098	0.012	2.52E-08	0.021	0.025	0.414	0.008	31.031	TRUE	3.72E-08
Overall COPD	SNCA	cg06632027	rs17016330	T	C	0.557	0.071	0.029	2.75E-15	0.005	0.020	0.793	0.017	62.406	TRUE	4.26E-15
Overall COPD	SNCA	cg06632027	rs17810668	G	A	-0.418	0.066	0.066	2.73E-10	0.001	0.017	0.934	0.011	39.836	TRUE	3.31E-10
Overall COPD	SNCA	cg06632027	rs187644542	G	A	0.306	0.046	0.194	3.93E-11	0.011	0.015	0.452	0.012	43.625	TRUE	6.37E-11
Overall COPD	SNCA	cg06632027	rs189994040	T	A	0.586	0.107	0.012	4.67E-08	-0.024	0.033	0.470	0.008	29.833	TRUE	6.62E-08
Overall COPD	SNCA	cg06632027	rs356194	A	G	-0.446	0.025	0.293	6.59E-70	-0.023	0.008	0.007	0.078	312.220	TRUE	1.39E-66
Overall COPD	SNCA	cg06632027	rs71609574	A	G	0.671	0.084	0.021	1.26E-15	-0.022	0.027	0.402	0.017	63.934	TRUE	2.62E-15
Overall COPD	SNCA	cg08767460	rs10516863	T	C	-0.219	0.032	0.166	5.74E-12	0.015	0.009	0.084	0.013	47.391	TRUE	1.44E-11
Overall COPD	SNCA	cg08767460	rs111450301	T	G	0.689	0.068	0.028	2.21E-24	-0.050	0.024	0.035	0.027	103.768	TRUE	1.61E-23
Overall COPD	SNCA	cg08767460	rs13125108	G	T	-0.203	0.023	0.478	2.71E-18	0.004	0.007	0.563	0.020	76.050	TRUE	5.62E-18
Overall COPD	SNCA	cg08767460	rs143823825	A	G	0.594	0.095	0.014	3.70E-10	-0.035	0.023	0.130	0.010	39.246	TRUE	7.67E-10
Overall COPD	SNCA	cg08767460	rs17174961	A	G	0.196	0.025	0.347	2.78E-15	-0.014	0.007	0.047	0.017	62.381	TRUE	9.70E-15
Overall COPD	SNCA	cg08767460	rs2120374	A	G	0.373	0.024	0.393	5.45E-56	-0.023	0.007	9.23E-04	0.063	248.387	TRUE	2.93E-53
Overall COPD	SNCA	cg08767460	rs2583990	A	G	-0.368	0.028	0.221	7.64E-40	-0.003	0.008	0.673	0.045	174.421	TRUE	5.94E-39
Overall COPD	SNCA	cg08767460	rs3055038	C	T	0.798	0.088	0.020	8.21E-20	-0.006	0.037	0.869	0.022	82.955	TRUE	1.47E-19
Overall COPD	SNCA	cg08767460	rs35175911	C	T	0.169	0.030	0.186	1.91E-08	-0.007	0.009	0.444	0.008	31.570	TRUE	2.78E-08
Overall COPD	SNCA	cg08767460	rs356199	G	A	1.040	0.019	0.291	<1E-200	-0.017	0.008	0.032	0.440	2902.091	TRUE	<1E-200
Overall COPD	SNCA	cg08767460	rs3775434	G	A	-0.339	0.036	0.125	3.18E-21	0.026	0.010	0.009	0.024	89.378	TRUE	2.37E-20
Overall COPD	SNCA	cg08767460	rs4694012	A	G	-0.191	0.029	0.200	6.22E-11	-0.001	0.009	0.879	0.011	42.727	TRUE	7.90E-11
Overall COPD	SNCA	cg08767460	rs56068881	T	C	0.852	0.119	0.011	6.59E-13	-0.025	0.025	0.314	0.014	51.635	TRUE	1.29E-12
Overall COPD	SNCA	cg08767460	rs62306323	T	C	-0.386	0.050	0.109	1.07E-14	-0.008	0.011	0.471	0.016	59.722	TRUE	2.01E-14
Overall COPD	SNCA	cg08767460	rs6840386	T	C	-0.425	0.071	0.026	2.32E-09	0.003	0.020	0.869	0.010	35.662	TRUE	2.83E-09
Overall COPD	SNCA	cg08767460	rs72659431	A	G	0.880	0.069	0.033	8.37E-37	-0.019	0.018	0.304	0.042	160.512	TRUE	8.01E-36
Overall COPD	SNCA	cg08767460	rs72659464	G	T	0.759	0.082	0.040	2.87E-20	0.007	0.020	0.725	0.022	85.030	TRUE	5.81E-20
Overall COPD	SNCA	cg08767460	rs74360999	C	A	-0.211	0.025	0.328	1.28E-17	0.016	0.010	0.101	0.019	72.986	TRUE	4.40E-17

Overall COPD	SNCA	cg08767460	rs75878722	G	A	-0.256	0.045	0.075	1.64E-08	-0.017	0.014	0.224	0.009	31.867	TRUE	2.79E-08
Overall COPD	SNCA	cg08767460	rs76735357	A	G	-0.322	0.052	0.113	5.03E-10	0.021	0.011	0.050	0.010	38.644	TRUE	1.22E-09
Overall COPD	SNCA	cg08767460	rs78387881	A	G	0.487	0.083	0.022	3.94E-09	0.017	0.023	0.457	0.009	34.634	TRUE	5.87E-09
Overall COPD	SNCA	cg08767460	rs79517939	A	G	0.713	0.063	0.083	4.31E-30	-0.011	0.015	0.478	0.034	129.828	TRUE	1.96E-29
Overall COPD	SNCA	cg11512365	rs6841352	T	G	0.133	0.023	0.461	1.11E-08	0.007	0.007	0.289	0.009	32.623	TRUE	1.81E-08
Overall COPD	SNCA	cg11661187	rs2737026	A	G	-0.215	0.028	0.226	5.25E-15	-0.005	0.008	0.563	0.016	61.131	TRUE	9.34E-15
Overall COPD	SNCA	cg14346243	rs1372519	A	G	0.707	0.028	0.209	1.60E-144	-0.005	0.008	0.559	0.150	654.912	TRUE	7.27E-136
Overall COPD	SNCA	cg14346243	rs17016330	T	C	0.540	0.070	0.029	1.72E-14	0.005	0.020	0.793	0.016	58.803	TRUE	2.58E-14
Overall COPD	SNCA	cg14346243	rs2119787	G	A	-0.261	0.024	0.397	4.60E-28	0.008	0.007	0.266	0.032	120.565	TRUE	2.36E-27
Overall COPD	SNCA	cg14346243	rs34305125	A	G	0.687	0.079	0.025	5.62E-18	-0.018	0.024	0.463	0.020	74.609	TRUE	1.24E-17
Overall COPD	SNCA	cg14346243	rs58105555	G	A	-0.142	0.025	0.305	2.17E-08	0.013	0.007	0.064	0.008	31.320	TRUE	4.56E-08
Overall COPD	SNCA	cg15133208	rs10018362	C	T	-0.224	0.037	0.114	2.08E-09	0.028	0.011	0.010	0.010	35.874	TRUE	6.07E-09
Overall COPD	SNCA	cg15133208	rs11097238	T	C	-0.403	0.024	0.393	8.66E-66	0.008	0.007	0.250	0.073	293.324	TRUE	2.15E-63
Overall COPD	SNCA	cg15133208	rs1372519	A	G	0.941	0.025	0.209	<1E-200	-0.005	0.008	0.559	0.278	1426.103	TRUE	2.99E-277
Overall COPD	SNCA	cg15133208	rs1381352	T	G	-0.185	0.024	0.432	8.69E-15	0.012	0.007	0.085	0.016	60.139	TRUE	2.60E-14
Overall COPD	SNCA	cg15133208	rs142993106	A	G	0.741	0.098	0.012	4.46E-14	0.021	0.025	0.414	0.015	56.922	TRUE	8.49E-14
Overall COPD	SNCA	cg15133208	rs147876949	C	T	0.722	0.106	0.012	1.00E-11	-0.024	0.029	0.406	0.012	46.304	TRUE	1.72E-11
Overall COPD	SNCA	cg15133208	rs17016330	T	C	0.676	0.070	0.029	7.24E-22	0.005	0.020	0.793	0.024	92.306	TRUE	1.51E-21
Overall COPD	SNCA	cg15133208	rs28870145	G	A	0.352	0.058	0.041	1.19E-09	-0.022	0.018	0.215	0.010	36.971	TRUE	2.16E-09
Overall COPD	SNCA	cg15133208	rs34305125	A	G	0.790	0.079	0.025	2.65E-23	-0.018	0.024	0.463	0.026	98.849	TRUE	7.88E-23
Overall COPD	SNCA	cg15133208	rs62312689	A	G	-0.250	0.045	0.072	3.40E-08	-0.004	0.016	0.809	0.008	30.451	TRUE	4.12E-08
Overall COPD	SNCA	cg15133208	rs6856813	C	T	0.305	0.024	0.363	1.07E-36	-0.025	0.008	0.002	0.041	160.034	TRUE	4.78E-35
Overall COPD	SNCA	cg15133208	rs74786971	C	G	-0.295	0.046	0.077	1.45E-10	0.002	0.013	0.895	0.011	41.072	TRUE	1.81E-10
Overall COPD	SNCA	cg15133208	rs7688033	T	G	0.219	0.038	0.108	6.95E-09	0.002	0.011	0.850	0.009	33.532	TRUE	8.43E-09
Overall COPD	SNCA	cg18258770	rs2619371	G	A	0.141	0.026	0.282	4.41E-08	-0.013	0.008	0.083	0.008	29.942	TRUE	8.74E-08
Overall COPD	SNCA	cg20003494	rs11097238	T	C	-0.362	0.024	0.393	3.88E-53	0.008	0.007	0.250	0.060	235.313	TRUE	2.05E-51
Overall COPD	SNCA	cg20003494	rs17016330	T	C	0.563	0.070	0.029	1.31E-15	0.005	0.020	0.793	0.017	63.869	TRUE	2.05E-15
Overall COPD	SNCA	cg20003494	rs1841625	G	A	-0.173	0.024	0.433	3.46E-13	0.012	0.007	0.083	0.014	52.900	TRUE	9.40E-13
Overall COPD	SNCA	cg20003494	rs34027685	G	A	0.237	0.038	0.108	3.43E-10	0.002	0.011	0.855	0.011	39.389	TRUE	4.31E-10
Overall COPD	SNCA	cg20003494	rs34305125	A	G	0.677	0.079	0.025	1.64E-17	-0.018	0.024	0.463	0.019	72.496	TRUE	3.55E-17
Overall COPD	SNCA	cg20003494	rs3775434	G	A	-0.307	0.036	0.125	1.11E-17	0.026	0.010	0.009	0.019	73.274	TRUE	6.20E-17
Overall COPD	SNCA	cg20003494	rs6856813	C	T	0.311	0.024	0.363	3.93E-38	-0.025	0.008	0.002	0.043	166.590	TRUE	2.06E-36
Overall COPD	SNCA	cg20003494	rs74786971	C	G	-0.270	0.046	0.077	4.07E-09	0.002	0.013	0.895	0.009	34.571	TRUE	4.87E-09
Overall COPD	SNCA	cg20003494	rs983361	T	G	0.628	0.028	0.212	1.68E-113	-0.004	0.008	0.610	0.122	512.379	TRUE	6.03E-108
Overall COPD	SNCA	cg26578617	rs1372520	T	C	0.528	0.028	0.209	1.19E-77	-0.005	0.008	0.538	0.086	347.761	TRUE	8.87E-75
Overall COPD	SNCA	cg26578617	rs139301125	T	C	0.448	0.074	0.026	1.38E-09	0.008	0.021	0.706	0.010	36.680	TRUE	1.83E-09
Overall COPD	SNCA	cg26578617	rs2119787	G	A	-0.234	0.024	0.397	8.92E-23	0.008	0.007	0.266	0.025	96.449	TRUE	3.20E-22
Overall COPD	SNCA	cg26578617	rs59345481	G	T	-0.291	0.042	0.095	5.04E-12	0.009	0.013	0.474	0.013	47.647	TRUE	8.36E-12
Overall COPD	SNCA	cg26578617	rs6856813	C	T	0.196	0.024	0.363	6.69E-16	-0.025	0.008	0.002	0.017	65.186	TRUE	4.18E-15
Overall COPD	SNCA	cg26578617	rs71609574	A	G	0.543	0.084	0.021	1.00E-10	-0.022	0.027	0.402	0.011	41.793	TRUE	1.65E-10
Overall COPD	SNX4	cg12083990	rs12493868	T	C	0.340	0.037	0.113	6.77E-20	0.031	0.012	0.009	0.022	83.335	TRUE	4.59E-19
Overall COPD	SNX4	cg16468910	rs10934713	T	C	-0.323	0.025	0.335	1.29E-39	-0.016	0.007	0.023	0.045	173.377	TRUE	4.16E-38

Overall COPD	SNX4	cg16468910	rs112878393	A	G	0.335	0.039	0.096	1.76E-17	-0.009	0.011	0.382	0.019	72.362	TRUE	4.07E-17
Overall COPD	SNX4	cg16468910	rs115941286	T	A	-0.463	0.060	0.045	1.77E-14	-0.016	0.020	0.414	0.016	58.738	TRUE	3.44E-14
Overall COPD	SNX4	cg16468910	rs11919274	G	T	0.170	0.024	0.466	7.14E-13	0.004	0.011	0.710	0.014	51.477	TRUE	1.06E-12
Overall COPD	SNX4	cg16468910	rs12493868	T	C	0.598	0.037	0.113	4.18E-58	0.031	0.012	0.009	0.065	258.088	TRUE	1.56E-55
Overall COPD	SNX4	cg16468910	rs147837122	A	G	0.695	0.097	0.014	6.14E-13	0.020	0.030	0.505	0.014	51.774	TRUE	1.04E-12
Overall COPD	SNX4	cg16468910	rs2971283	A	C	-0.206	0.037	0.115	3.36E-08	0.007	0.017	0.696	0.008	30.469	TRUE	4.29E-08
Overall COPD	SNX4	cg16468910	rs2993632	C	T	-0.272	0.029	0.196	2.57E-20	-0.016	0.009	0.070	0.023	85.249	TRUE	1.16E-19
Overall COPD	SNX4	cg16468910	rs4679402	C	G	0.770	0.021	0.416	7.13E-301	0.005	0.007	0.458	0.271	1373.806	TRUE	5.38E-268
Overall COPD	SNX4	cg16468910	rs610850	C	T	0.257	0.038	0.093	2.39E-11	0.002	0.011	0.883	0.012	44.594	TRUE	3.07E-11
Overall COPD	SNX4	cg16468910	rs62270163	A	G	0.825	0.144	0.016	1.08E-08	-0.023	0.034	0.510	0.009	32.677	TRUE	1.53E-08
Overall COPD	SNX4	cg16468910	rs6774437	A	C	-0.135	0.024	0.476	1.34E-08	0.006	0.007	0.353	0.009	32.262	TRUE	2.07E-08
Overall COPD	SNX4	cg16468910	rs6798073	A	G	0.167	0.024	0.417	3.29E-12	0.006	0.007	0.391	0.013	48.484	TRUE	5.83E-12
Overall COPD	SNX4	cg16468910	rs74487985	G	A	-0.467	0.066	0.072	2.08E-12	0.041	0.016	0.010	0.013	49.384	TRUE	7.58E-12
Overall COPD	SNX4	cg16468910	rs9756026	T	C	0.413	0.032	0.147	5.09E-38	-0.020	0.014	0.147	0.043	166.076	TRUE	7.46E-37
Overall COPD	SNX4	cg16468910	rs9848230	T	G	0.421	0.040	0.093	1.68E-25	-0.011	0.010	0.285	0.029	108.868	TRUE	7.04E-25
Overall COPD	SNX4	cg27440834	rs1767090	T	G	0.229	0.039	0.093	2.96E-09	0.003	0.011	0.770	0.009	35.193	TRUE	3.76E-09
Overall COPD	SNX4	cg27440834	rs62270175	G	A	-0.250	0.038	0.096	6.55E-11	-0.005	0.011	0.663	0.011	42.625	TRUE	9.30E-11
Overall COPD	SNX4	cg27440834	rs62270334	T	C	-0.141	0.024	0.382	7.29E-09	0.014	0.008	0.066	0.009	33.437	TRUE	1.57E-08
Overall COPD	SNX4	cg27440834	rs73191158	T	C	0.417	0.069	0.027	1.27E-09	0.004	0.022	0.863	0.010	36.839	TRUE	1.56E-09
Overall COPD	SNX4	cg27440834	rs74506060	T	G	0.624	0.037	0.117	1.82E-63	0.030	0.012	0.011	0.071	282.669	TRUE	1.31E-60
Overall COPD	SNX4	cg27440834	rs9859715	T	C	-0.643	0.045	0.070	2.47E-46	-0.013	0.011	0.262	0.052	204.135	TRUE	6.17E-45
Overall COPD	SNX4	cg27440834	rs9859758	G	C	-0.262	0.046	0.061	1.69E-08	0.009	0.014	0.512	0.009	31.802	TRUE	2.38E-08
Overall COPD	SORT1	cg00683961	rs4970729	G	A	0.162	0.025	0.300	1.70E-10	0.003	0.007	0.658	0.011	40.764	TRUE	2.38E-10
Overall COPD	SORT1	cg02175308	rs11583330	T	G	0.355	0.038	0.105	6.33E-21	-0.017	0.011	0.128	0.023	88.020	TRUE	2.54E-20
Overall COPD	SORT1	cg02175308	rs17024132	T	A	-0.267	0.033	0.151	4.30E-16	-0.013	0.010	0.173	0.018	66.058	TRUE	1.17E-15
Overall COPD	SORT1	cg02175308	rs17034458	T	G	0.215	0.039	0.102	2.46E-08	-0.010	0.011	0.380	0.008	31.075	TRUE	3.71E-08
Overall COPD	SORT1	cg02175308	rs17642754	C	G	0.247	0.037	0.116	1.88E-11	0.006	0.011	0.592	0.012	45.063	TRUE	2.84E-11
Overall COPD	SORT1	cg02175308	rs2269341	T	C	-0.218	0.024	0.400	8.17E-20	0.014	0.007	0.035	0.022	82.965	TRUE	4.17E-19
Overall COPD	SORT1	cg02175308	rs55723005	T	C	-0.295	0.046	0.074	1.06E-10	0.004	0.012	0.730	0.011	41.677	TRUE	1.45E-10
Overall COPD	SORT1	cg02175308	rs56079255	T	C	0.494	0.056	0.046	1.89E-18	-0.015	0.016	0.323	0.020	76.765	TRUE	4.88E-18
Overall COPD	SORT1	cg02175308	rs6680227	A	G	0.474	0.066	0.033	9.17E-13	-0.006	0.018	0.724	0.014	50.987	TRUE	1.34E-12
Overall COPD	SORT1	cg02175308	rs7536292	C	T	-0.283	0.031	0.167	1.19E-19	-0.009	0.009	0.316	0.022	82.221	TRUE	3.32E-19
Overall COPD	SORT1	cg02175308	rs79618722	A	G	0.488	0.068	0.037	7.15E-13	-0.018	0.019	0.339	0.014	51.476	TRUE	1.36E-12
Overall COPD	SORT1	cg02175308	rs892511	G	C	0.480	0.070	0.027	1.02E-11	0.032	0.018	0.070	0.012	46.263	TRUE	2.61E-11
Overall COPD	SORT1	cg13926338	rs11583330	T	G	0.242	0.038	0.105	1.89E-10	-0.017	0.011	0.128	0.011	40.557	TRUE	4.00E-10
Overall COPD	SORT1	cg13926338	rs2269341	T	C	-0.179	0.024	0.400	7.00E-14	0.014	0.007	0.035	0.015	56.039	TRUE	2.34E-13
Overall COPD	SORT1	cg13926338	rs35375862	C	T	-0.269	0.031	0.166	9.35E-18	-0.009	0.009	0.316	0.020	73.605	TRUE	2.35E-17
Overall COPD	SORT1	cg13926338	rs367586	C	A	0.548	0.025	0.296	3.01E-103	0.004	0.007	0.626	0.112	465.277	TRUE	1.42E-98
Overall COPD	SORT1	cg13926338	rs437444	T	C	0.343	0.063	0.036	4.91E-08	0.013	0.018	0.477	0.008	29.734	TRUE	6.93E-08
Overall COPD	SORT1	cg16988986	rs113996383	G	A	0.565	0.103	0.030	3.97E-08	0.014	0.024	0.569	0.008	30.148	TRUE	5.36E-08
Overall COPD	SORT1	cg16988986	rs114382843	C	T	0.639	0.064	0.035	2.24E-23	0.004	0.017	0.823	0.026	99.180	TRUE	4.95E-23
Overall COPD	SORT1	cg16988986	rs11583330	T	G	0.359	0.038	0.105	2.35E-21	-0.017	0.011	0.128	0.024	89.978	TRUE	9.72E-21

Overall COPD	SORT1	cg16988986	rs4970751	A	C	0.846	0.023	0.298	1.65E-302	0.003	0.007	0.703	0.273	1385.924	TRUE	1.93E-270
Overall COPD	SORT1	cg16988986	rs505303	T	C	-0.241	0.025	0.335	9.47E-23	-0.004	0.007	0.618	0.025	96.329	TRUE	2.37E-22
Overall COPD	SORT1	cg16988986	rs55723005	T	C	-0.270	0.046	0.074	3.51E-09	0.004	0.012	0.730	0.009	34.857	TRUE	4.54E-09
Overall COPD	SORT1	cg16988986	rs583104	G	T	0.179	0.028	0.229	1.82E-10	0.003	0.008	0.666	0.011	40.624	TRUE	2.54E-10
Overall COPD	SORT1	cg16988986	rs74920406	T	C	0.373	0.062	0.046	1.66E-09	0.006	0.016	0.720	0.010	36.316	TRUE	2.18E-09
Overall COPD	SORT1	cg16988986	rs7536292	C	T	-0.323	0.031	0.167	4.18E-25	-0.009	0.009	0.316	0.028	107.067	TRUE	1.63E-24
Overall COPD	SORT1	cg16988986	rs79618722	A	G	0.376	0.068	0.037	3.45E-08	-0.018	0.019	0.339	0.008	30.417	TRUE	5.32E-08
Overall COPD	SORT1	cg16988986	rs892511	G	C	0.496	0.070	0.027	1.90E-12	0.032	0.018	0.070	0.013	49.562	TRUE	5.09E-12
Overall COPD	SORT1	cg22346081	rs112014867	T	G	-0.585	0.104	0.011	1.95E-08	-0.067	0.032	0.035	0.008	31.523	TRUE	4.49E-08
Overall COPD	SORT1	cg23032129	rs112172017	A	G	0.497	0.066	0.033	4.24E-14	-0.004	0.018	0.816	0.015	57.025	TRUE	6.19E-14
Overall COPD	SORT1	cg23032129	rs11583330	T	G	0.353	0.038	0.105	1.01E-20	-0.017	0.011	0.128	0.023	87.089	TRUE	4.01E-20
Overall COPD	SORT1	cg23032129	rs116416309	C	T	0.244	0.037	0.115	4.25E-11	0.005	0.011	0.614	0.012	43.471	TRUE	6.24E-11
Overall COPD	SORT1	cg23032129	rs1608916	T	A	-0.220	0.037	0.116	1.94E-09	0.000	0.010	0.978	0.010	36.010	TRUE	2.26E-09
Overall COPD	SORT1	cg23032129	rs17034458	T	G	0.278	0.039	0.102	5.44E-13	-0.010	0.011	0.380	0.014	52.012	TRUE	1.01E-12
Overall COPD	SORT1	cg23032129	rs2073483	T	C	-0.140	0.024	0.395	7.44E-09	0.016	0.007	0.027	0.009	33.397	TRUE	1.82E-08
Overall COPD	SORT1	cg23032129	rs2570972	A	G	-0.262	0.023	0.475	1.63E-29	0.008	0.007	0.273	0.033	127.191	TRUE	9.20E-29
Overall COPD	SORT1	cg23032129	rs41279732	G	T	0.452	0.048	0.059	1.12E-20	0.019	0.012	0.120	0.023	86.893	TRUE	4.50E-20
Overall COPD	SORT1	cg23032129	rs505303	T	C	-0.240	0.024	0.335	1.41E-22	-0.004	0.007	0.618	0.025	95.546	TRUE	3.49E-22
Overall COPD	SORT1	cg23032129	rs55723005	T	C	-0.317	0.046	0.074	3.62E-12	0.004	0.012	0.730	0.013	48.296	TRUE	5.17E-12
Overall COPD	SORT1	cg23032129	rs56079255	T	C	0.503	0.056	0.046	4.97E-19	-0.015	0.016	0.323	0.021	79.396	TRUE	1.33E-18
Overall COPD	SORT1	cg23032129	rs629301	G	T	0.186	0.028	0.228	3.40E-11	0.005	0.008	0.546	0.012	43.909	TRUE	5.21E-11
Overall COPD	SORT1	cg23032129	rs680434	C	T	0.852	0.023	0.301	<1E-200	0.009	0.008	0.245	0.279	1431.700	TRUE	1.09E-277
Overall COPD	SORT1	cg23032129	rs76173244	G	C	0.435	0.067	0.037	8.46E-11	-0.014	0.019	0.452	0.011	42.126	TRUE	1.35E-10
Overall COPD	SORT1	cg23616212	rs10494041	G	C	-0.289	0.031	0.162	2.63E-20	-0.009	0.009	0.316	0.023	85.207	TRUE	7.62E-20
Overall COPD	SORT1	cg23616212	rs10858094	T	C	0.637	0.025	0.298	1.32E-143	0.003	0.007	0.702	0.150	650.694	TRUE	3.56E-135
Overall COPD	SORT1	cg23616212	rs114382843	C	T	0.443	0.064	0.035	5.60E-12	0.004	0.017	0.823	0.013	47.439	TRUE	7.56E-12
Overall COPD	SORT1	cg23616212	rs11583330	T	G	0.325	0.038	0.105	9.83E-18	-0.017	0.011	0.128	0.019	73.507	TRUE	3.21E-17
Overall COPD	SORT1	cg23616212	rs505303	T	C	-0.214	0.025	0.335	2.37E-18	-0.004	0.007	0.618	0.020	76.313	TRUE	4.73E-18
Overall COPD	SORT1	cg23616212	rs55723005	T	C	-0.287	0.046	0.074	2.95E-10	0.004	0.012	0.730	0.011	39.685	TRUE	3.95E-10
Overall COPD	SPTLC2	cg04947514	rs76236966	T	C	0.560	0.091	0.017	9.24E-10	0.003	0.024	0.906	0.010	37.460	TRUE	1.12E-09
Overall COPD	SPTLC2	cg14544289	rs10149478	A	G	-0.339	0.037	0.117	1.04E-19	-0.016	0.011	0.130	0.022	82.479	TRUE	3.85E-19
Overall COPD	SPTLC2	cg14544289	rs11159282	C	T	-0.305	0.024	0.429	7.19E-38	-0.004	0.007	0.586	0.043	165.389	TRUE	5.22E-37
Overall COPD	SPTLC2	cg14544289	rs112328601	T	C	-0.456	0.084	0.020	4.89E-08	-0.016	0.023	0.488	0.008	29.743	TRUE	6.86E-08
Overall COPD	SPTLC2	cg14544289	rs117921602	C	T	-0.591	0.106	0.016	2.57E-08	0.019	0.024	0.428	0.008	30.988	TRUE	3.77E-08
Overall COPD	SPTLC2	cg14544289	rs11846234	A	C	0.178	0.030	0.195	3.39E-09	-0.008	0.008	0.364	0.009	34.927	TRUE	5.36E-09
Overall COPD	SPTLC2	cg14544289	rs17825440	T	C	0.630	0.064	0.032	9.05E-23	-0.012	0.022	0.587	0.025	96.421	TRUE	2.33E-22
Overall COPD	SPTLC2	cg14544289	rs28771140	T	C	0.240	0.024	0.437	2.66E-24	-0.002	0.007	0.744	0.027	103.402	TRUE	6.56E-24
Overall COPD	SPTLC2	cg14544289	rs4903647	C	T	0.177	0.024	0.416	1.47E-13	0.004	0.007	0.544	0.015	54.578	TRUE	2.49E-13
Overall COPD	SPTLC2	cg14544289	rs61992964	A	C	0.206	0.025	0.306	4.56E-16	0.007	0.007	0.344	0.018	65.944	TRUE	1.02E-15
Overall COPD	SPTLC2	cg14544289	rs7148765	C	A	-0.229	0.032	0.173	6.65E-13	-0.001	0.009	0.953	0.014	51.618	TRUE	8.63E-13
Overall COPD	SPTLC2	cg14544289	rs7157146	T	C	-0.182	0.028	0.223	8.87E-11	0.006	0.008	0.469	0.011	42.033	TRUE	1.40E-10
Overall COPD	SPTLC2	cg14544289	rs75852462	A	G	-0.482	0.047	0.078	1.23E-24	-0.002	0.015	0.864	0.028	104.932	TRUE	2.81E-24

Overall COPD	SPTLC2	cg14544289	rs8015231	G	T	0.255	0.034	0.132	4.89E-14	-0.003	0.011	0.796	0.015	56.744	TRUE	7.21E-14
Overall COPD	SPTLC2	cg18872420	rs11159282	C	T	-0.334	0.024	0.429	4.17E-45	-0.004	0.007	0.586	0.051	198.518	TRUE	5.70E-44
Overall COPD	SPTLC2	cg18872420	rs112017861	A	G	-0.705	0.075	0.026	3.52E-21	-0.024	0.018	0.177	0.024	89.176	TRUE	1.31E-20
Overall COPD	SPTLC2	cg18872420	rs112063190	T	C	0.495	0.063	0.036	5.14E-15	-0.049	0.018	0.007	0.016	61.172	TRUE	2.45E-14
Overall COPD	SPTLC2	cg18872420	rs114659620	T	C	-0.333	0.057	0.053	5.06E-09	-0.012	0.017	0.485	0.009	34.146	TRUE	7.39E-09
Overall COPD	SPTLC2	cg18872420	rs117275289	T	C	0.541	0.090	0.019	1.90E-09	-0.026	0.031	0.387	0.010	36.056	TRUE	2.99E-09
Overall COPD	SPTLC2	cg18872420	rs117930450	A	G	-0.663	0.111	0.014	2.28E-09	0.007	0.025	0.763	0.010	35.701	TRUE	2.92E-09
Overall COPD	SPTLC2	cg18872420	rs12887558	T	C	-0.556	0.028	0.220	5.20E-89	0.002	0.009	0.801	0.098	399.900	TRUE	1.51E-85
Overall COPD	SPTLC2	cg18872420	rs137948922	T	C	-0.622	0.096	0.015	7.52E-11	0.015	0.032	0.645	0.011	42.356	TRUE	1.07E-10
Overall COPD	SPTLC2	cg18872420	rs138901059	G	C	0.533	0.057	0.040	1.31E-20	0.013	0.015	0.397	0.023	86.576	TRUE	3.56E-20
Overall COPD	SPTLC2	cg18872420	rs140089337	C	A	0.553	0.092	0.037	1.79E-09	-0.004	0.023	0.871	0.010	36.168	TRUE	2.19E-09
Overall COPD	SPTLC2	cg18872420	rs147204783	C	G	-0.622	0.076	0.020	2.29E-16	-0.006	0.019	0.769	0.018	67.303	TRUE	3.76E-16
Overall COPD	SPTLC2	cg18872420	rs150149401	A	G	0.450	0.057	0.042	4.68E-15	-0.005	0.018	0.784	0.016	61.356	TRUE	7.23E-15
Overall COPD	SPTLC2	cg18872420	rs17752135	A	G	0.374	0.038	0.113	3.15E-23	-0.013	0.011	0.222	0.026	98.509	TRUE	1.24E-22
Overall COPD	SPTLC2	cg18872420	rs182841241	G	A	-0.730	0.092	0.017	2.40E-15	0.006	0.027	0.820	0.017	62.672	TRUE	3.67E-15
Overall COPD	SPTLC2	cg18872420	rs1997561	T	A	0.276	0.024	0.390	3.60E-31	0.005	0.008	0.496	0.035	134.755	TRUE	1.73E-30
Overall COPD	SPTLC2	cg18872420	rs28527479	A	T	-0.801	0.041	0.089	4.28E-85	0.012	0.012	0.315	0.094	381.925	TRUE	1.56E-81
Overall COPD	SPTLC2	cg18872420	rs34174438	A	G	0.516	0.042	0.091	3.02E-35	0.001	0.014	0.926	0.040	153.390	TRUE	1.28E-34
Overall COPD	SPTLC2	cg18872420	rs3896379	G	C	-0.170	0.031	0.187	3.29E-08	0.007	0.008	0.417	0.008	30.513	TRUE	4.83E-08
Overall COPD	SPTLC2	cg18872420	rs393187	T	C	-0.264	0.029	0.209	2.94E-20	0.007	0.009	0.394	0.022	84.981	TRUE	7.84E-20
Overall COPD	SPTLC2	cg18872420	rs4243656	G	A	-0.420	0.024	0.367	5.96E-69	-0.009	0.007	0.231	0.077	307.831	TRUE	2.38E-66
Overall COPD	SPTLC2	cg18872420	rs4899650	A	T	0.406	0.024	0.381	5.19E-65	-0.006	0.007	0.397	0.073	289.759	TRUE	8.60E-63
Overall COPD	SPTLC2	cg18872420	rs4903596	T	C	-0.965	0.018	0.495	<1E-200	0.009	0.007	0.187	0.447	2993.953	TRUE	<1E-200
Overall COPD	SPTLC2	cg18872420	rs538743562	A	T	0.345	0.038	0.099	2.85E-19	-0.005	0.010	0.632	0.021	80.494	TRUE	5.89E-19
Overall COPD	SPTLC2	cg18872420	rs56276583	A	T	-0.815	0.049	0.065	8.72E-63	-0.001	0.014	0.952	0.070	279.552	TRUE	5.02E-61
Overall COPD	SPTLC2	cg18872420	rs60434542	G	C	-0.211	0.028	0.229	2.44E-14	-0.002	0.008	0.757	0.015	58.106	TRUE	3.73E-14
Overall COPD	SPTLC2	cg18872420	rs6574382	C	T	-0.654	0.034	0.132	1.95E-83	0.014	0.011	0.202	0.092	374.307	TRUE	7.44E-80
Overall COPD	SPTLC2	cg18872420	rs7143523	G	C	-0.287	0.045	0.074	2.13E-10	0.028	0.012	0.016	0.011	40.326	TRUE	6.28E-10
Overall COPD	SPTLC2	cg18872420	rs72683251	G	C	0.364	0.026	0.256	7.25E-44	-0.006	0.008	0.439	0.050	192.839	TRUE	1.07E-42
Overall COPD	SPTLC2	cg18872420	rs74928751	T	C	-0.643	0.041	0.091	1.62E-55	-0.003	0.012	0.782	0.062	246.226	TRUE	5.00E-54
Overall COPD	SPTLC2	cg18872420	rs78434795	C	A	0.491	0.066	0.031	7.18E-14	-0.010	0.022	0.657	0.015	55.987	TRUE	1.14E-13
Overall COPD	SPTLC2	cg18872420	rs79586516	G	T	0.337	0.060	0.035	1.46E-08	-0.006	0.017	0.732	0.009	32.086	TRUE	1.85E-08
Overall COPD	SPTLC2	cg18872420	rs80329306	G	C	-0.339	0.031	0.186	1.99E-28	-0.002	0.015	0.907	0.032	122.228	TRUE	5.46E-28
Overall COPD	SPTLC2	cg18872420	rs8177563	T	C	-0.570	0.077	0.028	1.06E-13	-0.022	0.023	0.336	0.015	55.229	TRUE	2.11E-13
Overall COPD	SPTLC2	cg23187727	rs10146834	T	C	-0.233	0.041	0.084	1.29E-08	-0.022	0.012	0.077	0.009	32.331	TRUE	2.67E-08
Overall COPD	SPTLC2	cg23187727	rs112063190	T	C	-0.673	0.063	0.036	4.93E-27	-0.049	0.018	0.007	0.030	115.865	TRUE	6.44E-26
Overall COPD	SPTLC2	cg23187727	rs56812919	A	C	-0.195	0.028	0.212	3.22E-12	-0.006	0.008	0.440	0.013	48.521	TRUE	5.52E-12
Overall COPD	SPTLC2	cg24171453	rs11629330	A	G	0.254	0.024	0.478	6.33E-27	-0.009	0.007	0.195	0.030	115.371	TRUE	3.37E-26
Overall COPD	SPTLC2	cg24171453	rs2142187	T	G	-0.176	0.026	0.281	1.16E-11	-0.001	0.007	0.841	0.012	46.019	TRUE	1.53E-11
Overall COPD	SPTLC2	cg24171453	rs2299917	T	C	0.210	0.030	0.192	3.59E-12	0.001	0.009	0.951	0.013	48.312	TRUE	4.56E-12
Overall COPD	SPTLC2	cg26362766	rs12323555	T	C	0.351	0.044	0.080	1.12E-15	0.012	0.013	0.337	0.017	64.174	TRUE	2.46E-15
Overall COPD	SPTLC2	cg26362766	rs36007603	T	C	0.387	0.065	0.035	2.23E-09	-0.011	0.019	0.575	0.010	35.739	TRUE	3.14E-09

Overall COPD	STAT5A	cg03001305	rs34129849	C	A	0.218	0.025	0.288	9.52E-18	-0.018	0.007	0.018	0.020	73.570	TRUE	4.78E-17
Overall COPD	STAT5A	cg05117208	rs548972072	G	C	-0.159	0.027	0.253	4.28E-09	-0.009	0.012	0.426	0.009	34.472	TRUE	6.49E-09
Overall COPD	STAT5A	cg05117208	rs62076928	A	G	-0.379	0.025	0.289	8.49E-51	-0.018	0.007	0.017	0.057	224.590	TRUE	1.02E-48
Overall COPD	STAT5A	cg06357561	rs34129849	C	A	0.204	0.025	0.288	1.06E-15	-0.018	0.007	0.018	0.017	64.289	TRUE	4.55E-15
Overall COPD	STAT5A	cg14042635	rs73983710	A	G	0.451	0.082	0.020	4.09E-08	0.051	0.025	0.043	0.008	30.092	TRUE	8.91E-08
Overall COPD	STAT5A	cg17478203	rs79843305	T	A	-0.163	0.026	0.290	1.73E-10	-0.020	0.014	0.148	0.011	40.726	TRUE	3.57E-10
Overall COPD	STAT5A	cg20388732	rs11079041	A	T	-0.277	0.025	0.290	1.05E-27	-0.017	0.007	0.021	0.031	118.923	TRUE	1.14E-26
Overall COPD	STAT5B	cg18810026	rs62076928	A	G	-0.311	0.025	0.289	7.84E-35	-0.018	0.007	0.017	0.039	151.494	TRUE	1.69E-33
Overall COPD	STAT5B	cg19465320	rs112220485	C	T	0.231	0.041	0.090	1.97E-08	-0.026	0.013	0.040	0.008	31.512	TRUE	4.43E-08
Overall COPD	STAT5B	cg19465320	rs9908318	T	G	0.246	0.025	0.289	5.05E-22	-0.020	0.008	0.012	0.025	93.018	TRUE	3.84E-21
Overall COPD	STBD1	cg06978288	rs10029710	T	C	0.200	0.031	0.179	7.46E-11	0.006	0.009	0.502	0.011	42.371	TRUE	1.16E-10
Overall COPD	STBD1	cg06978288	rs112525409	T	C	0.433	0.070	0.029	5.48E-10	-0.007	0.022	0.748	0.010	38.477	TRUE	7.21E-10
Overall COPD	STBD1	cg06978288	rs12501628	C	T	0.257	0.025	0.314	4.37E-24	0.011	0.008	0.160	0.027	102.420	TRUE	2.04E-23
Overall COPD	STBD1	cg06978288	rs12548	C	A	-0.289	0.053	0.101	4.97E-08	0.001	0.011	0.904	0.008	29.713	TRUE	5.76E-08
Overall COPD	STBD1	cg06978288	rs1441914	T	C	-0.423	0.024	0.417	2.32E-71	-0.009	0.007	0.202	0.079	318.885	TRUE	1.41E-68
Overall COPD	STBD1	cg06978288	rs344136	C	A	-0.146	0.026	0.316	1.31E-08	0.011	0.011	0.341	0.009	32.301	TRUE	2.05E-08
Overall COPD	STBD1	cg06978288	rs4859684	C	T	0.216	0.025	0.342	2.40E-18	0.006	0.007	0.427	0.020	76.289	TRUE	5.59E-18
Overall COPD	STBD1	cg06978288	rs56717028	G	A	0.393	0.061	0.037	1.18E-10	0.009	0.018	0.610	0.011	41.475	TRUE	1.71E-10
Overall COPD	STBD1	cg06978288	rs72657823	A	G	0.359	0.051	0.051	2.19E-12	0.023	0.015	0.124	0.013	49.279	TRUE	5.22E-12
Overall COPD	STBD1	cg17010112	rs56049812	C	A	-0.439	0.024	0.450	6.13E-78	-0.011	0.007	0.114	0.086	349.074	TRUE	1.37E-74
Overall COPD	STBD1	cg17010112	rs6532385	G	A	0.403	0.038	0.105	1.22E-26	0.026	0.011	0.023	0.030	114.077	TRUE	1.17E-25
Overall COPD	STBD1	cg17010112	rs72657885	C	A	0.214	0.036	0.126	2.24E-09	0.031	0.020	0.125	0.010	35.730	TRUE	4.48E-09
Overall COPD	STBD1	cg18651932	rs111332382	C	T	0.468	0.073	0.026	1.57E-10	0.014	0.019	0.440	0.011	40.916	TRUE	2.50E-10
Overall COPD	STBD1	cg18651932	rs2119731	G	A	0.169	0.024	0.381	4.25E-12	0.002	0.007	0.781	0.013	47.981	TRUE	5.89E-12
Overall COPD	STBD1	cg18651932	rs4859688	C	T	0.161	0.026	0.256	8.37E-10	0.004	0.008	0.668	0.010	37.652	TRUE	1.14E-09
Overall COPD	STBD1	cg18651932	rs61402764	T	C	-0.460	0.023	0.452	1.49E-85	-0.010	0.007	0.117	0.094	384.030	TRUE	1.12E-81
Overall COPD	STBD1	cg18651932	rs72657885	C	A	0.229	0.036	0.126	1.73E-10	0.031	0.020	0.125	0.011	40.729	TRUE	3.68E-10
Overall COPD	STBD1	cg19406117	rs4272041	G	A	-0.134	0.024	0.452	2.33E-08	-0.010	0.007	0.128	0.008	31.184	TRUE	4.37E-08
Overall COPD	STRN3	cg05081614	rs7150642	C	T	0.251	0.023	0.477	1.70E-27	-0.009	0.007	0.168	0.031	117.973	TRUE	9.96E-27
Overall COPD	STRN3	cg05081614	rs72670351	C	A	-0.263	0.036	0.121	1.77E-13	-0.011	0.010	0.257	0.014	54.218	TRUE	3.76E-13
Overall COPD	STRN3	cg11829872	rs179710	G	T	0.176	0.023	0.481	1.16E-14	-0.008	0.007	0.254	0.016	59.574	TRUE	2.63E-14
Overall COPD	STUB1	cg04861096	rs12449156	C	A	0.190	0.034	0.270	1.69E-08	-0.002	0.008	0.803	0.009	31.807	TRUE	2.07E-08
Overall COPD	STUB1	cg04861096	rs3743912	T	C	-0.254	0.037	0.114	7.55E-12	0.000	0.010	0.963	0.013	46.854	TRUE	9.43E-12
Overall COPD	STUB1	cg04861096	rs77494856	C	G	0.299	0.033	0.146	8.39E-20	-0.006	0.010	0.538	0.022	82.910	TRUE	1.92E-19
Overall COPD	STUB1	cg23481246	rs111852492	T	C	-0.206	0.031	0.176	1.67E-11	0.001	0.010	0.961	0.012	45.300	TRUE	2.07E-11
Overall COPD	STUB1	cg23481246	rs11248943	A	G	0.155	0.028	0.231	2.33E-08	-0.025	0.008	0.002	0.008	31.182	TRUE	7.35E-08
Overall COPD	STUB1	cg27190398	rs117940562	T	C	-0.513	0.075	0.025	9.82E-12	0.016	0.020	0.426	0.012	46.339	TRUE	1.66E-11
Overall COPD	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	0.031	0.007	3.94E-05	0.030	114.298	TRUE	3.33E-25
Overall COPD	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	-0.010	0.016	0.543	0.009	33.267	TRUE	1.12E-08
Overall COPD	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	-0.015	0.007	0.039	0.013	49.346	TRUE	6.28E-12
Overall COPD	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	0.030	0.007	4.65E-05	0.055	215.024	TRUE	4.15E-46
Overall COPD	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	-0.029	0.008	1.19E-04	0.016	61.158	TRUE	4.18E-14

Overall COPD	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	0.033	0.008	1.39E-05	0.017	63.196	TRUE	1.95E-14
Overall COPD	TBC1D14	cg00086871	rs1048009	A	G	1.054	0.042	0.077	3.55E-141	-0.013	0.013	0.300	0.147	639.534	TRUE	1.36E-132
Overall COPD	TBC1D14	cg00086871	rs10937763	C	G	0.189	0.024	0.382	1.63E-15	-0.011	0.007	0.121	0.017	63.436	TRUE	4.70E-15
Overall COPD	TBC1D14	cg00086871	rs147761500	C	T	1.051	0.093	0.015	2.35E-29	-0.016	0.029	0.592	0.033	126.463	TRUE	9.03E-29
Overall COPD	TBC1D14	cg00086871	rs60841350	G	T	0.232	0.032	0.156	5.21E-13	0.005	0.009	0.628	0.014	52.095	TRUE	8.16E-13
Overall COPD	TBC1D14	cg00813886	rs10937762	G	A	-0.133	0.023	0.464	1.11E-08	0.012	0.007	0.072	0.009	32.627	TRUE	2.33E-08
Overall COPD	TBC1D14	cg02905178	rs11732898	T	C	-0.267	0.030	0.182	1.50E-19	-0.006	0.008	0.470	0.022	81.760	TRUE	3.59E-19
Overall COPD	TBC1D14	cg02905178	rs192056752	A	C	0.636	0.096	0.016	3.08E-11	-0.022	0.028	0.436	0.012	44.103	TRUE	5.07E-11
Overall COPD	TBC1D14	cg02905178	rs3857183	A	G	0.212	0.039	0.221	4.42E-08	-0.007	0.009	0.426	0.008	29.938	TRUE	6.43E-08
Overall COPD	TBC1D14	cg02905178	rs6446567	C	T	0.206	0.036	0.127	6.92E-09	0.010	0.010	0.344	0.009	33.539	TRUE	1.10E-08
Overall COPD	TBC1D14	cg02905178	rs6825281	A	G	0.712	0.025	0.271	7.43E-181	-0.008	0.008	0.282	0.182	821.914	TRUE	1.70E-167
Overall COPD	TBC1D14	cg02905178	rs77171081	A	G	0.580	0.080	0.042	4.68E-13	0.004	0.019	0.826	0.014	52.308	TRUE	6.54E-13
Overall COPD	TBC1D14	cg03689181	rs17798884	C	T	-0.656	0.084	0.039	7.40E-15	-0.009	0.018	0.614	0.016	60.456	TRUE	1.26E-14
Overall COPD	TBC1D14	cg03689181	rs4082843	A	G	-0.293	0.031	0.172	8.87E-21	0.001	0.009	0.910	0.023	87.351	TRUE	1.61E-20
Overall COPD	TBC1D14	cg03689181	rs4323102	T	C	0.217	0.024	0.411	6.45E-20	-0.008	0.007	0.245	0.022	83.431	TRUE	1.99E-19
Overall COPD	TBC1D14	cg03689181	rs56140231	C	G	-0.225	0.041	0.083	5.00E-08	-0.001	0.013	0.917	0.008	29.701	TRUE	5.76E-08
Overall COPD	TBC1D14	cg03689181	rs56268690	T	C	-1.374	0.046	0.059	5.02E-198	-0.011	0.015	0.456	0.196	900.851	TRUE	1.46E-182
Overall COPD	TBC1D14	cg04254028	rs11731681	A	G	0.137	0.023	0.450	5.19E-09	-0.011	0.007	0.127	0.009	34.097	TRUE	1.01E-08
Overall COPD	TBC1D14	cg04567323	rs4261987	T	C	0.165	0.026	0.297	1.50E-10	-0.010	0.007	0.155	0.011	41.009	TRUE	3.07E-10
Overall COPD	TBC1D14	cg04567323	rs6818744	T	C	0.237	0.033	0.142	8.62E-13	0.004	0.010	0.678	0.014	51.109	TRUE	1.30E-12
Overall COPD	TBC1D14	cg04947850	rs192114648	A	T	-1.143	0.078	0.019	1.27E-48	-0.004	0.034	0.908	0.055	214.620	TRUE	1.69E-47
Overall COPD	TBC1D14	cg04947850	rs56099074	G	A	-0.169	0.030	0.166	1.70E-08	0.004	0.009	0.651	0.009	31.796	TRUE	2.23E-08
Overall COPD	TBC1D14	cg05498905	rs28404792	C	T	0.188	0.030	0.181	2.95E-10	0.006	0.012	0.610	0.011	39.687	TRUE	4.20E-10
Overall COPD	TBC1D14	cg05498905	rs4689057	C	T	-0.159	0.026	0.294	6.93E-10	-0.007	0.007	0.343	0.010	38.021	TRUE	1.15E-09
Overall COPD	TBC1D14	cg06109284	rs146660921	G	A	0.322	0.048	0.058	2.89E-11	-0.013	0.014	0.372	0.012	44.227	TRUE	4.98E-11
Overall COPD	TBC1D14	cg08464702	rs1048009	A	G	0.422	0.043	0.077	5.53E-23	-0.013	0.013	0.300	0.026	97.397	TRUE	1.92E-22
Overall COPD	TBC1D14	cg09907542	rs4689591	T	G	0.272	0.030	0.175	1.58E-19	0.009	0.009	0.308	0.022	81.667	TRUE	4.41E-19
Overall COPD	TBC1D14	cg09907542	rs73796438	C	T	0.336	0.040	0.096	2.47E-17	-0.014	0.012	0.261	0.019	71.686	TRUE	6.45E-17
Overall COPD	TBC1D14	cg09907542	rs7693619	T	G	-0.139	0.024	0.472	5.25E-09	-0.008	0.007	0.287	0.009	34.076	TRUE	8.71E-09
Overall COPD	TBC1D14	cg09907542	rs79343136	T	C	0.187	0.025	0.308	2.26E-13	-0.015	0.010	0.110	0.014	53.737	TRUE	5.85E-13
Overall COPD	TBC1D14	cg10586619	rs10000433	A	G	0.377	0.048	0.060	7.19E-15	-0.013	0.016	0.417	0.016	60.514	TRUE	1.42E-14
Overall COPD	TBC1D14	cg10586619	rs10937769	G	T	-0.174	0.024	0.395	4.39E-13	-0.009	0.007	0.177	0.014	52.433	TRUE	1.00E-12
Overall COPD	TBC1D14	cg12864912	rs10027697	A	G	-0.195	0.024	0.452	3.73E-16	-0.004	0.007	0.510	0.018	66.336	TRUE	7.27E-16
Overall COPD	TBC1D14	cg12864912	rs4234788	C	T	0.315	0.038	0.102	1.04E-16	0.002	0.011	0.843	0.018	68.862	TRUE	1.65E-16
Overall COPD	TBC1D14	cg12864912	rs4689557	T	C	-0.269	0.034	0.487	4.24E-15	0.006	0.007	0.404	0.016	61.554	TRUE	8.52E-15
Overall COPD	TBC1D14	cg12864912	rs58186852	C	T	0.188	0.031	0.168	1.41E-09	0.007	0.009	0.466	0.010	36.642	TRUE	2.12E-09
Overall COPD	TBC1D14	cg12864912	rs73796438	C	T	0.231	0.040	0.096	6.26E-09	-0.014	0.012	0.261	0.009	33.734	TRUE	1.06E-08
Overall COPD	TBC1D14	cg12864912	rs74591990	A	G	-0.352	0.060	0.049	5.33E-09	0.003	0.020	0.892	0.009	34.048	TRUE	6.36E-09
Overall COPD	TBC1D14	cg12864912	rs7673889	A	T	0.663	0.065	0.037	1.80E-24	-0.003	0.020	0.895	0.027	104.173	TRUE	3.98E-24
Overall COPD	TBC1D14	cg14107488	rs4689591	T	G	0.184	0.030	0.175	9.64E-10	0.009	0.009	0.308	0.010	37.375	TRUE	1.63E-09
Overall COPD	TBC1D14	cg14107488	rs6839250	C	T	0.483	0.032	0.156	1.34E-52	0.005	0.009	0.556	0.059	232.846	TRUE	4.03E-51
Overall COPD	TBC1D14	cg14107488	rs74786128	A	C	0.258	0.041	0.089	2.23E-10	-0.015	0.012	0.227	0.011	40.235	TRUE	4.16E-10

Overall COPD	TBC1D14	cg14594044	rs10937777	T	C	0.161	0.026	0.288	3.09E-10	-0.010	0.007	0.194	0.011	39.597	TRUE	5.93E-10
Overall COPD	TBC1D14	cg14594044	rs6826453	G	A	0.317	0.035	0.286	2.29E-19	-0.018	0.008	0.034	0.021	80.927	TRUE	1.14E-18
Overall COPD	TBC1D14	cg15105060	rs13134529	G	T	0.158	0.025	0.320	2.08E-10	-0.002	0.008	0.827	0.011	40.368	TRUE	2.67E-10
Overall COPD	TBC1D14	cg15105060	rs4082843	A	G	-0.312	0.031	0.172	2.21E-23	0.001	0.009	0.910	0.026	99.213	TRUE	4.55E-23
Overall COPD	TBC1D14	cg15105060	rs4234787	T	G	-0.190	0.024	0.369	2.02E-15	-0.011	0.007	0.121	0.017	63.007	TRUE	5.81E-15
Overall COPD	TBC1D14	cg15105060	rs67602077	G	A	-1.124	0.046	0.064	1.58E-133	-0.013	0.014	0.318	0.140	604.384	TRUE	9.06E-126
Overall COPD	TBC1D14	cg15212038	rs1048009	A	G	-0.276	0.043	0.077	2.19E-10	-0.013	0.013	0.300	0.011	40.265	TRUE	3.84E-10
Overall COPD	TBC1D14	cg15889003	rs35680216	T	G	0.219	0.037	0.103	2.76E-09	-0.005	0.011	0.654	0.009	35.325	TRUE	3.72E-09
Overall COPD	TBC1D14	cg16574807	rs10937783	T	A	-0.228	0.036	0.256	3.38E-10	-0.011	0.008	0.189	0.011	39.420	TRUE	6.51E-10
Overall COPD	TBC1D14	cg16574807	rs115392264	G	A	0.616	0.093	0.017	3.41E-11	-0.005	0.027	0.846	0.012	43.902	TRUE	4.44E-11
Overall COPD	TBC1D14	cg16574807	rs11732898	T	C	0.867	0.028	0.182	5.82E-213	-0.006	0.008	0.470	0.208	969.523	TRUE	2.41E-195
Overall COPD	TBC1D14	cg16574807	rs192114648	A	T	0.742	0.080	0.019	1.64E-20	-0.004	0.034	0.908	0.023	86.131	TRUE	2.95E-20
Overall COPD	TBC1D14	cg16574807	rs201183600	T	C	-0.255	0.025	0.308	9.02E-24	-0.015	0.010	0.110	0.027	100.983	TRUE	4.61E-23
Overall COPD	TBC1D14	cg16574807	rs4082846	T	G	0.241	0.027	0.235	1.24E-18	0.003	0.008	0.717	0.021	77.592	TRUE	2.33E-18
Overall COPD	TBC1D14	cg16851482	rs111560662	T	C	-0.294	0.043	0.075	5.06E-12	-0.011	0.013	0.366	0.013	47.640	TRUE	9.07E-12
Overall COPD	TBC1D14	cg16851482	rs3892976	G	A	-0.369	0.023	0.495	5.10E-58	-0.010	0.007	0.123	0.065	257.689	TRUE	6.86E-56
Overall COPD	TBC1D14	cg16851482	rs4689557	T	C	0.206	0.034	0.487	2.13E-09	0.006	0.007	0.404	0.010	35.836	TRUE	3.30E-09
Overall COPD	TBC1D14	cg16851482	rs7658251	C	T	-0.180	0.033	0.150	3.28E-08	0.006	0.011	0.577	0.008	30.517	TRUE	4.43E-08
Overall COPD	TBC1D14	cg17511541	rs4082843	A	G	-0.208	0.031	0.172	3.86E-11	0.001	0.009	0.910	0.012	43.660	TRUE	4.85E-11
Overall COPD	TBC1D14	cg17511541	rs4689562	A	G	0.163	0.024	0.370	2.05E-11	-0.008	0.007	0.286	0.012	44.896	TRUE	3.82E-11
Overall COPD	TBC1D14	cg17511541	rs73088564	C	G	-0.798	0.043	0.075	9.99E-78	-0.013	0.013	0.305	0.086	348.102	TRUE	1.18E-74
Overall COPD	TBC1D14	cg19734190	rs55822670	T	C	0.185	0.031	0.165	1.46E-09	-0.004	0.009	0.623	0.010	36.572	TRUE	2.01E-09
Overall COPD	TBC1D14	cg19906672	rs11546450	A	G	0.353	0.043	0.076	3.89E-16	-0.014	0.013	0.274	0.018	66.254	TRUE	9.35E-16
Overall COPD	TBC1D14	cg19906672	rs149630516	G	C	1.820	0.090	0.017	3.69E-91	-0.004	0.027	0.897	0.100	409.767	TRUE	1.32E-87
Overall COPD	TBC1D14	cg19906672	rs4234788	C	T	0.286	0.038	0.102	5.02E-14	0.002	0.011	0.843	0.015	56.690	TRUE	7.20E-14
Overall COPD	TBC1D14	cg19906672	rs7657702	T	C	0.320	0.023	0.496	6.67E-44	-0.013	0.007	0.071	0.050	193.003	TRUE	2.29E-42
Overall COPD	TBC1D14	cg20723412	rs11732887	C	T	0.153	0.025	0.318	1.73E-09	-0.007	0.007	0.317	0.010	36.234	TRUE	2.87E-09
Overall COPD	TBC1D14	cg20723412	rs34221933	A	G	-0.229	0.037	0.106	5.68E-10	0.002	0.014	0.903	0.010	38.406	TRUE	6.94E-10
Overall COPD	TBC1D14	cg23927469	rs56659624	C	G	-0.307	0.039	0.092	5.59E-15	0.002	0.011	0.850	0.016	61.007	TRUE	8.28E-15
Overall COPD	TBC1D14	cg25974475	rs1048009	A	G	0.340	0.044	0.077	5.43E-15	-0.013	0.013	0.300	0.016	61.064	TRUE	1.20E-14
Overall COPD	TBC1D14	cg26109897	rs10026517	C	T	0.199	0.030	0.178	3.07E-11	0.007	0.009	0.466	0.012	44.110	TRUE	4.95E-11
Overall COPD	TBC1D14	cg26109897	rs10937783	T	A	-0.221	0.035	0.256	4.62E-10	-0.011	0.008	0.189	0.010	38.809	TRUE	8.85E-10
Overall COPD	TBC1D14	cg26109897	rs4234788	C	T	0.298	0.037	0.102	1.45E-15	0.002	0.011	0.843	0.017	63.670	TRUE	2.20E-15
Overall COPD	TBC1D14	cg26109897	rs76967305	T	C	0.288	0.042	0.074	6.93E-12	-0.007	0.017	0.682	0.013	47.021	TRUE	1.01E-11
Overall COPD	TBC1D14	cg26330987	rs4234793	A	G	0.188	0.031	0.161	1.57E-09	0.000	0.010	0.971	0.010	36.425	TRUE	1.83E-09
Overall COPD	TBC1D14	cg26562462	rs10937766	G	A	0.230	0.024	0.411	3.32E-22	-0.008	0.007	0.245	0.025	93.851	TRUE	1.18E-21
Overall COPD	TBC1D14	cg26562462	rs4428285	G	A	0.176	0.030	0.181	2.85E-09	-0.004	0.009	0.674	0.009	35.265	TRUE	3.80E-09
Overall COPD	TBXAS1	cg00445997	rs1860509	G	T	-0.270	0.030	0.184	1.01E-19	0.007	0.009	0.422	0.022	82.541	TRUE	2.55E-19
Overall COPD	TBXAS1	cg26407309	rs2058265	T	G	-0.274	0.030	0.184	4.20E-20	0.008	0.008	0.335	0.022	84.277	TRUE	1.18E-19
Overall COPD	TGFB2	cg01558923	rs11581605	G	A	0.295	0.028	0.237	8.41E-27	0.022	0.008	0.006	0.030	114.805	TRUE	1.11E-25
Overall COPD	TGFB2	cg17934824	rs17047703	A	C	0.229	0.028	0.235	1.44E-16	0.021	0.008	0.007	0.018	68.218	TRUE	7.80E-16
Overall COPD	TGFB2	cg18876728	rs114748693	A	G	-0.527	0.091	0.015	6.25E-09	-0.024	0.026	0.364	0.009	33.737	TRUE	9.78E-09

Overall COPD	TGFB2	cg18876728	rs12118865	T	A	-0.204	0.035	0.127	5.62E-09	-0.002	0.010	0.856	0.009	33.944	TRUE	6.82E-09
Overall COPD	TGFB2	cg18876728	rs75004792	G	A	-1.286	0.149	0.014	7.19E-18	0.002	0.027	0.951	0.020	74.124	TRUE	1.12E-17
Overall COPD	TGFB2	cg20991819	rs1473527	A	G	-0.155	0.026	0.286	2.87E-09	-0.017	0.007	0.023	0.009	35.254	TRUE	7.38E-09
Overall COPD	TGFB2	cg27508144	rs1418555	A	G	0.284	0.028	0.237	6.73E-25	0.021	0.008	0.006	0.028	106.124	TRUE	7.41E-24
Overall COPD	TMBIM6	cg20471783	rs11169106	C	T	0.950	0.037	0.100	7.36E-145	-0.023	0.011	0.034	0.151	656.463	TRUE	3.49E-135
Overall COPD	TMBIM6	cg20471783	rs12312614	T	G	0.819	0.124	0.011	3.75E-11	0.003	0.035	0.923	0.012	43.715	TRUE	4.69E-11
Overall COPD	TMBIM6	cg20471783	rs147224174	C	T	0.876	0.100	0.013	1.42E-18	-0.070	0.029	0.015	0.020	77.326	TRUE	7.80E-18
Overall COPD	TMBIM6	cg20471783	rs151154524	A	G	0.602	0.061	0.036	4.36E-23	-0.033	0.017	0.057	0.026	97.864	TRUE	2.54E-22
Overall COPD	TMBIM6	cg20471783	rs2270741	T	G	0.538	0.089	0.023	1.38E-09	0.014	0.023	0.543	0.010	36.680	TRUE	1.99E-09
Overall COPD	TMBIM6	cg20471783	rs55776396	C	A	0.421	0.074	0.030	1.08E-08	-0.019	0.017	0.257	0.009	32.677	TRUE	1.81E-08
Overall COPD	TMBIM6	cg20471783	rs76907016	A	C	0.177	0.027	0.244	1.12E-10	-0.015	0.009	0.093	0.011	41.577	TRUE	2.55E-10
Overall COPD	TMBIM6	cg20471783	rs7978705	C	T	-0.155	0.024	0.487	6.43E-11	0.016	0.011	0.132	0.011	42.661	TRUE	1.39E-10
Overall COPD	TMEM106B	cg09613507	rs10243807	C	T	0.233	0.028	0.219	5.97E-17	0.002	0.008	0.837	0.019	69.949	TRUE	9.63E-17
Overall COPD	TMEM106B	cg09613507	rs10258717	G	A	-0.198	0.024	0.452	6.41E-17	0.014	0.007	0.036	0.019	69.808	TRUE	2.64E-16
Overall COPD	TMEM106B	cg09613507	rs13237543	C	T	-0.260	0.041	0.093	1.55E-10	0.016	0.012	0.185	0.011	40.940	TRUE	3.06E-10
Overall COPD	TMEM106B	cg09613507	rs1435532	C	T	0.245	0.027	0.247	5.82E-20	-0.013	0.008	0.088	0.022	83.634	TRUE	2.42E-19
Overall COPD	TMEM106B	cg09613507	rs144802091	G	T	-0.301	0.046	0.071	7.82E-11	-0.010	0.014	0.477	0.011	42.279	TRUE	1.23E-10
Overall COPD	TMEM106B	cg09613507	rs2160268	T	A	-0.389	0.067	0.033	5.42E-09	-0.002	0.020	0.926	0.009	34.015	TRUE	6.37E-09
Overall COPD	TMEM106B	cg09613507	rs34333793	C	T	-0.288	0.032	0.163	1.68E-19	0.008	0.009	0.382	0.022	81.540	TRUE	4.34E-19
Overall COPD	TMEM106B	cg09613507	rs5011437	T	A	-0.542	0.023	0.412	1.78E-123	0.017	0.008	0.027	0.131	558.202	TRUE	5.39E-116
Overall COPD	TMEM106B	cg09613507	rs62433210	G	A	-0.253	0.035	0.124	1.06E-12	0.001	0.010	0.934	0.014	50.710	TRUE	1.38E-12
Overall COPD	TMEM106B	cg09613507	rs6963473	G	A	0.158	0.024	0.355	6.64E-11	-0.003	0.007	0.632	0.011	42.599	TRUE	9.58E-11
Overall COPD	TMEM106B	cg09613507	rs77409687	C	G	-0.282	0.042	0.088	1.03E-11	0.042	0.012	7.69E-04	0.012	46.253	TRUE	4.90E-11
Overall COPD	TMEM106B	cg09613507	rs78272937	A	G	0.239	0.036	0.123	2.38E-11	0.011	0.011	0.299	0.012	44.606	TRUE	4.37E-11
Overall COPD	TMEM106B	cg09613507	rs847912	G	T	0.160	0.028	0.212	1.56E-08	0.000	0.008	0.962	0.009	31.956	TRUE	1.79E-08
Overall COPD	TMEM161A	cg12078229	rs28672836	T	C	-0.295	0.033	0.159	2.53E-19	0.018	0.010	0.066	0.021	80.731	TRUE	1.08E-18
Overall COPD	TMEM161A	cg12078229	rs4808928	A	G	0.302	0.045	0.072	2.05E-11	-0.030	0.016	0.062	0.012	44.901	TRUE	5.25E-11
Overall COPD	TMEM161A	cg12078229	rs6511019	A	G	-0.318	0.037	0.108	9.56E-18	0.015	0.011	0.163	0.019	73.561	TRUE	2.93E-17
Overall COPD	TMEM161A	cg12078229	rs73537455	T	C	-0.279	0.042	0.092	2.25E-11	0.006	0.013	0.637	0.012	44.716	TRUE	3.29E-11
Overall COPD	TMEM161A	cg19262631	rs10414676	T	C	-0.147	0.026	0.298	9.40E-09	0.023	0.008	0.004	0.009	32.945	TRUE	2.85E-08
Overall COPD	TNF	cg02137984	rs1475865	T	C	-0.158	0.026	0.276	1.75E-09	-0.020	0.008	0.013	0.010	36.214	TRUE	4.93E-09
Overall COPD	TNF	cg02137984	rs2844512	C	G	-0.133	0.024	0.392	3.73E-08	-0.004	0.007	0.605	0.008	30.269	TRUE	4.95E-08
Overall COPD	TNF	cg10717214	rs3130283	A	C	-0.199	0.032	0.161	4.28E-10	-0.031	0.010	0.002	0.010	38.959	TRUE	1.62E-09
Overall COPD	TNF	cg11484872	rs1041981	A	C	0.139	0.024	0.360	1.48E-08	0.015	0.007	0.046	0.009	32.066	TRUE	3.29E-08
Overall COPD	TNF	cg21222743	rs2857600	T	C	-0.221	0.033	0.144	1.74E-11	-0.027	0.010	0.006	0.012	45.219	TRUE	6.38E-11
Overall COPD	TNF	cg21222743	rs9405084	T	C	0.148	0.026	0.323	6.52E-09	0.009	0.008	0.247	0.009	33.653	TRUE	1.11E-08
Overall COPD	TNF	cg27531490	rs1055890	G	A	-0.184	0.025	0.356	9.19E-14	-0.011	0.008	0.169	0.015	55.503	TRUE	2.21E-13
Overall COPD	TNF	cg27531490	rs113428559	C	G	-0.897	0.080	0.021	2.05E-29	-0.050	0.020	0.010	0.033	126.738	TRUE	3.08E-28
Overall COPD	TNF	cg27531490	rs114733011	A	G	0.667	0.073	0.023	8.64E-20	0.038	0.023	0.096	0.022	82.853	TRUE	3.47E-19
Overall COPD	TNF	cg27531490	rs116329723	G	T	0.729	0.104	0.015	2.61E-12	-0.061	0.031	0.050	0.013	48.933	TRUE	7.39E-12
Overall COPD	TNF	cg27531490	rs1265075	A	C	0.299	0.047	0.074	1.62E-10	0.006	0.012	0.650	0.011	40.851	TRUE	2.29E-10
Overall COPD	TNF	cg27531490	rs138039007	C	T	0.660	0.086	0.022	2.42E-14	-0.015	0.021	0.474	0.015	58.123	TRUE	4.45E-14

Overall COPD	TNF	cg27531490	rs17190638	C	T	-0.732	0.061	0.039	3.29E-33	0.000	0.017	0.988	0.037	144.076	TRUE	1.14E-32
Overall COPD	TNF	cg27531490	rs184227609	C	A	-0.763	0.072	0.027	2.79E-26	-0.024	0.025	0.333	0.029	112.432	TRUE	1.15E-25
Overall COPD	TNF	cg27531490	rs2240063	T	C	-0.171	0.024	0.448	4.30E-13	-0.014	0.007	0.048	0.014	52.473	TRUE	1.29E-12
Overall COPD	TNF	cg27531490	rs2844470	T	A	-0.691	0.048	0.071	8.19E-48	-0.016	0.017	0.350	0.054	210.916	TRUE	2.03E-46
Overall COPD	TNF	cg27531490	rs3128984	G	A	0.425	0.051	0.062	5.78E-17	0.009	0.013	0.497	0.019	70.012	TRUE	1.18E-16
Overall COPD	TNF	cg27531490	rs41543814	T	C	0.143	0.024	0.417	2.12E-09	0.010	0.008	0.242	0.010	35.836	TRUE	3.73E-09
Overall COPD	TNF	cg27531490	rs41560718	C	A	0.710	0.072	0.026	9.67E-23	-0.044	0.038	0.250	0.025	96.289	TRUE	3.54E-22
Overall COPD	TNF	cg27531490	rs55777621	A	G	0.412	0.062	0.038	2.81E-11	0.033	0.020	0.093	0.012	44.282	TRUE	6.63E-11
Overall COPD	TNF	cg27531490	rs6927870	G	A	-0.245	0.027	0.240	1.80E-19	0.000	0.012	0.990	0.022	81.400	TRUE	2.92E-19
Overall COPD	TNF	cg27531490	rs75622849	T	C	-0.484	0.082	0.023	4.54E-09	-0.008	0.031	0.807	0.009	34.358	TRUE	5.65E-09
Overall COPD	TNF	cg27531490	rs7776032	C	T	-0.145	0.026	0.305	2.27E-08	-0.039	0.009	7.27E-06	0.008	31.233	TRUE	1.14E-07
Overall COPD	TNF	cg27531490	rs9405084	T	C	0.255	0.025	0.323	1.06E-23	0.009	0.008	0.247	0.026	100.672	TRUE	4.13E-23
Overall COPD	TNFRSF10C	cg08783300	rs10109912	C	G	-0.146	0.026	0.366	2.36E-08	-0.013	0.007	0.065	0.008	31.154	TRUE	4.94E-08
Overall COPD	TNFRSF10C	cg15302296	rs9657266	C	T	0.242	0.040	0.121	8.82E-10	-0.002	0.011	0.823	0.010	37.550	TRUE	1.11E-09
Overall COPD	TNFRSF10C	cg23221723	rs6557616	G	C	0.191	0.031	0.201	1.17E-09	0.024	0.009	0.005	0.010	36.991	TRUE	3.74E-09
Overall COPD	TOP3A	cg02753233	rs34417974	T	C	0.138	0.024	0.457	5.39E-09	0.002	0.007	0.761	0.009	34.026	TRUE	6.83E-09
Overall COPD	TOP3A	cg23045404	rs2605142	T	C	0.144	0.026	0.288	2.03E-08	0.025	0.007	5.75E-04	0.008	31.446	TRUE	7.27E-08
Overall COPD	TOP3A	cg25558099	rs2605143	T	C	0.282	0.025	0.333	3.86E-30	-0.008	0.007	0.281	0.034	130.046	TRUE	2.26E-29
Overall COPD	TP73	cg00505606	rs3765754	C	T	-0.202	0.024	0.339	2.45E-17	0.003	0.007	0.681	0.019	71.706	TRUE	4.45E-17
Overall COPD	TP73	cg00589002	rs1122723	G	A	-0.198	0.024	0.426	1.44E-16	0.007	0.007	0.307	0.018	68.214	TRUE	3.42E-16
Overall COPD	TP73	cg00589002	rs144666894	A	T	-0.403	0.067	0.029	1.57E-09	-0.006	0.018	0.723	0.010	36.424	TRUE	2.06E-09
Overall COPD	TP73	cg00589002	rs3819963	T	C	0.288	0.030	0.178	2.90E-21	0.019	0.010	0.046	0.024	89.563	TRUE	1.55E-20
Overall COPD	TP73	cg02134594	rs3765754	C	T	-0.289	0.024	0.339	5.81E-34	0.003	0.007	0.681	0.038	147.516	TRUE	2.83E-33
Overall COPD	TP73	cg03103850	rs3765754	C	T	-0.181	0.024	0.339	3.50E-14	0.003	0.007	0.681	0.015	57.399	TRUE	5.56E-14
Overall COPD	TP73	cg04137576	rs1885863	C	T	-0.318	0.029	0.207	2.20E-28	0.003	0.013	0.798	0.032	122.031	TRUE	6.59E-28
Overall COPD	TP73	cg04137576	rs2760321	T	C	0.272	0.031	0.175	1.53E-18	-0.011	0.010	0.236	0.020	77.182	TRUE	4.40E-18
Overall COPD	TP73	cg04137576	rs3818330	T	G	-0.242	0.028	0.213	1.25E-17	0.011	0.008	0.211	0.019	73.031	TRUE	3.53E-17
Overall COPD	TP73	cg04159546	rs2146657	A	G	-0.235	0.029	0.203	6.09E-16	-0.004	0.009	0.674	0.017	65.371	TRUE	1.05E-15
Overall COPD	TP73	cg04159546	rs375432272	A	C	-0.744	0.113	0.022	3.85E-11	0.019	0.023	0.417	0.012	43.664	TRUE	6.40E-11
Overall COPD	TP73	cg04159546	rs3765703	G	T	-0.355	0.024	0.426	1.00E-50	0.008	0.007	0.256	0.057	224.265	TRUE	4.00E-49
Overall COPD	TP73	cg04159546	rs3765751	A	G	-0.351	0.025	0.289	2.35E-43	0.003	0.008	0.667	0.049	190.498	TRUE	2.49E-42
Overall COPD	TP73	cg04159546	rs6702451	T	A	-0.181	0.030	0.194	1.60E-09	-0.001	0.009	0.914	0.010	36.385	TRUE	1.92E-09
Overall COPD	TP73	cg04159546	rs7526126	G	C	-0.180	0.031	0.177	5.70E-09	-0.014	0.010	0.164	0.009	33.916	TRUE	1.06E-08
Overall COPD	TP73	cg04392488	rs12117836	A	G	-0.380	0.025	0.346	2.77E-53	0.003	0.007	0.617	0.060	235.985	TRUE	8.26E-52
Overall COPD	TP73	cg04392488	rs3753205	C	G	-0.249	0.043	0.213	7.31E-09	0.007	0.009	0.410	0.009	33.433	TRUE	1.11E-08
Overall COPD	TP73	cg04392488	rs3765754	C	T	-0.198	0.024	0.339	1.40E-16	0.003	0.007	0.681	0.018	68.263	TRUE	2.47E-16
Overall COPD	TP73	cg04562683	rs12095248	G	A	0.457	0.040	0.093	7.31E-30	0.002	0.012	0.892	0.034	128.783	TRUE	2.22E-29
Overall COPD	TP73	cg04562683	rs12737840	T	C	-0.815	0.027	0.387	3.71E-200	-0.004	0.007	0.575	0.198	910.649	TRUE	1.57E-184
Overall COPD	TP73	cg04562683	rs2224718	T	C	0.138	0.024	0.420	1.08E-08	-0.001	0.007	0.895	0.009	32.675	TRUE	1.28E-08
Overall COPD	TP73	cg04562683	rs3765702	T	C	0.154	0.024	0.388	2.26E-10	-0.001	0.008	0.940	0.011	40.210	TRUE	2.73E-10
Overall COPD	TP73	cg04562683	rs72470159	C	G	0.669	0.095	0.034	1.72E-12	-0.017	0.023	0.460	0.013	49.755	TRUE	2.94E-12
Overall COPD	TP73	cg04600984	rs36031771	G	A	-0.138	0.024	0.404	1.18E-08	-0.013	0.008	0.073	0.009	32.509	TRUE	2.46E-08

Overall COPD	TP73	cg04600984	rs4648534	T	C	-0.188	0.027	0.270	3.50E-12	-0.013	0.008	0.116	0.013	48.361	TRUE	8.35E-12
Overall COPD	TP73	cg04600984	rs75368081	G	A	-0.253	0.044	0.072	7.23E-09	-0.032	0.015	0.036	0.009	33.453	TRUE	1.71E-08
Overall COPD	TP73	cg05116756	rs3765754	C	T	-0.136	0.024	0.339	7.59E-09	0.003	0.007	0.681	0.009	33.359	TRUE	9.94E-09
Overall COPD	TP73	cg05782471	rs1181880	T	C	-0.212	0.038	0.099	3.26E-08	0.005	0.011	0.662	0.008	30.527	TRUE	4.23E-08
Overall COPD	TP73	cg05782471	rs2146659	G	A	-0.276	0.024	0.365	5.28E-30	-0.008	0.007	0.288	0.034	129.427	TRUE	3.02E-29
Overall COPD	TP73	cg05924583	rs12408890	C	T	-0.167	0.025	0.340	1.32E-11	0.012	0.008	0.106	0.012	45.754	TRUE	3.11E-11
Overall COPD	TP73	cg05936300	rs2760317	T	C	-0.322	0.051	0.058	1.84E-10	0.003	0.015	0.850	0.011	40.608	TRUE	2.34E-10
Overall COPD	TP73	cg05936300	rs2821022	A	T	-0.303	0.026	0.300	2.58E-32	-0.013	0.008	0.101	0.036	139.989	TRUE	2.63E-31
Overall COPD	TP73	cg05936300	rs3765703	G	T	-0.182	0.024	0.426	3.29E-14	0.008	0.007	0.256	0.015	57.524	TRUE	7.27E-14
Overall COPD	TP73	cg05936300	rs7416277	A	G	-0.346	0.061	0.039	1.32E-08	-0.015	0.017	0.376	0.009	32.285	TRUE	2.02E-08
Overall COPD	TP73	cg06646112	rs3765737	G	A	0.251	0.024	0.376	1.95E-25	-0.010	0.007	0.160	0.029	108.574	TRUE	1.00E-24
Overall COPD	TP73	cg06939447	rs3765703	G	T	-0.134	0.024	0.426	1.90E-08	0.008	0.007	0.256	0.008	31.580	TRUE	3.14E-08
Overall COPD	TP73	cg06996273	rs3765754	C	T	-0.136	0.024	0.339	1.53E-08	0.003	0.007	0.681	0.009	31.995	TRUE	1.99E-08
Overall COPD	TP73	cg07045089	rs2296032	C	T	0.387	0.032	0.319	2.20E-33	-0.002	0.008	0.781	0.038	144.874	TRUE	9.33E-33
Overall COPD	TP73	cg07045089	rs3765763	A	C	-0.169	0.031	0.174	4.66E-08	0.010	0.009	0.280	0.008	29.836	TRUE	7.44E-08
Overall COPD	TP73	cg08887707	rs1181877	T	C	-0.286	0.035	0.302	1.13E-16	-0.009	0.011	0.404	0.018	68.695	TRUE	2.46E-16
Overall COPD	TP73	cg08887707	rs1181880	T	C	0.234	0.038	0.099	1.19E-09	0.005	0.011	0.662	0.010	36.972	TRUE	1.61E-09
Overall COPD	TP73	cg08887707	rs12032272	T	C	-1.279	0.035	0.164	4.89E-293	0.001	0.010	0.902	0.266	1337.767	TRUE	3.10E-262
Overall COPD	TP73	cg08887707	rs35761570	C	T	-0.187	0.028	0.233	2.04E-11	-0.018	0.009	0.048	0.012	44.905	TRUE	5.48E-11
Overall COPD	TP73	cg08887707	rs3753205	C	G	-0.415	0.043	0.213	1.85E-22	0.007	0.009	0.410	0.025	95.007	TRUE	5.50E-22
Overall COPD	TP73	cg08887707	rs4582730	G	A	0.283	0.024	0.380	7.30E-32	-0.009	0.007	0.240	0.036	137.923	TRUE	5.20E-31
Overall COPD	TP73	cg08887707	rs76073395	T	C	-0.503	0.056	0.090	2.98E-19	-0.013	0.012	0.283	0.021	80.406	TRUE	8.45E-19
Overall COPD	TP73	cg09248714	rs3765692	C	T	0.379	0.037	0.249	8.86E-25	-0.018	0.008	0.030	0.028	105.580	TRUE	6.86E-24
Overall COPD	TP73	cg09248714	rs3765730	A	G	-0.162	0.025	0.362	5.65E-11	-0.009	0.008	0.254	0.011	42.917	TRUE	1.06E-10
Overall COPD	TP73	cg09248714	rs60206806	C	T	0.217	0.031	0.175	2.44E-12	-0.017	0.015	0.248	0.013	49.070	TRUE	4.93E-12
Overall COPD	TP73	cg09852697	rs1122723	G	A	-0.395	0.024	0.426	6.89E-63	0.007	0.007	0.307	0.070	280.020	TRUE	1.03E-60
Overall COPD	TP73	cg09852697	rs3765736	T	C	0.368	0.024	0.376	3.19E-53	-0.010	0.007	0.150	0.060	235.701	TRUE	2.21E-51
Overall COPD	TP73	cg09852697	rs3765769	C	T	-0.468	0.062	0.035	5.12E-14	-0.016	0.019	0.397	0.015	56.653	TRUE	9.83E-14
Overall COPD	TP73	cg11504517	rs10752739	G	A	0.405	0.023	0.482	1.52E-67	-0.008	0.007	0.275	0.075	301.378	TRUE	4.50E-65
Overall COPD	TP73	cg11504517	rs2821022	A	T	-0.215	0.026	0.300	6.67E-17	-0.013	0.008	0.101	0.019	69.731	TRUE	2.19E-16
Overall COPD	TP73	cg11504517	rs3765703	G	T	-0.213	0.024	0.426	4.94E-19	0.008	0.007	0.256	0.021	79.411	TRUE	1.43E-18
Overall COPD	TP73	cg11585071	rs1181880	T	C	-0.245	0.038	0.099	1.80E-10	0.005	0.011	0.662	0.011	40.645	TRUE	2.52E-10
Overall COPD	TP73	cg11585071	rs1885870	C	G	-0.840	0.021	0.372	<1E-200	-0.005	0.008	0.477	0.300	1586.883	TRUE	9.52E-305
Overall COPD	TP73	cg11585071	rs3765732	G	A	0.416	0.047	0.161	5.34E-19	-0.002	0.010	0.834	0.021	79.255	TRUE	9.43E-19
Overall COPD	TP73	cg11585071	rs55657548	T	C	0.406	0.030	0.178	1.53E-40	0.008	0.009	0.407	0.046	177.614	TRUE	1.74E-39
Overall COPD	TP73	cg11585071	rs7542464	T	C	0.295	0.025	0.317	2.71E-31	0.004	0.007	0.629	0.035	135.319	TRUE	1.15E-30
Overall COPD	TP73	cg11970695	rs1122723	G	A	0.169	0.024	0.426	1.83E-12	0.007	0.007	0.307	0.013	49.627	TRUE	3.53E-12
Overall COPD	TP73	cg12268562	rs1122723	G	A	-0.272	0.024	0.426	5.45E-30	0.007	0.007	0.307	0.034	129.365	TRUE	3.03E-29
Overall COPD	TP73	cg12268562	rs1885868	C	T	-0.491	0.061	0.038	7.32E-16	-0.005	0.016	0.753	0.017	65.010	TRUE	1.19E-15
Overall COPD	TP73	cg12268562	rs2146659	G	A	0.321	0.024	0.365	3.08E-40	-0.008	0.007	0.288	0.045	176.228	TRUE	4.08E-39
Overall COPD	TP73	cg12268562	rs3819968	T	G	-0.211	0.032	0.411	8.58E-11	0.000	0.008	0.975	0.011	42.097	TRUE	1.03E-10
Overall COPD	TP73	cg13914636	rs3765743	T	C	-0.314	0.023	0.487	2.63E-42	-0.009	0.007	0.190	0.048	185.697	TRUE	5.15E-41

Overall COPD	TP73	cg13914636	rs3765769	C	T	-0.349	0.062	0.035	1.93E-08	-0.016	0.019	0.397	0.008	31.543	TRUE	2.90E-08
Overall COPD	TP73	cg13943358	rs10910003	A	G	0.508	0.048	0.148	3.94E-26	-0.001	0.009	0.934	0.029	111.745	TRUE	9.26E-26
Overall COPD	TP73	cg14159342	rs2208992	C	T	-0.139	0.024	0.420	9.27E-09	0.001	0.007	0.919	0.009	32.972	TRUE	1.09E-08
Overall COPD	TP73	cg14159342	rs3765703	G	T	-0.262	0.024	0.426	4.33E-28	0.008	0.007	0.256	0.032	120.687	TRUE	2.26E-27
Overall COPD	TP73	cg14159342	rs3765754	C	T	0.151	0.024	0.339	3.38E-10	0.003	0.007	0.681	0.011	39.418	TRUE	4.64E-10
Overall COPD	TP73	cg14660788	rs1122723	G	A	-0.295	0.024	0.426	3.73E-35	0.007	0.007	0.307	0.040	152.973	TRUE	3.09E-34
Overall COPD	TP73	cg14660788	rs12032272	T	C	-0.269	0.047	0.164	8.39E-09	0.001	0.010	0.902	0.009	33.165	TRUE	9.92E-09
Overall COPD	TP73	cg14660788	rs12757620	G	T	0.163	0.024	0.434	6.27E-12	0.004	0.007	0.547	0.013	47.216	TRUE	9.89E-12
Overall COPD	TP73	cg14660788	rs2146659	G	A	0.322	0.024	0.365	1.48E-40	-0.008	0.007	0.288	0.046	177.684	TRUE	2.02E-39
Overall COPD	TP73	cg15161371	rs3765736	T	C	0.134	0.024	0.376	2.25E-08	-0.010	0.007	0.150	0.008	31.251	TRUE	4.11E-08
Overall COPD	TP73	cg16024523	rs1181880	T	C	-0.215	0.038	0.099	1.97E-08	0.005	0.011	0.662	0.008	31.509	TRUE	2.57E-08
Overall COPD	TP73	cg16024523	rs3765753	T	G	0.339	0.025	0.289	8.50E-41	0.003	0.008	0.667	0.046	178.787	TRUE	7.21E-40
Overall COPD	TP73	cg16024523	rs3819958	A	G	-0.220	0.027	0.252	2.09E-16	0.006	0.008	0.451	0.018	67.483	TRUE	4.31E-16
Overall COPD	TP73	cg17163168	rs12757620	G	T	0.257	0.024	0.434	2.47E-27	0.004	0.007	0.547	0.031	117.232	TRUE	8.69E-27
Overall COPD	TP73	cg17163168	rs3765703	G	T	-0.462	0.023	0.426	1.65E-86	0.008	0.007	0.256	0.095	388.411	TRUE	8.87E-83
Overall COPD	TP73	cg17471939	rs114270141	T	C	-0.384	0.066	0.032	5.07E-09	-0.007	0.018	0.693	0.009	34.145	TRUE	6.64E-09
Overall COPD	TP73	cg17471939	rs3765695	A	C	-0.214	0.032	0.149	2.85E-11	-0.019	0.009	0.036	0.012	44.254	TRUE	7.93E-11
Overall COPD	TP73	cg17471939	rs3765703	G	T	-0.405	0.024	0.426	3.45E-66	0.008	0.007	0.256	0.074	295.157	TRUE	8.92E-64
Overall COPD	TP73	cg17471939	rs4582730	G	A	0.133	0.024	0.380	4.46E-08	-0.009	0.007	0.240	0.008	29.921	TRUE	7.35E-08
Overall COPD	TP73	cg17471939	rs55728961	A	C	0.238	0.024	0.452	5.51E-24	0.004	0.007	0.547	0.027	101.960	TRUE	1.57E-23
Overall COPD	TP73	cg17804348	rs1181867	A	G	-0.155	0.028	0.219	3.05E-08	0.003	0.009	0.723	0.008	30.657	TRUE	3.85E-08
Overall COPD	TP73	cg17804348	rs12757620	G	T	0.178	0.024	0.434	6.67E-14	0.004	0.007	0.547	0.015	56.134	TRUE	1.14E-13
Overall COPD	TP73	cg17907911	rs3765739	G	A	-0.426	0.023	0.376	2.91E-74	-0.010	0.007	0.165	0.082	332.204	TRUE	3.03E-71
Overall COPD	TP73	cg17919477	rs10910001	C	T	-0.315	0.058	0.045	4.60E-08	-0.006	0.016	0.709	0.008	29.863	TRUE	5.80E-08
Overall COPD	TP73	cg17919477	rs2244942	C	T	-0.425	0.025	0.282	2.98E-64	0.004	0.009	0.622	0.072	286.276	TRUE	3.15E-62
Overall COPD	TP73	cg17919477	rs36031771	G	A	-0.165	0.024	0.404	4.88E-12	-0.013	0.008	0.073	0.013	47.707	TRUE	1.27E-11
Overall COPD	TP73	cg17986341	rs1745813	T	C	-0.265	0.028	0.214	4.02E-21	0.004	0.009	0.654	0.023	88.914	TRUE	8.97E-21
Overall COPD	TP73	cg17986341	rs6695978	A	G	0.378	0.059	0.040	2.12E-10	-0.016	0.017	0.363	0.011	40.329	TRUE	3.54E-10
Overall COPD	TP73	cg18279180	rs12033595	G	A	-0.647	0.046	0.164	1.38E-45	0.001	0.010	0.902	0.051	200.714	TRUE	1.39E-44
Overall COPD	TP73	cg18279180	rs12126706	T	C	0.182	0.025	0.300	8.26E-13	0.009	0.008	0.228	0.014	51.190	TRUE	1.75E-12
Overall COPD	TP73	cg18279180	rs3765703	G	T	-0.192	0.024	0.426	9.15E-16	0.008	0.007	0.256	0.017	64.571	TRUE	2.20E-15
Overall COPD	TP73	cg18279180	rs3765770	A	G	-0.612	0.062	0.035	5.43E-23	-0.016	0.019	0.397	0.026	97.433	TRUE	1.69E-22
Overall COPD	TP73	cg19688837	rs2096224	G	A	0.152	0.028	0.218	4.98E-08	0.004	0.009	0.648	0.008	29.710	TRUE	6.45E-08
Overall COPD	TP73	cg19692322	rs3765754	C	T	-0.158	0.024	0.339	4.53E-11	0.003	0.007	0.681	0.012	43.347	TRUE	6.40E-11
Overall COPD	TP73	cg19819912	rs3765754	C	T	-0.137	0.024	0.339	1.08E-08	0.003	0.007	0.681	0.009	32.679	TRUE	1.40E-08
Overall COPD	TP73	cg20306863	rs10910003	A	G	0.393	0.048	0.148	4.54E-16	-0.001	0.009	0.934	0.018	65.952	TRUE	6.65E-16
Overall COPD	TP73	cg20306863	rs34868661	G	A	-0.256	0.024	0.364	1.52E-25	-0.009	0.008	0.254	0.029	109.073	TRUE	6.65E-25
Overall COPD	TP73	cg20306863	rs7544357	A	G	0.155	0.026	0.288	2.75E-09	0.007	0.008	0.382	0.009	35.331	TRUE	4.32E-09
Overall COPD	TP73	cg20768358	rs10909975	C	A	0.191	0.032	0.174	1.57E-09	0.006	0.009	0.518	0.010	36.421	TRUE	2.30E-09
Overall COPD	TP73	cg20768358	rs10909987	G	C	-0.300	0.025	0.340	4.43E-34	-0.012	0.008	0.132	0.038	148.057	TRUE	4.77E-33
Overall COPD	TP73	cg20768358	rs10910001	C	T	-0.449	0.058	0.045	1.47E-14	-0.006	0.016	0.709	0.016	59.102	TRUE	2.34E-14
Overall COPD	TP73	cg20768358	rs10910003	A	G	0.502	0.048	0.148	1.92E-25	-0.001	0.009	0.934	0.029	108.610	TRUE	4.34E-25

Overall COPD	TP73	cg20768358	rs12028205	T	G	-0.134	0.024	0.420	2.12E-08	0.008	0.007	0.256	0.008	31.365	TRUE	3.50E-08
Overall COPD	TP73	cg20768358	rs12408890	C	T	-0.572	0.024	0.340	5.32E-126	0.012	0.008	0.106	0.133	569.801	TRUE	1.26E-118
Overall COPD	TP73	cg20768358	rs1885868	C	T	-0.359	0.061	0.038	3.85E-09	-0.005	0.016	0.753	0.009	34.678	TRUE	4.92E-09
Overall COPD	TP73	cg21388339	rs12126706	T	C	-0.311	0.025	0.300	1.10E-34	0.009	0.008	0.228	0.039	150.830	TRUE	1.00E-33
Overall COPD	TP73	cg21388339	rs144666894	A	T	-0.387	0.067	0.029	7.03E-09	-0.006	0.018	0.723	0.009	33.508	TRUE	9.04E-09
Overall COPD	TP73	cg21388339	rs2273953	A	G	0.251	0.043	0.208	6.38E-09	0.007	0.009	0.474	0.009	33.698	TRUE	9.33E-09
Overall COPD	TP73	cg21388339	rs3765698	C	T	0.262	0.044	0.072	2.10E-09	-0.021	0.012	0.086	0.010	35.855	TRUE	4.50E-09
Overall COPD	TP73	cg21388339	rs3765732	G	A	1.116	0.043	0.161	2.84E-149	-0.002	0.010	0.834	0.155	676.742	TRUE	2.45E-140
Overall COPD	TP73	cg21388339	rs3765758	G	A	0.152	0.024	0.440	1.41E-10	0.005	0.007	0.485	0.011	41.124	TRUE	2.19E-10
Overall COPD	TP73	cg21418707	rs3819959	C	T	-0.186	0.024	0.373	1.61E-14	-0.011	0.007	0.138	0.016	58.923	TRUE	4.25E-14
Overall COPD	TP73	cg21827809	rs3765703	G	T	-0.227	0.024	0.426	1.97E-21	0.008	0.007	0.256	0.024	90.323	TRUE	6.60E-21
Overall COPD	TP73	cg21827809	rs4648530	G	A	-0.156	0.028	0.226	2.57E-08	-0.024	0.010	0.012	0.008	30.988	TRUE	6.69E-08
Overall COPD	TP73	cg21827809	rs60206806	C	T	-0.533	0.030	0.175	3.92E-69	-0.017	0.015	0.248	0.077	308.669	TRUE	1.54E-66
Overall COPD	TP73	cg22039909	rs2254530	C	A	0.157	0.026	0.258	3.28E-09	0.000	0.008	0.965	0.009	34.992	TRUE	3.81E-09
Overall COPD	TP73	cg22039909	rs41301973	A	G	0.509	0.059	0.040	6.95E-18	-0.015	0.017	0.382	0.020	74.189	TRUE	1.65E-17
Overall COPD	TP73	cg22048228	rs3765703	G	T	0.179	0.024	0.426	6.11E-14	0.008	0.007	0.256	0.015	56.305	TRUE	1.33E-13
Overall COPD	TP73	cg22234529	rs12028205	T	G	-0.266	0.024	0.420	6.49E-29	0.008	0.007	0.256	0.033	124.449	TRUE	3.60E-28
Overall COPD	TP73	cg22234529	rs3765754	C	T	0.204	0.024	0.339	1.40E-17	0.003	0.007	0.681	0.019	72.816	TRUE	2.56E-17
Overall COPD	TP73	cg22383924	rs3765703	G	T	-0.131	0.024	0.426	4.32E-08	0.008	0.007	0.256	0.008	29.983	TRUE	7.03E-08
Overall COPD	TP73	cg23052055	rs1122723	G	A	-0.314	0.024	0.426	7.64E-40	0.007	0.007	0.307	0.045	174.420	TRUE	9.48E-39
Overall COPD	TP73	cg23052055	rs12046074	T	C	-0.377	0.061	0.037	8.05E-10	-0.007	0.016	0.667	0.010	37.727	TRUE	1.10E-09
Overall COPD	TP73	cg23052055	rs3765695	A	C	-0.177	0.032	0.149	4.21E-08	-0.019	0.009	0.036	0.008	30.033	TRUE	9.41E-08
Overall COPD	TP73	cg23052055	rs55657548	T	C	0.516	0.030	0.178	1.96E-65	0.008	0.009	0.407	0.073	291.693	TRUE	3.38E-63
Overall COPD	TP73	cg23052055	rs78340412	C	T	-0.327	0.047	0.158	4.38E-12	0.001	0.010	0.957	0.013	47.920	TRUE	5.53E-12
Overall COPD	TP73	cg24356964	rs10752739	G	A	0.141	0.024	0.482	2.31E-09	-0.008	0.007	0.275	0.010	35.670	TRUE	3.94E-09
Overall COPD	TP73	cg25352980	rs3765770	A	G	0.586	0.062	0.035	2.66E-21	-0.016	0.019	0.397	0.024	89.730	TRUE	7.50E-21
Overall COPD	TP73	cg25758394	rs17379833	T	A	-0.162	0.024	0.371	2.18E-11	-0.008	0.007	0.269	0.012	44.776	TRUE	4.12E-11
Overall COPD	TP73	cg26034538	rs2096224	G	A	0.198	0.028	0.218	1.82E-12	0.004	0.009	0.648	0.013	49.647	TRUE	2.75E-12
Overall COPD	TP73	cg26055950	rs12757620	G	T	0.233	0.024	0.434	1.16E-22	0.004	0.007	0.547	0.025	95.935	TRUE	3.06E-22
Overall COPD	TP73	cg26055950	rs3765695	A	C	-0.207	0.032	0.149	1.34E-10	-0.019	0.009	0.036	0.011	41.231	TRUE	3.56E-10
Overall COPD	TP73	cg26055950	rs3765703	G	T	-0.391	0.024	0.426	1.50E-61	0.008	0.007	0.256	0.069	273.879	TRUE	2.13E-59
Overall COPD	TP73	cg26105278	rs2208992	C	T	-0.179	0.024	0.420	1.34E-13	0.001	0.007	0.919	0.015	54.765	TRUE	1.81E-13
Overall COPD	TP73	cg26105278	rs2244942	C	T	-0.158	0.026	0.282	1.23E-09	0.004	0.009	0.622	0.010	36.897	TRUE	1.71E-09
Overall COPD	TP73	cg26105278	rs3765703	G	T	-0.167	0.024	0.426	3.38E-12	0.008	0.007	0.256	0.013	48.429	TRUE	6.74E-12
Overall COPD	TP73	cg26105278	rs3765754	C	T	0.155	0.024	0.339	1.02E-10	0.003	0.007	0.681	0.011	41.768	TRUE	1.42E-10
Overall COPD	TP73	cg26208930	rs879622	A	G	0.138	0.024	0.364	1.83E-08	-0.008	0.007	0.298	0.008	31.655	TRUE	2.93E-08
Overall COPD	TP73	cg26810690	rs4610947	A	C	-0.187	0.024	0.373	1.02E-14	-0.010	0.007	0.164	0.016	59.821	TRUE	2.61E-14
Overall COPD	TP73	cg27055894	rs3765703	G	T	-0.260	0.024	0.426	7.02E-28	0.008	0.007	0.256	0.031	119.728	TRUE	3.61E-27
Overall COPD	TP73	cg27564766	rs4648552	T	C	0.478	0.031	0.164	2.96E-53	-0.003	0.010	0.803	0.060	235.850	TRUE	7.03E-52
Overall COPD	TRAF1	cg04517263	rs1837	A	G	0.148	0.027	0.262	4.07E-08	-0.001	0.008	0.909	0.008	30.100	TRUE	4.72E-08
Overall COPD	TRAF1	cg04517263	rs1930785	T	G	0.154	0.024	0.420	8.29E-11	-0.012	0.007	0.067	0.011	42.165	TRUE	2.02E-10
Overall COPD	TRAF1	cg14064762	rs10985023	G	C	0.172	0.027	0.256	1.75E-10	-0.002	0.008	0.787	0.011	40.701	TRUE	2.30E-10

Overall COPD	TRAF1	cg14064762	rs1930785	T	G	0.240	0.024	0.420	2.49E-24	-0.012	0.007	0.067	0.027	103.532	TRUE	1.52E-23
Overall COPD	TRAF1	cg14392772	rs10985070	C	A	-0.217	0.023	0.431	1.53E-20	-0.016	0.007	0.020	0.023	86.271	TRUE	9.29E-20
Overall COPD	TRAF1	cg14518276	rs10739575	G	A	0.179	0.032	0.167	2.12E-08	-0.001	0.009	0.939	0.008	31.361	TRUE	2.45E-08
Overall COPD	TRAF1	cg14518276	rs6478486	T	C	0.348	0.024	0.344	3.07E-46	-0.014	0.007	0.049	0.052	203.705	TRUE	1.55E-44
Overall COPD	TRAF1	cg14518276	rs74971050	T	C	-0.195	0.032	0.158	8.73E-10	0.000	0.010	0.978	0.010	37.569	TRUE	1.02E-09
Overall COPD	TRAF1	cg14518276	rs7872790	T	A	0.182	0.030	0.203	8.88E-10	-0.008	0.009	0.344	0.010	37.537	TRUE	1.46E-09
Overall COPD	TRAF1	cg15551881	rs2300930	A	C	0.331	0.041	0.096	1.17E-15	-0.006	0.012	0.607	0.017	64.093	TRUE	2.07E-15
Overall COPD	TRAF1	cg15551881	rs2300936	G	A	0.247	0.043	0.089	8.23E-09	-0.002	0.011	0.839	0.009	33.203	TRUE	1.00E-08
Overall COPD	TRAF1	cg15551881	rs7021049	G	T	0.282	0.023	0.434	1.91E-33	-0.014	0.007	0.042	0.038	145.151	TRUE	2.84E-32
Overall COPD	TRAF1	cg15551881	rs914842	A	G	0.186	0.028	0.224	4.97E-11	-0.002	0.008	0.816	0.012	43.164	TRUE	6.54E-11
Overall COPD	TRAF1	cg21152671	rs1008381	T	C	0.494	0.024	0.341	4.77E-93	-0.013	0.007	0.056	0.102	418.439	TRUE	1.96E-88
Overall COPD	TRAF1	cg21152671	rs17220750	A	G	0.243	0.040	0.090	1.35E-09	-0.021	0.012	0.077	0.010	36.724	TRUE	2.97E-09
Overall COPD	TRAF1	cg21152671	rs1975468	C	A	0.189	0.032	0.165	1.83E-09	-0.013	0.009	0.136	0.010	36.127	TRUE	3.62E-09
Overall COPD	TRAF1	cg21152671	rs2109890	G	T	0.391	0.052	0.054	4.02E-14	0.026	0.015	0.078	0.015	57.129	TRUE	1.17E-13
Overall COPD	TRAF1	cg21152671	rs4837839	T	C	-0.177	0.023	0.456	3.56E-14	0.011	0.007	0.122	0.015	57.366	TRUE	9.45E-14
Overall COPD	TRAF1	cg21152671	rs72760268	T	C	-0.589	0.086	0.017	9.01E-12	0.004	0.028	0.874	0.012	46.507	TRUE	1.18E-11
Overall COPD	TRAF1	cg21152671	rs75780782	T	C	0.387	0.050	0.060	1.58E-14	0.000	0.014	0.974	0.016	58.964	TRUE	2.14E-14
Overall COPD	TRAF1	cg21241889	rs10739575	G	A	0.219	0.032	0.167	7.73E-12	-0.001	0.009	0.939	0.012	46.808	TRUE	9.78E-12
Overall COPD	TRAF1	cg21241889	rs150211503	T	C	-0.367	0.062	0.031	3.77E-09	-0.032	0.020	0.104	0.009	34.718	TRUE	7.70E-09
Overall COPD	TRAF1	cg21241889	rs2109890	G	T	0.315	0.052	0.054	1.13E-09	0.026	0.015	0.078	0.010	37.066	TRUE	2.50E-09
Overall COPD	TRAF1	cg21241889	rs3747846	G	A	-0.273	0.045	0.078	1.02E-09	0.013	0.012	0.306	0.010	37.274	TRUE	1.72E-09
Overall COPD	TRAF1	cg21241889	rs62578405	T	C	-0.711	0.046	0.076	5.60E-54	-0.003	0.014	0.861	0.061	239.166	TRUE	1.34E-52
Overall COPD	TRAF5	cg09061993	rs144826755	G	A	0.256	0.042	0.080	6.97E-10	0.003	0.016	0.844	0.010	38.008	TRUE	8.73E-10
Overall COPD	TRAF5	cg09825327	rs2920907	G	C	-0.516	0.062	0.034	5.66E-17	-0.004	0.018	0.814	0.019	70.055	TRUE	9.27E-17
Overall COPD	TRAF5	cg09825327	rs7550702	T	C	-0.135	0.024	0.398	1.48E-08	0.018	0.007	0.009	0.009	32.065	TRUE	4.08E-08
Overall COPD	TRAF5	cg10177528	rs12080561	G	A	0.980	0.091	0.015	3.21E-27	0.023	0.028	0.413	0.031	116.714	TRUE	1.29E-26
Overall COPD	TRAF5	cg11415739	rs147687029	C	G	0.637	0.102	0.014	3.93E-10	-0.032	0.025	0.195	0.010	39.125	TRUE	7.50E-10
Overall COPD	TRAF5	cg11415739	rs7523875	T	A	0.237	0.034	0.131	3.43E-12	0.008	0.010	0.415	0.013	48.401	TRUE	5.97E-12
Overall COPD	TRAF5	cg21158528	rs113400840	T	C	0.423	0.071	0.023	2.97E-09	-0.019	0.024	0.444	0.009	35.186	TRUE	4.47E-09
Overall COPD	TRAF5	cg21158528	rs139634411	A	G	-0.673	0.104	0.013	7.99E-11	-0.032	0.025	0.193	0.011	42.237	TRUE	1.59E-10
Overall COPD	TRAF5	cg21158528	rs6656860	G	A	-0.160	0.024	0.377	4.09E-11	0.019	0.007	0.008	0.012	43.545	TRUE	1.40E-10
Overall COPD	TRIM5	cg03698359	rs118189362	C	T	-0.451	0.067	0.029	1.92E-11	-0.016	0.022	0.473	0.012	45.031	TRUE	3.10E-11
Overall COPD	TRIM5	cg03698359	rs12271333	C	A	0.212	0.034	0.140	3.29E-10	0.010	0.010	0.316	0.011	39.472	TRUE	5.65E-10
Overall COPD	TRIM5	cg03698359	rs17304278	C	T	-0.199	0.029	0.210	4.31E-12	0.006	0.008	0.444	0.013	47.953	TRUE	7.32E-12
Overall COPD	TRIM5	cg03698359	rs2291844	C	T	-0.203	0.032	0.442	2.53E-10	0.009	0.008	0.242	0.011	39.985	TRUE	4.65E-10
Overall COPD	TRIM5	cg03698359	rs4992800	A	C	0.405	0.073	0.029	2.72E-08	0.016	0.022	0.476	0.008	30.879	TRUE	3.88E-08
Overall COPD	TRIM5	cg03698359	rs72484712	T	G	-0.751	0.042	0.081	4.60E-72	-0.032	0.012	0.008	0.080	322.110	TRUE	1.30E-68
Overall COPD	TRIM5	cg03698359	rs756035	G	T	0.159	0.025	0.329	1.45E-10	0.005	0.007	0.480	0.011	41.069	TRUE	2.26E-10
Overall COPD	TRIM5	cg03698359	rs7950912	C	T	0.273	0.038	0.391	1.28E-12	-0.012	0.008	0.117	0.013	50.325	TRUE	3.14E-12
Overall COPD	TRIM5	cg24893035	rs12799329	G	A	0.148	0.023	0.440	1.79E-10	-0.004	0.008	0.610	0.011	40.665	TRUE	2.57E-10
Overall COPD	TRIM5	cg24893035	rs3740996	A	G	-0.270	0.034	0.129	2.91E-15	0.016	0.010	0.113	0.017	62.293	TRUE	8.40E-15
Overall COPD	TRIM5	cg24893035	rs4992800	A	C	0.558	0.072	0.029	1.16E-14	0.016	0.022	0.476	0.016	59.576	TRUE	2.16E-14

Overall COPD	TSSK6	cg14188428	rs8101068	T	A	0.226	0.031	0.165	4.16E-13	-0.010	0.017	0.542	0.014	52.539	TRUE	6.90E-13
Overall COPD	UACA	cg09345916	rs116529282	C	T	-0.168	0.031	0.170	3.96E-08	0.025	0.009	0.005	0.008	30.151	TRUE	1.11E-07
Overall COPD	UNC5B	cg02378006	rs12412628	G	A	-0.190	0.023	0.444	2.84E-16	-0.002	0.007	0.754	0.018	66.878	TRUE	4.69E-16
Overall COPD	UNC5B	cg02675344	rs7090550	C	T	0.139	0.023	0.451	3.20E-09	-0.002	0.007	0.729	0.009	35.036	TRUE	4.15E-09
Overall COPD	UNC5B	cg04177244	rs10823691	C	T	0.265	0.026	0.279	1.32E-24	0.002	0.008	0.830	0.028	104.783	TRUE	3.10E-24
Overall COPD	UNC5B	cg04177244	rs10999720	A	G	-0.558	0.040	0.092	3.67E-44	0.000	0.011	0.969	0.050	194.189	TRUE	3.03E-43
Overall COPD	UNC5B	cg04269057	rs827276	T	C	0.225	0.037	0.108	1.54E-09	0.007	0.010	0.505	0.010	36.468	TRUE	2.26E-09
Overall COPD	UNC5B	cg08539872	rs80017311	C	G	0.670	0.042	0.089	2.00E-58	-0.004	0.012	0.731	0.066	259.550	TRUE	9.14E-57
Overall COPD	UNC5B	cg08539872	rs879279	A	C	-0.250	0.026	0.287	1.34E-21	0.014	0.007	0.057	0.024	91.096	TRUE	6.96E-21
Overall COPD	UNC5B	cg08905239	rs10999725	G	C	-0.556	0.040	0.090	4.55E-43	-0.002	0.011	0.891	0.049	189.185	TRUE	3.71E-42
Overall COPD	UNC5B	cg08905239	rs2153712	G	A	0.513	0.025	0.286	1.86E-92	0.005	0.007	0.505	0.101	415.719	TRUE	1.57E-88
Overall COPD	UNC5B	cg08905239	rs4345888	G	A	0.309	0.029	0.192	7.96E-26	-0.007	0.008	0.430	0.029	110.352	TRUE	2.86E-25
Overall COPD	UNC5B	cg11224737	rs10999741	A	G	0.252	0.026	0.285	1.31E-22	0.015	0.007	0.044	0.025	95.689	TRUE	7.83E-22
Overall COPD	UNC5B	cg17477835	rs6480504	A	G	0.397	0.046	0.064	7.52E-18	-0.006	0.014	0.660	0.020	74.034	TRUE	1.42E-17
Overall COPD	UNC5B	cg17477835	rs71477537	T	C	0.278	0.050	0.050	3.11E-08	-0.017	0.016	0.289	0.008	30.621	TRUE	4.97E-08
Overall COPD	UNC5B	cg18317005	rs10400016	G	A	-0.349	0.023	0.432	4.60E-51	0.002	0.007	0.815	0.058	225.811	TRUE	8.59E-50
Overall COPD	UNC5B	cg18317005	rs12767939	C	G	0.205	0.024	0.371	4.57E-17	0.012	0.007	0.098	0.019	70.477	TRUE	1.53E-16
Overall COPD	UNC5B	cg18317005	rs2394789	G	A	-0.548	0.048	0.060	8.46E-30	-0.006	0.015	0.671	0.034	128.491	TRUE	3.11E-29
Overall COPD	UNC5B	cg18317005	rs56275535	T	C	-0.286	0.034	0.142	1.48E-17	0.007	0.010	0.469	0.019	72.696	TRUE	3.19E-17
Overall COPD	UNC5B	cg18389931	rs61851258	G	A	-0.347	0.043	0.081	1.26E-15	0.015	0.015	0.297	0.017	63.934	TRUE	2.88E-15
Overall COPD	UNC5B	cg19673155	rs1124397	C	T	-0.224	0.026	0.315	1.87E-18	0.011	0.008	0.137	0.020	76.778	TRUE	6.29E-18
Overall COPD	UNC5B	cg23622162	rs10400146	T	C	-0.412	0.030	0.185	6.88E-43	0.000	0.009	0.956	0.048	188.364	TRUE	5.16E-42
Overall COPD	UNC5B	cg23622162	rs10823707	G	T	0.187	0.023	0.464	1.48E-15	0.008	0.007	0.255	0.017	63.627	TRUE	3.52E-15
Overall COPD	UNC5B	cg23622162	rs12357498	T	C	0.159	0.029	0.197	4.65E-08	0.004	0.009	0.633	0.008	29.841	TRUE	6.08E-08
Overall COPD	UNC5B	cg23622162	rs13419	G	A	-0.987	0.021	0.273	<1E-200	-0.003	0.007	0.682	0.383	2294.710	TRUE	<1E-200
Overall COPD	UNC5B	cg23622162	rs16928669	G	A	1.683	0.061	0.033	9.90E-168	-0.001	0.019	0.949	0.171	761.581	TRUE	9.59E-157
Overall COPD	UNC5B	cg23622162	rs2066210	G	A	0.373	0.044	0.151	4.32E-17	0.007	0.011	0.496	0.019	70.587	TRUE	8.89E-17
Overall COPD	UNC5B	cg23622162	rs2487068	A	G	0.207	0.036	0.119	1.35E-08	-0.011	0.010	0.276	0.009	32.245	TRUE	2.21E-08
Overall COPD	UNC5B	cg23622162	rs74147806	G	C	0.612	0.042	0.082	1.03E-48	-0.008	0.012	0.471	0.055	215.038	TRUE	2.33E-47
Overall COPD	UNC5B	cg23622162	rs77618593	T	C	-0.675	0.112	0.024	1.55E-09	-0.038	0.022	0.094	0.010	36.449	TRUE	3.29E-09
Overall COPD	UNC5B	cg23622162	rs7897039	G	T	-0.187	0.026	0.282	8.46E-13	-0.008	0.008	0.295	0.014	51.144	TRUE	1.67E-12
Overall COPD	UNC5B	cg23622162	rs809691	A	T	0.162	0.025	0.360	4.69E-11	-0.005	0.007	0.505	0.012	43.277	TRUE	7.33E-11
Overall COPD	UNC5B	cg24839386	rs10823707	G	T	-0.220	0.023	0.464	6.85E-21	0.008	0.007	0.255	0.023	87.862	TRUE	2.22E-20
Overall COPD	UNC5B	cg24839386	rs12355168	T	A	-0.659	0.042	0.086	4.88E-55	-0.004	0.012	0.731	0.062	244.026	TRUE	1.53E-53
Overall COPD	UNC5B	cg24839386	rs7895359	A	G	0.175	0.031	0.174	1.64E-08	-0.001	0.009	0.911	0.009	31.863	TRUE	1.92E-08
Overall COPD	UNC5B	cg26152017	rs10823707	G	T	-0.227	0.023	0.464	2.83E-22	0.008	0.007	0.255	0.025	94.162	TRUE	1.00E-21
Overall COPD	UNC5B	cg26152017	rs12355168	T	A	-0.671	0.042	0.086	6.95E-57	-0.004	0.012	0.731	0.064	252.490	TRUE	2.66E-55
Overall COPD	UVRAG	cg00223767	rs113530402	G	C	-0.777	0.069	0.027	1.94E-29	0.012	0.020	0.552	0.033	126.844	TRUE	7.80E-29
Overall COPD	UVRAG	cg02337499	rs7118567	A	C	-0.612	0.039	0.094	2.24E-54	-0.024	0.011	0.037	0.061	240.990	TRUE	3.19E-52
Overall COPD	UVRAG	cg04598420	rs10793130	A	G	0.305	0.040	0.094	3.09E-14	-0.016	0.012	0.203	0.015	57.647	TRUE	7.27E-14
Overall COPD	UVRAG	cg04598420	rs12785513	G	A	-0.253	0.030	0.196	4.70E-17	-0.002	0.009	0.857	0.019	70.420	TRUE	7.52E-17
Overall COPD	UVRAG	cg05343689	rs2371371	T	C	-0.721	0.072	0.027	1.32E-23	-0.015	0.020	0.469	0.026	100.235	TRUE	3.96E-23

Overall COPD	UVRAG	cg05343689	rs78696074	C	T	-0.314	0.057	0.039	4.85E-08	0.006	0.017	0.701	0.008	29.762	TRUE	6.13E-08
Overall COPD	UVRAG	cg13641591	rs12785513	G	A	-0.219	0.030	0.196	4.01E-13	-0.002	0.009	0.857	0.014	52.611	TRUE	5.52E-13
Overall COPD	UVRAG	cg13641591	rs575976	G	A	0.164	0.030	0.189	3.55E-08	0.002	0.009	0.800	0.008	30.362	TRUE	4.32E-08
Overall COPD	UVRAG	cg13641591	rs7118567	A	C	0.589	0.040	0.094	8.65E-49	-0.024	0.011	0.037	0.055	215.387	TRUE	6.37E-47
Overall COPD	VDAC3	cg15653945	rs11990734	C	G	0.196	0.028	0.280	3.19E-12	0.000	0.007	0.948	0.013	48.544	TRUE	4.06E-12
Overall COPD	VDAC3	cg15653945	rs141641517	C	G	0.537	0.062	0.038	7.03E-18	-0.022	0.019	0.238	0.020	74.169	TRUE	1.95E-17
Overall COPD	VDAC3	cg15653945	rs543398208	G	A	1.356	0.114	0.011	1.17E-32	0.040	0.046	0.381	0.037	141.549	TRUE	7.22E-32
Overall COPD	VDAC3	cg15653945	rs73623810	C	G	1.744	0.074	0.027	1.46E-122	0.041	0.019	0.033	0.130	553.998	TRUE	3.22E-115
Overall COPD	VDAC3	cg15653945	rs7838753	C	T	0.233	0.040	0.111	5.47E-09	-0.009	0.011	0.416	0.009	33.997	TRUE	8.30E-09
Overall COPD	VDAC3	cg17459219	rs4376487	G	A	0.358	0.064	0.042	2.30E-08	0.023	0.018	0.209	0.008	31.202	TRUE	3.96E-08
Overall COPD	VDAC3	cg17910564	rs7004637	G	A	-0.313	0.055	0.057	1.50E-08	0.039	0.015	0.008	0.009	32.040	TRUE	4.18E-08
Overall COPD	VDAC3	cg26844171	rs543398208	G	A	0.676	0.115	0.011	3.98E-09	0.040	0.046	0.381	0.009	34.614	TRUE	6.21E-09
Overall COPD	VDAC3	cg26844171	rs73622201	T	C	0.962	0.078	0.026	5.10E-35	0.047	0.025	0.062	0.040	152.350	TRUE	7.76E-34
Overall COPD	VPS4A	cg00596184	rs11075703	G	A	-0.844	0.067	0.029	5.69E-36	0.023	0.020	0.252	0.041	156.704	TRUE	5.54E-35
Overall COPD	VPS4A	cg00596184	rs112113281	T	C	-0.956	0.045	0.073	3.38E-101	0.010	0.012	0.438	0.110	455.864	TRUE	1.55E-96
Overall COPD	VPS4A	cg00596184	rs11641710	A	G	0.161	0.028	0.241	6.25E-09	-0.001	0.008	0.865	0.009	33.737	TRUE	7.54E-09
Overall COPD	VPS4A	cg00596184	rs11644316	T	C	-0.425	0.024	0.420	6.88E-72	0.002	0.007	0.771	0.080	321.312	TRUE	1.60E-69
Overall COPD	VPS4A	cg00596184	rs117498338	A	C	-0.819	0.131	0.011	3.71E-10	-0.022	0.032	0.486	0.010	39.239	TRUE	5.66E-10
Overall COPD	VPS4A	cg00596184	rs117745253	G	A	0.482	0.079	0.028	1.11E-09	0.001	0.019	0.953	0.010	37.095	TRUE	1.32E-09
Overall COPD	VPS4A	cg00596184	rs117771346	T	C	-0.722	0.093	0.014	1.07E-14	0.019	0.020	0.325	0.016	59.734	TRUE	2.26E-14
Overall COPD	VPS4A	cg00596184	rs12149228	T	C	-0.192	0.031	0.162	6.83E-10	-0.001	0.009	0.905	0.010	38.047	TRUE	8.31E-10
Overall COPD	VPS4A	cg00596184	rs12444344	G	A	0.332	0.037	0.115	4.53E-19	0.003	0.011	0.772	0.021	79.581	TRUE	8.37E-19
Overall COPD	VPS4A	cg00596184	rs146187919	T	C	0.427	0.049	0.050	5.65E-18	-0.004	0.015	0.815	0.020	74.601	TRUE	9.65E-18
Overall COPD	VPS4A	cg00596184	rs150492217	C	A	-0.411	0.059	0.042	2.51E-12	0.025	0.018	0.156	0.013	49.015	TRUE	5.66E-12
Overall COPD	VPS4A	cg00596184	rs16958736	T	C	0.358	0.039	0.093	3.98E-20	0.008	0.012	0.535	0.022	84.387	TRUE	9.25E-20
Overall COPD	VPS4A	cg00596184	rs184558637	A	C	-0.974	0.076	0.021	1.33E-37	0.020	0.022	0.377	0.042	164.165	TRUE	1.22E-36
Overall COPD	VPS4A	cg00596184	rs191512194	G	T	-0.715	0.100	0.014	1.03E-12	-0.060	0.048	0.216	0.014	50.763	TRUE	2.19E-12
Overall COPD	VPS4A	cg00596184	rs2011779	G	A	-0.185	0.024	0.387	2.61E-14	-0.003	0.007	0.713	0.015	57.975	TRUE	4.09E-14
Overall COPD	VPS4A	cg00596184	rs33965115	A	G	-0.490	0.050	0.056	6.45E-23	0.016	0.015	0.266	0.026	97.090	TRUE	2.34E-22
Overall COPD	VPS4A	cg00596184	rs35828316	A	G	-0.323	0.043	0.079	4.72E-14	-0.033	0.013	0.011	0.015	56.814	TRUE	1.93E-13
Overall COPD	VPS4A	cg00596184	rs3759983	T	C	-0.909	0.022	0.272	<1E-200	0.022	0.007	0.004	0.308	1647.452	TRUE	<1E-200
Overall COPD	VPS4A	cg00596184	rs3785076	G	A	0.424	0.059	0.038	5.73E-13	-0.009	0.019	0.657	0.014	51.908	TRUE	8.81E-13
Overall COPD	VPS4A	cg00596184	rs62052772	T	C	0.207	0.033	0.349	4.77E-10	0.015	0.008	0.059	0.010	38.750	TRUE	1.13E-09
Overall COPD	VPS4A	cg00596184	rs696585	G	A	0.284	0.026	0.283	4.13E-28	-0.015	0.008	0.050	0.032	120.779	TRUE	3.69E-27
Overall COPD	VPS4A	cg00596184	rs7186727	G	A	0.331	0.034	0.132	8.62E-22	-0.010	0.010	0.325	0.024	91.961	TRUE	2.70E-21
Overall COPD	VPS4A	cg00596184	rs72797195	G	A	0.319	0.026	0.286	1.56E-35	0.006	0.008	0.427	0.040	154.699	TRUE	1.13E-34
Overall COPD	VPS4A	cg00596184	rs75069063	A	G	-0.736	0.048	0.057	1.25E-53	-0.006	0.014	0.684	0.060	237.566	TRUE	3.56E-52
Overall COPD	VPS4A	cg00596184	rs8056707	A	G	-0.345	0.054	0.048	1.92E-10	0.003	0.016	0.859	0.011	40.526	TRUE	2.42E-10
Overall COPD	VPS4A	cg00596184	rs8061932	C	T	-0.402	0.032	0.145	5.69E-36	0.021	0.009	0.029	0.041	156.705	TRUE	1.20E-34
Overall COPD	VPS4A	cg00596184	rs9929584	C	T	-0.408	0.024	0.326	3.17E-62	0.005	0.007	0.466	0.070	276.984	TRUE	3.28E-60
Overall COPD	VPS4A	cg01115243	rs138940898	A	G	0.377	0.064	0.032	4.84E-09	-0.003	0.020	0.866	0.009	34.233	TRUE	5.86E-09
Overall COPD	VPS4A	cg02825511	rs117281966	G	C	0.531	0.082	0.042	1.06E-10	0.028	0.020	0.172	0.011	41.681	TRUE	2.15E-10

Overall COPD	VPS4A	cg02825511	rs34799636	C	A	0.255	0.030	0.177	2.60E-17	0.016	0.009	0.078	0.019	71.586	TRUE	9.33E-17
Overall COPD	VPS4A	cg03174963	rs877534	A	C	0.171	0.025	0.317	5.81E-12	0.021	0.007	0.004	0.013	47.367	TRUE	2.32E-11
Overall COPD	VPS4A	cg26468152	rs13339473	T	A	-0.197	0.025	0.309	1.48E-15	0.018	0.007	0.014	0.017	63.627	TRUE	6.58E-15
Overall COPD	VPS4A	cg26979197	rs12708897	G	A	-0.337	0.025	0.321	3.41E-42	0.018	0.008	0.020	0.048	185.181	TRUE	1.48E-40
Overall COPD	VPS4A	cg26979197	rs9923920	T	C	-0.233	0.040	0.094	5.25E-09	-0.001	0.012	0.950	0.009	34.075	TRUE	6.12E-09
Overall COPD	VPS4A	cg27620681	rs9924894	G	T	-0.161	0.026	0.262	8.15E-10	0.014	0.008	0.060	0.010	37.703	TRUE	1.90E-09
Overall COPD	WAC	cg04045419	rs10826476	G	T	-0.187	0.025	0.298	5.15E-14	0.002	0.008	0.836	0.015	56.641	TRUE	7.41E-14
Overall COPD	WAC	cg04045419	rs10826497	A	G	-0.161	0.027	0.255	1.25E-09	-0.021	0.008	0.009	0.010	36.867	TRUE	3.77E-09
Overall COPD	WAC	cg04045419	rs12246494	C	T	-0.166	0.023	0.476	7.18E-13	-0.004	0.007	0.584	0.014	51.468	TRUE	1.15E-12
Overall COPD	WAC	cg04045419	rs61848533	A	C	-0.168	0.027	0.255	2.73E-10	-0.016	0.008	0.042	0.011	39.841	TRUE	6.92E-10
Overall COPD	WAC	cg04045419	rs6481534	T	C	0.606	0.025	0.278	1.73E-128	0.021	0.007	0.005	0.136	581.228	TRUE	3.96E-120
Overall COPD	WAC	cg05797732	rs11597279	G	T	-0.169	0.026	0.276	1.27E-10	0.021	0.007	0.004	0.011	41.328	TRUE	4.58E-10
Overall COPD	WAC	cg24792245	rs11007134	C	T	-0.271	0.027	0.235	4.51E-23	-0.007	0.009	0.421	0.026	97.798	TRUE	1.38E-22
Overall COPD	WAC	cg24792245	rs2998286	T	C	0.385	0.027	0.230	3.04E-45	-0.020	0.008	0.016	0.051	199.142	TRUE	2.00E-43
Overall COPD	WAC	cg24792245	rs7070703	C	T	-0.148	0.023	0.470	1.36E-10	0.016	0.007	0.025	0.011	41.205	TRUE	3.81E-10
Overall COPD	WAC	cg25656514	rs332135	G	A	-0.193	0.029	0.196	1.38E-11	-0.009	0.009	0.300	0.012	45.666	TRUE	2.57E-11
Overall COPD	WDR35	cg01055594	rs1370585	T	C	-0.216	0.027	0.257	9.93E-16	0.001	0.008	0.912	0.017	64.410	TRUE	1.46E-15
Overall COPD	WDR35	cg01055594	rs76373115	T	C	0.556	0.045	0.075	1.03E-35	-0.029	0.012	0.020	0.040	155.521	TRUE	2.35E-34
Overall COPD	WDR35	cg05412990	rs75724734	T	C	0.421	0.045	0.075	3.68E-21	-0.028	0.012	0.022	0.024	89.094	TRUE	2.29E-20
Overall COPD	WDR35	cg20319457	rs75651650	A	C	0.236	0.042	0.081	2.29E-08	-0.013	0.013	0.335	0.008	31.213	TRUE	3.57E-08
Overall COPD	WDR35	cg20786514	rs1017446	C	T	0.223	0.025	0.312	1.16E-18	-0.001	0.008	0.917	0.021	77.732	TRUE	1.90E-18
Overall COPD	WDR35	cg20786514	rs2881879	T	A	-0.168	0.025	0.334	1.19E-11	0.002	0.007	0.823	0.012	45.971	TRUE	1.58E-11
Overall COPD	WDR35	cg22939193	rs16987211	C	T	0.264	0.046	0.070	6.91E-09	-0.032	0.013	0.011	0.009	33.541	TRUE	1.91E-08
Overall COPD	WDR35	cg23516425	rs13006748	C	G	0.213	0.026	0.288	1.43E-16	-0.001	0.008	0.851	0.018	68.233	TRUE	2.24E-16
Overall COPD	WNT4	cg00356045	rs2268177	T	A	0.216	0.031	0.180	2.80E-12	0.000	0.009	0.955	0.013	48.796	TRUE	3.56E-12
Overall COPD	WNT4	cg01781529	rs2235529	T	C	-0.206	0.032	0.163	7.14E-11	-0.004	0.009	0.673	0.011	42.457	TRUE	1.01E-10
Overall COPD	WNT4	cg01781529	rs6673001	A	G	-0.561	0.087	0.017	1.16E-10	-0.027	0.027	0.307	0.011	41.510	TRUE	2.05E-10
Overall COPD	WNT4	cg02839875	rs12135916	G	A	0.164	0.028	0.239	5.08E-09	-0.019	0.008	0.014	0.009	34.141	TRUE	1.37E-08
Overall COPD	WNT4	cg09938164	rs34745135	C	G	0.357	0.037	0.116	8.20E-22	-0.046	0.011	1.47E-05	0.024	92.061	TRUE	1.70E-20
Overall COPD	WNT4	cg09938164	rs4655023	A	C	-0.318	0.044	0.077	3.58E-13	0.007	0.012	0.545	0.014	52.831	TRUE	5.96E-13
Overall COPD	WNT4	cg10606730	rs143040561	T	G	1.058	0.104	0.011	3.37E-24	0.004	0.026	0.871	0.027	102.936	TRUE	7.47E-24
Overall COPD	WNT4	cg12098183	rs56408422	T	C	-0.315	0.032	0.164	1.71E-22	-0.042	0.013	0.001	0.025	95.158	TRUE	2.02E-21
Overall COPD	WNT4	cg15582954	rs56318008	T	C	0.348	0.032	0.153	7.80E-27	0.001	0.009	0.908	0.030	114.955	TRUE	1.95E-26
Overall COPD	WNT4	cg15582954	rs7542242	T	C	-0.170	0.025	0.331	1.02E-11	0.012	0.007	0.086	0.012	46.260	TRUE	2.52E-11
Overall COPD	WNT4	cg17022577	rs10917123	A	G	0.158	0.028	0.223	2.19E-08	0.002	0.008	0.834	0.008	31.300	TRUE	2.64E-08
Overall COPD	WNT4	cg17022577	rs2744755	C	T	-0.147	0.025	0.357	3.75E-09	-0.014	0.007	0.053	0.009	34.733	TRUE	8.51E-09
Overall COPD	WNT4	cg17022577	rs2807356	T	C	-0.155	0.028	0.231	2.40E-08	-0.009	0.008	0.293	0.008	31.123	TRUE	3.84E-08
Overall COPD	WNT4	cg17022577	rs56408422	T	C	-0.452	0.032	0.164	4.52E-44	-0.042	0.013	0.001	0.050	193.777	TRUE	4.96E-42
Overall COPD	WNT4	cg25011003	rs56318008	T	C	0.424	0.032	0.153	2.26E-39	0.001	0.009	0.908	0.044	172.268	TRUE	1.33E-38
Overall COPD	WNT4	cg25011003	rs7542242	T	C	-0.194	0.025	0.331	8.80E-15	0.012	0.007	0.086	0.016	60.116	TRUE	2.62E-14
Overall COPD	WWOX	cg00232445	rs8050128	A	C	-0.140	0.023	0.455	1.90E-09	-0.007	0.007	0.350	0.010	36.055	TRUE	3.07E-09
Overall COPD	WWOX	cg00232445	rs8052888	T	C	-0.170	0.030	0.173	2.26E-08	-0.010	0.010	0.313	0.008	31.239	TRUE	3.57E-08

Overall COPD	WWOX	cg01365766	rs13334444	T	G	-0.337	0.053	0.055	2.14E-10	-0.003	0.015	0.845	0.011	40.316	TRUE	2.71E-10
Overall COPD	WWOX	cg01608400	rs11150082	T	C	0.204	0.028	0.205	7.19E-13	-0.018	0.008	0.030	0.014	51.464	TRUE	2.30E-12
Overall COPD	WWOX	cg01623475	rs11647295	G	A	-0.477	0.034	0.118	1.27E-45	0.007	0.009	0.488	0.052	200.886	TRUE	2.06E-44
Overall COPD	WWOX	cg01630032	rs11648020	G	T	0.383	0.062	0.036	7.31E-10	-0.025	0.015	0.098	0.010	37.916	TRUE	1.57E-09
Overall COPD	WWOX	cg01630032	rs2548875	G	T	0.597	0.028	0.211	1.97E-100	0.015	0.008	0.063	0.109	452.345	TRUE	2.99E-95
Overall COPD	WWOX	cg01630032	rs2548879	C	A	0.811	0.021	0.430	<1E-200	0.005	0.007	0.462	0.295	1546.804	TRUE	6.78E-298
Overall COPD	WWOX	cg01630032	rs2737301	T	C	-0.143	0.024	0.435	2.13E-09	-0.017	0.007	0.013	0.010	35.833	TRUE	5.99E-09
Overall COPD	WWOX	cg01630032	rs2738586	G	A	0.561	0.046	0.078	2.22E-34	-0.014	0.012	0.256	0.039	149.432	TRUE	1.88E-33
Overall COPD	WWOX	cg01630032	rs34466066	G	T	0.217	0.033	0.156	4.28E-11	0.003	0.010	0.720	0.012	43.456	TRUE	5.93E-11
Overall COPD	WWOX	cg01630032	rs34561764	G	C	0.604	0.057	0.048	3.33E-26	-0.003	0.013	0.804	0.029	112.077	TRUE	8.72E-26
Overall COPD	WWOX	cg01630032	rs3751882	G	A	0.376	0.027	0.251	3.78E-44	0.004	0.008	0.582	0.050	194.131	TRUE	4.76E-43
Overall COPD	WWOX	cg01630032	rs67195249	A	T	0.753	0.032	0.137	2.44E-124	0.011	0.010	0.239	0.132	562.170	TRUE	2.17E-117
Overall COPD	WWOX	cg01630032	rs67486703	A	G	-0.168	0.031	0.175	3.72E-08	-0.008	0.009	0.390	0.008	30.272	TRUE	5.54E-08
Overall COPD	WWOX	cg01630032	rs7197349	G	A	0.735	0.036	0.116	1.73E-90	0.016	0.010	0.103	0.099	406.689	TRUE	3.23E-86
Overall COPD	WWOX	cg01630032	rs7206203	C	T	-0.189	0.024	0.444	8.64E-16	-0.008	0.007	0.236	0.017	64.683	TRUE	2.13E-15
Overall COPD	WWOX	cg01630032	rs72794707	T	C	0.688	0.107	0.012	1.29E-10	0.006	0.034	0.859	0.011	41.298	TRUE	1.64E-10
Overall COPD	WWOX	cg01630032	rs73576805	G	T	0.447	0.079	0.024	1.41E-08	-0.004	0.021	0.842	0.009	32.152	TRUE	1.71E-08
Overall COPD	WWOX	cg01630032	rs75887935	C	T	0.334	0.045	0.075	1.87E-13	0.024	0.012	0.055	0.014	54.112	TRUE	5.59E-13
Overall COPD	WWOX	cg01630032	rs78136943	G	A	0.545	0.062	0.036	1.97E-18	0.016	0.018	0.365	0.020	76.676	TRUE	4.89E-18
Overall COPD	WWOX	cg01630032	rs78404304	G	A	-0.463	0.074	0.068	4.96E-10	-0.017	0.013	0.214	0.010	38.674	TRUE	9.22E-10
Overall COPD	WWOX	cg01630032	rs78505173	C	T	0.457	0.077	0.047	2.60E-09	0.026	0.016	0.114	0.009	35.446	TRUE	5.25E-09
Overall COPD	WWOX	cg01630032	rs79798128	T	G	-0.642	0.079	0.054	5.17E-16	0.001	0.016	0.932	0.017	65.693	TRUE	7.58E-16
Overall COPD	WWOX	cg01785566	rs12922764	A	G	-0.145	0.023	0.425	5.33E-10	0.000	0.007	0.977	0.010	38.531	TRUE	6.29E-10
Overall COPD	WWOX	cg02795629	rs4888948	G	C	-0.155	0.026	0.274	4.37E-09	0.010	0.008	0.204	0.009	34.432	TRUE	7.83E-09
Overall COPD	WWOX	cg03601549	rs2738544	T	C	-0.332	0.040	0.098	1.87E-16	-0.001	0.010	0.921	0.018	67.699	TRUE	2.80E-16
Overall COPD	WWOX	cg03601549	rs74593660	T	C	-0.252	0.045	0.074	2.92E-08	0.024	0.012	0.053	0.008	30.744	TRUE	6.25E-08
Overall COPD	WWOX	cg03601549	rs9927678	C	T	-0.137	0.024	0.385	1.02E-08	0.002	0.008	0.770	0.009	32.787	TRUE	1.28E-08
Overall COPD	WWOX	cg04609912	rs114476113	A	G	-0.741	0.097	0.016	2.40E-14	0.014	0.031	0.648	0.015	58.139	TRUE	3.93E-14
Overall COPD	WWOX	cg04609912	rs145205608	C	G	-0.408	0.074	0.024	3.86E-08	0.010	0.021	0.637	0.008	30.205	TRUE	5.04E-08
Overall COPD	WWOX	cg04609912	rs4530150	A	G	0.253	0.041	0.087	8.68E-10	0.003	0.011	0.818	0.010	37.580	TRUE	1.10E-09
Overall COPD	WWOX	cg04609912	rs59274620	C	T	-0.249	0.044	0.068	1.76E-08	0.002	0.013	0.905	0.009	31.726	TRUE	2.06E-08
Overall COPD	WWOX	cg04609912	rs8048266	C	A	0.140	0.024	0.400	4.00E-09	0.006	0.007	0.408	0.009	34.607	TRUE	6.13E-09
Overall COPD	WWOX	cg04609912	rs8052888	T	C	0.284	0.031	0.173	1.18E-20	-0.010	0.010	0.313	0.023	86.793	TRUE	3.50E-20
Overall COPD	WWOX	cg04609912	rs9928690	G	A	-0.139	0.024	0.402	4.02E-09	0.000	0.007	0.996	0.009	34.594	TRUE	4.60E-09
Overall COPD	WWOX	cg04609912	rs9940348	T	C	-0.606	0.032	0.149	1.09E-80	-0.012	0.009	0.195	0.089	361.688	TRUE	2.75E-77
Overall COPD	WWOX	cg06252160	rs67933378	A	G	-0.184	0.032	0.159	6.54E-09	0.000	0.009	0.978	0.009	33.650	TRUE	7.49E-09
Overall COPD	WWOX	cg07207813	rs16947616	G	A	-0.838	0.097	0.015	8.03E-18	-0.020	0.031	0.515	0.020	73.906	TRUE	1.69E-17
Overall COPD	WWOX	cg07207813	rs4888815	G	C	-0.188	0.025	0.310	4.69E-14	-0.002	0.008	0.756	0.015	56.826	TRUE	7.08E-14
Overall COPD	WWOX	cg07207813	rs58980559	G	A	-0.323	0.036	0.122	2.22E-19	-0.014	0.009	0.120	0.021	80.986	TRUE	8.21E-19
Overall COPD	WWOX	cg07207813	rs7189823	T	G	-0.956	0.041	0.082	5.28E-119	-0.011	0.012	0.340	0.127	537.656	TRUE	1.08E-112
Overall COPD	WWOX	cg07207813	rs7193816	A	G	-0.221	0.040	0.096	3.74E-08	-0.011	0.010	0.277	0.008	30.262	TRUE	6.01E-08
Overall COPD	WWOX	cg07493562	rs28529286	T	C	0.471	0.065	0.066	4.50E-13	-0.013	0.017	0.431	0.014	52.384	TRUE	8.06E-13

Overall COPD	WWOX	cg07493562	rs4430758	G	A	-0.166	0.027	0.248	6.56E-10	-0.007	0.009	0.421	0.010	38.126	TRUE	1.03E-09
Overall COPD	WWOX	cg07674304	rs11640157	A	C	-0.397	0.059	0.041	1.21E-11	-0.016	0.016	0.305	0.012	45.927	TRUE	2.24E-11
Overall COPD	WWOX	cg07674304	rs12446075	G	A	-0.148	0.025	0.295	5.78E-09	-0.009	0.007	0.226	0.009	33.888	TRUE	1.01E-08
Overall COPD	WWOX	cg07674304	rs12598440	C	T	-0.271	0.023	0.453	1.62E-31	0.000	0.007	0.978	0.036	136.336	TRUE	5.08E-31
Overall COPD	WWOX	cg07674304	rs12929743	C	G	-0.162	0.028	0.225	1.17E-08	0.004	0.009	0.664	0.009	32.511	TRUE	1.54E-08
Overall COPD	WWOX	cg07674304	rs12931246	C	G	-0.225	0.033	0.144	5.31E-12	-0.004	0.009	0.633	0.013	47.542	TRUE	7.98E-12
Overall COPD	WWOX	cg07674304	rs149327916	A	T	-0.738	0.093	0.015	1.81E-15	-0.011	0.020	0.567	0.017	63.227	TRUE	3.28E-15
Overall COPD	WWOX	cg07674304	rs2738552	C	G	-0.249	0.034	0.139	4.14E-13	0.007	0.010	0.470	0.014	52.546	TRUE	7.23E-13
Overall COPD	WWOX	cg07674304	rs2738740	G	T	-0.348	0.040	0.094	2.60E-18	0.008	0.012	0.481	0.020	76.127	TRUE	5.77E-18
Overall COPD	WWOX	cg07674304	rs3743681	A	C	-0.959	0.038	0.101	2.10E-142	-0.015	0.011	0.149	0.149	645.179	TRUE	1.99E-133
Overall COPD	WWOX	cg07674304	rs4513111	T	C	-0.558	0.043	0.077	9.99E-38	-0.015	0.012	0.209	0.043	164.735	TRUE	1.23E-36
Overall COPD	WWOX	cg07674304	rs62034038	A	G	-0.333	0.060	0.039	3.27E-08	0.026	0.025	0.287	0.008	30.524	TRUE	5.23E-08
Overall COPD	WWOX	cg07674304	rs9923563	C	T	-0.245	0.028	0.226	1.78E-18	-0.007	0.008	0.364	0.020	76.881	TRUE	4.42E-18
Overall COPD	WWOX	cg08173834	rs28609420	G	T	-0.293	0.053	0.055	4.30E-08	-0.024	0.015	0.111	0.008	29.993	TRUE	8.14E-08
Overall COPD	WWOX	cg08173834	rs74029558	A	C	-0.909	0.109	0.012	8.03E-17	0.010	0.031	0.746	0.018	69.364	TRUE	1.37E-16
Overall COPD	WWOX	cg08748098	rs9940608	T	C	-0.548	0.047	0.119	5.22E-31	0.004	0.011	0.736	0.035	134.018	TRUE	1.96E-30
Overall COPD	WWOX	cg09437479	rs1877281	A	G	-0.211	0.028	0.212	7.25E-14	-0.017	0.008	0.033	0.015	55.969	TRUE	2.45E-13
Overall COPD	WWOX	cg09437479	rs61359464	T	A	-1.259	0.130	0.011	3.04E-22	0.008	0.046	0.867	0.025	94.021	TRUE	6.12E-22
Overall COPD	WWOX	cg09466698	rs117085835	A	G	-0.475	0.071	0.024	2.66E-11	-0.029	0.018	0.118	0.012	44.388	TRUE	6.00E-11
Overall COPD	WWOX	cg09466698	rs11864315	T	C	-0.173	0.028	0.202	1.13E-09	-0.003	0.008	0.720	0.010	37.061	TRUE	1.50E-09
Overall COPD	WWOX	cg09466698	rs36098342	G	C	-0.302	0.026	0.302	8.30E-32	0.007	0.007	0.307	0.036	137.667	TRUE	5.29E-31
Overall COPD	WWOX	cg09466698	rs3751773	T	C	0.200	0.024	0.493	2.21E-17	0.005	0.007	0.441	0.019	71.908	TRUE	4.83E-17
Overall COPD	WWOX	cg09466698	rs4888752	T	A	0.199	0.026	0.266	2.49E-14	-0.007	0.007	0.370	0.015	58.071	TRUE	4.97E-14
Overall COPD	WWOX	cg09466698	rs7190035	C	T	0.214	0.025	0.316	8.80E-18	-0.009	0.008	0.272	0.020	73.724	TRUE	2.32E-17
Overall COPD	WWOX	cg09466698	rs7200742	T	C	-0.728	0.027	0.221	1.06E-160	0.008	0.008	0.349	0.165	729.272	TRUE	5.73E-150
Overall COPD	WWOX	cg09466698	rs7204985	A	G	0.201	0.025	0.307	3.03E-15	-0.006	0.007	0.387	0.017	62.211	TRUE	6.24E-15
Overall COPD	WWOX	cg09466698	rs72806827	A	G	0.230	0.034	0.139	9.40E-12	-0.015	0.011	0.154	0.012	46.424	TRUE	2.06E-11
Overall COPD	WWOX	cg09466698	rs9928004	C	A	0.188	0.024	0.432	2.51E-15	0.002	0.007	0.745	0.017	62.586	TRUE	4.01E-15
Overall COPD	WWOX	cg09466698	rs9933874	T	A	0.219	0.037	0.109	3.54E-09	-0.002	0.011	0.868	0.009	34.840	TRUE	4.30E-09
Overall COPD	WWOX	cg10001715	rs2077576	C	T	-0.248	0.041	0.088	1.32E-09	0.009	0.012	0.474	0.010	36.758	TRUE	1.99E-09
Overall COPD	WWOX	cg10001715	rs35272142	A	C	0.174	0.031	0.177	2.64E-08	0.014	0.008	0.106	0.008	30.936	TRUE	5.11E-08
Overall COPD	WWOX	cg10001715	rs4074541	C	A	-0.222	0.025	0.309	5.93E-19	-0.001	0.007	0.855	0.021	79.047	TRUE	1.03E-18
Overall COPD	WWOX	cg10001715	rs7199349	G	T	-0.405	0.024	0.379	1.91E-64	-0.013	0.007	0.074	0.072	287.158	TRUE	7.47E-62
Overall COPD	WWOX	cg10001715	rs72792342	G	T	-0.745	0.049	0.050	1.73E-51	0.004	0.015	0.771	0.058	227.753	TRUE	3.55E-50
Overall COPD	WWOX	cg10001715	rs72803903	T	C	-0.667	0.115	0.012	6.78E-09	-0.059	0.035	0.088	0.009	33.580	TRUE	1.40E-08
Overall COPD	WWOX	cg10466626	rs11641434	C	T	-0.293	0.038	0.092	2.07E-14	0.015	0.012	0.224	0.016	58.434	TRUE	4.80E-14
Overall COPD	WWOX	cg10466626	rs12446679	T	G	-0.752	0.094	0.029	1.09E-15	0.024	0.022	0.282	0.017	64.234	TRUE	2.52E-15
Overall COPD	WWOX	cg10855967	rs11545028	T	C	-0.522	0.024	0.345	4.55E-102	0.001	0.007	0.884	0.111	459.863	TRUE	1.12E-97
Overall COPD	WWOX	cg10855967	rs17775590	T	G	0.240	0.028	0.216	1.61E-17	-0.008	0.008	0.326	0.019	72.535	TRUE	3.94E-17
Overall COPD	WWOX	cg10855967	rs71396130	A	G	-0.235	0.025	0.304	1.23E-20	0.015	0.008	0.043	0.023	86.712	TRUE	6.36E-20
Overall COPD	WWOX	cg10855967	rs719743	C	A	0.182	0.026	0.275	1.86E-12	-0.006	0.007	0.395	0.013	49.601	TRUE	3.33E-12
Overall COPD	WWOX	cg10855967	rs72800913	G	A	0.220	0.035	0.131	2.27E-10	0.001	0.010	0.938	0.011	40.201	TRUE	2.75E-10

Overall COPD	WWOX	cg10855967	rs75606626	A	G	-0.401	0.058	0.042	3.23E-12	0.023	0.016	0.170	0.013	48.519	TRUE	7.10E-12
Overall COPD	WWOX	cg10855967	rs8049744	A	T	-0.383	0.062	0.037	7.56E-10	-0.023	0.020	0.251	0.010	37.849	TRUE	1.35E-09
Overall COPD	WWOX	cg10855967	rs889418	A	G	-0.254	0.030	0.189	1.82E-17	0.013	0.009	0.121	0.019	72.288	TRUE	5.94E-17
Overall COPD	WWOX	cg16747717	rs4888775	G	A	-0.131	0.023	0.392	2.33E-08	0.004	0.007	0.604	0.008	31.179	TRUE	3.12E-08
Overall COPD	WWOX	cg16747717	rs78481124	T	C	-0.936	0.130	0.010	6.49E-13	0.015	0.026	0.556	0.014	51.664	TRUE	1.06E-12
Overall COPD	WWOX	cg26691179	rs55663738	T	C	-0.193	0.035	0.132	3.81E-08	0.001	0.010	0.905	0.008	30.226	TRUE	4.43E-08
Overall COPD	WWOX	cg26691179	rs77451018	C	T	0.183	0.032	0.166	6.90E-09	0.010	0.009	0.250	0.009	33.544	TRUE	1.17E-08
Overall COPD	WWOX	cg26691179	rs9319519	A	G	-0.224	0.024	0.400	6.07E-21	-0.007	0.007	0.289	0.023	88.100	TRUE	1.89E-20
Overall COPD	WWOX	cg27002639	rs78668939	T	C	-0.608	0.097	0.012	2.95E-10	0.015	0.025	0.551	0.011	39.686	TRUE	4.35E-10
Overall COPD	WWOX	cg27109907	rs7205541	A	G	0.184	0.024	0.401	1.32E-14	0.007	0.007	0.370	0.016	59.311	TRUE	2.68E-14
Overall COPD	ZSWIM2	cg05907046	rs10210806	G	A	0.456	0.043	0.089	1.08E-26	0.019	0.013	0.139	0.030	114.317	TRUE	6.32E-26
Overall COPD	ZSWIM2	cg13135031	rs28740839	G	A	0.342	0.043	0.088	9.84E-16	0.027	0.012	0.028	0.017	64.427	TRUE	3.92E-15
Overall COPD	ZSWIM2	cg14762973	rs13428262	A	G	0.307	0.043	0.087	9.07E-13	0.028	0.012	0.027	0.014	51.007	TRUE	2.94E-12
Overall COPD	ZSWIM2	cg16516691	rs16828310	G	A	0.301	0.043	0.086	1.98E-12	0.024	0.012	0.053	0.013	49.477	TRUE	5.58E-12
Overall COPD	ZSWIM2	cg18950539	rs28740839	G	A	0.289	0.043	0.088	1.22E-11	0.027	0.012	0.028	0.012	45.907	TRUE	3.64E-11
Overall COPD	ZSWIM2	cg19535896	rs10207373	C	T	0.131	0.024	0.421	3.28E-08	-0.004	0.007	0.575	0.008	30.519	TRUE	4.42E-08
Overall COPD	ZSWIM2	cg19535896	rs10469728	G	A	0.136	0.024	0.435	7.21E-09	0.009	0.007	0.170	0.009	33.460	TRUE	1.32E-08
Overall COPD	ZSWIM2	cg19535896	rs114925704	G	A	0.432	0.067	0.034	1.34E-10	0.023	0.020	0.260	0.011	41.227	TRUE	2.46E-10
Overall COPD	ZSWIM2	cg19535896	rs12479096	G	T	0.423	0.050	0.058	5.13E-17	-0.005	0.015	0.754	0.019	70.250	TRUE	8.75E-17
Overall COPD	ZSWIM2	cg19535896	rs2682865	G	A	0.278	0.032	0.161	1.41E-18	0.008	0.010	0.405	0.020	77.335	TRUE	3.39E-18
Overall COPD	ZSWIM2	cg19535896	rs28740839	G	A	0.985	0.041	0.088	1.43E-127	0.027	0.012	0.028	0.135	577.022	TRUE	1.09E-119
Overall COPD	ZSWIM2	cg19535896	rs575161412	T	G	0.357	0.055	0.050	7.44E-11	0.022	0.017	0.187	0.011	42.376	TRUE	1.49E-10
Overall COPD	ZSWIM2	cg19535896	rs7578256	A	G	0.611	0.074	0.025	1.01E-16	-0.033	0.020	0.093	0.018	68.907	TRUE	3.36E-16
Overall COPD	ZSWIM2	cg24617723	rs13428262	A	G	0.603	0.043	0.087	1.04E-45	0.028	0.012	0.027	0.052	201.270	TRUE	6.06E-44
Overall COPD	ZSWIM2	cg24617723	rs7592188	G	A	-0.157	0.024	0.351	1.29E-10	0.008	0.007	0.264	0.011	41.294	TRUE	2.36E-10
Overall COPD	ZSWIM2	cg26033349	rs10164824	A	C	0.252	0.039	0.104	7.50E-11	0.004	0.012	0.748	0.011	42.361	TRUE	1.02E-10
Overall COPD	ZSWIM2	cg26033349	rs3114949	C	T	0.327	0.024	0.415	6.70E-43	0.001	0.007	0.883	0.048	188.415	TRUE	5.42E-42
Overall COPD	ZSWIM2	cg26033349	rs3816375	G	A	-0.155	0.024	0.382	1.21E-10	-0.010	0.007	0.161	0.011	41.425	TRUE	2.47E-10
Overall COPD	ZSWIM2	cg26033349	rs55729358	C	A	0.152	0.025	0.302	1.97E-09	-0.007	0.008	0.408	0.010	35.985	TRUE	3.06E-09
Overall COPD	ZSWIM2	cg26033349	rs6756417	G	A	-0.134	0.025	0.350	4.55E-08	0.004	0.007	0.577	0.008	29.884	TRUE	6.11E-08
COPD in ever smokers	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	0.019	0.019	0.327	0.009	33.777	TRUE	2.74E-08
COPD in ever smokers	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	0.006	0.019	0.764	0.026	99.595	TRUE	1.94E-22
COPD in ever smokers	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	0.002	0.022	0.935	0.024	91.104	TRUE	8.13E-21
COPD in ever smokers	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	0.006	0.017	0.719	0.023	85.706	TRUE	1.69E-19
COPD in ever smokers	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	-0.010	0.017	0.566	0.096	394.415	TRUE	9.50E-82
COPD in ever smokers	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	-0.005	0.018	0.782	0.012	45.752	TRUE	3.89E-11
COPD in ever smokers	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	0.006	0.022	0.783	0.024	91.003	TRUE	1.16E-20
COPD in ever smokers	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	0.017	0.018	0.358	0.166	735.001	TRUE	2.50E-146
COPD in ever smokers	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	-0.009	0.026	0.736	0.021	80.430	TRUE	2.07E-18
COPD in ever smokers	ACSL1	cg01714284	rs11732302	C	T	0.552	0.081	0.022	1.22E-11	-0.002	0.052	0.972	0.012	45.921	TRUE	2.72E-11
COPD in ever smokers	ACSL1	cg01714284	rs13127985	C	T	0.255	0.024	0.390	8.92E-26	-0.019	0.015	0.207	0.029	110.128	TRUE	6.48E-24
COPD in ever smokers	ACSL1	cg01714284	rs2696051	G	T	-0.214	0.029	0.212	9.70E-14	0.017	0.018	0.340	0.015	55.398	TRUE	8.06E-13

COPD in ever smokers	ACSL1	cg01714284	rs7686479	C	T	-0.660	0.034	0.141	7.75E-85	-0.005	0.021	0.813	0.093	380.740	TRUE	1.62E-79
COPD in ever smokers	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	0.006	0.019	0.764	0.009	32.239	TRUE	3.04E-08
COPD in ever smokers	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	0.011	0.017	0.497	0.012	44.331	TRUE	1.21E-10
COPD in ever smokers	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	0.002	0.022	0.935	0.012	43.529	TRUE	9.30E-11
COPD in ever smokers	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	-0.005	0.021	0.802	0.019	72.679	TRUE	7.71E-17
COPD in ever smokers	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	0.017	0.018	0.358	0.008	30.509	TRUE	1.26E-07
COPD in ever smokers	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	0.031	0.015	0.041	0.064	253.540	TRUE	4.65E-52
COPD in ever smokers	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	0.015	0.015	0.317	0.011	42.716	TRUE	3.75E-10
COPD in ever smokers	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	0.006	0.019	0.764	0.010	38.437	TRUE	1.44E-09
COPD in ever smokers	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	-0.004	0.015	0.817	0.012	44.293	TRUE	7.54E-11
COPD in ever smokers	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	-0.008	0.020	0.706	0.020	74.207	TRUE	4.41E-17
COPD in ever smokers	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	0.019	0.015	0.193	0.014	53.493	TRUE	3.04E-12
COPD in ever smokers	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	-0.024	0.042	0.564	0.010	36.790	TRUE	4.27E-09
COPD in ever smokers	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	0.004	0.015	0.811	0.009	34.512	TRUE	9.31E-09
COPD in ever smokers	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	0.047	0.034	0.166	0.011	42.884	TRUE	5.22E-10
COPD in ever smokers	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	-0.009	0.020	0.634	0.064	251.555	TRUE	2.08E-53
COPD in ever smokers	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	-0.009	0.020	0.669	0.016	59.617	TRUE	5.46E-14
COPD in ever smokers	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	0.022	0.015	0.147	0.017	63.888	TRUE	2.62E-14
COPD in ever smokers	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	0.010	0.018	0.556	0.022	82.999	TRUE	8.75E-19
COPD in ever smokers	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	0.006	0.019	0.764	0.009	34.235	TRUE	1.13E-08
COPD in ever smokers	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	0.016	0.018	0.373	0.072	284.859	TRUE	1.28E-59
COPD in ever smokers	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	0.015	0.015	0.317	0.014	51.736	TRUE	4.93E-12
COPD in ever smokers	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	0.011	0.016	0.485	0.016	59.829	TRUE	6.96E-14
COPD in ever smokers	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	0.004	0.015	0.770	0.010	37.355	TRUE	2.43E-09
COPD in ever smokers	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	0.012	0.017	0.505	0.008	31.397	TRUE	6.48E-08
COPD in ever smokers	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	0.004	0.016	0.822	0.014	52.455	TRUE	1.38E-12
COPD in ever smokers	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	-0.002	0.023	0.927	0.008	29.901	TRUE	7.95E-08
COPD in ever smokers	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	0.019	0.015	0.193	0.019	72.925	TRUE	2.98E-16
COPD in ever smokers	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	-0.005	0.017	0.764	0.012	43.708	TRUE	1.08E-10
COPD in ever smokers	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	0.016	0.017	0.352	0.016	58.274	TRUE	1.97E-13
COPD in ever smokers	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	-0.009	0.020	0.636	0.075	300.418	TRUE	3.14E-63
COPD in ever smokers	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	-0.016	0.016	0.319	0.017	64.683	TRUE	9.97E-15
COPD in ever smokers	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	-0.012	0.016	0.477	0.012	43.544	TRUE	1.84E-10
COPD in ever smokers	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	-0.042	0.036	0.234	0.041	156.423	TRUE	2.03E-33
COPD in ever smokers	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	0.052	0.026	0.050	0.031	119.299	TRUE	2.95E-25
COPD in ever smokers	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	-0.010	0.029	0.725	0.012	43.327	TRUE	1.38E-10
COPD in ever smokers	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	-0.012	0.018	0.496	0.037	141.017	TRUE	1.04E-30
COPD in ever smokers	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	0.053	0.019	0.004	0.016	58.597	TRUE	1.76E-12
COPD in ever smokers	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	0.031	0.038	0.405	0.010	38.610	TRUE	2.28E-09
COPD in ever smokers	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	0.088	0.048	0.066	0.019	70.217	TRUE	2.22E-15
COPD in ever smokers	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	0.066	0.028	0.021	0.152	661.492	TRUE	4.11E-130
COPD in ever smokers	AKT1	cg02884928	rs3001410	T	C	-0.206	0.030	0.205	4.76E-12	0.004	0.018	0.820	0.013	47.756	TRUE	1.38E-11

COPD in ever smokers	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	-0.005	0.016	0.764	0.070	276.632	TRUE	1.15E-58
COPD in ever smokers	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	-0.008	0.016	0.639	0.023	88.465	TRUE	5.31E-20
COPD in ever smokers	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	0.016	0.015	0.282	0.012	45.134	TRUE	1.27E-10
COPD in ever smokers	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	0.052	0.026	0.049	0.010	36.908	TRUE	1.60E-08
COPD in ever smokers	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	-0.018	0.025	0.463	0.009	33.914	TRUE	2.02E-08
COPD in ever smokers	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	-0.003	0.021	0.875	0.008	31.381	TRUE	4.05E-08
COPD in ever smokers	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	0.018	0.023	0.430	0.015	57.467	TRUE	2.43E-13
COPD in ever smokers	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	0.031	0.027	0.253	0.013	48.421	TRUE	2.84E-11
COPD in ever smokers	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	0.045	0.016	0.005	0.046	176.802	TRUE	4.82E-36
COPD in ever smokers	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	0.031	0.038	0.405	0.009	34.600	TRUE	1.60E-08
COPD in ever smokers	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	0.088	0.048	0.066	0.022	81.931	TRUE	9.15E-18
COPD in ever smokers	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	0.067	0.028	0.019	0.172	768.220	TRUE	8.83E-150
COPD in ever smokers	AKT1	cg14274357	rs3001410	T	C	-0.195	0.030	0.205	6.09E-11	0.004	0.018	0.820	0.011	42.770	TRUE	1.58E-10
COPD in ever smokers	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.003	0.025	0.907	0.008	30.293	TRUE	6.69E-08
COPD in ever smokers	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	-0.005	0.016	0.764	0.072	285.448	TRUE	1.95E-60
COPD in ever smokers	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	0.064	0.017	1.96E-04	0.011	41.425	TRUE	1.12E-08
COPD in ever smokers	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	0.016	0.015	0.302	0.101	413.893	TRUE	6.32E-85
COPD in ever smokers	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	-0.012	0.018	0.496	0.008	30.375	TRUE	1.08E-07
COPD in ever smokers	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	0.042	0.016	0.008	0.014	52.272	TRUE	2.54E-11
COPD in ever smokers	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	0.016	0.015	0.302	0.016	61.080	TRUE	5.83E-14
COPD in ever smokers	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	-0.012	0.018	0.496	0.021	80.776	TRUE	2.91E-18
COPD in ever smokers	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	0.032	0.019	0.095	0.020	75.339	TRUE	1.58E-16
COPD in ever smokers	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	0.051	0.019	0.007	0.118	494.977	TRUE	4.46E-98
COPD in ever smokers	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	-0.011	0.016	0.486	0.010	37.335	TRUE	3.69E-09
COPD in ever smokers	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	-0.023	0.015	0.119	0.015	55.388	TRUE	1.68E-12
COPD in ever smokers	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	0.025	0.023	0.271	0.012	44.314	TRUE	1.94E-10
COPD in ever smokers	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	0.029	0.022	0.185	0.010	35.929	TRUE	1.36E-08
COPD in ever smokers	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	-0.029	0.015	0.053	0.050	194.325	TRUE	2.25E-40
COPD in ever smokers	ALDH16A1	cg15388895	rs12975598	A	G	0.230	0.023	0.413	1.01E-22	-0.023	0.015	0.133	0.025	96.209	TRUE	6.74E-21
COPD in ever smokers	ALOX5	cg01464748	rs11239564	C	A	-0.172	0.027	0.238	1.06E-10	0.025	0.017	0.144	0.011	41.686	TRUE	9.98E-10
COPD in ever smokers	ALOX5	cg02070873	rs112294514	A	G	0.490	0.084	0.020	4.87E-09	-0.057	0.054	0.289	0.009	34.224	TRUE	2.38E-08
COPD in ever smokers	ALOX5	cg02070873	rs117076733	C	T	0.568	0.102	0.011	2.81E-08	0.014	0.055	0.798	0.008	30.817	TRUE	5.88E-08
COPD in ever smokers	ALOX5	cg02070873	rs2050783	C	T	0.403	0.032	0.157	3.72E-36	0.023	0.021	0.267	0.041	157.548	TRUE	1.02E-33
COPD in ever smokers	ALOX5	cg02070873	rs61854124	C	T	0.294	0.032	0.161	1.64E-20	0.038	0.020	0.057	0.023	86.142	TRUE	1.40E-18
COPD in ever smokers	ALOX5	cg02070873	rs61855770	A	G	-0.149	0.024	0.362	8.57E-10	-0.030	0.016	0.056	0.010	37.606	TRUE	1.09E-08
COPD in ever smokers	ALOX5	cg05026102	rs1970402	C	T	0.306	0.047	0.067	9.99E-11	0.023	0.030	0.440	0.011	41.801	TRUE	4.57E-10
COPD in ever smokers	ALOX5	cg06935264	rs11239532	T	C	0.179	0.031	0.178	5.80E-09	0.026	0.020	0.185	0.009	33.881	TRUE	3.62E-08
COPD in ever smokers	ALOX5	cg07355189	rs61852601	G	T	-0.149	0.024	0.493	2.92E-10	0.012	0.015	0.406	0.011	39.703	TRUE	1.34E-09
COPD in ever smokers	ALOX5	cg07355189	rs7074524	G	A	-0.367	0.027	0.235	3.27E-43	0.025	0.017	0.142	0.049	189.841	TRUE	6.31E-40
COPD in ever smokers	ALOX5	cg09832911	rs11239564	C	A	-0.265	0.027	0.238	2.70E-23	0.025	0.017	0.144	0.026	98.812	TRUE	1.85E-21
COPD in ever smokers	ALOX5	cg09832911	rs4948948	T	G	-0.138	0.024	0.467	5.07E-09	0.015	0.015	0.316	0.009	34.143	TRUE	2.35E-08
COPD in ever smokers	ALOX5	cg10520070	rs4949003	A	G	0.159	0.026	0.252	6.26E-10	0.026	0.017	0.127	0.010	38.218	TRUE	5.55E-09

COPD in ever smokers	ALOX5	cg10909790	rs11239591	A	G	0.159	0.027	0.233	2.98E-09	0.024	0.017	0.163	0.009	35.181	TRUE	2.08E-08
COPD in ever smokers	ALOX5	cg15590007	rs10900143	C	T	0.205	0.033	0.150	8.76E-10	-0.003	0.021	0.887	0.010	37.563	TRUE	1.88E-09
COPD in ever smokers	ALOX5	cg15590007	rs11239364	C	A	-0.264	0.024	0.410	8.45E-29	-0.018	0.015	0.240	0.032	123.926	TRUE	8.34E-27
COPD in ever smokers	ALOX5	cg15590007	rs11239542	T	C	-0.268	0.030	0.168	3.22E-19	-0.027	0.019	0.169	0.021	80.252	TRUE	1.03E-17
COPD in ever smokers	ALOX5	cg15590007	rs117190450	C	T	0.941	0.132	0.021	8.88E-13	0.053	0.067	0.424	0.014	51.051	TRUE	5.41E-12
COPD in ever smokers	ALOX5	cg15590007	rs117719497	C	A	0.792	0.109	0.013	3.22E-13	0.005	0.059	0.934	0.014	53.038	TRUE	8.75E-13
COPD in ever smokers	ALOX5	cg15590007	rs11817356	A	G	-0.144	0.024	0.410	1.65E-09	0.009	0.015	0.561	0.010	36.328	TRUE	5.37E-09
COPD in ever smokers	ALOX5	cg15590007	rs12781186	G	A	-0.421	0.046	0.064	7.93E-20	-0.012	0.030	0.691	0.022	83.024	TRUE	6.49E-19
COPD in ever smokers	ALOX5	cg15590007	rs1888983	C	T	0.239	0.026	0.291	3.90E-20	0.009	0.016	0.578	0.022	84.426	TRUE	4.20E-19
COPD in ever smokers	ALOX5	cg15590007	rs201023540	A	C	0.353	0.034	0.130	9.22E-25	-0.003	0.022	0.880	0.028	105.500	TRUE	8.89E-24
COPD in ever smokers	ALOX5	cg15590007	rs3928069	C	T	0.748	0.035	0.134	2.06E-102	0.029	0.022	0.201	0.111	461.442	TRUE	8.23E-94
COPD in ever smokers	ALOX5	cg15590007	rs4363546	A	C	-0.191	0.024	0.417	6.20E-16	-0.008	0.015	0.578	0.017	65.338	TRUE	4.07E-15
COPD in ever smokers	ALOX5	cg15590007	rs4948646	T	C	0.231	0.029	0.218	8.76E-16	0.003	0.018	0.885	0.017	64.656	TRUE	3.27E-15
COPD in ever smokers	ALOX5	cg15590007	rs4948910	C	T	0.155	0.027	0.247	1.04E-08	-0.002	0.017	0.918	0.009	32.746	TRUE	1.95E-08
COPD in ever smokers	ALOX5	cg15590007	rs4948921	A	G	0.196	0.035	0.128	2.95E-08	-0.040	0.024	0.100	0.008	30.720	TRUE	2.19E-07
COPD in ever smokers	ALOX5	cg15590007	rs72796499	G	A	1.070	0.124	0.017	5.99E-18	-0.029	0.064	0.643	0.020	74.483	TRUE	4.37E-17
COPD in ever smokers	ALOX5	cg15590007	rs76852561	T	C	0.924	0.106	0.015	2.25E-18	-0.028	0.071	0.689	0.020	76.417	TRUE	1.57E-17
COPD in ever smokers	ALOX5	cg16831085	rs7089063	A	C	0.166	0.027	0.241	9.85E-10	0.014	0.018	0.436	0.010	37.335	TRUE	4.01E-09
COPD in ever smokers	ALOX5	cg23054840	rs112294514	A	G	0.502	0.084	0.020	2.17E-09	-0.057	0.054	0.289	0.010	35.797	TRUE	1.12E-08
COPD in ever smokers	ALOX5	cg23054840	rs11239540	C	T	-0.191	0.032	0.154	3.85E-09	0.040	0.021	0.054	0.009	34.681	TRUE	4.35E-08
COPD in ever smokers	ALOX5	cg23054840	rs11239564	C	A	0.503	0.026	0.238	1.48E-81	0.025	0.017	0.144	0.090	365.676	TRUE	6.75E-75
COPD in ever smokers	ALOX5	cg23054840	rs12414122	T	C	-0.180	0.030	0.169	2.04E-09	-0.025	0.019	0.195	0.010	35.920	TRUE	1.33E-08
COPD in ever smokers	ALOX5	cg23054840	rs4948656	C	T	0.205	0.024	0.465	4.88E-18	0.012	0.015	0.408	0.020	74.890	TRUE	6.01E-17
COPD in ever smokers	ALOX5	cg23054840	rs72782417	G	A	0.291	0.050	0.054	7.84E-09	-0.019	0.032	0.555	0.009	33.295	TRUE	2.38E-08
COPD in ever smokers	ALOX5	cg23084016	rs10751373	A	G	0.303	0.024	0.468	7.47E-38	0.019	0.015	0.206	0.043	165.313	TRUE	3.70E-35
COPD in ever smokers	ALOX5	cg23084016	rs10900142	T	G	0.200	0.034	0.131	3.25E-09	0.022	0.022	0.311	0.009	35.008	TRUE	1.56E-08
COPD in ever smokers	ALOX5	cg23084016	rs11239564	C	A	0.722	0.026	0.238	3.93E-176	0.025	0.017	0.144	0.178	800.202	TRUE	2.38E-157
COPD in ever smokers	ALOX5	cg23084016	rs12414122	T	C	-0.360	0.030	0.169	1.33E-33	-0.025	0.019	0.195	0.038	145.868	TRUE	3.52E-31
COPD in ever smokers	ALOX5	cg23084016	rs141914431	A	G	0.600	0.071	0.027	2.09E-17	0.030	0.045	0.507	0.019	72.021	TRUE	1.89E-16
COPD in ever smokers	ALOX5	cg23084016	rs75345240	A	G	0.403	0.058	0.043	2.60E-12	0.006	0.035	0.861	0.013	48.940	TRUE	7.26E-12
COPD in ever smokers	ALOX5	cg24302529	rs11239542	T	C	0.209	0.030	0.168	3.23E-12	-0.027	0.019	0.169	0.013	48.515	TRUE	3.54E-11
COPD in ever smokers	ALOX5	cg24302529	rs11239564	C	A	-0.562	0.026	0.238	8.64E-103	0.025	0.017	0.144	0.111	463.174	TRUE	7.09E-94
COPD in ever smokers	ALOX5	cg24302529	rs17768548	C	T	0.262	0.043	0.163	1.39E-09	-0.035	0.020	0.083	0.010	36.660	TRUE	1.43E-08
COPD in ever smokers	ALOX5	cg24302529	rs34960345	T	C	0.635	0.046	0.064	1.13E-43	-0.012	0.029	0.681	0.049	191.963	TRUE	2.19E-41
COPD in ever smokers	ALOX5	cg24302529	rs4948953	A	G	-0.339	0.024	0.409	2.73E-46	0.017	0.015	0.250	0.052	203.938	TRUE	4.41E-43
COPD in ever smokers	ALOX5	cg24302529	rs60086741	C	T	-0.339	0.051	0.055	2.80E-11	-0.008	0.033	0.814	0.012	44.289	TRUE	7.58E-11
COPD in ever smokers	ALOX5	cg26291600	rs10793588	G	A	-0.146	0.024	0.465	5.61E-10	0.016	0.015	0.284	0.010	38.432	TRUE	3.17E-09
COPD in ever smokers	ALOX5	cg26291600	rs7074524	G	A	-0.248	0.027	0.235	1.27E-20	0.025	0.017	0.142	0.023	86.648	TRUE	5.77E-19
COPD in ever smokers	ALOX5	cg27243389	rs11239532	T	C	0.214	0.030	0.178	1.64E-12	0.026	0.020	0.185	0.013	49.846	TRUE	1.78E-11
COPD in ever smokers	ALOX5	cg27243389	rs3844163	A	G	0.219	0.035	0.135	4.60E-10	0.025	0.022	0.264	0.010	38.819	TRUE	2.76E-09
COPD in ever smokers	AP1M2	cg01562385	rs12609501	G	T	0.288	0.025	0.294	8.29E-31	-0.034	0.016	0.035	0.035	133.100	TRUE	6.34E-28
COPD in ever smokers	AP1M2	cg01562385	rs34516961	G	A	0.223	0.031	0.158	1.27E-12	-0.007	0.020	0.740	0.013	50.342	TRUE	4.40E-12

COPD in ever smokers	AP1M2	cg01562385	rs7252007	T	C	-0.238	0.033	0.145	9.34E-13	-0.037	0.022	0.085	0.014	50.951	TRUE	1.66E-11
COPD in ever smokers	AP1M2	cg01654627	rs78671428	T	G	-0.451	0.041	0.082	8.23E-28	-0.068	0.027	0.011	0.031	119.413	TRUE	7.51E-25
COPD in ever smokers	AP1M2	cg07434260	rs10409805	C	A	0.264	0.031	0.188	7.04E-18	0.037	0.019	0.048	0.020	74.164	TRUE	4.21E-16
COPD in ever smokers	AP1M2	cg07434260	rs10411063	A	G	-0.424	0.033	0.144	7.09E-37	-0.034	0.022	0.111	0.042	160.842	TRUE	5.88E-34
COPD in ever smokers	AP1M2	cg07434260	rs11085734	A	G	0.141	0.024	0.498	2.39E-09	0.021	0.015	0.157	0.010	35.611	TRUE	1.72E-08
COPD in ever smokers	AP1M2	cg07434260	rs114238717	T	C	0.395	0.069	0.028	1.03E-08	-0.063	0.042	0.132	0.009	32.757	TRUE	7.33E-08
COPD in ever smokers	AP1M2	cg07434260	rs147622113	T	C	-0.419	0.073	0.029	8.70E-09	0.016	0.045	0.722	0.009	33.094	TRUE	2.10E-08
COPD in ever smokers	AP1M2	cg07434260	rs28600132	G	T	0.173	0.024	0.396	1.25E-12	-0.025	0.015	0.105	0.013	50.382	TRUE	1.93E-11
COPD in ever smokers	AP1M2	cg07434260	rs59614858	T	G	-0.324	0.051	0.053	2.81E-10	-0.064	0.033	0.055	0.011	39.783	TRUE	3.93E-09
COPD in ever smokers	AP1M2	cg07434260	rs7258256	G	A	0.346	0.025	0.296	5.47E-44	-0.036	0.016	0.025	0.050	193.396	TRUE	6.77E-40
COPD in ever smokers	AP1M2	cg07434260	rs78256348	T	C	-0.249	0.030	0.199	3.93E-17	0.021	0.019	0.261	0.019	70.772	TRUE	6.48E-16
COPD in ever smokers	AP1M2	cg08148553	rs10408934	A	G	-0.269	0.031	0.165	1.02E-17	0.027	0.020	0.179	0.019	73.440	TRUE	2.47E-16
COPD in ever smokers	AP1M2	cg08148553	rs10411063	A	G	-0.488	0.033	0.144	1.13E-48	-0.034	0.022	0.111	0.055	214.851	TRUE	7.92E-45
COPD in ever smokers	AP1M2	cg08148553	rs11085734	A	G	0.161	0.024	0.498	7.68E-12	0.021	0.015	0.157	0.012	46.820	TRUE	8.26E-11
COPD in ever smokers	AP1M2	cg08148553	rs12609501	G	T	0.516	0.025	0.294	2.08E-97	-0.034	0.016	0.035	0.106	438.462	TRUE	3.79E-88
COPD in ever smokers	AP1M2	cg08148553	rs150696463	T	C	0.438	0.068	0.030	1.50E-10	-0.068	0.042	0.103	0.011	41.007	TRUE	1.64E-09
COPD in ever smokers	AP1M2	cg08148553	rs1821280	A	G	0.216	0.030	0.192	1.16E-12	0.034	0.019	0.064	0.013	50.529	TRUE	2.34E-11
COPD in ever smokers	AP1M2	cg08148553	rs34516961	G	A	0.325	0.032	0.158	5.76E-25	-0.007	0.020	0.740	0.028	106.434	TRUE	7.71E-24
COPD in ever smokers	AP1M2	cg08148553	rs3786717	C	T	-0.146	0.023	0.437	3.56E-10	-0.031	0.015	0.037	0.011	39.320	TRUE	5.77E-09
COPD in ever smokers	AP1M2	cg08148553	rs73496568	A	C	-0.280	0.029	0.203	1.30E-21	0.021	0.019	0.280	0.024	91.147	TRUE	3.80E-20
COPD in ever smokers	AP1M2	cg08148553	rs73500697	A	G	-0.303	0.050	0.055	1.73E-09	-0.064	0.033	0.050	0.010	36.237	TRUE	2.17E-08
COPD in ever smokers	AP1M2	cg11657665	rs12985734	G	A	-0.289	0.025	0.294	9.64E-31	-0.034	0.016	0.038	0.035	132.800	TRUE	6.83E-28
COPD in ever smokers	AP1M2	cg11657665	rs187371841	T	C	-0.516	0.040	0.088	8.63E-38	-0.071	0.026	0.007	0.043	165.026	TRUE	7.84E-34
COPD in ever smokers	AP1M2	cg11657665	rs35769432	A	G	0.572	0.030	0.192	3.85E-82	0.034	0.019	0.064	0.091	368.361	TRUE	6.67E-75
COPD in ever smokers	AP1M2	cg11657665	rs76186695	T	G	0.269	0.030	0.195	1.01E-19	0.010	0.019	0.614	0.022	82.543	TRUE	9.60E-19
COPD in ever smokers	AP1M2	cg11657665	rs77357022	A	G	-0.290	0.043	0.074	2.54E-11	-0.061	0.028	0.026	0.012	44.475	TRUE	5.98E-10
COPD in ever smokers	AP1M2	cg14985481	rs12985734	G	A	0.149	0.025	0.294	1.75E-09	-0.034	0.016	0.038	0.010	36.210	TRUE	2.46E-08
COPD in ever smokers	AP1M2	cg14985481	rs4804509	G	A	-0.306	0.030	0.188	2.63E-24	0.036	0.019	0.058	0.027	103.422	TRUE	4.31E-22
COPD in ever smokers	AP1M2	cg15555932	rs10411063	A	G	-0.618	0.033	0.144	2.08E-78	-0.034	0.022	0.111	0.087	351.226	TRUE	6.97E-72
COPD in ever smokers	AP1M2	cg15555932	rs11085734	A	G	0.174	0.024	0.498	1.38E-13	0.021	0.015	0.157	0.015	54.697	TRUE	1.96E-12
COPD in ever smokers	AP1M2	cg15555932	rs11671812	T	C	-0.434	0.055	0.044	2.38E-15	-0.064	0.034	0.058	0.017	62.687	TRUE	8.18E-14
COPD in ever smokers	AP1M2	cg15555932	rs12609501	G	T	0.533	0.025	0.294	6.65E-105	-0.034	0.016	0.035	0.113	472.882	TRUE	9.06E-95
COPD in ever smokers	AP1M2	cg15555932	rs12710257	A	G	-0.207	0.028	0.219	2.91E-13	-0.028	0.018	0.117	0.014	53.236	TRUE	4.69E-12
COPD in ever smokers	AP1M2	cg15555932	rs147622113	T	C	-0.428	0.073	0.029	4.32E-09	0.016	0.045	0.722	0.009	34.455	TRUE	1.07E-08
COPD in ever smokers	AP1M2	cg15555932	rs150696463	T	C	0.571	0.068	0.030	5.85E-17	-0.068	0.042	0.103	0.019	69.990	TRUE	1.87E-15
COPD in ever smokers	AP1M2	cg15555932	rs1799898	T	C	0.211	0.034	0.137	3.74E-10	0.004	0.022	0.866	0.010	39.222	TRUE	8.50E-10
COPD in ever smokers	AP1M2	cg15555932	rs34516961	G	A	0.349	0.031	0.158	1.34E-28	-0.007	0.020	0.740	0.032	123.012	TRUE	2.79E-27
COPD in ever smokers	AP1M2	cg15555932	rs3745255	A	G	-0.288	0.025	0.340	1.72E-30	0.028	0.016	0.072	0.034	131.651	TRUE	6.97E-28
COPD in ever smokers	AP1M2	cg15555932	rs4804521	A	G	-0.513	0.080	0.021	1.69E-10	-0.093	0.052	0.075	0.011	40.769	TRUE	2.15E-09
COPD in ever smokers	AP1M2	cg15555932	rs62128794	A	G	-0.461	0.054	0.048	9.06E-18	0.010	0.032	0.768	0.020	73.667	TRUE	5.10E-17
COPD in ever smokers	AP1M2	cg16589555	rs12710256	C	T	-0.395	0.052	0.059	2.68E-14	0.029	0.034	0.387	0.015	57.924	TRUE	2.15E-13
COPD in ever smokers	AP1M2	cg23652172	rs8113212	A	G	-0.157	0.026	0.261	1.63E-09	-0.032	0.017	0.063	0.010	36.353	TRUE	1.86E-08

COPD in ever smokers	AP1M2	cg26292442	rs7248205	C	T	0.136	0.024	0.400	1.36E-08	-0.044	0.015	0.004	0.009	32.231	TRUE	3.20E-07
COPD in ever smokers	AP1M2	cg26999505	rs12978228	T	G	-0.394	0.030	0.188	2.47E-39	0.037	0.019	0.050	0.044	172.087	TRUE	6.81E-36
COPD in ever smokers	AP1M2	cg26999505	rs12985008	T	C	0.136	0.025	0.290	4.39E-08	-0.036	0.017	0.028	0.008	29.953	TRUE	5.14E-07
COPD in ever smokers	AP1M2	cg27104822	rs10411063	A	G	-0.289	0.033	0.144	5.18E-18	-0.034	0.022	0.111	0.020	74.770	TRUE	1.87E-16
COPD in ever smokers	AP1M2	cg27104822	rs12976824	G	A	0.327	0.025	0.294	2.66E-39	-0.032	0.016	0.046	0.044	171.940	TRUE	7.90E-36
COPD in ever smokers	AP1M2	cg27104822	rs28600132	G	T	0.155	0.024	0.396	1.89E-10	-0.025	0.015	0.105	0.011	40.558	TRUE	2.02E-09
COPD in ever smokers	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	-0.096	0.045	0.031	0.014	53.476	TRUE	8.42E-12
COPD in ever smokers	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	0.002	0.015	0.899	0.014	51.210	TRUE	2.26E-12
COPD in ever smokers	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	0.013	0.015	0.381	0.017	65.306	TRUE	6.31E-15
COPD in ever smokers	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	0.016	0.044	0.718	0.014	51.552	TRUE	2.53E-12
COPD in ever smokers	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	-0.034	0.024	0.167	0.024	92.082	TRUE	3.90E-20
COPD in ever smokers	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	-0.026	0.017	0.134	0.009	33.796	TRUE	4.44E-08
COPD in ever smokers	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	0.023	0.039	0.550	0.011	42.261	TRUE	3.04E-10
COPD in ever smokers	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	0.004	0.037	0.911	0.014	52.151	TRUE	1.40E-12
COPD in ever smokers	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	-0.010	0.019	0.578	0.010	37.052	TRUE	3.67E-09
COPD in ever smokers	AP3B2	cg14907737	rs7181761	G	A	-0.137	0.024	0.369	2.16E-08	0.013	0.016	0.402	0.008	31.325	TRUE	7.87E-08
COPD in ever smokers	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	-0.076	0.054	0.158	0.037	142.831	TRUE	1.83E-30
COPD in ever smokers	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	-0.028	0.045	0.530	0.025	93.851	TRUE	5.16E-21
COPD in ever smokers	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	-0.033	0.018	0.065	0.008	29.857	TRUE	3.94E-07
COPD in ever smokers	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	0.013	0.015	0.381	0.015	56.581	TRUE	4.15E-13
COPD in ever smokers	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	0.030	0.017	0.073	0.008	29.766	TRUE	3.92E-07
COPD in ever smokers	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	-0.010	0.018	0.568	0.017	62.195	TRUE	1.89E-14
COPD in ever smokers	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	0.001	0.060	0.991	0.113	469.497	TRUE	2.76E-97
COPD in ever smokers	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	-0.011	0.039	0.783	0.021	79.528	TRUE	2.92E-18
COPD in ever smokers	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	-0.060	0.017	5.89E-04	0.010	36.068	TRUE	9.41E-08
COPD in ever smokers	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	0.022	0.027	0.425	0.016	59.989	TRUE	7.31E-14
COPD in ever smokers	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	-0.010	0.018	0.568	0.013	48.151	TRUE	1.69E-11
COPD in ever smokers	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	-0.017	0.019	0.366	0.018	67.773	TRUE	2.01E-15
COPD in ever smokers	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	0.031	0.017	0.061	0.013	47.149	TRUE	1.17E-10
COPD in ever smokers	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	-0.010	0.018	0.568	0.020	74.575	TRUE	4.87E-17
COPD in ever smokers	AP3D1	cg09261902	rs117292860	A	C	0.295	0.048	0.125	8.86E-10	0.060	0.022	0.007	0.010	37.541	TRUE	2.42E-08
COPD in ever smokers	AP3D1	cg09261902	rs2238599	C	T	-0.571	0.022	0.498	2.54E-142	-0.029	0.015	0.051	0.148	644.796	TRUE	1.28E-127
COPD in ever smokers	AP3D1	cg09261902	rs58491369	T	C	-0.275	0.030	0.184	1.39E-19	-0.006	0.019	0.755	0.022	81.918	TRUE	9.73E-19
COPD in ever smokers	AP3D1	cg09261902	rs74984359	A	G	0.898	0.058	0.040	3.75E-54	-0.019	0.036	0.599	0.061	239.965	TRUE	5.15E-51
COPD in ever smokers	AP3D1	cg09548694	rs35500266	T	C	-0.184	0.024	0.428	9.80E-15	0.030	0.015	0.047	0.016	59.903	TRUE	3.38E-13
COPD in ever smokers	AP3D1	cg09548694	rs73516521	C	T	0.218	0.034	0.127	2.66E-10	-0.025	0.021	0.238	0.011	39.887	TRUE	1.77E-09
COPD in ever smokers	AP3D1	cg09548694	rs75483641	T	C	0.495	0.031	0.161	1.20E-55	-0.015	0.020	0.461	0.063	246.814	TRUE	3.65E-52
COPD in ever smokers	AP3D1	cg10746224	rs2240130	A	G	-0.248	0.036	0.257	9.68E-12	0.060	0.017	2.60E-04	0.012	46.367	TRUE	1.13E-09
COPD in ever smokers	AP3D1	cg10746224	rs73916852	A	G	-0.930	0.099	0.013	3.84E-21	0.057	0.064	0.366	0.023	89.007	TRUE	7.99E-20
COPD in ever smokers	AP3D1	cg11349093	rs79847850	C	T	-0.219	0.031	0.167	3.51E-12	-0.011	0.020	0.599	0.013	48.356	TRUE	1.45E-11
COPD in ever smokers	AP3D1	cg17656426	rs4807216	C	T	-0.219	0.033	0.140	3.37E-11	-0.008	0.022	0.704	0.012	43.928	TRUE	1.06E-10
COPD in ever smokers	AP3D1	cg17656426	rs62128400	A	G	0.565	0.023	0.429	8.87E-133	0.032	0.015	0.036	0.140	600.945	TRUE	3.95E-119

COPD in ever smokers	AP3D1	cg17656426	rs73516521	C	T	-0.196	0.035	0.127	1.46E-08	-0.025	0.021	0.238	0.009	32.087	TRUE	7.48E-08
COPD in ever smokers	AP3D1	cg17656426	rs75223679	A	G	-0.276	0.032	0.168	2.07E-18	-0.011	0.020	0.590	0.020	76.579	TRUE	1.77E-17
COPD in ever smokers	AP3D1	cg17656426	rs886449	A	G	-0.223	0.029	0.205	2.85E-14	-0.042	0.018	0.022	0.015	57.801	TRUE	1.29E-12
COPD in ever smokers	AP3D1	cg19290738	rs112415544	A	G	-0.527	0.093	0.014	1.65E-08	0.060	0.062	0.337	0.009	31.851	TRUE	6.83E-08
COPD in ever smokers	AP3D1	cg19290738	rs117473937	A	G	0.739	0.128	0.018	7.00E-09	0.006	0.062	0.927	0.009	33.516	TRUE	1.32E-08
COPD in ever smokers	AP3D1	cg19290738	rs2523178	A	G	-0.278	0.026	0.290	3.59E-27	-0.014	0.017	0.382	0.031	116.496	TRUE	1.63E-25
COPD in ever smokers	AP3D1	cg19290738	rs55825817	T	C	-0.150	0.024	0.409	2.89E-10	0.020	0.015	0.186	0.011	39.726	TRUE	2.20E-09
COPD in ever smokers	AP3D1	cg19290738	rs7245402	A	G	-0.156	0.025	0.328	4.59E-10	0.021	0.016	0.182	0.010	38.825	TRUE	3.43E-09
COPD in ever smokers	AP3D1	cg19290738	rs73512109	A	G	0.241	0.044	0.080	4.00E-08	-0.013	0.028	0.641	0.008	30.132	TRUE	1.00E-07
COPD in ever smokers	AP3D1	cg19290738	rs73516521	C	T	-0.296	0.034	0.127	9.22E-18	-0.025	0.021	0.238	0.020	73.632	TRUE	1.80E-16
COPD in ever smokers	AP3D1	cg19290738	rs74521370	A	G	0.646	0.096	0.019	1.57E-11	0.043	0.051	0.397	0.012	45.424	TRUE	8.61E-11
COPD in ever smokers	AP3D1	cg19290738	rs75223679	A	G	-0.563	0.031	0.168	4.22E-74	-0.011	0.020	0.590	0.082	331.465	TRUE	2.42E-69
COPD in ever smokers	AP3D1	cg19290738	rs757595	T	C	-0.472	0.041	0.080	3.78E-30	0.008	0.027	0.754	0.034	130.090	TRUE	9.25E-29
COPD in ever smokers	AP3D1	cg19290738	rs758287	C	T	0.904	0.018	0.428	<1E-200	0.031	0.015	0.043	0.393	2392.083	TRUE	<1E-200
COPD in ever smokers	AP3D1	cg19290738	rs886449	A	G	-0.560	0.029	0.205	2.84E-85	-0.042	0.018	0.022	0.094	382.739	TRUE	4.01E-77
COPD in ever smokers	AP3D1	cg21414902	rs2018890	G	A	-0.169	0.023	0.428	6.74E-13	0.031	0.015	0.040	0.014	51.591	TRUE	1.80E-11
COPD in ever smokers	AP3D1	cg22598241	rs2238612	T	C	0.383	0.023	0.499	1.71E-62	-0.031	0.015	0.036	0.070	278.205	TRUE	6.96E-57
COPD in ever smokers	AP3D1	cg22598241	rs58491369	T	C	0.193	0.030	0.184	2.02E-10	-0.006	0.019	0.755	0.011	40.423	TRUE	5.48E-10
COPD in ever smokers	AP3D1	cg22598241	rs77671679	T	C	-1.273	0.060	0.035	1.60E-101	-0.022	0.038	0.558	0.110	457.351	TRUE	4.75E-94
COPD in ever smokers	AP3D1	cg24185130	rs12608586	T	G	-0.545	0.091	0.014	2.40E-09	0.063	0.062	0.306	0.010	35.596	TRUE	1.19E-08
COPD in ever smokers	AP3D1	cg24185130	rs12609225	G	A	-0.565	0.027	0.234	3.43E-94	-0.009	0.018	0.596	0.103	423.685	TRUE	1.48E-87
COPD in ever smokers	AP3D1	cg24185130	rs7246186	A	G	-0.169	0.024	0.375	3.99E-12	-0.031	0.016	0.046	0.013	48.101	TRUE	8.58E-11
COPD in ever smokers	AP3D1	cg27089789	rs1106861	A	G	-1.486	0.060	0.035	7.30E-135	-0.031	0.038	0.416	0.142	610.522	TRUE	3.95E-123
COPD in ever smokers	AP3D1	cg27089789	rs2238612	T	C	0.137	0.023	0.499	4.38E-09	-0.031	0.015	0.036	0.009	34.430	TRUE	5.77E-08
COPD in ever smokers	AP4E1	cg02338191	rs10519289	T	C	0.279	0.028	0.210	6.36E-24	0.008	0.018	0.663	0.027	101.675	TRUE	8.95E-23
COPD in ever smokers	AP4E1	cg05389038	rs12442028	C	T	0.315	0.040	0.093	3.37E-15	-0.015	0.026	0.569	0.016	62.007	TRUE	2.06E-14
COPD in ever smokers	AP4E1	cg05389038	rs12708423	G	A	-0.431	0.069	0.027	4.03E-10	-0.005	0.045	0.904	0.010	39.079	TRUE	8.68E-10
COPD in ever smokers	AP4E1	cg05389038	rs146676154	C	T	-0.402	0.068	0.029	2.98E-09	0.019	0.042	0.653	0.009	35.180	TRUE	8.25E-09
COPD in ever smokers	AP4E1	cg05389038	rs149451788	C	T	0.383	0.057	0.045	2.22E-11	-0.037	0.037	0.319	0.012	44.740	TRUE	1.41E-10
COPD in ever smokers	AP4E1	cg05389038	rs17523880	A	C	0.198	0.034	0.135	4.29E-09	-0.043	0.021	0.039	0.009	34.468	TRUE	5.48E-08
COPD in ever smokers	AP4E1	cg05389038	rs17599340	C	T	0.356	0.029	0.203	5.61E-34	0.018	0.018	0.325	0.038	147.588	TRUE	8.50E-32
COPD in ever smokers	AP4E1	cg05389038	rs2445749	T	C	-0.170	0.026	0.313	3.92E-11	0.010	0.016	0.536	0.012	43.630	TRUE	1.60E-10
COPD in ever smokers	AP4E1	cg05389038	rs28621809	T	C	-0.805	0.020	0.431	<1E-200	0.052	0.015	5.41E-04	0.304	1612.059	TRUE	5.80E-293
COPD in ever smokers	AP4E1	cg05389038	rs28757162	A	G	-0.349	0.040	0.095	1.10E-18	-0.013	0.025	0.599	0.021	77.822	TRUE	9.58E-18
COPD in ever smokers	AP4E1	cg05389038	rs55946545	C	T	0.278	0.050	0.060	3.72E-08	-0.045	0.033	0.173	0.008	30.271	TRUE	2.11E-07
COPD in ever smokers	AP4E1	cg05389038	rs56396299	T	G	-0.323	0.031	0.176	3.17E-25	0.059	0.020	0.003	0.028	107.615	TRUE	3.79E-22
COPD in ever smokers	AP4E1	cg05389038	rs59415822	C	T	-0.190	0.024	0.403	1.01E-15	0.047	0.015	0.002	0.017	64.382	TRUE	1.67E-13
COPD in ever smokers	AP4E1	cg05389038	rs62018844	G	A	0.454	0.051	0.058	6.58E-19	0.006	0.032	0.850	0.021	78.844	TRUE	3.58E-18
COPD in ever smokers	AP4E1	cg05389038	rs648381	C	T	0.406	0.036	0.115	3.39E-29	-0.023	0.024	0.335	0.033	125.740	TRUE	2.42E-27
COPD in ever smokers	AP4E1	cg05389038	rs78196407	G	T	-0.385	0.053	0.058	2.35E-13	-0.006	0.033	0.847	0.014	53.658	TRUE	7.39E-13
COPD in ever smokers	AP4E1	cg05389038	rs78376852	G	A	0.187	0.032	0.148	6.56E-09	-0.005	0.021	0.822	0.009	33.642	TRUE	1.41E-08
COPD in ever smokers	AP4E1	cg05389038	rs79469565	T	C	-0.278	0.050	0.105	3.20E-08	-0.021	0.024	0.382	0.008	30.569	TRUE	1.17E-07

COPD in ever smokers	AP4E1	cg05389038	rs8025206	C	T	-0.314	0.024	0.386	5.76E-40	0.033	0.051	0.525	0.045	174.984	TRUE	1.05E-37
COPD in ever smokers	AP4E1	cg05389038	rs882299	G	A	-0.488	0.050	0.059	1.03E-22	0.024	0.031	0.437	0.025	96.166	TRUE	2.17E-21
COPD in ever smokers	AP4E1	cg05389038	rs9972359	C	T	-0.216	0.024	0.417	1.54E-19	0.042	0.015	0.005	0.022	81.705	TRUE	4.13E-17
COPD in ever smokers	AP4E1	cg09951650	rs10775143	C	T	-0.135	0.023	0.425	7.71E-09	0.014	0.015	0.352	0.009	33.329	TRUE	3.24E-08
COPD in ever smokers	AP4E1	cg09951650	rs11857513	A	G	0.398	0.070	0.026	1.16E-08	0.000	0.045	0.993	0.009	32.528	TRUE	1.99E-08
COPD in ever smokers	AP4E1	cg09951650	rs6493470	A	G	0.384	0.028	0.210	4.08E-44	0.008	0.018	0.672	0.050	193.980	TRUE	8.73E-42
COPD in ever smokers	AP4E1	cg21246271	rs12595627	T	C	0.138	0.024	0.343	1.08E-08	0.009	0.016	0.556	0.009	32.672	TRUE	3.23E-08
COPD in ever smokers	AP4E1	cg21246271	rs2614793	A	G	-0.282	0.027	0.234	7.92E-26	0.058	0.018	9.98E-04	0.029	110.362	TRUE	1.72E-22
COPD in ever smokers	AP4E1	cg21246271	rs7182282	G	T	0.139	0.025	0.291	2.76E-08	0.019	0.018	0.271	0.008	30.852	TRUE	1.26E-07
COPD in ever smokers	ARF1	cg06625004	rs10799420	T	C	-0.198	0.029	0.185	1.82E-11	0.040	0.019	0.030	0.012	45.135	TRUE	4.15E-10
COPD in ever smokers	ARF1	cg06625004	rs11582265	T	C	-1.280	0.041	0.073	4.57E-209	0.061	0.028	0.029	0.205	951.613	TRUE	2.49E-183
COPD in ever smokers	ARF1	cg06625004	rs12138930	G	T	-0.193	0.028	0.206	1.19E-11	0.018	0.018	0.330	0.012	45.955	TRUE	7.68E-11
COPD in ever smokers	ARF1	cg06625004	rs147909101	T	C	-0.937	0.116	0.013	7.14E-16	0.085	0.063	0.178	0.017	65.060	TRUE	1.32E-14
COPD in ever smokers	ARF1	cg06625004	rs4233231	A	G	-0.168	0.024	0.412	2.78E-12	-0.004	0.015	0.812	0.013	48.812	TRUE	8.32E-12
COPD in ever smokers	ARF1	cg06625004	rs493945	G	A	-0.243	0.024	0.378	2.06E-24	0.026	0.015	0.090	0.027	103.909	TRUE	2.47E-22
COPD in ever smokers	ARF1	cg06625004	rs61827004	A	G	-0.266	0.033	0.153	4.55E-16	0.014	0.021	0.508	0.018	65.945	TRUE	3.50E-15
COPD in ever smokers	ARF1	cg06625004	rs7524236	T	C	0.175	0.030	0.180	9.81E-09	-0.039	0.019	0.041	0.009	32.860	TRUE	1.14E-07
COPD in ever smokers	ARF1	cg06625004	rs77969686	G	A	-0.516	0.056	0.035	2.33E-20	0.107	0.035	0.002	0.023	85.443	TRUE	1.09E-17
COPD in ever smokers	ASAH1	cg04912297	rs13260520	C	T	0.330	0.032	0.192	1.64E-25	0.067	0.018	2.35E-04	0.029	108.922	TRUE	6.25E-22
COPD in ever smokers	ASAH1	cg04912297	rs137922664	C	T	1.027	0.108	0.010	1.82E-21	-0.028	0.063	0.658	0.024	90.481	TRUE	1.93E-20
COPD in ever smokers	ASAH1	cg04912297	rs17593828	C	T	0.609	0.104	0.015	5.10E-09	-0.071	0.059	0.231	0.009	34.132	TRUE	2.84E-08
COPD in ever smokers	ASAH1	cg04912297	rs1966290	G	A	0.161	0.025	0.415	2.39E-10	0.034	0.015	0.023	0.011	40.097	TRUE	4.84E-09
COPD in ever smokers	ASAH1	cg04912297	rs447516	C	A	0.206	0.028	0.260	3.22E-13	0.014	0.017	0.405	0.014	53.041	TRUE	2.16E-12
COPD in ever smokers	ASAH1	cg04912297	rs71526168	C	T	0.499	0.049	0.076	1.92E-24	0.041	0.033	0.207	0.027	104.049	TRUE	1.13E-22
COPD in ever smokers	ASAH1	cg04912297	rs73202002	A	G	0.727	0.112	0.014	8.75E-11	-0.052	0.060	0.382	0.011	42.059	TRUE	4.50E-10
COPD in ever smokers	ASAH1	cg04912297	rs7387252	T	C	0.983	0.034	0.146	2.15E-180	-0.005	0.021	0.822	0.181	819.797	TRUE	2.24E-163
COPD in ever smokers	ASAH1	cg04912297	rs7462730	A	C	0.796	0.098	0.036	3.33E-16	-0.002	0.042	0.959	0.018	66.563	TRUE	1.14E-15
COPD in ever smokers	ASAH1	cg06891716	rs113060216	A	G	0.434	0.067	0.035	1.16E-10	-0.049	0.040	0.217	0.011	41.508	TRUE	8.59E-10
COPD in ever smokers	ASAH1	cg18067069	rs11776689	T	G	0.445	0.049	0.077	1.52E-19	-0.001	0.029	0.961	0.022	81.741	TRUE	7.16E-19
COPD in ever smokers	ASAH1	cg18067069	rs17436109	T	C	-0.388	0.055	0.060	2.34E-12	-0.001	0.034	0.970	0.013	49.146	TRUE	5.58E-12
COPD in ever smokers	ASAH1	cg18067069	rs34482943	T	C	0.527	0.049	0.075	1.06E-26	-0.022	0.028	0.423	0.030	114.348	TRUE	3.98E-25
COPD in ever smokers	ASAH1	cg18067069	rs4921901	G	A	0.340	0.058	0.051	4.66E-09	0.033	0.035	0.344	0.009	34.307	TRUE	2.05E-08
COPD in ever smokers	ASAH1	cg18067069	rs62492594	T	G	0.340	0.059	0.052	7.40E-09	0.062	0.034	0.071	0.009	33.409	TRUE	7.12E-08
COPD in ever smokers	ASAH1	cg18067069	rs7825215	C	A	0.744	0.024	0.448	6.37E-216	0.027	0.015	0.068	0.210	983.137	TRUE	1.02E-189
COPD in ever smokers	ASAH1	cg18067069	rs7827552	G	T	0.330	0.036	0.146	9.90E-20	0.073	0.021	5.05E-04	0.022	82.585	TRUE	7.07E-17
COPD in ever smokers	ASAH1	cg18067069	rs79451156	G	A	0.383	0.043	0.100	3.75E-19	-0.008	0.026	0.755	0.021	79.953	TRUE	2.51E-18
COPD in ever smokers	ASAH1	cg18929511	rs1015502	T	C	0.185	0.027	0.320	9.51E-12	0.014	0.016	0.372	0.012	46.403	TRUE	5.65E-11
COPD in ever smokers	ASAH1	cg18929511	rs117633627	G	A	0.878	0.134	0.019	5.50E-11	0.050	0.055	0.365	0.011	42.969	TRUE	3.00E-10
COPD in ever smokers	ASAH1	cg18929511	rs13260520	C	T	0.357	0.032	0.192	1.24E-29	0.067	0.018	2.35E-04	0.033	127.727	TRUE	1.25E-25
COPD in ever smokers	ASAH1	cg18929511	rs1353037	C	T	0.254	0.032	0.196	1.26E-15	-0.003	0.018	0.872	0.017	63.947	TRUE	4.72E-15
COPD in ever smokers	ASAH1	cg18929511	rs139334311	C	T	0.972	0.150	0.014	8.86E-11	0.017	0.063	0.786	0.011	42.035	TRUE	2.38E-10
COPD in ever smokers	ASAH1	cg18929511	rs71526156	C	T	1.022	0.094	0.039	9.51E-28	0.022	0.037	0.546	0.031	119.128	TRUE	2.90E-26

COPD in ever smokers	ASAH1	cg18929511	rs71526168	C	T	0.400	0.049	0.076	3.68E-16	0.041	0.033	0.207	0.018	66.367	TRUE	6.33E-15
COPD in ever smokers	ASAH1	cg18929511	rs73202002	A	G	1.020	0.112	0.014	6.50E-20	-0.052	0.060	0.382	0.022	83.416	TRUE	1.10E-18
COPD in ever smokers	ASAH1	cg18929511	rs7387252	T	C	0.977	0.034	0.146	1.64E-177	-0.005	0.021	0.822	0.179	806.541	TRUE	6.30E-161
COPD in ever smokers	ASAH1	cg18929511	rs7462730	A	C	0.822	0.098	0.036	3.62E-17	-0.002	0.042	0.959	0.019	70.936	TRUE	1.36E-16
COPD in ever smokers	ASAH1	cg23540819	rs10102764	C	T	-0.175	0.030	0.223	9.16E-09	0.060	0.018	8.34E-04	0.009	32.994	TRUE	3.45E-07
COPD in ever smokers	ASAH1	cg23540819	rs116180957	C	T	-0.477	0.076	0.030	4.14E-10	0.086	0.045	0.054	0.010	39.023	TRUE	5.66E-09
COPD in ever smokers	ASAH1	cg23540819	rs2283120	C	T	0.206	0.026	0.415	1.33E-15	0.034	0.015	0.026	0.017	63.837	TRUE	7.25E-14
COPD in ever smokers	ASAH1	cg23540819	rs2517318	A	G	-0.244	0.042	0.104	8.34E-09	0.008	0.026	0.764	0.009	33.176	TRUE	1.91E-08
COPD in ever smokers	ASAH1	cg23540819	rs35425490	A	G	-0.849	0.066	0.042	2.31E-38	0.051	0.039	0.194	0.043	167.645	TRUE	1.34E-35
COPD in ever smokers	ATF3	cg03970567	rs114197810	T	G	-0.716	0.096	0.028	6.55E-14	0.032	0.044	0.470	0.015	56.170	TRUE	4.18E-13
COPD in ever smokers	ATF3	cg03970567	rs114351967	T	C	-0.462	0.079	0.020	4.18E-09	-0.083	0.048	0.087	0.009	34.517	TRUE	3.84E-08
COPD in ever smokers	ATF3	cg03970567	rs116604459	C	T	0.327	0.057	0.044	1.09E-08	-0.040	0.036	0.256	0.009	32.657	TRUE	5.44E-08
COPD in ever smokers	ATF3	cg03970567	rs12066052	A	C	0.231	0.025	0.336	1.52E-20	-0.012	0.016	0.440	0.023	86.289	TRUE	2.39E-19
COPD in ever smokers	ATF3	cg03970567	rs12073226	T	C	-0.509	0.034	0.129	2.40E-50	-0.012	0.022	0.573	0.057	222.518	TRUE	1.92E-47
COPD in ever smokers	ATF3	cg03970567	rs12120031	C	T	0.298	0.032	0.159	3.88E-21	0.007	0.020	0.711	0.023	88.985	TRUE	3.55E-20
COPD in ever smokers	ATF3	cg03970567	rs12729140	C	T	-1.257	0.026	0.145	<1E-200	0.002	0.021	0.929	0.391	2375.885	TRUE	<1E-200
COPD in ever smokers	ATF3	cg03970567	rs17019438	C	T	-0.248	0.026	0.262	4.59E-21	0.002	0.017	0.926	0.023	88.654	TRUE	2.70E-20
COPD in ever smokers	ATF3	cg03970567	rs2456831	A	G	0.229	0.039	0.103	3.37E-09	0.006	0.024	0.811	0.009	34.940	TRUE	7.54E-09
COPD in ever smokers	ATF3	cg03970567	rs3122720	T	C	0.218	0.033	0.142	4.67E-11	-0.017	0.021	0.416	0.012	43.286	TRUE	2.33E-10
COPD in ever smokers	ATF3	cg03970567	rs3125291	G	A	0.249	0.025	0.330	3.94E-23	0.012	0.016	0.439	0.026	98.066	TRUE	8.73E-22
COPD in ever smokers	ATF3	cg03970567	rs35961366	G	T	-0.997	0.099	0.035	9.23E-24	0.001	0.039	0.974	0.027	100.938	TRUE	6.54E-23
COPD in ever smokers	ATF3	cg03970567	rs4951625	A	G	-0.966	0.081	0.023	8.89E-33	-0.075	0.056	0.181	0.037	142.101	TRUE	2.22E-30
COPD in ever smokers	ATF3	cg03970567	rs507349	G	T	-0.221	0.024	0.430	9.80E-21	-0.029	0.015	0.050	0.023	87.154	TRUE	9.49E-19
COPD in ever smokers	ATF3	cg03970567	rs565099	A	G	-0.770	0.090	0.014	1.31E-17	0.139	0.051	0.007	0.019	72.936	TRUE	2.04E-15
COPD in ever smokers	ATF3	cg03970567	rs597459	G	A	-0.221	0.024	0.338	1.20E-19	0.011	0.016	0.466	0.022	82.201	TRUE	1.58E-18
COPD in ever smokers	ATF3	cg03970567	rs61830682	A	G	-0.556	0.084	0.022	3.69E-11	0.106	0.043	0.014	0.012	43.747	TRUE	1.09E-09
COPD in ever smokers	ATF3	cg03970567	rs61832379	C	T	0.178	0.027	0.254	3.77E-11	0.037	0.017	0.030	0.012	43.705	TRUE	8.08E-10
COPD in ever smokers	ATF3	cg03970567	rs66505337	G	T	-0.157	0.027	0.253	4.37E-09	-0.005	0.017	0.768	0.009	34.434	TRUE	1.02E-08
COPD in ever smokers	ATF3	cg03970567	rs79386729	A	G	-0.697	0.058	0.041	2.20E-33	-0.018	0.032	0.579	0.038	144.869	TRUE	1.32E-31
COPD in ever smokers	ATF3	cg03970567	rs9308424	A	G	-0.163	0.025	0.329	5.34E-11	-0.008	0.016	0.597	0.011	43.026	TRUE	1.94E-10
COPD in ever smokers	ATF3	cg03970567	rs9787016	C	T	-0.195	0.023	0.471	9.33E-17	-0.009	0.016	0.584	0.018	69.068	TRUE	6.67E-16
COPD in ever smokers	ATF3	cg04323713	rs1001304	T	C	0.203	0.028	0.213	1.65E-13	-0.002	0.018	0.921	0.014	54.357	TRUE	4.68E-13
COPD in ever smokers	ATF3	cg04323713	rs10863957	C	T	-0.176	0.028	0.224	3.65E-10	-0.003	0.018	0.856	0.011	39.273	TRUE	8.41E-10
COPD in ever smokers	ATF3	cg04323713	rs115035134	A	C	-0.559	0.080	0.018	2.20E-12	0.052	0.047	0.263	0.013	49.270	TRUE	1.84E-11
COPD in ever smokers	ATF3	cg04323713	rs12144600	G	A	-0.304	0.052	0.053	4.17E-09	-0.027	0.031	0.377	0.009	34.523	TRUE	1.74E-08
COPD in ever smokers	ATF3	cg04323713	rs12410743	A	G	-0.294	0.039	0.110	3.32E-14	-0.018	0.025	0.470	0.015	57.506	TRUE	2.20E-13
COPD in ever smokers	ATF3	cg04323713	rs150509583	T	C	-0.605	0.055	0.049	5.16E-28	0.040	0.031	0.199	0.032	120.341	TRUE	5.49E-26
COPD in ever smokers	ATF3	cg04323713	rs4543871	C	T	-0.254	0.027	0.254	9.86E-21	-0.028	0.018	0.116	0.023	87.143	TRUE	5.32E-19
COPD in ever smokers	ATF3	cg04323713	rs681005	T	G	-0.151	0.024	0.401	2.04E-10	0.019	0.015	0.215	0.011	40.409	TRUE	1.46E-09
COPD in ever smokers	ATF3	cg04323713	rs72754346	C	T	-0.327	0.056	0.047	7.33E-09	-0.029	0.035	0.405	0.009	33.427	TRUE	2.82E-08
COPD in ever smokers	ATF3	cg04323713	rs74620737	C	T	-0.583	0.071	0.059	1.98E-16	-0.020	0.031	0.517	0.018	67.586	TRUE	1.56E-15
COPD in ever smokers	ATF3	cg04323713	rs79381401	A	G	-0.454	0.045	0.080	5.21E-24	-0.012	0.029	0.680	0.027	102.071	TRUE	7.13E-23

COPD in ever smokers	ATF3	cg05036120	rs3123534	C	A	0.149	0.025	0.326	4.49E-09	-0.008	0.016	0.618	0.009	34.381	TRUE	1.28E-08
COPD in ever smokers	ATF3	cg18174834	rs3125291	G	A	0.203	0.025	0.330	3.14E-16	0.012	0.016	0.439	0.018	66.679	TRUE	2.86E-15
COPD in ever smokers	ATF3	cg23534142	rs1001304	T	C	0.293	0.027	0.213	1.59E-26	-0.002	0.018	0.921	0.030	113.544	TRUE	1.71E-25
COPD in ever smokers	ATF3	cg23534142	rs12744239	G	A	-0.199	0.024	0.365	2.08E-16	-0.021	0.016	0.173	0.018	67.492	TRUE	4.25E-15
COPD in ever smokers	ATF3	cg23534142	rs1663627	A	C	-0.192	0.030	0.179	2.29E-10	0.011	0.021	0.589	0.011	40.182	TRUE	7.85E-10
COPD in ever smokers	ATF3	cg23534142	rs17019442	C	T	-0.292	0.040	0.095	2.23E-13	-0.025	0.026	0.334	0.014	53.766	TRUE	1.79E-12
COPD in ever smokers	ATF3	cg23534142	rs183325637	T	C	-0.487	0.087	0.018	1.97E-08	-0.026	0.055	0.629	0.008	31.512	TRUE	5.16E-08
COPD in ever smokers	ATF3	cg23534142	rs2292480	C	T	0.268	0.040	0.087	2.87E-11	0.042	0.026	0.109	0.012	44.242	TRUE	3.46E-10
COPD in ever smokers	ATF3	cg23534142	rs2884515	C	T	0.147	0.026	0.284	1.42E-08	0.015	0.016	0.373	0.009	32.136	TRUE	5.57E-08
COPD in ever smokers	ATF3	cg23534142	rs376490810	C	A	-2.284	0.147	0.015	1.41E-54	-0.090	0.067	0.180	0.061	241.914	TRUE	1.62E-50
COPD in ever smokers	ATF3	cg23534142	rs56671266	C	T	-0.529	0.028	0.222	6.28E-79	-0.023	0.018	0.199	0.087	353.615	TRUE	9.27E-73
COPD in ever smokers	ATF3	cg23534142	rs629118	G	A	0.195	0.024	0.440	5.74E-16	0.026	0.015	0.087	0.017	65.489	TRUE	1.74E-14
COPD in ever smokers	ATF3	cg23534142	rs6661348	T	C	-0.208	0.026	0.285	1.23E-15	-0.010	0.016	0.558	0.017	63.995	TRUE	8.09E-15
COPD in ever smokers	ATF3	cg23534142	rs78276076	C	T	-0.298	0.044	0.075	2.02E-11	-0.042	0.029	0.153	0.012	44.930	TRUE	2.07E-10
COPD in ever smokers	ATF3	cg23534142	rs9651103	T	C	-0.178	0.025	0.344	1.02E-12	0.019	0.016	0.233	0.014	50.774	TRUE	9.76E-12
COPD in ever smokers	ATF3	cg25386151	rs6696022	G	A	0.283	0.046	0.073	5.60E-10	0.035	0.031	0.263	0.010	38.435	TRUE	3.33E-09
COPD in ever smokers	ATP13A2	cg03937609	rs6703561	A	G	0.493	0.061	0.038	5.92E-16	-0.016	0.039	0.677	0.017	65.428	TRUE	3.24E-15
COPD in ever smokers	ATP13A2	cg06953703	rs9435739	G	A	0.159	0.025	0.332	1.31E-10	-0.034	0.016	0.032	0.011	41.276	TRUE	2.45E-09
COPD in ever smokers	ATP13A2	cg16027378	rs2235930	A	G	0.142	0.024	0.418	1.72E-09	-0.038	0.015	0.013	0.010	36.245	TRUE	3.55E-08
COPD in ever smokers	ATP13A2	cg22045253	rs34778293	A	G	0.279	0.048	0.062	5.82E-09	-0.072	0.030	0.015	0.009	33.876	TRUE	1.01E-07
COPD in ever smokers	ATP13A2	cg22045253	rs56047197	A	G	0.532	0.026	0.266	1.10E-90	-0.052	0.017	0.002	0.099	407.587	TRUE	7.30E-81
COPD in ever smokers	ATP13A2	cg22045253	rs9435730	G	A	-0.182	0.031	0.165	4.17E-09	-0.011	0.020	0.575	0.009	34.524	TRUE	1.27E-08
COPD in ever smokers	ATP2A1	cg04414917	rs12928404	C	T	-0.399	0.024	0.392	4.69E-64	0.039	0.015	0.009	0.072	285.373	TRUE	1.03E-57
COPD in ever smokers	ATP2A1	cg04414917	rs153105	C	T	-0.297	0.046	0.074	1.12E-10	0.017	0.028	0.544	0.011	41.575	TRUE	4.28E-10
COPD in ever smokers	ATP2A1	cg04414917	rs28709965	A	G	0.171	0.023	0.491	3.09E-13	-0.032	0.015	0.032	0.014	53.121	TRUE	9.68E-12
COPD in ever smokers	ATP2A1	cg04414917	rs73535886	C	T	-0.144	0.026	0.319	1.89E-08	0.023	0.016	0.160	0.008	31.589	TRUE	1.17E-07
COPD in ever smokers	ATP2A1	cg05966235	rs11401	G	A	-0.193	0.031	0.184	4.40E-10	0.015	0.020	0.457	0.010	38.905	TRUE	1.81E-09
COPD in ever smokers	ATP2A1	cg05966235	rs11642449	T	C	0.766	0.022	0.346	1.24E-273	0.039	0.016	0.012	0.252	1248.519	TRUE	1.37E-234
COPD in ever smokers	ATP2A1	cg05966235	rs369524013	A	G	-0.154	0.025	0.326	9.20E-10	-0.010	0.016	0.523	0.010	37.468	TRUE	3.26E-09
COPD in ever smokers	ATP2A1	cg05966235	rs58317978	T	C	-0.318	0.025	0.295	4.98E-36	-0.070	0.017	4.06E-05	0.041	156.969	TRUE	5.14E-31
COPD in ever smokers	ATP2A1	cg05966235	rs67479058	C	T	-0.334	0.029	0.191	3.48E-30	0.003	0.020	0.893	0.034	130.253	TRUE	6.12E-29
COPD in ever smokers	ATP2A1	cg05966235	rs72791878	T	C	0.593	0.065	0.034	5.91E-20	0.036	0.039	0.349	0.022	83.604	TRUE	1.10E-18
COPD in ever smokers	ATP2A1	cg05966235	rs8052258	C	T	-0.270	0.023	0.476	6.50E-31	-0.038	0.015	0.012	0.035	133.581	TRUE	1.07E-27
COPD in ever smokers	ATP2A1	cg05966235	rs8054074	A	G	0.271	0.025	0.314	1.99E-26	0.023	0.016	0.152	0.030	113.101	TRUE	2.14E-24
COPD in ever smokers	ATP2A1	cg08213689	rs40831	G	A	0.141	0.024	0.419	2.99E-09	0.029	0.015	0.055	0.009	35.168	TRUE	3.44E-08
COPD in ever smokers	ATP2A1	cg10436792	rs11150697	T	C	0.323	0.038	0.121	2.00E-17	-0.011	0.025	0.656	0.019	72.102	TRUE	1.34E-16
COPD in ever smokers	ATP2A1	cg10436792	rs142505175	A	G	0.367	0.059	0.042	4.28E-10	0.021	0.036	0.566	0.010	38.958	TRUE	1.48E-09
COPD in ever smokers	ATP2A1	cg10436792	rs367853409	T	C	-0.136	0.025	0.327	3.82E-08	0.006	0.016	0.711	0.008	30.222	TRUE	8.77E-08
COPD in ever smokers	ATP2A1	cg10436792	rs576443469	A	G	-0.229	0.026	0.278	2.68E-18	0.049	0.017	0.004	0.020	76.073	TRUE	5.86E-16
COPD in ever smokers	ATP2A1	cg10436792	rs8052258	C	T	0.167	0.023	0.476	1.17E-12	-0.038	0.015	0.012	0.013	50.510	TRUE	5.00E-11
COPD in ever smokers	ATP2A1	cg10436792	rs9933198	T	C	0.546	0.027	0.255	6.12E-94	0.001	0.017	0.955	0.103	422.529	TRUE	5.17E-88
COPD in ever smokers	ATP2A1	cg27473355	rs62037414	C	T	0.189	0.025	0.331	2.37E-14	0.044	0.016	0.005	0.015	58.164	TRUE	2.10E-12

COPD in ever smokers	ATP2A3	cg00095677	rs2176323	T	C	0.312	0.050	0.123	4.59E-10	0.023	0.023	0.326	0.010	38.825	TRUE	2.40E-09
COPD in ever smokers	ATP2A3	cg00095677	rs2240805	A	G	0.252	0.033	0.362	4.16E-14	-0.004	0.016	0.809	0.015	57.062	TRUE	1.49E-13
COPD in ever smokers	ATP2A3	cg00095677	rs56172839	T	C	-1.184	0.090	0.042	1.01E-39	-0.005	0.039	0.887	0.045	173.873	TRUE	6.13E-38
COPD in ever smokers	ATP2A3	cg00095677	rs7208941	T	G	-1.378	0.033	0.137	<1E-200	-0.061	0.022	0.005	0.315	1702.561	TRUE	<1E-200
COPD in ever smokers	ATP2A3	cg00095677	rs79760850	C	T	-0.921	0.102	0.020	1.71E-19	-0.111	0.049	0.024	0.022	81.500	TRUE	2.06E-17
COPD in ever smokers	ATP2A3	cg01703329	rs8070203	C	A	0.499	0.028	0.232	1.05E-72	-0.060	0.018	7.69E-04	0.081	325.055	TRUE	1.55E-64
COPD in ever smokers	ATP2A3	cg01703329	rs933210	T	C	-0.162	0.030	0.190	4.48E-08	-0.023	0.019	0.226	0.008	29.914	TRUE	2.18E-07
COPD in ever smokers	ATP2A3	cg01703329	rs9895032	T	C	0.180	0.023	0.495	1.11E-14	-0.036	0.015	0.015	0.016	59.667	TRUE	6.62E-13
COPD in ever smokers	ATP2A3	cg06463185	rs12936489	T	C	-0.815	0.043	0.142	1.78E-80	-0.059	0.021	0.006	0.089	360.720	TRUE	3.36E-72
COPD in ever smokers	ATP2A3	cg06463185	rs142472050	A	G	0.291	0.052	0.109	1.91E-08	0.015	0.024	0.540	0.008	31.565	TRUE	5.68E-08
COPD in ever smokers	ATP2A3	cg06463185	rs56172839	T	C	-0.636	0.092	0.042	4.11E-12	-0.005	0.039	0.887	0.013	48.045	TRUE	1.08E-11
COPD in ever smokers	ATP2A3	cg06463185	rs79760850	C	T	-0.652	0.102	0.020	1.36E-10	-0.111	0.049	0.024	0.011	41.200	TRUE	2.87E-09
COPD in ever smokers	ATP2A3	cg09013975	rs7213688	A	G	-0.198	0.030	0.194	3.57E-11	-0.040	0.019	0.036	0.012	43.814	TRUE	7.16E-10
COPD in ever smokers	ATP2A3	cg11608582	rs7215058	A	C	0.259	0.041	0.177	2.09E-10	-0.042	0.019	0.029	0.011	40.358	TRUE	3.90E-09
COPD in ever smokers	ATP2A3	cg12868320	rs34689261	G	A	0.247	0.044	0.137	1.95E-08	-0.068	0.022	0.002	0.008	31.524	TRUE	5.12E-07
COPD in ever smokers	ATP2A3	cg18963239	rs11871473	C	T	0.247	0.025	0.346	2.10E-23	-0.067	0.016	1.89E-05	0.026	99.314	TRUE	1.22E-19
COPD in ever smokers	ATP2A3	cg18963239	rs12325787	T	C	0.189	0.030	0.186	2.03E-10	-0.023	0.019	0.231	0.011	40.419	TRUE	1.39E-09
COPD in ever smokers	ATP2A3	cg20473595	rs11871473	C	T	0.348	0.025	0.346	6.65E-45	-0.067	0.016	1.89E-05	0.051	197.587	TRUE	8.97E-39
COPD in ever smokers	ATP2A3	cg20473595	rs2301351	T	C	0.263	0.037	0.255	8.61E-13	-0.031	0.017	0.073	0.014	51.111	TRUE	1.66E-11
COPD in ever smokers	ATP2A3	cg20473595	rs7214726	A	G	0.261	0.040	0.190	8.22E-11	-0.039	0.020	0.045	0.011	42.182	TRUE	1.39E-09
COPD in ever smokers	ATP2A3	cg25599198	rs11652572	G	T	0.661	0.105	0.026	2.77E-10	0.048	0.047	0.311	0.011	39.812	TRUE	1.54E-09
COPD in ever smokers	ATP2A3	cg25599198	rs138478638	C	T	0.615	0.036	0.253	2.02E-65	-0.012	0.017	0.487	0.073	291.636	TRUE	3.31E-61
COPD in ever smokers	ATP2A3	cg25599198	rs28374275	G	A	0.257	0.025	0.346	2.85E-25	-0.069	0.016	1.23E-05	0.028	107.824	TRUE	3.13E-21
COPD in ever smokers	ATP2A3	cg25599198	rs7212159	C	T	-0.221	0.030	0.189	1.19E-13	-0.004	0.019	0.852	0.015	54.988	TRUE	3.83E-13
COPD in ever smokers	ATP2A3	cg25599198	rs9893372	T	C	0.213	0.035	0.323	1.01E-09	-0.009	0.016	0.581	0.010	37.293	TRUE	3.25E-09
COPD in ever smokers	ATP2A3	cg25599198	rs9907835	T	G	0.294	0.035	0.131	3.60E-17	-0.020	0.022	0.358	0.019	70.947	TRUE	4.50E-16
COPD in ever smokers	ATP2A3	cg25738176	rs111834286	A	G	-0.235	0.037	0.114	2.72E-10	-0.032	0.023	0.168	0.011	39.848	TRUE	2.20E-09
COPD in ever smokers	ATP2A3	cg25738176	rs12601931	C	T	0.187	0.030	0.187	6.26E-10	-0.013	0.019	0.493	0.010	38.219	TRUE	2.37E-09
COPD in ever smokers	ATP2A3	cg25738176	rs1468573	G	A	-0.299	0.024	0.426	3.81E-36	-0.055	0.015	3.07E-04	0.041	157.501	TRUE	1.54E-31
COPD in ever smokers	ATP2A3	cg25738176	rs56369222	A	G	-0.349	0.044	0.233	1.10E-15	-0.023	0.018	0.183	0.017	64.200	TRUE	1.94E-14
COPD in ever smokers	ATP2A3	cg25738176	rs76401897	T	C	-0.320	0.052	0.053	1.06E-09	0.012	0.035	0.738	0.010	37.194	TRUE	2.74E-09
COPD in ever smokers	ATP6V1C1	cg03506193	rs116549961	A	G	0.788	0.042	0.100	8.73E-79	0.015	0.026	0.569	0.087	352.960	TRUE	1.43E-73
COPD in ever smokers	ATP6V1C1	cg03506193	rs79956307	T	C	0.484	0.087	0.020	2.60E-08	-0.063	0.057	0.268	0.008	30.972	TRUE	1.20E-07
COPD in ever smokers	ATP6V1C1	cg07079489	rs2458275	A	C	-1.118	0.089	0.044	2.54E-36	-0.012	0.038	0.744	0.041	158.308	TRUE	1.44E-34
COPD in ever smokers	ATP6V1C1	cg23420841	rs10283404	C	A	0.159	0.026	0.431	5.35E-10	-0.022	0.015	0.145	0.010	38.523	TRUE	4.49E-09
COPD in ever smokers	ATP6V1C1	cg23420841	rs2458286	C	T	0.160	0.027	0.344	1.57E-09	0.014	0.016	0.355	0.010	36.424	TRUE	7.22E-09
COPD in ever smokers	ATP6V1C1	cg23420841	rs72669327	T	C	0.472	0.042	0.100	2.23E-29	0.005	0.024	0.827	0.033	126.573	TRUE	4.15E-28
COPD in ever smokers	BAG3	cg10673740	rs10886529	A	G	0.191	0.025	0.359	1.39E-14	0.011	0.016	0.488	0.016	59.219	TRUE	9.27E-14
COPD in ever smokers	BAG3	cg10673740	rs11199043	A	G	0.136	0.023	0.497	5.72E-09	0.031	0.015	0.041	0.009	33.909	TRUE	7.00E-08
COPD in ever smokers	BAG3	cg10673740	rs144814361	T	C	1.061	0.090	0.019	4.01E-32	0.015	0.058	0.799	0.036	139.110	TRUE	1.13E-30
COPD in ever smokers	BAG3	cg10673740	rs2289307	C	T	0.218	0.025	0.362	7.90E-19	-0.013	0.016	0.394	0.021	78.482	TRUE	1.12E-17
COPD in ever smokers	BAG3	cg17076667	rs10787985	C	T	0.204	0.024	0.416	1.71E-17	-0.004	0.015	0.812	0.019	72.410	TRUE	8.64E-17

COPD in ever smokers	BAG3	cg17076667	rs11199103	G	A	-0.183	0.029	0.191	3.58E-10	-0.014	0.018	0.453	0.011	39.309	TRUE	1.50E-09
COPD in ever smokers	BAG3	cg17076667	rs1537577	T	C	-0.156	0.026	0.296	1.11E-09	-0.012	0.016	0.474	0.010	37.105	TRUE	4.21E-09
COPD in ever smokers	BAG3	cg17076667	rs2184354	A	C	-0.302	0.039	0.106	5.32E-15	0.017	0.024	0.480	0.016	61.105	TRUE	3.81E-14
COPD in ever smokers	BAG3	cg17076667	rs3892879	A	G	0.196	0.027	0.265	2.34E-13	0.014	0.017	0.404	0.014	53.665	TRUE	1.60E-12
COPD in ever smokers	BAG3	cg17076667	rs4752327	G	A	-0.264	0.027	0.239	3.09E-22	-0.031	0.018	0.077	0.025	93.991	TRUE	2.89E-20
COPD in ever smokers	BCL3	cg16094954	rs10421035	G	A	0.325	0.027	0.230	2.20E-32	0.019	0.017	0.285	0.037	140.302	TRUE	3.08E-30
COPD in ever smokers	BCL3	cg16094954	rs11882134	A	G	-0.193	0.026	0.274	3.01E-13	-0.011	0.017	0.531	0.014	53.176	TRUE	1.58E-12
COPD in ever smokers	BCL3	cg16094954	rs203717	T	C	-0.167	0.028	0.244	1.50E-09	0.024	0.018	0.171	0.010	36.517	TRUE	1.07E-08
COPD in ever smokers	BCL3	cg16094954	rs2965159	G	A	0.321	0.024	0.401	3.28E-42	0.022	0.015	0.147	0.048	185.254	TRUE	5.11E-39
COPD in ever smokers	BCL3	cg16094954	rs2972556	T	C	-0.257	0.033	0.140	1.41E-14	-0.007	0.021	0.751	0.016	59.185	TRUE	5.85E-14
COPD in ever smokers	BCL3	cg16094954	rs4803748	T	C	0.825	0.021	0.381	<1E-200	0.037	0.015	0.017	0.295	1550.504	TRUE	1.00E-285
COPD in ever smokers	BCL3	cg16094954	rs4803761	G	A	-0.173	0.026	0.317	1.39E-11	-0.014	0.016	0.382	0.012	45.659	TRUE	7.92E-11
COPD in ever smokers	BCL3	cg16094954	rs55923289	C	T	-0.380	0.049	0.126	1.03E-14	-0.030	0.022	0.173	0.016	59.797	TRUE	1.63E-13
COPD in ever smokers	BCL3	cg16094954	rs62117162	A	C	0.588	0.041	0.086	6.07E-46	0.025	0.026	0.334	0.052	202.350	TRUE	6.04E-43
COPD in ever smokers	BCL3	cg16094954	rs7249244	T	C	0.219	0.024	0.489	6.45E-20	0.010	0.015	0.495	0.022	83.432	TRUE	8.18E-19
COPD in ever smokers	BCL3	cg16094954	rs72654473	A	C	0.372	0.039	0.101	6.12E-22	-0.031	0.024	0.196	0.024	92.639	TRUE	2.61E-20
COPD in ever smokers	BCL3	cg16094954	rs73048339	C	T	0.176	0.027	0.246	1.05E-10	-0.025	0.018	0.153	0.011	41.702	TRUE	9.58E-10
COPD in ever smokers	BCL3	cg16094954	rs74607435	C	T	0.771	0.077	0.050	2.13E-23	0.020	0.033	0.557	0.026	99.282	TRUE	3.60E-22
COPD in ever smokers	BCL3	cg26470501	rs10421283	G	A	0.195	0.024	0.445	1.92E-16	0.003	0.015	0.852	0.018	67.648	TRUE	8.09E-16
COPD in ever smokers	BCL3	cg26470501	rs2965167	A	G	0.131	0.024	0.486	4.37E-08	-0.007	0.015	0.651	0.008	29.962	TRUE	1.08E-07
COPD in ever smokers	BCL3	cg26470501	rs35106910	C	A	-0.337	0.062	0.040	4.95E-08	-0.021	0.040	0.598	0.008	29.722	TRUE	1.30E-07
COPD in ever smokers	BCL3	cg26470501	rs419010	C	T	-0.146	0.024	0.450	7.40E-10	-0.015	0.015	0.313	0.010	37.891	TRUE	3.87E-09
COPD in ever smokers	BCL3	cg26470501	rs4803760	T	C	-0.163	0.030	0.198	4.45E-08	-0.003	0.019	0.887	0.008	29.924	TRUE	8.23E-08
COPD in ever smokers	BCL3	cg26470501	rs55840414	A	G	0.241	0.037	0.116	4.85E-11	0.018	0.023	0.421	0.012	43.213	TRUE	2.39E-10
COPD in ever smokers	BCL3	cg26470501	rs8100197	A	G	0.395	0.026	0.257	2.03E-50	0.023	0.017	0.165	0.057	222.853	TRUE	1.20E-46
COPD in ever smokers	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	0.030	0.015	0.048	0.027	101.937	TRUE	9.87E-22
COPD in ever smokers	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	0.007	0.016	0.665	0.008	29.870	TRUE	1.11E-07
COPD in ever smokers	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	-0.035	0.026	0.178	0.009	33.922	TRUE	3.62E-08
COPD in ever smokers	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	0.038	0.015	0.013	0.076	306.232	TRUE	6.03E-62
COPD in ever smokers	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	-0.001	0.023	0.954	0.048	184.887	TRUE	2.78E-40
COPD in ever smokers	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	0.010	0.020	0.619	0.010	36.822	TRUE	3.88E-09
COPD in ever smokers	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	0.032	0.015	0.038	0.008	30.918	TRUE	2.94E-07
COPD in ever smokers	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	0.012	0.017	0.464	0.012	43.872	TRUE	1.61E-10
COPD in ever smokers	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	0.005	0.015	0.717	0.013	48.071	TRUE	1.38E-11
COPD in ever smokers	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	-0.035	0.015	0.018	0.017	62.186	TRUE	1.86E-13
COPD in ever smokers	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	-0.038	0.035	0.272	0.010	37.546	TRUE	4.99E-09
COPD in ever smokers	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	-0.033	0.020	0.093	0.013	47.879	TRUE	6.71E-11
COPD in ever smokers	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	-0.009	0.019	0.648	0.013	47.025	TRUE	2.56E-11
COPD in ever smokers	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	0.015	0.017	0.370	0.017	62.911	TRUE	2.04E-14
COPD in ever smokers	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	0.032	0.017	0.061	0.027	101.312	TRUE	1.12E-21
COPD in ever smokers	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	-0.039	0.016	0.016	0.030	114.133	TRUE	6.95E-24
COPD in ever smokers	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	-0.046	0.017	0.008	0.021	79.694	TRUE	8.51E-17

COPD in ever smokers	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	0.031	0.016	0.046	0.013	50.075	TRUE	3.41E-11
COPD in ever smokers	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	-0.012	0.019	0.544	0.012	45.214	TRUE	7.30E-11
COPD in ever smokers	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	0.018	0.018	0.320	0.021	78.194	TRUE	1.58E-17
COPD in ever smokers	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	0.048	0.020	0.014	0.016	61.159	TRUE	3.34E-13
COPD in ever smokers	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	-0.013	0.022	0.547	0.011	42.259	TRUE	3.05E-10
COPD in ever smokers	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	0.006	0.017	0.734	0.009	34.087	TRUE	1.27E-08
COPD in ever smokers	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	0.033	0.016	0.033	0.141	608.856	TRUE	1.44E-120
COPD in ever smokers	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	-0.020	0.015	0.193	0.038	145.697	TRUE	3.85E-31
COPD in ever smokers	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	-0.032	0.023	0.168	0.013	48.152	TRUE	4.21E-11
COPD in ever smokers	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	-0.038	0.017	0.028	0.013	49.026	TRUE	7.01E-11
COPD in ever smokers	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.008	0.023	0.729	0.012	43.981	TRUE	9.97E-11
COPD in ever smokers	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	-0.029	0.020	0.148	0.012	44.584	TRUE	2.48E-10
COPD in ever smokers	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	0.034	0.016	0.035	0.032	121.653	TRUE	1.29E-25
COPD in ever smokers	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	0.001	0.020	0.967	0.010	38.906	TRUE	8.70E-10
COPD in ever smokers	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	0.021	0.023	0.365	0.010	37.442	TRUE	4.33E-09
COPD in ever smokers	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	0.031	0.019	0.108	0.009	34.590	TRUE	3.36E-08
COPD in ever smokers	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	0.047	0.027	0.087	0.014	53.379	TRUE	5.18E-12
COPD in ever smokers	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	-0.020	0.020	0.325	0.018	67.107	TRUE	3.08E-15
COPD in ever smokers	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	-0.025	0.017	0.143	0.023	87.887	TRUE	3.20E-19
COPD in ever smokers	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	0.059	0.032	0.062	0.009	34.222	TRUE	5.12E-08
COPD in ever smokers	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	0.017	0.021	0.422	0.011	42.145	TRUE	4.00E-10
COPD in ever smokers	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	0.012	0.019	0.527	0.012	46.067	TRUE	4.97E-11
COPD in ever smokers	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	-0.007	0.016	0.643	0.021	80.540	TRUE	2.37E-18
COPD in ever smokers	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	-0.006	0.016	0.712	0.027	102.289	TRUE	5.97E-23
COPD in ever smokers	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	0.005	0.015	0.717	0.012	43.795	TRUE	1.11E-10
COPD in ever smokers	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	-0.031	0.018	0.079	0.018	66.563	TRUE	1.11E-14
COPD in ever smokers	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	0.022	0.017	0.197	0.020	75.040	TRUE	1.08E-16
COPD in ever smokers	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	0.007	0.019	0.713	0.024	90.407	TRUE	1.78E-20
COPD in ever smokers	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	0.004	0.016	0.781	0.313	1684.549	TRUE	<1E-200
COPD in ever smokers	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	-0.041	0.019	0.034	0.027	101.718	TRUE	1.38E-21
COPD in ever smokers	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	0.009	0.020	0.655	0.017	65.056	TRUE	4.03E-15
COPD in ever smokers	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	0.020	0.024	0.406	0.008	31.632	TRUE	6.74E-08
COPD in ever smokers	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	0.029	0.028	0.306	0.009	31.997	TRUE	6.75E-08
COPD in ever smokers	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	-0.013	0.020	0.501	0.013	50.138	TRUE	7.24E-12
COPD in ever smokers	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	0.004	0.018	0.809	0.014	52.632	TRUE	1.29E-12
COPD in ever smokers	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	0.008	0.018	0.645	0.014	53.975	TRUE	8.78E-13
COPD in ever smokers	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.009	0.019	0.641	0.026	98.423	TRUE	4.47E-22
COPD in ever smokers	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	0.020	0.018	0.262	0.033	127.369	TRUE	1.50E-27
COPD in ever smokers	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	-0.004	0.017	0.835	0.032	120.724	TRUE	6.66E-27
COPD in ever smokers	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	-0.034	0.021	0.103	0.019	70.592	TRUE	1.41E-15
COPD in ever smokers	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	0.024	0.022	0.281	0.012	45.665	TRUE	9.90E-11
COPD in ever smokers	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	-0.042	0.021	0.047	0.014	51.508	TRUE	1.72E-11

COPD in ever smokers	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	0.009	0.015	0.559	0.018	67.488	TRUE	1.50E-15
COPD in ever smokers	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.005	0.027	0.847	0.014	52.465	TRUE	1.32E-12
COPD in ever smokers	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	0.035	0.019	0.061	0.021	77.669	TRUE	7.10E-17
COPD in ever smokers	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	-0.034	0.030	0.261	0.020	76.906	TRUE	3.50E-17
COPD in ever smokers	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	-0.012	0.023	0.587	0.019	70.382	TRUE	3.52E-16
COPD in ever smokers	BLK	cg21701351	rs58569413	T	G	-0.377	0.056	0.064	1.21E-11	0.027	0.032	0.403	0.012	45.934	TRUE	6.65E-11
COPD in ever smokers	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	0.054	0.022	0.015	0.024	91.221	TRUE	2.96E-19
COPD in ever smokers	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	0.002	0.020	0.917	0.012	43.998	TRUE	7.57E-11
COPD in ever smokers	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	-0.016	0.018	0.392	0.017	65.111	TRUE	6.76E-15
COPD in ever smokers	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	-0.015	0.018	0.403	0.042	160.723	TRUE	1.31E-34
COPD in ever smokers	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	0.037	0.027	0.170	0.014	52.494	TRUE	5.30E-12
COPD in ever smokers	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	-0.025	0.023	0.282	0.021	79.437	TRUE	9.81E-18
COPD in ever smokers	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	0.023	0.022	0.311	0.018	66.131	TRUE	5.10E-15
COPD in ever smokers	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	-0.016	0.018	0.391	0.027	102.454	TRUE	1.24E-22
COPD in ever smokers	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	0.023	0.024	0.322	0.011	42.171	TRUE	4.83E-10
COPD in ever smokers	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	-0.044	0.020	0.023	0.032	123.931	TRUE	5.87E-26
COPD in ever smokers	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	-0.043	0.019	0.025	0.012	44.452	TRUE	6.16E-10
COPD in ever smokers	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	0.008	0.032	0.801	0.009	31.730	TRUE	3.73E-08
COPD in ever smokers	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	-0.038	0.015	0.012	0.044	170.418	TRUE	4.54E-35
COPD in ever smokers	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	0.005	0.015	0.723	0.012	45.211	TRUE	5.51E-11
COPD in ever smokers	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	-0.044	0.017	0.008	0.039	148.483	TRUE	1.48E-30
COPD in ever smokers	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	0.028	0.015	0.059	0.051	200.249	TRUE	1.32E-41
COPD in ever smokers	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	0.031	0.023	0.174	0.010	38.234	TRUE	4.66E-09
COPD in ever smokers	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	0.000	0.023	0.990	0.011	40.412	TRUE	4.01E-10
COPD in ever smokers	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	0.008	0.016	0.601	0.013	49.589	TRUE	7.94E-12
COPD in ever smokers	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	-0.041	0.021	0.048	0.012	43.132	TRUE	8.66E-10
COPD in ever smokers	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	0.027	0.029	0.339	0.008	30.237	TRUE	1.49E-07
COPD in ever smokers	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	0.042	0.016	0.009	0.010	36.761	TRUE	3.14E-08
COPD in ever smokers	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	0.024	0.022	0.286	0.008	31.210	TRUE	1.03E-07
COPD in ever smokers	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	-0.016	0.016	0.311	0.011	40.072	TRUE	1.36E-09
COPD in ever smokers	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	-0.034	0.019	0.078	0.009	33.408	TRUE	6.85E-08
COPD in ever smokers	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	-0.014	0.023	0.545	0.009	33.283	TRUE	2.43E-08
COPD in ever smokers	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	-0.020	0.015	0.191	0.011	41.209	TRUE	1.07E-09
COPD in ever smokers	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	0.038	0.015	0.012	0.084	338.185	TRUE	3.62E-68
COPD in ever smokers	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	-0.035	0.015	0.021	0.010	35.609	TRUE	4.06E-08
COPD in ever smokers	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	-0.002	0.016	0.884	0.012	43.482	TRUE	1.02E-10
COPD in ever smokers	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	-0.013	0.020	0.501	0.013	47.868	TRUE	2.17E-11
COPD in ever smokers	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	-0.038	0.017	0.021	0.010	36.675	TRUE	2.46E-08
COPD in ever smokers	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	-0.008	0.019	0.663	0.011	40.391	TRUE	6.35E-10
COPD in ever smokers	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	0.023	0.022	0.311	0.025	93.325	TRUE	1.22E-20
COPD in ever smokers	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	-0.018	0.016	0.271	0.016	59.780	TRUE	1.19E-13
COPD in ever smokers	C15orf37	cg01351869	rs2865825	A	G	0.189	0.029	0.206	4.23E-11	0.029	0.018	0.103	0.012	43.481	TRUE	5.10E-10

COPD in ever smokers	C15orf37	cg01843524	rs12185084	A	G	-0.195	0.028	0.205	4.36E-12	0.018	0.018	0.298	0.013	47.929	TRUE	3.20E-11
COPD in ever smokers	C15orf37	cg01843524	rs12438434	T	C	0.136	0.025	0.334	4.46E-08	-0.015	0.016	0.360	0.008	29.923	TRUE	1.67E-07
COPD in ever smokers	C15orf37	cg01843524	rs12907077	T	C	0.215	0.032	0.145	1.43E-11	0.009	0.020	0.662	0.012	45.607	TRUE	4.99E-11
COPD in ever smokers	C15orf37	cg01843524	rs150450469	C	T	0.145	0.023	0.457	3.80E-10	0.025	0.015	0.096	0.010	39.193	TRUE	4.01E-09
COPD in ever smokers	C15orf37	cg01843524	rs2562756	G	A	-0.236	0.024	0.333	4.16E-22	-0.004	0.016	0.804	0.025	93.402	TRUE	3.49E-21
COPD in ever smokers	C15orf37	cg01843524	rs71409255	C	A	0.552	0.073	0.026	3.84E-14	-0.002	0.048	0.973	0.015	57.216	TRUE	1.07E-13
COPD in ever smokers	C15orf37	cg01843524	rs7171636	T	C	0.734	0.028	0.194	8.71E-154	-0.006	0.019	0.741	0.159	697.488	TRUE	2.10E-140
COPD in ever smokers	C15orf37	cg01843524	rs73487353	C	T	0.246	0.026	0.287	9.65E-22	-0.001	0.016	0.941	0.024	91.737	TRUE	5.92E-21
COPD in ever smokers	C15orf37	cg01843524	rs77013706	T	C	0.394	0.048	0.057	2.42E-16	-0.002	0.030	0.942	0.018	67.187	TRUE	8.66E-16
COPD in ever smokers	C15orf37	cg11970192	rs11636338	C	A	-0.177	0.024	0.354	4.60E-13	-0.008	0.015	0.593	0.014	52.339	TRUE	2.12E-12
COPD in ever smokers	C15orf37	cg11970192	rs11856039	T	C	0.214	0.027	0.235	5.25E-15	0.021	0.017	0.215	0.016	61.132	TRUE	7.42E-14
COPD in ever smokers	C15orf37	cg11970192	rs12437938	T	C	0.542	0.079	0.023	6.57E-12	-0.023	0.050	0.640	0.013	47.126	TRUE	2.47E-11
COPD in ever smokers	C15orf37	cg11970192	rs34847355	G	T	0.578	0.028	0.207	3.66E-93	0.028	0.018	0.123	0.102	418.966	TRUE	3.45E-85
COPD in ever smokers	C15orf37	cg11970192	rs4778756	C	T	-0.130	0.024	0.481	4.28E-08	-0.001	0.015	0.947	0.008	30.003	TRUE	7.38E-08
COPD in ever smokers	C15orf37	cg11970192	rs4994245	A	C	-0.432	0.024	0.352	1.62E-71	-0.035	0.016	0.025	0.080	319.598	TRUE	7.56E-65
COPD in ever smokers	C15orf37	cg11970192	rs6495449	A	G	-0.553	0.041	0.086	4.67E-42	-0.014	0.027	0.603	0.048	184.555	TRUE	9.10E-40
COPD in ever smokers	C15orf37	cg26829925	rs28671106	T	C	-0.190	0.029	0.198	7.13E-11	-0.006	0.019	0.757	0.011	42.460	TRUE	2.02E-10
COPD in ever smokers	C15orf37	cg27236825	rs36043829	G	A	-0.282	0.028	0.214	7.96E-24	0.026	0.018	0.144	0.027	101.232	TRUE	5.95E-22
COPD in ever smokers	C9orf72	cg05990720	rs17769038	A	G	-0.245	0.028	0.219	1.10E-18	-0.050	0.018	0.005	0.021	77.827	TRUE	2.51E-16
COPD in ever smokers	C9orf72	cg11613875	rs2492816	A	G	0.152	0.023	0.447	8.57E-11	-0.034	0.015	0.021	0.011	42.101	TRUE	1.97E-09
COPD in ever smokers	C9orf72	cg13934990	rs190259526	C	T	-1.512	0.102	0.012	1.98E-49	0.004	0.065	0.946	0.056	218.327	TRUE	4.10E-47
COPD in ever smokers	C9orf72	cg13958452	rs10967976	G	A	0.188	0.023	0.455	8.59E-16	-0.032	0.015	0.030	0.017	64.695	TRUE	4.57E-14
COPD in ever smokers	C9orf72	cg13958452	rs10967988	T	G	-0.417	0.022	0.442	7.55E-79	0.019	0.015	0.212	0.087	353.249	TRUE	9.82E-73
COPD in ever smokers	C9orf72	cg13958452	rs4879572	G	A	-0.417	0.061	0.072	7.88E-12	0.051	0.030	0.085	0.012	46.769	TRUE	1.19E-10
COPD in ever smokers	CAPN1	cg04962005	rs10895993	T	C	-0.465	0.043	0.074	8.14E-27	-0.042	0.028	0.127	0.030	114.872	TRUE	1.10E-24
COPD in ever smokers	CAPN1	cg05033401	rs11605576	A	C	0.163	0.025	0.360	3.65E-11	-0.025	0.016	0.110	0.012	43.769	TRUE	4.29E-10
COPD in ever smokers	CAPN1	cg07710883	rs11227132	G	A	0.468	0.084	0.017	2.18E-08	-0.030	0.052	0.560	0.008	31.310	TRUE	6.26E-08
COPD in ever smokers	CAPN1	cg07710883	rs1195963	T	C	0.265	0.031	0.172	6.68E-18	-0.022	0.020	0.256	0.020	74.269	TRUE	1.25E-16
COPD in ever smokers	CAPN1	cg07710883	rs1196617	C	T	0.181	0.023	0.467	1.27E-14	-0.014	0.015	0.363	0.016	59.393	TRUE	1.12E-13
COPD in ever smokers	CAPN1	cg07710883	rs148097428	A	G	0.352	0.055	0.047	2.11E-10	-0.068	0.035	0.053	0.011	40.336	TRUE	3.09E-09
COPD in ever smokers	CAPN1	cg07710883	rs564476	T	C	-0.525	0.044	0.077	2.09E-32	0.030	0.028	0.292	0.037	140.405	TRUE	2.86E-30
COPD in ever smokers	CAPN1	cg09620688	rs11605576	A	C	0.273	0.024	0.360	1.30E-29	-0.025	0.016	0.110	0.033	127.645	TRUE	3.13E-27
COPD in ever smokers	CAPN1	cg09620688	rs599670	T	G	-0.248	0.036	0.105	4.39E-12	0.019	0.022	0.391	0.013	47.918	TRUE	2.62E-11
COPD in ever smokers	CAPN1	cg13762244	rs608404	A	G	0.489	0.081	0.018	1.33E-09	0.016	0.052	0.765	0.010	36.743	TRUE	3.29E-09
COPD in ever smokers	CAPN1	cg13762244	rs6591179	G	T	0.394	0.034	0.128	2.58E-30	0.015	0.022	0.488	0.034	130.851	TRUE	1.31E-28
COPD in ever smokers	CAPN1	cg16697977	rs2271448	T	C	0.238	0.025	0.319	3.28E-21	-0.003	0.016	0.863	0.024	89.317	TRUE	2.22E-20
COPD in ever smokers	CAPN1	cg25363789	rs111513404	G	A	0.611	0.064	0.037	2.21E-21	-0.041	0.041	0.313	0.024	90.100	TRUE	5.60E-20
COPD in ever smokers	CAPN1	cg25363789	rs11227132	G	A	-0.651	0.083	0.017	6.33E-15	-0.030	0.052	0.560	0.016	60.764	TRUE	3.83E-14
COPD in ever smokers	CAPN1	cg25363789	rs11601539	C	A	0.521	0.050	0.055	7.21E-26	-0.022	0.030	0.475	0.029	110.548	TRUE	2.08E-24
COPD in ever smokers	CAPN1	cg25363789	rs11605377	T	C	0.466	0.085	0.038	4.05E-08	0.002	0.035	0.951	0.008	30.111	TRUE	6.96E-08
COPD in ever smokers	CAPN1	cg25363789	rs117446487	T	C	0.745	0.085	0.020	1.85E-18	0.072	0.053	0.174	0.020	76.797	TRUE	5.16E-17
COPD in ever smokers	CAPN1	cg25363789	rs1195964	A	G	-0.353	0.030	0.172	4.78E-31	-0.022	0.020	0.258	0.035	134.191	TRUE	6.14E-29

COPD in ever smokers	CAPN1	cg25363789	rs12573	G	A	0.179	0.030	0.178	2.57E-09	-0.040	0.020	0.040	0.009	35.468	TRUE	3.39E-08
COPD in ever smokers	CAPN1	cg25363789	rs17883561	A	G	-0.239	0.037	0.111	1.44E-10	0.007	0.023	0.755	0.011	41.084	TRUE	3.97E-10
COPD in ever smokers	CAPN1	cg25363789	rs487989	A	G	-0.210	0.033	0.153	3.55E-10	0.017	0.021	0.416	0.011	39.325	TRUE	1.58E-09
COPD in ever smokers	CAPN1	cg25363789	rs566189	C	T	-0.241	0.037	0.102	1.12E-10	0.020	0.022	0.360	0.011	41.572	TRUE	5.94E-10
COPD in ever smokers	CAPN1	cg25363789	rs57433602	T	C	-0.211	0.031	0.163	5.90E-12	0.022	0.019	0.254	0.013	47.337	TRUE	4.76E-11
COPD in ever smokers	CAPN1	cg25363789	rs613316	G	A	-0.269	0.027	0.256	9.01E-24	0.010	0.017	0.548	0.027	100.987	TRUE	1.63E-22
COPD in ever smokers	CAPN1	cg25363789	rs633727	G	A	-0.143	0.023	0.487	8.05E-10	-0.014	0.015	0.352	0.010	37.728	TRUE	3.86E-09
COPD in ever smokers	CAPN1	cg25363789	rs6591179	G	T	-0.356	0.035	0.128	2.52E-24	0.015	0.022	0.488	0.027	103.508	TRUE	5.72E-23
COPD in ever smokers	CAPN1	cg25363789	rs663767	A	C	0.231	0.025	0.319	2.26E-20	-0.009	0.016	0.561	0.023	85.499	TRUE	2.61E-19
COPD in ever smokers	CAPN1	cg25363789	rs739389	T	C	-0.253	0.028	0.222	1.63E-19	-0.011	0.018	0.524	0.022	81.595	TRUE	1.84E-18
COPD in ever smokers	CAPN1	cg25363789	rs7933509	G	A	0.889	0.022	0.304	<1E-200	-0.007	0.017	0.685	0.307	1639.161	TRUE	1.37E-305
COPD in ever smokers	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	-0.027	0.016	0.092	0.014	51.004	TRUE	1.55E-11
COPD in ever smokers	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	-0.005	0.018	0.769	0.015	57.165	TRUE	1.52E-13
COPD in ever smokers	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	0.012	0.018	0.509	0.016	58.619	TRUE	1.19E-13
COPD in ever smokers	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	-0.041	0.023	0.078	0.021	79.794	TRUE	2.24E-17
COPD in ever smokers	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	-0.050	0.015	8.55E-04	0.016	60.177	TRUE	1.54E-12
COPD in ever smokers	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	-0.008	0.015	0.591	0.012	44.854	TRUE	8.05E-11
COPD in ever smokers	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	-0.003	0.015	0.859	0.014	51.114	TRUE	2.52E-12
COPD in ever smokers	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	-0.025	0.016	0.123	0.009	34.432	TRUE	3.42E-08
COPD in ever smokers	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	-0.021	0.020	0.273	0.053	206.399	TRUE	1.24E-43
COPD in ever smokers	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	-0.029	0.015	0.052	0.046	177.180	TRUE	6.22E-37
COPD in ever smokers	CAPZB	cg07573717	rs67705352	T	G	0.138	0.024	0.375	9.39E-09	0.033	0.015	0.032	0.009	32.945	TRUE	1.20E-07
COPD in ever smokers	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	-0.002	0.015	0.888	0.013	48.807	TRUE	7.45E-12
COPD in ever smokers	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	-0.006	0.017	0.713	0.024	89.554	TRUE	2.68E-20
COPD in ever smokers	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	-0.024	0.025	0.324	0.016	58.979	TRUE	1.51E-13
COPD in ever smokers	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	-0.027	0.015	0.085	0.014	52.185	TRUE	9.25E-12
COPD in ever smokers	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	-0.037	0.028	0.193	0.010	38.411	TRUE	4.05E-09
COPD in ever smokers	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	0.022	0.052	0.676	0.017	65.252	TRUE	3.53E-15
COPD in ever smokers	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	0.011	0.018	0.520	0.012	46.328	TRUE	4.43E-11
COPD in ever smokers	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	-0.008	0.025	0.753	0.023	87.676	TRUE	6.10E-20
COPD in ever smokers	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	-0.042	0.020	0.035	0.011	40.134	TRUE	4.03E-09
COPD in ever smokers	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	-0.018	0.035	0.597	0.157	690.976	TRUE	8.07E-139
COPD in ever smokers	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	-0.014	0.021	0.518	0.011	42.113	TRUE	3.44E-10
COPD in ever smokers	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	0.034	0.016	0.034	0.038	146.098	TRUE	1.57E-30
COPD in ever smokers	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	0.027	0.015	0.075	0.017	65.137	TRUE	2.23E-14
COPD in ever smokers	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	-0.006	0.017	0.713	0.029	112.158	TRUE	5.30E-25
COPD in ever smokers	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	-0.013	0.018	0.479	0.017	63.025	TRUE	1.51E-14
COPD in ever smokers	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	0.022	0.052	0.676	0.021	77.636	TRUE	8.96E-18
COPD in ever smokers	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	-0.018	0.034	0.599	0.176	788.461	TRUE	5.39E-157
COPD in ever smokers	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	-0.004	0.018	0.826	0.025	96.177	TRUE	8.80E-22
COPD in ever smokers	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.014	0.020	0.499	0.023	87.333	TRUE	1.25E-19
COPD in ever smokers	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	-0.002	0.016	0.917	0.015	54.760	TRUE	3.87E-13

COPD in ever smokers	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	0.038	0.016	0.018	0.029	110.736	TRUE	3.13E-23
COPD in ever smokers	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	-0.042	0.020	0.035	0.015	56.519	TRUE	1.90E-12
COPD in ever smokers	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	0.083	0.049	0.089	0.019	72.434	TRUE	6.48E-16
COPD in ever smokers	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	0.001	0.017	0.961	0.029	109.424	TRUE	1.13E-24
COPD in ever smokers	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	0.027	0.015	0.075	0.016	60.748	TRUE	1.76E-13
COPD in ever smokers	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	0.010	0.018	0.583	0.036	138.191	TRUE	3.08E-30
COPD in ever smokers	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	-0.023	0.020	0.248	0.027	103.494	TRUE	1.24E-22
COPD in ever smokers	CAPZB	cg11335264	rs2006024	T	C	-0.152	0.025	0.319	1.62E-09	-0.007	0.016	0.666	0.010	36.361	TRUE	4.55E-09
COPD in ever smokers	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	-0.032	0.049	0.509	0.057	225.435	TRUE	6.24E-48
COPD in ever smokers	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	0.013	0.017	0.452	0.012	45.046	TRUE	9.30E-11
COPD in ever smokers	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	-0.020	0.015	0.177	0.010	39.037	TRUE	3.15E-09
COPD in ever smokers	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	-0.045	0.016	0.004	0.024	90.352	TRUE	8.58E-19
COPD in ever smokers	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	0.003	0.020	0.866	0.010	36.405	TRUE	3.41E-09
COPD in ever smokers	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	0.009	0.017	0.584	0.008	31.000	TRUE	7.04E-08
COPD in ever smokers	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	0.006	0.017	0.712	0.012	43.676	TRUE	1.19E-10
COPD in ever smokers	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	-0.009	0.015	0.561	0.113	470.631	TRUE	1.22E-96
COPD in ever smokers	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	-0.010	0.021	0.626	0.015	56.257	TRUE	3.00E-13
COPD in ever smokers	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	-0.008	0.025	0.753	0.010	37.399	TRUE	2.43E-09
COPD in ever smokers	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	-0.018	0.035	0.606	0.031	116.757	TRUE	7.67E-26
COPD in ever smokers	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	0.018	0.022	0.395	0.010	38.063	TRUE	3.03E-09
COPD in ever smokers	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	-0.044	0.016	0.005	0.013	48.842	TRUE	1.52E-10
COPD in ever smokers	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	0.049	0.018	0.006	0.010	39.006	TRUE	1.32E-08
COPD in ever smokers	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	-0.018	0.035	0.598	0.011	39.860	TRUE	9.06E-10
COPD in ever smokers	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	0.050	0.018	0.004	0.022	82.598	TRUE	2.90E-17
COPD in ever smokers	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	-0.004	0.018	0.826	0.011	41.664	TRUE	2.70E-10
COPD in ever smokers	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	0.010	0.017	0.569	0.069	275.362	TRUE	4.28E-58
COPD in ever smokers	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	-0.047	0.054	0.390	0.009	34.016	TRUE	2.17E-08
COPD in ever smokers	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	0.018	0.022	0.395	0.010	35.537	TRUE	1.03E-08
COPD in ever smokers	CAPZB	cg16694480	rs4912101	G	A	0.143	0.026	0.281	2.32E-08	-0.004	0.017	0.804	0.008	31.190	TRUE	4.85E-08
COPD in ever smokers	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	0.010	0.017	0.560	0.010	37.070	TRUE	3.74E-09
COPD in ever smokers	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	0.047	0.017	0.007	0.028	108.057	TRUE	1.88E-22
COPD in ever smokers	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	-0.044	0.016	0.005	0.016	60.828	TRUE	6.17E-13
COPD in ever smokers	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	-0.028	0.041	0.493	0.008	31.371	TRUE	6.68E-08
COPD in ever smokers	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	-0.009	0.015	0.547	0.036	139.868	TRUE	1.54E-30
COPD in ever smokers	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.054	0.045	0.227	0.017	64.571	TRUE	1.39E-14
COPD in ever smokers	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	-0.021	0.029	0.480	0.013	48.114	TRUE	2.00E-11
COPD in ever smokers	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	-0.016	0.035	0.652	0.058	228.169	TRUE	1.04E-48
COPD in ever smokers	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	-0.001	0.020	0.940	0.009	33.355	TRUE	1.41E-08
COPD in ever smokers	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	0.022	0.052	0.676	0.014	51.486	TRUE	2.79E-12
COPD in ever smokers	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	-0.012	0.018	0.497	0.015	57.323	TRUE	2.27E-13
COPD in ever smokers	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	-0.020	0.016	0.207	0.015	56.329	TRUE	7.50E-13
COPD in ever smokers	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	0.006	0.017	0.736	0.279	1428.478	TRUE	1.31E-270

COPD in ever smokers	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	-0.042	0.020	0.035	0.012	46.466	TRUE	2.09E-10
COPD in ever smokers	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	0.012	0.015	0.422	0.015	55.710	TRUE	5.77E-13
COPD in ever smokers	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	-0.034	0.023	0.137	0.027	103.222	TRUE	2.43E-22
COPD in ever smokers	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	0.028	0.016	0.084	0.028	108.269	TRUE	3.38E-23
COPD in ever smokers	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	0.000	0.041	0.994	0.016	60.028	TRUE	2.61E-14
COPD in ever smokers	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	-0.015	0.040	0.718	0.011	40.234	TRUE	6.34E-10
COPD in ever smokers	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	0.021	0.023	0.367	0.008	30.840	TRUE	1.06E-07
COPD in ever smokers	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	0.006	0.017	0.712	0.009	35.321	TRUE	7.12E-09
COPD in ever smokers	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	0.002	0.015	0.894	0.011	41.717	TRUE	2.40E-10
COPD in ever smokers	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	0.001	0.020	0.940	0.013	50.196	TRUE	3.49E-12
COPD in ever smokers	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	0.004	0.015	0.769	0.021	80.717	TRUE	1.69E-18
COPD in ever smokers	CAPZB	cg24593138	rs2006024	T	C	-0.146	0.025	0.319	7.36E-09	-0.007	0.016	0.666	0.009	33.420	TRUE	1.93E-08
COPD in ever smokers	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	-0.007	0.015	0.653	0.486	3497.727	TRUE	<1E-200
COPD in ever smokers	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	-0.027	0.032	0.402	0.065	255.447	TRUE	8.70E-54
COPD in ever smokers	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	0.076	0.052	0.141	0.010	37.290	TRUE	8.19E-09
COPD in ever smokers	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	-0.047	0.054	0.390	0.011	41.110	TRUE	7.00E-10
COPD in ever smokers	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	0.000	0.018	0.989	0.012	45.732	TRUE	2.91E-11
COPD in ever smokers	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	0.061	0.039	0.115	0.031	116.494	TRUE	5.59E-25
COPD in ever smokers	CAPZB	cg24593138	rs72653926	A	G	-0.311	0.024	0.428	9.53E-40	-0.018	0.016	0.260	0.045	173.981	TRUE	4.82E-37
COPD in ever smokers	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	0.018	0.022	0.395	0.047	180.875	TRUE	1.06E-38
COPD in ever smokers	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	-0.041	0.036	0.252	0.009	34.569	TRUE	2.19E-08
COPD in ever smokers	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	-0.002	0.016	0.881	0.023	85.418	TRUE	1.41E-19
COPD in ever smokers	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	0.097	0.046	0.036	0.012	44.067	TRUE	6.33E-10
COPD in ever smokers	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	0.000	0.041	0.994	0.013	47.360	TRUE	1.30E-11
COPD in ever smokers	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	-0.015	0.040	0.718	0.009	33.401	TRUE	1.81E-08
COPD in ever smokers	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	-0.027	0.033	0.410	0.049	190.977	TRUE	8.83E-41
COPD in ever smokers	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	0.011	0.017	0.525	0.018	69.504	TRUE	6.10E-16
COPD in ever smokers	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	-0.047	0.015	0.002	0.090	365.961	TRUE	9.07E-73
COPD in ever smokers	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	0.006	0.017	0.712	0.018	69.668	TRUE	3.91E-16
COPD in ever smokers	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	-0.018	0.028	0.512	0.012	45.307	TRUE	7.36E-11
COPD in ever smokers	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.054	0.045	0.227	0.030	116.327	TRUE	3.18E-25
COPD in ever smokers	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	-0.021	0.029	0.480	0.021	78.333	TRUE	9.74E-18
COPD in ever smokers	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	-0.017	0.035	0.621	0.083	336.849	TRUE	1.80E-70
COPD in ever smokers	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	0.042	0.027	0.124	0.011	41.990	TRUE	9.36E-10
COPD in ever smokers	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	-0.001	0.020	0.940	0.016	58.238	TRUE	6.82E-14
COPD in ever smokers	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	0.022	0.052	0.676	0.027	101.634	TRUE	8.88E-23
COPD in ever smokers	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	-0.004	0.018	0.826	0.039	151.340	TRUE	3.15E-33
COPD in ever smokers	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	-0.012	0.018	0.497	0.030	115.217	TRUE	2.13E-25
COPD in ever smokers	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	0.001	0.016	0.941	0.028	107.564	TRUE	2.89E-24
COPD in ever smokers	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	-0.020	0.016	0.207	0.023	87.968	TRUE	2.26E-19
COPD in ever smokers	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	0.001	0.017	0.971	0.443	2945.622	TRUE	<1E-200
COPD in ever smokers	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	0.003	0.020	0.874	0.013	47.945	TRUE	1.16E-11

COPD in ever smokers	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	-0.014	0.024	0.552	0.013	48.424	TRUE	1.52E-11
COPD in ever smokers	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	-0.042	0.020	0.035	0.017	65.553	TRUE	2.80E-14
COPD in ever smokers	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	-0.047	0.054	0.390	0.023	85.868	TRUE	3.33E-19
COPD in ever smokers	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	0.009	0.015	0.572	0.022	83.390	TRUE	7.01E-19
COPD in ever smokers	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	0.083	0.049	0.089	0.009	34.763	TRUE	3.39E-08
COPD in ever smokers	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	0.018	0.022	0.395	0.035	134.702	TRUE	2.85E-29
COPD in ever smokers	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	0.000	0.041	0.994	0.029	109.754	TRUE	9.00E-25
COPD in ever smokers	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	-0.015	0.040	0.718	0.025	95.335	TRUE	1.65E-21
COPD in ever smokers	CAV1	cg01265597	rs2742125	T	C	0.264	0.032	0.165	7.53E-17	-0.019	0.021	0.373	0.018	69.491	TRUE	8.69E-16
COPD in ever smokers	CAV1	cg01971483	rs56014347	T	C	0.553	0.042	0.076	3.40E-39	0.054	0.026	0.040	0.044	171.455	TRUE	1.12E-35
COPD in ever smokers	CAV1	cg04474049	rs2742125	T	C	0.513	0.032	0.165	3.08E-59	-0.019	0.021	0.373	0.066	263.281	TRUE	2.67E-55
COPD in ever smokers	CAV1	cg04474049	rs7788470	C	T	0.165	0.024	0.381	4.45E-12	0.016	0.015	0.306	0.013	47.891	TRUE	3.20E-11
COPD in ever smokers	CAV1	cg05232628	rs141996391	C	T	-0.383	0.068	0.033	1.50E-08	0.021	0.045	0.643	0.009	32.037	TRUE	3.91E-08
COPD in ever smokers	CAV1	cg05232628	rs4604369	T	G	-0.161	0.023	0.454	5.76E-12	0.002	0.015	0.873	0.013	47.385	TRUE	1.53E-11
COPD in ever smokers	CAV1	cg05232628	rs9920	C	T	-0.762	0.038	0.097	8.74E-88	0.048	0.024	0.044	0.096	394.271	TRUE	9.89E-80
COPD in ever smokers	CAV1	cg05917273	rs10241283	G	A	-1.054	0.022	0.213	<1E-200	0.001	0.018	0.955	0.377	2236.723	TRUE	<1E-200
COPD in ever smokers	CAV1	cg05917273	rs117002347	G	A	0.297	0.042	0.166	1.37E-12	-0.011	0.019	0.582	0.013	50.200	TRUE	6.10E-12
COPD in ever smokers	CAV1	cg05917273	rs1180297	T	C	0.306	0.031	0.181	5.06E-23	-0.034	0.020	0.085	0.026	97.570	TRUE	5.02E-21
COPD in ever smokers	CAV1	cg05917273	rs13240764	C	T	-0.151	0.024	0.420	2.10E-10	0.008	0.015	0.585	0.011	40.353	TRUE	7.27E-10
COPD in ever smokers	CAV1	cg05917273	rs146410097	C	T	-1.035	0.104	0.014	3.66E-23	0.022	0.064	0.727	0.026	98.214	TRUE	4.08E-22
COPD in ever smokers	CAV1	cg05917273	rs3807986	G	A	0.571	0.027	0.233	7.69E-98	0.012	0.018	0.512	0.106	440.443	TRUE	1.19E-90
COPD in ever smokers	CAV1	cg05917273	rs61227992	G	A	0.209	0.028	0.219	6.03E-14	-0.026	0.018	0.144	0.015	56.332	TRUE	9.56E-13
COPD in ever smokers	CAV1	cg05917273	rs62475241	T	C	-0.473	0.047	0.064	6.73E-24	0.031	0.028	0.273	0.027	101.565	TRUE	2.80E-22
COPD in ever smokers	CAV1	cg05917273	rs6955882	T	C	-1.198	0.089	0.017	2.54E-41	-0.071	0.055	0.198	0.047	181.184	TRUE	2.38E-38
COPD in ever smokers	CAV1	cg05917273	rs6965181	A	G	-0.208	0.023	0.481	5.27E-19	0.007	0.015	0.627	0.021	79.283	TRUE	4.47E-18
COPD in ever smokers	CAV1	cg05917273	rs73203902	A	C	-0.249	0.039	0.103	2.21E-10	-0.006	0.025	0.799	0.011	40.254	TRUE	5.61E-10
COPD in ever smokers	CAV1	cg05917273	rs73208115	G	A	-1.086	0.104	0.023	2.10E-25	0.001	0.050	0.988	0.028	108.427	TRUE	1.72E-24
COPD in ever smokers	CAV1	cg05917273	rs73471162	T	G	-0.532	0.082	0.023	7.69E-11	0.067	0.050	0.180	0.011	42.312	TRUE	6.54E-10
COPD in ever smokers	CAV1	cg05917273	rs76819239	G	A	-1.111	0.078	0.024	1.57E-46	0.036	0.051	0.476	0.053	205.034	TRUE	9.59E-44
COPD in ever smokers	CAV1	cg05917273	rs77308085	A	G	-1.112	0.072	0.027	8.56E-54	0.003	0.048	0.947	0.061	238.322	TRUE	3.48E-51
COPD in ever smokers	CAV1	cg05917273	rs77772587	G	A	-0.505	0.068	0.031	7.63E-14	0.007	0.040	0.866	0.015	55.870	TRUE	2.44E-13
COPD in ever smokers	CAV1	cg07838272	rs3807986	G	A	0.182	0.028	0.233	4.98E-11	0.012	0.018	0.512	0.012	43.161	TRUE	2.09E-10
COPD in ever smokers	CAV1	cg07838272	rs926198	C	T	0.134	0.024	0.351	3.69E-08	-0.035	0.016	0.030	0.008	30.291	TRUE	4.28E-07
COPD in ever smokers	CAV1	cg17469978	rs3807986	G	A	0.172	0.028	0.233	6.12E-10	0.012	0.018	0.512	0.010	38.263	TRUE	2.25E-09
COPD in ever smokers	CAV1	cg17469978	rs926198	C	T	0.138	0.025	0.351	2.03E-08	-0.035	0.016	0.030	0.008	31.446	TRUE	2.49E-07
COPD in ever smokers	CAV1	cg24770985	rs77650741	T	G	0.687	0.111	0.028	6.89E-10	-0.030	0.049	0.539	0.010	38.031	TRUE	2.42E-09
COPD in ever smokers	CD38	cg11207385	rs7674301	A	C	0.161	0.028	0.224	6.38E-09	-0.007	0.018	0.676	0.009	33.698	TRUE	1.66E-08
COPD in ever smokers	CD38	cg12580743	rs10939634	G	A	0.219	0.023	0.483	1.07E-21	0.045	0.015	0.002	0.024	91.536	TRUE	6.39E-19
COPD in ever smokers	CD38	cg12580743	rs13353624	A	G	0.405	0.063	0.037	1.78E-10	0.073	0.040	0.066	0.011	40.671	TRUE	2.38E-09
COPD in ever smokers	CD38	cg12580743	rs7654487	A	G	0.136	0.024	0.362	2.30E-08	-0.016	0.016	0.300	0.008	31.205	TRUE	1.00E-07
COPD in ever smokers	CD38	cg20931972	rs13434425	C	T	0.583	0.073	0.026	1.26E-15	0.017	0.044	0.699	0.017	63.945	TRUE	6.37E-15
COPD in ever smokers	CD38	cg20931972	rs4396987	A	C	0.152	0.026	0.292	3.97E-09	0.021	0.016	0.202	0.009	34.622	TRUE	2.42E-08

COPD in ever smokers	CD70	cg22633597	rs10425142	A	G	0.260	0.031	0.179	3.63E-17	0.013	0.020	0.534	0.019	70.929	TRUE	3.02E-16
COPD in ever smokers	CD70	cg22633597	rs12971302	C	T	-0.460	0.025	0.314	6.21E-77	0.020	0.016	0.207	0.085	344.460	TRUE	5.53E-71
COPD in ever smokers	CD70	cg22633597	rs344590	T	C	-0.319	0.045	0.148	8.88E-13	-0.046	0.022	0.035	0.014	51.049	TRUE	2.45E-11
COPD in ever smokers	CD70	cg22633597	rs685587	A	G	0.277	0.033	0.389	5.97E-17	-0.004	0.015	0.817	0.019	69.950	TRUE	2.82E-16
COPD in ever smokers	CD70	cg26737640	rs10423611	T	C	0.130	0.024	0.451	4.01E-08	0.027	0.015	0.082	0.008	30.126	TRUE	3.16E-07
COPD in ever smokers	CD70	cg26737640	rs112136162	A	G	-0.267	0.024	0.430	1.38E-29	-0.031	0.015	0.042	0.033	127.528	TRUE	7.35E-27
COPD in ever smokers	CDK5R1	cg06366062	rs149898952	T	C	0.598	0.106	0.015	1.63E-08	-0.089	0.065	0.169	0.009	31.878	TRUE	9.89E-08
COPD in ever smokers	CDK5R1	cg07437263	rs10775410	T	C	-0.219	0.023	0.470	3.89E-21	0.009	0.015	0.568	0.023	88.981	TRUE	4.85E-20
COPD in ever smokers	CDK5R1	cg07437263	rs17733169	A	G	0.444	0.062	0.065	1.08E-12	0.020	0.031	0.513	0.014	50.669	TRUE	5.49E-12
COPD in ever smokers	CDK5R1	cg07437263	rs2519866	C	T	0.269	0.034	0.290	1.08E-15	-0.041	0.016	0.011	0.017	64.244	TRUE	8.86E-14
COPD in ever smokers	CDK5R1	cg07437263	rs7223126	C	A	0.179	0.026	0.298	4.78E-12	-0.018	0.016	0.277	0.013	47.748	TRUE	3.69E-11
COPD in ever smokers	CDK5R1	cg07437263	rs76128637	A	G	-0.511	0.051	0.132	8.04E-24	-0.008	0.023	0.718	0.027	101.213	TRUE	9.88E-23
COPD in ever smokers	CDK5R1	cg07437263	rs80135683	A	G	-0.210	0.035	0.131	2.28E-09	-0.010	0.022	0.655	0.010	35.697	TRUE	6.39E-09
COPD in ever smokers	CDK5R1	cg10898212	rs112012084	G	A	0.145	0.025	0.320	9.09E-09	-0.040	0.018	0.029	0.009	33.009	TRUE	1.21E-07
COPD in ever smokers	CDK5R1	cg10898212	rs574644864	A	G	-0.186	0.024	0.440	2.31E-15	0.001	0.015	0.924	0.017	62.743	TRUE	7.77E-15
COPD in ever smokers	CDK5R1	cg10898212	rs80135683	A	G	-0.198	0.035	0.131	1.87E-08	-0.010	0.022	0.655	0.008	31.604	TRUE	4.77E-08
COPD in ever smokers	CDK5R1	cg12504804	rs11656631	T	C	-0.165	0.023	0.467	9.93E-13	0.025	0.015	0.092	0.014	50.830	TRUE	1.68E-11
COPD in ever smokers	CDK5R1	cg18473137	rs10775410	T	C	-0.228	0.023	0.470	1.09E-22	0.009	0.015	0.568	0.025	96.046	TRUE	1.65E-21
COPD in ever smokers	CDK5R1	cg18473137	rs2519866	C	T	0.218	0.034	0.290	8.82E-11	-0.041	0.016	0.011	0.011	42.044	TRUE	2.55E-09
COPD in ever smokers	CDK5R1	cg18473137	rs76128637	A	G	-0.454	0.051	0.132	5.13E-19	-0.008	0.023	0.718	0.021	79.334	TRUE	3.64E-18
COPD in ever smokers	CDK5R1	cg19634527	rs9333300	T	C	0.896	0.108	0.014	1.08E-16	-0.098	0.064	0.125	0.018	68.776	TRUE	2.92E-15
COPD in ever smokers	CDK5R1	cg21855910	rs10775410	T	C	-0.198	0.023	0.470	1.83E-17	0.009	0.015	0.568	0.019	72.279	TRUE	1.47E-16
COPD in ever smokers	CDK5R1	cg21855910	rs117117721	T	C	-0.712	0.073	0.023	2.19E-22	-0.021	0.044	0.628	0.025	94.674	TRUE	2.77E-21
COPD in ever smokers	CDK5R1	cg22322863	rs62062462	T	C	0.185	0.023	0.478	2.35E-15	-0.032	0.015	0.034	0.017	62.713	TRUE	1.07E-13
COPD in ever smokers	CLTB	cg18431408	rs111288271	A	G	-0.429	0.044	0.071	1.32E-22	0.007	0.028	0.799	0.025	95.678	TRUE	1.18E-21
COPD in ever smokers	CLTB	cg18431408	rs11956701	G	A	-0.168	0.023	0.459	6.85E-13	0.046	0.015	0.002	0.014	51.559	TRUE	5.55E-11
COPD in ever smokers	CLTB	cg18431408	rs142388826	A	G	1.216	0.100	0.016	3.94E-34	-0.037	0.054	0.496	0.039	148.287	TRUE	3.36E-32
COPD in ever smokers	CLTB	cg18431408	rs4868641	A	G	0.304	0.042	0.080	4.66E-13	-0.010	0.027	0.725	0.014	52.316	TRUE	1.72E-12
COPD in ever smokers	CLTB	cg22584580	rs2913732	C	T	-0.130	0.024	0.496	4.02E-08	0.036	0.015	0.016	0.008	30.125	TRUE	5.71E-07
COPD in ever smokers	CLTB	cg22584580	rs7736666	A	G	-0.224	0.025	0.330	5.18E-19	0.023	0.016	0.148	0.021	79.314	TRUE	1.78E-17
COPD in ever smokers	CLTB	cg24735937	rs114640249	T	C	0.269	0.041	0.091	7.71E-11	0.006	0.027	0.814	0.011	42.308	TRUE	2.00E-10
COPD in ever smokers	CLTB	cg24735937	rs3199427	A	G	0.180	0.028	0.226	1.36E-10	-0.002	0.018	0.933	0.011	41.195	TRUE	2.94E-10
COPD in ever smokers	CLTB	cg24735937	rs564145093	T	C	-0.287	0.042	0.081	5.29E-12	-0.016	0.025	0.522	0.013	47.550	TRUE	2.44E-11
COPD in ever smokers	CLTB	cg24735937	rs62402495	T	C	0.502	0.086	0.041	5.98E-09	0.043	0.045	0.343	0.009	33.822	TRUE	2.60E-08
COPD in ever smokers	CLTB	cg24735937	rs67877276	T	C	0.568	0.024	0.381	7.83E-128	0.038	0.015	0.012	0.135	578.216	TRUE	3.55E-114
COPD in ever smokers	CLTB	cg24735937	rs6862846	A	G	0.241	0.032	0.165	1.03E-13	0.021	0.020	0.287	0.015	55.274	TRUE	9.77E-13
COPD in ever smokers	CSNK2A1	cg07511836	rs459710	C	T	0.469	0.024	0.367	6.58E-83	0.039	0.015	0.011	0.091	371.881	TRUE	1.11E-74
COPD in ever smokers	CSNK2A1	cg07511836	rs6107302	G	A	0.142	0.026	0.319	3.13E-08	0.015	0.016	0.349	0.008	30.608	TRUE	1.22E-07
COPD in ever smokers	CSNK2A1	cg07789225	rs157816	T	C	0.139	0.025	0.350	2.44E-08	0.035	0.016	0.025	0.008	31.089	TRUE	3.15E-07
COPD in ever smokers	CSNK2A1	cg23481873	rs189975	T	C	0.175	0.026	0.288	2.43E-11	0.057	0.016	5.54E-04	0.012	44.564	TRUE	2.07E-09
COPD in ever smokers	CSNK2A1	cg26292976	rs459710	C	T	0.240	0.024	0.367	7.60E-23	0.039	0.015	0.011	0.025	96.767	TRUE	2.62E-20
COPD in ever smokers	CUL3	cg06170657	rs10933066	C	T	0.134	0.024	0.357	2.57E-08	-0.004	0.016	0.809	0.008	30.988	TRUE	5.33E-08

COPD in ever smokers	CUL3	cg06170657	rs1468988	A	C	0.208	0.034	0.150	6.49E-10	-0.009	0.021	0.671	0.010	38.146	TRUE	1.88E-09
COPD in ever smokers	CUL3	cg06170657	rs16865796	G	T	0.277	0.035	0.129	1.95E-15	0.039	0.023	0.087	0.017	63.081	TRUE	5.39E-14
COPD in ever smokers	CUL3	cg06170657	rs16866077	G	A	0.216	0.028	0.220	8.08E-15	-0.001	0.018	0.954	0.016	60.282	TRUE	2.46E-14
COPD in ever smokers	CUL3	cg06170657	rs6757927	C	T	0.269	0.032	0.156	1.38E-17	-0.013	0.020	0.529	0.019	72.839	TRUE	1.22E-16
COPD in ever smokers	CUL3	cg06170657	rs72962707	A	G	1.856	0.076	0.024	4.09E-131	-0.045	0.050	0.360	0.138	593.297	TRUE	1.11E-119
COPD in ever smokers	CUL3	cg06867755	rs112267519	A	G	0.487	0.076	0.026	1.87E-10	0.015	0.044	0.739	0.011	40.579	TRUE	5.20E-10
COPD in ever smokers	CUL3	cg06867755	rs12993060	T	C	0.203	0.029	0.197	4.69E-12	0.039	0.019	0.038	0.013	47.788	TRUE	1.09E-10
COPD in ever smokers	CUL3	cg06867755	rs12995931	G	A	0.158	0.025	0.301	6.13E-10	0.047	0.016	0.004	0.010	38.259	TRUE	2.09E-08
COPD in ever smokers	CUL3	cg06867755	rs16866294	T	C	-0.193	0.030	0.185	1.28E-10	0.002	0.020	0.933	0.011	41.319	TRUE	2.77E-10
COPD in ever smokers	CUL3	cg06867755	rs3768897	A	G	-0.213	0.034	0.134	6.29E-10	0.011	0.022	0.623	0.010	38.208	TRUE	1.96E-09
COPD in ever smokers	CUL3	cg06867755	rs3845840	A	G	0.588	0.024	0.320	4.49E-132	0.024	0.016	0.132	0.139	597.705	TRUE	1.60E-119
COPD in ever smokers	CUL3	cg06867755	rs6741164	T	C	-0.220	0.026	0.293	1.27E-17	-0.035	0.016	0.034	0.019	73.000	TRUE	8.90E-16
COPD in ever smokers	CUL3	cg06867755	rs72962751	T	C	-0.321	0.059	0.041	4.52E-08	-0.073	0.037	0.050	0.008	29.895	TRUE	4.29E-07
COPD in ever smokers	CUL3	cg06867755	rs72968578	C	T	-0.256	0.045	0.074	1.67E-08	-0.007	0.029	0.815	0.009	31.830	TRUE	3.49E-08
COPD in ever smokers	CUL3	cg22455342	rs116391583	G	A	0.368	0.053	0.051	4.59E-12	-0.067	0.036	0.060	0.013	47.827	TRUE	8.61E-11
COPD in ever smokers	CUL3	cg22455342	rs11694220	T	C	0.343	0.032	0.154	1.51E-26	0.009	0.020	0.652	0.030	113.646	TRUE	3.01E-25
COPD in ever smokers	CUL3	cg22455342	rs13024433	C	A	0.202	0.025	0.301	1.98E-15	0.047	0.016	0.004	0.017	63.046	TRUE	2.42E-13
COPD in ever smokers	CUL3	cg22455342	rs146410838	A	G	-0.675	0.120	0.011	1.74E-08	-0.034	0.067	0.609	0.009	31.750	TRUE	4.71E-08
COPD in ever smokers	CUL3	cg22455342	rs1916762	A	G	0.255	0.031	0.172	2.76E-16	0.019	0.020	0.333	0.018	66.929	TRUE	3.28E-15
COPD in ever smokers	CUL3	cg22455342	rs35380339	T	G	-0.475	0.066	0.063	7.07E-13	-0.004	0.031	0.886	0.014	51.496	TRUE	2.00E-12
COPD in ever smokers	CUL3	cg22455342	rs4380226	T	C	0.298	0.027	0.256	2.57E-28	-0.003	0.017	0.859	0.032	121.721	TRUE	3.91E-27
COPD in ever smokers	CUL3	cg22455342	rs6721570	T	C	0.319	0.029	0.194	2.30E-27	-0.039	0.019	0.043	0.031	117.372	TRUE	8.01E-25
COPD in ever smokers	CUL4A	cg07827107	rs9549698	G	A	-0.154	0.027	0.262	9.27E-09	0.032	0.017	0.060	0.009	32.972	TRUE	9.33E-08
COPD in ever smokers	CUL4A	cg10012867	rs3861723	G	A	0.246	0.027	0.248	9.89E-20	0.014	0.017	0.431	0.022	82.585	TRUE	1.43E-18
COPD in ever smokers	CUL4A	cg10914120	rs9549361	C	T	0.236	0.028	0.239	1.07E-17	0.023	0.018	0.194	0.019	73.347	TRUE	2.43E-16
COPD in ever smokers	CUL4A	cg11232054	rs56129102	T	C	-0.225	0.026	0.278	4.61E-18	-0.009	0.017	0.587	0.020	75.001	TRUE	3.81E-17
COPD in ever smokers	CUL4A	cg14896830	rs35306827	A	G	0.200	0.028	0.240	4.98E-13	0.021	0.018	0.228	0.014	52.186	TRUE	5.05E-12
COPD in ever smokers	CUL4A	cg17689702	rs3764125	A	G	0.246	0.028	0.241	5.11E-19	0.022	0.018	0.222	0.021	79.344	TRUE	1.26E-17
COPD in ever smokers	CUL5	cg18191196	rs11212525	T	G	-0.292	0.027	0.260	3.52E-28	0.029	0.017	0.089	0.032	121.096	TRUE	8.02E-26
COPD in ever smokers	CUL5	cg18191196	rs11212631	C	T	0.370	0.029	0.197	7.53E-37	-0.011	0.019	0.573	0.042	160.724	TRUE	7.46E-35
COPD in ever smokers	CUL5	cg18191196	rs11212707	A	G	-0.165	0.026	0.282	2.29E-10	0.032	0.017	0.052	0.011	40.178	TRUE	3.34E-09
COPD in ever smokers	CUL5	cg18191196	rs117187961	A	C	-0.448	0.071	0.029	2.23E-10	0.048	0.042	0.255	0.011	40.230	TRUE	1.43E-09
COPD in ever smokers	CUL5	cg18191196	rs3858396	G	T	-0.448	0.023	0.407	1.73E-81	0.016	0.015	0.279	0.090	365.364	TRUE	2.45E-75
COPD in ever smokers	CUL5	cg18191196	rs4335507	C	A	-0.164	0.024	0.368	1.35E-11	-0.006	0.016	0.717	0.012	45.714	TRUE	4.36E-11
COPD in ever smokers	CUL5	cg18191196	rs72993540	T	G	1.037	0.151	0.013	7.37E-12	-0.072	0.064	0.262	0.013	46.902	TRUE	5.74E-11
COPD in ever smokers	CUL5	cg18191196	rs73000522	T	C	1.296	0.041	0.079	6.98E-217	-0.029	0.028	0.296	0.211	987.553	TRUE	3.52E-192
COPD in ever smokers	CUL5	cg18191196	rs77472793	T	C	0.333	0.059	0.043	1.97E-08	-0.042	0.034	0.213	0.008	31.502	TRUE	1.05E-07
COPD in ever smokers	CUL5	cg20080282	rs10890808	T	C	0.211	0.024	0.362	4.54E-18	-0.036	0.016	0.020	0.020	75.031	TRUE	4.51E-16
COPD in ever smokers	CX3CR1	cg00262061	rs4996738	G	T	0.179	0.025	0.331	9.57E-13	-0.004	0.016	0.799	0.014	50.903	TRUE	3.06E-12
COPD in ever smokers	CX3CR1	cg00262061	rs56236279	G	A	-0.384	0.065	0.044	2.72E-09	0.014	0.034	0.678	0.009	35.355	TRUE	7.32E-09
COPD in ever smokers	CX3CR1	cg00262061	rs73060520	C	T	0.266	0.041	0.089	8.78E-11	-0.047	0.026	0.074	0.011	42.054	TRUE	1.18E-09
COPD in ever smokers	CX3CR1	cg00262061	rs73071876	G	A	0.169	0.030	0.192	1.82E-08	0.002	0.019	0.925	0.008	31.665	TRUE	3.32E-08

COPD in ever smokers	CX3CR1	cg00262061	rs9833185	T	C	-0.256	0.036	0.113	7.43E-13	0.003	0.023	0.906	0.014	51.399	TRUE	2.04E-12
COPD in ever smokers	CX3CR1	cg00262061	rs9840965	A	C	-0.206	0.031	0.168	3.59E-11	-0.016	0.020	0.419	0.012	43.804	TRUE	1.80E-10
COPD in ever smokers	CX3CR1	cg03341377	rs1317871	C	A	-0.147	0.027	0.266	2.79E-08	0.015	0.017	0.391	0.008	30.833	TRUE	1.02E-07
COPD in ever smokers	CX3CR1	cg03341377	rs17793056	C	T	0.302	0.023	0.484	2.42E-38	0.003	0.015	0.843	0.043	167.557	TRUE	1.38E-36
COPD in ever smokers	CX3CR1	cg03341377	rs561543	A	G	0.174	0.030	0.178	1.09E-08	-0.006	0.019	0.754	0.009	32.665	TRUE	2.49E-08
COPD in ever smokers	CX3CR1	cg03341377	rs56236279	G	A	0.358	0.065	0.044	2.98E-08	0.014	0.034	0.678	0.008	30.706	TRUE	7.19E-08
COPD in ever smokers	CX3CR1	cg03341377	rs7640507	T	G	0.184	0.033	0.162	1.53E-08	0.024	0.020	0.240	0.009	32.001	TRUE	7.75E-08
COPD in ever smokers	CX3CR1	cg04569233	rs13062158	C	T	-0.518	0.025	0.285	2.40E-93	-0.026	0.017	0.113	0.102	419.804	TRUE	2.71E-85
COPD in ever smokers	CX3CR1	cg04569233	rs17038748	G	T	0.186	0.028	0.227	1.45E-11	0.033	0.017	0.052	0.012	45.572	TRUE	2.66E-10
COPD in ever smokers	CX3CR1	cg04569233	rs1768149	C	T	0.198	0.029	0.206	7.71E-12	-0.009	0.018	0.631	0.012	46.814	TRUE	2.91E-11
COPD in ever smokers	CX3CR1	cg04569233	rs192343698	T	C	-0.691	0.106	0.022	7.67E-11	-0.036	0.050	0.465	0.011	42.318	TRUE	3.40E-10
COPD in ever smokers	CX3CR1	cg04569233	rs67144715	A	G	-0.412	0.066	0.031	5.81E-10	-0.001	0.041	0.975	0.010	38.362	TRUE	1.13E-09
COPD in ever smokers	CX3CR1	cg04569233	rs73060520	C	T	-0.290	0.041	0.089	2.16E-12	-0.047	0.026	0.074	0.013	49.310	TRUE	3.86E-11
COPD in ever smokers	CX3CR1	cg04569233	rs938207	A	G	0.163	0.026	0.308	2.40E-10	0.027	0.016	0.095	0.011	40.092	TRUE	2.64E-09
COPD in ever smokers	CX3CR1	cg04569233	rs9813187	A	G	0.300	0.029	0.191	2.16E-25	-0.003	0.018	0.854	0.028	108.379	TRUE	2.36E-24
COPD in ever smokers	CX3CR1	cg05046858	rs13088991	C	T	0.183	0.023	0.497	4.72E-15	-0.020	0.015	0.181	0.016	61.339	TRUE	7.63E-14
COPD in ever smokers	CX3CR1	cg05046858	rs938203	A	G	-0.348	0.037	0.117	2.62E-21	-0.030	0.023	0.199	0.024	89.760	TRUE	1.00E-19
COPD in ever smokers	CX3CR1	cg05046858	rs9813187	A	G	0.277	0.029	0.191	6.73E-22	-0.003	0.018	0.854	0.024	92.450	TRUE	4.99E-21
COPD in ever smokers	CX3CR1	cg18565762	rs111231532	T	C	0.387	0.049	0.054	1.94E-15	0.040	0.027	0.140	0.017	63.095	TRUE	3.95E-14
COPD in ever smokers	CX3CR1	cg18565762	rs11718582	A	G	-0.283	0.025	0.326	7.74E-30	-0.015	0.016	0.372	0.034	128.667	TRUE	5.33E-28
COPD in ever smokers	CX3CR1	cg18565762	rs13062158	C	T	-1.054	0.020	0.285	<1E-200	-0.026	0.017	0.113	0.432	2809.310	TRUE	<1E-200
COPD in ever smokers	CX3CR1	cg18565762	rs140374643	A	G	-0.717	0.086	0.021	5.35E-17	0.024	0.054	0.660	0.019	70.166	TRUE	3.38E-16
COPD in ever smokers	CX3CR1	cg18565762	rs1768149	C	T	0.285	0.029	0.206	5.39E-23	-0.009	0.018	0.631	0.026	97.444	TRUE	7.31E-22
COPD in ever smokers	CX3CR1	cg18565762	rs2649759	T	C	0.355	0.024	0.439	1.28E-50	0.000	0.015	0.983	0.057	223.776	TRUE	2.84E-48
COPD in ever smokers	CX3CR1	cg18565762	rs2669843	G	A	0.584	0.035	0.135	2.91E-64	0.008	0.022	0.707	0.072	286.327	TRUE	1.59E-60
COPD in ever smokers	CX3CR1	cg18565762	rs3732378	A	G	0.271	0.031	0.167	2.70E-18	0.027	0.020	0.161	0.020	76.057	TRUE	7.78E-17
COPD in ever smokers	CX3CR1	cg18565762	rs3938106	A	G	-0.378	0.037	0.112	1.03E-24	-0.003	0.023	0.909	0.028	105.271	TRUE	9.33E-24
COPD in ever smokers	CX3CR1	cg18565762	rs4407352	A	G	0.169	0.025	0.354	9.89E-12	0.046	0.016	0.003	0.012	46.326	TRUE	5.34E-10
COPD in ever smokers	CX3CR1	cg18565762	rs562545	A	G	-0.131	0.024	0.392	3.76E-08	-0.007	0.016	0.674	0.008	30.253	TRUE	9.05E-08
COPD in ever smokers	CX3CR1	cg18565762	rs67144715	A	G	-0.707	0.066	0.031	1.42E-26	-0.001	0.041	0.975	0.030	113.767	TRUE	1.36E-25
COPD in ever smokers	CX3CR1	cg18565762	rs73058523	T	C	0.276	0.036	0.113	1.17E-14	0.003	0.023	0.908	0.016	59.561	TRUE	3.77E-14
COPD in ever smokers	CX3CR1	cg18565762	rs73060520	C	T	-0.251	0.041	0.089	1.31E-09	-0.047	0.026	0.074	0.010	36.785	TRUE	1.42E-08
COPD in ever smokers	CX3CR1	cg18565762	rs73070244	A	G	-0.604	0.083	0.022	4.06E-13	-0.064	0.049	0.193	0.014	52.584	TRUE	4.68E-12
COPD in ever smokers	CX3CR1	cg18565762	rs9813187	A	G	0.409	0.029	0.191	3.60E-46	-0.003	0.018	0.854	0.052	203.389	TRUE	6.06E-44
COPD in ever smokers	CX3CR1	cg19806398	rs13082658	G	A	0.213	0.026	0.316	5.82E-17	-0.024	0.016	0.130	0.019	70.001	TRUE	1.59E-15
COPD in ever smokers	CX3CR1	cg19806398	rs1398712	C	T	-0.175	0.024	0.448	1.51E-13	0.000	0.015	0.976	0.015	54.522	TRUE	3.96E-13
COPD in ever smokers	CX3CR1	cg19806398	rs73058523	T	C	-0.304	0.036	0.113	1.43E-17	0.003	0.023	0.908	0.019	72.766	TRUE	6.12E-17
COPD in ever smokers	CX3CR1	cg21031692	rs13067055	A	G	-0.145	0.025	0.347	8.76E-09	-0.044	0.016	0.007	0.009	33.080	TRUE	1.90E-07
COPD in ever smokers	CX3CR1	cg21031692	rs17038640	C	T	-0.292	0.025	0.320	4.63E-31	-0.010	0.016	0.545	0.035	134.255	TRUE	2.21E-29
COPD in ever smokers	CX3CR1	cg21031692	rs2853700	G	A	0.502	0.077	0.047	7.50E-11	0.007	0.036	0.854	0.011	42.361	TRUE	1.85E-10
COPD in ever smokers	CX3CR1	cg21031692	rs3020452	T	C	0.354	0.024	0.346	1.15E-48	0.041	0.015	0.009	0.055	214.814	TRUE	9.11E-44
COPD in ever smokers	CX3CR1	cg21031692	rs3938106	A	G	-0.237	0.037	0.112	1.38E-10	-0.003	0.023	0.909	0.011	41.163	TRUE	3.09E-10

COPD in ever smokers	CX3CR1	cg21031692	rs4311160	G	A	0.360	0.031	0.166	9.37E-32	0.008	0.020	0.691	0.036	137.427	TRUE	3.30E-30
COPD in ever smokers	CX3CR1	cg21031692	rs4676612	G	A	0.170	0.028	0.229	1.70E-09	0.021	0.018	0.226	0.010	36.266	TRUE	1.03E-08
COPD in ever smokers	CX3CR1	cg21031692	rs4676625	A	G	0.551	0.023	0.362	3.85E-124	-0.002	0.015	0.920	0.132	561.253	TRUE	6.43E-115
COPD in ever smokers	CX3CR1	cg21031692	rs67144715	A	G	-0.413	0.067	0.031	5.49E-10	-0.001	0.041	0.975	0.010	38.473	TRUE	1.07E-09
COPD in ever smokers	CX3CR1	cg21031692	rs73060520	C	T	-0.329	0.041	0.089	1.50E-15	-0.047	0.026	0.074	0.017	63.602	TRUE	4.64E-14
COPD in ever smokers	CX3CR1	cg21031692	rs77533202	C	T	0.540	0.073	0.031	1.30E-13	0.006	0.041	0.877	0.015	54.820	TRUE	4.00E-13
COPD in ever smokers	CX3CR1	cg21031692	rs9859684	A	G	0.248	0.024	0.398	2.89E-24	-0.001	0.015	0.942	0.027	103.237	TRUE	2.31E-23
COPD in ever smokers	CX3CR1	cg24130739	rs9861437	G	A	0.235	0.035	0.143	9.97E-12	0.001	0.022	0.969	0.012	46.310	TRUE	2.25E-11
COPD in ever smokers	CX3CR1	cg24310395	rs11709600	A	G	0.213	0.026	0.284	3.53E-16	0.032	0.016	0.051	0.018	66.447	TRUE	1.51E-14
COPD in ever smokers	CX3CR1	cg25784617	rs1398712	C	T	-0.144	0.024	0.448	1.25E-09	0.000	0.015	0.976	0.010	36.876	TRUE	2.35E-09
COPD in ever smokers	CX3CR1	cg25784617	rs77402742	A	G	-0.290	0.052	0.054	1.86E-08	-0.008	0.032	0.790	0.008	31.619	TRUE	3.99E-08
COPD in ever smokers	CX3CR1	cg26162331	rs1317871	C	A	0.178	0.027	0.266	2.63E-11	0.015	0.017	0.391	0.012	44.409	TRUE	1.42E-10
COPD in ever smokers	CX3CR1	cg26162331	rs4256069	T	G	0.207	0.024	0.421	5.97E-18	-0.036	0.015	0.017	0.020	74.492	TRUE	6.30E-16
COPD in ever smokers	CX3CR1	cg26162331	rs55695898	T	C	-1.409	0.139	0.012	4.51E-24	-0.029	0.071	0.684	0.027	102.356	TRUE	6.17E-23
COPD in ever smokers	CX3CR1	cg26162331	rs71329576	C	T	0.137	0.024	0.377	2.01E-08	0.006	0.015	0.704	0.008	31.463	TRUE	4.80E-08
COPD in ever smokers	CX3CR1	cg26162331	rs73060520	C	T	0.232	0.041	0.089	2.08E-08	-0.047	0.026	0.074	0.008	31.398	TRUE	1.81E-07
COPD in ever smokers	CX3CR1	cg26162331	rs73071855	A	G	0.315	0.057	0.043	4.17E-08	-0.007	0.036	0.838	0.008	30.053	TRUE	8.18E-08
COPD in ever smokers	CX3CR1	cg26162331	rs75486731	A	G	-0.454	0.069	0.027	3.42E-11	-0.021	0.044	0.638	0.012	43.896	TRUE	1.19E-10
COPD in ever smokers	CX3CR1	cg26162331	rs7615733	G	A	-0.510	0.025	0.275	1.12E-89	0.029	0.017	0.074	0.098	402.960	TRUE	9.79E-82
COPD in ever smokers	CX3CR1	cg26162331	rs9826865	G	A	-0.324	0.035	0.120	1.38E-20	0.001	0.022	0.949	0.023	86.482	TRUE	7.37E-20
COPD in ever smokers	DAPK2	cg01859228	rs11071770	T	C	0.329	0.027	0.269	2.41E-35	-0.002	0.017	0.921	0.040	153.840	TRUE	7.51E-34
COPD in ever smokers	DAPK2	cg01859228	rs11854930	C	T	0.255	0.037	0.104	5.31E-12	-0.009	0.023	0.698	0.013	47.542	TRUE	1.84E-11
COPD in ever smokers	DAPK2	cg01859228	rs11857703	G	A	0.149	0.023	0.492	2.05E-10	-0.013	0.015	0.381	0.011	40.398	TRUE	1.01E-09
COPD in ever smokers	DAPK2	cg01859228	rs17788807	T	C	0.330	0.029	0.196	4.42E-29	-0.025	0.019	0.184	0.033	125.213	TRUE	6.03E-27
COPD in ever smokers	DAPK2	cg01859228	rs28729238	G	T	-0.826	0.021	0.349	<1E-200	-0.004	0.016	0.794	0.286	1481.855	TRUE	8.28E-280
COPD in ever smokers	DAPK2	cg01859228	rs4777602	G	A	0.198	0.034	0.140	6.79E-09	0.015	0.022	0.506	0.009	33.576	TRUE	2.23E-08
COPD in ever smokers	DAPK2	cg01859228	rs4984288	C	T	-0.197	0.024	0.385	3.13E-16	0.024	0.015	0.112	0.018	66.684	TRUE	8.38E-15
COPD in ever smokers	DAPK2	cg01859228	rs62023393	T	C	-0.307	0.053	0.144	5.58E-09	0.040	0.022	0.066	0.009	33.957	TRUE	5.65E-08
COPD in ever smokers	DAPK2	cg01859228	rs6494466	A	G	0.186	0.027	0.263	7.74E-12	0.017	0.017	0.329	0.012	46.804	TRUE	5.11E-11
COPD in ever smokers	DAPK2	cg01859228	rs7183733	T	C	0.185	0.025	0.330	2.24E-13	-0.017	0.016	0.278	0.014	53.753	TRUE	2.07E-12
COPD in ever smokers	DAPK2	cg01859228	rs72750970	G	A	-0.536	0.060	0.048	6.91E-19	0.021	0.031	0.495	0.021	78.747	TRUE	7.71E-18
COPD in ever smokers	DAPK2	cg01859228	rs72752943	A	G	-0.425	0.032	0.146	5.27E-40	0.010	0.020	0.638	0.045	175.161	TRUE	6.79E-38
COPD in ever smokers	DAPK2	cg01859228	rs72755006	G	A	0.341	0.044	0.077	1.37E-14	0.071	0.028	0.010	0.016	59.247	TRUE	9.33E-13
COPD in ever smokers	DAPK2	cg01859228	rs9921010	C	A	-0.234	0.039	0.089	2.31E-09	-0.005	0.025	0.829	0.010	35.678	TRUE	5.12E-09
COPD in ever smokers	DAPK2	cg02919090	rs10851733	T	C	0.804	0.021	0.398	<1E-200	-0.018	0.015	0.247	0.289	1502.135	TRUE	7.03E-281
COPD in ever smokers	DAPK2	cg02919090	rs112479057	A	G	-0.354	0.063	0.036	2.31E-08	-0.090	0.041	0.030	0.008	31.198	TRUE	2.81E-07
COPD in ever smokers	DAPK2	cg02919090	rs11630556	C	T	-0.371	0.036	0.136	2.26E-25	-0.037	0.022	0.090	0.028	108.288	TRUE	3.18E-23
COPD in ever smokers	DAPK2	cg02919090	rs12441911	G	A	0.162	0.027	0.247	1.90E-09	-0.025	0.017	0.150	0.010	36.051	TRUE	1.43E-08
COPD in ever smokers	DAPK2	cg02919090	rs12593770	A	G	-0.238	0.041	0.089	6.83E-09	-0.022	0.027	0.411	0.009	33.566	TRUE	2.61E-08
COPD in ever smokers	DAPK2	cg02919090	rs16947645	T	C	-0.349	0.026	0.302	1.55E-42	0.003	0.016	0.871	0.048	186.743	TRUE	1.46E-40
COPD in ever smokers	DAPK2	cg02919090	rs1802376	A	G	-0.481	0.087	0.020	3.35E-08	0.044	0.053	0.406	0.008	30.478	TRUE	1.18E-07
COPD in ever smokers	DAPK2	cg02919090	rs192816899	C	T	-0.745	0.114	0.023	7.21E-11	-0.041	0.050	0.411	0.011	42.437	TRUE	3.55E-10

COPD in ever smokers	DAPK2	cg02919090	rs28808148	C	T	-0.458	0.044	0.077	1.00E-25	0.003	0.027	0.907	0.029	109.897	TRUE	1.02E-24
COPD in ever smokers	DAPK2	cg02919090	rs4984291	A	G	0.215	0.023	0.452	4.72E-20	0.015	0.015	0.323	0.022	84.049	TRUE	9.63E-19
COPD in ever smokers	DAPK2	cg02919090	rs56113145	A	G	-0.372	0.055	0.050	1.91E-11	0.029	0.035	0.409	0.012	45.040	TRUE	1.01E-10
COPD in ever smokers	DAPK2	cg02919090	rs7178762	C	T	-0.322	0.024	0.460	2.42E-42	-0.014	0.015	0.354	0.048	185.862	TRUE	1.21E-39
COPD in ever smokers	DAPK2	cg02919090	rs7183733	T	C	-0.172	0.025	0.330	8.36E-12	-0.017	0.016	0.278	0.012	46.655	TRUE	6.21E-11
COPD in ever smokers	DAPK2	cg02919090	rs72750970	G	A	0.605	0.060	0.048	9.52E-24	0.021	0.031	0.495	0.027	100.876	TRUE	1.97E-22
COPD in ever smokers	DAPK2	cg02919090	rs72752943	A	G	0.444	0.032	0.146	1.16E-43	0.010	0.020	0.638	0.049	191.908	TRUE	2.57E-41
COPD in ever smokers	DAPK2	cg02919090	rs72755006	G	A	-0.332	0.044	0.077	6.76E-14	0.071	0.028	0.010	0.015	56.108	TRUE	3.98E-12
COPD in ever smokers	DAPK2	cg02919090	rs79488359	G	T	-0.286	0.041	0.095	2.00E-12	0.034	0.025	0.186	0.013	49.460	TRUE	2.13E-11
COPD in ever smokers	DAPK2	cg02919090	rs80265779	G	A	0.213	0.033	0.148	8.80E-11	-0.027	0.021	0.188	0.011	42.048	TRUE	7.23E-10
COPD in ever smokers	DAPK2	cg02919090	rs8033972	A	G	-0.197	0.027	0.262	4.85E-13	0.018	0.017	0.276	0.014	52.238	TRUE	4.30E-12
COPD in ever smokers	DAPK2	cg02919090	rs9921010	C	A	0.252	0.039	0.089	1.21E-10	-0.005	0.025	0.829	0.011	41.420	TRUE	3.03E-10
COPD in ever smokers	DAPK2	cg06904649	rs4776710	G	A	-0.189	0.023	0.466	7.34E-16	-0.002	0.015	0.872	0.017	65.006	TRUE	2.82E-15
COPD in ever smokers	DAPK2	cg07619672	rs332276	C	T	0.280	0.034	0.145	6.46E-17	0.053	0.021	0.011	0.019	69.795	TRUE	6.83E-15
COPD in ever smokers	DAPK2	cg11775215	rs16947140	T	C	-0.186	0.033	0.136	1.07E-08	-0.004	0.022	0.840	0.009	32.689	TRUE	2.21E-08
COPD in ever smokers	DAPK2	cg11775215	rs78181809	A	G	-0.899	0.058	0.035	2.28E-53	-0.022	0.041	0.584	0.060	236.369	TRUE	2.90E-50
COPD in ever smokers	DAPK2	cg13645296	rs9972469	A	C	0.231	0.024	0.448	1.31E-22	-0.001	0.015	0.924	0.025	95.681	TRUE	9.13E-22
COPD in ever smokers	DAPK2	cg23165541	rs12912128	C	T	-0.174	0.031	0.172	3.10E-08	0.055	0.020	0.006	0.008	30.627	TRUE	6.02E-07
COPD in ever smokers	DAPK2	cg24729988	rs12902972	T	C	-0.172	0.023	0.464	1.41E-13	0.000	0.015	0.976	0.015	54.665	TRUE	3.70E-13
COPD in ever smokers	DDIT4	cg01839993	rs10762504	A	C	0.208	0.025	0.345	2.58E-17	-0.032	0.016	0.042	0.019	71.603	TRUE	1.50E-15
COPD in ever smokers	DDIT4	cg10592592	rs4746110	T	C	0.141	0.025	0.360	1.01E-08	-0.025	0.016	0.107	0.009	32.801	TRUE	7.93E-08
COPD in ever smokers	DDIT4	cg20897136	rs4746110	T	C	0.148	0.025	0.360	1.65E-09	-0.025	0.016	0.107	0.010	36.334	TRUE	1.48E-08
COPD in ever smokers	DYRK2	cg09135343	rs2700075	T	C	0.203	0.025	0.344	3.40E-16	-0.045	0.016	0.004	0.018	66.522	TRUE	4.60E-14
COPD in ever smokers	DYRK2	cg13442969	rs3782393	C	T	0.202	0.024	0.441	1.31E-17	-0.038	0.015	0.011	0.019	72.940	TRUE	1.60E-15
COPD in ever smokers	DYRK2	cg19817165	rs2700075	T	C	0.224	0.025	0.344	1.74E-19	-0.045	0.016	0.004	0.022	81.465	TRUE	4.79E-17
COPD in ever smokers	DYRK2	cg27078727	rs4913355	A	G	-0.298	0.024	0.363	3.33E-35	-0.040	0.016	0.011	0.040	153.197	TRUE	1.37E-31
COPD in ever smokers	ENO1	cg02088347	rs2038903	T	G	-0.159	0.023	0.439	1.30E-11	0.035	0.015	0.018	0.012	45.787	TRUE	3.80E-10
COPD in ever smokers	ENO1	cg06972019	rs11121250	T	C	0.560	0.027	0.250	7.61E-98	-0.007	0.017	0.687	0.106	440.464	TRUE	5.00E-91
COPD in ever smokers	ENO1	cg06972019	rs112104220	G	A	-0.644	0.096	0.019	2.20E-11	0.012	0.061	0.841	0.012	44.757	TRUE	5.80E-11
COPD in ever smokers	ENO1	cg06972019	rs115127818	A	G	0.758	0.101	0.016	4.71E-14	0.032	0.053	0.545	0.015	56.816	TRUE	2.65E-13
COPD in ever smokers	ENO1	cg06972019	rs12120339	A	G	0.637	0.066	0.030	3.09E-22	0.034	0.041	0.405	0.025	93.993	TRUE	6.66E-21
COPD in ever smokers	ENO1	cg06972019	rs12124851	G	A	0.922	0.021	0.305	<1E-200	-0.030	0.016	0.061	0.340	1905.596	TRUE	<1E-200
COPD in ever smokers	ENO1	cg06972019	rs12129659	G	T	0.648	0.087	0.019	8.40E-14	-0.081	0.059	0.172	0.015	55.681	TRUE	1.16E-12
COPD in ever smokers	ENO1	cg06972019	rs12565639	A	G	-0.616	0.029	0.207	2.55E-102	0.019	0.019	0.309	0.111	461.014	TRUE	4.07E-94
COPD in ever smokers	ENO1	cg06972019	rs138601087	A	G	0.508	0.068	0.031	5.13E-14	-0.041	0.045	0.363	0.015	56.649	TRUE	4.18E-13
COPD in ever smokers	ENO1	cg06972019	rs139366811	C	T	-0.499	0.079	0.021	2.17E-10	-0.042	0.054	0.433	0.011	40.286	TRUE	9.63E-10
COPD in ever smokers	ENO1	cg06972019	rs141582190	G	A	0.334	0.041	0.091	3.91E-16	0.030	0.025	0.243	0.018	66.247	TRUE	5.93E-15
COPD in ever smokers	ENO1	cg06972019	rs146274314	T	C	-0.511	0.072	0.028	1.03E-12	0.064	0.043	0.134	0.014	50.761	TRUE	1.40E-11
COPD in ever smokers	ENO1	cg06972019	rs150617841	G	A	-0.534	0.089	0.018	2.17E-09	0.002	0.059	0.977	0.010	35.792	TRUE	4.01E-09
COPD in ever smokers	ENO1	cg06972019	rs150875913	A	G	0.522	0.073	0.024	1.24E-12	-0.008	0.053	0.873	0.013	50.392	TRUE	3.51E-12
COPD in ever smokers	ENO1	cg06972019	rs72636907	T	C	0.332	0.035	0.115	4.54E-21	-0.036	0.022	0.104	0.023	88.676	TRUE	2.82E-19
COPD in ever smokers	ENO1	cg06972019	rs7417097	A	G	0.278	0.028	0.232	2.25E-23	-0.065	0.018	2.88E-04	0.026	99.173	TRUE	4.75E-20

COPD in ever smokers	ENO1	cg06972019	rs7521910	C	T	0.152	0.025	0.376	7.04E-10	-0.018	0.015	0.234	0.010	37.990	TRUE	4.42E-09
COPD in ever smokers	ENO1	cg06972019	rs7545200	A	G	0.202	0.027	0.253	2.93E-14	-0.007	0.017	0.696	0.015	57.750	TRUE	1.29E-13
COPD in ever smokers	ENO1	cg06972019	rs80001448	A	G	0.506	0.066	0.033	1.73E-14	-0.038	0.043	0.372	0.016	58.782	TRUE	1.47E-13
COPD in ever smokers	ENO1	cg10313368	rs1064826	A	G	0.306	0.025	0.294	2.55E-33	0.001	0.016	0.957	0.038	144.581	TRUE	5.62E-32
COPD in ever smokers	ENO1	cg10313368	rs11121242	A	G	0.787	0.020	0.484	<1E-200	-0.036	0.015	0.016	0.286	1479.394	TRUE	7.81E-274
COPD in ever smokers	ENO1	cg10313368	rs114894025	G	A	-0.410	0.069	0.034	3.17E-09	0.047	0.041	0.243	0.009	35.056	TRUE	1.77E-08
COPD in ever smokers	ENO1	cg10313368	rs11585385	G	T	-0.238	0.027	0.271	2.65E-19	0.015	0.017	0.364	0.021	80.642	TRUE	4.33E-18
COPD in ever smokers	ENO1	cg10313368	rs116445980	T	C	0.558	0.050	0.061	4.51E-29	-0.003	0.034	0.927	0.033	125.173	TRUE	6.42E-28
COPD in ever smokers	ENO1	cg10313368	rs12566559	C	T	0.253	0.028	0.232	1.48E-19	-0.065	0.018	2.77E-04	0.022	81.785	TRUE	1.27E-16
COPD in ever smokers	ENO1	cg10313368	rs12732947	C	A	-0.291	0.025	0.328	4.21E-31	0.014	0.016	0.396	0.035	134.447	TRUE	3.20E-29
COPD in ever smokers	ENO1	cg10313368	rs138601087	A	G	0.432	0.068	0.031	1.65E-10	-0.041	0.045	0.363	0.011	40.818	TRUE	8.50E-10
COPD in ever smokers	ENO1	cg10313368	rs140458899	T	C	-0.400	0.052	0.066	2.08E-14	0.018	0.029	0.530	0.016	58.419	TRUE	1.26E-13
COPD in ever smokers	ENO1	cg10313368	rs17383360	G	A	-0.396	0.047	0.056	3.72E-17	-0.009	0.031	0.768	0.019	70.880	TRUE	1.96E-16
COPD in ever smokers	ENO1	cg10313368	rs17385829	C	T	0.362	0.066	0.030	3.86E-08	-0.007	0.046	0.883	0.008	30.204	TRUE	7.19E-08
COPD in ever smokers	ENO1	cg10313368	rs192251961	A	G	0.461	0.075	0.044	8.63E-10	-0.085	0.038	0.026	0.010	37.593	TRUE	1.48E-08
COPD in ever smokers	ENO1	cg10313368	rs301800	T	C	0.249	0.031	0.175	2.32E-15	-0.048	0.020	0.016	0.017	62.737	TRUE	1.51E-13
COPD in ever smokers	ENO1	cg10313368	rs61783648	G	A	0.183	0.032	0.454	9.92E-09	-0.010	0.016	0.551	0.009	32.839	TRUE	3.00E-08
COPD in ever smokers	ENO1	cg10313368	rs61787660	A	G	-0.213	0.029	0.208	2.45E-13	0.008	0.018	0.647	0.014	53.574	TRUE	1.06E-12
COPD in ever smokers	ENO1	cg10313368	rs6665631	G	A	0.311	0.025	0.314	6.48E-35	-0.033	0.016	0.039	0.039	151.874	TRUE	9.77E-32
COPD in ever smokers	ENO1	cg10443148	rs112984832	T	C	0.329	0.040	0.079	2.92E-16	-0.067	0.027	0.012	0.018	66.821	TRUE	2.62E-14
COPD in ever smokers	ENO1	cg10443148	rs11590606	C	T	0.613	0.022	0.498	1.82E-163	-0.031	0.015	0.036	0.167	741.979	TRUE	2.06E-145
COPD in ever smokers	ENO1	cg10443148	rs116445980	T	C	0.379	0.050	0.061	3.12E-14	-0.003	0.034	0.927	0.015	57.627	TRUE	9.39E-14
COPD in ever smokers	ENO1	cg10443148	rs12732947	C	A	-0.203	0.025	0.328	6.56E-16	0.014	0.016	0.396	0.017	65.225	TRUE	6.33E-15
COPD in ever smokers	ENO1	cg10443148	rs17383360	G	A	-0.298	0.047	0.056	2.30E-10	-0.009	0.031	0.768	0.011	40.171	TRUE	6.10E-10
COPD in ever smokers	ENO1	cg10443148	rs1889853	A	C	-0.260	0.028	0.225	1.07E-20	0.004	0.018	0.824	0.023	86.988	TRUE	7.37E-20
COPD in ever smokers	ENO1	cg10443148	rs301800	T	C	0.228	0.031	0.175	3.94E-13	-0.048	0.020	0.016	0.014	52.646	TRUE	1.63E-11
COPD in ever smokers	ENO1	cg10443148	rs7526401	C	T	-0.169	0.025	0.333	1.37E-11	0.022	0.016	0.158	0.012	45.688	TRUE	1.41E-10
COPD in ever smokers	ENO1	cg10443148	rs80001448	A	G	0.403	0.066	0.033	9.67E-10	-0.038	0.043	0.372	0.010	37.371	TRUE	4.42E-09
COPD in ever smokers	ENO1	cg12711814	rs2038904	A	G	0.261	0.031	0.176	2.12E-17	-0.019	0.020	0.327	0.019	71.993	TRUE	2.97E-16
COPD in ever smokers	ENO1	cg13785123	rs11121247	T	C	0.257	0.031	0.179	1.14E-16	-0.021	0.020	0.278	0.018	68.676	TRUE	1.67E-15
COPD in ever smokers	ENO1	cg13785123	rs12125525	G	A	0.206	0.025	0.320	1.33E-16	0.007	0.016	0.681	0.018	68.365	TRUE	7.77E-16
COPD in ever smokers	ENO1	cg13785123	rs144754886	G	T	-0.435	0.070	0.033	4.93E-10	0.053	0.041	0.196	0.010	38.682	TRUE	3.52E-09
COPD in ever smokers	ENO1	cg13785123	rs2071412	T	G	-0.537	0.026	0.271	3.15E-98	0.005	0.017	0.771	0.107	442.226	TRUE	1.55E-91
COPD in ever smokers	ENO1	cg13785123	rs77746148	T	C	-0.411	0.063	0.033	9.82E-11	0.003	0.042	0.941	0.011	41.834	TRUE	2.12E-10
COPD in ever smokers	ENO1	cg18273817	rs10864368	T	C	0.397	0.023	0.498	7.77E-66	-0.031	0.015	0.034	0.074	293.543	TRUE	6.93E-60
COPD in ever smokers	ENO1	cg18273817	rs12754538	T	C	-0.160	0.028	0.243	8.23E-09	0.015	0.017	0.389	0.009	33.202	TRUE	3.23E-08
COPD in ever smokers	ENO1	cg20971527	rs11121246	T	G	0.295	0.023	0.498	1.19E-37	-0.032	0.015	0.033	0.043	164.381	TRUE	3.43E-34
COPD in ever smokers	EP300	cg20730595	rs133030	G	A	-0.181	0.031	0.167	4.90E-09	0.010	0.020	0.612	0.009	34.212	TRUE	1.40E-08
COPD in ever smokers	EP300	cg20730595	rs4822013	A	G	-0.354	0.024	0.379	4.71E-49	0.030	0.015	0.048	0.055	216.598	TRUE	8.81E-45
COPD in ever smokers	EP300	cg20730595	rs55893749	A	G	-0.281	0.051	0.050	4.40E-08	-0.017	0.033	0.598	0.008	29.951	TRUE	1.16E-07
COPD in ever smokers	EPHA2	cg00107046	rs11260745	C	T	-0.299	0.054	0.046	4.02E-08	0.087	0.036	0.017	0.008	30.126	TRUE	5.59E-07
COPD in ever smokers	EPHA2	cg03258665	rs7514138	A	G	0.325	0.036	0.122	8.82E-20	-0.022	0.022	0.324	0.022	82.812	TRUE	1.73E-18

COPD in ever smokers	EPHA2	cg03258665	rs7538833	T	C	-0.348	0.024	0.375	2.86E-47	-0.041	0.015	0.008	0.053	208.428	TRUE	1.73E-42
COPD in ever smokers	EPHA2	cg03258665	rs9442213	T	C	-0.202	0.027	0.261	5.16E-14	0.011	0.017	0.509	0.015	56.638	TRUE	3.09E-13
COPD in ever smokers	EPHA2	cg15074789	rs113286431	C	T	0.593	0.085	0.017	2.44E-12	0.062	0.049	0.203	0.013	49.065	TRUE	2.42E-11
COPD in ever smokers	EPHA2	cg15074789	rs1803527	C	T	0.958	0.060	0.037	3.85E-57	0.051	0.039	0.196	0.064	253.666	TRUE	6.36E-53
COPD in ever smokers	EPHA2	cg15074789	rs34025793	A	G	0.462	0.084	0.019	3.54E-08	0.034	0.048	0.484	0.008	30.372	TRUE	1.10E-07
COPD in ever smokers	EPHA2	cg21647035	rs12401559	T	C	-0.332	0.025	0.337	9.12E-41	-0.039	0.016	0.014	0.046	178.646	TRUE	9.45E-37
COPD in ever smokers	EPHA2	cg21647035	rs7515143	G	A	-0.137	0.025	0.335	3.84E-08	-0.007	0.016	0.662	0.008	30.212	TRUE	9.38E-08
COPD in ever smokers	EPHA2	cg21647035	rs9442232	A	G	-0.183	0.026	0.294	1.11E-12	0.014	0.017	0.414	0.013	50.609	TRUE	6.82E-12
COPD in ever smokers	EPHA2	cg22874802	rs138997233	T	C	0.918	0.165	0.011	2.75E-08	-0.045	0.074	0.545	0.008	30.857	TRUE	7.97E-08
COPD in ever smokers	EPHA2	cg24494577	rs6678616	T	C	0.270	0.025	0.346	1.17E-27	-0.037	0.016	0.018	0.031	118.710	TRUE	7.87E-25
COPD in ever smokers	EPHA2	cg24518441	rs6678616	T	C	-0.153	0.025	0.346	4.96E-10	-0.037	0.016	0.018	0.010	38.674	TRUE	1.03E-08
COPD in ever smokers	EPHA2	cg26371327	rs28695308	C	T	0.186	0.024	0.483	4.63E-15	0.012	0.015	0.425	0.016	61.380	TRUE	3.75E-14
COPD in ever smokers	EPHA2	cg26371327	rs6679761	A	G	-0.360	0.024	0.373	1.01E-50	-0.040	0.015	0.009	0.057	224.243	TRUE	1.17E-45
COPD in ever smokers	EPHA2	cg26371327	rs74394813	T	C	0.392	0.036	0.120	6.78E-28	-0.024	0.022	0.293	0.031	119.799	TRUE	4.68E-26
COPD in ever smokers	EPHA2	cg26793227	rs3132274	T	C	-0.193	0.035	0.126	4.95E-08	-0.012	0.022	0.570	0.008	29.721	TRUE	1.34E-07
COPD in ever smokers	EPHA2	cg27582323	rs28553367	G	T	-0.211	0.027	0.267	1.91E-15	0.011	0.017	0.508	0.017	63.126	TRUE	1.36E-14
COPD in ever smokers	EPHA2	cg27582323	rs59792697	T	C	0.290	0.036	0.122	5.69E-16	-0.023	0.022	0.304	0.017	65.506	TRUE	7.00E-15
COPD in ever smokers	EPHA2	cg27582323	rs6679761	A	G	-0.340	0.024	0.373	3.97E-45	-0.040	0.015	0.009	0.051	198.613	TRUE	1.41E-40
COPD in ever smokers	EPM2A	cg00077566	rs111770525	A	G	-0.868	0.088	0.023	9.93E-23	0.097	0.055	0.075	0.025	96.236	TRUE	1.03E-20
COPD in ever smokers	EPM2A	cg00077566	rs116904511	A	G	-0.621	0.080	0.026	5.99E-15	-0.001	0.055	0.983	0.016	60.873	TRUE	1.76E-14
COPD in ever smokers	EPM2A	cg00077566	rs60043524	T	C	-2.263	0.097	0.016	7.02E-121	0.028	0.059	0.634	0.129	546.274	TRUE	2.01E-111
COPD in ever smokers	EPM2A	cg00077566	rs60237109	C	T	-0.601	0.065	0.038	1.63E-20	-0.027	0.036	0.452	0.023	86.152	TRUE	2.47E-19
COPD in ever smokers	EPM2A	cg00077566	rs73783633	A	G	-0.422	0.054	0.057	5.23E-15	-0.007	0.032	0.836	0.016	61.137	TRUE	1.97E-14
COPD in ever smokers	EPM2A	cg00077566	rs9497517	C	T	-0.286	0.038	0.126	3.02E-14	0.022	0.023	0.345	0.015	57.690	TRUE	2.65E-13
COPD in ever smokers	EPM2A	cg05220968	rs6902404	A	G	-0.290	0.025	0.433	4.01E-30	0.031	0.015	0.042	0.034	129.972	TRUE	2.35E-27
COPD in ever smokers	EPM2A	cg05220968	rs9767028	C	T	-0.840	0.102	0.016	1.82E-16	0.038	0.060	0.524	0.018	67.747	TRUE	1.42E-15
COPD in ever smokers	EYA4	cg00156497	rs113131165	A	G	-0.869	0.116	0.011	7.68E-14	-0.021	0.067	0.755	0.015	55.855	TRUE	2.93E-13
COPD in ever smokers	EYA4	cg00156497	rs117434049	A	G	0.472	0.080	0.026	3.44E-09	-0.047	0.050	0.338	0.009	34.898	TRUE	1.56E-08
COPD in ever smokers	EYA4	cg00156497	rs12154093	T	C	-0.696	0.093	0.016	6.51E-14	-0.068	0.059	0.245	0.015	56.182	TRUE	7.13E-13
COPD in ever smokers	EYA4	cg00156497	rs12189904	T	C	0.516	0.036	0.144	3.56E-47	0.006	0.020	0.756	0.053	207.994	TRUE	9.38E-45
COPD in ever smokers	EYA4	cg00156497	rs1343867	T	C	0.635	0.025	0.348	1.88E-138	-0.014	0.016	0.376	0.145	627.016	TRUE	3.94E-126
COPD in ever smokers	EYA4	cg00156497	rs141902412	G	T	-0.507	0.090	0.046	2.03E-08	-0.053	0.038	0.165	0.008	31.452	TRUE	1.23E-07
COPD in ever smokers	EYA4	cg00156497	rs150999062	A	C	-0.967	0.075	0.025	2.12E-38	0.044	0.052	0.395	0.043	167.813	TRUE	4.83E-36
COPD in ever smokers	EYA4	cg00156497	rs2104261	T	C	-0.233	0.031	0.206	1.23E-13	-0.022	0.018	0.237	0.015	54.937	TRUE	1.32E-12
COPD in ever smokers	EYA4	cg00156497	rs211436	T	C	0.600	0.029	0.244	8.99E-98	0.004	0.017	0.810	0.106	440.132	TRUE	3.36E-91
COPD in ever smokers	EYA4	cg00156497	rs212785	C	T	0.358	0.039	0.116	4.68E-20	0.016	0.024	0.512	0.022	84.066	TRUE	5.81E-19
COPD in ever smokers	EYA4	cg00156497	rs2294758	A	G	-0.211	0.027	0.326	9.98E-15	-0.011	0.016	0.500	0.016	59.867	TRUE	6.64E-14
COPD in ever smokers	EYA4	cg00156497	rs2327351	G	A	-0.432	0.029	0.248	2.94E-50	-0.002	0.017	0.903	0.057	222.117	TRUE	7.92E-48
COPD in ever smokers	EYA4	cg00156497	rs2636610	A	G	0.212	0.033	0.168	1.81E-10	0.011	0.019	0.561	0.011	40.642	TRUE	6.55E-10
COPD in ever smokers	EYA4	cg00156497	rs271140	G	A	0.343	0.027	0.354	3.68E-38	0.002	0.016	0.882	0.043	166.720	TRUE	1.84E-36
COPD in ever smokers	EYA4	cg00156497	rs3798355	T	C	0.399	0.048	0.072	1.97E-16	0.002	0.030	0.943	0.018	67.594	TRUE	7.10E-16
COPD in ever smokers	EYA4	cg00156497	rs509685	A	G	-0.975	0.025	0.266	<1E-200	-0.025	0.017	0.142	0.296	1554.923	TRUE	7.59E-289

COPD in ever smokers	EYA4	cg00156497	rs59740783	A	G	-0.253	0.040	0.116	1.60E-10	-0.010	0.023	0.679	0.011	40.877	TRUE	4.89E-10
COPD in ever smokers	EYA4	cg00156497	rs72996130	C	A	0.474	0.085	0.051	2.64E-08	0.034	0.031	0.273	0.008	30.937	TRUE	1.20E-07
COPD in ever smokers	EYA4	cg00156497	rs75673578	T	C	-0.567	0.077	0.065	1.44E-13	-0.026	0.027	0.334	0.015	54.627	TRUE	1.18E-12
COPD in ever smokers	EYA4	cg00156497	rs75800244	T	C	-0.344	0.055	0.055	3.22E-10	-0.039	0.031	0.206	0.011	39.517	TRUE	2.30E-09
COPD in ever smokers	EYA4	cg00156497	rs7750244	T	C	0.422	0.029	0.257	7.14E-48	0.003	0.017	0.844	0.054	211.189	TRUE	1.60E-45
COPD in ever smokers	EYA4	cg00156497	rs79506917	G	A	0.414	0.052	0.056	2.93E-15	-0.004	0.028	0.894	0.017	62.281	TRUE	1.02E-14
COPD in ever smokers	EYA4	cg00156497	rs79597233	C	T	-0.784	0.096	0.016	4.24E-16	0.048	0.056	0.388	0.018	66.084	TRUE	4.28E-15
COPD in ever smokers	EYA4	cg00156497	rs9373034	T	C	0.245	0.028	0.317	1.07E-18	-0.010	0.016	0.556	0.021	77.881	TRUE	1.02E-17
COPD in ever smokers	EYA4	cg00156497	rs998630	G	A	-0.453	0.081	0.026	1.90E-08	-0.082	0.048	0.088	0.008	31.579	TRUE	1.54E-07
COPD in ever smokers	EYA4	cg01162672	rs569833	T	C	0.190	0.029	0.252	1.20E-10	-0.024	0.017	0.162	0.011	41.441	TRUE	1.05E-09
COPD in ever smokers	EYA4	cg08917489	rs9402497	A	G	0.235	0.031	0.221	1.36E-14	0.003	0.018	0.888	0.016	59.254	TRUE	4.52E-14
COPD in ever smokers	EYA4	cg10105884	rs7756044	C	T	0.302	0.042	0.100	6.11E-13	0.048	0.026	0.060	0.014	51.784	TRUE	1.34E-11
COPD in ever smokers	EYA4	cg13912545	rs1338009	C	T	0.228	0.025	0.442	2.10E-19	0.019	0.015	0.214	0.021	81.099	TRUE	5.70E-18
COPD in ever smokers	EYA4	cg17722675	rs546329	C	T	0.164	0.027	0.369	7.49E-10	-0.024	0.016	0.118	0.010	37.868	TRUE	6.81E-09
COPD in ever smokers	EYA4	cg17985029	rs12200155	A	G	0.320	0.030	0.223	9.42E-26	0.008	0.018	0.662	0.029	110.018	TRUE	1.66E-24
COPD in ever smokers	EYA4	cg17985029	rs1338009	C	T	0.662	0.024	0.442	1.08E-167	0.019	0.015	0.214	0.171	761.400	TRUE	1.30E-150
COPD in ever smokers	EYA4	cg17985029	rs1338015	G	A	0.547	0.063	0.042	5.28E-18	0.052	0.035	0.140	0.020	74.731	TRUE	1.61E-16
COPD in ever smokers	EYA4	cg17985029	rs1763931	T	C	0.407	0.072	0.033	1.48E-08	-0.032	0.042	0.451	0.009	32.056	TRUE	5.10E-08
COPD in ever smokers	EYA4	cg17985029	rs271146	A	G	-0.189	0.028	0.309	8.94E-12	-0.042	0.016	0.011	0.012	46.523	TRUE	3.23E-10
COPD in ever smokers	EYA4	cg17985029	rs6569884	T	G	0.157	0.027	0.343	4.23E-09	0.016	0.016	0.309	0.009	34.496	TRUE	2.01E-08
COPD in ever smokers	EYA4	cg17985029	rs6915515	C	T	0.193	0.034	0.166	1.20E-08	-0.004	0.020	0.862	0.009	32.463	TRUE	2.41E-08
COPD in ever smokers	EYA4	cg17985029	rs78088188	A	G	0.421	0.063	0.039	2.27E-11	-0.009	0.039	0.820	0.012	44.699	TRUE	6.15E-11
COPD in ever smokers	EYA4	cg17985029	rs79506917	G	A	0.347	0.053	0.056	4.03E-11	-0.004	0.028	0.894	0.012	43.574	TRUE	9.62E-11
COPD in ever smokers	EYA4	cg17985029	rs9493650	G	T	0.218	0.030	0.213	2.56E-13	0.017	0.018	0.323	0.014	53.495	TRUE	2.09E-12
COPD in ever smokers	EYA4	cg18714224	rs116854053	G	A	-0.618	0.107	0.025	8.92E-09	-0.007	0.049	0.885	0.009	33.044	TRUE	1.76E-08
COPD in ever smokers	EYA4	cg18714224	rs1414982	G	A	-0.211	0.026	0.412	2.02E-16	0.008	0.015	0.605	0.018	67.549	TRUE	1.33E-15
COPD in ever smokers	EYA4	cg18714224	rs142408436	C	T	-0.474	0.076	0.024	5.51E-10	0.043	0.042	0.308	0.010	38.466	TRUE	2.96E-09
COPD in ever smokers	EYA4	cg18714224	rs211630	A	C	-0.325	0.053	0.058	9.22E-10	0.025	0.035	0.478	0.010	37.464	TRUE	3.51E-09
COPD in ever smokers	EYA4	cg18714224	rs2145351	A	G	-0.565	0.029	0.222	4.30E-83	0.022	0.018	0.209	0.092	372.731	TRUE	1.49E-76
COPD in ever smokers	EYA4	cg18714224	rs56017741	C	T	0.206	0.030	0.241	8.16E-12	-0.006	0.018	0.711	0.012	46.703	TRUE	2.71E-11
COPD in ever smokers	EYA4	cg18817392	rs73544950	A	C	-0.368	0.055	0.057	2.42E-11	-0.033	0.034	0.324	0.012	44.575	TRUE	1.51E-10
COPD in ever smokers	EYA4	cg21296676	rs9389054	C	T	0.224	0.025	0.443	8.72E-19	0.018	0.015	0.232	0.021	78.286	TRUE	2.01E-17
COPD in ever smokers	EYA4	cg21390624	rs1338009	C	T	0.171	0.025	0.442	1.71E-11	0.019	0.015	0.214	0.012	45.257	TRUE	1.44E-10
COPD in ever smokers	EYA4	cg24675448	rs146295755	T	C	0.699	0.079	0.026	1.22E-18	-0.058	0.050	0.246	0.021	77.623	TRUE	2.62E-17
COPD in ever smokers	EYA4	cg24675448	rs17639928	G	A	0.455	0.075	0.032	1.05E-09	0.033	0.044	0.454	0.010	37.216	TRUE	4.12E-09
COPD in ever smokers	EYA4	cg24675448	rs17819710	C	T	-0.239	0.041	0.109	4.27E-09	-0.020	0.024	0.405	0.009	34.477	TRUE	1.69E-08
COPD in ever smokers	EYA4	cg24675448	rs4513809	G	A	-0.315	0.057	0.056	3.09E-08	0.003	0.032	0.923	0.008	30.636	TRUE	5.54E-08
COPD in ever smokers	EYA4	cg24675448	rs540346	T	C	-0.247	0.026	0.424	1.05E-21	0.018	0.015	0.228	0.024	91.569	TRUE	3.77E-20
COPD in ever smokers	EYA4	cg24675448	rs6569884	T	G	0.173	0.027	0.343	8.74E-11	0.016	0.016	0.309	0.011	42.062	TRUE	5.23E-10
COPD in ever smokers	EYA4	cg24675448	rs75920132	C	A	0.692	0.077	0.027	2.18E-19	-0.032	0.048	0.508	0.021	81.027	TRUE	2.51E-18
COPD in ever smokers	EYA4	cg24675448	rs7756667	A	G	0.567	0.081	0.026	3.23E-12	-0.055	0.051	0.278	0.013	48.520	TRUE	2.54E-11
COPD in ever smokers	EYA4	cg24675448	rs79388041	T	C	0.579	0.097	0.018	2.40E-09	-0.015	0.057	0.794	0.010	35.598	TRUE	5.58E-09

COPD in ever smokers	EYA4	cg24675448	rs79506917	G	A	0.453	0.052	0.056	4.86E-18	-0.004	0.028	0.894	0.020	74.896	TRUE	2.23E-17
COPD in ever smokers	EYA4	cg24675448	rs9385643	A	G	0.299	0.025	0.492	1.86E-32	0.006	0.015	0.680	0.037	140.632	TRUE	7.44E-31
COPD in ever smokers	EYA4	cg24675448	rs9399054	A	G	0.824	0.029	0.219	3.19E-180	0.002	0.018	0.897	0.181	819.002	TRUE	2.04E-163
COPD in ever smokers	EYA4	cg24675448	rs9402503	A	C	0.378	0.042	0.261	3.88E-19	-0.003	0.017	0.864	0.021	79.887	TRUE	2.10E-18
COPD in ever smokers	EYA4	cg24675448	rs9493417	G	A	0.153	0.025	0.471	1.18E-09	0.009	0.015	0.538	0.010	36.975	TRUE	4.06E-09
COPD in ever smokers	EYA4	cg25075347	rs12202432	A	G	0.376	0.056	0.053	2.22E-11	0.042	0.032	0.196	0.012	44.744	TRUE	1.95E-10
COPD in ever smokers	EYA4	cg25075347	rs13212719	G	A	0.399	0.033	0.174	1.06E-33	-0.005	0.020	0.790	0.038	146.317	TRUE	3.76E-32
COPD in ever smokers	EYA4	cg25075347	rs148326755	T	G	0.467	0.085	0.020	3.36E-08	-0.007	0.050	0.886	0.008	30.471	TRUE	6.28E-08
COPD in ever smokers	EYA4	cg25075347	rs17642884	G	A	-0.279	0.034	0.162	2.82E-16	0.011	0.020	0.587	0.018	66.892	TRUE	1.89E-15
COPD in ever smokers	EYA4	cg25075347	rs211621	G	A	0.497	0.048	0.077	8.63E-25	0.038	0.030	0.209	0.028	105.631	TRUE	5.33E-23
COPD in ever smokers	EYA4	cg25075347	rs211623	T	G	0.938	0.019	0.466	<1E-200	0.032	0.015	0.030	0.388	2349.486	TRUE	<1E-200
COPD in ever smokers	EYA4	cg25075347	rs271114	T	C	-0.200	0.026	0.431	1.80E-14	-0.007	0.015	0.637	0.016	58.709	TRUE	8.98E-14
COPD in ever smokers	EYA4	cg25075347	rs35762882	C	T	0.818	0.140	0.016	5.31E-09	0.061	0.049	0.214	0.009	34.053	TRUE	3.08E-08
COPD in ever smokers	EYA4	cg25075347	rs6569884	T	G	0.197	0.027	0.343	1.40E-13	0.016	0.016	0.309	0.015	54.671	TRUE	1.23E-12
COPD in ever smokers	EYA4	cg25075347	rs9389048	T	C	0.285	0.037	0.142	1.22E-14	0.029	0.021	0.173	0.016	59.472	TRUE	1.91E-13
COPD in ever smokers	EYA4	cg25075347	rs9483586	A	G	-0.281	0.028	0.294	6.07E-24	-0.038	0.017	0.023	0.027	101.769	TRUE	1.72E-21
COPD in ever smokers	FER	cg11403831	rs79409628	T	G	-0.363	0.043	0.079	5.51E-17	0.006	0.027	0.824	0.019	70.107	TRUE	2.58E-16
COPD in ever smokers	FER	cg16174681	rs6594336	T	C	-0.150	0.024	0.453	2.03E-10	0.031	0.015	0.040	0.011	40.416	TRUE	3.35E-09
COPD in ever smokers	FER	cg16174681	rs79409628	T	G	0.513	0.044	0.079	1.15E-31	0.006	0.027	0.824	0.036	137.023	TRUE	2.87E-30
COPD in ever smokers	FER	cg17317165	rs143093286	A	G	-0.242	0.027	0.228	1.41E-18	-0.003	0.018	0.881	0.020	77.344	TRUE	6.98E-18
COPD in ever smokers	FER	cg17317165	rs6869357	C	T	-0.142	0.024	0.394	5.06E-09	0.004	0.015	0.814	0.009	34.146	TRUE	1.11E-08
COPD in ever smokers	FER	cg19526267	rs181331526	G	A	0.547	0.056	0.043	2.18E-22	0.035	0.034	0.305	0.025	94.680	TRUE	6.53E-21
COPD in ever smokers	FER	cg19730600	rs10059972	A	G	0.402	0.073	0.031	3.72E-08	-0.010	0.040	0.804	0.008	30.273	TRUE	7.64E-08
COPD in ever smokers	FER	cg19730600	rs115004203	A	G	0.440	0.068	0.030	1.27E-10	-0.041	0.043	0.350	0.011	41.332	TRUE	6.81E-10
COPD in ever smokers	FER	cg19730600	rs12152902	A	G	0.652	0.029	0.205	1.12E-115	-0.064	0.019	6.94E-04	0.124	522.366	TRUE	3.17E-102
COPD in ever smokers	FER	cg19730600	rs145640892	T	C	0.562	0.076	0.026	1.11E-13	-0.017	0.051	0.730	0.015	55.135	TRUE	4.33E-13
COPD in ever smokers	FER	cg19730600	rs2940516	C	T	-0.151	0.024	0.363	2.93E-10	-0.001	0.016	0.973	0.011	39.699	TRUE	5.83E-10
COPD in ever smokers	FER	cg19730600	rs35863505	T	G	0.261	0.027	0.252	1.17E-22	-0.023	0.017	0.181	0.025	95.913	TRUE	5.96E-21
COPD in ever smokers	FER	cg19730600	rs6861439	A	G	0.136	0.023	0.424	7.09E-09	-0.016	0.015	0.301	0.009	33.493	TRUE	3.31E-08
COPD in ever smokers	FER	cg19730600	rs6885260	T	G	-0.172	0.030	0.178	1.55E-08	-0.016	0.019	0.402	0.009	31.976	TRUE	5.73E-08
COPD in ever smokers	FER	cg19730600	rs75390688	A	C	0.350	0.055	0.052	1.66E-10	-0.042	0.032	0.195	0.011	40.808	TRUE	1.28E-09
COPD in ever smokers	FER	cg19730600	rs7711795	G	A	-0.199	0.026	0.295	1.86E-14	0.014	0.016	0.406	0.016	58.643	TRUE	1.46E-13
COPD in ever smokers	FER	cg20423064	rs10074335	G	A	-0.240	0.044	0.078	3.54E-08	0.024	0.028	0.383	0.008	30.369	TRUE	1.29E-07
COPD in ever smokers	FER	cg20423064	rs12519202	T	C	-0.221	0.035	0.119	3.41E-10	0.012	0.023	0.608	0.011	39.400	TRUE	1.12E-09
COPD in ever smokers	FER	cg20423064	rs2081126	C	T	-0.145	0.025	0.351	3.13E-09	-0.021	0.015	0.170	0.009	35.085	TRUE	2.13E-08
COPD in ever smokers	FER	cg20423064	rs75169262	A	G	-0.339	0.057	0.043	2.71E-09	-0.022	0.039	0.565	0.009	35.365	TRUE	8.54E-09
COPD in ever smokers	FER	cg20423064	rs7734520	T	G	-0.727	0.051	0.050	5.83E-47	0.014	0.031	0.657	0.053	207.009	TRUE	2.03E-44
COPD in ever smokers	FEZ2	cg01109574	rs13391939	A	G	0.171	0.025	0.423	3.24E-12	0.015	0.015	0.336	0.013	48.512	TRUE	2.22E-11
COPD in ever smokers	FEZ2	cg01109574	rs13405239	G	T	-0.313	0.024	0.381	7.22E-39	0.013	0.015	0.410	0.044	169.956	TRUE	1.67E-36
COPD in ever smokers	FEZ2	cg01109574	rs848505	C	T	-0.141	0.026	0.301	3.48E-08	0.029	0.016	0.080	0.008	30.404	TRUE	2.80E-07
COPD in ever smokers	FEZ2	cg01109574	rs848621	A	G	0.217	0.026	0.318	2.09E-17	0.051	0.016	0.001	0.019	72.024	TRUE	5.75E-15
COPD in ever smokers	FEZ2	cg01206211	rs10192768	T	C	0.285	0.050	0.166	1.10E-08	-0.010	0.020	0.614	0.009	32.644	TRUE	3.02E-08

COPD in ever smokers	FEZ2	cg01206211	rs115696505	T	G	-0.397	0.066	0.031	1.45E-09	0.010	0.046	0.833	0.010	36.578	TRUE	3.27E-09
COPD in ever smokers	FEZ2	cg01206211	rs2287104	T	C	-0.708	0.024	0.272	1.17E-191	0.018	0.017	0.281	0.191	871.580	TRUE	3.69E-171
COPD in ever smokers	FEZ2	cg01206211	rs2372707	T	C	-0.246	0.026	0.294	1.55E-21	0.020	0.017	0.223	0.024	90.800	TRUE	5.55E-20
COPD in ever smokers	FEZ2	cg01206211	rs3770946	A	G	-0.174	0.025	0.335	3.02E-12	0.032	0.016	0.038	0.013	48.648	TRUE	7.25E-11
COPD in ever smokers	FEZ2	cg01206211	rs4670563	G	A	-0.223	0.024	0.350	9.10E-20	0.012	0.016	0.438	0.022	82.752	TRUE	1.30E-18
COPD in ever smokers	FEZ2	cg01206211	rs62136183	G	A	0.439	0.074	0.024	3.29E-09	0.061	0.047	0.193	0.009	34.985	TRUE	2.09E-08
COPD in ever smokers	FEZ2	cg01206211	rs6733328	A	G	-0.156	0.026	0.313	2.03E-09	-0.009	0.016	0.582	0.010	35.924	TRUE	6.34E-09
COPD in ever smokers	FEZ2	cg01206211	rs848548	A	C	0.211	0.026	0.283	3.98E-16	-0.014	0.017	0.417	0.018	66.209	TRUE	3.76E-15
COPD in ever smokers	FEZ2	cg06634576	rs10192768	T	C	0.425	0.050	0.166	8.80E-18	-0.010	0.020	0.614	0.020	73.725	TRUE	6.67E-17
COPD in ever smokers	FEZ2	cg06634576	rs11124528	C	A	-0.187	0.024	0.411	1.31E-14	-0.010	0.015	0.513	0.016	59.339	TRUE	8.33E-14
COPD in ever smokers	FEZ2	cg06634576	rs113399069	C	A	-0.875	0.149	0.016	4.08E-09	-0.015	0.050	0.768	0.009	34.565	TRUE	9.59E-09
COPD in ever smokers	FEZ2	cg06634576	rs114378373	G	A	-0.647	0.056	0.048	2.96E-31	-0.019	0.035	0.595	0.035	135.142	TRUE	1.26E-29
COPD in ever smokers	FEZ2	cg06634576	rs115696505	T	G	0.467	0.066	0.031	1.16E-12	0.010	0.046	0.833	0.013	50.527	TRUE	3.49E-12
COPD in ever smokers	FEZ2	cg06634576	rs145219350	G	A	-0.847	0.092	0.017	2.39E-20	-0.070	0.062	0.261	0.023	85.392	TRUE	6.23E-19
COPD in ever smokers	FEZ2	cg06634576	rs1465335	A	G	-0.172	0.024	0.423	3.51E-13	-0.039	0.015	0.009	0.014	52.874	TRUE	1.86E-11
COPD in ever smokers	FEZ2	cg06634576	rs3770900	G	T	-0.313	0.024	0.416	1.53E-39	-0.012	0.015	0.443	0.045	173.038	TRUE	3.49E-37
COPD in ever smokers	FEZ2	cg06634576	rs4670148	T	C	0.507	0.025	0.317	9.19E-93	0.028	0.016	0.081	0.101	417.129	TRUE	1.51E-84
COPD in ever smokers	FEZ2	cg06634576	rs4670560	T	C	-0.595	0.027	0.226	1.73E-104	-0.030	0.018	0.099	0.113	470.975	TRUE	4.28E-95
COPD in ever smokers	FEZ2	cg06634576	rs62136186	G	A	0.401	0.072	0.025	1.99E-08	0.068	0.043	0.112	0.008	31.485	TRUE	1.45E-07
COPD in ever smokers	FEZ2	cg06634576	rs6714112	A	C	-0.287	0.033	0.149	1.01E-18	-0.047	0.022	0.030	0.021	78.006	TRUE	9.18E-17
COPD in ever smokers	FEZ2	cg06634576	rs711245	A	G	-0.962	0.021	0.321	<1E-200	-0.037	0.016	0.020	0.367	2148.898	TRUE	<1E-200
COPD in ever smokers	FEZ2	cg06634576	rs72785167	T	C	-0.246	0.044	0.075	2.98E-08	0.014	0.028	0.624	0.008	30.703	TRUE	7.73E-08
COPD in ever smokers	FEZ2	cg06634576	rs72795287	T	C	-0.769	0.092	0.019	4.59E-17	-0.102	0.063	0.104	0.019	70.467	TRUE	1.48E-15
COPD in ever smokers	FEZ2	cg06634576	rs76259623	C	T	0.384	0.041	0.080	8.11E-21	0.056	0.028	0.045	0.023	87.528	TRUE	8.51E-19
COPD in ever smokers	FEZ2	cg06634576	rs848504	T	C	0.157	0.024	0.418	4.28E-11	0.049	0.015	0.001	0.012	43.457	TRUE	2.66E-09
COPD in ever smokers	FEZ2	cg06634576	rs997602	G	A	-0.436	0.038	0.107	9.02E-30	-0.006	0.023	0.784	0.034	128.365	TRUE	1.96E-28
COPD in ever smokers	FEZ2	cg07673538	rs1544655	G	A	0.331	0.027	0.271	5.55E-35	0.017	0.017	0.307	0.040	152.182	TRUE	1.06E-32
COPD in ever smokers	FEZ2	cg07673538	rs7602835	A	G	-0.147	0.024	0.409	9.61E-10	0.009	0.015	0.571	0.010	37.382	TRUE	3.16E-09
COPD in ever smokers	FEZ2	cg07673538	rs76525014	A	G	0.391	0.071	0.028	3.84E-08	0.019	0.052	0.718	0.008	30.211	TRUE	8.74E-08
COPD in ever smokers	FEZ2	cg09467607	rs1017153	G	T	0.291	0.027	0.230	2.67E-26	-0.018	0.017	0.304	0.030	112.513	TRUE	1.40E-24
COPD in ever smokers	FEZ2	cg09467607	rs10191126	G	A	0.144	0.025	0.323	8.52E-09	-0.005	0.016	0.773	0.009	33.135	TRUE	1.93E-08
COPD in ever smokers	FEZ2	cg09467607	rs111600359	C	T	-0.607	0.025	0.296	2.86E-131	0.016	0.017	0.337	0.138	594.011	TRUE	9.66E-120
COPD in ever smokers	FEZ2	cg09467607	rs145219350	G	A	0.538	0.092	0.017	4.96E-09	-0.070	0.062	0.261	0.009	34.188	TRUE	2.58E-08
COPD in ever smokers	FEZ2	cg09467607	rs17480531	T	G	0.419	0.060	0.041	3.33E-12	0.004	0.037	0.923	0.013	48.460	TRUE	8.39E-12
COPD in ever smokers	FEZ2	cg09467607	rs1861392	G	A	0.287	0.033	0.149	2.00E-18	-0.026	0.021	0.222	0.020	76.646	TRUE	4.56E-17
COPD in ever smokers	FEZ2	cg09467607	rs2110881	C	T	-0.315	0.040	0.102	1.65E-15	-0.009	0.025	0.725	0.017	63.405	TRUE	7.90E-15
COPD in ever smokers	FEZ2	cg09467607	rs2372694	G	A	0.294	0.026	0.299	3.24E-30	-0.028	0.016	0.088	0.034	130.398	TRUE	1.06E-27
COPD in ever smokers	FEZ2	cg09467607	rs3732075	A	G	0.202	0.027	0.250	5.83E-14	-0.026	0.017	0.132	0.015	56.399	TRUE	9.77E-13
COPD in ever smokers	FEZ2	cg09467607	rs3770946	A	G	-0.283	0.025	0.335	3.82E-30	0.032	0.016	0.038	0.034	130.070	TRUE	2.41E-27
COPD in ever smokers	FEZ2	cg09467607	rs75597083	A	G	0.363	0.043	0.082	4.17E-17	-0.022	0.026	0.403	0.019	70.657	TRUE	4.62E-16
COPD in ever smokers	FEZ2	cg09467607	rs848548	A	C	0.343	0.026	0.283	1.09E-40	-0.014	0.017	0.417	0.046	178.290	TRUE	3.27E-38
COPD in ever smokers	FEZ2	cg09467607	rs882842	C	A	0.425	0.070	0.030	1.35E-09	-0.026	0.046	0.564	0.010	36.721	TRUE	4.41E-09

COPD in ever smokers	FEZ2	cg09467607	rs997602	G	A	0.243	0.039	0.107	3.52E-10	-0.006	0.023	0.784	0.011	39.341	TRUE	8.97E-10
COPD in ever smokers	FEZ2	cg10546459	rs10084382	T	C	0.307	0.026	0.312	2.81E-33	-0.004	0.016	0.795	0.038	144.387	TRUE	9.26E-32
COPD in ever smokers	FEZ2	cg10546459	rs10191126	G	A	0.284	0.025	0.323	3.05E-30	-0.005	0.016	0.773	0.034	130.518	TRUE	7.19E-29
COPD in ever smokers	FEZ2	cg10546459	rs112164165	G	T	0.513	0.092	0.018	2.66E-08	0.029	0.054	0.594	0.008	30.924	TRUE	7.22E-08
COPD in ever smokers	FEZ2	cg10546459	rs114882057	G	A	-0.488	0.079	0.022	7.42E-10	-0.060	0.047	0.205	0.010	37.885	TRUE	5.02E-09
COPD in ever smokers	FEZ2	cg10546459	rs115545989	T	G	0.528	0.032	0.153	2.41E-59	-0.041	0.021	0.049	0.067	263.770	TRUE	3.53E-54
COPD in ever smokers	FEZ2	cg10546459	rs115696505	T	G	-0.656	0.065	0.031	9.73E-24	0.010	0.046	0.833	0.027	100.833	TRUE	9.25E-23
COPD in ever smokers	FEZ2	cg10546459	rs11678226	C	T	-0.916	0.021	0.303	<1E-200	0.026	0.017	0.114	0.340	1905.014	TRUE	<1E-200
COPD in ever smokers	FEZ2	cg10546459	rs13417363	A	G	0.162	0.030	0.187	3.84E-08	0.018	0.019	0.346	0.008	30.212	TRUE	1.49E-07
COPD in ever smokers	FEZ2	cg10546459	rs17479952	A	G	0.438	0.078	0.022	1.95E-08	0.014	0.047	0.766	0.008	31.529	TRUE	4.30E-08
COPD in ever smokers	FEZ2	cg10546459	rs2372707	T	C	-0.344	0.026	0.294	8.39E-41	0.020	0.017	0.223	0.046	178.812	TRUE	6.19E-38
COPD in ever smokers	FEZ2	cg10546459	rs3770929	A	G	0.328	0.024	0.409	1.17E-43	-0.033	0.015	0.029	0.049	191.894	TRUE	1.19E-39
COPD in ever smokers	FEZ2	cg10546459	rs4670563	G	A	-0.307	0.024	0.350	3.10E-36	0.012	0.016	0.438	0.041	157.910	TRUE	4.35E-34
COPD in ever smokers	FEZ2	cg10546459	rs62136186	G	A	0.462	0.071	0.025	1.01E-10	0.068	0.043	0.112	0.011	41.787	TRUE	1.09E-09
COPD in ever smokers	FEZ2	cg10546459	rs6710384	C	A	0.317	0.034	0.136	1.22E-20	-0.036	0.022	0.112	0.023	86.715	TRUE	6.69E-19
COPD in ever smokers	FEZ2	cg10546459	rs68111809	C	T	-0.536	0.081	0.019	4.57E-11	0.002	0.053	0.971	0.012	43.329	TRUE	9.76E-11
COPD in ever smokers	FEZ2	cg10546459	rs72787263	A	C	-0.402	0.042	0.088	6.48E-22	0.005	0.027	0.838	0.024	92.527	TRUE	4.97E-21
COPD in ever smokers	FEZ2	cg10546459	rs76259623	C	T	-0.482	0.041	0.080	4.99E-32	0.056	0.028	0.045	0.036	138.676	TRUE	3.90E-29
COPD in ever smokers	FEZ2	cg10546459	rs848505	C	T	0.303	0.026	0.301	1.67E-32	0.029	0.016	0.080	0.037	140.846	TRUE	8.85E-30
COPD in ever smokers	FEZ2	cg10546459	rs848555	T	G	0.275	0.026	0.266	1.57E-25	-0.003	0.017	0.864	0.029	109.002	TRUE	1.71E-24
COPD in ever smokers	FEZ2	cg10546459	rs882842	C	A	0.443	0.070	0.030	2.67E-10	-0.026	0.046	0.564	0.011	39.880	TRUE	9.45E-10
COPD in ever smokers	FEZ2	cg11324054	rs13013664	A	C	0.218	0.025	0.323	1.70E-18	-0.042	0.016	0.009	0.020	76.968	TRUE	2.82E-16
COPD in ever smokers	FEZ2	cg15105969	rs10191126	G	A	0.271	0.025	0.323	1.16E-27	-0.005	0.016	0.773	0.031	118.733	TRUE	1.99E-26
COPD in ever smokers	FEZ2	cg15105969	rs10192768	T	C	0.334	0.050	0.166	2.04E-11	-0.010	0.020	0.614	0.012	44.908	TRUE	7.56E-11
COPD in ever smokers	FEZ2	cg15105969	rs115696505	T	G	-0.636	0.065	0.031	2.23E-22	0.010	0.046	0.833	0.025	94.638	TRUE	1.82E-21
COPD in ever smokers	FEZ2	cg15105969	rs11678226	C	T	-0.864	0.023	0.303	<1E-200	0.026	0.017	0.114	0.283	1462.909	TRUE	3.13E-273
COPD in ever smokers	FEZ2	cg15105969	rs13417363	A	G	0.178	0.030	0.187	1.51E-09	0.018	0.019	0.346	0.010	36.505	TRUE	7.06E-09
COPD in ever smokers	FEZ2	cg15105969	rs17479952	A	G	0.452	0.078	0.022	6.47E-09	0.014	0.047	0.766	0.009	33.669	TRUE	1.50E-08
COPD in ever smokers	FEZ2	cg15105969	rs2372707	T	C	-0.345	0.026	0.294	5.46E-41	0.020	0.017	0.223	0.046	179.665	TRUE	4.15E-38
COPD in ever smokers	FEZ2	cg15105969	rs3770929	A	G	0.309	0.024	0.409	4.47E-39	-0.033	0.015	0.029	0.044	170.912	TRUE	1.86E-35
COPD in ever smokers	FEZ2	cg15105969	rs4670563	G	A	-0.335	0.024	0.350	7.02E-43	0.012	0.016	0.438	0.048	188.322	TRUE	2.75E-40
COPD in ever smokers	FEZ2	cg15105969	rs540730021	G	A	0.563	0.073	0.027	1.53E-14	-0.003	0.046	0.945	0.016	59.029	TRUE	4.60E-14
COPD in ever smokers	FEZ2	cg15105969	rs60512518	G	A	0.142	0.026	0.306	3.34E-08	-0.027	0.016	0.097	0.008	30.480	TRUE	2.49E-07
COPD in ever smokers	FEZ2	cg15105969	rs62134623	G	A	-0.316	0.045	0.072	2.50E-12	0.011	0.028	0.705	0.013	49.023	TRUE	8.84E-12
COPD in ever smokers	FEZ2	cg15105969	rs62136179	G	A	-0.622	0.105	0.010	3.52E-09	-0.015	0.070	0.827	0.009	34.856	TRUE	7.70E-09
COPD in ever smokers	FEZ2	cg15105969	rs62136186	G	A	0.397	0.072	0.025	2.81E-08	0.068	0.043	0.112	0.008	30.819	TRUE	1.99E-07
COPD in ever smokers	FEZ2	cg15105969	rs711245	A	G	0.441	0.025	0.321	7.81E-69	-0.037	0.016	0.020	0.077	307.294	TRUE	2.41E-62
COPD in ever smokers	FEZ2	cg15105969	rs72787263	A	C	-0.322	0.042	0.088	1.65E-14	0.005	0.027	0.838	0.016	58.882	TRUE	5.88E-14
COPD in ever smokers	FEZ2	cg15105969	rs76259623	C	T	-0.482	0.041	0.080	5.36E-32	0.056	0.028	0.045	0.036	138.534	TRUE	4.16E-29
COPD in ever smokers	FEZ2	cg15105969	rs848505	C	T	0.260	0.026	0.301	3.13E-24	0.029	0.016	0.080	0.027	103.081	TRUE	4.01E-22
COPD in ever smokers	FEZ2	cg15105969	rs848555	T	G	0.304	0.026	0.266	6.97E-31	-0.003	0.017	0.864	0.035	133.445	TRUE	1.43E-29
COPD in ever smokers	FEZ2	cg15105969	rs997602	G	A	0.269	0.039	0.107	3.46E-12	-0.006	0.023	0.784	0.013	48.381	TRUE	1.07E-11

COPD in ever smokers	FEZ2	cg24860371	rs11693359	T	C	-0.191	0.025	0.359	7.69E-15	0.001	0.016	0.931	0.016	60.380	TRUE	2.43E-14
COPD in ever smokers	FGF10	cg16536718	rs969520	T	G	0.216	0.029	0.188	5.54E-14	-0.049	0.019	0.008	0.015	56.497	TRUE	3.61E-12
COPD in ever smokers	GALNS	cg00073650	rs12102389	A	G	-1.041	0.087	0.021	9.35E-33	-0.031	0.049	0.517	0.037	142.001	TRUE	6.13E-31
COPD in ever smokers	GALNS	cg00086334	rs11648295	T	G	-0.414	0.049	0.125	1.66E-17	-0.029	0.022	0.195	0.019	72.471	TRUE	3.66E-16
COPD in ever smokers	GALNS	cg00230183	rs1064315	A	G	-0.251	0.027	0.256	3.77E-20	-0.008	0.018	0.655	0.022	84.491	TRUE	3.45E-19
COPD in ever smokers	GALNS	cg00230183	rs12102389	A	G	1.013	0.088	0.021	1.42E-30	-0.031	0.049	0.517	0.034	132.027	TRUE	6.89E-29
COPD in ever smokers	GALNS	cg00230183	rs533581	C	T	0.161	0.024	0.398	1.17E-11	0.007	0.015	0.645	0.012	46.000	TRUE	4.23E-11
COPD in ever smokers	GALNS	cg01241798	rs11640595	T	C	-1.126	0.061	0.042	1.54E-75	-0.041	0.041	0.324	0.084	338.063	TRUE	4.45E-70
COPD in ever smokers	GALNS	cg01241798	rs12931849	C	T	-0.301	0.029	0.206	1.81E-24	0.001	0.018	0.965	0.027	104.165	TRUE	1.41E-23
COPD in ever smokers	GALNS	cg01241798	rs12933643	T	C	-0.533	0.089	0.034	2.32E-09	0.051	0.037	0.168	0.010	35.666	TRUE	1.62E-08
COPD in ever smokers	GALNS	cg01241798	rs13306296	A	G	-0.150	0.024	0.361	7.20E-10	0.022	0.016	0.152	0.010	37.946	TRUE	5.76E-09
COPD in ever smokers	GALNS	cg01241798	rs147668693	A	G	0.475	0.056	0.049	2.60E-17	0.024	0.033	0.464	0.019	71.585	TRUE	2.56E-16
COPD in ever smokers	GALNS	cg01241798	rs154663	T	C	-0.359	0.041	0.101	9.35E-19	-0.015	0.026	0.552	0.021	78.149	TRUE	9.05E-18
COPD in ever smokers	GALNS	cg01241798	rs1646235	C	T	-0.235	0.041	0.200	1.26E-08	0.019	0.019	0.309	0.009	32.380	TRUE	5.57E-08
COPD in ever smokers	GALNS	cg01241798	rs2269333	G	A	-0.733	0.025	0.288	3.15E-189	-0.015	0.017	0.378	0.189	860.408	TRUE	1.61E-169
COPD in ever smokers	GALNS	cg01241798	rs258336	T	G	0.175	0.024	0.459	1.41E-13	-0.022	0.015	0.141	0.015	54.658	TRUE	2.14E-12
COPD in ever smokers	GALNS	cg01241798	rs2879898	T	C	-0.256	0.025	0.352	5.34E-25	-0.015	0.016	0.344	0.028	106.580	TRUE	2.03E-23
COPD in ever smokers	GALNS	cg01241798	rs34060566	A	C	0.253	0.024	0.360	7.94E-26	0.006	0.017	0.737	0.029	110.357	TRUE	1.19E-24
COPD in ever smokers	GALNS	cg01241798	rs34536643	G	A	-0.833	0.117	0.021	1.28E-12	-0.025	0.054	0.647	0.013	50.329	TRUE	5.14E-12
COPD in ever smokers	GALNS	cg01241798	rs4782469	A	G	0.182	0.029	0.228	3.42E-10	0.021	0.018	0.250	0.011	39.399	TRUE	2.16E-09
COPD in ever smokers	GALNS	cg01241798	rs4785639	A	G	-0.201	0.030	0.201	1.06E-11	-0.008	0.019	0.674	0.012	46.183	TRUE	3.70E-11
COPD in ever smokers	GALNS	cg01241798	rs4785645	G	A	-0.185	0.027	0.256	3.77E-12	-0.026	0.018	0.141	0.013	48.214	TRUE	4.55E-11
COPD in ever smokers	GALNS	cg01241798	rs563013384	T	C	-1.170	0.090	0.030	8.62E-39	-0.040	0.042	0.343	0.044	169.604	TRUE	2.56E-36
COPD in ever smokers	GALNS	cg01241798	rs6500516	C	T	-0.245	0.027	0.272	8.06E-20	-0.028	0.017	0.100	0.022	82.990	TRUE	4.19E-18
COPD in ever smokers	GALNS	cg01241798	rs7186902	A	C	-0.169	0.030	0.181	2.69E-08	-0.012	0.020	0.550	0.008	30.903	TRUE	7.73E-08
COPD in ever smokers	GALNS	cg01241798	rs7188277	C	T	-0.236	0.031	0.181	2.24E-14	-0.028	0.020	0.157	0.016	58.278	TRUE	3.59E-13
COPD in ever smokers	GALNS	cg01241798	rs7205379	G	A	-0.548	0.041	0.190	1.02E-41	-0.025	0.019	0.178	0.047	182.998	TRUE	1.16E-38
COPD in ever smokers	GALNS	cg01241798	rs72631429	T	C	-0.271	0.028	0.224	1.22E-21	-0.015	0.018	0.402	0.024	91.278	TRUE	2.45E-20
COPD in ever smokers	GALNS	cg01241798	rs72809428	A	G	-0.192	0.031	0.181	5.76E-10	0.035	0.020	0.081	0.010	38.380	TRUE	6.42E-09
COPD in ever smokers	GALNS	cg01241798	rs72809455	C	A	-0.217	0.039	0.102	3.31E-08	-0.029	0.024	0.212	0.008	30.500	TRUE	1.71E-07
COPD in ever smokers	GALNS	cg01241798	rs8050636	T	C	0.227	0.032	0.162	7.08E-13	0.027	0.020	0.181	0.014	51.493	TRUE	8.21E-12
COPD in ever smokers	GALNS	cg01686522	rs111616786	A	G	0.402	0.049	0.062	3.92E-16	0.017	0.028	0.550	0.018	66.240	TRUE	2.79E-15
COPD in ever smokers	GALNS	cg01686522	rs11648295	T	G	-0.307	0.049	0.125	3.71E-10	-0.029	0.022	0.195	0.010	39.239	TRUE	2.71E-09
COPD in ever smokers	GALNS	cg01686522	rs118132614	C	T	0.336	0.056	0.046	2.75E-09	-0.016	0.033	0.618	0.009	35.334	TRUE	8.04E-09
COPD in ever smokers	GALNS	cg01686522	rs2242171	C	T	-0.197	0.024	0.397	1.26E-16	0.021	0.015	0.177	0.018	68.476	TRUE	2.62E-15
COPD in ever smokers	GALNS	cg01686522	rs34060566	A	C	0.157	0.024	0.360	8.22E-11	0.006	0.017	0.737	0.011	42.182	TRUE	2.38E-10
COPD in ever smokers	GALNS	cg01686522	rs35137494	A	G	0.729	0.031	0.160	1.26E-122	0.008	0.020	0.671	0.130	554.301	TRUE	4.75E-113
COPD in ever smokers	GALNS	cg01686522	rs480474	C	T	-0.476	0.065	0.078	2.49E-13	0.007	0.029	0.798	0.014	53.542	TRUE	8.44E-13
COPD in ever smokers	GALNS	cg01686522	rs80304559	A	G	0.224	0.038	0.105	3.08E-09	-0.008	0.024	0.725	0.009	35.114	TRUE	7.74E-09
COPD in ever smokers	GALNS	cg02669544	rs147197496	T	G	-1.349	0.135	0.017	1.66E-23	-0.116	0.073	0.112	0.026	99.777	TRUE	1.45E-21
COPD in ever smokers	GALNS	cg02717656	rs12447646	A	G	-0.297	0.027	0.243	2.55E-27	-0.012	0.018	0.500	0.031	117.170	TRUE	8.34E-26
COPD in ever smokers	GALNS	cg02724461	rs11640595	T	C	0.390	0.063	0.042	4.66E-10	-0.041	0.041	0.324	0.010	38.794	TRUE	2.44E-09

COPD in ever smokers	GALNS	cg02724461	rs118132614	C	T	0.395	0.056	0.046	2.44E-12	-0.016	0.033	0.618	0.013	49.066	TRUE	9.95E-12
COPD in ever smokers	GALNS	cg02724461	rs12934499	T	C	0.541	0.027	0.256	4.70E-91	-0.008	0.018	0.668	0.100	409.281	TRUE	7.09E-85
COPD in ever smokers	GALNS	cg02724461	rs2306050	T	C	0.257	0.029	0.216	1.29E-18	-0.017	0.018	0.359	0.021	77.509	TRUE	1.96E-17
COPD in ever smokers	GALNS	cg02724461	rs6500502	A	G	-0.131	0.023	0.488	1.68E-08	-0.002	0.015	0.885	0.009	31.815	TRUE	3.23E-08
COPD in ever smokers	GALNS	cg02724461	rs8050636	T	C	-0.208	0.032	0.162	4.88E-11	0.027	0.020	0.181	0.012	43.201	TRUE	4.27E-10
COPD in ever smokers	GALNS	cg04364752	rs3784883	T	C	0.276	0.027	0.257	2.12E-24	-0.007	0.018	0.681	0.027	103.850	TRUE	3.04E-23
COPD in ever smokers	GALNS	cg04458924	rs113797435	T	G	0.413	0.054	0.054	2.56E-14	-0.034	0.033	0.297	0.015	58.019	TRUE	2.56E-13
COPD in ever smokers	GALNS	cg04458924	rs141712769	C	T	0.430	0.062	0.040	5.27E-12	-0.038	0.041	0.363	0.013	47.557	TRUE	3.30E-11
COPD in ever smokers	GALNS	cg04458924	rs144243016	G	A	0.387	0.054	0.051	5.71E-13	0.032	0.033	0.330	0.014	51.916	TRUE	4.38E-12
COPD in ever smokers	GALNS	cg04458924	rs2306050	T	C	0.158	0.029	0.216	4.30E-08	-0.017	0.018	0.359	0.008	29.991	TRUE	1.62E-07
COPD in ever smokers	GALNS	cg04458924	rs3826066	C	T	0.483	0.024	0.362	2.80E-91	-0.025	0.016	0.117	0.100	410.313	TRUE	1.81E-83
COPD in ever smokers	GALNS	cg04458924	rs4782336	C	A	0.143	0.023	0.457	9.93E-10	-0.020	0.015	0.174	0.010	37.319	TRUE	7.23E-09
COPD in ever smokers	GALNS	cg04458924	rs77206885	G	A	0.262	0.046	0.068	1.83E-08	-0.007	0.029	0.811	0.008	31.653	TRUE	3.83E-08
COPD in ever smokers	GALNS	cg04551282	rs12597726	A	G	0.142	0.026	0.307	3.92E-08	-0.007	0.016	0.646	0.008	30.174	TRUE	9.75E-08
COPD in ever smokers	GALNS	cg04551282	rs142099589	A	C	0.574	0.075	0.027	2.28E-14	0.072	0.048	0.135	0.016	58.245	TRUE	4.02E-13
COPD in ever smokers	GALNS	cg04551282	rs2306050	T	C	0.258	0.029	0.216	8.99E-19	-0.017	0.018	0.359	0.021	78.228	TRUE	1.39E-17
COPD in ever smokers	GALNS	cg04551282	rs4782336	C	A	0.140	0.024	0.457	4.19E-09	-0.020	0.015	0.174	0.009	34.515	TRUE	2.76E-08
COPD in ever smokers	GALNS	cg04551282	rs6500517	C	A	0.373	0.053	0.059	2.40E-12	0.002	0.036	0.953	0.013	49.101	TRUE	5.86E-12
COPD in ever smokers	GALNS	cg05256999	rs7188107	T	G	-0.182	0.025	0.316	6.11E-13	-0.016	0.016	0.334	0.014	51.783	TRUE	4.63E-12
COPD in ever smokers	GALNS	cg05397122	rs117384401	A	G	-0.430	0.077	0.045	2.76E-08	0.032	0.035	0.357	0.008	30.851	TRUE	1.07E-07
COPD in ever smokers	GALNS	cg05397122	rs3743546	G	A	-0.291	0.026	0.309	4.15E-29	-0.019	0.016	0.259	0.033	125.335	TRUE	3.96E-27
COPD in ever smokers	GALNS	cg05397122	rs563013384	T	C	-1.677	0.087	0.030	9.90E-83	-0.040	0.042	0.343	0.091	371.069	TRUE	1.21E-76
COPD in ever smokers	GALNS	cg05943860	rs144243016	G	A	-0.456	0.054	0.051	4.47E-17	0.032	0.033	0.330	0.019	70.519	TRUE	5.95E-16
COPD in ever smokers	GALNS	cg05943860	rs2161730	G	A	-0.456	0.026	0.301	5.26E-71	-0.009	0.017	0.592	0.079	317.259	TRUE	1.62E-66
COPD in ever smokers	GALNS	cg05943860	rs2306050	T	C	-0.221	0.029	0.216	3.81E-14	-0.017	0.018	0.359	0.015	57.235	TRUE	3.19E-13
COPD in ever smokers	GALNS	cg05943860	rs516137	C	T	-0.185	0.032	0.173	7.76E-09	-0.032	0.020	0.109	0.009	33.317	TRUE	6.14E-08
COPD in ever smokers	GALNS	cg05943860	rs753602	T	C	0.174	0.026	0.285	1.26E-11	0.022	0.016	0.176	0.012	45.849	TRUE	1.23E-10
COPD in ever smokers	GALNS	cg05943860	rs77206885	G	A	-0.305	0.047	0.068	8.34E-11	-0.007	0.029	0.811	0.011	42.155	TRUE	2.17E-10
COPD in ever smokers	GALNS	cg06062279	rs6500515	G	A	0.161	0.029	0.211	3.73E-08	-0.027	0.018	0.138	0.008	30.271	TRUE	2.35E-07
COPD in ever smokers	GALNS	cg06062279	rs837763	C	T	0.139	0.024	0.445	3.79E-09	-0.015	0.015	0.311	0.009	34.708	TRUE	1.80E-08
COPD in ever smokers	GALNS	cg06526420	rs117742652	A	G	0.453	0.079	0.039	1.08E-08	-0.034	0.039	0.379	0.009	32.680	TRUE	4.23E-08
COPD in ever smokers	GALNS	cg06526420	rs2306050	T	C	-0.184	0.029	0.216	2.83E-10	-0.017	0.018	0.359	0.011	39.768	TRUE	1.42E-09
COPD in ever smokers	GALNS	cg06526420	rs4592657	G	A	-0.228	0.039	0.105	6.48E-09	-0.024	0.025	0.343	0.009	33.666	TRUE	2.80E-08
COPD in ever smokers	GALNS	cg06526420	rs7499525	T	C	-0.175	0.028	0.239	3.11E-10	-0.007	0.018	0.669	0.011	39.585	TRUE	9.33E-10
COPD in ever smokers	GALNS	cg06526420	rs8045567	A	G	0.137	0.024	0.401	9.95E-09	0.010	0.015	0.516	0.009	32.833	TRUE	3.16E-08
COPD in ever smokers	GALNS	cg06526420	rs8054994	T	G	-0.375	0.026	0.288	1.78E-46	-0.010	0.017	0.542	0.052	204.794	TRUE	8.46E-44
COPD in ever smokers	GALNS	cg06680609	rs147408884	T	C	-0.826	0.087	0.029	3.13E-21	-0.033	0.042	0.430	0.024	89.408	TRUE	5.54E-20
COPD in ever smokers	GALNS	cg06941554	rs117577078	G	A	-1.098	0.087	0.031	2.77E-36	-0.028	0.042	0.508	0.041	158.134	TRUE	3.11E-34
COPD in ever smokers	GALNS	cg06941554	rs12930286	T	C	0.185	0.025	0.333	2.14E-13	-0.020	0.016	0.208	0.014	53.846	TRUE	2.44E-12
COPD in ever smokers	GALNS	cg06941554	rs148375912	A	G	0.533	0.095	0.018	2.40E-08	-0.005	0.052	0.930	0.008	31.126	TRUE	4.31E-08
COPD in ever smokers	GALNS	cg07731312	rs3859025	T	C	0.195	0.024	0.366	1.29E-15	-0.024	0.016	0.120	0.017	63.901	TRUE	2.99E-14
COPD in ever smokers	GALNS	cg07774081	rs11076715	T	C	0.404	0.027	0.272	5.23E-52	-0.026	0.017	0.135	0.059	230.138	TRUE	5.38E-48

COPD in ever smokers	GALNS	cg07774081	rs147668693	A	G	0.316	0.056	0.049	1.48E-08	0.024	0.033	0.464	0.009	32.061	TRUE	4.98E-08
COPD in ever smokers	GALNS	cg07947266	rs1141390	G	A	-0.163	0.025	0.329	1.01E-10	-0.035	0.016	0.034	0.011	41.785	TRUE	1.89E-09
COPD in ever smokers	GALNS	cg08136432	rs114447962	T	G	-0.139	0.024	0.453	4.47E-09	-0.022	0.015	0.136	0.009	34.389	TRUE	3.33E-08
COPD in ever smokers	GALNS	cg08136432	rs2879898	T	C	-0.157	0.025	0.352	2.58E-10	-0.015	0.016	0.344	0.011	39.950	TRUE	1.34E-09
COPD in ever smokers	GALNS	cg08136432	rs7194471	T	C	-0.445	0.065	0.061	5.43E-12	-0.026	0.030	0.386	0.013	47.501	TRUE	3.24E-11
COPD in ever smokers	GALNS	cg08136432	rs8050636	T	C	0.276	0.031	0.162	1.65E-18	0.027	0.020	0.181	0.020	77.032	TRUE	4.48E-17
COPD in ever smokers	GALNS	cg09308897	rs111504162	A	G	-0.278	0.037	0.119	3.73E-14	0.019	0.022	0.387	0.015	57.273	TRUE	2.93E-13
COPD in ever smokers	GALNS	cg09308897	rs113096685	T	C	-0.281	0.047	0.069	2.18E-09	0.026	0.029	0.361	0.010	35.783	TRUE	9.73E-09
COPD in ever smokers	GALNS	cg09308897	rs11640595	T	C	0.667	0.062	0.042	8.36E-27	-0.041	0.041	0.324	0.030	114.818	TRUE	4.39E-25
COPD in ever smokers	GALNS	cg09308897	rs118132614	C	T	0.576	0.056	0.046	9.02E-25	-0.016	0.033	0.618	0.028	105.544	TRUE	1.57E-23
COPD in ever smokers	GALNS	cg09308897	rs12444543	G	A	0.864	0.023	0.286	<1E-200	-0.014	0.017	0.412	0.277	1417.445	TRUE	1.62E-267
COPD in ever smokers	GALNS	cg09308897	rs12444871	T	C	0.258	0.042	0.099	6.77E-10	0.017	0.027	0.538	0.010	38.066	TRUE	2.38E-09
COPD in ever smokers	GALNS	cg09308897	rs146593560	G	T	-1.020	0.124	0.018	1.98E-16	0.011	0.054	0.838	0.018	67.590	TRUE	8.53E-16
COPD in ever smokers	GALNS	cg09308897	rs147668693	A	G	0.769	0.056	0.049	2.00E-43	0.024	0.033	0.464	0.049	190.820	TRUE	7.73E-41
COPD in ever smokers	GALNS	cg09308897	rs2306050	T	C	0.392	0.029	0.216	1.41E-41	-0.017	0.018	0.359	0.047	182.351	TRUE	6.13E-39
COPD in ever smokers	GALNS	cg09308897	rs2911268	A	G	0.269	0.030	0.189	7.71E-19	0.002	0.019	0.905	0.021	78.529	TRUE	3.76E-18
COPD in ever smokers	GALNS	cg09308897	rs34278797	A	G	0.662	0.109	0.025	1.06E-09	-0.046	0.046	0.313	0.010	37.191	TRUE	5.41E-09
COPD in ever smokers	GALNS	cg09308897	rs34308486	C	A	0.201	0.026	0.316	4.03E-15	-0.005	0.016	0.747	0.016	61.653	TRUE	1.78E-14
COPD in ever smokers	GALNS	cg09308897	rs507540	A	G	-0.241	0.034	0.319	1.29E-12	0.004	0.016	0.815	0.013	50.314	TRUE	3.97E-12
COPD in ever smokers	GALNS	cg09308897	rs533581	C	T	-0.258	0.024	0.398	1.31E-27	0.007	0.015	0.645	0.031	118.486	TRUE	3.05E-26
COPD in ever smokers	GALNS	cg09308897	rs555812	G	T	-0.231	0.039	0.225	2.42E-09	0.010	0.019	0.589	0.010	35.582	TRUE	7.42E-09
COPD in ever smokers	GALNS	cg09308897	rs56401214	G	A	-1.559	0.089	0.022	3.42E-68	-0.032	0.048	0.511	0.076	304.349	TRUE	8.64E-64
COPD in ever smokers	GALNS	cg09308897	rs62045845	G	T	-0.193	0.025	0.318	1.87E-14	0.004	0.016	0.806	0.016	58.628	TRUE	7.01E-14
COPD in ever smokers	GALNS	cg09308897	rs7199959	C	T	0.317	0.028	0.224	1.29E-29	0.002	0.018	0.921	0.033	127.657	TRUE	1.98E-28
COPD in ever smokers	GALNS	cg09308897	rs8048125	T	C	-0.187	0.025	0.308	1.84E-13	-0.022	0.016	0.169	0.014	54.139	TRUE	2.43E-12
COPD in ever smokers	GALNS	cg09308897	rs8191469	T	G	-0.297	0.053	0.064	1.60E-08	-0.062	0.033	0.064	0.009	31.907	TRUE	1.51E-07
COPD in ever smokers	GALNS	cg09807356	rs118132614	C	T	0.442	0.056	0.046	4.10E-15	-0.016	0.033	0.618	0.016	61.618	TRUE	2.27E-14
COPD in ever smokers	GALNS	cg09807356	rs12597751	T	G	0.174	0.026	0.303	1.80E-11	-0.007	0.016	0.656	0.012	45.157	TRUE	6.28E-11
COPD in ever smokers	GALNS	cg09807356	rs12934499	T	C	0.594	0.027	0.256	8.61E-111	-0.008	0.018	0.668	0.119	499.927	TRUE	1.47E-102
COPD in ever smokers	GALNS	cg09807356	rs141712769	C	T	0.412	0.063	0.040	5.97E-11	-0.038	0.041	0.363	0.011	42.808	TRUE	3.25E-10
COPD in ever smokers	GALNS	cg09807356	rs2306050	T	C	0.287	0.029	0.216	8.74E-23	-0.017	0.018	0.359	0.025	96.490	TRUE	2.32E-21
COPD in ever smokers	GALNS	cg09807356	rs4782335	T	C	0.170	0.028	0.237	1.24E-09	-0.005	0.018	0.777	0.010	36.891	TRUE	3.02E-09
COPD in ever smokers	GALNS	cg09807356	rs8049644	C	T	0.146	0.025	0.334	7.95E-09	-0.015	0.016	0.336	0.009	33.268	TRUE	3.44E-08
COPD in ever smokers	GALNS	cg09807356	rs8050636	T	C	-0.222	0.032	0.162	2.21E-12	0.027	0.020	0.181	0.013	49.264	TRUE	2.37E-11
COPD in ever smokers	GALNS	cg16582469	rs112256026	T	C	-0.288	0.052	0.055	3.90E-08	0.002	0.031	0.941	0.008	30.183	TRUE	6.80E-08
COPD in ever smokers	GALNS	cg16582469	rs11640595	T	C	0.873	0.062	0.042	3.10E-45	-0.041	0.041	0.324	0.051	199.104	TRUE	2.86E-42
COPD in ever smokers	GALNS	cg16582469	rs11641448	C	T	-0.199	0.027	0.266	1.09E-13	0.013	0.017	0.451	0.015	55.177	TRUE	7.02E-13
COPD in ever smokers	GALNS	cg16582469	rs118132614	C	T	0.693	0.056	0.046	2.43E-35	-0.016	0.033	0.618	0.040	153.823	TRUE	1.70E-33
COPD in ever smokers	GALNS	cg16582469	rs2306050	T	C	0.418	0.029	0.216	2.97E-47	-0.017	0.018	0.359	0.053	208.354	TRUE	3.28E-44
COPD in ever smokers	GALNS	cg16582469	rs258331	G	T	0.278	0.040	0.102	6.05E-12	-0.017	0.026	0.514	0.013	47.287	TRUE	2.81E-11
COPD in ever smokers	GALNS	cg16582469	rs2911451	A	G	0.264	0.033	0.401	5.43E-16	-0.025	0.016	0.114	0.017	65.598	TRUE	1.39E-14
COPD in ever smokers	GALNS	cg16582469	rs34278797	A	G	0.954	0.108	0.025	9.87E-19	-0.046	0.046	0.313	0.021	78.044	TRUE	1.73E-17

COPD in ever smokers	GALNS	cg16582469	rs4782335	T	C	0.312	0.028	0.237	3.79E-29	-0.005	0.018	0.777	0.033	125.517	TRUE	7.73E-28
COPD in ever smokers	GALNS	cg16582469	rs507540	A	G	-0.272	0.034	0.319	1.13E-15	0.004	0.016	0.815	0.017	64.163	TRUE	4.68E-15
COPD in ever smokers	GALNS	cg16582469	rs555812	G	T	-0.226	0.039	0.225	5.16E-09	0.010	0.019	0.589	0.009	34.109	TRUE	1.52E-08
COPD in ever smokers	GALNS	cg16582469	rs559187	T	C	-0.293	0.044	0.164	2.17E-11	-0.018	0.021	0.392	0.012	44.786	TRUE	1.18E-10
COPD in ever smokers	GALNS	cg16582469	rs62047770	A	C	-0.247	0.025	0.321	5.16E-23	0.008	0.016	0.597	0.026	97.534	TRUE	7.56E-22
COPD in ever smokers	GALNS	cg16582469	rs6500502	A	G	-0.258	0.023	0.488	5.06E-29	-0.002	0.015	0.885	0.033	124.943	TRUE	7.90E-28
COPD in ever smokers	GALNS	cg16582469	rs71395333	T	C	0.853	0.052	0.092	1.71E-59	0.040	0.025	0.105	0.067	264.457	TRUE	1.05E-54
COPD in ever smokers	GALNS	cg16582469	rs7198060	C	T	0.173	0.028	0.242	4.79E-10	-0.016	0.018	0.354	0.010	38.742	TRUE	2.36E-09
COPD in ever smokers	GALNS	cg16582469	rs725332	T	C	-0.234	0.039	0.099	1.30E-09	-0.026	0.024	0.282	0.010	36.787	TRUE	7.03E-09
COPD in ever smokers	GALNS	cg16582469	rs76098020	A	G	-0.332	0.053	0.055	4.79E-10	-0.034	0.032	0.282	0.010	38.741	TRUE	2.75E-09
COPD in ever smokers	GALNS	cg16582469	rs8049644	C	T	0.227	0.025	0.334	1.95E-19	-0.015	0.016	0.336	0.021	81.244	TRUE	3.52E-18
COPD in ever smokers	GALNS	cg16582469	rs8050636	T	C	-0.411	0.031	0.162	1.92E-39	0.027	0.020	0.181	0.045	172.585	TRUE	1.45E-36
COPD in ever smokers	GALNS	cg16582469	rs8191463	C	T	0.965	0.023	0.256	<1E-200	-0.021	0.018	0.241	0.319	1732.568	TRUE	<1E-200
COPD in ever smokers	GALNS	cg16688112	rs28656031	G	A	-0.161	0.025	0.345	1.61E-10	-0.018	0.016	0.255	0.011	40.873	TRUE	1.05E-09
COPD in ever smokers	GALNS	cg16688112	rs8059583	T	C	-0.669	0.085	0.027	3.26E-15	-0.021	0.053	0.686	0.017	62.070	TRUE	1.62E-14
COPD in ever smokers	GALNS	cg16802439	rs3889834	C	T	0.168	0.027	0.262	3.53E-10	-0.006	0.017	0.750	0.011	39.338	TRUE	9.41E-10
COPD in ever smokers	GALNS	cg20364025	rs12597726	A	G	0.150	0.026	0.307	6.70E-09	-0.007	0.016	0.646	0.009	33.603	TRUE	1.81E-08
COPD in ever smokers	GALNS	cg20364025	rs13337256	G	A	0.378	0.027	0.259	1.05E-44	-0.008	0.017	0.628	0.050	196.674	TRUE	2.84E-42
COPD in ever smokers	GALNS	cg20364025	rs140355859	T	C	0.335	0.055	0.051	8.41E-10	0.011	0.033	0.728	0.010	37.643	TRUE	2.23E-09
COPD in ever smokers	GALNS	cg20364025	rs2306050	T	C	0.184	0.029	0.216	3.34E-10	-0.017	0.018	0.359	0.011	39.443	TRUE	1.66E-09
COPD in ever smokers	GALNS	cg26817641	rs1141390	G	A	-0.925	0.021	0.329	<1E-200	-0.035	0.016	0.034	0.351	2002.328	TRUE	<1E-200
COPD in ever smokers	GALNS	cg26817641	rs11640595	T	C	-0.768	0.062	0.042	3.45E-35	-0.041	0.041	0.324	0.040	153.123	TRUE	6.33E-33
COPD in ever smokers	GALNS	cg26817641	rs11641448	C	T	0.150	0.027	0.266	2.26E-08	0.013	0.017	0.451	0.008	31.242	TRUE	7.58E-08
COPD in ever smokers	GALNS	cg26817641	rs116971855	G	T	0.430	0.074	0.023	5.41E-09	-0.059	0.047	0.204	0.009	34.018	TRUE	3.21E-08
COPD in ever smokers	GALNS	cg26817641	rs118132614	C	T	-0.600	0.056	0.046	8.69E-27	-0.016	0.033	0.618	0.030	114.742	TRUE	1.94E-25
COPD in ever smokers	GALNS	cg26817641	rs144243016	G	A	-0.800	0.054	0.051	9.05E-50	0.032	0.033	0.330	0.056	219.881	TRUE	1.76E-46
COPD in ever smokers	GALNS	cg26817641	rs2306050	T	C	-0.389	0.029	0.216	4.61E-41	-0.017	0.018	0.359	0.046	180.000	TRUE	1.84E-38
COPD in ever smokers	GALNS	cg26817641	rs258331	G	T	-0.227	0.040	0.102	1.91E-08	-0.017	0.026	0.514	0.008	31.569	TRUE	5.88E-08
COPD in ever smokers	GALNS	cg26817641	rs34060566	A	C	0.140	0.024	0.360	6.12E-09	0.006	0.017	0.737	0.009	33.777	TRUE	1.47E-08
COPD in ever smokers	GALNS	cg26817641	rs34278797	A	G	-0.884	0.108	0.025	2.91E-16	-0.046	0.046	0.313	0.018	66.830	TRUE	3.63E-15
COPD in ever smokers	GALNS	cg26817641	rs34387772	T	C	0.152	0.026	0.271	3.80E-09	-0.022	0.017	0.187	0.009	34.705	TRUE	2.43E-08
COPD in ever smokers	GALNS	cg26817641	rs4782509	T	C	0.186	0.024	0.379	1.20E-14	-0.010	0.015	0.537	0.016	59.497	TRUE	7.37E-14
COPD in ever smokers	GALNS	cg26817641	rs550269	T	C	0.362	0.044	0.163	1.12E-16	-0.011	0.021	0.596	0.018	68.708	TRUE	7.74E-16
COPD in ever smokers	GALNS	cg26817641	rs62047770	A	C	0.236	0.025	0.321	3.86E-21	0.008	0.016	0.597	0.023	88.997	TRUE	4.50E-20
COPD in ever smokers	GALNS	cg26817641	rs7188277	C	T	-0.193	0.031	0.181	3.78E-10	-0.028	0.020	0.157	0.010	39.201	TRUE	3.11E-09
COPD in ever smokers	GALNS	cg26817641	rs7499525	T	C	-0.296	0.028	0.239	1.41E-26	-0.007	0.018	0.669	0.030	113.783	TRUE	2.71E-25
COPD in ever smokers	GALNS	cg26817641	rs8048125	T	C	0.156	0.025	0.308	8.42E-10	-0.022	0.016	0.169	0.010	37.640	TRUE	6.29E-09
COPD in ever smokers	GALNS	cg26817641	rs8049644	C	T	-0.227	0.025	0.334	2.06E-19	-0.015	0.016	0.336	0.021	81.133	TRUE	3.71E-18
COPD in ever smokers	GALNS	cg26817641	rs8050636	T	C	0.385	0.031	0.162	1.26E-34	0.027	0.020	0.181	0.039	150.556	TRUE	4.26E-32
COPD in ever smokers	GALNS	cg26817641	rs897958	G	A	-0.502	0.041	0.287	7.36E-35	0.008	0.016	0.633	0.039	151.622	TRUE	4.63E-33
COPD in ever smokers	GATA2	cg00241663	rs2253720	T	C	-0.144	0.023	0.458	7.96E-10	0.002	0.015	0.885	0.010	37.750	TRUE	1.71E-09
COPD in ever smokers	GATA2	cg00241663	rs62270949	T	C	-0.383	0.062	0.036	9.03E-10	0.037	0.039	0.344	0.010	37.503	TRUE	4.37E-09

COPD in ever smokers	GATA2	cg03839949	rs12494136	C	T	-0.166	0.026	0.277	3.84E-10	0.031	0.016	0.056	0.010	39.172	TRUE	5.18E-09
COPD in ever smokers	GATA2	cg03839949	rs2713576	A	G	-0.170	0.024	0.422	9.43E-13	0.032	0.015	0.034	0.014	50.933	TRUE	2.63E-11
COPD in ever smokers	GATA2	cg03839949	rs73203424	T	C	-0.613	0.063	0.036	3.29E-22	0.036	0.039	0.353	0.025	93.869	TRUE	8.22E-21
COPD in ever smokers	GATA2	cg04535236	rs115516304	A	G	0.539	0.076	0.026	1.32E-12	-0.001	0.045	0.985	0.013	50.269	TRUE	3.15E-12
COPD in ever smokers	GATA2	cg04535236	rs11713343	A	G	0.246	0.042	0.187	5.82E-09	-0.007	0.019	0.727	0.009	33.876	TRUE	1.42E-08
COPD in ever smokers	GATA2	cg04535236	rs2659699	T	C	-0.342	0.024	0.383	7.10E-46	-0.021	0.015	0.177	0.052	202.038	TRUE	1.68E-42
COPD in ever smokers	GATA2	cg04535236	rs2811402	G	T	-0.149	0.024	0.459	2.83E-10	-0.020	0.015	0.175	0.011	39.767	TRUE	2.24E-09
COPD in ever smokers	GATA2	cg04535236	rs55683935	G	T	0.671	0.070	0.034	1.22E-21	-0.105	0.039	0.008	0.024	91.272	TRUE	4.07E-19
COPD in ever smokers	GATA2	cg04535236	rs55686439	A	C	0.748	0.029	0.202	6.30E-147	0.026	0.019	0.158	0.153	665.962	TRUE	1.55E-132
COPD in ever smokers	GATA2	cg04535236	rs56165381	G	A	-0.219	0.024	0.379	1.06E-19	-0.003	0.015	0.856	0.022	82.441	TRUE	6.22E-19
COPD in ever smokers	GATA2	cg04535236	rs6439140	T	C	0.240	0.025	0.316	3.15E-21	0.001	0.016	0.966	0.024	89.396	TRUE	1.74E-20
COPD in ever smokers	GATA2	cg04535236	rs72983369	A	G	0.465	0.082	0.023	1.49E-08	-0.028	0.050	0.577	0.009	32.048	TRUE	4.25E-08
COPD in ever smokers	GATA2	cg04535236	rs9819632	T	C	-0.239	0.042	0.082	1.20E-08	0.007	0.027	0.781	0.009	32.472	TRUE	2.65E-08
COPD in ever smokers	GATA2	cg04535236	rs9854897	C	A	-0.246	0.030	0.199	1.31E-16	-0.030	0.043	0.481	0.018	68.407	TRUE	1.13E-15
COPD in ever smokers	GATA2	cg06796779	rs7620408	T	C	-0.198	0.033	0.141	2.63E-09	0.007	0.021	0.732	0.009	35.425	TRUE	6.58E-09
COPD in ever smokers	GATA2	cg07195926	rs7629791	A	G	-0.130	0.023	0.474	2.08E-08	0.016	0.015	0.277	0.008	31.404	TRUE	9.53E-08
COPD in ever smokers	GATA2	cg07841173	rs2713594	A	G	-0.306	0.023	0.419	9.67E-39	0.010	0.015	0.510	0.044	169.376	TRUE	1.55E-36
COPD in ever smokers	GATA2	cg07841173	rs2713599	A	C	0.136	0.024	0.443	8.01E-09	-0.014	0.015	0.350	0.009	33.255	TRUE	3.38E-08
COPD in ever smokers	GATA2	cg07841173	rs72987210	T	C	-0.193	0.027	0.250	2.02E-12	0.031	0.017	0.071	0.013	49.438	TRUE	3.72E-11
COPD in ever smokers	GATA2	cg07841173	rs73203424	T	C	-1.101	0.062	0.036	1.19E-69	0.036	0.039	0.353	0.078	311.042	TRUE	8.62E-65
COPD in ever smokers	GATA2	cg07841173	rs73862214	G	T	0.490	0.084	0.023	4.96E-09	-0.017	0.050	0.733	0.009	34.185	TRUE	1.21E-08
COPD in ever smokers	GATA2	cg13483882	rs4857909	A	G	0.212	0.037	0.113	8.82E-09	0.025	0.023	0.269	0.009	33.068	TRUE	4.34E-08
COPD in ever smokers	GATA2	cg13483882	rs62270949	T	C	-0.406	0.063	0.036	1.01E-10	0.037	0.039	0.344	0.011	41.773	TRUE	5.57E-10
COPD in ever smokers	GATA2	cg13483882	rs7433900	A	G	0.226	0.030	0.194	2.79E-14	0.009	0.019	0.642	0.015	57.843	TRUE	1.35E-13
COPD in ever smokers	GATA2	cg13483882	rs7629791	A	G	-0.322	0.023	0.474	4.05E-43	0.016	0.015	0.277	0.049	189.416	TRUE	3.30E-40
COPD in ever smokers	GATA2	cg15038286	rs115516304	A	G	0.590	0.076	0.026	8.38E-15	-0.001	0.045	0.985	0.016	60.211	TRUE	2.42E-14
COPD in ever smokers	GATA2	cg15038286	rs2335660	T	G	0.298	0.025	0.337	2.09E-32	0.006	0.016	0.710	0.037	140.406	TRUE	7.64E-31
COPD in ever smokers	GATA2	cg15038286	rs2811366	G	T	0.130	0.024	0.442	4.21E-08	0.025	0.015	0.101	0.008	30.032	TRUE	3.03E-07
COPD in ever smokers	GATA2	cg15038286	rs3935016	T	C	0.260	0.025	0.318	7.77E-25	0.002	0.016	0.883	0.028	105.839	TRUE	7.50E-24
COPD in ever smokers	GATA2	cg15038286	rs55683935	G	T	0.585	0.070	0.034	9.37E-17	-0.105	0.039	0.008	0.018	69.060	TRUE	1.14E-14
COPD in ever smokers	GATA2	cg15038286	rs55686439	A	C	0.752	0.029	0.202	2.10E-148	0.026	0.019	0.158	0.154	672.748	TRUE	8.28E-134
COPD in ever smokers	GATA2	cg15038286	rs56165381	G	A	-0.228	0.024	0.379	3.48E-21	-0.003	0.015	0.856	0.024	89.200	TRUE	2.38E-20
COPD in ever smokers	GATA2	cg15038286	rs72983369	A	G	0.492	0.082	0.023	2.06E-09	-0.028	0.050	0.577	0.010	35.895	TRUE	6.47E-09
COPD in ever smokers	GATA2	cg15038286	rs7627162	A	G	-0.203	0.035	0.121	9.03E-09	0.025	0.023	0.264	0.009	33.022	TRUE	4.49E-08
COPD in ever smokers	GATA2	cg15038286	rs7629791	A	G	0.343	0.023	0.474	8.52E-49	0.016	0.015	0.277	0.055	215.418	TRUE	1.84E-45
COPD in ever smokers	GATA2	cg15038286	rs9854897	C	A	-0.223	0.030	0.199	5.58E-14	-0.030	0.043	0.481	0.015	56.484	TRUE	3.51E-13
COPD in ever smokers	GATA2	cg19638477	rs7629791	A	G	-0.143	0.024	0.474	1.38E-09	0.016	0.015	0.277	0.010	36.681	TRUE	7.49E-09
COPD in ever smokers	GATA2	cg22801992	rs2713576	A	G	-0.228	0.024	0.422	6.44E-22	0.032	0.015	0.034	0.024	92.540	TRUE	9.81E-20
COPD in ever smokers	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	0.040	0.027	0.147	0.008	30.032	TRUE	2.55E-07
COPD in ever smokers	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	0.032	0.017	0.061	0.009	32.422	TRUE	1.21E-07
COPD in ever smokers	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	0.069	0.044	0.111	0.011	42.684	TRUE	7.15E-10
COPD in ever smokers	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	-0.032	0.015	0.034	0.013	48.719	TRUE	7.41E-11

COPD in ever smokers	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	0.052	0.026	0.043	0.073	291.545	TRUE	1.32E-59
COPD in ever smokers	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	0.033	0.015	0.029	0.008	30.384	TRUE	4.13E-07
COPD in ever smokers	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	0.022	0.023	0.327	0.009	35.350	TRUE	1.28E-08
COPD in ever smokers	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	0.010	0.019	0.611	0.012	46.222	TRUE	4.01E-11
COPD in ever smokers	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	0.026	0.016	0.100	0.020	73.634	TRUE	3.42E-16
COPD in ever smokers	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	0.021	0.019	0.255	0.021	81.272	TRUE	4.50E-18
COPD in ever smokers	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	-0.002	0.017	0.906	0.024	92.119	TRUE	5.28E-21
COPD in ever smokers	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	0.019	0.015	0.217	0.017	64.427	TRUE	1.54E-14
COPD in ever smokers	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	0.000	0.016	0.983	0.013	49.592	TRUE	4.41E-12
COPD in ever smokers	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	0.014	0.026	0.579	0.010	35.790	TRUE	6.80E-09
COPD in ever smokers	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	0.000	0.022	0.986	0.019	71.662	TRUE	9.10E-17
COPD in ever smokers	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	-0.035	0.018	0.055	0.011	40.186	TRUE	3.26E-09
COPD in ever smokers	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	-0.028	0.016	0.073	0.093	378.746	TRUE	5.22E-77
COPD in ever smokers	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	0.032	0.017	0.061	0.016	60.757	TRUE	1.98E-13
COPD in ever smokers	GATA4	cg12395012	rs11782805	T	C	-0.358	0.058	0.058	8.67E-10	0.039	0.034	0.258	0.010	37.584	TRUE	5.06E-09
COPD in ever smokers	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	-0.035	0.015	0.019	0.030	115.655	TRUE	3.13E-24
COPD in ever smokers	GATA4	cg12395012	rs12547653	A	C	0.254	0.028	0.266	1.54E-19	-0.017	0.032	0.602	0.022	81.705	TRUE	1.47E-18
COPD in ever smokers	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	-0.019	0.018	0.311	0.037	144.038	TRUE	4.78E-31
COPD in ever smokers	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	0.006	0.020	0.762	0.060	236.695	TRUE	1.35E-50
COPD in ever smokers	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	-0.016	0.018	0.357	0.036	139.849	TRUE	2.88E-30
COPD in ever smokers	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	-0.012	0.016	0.482	0.034	129.571	TRUE	2.45E-28
COPD in ever smokers	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	-0.006	0.015	0.687	0.012	45.010	TRUE	6.43E-11
COPD in ever smokers	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.010	0.020	0.629	0.022	82.740	TRUE	8.46E-19
COPD in ever smokers	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	0.006	0.016	0.685	0.023	88.204	TRUE	5.45E-20
COPD in ever smokers	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	-0.014	0.015	0.354	0.378	2251.154	TRUE	<1E-200
COPD in ever smokers	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	-0.004	0.049	0.931	0.008	30.198	TRUE	6.82E-08
COPD in ever smokers	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	0.010	0.025	0.694	0.016	58.439	TRUE	9.26E-14
COPD in ever smokers	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	0.001	0.015	0.953	0.020	74.471	TRUE	2.46E-17
COPD in ever smokers	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.008	0.023	0.729	0.011	39.772	TRUE	7.82E-10
COPD in ever smokers	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	0.035	0.019	0.061	0.026	99.007	TRUE	3.28E-21
COPD in ever smokers	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	-0.034	0.030	0.261	0.018	66.474	TRUE	5.02E-15
COPD in ever smokers	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	-0.010	0.031	0.755	0.014	50.905	TRUE	3.27E-12
COPD in ever smokers	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.004	0.024	0.882	0.015	57.079	TRUE	1.32E-13
COPD in ever smokers	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	-0.034	0.040	0.398	0.011	40.146	TRUE	1.10E-09
COPD in ever smokers	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	0.024	0.020	0.251	0.018	69.634	TRUE	1.15E-15
COPD in ever smokers	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	-0.014	0.015	0.350	0.013	48.249	TRUE	2.43E-11
COPD in ever smokers	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	0.021	0.019	0.255	0.037	142.044	TRUE	1.55E-30
COPD in ever smokers	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	-0.042	0.020	0.037	0.039	152.064	TRUE	9.16E-32
COPD in ever smokers	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	-0.019	0.018	0.293	0.009	32.887	TRUE	4.51E-08
COPD in ever smokers	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	-0.064	0.029	0.030	0.008	30.231	TRUE	4.41E-07
COPD in ever smokers	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.008	0.017	0.657	0.055	213.953	TRUE	7.86E-46
COPD in ever smokers	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	-0.047	0.020	0.017	0.010	38.537	TRUE	1.12E-08

COPD in ever smokers	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	0.008	0.015	0.594	0.013	48.501	TRUE	1.36E-11
COPD in ever smokers	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	-0.017	0.016	0.285	0.037	141.186	TRUE	2.04E-30
COPD in ever smokers	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	-0.026	0.015	0.081	0.017	64.131	TRUE	3.42E-14
COPD in ever smokers	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	0.017	0.036	0.640	0.009	34.801	TRUE	1.01E-08
COPD in ever smokers	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	0.008	0.032	0.801	0.009	32.326	TRUE	2.78E-08
COPD in ever smokers	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	0.025	0.034	0.470	0.008	29.788	TRUE	1.50E-07
COPD in ever smokers	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	-0.033	0.020	0.091	0.012	45.412	TRUE	2.18E-10
COPD in ever smokers	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	-0.007	0.033	0.833	0.023	86.920	TRUE	7.49E-20
COPD in ever smokers	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	0.014	0.016	0.378	0.011	42.187	TRUE	4.26E-10
COPD in ever smokers	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	-0.009	0.019	0.648	0.013	49.055	TRUE	9.53E-12
COPD in ever smokers	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	-0.001	0.022	0.964	0.023	85.330	TRUE	1.25E-19
COPD in ever smokers	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	-0.016	0.016	0.313	0.013	48.665	TRUE	2.17E-11
COPD in ever smokers	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.020	0.024	0.406	0.010	35.815	TRUE	8.84E-09
COPD in ever smokers	GATA4	cg13293535	rs17808884	C	A	-0.184	0.032	0.182	1.11E-08	0.033	0.019	0.087	0.009	32.618	TRUE	9.46E-08
COPD in ever smokers	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	-0.020	0.015	0.197	0.012	45.548	TRUE	1.32E-10
COPD in ever smokers	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	-0.036	0.019	0.056	0.009	34.592	TRUE	4.50E-08
COPD in ever smokers	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	0.005	0.016	0.754	0.014	52.700	TRUE	1.36E-12
COPD in ever smokers	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	0.022	0.017	0.186	0.011	41.898	TRUE	7.80E-10
COPD in ever smokers	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	0.014	0.016	0.364	0.013	50.455	TRUE	8.18E-12
COPD in ever smokers	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	-0.016	0.027	0.561	0.009	32.861	TRUE	2.92E-08
COPD in ever smokers	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	0.019	0.015	0.217	0.100	412.571	TRUE	2.22E-84
COPD in ever smokers	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	0.000	0.016	0.983	0.017	62.753	TRUE	7.02E-15
COPD in ever smokers	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	-0.032	0.017	0.060	0.009	34.832	TRUE	3.90E-08
COPD in ever smokers	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	0.032	0.028	0.245	0.023	85.529	TRUE	6.19E-19
COPD in ever smokers	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	-0.017	0.016	0.285	0.008	31.710	TRUE	8.09E-08
COPD in ever smokers	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	0.037	0.029	0.202	0.017	62.917	TRUE	3.33E-14
COPD in ever smokers	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	-0.013	0.017	0.437	0.019	70.206	TRUE	5.28E-16
COPD in ever smokers	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	0.024	0.022	0.266	0.010	36.804	TRUE	7.24E-09
COPD in ever smokers	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	0.016	0.015	0.302	0.136	581.132	TRUE	3.57E-117
COPD in ever smokers	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	0.022	0.017	0.205	0.029	109.872	TRUE	7.37E-24
COPD in ever smokers	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	0.032	0.017	0.061	0.010	37.048	TRUE	1.37E-08
COPD in ever smokers	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	0.002	0.016	0.883	0.020	73.921	TRUE	3.65E-17
COPD in ever smokers	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	-0.029	0.017	0.078	0.015	57.528	TRUE	7.85E-13
COPD in ever smokers	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	0.029	0.015	0.049	0.010	37.183	TRUE	1.40E-08
COPD in ever smokers	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	-0.008	0.018	0.659	0.019	70.635	TRUE	2.71E-16
COPD in ever smokers	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	-0.013	0.020	0.501	0.011	40.029	TRUE	9.72E-10
COPD in ever smokers	GATA4	cg16810626	rs17808884	C	A	0.247	0.032	0.182	1.51E-14	0.033	0.019	0.087	0.016	59.058	TRUE	3.57E-13
COPD in ever smokers	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	-0.006	0.020	0.747	0.008	29.970	TRUE	9.50E-08
COPD in ever smokers	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	-0.009	0.016	0.567	0.013	50.398	TRUE	5.68E-12
COPD in ever smokers	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	0.019	0.018	0.284	0.016	60.009	TRUE	1.03E-13
COPD in ever smokers	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	0.022	0.017	0.186	0.010	36.247	TRUE	1.16E-08
COPD in ever smokers	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	-0.032	0.018	0.067	0.012	44.473	TRUE	3.97E-10

COPD in ever smokers	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	0.000	0.015	0.996	0.013	46.883	TRUE	1.64E-11
COPD in ever smokers	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	-0.027	0.016	0.094	0.018	68.221	TRUE	4.57E-15
COPD in ever smokers	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	-0.003	0.018	0.877	0.015	57.157	TRUE	1.28E-13
COPD in ever smokers	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	0.040	0.027	0.147	0.009	33.368	TRUE	5.19E-08
COPD in ever smokers	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	0.000	0.022	0.986	0.033	127.799	TRUE	1.59E-28
COPD in ever smokers	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	-0.021	0.015	0.181	0.016	58.439	TRUE	3.02E-13
COPD in ever smokers	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	0.048	0.025	0.059	0.017	63.574	TRUE	5.37E-14
COPD in ever smokers	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	0.034	0.015	0.027	0.010	38.738	TRUE	8.60E-09
COPD in ever smokers	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	0.053	0.026	0.041	0.025	93.890	TRUE	4.62E-20
COPD in ever smokers	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	-0.024	0.047	0.603	0.008	31.014	TRUE	6.82E-08
COPD in ever smokers	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	0.069	0.023	0.003	0.015	56.164	TRUE	6.20E-12
COPD in ever smokers	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	-0.064	0.029	0.030	0.012	43.321	TRUE	9.69E-10
COPD in ever smokers	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	0.020	0.015	0.183	0.009	34.839	TRUE	2.30E-08
COPD in ever smokers	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	0.003	0.026	0.905	0.023	85.679	TRUE	1.18E-19
COPD in ever smokers	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	-0.019	0.018	0.302	0.008	29.771	TRUE	2.00E-07
COPD in ever smokers	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	-0.005	0.019	0.783	0.011	40.308	TRUE	5.58E-10
COPD in ever smokers	GATA4	cg23916205	rs73209087	A	C	0.319	0.054	0.056	2.83E-09	-0.017	0.031	0.585	0.009	35.281	TRUE	8.65E-09
COPD in ever smokers	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	-0.026	0.016	0.109	0.009	33.868	TRUE	4.73E-08
COPD in ever smokers	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.008	0.017	0.657	0.020	75.680	TRUE	2.38E-17
COPD in ever smokers	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	-0.016	0.015	0.289	0.118	496.104	TRUE	7.74E-101
COPD in ever smokers	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	0.005	0.020	0.816	0.013	48.672	TRUE	8.85E-12
COPD in ever smokers	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	0.024	0.016	0.128	0.014	51.402	TRUE	1.06E-11
COPD in ever smokers	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	0.011	0.015	0.469	0.034	131.293	TRUE	1.13E-28
COPD in ever smokers	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	-0.004	0.018	0.813	0.010	37.232	TRUE	2.43E-09
COPD in ever smokers	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	-0.021	0.017	0.196	0.012	45.839	TRUE	1.15E-10
COPD in ever smokers	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	-0.020	0.018	0.259	0.009	32.265	TRUE	6.53E-08
COPD in ever smokers	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	-0.007	0.015	0.647	0.014	51.868	TRUE	2.43E-12
COPD in ever smokers	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	0.034	0.016	0.036	0.014	52.429	TRUE	1.27E-11
COPD in ever smokers	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	0.007	0.016	0.665	0.011	39.564	TRUE	9.50E-10
COPD in ever smokers	GATA4	cg23972785	rs62492465	T	G	-0.277	0.040	0.321	6.84E-12	0.004	0.017	0.833	0.013	47.046	TRUE	1.91E-11
COPD in ever smokers	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	-0.014	0.019	0.443	0.013	49.878	TRUE	9.17E-12
COPD in ever smokers	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	0.010	0.019	0.611	0.021	80.057	TRUE	3.19E-18
COPD in ever smokers	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	0.026	0.016	0.100	0.021	77.680	TRUE	5.09E-17
COPD in ever smokers	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	0.021	0.019	0.255	0.023	87.101	TRUE	2.83E-19
COPD in ever smokers	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	-0.029	0.015	0.058	0.010	35.513	TRUE	2.87E-08
COPD in ever smokers	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	-0.002	0.017	0.906	0.035	134.159	TRUE	9.19E-30
COPD in ever smokers	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	0.008	0.017	0.633	0.029	109.329	TRUE	2.48E-24
COPD in ever smokers	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	-0.020	0.016	0.207	0.009	34.283	TRUE	2.81E-08
COPD in ever smokers	GHITM	cg18887562	rs11200822	C	T	0.351	0.050	0.063	1.87E-12	-0.002	0.031	0.941	0.013	49.584	TRUE	4.71E-12
COPD in ever smokers	GHITM	cg18887562	rs12257999	C	A	0.764	0.058	0.045	3.35E-40	0.021	0.037	0.560	0.045	176.061	TRUE	5.67E-38
COPD in ever smokers	GHITM	cg19704238	rs7076128	G	A	0.353	0.059	0.045	2.01E-09	0.017	0.036	0.647	0.010	35.946	TRUE	5.72E-09
COPD in ever smokers	GHITM	cg19704238	rs7085968	A	G	-0.205	0.026	0.297	6.41E-15	0.022	0.016	0.161	0.016	60.739	TRUE	1.10E-13

COPD in ever smokers	GHITM	cg23027704	rs10736315	A	G	0.237	0.026	0.287	1.73E-20	0.012	0.016	0.471	0.023	86.026	TRUE	2.51E-19
COPD in ever smokers	GHITM	cg23027704	rs12415362	C	T	-0.452	0.024	0.360	2.75E-81	-0.045	0.016	0.004	0.090	364.440	TRUE	8.78E-73
COPD in ever smokers	GHITM	cg23027704	rs2350147	T	C	-0.142	0.025	0.331	1.05E-08	-0.004	0.016	0.786	0.009	32.728	TRUE	2.32E-08
COPD in ever smokers	GHITM	cg23027704	rs4933974	A	G	0.152	0.027	0.256	1.16E-08	0.032	0.017	0.068	0.009	32.542	TRUE	1.09E-07
COPD in ever smokers	GHITM	cg23027704	rs6585779	A	G	0.176	0.031	0.171	1.73E-08	0.005	0.020	0.799	0.009	31.765	TRUE	3.67E-08
COPD in ever smokers	GHITM	cg23027704	rs66846769	A	G	-0.306	0.047	0.131	1.16E-10	-0.037	0.021	0.084	0.011	41.512	TRUE	1.43E-09
COPD in ever smokers	GHITM	cg23027704	rs7096124	C	T	0.194	0.035	0.137	2.14E-08	0.031	0.022	0.157	0.008	31.348	TRUE	1.32E-07
COPD in ever smokers	GHITM	cg23027704	rs80126868	T	G	0.265	0.043	0.164	6.96E-10	-0.001	0.019	0.970	0.010	38.011	TRUE	1.35E-09
COPD in ever smokers	GHITM	cg25186695	rs12263387	A	G	-0.408	0.060	0.041	1.36E-11	0.024	0.037	0.512	0.012	45.694	TRUE	6.11E-11
COPD in ever smokers	GHITM	cg25783892	rs10788325	C	T	-0.212	0.025	0.361	6.89E-18	-0.045	0.016	0.004	0.020	74.207	TRUE	1.44E-15
COPD in ever smokers	GNS	cg18624581	rs17764405	T	C	-0.461	0.069	0.074	2.07E-11	-0.023	0.027	0.396	0.012	44.880	TRUE	1.12E-10
COPD in ever smokers	GNS	cg27476482	rs2620719	G	A	0.189	0.024	0.407	9.36E-16	-0.032	0.015	0.033	0.017	64.526	TRUE	4.66E-14
COPD in ever smokers	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	-0.022	0.016	0.152	0.022	83.004	TRUE	3.06E-18
COPD in ever smokers	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	0.015	0.067	0.823	0.020	74.243	TRUE	3.48E-17
COPD in ever smokers	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	0.042	0.058	0.472	0.016	59.557	TRUE	8.15E-14
COPD in ever smokers	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	0.035	0.017	0.035	0.012	45.037	TRUE	4.09E-10
COPD in ever smokers	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	-0.008	0.018	0.660	0.038	145.486	TRUE	7.84E-32
COPD in ever smokers	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	-0.013	0.018	0.457	0.008	30.518	TRUE	1.07E-07
COPD in ever smokers	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	-0.008	0.034	0.803	0.042	163.312	TRUE	1.14E-35
COPD in ever smokers	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	0.018	0.015	0.236	0.020	75.784	TRUE	6.51E-17
COPD in ever smokers	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	0.026	0.015	0.080	0.014	52.136	TRUE	9.79E-12
COPD in ever smokers	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.006	0.027	0.825	0.010	38.182	TRUE	1.50E-09
COPD in ever smokers	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	0.026	0.015	0.080	0.031	118.611	TRUE	2.81E-25
COPD in ever smokers	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	-0.041	0.022	0.059	0.024	91.445	TRUE	1.14E-19
COPD in ever smokers	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.092	0.043	0.031	0.010	36.121	TRUE	2.76E-08
COPD in ever smokers	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	-0.018	0.021	0.406	0.023	88.537	TRUE	8.96E-20
COPD in ever smokers	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	-0.037	0.015	0.013	0.011	41.141	TRUE	3.69E-09
COPD in ever smokers	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	0.006	0.017	0.734	0.041	159.157	TRUE	9.88E-35
COPD in ever smokers	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	0.037	0.015	0.014	0.044	170.791	TRUE	3.50E-35
COPD in ever smokers	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	-0.031	0.015	0.036	0.320	1739.419	TRUE	<1E-200
COPD in ever smokers	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	-0.040	0.027	0.143	0.017	62.193	TRUE	5.97E-14
COPD in ever smokers	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	0.000	0.037	0.995	0.013	50.514	TRUE	2.75E-12
COPD in ever smokers	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.010	0.025	0.695	0.033	127.851	TRUE	3.12E-28
COPD in ever smokers	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	0.014	0.052	0.787	0.008	29.958	TRUE	9.11E-08
COPD in ever smokers	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	-0.041	0.022	0.059	0.022	84.446	TRUE	3.02E-18
COPD in ever smokers	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.092	0.043	0.031	0.011	40.041	TRUE	4.42E-09
COPD in ever smokers	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	-0.018	0.021	0.406	0.020	76.836	TRUE	2.39E-17
COPD in ever smokers	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	0.006	0.017	0.734	0.047	181.852	TRUE	2.18E-39
COPD in ever smokers	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	0.037	0.015	0.014	0.055	213.970	TRUE	8.97E-44
COPD in ever smokers	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	-0.031	0.015	0.036	0.282	1451.768	TRUE	4.71E-270
COPD in ever smokers	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.016	0.019	0.414	0.032	124.005	TRUE	4.20E-27
COPD in ever smokers	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	-0.040	0.027	0.143	0.014	52.543	TRUE	5.78E-12

COPD in ever smokers	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	0.000	0.037	0.995	0.015	56.822	TRUE	1.25E-13
COPD in ever smokers	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	-0.005	0.048	0.912	0.008	30.737	TRUE	5.34E-08
COPD in ever smokers	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.026	0.037	0.484	0.014	52.132	TRUE	2.85E-12
COPD in ever smokers	GSDMC	cg05316065	rs57586672	T	C	-0.159	0.029	0.202	4.94E-08	-0.015	0.019	0.430	0.008	29.724	TRUE	1.64E-07
COPD in ever smokers	GSDMC	cg23990303	rs188594555	G	A	0.215	0.034	0.140	2.73E-10	0.019	0.023	0.409	0.011	39.835	TRUE	1.25E-09
COPD in ever smokers	GSDMC	cg23990303	rs7004355	C	T	0.273	0.023	0.471	6.64E-32	0.013	0.015	0.365	0.036	138.110	TRUE	6.34E-30
COPD in ever smokers	GSDMC	cg26073844	rs4260864	G	A	-0.182	0.024	0.451	1.42E-14	-0.033	0.015	0.025	0.016	59.177	TRUE	6.54E-13
COPD in ever smokers	HGF	cg18944653	rs17155457	G	A	0.574	0.091	0.036	2.69E-10	-0.018	0.042	0.663	0.011	39.869	TRUE	8.20E-10
COPD in ever smokers	HGF	cg18944653	rs7810969	T	C	0.343	0.026	0.251	1.38E-39	-0.017	0.017	0.333	0.045	173.241	TRUE	4.88E-37
COPD in ever smokers	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	0.004	0.016	0.790	0.015	57.336	TRUE	1.35E-13
COPD in ever smokers	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	-0.003	0.015	0.869	0.011	40.958	TRUE	3.60E-10
COPD in ever smokers	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	-0.010	0.018	0.583	0.013	49.309	TRUE	9.38E-12
COPD in ever smokers	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	-0.007	0.015	0.622	0.065	258.356	TRUE	9.22E-55
COPD in ever smokers	IDUA	cg01572696	rs113130883	T	C	-0.155	0.028	0.228	4.00E-08	0.012	0.018	0.508	0.008	30.132	TRUE	1.20E-07
COPD in ever smokers	IDUA	cg01572696	rs114358991	A	G	0.424	0.055	0.053	1.63E-14	-0.055	0.037	0.132	0.016	58.897	TRUE	2.99E-13
COPD in ever smokers	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	0.028	0.024	0.237	0.022	81.973	TRUE	3.44E-18
COPD in ever smokers	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	0.025	0.022	0.249	0.012	46.127	TRUE	8.61E-11
COPD in ever smokers	IDUA	cg01572696	rs191917382	A	C	-0.673	0.109	0.027	6.42E-10	0.109	0.060	0.067	0.010	38.170	TRUE	7.70E-09
COPD in ever smokers	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	-0.030	0.015	0.044	0.012	45.664	TRUE	2.74E-10
COPD in ever smokers	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	0.023	0.018	0.201	0.015	54.952	TRUE	1.48E-12
COPD in ever smokers	IDUA	cg01572696	rs4533712	G	A	0.463	0.054	0.049	7.04E-18	0.005	0.035	0.877	0.020	74.165	TRUE	3.28E-17
COPD in ever smokers	IDUA	cg01572696	rs4647932	T	C	-0.822	0.049	0.065	1.55E-62	0.035	0.030	0.255	0.070	278.407	TRUE	4.87E-58
COPD in ever smokers	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	0.013	0.015	0.384	0.049	189.624	TRUE	1.85E-40
COPD in ever smokers	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	-0.012	0.016	0.454	0.017	62.147	TRUE	2.43E-14
COPD in ever smokers	IDUA	cg01572696	rs6826191	G	A	-0.155	0.024	0.353	1.75E-10	0.010	0.016	0.506	0.011	40.709	TRUE	6.93E-10
COPD in ever smokers	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	-0.045	0.033	0.175	0.022	84.609	TRUE	1.28E-18
COPD in ever smokers	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	-0.007	0.015	0.622	0.017	62.567	TRUE	1.43E-14
COPD in ever smokers	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	0.038	0.033	0.249	0.021	79.226	TRUE	1.21E-17
COPD in ever smokers	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	0.013	0.015	0.384	0.016	60.197	TRUE	7.27E-14
COPD in ever smokers	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	-0.045	0.033	0.175	0.009	35.354	TRUE	1.84E-08
COPD in ever smokers	IDUA	cg03889767	rs1078138	T	C	-0.287	0.030	0.193	4.00E-22	0.025	0.019	0.190	0.025	93.479	TRUE	1.81E-20
COPD in ever smokers	IDUA	cg03889767	rs11946340	T	C	0.261	0.036	0.401	4.20E-13	0.019	0.016	0.233	0.014	52.517	TRUE	4.26E-12
COPD in ever smokers	IDUA	cg03889767	rs151010222	T	C	-0.996	0.095	0.015	1.31E-25	0.197	0.058	6.88E-04	0.029	109.372	TRUE	3.21E-22
COPD in ever smokers	IDUA	cg03889767	rs188911015	A	G	-0.998	0.068	0.030	2.94E-48	0.060	0.043	0.161	0.054	212.955	TRUE	1.21E-44
COPD in ever smokers	IDUA	cg03889767	rs3806760	A	G	-0.288	0.025	0.327	8.18E-31	0.010	0.016	0.523	0.035	133.126	TRUE	4.03E-29
COPD in ever smokers	IDUA	cg03889767	rs56968267	G	A	0.183	0.024	0.461	1.45E-14	0.005	0.015	0.760	0.016	59.128	TRUE	5.93E-14
COPD in ever smokers	IDUA	cg03889767	rs6848199	T	C	-0.291	0.024	0.363	5.23E-34	0.024	0.015	0.110	0.038	147.726	TRUE	2.67E-31
COPD in ever smokers	IDUA	cg03889767	rs75675915	G	T	-0.458	0.072	0.030	2.39E-10	-0.026	0.045	0.569	0.011	40.094	TRUE	8.45E-10
COPD in ever smokers	IDUA	cg03889767	rs77186370	A	C	-1.039	0.117	0.016	5.29E-19	0.036	0.053	0.501	0.021	79.276	TRUE	5.91E-18
COPD in ever smokers	IDUA	cg03889767	rs78564282	A	C	-0.593	0.057	0.042	8.72E-26	-0.017	0.036	0.645	0.029	110.172	TRUE	1.61E-24
COPD in ever smokers	IDUA	cg03889767	rs80269477	T	G	-1.201	0.082	0.043	9.84E-49	-0.003	0.035	0.923	0.055	215.131	TRUE	1.97E-46
COPD in ever smokers	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	-0.035	0.018	0.056	0.010	38.835	TRUE	6.08E-09

COPD in ever smokers	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	-0.139	0.055	0.011	0.020	76.262	TRUE	3.54E-16
COPD in ever smokers	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	-0.035	0.018	0.056	0.011	40.004	TRUE	3.51E-09
COPD in ever smokers	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	0.004	0.016	0.790	0.013	48.909	TRUE	8.19E-12
COPD in ever smokers	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	-0.007	0.016	0.689	0.010	35.619	TRUE	6.34E-09
COPD in ever smokers	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	0.004	0.016	0.790	0.011	41.490	TRUE	3.09E-10
COPD in ever smokers	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	-0.014	0.016	0.385	0.009	32.544	TRUE	4.48E-08
COPD in ever smokers	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	-0.003	0.015	0.869	0.020	77.335	TRUE	7.17E-18
COPD in ever smokers	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	-0.007	0.015	0.639	0.010	36.272	TRUE	4.93E-09
COPD in ever smokers	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	-0.016	0.015	0.291	0.050	193.196	TRUE	5.27E-41
COPD in ever smokers	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	-0.045	0.033	0.175	0.010	39.051	TRUE	3.15E-09
COPD in ever smokers	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	0.052	0.023	0.026	0.008	29.766	TRUE	5.71E-07
COPD in ever smokers	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	-0.031	0.015	0.044	0.010	36.545	TRUE	1.98E-08
COPD in ever smokers	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	0.031	0.021	0.143	0.048	184.678	TRUE	6.90E-39
COPD in ever smokers	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	-0.010	0.018	0.583	0.027	102.180	TRUE	8.49E-23
COPD in ever smokers	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	-0.018	0.034	0.586	0.009	32.063	TRUE	4.17E-08
COPD in ever smokers	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	-0.073	0.054	0.178	0.013	50.559	TRUE	1.29E-11
COPD in ever smokers	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	-0.014	0.017	0.428	0.019	69.755	TRUE	6.70E-16
COPD in ever smokers	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	-0.010	0.016	0.531	0.010	36.376	TRUE	5.48E-09
COPD in ever smokers	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	-0.011	0.015	0.471	0.011	41.224	TRUE	5.72E-10
COPD in ever smokers	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	0.004	0.020	0.830	0.046	179.864	TRUE	4.23E-39
COPD in ever smokers	IDUA	cg15138543	rs117560503	A	G	0.543	0.088	0.020	8.39E-10	-0.048	0.055	0.386	0.010	37.647	TRUE	3.77E-09
COPD in ever smokers	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	0.019	0.016	0.233	0.012	44.025	TRUE	2.46E-10
COPD in ever smokers	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	-0.016	0.029	0.586	0.010	36.653	TRUE	4.42E-09
COPD in ever smokers	IDUA	cg15138543	rs138298498	A	G	0.592	0.059	0.040	7.43E-24	-0.118	0.037	0.001	0.027	101.367	TRUE	8.78E-21
COPD in ever smokers	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	-0.056	0.036	0.124	0.032	123.516	TRUE	1.95E-26
COPD in ever smokers	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	-0.023	0.016	0.152	0.403	2493.113	TRUE	<1E-200
COPD in ever smokers	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	0.046	0.023	0.048	0.023	88.732	TRUE	4.69E-19
COPD in ever smokers	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	-0.006	0.015	0.711	0.025	93.491	TRUE	4.07E-21
COPD in ever smokers	IDUA	cg15138543	rs3822028	C	T	-0.270	0.035	0.125	2.66E-14	0.024	0.023	0.285	0.015	57.943	TRUE	2.74E-13
COPD in ever smokers	IDUA	cg15138543	rs4647931	T	G	-0.459	0.084	0.017	4.02E-08	0.034	0.047	0.475	0.008	30.124	TRUE	1.26E-07
COPD in ever smokers	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	-0.019	0.015	0.219	0.044	168.413	TRUE	8.11E-36
COPD in ever smokers	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	0.024	0.019	0.215	0.030	113.010	TRUE	1.60E-24
COPD in ever smokers	IDUA	cg15138543	rs57186616	A	G	-0.272	0.032	0.155	4.86E-17	-0.016	0.020	0.430	0.019	70.353	TRUE	5.01E-16
COPD in ever smokers	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	-0.004	0.019	0.837	0.044	170.556	TRUE	3.38E-37
COPD in ever smokers	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	0.027	0.021	0.190	0.009	34.920	TRUE	2.17E-08
COPD in ever smokers	IDUA	cg15138543	rs6599389	A	G	0.696	0.044	0.080	1.14E-57	-0.002	0.029	0.957	0.065	256.094	TRUE	8.39E-55
COPD in ever smokers	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	-0.049	0.032	0.120	0.038	146.399	TRUE	4.54E-31
COPD in ever smokers	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	-0.060	0.022	0.006	0.012	45.151	TRUE	7.83E-10
COPD in ever smokers	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	0.034	0.018	0.061	0.033	125.887	TRUE	1.17E-26
COPD in ever smokers	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	0.025	0.027	0.361	0.023	86.012	TRUE	3.38E-19
COPD in ever smokers	IDUA	cg15138543	rs900030	C	T	0.335	0.043	0.084	1.08E-14	-0.071	0.029	0.014	0.016	59.714	TRUE	6.56E-13
COPD in ever smokers	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	-0.094	0.058	0.106	0.063	248.815	TRUE	1.36E-51

COPD in ever smokers	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	-0.014	0.017	0.428	0.018	69.409	TRUE	7.91E-16
COPD in ever smokers	IDUA	cg21616051	rs138298498	A	G	-1.430	0.057	0.040	1.73E-140	-0.118	0.037	0.001	0.147	636.375	TRUE	6.45E-124
COPD in ever smokers	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	0.000	0.026	0.990	0.053	205.066	TRUE	1.84E-44
COPD in ever smokers	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	0.004	0.020	0.832	0.022	84.731	TRUE	2.15E-19
COPD in ever smokers	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	0.046	0.023	0.048	0.014	51.718	TRUE	1.55E-11
COPD in ever smokers	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	-0.027	0.016	0.084	0.187	851.571	TRUE	3.27E-166
COPD in ever smokers	IDUA	cg21616051	rs3822022	G	A	-0.231	0.025	0.314	6.15E-20	-0.005	0.016	0.760	0.022	83.524	TRUE	4.44E-19
COPD in ever smokers	IDUA	cg21616051	rs3822028	C	T	0.219	0.036	0.125	7.05E-10	0.024	0.023	0.285	0.010	37.987	TRUE	3.92E-09
COPD in ever smokers	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	-0.019	0.015	0.219	0.026	100.280	TRUE	6.39E-22
COPD in ever smokers	IDUA	cg21616051	rs582202	A	G	-0.308	0.037	0.117	5.80E-17	-0.016	0.024	0.501	0.019	70.006	TRUE	5.04E-16
COPD in ever smokers	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	-0.004	0.019	0.837	0.018	67.861	TRUE	7.50E-16
COPD in ever smokers	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	-0.013	0.026	0.630	0.010	37.160	TRUE	3.23E-09
COPD in ever smokers	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	-0.064	0.031	0.041	0.014	54.084	TRUE	5.50E-12
COPD in ever smokers	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	0.025	0.027	0.361	0.009	35.104	TRUE	1.35E-08
COPD in ever smokers	IDUA	cg21616051	rs900030	C	T	-0.423	0.043	0.084	1.24E-22	-0.071	0.029	0.014	0.025	95.793	TRUE	3.64E-20
COPD in ever smokers	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	0.022	0.015	0.153	0.011	41.338	TRUE	1.14E-09
COPD in ever smokers	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	0.005	0.015	0.750	0.010	36.378	TRUE	4.03E-09
COPD in ever smokers	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	-0.119	0.048	0.012	0.011	39.940	TRUE	6.61E-09
COPD in ever smokers	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	-0.035	0.021	0.088	0.034	129.133	TRUE	1.91E-27
COPD in ever smokers	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	-0.019	0.015	0.219	0.013	47.425	TRUE	5.05E-11
COPD in ever smokers	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	0.001	0.016	0.971	0.009	32.172	TRUE	2.44E-08
COPD in ever smokers	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	0.013	0.020	0.518	0.017	65.394	TRUE	4.46E-15
COPD in ever smokers	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	0.002	0.015	0.885	0.018	66.061	TRUE	1.65E-15
COPD in ever smokers	IFI16	cg07196514	rs12728586	A	G	-1.538	0.037	0.082	<1E-200	-0.019	0.028	0.498	0.315	1700.367	TRUE	<1E-200
COPD in ever smokers	IFI16	cg07196514	rs1417805	T	G	-0.287	0.023	0.480	1.90E-36	0.034	0.015	0.025	0.041	158.882	TRUE	5.37E-33
COPD in ever smokers	IFI16	cg07196514	rs1623601	T	C	-0.432	0.034	0.131	4.71E-37	-0.002	0.022	0.937	0.042	161.656	TRUE	1.76E-35
COPD in ever smokers	IFI16	cg07196514	rs4656498	T	C	-0.244	0.023	0.494	5.69E-26	-0.015	0.015	0.316	0.029	111.016	TRUE	2.73E-24
COPD in ever smokers	IFI16	cg07196514	rs67843408	G	A	-0.432	0.031	0.169	3.95E-43	0.040	0.020	0.039	0.049	189.466	TRUE	2.79E-39
COPD in ever smokers	IFI16	cg19939130	rs2518562	C	T	-0.257	0.039	0.095	6.65E-11	-0.017	0.024	0.472	0.011	42.597	TRUE	2.94E-10
COPD in ever smokers	IFI16	cg19939130	rs72704962	C	T	-0.379	0.036	0.115	3.43E-26	-0.004	0.023	0.850	0.029	112.018	TRUE	4.16E-25
COPD in ever smokers	IFI16	cg21406461	rs4657618	T	C	-0.213	0.023	0.450	5.48E-20	0.023	0.015	0.122	0.022	83.752	TRUE	2.54E-18
COPD in ever smokers	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	-0.023	0.015	0.119	0.031	118.669	TRUE	1.95E-25
COPD in ever smokers	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	0.041	0.017	0.018	0.057	224.451	TRUE	5.91E-46
COPD in ever smokers	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	0.028	0.021	0.172	0.034	131.224	TRUE	3.84E-28
COPD in ever smokers	INF2	cg02305961	rs77499036	T	C	-0.247	0.025	0.300	1.44E-22	0.011	0.016	0.501	0.025	95.505	TRUE	2.51E-21
COPD in ever smokers	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	0.036	0.020	0.077	0.013	48.825	TRUE	4.77E-11
COPD in ever smokers	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	0.026	0.016	0.098	0.008	31.282	TRUE	1.69E-07
COPD in ever smokers	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	0.037	0.016	0.018	0.021	79.141	TRUE	7.20E-17
COPD in ever smokers	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	0.027	0.015	0.068	0.094	383.550	TRUE	6.72E-78
COPD in ever smokers	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	-0.023	0.015	0.119	0.018	68.785	TRUE	2.99E-15
COPD in ever smokers	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	-0.008	0.018	0.633	0.017	62.938	TRUE	1.17E-14
COPD in ever smokers	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	-0.026	0.015	0.086	0.084	340.911	TRUE	1.06E-69

COPD in ever smokers	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.003	0.025	0.907	0.010	37.644	TRUE	1.75E-09
COPD in ever smokers	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	0.050	0.017	0.004	0.022	84.464	TRUE	1.23E-17
COPD in ever smokers	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	0.050	0.017	0.004	0.023	87.021	TRUE	3.79E-18
COPD in ever smokers	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	-0.004	0.027	0.875	0.028	107.959	TRUE	2.76E-24
COPD in ever smokers	INF2	cg10900068	rs77499036	T	C	0.226	0.025	0.300	1.32E-19	0.011	0.016	0.501	0.022	82.019	TRUE	1.59E-18
COPD in ever smokers	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	0.043	0.021	0.042	0.010	35.564	TRUE	3.18E-08
COPD in ever smokers	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	-0.029	0.015	0.053	0.071	282.331	TRUE	6.94E-58
COPD in ever smokers	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	0.040	0.026	0.117	0.093	377.804	TRUE	3.98E-77
COPD in ever smokers	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	0.043	0.021	0.042	0.011	39.333	TRUE	5.43E-09
COPD in ever smokers	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	-0.029	0.015	0.053	0.087	352.114	TRUE	1.30E-71
COPD in ever smokers	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	0.040	0.026	0.117	0.121	508.213	TRUE	2.24E-102
COPD in ever smokers	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	-0.023	0.015	0.119	0.011	39.846	TRUE	2.65E-09
COPD in ever smokers	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	-0.042	0.036	0.234	0.010	37.103	TRUE	6.77E-09
COPD in ever smokers	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	0.016	0.026	0.546	0.085	345.647	TRUE	4.49E-72
COPD in ever smokers	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	0.017	0.022	0.446	0.019	71.597	TRUE	2.65E-16
COPD in ever smokers	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	0.055	0.029	0.058	0.031	116.484	TRUE	9.72E-25
COPD in ever smokers	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	0.015	0.017	0.362	0.202	937.870	TRUE	1.58E-183
COPD in ever smokers	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	0.014	0.023	0.537	0.016	58.649	TRUE	1.11E-13
COPD in ever smokers	INF2	cg17984022	rs144808530	T	C	0.340	0.024	0.340	7.52E-45	0.045	0.016	0.005	0.051	197.345	TRUE	4.20E-40
COPD in ever smokers	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	0.032	0.019	0.095	0.012	44.800	TRUE	2.84E-10
COPD in ever smokers	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	0.015	0.017	0.362	0.023	85.568	TRUE	4.16E-19
COPD in ever smokers	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.003	0.025	0.907	0.010	36.206	TRUE	3.57E-09
COPD in ever smokers	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	0.036	0.020	0.077	0.010	39.191	TRUE	4.48E-09
COPD in ever smokers	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	0.021	0.090	0.818	0.029	110.722	TRUE	8.31E-25
COPD in ever smokers	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	0.064	0.017	1.96E-04	0.053	207.549	TRUE	3.00E-41
COPD in ever smokers	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	0.046	0.026	0.079	0.100	409.893	TRUE	4.05E-83
COPD in ever smokers	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	0.016	0.015	0.282	0.023	85.476	TRUE	5.57E-19
COPD in ever smokers	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	-0.009	0.018	0.625	0.032	123.422	TRUE	3.06E-27
COPD in ever smokers	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	0.064	0.017	1.96E-04	0.025	95.952	TRUE	2.37E-19
COPD in ever smokers	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	0.031	0.023	0.166	0.014	53.866	TRUE	2.81E-12
COPD in ever smokers	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	0.016	0.026	0.532	0.008	30.317	TRUE	1.06E-07
COPD in ever smokers	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	0.018	0.023	0.430	0.008	31.064	TRUE	8.54E-08
COPD in ever smokers	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	0.050	0.026	0.051	0.044	168.731	TRUE	3.15E-35
COPD in ever smokers	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	-0.029	0.015	0.053	0.055	215.354	TRUE	1.41E-44
COPD in ever smokers	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	0.011	0.016	0.477	0.010	37.466	TRUE	3.51E-09
COPD in ever smokers	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	0.036	0.020	0.077	0.009	33.252	TRUE	7.41E-08
COPD in ever smokers	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	-0.031	0.015	0.040	0.062	243.465	TRUE	4.77E-50
COPD in ever smokers	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	0.040	0.026	0.117	0.083	336.852	TRUE	4.31E-69
COPD in ever smokers	ITPRIP	cg02682924	rs10883967	G	A	-0.193	0.032	0.159	2.82E-09	-0.028	0.020	0.175	0.009	35.284	TRUE	1.91E-08
COPD in ever smokers	ITPRIP	cg02682924	rs41291846	T	G	-0.313	0.026	0.283	1.29E-33	-0.040	0.017	0.016	0.038	145.935	TRUE	2.92E-30
COPD in ever smokers	ITPRIP	cg03640944	rs72825857	G	A	-0.846	0.133	0.013	2.05E-10	0.005	0.065	0.937	0.011	40.394	TRUE	4.34E-10
COPD in ever smokers	ITPRIP	cg04935278	rs17884376	G	A	-0.883	0.132	0.014	2.57E-11	0.006	0.065	0.924	0.012	44.456	TRUE	5.98E-11

COPD in ever smokers	ITPRIP	cg05788080	rs147944114	A	G	-2.087	0.116	0.024	1.52E-72	-0.004	0.051	0.934	0.081	324.318	TRUE	1.69E-68
COPD in ever smokers	ITPRIP	cg11276172	rs276216	G	A	-0.250	0.025	0.313	5.03E-23	-0.034	0.016	0.033	0.026	97.583	TRUE	9.56E-21
COPD in ever smokers	ITPRIP	cg22882506	rs34594271	T	C	0.347	0.055	0.044	3.52E-10	-0.024	0.034	0.472	0.011	39.344	TRUE	1.42E-09
COPD in ever smokers	ITPRIP	cg22882506	rs7095770	G	A	0.400	0.026	0.285	1.18E-54	-0.038	0.017	0.020	0.061	242.273	TRUE	1.63E-49
COPD in ever smokers	ITPRIP	cg23387597	rs72825834	G	T	-0.834	0.133	0.014	3.68E-10	0.020	0.064	0.761	0.011	39.252	TRUE	9.67E-10
COPD in ever smokers	ITPRIP	cg24168991	rs11192059	T	C	0.307	0.036	0.126	5.19E-18	0.004	0.022	0.840	0.020	74.766	TRUE	2.62E-17
COPD in ever smokers	ITPRIP	cg24168991	rs11594962	T	C	0.419	0.064	0.070	7.40E-11	-0.048	0.029	0.100	0.011	42.387	TRUE	8.70E-10
COPD in ever smokers	ITPRIP	cg24168991	rs1484247	C	A	-0.170	0.024	0.403	1.28E-12	-0.046	0.016	0.003	0.013	50.335	TRUE	8.65E-11
COPD in ever smokers	ITPRIP	cg24168991	rs17736358	C	T	0.205	0.029	0.223	1.02E-12	0.040	0.018	0.028	0.014	50.769	TRUE	3.08E-11
COPD in ever smokers	ITPRIP	cg24168991	rs17761559	G	T	-0.298	0.047	0.126	3.57E-10	-0.004	0.022	0.853	0.011	39.316	TRUE	8.26E-10
COPD in ever smokers	ITPRIP	cg24168991	rs181325500	T	G	-0.545	0.087	0.019	3.93E-10	-0.012	0.058	0.837	0.010	39.124	TRUE	9.28E-10
COPD in ever smokers	ITPRIP	cg24168991	rs186656108	C	T	-0.546	0.097	0.013	2.06E-08	-0.090	0.065	0.167	0.008	31.419	TRUE	1.24E-07
COPD in ever smokers	ITPRIP	cg24168991	rs34970111	T	C	-0.883	0.020	0.444	<1E-200	-0.025	0.015	0.093	0.354	2031.331	TRUE	<1E-200
COPD in ever smokers	ITPRIP	cg24168991	rs35691152	A	C	0.257	0.034	0.128	7.92E-14	0.005	0.022	0.823	0.015	55.795	TRUE	2.71E-13
COPD in ever smokers	ITPRIP	cg24168991	rs600893	G	A	-0.391	0.026	0.261	1.60E-49	-0.050	0.017	0.003	0.056	218.741	TRUE	3.27E-44
COPD in ever smokers	ITPRIP	cg24168991	rs61861269	C	T	-0.440	0.073	0.026	1.33E-09	-0.068	0.045	0.127	0.010	36.749	TRUE	1.12E-08
COPD in ever smokers	ITPRIP	cg24168991	rs7095209	A	G	-0.179	0.028	0.236	9.56E-11	-0.006	0.018	0.716	0.011	41.886	TRUE	2.83E-10
COPD in ever smokers	ITPRIP	cg24168991	rs7095475	C	T	-0.218	0.033	0.153	3.92E-11	0.020	0.020	0.331	0.012	43.630	TRUE	2.34E-10
COPD in ever smokers	ITPRIP	cg24168991	rs72809849	A	G	0.367	0.054	0.054	1.33E-11	0.037	0.035	0.286	0.012	45.741	TRUE	9.43E-11
COPD in ever smokers	ITPRIP	cg24168991	rs72811687	G	T	-0.266	0.044	0.075	1.22E-09	0.023	0.026	0.386	0.010	36.923	TRUE	5.35E-09
COPD in ever smokers	ITPRIP	cg24168991	rs72823928	C	T	0.216	0.038	0.229	1.20E-08	0.011	0.018	0.532	0.009	32.466	TRUE	3.70E-08
COPD in ever smokers	ITPRIP	cg24168991	rs74473479	G	A	-0.756	0.103	0.017	2.23E-13	0.084	0.057	0.140	0.014	53.760	TRUE	3.29E-12
COPD in ever smokers	ITPRIP	cg24168991	rs79151117	G	A	-0.731	0.088	0.021	6.84E-17	-0.017	0.050	0.738	0.018	69.680	TRUE	3.70E-16
COPD in ever smokers	ITPRIP	cg24168991	rs911547	G	A	-0.242	0.034	0.146	5.78E-13	-0.026	0.022	0.235	0.014	51.891	TRUE	5.69E-12
COPD in ever smokers	ITPRIP	cg24199006	rs10883992	C	A	0.203	0.026	0.289	5.08E-15	-0.033	0.016	0.048	0.016	61.194	TRUE	1.83E-13
COPD in ever smokers	ITPRIP	cg27365978	rs10883967	G	A	0.197	0.032	0.159	1.17E-09	-0.028	0.020	0.175	0.010	37.007	TRUE	8.37E-09
COPD in ever smokers	ITPRIP	cg27365978	rs114365861	C	T	0.346	0.061	0.036	1.53E-08	-0.002	0.036	0.956	0.009	31.997	TRUE	2.71E-08
COPD in ever smokers	ITPRIP	cg27365978	rs34594271	T	C	0.340	0.055	0.044	7.97E-10	-0.024	0.034	0.472	0.010	37.747	TRUE	3.09E-09
COPD in ever smokers	ITPRIP	cg27365978	rs41291846	T	G	0.540	0.025	0.283	4.85E-100	-0.040	0.017	0.016	0.109	450.550	TRUE	4.79E-90
COPD in ever smokers	ITPRIP	cg27365978	rs61861273	G	A	0.413	0.072	0.027	1.23E-08	-0.065	0.046	0.153	0.009	32.414	TRUE	8.05E-08
COPD in ever smokers	LAPTM4B	cg01857802	rs2449506	C	T	0.228	0.035	0.161	4.98E-11	0.038	0.020	0.061	0.012	43.163	TRUE	7.68E-10
COPD in ever smokers	LAPTM4B	cg07673230	rs17744327	C	A	-0.179	0.032	0.187	2.60E-08	0.019	0.019	0.328	0.008	30.972	TRUE	1.06E-07
COPD in ever smokers	LAPTM4B	cg07673230	rs2331582	A	G	0.165	0.026	0.433	1.07E-10	0.005	0.015	0.736	0.011	41.670	TRUE	3.06E-10
COPD in ever smokers	LAPTM4B	cg07673230	rs2438208	T	C	-0.304	0.027	0.360	3.93E-30	-0.025	0.016	0.114	0.034	130.014	TRUE	1.01E-27
COPD in ever smokers	LAPTM4B	cg07673230	rs62524061	A	G	0.242	0.028	0.297	2.09E-18	-0.017	0.016	0.305	0.020	76.558	TRUE	3.60E-17
COPD in ever smokers	LAPTM4B	cg07673230	rs7828883	G	A	0.440	0.054	0.056	4.02E-16	0.022	0.033	0.497	0.018	66.193	TRUE	3.18E-15
COPD in ever smokers	LAPTM4B	cg19357416	rs10088086	G	T	-0.164	0.027	0.354	1.05E-09	-0.004	0.016	0.800	0.010	37.211	TRUE	2.50E-09
COPD in ever smokers	LAPTM4B	cg19357416	rs2449506	C	T	0.210	0.035	0.161	1.32E-09	0.038	0.020	0.061	0.010	36.756	TRUE	1.57E-08
COPD in ever smokers	LAPTM4B	cg19726712	rs10094310	A	C	-0.197	0.025	0.423	7.48E-15	-0.006	0.015	0.672	0.016	60.434	TRUE	3.66E-14
COPD in ever smokers	LAPTM4B	cg19726712	rs13255407	C	T	-0.169	0.028	0.308	1.39E-09	0.010	0.016	0.554	0.010	36.657	TRUE	4.62E-09
COPD in ever smokers	LAPTM4B	cg19726712	rs138701653	G	T	-1.068	0.111	0.014	6.53E-22	-0.076	0.059	0.204	0.024	92.512	TRUE	2.68E-20
COPD in ever smokers	LAPTM4B	cg19726712	rs2438201	G	A	-0.507	0.031	0.219	5.55E-61	0.010	0.018	0.579	0.068	271.280	TRUE	2.72E-57

COPD in ever smokers	LAPTM4B	cg19726712	rs2449502	T	G	-0.243	0.036	0.154	1.03E-11	0.036	0.021	0.080	0.012	46.247	TRUE	1.57E-10
COPD in ever smokers	LAPTM4B	cg19726712	rs2449527	A	G	-0.226	0.030	0.224	7.35E-14	0.014	0.018	0.417	0.015	55.942	TRUE	5.21E-13
COPD in ever smokers	LAPTM4B	cg19726712	rs2512067	G	T	0.537	0.054	0.058	1.83E-23	-0.032	0.032	0.326	0.026	99.581	TRUE	5.95E-22
COPD in ever smokers	LAPTM4B	cg19726712	rs28883275	A	G	-0.818	0.116	0.011	1.41E-12	0.015	0.069	0.828	0.013	50.139	TRUE	4.25E-12
COPD in ever smokers	LAPTM4B	cg20541656	rs147931051	A	G	0.448	0.035	0.152	1.21E-36	0.038	0.021	0.070	0.041	159.778	TRUE	1.50E-33
COPD in ever smokers	LAPTM4B	cg20541656	rs17741980	T	C	0.479	0.082	0.025	5.66E-09	-0.006	0.044	0.883	0.009	33.929	TRUE	1.13E-08
COPD in ever smokers	LAPTM4B	cg20541656	rs185983776	C	T	0.444	0.069	0.032	1.04E-10	0.055	0.041	0.185	0.011	41.725	TRUE	8.50E-10
COPD in ever smokers	LAPTM4B	cg20541656	rs1968838	C	T	0.194	0.029	0.253	4.81E-11	0.007	0.017	0.697	0.012	43.228	TRUE	1.51E-10
COPD in ever smokers	LAPTM4B	cg20541656	rs2449527	A	G	-0.172	0.030	0.224	1.30E-08	0.014	0.018	0.417	0.009	32.308	TRUE	4.76E-08
COPD in ever smokers	LAPTM4B	cg22581831	rs2468038	A	C	-0.620	0.055	0.055	4.34E-29	-0.034	0.031	0.265	0.033	125.247	TRUE	4.01E-27
COPD in ever smokers	LOC100132724	cg19949776	rs118136423	T	C	0.624	0.065	0.042	6.68E-22	-0.003	0.036	0.937	0.024	92.466	TRUE	4.20E-21
COPD in ever smokers	LOC100132724	cg19949776	rs11857513	A	G	-0.445	0.071	0.026	3.36E-10	0.000	0.045	0.993	0.011	39.435	TRUE	6.47E-10
COPD in ever smokers	LOC100132724	cg19949776	rs12905736	A	G	-0.170	0.026	0.271	6.62E-11	0.057	0.017	6.79E-04	0.011	42.604	TRUE	4.75E-09
COPD in ever smokers	LOC100132724	cg19949776	rs146676154	C	T	-0.558	0.068	0.029	1.62E-16	0.019	0.042	0.653	0.018	67.982	TRUE	9.84E-16
COPD in ever smokers	LOC100132724	cg19949776	rs149451788	C	T	0.571	0.057	0.045	1.29E-23	-0.037	0.037	0.319	0.026	100.282	TRUE	4.36E-22
COPD in ever smokers	LOC100132724	cg19949776	rs150420855	A	G	-0.594	0.099	0.015	2.11E-09	-0.022	0.064	0.728	0.010	35.852	TRUE	5.36E-09
COPD in ever smokers	LOC100132724	cg19949776	rs17600375	T	C	0.673	0.031	0.162	3.91E-107	0.022	0.020	0.272	0.116	483.129	TRUE	2.82E-98
COPD in ever smokers	LOC100132724	cg19949776	rs17601241	A	G	0.463	0.040	0.089	9.66E-31	-0.019	0.026	0.461	0.035	132.796	TRUE	5.66E-29
COPD in ever smokers	LOC100132724	cg19949776	rs2124872	A	G	-0.176	0.030	0.184	4.12E-09	0.020	0.019	0.305	0.009	34.547	TRUE	1.97E-08
COPD in ever smokers	LOC100132724	cg19949776	rs2445750	T	C	-0.249	0.026	0.298	7.69E-22	0.006	0.016	0.698	0.024	92.186	TRUE	7.82E-21
COPD in ever smokers	LOC100132724	cg19949776	rs34917130	C	T	0.283	0.036	0.124	3.62E-15	-0.008	0.023	0.718	0.016	61.861	TRUE	1.69E-14
COPD in ever smokers	LOC100132724	cg19949776	rs3751591	G	A	0.240	0.044	0.156	4.22E-08	-0.037	0.020	0.068	0.008	30.031	TRUE	3.58E-07
COPD in ever smokers	LOC100132724	cg19949776	rs55946545	C	T	0.411	0.050	0.060	3.44E-16	-0.045	0.033	0.173	0.018	66.500	TRUE	6.79E-15
COPD in ever smokers	LOC100132724	cg19949776	rs60695341	T	C	-0.640	0.027	0.204	5.32E-120	0.069	0.018	1.72E-04	0.128	542.234	TRUE	2.18E-105
COPD in ever smokers	LOC100132724	cg19949776	rs71471588	T	C	-0.780	0.134	0.020	6.26E-09	0.060	0.055	0.279	0.009	33.735	TRUE	3.08E-08
COPD in ever smokers	LOC100132724	cg19949776	rs72727133	T	C	0.611	0.036	0.112	4.09E-63	-0.029	0.023	0.211	0.071	281.060	TRUE	1.95E-58
COPD in ever smokers	LOC100132724	cg19949776	rs72729238	C	T	-0.775	0.132	0.020	4.21E-09	-0.001	0.044	0.981	0.009	34.507	TRUE	7.55E-09
COPD in ever smokers	LOC100132724	cg19949776	rs74446953	G	A	-0.174	0.029	0.193	2.19E-09	-0.009	0.019	0.613	0.010	35.779	TRUE	6.51E-09
COPD in ever smokers	LOC100132724	cg19949776	rs74804171	T	C	0.426	0.070	0.027	1.40E-09	-0.154	0.047	0.001	0.010	36.654	TRUE	6.14E-08
COPD in ever smokers	LOC100132724	cg19949776	rs76181975	G	A	0.591	0.057	0.049	1.32E-25	-0.013	0.035	0.705	0.029	109.358	TRUE	2.06E-24
COPD in ever smokers	LOC100132724	cg19949776	rs76264726	A	G	-0.386	0.064	0.031	1.98E-09	-0.018	0.041	0.665	0.010	35.972	TRUE	5.51E-09
COPD in ever smokers	LOC100132724	cg19949776	rs78196407	G	T	-0.580	0.052	0.058	1.21E-28	-0.006	0.033	0.847	0.032	123.214	TRUE	1.97E-27
COPD in ever smokers	LOC100132724	cg19949776	rs78376852	G	A	0.305	0.032	0.148	2.23E-21	-0.005	0.021	0.822	0.024	90.085	TRUE	1.66E-20
COPD in ever smokers	LOC100132724	cg19949776	rs79469565	T	C	-0.368	0.050	0.105	2.29E-13	-0.021	0.024	0.382	0.014	53.707	TRUE	1.64E-12
COPD in ever smokers	LOC100132724	cg19949776	rs8025206	C	T	-0.436	0.024	0.386	1.21E-76	0.033	0.051	0.525	0.085	343.136	TRUE	1.55E-71
COPD in ever smokers	LOC100132724	cg19949776	rs8027182	T	C	-0.895	0.018	0.457	<1E-200	0.051	0.015	7.60E-04	0.393	2395.089	TRUE	<1E-200
COPD in ever smokers	LOC100132724	cg19949776	rs854160	T	C	0.166	0.024	0.428	4.62E-12	0.003	0.015	0.839	0.013	47.816	TRUE	1.30E-11
COPD in ever smokers	LOC100132724	cg19949776	rs882299	G	A	-0.682	0.050	0.059	3.62E-43	0.024	0.031	0.437	0.049	189.641	TRUE	1.49E-40
COPD in ever smokers	LOC100132724	cg19949776	rs9972359	C	T	-0.343	0.024	0.417	1.97E-47	0.042	0.015	0.005	0.054	209.172	TRUE	1.82E-42
COPD in ever smokers	MAPK3	cg00192773	rs78564187	A	G	-0.426	0.044	0.080	8.82E-22	-0.073	0.029	0.012	0.024	91.916	TRUE	2.37E-19
COPD in ever smokers	MAPK3	cg08464513	rs62057756	A	G	0.164	0.024	0.390	3.76E-12	0.035	0.015	0.021	0.013	48.220	TRUE	1.14E-10
COPD in ever smokers	MAPK3	cg08464513	rs8061772	C	A	-0.461	0.033	0.142	7.03E-45	0.037	0.021	0.083	0.051	197.479	TRUE	3.35E-41

COPD in ever smokers	MIA	cg24083702	rs3745210	A	G	0.171	0.026	0.296	3.09E-11	-0.016	0.016	0.339	0.012	44.098	TRUE	1.84E-10
COPD in ever smokers	MIA	cg24083702	rs79436912	G	A	0.430	0.042	0.082	2.33E-24	0.018	0.026	0.479	0.027	103.661	TRUE	5.45E-23
COPD in ever smokers	MIR944	cg15245749	rs7619556	G	A	0.150	0.024	0.429	1.94E-10	0.012	0.015	0.409	0.011	40.508	TRUE	9.04E-10
COPD in ever smokers	MMP9	cg00182727	rs35567443	C	T	-0.333	0.024	0.425	8.25E-44	0.026	0.015	0.089	0.049	192.581	TRUE	2.97E-40
COPD in ever smokers	MMP9	cg04145601	rs112921409	A	C	0.180	0.024	0.423	3.09E-14	0.001	0.015	0.938	0.015	57.647	TRUE	9.13E-14
COPD in ever smokers	MMP9	cg04145601	rs13038175	A	G	0.272	0.036	0.118	7.92E-14	-0.023	0.023	0.316	0.015	55.796	TRUE	7.05E-13
COPD in ever smokers	MMP9	cg04145601	rs3918253	C	T	-0.453	0.024	0.425	1.96E-81	0.026	0.015	0.088	0.090	365.122	TRUE	1.83E-74
COPD in ever smokers	MMP9	cg04656101	rs2297198	T	C	-0.216	0.029	0.194	1.48E-13	0.041	0.019	0.030	0.015	54.570	TRUE	5.12E-12
COPD in ever smokers	MMP9	cg04656101	rs3918253	C	T	-0.326	0.024	0.425	2.93E-42	0.026	0.015	0.088	0.048	185.481	TRUE	7.99E-39
COPD in ever smokers	MMP9	cg04656101	rs4810488	A	C	-0.194	0.030	0.191	5.57E-11	0.055	0.019	0.003	0.011	42.942	TRUE	2.53E-09
COPD in ever smokers	MMP9	cg04656101	rs77880402	C	T	0.207	0.035	0.125	5.03E-09	-0.019	0.026	0.475	0.009	34.159	TRUE	1.76E-08
COPD in ever smokers	MMP9	cg17664577	rs148773337	A	C	-0.424	0.073	0.022	7.36E-09	0.014	0.052	0.785	0.009	33.420	TRUE	1.65E-08
COPD in ever smokers	MMP9	cg17664577	rs35567443	C	T	-0.370	0.024	0.425	5.48E-54	0.026	0.015	0.089	0.061	239.211	TRUE	1.38E-49
COPD in ever smokers	MMP9	cg20674635	rs112033225	A	G	0.381	0.057	0.043	3.43E-11	0.009	0.035	0.802	0.012	43.891	TRUE	9.38E-11
COPD in ever smokers	MMP9	cg20674635	rs112059592	G	T	-0.407	0.075	0.026	4.76E-08	-0.022	0.047	0.642	0.008	29.796	TRUE	1.18E-07
COPD in ever smokers	MMP9	cg20674635	rs13038175	A	G	0.231	0.036	0.118	2.07E-10	-0.023	0.023	0.316	0.011	40.381	TRUE	1.16E-09
COPD in ever smokers	MMP9	cg20674635	rs3918256	G	A	-0.605	0.023	0.425	5.79E-150	0.025	0.015	0.095	0.155	679.920	TRUE	1.09E-134
COPD in ever smokers	MMP9	cg20674635	rs3918278	A	G	-0.572	0.084	0.023	8.55E-12	0.016	0.052	0.754	0.012	46.611	TRUE	2.66E-11
COPD in ever smokers	MMP9	cg20674635	rs4810488	A	C	-0.203	0.030	0.191	7.34E-12	0.055	0.019	0.003	0.013	46.908	TRUE	4.13E-10
COPD in ever smokers	MMP9	cg20674635	rs56279239	A	G	0.290	0.036	0.126	3.41E-16	-0.004	0.023	0.856	0.018	66.516	TRUE	1.39E-15
COPD in ever smokers	MMP9	cg20674635	rs6074009	T	C	-0.196	0.030	0.187	5.95E-11	0.010	0.018	0.588	0.011	42.812	TRUE	2.18E-10
COPD in ever smokers	MMP9	cg20674635	rs6130946	C	T	-0.202	0.036	0.117	2.59E-08	0.043	0.023	0.060	0.008	30.979	TRUE	2.40E-07
COPD in ever smokers	MMP9	cg20674635	rs7264209	C	T	0.311	0.056	0.045	2.28E-08	-0.031	0.036	0.380	0.008	31.227	TRUE	8.56E-08
COPD in ever smokers	MMP9	cg20674635	rs77617917	A	G	-0.244	0.044	0.075	2.56E-08	-0.035	0.028	0.210	0.008	30.999	TRUE	1.35E-07
COPD in ever smokers	MMP9	cg20674635	rs77727017	T	G	-0.277	0.036	0.118	2.36E-14	-0.026	0.022	0.247	0.015	58.172	TRUE	2.75E-13
COPD in ever smokers	MMP9	cg20674635	rs79439130	A	G	-0.435	0.058	0.040	7.55E-14	0.065	0.035	0.061	0.015	55.890	TRUE	1.94E-12
COPD in ever smokers	MMP9	cg23303369	rs112059592	G	T	-0.513	0.075	0.026	6.27E-12	-0.022	0.047	0.642	0.013	47.218	TRUE	2.35E-11
COPD in ever smokers	MMP9	cg23303369	rs1128536	A	G	-0.143	0.026	0.291	2.69E-08	-0.002	0.017	0.883	0.008	30.902	TRUE	5.09E-08
COPD in ever smokers	MMP9	cg23303369	rs113562688	A	G	-0.303	0.036	0.116	6.84E-17	-0.029	0.023	0.196	0.018	69.681	TRUE	1.37E-15
COPD in ever smokers	MMP9	cg23303369	rs12373874	A	G	-0.530	0.096	0.030	3.30E-08	0.025	0.042	0.558	0.008	30.509	TRUE	9.29E-08
COPD in ever smokers	MMP9	cg23303369	rs13038175	A	G	0.330	0.036	0.118	1.05E-19	-0.023	0.023	0.316	0.022	82.461	TRUE	2.09E-18
COPD in ever smokers	MMP9	cg23303369	rs148773337	A	C	-0.453	0.073	0.022	6.02E-10	0.014	0.052	0.785	0.010	38.294	TRUE	1.50E-09
COPD in ever smokers	MMP9	cg23303369	rs3918256	G	A	-0.749	0.023	0.425	3.10E-242	0.025	0.015	0.095	0.230	1104.131	TRUE	1.73E-211
COPD in ever smokers	MMP9	cg23303369	rs3918278	A	G	-0.528	0.084	0.023	3.14E-10	0.016	0.052	0.754	0.011	39.563	TRUE	8.37E-10
COPD in ever smokers	MMP9	cg23303369	rs3933240	T	C	0.277	0.046	0.069	2.43E-09	-0.025	0.030	0.413	0.010	35.579	TRUE	9.78E-09
COPD in ever smokers	MMP9	cg23303369	rs4810488	A	C	-0.245	0.030	0.191	1.33E-16	0.055	0.019	0.003	0.018	68.373	TRUE	2.20E-14
COPD in ever smokers	MMP9	cg23303369	rs55943410	T	C	0.410	0.044	0.079	7.25E-21	-0.023	0.028	0.412	0.023	87.750	TRUE	1.28E-19
COPD in ever smokers	MMP9	cg23303369	rs6017575	G	A	-0.180	0.031	0.176	4.17E-09	0.007	0.019	0.719	0.009	34.525	TRUE	1.04E-08
COPD in ever smokers	MMP9	cg23303369	rs6074009	T	C	-0.236	0.030	0.187	3.86E-15	0.010	0.018	0.588	0.016	61.737	TRUE	2.27E-14
COPD in ever smokers	MMP9	cg23303369	rs73112805	G	T	0.339	0.053	0.050	1.17E-10	-0.050	0.034	0.139	0.011	41.494	TRUE	1.12E-09
COPD in ever smokers	MMP9	cg23303369	rs77202366	T	C	0.418	0.057	0.044	1.86E-13	0.012	0.035	0.726	0.014	54.119	TRUE	7.16E-13
COPD in ever smokers	MMP9	cg23303369	rs79439130	A	G	-0.388	0.058	0.040	2.61E-11	0.065	0.035	0.061	0.012	44.422	TRUE	4.25E-10

COPD in ever smokers	MMP9	cg23303369	rs9509	C	T	-0.389	0.070	0.030	3.03E-08	-0.053	0.051	0.292	0.008	30.674	TRUE	1.31E-07
COPD in ever smokers	MMP9	cg23353432	rs13969	A	C	-0.255	0.024	0.388	1.69E-25	0.034	0.015	0.027	0.029	108.866	TRUE	5.75E-23
COPD in ever smokers	MMP9	cg26132320	rs143834352	T	G	-0.674	0.123	0.015	3.98E-08	-0.012	0.054	0.821	0.008	30.144	TRUE	7.98E-08
COPD in ever smokers	MMP9	cg26132320	rs3918256	G	A	-0.423	0.024	0.425	3.70E-71	0.025	0.015	0.095	0.079	317.957	TRUE	3.05E-65
COPD in ever smokers	MMP9	cg26132320	rs7270170	A	G	0.156	0.024	0.455	3.44E-11	0.005	0.015	0.738	0.012	43.883	TRUE	1.03E-10
COPD in ever smokers	MMP9	cg26132320	rs73112805	G	T	0.337	0.052	0.050	1.29E-10	-0.050	0.034	0.139	0.011	41.303	TRUE	1.22E-09
COPD in ever smokers	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	0.016	0.024	0.504	0.010	35.627	TRUE	8.24E-09
COPD in ever smokers	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	-0.010	0.016	0.529	0.011	40.101	TRUE	8.98E-10
COPD in ever smokers	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	0.003	0.015	0.851	0.016	59.363	TRUE	4.55E-14
COPD in ever smokers	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	-0.016	0.024	0.508	0.018	69.319	TRUE	6.90E-16
COPD in ever smokers	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	0.042	0.038	0.267	0.020	73.825	TRUE	1.49E-16
COPD in ever smokers	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	-0.005	0.027	0.861	0.011	42.813	TRUE	1.47E-10
COPD in ever smokers	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	-0.019	0.015	0.212	0.105	436.012	TRUE	6.33E-89
COPD in ever smokers	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	-0.011	0.018	0.546	0.009	34.701	TRUE	1.22E-08
COPD in ever smokers	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	-0.035	0.016	0.030	0.027	102.085	TRUE	1.26E-21
COPD in ever smokers	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	-0.008	0.034	0.825	0.013	47.353	TRUE	1.66E-11
COPD in ever smokers	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	0.038	0.019	0.047	0.027	103.029	TRUE	6.04E-22
COPD in ever smokers	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	0.006	0.016	0.694	0.034	131.110	TRUE	6.61E-29
COPD in ever smokers	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	-0.035	0.016	0.030	0.009	31.786	TRUE	2.13E-07
COPD in ever smokers	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	-0.091	0.038	0.018	0.035	135.131	TRUE	3.91E-28
COPD in ever smokers	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	0.019	0.015	0.208	0.018	67.714	TRUE	3.34E-15
COPD in ever smokers	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	0.014	0.015	0.345	0.012	43.170	TRUE	2.84E-10
COPD in ever smokers	NAPSA	cg08194323	rs1405655	C	T	-0.193	0.025	0.334	9.18E-15	0.033	0.016	0.037	0.016	60.031	TRUE	3.59E-13
COPD in ever smokers	NCK1	cg00658740	rs6800032	C	T	-0.179	0.025	0.295	2.31E-12	-0.035	0.016	0.028	0.013	49.174	TRUE	6.52E-11
COPD in ever smokers	NCK1	cg00658740	rs77203258	C	T	0.331	0.044	0.077	4.85E-14	0.005	0.028	0.850	0.015	56.759	TRUE	1.62E-13
COPD in ever smokers	NCK1	cg09847234	rs9815771	T	C	0.266	0.025	0.296	1.19E-26	-0.035	0.016	0.030	0.030	114.124	TRUE	4.67E-24
COPD in ever smokers	NDUFA11	cg03715305	rs12974377	T	C	-0.269	0.043	0.086	2.34E-10	-0.044	0.027	0.094	0.011	40.138	TRUE	2.59E-09
COPD in ever smokers	NDUFA11	cg03715305	rs72989070	T	C	0.187	0.033	0.148	1.48E-08	0.036	0.020	0.077	0.009	32.059	TRUE	1.30E-07
COPD in ever smokers	NEU1	cg00397479	rs9268158	T	C	-0.290	0.034	0.128	4.12E-17	0.083	0.022	1.30E-04	0.019	70.680	TRUE	2.46E-14
COPD in ever smokers	NEU1	cg00397479	rs9276569	T	C	-0.135	0.023	0.479	4.28E-09	0.043	0.015	0.004	0.009	34.475	TRUE	1.19E-07
COPD in ever smokers	NEU1	cg25560247	rs385306	A	G	-0.207	0.029	0.217	6.44E-13	-0.028	0.018	0.124	0.014	51.680	TRUE	9.49E-12
COPD in ever smokers	NEU1	cg27645345	rs116312062	G	T	-0.197	0.034	0.137	6.22E-09	0.099	0.023	1.61E-05	0.009	33.747	TRUE	5.77E-07
COPD in ever smokers	NLRP1	cg00268086	rs59470295	T	C	-0.246	0.043	0.077	8.46E-09	-0.048	0.036	0.180	0.009	33.148	TRUE	5.22E-08
COPD in ever smokers	NLRP1	cg00268086	rs871928	A	G	-0.234	0.031	0.174	2.96E-14	0.004	0.020	0.857	0.015	57.727	TRUE	1.00E-13
COPD in ever smokers	NLRP1	cg09070760	rs11653202	A	G	-0.232	0.027	0.266	3.28E-18	0.009	0.017	0.592	0.020	75.671	TRUE	2.73E-17
COPD in ever smokers	NLRP1	cg09070760	rs12450050	A	G	-0.130	0.024	0.441	4.46E-08	0.022	0.015	0.140	0.008	29.924	TRUE	2.76E-07
COPD in ever smokers	NLRP1	cg09070760	rs143679704	T	C	0.439	0.072	0.024	1.26E-09	0.107	0.048	0.025	0.010	36.851	TRUE	2.13E-08
COPD in ever smokers	NLRP1	cg09070760	rs143981428	T	C	-0.644	0.071	0.032	9.24E-20	-0.028	0.040	0.489	0.022	82.720	TRUE	1.17E-18
COPD in ever smokers	NLRP1	cg09070760	rs16954813	A	G	0.420	0.026	0.272	1.25E-58	0.031	0.017	0.066	0.066	260.493	TRUE	1.14E-53
COPD in ever smokers	NLRP1	cg09070760	rs2641257	G	A	-0.260	0.031	0.169	2.92E-17	-0.029	0.020	0.149	0.019	71.358	TRUE	7.60E-16
COPD in ever smokers	NLRP1	cg09070760	rs3744711	G	A	0.365	0.033	0.140	3.22E-28	0.031	0.021	0.140	0.032	121.277	TRUE	4.95E-26
COPD in ever smokers	NLRP1	cg09070760	rs57747583	A	G	-0.909	0.033	0.120	1.69E-167	-0.003	0.022	0.902	0.171	760.513	TRUE	1.39E-152

COPD in ever smokers	NLRP1	cg09070760	rs72479703	G	A	-0.270	0.036	0.116	4.48E-14	0.019	0.023	0.396	0.015	56.913	TRUE	3.42E-13
COPD in ever smokers	NLRP1	cg09070760	rs9897420	A	G	0.175	0.023	0.484	9.19E-14	-0.016	0.015	0.285	0.015	55.504	TRUE	8.81E-13
COPD in ever smokers	NLRP1	cg11828470	rs117277629	G	A	1.183	0.100	0.012	2.78E-32	-0.077	0.067	0.248	0.036	139.837	TRUE	4.53E-30
COPD in ever smokers	NLRP1	cg11828470	rs12940090	T	C	1.648	0.052	0.041	6.63E-217	-0.015	0.035	0.663	0.211	987.655	TRUE	1.65E-193
COPD in ever smokers	NLRP1	cg11828470	rs145633967	A	G	1.262	0.110	0.012	1.52E-30	-0.048	0.068	0.484	0.034	131.898	TRUE	8.08E-29
COPD in ever smokers	NLRP1	cg11828470	rs2670664	C	T	-0.236	0.024	0.397	1.76E-22	0.030	0.016	0.064	0.025	95.109	TRUE	1.97E-20
COPD in ever smokers	NLRP1	cg11828470	rs7215713	T	C	0.200	0.028	0.223	8.30E-13	0.001	0.018	0.972	0.014	51.182	TRUE	2.05E-12
COPD in ever smokers	NLRP1	cg11828470	rs72839527	C	T	0.271	0.031	0.161	2.71E-18	0.060	0.019	0.002	0.020	76.048	TRUE	8.52E-16
COPD in ever smokers	NLRP1	cg11828470	rs76419842	C	T	0.435	0.073	0.045	2.46E-09	0.005	0.033	0.869	0.010	35.553	TRUE	5.18E-09
COPD in ever smokers	NLRP1	cg11828470	rs8081811	A	G	-0.162	0.027	0.253	2.19E-09	0.041	0.017	0.016	0.010	35.779	TRUE	4.15E-08
COPD in ever smokers	NLRP1	cg19060895	rs117184135	T	C	-0.717	0.101	0.012	9.65E-13	-0.079	0.067	0.236	0.014	50.888	TRUE	9.17E-12
COPD in ever smokers	NLRP1	cg19060895	rs145633967	A	G	-0.846	0.110	0.012	1.72E-14	-0.048	0.068	0.484	0.016	58.800	TRUE	1.14E-13
COPD in ever smokers	NLRP1	cg19060895	rs35291181	T	C	-1.152	0.054	0.041	3.06E-99	-0.020	0.035	0.575	0.108	446.877	TRUE	4.78E-92
COPD in ever smokers	NLRP1	cg26561413	rs11078575	G	A	-0.279	0.024	0.463	9.94E-32	-0.031	0.015	0.040	0.036	137.308	TRUE	8.11E-29
COPD in ever smokers	NLRP1	cg26561413	rs3865353	T	G	0.163	0.024	0.428	4.87E-12	0.019	0.015	0.201	0.013	47.711	TRUE	4.65E-11
COPD in ever smokers	NLRP1	cg26561413	rs77394282	T	C	0.418	0.051	0.053	1.51E-16	0.030	0.029	0.298	0.018	68.115	TRUE	2.05E-15
COPD in ever smokers	NOD2	cg01055281	rs1109863	G	A	-0.141	0.026	0.290	3.92E-08	0.004	0.016	0.807	0.008	30.173	TRUE	7.99E-08
COPD in ever smokers	NOD2	cg01055281	rs2066844	T	C	-0.762	0.081	0.046	4.31E-21	-0.028	0.035	0.418	0.023	88.779	TRUE	7.72E-20
COPD in ever smokers	NOD2	cg01068906	rs2066844	T	C	-1.527	0.077	0.046	8.55E-87	-0.028	0.035	0.418	0.095	389.723	TRUE	1.69E-80
COPD in ever smokers	NOD2	cg01068906	rs62028332	A	G	-0.233	0.035	0.135	2.83E-11	-0.004	0.022	0.873	0.012	44.269	TRUE	7.04E-11
COPD in ever smokers	NOD2	cg01068906	rs6500328	G	A	0.197	0.024	0.397	2.65E-16	0.030	0.015	0.046	0.018	67.012	TRUE	1.22E-14
COPD in ever smokers	NOD2	cg01068906	rs74502244	T	C	-0.821	0.141	0.015	6.48E-09	0.027	0.062	0.663	0.009	33.668	TRUE	1.71E-08
COPD in ever smokers	NOD2	cg01068906	rs78299226	T	C	-0.445	0.055	0.048	3.82E-16	-0.016	0.032	0.613	0.018	66.293	TRUE	2.40E-15
COPD in ever smokers	NOD2	cg01068906	rs9673419	C	A	-0.197	0.028	0.223	1.58E-12	0.000	0.017	1.000	0.013	49.924	TRUE	3.65E-12
COPD in ever smokers	NOD2	cg05261686	rs11647841	A	G	0.451	0.024	0.388	1.36E-80	0.032	0.015	0.035	0.089	361.257	TRUE	3.59E-73
COPD in ever smokers	NOD2	cg08195491	rs2066844	T	C	-1.262	0.079	0.046	1.10E-57	-0.028	0.035	0.418	0.065	256.157	TRUE	5.83E-54
COPD in ever smokers	NOD2	cg08195491	rs62028332	A	G	-0.247	0.035	0.135	1.42E-12	-0.004	0.022	0.873	0.013	50.128	TRUE	3.98E-12
COPD in ever smokers	NOD2	cg08195491	rs6500328	G	A	0.160	0.024	0.397	2.74E-11	0.030	0.015	0.046	0.012	44.329	TRUE	5.01E-10
COPD in ever smokers	NOD2	cg08195491	rs7192726	T	C	-0.177	0.032	0.156	2.74E-08	0.008	0.020	0.698	0.008	30.865	TRUE	6.49E-08
COPD in ever smokers	NOD2	cg08195491	rs78299226	T	C	-0.427	0.054	0.048	3.99E-15	-0.016	0.032	0.613	0.016	61.671	TRUE	2.23E-14
COPD in ever smokers	NOD2	cg08195491	rs9673419	C	A	-0.209	0.028	0.223	6.04E-14	0.000	0.017	1.000	0.015	56.329	TRUE	1.58E-13
COPD in ever smokers	NOD2	cg08554257	rs12925755	A	C	-0.135	0.025	0.369	3.97E-08	0.025	0.016	0.119	0.008	30.148	TRUE	2.67E-07
COPD in ever smokers	NOD2	cg08554257	rs2270368	G	A	0.235	0.025	0.287	2.55E-20	-0.013	0.017	0.429	0.023	85.267	TRUE	4.00E-19
COPD in ever smokers	NOD2	cg16771652	rs2066850	A	G	-0.307	0.026	0.282	4.94E-33	-0.015	0.017	0.356	0.037	143.266	TRUE	5.78E-31
COPD in ever smokers	NOD2	cg16771652	rs8056611	A	G	-0.172	0.024	0.494	4.06E-13	-0.013	0.015	0.376	0.014	52.585	TRUE	2.86E-12
COPD in ever smokers	NOD2	cg18177814	rs11649521	A	G	-0.272	0.026	0.282	4.62E-26	-0.014	0.017	0.392	0.029	111.430	TRUE	1.75E-24
COPD in ever smokers	NOD2	cg18177814	rs5743263	C	T	1.586	0.093	0.033	1.40E-64	0.019	0.040	0.637	0.072	287.785	TRUE	1.06E-60
COPD in ever smokers	NOD2	cg18177814	rs7186262	C	T	0.213	0.026	0.306	1.06E-16	0.021	0.016	0.184	0.018	68.813	TRUE	2.17E-15
COPD in ever smokers	NOD2	cg18177814	rs7206894	A	G	0.263	0.033	0.155	1.93E-15	-0.005	0.021	0.818	0.017	63.104	TRUE	7.79E-15
COPD in ever smokers	NOD2	cg18177814	rs72788289	C	T	0.221	0.037	0.108	3.42E-09	0.009	0.024	0.711	0.009	34.907	TRUE	8.73E-09
COPD in ever smokers	NOD2	cg18177814	rs9921146	A	C	0.231	0.024	0.349	1.89E-21	-0.010	0.016	0.541	0.024	90.404	TRUE	2.61E-20
COPD in ever smokers	NOD2	cg18177814	rs9935378	T	C	0.183	0.027	0.249	9.37E-12	0.008	0.017	0.663	0.012	46.430	TRUE	3.34E-11

COPD in ever smokers	NOD2	cg26954174	rs2270368	G	A	0.229	0.026	0.287	3.11E-19	-0.013	0.017	0.429	0.021	80.323	TRUE	4.24E-18
COPD in ever smokers	NUPR1	cg01542023	rs112191041	G	A	-0.400	0.024	0.369	1.65E-63	0.040	0.015	0.009	0.071	282.864	TRUE	3.20E-57
COPD in ever smokers	NUPR1	cg01542023	rs9934709	T	C	0.151	0.026	0.285	7.19E-09	-0.003	0.017	0.869	0.009	33.464	TRUE	1.45E-08
COPD in ever smokers	NUPR1	cg01803679	rs148016441	A	G	0.548	0.056	0.048	9.27E-23	0.023	0.036	0.530	0.025	96.372	TRUE	1.55E-21
COPD in ever smokers	NUPR1	cg01803679	rs6565261	A	C	0.151	0.026	0.292	6.07E-09	0.000	0.017	0.986	0.009	33.794	TRUE	1.07E-08
COPD in ever smokers	NUPR1	cg01803679	rs78721020	A	G	-0.348	0.063	0.040	3.83E-08	0.001	0.040	0.987	0.008	30.219	TRUE	6.33E-08
COPD in ever smokers	NUPR1	cg05590982	rs149278	C	T	-0.189	0.023	0.452	3.26E-16	-0.040	0.015	0.008	0.018	66.602	TRUE	3.45E-14
COPD in ever smokers	NUPR1	cg15149645	rs17640009	G	A	-0.327	0.024	0.368	7.69E-43	0.039	0.015	0.011	0.048	188.142	TRUE	1.51E-38
COPD in ever smokers	NUPR1	cg16576597	rs17639997	T	G	-0.345	0.041	0.093	3.83E-17	0.006	0.028	0.832	0.019	70.825	TRUE	1.80E-16
COPD in ever smokers	NUPR1	cg16576597	rs4115668	A	G	0.191	0.025	0.353	6.43E-15	0.034	0.016	0.028	0.016	60.733	TRUE	2.96E-13
COPD in ever smokers	OSBPL7	cg02206375	rs17774171	G	A	0.137	0.024	0.430	6.75E-09	-0.036	0.015	0.017	0.009	33.588	TRUE	1.11E-07
COPD in ever smokers	OSBPL7	cg09911755	rs10775406	A	G	0.213	0.027	0.243	6.49E-15	-0.003	0.017	0.855	0.016	60.716	TRUE	2.34E-14
COPD in ever smokers	OSBPL7	cg09911755	rs11652952	T	C	0.931	0.060	0.033	3.89E-55	-0.032	0.044	0.469	0.062	244.476	TRUE	1.05E-51
COPD in ever smokers	OSBPL7	cg09911755	rs2597177	A	G	0.138	0.025	0.335	3.02E-08	0.012	0.016	0.448	0.008	30.676	TRUE	1.00E-07
COPD in ever smokers	OTUB1	cg00769843	rs140536661	G	T	-0.487	0.067	0.031	2.35E-13	-0.079	0.041	0.054	0.014	53.659	TRUE	5.88E-12
COPD in ever smokers	OTUB1	cg03219809	rs3903058	G	A	0.533	0.067	0.031	1.70E-15	-0.067	0.044	0.126	0.017	63.351	TRUE	3.76E-14
COPD in ever smokers	OTUB1	cg03219809	rs728919	C	T	0.175	0.023	0.447	8.01E-14	-0.034	0.015	0.024	0.015	55.772	TRUE	3.24E-12
COPD in ever smokers	OTUB1	cg03741506	rs186618572	G	A	-0.892	0.083	0.016	1.17E-26	-0.090	0.052	0.086	0.030	114.149	TRUE	2.13E-24
COPD in ever smokers	OTUB1	cg03741506	rs476037	A	G	-0.253	0.038	0.106	3.64E-11	-0.017	0.026	0.494	0.012	43.775	TRUE	1.60E-10
COPD in ever smokers	OTUB1	cg03741506	rs76613471	C	T	-0.412	0.048	0.065	1.72E-17	-0.012	0.033	0.715	0.019	72.400	TRUE	1.04E-16
COPD in ever smokers	OTUB1	cg08231730	rs320114	T	C	0.495	0.066	0.032	6.29E-14	-0.074	0.041	0.070	0.015	56.249	TRUE	1.52E-12
COPD in ever smokers	OTUB1	cg08231730	rs483340	G	A	0.233	0.023	0.453	2.37E-23	-0.036	0.015	0.016	0.026	99.075	TRUE	7.55E-21
COPD in ever smokers	OTUB1	cg12836303	rs112466196	A	G	-0.294	0.051	0.050	6.49E-09	0.008	0.031	0.808	0.009	33.664	TRUE	1.42E-08
COPD in ever smokers	OTUB1	cg12836303	rs12417157	T	C	-0.620	0.022	0.421	5.67E-174	-0.026	0.015	0.081	0.176	790.276	TRUE	5.67E-155
COPD in ever smokers	OTUB1	cg12836303	rs143994092	C	T	0.191	0.034	0.116	2.87E-08	0.001	0.022	0.950	0.008	30.777	TRUE	5.00E-08
COPD in ever smokers	OTUB1	cg12836303	rs185027886	A	G	-0.378	0.069	0.025	4.28E-08	-0.058	0.045	0.198	0.008	30.001	TRUE	2.24E-07
COPD in ever smokers	OTUB1	cg12836303	rs530063	C	T	0.175	0.024	0.407	2.17E-13	-0.013	0.015	0.411	0.014	53.813	TRUE	1.47E-12
COPD in ever smokers	OTUB1	cg13692972	rs77631946	A	C	-0.355	0.059	0.095	1.40E-09	0.051	0.026	0.047	0.010	36.642	TRUE	1.84E-08
COPD in ever smokers	PDLIM1	cg02338345	rs11599546	A	G	0.298	0.023	0.490	1.00E-37	-0.036	0.015	0.015	0.043	164.731	TRUE	5.45E-34
COPD in ever smokers	PDLIM1	cg02338345	rs1556054	A	G	0.380	0.044	0.080	3.28E-18	-0.012	0.027	0.665	0.020	75.670	TRUE	2.36E-17
COPD in ever smokers	PDLIM1	cg02338345	rs34409900	G	A	-0.261	0.037	0.106	1.52E-12	0.021	0.023	0.357	0.013	49.998	TRUE	1.03E-11
COPD in ever smokers	PDLIM1	cg08925046	rs10882572	C	A	-0.281	0.024	0.411	1.02E-31	0.034	0.015	0.026	0.036	137.257	TRUE	1.14E-28
COPD in ever smokers	PDLIM1	cg08925046	rs117363163	T	C	0.950	0.157	0.014	1.58E-09	-0.010	0.057	0.863	0.010	36.412	TRUE	3.41E-09
COPD in ever smokers	PDLIM1	cg08925046	rs45535939	C	T	1.070	0.035	0.107	9.03E-211	0.018	0.023	0.435	0.206	959.450	TRUE	1.08E-187
COPD in ever smokers	PDLIM1	cg08925046	rs76672094	A	G	0.224	0.040	0.087	1.71E-08	0.007	0.024	0.760	0.009	31.780	TRUE	3.83E-08
COPD in ever smokers	PDLIM1	cg08925046	rs78496913	C	T	0.543	0.071	0.025	1.59E-14	0.003	0.041	0.940	0.016	58.957	TRUE	4.80E-14
COPD in ever smokers	PDLIM1	cg08925046	rs7917992	G	A	-0.191	0.027	0.259	6.73E-13	-0.022	0.017	0.194	0.014	51.593	TRUE	7.48E-12
COPD in ever smokers	PDLIM1	cg10266121	rs7101278	A	G	0.293	0.026	0.290	2.64E-30	-0.023	0.016	0.168	0.034	130.800	TRUE	4.79E-28
COPD in ever smokers	PDLIM1	cg18389639	rs11599546	A	G	0.181	0.023	0.490	1.14E-14	-0.036	0.015	0.015	0.016	59.606	TRUE	6.76E-13
COPD in ever smokers	PDLIM1	cg18389639	rs1556054	A	G	0.399	0.044	0.080	9.53E-20	-0.012	0.027	0.665	0.022	82.660	TRUE	8.16E-19
COPD in ever smokers	PDLIM1	cg18389639	rs45546031	T	C	-0.264	0.040	0.210	4.70E-11	-0.005	0.019	0.783	0.012	43.275	TRUE	1.30E-10
COPD in ever smokers	PDLIM1	cg18389639	rs61886764	C	T	-0.299	0.053	0.051	1.70E-08	-0.057	0.032	0.079	0.009	31.789	TRUE	1.46E-07

COPD in ever smokers	PDLIM1	cg18389639	rs7907756	T	C	0.315	0.052	0.054	2.07E-09	-0.066	0.033	0.046	0.010	35.888	TRUE	2.65E-08
COPD in ever smokers	PDLIM1	cg19190632	rs6583987	A	C	-0.223	0.026	0.292	4.56E-18	-0.025	0.016	0.132	0.020	75.023	TRUE	1.47E-16
COPD in ever smokers	PDLIM1	cg20714347	rs12415795	T	C	-0.250	0.024	0.411	1.11E-25	0.034	0.015	0.027	0.029	109.692	TRUE	3.90E-23
COPD in ever smokers	PDLIM1	cg20714347	rs12782626	G	A	-0.192	0.035	0.134	4.18E-08	0.045	0.022	0.040	0.008	30.049	TRUE	4.34E-07
COPD in ever smokers	PDLIM1	cg20714347	rs7899746	T	C	0.141	0.023	0.409	2.16E-09	-0.016	0.015	0.285	0.010	35.801	TRUE	1.12E-08
COPD in ever smokers	PDLIM1	cg25968326	rs6583989	T	C	0.304	0.034	0.148	1.50E-19	0.021	0.021	0.320	0.022	81.768	TRUE	2.87E-18
COPD in ever smokers	PHLDA3	cg00962755	rs12097997	G	A	-0.269	0.024	0.344	4.76E-28	-0.034	0.016	0.029	0.032	120.500	TRUE	2.46E-25
COPD in ever smokers	PHLDA3	cg00962755	rs12134525	T	C	-0.402	0.049	0.054	2.81E-16	-0.007	0.030	0.815	0.018	66.896	TRUE	1.24E-15
COPD in ever smokers	PHLDA3	cg00962755	rs4915536	A	G	-0.144	0.026	0.277	4.35E-08	0.017	0.017	0.314	0.008	29.971	TRUE	1.77E-07
COPD in ever smokers	PHLDA3	cg04055835	rs16848610	C	A	0.301	0.047	0.067	2.24E-10	0.003	0.029	0.930	0.011	40.222	TRUE	4.77E-10
COPD in ever smokers	PHLDA3	cg04055835	rs645390	A	G	0.190	0.035	0.117	3.78E-08	0.011	0.021	0.599	0.008	30.245	TRUE	1.00E-07
COPD in ever smokers	PHLDA3	cg04055835	rs654072	A	G	0.214	0.025	0.327	5.33E-18	-0.031	0.016	0.052	0.020	74.715	TRUE	3.12E-16
COPD in ever smokers	PHLDA3	cg18569595	rs11590527	G	A	-0.337	0.024	0.345	1.51E-43	-0.035	0.016	0.026	0.049	191.378	TRUE	1.67E-39
COPD in ever smokers	PHLDA3	cg18569595	rs645390	A	G	-0.239	0.034	0.117	4.26E-12	0.011	0.021	0.599	0.013	47.973	TRUE	1.75E-11
COPD in ever smokers	PIH1D1	cg19216817	rs4801800	A	G	-0.234	0.028	0.234	1.56E-17	-0.031	0.018	0.076	0.019	72.591	TRUE	6.69E-16
COPD in ever smokers	PIH1D1	cg22269913	rs3760670	T	C	-0.334	0.024	0.399	3.90E-45	-0.014	0.015	0.340	0.051	198.648	TRUE	3.30E-42
COPD in ever smokers	PIH1D1	cg26964117	rs11083974	G	A	0.261	0.028	0.234	2.33E-21	-0.033	0.018	0.062	0.024	89.998	TRUE	2.19E-19
COPD in ever smokers	PMAIP1	cg05157251	rs1041978	T	G	-0.421	0.037	0.113	2.60E-30	0.026	0.023	0.255	0.034	130.833	TRUE	3.02E-28
COPD in ever smokers	PMAIP1	cg05157251	rs4293477	T	C	0.297	0.029	0.184	2.05E-24	-0.025	0.019	0.177	0.027	103.915	TRUE	1.40E-22
COPD in ever smokers	PMAIP1	cg05157251	rs4349252	A	C	0.587	0.023	0.334	8.26E-138	-0.032	0.016	0.038	0.144	624.062	TRUE	1.59E-123
COPD in ever smokers	PMAIP1	cg05157251	rs57871113	G	A	0.237	0.026	0.265	2.54E-19	-0.010	0.017	0.549	0.021	80.724	TRUE	2.64E-18
COPD in ever smokers	PMAIP1	cg11957475	rs1041978	T	G	-0.451	0.037	0.113	1.60E-34	0.026	0.023	0.255	0.039	150.076	TRUE	3.58E-32
COPD in ever smokers	PMAIP1	cg11957475	rs145874938	T	C	0.418	0.069	0.030	1.09E-09	-0.009	0.044	0.834	0.010	37.135	TRUE	2.48E-09
COPD in ever smokers	PMAIP1	cg11957475	rs4349252	A	C	0.521	0.024	0.334	5.50E-107	-0.032	0.016	0.038	0.115	482.448	TRUE	1.16E-96
COPD in ever smokers	PMAIP1	cg11957475	rs6567128	T	C	0.246	0.028	0.242	4.74E-19	0.012	0.017	0.504	0.021	79.490	TRUE	5.29E-18
COPD in ever smokers	PMAIP1	cg11957475	rs7228933	C	T	0.141	0.025	0.348	9.42E-09	-0.016	0.016	0.290	0.009	32.940	TRUE	4.42E-08
COPD in ever smokers	PMAIP1	cg11957475	rs7231882	T	C	0.412	0.030	0.180	6.96E-44	-0.014	0.019	0.460	0.050	192.918	TRUE	2.94E-41
COPD in ever smokers	PMAIP1	cg22549408	rs117810628	A	G	0.406	0.069	0.029	4.38E-09	-0.011	0.045	0.812	0.009	34.427	TRUE	9.70E-09
COPD in ever smokers	PMAIP1	cg22549408	rs12955262	G	T	0.267	0.026	0.264	3.42E-24	-0.009	0.017	0.594	0.027	102.906	TRUE	5.84E-23
COPD in ever smokers	PMAIP1	cg22549408	rs17781459	G	A	-0.482	0.037	0.111	8.35E-39	0.029	0.023	0.209	0.044	169.667	TRUE	4.77E-36
COPD in ever smokers	PMAIP1	cg22549408	rs4349252	A	C	0.607	0.023	0.334	1.71E-148	-0.032	0.016	0.038	0.154	673.164	TRUE	1.04E-132
COPD in ever smokers	PMAIP1	cg22549408	rs6567128	T	C	0.173	0.028	0.242	4.04E-10	0.012	0.017	0.504	0.010	39.075	TRUE	1.54E-09
COPD in ever smokers	PMAIP1	cg26681875	rs11659969	G	A	-0.241	0.024	0.383	3.12E-24	0.004	0.015	0.799	0.027	103.087	TRUE	3.37E-23
COPD in ever smokers	PMAIP1	cg26681875	rs12604418	C	T	0.269	0.024	0.348	1.36E-28	-0.017	0.016	0.285	0.032	122.981	TRUE	1.08E-26
COPD in ever smokers	PMAIP1	cg26681875	rs12968474	C	A	0.174	0.029	0.212	2.93E-09	-0.024	0.019	0.187	0.009	35.213	TRUE	1.90E-08
COPD in ever smokers	PMAIP1	cg26681875	rs7231882	T	C	-0.169	0.030	0.180	1.61E-08	-0.014	0.019	0.460	0.009	31.895	TRUE	5.44E-08
COPD in ever smokers	PMAIP1	cg26681875	rs7238894	T	C	-0.146	0.024	0.392	1.03E-09	0.019	0.015	0.223	0.010	37.239	TRUE	6.52E-09
COPD in ever smokers	PMAIP1	cg26681875	rs7240884	G	A	0.230	0.023	0.434	7.32E-23	-0.017	0.015	0.257	0.026	96.839	TRUE	2.79E-21
COPD in ever smokers	PMAIP1	cg26681875	rs78800940	A	G	0.680	0.027	0.227	4.28E-145	-0.029	0.017	0.090	0.151	657.544	TRUE	1.84E-130
COPD in ever smokers	PPT2	cg00086577	rs1042337	G	A	-0.172	0.027	0.253	9.88E-11	0.020	0.017	0.248	0.011	41.822	TRUE	6.79E-10
COPD in ever smokers	PPT2	cg00086577	rs1061118	G	A	-0.176	0.026	0.318	6.34E-12	-0.040	0.016	0.013	0.013	47.195	TRUE	2.24E-10
COPD in ever smokers	PPT2	cg00086577	rs1269839	T	G	-0.604	0.050	0.055	4.06E-34	0.077	0.032	0.015	0.039	148.230	TRUE	1.05E-30

COPD in ever smokers	PPT2	cg00086577	rs151719	C	T	-0.203	0.027	0.248	6.05E-14	0.028	0.017	0.103	0.015	56.326	TRUE	1.18E-12
COPD in ever smokers	PPT2	cg00086577	rs17843607	G	A	-0.226	0.023	0.472	1.29E-22	-0.047	0.015	0.002	0.025	95.725	TRUE	9.76E-20
COPD in ever smokers	PPT2	cg00086577	rs201415661	T	C	0.346	0.051	0.147	1.17E-11	0.084	0.022	1.21E-04	0.012	46.003	TRUE	1.62E-09
COPD in ever smokers	PPT2	cg00086577	rs2596464	T	C	-0.146	0.024	0.464	5.13E-10	-0.029	0.015	0.055	0.010	38.607	TRUE	6.83E-09
COPD in ever smokers	PPT2	cg00086577	rs3130283	A	C	-0.672	0.031	0.161	1.57E-103	-0.028	0.021	0.173	0.112	466.579	TRUE	1.12E-94
COPD in ever smokers	PPT2	cg00086577	rs3131627	A	G	-0.228	0.024	0.404	1.88E-21	-0.014	0.015	0.355	0.024	90.419	TRUE	4.22E-20
COPD in ever smokers	PPT2	cg00086577	rs34137317	T	C	-0.547	0.096	0.020	1.37E-08	0.077	0.055	0.160	0.009	32.207	TRUE	8.68E-08
COPD in ever smokers	PPT2	cg00086577	rs397515530	A	G	0.186	0.026	0.297	6.38E-13	-0.028	0.016	0.084	0.014	51.699	TRUE	1.17E-11
COPD in ever smokers	PPT2	cg00086577	rs71534539	A	G	0.251	0.032	0.441	1.75E-15	0.013	0.016	0.439	0.017	63.295	TRUE	1.45E-14
COPD in ever smokers	PPT2	cg00086577	rs7770045	G	T	0.144	0.024	0.451	8.06E-10	-0.062	0.015	3.25E-05	0.010	37.725	TRUE	8.71E-08
COPD in ever smokers	PPT2	cg00086577	rs805825	A	G	0.302	0.024	0.445	3.63E-37	0.037	0.015	0.014	0.042	162.174	TRUE	1.82E-33
COPD in ever smokers	PPT2	cg00086577	rs909253	G	A	0.311	0.024	0.360	1.08E-37	0.025	0.015	0.107	0.043	164.589	TRUE	1.07E-34
COPD in ever smokers	PPT2	cg00086577	rs9264642	T	C	-0.142	0.024	0.393	5.68E-09	0.059	0.015	9.48E-05	0.009	33.924	TRUE	3.73E-07
COPD in ever smokers	PPT2	cg00086577	rs9265494	C	T	0.235	0.025	0.336	3.05E-20	0.025	0.017	0.133	0.022	84.909	TRUE	1.38E-18
COPD in ever smokers	PPT2	cg00086577	rs9268202	T	C	0.294	0.028	0.231	3.03E-26	0.068	0.018	9.83E-05	0.029	112.264	TRUE	1.96E-22
COPD in ever smokers	PPT2	cg00086577	rs9270505	A	G	-0.319	0.023	0.424	5.25E-42	-0.012	0.015	0.412	0.047	184.321	TRUE	1.97E-39
COPD in ever smokers	PPT2	cg00086577	rs9272777	T	C	0.217	0.024	0.361	1.25E-19	-0.057	0.016	3.35E-04	0.022	82.130	TRUE	1.01E-16
COPD in ever smokers	PPT2	cg00086577	rs9276816	T	C	0.221	0.024	0.423	1.00E-20	0.008	0.015	0.597	0.023	87.112	TRUE	1.11E-19
COPD in ever smokers	PPT2	cg00086577	rs9501404	A	G	-0.301	0.033	0.163	2.49E-20	-0.018	0.023	0.433	0.023	85.311	TRUE	3.89E-19
COPD in ever smokers	PPT2	cg00110832	rs3130284	C	T	-0.184	0.027	0.236	2.15E-11	0.070	0.017	4.92E-05	0.012	44.807	TRUE	3.45E-09
COPD in ever smokers	PPT2	cg00552704	rs3130284	C	T	-0.283	0.027	0.236	4.55E-25	0.070	0.017	4.92E-05	0.028	106.896	TRUE	2.88E-21
COPD in ever smokers	PPT2	cg00552704	rs35915063	G	A	0.187	0.032	0.171	2.96E-09	-0.084	0.020	2.23E-05	0.009	35.193	TRUE	2.87E-07
COPD in ever smokers	PPT2	cg00552704	rs6906662	A	G	-0.276	0.049	0.062	2.09E-08	0.027	0.031	0.373	0.008	31.395	TRUE	7.98E-08
COPD in ever smokers	PPT2	cg00552704	rs9267817	A	G	0.488	0.029	0.212	1.53E-65	-0.008	0.018	0.665	0.073	292.192	TRUE	1.25E-61
COPD in ever smokers	PPT2	cg00933538	rs115884658	A	G	0.645	0.092	0.021	1.80E-12	-0.035	0.054	0.521	0.013	49.661	TRUE	8.80E-12
COPD in ever smokers	PPT2	cg00933538	rs116416438	A	G	0.523	0.077	0.021	1.42E-11	-0.004	0.052	0.932	0.012	45.613	TRUE	3.35E-11
COPD in ever smokers	PPT2	cg00933538	rs2854260	T	C	0.295	0.032	0.169	5.40E-20	-0.087	0.020	2.02E-05	0.022	83.782	TRUE	1.24E-16
COPD in ever smokers	PPT2	cg00933538	rs3130284	C	T	-0.321	0.027	0.236	6.57E-32	0.070	0.017	4.92E-05	0.036	138.130	TRUE	2.26E-27
COPD in ever smokers	PPT2	cg00933538	rs3213490	T	C	0.186	0.023	0.447	2.10E-15	-0.062	0.015	3.18E-05	0.017	62.934	TRUE	1.20E-12
COPD in ever smokers	PPT2	cg00933538	rs707930	T	C	0.254	0.024	0.464	1.32E-26	-0.016	0.015	0.271	0.030	113.915	TRUE	8.23E-25
COPD in ever smokers	PPT2	cg00933538	rs9267817	A	G	0.763	0.028	0.212	1.04E-168	-0.008	0.018	0.665	0.172	766.087	TRUE	5.03E-153
COPD in ever smokers	PPT2	cg01111041	rs1269839	T	G	0.317	0.050	0.055	2.24E-10	0.077	0.032	0.015	0.011	40.225	TRUE	5.30E-09
COPD in ever smokers	PPT2	cg02956248	rs3130283	A	C	0.261	0.032	0.161	2.57E-16	-0.028	0.021	0.173	0.018	67.070	TRUE	5.19E-15
COPD in ever smokers	PPT2	cg03434432	rs151719	C	T	-0.310	0.027	0.248	7.99E-31	0.028	0.017	0.103	0.035	133.172	TRUE	2.53E-28
COPD in ever smokers	PPT2	cg03434432	rs176095	G	A	0.278	0.026	0.259	1.00E-25	0.084	0.017	5.40E-07	0.029	109.894	TRUE	3.45E-21
COPD in ever smokers	PPT2	cg03434432	rs17843607	G	A	-0.395	0.023	0.472	6.53E-68	-0.047	0.015	0.002	0.076	303.063	TRUE	1.30E-60
COPD in ever smokers	PPT2	cg03434432	rs2308575	T	C	0.181	0.027	0.247	1.65E-11	-0.049	0.018	0.007	0.012	45.320	TRUE	6.58E-10
COPD in ever smokers	PPT2	cg03434432	rs241447	C	T	0.172	0.028	0.242	4.51E-10	-0.018	0.017	0.295	0.010	38.859	TRUE	2.52E-09
COPD in ever smokers	PPT2	cg03434432	rs3130283	A	C	-1.178	0.025	0.161	<1E-200	-0.028	0.021	0.173	0.368	2152.006	TRUE	<1E-200
COPD in ever smokers	PPT2	cg03434432	rs3130934	A	C	-0.384	0.025	0.316	1.48E-51	-0.038	0.016	0.018	0.058	228.066	TRUE	1.12E-46
COPD in ever smokers	PPT2	cg03434432	rs3131627	A	G	-0.331	0.024	0.404	2.53E-44	-0.014	0.015	0.355	0.050	194.931	TRUE	1.75E-41
COPD in ever smokers	PPT2	cg03434432	rs34137317	T	C	-0.985	0.096	0.020	8.43E-25	0.077	0.055	0.160	0.028	105.677	TRUE	6.68E-23

COPD in ever smokers	PPT2	cg03434432	rs3819306	G	A	0.159	0.024	0.382	3.03E-11	-0.030	0.016	0.057	0.012	44.131	TRUE	5.04E-10
COPD in ever smokers	PPT2	cg03434432	rs41316200	T	C	0.224	0.031	0.171	8.26E-13	-0.086	0.021	5.34E-05	0.014	51.192	TRUE	1.97E-10
COPD in ever smokers	PPT2	cg03434432	rs41542719	C	T	0.191	0.026	0.294	1.00E-13	0.006	0.017	0.737	0.015	55.332	TRUE	3.90E-13
COPD in ever smokers	PPT2	cg03434432	rs429608	A	G	0.207	0.032	0.156	1.10E-10	0.018	0.020	0.383	0.011	41.604	TRUE	5.60E-10
COPD in ever smokers	PPT2	cg03434432	rs71536546	T	C	-0.424	0.035	0.474	4.76E-33	0.063	0.018	4.71E-04	0.037	143.340	TRUE	7.59E-29
COPD in ever smokers	PPT2	cg03434432	rs805825	A	G	0.302	0.024	0.445	2.82E-37	0.037	0.015	0.014	0.042	162.674	TRUE	1.45E-33
COPD in ever smokers	PPT2	cg03434432	rs9264626	T	C	-0.299	0.024	0.364	2.57E-34	0.061	0.016	1.11E-04	0.039	149.134	TRUE	1.10E-29
COPD in ever smokers	PPT2	cg03434432	rs9267817	A	G	0.202	0.029	0.212	3.03E-12	-0.008	0.018	0.665	0.013	48.643	TRUE	1.13E-11
COPD in ever smokers	PPT2	cg03434432	rs9267857	G	A	0.272	0.024	0.417	6.10E-31	0.017	0.015	0.257	0.035	133.710	TRUE	7.73E-29
COPD in ever smokers	PPT2	cg03434432	rs9269020	G	A	0.259	0.023	0.404	2.68E-28	0.008	0.016	0.625	0.032	121.640	TRUE	7.14E-27
COPD in ever smokers	PPT2	cg03434432	rs9270171	A	C	-0.341	0.023	0.473	4.38E-49	-0.027	0.016	0.095	0.055	216.740	TRUE	3.95E-45
COPD in ever smokers	PPT2	cg03434432	rs9273748	A	C	0.238	0.038	0.104	2.36E-10	0.075	0.027	0.006	0.011	40.123	TRUE	7.73E-09
COPD in ever smokers	PPT2	cg03434432	rs9274096	C	A	0.267	0.024	0.365	4.68E-28	0.045	0.015	0.003	0.032	120.534	TRUE	9.12E-25
COPD in ever smokers	PPT2	cg03434432	rs9276579	A	G	-0.272	0.023	0.454	4.07E-32	0.042	0.015	0.006	0.036	139.084	TRUE	1.33E-28
COPD in ever smokers	PPT2	cg03434432	rs9501404	A	G	-0.536	0.032	0.163	1.98E-62	-0.018	0.023	0.433	0.070	277.915	TRUE	2.36E-58
COPD in ever smokers	PPT2	cg03995156	rs1269839	T	G	-0.353	0.050	0.055	1.43E-12	0.077	0.032	0.015	0.013	50.114	TRUE	5.40E-11
COPD in ever smokers	PPT2	cg03995156	rs3130283	A	C	-0.472	0.032	0.161	1.54E-50	-0.028	0.021	0.173	0.057	223.401	TRUE	8.79E-47
COPD in ever smokers	PPT2	cg03995156	rs397515530	A	G	0.160	0.026	0.297	5.79E-10	-0.028	0.016	0.084	0.010	38.369	TRUE	6.31E-09
COPD in ever smokers	PPT2	cg03995156	rs805825	A	G	0.197	0.024	0.445	1.56E-16	0.037	0.015	0.014	0.018	68.055	TRUE	1.37E-14
COPD in ever smokers	PPT2	cg03995156	rs9264642	T	C	-0.135	0.024	0.393	2.62E-08	0.059	0.015	9.48E-05	0.008	30.953	TRUE	1.39E-06
COPD in ever smokers	PPT2	cg03995156	rs9270505	A	G	-0.192	0.024	0.424	5.16E-16	-0.012	0.015	0.412	0.017	65.698	TRUE	4.86E-15
COPD in ever smokers	PPT2	cg03995156	rs9272777	T	C	0.174	0.024	0.361	3.59E-13	-0.057	0.016	3.35E-04	0.014	52.828	TRUE	5.75E-11
COPD in ever smokers	PPT2	cg03995156	rs9276816	T	C	0.138	0.024	0.423	5.69E-09	0.008	0.015	0.597	0.009	33.921	TRUE	1.65E-08
COPD in ever smokers	PPT2	cg04105091	rs3130348	A	C	-0.232	0.027	0.237	2.63E-17	0.069	0.017	6.46E-05	0.019	71.569	TRUE	2.06E-14
COPD in ever smokers	PPT2	cg04105091	rs9267817	A	G	0.371	0.029	0.212	5.68E-38	-0.008	0.018	0.665	0.043	165.858	TRUE	5.05E-36
COPD in ever smokers	PPT2	cg04536704	rs151719	C	T	-0.176	0.027	0.248	6.97E-11	0.028	0.017	0.103	0.011	42.504	TRUE	8.12E-10
COPD in ever smokers	PPT2	cg04536704	rs3130283	A	C	-0.539	0.031	0.161	2.04E-66	-0.028	0.021	0.173	0.074	296.202	TRUE	2.59E-61
COPD in ever smokers	PPT2	cg04536704	rs3130284	C	T	0.263	0.027	0.236	6.99E-22	0.070	0.017	4.92E-05	0.024	92.377	TRUE	1.97E-18
COPD in ever smokers	PPT2	cg04536704	rs3131627	A	G	-0.190	0.024	0.404	1.46E-15	-0.014	0.015	0.355	0.017	63.653	TRUE	1.48E-14
COPD in ever smokers	PPT2	cg04536704	rs743401	C	T	-0.159	0.024	0.404	1.89E-11	-0.042	0.015	0.006	0.012	45.062	TRUE	8.06E-10
COPD in ever smokers	PPT2	cg04536704	rs7755290	G	A	-0.273	0.050	0.054	4.74E-08	0.067	0.032	0.036	0.008	29.805	TRUE	5.04E-07
COPD in ever smokers	PPT2	cg04536704	rs805825	A	G	0.237	0.024	0.445	1.94E-23	0.037	0.015	0.014	0.026	99.465	TRUE	6.65E-21
COPD in ever smokers	PPT2	cg04536704	rs9265494	C	T	0.206	0.025	0.336	4.75E-16	0.025	0.017	0.133	0.017	65.860	TRUE	1.11E-14
COPD in ever smokers	PPT2	cg04536704	rs9270505	A	G	-0.232	0.024	0.424	7.17E-23	-0.012	0.015	0.412	0.026	96.882	TRUE	1.65E-21
COPD in ever smokers	PPT2	cg04536704	rs9274096	C	A	0.165	0.024	0.365	1.13E-11	0.045	0.015	0.003	0.012	46.057	TRUE	6.16E-10
COPD in ever smokers	PPT2	cg04536704	rs9276816	T	C	0.138	0.024	0.423	4.97E-09	0.008	0.015	0.597	0.009	34.184	TRUE	1.45E-08
COPD in ever smokers	PPT2	cg04536704	rs9501404	A	G	-0.264	0.033	0.163	4.89E-16	-0.018	0.023	0.433	0.017	65.806	TRUE	4.40E-15
COPD in ever smokers	PPT2	cg04749507	rs1573648	A	G	-0.132	0.024	0.456	2.13E-08	-0.040	0.015	0.008	0.008	31.353	TRUE	4.03E-07
COPD in ever smokers	PPT2	cg04749507	rs576791046	G	A	-0.262	0.045	0.087	8.50E-09	0.015	0.028	0.579	0.009	33.139	TRUE	2.49E-08
COPD in ever smokers	PPT2	cg04749507	rs9267817	A	G	-0.445	0.029	0.212	1.05E-54	-0.008	0.018	0.665	0.062	242.497	TRUE	1.26E-51
COPD in ever smokers	PPT2	cg04856022	rs1269839	T	G	-0.307	0.050	0.055	8.37E-10	0.077	0.032	0.015	0.010	37.652	TRUE	1.75E-08
COPD in ever smokers	PPT2	cg04856022	rs151719	C	T	-0.151	0.027	0.248	2.31E-08	0.028	0.017	0.103	0.008	31.196	TRUE	1.73E-07

COPD in ever smokers	PPT2	cg04856022	rs17843619	C	A	-0.182	0.023	0.496	3.73E-15	-0.046	0.015	0.003	0.016	61.806	TRUE	5.01E-13
COPD in ever smokers	PPT2	cg04856022	rs3130283	A	C	-0.577	0.031	0.161	1.19E-75	-0.028	0.021	0.173	0.084	338.570	TRUE	1.08E-69
COPD in ever smokers	PPT2	cg04856022	rs3131627	A	G	-0.196	0.024	0.404	2.21E-16	-0.014	0.015	0.355	0.018	67.368	TRUE	2.51E-15
COPD in ever smokers	PPT2	cg04856022	rs3134944	T	C	0.293	0.027	0.237	1.06E-26	0.070	0.017	6.03E-05	0.030	114.349	TRUE	9.29E-23
COPD in ever smokers	PPT2	cg04856022	rs805825	A	G	0.243	0.024	0.445	1.60E-24	0.037	0.015	0.014	0.027	104.403	TRUE	6.77E-22
COPD in ever smokers	PPT2	cg04856022	rs9265494	C	T	0.210	0.025	0.336	1.37E-16	0.025	0.017	0.133	0.018	68.308	TRUE	3.48E-15
COPD in ever smokers	PPT2	cg04856022	rs9270505	A	G	-0.229	0.024	0.424	2.71E-22	-0.012	0.015	0.412	0.025	94.251	TRUE	5.78E-21
COPD in ever smokers	PPT2	cg04856022	rs9274096	C	A	0.160	0.024	0.365	4.88E-11	0.045	0.015	0.003	0.012	43.203	TRUE	2.27E-09
COPD in ever smokers	PPT2	cg04856022	rs9276816	T	C	0.167	0.024	0.423	1.99E-12	0.008	0.015	0.597	0.013	49.465	TRUE	8.49E-12
COPD in ever smokers	PPT2	cg04856022	rs9501404	A	G	-0.277	0.033	0.163	1.78E-17	-0.018	0.023	0.433	0.019	72.331	TRUE	1.93E-16
COPD in ever smokers	PPT2	cg04877280	rs2763979	T	C	0.147	0.025	0.351	2.80E-09	0.030	0.015	0.054	0.009	35.297	TRUE	3.28E-08
COPD in ever smokers	PPT2	cg04877280	rs3130283	A	C	-0.319	0.032	0.161	7.18E-24	-0.028	0.021	0.173	0.027	101.436	TRUE	4.60E-22
COPD in ever smokers	PPT2	cg05133205	rs112696801	A	G	0.316	0.055	0.054	9.80E-09	-0.049	0.045	0.274	0.009	32.864	TRUE	4.75E-08
COPD in ever smokers	PPT2	cg05133205	rs3130348	A	C	-0.309	0.027	0.237	1.11E-29	0.069	0.017	6.46E-05	0.033	127.959	TRUE	1.97E-25
COPD in ever smokers	PPT2	cg05133205	rs6906662	A	G	-0.276	0.049	0.062	2.19E-08	0.027	0.031	0.373	0.008	31.304	TRUE	8.34E-08
COPD in ever smokers	PPT2	cg05133205	rs9267817	A	G	0.407	0.029	0.212	1.00E-45	-0.008	0.018	0.665	0.052	201.349	TRUE	2.82E-43
COPD in ever smokers	PPT2	cg05133205	rs9269017	A	G	-0.164	0.029	0.198	2.30E-08	0.068	0.021	0.001	0.008	31.207	TRUE	6.99E-07
COPD in ever smokers	PPT2	cg05133205	rs9274096	C	A	-0.153	0.024	0.365	3.64E-10	0.045	0.015	0.003	0.011	39.275	TRUE	1.37E-08
COPD in ever smokers	PPT2	cg05323467	rs9267817	A	G	0.214	0.029	0.212	9.32E-14	-0.008	0.018	0.665	0.015	55.477	TRUE	4.10E-13
COPD in ever smokers	PPT2	cg06025456	rs6457535	A	G	0.198	0.032	0.158	4.32E-10	-0.022	0.021	0.295	0.010	38.942	TRUE	2.42E-09
COPD in ever smokers	PPT2	cg06108383	rs3130283	A	C	0.264	0.032	0.161	1.09E-16	-0.028	0.021	0.173	0.018	68.758	TRUE	2.33E-15
COPD in ever smokers	PPT2	cg06264679	rs112696801	A	G	0.361	0.055	0.054	6.08E-11	-0.049	0.045	0.274	0.011	42.771	TRUE	4.04E-10
COPD in ever smokers	PPT2	cg06264679	rs116416438	A	G	0.445	0.078	0.021	9.86E-09	-0.004	0.052	0.932	0.009	32.850	TRUE	1.83E-08
COPD in ever smokers	PPT2	cg06264679	rs2243873	C	A	-0.143	0.024	0.459	2.38E-09	0.024	0.015	0.101	0.010	35.612	TRUE	2.15E-08
COPD in ever smokers	PPT2	cg06264679	rs3130284	C	T	-0.271	0.027	0.236	4.71E-23	0.070	0.017	4.92E-05	0.026	97.712	TRUE	1.79E-19
COPD in ever smokers	PPT2	cg06264679	rs6457646	A	G	0.136	0.023	0.447	6.79E-09	-0.062	0.015	3.18E-05	0.009	33.575	TRUE	5.45E-07
COPD in ever smokers	PPT2	cg06264679	rs9267817	A	G	0.542	0.028	0.212	4.40E-81	-0.008	0.018	0.665	0.089	363.506	TRUE	7.72E-76
COPD in ever smokers	PPT2	cg06814287	rs2596464	T	C	0.137	0.024	0.464	5.58E-09	-0.029	0.015	0.055	0.009	33.958	TRUE	6.08E-08
COPD in ever smokers	PPT2	cg06814287	rs3130283	A	C	0.262	0.032	0.161	1.99E-16	-0.028	0.021	0.173	0.018	67.575	TRUE	4.09E-15
COPD in ever smokers	PPT2	cg06814287	rs3130284	C	T	-0.258	0.027	0.236	4.79E-21	0.070	0.017	4.92E-05	0.023	88.567	TRUE	1.09E-17
COPD in ever smokers	PPT2	cg06814287	rs3957147	T	C	-0.203	0.030	0.188	2.66E-11	0.061	0.019	0.002	0.012	44.390	TRUE	1.67E-09
COPD in ever smokers	PPT2	cg06814287	rs76483802	G	A	-0.136	0.025	0.335	4.28E-08	0.049	0.016	0.003	0.008	30.002	TRUE	1.01E-06
COPD in ever smokers	PPT2	cg06814287	rs805825	A	G	-0.130	0.024	0.445	4.90E-08	0.037	0.015	0.014	0.008	29.741	TRUE	7.06E-07
COPD in ever smokers	PPT2	cg06814287	rs909253	G	A	-0.137	0.024	0.360	1.98E-08	0.025	0.015	0.107	0.008	31.495	TRUE	1.48E-07
COPD in ever smokers	PPT2	cg06832687	rs151719	C	T	-0.159	0.027	0.248	4.00E-09	0.028	0.017	0.103	0.009	34.603	TRUE	3.43E-08
COPD in ever smokers	PPT2	cg06832687	rs3130283	A	C	-0.524	0.031	0.161	1.14E-62	-0.028	0.021	0.173	0.070	279.013	TRUE	6.75E-58
COPD in ever smokers	PPT2	cg06832687	rs3130934	A	C	-0.163	0.026	0.316	2.20E-10	-0.038	0.016	0.018	0.011	40.259	TRUE	4.89E-09
COPD in ever smokers	PPT2	cg06832687	rs805825	A	G	0.190	0.024	0.445	1.60E-15	0.037	0.015	0.014	0.017	63.465	TRUE	1.15E-13
COPD in ever smokers	PPT2	cg06832687	rs9265494	C	T	0.146	0.025	0.336	9.57E-09	0.025	0.017	0.133	0.009	32.909	TRUE	6.79E-08
COPD in ever smokers	PPT2	cg06832687	rs9270505	A	G	-0.176	0.024	0.424	7.81E-14	-0.012	0.015	0.412	0.015	55.822	TRUE	5.57E-13
COPD in ever smokers	PPT2	cg06832687	rs9273710	G	A	-0.172	0.023	0.475	2.15E-13	-0.048	0.015	0.002	0.014	53.834	TRUE	2.19E-11
COPD in ever smokers	PPT2	cg06832687	rs9276816	T	C	0.137	0.024	0.423	7.00E-09	0.008	0.015	0.597	0.009	33.518	TRUE	2.02E-08

COPD in ever smokers	PPT2	cg06832687	rs9501404	A	G	-0.211	0.033	0.163	9.75E-11	-0.018	0.023	0.433	0.011	41.848	TRUE	4.53E-10
COPD in ever smokers	PPT2	cg06902929	rs1269839	T	G	-0.423	0.050	0.055	1.69E-17	0.077	0.032	0.015	0.019	72.440	TRUE	1.72E-15
COPD in ever smokers	PPT2	cg06902929	rs184006295	T	C	-0.194	0.033	0.130	5.99E-09	0.065	0.022	0.004	0.009	33.820	TRUE	1.59E-07
COPD in ever smokers	PPT2	cg06902929	rs9267817	A	G	0.161	0.029	0.212	2.71E-08	-0.008	0.018	0.665	0.008	30.890	TRUE	6.69E-08
COPD in ever smokers	PPT2	cg06902929	rs9270118	C	T	-0.165	0.024	0.344	1.88E-11	0.005	0.018	0.757	0.012	45.067	TRUE	5.63E-11
COPD in ever smokers	PPT2	cg08057899	rs201415661	T	C	-0.308	0.051	0.147	1.66E-09	0.084	0.022	1.21E-04	0.010	36.315	TRUE	1.22E-07
COPD in ever smokers	PPT2	cg08057899	rs3134944	T	C	-0.250	0.027	0.237	3.02E-20	0.070	0.017	6.03E-05	0.022	84.930	TRUE	5.21E-17
COPD in ever smokers	PPT2	cg08057899	rs9270455	C	T	0.218	0.036	0.484	2.42E-09	-0.051	0.016	0.002	0.010	35.586	TRUE	8.57E-08
COPD in ever smokers	PPT2	cg08295094	rs1055890	G	A	0.162	0.025	0.356	4.91E-11	-0.038	0.016	0.016	0.012	43.189	TRUE	1.34E-09
COPD in ever smokers	PPT2	cg08295094	rs111301312	G	T	-0.443	0.059	0.039	5.14E-14	-0.018	0.038	0.644	0.015	56.644	TRUE	2.41E-13
COPD in ever smokers	PPT2	cg08295094	rs1419881	A	G	-0.190	0.023	0.488	2.91E-16	0.067	0.015	7.67E-06	0.018	66.827	TRUE	3.13E-13
COPD in ever smokers	PPT2	cg08295094	rs2243873	C	A	-0.215	0.024	0.459	1.16E-19	0.024	0.015	0.101	0.022	82.276	TRUE	5.85E-18
COPD in ever smokers	PPT2	cg08295094	rs2395191	T	C	0.191	0.025	0.357	1.17E-14	-0.025	0.016	0.125	0.016	59.547	TRUE	2.28E-13
COPD in ever smokers	PPT2	cg08295094	rs3130348	A	C	-0.636	0.026	0.237	2.71E-129	0.069	0.017	6.46E-05	0.137	584.928	TRUE	5.54E-113
COPD in ever smokers	PPT2	cg08295094	rs41543814	T	C	0.196	0.024	0.417	1.24E-16	-0.027	0.015	0.076	0.018	68.516	TRUE	4.53E-15
COPD in ever smokers	PPT2	cg08295094	rs522254	G	A	0.215	0.028	0.207	2.81E-14	-0.050	0.018	0.004	0.015	57.833	TRUE	2.51E-12
COPD in ever smokers	PPT2	cg08295094	rs536078405	A	C	-0.273	0.044	0.167	6.27E-10	0.058	0.024	0.018	0.010	38.216	TRUE	1.28E-08
COPD in ever smokers	PPT2	cg08295094	rs71543427	A	C	-0.500	0.077	0.024	1.05E-10	0.070	0.051	0.167	0.011	41.698	TRUE	9.16E-10
COPD in ever smokers	PPT2	cg08295094	rs9265494	C	T	-0.153	0.025	0.336	1.62E-09	0.025	0.017	0.133	0.010	36.361	TRUE	1.31E-08
COPD in ever smokers	PPT2	cg08295094	rs9266225	C	T	0.152	0.026	0.310	3.63E-09	-0.010	0.016	0.556	0.009	34.794	TRUE	1.14E-08
COPD in ever smokers	PPT2	cg08295094	rs9267817	A	G	0.190	0.029	0.212	4.04E-11	-0.008	0.018	0.665	0.012	43.571	TRUE	1.34E-10
COPD in ever smokers	PPT2	cg08295094	rs9269271	C	T	-0.302	0.041	0.283	1.06E-13	0.027	0.018	0.139	0.015	55.214	TRUE	1.66E-12
COPD in ever smokers	PPT2	cg08295094	rs9273325	A	G	-0.324	0.032	0.150	1.15E-24	0.082	0.019	2.55E-05	0.028	105.065	TRUE	8.32E-21
COPD in ever smokers	PPT2	cg08295094	rs9273544	A	G	0.237	0.023	0.451	9.59E-25	-0.043	0.015	0.005	0.028	105.421	TRUE	7.30E-22
COPD in ever smokers	PPT2	cg08295094	rs9274096	C	A	-0.175	0.024	0.365	5.57E-13	0.045	0.015	0.003	0.014	51.964	TRUE	4.12E-11
COPD in ever smokers	PPT2	cg10551329	rs3130283	A	C	0.182	0.032	0.161	1.07E-08	-0.028	0.021	0.173	0.009	32.689	TRUE	6.63E-08
COPD in ever smokers	PPT2	cg11122280	rs1269839	T	G	0.483	0.050	0.055	1.72E-22	0.077	0.032	0.015	0.025	95.154	TRUE	4.64E-20
COPD in ever smokers	PPT2	cg11386011	rs9267817	A	G	0.165	0.029	0.212	1.35E-08	-0.008	0.018	0.665	0.009	32.246	TRUE	3.43E-08
COPD in ever smokers	PPT2	cg11941520	rs176095	G	A	-0.180	0.027	0.259	1.24E-11	0.084	0.017	5.40E-07	0.012	45.889	TRUE	5.59E-09
COPD in ever smokers	PPT2	cg11941520	rs2854260	T	C	0.219	0.032	0.169	1.19E-11	-0.087	0.020	2.02E-05	0.012	45.955	TRUE	2.55E-09
COPD in ever smokers	PPT2	cg11941520	rs9267817	A	G	0.502	0.029	0.212	2.19E-69	-0.008	0.018	0.665	0.077	309.825	TRUE	3.68E-65
COPD in ever smokers	PPT2	cg12585943	rs3130348	A	C	-0.263	0.027	0.237	6.97E-22	0.069	0.017	6.46E-05	0.024	92.383	TRUE	1.79E-18
COPD in ever smokers	PPT2	cg12585943	rs9267817	A	G	0.449	0.029	0.212	1.27E-55	-0.008	0.018	0.665	0.063	246.711	TRUE	1.77E-52
COPD in ever smokers	PPT2	cg12738718	rs3130348	A	C	-0.186	0.028	0.237	1.48E-11	0.069	0.017	6.46E-05	0.012	45.531	TRUE	2.34E-09
COPD in ever smokers	PPT2	cg12738718	rs805825	A	G	-0.145	0.024	0.445	1.22E-09	0.037	0.015	0.014	0.010	36.921	TRUE	2.53E-08
COPD in ever smokers	PPT2	cg12738718	rs9267817	A	G	0.257	0.029	0.212	5.94E-19	-0.008	0.018	0.665	0.021	79.044	TRUE	4.65E-18
COPD in ever smokers	PPT2	cg12883279	rs1061808	T	G	0.147	0.024	0.377	1.07E-09	-0.043	0.015	0.005	0.010	37.182	TRUE	3.15E-08
COPD in ever smokers	PPT2	cg13102294	rs3134947	T	C	-0.264	0.027	0.237	5.81E-22	0.069	0.017	6.87E-05	0.024	92.741	TRUE	1.49E-18
COPD in ever smokers	PPT2	cg13102294	rs41264356	G	A	0.276	0.047	0.162	3.89E-09	-0.086	0.020	2.04E-05	0.009	34.659	TRUE	3.69E-07
COPD in ever smokers	PPT2	cg13102294	rs9267817	A	G	0.476	0.029	0.212	1.78E-62	-0.008	0.018	0.665	0.070	278.133	TRUE	8.26E-59
COPD in ever smokers	PPT2	cg13934406	rs3117578	A	G	0.205	0.032	0.153	1.43E-10	-0.009	0.021	0.651	0.011	41.096	TRUE	4.58E-10
COPD in ever smokers	PPT2	cg14130039	rs3130348	A	C	-0.205	0.027	0.237	8.52E-14	0.069	0.017	6.46E-05	0.015	55.652	TRUE	2.56E-11

COPD in ever smokers	PPT2	cg14130039	rs9267817	A	G	0.289	0.029	0.212	1.62E-23	-0.008	0.018	0.665	0.026	99.830	TRUE	2.16E-22
COPD in ever smokers	PPT2	cg14237933	rs9267817	A	G	0.227	0.028	0.212	1.32E-15	-0.008	0.018	0.665	0.017	63.856	TRUE	7.08E-15
COPD in ever smokers	PPT2	cg15755475	rs116329723	G	T	-1.085	0.104	0.015	1.37E-25	-0.034	0.064	0.599	0.029	109.282	TRUE	2.75E-24
COPD in ever smokers	PPT2	cg15755475	rs1269839	T	G	-1.575	0.044	0.055	5.20E-284	0.077	0.032	0.015	0.259	1296.250	TRUE	5.60E-243
COPD in ever smokers	PPT2	cg15755475	rs1419881	A	G	-0.197	0.023	0.488	3.10E-17	0.067	0.015	7.67E-06	0.019	71.243	TRUE	4.41E-14
COPD in ever smokers	PPT2	cg15755475	rs17879746	T	C	-0.555	0.039	0.125	1.11E-46	0.065	0.025	0.008	0.053	205.725	TRUE	5.88E-42
COPD in ever smokers	PPT2	cg15755475	rs187764	T	C	-0.490	0.046	0.068	4.81E-26	0.039	0.030	0.193	0.029	111.351	TRUE	3.90E-24
COPD in ever smokers	PPT2	cg15755475	rs2261033	G	A	0.203	0.024	0.418	1.00E-17	-0.067	0.015	8.53E-06	0.019	73.472	TRUE	1.59E-14
COPD in ever smokers	PPT2	cg15755475	rs2516466	T	G	0.145	0.024	0.446	7.51E-10	-0.024	0.015	0.103	0.010	37.864	TRUE	7.28E-09
COPD in ever smokers	PPT2	cg15755475	rs28366128	C	A	-0.210	0.025	0.307	1.21E-16	-0.003	0.016	0.869	0.018	68.556	TRUE	5.06E-16
COPD in ever smokers	PPT2	cg15755475	rs28366176	G	T	-0.443	0.031	0.152	1.77E-46	0.011	0.020	0.565	0.052	204.802	TRUE	7.77E-44
COPD in ever smokers	PPT2	cg15755475	rs3210176	C	T	-0.165	0.024	0.299	7.71E-12	0.095	0.016	9.98E-10	0.012	46.813	TRUE	1.12E-08
COPD in ever smokers	PPT2	cg15755475	rs41543814	T	C	-0.158	0.024	0.417	2.86E-11	-0.027	0.015	0.076	0.012	44.247	TRUE	4.14E-10
COPD in ever smokers	PPT2	cg15755475	rs547911246	G	A	-0.253	0.026	0.256	7.58E-22	0.003	0.017	0.859	0.024	92.216	TRUE	5.53E-21
COPD in ever smokers	PPT2	cg15755475	rs6457646	A	G	0.154	0.023	0.447	3.75E-11	-0.062	0.015	3.18E-05	0.012	43.717	TRUE	6.19E-09
COPD in ever smokers	PPT2	cg15755475	rs9267857	G	A	-0.247	0.023	0.417	4.99E-26	0.017	0.015	0.257	0.029	111.278	TRUE	3.02E-24
COPD in ever smokers	PPT2	cg15755475	rs9269020	G	A	-0.147	0.023	0.404	3.54E-10	0.008	0.016	0.625	0.011	39.328	TRUE	1.13E-09
COPD in ever smokers	PPT2	cg17229678	rs112696801	A	G	0.528	0.055	0.054	7.21E-22	-0.049	0.045	0.274	0.024	92.314	TRUE	2.24E-20
COPD in ever smokers	PPT2	cg17229678	rs115884658	A	G	0.698	0.091	0.021	2.40E-14	-0.035	0.054	0.521	0.015	58.145	TRUE	1.46E-13
COPD in ever smokers	PPT2	cg17229678	rs116416438	A	G	0.497	0.078	0.021	1.46E-10	-0.004	0.052	0.932	0.011	41.057	TRUE	3.16E-10
COPD in ever smokers	PPT2	cg17229678	rs116744327	A	G	0.330	0.056	0.050	3.48E-09	0.069	0.033	0.038	0.009	34.876	TRUE	4.59E-08
COPD in ever smokers	PPT2	cg17229678	rs2243873	C	A	-0.166	0.024	0.459	3.10E-12	0.024	0.015	0.101	0.013	48.599	TRUE	4.59E-11
COPD in ever smokers	PPT2	cg17229678	rs23544	T	C	0.137	0.024	0.410	1.34E-08	-0.043	0.015	0.004	0.009	32.249	TRUE	3.21E-07
COPD in ever smokers	PPT2	cg17229678	rs3130284	C	T	-0.331	0.027	0.236	1.06E-33	0.070	0.017	4.92E-05	0.038	146.320	TRUE	5.68E-29
COPD in ever smokers	PPT2	cg17229678	rs6457646	A	G	0.186	0.023	0.447	1.96E-15	-0.062	0.015	3.18E-05	0.017	63.068	TRUE	1.13E-12
COPD in ever smokers	PPT2	cg17229678	rs6914412	C	T	-0.217	0.040	0.094	4.65E-08	0.062	0.025	0.012	0.008	29.841	TRUE	7.14E-07
COPD in ever smokers	PPT2	cg17229678	rs707974	G	A	0.216	0.038	0.100	1.26E-08	-0.121	0.025	9.83E-07	0.009	32.378	TRUE	1.71E-06
COPD in ever smokers	PPT2	cg17229678	rs9267817	A	G	0.799	0.027	0.212	3.47E-186	-0.008	0.018	0.665	0.186	846.420	TRUE	7.38E-168
COPD in ever smokers	PPT2	cg17229678	rs9272400	G	A	0.159	0.026	0.280	8.91E-10	0.005	0.017	0.784	0.010	37.531	TRUE	2.18E-09
COPD in ever smokers	PPT2	cg17329164	rs112696801	A	G	0.344	0.055	0.054	4.32E-10	-0.049	0.045	0.274	0.010	38.941	TRUE	2.54E-09
COPD in ever smokers	PPT2	cg17329164	rs3130284	C	T	-0.279	0.027	0.236	2.02E-24	0.070	0.017	4.92E-05	0.027	103.946	TRUE	1.08E-20
COPD in ever smokers	PPT2	cg17329164	rs9267817	A	G	0.463	0.029	0.212	4.63E-59	-0.008	0.018	0.665	0.066	262.469	TRUE	1.17E-55
COPD in ever smokers	PPT2	cg17384105	rs191641161	A	G	0.262	0.040	0.177	5.24E-11	-0.017	0.031	0.589	0.012	43.061	TRUE	1.93E-10
COPD in ever smokers	PPT2	cg17384105	rs41270893	G	A	0.269	0.047	0.122	8.14E-09	-0.080	0.025	0.002	0.009	33.224	TRUE	2.65E-07
COPD in ever smokers	PPT2	cg18049167	rs112696801	A	G	0.353	0.055	0.054	1.50E-10	-0.049	0.045	0.274	0.011	41.004	TRUE	9.44E-10
COPD in ever smokers	PPT2	cg18049167	rs3130284	C	T	-0.263	0.027	0.236	9.21E-22	0.070	0.017	4.92E-05	0.024	91.829	TRUE	2.52E-18
COPD in ever smokers	PPT2	cg18049167	rs9267817	A	G	0.454	0.029	0.212	6.51E-57	-0.008	0.018	0.665	0.064	252.619	TRUE	1.13E-53
COPD in ever smokers	PPT2	cg19048176	rs9267817	A	G	-0.197	0.028	0.212	4.50E-12	-0.008	0.018	0.665	0.013	47.868	TRUE	1.65E-11
COPD in ever smokers	PPT2	cg20328456	rs3130348	A	C	-0.212	0.027	0.237	1.15E-14	0.069	0.017	6.46E-05	0.016	59.582	TRUE	4.42E-12
COPD in ever smokers	PPT2	cg20328456	rs9267817	A	G	0.167	0.029	0.212	9.53E-09	-0.008	0.018	0.665	0.009	32.918	TRUE	2.47E-08
COPD in ever smokers	PPT2	cg21241317	rs1063346	A	G	-0.138	0.023	0.448	2.06E-09	-0.048	0.015	0.002	0.010	35.894	TRUE	7.64E-08
COPD in ever smokers	PPT2	cg21241317	rs3130283	A	C	-0.351	0.031	0.161	3.38E-29	-0.028	0.021	0.173	0.033	125.746	TRUE	4.99E-27

COPD in ever smokers	PPT2	cg23359665	rs3130283	A	C	0.272	0.032	0.161	1.21E-17	-0.028	0.021	0.173	0.019	73.105	TRUE	2.98E-16
COPD in ever smokers	PPT2	cg23470939	rs138039007	C	T	0.553	0.087	0.022	1.62E-10	-0.015	0.050	0.764	0.011	40.857	TRUE	4.38E-10
COPD in ever smokers	PPT2	cg23470939	rs3130348	A	C	-0.257	0.027	0.237	6.66E-21	0.069	0.017	6.46E-05	0.023	87.917	TRUE	1.33E-17
COPD in ever smokers	PPT2	cg23470939	rs3213490	T	C	0.163	0.023	0.447	3.56E-12	-0.062	0.015	3.18E-05	0.013	48.325	TRUE	8.02E-10
COPD in ever smokers	PPT2	cg23470939	rs35353422	A	C	0.254	0.032	0.175	1.69E-15	-0.087	0.020	1.53E-05	0.017	63.359	TRUE	1.22E-12
COPD in ever smokers	PPT2	cg23470939	rs707930	T	C	0.196	0.024	0.464	2.20E-16	-0.016	0.015	0.271	0.018	67.381	TRUE	3.16E-15
COPD in ever smokers	PPT2	cg23470939	rs7453498	T	C	0.140	0.025	0.327	3.00E-08	-0.011	0.017	0.508	0.008	30.692	TRUE	9.10E-08
COPD in ever smokers	PPT2	cg23470939	rs9267817	A	G	0.614	0.028	0.212	9.17E-106	-0.008	0.018	0.665	0.114	476.833	TRUE	4.52E-98
COPD in ever smokers	PPT2	cg23660356	rs1269839	T	G	0.359	0.049	0.055	3.92E-13	0.077	0.032	0.015	0.014	52.652	TRUE	1.66E-11
COPD in ever smokers	PPT2	cg24009529	rs1050444	A	G	-0.228	0.032	0.185	6.87E-13	-0.006	0.019	0.740	0.014	51.554	TRUE	2.44E-12
COPD in ever smokers	PPT2	cg24009529	rs11759423	T	C	-0.271	0.044	0.068	1.04E-09	-0.078	0.028	0.006	0.010	37.231	TRUE	2.96E-08
COPD in ever smokers	PPT2	cg24009529	rs1266071	T	C	-0.266	0.038	0.098	2.72E-12	-0.121	0.025	1.04E-06	0.013	48.854	TRUE	1.35E-09
COPD in ever smokers	PPT2	cg24009529	rs12722072	A	G	-0.264	0.030	0.161	1.78E-18	-0.027	0.019	0.160	0.020	76.875	TRUE	5.31E-17
COPD in ever smokers	PPT2	cg24009529	rs1419881	A	G	0.274	0.023	0.488	5.28E-32	0.067	0.015	7.67E-06	0.036	138.566	TRUE	3.95E-27
COPD in ever smokers	PPT2	cg24009529	rs144027808	G	A	0.533	0.059	0.040	1.83E-19	-0.025	0.038	0.514	0.022	81.373	TRUE	2.10E-18
COPD in ever smokers	PPT2	cg24009529	rs171329	A	G	-0.157	0.024	0.497	2.49E-11	-0.038	0.015	0.011	0.012	44.516	TRUE	8.24E-10
COPD in ever smokers	PPT2	cg24009529	rs3130348	A	C	0.943	0.023	0.237	<1E-200	0.069	0.017	6.46E-05	0.310	1660.227	TRUE	2.39E-299
COPD in ever smokers	PPT2	cg24009529	rs3210176	C	T	0.293	0.024	0.299	3.18E-34	0.095	0.016	9.98E-10	0.039	148.716	TRUE	8.84E-28
COPD in ever smokers	PPT2	cg24009529	rs3819292	A	C	-0.197	0.033	0.154	2.23E-09	-0.005	0.021	0.820	0.010	35.738	TRUE	5.03E-09
COPD in ever smokers	PPT2	cg24009529	rs408359	A	G	-0.286	0.048	0.066	2.74E-09	0.043	0.030	0.149	0.009	35.339	TRUE	2.02E-08
COPD in ever smokers	PPT2	cg24009529	rs41316204	C	T	-0.241	0.032	0.170	3.54E-14	-0.082	0.021	1.24E-04	0.015	57.378	TRUE	9.87E-12
COPD in ever smokers	PPT2	cg24009529	rs4959024	T	C	-0.288	0.024	0.374	3.63E-32	-0.044	0.015	0.004	0.036	139.310	TRUE	1.42E-28
COPD in ever smokers	PPT2	cg24009529	rs536078405	A	C	0.376	0.044	0.167	2.38E-17	0.058	0.024	0.018	0.019	71.761	TRUE	2.21E-15
COPD in ever smokers	PPT2	cg24009529	rs561942189	G	T	0.233	0.037	0.383	4.84E-10	0.011	0.015	0.487	0.010	38.720	TRUE	1.88E-09
COPD in ever smokers	PPT2	cg24009529	rs56263516	G	T	-0.227	0.040	0.096	1.39E-08	-0.012	0.026	0.627	0.009	32.190	TRUE	3.71E-08
COPD in ever smokers	PPT2	cg24009529	rs62396663	A	G	0.667	0.094	0.014	1.00E-12	0.034	0.063	0.595	0.014	50.808	TRUE	4.43E-12
COPD in ever smokers	PPT2	cg24009529	rs6457598	T	C	-0.225	0.026	0.291	9.39E-18	-0.024	0.017	0.149	0.020	73.598	TRUE	2.63E-16
COPD in ever smokers	PPT2	cg24009529	rs71543427	A	C	0.691	0.078	0.024	5.58E-19	0.070	0.051	0.167	0.021	79.167	TRUE	1.74E-17
COPD in ever smokers	PPT2	cg24009529	rs77488547	C	T	0.680	0.095	0.017	6.45E-13	0.006	0.053	0.907	0.014	51.676	TRUE	1.78E-12
COPD in ever smokers	PPT2	cg24009529	rs9265494	C	T	0.225	0.025	0.336	9.95E-19	0.025	0.017	0.133	0.021	78.027	TRUE	3.53E-17
COPD in ever smokers	PPT2	cg24009529	rs9266216	C	T	0.323	0.024	0.408	1.14E-41	0.034	0.015	0.024	0.047	182.776	TRUE	9.12E-38
COPD in ever smokers	PPT2	cg24009529	rs9267817	A	G	-0.301	0.029	0.212	1.72E-25	-0.008	0.018	0.665	0.029	108.828	TRUE	2.92E-24
COPD in ever smokers	PPT2	cg24009529	rs9270438	G	A	-0.526	0.036	0.497	2.11E-49	-0.052	0.016	0.001	0.056	218.195	TRUE	8.71E-44
COPD in ever smokers	PPT2	cg24009529	rs9274096	C	A	0.292	0.024	0.365	2.12E-33	0.045	0.015	0.003	0.038	144.951	TRUE	1.27E-29
COPD in ever smokers	PPT2	cg24009529	rs9276570	C	T	-0.148	0.024	0.413	6.11E-10	-0.056	0.016	4.71E-04	0.010	38.265	TRUE	3.70E-08
COPD in ever smokers	PPT2	cg24509300	rs3130283	A	C	-0.426	0.032	0.161	2.46E-41	-0.028	0.021	0.173	0.047	181.252	TRUE	2.71E-38
COPD in ever smokers	PPT2	cg24509300	rs34665982	T	C	-0.129	0.023	0.498	3.56E-08	-0.010	0.015	0.486	0.008	30.361	TRUE	1.10E-07
COPD in ever smokers	PPT2	cg24509300	rs9501404	A	G	-0.216	0.033	0.163	3.64E-11	-0.018	0.023	0.433	0.012	43.774	TRUE	1.78E-10
COPD in ever smokers	PPT2	cg25426302	rs3130283	A	C	0.353	0.032	0.161	1.18E-28	-0.028	0.021	0.173	0.032	123.264	TRUE	1.60E-26
COPD in ever smokers	PPT2	cg25426302	rs9267817	A	G	-0.190	0.029	0.212	5.73E-11	-0.008	0.018	0.665	0.011	42.887	TRUE	1.87E-10
COPD in ever smokers	PPT2	cg25426302	rs9267857	G	A	-0.155	0.024	0.417	5.61E-11	0.017	0.015	0.257	0.011	42.930	TRUE	3.90E-10
COPD in ever smokers	PPT2	cg25426302	rs9270276	A	G	0.138	0.023	0.486	3.21E-09	-0.048	0.016	0.003	0.009	35.034	TRUE	1.02E-07

COPD in ever smokers	PPT2	cg26169408	rs201415661	T	C	0.328	0.051	0.147	1.28E-10	0.084	0.022	1.21E-04	0.011	41.318	TRUE	1.32E-08
COPD in ever smokers	PPT2	cg26169408	rs2243873	C	A	0.163	0.023	0.459	4.18E-12	0.024	0.015	0.101	0.013	48.014	TRUE	6.05E-11
COPD in ever smokers	PPT2	cg26169408	rs3134947	T	C	0.340	0.027	0.237	1.35E-36	0.069	0.017	6.87E-05	0.041	159.558	TRUE	1.26E-31
COPD in ever smokers	PPT2	cg26169408	rs9269038	C	T	0.182	0.031	0.208	3.07E-09	0.063	0.021	0.003	0.009	35.120	TRUE	9.15E-08
COPD in ever smokers	PPT2	cg26169408	rs9270438	G	A	-0.291	0.037	0.497	1.55E-15	-0.052	0.016	0.001	0.017	63.535	TRUE	3.10E-13
COPD in ever smokers	PPT2	cg27070869	rs3130283	A	C	-0.221	0.031	0.161	2.21E-12	-0.028	0.021	0.173	0.013	49.257	TRUE	2.45E-11
COPD in ever smokers	PPT2	cg27134827	rs112696801	A	G	0.495	0.055	0.054	2.32E-19	-0.049	0.045	0.274	0.021	80.899	TRUE	5.04E-18
COPD in ever smokers	PPT2	cg27134827	rs115884658	A	G	0.629	0.092	0.021	6.03E-12	-0.035	0.054	0.521	0.013	47.295	TRUE	2.77E-11
COPD in ever smokers	PPT2	cg27134827	rs2243873	C	A	-0.159	0.024	0.459	3.00E-11	0.024	0.015	0.101	0.012	44.153	TRUE	3.76E-10
COPD in ever smokers	PPT2	cg27134827	rs3130284	C	T	-0.299	0.027	0.236	9.69E-28	0.070	0.017	4.92E-05	0.031	119.090	TRUE	1.19E-23
COPD in ever smokers	PPT2	cg27134827	rs6457646	A	G	0.150	0.023	0.447	1.63E-10	-0.062	0.015	3.18E-05	0.011	40.845	TRUE	2.20E-08
COPD in ever smokers	PPT2	cg27134827	rs6914412	C	T	-0.223	0.040	0.094	1.87E-08	0.062	0.025	0.012	0.008	31.611	TRUE	3.15E-07
COPD in ever smokers	PPT2	cg27134827	rs9267817	A	G	0.735	0.028	0.212	9.15E-155	-0.008	0.018	0.665	0.160	701.985	TRUE	4.66E-141
COPD in ever smokers	PPT2	cg27134827	rs9272400	G	A	0.157	0.026	0.280	1.39E-09	0.005	0.017	0.784	0.010	36.657	TRUE	3.35E-09
COPD in ever smokers	PRDX2	cg07077694	rs112302058	T	C	-0.359	0.062	0.030	8.72E-09	0.015	0.039	0.705	0.009	33.089	TRUE	2.15E-08
COPD in ever smokers	PRDX2	cg07077694	rs3979432	C	T	0.139	0.024	0.465	4.15E-09	-0.013	0.015	0.403	0.009	34.535	TRUE	1.65E-08
COPD in ever smokers	PRDX2	cg07077694	rs7250345	T	C	0.154	0.024	0.388	1.17E-10	0.020	0.016	0.199	0.011	41.491	TRUE	9.13E-10
COPD in ever smokers	PRDX2	cg07077694	rs931068	C	T	0.141	0.025	0.343	1.12E-08	0.030	0.016	0.056	0.009	32.596	TRUE	1.15E-07
COPD in ever smokers	PRDX2	cg13375538	rs112302058	T	C	-0.546	0.062	0.030	1.80E-18	0.015	0.039	0.705	0.020	76.860	TRUE	1.23E-17
COPD in ever smokers	PRDX2	cg13375538	rs117758012	T	C	-0.370	0.051	0.060	3.68E-13	-0.015	0.032	0.634	0.014	52.779	TRUE	1.60E-12
COPD in ever smokers	PRDX2	cg13375538	rs147226414	G	T	-0.346	0.057	0.041	1.18E-09	0.044	0.036	0.225	0.010	36.981	TRUE	7.34E-09
COPD in ever smokers	PRDX2	cg13375538	rs3979432	C	T	0.171	0.024	0.465	6.17E-13	-0.013	0.015	0.403	0.014	51.765	TRUE	4.00E-12
COPD in ever smokers	PRDX2	cg13375538	rs8111617	T	C	0.194	0.025	0.342	2.93E-15	0.031	0.016	0.047	0.017	62.281	TRUE	1.11E-13
COPD in ever smokers	PRDX2	cg13618045	rs4804732	A	G	-0.207	0.025	0.354	4.00E-17	0.032	0.016	0.039	0.019	70.738	TRUE	2.34E-15
COPD in ever smokers	PRDX2	cg13618045	rs73925233	C	T	0.441	0.062	0.031	7.61E-13	0.016	0.039	0.675	0.014	51.353	TRUE	2.98E-12
COPD in ever smokers	PRDX2	cg15976709	rs4804732	A	G	-0.234	0.025	0.354	1.87E-21	0.032	0.016	0.039	0.024	90.425	TRUE	2.40E-19
COPD in ever smokers	PRDX2	cg15976709	rs73925233	C	T	0.506	0.062	0.031	2.78E-16	0.016	0.039	0.675	0.018	66.919	TRUE	1.58E-15
COPD in ever smokers	PRDX2	cg22555472	rs4804732	A	G	-0.176	0.025	0.354	8.71E-13	0.032	0.016	0.039	0.014	51.087	TRUE	2.28E-11
COPD in ever smokers	PRDX2	cg22555472	rs8107365	T	G	0.485	0.075	0.035	1.14E-10	0.037	0.037	0.316	0.011	41.546	TRUE	6.60E-10
COPD in ever smokers	PRDX2	cg23467004	rs3979432	C	T	0.136	0.024	0.465	1.05E-08	-0.013	0.015	0.403	0.009	32.726	TRUE	3.97E-08
COPD in ever smokers	PRDX2	cg23467004	rs8111617	T	C	0.154	0.025	0.342	3.90E-10	0.031	0.016	0.047	0.010	39.141	TRUE	5.67E-09
COPD in ever smokers	PRKAB2	cg00030476	rs1969869	T	G	-0.182	0.026	0.282	4.24E-12	-0.056	0.017	7.22E-04	0.013	47.983	TRUE	4.10E-10
COPD in ever smokers	PRKAB2	cg00030476	rs6678588	C	A	-1.053	0.067	0.030	1.87E-55	0.032	0.045	0.476	0.062	245.930	TRUE	5.17E-52
COPD in ever smokers	PRKAB2	cg04870460	rs11809904	A	G	0.163	0.024	0.373	2.22E-11	0.026	0.016	0.091	0.012	44.742	TRUE	2.99E-10
COPD in ever smokers	PRODH	cg03407228	rs117377762	A	G	-0.328	0.057	0.046	8.92E-09	0.071	0.035	0.044	0.009	33.045	TRUE	1.02E-07
COPD in ever smokers	PRODH	cg03407228	rs2800987	A	G	0.152	0.027	0.256	1.40E-08	-0.009	0.023	0.680	0.009	32.173	TRUE	3.49E-08
COPD in ever smokers	PRODH	cg03407228	rs416331	C	T	-0.354	0.024	0.366	1.03E-47	-0.036	0.015	0.018	0.054	210.466	TRUE	3.56E-43
COPD in ever smokers	PRODH	cg03407228	rs8137125	G	T	0.511	0.036	0.121	4.45E-46	0.047	0.023	0.046	0.052	202.968	TRUE	4.83E-42
COPD in ever smokers	PRODH	cg11438552	rs112736533	A	G	-0.787	0.062	0.032	1.10E-36	-0.017	0.039	0.674	0.041	159.965	TRUE	7.95E-35
COPD in ever smokers	PRODH	cg11438552	rs141373695	A	G	0.507	0.072	0.029	2.46E-12	-0.032	0.043	0.460	0.013	49.050	TRUE	1.32E-11
COPD in ever smokers	PRODH	cg11438552	rs17743045	A	G	0.467	0.032	0.158	1.46E-47	0.052	0.021	0.012	0.054	209.765	TRUE	6.83E-43
COPD in ever smokers	PRODH	cg11438552	rs17810548	T	C	0.209	0.034	0.136	1.04E-09	-0.014	0.021	0.507	0.010	37.231	TRUE	3.76E-09

COPD in ever smokers	PRODH	cg11438552	rs2016108	A	G	-0.779	0.029	0.198	4.81E-163	0.009	0.019	0.632	0.167	740.038	TRUE	4.31E-148
COPD in ever smokers	PRODH	cg11438552	rs2540638	G	A	-0.135	0.023	0.499	7.58E-09	0.019	0.015	0.208	0.009	33.362	TRUE	4.36E-08
COPD in ever smokers	PRODH	cg11438552	rs2540656	T	C	-0.399	0.037	0.112	5.22E-27	-0.033	0.024	0.166	0.030	115.752	TRUE	5.67E-25
COPD in ever smokers	PRODH	cg11438552	rs380705	A	G	0.478	0.065	0.054	2.20E-13	-0.014	0.034	0.673	0.014	53.791	TRUE	9.15E-13
COPD in ever smokers	PRODH	cg11438552	rs5993444	C	A	-0.474	0.024	0.318	2.25E-84	0.014	0.016	0.368	0.093	378.613	TRUE	3.43E-78
COPD in ever smokers	PRODH	cg11438552	rs715535	A	G	-0.337	0.041	0.088	1.74E-16	0.010	0.026	0.693	0.018	67.845	TRUE	9.76E-16
COPD in ever smokers	PRODH	cg12512005	rs9604911	T	G	0.280	0.028	0.227	1.97E-23	0.015	0.018	0.398	0.026	99.435	TRUE	5.11E-22
COPD in ever smokers	PRODH	cg17283826	rs117377762	A	G	-0.359	0.057	0.046	2.78E-10	0.071	0.035	0.044	0.011	39.802	TRUE	4.28E-09
COPD in ever smokers	PRODH	cg17283826	rs2008720	T	G	-0.470	0.023	0.436	5.17E-91	0.014	0.015	0.361	0.100	409.090	TRUE	3.74E-84
COPD in ever smokers	PRODH	cg17283826	rs2540638	G	A	-0.145	0.023	0.499	5.28E-10	0.019	0.015	0.208	0.010	38.550	TRUE	3.63E-09
COPD in ever smokers	PRODH	cg17283826	rs3815655	A	G	0.403	0.040	0.095	2.22E-23	0.062	0.026	0.019	0.026	99.202	TRUE	6.41E-21
COPD in ever smokers	PRODH	cg24868201	rs8142510	C	T	0.223	0.036	0.118	5.64E-10	0.049	0.023	0.036	0.010	38.420	TRUE	8.94E-09
COPD in ever smokers	PRRT1	cg00403498	rs180713844	A	G	-0.281	0.038	0.324	1.78E-13	-0.048	0.016	0.003	0.014	54.207	TRUE	1.49E-11
COPD in ever smokers	PRRT1	cg00403498	rs3130283	A	C	-0.449	0.031	0.161	3.30E-46	-0.028	0.021	0.173	0.052	203.564	TRUE	8.56E-43
COPD in ever smokers	PRRT1	cg00403498	rs3131627	A	G	-0.140	0.024	0.404	5.10E-09	-0.014	0.015	0.355	0.009	34.134	TRUE	2.18E-08
COPD in ever smokers	PRRT1	cg00403498	rs3819306	G	A	0.133	0.024	0.382	2.74E-08	-0.030	0.016	0.057	0.008	30.870	TRUE	2.58E-07
COPD in ever smokers	PRRT1	cg00403498	rs707928	G	A	0.143	0.025	0.340	1.66E-08	0.028	0.016	0.078	0.009	31.842	TRUE	1.43E-07
COPD in ever smokers	PRRT1	cg00403498	rs71536546	T	C	-0.246	0.036	0.474	8.13E-12	0.063	0.018	4.71E-04	0.012	46.709	TRUE	8.24E-10
COPD in ever smokers	PRRT1	cg00403498	rs76819034	C	T	0.146	0.025	0.429	1.07E-08	0.009	0.016	0.575	0.009	32.693	TRUE	3.11E-08
COPD in ever smokers	PRRT1	cg00403498	rs9263773	T	C	-0.132	0.024	0.365	4.47E-08	-0.047	0.015	0.002	0.008	29.920	TRUE	1.12E-06
COPD in ever smokers	PRRT1	cg00403498	rs9264626	T	C	-0.165	0.025	0.364	2.25E-11	0.061	0.016	1.11E-04	0.012	44.712	TRUE	2.95E-09
COPD in ever smokers	PRRT1	cg00403498	rs9267857	G	A	0.149	0.024	0.417	2.44E-10	0.017	0.015	0.257	0.011	40.053	TRUE	1.55E-09
COPD in ever smokers	PRRT1	cg00403498	rs9501404	A	G	-0.251	0.033	0.163	1.39E-14	-0.018	0.023	0.433	0.016	59.211	TRUE	1.05E-13
COPD in ever smokers	PRRT1	cg17161421	rs9267817	A	G	-0.214	0.029	0.212	1.45E-13	-0.008	0.018	0.665	0.015	54.612	TRUE	6.23E-13
COPD in ever smokers	PRRT1	cg17161421	rs9267860	A	G	0.171	0.031	0.184	3.84E-08	0.011	0.019	0.588	0.008	30.211	TRUE	1.03E-07
COPD in ever smokers	PRRT1	cg20914572	rs114258010	G	A	0.297	0.051	0.082	5.38E-09	-0.028	0.029	0.328	0.009	34.027	TRUE	2.42E-08
COPD in ever smokers	PRRT1	cg20914572	rs1265945	G	A	-0.306	0.024	0.373	6.94E-37	0.043	0.015	0.005	0.042	160.886	TRUE	6.72E-33
COPD in ever smokers	PRRT1	cg20914572	rs1269839	T	G	0.280	0.050	0.055	2.14E-08	0.077	0.032	0.015	0.008	31.348	TRUE	3.26E-07
COPD in ever smokers	PRRT1	cg20914572	rs146305655	A	G	0.427	0.067	0.038	1.48E-10	-0.054	0.042	0.197	0.011	41.038	TRUE	1.14E-09
COPD in ever smokers	PRRT1	cg20914572	rs3134605	C	T	-0.159	0.028	0.223	1.61E-08	0.071	0.018	6.49E-05	0.009	31.903	TRUE	9.88E-07
COPD in ever smokers	PRRT1	cg20914572	rs522254	G	A	0.184	0.029	0.207	1.13E-10	-0.050	0.018	0.004	0.011	41.567	TRUE	4.38E-09
COPD in ever smokers	PRRT1	cg20914572	rs9270118	C	T	-0.163	0.025	0.344	3.74E-11	0.005	0.018	0.757	0.012	43.720	TRUE	1.09E-10
COPD in ever smokers	PRRT1	cg20914572	rs9270355	A	G	-0.223	0.024	0.411	7.58E-21	0.007	0.018	0.705	0.023	87.662	TRUE	6.78E-20
COPD in ever smokers	PRRT1	cg20914572	rs9501404	A	G	-0.196	0.033	0.163	2.22E-09	-0.018	0.023	0.433	0.010	35.755	TRUE	8.69E-09
COPD in ever smokers	PTGS2	cg25147026	rs1293989	C	A	0.192	0.023	0.452	2.10E-16	-0.031	0.015	0.038	0.018	67.473	TRUE	1.10E-14
COPD in ever smokers	PTGS2	cg25147026	rs8824	A	C	-0.155	0.024	0.398	1.54E-10	0.020	0.015	0.194	0.011	40.959	TRUE	1.19E-09
COPD in ever smokers	RAF1	cg02420927	rs5746154	A	G	0.246	0.035	0.131	2.99E-12	0.060	0.022	0.007	0.013	48.668	TRUE	1.44E-10
COPD in ever smokers	RAF1	cg02420927	rs60943691	C	A	-0.258	0.023	0.402	2.13E-28	-0.011	0.015	0.483	0.032	122.094	TRUE	8.46E-27
COPD in ever smokers	RAF1	cg09856107	rs4234512	T	G	0.296	0.027	0.236	2.50E-27	0.005	0.017	0.762	0.031	117.210	TRUE	4.23E-26
COPD in ever smokers	RAF1	cg09856107	rs6442325	A	C	-0.168	0.026	0.288	5.83E-11	-0.001	0.016	0.970	0.011	42.854	TRUE	1.24E-10
COPD in ever smokers	RAF1	cg12173506	rs12714875	G	T	-0.149	0.027	0.254	2.96E-08	0.015	0.017	0.384	0.008	30.715	TRUE	1.09E-07
COPD in ever smokers	RAF1	cg13703021	rs7617041	G	A	0.262	0.025	0.350	6.53E-26	0.011	0.016	0.478	0.029	110.744	TRUE	1.88E-24

COPD in ever smokers	RAF1	cg23032965	rs112126248	A	G	0.650	0.048	0.064	7.59E-42	-0.015	0.033	0.653	0.047	183.589	TRUE	1.23E-39
COPD in ever smokers	RAF1	cg23032965	rs114464931	G	A	0.805	0.076	0.026	2.11E-26	-0.020	0.050	0.692	0.030	112.983	TRUE	3.76E-25
COPD in ever smokers	RAF1	cg23032965	rs115113943	A	G	0.708	0.109	0.020	7.20E-11	0.014	0.051	0.779	0.011	42.440	TRUE	1.97E-10
COPD in ever smokers	RAF1	cg23032965	rs116542919	A	G	0.600	0.086	0.038	3.09E-12	-0.084	0.044	0.057	0.013	48.605	TRUE	6.13E-11
COPD in ever smokers	RAF1	cg23032965	rs11718656	C	T	-0.235	0.035	0.326	1.09E-11	0.004	0.017	0.794	0.012	46.132	TRUE	3.17E-11
COPD in ever smokers	RAF1	cg23032965	rs12636458	T	C	-0.414	0.053	0.101	4.33E-15	0.006	0.026	0.808	0.016	61.512	TRUE	1.72E-14
COPD in ever smokers	RAF1	cg23032965	rs147070788	A	G	-0.293	0.024	0.423	4.12E-35	0.007	0.015	0.649	0.040	152.773	TRUE	2.57E-33
COPD in ever smokers	RAF1	cg23032965	rs147785705	C	T	0.535	0.096	0.015	2.19E-08	-0.100	0.071	0.160	0.008	31.299	TRUE	1.34E-07
COPD in ever smokers	RAF1	cg23032965	rs3817121	A	G	0.224	0.034	0.167	3.90E-11	-0.008	0.020	0.670	0.012	43.641	TRUE	1.29E-10
COPD in ever smokers	RAF1	cg23032965	rs4135275	G	A	-0.175	0.029	0.207	2.82E-09	-0.038	0.019	0.041	0.009	35.284	TRUE	3.67E-08
COPD in ever smokers	RAF1	cg23032965	rs56268840	T	C	0.238	0.026	0.280	3.43E-20	0.001	0.017	0.946	0.022	84.680	TRUE	1.77E-19
COPD in ever smokers	RAF1	cg23032965	rs62243663	A	C	-0.283	0.025	0.291	8.69E-29	0.001	0.016	0.975	0.032	123.871	TRUE	1.07E-27
COPD in ever smokers	RAF1	cg23032965	rs6795464	T	C	-0.212	0.024	0.357	3.64E-18	0.001	0.016	0.950	0.020	75.469	TRUE	1.53E-17
COPD in ever smokers	RAF1	cg23032965	rs693201	A	G	-0.155	0.024	0.438	4.56E-11	-0.001	0.015	0.956	0.012	43.334	TRUE	9.93E-11
COPD in ever smokers	RAF1	cg23032965	rs71187446	A	G	0.609	0.052	0.053	2.59E-32	0.041	0.032	0.204	0.036	139.975	TRUE	5.30E-30
COPD in ever smokers	RAF1	cg23032965	rs73027016	A	G	-0.154	0.026	0.265	5.81E-09	0.008	0.017	0.628	0.009	33.879	TRUE	1.62E-08
COPD in ever smokers	RAF1	cg23032965	rs9833097	A	G	0.377	0.040	0.098	3.99E-21	0.033	0.024	0.169	0.023	88.930	TRUE	1.70E-19
COPD in ever smokers	RAF1	cg23032965	rs9863437	T	G	-0.408	0.027	0.247	3.67E-53	0.002	0.017	0.928	0.060	235.423	TRUE	1.44E-50
COPD in ever smokers	RAF1	cg23332193	rs13101202	C	A	-0.295	0.031	0.177	4.79E-21	0.061	0.019	0.002	0.023	88.570	TRUE	2.76E-18
COPD in ever smokers	RAF1	cg23332193	rs2454456	A	G	-0.198	0.028	0.233	1.00E-12	0.003	0.017	0.873	0.014	50.817	TRUE	2.85E-12
COPD in ever smokers	RAF1	cg23332193	rs59821954	C	T	0.415	0.029	0.209	6.57E-47	-0.031	0.019	0.097	0.053	206.774	TRUE	3.82E-43
COPD in ever smokers	RAF1	cg26432171	rs1051208	A	G	-0.185	0.033	0.152	1.36E-08	0.053	0.021	0.010	0.009	32.222	TRUE	2.49E-07
COPD in ever smokers	RAF1	cg26432171	rs34741626	T	C	-0.216	0.033	0.152	6.78E-11	0.007	0.021	0.727	0.011	42.558	TRUE	2.01E-10
COPD in ever smokers	RAF1	cg26432171	rs3925798	T	C	0.399	0.023	0.414	3.77E-68	-0.013	0.015	0.368	0.076	304.157	TRUE	1.87E-63
COPD in ever smokers	RAF1	cg26432171	rs9814180	A	G	0.130	0.023	0.440	2.64E-08	0.011	0.015	0.450	0.008	30.936	TRUE	8.81E-08
COPD in ever smokers	RHEB	cg02506984	rs4726029	T	C	-0.190	0.023	0.498	3.88E-16	-0.043	0.015	0.004	0.018	66.260	TRUE	5.28E-14
COPD in ever smokers	RHEB	cg03323794	rs2074997	A	C	-0.166	0.023	0.500	6.55E-13	-0.043	0.015	0.004	0.014	51.647	TRUE	4.41E-11
COPD in ever smokers	RHEB	cg03998173	rs6943752	A	G	0.143	0.023	0.500	8.78E-10	0.039	0.015	0.008	0.010	37.558	TRUE	2.26E-08
COPD in ever smokers	RHEB	cg06603923	rs11771194	A	G	-0.186	0.025	0.306	1.16E-13	-0.024	0.016	0.138	0.015	55.043	TRUE	1.81E-12
COPD in ever smokers	RHEB	cg06603923	rs2538043	C	A	0.159	0.024	0.373	9.23E-11	0.007	0.015	0.655	0.011	41.955	TRUE	2.99E-10
COPD in ever smokers	RHEB	cg06603923	rs6943752	A	G	0.333	0.023	0.500	2.64E-46	0.039	0.015	0.008	0.052	204.010	TRUE	1.29E-41
COPD in ever smokers	RHEB	cg16782602	rs11772402	G	T	-0.161	0.023	0.474	3.89E-12	-0.029	0.015	0.050	0.013	48.153	TRUE	8.05E-11
COPD in ever smokers	RHEB	cg16782602	rs12537413	C	T	-0.138	0.024	0.348	1.07E-08	0.015	0.016	0.355	0.009	32.691	TRUE	4.40E-08
COPD in ever smokers	RHEB	cg16782602	rs12669535	G	A	-1.195	0.060	0.038	2.05E-88	-0.008	0.040	0.832	0.097	397.164	TRUE	8.55E-83
COPD in ever smokers	RHEB	cg16782602	rs2374262	C	T	-0.143	0.026	0.293	2.55E-08	0.010	0.016	0.527	0.008	31.005	TRUE	7.60E-08
COPD in ever smokers	RHEB	cg21134096	rs2538034	A	G	0.147	0.025	0.344	3.11E-09	0.002	0.016	0.882	0.009	35.098	TRUE	6.38E-09
COPD in ever smokers	RHEB	cg21134096	rs6943752	A	G	0.263	0.023	0.500	3.43E-29	0.039	0.015	0.008	0.033	125.717	TRUE	4.99E-26
COPD in ever smokers	RHEB	cg21134096	rs73154863	A	G	0.486	0.061	0.037	2.54E-15	-0.012	0.040	0.768	0.017	62.558	TRUE	1.11E-14
COPD in ever smokers	RHEB	cg22589161	rs2727568	A	C	0.149	0.027	0.260	2.49E-08	-0.002	0.017	0.919	0.008	31.049	TRUE	4.53E-08
COPD in ever smokers	RHEB	cg22589161	rs6943752	A	G	0.176	0.023	0.500	6.12E-14	0.039	0.015	0.008	0.015	56.303	TRUE	3.97E-12
COPD in ever smokers	RHEB	cg22589161	rs73154863	A	G	0.373	0.061	0.037	1.11E-09	-0.012	0.040	0.768	0.010	37.108	TRUE	2.74E-09
COPD in ever smokers	RHEB	cg24531520	rs2538043	C	A	0.138	0.024	0.373	1.62E-08	0.007	0.015	0.655	0.009	31.889	TRUE	4.14E-08

COPD in ever smokers	RHEB	cg24531520	rs6943752	A	G	0.279	0.023	0.500	9.97E-33	0.039	0.015	0.008	0.037	141.874	TRUE	2.96E-29
COPD in ever smokers	RPS27L	cg02321289	rs2652812	C	T	0.199	0.027	0.223	2.32E-13	-0.016	0.018	0.368	0.014	53.685	TRUE	1.72E-12
COPD in ever smokers	RPS27L	cg02321289	rs62011184	T	C	1.200	0.076	0.019	4.92E-56	-0.039	0.051	0.438	0.063	248.592	TRUE	1.77E-52
COPD in ever smokers	RPS27L	cg02321289	rs73431514	G	A	0.508	0.088	0.016	8.79E-09	-0.042	0.056	0.459	0.009	33.074	TRUE	3.06E-08
COPD in ever smokers	RPS27L	cg02713581	rs17752921	C	T	-0.315	0.053	0.100	2.24E-09	-0.054	0.025	0.033	0.010	35.734	TRUE	3.22E-08
COPD in ever smokers	RPS27L	cg02713581	rs35363782	C	T	-0.209	0.038	0.203	4.22E-08	-0.035	0.019	0.071	0.008	30.029	TRUE	3.51E-07
COPD in ever smokers	RPS27L	cg02713581	rs7162561	C	T	-0.168	0.027	0.257	6.33E-10	-0.020	0.017	0.242	0.010	38.197	TRUE	3.92E-09
COPD in ever smokers	RPS27L	cg09431919	rs139651141	C	A	0.663	0.082	0.039	6.18E-16	0.026	0.043	0.543	0.017	65.343	TRUE	4.35E-15
COPD in ever smokers	RPS27L	cg09431919	rs2047760	T	C	1.920	0.071	0.021	2.92E-163	-0.011	0.048	0.822	0.167	741.038	TRUE	9.34E-149
COPD in ever smokers	RPS27L	cg09431919	rs7162890	G	A	-0.166	0.023	0.468	1.61E-12	-0.018	0.015	0.232	0.013	49.877	TRUE	1.51E-11
COPD in ever smokers	RPS27L	cg09431919	rs7163519	C	A	0.238	0.030	0.167	1.61E-15	-0.018	0.020	0.370	0.017	63.464	TRUE	1.57E-14
COPD in ever smokers	RPS27L	cg09431919	rs7172837	T	C	0.881	0.058	0.033	1.65E-52	0.046	0.039	0.238	0.059	232.432	TRUE	8.64E-49
COPD in ever smokers	RPS27L	cg09431919	rs78795043	T	C	0.287	0.045	0.070	1.15E-10	0.043	0.029	0.141	0.011	41.533	TRUE	1.09E-09
COPD in ever smokers	RPS27L	cg19279045	rs12594313	A	G	-0.131	0.023	0.475	1.71E-08	-0.039	0.015	0.009	0.009	31.787	TRUE	3.13E-07
COPD in ever smokers	RPS27L	cg20854371	rs2652813	G	A	0.164	0.027	0.222	1.29E-09	-0.024	0.018	0.168	0.010	36.805	TRUE	9.40E-09
COPD in ever smokers	RPS27L	cg20854371	rs62011184	T	C	0.860	0.077	0.019	4.24E-29	-0.039	0.051	0.438	0.033	125.293	TRUE	2.12E-27
COPD in ever smokers	RPS27L	cg23837188	rs75326529	G	A	0.462	0.080	0.019	6.13E-09	-0.061	0.048	0.206	0.009	33.775	TRUE	3.59E-08
COPD in ever smokers	RPS27L	cg23837188	rs9788649	A	G	0.625	0.041	0.092	2.51E-52	-0.054	0.027	0.046	0.059	231.598	TRUE	9.32E-48
COPD in ever smokers	RPS27L	cg26210447	rs11071732	A	G	-0.251	0.038	0.107	4.55E-11	-0.021	0.024	0.385	0.012	43.339	TRUE	2.41E-10
COPD in ever smokers	RPS27L	cg26210447	rs1126308	A	C	-0.453	0.023	0.474	2.68E-87	-0.039	0.015	0.009	0.096	392.037	TRUE	1.86E-78
COPD in ever smokers	RPS27L	cg26210447	rs113551946	G	A	-0.304	0.038	0.106	2.34E-15	-0.029	0.036	0.422	0.017	62.725	TRUE	1.98E-14
COPD in ever smokers	RPS27L	cg26210447	rs35363782	C	T	-0.252	0.039	0.203	7.88E-11	-0.035	0.019	0.071	0.011	42.265	TRUE	1.09E-09
COPD in ever smokers	RPS27L	cg26210447	rs56131185	G	A	-0.165	0.025	0.298	5.34E-11	-0.010	0.016	0.549	0.011	43.027	TRUE	2.09E-10
COPD in ever smokers	RPS27L	cg26210447	rs62011225	A	G	-0.259	0.042	0.072	6.24E-10	-0.029	0.028	0.296	0.010	38.223	TRUE	3.42E-09
COPD in ever smokers	RPS27L	cg26210447	rs7183733	T	C	-0.209	0.025	0.330	6.44E-17	-0.017	0.016	0.278	0.019	69.799	TRUE	9.77E-16
COPD in ever smokers	RPTOR	cg00143364	rs7218924	T	C	-0.155	0.024	0.429	7.82E-11	0.008	0.015	0.578	0.011	42.279	TRUE	2.88E-10
COPD in ever smokers	RPTOR	cg00143364	rs79155262	T	C	-0.367	0.041	0.090	3.48E-19	-0.018	0.026	0.500	0.021	80.104	TRUE	3.98E-18
COPD in ever smokers	RPTOR	cg00463485	rs4969444	A	G	-0.305	0.031	0.184	2.05E-23	0.035	0.019	0.071	0.026	99.360	TRUE	2.49E-21
COPD in ever smokers	RPTOR	cg00523683	rs117209908	A	G	0.318	0.050	0.059	2.35E-10	0.072	0.031	0.021	0.011	40.126	TRUE	4.96E-09
COPD in ever smokers	RPTOR	cg00523683	rs147459147	G	T	-0.150	0.024	0.486	1.87E-10	0.019	0.015	0.223	0.011	40.578	TRUE	1.32E-09
COPD in ever smokers	RPTOR	cg00523683	rs4969266	T	C	-0.208	0.028	0.234	5.62E-14	0.012	0.018	0.496	0.015	56.471	TRUE	3.44E-13
COPD in ever smokers	RPTOR	cg00523683	rs67583258	T	C	0.337	0.027	0.249	2.07E-35	0.013	0.017	0.469	0.040	154.142	TRUE	2.31E-33
COPD in ever smokers	RPTOR	cg00704970	rs111396639	A	G	0.163	0.027	0.258	1.34E-09	0.017	0.018	0.349	0.010	36.739	TRUE	6.27E-09
COPD in ever smokers	RPTOR	cg00704970	rs11150747	T	C	0.151	0.027	0.249	3.65E-08	-0.002	0.017	0.922	0.008	30.311	TRUE	6.52E-08
COPD in ever smokers	RPTOR	cg00704970	rs11656061	A	G	-0.478	0.023	0.436	6.20E-94	-0.005	0.015	0.741	0.103	422.505	TRUE	1.30E-87
COPD in ever smokers	RPTOR	cg00704970	rs12952861	A	G	0.439	0.029	0.202	2.58E-52	0.000	0.019	0.994	0.059	231.546	TRUE	7.18E-50
COPD in ever smokers	RPTOR	cg00704970	rs13341621	A	G	0.404	0.050	0.080	5.93E-16	0.042	0.029	0.139	0.017	65.424	TRUE	1.32E-14
COPD in ever smokers	RPTOR	cg00704970	rs149099062	A	G	1.076	0.139	0.015	1.19E-14	-0.163	0.062	0.009	0.016	59.513	TRUE	8.91E-13
COPD in ever smokers	RPTOR	cg00704970	rs56273414	C	T	0.269	0.033	0.146	4.98E-16	-0.013	0.022	0.538	0.017	65.767	TRUE	3.58E-15
COPD in ever smokers	RPTOR	cg00704970	rs56859058	G	T	0.292	0.048	0.071	9.39E-10	-0.029	0.031	0.344	0.010	37.427	TRUE	4.54E-09
COPD in ever smokers	RPTOR	cg00704970	rs62068487	A	G	-0.359	0.025	0.319	1.09E-46	0.004	0.016	0.811	0.053	205.763	TRUE	2.26E-44
COPD in ever smokers	RPTOR	cg00704970	rs7225916	G	T	0.156	0.026	0.272	3.41E-09	0.012	0.017	0.462	0.009	34.916	TRUE	1.24E-08

COPD in ever smokers	RPTOR	cg00704970	rs72852923	T	C	0.307	0.050	0.068	8.10E-10	-0.054	0.030	0.070	0.010	37.715	TRUE	9.36E-09
COPD in ever smokers	RPTOR	cg00704970	rs72853711	C	T	0.266	0.037	0.115	5.17E-13	-0.044	0.024	0.073	0.014	52.111	TRUE	1.04E-11
COPD in ever smokers	RPTOR	cg00704970	rs72857988	T	C	0.600	0.050	0.050	1.88E-33	-0.031	0.032	0.327	0.038	145.184	TRUE	2.61E-31
COPD in ever smokers	RPTOR	cg00704970	rs8073904	G	A	0.190	0.033	0.141	9.93E-09	0.006	0.022	0.788	0.009	32.838	TRUE	2.19E-08
COPD in ever smokers	RPTOR	cg00704970	rs9797307	A	G	0.534	0.030	0.174	4.95E-70	0.002	0.020	0.925	0.078	312.792	TRUE	3.55E-66
COPD in ever smokers	RPTOR	cg01432609	rs62068339	G	T	0.257	0.041	0.092	3.12E-10	-0.017	0.026	0.514	0.011	39.578	TRUE	1.18E-09
COPD in ever smokers	RPTOR	cg01464730	rs10468605	C	T	0.806	0.021	0.407	<1E-200	0.026	0.015	0.086	0.288	1494.937	TRUE	3.09E-278
COPD in ever smokers	RPTOR	cg01464730	rs11652074	A	G	-0.213	0.037	0.117	8.99E-09	0.014	0.023	0.548	0.009	33.031	TRUE	2.74E-08
COPD in ever smokers	RPTOR	cg01464730	rs11653338	T	C	-0.143	0.024	0.495	1.43E-09	0.015	0.015	0.330	0.010	36.607	TRUE	6.94E-09
COPD in ever smokers	RPTOR	cg01464730	rs117209908	A	G	0.489	0.050	0.059	2.89E-22	0.072	0.031	0.021	0.025	94.121	TRUE	6.30E-20
COPD in ever smokers	RPTOR	cg01464730	rs118003029	A	G	-0.350	0.055	0.089	1.64E-10	-0.030	0.025	0.230	0.011	40.831	TRUE	1.15E-09
COPD in ever smokers	RPTOR	cg01464730	rs139980334	C	T	0.460	0.047	0.065	1.20E-22	-0.017	0.038	0.659	0.025	95.856	TRUE	1.47E-21
COPD in ever smokers	RPTOR	cg01464730	rs35904260	G	A	-0.274	0.023	0.445	8.41E-32	-0.001	0.015	0.940	0.036	137.640	TRUE	1.61E-30
COPD in ever smokers	RPTOR	cg01464730	rs55903842	A	G	0.398	0.051	0.059	8.52E-15	0.018	0.035	0.604	0.016	60.179	TRUE	4.67E-14
COPD in ever smokers	RPTOR	cg01464730	rs60720478	T	C	0.499	0.053	0.046	9.22E-21	0.031	0.034	0.365	0.023	87.276	TRUE	1.83E-19
COPD in ever smokers	RPTOR	cg01464730	rs62070200	A	G	-0.141	0.026	0.277	3.51E-08	0.000	0.016	0.983	0.008	30.386	TRUE	5.85E-08
COPD in ever smokers	RPTOR	cg01464730	rs72856013	A	G	-0.358	0.036	0.120	2.06E-23	-0.017	0.024	0.476	0.026	99.346	TRUE	4.29E-22
COPD in ever smokers	RPTOR	cg01464730	rs77591050	T	C	0.498	0.045	0.077	1.33E-28	-0.023	0.029	0.425	0.032	123.031	TRUE	6.44E-27
COPD in ever smokers	RPTOR	cg01464730	rs9897608	T	C	-0.256	0.025	0.346	1.74E-25	0.014	0.016	0.375	0.029	108.808	TRUE	6.39E-24
COPD in ever smokers	RPTOR	cg01476242	rs4969443	G	A	-0.252	0.031	0.184	1.40E-16	0.035	0.019	0.073	0.018	68.267	TRUE	5.23E-15
COPD in ever smokers	RPTOR	cg01498832	rs34177980	T	C	0.233	0.030	0.199	3.12E-15	-0.014	0.019	0.457	0.017	62.158	TRUE	2.40E-14
COPD in ever smokers	RPTOR	cg01498832	rs6565476	T	C	-0.296	0.029	0.220	3.35E-25	0.009	0.018	0.610	0.028	107.506	TRUE	6.25E-24
COPD in ever smokers	RPTOR	cg01516792	rs11150741	G	A	0.367	0.025	0.366	4.54E-50	0.008	0.015	0.624	0.056	221.253	TRUE	2.90E-47
COPD in ever smokers	RPTOR	cg01516792	rs117209908	A	G	0.338	0.050	0.059	2.04E-11	0.072	0.031	0.021	0.012	44.906	TRUE	5.37E-10
COPD in ever smokers	RPTOR	cg01516792	rs118182693	G	A	-0.375	0.057	0.042	3.78E-11	-0.049	0.038	0.200	0.012	43.702	TRUE	3.16E-10
COPD in ever smokers	RPTOR	cg01516792	rs11870398	T	C	-0.195	0.024	0.387	9.07E-16	0.013	0.015	0.399	0.017	64.588	TRUE	8.54E-15
COPD in ever smokers	RPTOR	cg01516792	rs144443274	T	C	0.179	0.031	0.178	6.10E-09	-0.004	0.020	0.824	0.009	33.783	TRUE	1.31E-08
COPD in ever smokers	RPTOR	cg01516792	rs80146578	T	C	0.130	0.024	0.425	4.81E-08	-0.014	0.016	0.367	0.008	29.777	TRUE	1.77E-07
COPD in ever smokers	RPTOR	cg01516792	rs8073414	G	A	-0.172	0.025	0.353	4.97E-12	0.019	0.015	0.212	0.013	47.674	TRUE	4.58E-11
COPD in ever smokers	RPTOR	cg01516792	rs9915667	A	G	-0.187	0.024	0.438	1.68E-15	-0.018	0.015	0.222	0.017	63.371	TRUE	2.50E-14
COPD in ever smokers	RPTOR	cg01561259	rs117736066	G	A	-0.305	0.041	0.088	1.55E-13	-0.038	0.027	0.159	0.015	54.473	TRUE	2.17E-12
COPD in ever smokers	RPTOR	cg01561259	rs146289225	T	C	0.478	0.073	0.057	6.13E-11	0.023	0.032	0.471	0.011	42.756	TRUE	2.72E-10
COPD in ever smokers	RPTOR	cg01561259	rs201407779	A	G	-0.421	0.041	0.090	7.34E-25	-0.022	0.026	0.397	0.028	105.952	TRUE	2.32E-23
COPD in ever smokers	RPTOR	cg01561259	rs3829572	G	A	-0.143	0.024	0.389	4.28E-09	0.021	0.015	0.163	0.009	34.472	TRUE	2.91E-08
COPD in ever smokers	RPTOR	cg01561259	rs4396581	T	C	0.306	0.023	0.491	6.18E-39	0.016	0.015	0.270	0.044	170.268	TRUE	2.61E-36
COPD in ever smokers	RPTOR	cg01561259	rs62070201	A	G	0.316	0.044	0.069	4.97E-13	-0.004	0.028	0.883	0.014	52.187	TRUE	1.43E-12
COPD in ever smokers	RPTOR	cg01561259	rs7221014	T	C	0.386	0.024	0.382	1.47E-58	0.023	0.015	0.136	0.066	260.167	TRUE	5.38E-54
COPD in ever smokers	RPTOR	cg01561259	rs72853711	C	T	-0.255	0.037	0.115	4.83E-12	-0.044	0.024	0.073	0.013	47.730	TRUE	8.15E-11
COPD in ever smokers	RPTOR	cg01886663	rs7210742	A	G	0.143	0.023	0.444	1.01E-09	0.000	0.015	0.991	0.010	37.293	TRUE	1.87E-09
COPD in ever smokers	RPTOR	cg01886663	rs8064817	T	C	-0.315	0.032	0.168	3.20E-23	-0.009	0.020	0.655	0.026	98.478	TRUE	4.22E-22
COPD in ever smokers	RPTOR	cg01911440	rs114387751	T	C	0.259	0.043	0.081	2.54E-09	-0.018	0.028	0.507	0.010	35.488	TRUE	8.77E-09
COPD in ever smokers	RPTOR	cg02033669	rs1468033	G	A	0.181	0.023	0.437	4.41E-15	0.011	0.015	0.488	0.016	61.473	TRUE	3.14E-14

COPD in ever smokers	RPTOR	cg02185248	rs117117100	A	G	0.505	0.075	0.024	2.28E-11	0.022	0.045	0.623	0.012	44.694	TRUE	8.27E-11
COPD in ever smokers	RPTOR	cg02185248	rs117209908	A	G	0.539	0.050	0.059	7.01E-27	0.072	0.031	0.021	0.030	115.168	TRUE	3.65E-24
COPD in ever smokers	RPTOR	cg02185248	rs12452137	G	A	0.726	0.026	0.249	1.85E-169	0.012	0.017	0.484	0.172	769.529	TRUE	3.74E-153
COPD in ever smokers	RPTOR	cg02185248	rs139062305	A	G	-0.346	0.052	0.063	2.31E-11	-0.027	0.030	0.367	0.012	44.668	TRUE	1.32E-10
COPD in ever smokers	RPTOR	cg02185248	rs2873061	A	G	-0.319	0.024	0.367	6.46E-40	0.016	0.016	0.305	0.045	174.754	TRUE	2.72E-37
COPD in ever smokers	RPTOR	cg02185248	rs35832855	C	T	0.136	0.024	0.436	9.56E-09	-0.008	0.015	0.610	0.009	32.911	TRUE	2.66E-08
COPD in ever smokers	RPTOR	cg02185248	rs4969429	A	G	0.274	0.026	0.273	1.76E-25	-0.007	0.017	0.685	0.029	108.780	TRUE	2.85E-24
COPD in ever smokers	RPTOR	cg02185248	rs56195589	C	T	0.390	0.051	0.134	1.75E-14	-0.010	0.022	0.639	0.016	58.763	TRUE	8.71E-14
COPD in ever smokers	RPTOR	cg02185248	rs62067893	T	C	0.574	0.069	0.037	1.31E-16	0.021	0.042	0.622	0.018	68.398	TRUE	8.54E-16
COPD in ever smokers	RPTOR	cg02185248	rs6565695	T	C	-0.160	0.024	0.386	3.48E-11	0.012	0.015	0.411	0.012	43.863	TRUE	1.78E-10
COPD in ever smokers	RPTOR	cg02185248	rs72853735	G	A	0.331	0.036	0.118	5.00E-20	-0.016	0.024	0.508	0.022	83.935	TRUE	6.23E-19
COPD in ever smokers	RPTOR	cg02240665	rs11150746	G	A	-0.136	0.025	0.332	4.21E-08	0.024	0.016	0.116	0.008	30.032	TRUE	2.85E-07
COPD in ever smokers	RPTOR	cg02240665	rs7211095	T	G	-0.203	0.024	0.456	6.34E-18	-0.004	0.015	0.779	0.020	74.371	TRUE	3.55E-17
COPD in ever smokers	RPTOR	cg02243479	rs2289762	A	G	-0.333	0.026	0.245	1.95E-36	0.007	0.017	0.679	0.041	158.831	TRUE	1.34E-34
COPD in ever smokers	RPTOR	cg02243479	rs2289764	C	T	0.156	0.027	0.241	1.16E-08	-0.022	0.018	0.222	0.009	32.537	TRUE	6.26E-08
COPD in ever smokers	RPTOR	cg02251850	rs117763980	T	C	0.319	0.055	0.043	6.30E-09	0.016	0.036	0.655	0.009	33.722	TRUE	1.68E-08
COPD in ever smokers	RPTOR	cg02251850	rs2289762	A	G	0.573	0.026	0.245	3.66E-107	0.007	0.017	0.679	0.116	483.260	TRUE	2.38E-99
COPD in ever smokers	RPTOR	cg02251850	rs34781048	A	G	0.157	0.024	0.434	7.20E-11	-0.002	0.015	0.906	0.011	42.441	TRUE	1.65E-10
COPD in ever smokers	RPTOR	cg02251850	rs62068460	T	C	-0.462	0.027	0.231	1.72E-63	-0.019	0.018	0.278	0.071	282.790	TRUE	5.62E-59
COPD in ever smokers	RPTOR	cg02251850	rs7207052	T	C	0.240	0.043	0.196	1.89E-08	0.013	0.018	0.466	0.008	31.586	TRUE	6.26E-08
COPD in ever smokers	RPTOR	cg02254800	rs77734083	A	G	0.830	0.089	0.018	1.51E-20	0.074	0.051	0.141	0.023	86.305	TRUE	6.81E-19
COPD in ever smokers	RPTOR	cg02284802	rs2589156	A	G	0.200	0.034	0.138	6.62E-09	0.043	0.022	0.047	0.009	33.625	TRUE	7.60E-08
COPD in ever smokers	RPTOR	cg02403929	rs8082382	C	T	-0.133	0.024	0.420	2.53E-08	0.012	0.015	0.423	0.008	31.022	TRUE	8.81E-08
COPD in ever smokers	RPTOR	cg02671711	rs9899051	A	G	-0.242	0.024	0.464	8.88E-25	-0.001	0.015	0.962	0.028	105.575	TRUE	7.19E-24
COPD in ever smokers	RPTOR	cg02675920	rs117429647	G	A	0.339	0.061	0.039	2.89E-08	0.018	0.038	0.637	0.008	30.765	TRUE	7.37E-08
COPD in ever smokers	RPTOR	cg02675920	rs12943620	T	G	-0.257	0.027	0.225	3.23E-21	-0.037	0.018	0.038	0.024	89.347	TRUE	4.05E-19
COPD in ever smokers	RPTOR	cg02675920	rs28742979	G	A	-0.185	0.027	0.262	8.82E-12	0.012	0.017	0.491	0.012	46.548	TRUE	4.19E-11
COPD in ever smokers	RPTOR	cg02675920	rs4890053	G	A	-0.251	0.024	0.467	1.65E-26	-0.024	0.016	0.129	0.030	113.470	TRUE	2.07E-24
COPD in ever smokers	RPTOR	cg02675920	rs62069371	T	C	-0.859	0.041	0.084	7.96E-97	-0.016	0.027	0.541	0.105	435.785	TRUE	8.32E-90
COPD in ever smokers	RPTOR	cg02675920	rs7207154	C	T	0.352	0.052	0.131	8.82E-12	-0.005	0.022	0.814	0.012	46.550	TRUE	2.51E-11
COPD in ever smokers	RPTOR	cg02675920	rs7208789	T	C	0.330	0.039	0.107	2.06E-17	-0.009	0.025	0.710	0.019	72.049	TRUE	1.24E-16
COPD in ever smokers	RPTOR	cg02675920	rs7209132	C	T	0.534	0.024	0.365	3.92E-108	0.009	0.016	0.584	0.116	487.715	TRUE	5.23E-100
COPD in ever smokers	RPTOR	cg02675920	rs72853735	G	A	0.251	0.036	0.118	4.37E-12	-0.016	0.024	0.508	0.013	47.925	TRUE	2.09E-11
COPD in ever smokers	RPTOR	cg02675920	rs74003912	A	G	0.168	0.030	0.199	1.35E-08	-0.025	0.019	0.186	0.009	32.248	TRUE	7.88E-08
COPD in ever smokers	RPTOR	cg02675920	rs9902224	G	A	0.224	0.024	0.480	1.71E-21	-0.001	0.015	0.969	0.024	90.604	TRUE	9.67E-21
COPD in ever smokers	RPTOR	cg02878831	rs11868966	C	A	-0.270	0.032	0.167	2.25E-17	-0.010	0.020	0.637	0.019	71.872	TRUE	1.55E-16
COPD in ever smokers	RPTOR	cg02878831	rs4969306	C	T	0.150	0.025	0.317	2.32E-09	0.006	0.016	0.725	0.010	35.661	TRUE	5.92E-09
COPD in ever smokers	RPTOR	cg03052541	rs370137211	T	C	-0.252	0.027	0.216	4.17E-20	0.016	0.019	0.414	0.022	84.293	TRUE	6.63E-19
COPD in ever smokers	RPTOR	cg03052541	rs6565502	G	A	-0.379	0.024	0.394	2.01E-57	0.006	0.015	0.698	0.064	254.959	TRUE	3.40E-54
COPD in ever smokers	RPTOR	cg03052541	rs868432	A	G	-0.172	0.023	0.444	8.35E-14	-0.013	0.015	0.403	0.015	55.691	TRUE	6.05E-13
COPD in ever smokers	RPTOR	cg03443590	rs10468605	C	T	0.865	0.019	0.407	<1E-200	0.026	0.015	0.086	0.351	2002.666	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg03443590	rs113059224	A	G	-0.444	0.043	0.070	4.02E-25	0.032	0.024	0.185	0.028	107.142	TRUE	2.95E-23

COPD in ever smokers	RPTOR	cg03443590	rs11651724	A	G	-0.279	0.037	0.117	4.75E-14	0.013	0.023	0.580	0.015	56.798	TRUE	2.51E-13
COPD in ever smokers	RPTOR	cg03443590	rs11653338	T	C	-0.216	0.024	0.495	3.65E-20	0.015	0.015	0.330	0.022	84.557	TRUE	7.40E-19
COPD in ever smokers	RPTOR	cg03443590	rs117209908	A	G	0.422	0.050	0.059	5.39E-17	0.072	0.031	0.021	0.019	70.150	TRUE	4.30E-15
COPD in ever smokers	RPTOR	cg03443590	rs2340773	T	C	-0.224	0.037	0.116	2.02E-09	-0.004	0.024	0.855	0.010	35.933	TRUE	4.37E-09
COPD in ever smokers	RPTOR	cg03443590	rs35904260	G	A	-0.403	0.023	0.445	1.87E-68	-0.001	0.015	0.940	0.076	305.556	TRUE	9.48E-65
COPD in ever smokers	RPTOR	cg03443590	rs56043926	A	G	0.568	0.053	0.046	1.93E-26	0.031	0.034	0.368	0.030	113.157	TRUE	8.30E-25
COPD in ever smokers	RPTOR	cg03443590	rs62068299	G	A	0.459	0.041	0.091	2.04E-29	-0.017	0.026	0.511	0.033	126.744	TRUE	8.59E-28
COPD in ever smokers	RPTOR	cg03443590	rs72856013	A	G	-0.450	0.036	0.120	3.01E-36	-0.017	0.024	0.476	0.041	157.973	TRUE	3.71E-34
COPD in ever smokers	RPTOR	cg03443590	rs77591050	T	C	0.558	0.045	0.077	1.36E-35	-0.023	0.029	0.425	0.040	154.979	TRUE	1.81E-33
COPD in ever smokers	RPTOR	cg03443590	rs78230659	G	A	-0.142	0.025	0.324	1.25E-08	0.000	0.016	0.979	0.009	32.387	TRUE	2.17E-08
COPD in ever smokers	RPTOR	cg03502601	rs11656246	A	G	-0.356	0.027	0.241	6.48E-41	0.006	0.017	0.717	0.046	179.325	TRUE	7.54E-39
COPD in ever smokers	RPTOR	cg03502601	rs12948647	A	G	0.284	0.046	0.125	4.87E-10	0.020	0.022	0.366	0.010	38.709	TRUE	2.34E-09
COPD in ever smokers	RPTOR	cg03502601	rs12952861	A	G	0.445	0.029	0.202	1.26E-53	0.000	0.019	0.994	0.060	237.551	TRUE	4.31E-51
COPD in ever smokers	RPTOR	cg03502601	rs13341621	A	G	0.417	0.050	0.080	6.47E-17	0.042	0.029	0.139	0.019	69.789	TRUE	1.68E-15
COPD in ever smokers	RPTOR	cg03502601	rs149099062	A	G	1.045	0.139	0.015	6.65E-14	-0.163	0.062	0.009	0.015	56.138	TRUE	4.23E-12
COPD in ever smokers	RPTOR	cg03502601	rs2289764	C	T	1.143	0.020	0.241	<1E-200	-0.022	0.018	0.222	0.469	3272.956	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg03502601	rs56273414	C	T	0.238	0.033	0.146	7.30E-13	-0.013	0.022	0.538	0.014	51.434	TRUE	3.62E-12
COPD in ever smokers	RPTOR	cg03502601	rs62067893	T	C	0.393	0.070	0.037	1.65E-08	0.021	0.042	0.622	0.009	31.852	TRUE	4.40E-08
COPD in ever smokers	RPTOR	cg03502601	rs62068487	A	G	-0.342	0.025	0.319	2.59E-42	0.004	0.016	0.811	0.048	185.725	TRUE	2.81E-40
COPD in ever smokers	RPTOR	cg03502601	rs7217223	T	C	0.169	0.026	0.297	6.69E-11	-0.002	0.016	0.891	0.011	42.583	TRUE	1.57E-10
COPD in ever smokers	RPTOR	cg03502601	rs72852923	T	C	0.310	0.050	0.068	5.81E-10	-0.054	0.030	0.070	0.010	38.364	TRUE	6.89E-09
COPD in ever smokers	RPTOR	cg03502601	rs72859646	T	C	0.645	0.068	0.026	2.96E-21	-0.042	0.046	0.359	0.024	89.521	TRUE	6.39E-20
COPD in ever smokers	RPTOR	cg03502601	rs77183052	A	G	1.147	0.170	0.012	1.39E-11	0.049	0.068	0.471	0.012	45.658	TRUE	6.69E-11
COPD in ever smokers	RPTOR	cg03502601	rs908235	A	G	-0.199	0.031	0.191	8.73E-11	-0.011	0.019	0.566	0.011	42.065	TRUE	3.26E-10
COPD in ever smokers	RPTOR	cg03513049	rs112356065	G	T	0.177	0.028	0.224	3.83E-10	-0.020	0.018	0.254	0.010	39.174	TRUE	2.39E-09
COPD in ever smokers	RPTOR	cg03513049	rs1131609	A	G	-0.251	0.027	0.243	4.09E-21	-0.037	0.017	0.035	0.023	88.884	TRUE	5.27E-19
COPD in ever smokers	RPTOR	cg03513049	rs2291360	A	G	0.222	0.025	0.367	3.44E-19	0.010	0.015	0.504	0.021	80.125	TRUE	3.90E-18
COPD in ever smokers	RPTOR	cg03513049	rs28742979	G	A	-0.245	0.027	0.262	1.34E-19	0.012	0.017	0.491	0.022	81.989	TRUE	1.65E-18
COPD in ever smokers	RPTOR	cg03513049	rs4890053	G	A	-0.164	0.024	0.467	3.91E-12	-0.024	0.016	0.129	0.013	48.141	TRUE	4.95E-11
COPD in ever smokers	RPTOR	cg03513049	rs58691767	T	C	-1.137	0.040	0.084	7.76E-178	-0.019	0.027	0.483	0.179	808.036	TRUE	2.87E-160
COPD in ever smokers	RPTOR	cg03513049	rs9895714	C	A	0.229	0.023	0.426	5.87E-23	-0.025	0.015	0.095	0.026	97.277	TRUE	5.34E-21
COPD in ever smokers	RPTOR	cg03533386	rs11652074	A	G	-0.287	0.036	0.117	3.79E-15	0.014	0.023	0.548	0.016	61.773	TRUE	2.41E-14
COPD in ever smokers	RPTOR	cg03533386	rs72853711	C	T	0.201	0.036	0.115	3.12E-08	-0.044	0.024	0.073	0.008	30.617	TRUE	2.62E-07
COPD in ever smokers	RPTOR	cg03533386	rs8064620	T	G	-0.136	0.024	0.382	1.20E-08	0.022	0.015	0.141	0.009	32.473	TRUE	8.14E-08
COPD in ever smokers	RPTOR	cg03641032	rs113335931	G	A	-0.393	0.032	0.150	3.37E-34	-0.015	0.021	0.476	0.039	148.601	TRUE	3.08E-32
COPD in ever smokers	RPTOR	cg03641032	rs2672878	T	C	0.260	0.026	0.263	3.34E-23	0.007	0.017	0.669	0.026	98.395	TRUE	4.25E-22
COPD in ever smokers	RPTOR	cg03641032	rs2878052	A	G	0.898	0.025	0.228	7.37E-287	-0.005	0.018	0.770	0.261	1309.351	TRUE	2.12E-250
COPD in ever smokers	RPTOR	cg03641032	rs56960771	T	C	0.181	0.025	0.310	8.09E-13	-0.017	0.016	0.286	0.014	51.233	TRUE	6.77E-12
COPD in ever smokers	RPTOR	cg03641032	rs62068550	A	G	-0.691	0.034	0.143	9.41E-93	-0.021	0.022	0.332	0.101	417.081	TRUE	1.23E-85
COPD in ever smokers	RPTOR	cg03641032	rs74004829	C	T	0.401	0.043	0.092	1.99E-20	0.034	0.026	0.193	0.023	85.758	TRUE	6.83E-19
COPD in ever smokers	RPTOR	cg03641032	rs868432	A	G	0.773	0.020	0.444	<1E-200	-0.013	0.015	0.403	0.281	1443.188	TRUE	8.01E-272
COPD in ever smokers	RPTOR	cg03641032	rs9897319	A	G	0.377	0.025	0.354	3.13E-52	0.002	0.016	0.899	0.059	231.158	TRUE	1.16E-49

COPD in ever smokers	RPTOR	cg03641032	rs9897437	C	A	-0.627	0.033	0.131	1.98E-78	-0.005	0.022	0.816	0.087	351.330	TRUE	1.09E-73
COPD in ever smokers	RPTOR	cg03794617	rs11150745	G	A	-0.338	0.025	0.314	1.48E-41	-0.021	0.016	0.195	0.047	182.257	TRUE	1.47E-38
COPD in ever smokers	RPTOR	cg03794617	rs11655574	A	G	0.153	0.025	0.361	1.00E-09	0.022	0.016	0.166	0.010	37.300	TRUE	7.47E-09
COPD in ever smokers	RPTOR	cg03794617	rs28377011	C	T	-0.231	0.042	0.082	3.90E-08	-0.023	0.028	0.399	0.008	30.181	TRUE	1.38E-07
COPD in ever smokers	RPTOR	cg03794617	rs4969424	A	C	0.518	0.037	0.117	1.19E-45	-0.003	0.024	0.913	0.052	201.019	TRUE	1.55E-43
COPD in ever smokers	RPTOR	cg03794617	rs62070202	T	C	-0.292	0.042	0.079	3.32E-12	-0.024	0.028	0.377	0.013	48.462	TRUE	2.07E-11
COPD in ever smokers	RPTOR	cg03794617	rs7210110	A	G	-0.385	0.029	0.200	2.10E-39	0.008	0.019	0.652	0.045	172.412	TRUE	2.38E-37
COPD in ever smokers	RPTOR	cg03794617	rs8069320	C	A	-0.169	0.024	0.490	8.73E-13	0.017	0.015	0.260	0.014	51.083	TRUE	7.80E-12
COPD in ever smokers	RPTOR	cg03890538	rs11658452	G	A	0.318	0.027	0.244	4.17E-32	-0.018	0.017	0.299	0.036	139.033	TRUE	5.28E-30
COPD in ever smokers	RPTOR	cg03890538	rs34048269	A	G	0.213	0.030	0.205	6.71E-13	-0.008	0.019	0.660	0.014	51.600	TRUE	2.71E-12
COPD in ever smokers	RPTOR	cg04191427	rs11150746	G	A	0.239	0.025	0.332	5.44E-22	0.024	0.016	0.116	0.024	92.872	TRUE	3.60E-20
COPD in ever smokers	RPTOR	cg04295549	rs2340773	T	C	-0.355	0.037	0.116	3.64E-22	-0.004	0.024	0.855	0.025	93.665	TRUE	2.77E-21
COPD in ever smokers	RPTOR	cg04295549	rs62648832	G	A	-0.148	0.023	0.440	1.31E-10	-0.008	0.015	0.580	0.011	41.273	TRUE	4.68E-10
COPD in ever smokers	RPTOR	cg04658243	rs1128687	C	T	-0.138	0.024	0.420	4.36E-09	-0.018	0.015	0.234	0.009	34.436	TRUE	2.44E-08
COPD in ever smokers	RPTOR	cg04658243	rs11868966	C	A	1.049	0.028	0.167	<1E-200	-0.010	0.020	0.637	0.280	1441.589	TRUE	1.75E-272
COPD in ever smokers	RPTOR	cg04658243	rs13341621	A	G	0.377	0.050	0.080	4.66E-14	0.042	0.029	0.139	0.015	56.839	TRUE	7.69E-13
COPD in ever smokers	RPTOR	cg04658243	rs149099062	A	G	0.951	0.140	0.015	9.65E-12	-0.163	0.062	0.009	0.012	46.372	TRUE	3.83E-10
COPD in ever smokers	RPTOR	cg04658243	rs55993113	G	A	0.156	0.028	0.219	2.67E-08	0.002	0.018	0.892	0.008	30.916	TRUE	5.00E-08
COPD in ever smokers	RPTOR	cg04658243	rs56273414	C	T	0.238	0.033	0.146	8.54E-13	-0.013	0.022	0.538	0.014	51.127	TRUE	4.20E-12
COPD in ever smokers	RPTOR	cg04658243	rs62067893	T	C	0.402	0.070	0.037	7.66E-09	0.021	0.042	0.622	0.009	33.343	TRUE	2.12E-08
COPD in ever smokers	RPTOR	cg04658243	rs62068487	A	G	-0.254	0.025	0.319	8.99E-24	0.004	0.016	0.811	0.027	100.990	TRUE	8.98E-23
COPD in ever smokers	RPTOR	cg04658243	rs7208823	G	A	0.163	0.028	0.247	3.66E-09	0.012	0.017	0.470	0.009	34.780	TRUE	1.31E-08
COPD in ever smokers	RPTOR	cg04658243	rs7502321	C	T	0.147	0.024	0.386	9.53E-10	0.016	0.015	0.298	0.010	37.399	TRUE	5.06E-09
COPD in ever smokers	RPTOR	cg04658243	rs7502841	A	G	0.380	0.027	0.232	5.45E-44	-0.004	0.018	0.815	0.050	193.406	TRUE	7.46E-42
COPD in ever smokers	RPTOR	cg04662369	rs111396639	A	G	-0.575	0.026	0.258	4.61E-109	0.017	0.018	0.349	0.117	491.986	TRUE	3.11E-100
COPD in ever smokers	RPTOR	cg04662369	rs11150747	T	C	-0.331	0.027	0.249	3.22E-34	-0.002	0.017	0.922	0.039	148.692	TRUE	8.68E-33
COPD in ever smokers	RPTOR	cg04662369	rs11651724	A	G	-0.466	0.037	0.117	7.94E-37	0.013	0.023	0.580	0.042	160.617	TRUE	7.69E-35
COPD in ever smokers	RPTOR	cg04662369	rs117209908	A	G	-0.530	0.050	0.059	5.47E-26	0.072	0.031	0.021	0.029	111.096	TRUE	2.41E-23
COPD in ever smokers	RPTOR	cg04662369	rs118107399	T	C	1.294	0.148	0.014	1.96E-18	0.032	0.067	0.630	0.020	76.684	TRUE	1.55E-17
COPD in ever smokers	RPTOR	cg04662369	rs12949279	C	T	0.869	0.018	0.440	<1E-200	-0.015	0.015	0.302	0.374	2211.170	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg04662369	rs146029097	C	A	-0.254	0.043	0.164	5.29E-09	-0.007	0.020	0.712	0.009	34.060	TRUE	1.32E-08
COPD in ever smokers	RPTOR	cg04662369	rs2340772	C	A	1.156	0.034	0.117	4.08E-249	-0.004	0.024	0.866	0.235	1135.772	TRUE	1.80E-220
COPD in ever smokers	RPTOR	cg04662369	rs28364735	C	T	-0.242	0.025	0.280	1.55E-21	0.001	0.016	0.947	0.024	90.798	TRUE	9.19E-21
COPD in ever smokers	RPTOR	cg04662369	rs4426398	T	C	0.228	0.034	0.139	1.28E-11	-0.038	0.022	0.087	0.012	45.818	TRUE	1.84E-10
COPD in ever smokers	RPTOR	cg04662369	rs4453556	G	A	0.133	0.024	0.417	2.18E-08	0.000	0.015	0.980	0.008	31.311	TRUE	3.70E-08
COPD in ever smokers	RPTOR	cg04662369	rs4969282	T	G	0.198	0.033	0.139	2.90E-09	0.017	0.021	0.424	0.009	35.232	TRUE	1.14E-08
COPD in ever smokers	RPTOR	cg04662369	rs4969427	A	G	-0.325	0.031	0.179	3.13E-26	-0.005	0.020	0.792	0.029	112.203	TRUE	4.34E-25
COPD in ever smokers	RPTOR	cg04662369	rs56111062	G	A	-0.344	0.024	0.379	4.48E-47	0.019	0.015	0.214	0.053	207.536	TRUE	1.03E-43
COPD in ever smokers	RPTOR	cg04662369	rs62067893	T	C	-0.666	0.069	0.037	6.76E-22	0.021	0.042	0.622	0.024	92.441	TRUE	8.17E-21
COPD in ever smokers	RPTOR	cg04662369	rs72858264	C	A	0.497	0.066	0.031	5.47E-14	0.014	0.045	0.753	0.015	56.521	TRUE	2.13E-13
COPD in ever smokers	RPTOR	cg04789650	rs113059224	A	G	-0.273	0.043	0.070	2.52E-10	0.032	0.024	0.185	0.011	39.994	TRUE	1.95E-09
COPD in ever smokers	RPTOR	cg04789650	rs11548824	A	G	-0.247	0.034	0.154	1.81E-13	-0.001	0.019	0.949	0.014	54.171	TRUE	4.91E-13

COPD in ever smokers	RPTOR	cg04789650	rs117763980	T	C	-0.481	0.055	0.043	1.62E-18	0.016	0.036	0.655	0.020	77.061	TRUE	1.23E-17
COPD in ever smokers	RPTOR	cg04789650	rs139078473	A	G	-0.341	0.051	0.052	2.64E-11	0.004	0.032	0.910	0.012	44.407	TRUE	6.25E-11
COPD in ever smokers	RPTOR	cg04789650	rs2004184	C	T	-0.401	0.026	0.265	4.39E-54	0.009	0.017	0.574	0.061	239.651	TRUE	6.54E-51
COPD in ever smokers	RPTOR	cg04789650	rs34781048	A	G	-0.331	0.024	0.434	6.33E-44	-0.002	0.015	0.906	0.050	193.107	TRUE	6.58E-42
COPD in ever smokers	RPTOR	cg04789650	rs4969300	A	G	0.593	0.035	0.120	7.28E-65	-0.001	0.023	0.980	0.072	289.083	TRUE	1.69E-61
COPD in ever smokers	RPTOR	cg04789650	rs55803650	A	C	-0.525	0.092	0.017	1.29E-08	0.007	0.055	0.891	0.009	32.325	TRUE	2.49E-08
COPD in ever smokers	RPTOR	cg04789650	rs56960771	T	C	-0.199	0.025	0.310	3.14E-15	-0.017	0.016	0.286	0.017	62.145	TRUE	3.67E-14
COPD in ever smokers	RPTOR	cg04789650	rs67198902	G	T	-0.277	0.031	0.186	1.58E-19	-0.012	0.019	0.545	0.022	81.666	TRUE	1.70E-18
COPD in ever smokers	RPTOR	cg04789650	rs68130532	C	T	0.208	0.030	0.198	3.68E-12	-0.025	0.020	0.205	0.013	48.261	TRUE	3.53E-11
COPD in ever smokers	RPTOR	cg04789650	rs7225241	T	C	-0.216	0.035	0.137	5.12E-10	0.004	0.022	0.857	0.010	38.609	TRUE	1.16E-09
COPD in ever smokers	RPTOR	cg04789650	rs72850576	A	C	0.226	0.033	0.155	5.05E-12	-0.014	0.020	0.480	0.013	47.641	TRUE	2.52E-11
COPD in ever smokers	RPTOR	cg04789650	rs7503237	G	A	0.852	0.020	0.449	<1E-200	0.002	0.015	0.882	0.340	1908.217	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg04789650	rs9903399	C	T	-0.312	0.041	0.222	1.45E-14	0.016	0.018	0.375	0.016	59.137	TRUE	1.23E-13
COPD in ever smokers	RPTOR	cg05064567	rs11656061	A	G	0.209	0.024	0.436	2.06E-18	-0.005	0.015	0.741	0.020	76.592	TRUE	1.31E-17
COPD in ever smokers	RPTOR	cg05064567	rs12952861	A	G	-0.248	0.029	0.202	1.80E-17	0.000	0.019	0.994	0.019	72.315	TRUE	6.53E-17
COPD in ever smokers	RPTOR	cg05064567	rs13341621	A	G	-0.326	0.050	0.080	6.74E-11	0.042	0.029	0.139	0.011	42.569	TRUE	6.71E-10
COPD in ever smokers	RPTOR	cg05064567	rs2289766	G	A	-0.904	0.030	0.167	4.19E-196	-0.007	0.020	0.721	0.194	892.018	TRUE	2.34E-176
COPD in ever smokers	RPTOR	cg05064567	rs6565489	A	C	-0.204	0.024	0.455	4.86E-18	0.000	0.015	0.977	0.020	74.896	TRUE	1.92E-17
COPD in ever smokers	RPTOR	cg05064567	rs9912092	G	A	-0.222	0.023	0.499	7.63E-22	0.011	0.015	0.482	0.024	92.201	TRUE	1.28E-20
COPD in ever smokers	RPTOR	cg05098037	rs11150745	G	A	-0.281	0.025	0.314	7.03E-29	-0.021	0.016	0.195	0.033	124.293	TRUE	8.74E-27
COPD in ever smokers	RPTOR	cg05098037	rs11655574	A	G	0.172	0.025	0.361	6.74E-12	0.022	0.016	0.166	0.013	47.075	TRUE	7.08E-11
COPD in ever smokers	RPTOR	cg05098037	rs118107399	T	C	0.937	0.149	0.014	2.83E-10	0.032	0.067	0.630	0.011	39.764	TRUE	9.05E-10
COPD in ever smokers	RPTOR	cg05098037	rs12940318	T	C	-0.214	0.024	0.431	1.87E-19	0.002	0.015	0.891	0.022	81.323	TRUE	9.98E-19
COPD in ever smokers	RPTOR	cg05098037	rs28872794	C	T	-0.191	0.024	0.493	3.96E-16	0.017	0.015	0.249	0.018	66.219	TRUE	5.90E-15
COPD in ever smokers	RPTOR	cg05098037	rs35926934	A	G	0.882	0.036	0.117	1.62E-135	-0.005	0.024	0.841	0.142	613.522	TRUE	9.43E-125
COPD in ever smokers	RPTOR	cg05098037	rs62070202	T	C	-0.257	0.042	0.079	9.38E-10	-0.024	0.028	0.377	0.010	37.430	TRUE	4.25E-09
COPD in ever smokers	RPTOR	cg05098037	rs734338	A	G	-0.187	0.023	0.497	1.34E-15	0.010	0.015	0.501	0.017	63.817	TRUE	9.87E-15
COPD in ever smokers	RPTOR	cg05337636	rs10468603	C	T	-0.268	0.024	0.413	2.45E-29	-0.002	0.015	0.888	0.033	126.378	TRUE	3.95E-28
COPD in ever smokers	RPTOR	cg05337636	rs11150746	G	A	-0.164	0.025	0.332	3.86E-11	0.024	0.016	0.116	0.012	43.659	TRUE	4.39E-10
COPD in ever smokers	RPTOR	cg05337636	rs12948054	T	C	0.240	0.040	0.091	1.37E-09	0.016	0.024	0.499	0.010	36.695	TRUE	4.93E-09
COPD in ever smokers	RPTOR	cg05337636	rs4969429	A	G	-0.190	0.026	0.273	5.76E-13	-0.007	0.017	0.685	0.014	51.899	TRUE	2.25E-12
COPD in ever smokers	RPTOR	cg05395366	rs2271607	C	T	0.417	0.029	0.220	4.17E-48	-0.006	0.018	0.728	0.054	212.258	TRUE	1.39E-45
COPD in ever smokers	RPTOR	cg05395366	rs7220687	C	T	0.143	0.026	0.289	3.77E-08	0.005	0.017	0.784	0.008	30.249	TRUE	7.92E-08
COPD in ever smokers	RPTOR	cg05548508	rs4969277	T	C	0.250	0.030	0.184	1.61E-16	0.035	0.019	0.071	0.018	67.991	TRUE	6.06E-15
COPD in ever smokers	RPTOR	cg05651511	rs117429647	G	A	-0.369	0.061	0.039	1.41E-09	0.018	0.038	0.637	0.010	36.634	TRUE	4.14E-09
COPD in ever smokers	RPTOR	cg05651511	rs12942109	G	A	0.237	0.024	0.417	7.45E-24	-0.012	0.015	0.445	0.027	101.363	TRUE	1.79E-22
COPD in ever smokers	RPTOR	cg05651511	rs72858219	A	G	-0.218	0.029	0.212	1.93E-14	-0.010	0.018	0.581	0.016	58.572	TRUE	1.06E-13
COPD in ever smokers	RPTOR	cg05651511	rs8080789	A	G	0.360	0.037	0.118	7.36E-23	-0.005	0.024	0.848	0.026	96.829	TRUE	6.14E-22
COPD in ever smokers	RPTOR	cg05651511	rs9893680	G	T	-0.160	0.024	0.383	3.76E-11	0.000	0.016	0.991	0.012	43.713	TRUE	7.85E-11
COPD in ever smokers	RPTOR	cg05651511	rs9894401	A	G	-0.395	0.027	0.255	1.31E-48	0.012	0.017	0.487	0.055	214.566	TRUE	1.07E-45
COPD in ever smokers	RPTOR	cg05774614	rs111396639	A	G	0.161	0.027	0.258	1.88E-09	0.017	0.018	0.349	0.010	36.073	TRUE	8.66E-09
COPD in ever smokers	RPTOR	cg05774614	rs1128687	C	T	-0.181	0.024	0.420	1.53E-14	-0.018	0.015	0.234	0.016	59.027	TRUE	1.90E-13

COPD in ever smokers	RPTOR	cg05774614	rs113714895	T	C	-0.270	0.043	0.080	2.67E-10	0.008	0.025	0.737	0.011	39.880	TRUE	7.34E-10
COPD in ever smokers	RPTOR	cg05774614	rs11653179	A	G	0.169	0.031	0.174	3.72E-08	-0.006	0.020	0.743	0.008	30.273	TRUE	8.22E-08
COPD in ever smokers	RPTOR	cg05774614	rs11656246	A	G	-0.446	0.026	0.241	4.04E-64	0.006	0.017	0.717	0.072	285.669	TRUE	2.08E-60
COPD in ever smokers	RPTOR	cg05774614	rs12948647	A	G	0.306	0.046	0.125	2.09E-11	0.020	0.022	0.366	0.012	44.864	TRUE	1.20E-10
COPD in ever smokers	RPTOR	cg05774614	rs12952861	A	G	0.407	0.029	0.202	5.30E-45	0.000	0.019	0.994	0.051	198.040	TRUE	4.99E-43
COPD in ever smokers	RPTOR	cg05774614	rs13341621	A	G	0.471	0.050	0.080	3.11E-21	0.042	0.029	0.139	0.024	89.422	TRUE	1.59E-19
COPD in ever smokers	RPTOR	cg05774614	rs149099062	A	G	1.173	0.139	0.015	3.43E-17	-0.163	0.062	0.009	0.019	71.043	TRUE	4.35E-15
COPD in ever smokers	RPTOR	cg05774614	rs2289764	C	T	0.960	0.024	0.241	<1E-200	-0.022	0.018	0.222	0.310	1660.882	TRUE	6.15E-307
COPD in ever smokers	RPTOR	cg05774614	rs56068957	C	A	0.142	0.024	0.470	1.84E-09	0.012	0.015	0.431	0.010	36.116	TRUE	7.31E-09
COPD in ever smokers	RPTOR	cg05774614	rs56273414	C	T	0.256	0.033	0.146	1.33E-14	-0.013	0.022	0.538	0.016	59.297	TRUE	8.10E-14
COPD in ever smokers	RPTOR	cg05774614	rs62068550	A	G	-0.256	0.035	0.143	1.37E-13	-0.021	0.022	0.332	0.015	54.724	TRUE	1.13E-12
COPD in ever smokers	RPTOR	cg05774614	rs72853711	C	T	0.244	0.037	0.115	3.38E-11	-0.044	0.024	0.073	0.012	43.919	TRUE	4.91E-10
COPD in ever smokers	RPTOR	cg05774614	rs7502321	C	T	0.191	0.024	0.386	2.15E-15	0.016	0.015	0.298	0.017	62.886	TRUE	2.49E-14
COPD in ever smokers	RPTOR	cg05774614	rs75856682	T	C	0.539	0.085	0.044	2.75E-10	-0.029	0.037	0.426	0.011	39.825	TRUE	1.22E-09
COPD in ever smokers	RPTOR	cg05774614	rs8073904	G	A	0.187	0.033	0.141	1.92E-08	0.006	0.022	0.788	0.008	31.557	TRUE	4.13E-08
COPD in ever smokers	RPTOR	cg05774614	rs9897319	A	G	-0.190	0.025	0.354	4.06E-14	0.002	0.016	0.899	0.015	57.108	TRUE	1.27E-13
COPD in ever smokers	RPTOR	cg06153925	rs114101526	T	C	-0.263	0.042	0.085	5.37E-10	-0.039	0.028	0.170	0.010	38.517	TRUE	4.13E-09
COPD in ever smokers	RPTOR	cg06153925	rs118107399	T	C	1.323	0.148	0.014	3.16E-19	0.032	0.067	0.630	0.021	80.291	TRUE	2.74E-18
COPD in ever smokers	RPTOR	cg06153925	rs11869626	C	A	0.161	0.023	0.476	5.68E-12	0.027	0.015	0.068	0.013	47.413	TRUE	9.87E-11
COPD in ever smokers	RPTOR	cg06153925	rs2004184	C	T	-0.157	0.026	0.265	2.17E-09	0.009	0.017	0.574	0.010	35.796	TRUE	6.83E-09
COPD in ever smokers	RPTOR	cg06153925	rs2672901	T	C	0.380	0.024	0.353	2.88E-55	0.006	0.015	0.686	0.062	245.074	TRUE	3.52E-52
COPD in ever smokers	RPTOR	cg06153925	rs72853745	T	C	-0.357	0.036	0.118	3.69E-23	-0.015	0.024	0.518	0.026	98.193	TRUE	6.68E-22
COPD in ever smokers	RPTOR	cg06153925	rs72855137	A	G	-0.182	0.029	0.197	5.75E-10	0.000	0.019	0.984	0.010	38.385	TRUE	1.10E-09
COPD in ever smokers	RPTOR	cg06153925	rs72858219	A	G	-0.306	0.028	0.212	5.82E-27	-0.010	0.018	0.581	0.030	115.534	TRUE	1.46E-25
COPD in ever smokers	RPTOR	cg06153925	rs72859613	T	C	0.517	0.073	0.020	1.52E-12	-0.083	0.051	0.101	0.013	49.991	TRUE	2.36E-11
COPD in ever smokers	RPTOR	cg06153925	rs76584516	G	A	1.207	0.032	0.118	<1E-200	-0.006	0.024	0.803	0.277	1416.642	TRUE	7.88E-269
COPD in ever smokers	RPTOR	cg06153925	rs8069962	G	A	0.148	0.023	0.471	2.27E-10	-0.005	0.015	0.728	0.011	40.198	TRUE	6.36E-10
COPD in ever smokers	RPTOR	cg06153925	rs9894401	A	G	-0.465	0.027	0.255	1.46E-67	0.012	0.017	0.487	0.075	301.459	TRUE	3.61E-63
COPD in ever smokers	RPTOR	cg06153925	rs9895714	C	A	0.360	0.023	0.426	3.31E-55	-0.025	0.015	0.095	0.062	244.799	TRUE	9.84E-51
COPD in ever smokers	RPTOR	cg06154633	rs11653319	T	C	-0.150	0.027	0.291	3.47E-08	-0.030	0.017	0.081	0.008	30.408	TRUE	2.78E-07
COPD in ever smokers	RPTOR	cg06154633	rs12944674	A	G	-0.226	0.025	0.326	7.60E-20	-0.003	0.016	0.841	0.022	83.106	TRUE	4.64E-19
COPD in ever smokers	RPTOR	cg06154633	rs2589129	A	G	-0.381	0.023	0.487	2.43E-62	-0.009	0.015	0.564	0.070	277.507	TRUE	1.62E-58
COPD in ever smokers	RPTOR	cg06154633	rs7222906	C	T	0.215	0.029	0.202	1.82E-13	-0.023	0.018	0.207	0.014	54.166	TRUE	2.10E-12
COPD in ever smokers	RPTOR	cg06154633	rs77183052	A	G	-1.207	0.170	0.012	1.07E-12	0.049	0.068	0.471	0.014	50.687	TRUE	5.88E-12
COPD in ever smokers	RPTOR	cg06154633	rs9897319	A	G	-0.145	0.025	0.354	7.92E-09	0.002	0.016	0.899	0.009	33.277	TRUE	1.54E-08
COPD in ever smokers	RPTOR	cg06343673	rs112172082	G	A	0.258	0.024	0.492	5.59E-28	-0.027	0.016	0.082	0.031	120.179	TRUE	1.33E-25
COPD in ever smokers	RPTOR	cg06343673	rs12943620	T	G	0.163	0.027	0.225	2.28E-09	-0.037	0.018	0.038	0.010	35.700	TRUE	3.11E-08
COPD in ever smokers	RPTOR	cg06343673	rs2090204	T	G	0.250	0.033	0.132	3.97E-14	0.012	0.021	0.566	0.015	57.154	TRUE	2.17E-13
COPD in ever smokers	RPTOR	cg06343673	rs35327093	T	C	0.214	0.029	0.209	2.04E-13	-0.012	0.019	0.510	0.014	53.937	TRUE	1.14E-12
COPD in ever smokers	RPTOR	cg06343673	rs4889856	C	T	-0.260	0.023	0.435	6.51E-29	-0.007	0.015	0.645	0.033	124.446	TRUE	1.78E-27
COPD in ever smokers	RPTOR	cg06343673	rs546161523	T	C	-0.734	0.079	0.036	1.98E-20	0.052	0.039	0.183	0.023	85.761	TRUE	7.16E-19
COPD in ever smokers	RPTOR	cg06343673	rs61735242	T	C	-0.399	0.039	0.103	1.22E-24	0.018	0.024	0.459	0.028	104.938	TRUE	3.14E-23

COPD in ever smokers	RPTOR	cg06343673	rs72849959	C	A	-0.819	0.059	0.044	7.30E-44	0.069	0.035	0.047	0.050	192.825	TRUE	5.02E-40
COPD in ever smokers	RPTOR	cg06343673	rs72853728	C	T	-0.260	0.034	0.144	8.28E-15	-0.007	0.022	0.769	0.016	60.234	TRUE	3.41E-14
COPD in ever smokers	RPTOR	cg06412669	rs11150746	G	A	0.196	0.025	0.332	3.07E-15	0.024	0.016	0.116	0.017	62.190	TRUE	6.84E-14
COPD in ever smokers	RPTOR	cg06412669	rs4969425	A	G	-0.278	0.025	0.320	2.13E-28	0.012	0.016	0.437	0.032	122.095	TRUE	9.68E-27
COPD in ever smokers	RPTOR	cg06418238	rs114177791	T	G	-0.333	0.028	0.215	7.55E-32	-0.013	0.018	0.489	0.036	137.855	TRUE	4.74E-30
COPD in ever smokers	RPTOR	cg06418238	rs117117100	A	G	-0.425	0.076	0.024	1.76E-08	0.022	0.045	0.623	0.009	31.730	TRUE	4.67E-08
COPD in ever smokers	RPTOR	cg06418238	rs117209908	A	G	-0.407	0.050	0.059	6.64E-16	0.072	0.031	0.021	0.017	65.202	TRUE	4.28E-14
COPD in ever smokers	RPTOR	cg06418238	rs118107399	T	C	1.423	0.147	0.014	4.69E-22	0.032	0.067	0.630	0.025	93.163	TRUE	5.68E-21
COPD in ever smokers	RPTOR	cg06418238	rs11869626	C	A	0.180	0.023	0.476	1.51E-14	0.027	0.015	0.068	0.016	59.050	TRUE	4.14E-13
COPD in ever smokers	RPTOR	cg06418238	rs2672901	T	C	0.423	0.024	0.353	1.22E-68	0.006	0.015	0.686	0.076	306.412	TRUE	1.63E-64
COPD in ever smokers	RPTOR	cg06418238	rs4561525	A	G	-0.162	0.030	0.192	4.44E-08	-0.001	0.019	0.971	0.008	29.931	TRUE	7.44E-08
COPD in ever smokers	RPTOR	cg06418238	rs60513142	A	G	-0.516	0.027	0.249	2.92E-82	0.016	0.017	0.361	0.091	368.911	TRUE	2.91E-76
COPD in ever smokers	RPTOR	cg06418238	rs72853719	T	C	-0.279	0.042	0.090	2.69E-11	-0.043	0.028	0.124	0.012	44.369	TRUE	3.04E-10
COPD in ever smokers	RPTOR	cg06418238	rs72856013	A	G	-0.347	0.036	0.120	4.06E-22	-0.017	0.024	0.476	0.025	93.449	TRUE	7.14E-21
COPD in ever smokers	RPTOR	cg06418238	rs72859613	T	C	0.515	0.073	0.020	1.79E-12	-0.083	0.051	0.101	0.013	49.674	TRUE	2.75E-11
COPD in ever smokers	RPTOR	cg06418238	rs76584516	G	A	1.319	0.031	0.118	<1E-200	-0.006	0.024	0.803	0.327	1796.694	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg06418238	rs8069962	G	A	0.209	0.023	0.471	1.99E-19	-0.005	0.015	0.728	0.021	81.209	TRUE	1.44E-18
COPD in ever smokers	RPTOR	cg06418238	rs9895714	C	A	0.383	0.023	0.426	8.58E-63	-0.025	0.015	0.095	0.070	279.584	TRUE	1.19E-57
COPD in ever smokers	RPTOR	cg06443231	rs1471791	A	G	-0.218	0.029	0.199	7.59E-14	-0.014	0.019	0.454	0.015	55.878	TRUE	4.97E-13
COPD in ever smokers	RPTOR	cg06469955	rs11150762	T	C	-0.240	0.031	0.166	9.34E-15	0.020	0.020	0.320	0.016	59.999	TRUE	9.35E-14
COPD in ever smokers	RPTOR	cg06469955	rs1137045	G	A	-0.142	0.023	0.472	7.53E-10	0.023	0.015	0.129	0.010	37.857	TRUE	6.54E-09
COPD in ever smokers	RPTOR	cg06469955	rs4969303	A	G	-1.063	0.030	0.132	3.05E-273	-0.006	0.022	0.779	0.252	1246.728	TRUE	1.30E-239
COPD in ever smokers	RPTOR	cg06469955	rs72857988	T	C	-0.403	0.050	0.050	8.41E-16	-0.031	0.032	0.327	0.017	64.737	TRUE	9.51E-15
COPD in ever smokers	RPTOR	cg06469955	rs868432	A	G	0.331	0.023	0.444	2.37E-46	-0.013	0.015	0.403	0.052	204.219	TRUE	1.87E-43
COPD in ever smokers	RPTOR	cg06469955	rs9897841	C	T	0.220	0.024	0.498	1.93E-20	0.004	0.015	0.794	0.023	85.815	TRUE	1.38E-19
COPD in ever smokers	RPTOR	cg06617879	rs2289762	A	G	0.357	0.026	0.245	1.47E-41	0.007	0.017	0.679	0.047	182.280	TRUE	2.10E-39
COPD in ever smokers	RPTOR	cg06617879	rs868432	A	G	0.139	0.023	0.444	2.00E-09	-0.013	0.015	0.403	0.010	35.959	TRUE	8.27E-09
COPD in ever smokers	RPTOR	cg06673969	rs117429647	G	A	-0.668	0.060	0.039	6.74E-29	0.018	0.038	0.637	0.033	124.377	TRUE	1.88E-27
COPD in ever smokers	RPTOR	cg06872548	rs114177791	T	G	-0.373	0.028	0.215	9.24E-40	-0.013	0.018	0.489	0.045	174.044	TRUE	1.85E-37
COPD in ever smokers	RPTOR	cg06872548	rs11651724	A	G	-0.366	0.037	0.117	3.10E-23	0.013	0.023	0.580	0.026	98.541	TRUE	4.86E-22
COPD in ever smokers	RPTOR	cg06872548	rs118099953	T	C	-0.829	0.063	0.036	9.42E-40	0.033	0.037	0.372	0.045	174.004	TRUE	2.89E-37
COPD in ever smokers	RPTOR	cg06872548	rs118107399	T	C	1.287	0.148	0.014	2.97E-18	0.032	0.067	0.630	0.020	75.872	TRUE	2.30E-17
COPD in ever smokers	RPTOR	cg06872548	rs12945810	T	C	0.313	0.024	0.413	1.72E-40	-0.011	0.015	0.455	0.046	177.383	TRUE	4.35E-38
COPD in ever smokers	RPTOR	cg06872548	rs35904260	G	A	0.296	0.023	0.445	6.37E-37	-0.001	0.015	0.940	0.042	161.054	TRUE	2.32E-35
COPD in ever smokers	RPTOR	cg06872548	rs62067876	A	G	0.276	0.042	0.086	4.22E-11	-0.018	0.027	0.499	0.012	43.486	TRUE	1.82E-10
COPD in ever smokers	RPTOR	cg06872548	rs62067893	T	C	-0.577	0.069	0.037	9.31E-17	0.021	0.042	0.622	0.018	69.073	TRUE	6.17E-16
COPD in ever smokers	RPTOR	cg06872548	rs7217825	C	T	1.116	0.034	0.119	3.00E-232	-0.004	0.024	0.863	0.222	1058.212	TRUE	1.03E-206
COPD in ever smokers	RPTOR	cg06872548	rs72856013	A	G	-0.368	0.036	0.120	9.72E-25	-0.017	0.024	0.476	0.028	105.395	TRUE	2.41E-23
COPD in ever smokers	RPTOR	cg06908052	rs12951596	T	C	-0.367	0.033	0.134	5.05E-29	0.008	0.021	0.722	0.033	124.948	TRUE	1.16E-27
COPD in ever smokers	RPTOR	cg06975080	rs11150741	G	A	0.299	0.025	0.366	2.67E-34	0.008	0.015	0.624	0.039	149.060	TRUE	1.59E-32
COPD in ever smokers	RPTOR	cg06975080	rs1131609	A	G	0.158	0.027	0.243	3.17E-09	-0.037	0.017	0.035	0.009	35.058	TRUE	4.33E-08
COPD in ever smokers	RPTOR	cg06975080	rs117559611	C	T	0.260	0.030	0.194	2.41E-18	-0.010	0.019	0.597	0.020	76.282	TRUE	2.01E-17

COPD in ever smokers	RPTOR	cg06975080	rs567883407	G	A	0.642	0.110	0.018	5.91E-09	-0.036	0.056	0.519	0.009	33.847	TRUE	1.92E-08
COPD in ever smokers	RPTOR	cg06975080	rs57678654	T	C	0.165	0.024	0.380	6.99E-12	-0.013	0.015	0.413	0.013	47.006	TRUE	3.89E-11
COPD in ever smokers	RPTOR	cg06975080	rs61391154	T	G	-0.526	0.024	0.340	1.20E-106	0.015	0.016	0.341	0.115	480.896	TRUE	4.56E-98
COPD in ever smokers	RPTOR	cg06975080	rs7207154	C	T	0.292	0.052	0.131	1.68E-08	-0.005	0.022	0.814	0.009	31.820	TRUE	3.51E-08
COPD in ever smokers	RPTOR	cg06975080	rs76315174	G	A	-0.399	0.062	0.054	9.72E-11	0.048	0.032	0.138	0.011	41.854	TRUE	9.43E-10
COPD in ever smokers	RPTOR	cg07078467	rs7215994	G	A	-0.153	0.024	0.333	3.97E-10	-0.001	0.016	0.938	0.010	39.107	TRUE	8.18E-10
COPD in ever smokers	RPTOR	cg07081946	rs3751940	T	C	0.204	0.024	0.391	2.04E-17	0.005	0.015	0.736	0.019	72.062	TRUE	1.17E-16
COPD in ever smokers	RPTOR	cg07126783	rs114177791	T	G	0.179	0.029	0.215	3.75E-10	-0.013	0.018	0.489	0.010	39.219	TRUE	1.47E-09
COPD in ever smokers	RPTOR	cg07126783	rs67583258	T	C	0.276	0.027	0.249	6.61E-24	0.013	0.017	0.469	0.027	101.599	TRUE	1.50E-22
COPD in ever smokers	RPTOR	cg07126783	rs7217174	T	C	-0.252	0.029	0.201	1.21E-17	0.005	0.019	0.807	0.019	73.101	TRUE	6.24E-17
COPD in ever smokers	RPTOR	cg07126783	rs72853774	G	T	0.189	0.034	0.138	2.89E-08	-0.019	0.023	0.419	0.008	30.764	TRUE	1.01E-07
COPD in ever smokers	RPTOR	cg07126783	rs75747760	T	C	-0.349	0.041	0.088	3.41E-17	-0.014	0.027	0.601	0.019	71.051	TRUE	2.48E-16
COPD in ever smokers	RPTOR	cg07434008	rs35612742	C	A	-0.195	0.028	0.225	4.46E-12	-0.001	0.018	0.971	0.013	47.885	TRUE	1.04E-11
COPD in ever smokers	RPTOR	cg07434008	rs3751938	C	T	0.189	0.025	0.326	4.65E-14	0.008	0.016	0.603	0.015	56.841	TRUE	2.35E-13
COPD in ever smokers	RPTOR	cg07434008	rs62068550	A	G	0.238	0.034	0.143	2.97E-12	-0.021	0.022	0.332	0.013	48.679	TRUE	2.06E-11
COPD in ever smokers	RPTOR	cg07434008	rs6565484	C	T	-0.415	0.022	0.485	3.71E-77	-0.010	0.015	0.523	0.085	345.486	TRUE	5.37E-72
COPD in ever smokers	RPTOR	cg07786220	rs118107399	T	C	0.892	0.149	0.014	1.96E-09	0.032	0.067	0.630	0.010	35.991	TRUE	5.73E-09
COPD in ever smokers	RPTOR	cg07786220	rs146082177	A	G	0.447	0.082	0.023	4.97E-08	-0.092	0.054	0.086	0.008	29.713	TRUE	3.77E-07
COPD in ever smokers	RPTOR	cg07786220	rs1471791	A	G	0.692	0.029	0.199	1.87E-129	-0.014	0.019	0.454	0.137	585.669	TRUE	1.64E-118
COPD in ever smokers	RPTOR	cg07786220	rs147459147	G	T	0.302	0.024	0.486	8.08E-38	0.019	0.015	0.223	0.043	165.157	TRUE	3.63E-35
COPD in ever smokers	RPTOR	cg07786220	rs4969429	A	G	0.204	0.026	0.273	1.12E-14	-0.007	0.017	0.685	0.016	59.636	TRUE	5.26E-14
COPD in ever smokers	RPTOR	cg07786220	rs55735336	T	C	-0.216	0.037	0.114	5.68E-09	-0.039	0.024	0.115	0.009	33.923	TRUE	4.50E-08
COPD in ever smokers	RPTOR	cg07786220	rs62067893	T	C	-0.397	0.070	0.037	1.21E-08	0.021	0.042	0.622	0.009	32.450	TRUE	3.28E-08
COPD in ever smokers	RPTOR	cg07786220	rs62069404	T	C	0.355	0.055	0.051	1.18E-10	0.021	0.035	0.545	0.011	41.467	TRUE	4.50E-10
COPD in ever smokers	RPTOR	cg07786220	rs7207843	C	T	-0.220	0.029	0.204	6.08E-14	-0.009	0.019	0.623	0.015	56.314	TRUE	2.93E-13
COPD in ever smokers	RPTOR	cg07786220	rs74003912	A	G	0.190	0.030	0.199	1.54E-10	-0.025	0.019	0.186	0.011	40.952	TRUE	1.23E-09
COPD in ever smokers	RPTOR	cg07786220	rs9894401	A	G	-0.303	0.027	0.255	8.17E-29	0.012	0.017	0.487	0.032	123.993	TRUE	3.39E-27
COPD in ever smokers	RPTOR	cg08314949	rs113714895	T	C	0.290	0.043	0.080	1.19E-11	0.008	0.025	0.737	0.012	45.968	TRUE	3.74E-11
COPD in ever smokers	RPTOR	cg08314949	rs118120008	A	G	-0.578	0.104	0.013	2.78E-08	-0.030	0.061	0.622	0.008	30.835	TRUE	7.26E-08
COPD in ever smokers	RPTOR	cg08314949	rs142546211	A	G	-0.756	0.109	0.019	3.24E-12	-0.045	0.050	0.365	0.013	48.513	TRUE	2.08E-11
COPD in ever smokers	RPTOR	cg08314949	rs183036865	A	G	0.495	0.056	0.041	1.48E-18	0.015	0.037	0.691	0.020	77.249	TRUE	1.05E-17
COPD in ever smokers	RPTOR	cg08314949	rs183706698	C	T	0.777	0.026	0.218	8.95E-193	0.002	0.018	0.895	0.192	876.710	TRUE	5.08E-174
COPD in ever smokers	RPTOR	cg08314949	rs2289764	C	T	-0.261	0.027	0.241	2.28E-21	-0.022	0.018	0.222	0.024	90.040	TRUE	7.99E-20
COPD in ever smokers	RPTOR	cg08314949	rs35343630	A	G	-0.410	0.025	0.300	2.92E-59	-0.005	0.016	0.784	0.066	263.386	TRUE	5.02E-56
COPD in ever smokers	RPTOR	cg08314949	rs4969219	G	T	-0.134	0.024	0.388	3.07E-08	0.020	0.015	0.194	0.008	30.647	TRUE	1.66E-07
COPD in ever smokers	RPTOR	cg08314949	rs62075432	A	G	-0.154	0.027	0.261	1.44E-08	0.038	0.017	0.030	0.009	32.116	TRUE	1.82E-07
COPD in ever smokers	RPTOR	cg08314949	rs72850524	T	C	0.484	0.064	0.037	3.26E-14	-0.073	0.038	0.055	0.015	57.539	TRUE	9.41E-13
COPD in ever smokers	RPTOR	cg08314949	rs72859646	T	C	-0.889	0.068	0.026	2.55E-39	-0.042	0.046	0.359	0.044	172.025	TRUE	7.72E-37
COPD in ever smokers	RPTOR	cg08314949	rs76300060	G	A	-0.272	0.047	0.065	1.04E-08	-0.003	0.030	0.919	0.009	32.744	TRUE	1.95E-08
COPD in ever smokers	RPTOR	cg08314949	rs9905501	T	C	0.257	0.025	0.341	4.45E-25	-0.013	0.016	0.417	0.028	106.942	TRUE	1.36E-23
COPD in ever smokers	RPTOR	cg08329754	rs11150745	G	A	-0.324	0.025	0.314	4.06E-38	-0.021	0.016	0.195	0.043	166.524	TRUE	2.25E-35
COPD in ever smokers	RPTOR	cg08329754	rs12943620	T	G	-0.178	0.027	0.225	5.13E-11	-0.037	0.018	0.038	0.012	43.105	TRUE	9.72E-10

COPD in ever smokers	RPTOR	cg08329754	rs7210110	A	G	-0.357	0.029	0.200	4.54E-34	0.008	0.019	0.652	0.038	148.005	TRUE	2.43E-32
COPD in ever smokers	RPTOR	cg08329754	rs77420162	A	G	-0.352	0.062	0.040	1.50E-08	0.011	0.036	0.755	0.009	32.031	TRUE	3.40E-08
COPD in ever smokers	RPTOR	cg08329754	rs80146578	T	C	-0.149	0.024	0.425	4.26E-10	-0.014	0.016	0.367	0.010	38.968	TRUE	2.06E-09
COPD in ever smokers	RPTOR	cg08329754	rs8080789	A	G	0.532	0.036	0.118	1.55E-48	-0.005	0.024	0.848	0.055	214.226	TRUE	3.79E-46
COPD in ever smokers	RPTOR	cg08454507	rs11651724	A	G	-0.317	0.037	0.117	9.32E-18	0.013	0.023	0.580	0.020	73.612	TRUE	7.54E-17
COPD in ever smokers	RPTOR	cg08454507	rs117209908	A	G	-0.467	0.050	0.059	1.68E-20	0.072	0.031	0.021	0.023	86.086	TRUE	2.62E-18
COPD in ever smokers	RPTOR	cg08454507	rs117620031	C	T	-0.558	0.101	0.014	3.85E-08	-0.032	0.056	0.570	0.008	30.209	TRUE	1.06E-07
COPD in ever smokers	RPTOR	cg08454507	rs118107399	T	C	1.290	0.148	0.014	2.51E-18	0.032	0.067	0.630	0.020	76.200	TRUE	1.96E-17
COPD in ever smokers	RPTOR	cg08454507	rs11869626	C	A	0.151	0.023	0.476	1.01E-10	0.027	0.015	0.068	0.011	41.776	TRUE	1.40E-09
COPD in ever smokers	RPTOR	cg08454507	rs12945810	T	C	0.373	0.023	0.413	2.48E-57	-0.011	0.015	0.455	0.064	254.542	TRUE	1.05E-53
COPD in ever smokers	RPTOR	cg08454507	rs2004184	C	T	-0.162	0.026	0.265	6.71E-10	0.009	0.017	0.574	0.010	38.082	TRUE	2.24E-09
COPD in ever smokers	RPTOR	cg08454507	rs35904260	G	A	0.297	0.023	0.445	3.10E-37	-0.001	0.015	0.940	0.042	162.482	TRUE	1.18E-35
COPD in ever smokers	RPTOR	cg08454507	rs62067893	T	C	-0.572	0.069	0.037	1.63E-16	0.021	0.042	0.622	0.018	67.973	TRUE	1.05E-15
COPD in ever smokers	RPTOR	cg08454507	rs72856013	A	G	-0.403	0.036	0.120	1.96E-29	-0.017	0.024	0.476	0.033	126.827	TRUE	9.14E-28
COPD in ever smokers	RPTOR	cg08454507	rs72858219	A	G	-0.379	0.028	0.212	1.13E-40	-0.010	0.018	0.581	0.046	178.221	TRUE	1.92E-38
COPD in ever smokers	RPTOR	cg08454507	rs8080789	A	G	1.021	0.035	0.118	9.62E-190	-0.005	0.024	0.848	0.189	862.774	TRUE	2.40E-171
COPD in ever smokers	RPTOR	cg08454507	rs9911979	A	G	-0.695	0.026	0.249	8.73E-155	0.012	0.017	0.494	0.160	702.079	TRUE	1.28E-140
COPD in ever smokers	RPTOR	cg08939850	rs111396639	A	G	0.227	0.027	0.258	1.82E-17	0.017	0.018	0.349	0.019	72.288	TRUE	2.43E-16
COPD in ever smokers	RPTOR	cg08939850	rs11150745	G	A	-0.255	0.025	0.314	4.99E-24	-0.021	0.016	0.195	0.027	102.156	TRUE	2.94E-22
COPD in ever smokers	RPTOR	cg08939850	rs114177791	T	G	0.173	0.028	0.215	1.16E-09	-0.013	0.018	0.489	0.010	37.016	TRUE	4.29E-09
COPD in ever smokers	RPTOR	cg08939850	rs138464941	C	T	0.366	0.066	0.028	3.53E-08	-0.057	0.044	0.190	0.008	30.374	TRUE	1.92E-07
COPD in ever smokers	RPTOR	cg08939850	rs4969429	A	G	0.160	0.026	0.273	1.42E-09	-0.007	0.017	0.685	0.010	36.627	TRUE	3.89E-09
COPD in ever smokers	RPTOR	cg08939850	rs62070202	T	C	-0.230	0.042	0.079	4.54E-08	-0.024	0.028	0.377	0.008	29.889	TRUE	1.65E-07
COPD in ever smokers	RPTOR	cg08939850	rs7217174	T	C	-0.317	0.029	0.201	3.03E-27	0.005	0.019	0.807	0.031	116.831	TRUE	4.58E-26
COPD in ever smokers	RPTOR	cg09001356	rs11150745	G	A	-0.292	0.025	0.314	3.04E-31	-0.021	0.016	0.195	0.035	135.091	TRUE	5.49E-29
COPD in ever smokers	RPTOR	cg09001356	rs35926934	A	G	0.364	0.037	0.117	3.88E-23	-0.005	0.024	0.841	0.026	98.098	TRUE	3.38E-22
COPD in ever smokers	RPTOR	cg09001356	rs62070202	T	C	-0.331	0.042	0.079	2.37E-15	-0.024	0.028	0.377	0.017	62.694	TRUE	2.23E-14
COPD in ever smokers	RPTOR	cg09001356	rs7210110	A	G	-0.430	0.029	0.200	4.56E-49	0.008	0.019	0.652	0.055	216.664	TRUE	2.25E-46
COPD in ever smokers	RPTOR	cg09175325	rs35904260	G	A	0.138	0.023	0.445	3.90E-09	-0.001	0.015	0.940	0.009	34.657	TRUE	7.37E-09
COPD in ever smokers	RPTOR	cg09175325	rs62067239	T	C	-0.284	0.041	0.090	3.88E-12	-0.022	0.026	0.398	0.013	48.157	TRUE	2.30E-11
COPD in ever smokers	RPTOR	cg09175325	rs7212125	G	A	0.241	0.037	0.120	4.58E-11	-0.005	0.024	0.828	0.012	43.324	TRUE	1.19E-10
COPD in ever smokers	RPTOR	cg09175325	rs9890487	G	T	0.131	0.024	0.405	3.77E-08	-0.020	0.016	0.203	0.008	30.246	TRUE	1.97E-07
COPD in ever smokers	RPTOR	cg09175325	rs9904611	A	G	-0.211	0.027	0.254	8.38E-15	0.015	0.018	0.388	0.016	60.211	TRUE	7.14E-14
COPD in ever smokers	RPTOR	cg09516200	rs10468603	C	T	0.198	0.024	0.413	1.70E-16	-0.002	0.015	0.888	0.018	67.885	TRUE	6.78E-16
COPD in ever smokers	RPTOR	cg09516200	rs11150746	G	A	0.218	0.025	0.332	2.16E-18	0.024	0.016	0.116	0.020	76.495	TRUE	8.01E-17
COPD in ever smokers	RPTOR	cg09516200	rs4072746	T	C	-0.236	0.038	0.115	6.28E-10	0.040	0.024	0.093	0.010	38.211	TRUE	6.51E-09
COPD in ever smokers	RPTOR	cg09516200	rs4516281	T	C	-0.375	0.044	0.076	1.88E-17	-0.017	0.028	0.545	0.019	72.223	TRUE	1.58E-16
COPD in ever smokers	RPTOR	cg09516200	rs4522458	T	C	-0.176	0.027	0.238	1.35E-10	-0.007	0.017	0.671	0.011	41.211	TRUE	4.21E-10
COPD in ever smokers	RPTOR	cg09516200	rs4969404	T	C	-0.338	0.024	0.402	1.34E-45	0.005	0.015	0.741	0.051	200.778	TRUE	2.90E-43
COPD in ever smokers	RPTOR	cg09516200	rs7213432	G	A	-0.340	0.052	0.057	7.12E-11	0.046	0.031	0.145	0.011	42.462	TRUE	6.88E-10
COPD in ever smokers	RPTOR	cg09592546	rs118107399	T	C	-1.409	0.147	0.014	1.23E-21	0.032	0.067	0.630	0.024	91.257	TRUE	1.42E-20
COPD in ever smokers	RPTOR	cg09592546	rs2672901	T	C	-0.390	0.024	0.353	3.15E-58	0.006	0.015	0.686	0.065	258.652	TRUE	6.37E-55

COPD in ever smokers	RPTOR	cg09592546	rs4889782	C	T	-0.349	0.024	0.402	3.55E-47	-0.004	0.015	0.814	0.053	207.998	TRUE	7.83E-45
COPD in ever smokers	RPTOR	cg09592546	rs57677341	G	A	-1.126	0.030	0.137	<1E-200	-0.003	0.022	0.889	0.278	1422.024	TRUE	5.07E-270
COPD in ever smokers	RPTOR	cg09592546	rs72853757	C	T	0.208	0.033	0.146	3.72E-10	-0.014	0.022	0.518	0.010	39.236	TRUE	1.39E-09
COPD in ever smokers	RPTOR	cg09592546	rs74002861	C	A	0.262	0.043	0.078	1.54E-09	-0.014	0.028	0.619	0.010	36.462	TRUE	4.62E-09
COPD in ever smokers	RPTOR	cg09592546	rs8069962	G	A	-0.320	0.023	0.471	6.24E-44	-0.005	0.015	0.728	0.050	193.134	TRUE	1.10E-41
COPD in ever smokers	RPTOR	cg09592546	rs8079537	G	A	-0.399	0.023	0.443	3.36E-67	-0.015	0.015	0.328	0.075	299.800	TRUE	1.71E-62
COPD in ever smokers	RPTOR	cg09596252	rs112401820	A	G	-0.451	0.069	0.065	4.48E-11	0.010	0.031	0.736	0.012	43.369	TRUE	1.33E-10
COPD in ever smokers	RPTOR	cg09596252	rs139980334	C	T	0.263	0.047	0.065	1.70E-08	-0.017	0.038	0.659	0.009	31.798	TRUE	4.31E-08
COPD in ever smokers	RPTOR	cg09596252	rs34713877	A	G	0.563	0.091	0.036	6.86E-10	-0.015	0.040	0.703	0.010	38.040	TRUE	1.90E-09
COPD in ever smokers	RPTOR	cg09596252	rs4890056	C	T	0.211	0.022	0.447	5.90E-21	-0.015	0.015	0.318	0.023	88.156	TRUE	1.39E-19
COPD in ever smokers	RPTOR	cg09794615	rs2271607	C	T	0.486	0.028	0.220	1.79E-65	-0.006	0.018	0.728	0.073	291.882	TRUE	1.13E-61
COPD in ever smokers	RPTOR	cg09794615	rs2340773	T	C	-0.229	0.037	0.116	8.92E-10	-0.004	0.024	0.855	0.010	37.528	TRUE	1.99E-09
COPD in ever smokers	RPTOR	cg09794615	rs55833830	A	C	-0.208	0.028	0.235	1.90E-13	0.004	0.018	0.834	0.014	54.081	TRUE	6.13E-13
COPD in ever smokers	RPTOR	cg09794615	rs7502001	G	T	-0.295	0.034	0.132	5.37E-18	-0.002	0.022	0.938	0.020	74.700	TRUE	2.26E-17
COPD in ever smokers	RPTOR	cg09803959	rs11868966	C	A	1.035	0.028	0.167	1.73E-302	-0.010	0.020	0.637	0.273	1385.829	TRUE	4.91E-263
COPD in ever smokers	RPTOR	cg09803959	rs12603933	G	A	-0.136	0.024	0.467	8.70E-09	0.012	0.015	0.439	0.009	33.095	TRUE	3.13E-08
COPD in ever smokers	RPTOR	cg09803959	rs143673290	A	G	0.539	0.089	0.039	1.36E-09	-0.042	0.040	0.305	0.010	36.700	TRUE	6.98E-09
COPD in ever smokers	RPTOR	cg09803959	rs149099062	A	G	0.978	0.140	0.015	2.40E-12	-0.163	0.062	0.009	0.013	49.096	TRUE	1.09E-10
COPD in ever smokers	RPTOR	cg09803959	rs56273414	C	T	0.213	0.033	0.146	1.40E-10	-0.013	0.022	0.538	0.011	41.148	TRUE	5.31E-10
COPD in ever smokers	RPTOR	cg09803959	rs62068487	A	G	-0.263	0.025	0.319	1.75E-25	0.004	0.016	0.811	0.029	108.794	TRUE	2.13E-24
COPD in ever smokers	RPTOR	cg09803959	rs7225916	G	T	0.157	0.026	0.272	2.95E-09	0.012	0.017	0.462	0.009	35.201	TRUE	1.08E-08
COPD in ever smokers	RPTOR	cg09803959	rs72850551	A	G	0.448	0.065	0.036	7.28E-12	0.066	0.039	0.087	0.013	46.925	TRUE	1.09E-10
COPD in ever smokers	RPTOR	cg09803959	rs7502841	A	G	0.321	0.027	0.232	1.03E-31	-0.004	0.018	0.815	0.036	137.248	TRUE	2.63E-30
COPD in ever smokers	RPTOR	cg09803959	rs77183052	A	G	0.941	0.170	0.012	3.18E-08	0.049	0.068	0.471	0.008	30.581	TRUE	1.02E-07
COPD in ever smokers	RPTOR	cg09929238	rs138537551	T	C	-0.309	0.045	0.070	6.90E-12	-0.038	0.029	0.193	0.013	47.030	TRUE	6.61E-11
COPD in ever smokers	RPTOR	cg09929238	rs1567961	C	T	-0.160	0.024	0.392	1.61E-11	-0.009	0.015	0.574	0.012	45.365	TRUE	6.45E-11
COPD in ever smokers	RPTOR	cg09929238	rs62068268	T	C	-0.363	0.041	0.090	9.76E-19	-0.025	0.026	0.345	0.021	78.065	TRUE	1.56E-17
COPD in ever smokers	RPTOR	cg09929238	rs62070201	A	G	0.341	0.044	0.069	7.02E-15	-0.004	0.028	0.883	0.016	60.559	TRUE	2.41E-14
COPD in ever smokers	RPTOR	cg09929238	rs8076974	G	A	0.447	0.026	0.263	4.60E-64	0.029	0.017	0.080	0.072	285.410	TRUE	1.03E-58
COPD in ever smokers	RPTOR	cg09977718	rs113059224	A	G	-0.261	0.043	0.070	1.36E-09	0.032	0.024	0.185	0.010	36.707	TRUE	9.37E-09
COPD in ever smokers	RPTOR	cg09977718	rs113714895	T	C	-0.387	0.043	0.080	1.24E-19	0.008	0.025	0.737	0.022	82.141	TRUE	9.07E-19
COPD in ever smokers	RPTOR	cg09977718	rs12103906	T	C	0.211	0.024	0.419	1.20E-18	-0.011	0.015	0.470	0.021	77.652	TRUE	1.38E-17
COPD in ever smokers	RPTOR	cg09977718	rs12602601	T	G	0.335	0.025	0.309	6.92E-41	0.003	0.016	0.851	0.046	179.194	TRUE	5.47E-39
COPD in ever smokers	RPTOR	cg09977718	rs183036865	A	G	-0.351	0.056	0.041	4.78E-10	0.015	0.037	0.691	0.010	38.744	TRUE	1.37E-09
COPD in ever smokers	RPTOR	cg09977718	rs2289762	A	G	-0.772	0.025	0.245	5.15E-205	0.007	0.017	0.679	0.201	932.985	TRUE	1.09E-183
COPD in ever smokers	RPTOR	cg09977718	rs2289764	C	T	0.265	0.027	0.241	4.61E-22	-0.022	0.018	0.222	0.025	93.198	TRUE	1.79E-20
COPD in ever smokers	RPTOR	cg09977718	rs60323363	A	G	-0.174	0.024	0.412	1.56E-13	-0.015	0.015	0.306	0.015	54.464	TRUE	1.37E-12
COPD in ever smokers	RPTOR	cg09977718	rs72850524	T	C	-0.363	0.064	0.037	1.32E-08	-0.073	0.038	0.055	0.009	32.283	TRUE	1.34E-07
COPD in ever smokers	RPTOR	cg09977718	rs9897319	A	G	-0.304	0.025	0.354	3.93E-34	0.002	0.016	0.899	0.039	148.296	TRUE	1.11E-32
COPD in ever smokers	RPTOR	cg10035831	rs11548824	A	G	-0.235	0.034	0.154	2.64E-12	-0.001	0.019	0.949	0.013	48.914	TRUE	6.46E-12
COPD in ever smokers	RPTOR	cg10035831	rs11656061	A	G	-0.541	0.023	0.436	8.92E-122	-0.005	0.015	0.741	0.130	550.388	TRUE	1.88E-112
COPD in ever smokers	RPTOR	cg10035831	rs11658145	C	T	0.162	0.027	0.246	2.05E-09	0.006	0.018	0.740	0.010	35.906	TRUE	5.14E-09

COPD in ever smokers	RPTOR	cg10035831	rs11869318	C	T	0.146	0.024	0.470	6.63E-10	0.011	0.015	0.467	0.010	38.106	TRUE	2.62E-09
COPD in ever smokers	RPTOR	cg10035831	rs12936701	C	A	0.418	0.039	0.105	2.16E-27	-0.001	0.028	0.960	0.031	117.498	TRUE	2.35E-26
COPD in ever smokers	RPTOR	cg10035831	rs13341621	A	G	0.570	0.050	0.080	1.50E-30	0.042	0.029	0.139	0.034	131.925	TRUE	3.42E-28
COPD in ever smokers	RPTOR	cg10035831	rs149099062	A	G	1.065	0.139	0.015	2.24E-14	-0.163	0.062	0.009	0.016	58.275	TRUE	1.58E-12
COPD in ever smokers	RPTOR	cg10035831	rs2289766	G	A	1.063	0.027	0.167	<1E-200	-0.007	0.020	0.721	0.288	1499.193	TRUE	1.80E-282
COPD in ever smokers	RPTOR	cg10035831	rs4969236	C	T	-0.281	0.023	0.495	2.77E-33	-0.011	0.015	0.483	0.038	144.414	TRUE	2.18E-31
COPD in ever smokers	RPTOR	cg10035831	rs62068550	A	G	-0.218	0.035	0.143	3.42E-10	-0.021	0.022	0.332	0.011	39.397	TRUE	1.80E-09
COPD in ever smokers	RPTOR	cg10035831	rs66463810	A	G	-0.160	0.025	0.340	1.00E-10	0.014	0.016	0.360	0.011	41.790	TRUE	5.35E-10
COPD in ever smokers	RPTOR	cg10035831	rs7220687	C	T	0.236	0.026	0.289	6.70E-20	0.005	0.017	0.784	0.022	83.356	TRUE	4.60E-19
COPD in ever smokers	RPTOR	cg10035831	rs72853711	C	T	0.211	0.037	0.115	1.07E-08	-0.044	0.024	0.073	0.009	32.686	TRUE	9.86E-08
COPD in ever smokers	RPTOR	cg10035831	rs7502321	C	T	0.197	0.024	0.386	2.18E-16	0.016	0.015	0.298	0.018	67.395	TRUE	2.90E-15
COPD in ever smokers	RPTOR	cg10281768	rs10468603	C	T	-0.409	0.024	0.413	3.70E-67	-0.002	0.015	0.888	0.075	299.606	TRUE	1.79E-63
COPD in ever smokers	RPTOR	cg10281768	rs118065301	A	G	0.732	0.109	0.026	2.17E-11	0.018	0.045	0.694	0.012	44.782	TRUE	7.10E-11
COPD in ever smokers	RPTOR	cg10281768	rs12936509	G	A	0.337	0.040	0.092	2.09E-17	0.019	0.024	0.418	0.019	72.019	TRUE	2.32E-16
COPD in ever smokers	RPTOR	cg10281768	rs4969429	A	G	-0.240	0.026	0.273	7.22E-20	-0.007	0.017	0.685	0.022	83.209	TRUE	6.01E-19
COPD in ever smokers	RPTOR	cg10281768	rs62068358	G	A	-0.263	0.041	0.092	1.45E-10	-0.018	0.026	0.491	0.011	41.075	TRUE	5.95E-10
COPD in ever smokers	RPTOR	cg10281768	rs74002883	T	G	-0.222	0.031	0.173	6.18E-13	0.028	0.019	0.144	0.014	51.761	TRUE	8.34E-12
COPD in ever smokers	RPTOR	cg10281768	rs746405	G	T	-0.146	0.024	0.418	1.16E-09	0.015	0.015	0.337	0.010	37.020	TRUE	5.60E-09
COPD in ever smokers	RPTOR	cg10281768	rs9893680	G	T	-0.198	0.024	0.383	2.56E-16	0.000	0.016	0.991	0.018	67.080	TRUE	8.39E-16
COPD in ever smokers	RPTOR	cg10490202	rs1045626	T	C	-0.213	0.024	0.467	2.26E-19	0.007	0.015	0.644	0.021	80.952	TRUE	1.93E-18
COPD in ever smokers	RPTOR	cg10490202	rs113714895	T	C	-0.265	0.043	0.080	5.09E-10	0.008	0.025	0.737	0.010	38.621	TRUE	1.36E-09
COPD in ever smokers	RPTOR	cg10490202	rs11656246	A	G	-0.466	0.026	0.241	4.27E-70	0.006	0.017	0.717	0.078	313.086	TRUE	6.70E-66
COPD in ever smokers	RPTOR	cg10490202	rs2289764	C	T	0.359	0.027	0.241	1.03E-39	-0.022	0.018	0.222	0.045	173.834	TRUE	6.34E-37
COPD in ever smokers	RPTOR	cg10508138	rs1012117	A	G	-0.310	0.025	0.313	1.27E-36	-0.007	0.016	0.669	0.041	159.683	TRUE	9.24E-35
COPD in ever smokers	RPTOR	cg10508138	rs113714895	T	C	-0.236	0.042	0.080	2.18E-08	0.008	0.025	0.737	0.008	31.313	TRUE	4.96E-08
COPD in ever smokers	RPTOR	cg10538214	rs112661218	A	C	-0.373	0.027	0.221	7.37E-42	-0.015	0.018	0.414	0.047	183.645	TRUE	2.68E-39
COPD in ever smokers	RPTOR	cg10538214	rs2271612	C	T	-0.145	0.023	0.480	5.97E-10	-0.004	0.015	0.810	0.010	38.311	TRUE	1.44E-09
COPD in ever smokers	RPTOR	cg10693767	rs72852801	A	G	0.257	0.044	0.076	5.11E-09	-0.029	0.029	0.328	0.009	34.130	TRUE	2.30E-08
COPD in ever smokers	RPTOR	cg10693767	rs9890864	G	A	-0.211	0.030	0.189	2.63E-12	0.036	0.019	0.057	0.013	48.917	TRUE	5.29E-11
COPD in ever smokers	RPTOR	cg10752731	rs11868966	C	A	-0.178	0.032	0.167	2.08E-08	-0.010	0.020	0.637	0.008	31.404	TRUE	5.38E-08
COPD in ever smokers	RPTOR	cg10752731	rs138099755	A	G	-0.977	0.161	0.012	1.31E-09	0.026	0.065	0.684	0.010	36.785	TRUE	3.61E-09
COPD in ever smokers	RPTOR	cg10752731	rs571430539	C	T	-1.496	0.082	0.022	3.00E-74	0.032	0.049	0.516	0.082	332.140	TRUE	2.47E-69
COPD in ever smokers	RPTOR	cg10752731	rs7220687	C	T	-0.170	0.026	0.289	5.87E-11	0.005	0.017	0.784	0.011	42.841	TRUE	1.61E-10
COPD in ever smokers	RPTOR	cg11153071	rs2291360	A	G	0.325	0.025	0.367	1.18E-39	0.010	0.015	0.504	0.045	173.552	TRUE	2.22E-37
COPD in ever smokers	RPTOR	cg11153071	rs7209452	A	G	0.185	0.029	0.203	1.91E-10	-0.005	0.018	0.768	0.011	40.535	TRUE	5.10E-10
COPD in ever smokers	RPTOR	cg11222173	rs2291360	A	G	0.300	0.025	0.367	4.84E-34	0.010	0.015	0.504	0.038	147.882	TRUE	3.97E-32
COPD in ever smokers	RPTOR	cg11303920	rs12951739	T	G	0.255	0.023	0.455	5.39E-28	-0.004	0.015	0.770	0.031	120.253	TRUE	9.71E-27
COPD in ever smokers	RPTOR	cg11303920	rs4889881	C	T	-0.323	0.037	0.114	3.64E-18	-0.009	0.024	0.715	0.020	75.468	TRUE	2.36E-17
COPD in ever smokers	RPTOR	cg11476241	rs111396639	A	G	0.160	0.027	0.258	2.48E-09	0.017	0.018	0.349	0.010	35.536	TRUE	1.12E-08
COPD in ever smokers	RPTOR	cg11476241	rs11656246	A	G	-0.347	0.027	0.241	8.96E-39	0.006	0.017	0.717	0.044	169.528	TRUE	7.67E-37
COPD in ever smokers	RPTOR	cg11476241	rs149099062	A	G	0.929	0.140	0.015	3.00E-11	-0.163	0.062	0.009	0.012	44.153	TRUE	1.07E-09
COPD in ever smokers	RPTOR	cg11476241	rs2280146	G	A	0.872	0.025	0.218	2.58E-275	-0.018	0.018	0.305	0.254	1256.256	TRUE	1.80E-239

COPD in ever smokers	RPTOR	cg11476241	rs56273414	C	T	0.194	0.033	0.146	5.05E-09	-0.013	0.022	0.538	0.009	34.153	TRUE	1.61E-08
COPD in ever smokers	RPTOR	cg11476241	rs60471075	G	A	0.148	0.023	0.480	2.51E-10	0.024	0.016	0.119	0.011	39.999	TRUE	2.46E-09
COPD in ever smokers	RPTOR	cg11476241	rs62068550	A	G	-0.229	0.035	0.143	4.22E-11	-0.021	0.022	0.332	0.012	43.487	TRUE	2.50E-10
COPD in ever smokers	RPTOR	cg11476241	rs66485222	A	G	0.490	0.067	0.035	2.25E-13	0.051	0.041	0.219	0.014	53.747	TRUE	2.47E-12
COPD in ever smokers	RPTOR	cg11476241	rs7220687	C	T	0.355	0.026	0.289	1.87E-43	0.005	0.017	0.784	0.049	190.950	TRUE	2.60E-41
COPD in ever smokers	RPTOR	cg11476241	rs72859646	T	C	0.536	0.068	0.026	4.27E-15	-0.042	0.046	0.359	0.016	61.539	TRUE	4.05E-14
COPD in ever smokers	RPTOR	cg11476241	rs8071514	C	A	0.149	0.024	0.453	3.03E-10	-0.002	0.015	0.897	0.011	39.636	TRUE	6.66E-10
COPD in ever smokers	RPTOR	cg11499091	rs147459147	G	T	-0.177	0.024	0.486	7.98E-14	0.019	0.015	0.223	0.015	55.780	TRUE	9.26E-13
COPD in ever smokers	RPTOR	cg11499091	rs2589138	T	C	-0.342	0.028	0.230	1.43E-34	0.006	0.018	0.740	0.039	150.298	TRUE	6.47E-33
COPD in ever smokers	RPTOR	cg11499091	rs35524093	G	A	0.163	0.025	0.342	2.93E-11	-0.013	0.016	0.407	0.012	44.201	TRUE	1.52E-10
COPD in ever smokers	RPTOR	cg11499091	rs8071397	A	G	0.150	0.025	0.333	3.78E-09	0.004	0.016	0.807	0.009	34.715	TRUE	8.47E-09
COPD in ever smokers	RPTOR	cg11637695	rs12944497	T	C	-0.253	0.024	0.406	1.73E-26	0.028	0.015	0.065	0.030	113.374	TRUE	3.81E-24
COPD in ever smokers	RPTOR	cg11790527	rs147459147	G	T	0.139	0.024	0.486	3.81E-09	0.019	0.015	0.223	0.009	34.702	TRUE	2.21E-08
COPD in ever smokers	RPTOR	cg11949518	rs112815991	T	C	0.325	0.044	0.071	9.01E-14	0.026	0.025	0.307	0.015	55.542	TRUE	8.15E-13
COPD in ever smokers	RPTOR	cg11949518	rs11548824	A	G	0.297	0.034	0.154	7.00E-19	-0.001	0.019	0.949	0.021	78.720	TRUE	3.16E-18
COPD in ever smokers	RPTOR	cg11949518	rs11655877	C	T	0.195	0.024	0.406	1.71E-16	-0.017	0.015	0.257	0.018	67.873	TRUE	2.61E-15
COPD in ever smokers	RPTOR	cg11949518	rs138780442	C	A	-0.609	0.107	0.031	1.23E-08	0.016	0.043	0.708	0.009	32.420	TRUE	2.98E-08
COPD in ever smokers	RPTOR	cg11949518	rs183036865	A	G	0.506	0.056	0.041	2.01E-19	0.015	0.037	0.691	0.021	81.182	TRUE	1.57E-18
COPD in ever smokers	RPTOR	cg11949518	rs2289760	T	C	0.530	0.026	0.249	1.39E-94	0.007	0.017	0.663	0.103	425.487	TRUE	4.79E-88
COPD in ever smokers	RPTOR	cg11949518	rs34410650	G	A	0.274	0.027	0.239	1.54E-23	-0.018	0.017	0.308	0.026	99.926	TRUE	5.36E-22
COPD in ever smokers	RPTOR	cg11949518	rs3751934	A	C	0.397	0.024	0.401	2.09E-62	0.012	0.015	0.442	0.070	277.814	TRUE	2.36E-58
COPD in ever smokers	RPTOR	cg11949518	rs4969229	T	C	-0.801	0.080	0.050	1.75E-23	-0.043	0.033	0.200	0.026	99.669	TRUE	9.28E-22
COPD in ever smokers	RPTOR	cg11949518	rs4969231	T	C	-0.699	0.024	0.314	3.45E-180	-0.008	0.016	0.606	0.181	818.847	TRUE	1.26E-162
COPD in ever smokers	RPTOR	cg11949518	rs55803650	A	C	0.521	0.092	0.017	1.71E-08	0.007	0.055	0.891	0.009	31.779	TRUE	3.26E-08
COPD in ever smokers	RPTOR	cg11949518	rs56960771	T	C	0.243	0.025	0.310	4.90E-22	-0.017	0.016	0.286	0.025	93.079	TRUE	1.49E-20
COPD in ever smokers	RPTOR	cg11949518	rs6565491	C	T	-0.705	0.033	0.132	1.22E-99	-0.002	0.022	0.936	0.108	448.703	TRUE	4.08E-93
COPD in ever smokers	RPTOR	cg11949518	rs67198902	G	T	0.218	0.031	0.186	1.37E-12	-0.012	0.019	0.545	0.013	50.196	TRUE	6.51E-12
COPD in ever smokers	RPTOR	cg11949518	rs7208789	T	C	-0.217	0.039	0.107	2.88E-08	-0.009	0.025	0.710	0.008	30.770	TRUE	6.70E-08
COPD in ever smokers	RPTOR	cg11949518	rs72850524	T	C	0.398	0.064	0.037	4.31E-10	-0.073	0.038	0.055	0.010	38.947	TRUE	5.82E-09
COPD in ever smokers	RPTOR	cg11949518	rs74004829	C	T	0.372	0.043	0.092	7.91E-18	0.034	0.026	0.193	0.020	73.934	TRUE	1.84E-16
COPD in ever smokers	RPTOR	cg11949518	rs868432	A	G	0.888	0.018	0.444	<1E-200	-0.013	0.015	0.403	0.392	2389.417	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg11949518	rs9903399	C	T	0.279	0.041	0.222	6.46E-12	0.016	0.018	0.375	0.013	47.158	TRUE	3.90E-11
COPD in ever smokers	RPTOR	cg12078154	rs118120008	A	G	-0.572	0.104	0.013	3.81E-08	-0.030	0.061	0.622	0.008	30.230	TRUE	9.77E-08
COPD in ever smokers	RPTOR	cg12078154	rs142546211	A	G	-0.752	0.109	0.019	4.28E-12	-0.045	0.050	0.365	0.013	47.965	TRUE	2.70E-11
COPD in ever smokers	RPTOR	cg12078154	rs183036865	A	G	0.483	0.056	0.041	8.45E-18	0.015	0.037	0.691	0.020	73.805	TRUE	5.51E-17
COPD in ever smokers	RPTOR	cg12078154	rs2289764	C	T	-0.264	0.027	0.241	7.99E-22	-0.022	0.018	0.222	0.024	92.110	TRUE	3.00E-20
COPD in ever smokers	RPTOR	cg12078154	rs35343630	A	G	-0.395	0.025	0.300	3.25E-55	-0.005	0.016	0.784	0.062	244.835	TRUE	2.82E-52
COPD in ever smokers	RPTOR	cg12078154	rs4969219	G	T	-0.140	0.024	0.388	8.15E-09	0.020	0.015	0.194	0.009	33.221	TRUE	4.84E-08
COPD in ever smokers	RPTOR	cg12078154	rs62075432	A	G	-0.152	0.027	0.261	2.16E-08	0.038	0.017	0.030	0.008	31.326	TRUE	2.63E-07
COPD in ever smokers	RPTOR	cg12078154	rs71368095	A	G	0.709	0.027	0.219	1.56E-155	0.011	0.018	0.550	0.160	705.520	TRUE	2.02E-141
COPD in ever smokers	RPTOR	cg12078154	rs72850524	T	C	0.452	0.064	0.037	1.37E-12	-0.073	0.038	0.055	0.013	50.203	TRUE	2.94E-11
COPD in ever smokers	RPTOR	cg12078154	rs72859646	T	C	-0.917	0.068	0.026	7.23E-42	-0.042	0.046	0.359	0.047	183.684	TRUE	3.29E-39

COPD in ever smokers	RPTOR	cg12078154	rs76300060	G	A	-0.268	0.047	0.065	1.73E-08	-0.003	0.030	0.919	0.009	31.761	TRUE	3.18E-08
COPD in ever smokers	RPTOR	cg12078154	rs9905501	T	C	0.284	0.025	0.341	1.84E-30	-0.013	0.016	0.417	0.034	131.514	TRUE	1.20E-28
COPD in ever smokers	RPTOR	cg12088417	rs117805133	T	C	-0.550	0.089	0.017	5.82E-10	-0.002	0.057	0.968	0.010	38.362	TRUE	1.14E-09
COPD in ever smokers	RPTOR	cg12088417	rs117865905	C	T	-0.723	0.113	0.024	1.64E-10	0.005	0.045	0.918	0.011	40.838	TRUE	3.58E-10
COPD in ever smokers	RPTOR	cg12088417	rs118003029	A	G	-0.431	0.055	0.089	2.60E-15	-0.030	0.025	0.230	0.017	62.511	TRUE	3.67E-14
COPD in ever smokers	RPTOR	cg12088417	rs118099953	T	C	-0.515	0.063	0.036	3.58E-16	0.033	0.037	0.372	0.018	66.421	TRUE	3.78E-15
COPD in ever smokers	RPTOR	cg12088417	rs11869826	A	G	-0.709	0.024	0.310	4.00E-192	-0.007	0.016	0.657	0.191	873.720	TRUE	7.76E-173
COPD in ever smokers	RPTOR	cg12088417	rs12450690	T	G	-0.182	0.026	0.264	4.51E-12	0.008	0.016	0.605	0.013	47.862	TRUE	1.82E-11
COPD in ever smokers	RPTOR	cg12088417	rs12451164	T	C	0.281	0.027	0.237	3.18E-25	-0.011	0.017	0.534	0.028	107.609	TRUE	7.19E-24
COPD in ever smokers	RPTOR	cg12088417	rs28364735	C	T	-0.206	0.025	0.280	3.56E-16	0.001	0.016	0.947	0.018	66.431	TRUE	1.24E-15
COPD in ever smokers	RPTOR	cg12088417	rs34479366	C	T	0.278	0.029	0.198	4.55E-21	-0.015	0.019	0.442	0.023	88.673	TRUE	7.62E-20
COPD in ever smokers	RPTOR	cg12088417	rs35904260	G	A	0.264	0.023	0.445	1.40E-29	-0.001	0.015	0.940	0.033	127.489	TRUE	2.05E-28
COPD in ever smokers	RPTOR	cg12088417	rs4522458	T	C	-0.161	0.027	0.238	4.36E-09	-0.007	0.017	0.671	0.009	34.435	TRUE	1.16E-08
COPD in ever smokers	RPTOR	cg12088417	rs4889855	G	A	0.231	0.032	0.162	2.71E-13	0.025	0.020	0.208	0.014	53.378	TRUE	3.05E-12
COPD in ever smokers	RPTOR	cg12088417	rs62067893	T	C	-0.624	0.069	0.037	2.28E-19	0.021	0.042	0.622	0.021	80.939	TRUE	2.04E-18
COPD in ever smokers	RPTOR	cg12088417	rs72856013	A	G	-0.307	0.036	0.120	1.17E-17	-0.017	0.024	0.476	0.019	73.160	TRUE	1.17E-16
COPD in ever smokers	RPTOR	cg12088417	rs74003912	A	G	-0.251	0.030	0.199	1.82E-17	-0.025	0.019	0.186	0.019	72.290	TRUE	4.13E-16
COPD in ever smokers	RPTOR	cg12592365	rs719781	A	G	0.210	0.026	0.253	8.83E-16	-0.009	0.017	0.608	0.017	64.640	TRUE	5.38E-15
COPD in ever smokers	RPTOR	cg12654199	rs117736066	G	A	-0.259	0.041	0.088	3.55E-10	-0.038	0.027	0.159	0.011	39.322	TRUE	2.92E-09
COPD in ever smokers	RPTOR	cg12654199	rs118107399	T	C	0.977	0.148	0.014	4.59E-11	0.032	0.067	0.630	0.012	43.320	TRUE	1.60E-10
COPD in ever smokers	RPTOR	cg12654199	rs118182693	G	A	-0.363	0.057	0.042	1.39E-10	-0.049	0.038	0.200	0.011	41.154	TRUE	1.07E-09
COPD in ever smokers	RPTOR	cg12654199	rs11870398	T	C	-0.228	0.024	0.387	2.49E-21	0.013	0.015	0.399	0.024	89.866	TRUE	4.84E-20
COPD in ever smokers	RPTOR	cg12654199	rs3923310	G	A	0.150	0.025	0.334	1.05E-09	0.014	0.016	0.379	0.010	37.215	TRUE	4.70E-09
COPD in ever smokers	RPTOR	cg12654199	rs4890053	G	A	-0.198	0.024	0.467	5.29E-17	-0.024	0.016	0.129	0.019	70.189	TRUE	1.46E-15
COPD in ever smokers	RPTOR	cg12654199	rs55633095	T	C	-0.236	0.043	0.084	3.08E-08	-0.043	0.026	0.098	0.008	30.640	TRUE	2.30E-07
COPD in ever smokers	RPTOR	cg12654199	rs62069406	C	T	-0.316	0.055	0.051	1.13E-08	0.023	0.035	0.514	0.009	32.587	TRUE	3.57E-08
COPD in ever smokers	RPTOR	cg12654199	rs7208789	T	C	0.681	0.038	0.107	4.13E-71	-0.009	0.025	0.710	0.079	317.736	TRUE	8.09E-67
COPD in ever smokers	RPTOR	cg12654199	rs7209132	C	T	0.634	0.024	0.365	8.23E-157	0.009	0.016	0.584	0.161	711.389	TRUE	1.31E-142
COPD in ever smokers	RPTOR	cg12654199	rs8073414	G	A	-0.327	0.025	0.353	3.62E-40	0.019	0.015	0.212	0.045	175.907	TRUE	2.56E-37
COPD in ever smokers	RPTOR	cg13005428	rs1062935	C	T	-0.443	0.023	0.472	2.32E-81	0.009	0.015	0.555	0.090	364.782	TRUE	7.00E-76
COPD in ever smokers	RPTOR	cg13005428	rs113059224	A	G	-0.375	0.043	0.070	3.00E-18	0.032	0.024	0.185	0.020	75.848	TRUE	7.72E-17
COPD in ever smokers	RPTOR	cg13005428	rs11548824	A	G	-0.417	0.033	0.154	5.28E-36	-0.001	0.019	0.949	0.041	156.855	TRUE	1.67E-34
COPD in ever smokers	RPTOR	cg13005428	rs11652514	A	G	0.432	0.077	0.053	1.94E-08	0.013	0.036	0.713	0.008	31.542	TRUE	4.56E-08
COPD in ever smokers	RPTOR	cg13005428	rs117631786	A	G	0.591	0.087	0.042	1.09E-11	-0.032	0.046	0.487	0.012	46.141	TRUE	5.14E-11
COPD in ever smokers	RPTOR	cg13005428	rs117763980	T	C	-0.710	0.054	0.043	8.31E-39	0.016	0.036	0.655	0.044	169.678	TRUE	8.57E-37
COPD in ever smokers	RPTOR	cg13005428	rs117951413	T	C	-0.191	0.031	0.159	1.42E-09	-0.027	0.021	0.189	0.010	36.622	TRUE	9.62E-09
COPD in ever smokers	RPTOR	cg13005428	rs200806876	T	C	-0.461	0.050	0.069	3.58E-20	-0.044	0.030	0.141	0.022	84.594	TRUE	1.53E-18
COPD in ever smokers	RPTOR	cg13005428	rs34206539	C	T	-0.209	0.024	0.442	8.17E-19	-0.021	0.015	0.157	0.021	78.415	TRUE	2.60E-17
COPD in ever smokers	RPTOR	cg13005428	rs34824166	T	C	0.491	0.068	0.032	6.75E-13	0.058	0.041	0.156	0.014	51.588	TRUE	8.61E-12
COPD in ever smokers	RPTOR	cg13005428	rs55980508	A	G	-0.805	0.093	0.017	3.55E-18	0.004	0.055	0.941	0.020	75.516	TRUE	1.52E-17
COPD in ever smokers	RPTOR	cg13005428	rs61124969	A	G	-1.017	0.019	0.300	<1E-200	-0.004	0.016	0.824	0.436	2854.544	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg13005428	rs62068550	A	G	0.425	0.034	0.143	5.21E-35	-0.021	0.022	0.332	0.040	152.307	TRUE	9.00E-33

COPD in ever smokers	RPTOR	cg13005428	rs6565524	T	C	-0.234	0.040	0.098	7.25E-09	0.015	0.026	0.550	0.009	33.450	TRUE	2.23E-08
COPD in ever smokers	RPTOR	cg13005428	rs72850524	T	C	-0.747	0.063	0.037	5.07E-32	-0.073	0.038	0.055	0.036	138.647	TRUE	3.36E-29
COPD in ever smokers	RPTOR	cg13005428	rs77734083	A	G	-0.642	0.090	0.018	8.80E-13	0.074	0.051	0.141	0.014	51.067	TRUE	1.17E-11
COPD in ever smokers	RPTOR	cg13005428	rs9903399	C	T	-0.493	0.040	0.222	6.98E-35	0.016	0.018	0.375	0.039	151.724	TRUE	1.00E-32
COPD in ever smokers	RPTOR	cg13098428	rs4969277	T	C	-0.384	0.030	0.184	1.79E-36	0.035	0.019	0.071	0.041	159.001	TRUE	2.13E-33
COPD in ever smokers	RPTOR	cg13136721	rs11150760	A	G	0.310	0.030	0.178	2.58E-24	-0.009	0.019	0.633	0.027	103.464	TRUE	4.08E-23
COPD in ever smokers	RPTOR	cg13136721	rs1137045	G	A	0.143	0.023	0.472	5.52E-10	0.023	0.015	0.129	0.010	38.464	TRUE	4.90E-09
COPD in ever smokers	RPTOR	cg13136721	rs11653319	T	C	-0.277	0.027	0.291	1.39E-24	-0.030	0.017	0.081	0.028	104.691	TRUE	1.86E-22
COPD in ever smokers	RPTOR	cg13136721	rs117602881	G	A	0.231	0.031	0.175	1.48E-13	0.016	0.019	0.420	0.015	54.573	TRUE	1.00E-12
COPD in ever smokers	RPTOR	cg13136721	rs117763980	T	C	-0.493	0.055	0.043	2.04E-19	0.016	0.036	0.655	0.021	81.157	TRUE	1.72E-18
COPD in ever smokers	RPTOR	cg13136721	rs139078473	A	G	0.434	0.051	0.052	1.60E-17	0.004	0.032	0.910	0.019	72.549	TRUE	6.77E-17
COPD in ever smokers	RPTOR	cg13136721	rs17848659	T	G	-0.346	0.025	0.330	7.23E-45	0.003	0.016	0.868	0.051	197.420	TRUE	9.64E-43
COPD in ever smokers	RPTOR	cg13136721	rs34781048	A	G	-0.879	0.020	0.434	<1E-200	-0.002	0.015	0.906	0.340	1907.260	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg13136721	rs35439443	A	G	-0.543	0.068	0.033	1.53E-15	0.053	0.040	0.192	0.017	63.553	TRUE	2.55E-14
COPD in ever smokers	RPTOR	cg13136721	rs4969229	T	C	-0.552	0.081	0.050	8.64E-12	-0.043	0.033	0.200	0.012	46.589	TRUE	7.97E-11
COPD in ever smokers	RPTOR	cg13136721	rs4969300	A	G	0.285	0.035	0.120	8.67E-16	-0.001	0.023	0.980	0.017	64.678	TRUE	2.76E-15
COPD in ever smokers	RPTOR	cg13136721	rs7207052	T	C	-0.391	0.042	0.196	2.78E-20	0.013	0.018	0.466	0.022	85.091	TRUE	3.97E-19
COPD in ever smokers	RPTOR	cg13136721	rs7221927	C	T	0.240	0.025	0.354	1.15E-22	0.012	0.016	0.459	0.025	95.943	TRUE	2.27E-21
COPD in ever smokers	RPTOR	cg13136721	rs72850576	A	C	0.413	0.032	0.155	5.45E-37	-0.014	0.020	0.480	0.042	161.365	TRUE	7.41E-35
COPD in ever smokers	RPTOR	cg13136721	rs74387351	A	C	-0.317	0.042	0.102	2.93E-14	0.035	0.025	0.156	0.015	57.748	TRUE	4.64E-13
COPD in ever smokers	RPTOR	cg13136721	rs8069265	C	T	0.133	0.024	0.446	1.57E-08	-0.016	0.015	0.298	0.009	31.943	TRUE	7.04E-08
COPD in ever smokers	RPTOR	cg13136721	rs8070693	C	T	-0.356	0.044	0.082	2.88E-16	0.016	0.026	0.542	0.018	66.846	TRUE	2.12E-15
COPD in ever smokers	RPTOR	cg13311292	rs7503757	G	A	-0.255	0.037	0.112	9.80E-12	-0.008	0.024	0.730	0.012	46.343	TRUE	3.14E-11
COPD in ever smokers	RPTOR	cg13526488	rs11150745	G	A	-0.386	0.025	0.314	6.66E-54	-0.021	0.016	0.195	0.061	238.820	TRUE	6.03E-50
COPD in ever smokers	RPTOR	cg13526488	rs112384134	C	T	-0.814	0.125	0.023	7.36E-11	-0.045	0.050	0.369	0.011	42.397	TRUE	3.92E-10
COPD in ever smokers	RPTOR	cg13526488	rs118107399	T	C	0.902	0.149	0.014	1.29E-09	0.032	0.067	0.630	0.010	36.814	TRUE	3.83E-09
COPD in ever smokers	RPTOR	cg13526488	rs2340773	T	C	0.794	0.036	0.116	6.27E-107	-0.004	0.024	0.855	0.115	482.186	TRUE	1.70E-99
COPD in ever smokers	RPTOR	cg13526488	rs2672893	A	G	0.204	0.031	0.160	5.70E-11	0.011	0.020	0.573	0.011	42.898	TRUE	2.15E-10
COPD in ever smokers	RPTOR	cg13526488	rs4375716	T	G	-0.276	0.029	0.194	3.63E-21	-0.002	0.019	0.922	0.024	89.116	TRUE	2.18E-20
COPD in ever smokers	RPTOR	cg13526488	rs4426398	T	C	-0.197	0.034	0.139	4.73E-09	-0.038	0.022	0.087	0.009	34.277	TRUE	4.32E-08
COPD in ever smokers	RPTOR	cg13526488	rs58419250	A	G	-0.185	0.031	0.184	1.71E-09	0.037	0.020	0.060	0.010	36.262	TRUE	1.98E-08
COPD in ever smokers	RPTOR	cg13526488	rs7210110	A	G	-0.883	0.028	0.200	3.53E-222	0.008	0.019	0.652	0.215	1011.906	TRUE	7.90E-198
COPD in ever smokers	RPTOR	cg13526488	rs72852801	A	G	-0.478	0.044	0.076	1.46E-27	-0.029	0.029	0.328	0.031	118.272	TRUE	8.46E-26
COPD in ever smokers	RPTOR	cg13526488	rs72853728	C	T	-0.340	0.033	0.144	2.46E-24	-0.007	0.022	0.769	0.027	103.559	TRUE	2.87E-23
COPD in ever smokers	RPTOR	cg13526488	rs80146578	T	C	-0.252	0.024	0.425	3.31E-26	-0.014	0.016	0.367	0.029	112.093	TRUE	1.38E-24
COPD in ever smokers	RPTOR	cg13549638	rs12937510	T	C	-0.236	0.027	0.241	1.39E-18	0.006	0.017	0.711	0.020	77.367	TRUE	9.51E-18
COPD in ever smokers	RPTOR	cg13549638	rs2333984	G	A	0.639	0.028	0.203	1.25E-112	-0.025	0.018	0.174	0.121	508.379	TRUE	9.84E-103
COPD in ever smokers	RPTOR	cg13549638	rs55735336	T	C	-0.211	0.037	0.114	1.37E-08	-0.039	0.024	0.115	0.009	32.208	TRUE	1.02E-07
COPD in ever smokers	RPTOR	cg13549638	rs57860295	A	G	0.174	0.028	0.247	3.04E-10	0.012	0.017	0.504	0.011	39.624	TRUE	1.18E-09
COPD in ever smokers	RPTOR	cg13549638	rs62068487	A	G	-0.197	0.025	0.319	6.47E-15	0.004	0.016	0.811	0.016	60.720	TRUE	2.51E-14
COPD in ever smokers	RPTOR	cg13549638	rs72853711	C	T	0.236	0.037	0.115	1.43E-10	-0.044	0.024	0.073	0.011	41.105	TRUE	1.85E-09
COPD in ever smokers	RPTOR	cg13549638	rs72853757	C	T	0.194	0.033	0.146	4.91E-09	-0.014	0.022	0.518	0.009	34.205	TRUE	1.61E-08

COPD in ever smokers	RPTOR	cg13549638	rs7502841	A	G	0.263	0.027	0.232	1.06E-21	-0.004	0.018	0.815	0.024	91.549	TRUE	8.35E-21
COPD in ever smokers	RPTOR	cg13643509	rs8077224	A	G	-0.134	0.023	0.428	1.24E-08	0.011	0.015	0.480	0.009	32.404	TRUE	4.11E-08
COPD in ever smokers	RPTOR	cg13762486	rs4969314	G	T	0.335	0.025	0.316	1.01E-39	-0.007	0.016	0.664	0.045	173.864	TRUE	1.16E-37
COPD in ever smokers	RPTOR	cg13762486	rs7219221	G	A	-0.208	0.034	0.173	9.68E-10	0.043	0.020	0.031	0.010	37.368	TRUE	1.55E-08
COPD in ever smokers	RPTOR	cg13831388	rs11656246	A	G	0.309	0.026	0.241	7.92E-32	0.006	0.017	0.717	0.036	137.761	TRUE	2.64E-30
COPD in ever smokers	RPTOR	cg14073057	rs9915426	G	A	-0.225	0.029	0.202	1.24E-14	0.005	0.019	0.789	0.016	59.443	TRUE	4.85E-14
COPD in ever smokers	RPTOR	cg14289594	rs12937265	T	C	-0.189	0.025	0.320	1.88E-14	0.000	0.016	0.985	0.016	58.627	TRUE	5.25E-14
COPD in ever smokers	RPTOR	cg14343513	rs11150745	G	A	-0.276	0.025	0.314	7.37E-28	-0.021	0.016	0.195	0.031	119.634	TRUE	7.81E-26
COPD in ever smokers	RPTOR	cg14343513	rs11655574	A	G	0.149	0.025	0.361	3.22E-09	0.022	0.016	0.166	0.009	35.026	TRUE	2.21E-08
COPD in ever smokers	RPTOR	cg14343513	rs118107399	T	C	1.087	0.148	0.014	2.30E-13	0.032	0.067	0.630	0.014	53.705	TRUE	1.03E-12
COPD in ever smokers	RPTOR	cg14343513	rs12950676	T	C	-0.270	0.024	0.431	4.19E-30	0.002	0.015	0.895	0.034	129.885	TRUE	7.26E-29
COPD in ever smokers	RPTOR	cg14343513	rs2672890	T	C	0.230	0.042	0.178	3.64E-08	-0.033	0.019	0.084	0.008	30.313	TRUE	2.86E-07
COPD in ever smokers	RPTOR	cg14343513	rs35926934	A	G	0.966	0.035	0.117	2.56E-165	-0.005	0.024	0.841	0.169	750.495	TRUE	1.44E-150
COPD in ever smokers	RPTOR	cg14343513	rs55959137	G	A	-0.251	0.024	0.493	1.50E-26	0.015	0.015	0.317	0.030	113.663	TRUE	7.78E-25
COPD in ever smokers	RPTOR	cg14343513	rs62070202	T	C	-0.256	0.042	0.079	1.12E-09	-0.024	0.028	0.377	0.010	37.085	TRUE	5.02E-09
COPD in ever smokers	RPTOR	cg14343513	rs72859613	T	C	0.466	0.073	0.020	1.82E-10	-0.083	0.051	0.101	0.011	40.630	TRUE	1.98E-09
COPD in ever smokers	RPTOR	cg14343513	rs734338	A	G	-0.167	0.023	0.497	1.08E-12	0.010	0.015	0.501	0.014	50.662	TRUE	5.62E-12
COPD in ever smokers	RPTOR	cg14600877	rs113059224	A	G	-0.279	0.043	0.070	9.67E-11	0.032	0.024	0.185	0.011	41.865	TRUE	7.97E-10
COPD in ever smokers	RPTOR	cg14600877	rs113714895	T	C	-0.457	0.043	0.080	6.59E-27	0.008	0.025	0.737	0.030	115.288	TRUE	1.13E-25
COPD in ever smokers	RPTOR	cg14600877	rs11650195	C	T	-0.180	0.033	0.404	3.24E-08	-0.010	0.015	0.520	0.008	30.542	TRUE	9.64E-08
COPD in ever smokers	RPTOR	cg14600877	rs12449867	C	T	0.172	0.025	0.343	2.38E-12	0.017	0.016	0.284	0.013	49.119	TRUE	1.88E-11
COPD in ever smokers	RPTOR	cg14600877	rs139078473	A	G	0.381	0.051	0.052	8.67E-14	0.004	0.032	0.910	0.015	55.616	TRUE	2.58E-13
COPD in ever smokers	RPTOR	cg14600877	rs4969236	C	T	-0.296	0.023	0.495	7.28E-37	-0.011	0.015	0.483	0.042	160.790	TRUE	9.62E-35
COPD in ever smokers	RPTOR	cg14600877	rs56412625	G	A	0.170	0.027	0.250	2.21E-10	0.014	0.017	0.417	0.011	40.253	TRUE	1.01E-09
COPD in ever smokers	RPTOR	cg14600877	rs58642634	T	C	-0.502	0.047	0.076	8.00E-27	0.043	0.028	0.125	0.030	114.906	TRUE	1.09E-24
COPD in ever smokers	RPTOR	cg14600877	rs62075409	A	G	0.443	0.029	0.190	5.49E-52	-0.017	0.019	0.368	0.059	230.039	TRUE	1.32E-48
COPD in ever smokers	RPTOR	cg14600877	rs6565524	T	C	-0.353	0.040	0.098	1.56E-18	0.015	0.026	0.550	0.020	77.137	TRUE	1.48E-17
COPD in ever smokers	RPTOR	cg14600877	rs71368095	A	G	-0.521	0.027	0.219	2.72E-81	0.011	0.018	0.550	0.090	364.461	TRUE	8.28E-76
COPD in ever smokers	RPTOR	cg14600877	rs72859646	T	C	0.428	0.068	0.026	3.77E-10	-0.042	0.046	0.359	0.010	39.209	TRUE	1.86E-09
COPD in ever smokers	RPTOR	cg14600877	rs7502563	A	G	-1.043	0.017	0.391	<1E-200	0.006	0.015	0.711	0.501	3712.236	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg14600877	rs78595627	T	C	-0.301	0.042	0.102	5.74E-13	0.035	0.025	0.154	0.014	51.905	TRUE	7.47E-12
COPD in ever smokers	RPTOR	cg14600877	rs9911223	A	G	0.378	0.025	0.310	3.66E-52	0.003	0.016	0.844	0.059	230.848	TRUE	1.59E-49
COPD in ever smokers	RPTOR	cg14647957	rs111492191	A	G	-0.320	0.055	0.043	5.75E-09	0.023	0.034	0.494	0.009	33.899	TRUE	1.94E-08
COPD in ever smokers	RPTOR	cg14647957	rs17848624	C	A	-0.260	0.041	0.088	3.57E-10	-0.030	0.027	0.270	0.011	39.314	TRUE	2.14E-09
COPD in ever smokers	RPTOR	cg14647957	rs2589132	C	T	0.137	0.023	0.485	5.22E-09	-0.008	0.015	0.612	0.009	34.086	TRUE	1.49E-08
COPD in ever smokers	RPTOR	cg14647957	rs34713877	A	G	-0.506	0.091	0.036	3.00E-08	-0.015	0.040	0.703	0.008	30.692	TRUE	7.02E-08
COPD in ever smokers	RPTOR	cg14647957	rs4969282	T	G	-0.669	0.032	0.139	6.51E-95	0.017	0.021	0.424	0.103	427.000	TRUE	8.11E-88
COPD in ever smokers	RPTOR	cg14780427	rs111396639	A	G	-0.732	0.025	0.258	8.77E-183	0.017	0.018	0.349	0.183	830.777	TRUE	5.51E-164
COPD in ever smokers	RPTOR	cg14780427	rs11150747	T	C	-0.442	0.027	0.249	1.99E-60	-0.002	0.017	0.922	0.068	268.736	TRUE	2.62E-57
COPD in ever smokers	RPTOR	cg14780427	rs11651724	A	G	-0.466	0.037	0.117	7.11E-37	0.013	0.023	0.580	0.042	160.837	TRUE	6.93E-35
COPD in ever smokers	RPTOR	cg14780427	rs117209908	A	G	-0.628	0.050	0.059	4.48E-36	0.072	0.031	0.021	0.041	157.181	TRUE	1.35E-32
COPD in ever smokers	RPTOR	cg14780427	rs117805133	T	C	-0.560	0.089	0.017	3.25E-10	-0.002	0.057	0.968	0.011	39.498	TRUE	6.49E-10

COPD in ever smokers	RPTOR	cg14780427	rs118107399	T	C	0.950	0.149	0.014	1.57E-10	0.032	0.067	0.630	0.011	40.915	TRUE	5.16E-10
COPD in ever smokers	RPTOR	cg14780427	rs12949279	C	T	0.806	0.020	0.440	<1E-200	-0.015	0.015	0.302	0.303	1605.490	TRUE	2.36E-298
COPD in ever smokers	RPTOR	cg14780427	rs190762278	G	A	-0.354	0.028	0.214	9.08E-37	-0.013	0.018	0.477	0.042	160.350	TRUE	1.21E-34
COPD in ever smokers	RPTOR	cg14780427	rs4072746	T	C	-0.296	0.038	0.115	9.95E-15	0.040	0.024	0.093	0.016	59.873	TRUE	2.35E-13
COPD in ever smokers	RPTOR	cg14780427	rs4426398	T	C	0.296	0.034	0.139	1.32E-18	-0.038	0.022	0.087	0.021	77.469	TRUE	6.19E-17
COPD in ever smokers	RPTOR	cg14780427	rs4890035	A	G	-0.192	0.029	0.198	4.43E-11	-0.002	0.019	0.934	0.012	43.391	TRUE	9.96E-11
COPD in ever smokers	RPTOR	cg14780427	rs62067893	T	C	-0.838	0.069	0.037	5.64E-34	0.021	0.042	0.622	0.038	147.577	TRUE	3.23E-32
COPD in ever smokers	RPTOR	cg14780427	rs72858264	C	A	0.536	0.066	0.031	4.76E-16	0.014	0.045	0.753	0.017	65.858	TRUE	2.29E-15
COPD in ever smokers	RPTOR	cg14780427	rs8069320	C	A	0.253	0.024	0.490	7.66E-27	0.017	0.015	0.260	0.030	114.992	TRUE	5.16E-25
COPD in ever smokers	RPTOR	cg14780427	rs9908112	A	G	0.904	0.036	0.116	3.95E-141	-0.003	0.024	0.910	0.147	639.320	TRUE	8.27E-130
COPD in ever smokers	RPTOR	cg15022015	rs2280147	C	T	0.187	0.027	0.225	5.46E-12	-0.016	0.018	0.363	0.013	47.489	TRUE	3.41E-11
COPD in ever smokers	RPTOR	cg15022015	rs71368095	A	G	-0.155	0.028	0.219	2.09E-08	0.011	0.018	0.550	0.008	31.394	TRUE	6.08E-08
COPD in ever smokers	RPTOR	cg15096353	rs114177791	T	G	0.247	0.028	0.215	3.34E-18	-0.013	0.018	0.489	0.020	75.638	TRUE	3.47E-17
COPD in ever smokers	RPTOR	cg15096353	rs117117100	A	G	0.492	0.075	0.024	6.52E-11	0.022	0.045	0.623	0.011	42.634	TRUE	2.26E-10
COPD in ever smokers	RPTOR	cg15096353	rs117209908	A	G	0.546	0.050	0.059	1.48E-27	0.072	0.031	0.021	0.031	118.246	TRUE	8.79E-25
COPD in ever smokers	RPTOR	cg15096353	rs117805133	T	C	0.579	0.089	0.017	7.07E-11	-0.002	0.057	0.968	0.011	42.477	TRUE	1.49E-10
COPD in ever smokers	RPTOR	cg15096353	rs12452137	G	A	0.728	0.026	0.249	2.36E-170	0.012	0.017	0.484	0.173	773.639	TRUE	6.47E-154
COPD in ever smokers	RPTOR	cg15096353	rs147459147	G	T	-0.261	0.024	0.486	1.98E-28	0.019	0.015	0.223	0.032	122.239	TRUE	2.00E-26
COPD in ever smokers	RPTOR	cg15096353	rs2589138	T	C	-0.244	0.028	0.230	3.36E-18	0.006	0.018	0.740	0.020	75.626	TRUE	2.09E-17
COPD in ever smokers	RPTOR	cg15096353	rs35832855	C	T	0.132	0.024	0.436	2.10E-08	-0.008	0.015	0.610	0.008	31.381	TRUE	5.64E-08
COPD in ever smokers	RPTOR	cg15096353	rs4969429	A	G	0.280	0.026	0.273	1.21E-26	-0.007	0.017	0.685	0.030	114.092	TRUE	2.25E-25
COPD in ever smokers	RPTOR	cg15096353	rs62067893	T	C	0.520	0.069	0.037	7.26E-14	0.021	0.042	0.622	0.015	55.967	TRUE	3.47E-13
COPD in ever smokers	RPTOR	cg15096353	rs62944760	C	A	-0.395	0.042	0.084	5.41E-21	-0.017	0.027	0.522	0.023	88.331	TRUE	7.36E-20
COPD in ever smokers	RPTOR	cg15096353	rs72853735	G	A	0.326	0.036	0.118	1.57E-19	-0.016	0.024	0.508	0.022	81.678	TRUE	1.84E-18
COPD in ever smokers	RPTOR	cg15097361	rs11150745	G	A	-0.240	0.025	0.314	2.04E-21	-0.021	0.016	0.195	0.024	90.253	TRUE	8.10E-20
COPD in ever smokers	RPTOR	cg15097361	rs118011999	A	G	-0.731	0.115	0.024	1.71E-10	0.005	0.047	0.911	0.011	40.753	TRUE	3.77E-10
COPD in ever smokers	RPTOR	cg15097361	rs12943620	T	G	-0.200	0.027	0.225	1.86E-13	-0.037	0.018	0.038	0.014	54.116	TRUE	5.63E-12
COPD in ever smokers	RPTOR	cg15097361	rs183789618	A	G	-0.436	0.070	0.025	3.76E-10	-0.033	0.048	0.491	0.010	39.215	TRUE	1.47E-09
COPD in ever smokers	RPTOR	cg15097361	rs2048753	A	G	-0.217	0.027	0.250	2.49E-16	0.000	0.017	0.983	0.018	67.131	TRUE	8.30E-16
COPD in ever smokers	RPTOR	cg15097361	rs35352641	T	C	-0.735	0.038	0.209	1.04E-83	-0.035	0.018	0.056	0.092	375.566	TRUE	3.13E-76
COPD in ever smokers	RPTOR	cg15097361	rs368324269	T	C	-0.392	0.059	0.041	3.08E-11	-0.038	0.036	0.285	0.012	44.100	TRUE	2.08E-10
COPD in ever smokers	RPTOR	cg15097361	rs7219745	C	A	0.263	0.033	0.141	2.44E-15	0.011	0.022	0.604	0.017	62.643	TRUE	1.42E-14
COPD in ever smokers	RPTOR	cg15097361	rs7221948	C	T	-0.241	0.024	0.410	1.04E-23	0.000	0.015	0.996	0.027	100.695	TRUE	7.02E-23
COPD in ever smokers	RPTOR	cg15097361	rs7225476	G	A	0.140	0.024	0.464	3.22E-09	0.017	0.015	0.242	0.009	35.025	TRUE	1.80E-08
COPD in ever smokers	RPTOR	cg15097361	rs72858264	C	A	-0.416	0.066	0.031	3.35E-10	0.014	0.045	0.753	0.011	39.436	TRUE	8.93E-10
COPD in ever smokers	RPTOR	cg15097361	rs75293675	T	C	0.235	0.031	0.168	6.57E-14	-0.019	0.020	0.351	0.015	56.163	TRUE	5.43E-13
COPD in ever smokers	RPTOR	cg15116918	rs7209576	A	G	0.149	0.023	0.452	1.80E-10	-0.004	0.015	0.796	0.011	40.654	TRUE	4.63E-10
COPD in ever smokers	RPTOR	cg15228441	rs2048753	A	G	-0.173	0.027	0.250	6.76E-11	0.000	0.017	0.983	0.011	42.566	TRUE	1.40E-10
COPD in ever smokers	RPTOR	cg15228441	rs2672893	A	G	0.216	0.031	0.160	4.00E-12	0.011	0.020	0.573	0.013	48.096	TRUE	1.72E-11
COPD in ever smokers	RPTOR	cg15228441	rs28377011	C	T	-0.322	0.042	0.082	1.71E-14	-0.023	0.028	0.399	0.016	58.812	TRUE	1.36E-13
COPD in ever smokers	RPTOR	cg15228441	rs35352641	T	C	-0.634	0.038	0.209	1.43E-61	-0.035	0.018	0.056	0.069	273.981	TRUE	2.88E-56
COPD in ever smokers	RPTOR	cg15230985	rs117219902	A	G	-0.250	0.045	0.072	3.18E-08	-0.022	0.029	0.445	0.008	30.580	TRUE	1.06E-07

COPD in ever smokers	RPTOR	cg15230985	rs118107399	T	C	0.917	0.149	0.014	6.62E-10	0.032	0.067	0.630	0.010	38.108	TRUE	2.03E-09
COPD in ever smokers	RPTOR	cg15230985	rs35926934	A	G	0.809	0.036	0.117	6.02E-113	-0.005	0.024	0.841	0.121	509.828	TRUE	7.79E-105
COPD in ever smokers	RPTOR	cg15230985	rs4453556	G	A	0.186	0.024	0.417	4.35E-15	0.000	0.015	0.980	0.016	61.504	TRUE	1.30E-14
COPD in ever smokers	RPTOR	cg15230985	rs4969230	C	T	-0.377	0.024	0.401	1.49E-56	0.003	0.015	0.857	0.064	250.973	TRUE	1.27E-53
COPD in ever smokers	RPTOR	cg15230985	rs9890464	C	T	-0.167	0.024	0.491	1.40E-12	0.018	0.015	0.236	0.013	50.152	TRUE	1.30E-11
COPD in ever smokers	RPTOR	cg15230985	rs9904611	A	G	-0.168	0.027	0.254	9.68E-10	0.015	0.018	0.388	0.010	37.368	TRUE	4.29E-09
COPD in ever smokers	RPTOR	cg15358690	rs113059224	A	G	-0.369	0.043	0.070	9.53E-18	0.032	0.024	0.185	0.020	73.569	TRUE	2.27E-16
COPD in ever smokers	RPTOR	cg15358690	rs113335931	G	A	0.200	0.033	0.150	7.33E-10	-0.015	0.021	0.476	0.010	37.909	TRUE	2.84E-09
COPD in ever smokers	RPTOR	cg15358690	rs113714895	T	C	-0.503	0.042	0.080	2.04E-32	0.008	0.025	0.737	0.037	140.457	TRUE	6.97E-31
COPD in ever smokers	RPTOR	cg15358690	rs11651707	T	C	-0.877	0.023	0.245	<1E-200	0.006	0.017	0.719	0.278	1425.488	TRUE	4.77E-270
COPD in ever smokers	RPTOR	cg15358690	rs11655877	C	T	-0.296	0.023	0.406	1.86E-36	-0.017	0.015	0.257	0.041	158.927	TRUE	5.61E-34
COPD in ever smokers	RPTOR	cg15358690	rs11868966	C	A	0.401	0.032	0.167	7.07E-37	-0.010	0.020	0.637	0.042	160.846	TRUE	5.83E-35
COPD in ever smokers	RPTOR	cg15358690	rs12449867	C	T	0.146	0.025	0.343	3.26E-09	0.017	0.016	0.284	0.009	35.006	TRUE	1.65E-08
COPD in ever smokers	RPTOR	cg15358690	rs183036865	A	G	-0.359	0.056	0.041	1.75E-10	0.015	0.037	0.691	0.011	40.709	TRUE	5.22E-10
COPD in ever smokers	RPTOR	cg15358690	rs62068550	A	G	0.304	0.035	0.143	1.58E-18	-0.021	0.022	0.332	0.020	77.112	TRUE	2.55E-17
COPD in ever smokers	RPTOR	cg15358690	rs72851827	A	G	0.272	0.050	0.080	4.25E-08	0.039	0.029	0.172	0.008	30.015	TRUE	2.39E-07
COPD in ever smokers	RPTOR	cg15358690	rs868432	A	G	-0.393	0.023	0.444	1.21E-65	-0.013	0.015	0.403	0.073	292.661	TRUE	3.05E-61
COPD in ever smokers	RPTOR	cg15358690	rs9899178	T	C	-0.367	0.025	0.354	1.78E-49	0.002	0.015	0.875	0.056	218.531	TRUE	4.64E-47
COPD in ever smokers	RPTOR	cg15476425	rs2589135	T	C	-0.137	0.024	0.457	6.25E-09	-0.007	0.015	0.632	0.009	33.737	TRUE	1.72E-08
COPD in ever smokers	RPTOR	cg15476425	rs56233717	C	T	0.404	0.036	0.264	1.89E-28	-0.027	0.017	0.117	0.032	122.327	TRUE	3.58E-26
COPD in ever smokers	RPTOR	cg15616522	rs2589119	A	G	0.208	0.036	0.117	9.32E-09	-0.004	0.024	0.877	0.009	32.961	TRUE	1.85E-08
COPD in ever smokers	RPTOR	cg15616522	rs2589131	A	G	0.205	0.033	0.152	9.20E-10	-0.015	0.021	0.473	0.010	37.466	TRUE	3.54E-09
COPD in ever smokers	RPTOR	cg15616522	rs6565473	C	T	0.166	0.023	0.472	1.34E-12	0.011	0.015	0.472	0.013	50.246	TRUE	7.26E-12
COPD in ever smokers	RPTOR	cg15616522	rs7212390	A	G	-0.503	0.029	0.198	2.91E-67	0.006	0.019	0.734	0.075	300.085	TRUE	2.51E-63
COPD in ever smokers	RPTOR	cg15616522	rs75747760	T	C	-0.309	0.041	0.088	5.41E-14	-0.014	0.027	0.601	0.015	56.546	TRUE	2.73E-13
COPD in ever smokers	RPTOR	cg15694704	rs115579065	T	C	-0.302	0.044	0.089	8.89E-12	0.036	0.026	0.164	0.012	46.534	TRUE	9.24E-11
COPD in ever smokers	RPTOR	cg15694704	rs12950583	A	G	-0.997	0.025	0.214	<1E-200	-0.005	0.018	0.768	0.298	1570.896	TRUE	1.34E-294
COPD in ever smokers	RPTOR	cg15694704	rs2672878	T	C	0.233	0.026	0.263	5.95E-19	0.007	0.017	0.669	0.021	79.042	TRUE	4.62E-18
COPD in ever smokers	RPTOR	cg15694704	rs4306553	A	G	-0.134	0.024	0.395	2.58E-08	-0.026	0.015	0.083	0.008	30.982	TRUE	2.10E-07
COPD in ever smokers	RPTOR	cg15694704	rs6565515	T	C	0.261	0.028	0.245	9.82E-21	-0.003	0.018	0.848	0.023	87.151	TRUE	6.50E-20
COPD in ever smokers	RPTOR	cg15694704	rs7220687	C	T	-0.288	0.026	0.289	6.31E-29	0.005	0.017	0.784	0.033	124.506	TRUE	1.23E-27
COPD in ever smokers	RPTOR	cg15694704	rs9898178	G	A	0.182	0.033	0.138	4.86E-08	0.005	0.021	0.829	0.008	29.756	TRUE	9.58E-08
COPD in ever smokers	RPTOR	cg15815120	rs11150745	G	A	0.161	0.025	0.314	1.08E-10	-0.021	0.016	0.195	0.011	41.644	TRUE	8.58E-10
COPD in ever smokers	RPTOR	cg15815120	rs62069406	C	T	0.591	0.054	0.051	1.02E-27	0.023	0.035	0.514	0.031	118.981	TRUE	3.39E-26
COPD in ever smokers	RPTOR	cg15946337	rs201407779	A	G	-0.276	0.041	0.090	1.56E-11	-0.022	0.026	0.397	0.012	45.431	TRUE	8.59E-11
COPD in ever smokers	RPTOR	cg15946337	rs72853711	C	T	-0.268	0.037	0.115	3.01E-13	-0.044	0.024	0.073	0.014	53.176	TRUE	6.28E-12
COPD in ever smokers	RPTOR	cg16015295	rs10871489	G	A	-0.145	0.026	0.301	1.46E-08	0.040	0.016	0.013	0.009	32.089	TRUE	2.42E-07
COPD in ever smokers	RPTOR	cg16015295	rs11150745	G	A	-0.357	0.025	0.314	5.85E-46	-0.021	0.016	0.195	0.052	202.422	TRUE	1.25E-42
COPD in ever smokers	RPTOR	cg16015295	rs1131609	A	G	-0.215	0.027	0.243	5.77E-16	-0.037	0.017	0.035	0.017	65.480	TRUE	2.89E-14
COPD in ever smokers	RPTOR	cg16015295	rs118107399	T	C	0.928	0.149	0.014	4.19E-10	0.032	0.067	0.630	0.010	39.003	TRUE	1.31E-09
COPD in ever smokers	RPTOR	cg16015295	rs2340773	T	C	0.880	0.036	0.116	3.96E-133	-0.004	0.024	0.855	0.140	602.553	TRUE	1.08E-122
COPD in ever smokers	RPTOR	cg16015295	rs4889856	C	T	-0.153	0.023	0.435	6.70E-11	-0.007	0.015	0.645	0.011	42.580	TRUE	2.24E-10

COPD in ever smokers	RPTOR	cg16015295	rs4969404	T	C	-0.175	0.024	0.402	3.50E-13	0.005	0.015	0.741	0.014	52.875	TRUE	1.28E-12
COPD in ever smokers	RPTOR	cg16015295	rs62067183	T	C	-0.137	0.024	0.395	1.16E-08	-0.004	0.015	0.797	0.009	32.528	TRUE	2.53E-08
COPD in ever smokers	RPTOR	cg16015295	rs7217174	T	C	-0.687	0.028	0.201	7.30E-129	0.005	0.019	0.807	0.136	582.955	TRUE	7.69E-119
COPD in ever smokers	RPTOR	cg16015295	rs72852801	A	G	-0.386	0.044	0.076	1.89E-18	-0.029	0.029	0.328	0.020	76.760	TRUE	3.05E-17
COPD in ever smokers	RPTOR	cg16015295	rs72853728	C	T	-0.294	0.034	0.144	1.64E-18	-0.007	0.022	0.769	0.020	77.037	TRUE	9.99E-18
COPD in ever smokers	RPTOR	cg16015295	rs72859613	T	C	0.403	0.073	0.020	3.50E-08	-0.083	0.051	0.101	0.008	30.394	TRUE	2.54E-07
COPD in ever smokers	RPTOR	cg16015295	rs80146578	T	C	-0.232	0.024	0.425	1.73E-22	-0.014	0.016	0.367	0.025	95.138	TRUE	4.32E-21
COPD in ever smokers	RPTOR	cg16018154	rs113714895	T	C	-0.474	0.043	0.080	7.17E-29	0.008	0.025	0.737	0.032	124.252	TRUE	1.56E-27
COPD in ever smokers	RPTOR	cg16018154	rs11658145	C	T	0.162	0.027	0.246	2.12E-09	0.006	0.018	0.740	0.010	35.837	TRUE	5.32E-09
COPD in ever smokers	RPTOR	cg16018154	rs2289765	G	A	0.873	0.034	0.137	7.62E-148	-0.009	0.024	0.703	0.153	670.180	TRUE	3.59E-135
COPD in ever smokers	RPTOR	cg16018154	rs4969236	C	T	-0.283	0.023	0.495	7.85E-34	-0.011	0.015	0.483	0.038	146.919	TRUE	6.66E-32
COPD in ever smokers	RPTOR	cg16018154	rs4969238	C	T	0.162	0.024	0.379	2.31E-11	0.031	0.015	0.046	0.012	44.666	TRUE	4.32E-10
COPD in ever smokers	RPTOR	cg16018154	rs4969284	A	G	-0.860	0.020	0.439	<1E-200	-0.004	0.015	0.780	0.337	1884.356	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg16018154	rs4969313	A	G	-0.351	0.024	0.391	5.68E-48	0.005	0.015	0.760	0.054	211.645	TRUE	1.67E-45
COPD in ever smokers	RPTOR	cg16018154	rs56116211	A	G	0.307	0.023	0.476	9.30E-41	0.008	0.015	0.585	0.046	178.607	TRUE	1.58E-38
COPD in ever smokers	RPTOR	cg16018154	rs59695750	T	C	0.158	0.023	0.495	1.80E-11	-0.018	0.015	0.218	0.012	45.150	TRUE	1.50E-10
COPD in ever smokers	RPTOR	cg16018154	rs6565488	A	C	0.539	0.033	0.135	9.83E-60	0.007	0.021	0.749	0.067	265.556	TRUE	2.07E-56
COPD in ever smokers	RPTOR	cg16018154	rs68130532	C	T	-0.183	0.030	0.198	9.53E-10	-0.025	0.020	0.205	0.010	37.398	TRUE	6.35E-09
COPD in ever smokers	RPTOR	cg16018154	rs72857988	T	C	0.386	0.050	0.050	1.36E-14	-0.031	0.032	0.327	0.016	59.255	TRUE	1.31E-13
COPD in ever smokers	RPTOR	cg16018154	rs7502321	C	T	0.173	0.024	0.386	6.35E-13	0.016	0.015	0.298	0.014	51.708	TRUE	5.24E-12
COPD in ever smokers	RPTOR	cg16115689	rs9912037	A	C	0.167	0.025	0.367	1.53E-11	0.008	0.015	0.601	0.012	45.476	TRUE	5.86E-11
COPD in ever smokers	RPTOR	cg16116279	rs11653319	T	C	-0.162	0.027	0.291	2.44E-09	-0.030	0.017	0.081	0.010	35.570	TRUE	2.42E-08
COPD in ever smokers	RPTOR	cg16116279	rs6565484	C	T	-0.387	0.023	0.485	6.98E-65	-0.010	0.015	0.523	0.073	289.168	TRUE	8.86E-61
COPD in ever smokers	RPTOR	cg16116279	rs72857980	T	C	-0.342	0.050	0.051	8.65E-12	-0.033	0.032	0.302	0.012	46.588	TRUE	6.04E-11
COPD in ever smokers	RPTOR	cg16116279	rs908240	G	A	-0.141	0.024	0.458	2.32E-09	0.008	0.015	0.573	0.010	35.666	TRUE	7.28E-09
COPD in ever smokers	RPTOR	cg16116279	rs9909367	G	A	-0.221	0.029	0.215	2.97E-14	-0.010	0.018	0.585	0.015	57.724	TRUE	1.59E-13
COPD in ever smokers	RPTOR	cg16541275	rs2672898	C	T	-0.196	0.029	0.206	1.20E-11	-0.010	0.019	0.590	0.012	45.947	TRUE	4.74E-11
COPD in ever smokers	RPTOR	cg16565901	rs2291360	A	G	0.192	0.025	0.367	1.09E-14	0.010	0.015	0.504	0.016	59.691	TRUE	7.16E-14
COPD in ever smokers	RPTOR	cg16578291	rs112300010	C	T	-0.201	0.027	0.238	1.87E-13	-0.014	0.018	0.426	0.014	54.104	TRUE	1.24E-12
COPD in ever smokers	RPTOR	cg16636468	rs17848624	C	A	-0.284	0.041	0.088	6.56E-12	-0.030	0.027	0.270	0.013	47.129	TRUE	5.04E-11
COPD in ever smokers	RPTOR	cg16636468	rs7209132	C	T	0.191	0.025	0.365	1.36E-14	0.009	0.016	0.584	0.016	59.259	TRUE	7.57E-14
COPD in ever smokers	RPTOR	cg16636468	rs7212390	A	G	-0.252	0.030	0.198	1.45E-17	0.006	0.019	0.734	0.019	72.737	TRUE	8.51E-17
COPD in ever smokers	RPTOR	cg16638092	rs111396639	A	G	0.220	0.027	0.258	2.22E-16	0.017	0.018	0.349	0.018	67.359	TRUE	2.57E-15
COPD in ever smokers	RPTOR	cg16638092	rs11150745	G	A	-0.260	0.025	0.314	7.16E-25	-0.021	0.016	0.195	0.028	106.002	TRUE	4.79E-23
COPD in ever smokers	RPTOR	cg16638092	rs114177791	T	G	0.177	0.029	0.215	5.51E-10	-0.013	0.018	0.489	0.010	38.468	TRUE	2.12E-09
COPD in ever smokers	RPTOR	cg16638092	rs4969429	A	G	0.176	0.026	0.273	2.35E-11	-0.007	0.017	0.685	0.012	44.631	TRUE	7.76E-11
COPD in ever smokers	RPTOR	cg16638092	rs62070202	T	C	-0.290	0.042	0.079	4.85E-12	-0.024	0.028	0.377	0.013	47.720	TRUE	2.96E-11
COPD in ever smokers	RPTOR	cg16638092	rs7212390	A	G	-0.364	0.029	0.198	6.59E-35	0.006	0.019	0.734	0.039	151.839	TRUE	3.16E-33
COPD in ever smokers	RPTOR	cg16638092	rs72853774	G	T	0.189	0.034	0.138	2.58E-08	-0.019	0.023	0.419	0.008	30.986	TRUE	9.03E-08
COPD in ever smokers	RPTOR	cg16660971	rs2289762	A	G	-0.298	0.027	0.245	4.08E-29	0.007	0.017	0.679	0.033	125.371	TRUE	1.06E-27
COPD in ever smokers	RPTOR	cg16660971	rs2289764	C	T	0.394	0.027	0.241	2.44E-47	-0.022	0.018	0.222	0.053	208.742	TRUE	5.59E-44
COPD in ever smokers	RPTOR	cg16886414	rs113714895	T	C	0.281	0.043	0.080	5.44E-11	0.008	0.025	0.737	0.011	42.989	TRUE	1.60E-10

COPD in ever smokers	RPTOR	cg16886414	rs142546211	A	G	-0.727	0.109	0.019	2.15E-11	-0.045	0.050	0.365	0.012	44.809	TRUE	1.24E-10
COPD in ever smokers	RPTOR	cg16886414	rs183036865	A	G	0.425	0.056	0.041	4.41E-14	0.015	0.037	0.691	0.015	56.947	TRUE	1.92E-13
COPD in ever smokers	RPTOR	cg16886414	rs2289764	C	T	-0.238	0.027	0.241	4.56E-18	-0.022	0.018	0.222	0.020	75.023	TRUE	9.85E-17
COPD in ever smokers	RPTOR	cg16886414	rs4969219	G	T	-0.147	0.024	0.388	1.27E-09	0.020	0.015	0.194	0.010	36.835	TRUE	8.57E-09
COPD in ever smokers	RPTOR	cg16886414	rs4969329	G	A	0.203	0.028	0.251	2.19E-13	0.003	0.017	0.863	0.014	53.802	TRUE	6.72E-13
COPD in ever smokers	RPTOR	cg16886414	rs71368095	A	G	0.704	0.027	0.219	1.60E-153	0.011	0.018	0.550	0.158	696.272	TRUE	1.09E-139
COPD in ever smokers	RPTOR	cg16886414	rs7220687	C	T	-0.381	0.026	0.289	9.31E-50	0.005	0.017	0.784	0.056	219.823	TRUE	3.36E-47
COPD in ever smokers	RPTOR	cg16886414	rs72850524	T	C	0.448	0.064	0.037	2.23E-12	-0.073	0.038	0.055	0.013	49.246	TRUE	4.61E-11
COPD in ever smokers	RPTOR	cg16886414	rs72859646	T	C	-0.904	0.068	0.026	1.18E-40	-0.042	0.046	0.359	0.046	178.139	TRUE	4.40E-38
COPD in ever smokers	RPTOR	cg16892887	rs11656246	A	G	-0.307	0.026	0.241	4.50E-31	0.006	0.017	0.717	0.035	134.310	TRUE	1.36E-29
COPD in ever smokers	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	0.016	0.036	0.655	0.011	40.360	TRUE	6.53E-10
COPD in ever smokers	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	0.000	0.019	0.994	0.016	60.193	TRUE	2.40E-14
COPD in ever smokers	RPTOR	cg16892887	rs3751934	A	C	-0.177	0.024	0.401	1.90E-13	0.012	0.015	0.442	0.014	54.077	TRUE	1.21E-12
COPD in ever smokers	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	-0.042	0.046	0.359	0.011	42.303	TRUE	4.19E-10
COPD in ever smokers	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	-0.013	0.015	0.403	0.011	42.634	TRUE	3.27E-10
COPD in ever smokers	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	0.035	0.019	0.071	0.028	105.290	TRUE	1.56E-22
COPD in ever smokers	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	0.008	0.016	0.608	0.027	101.286	TRUE	1.23E-22
COPD in ever smokers	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	-0.037	0.018	0.038	0.008	31.398	TRUE	2.34E-07
COPD in ever smokers	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	-0.018	0.027	0.509	0.022	83.367	TRUE	8.16E-19
COPD in ever smokers	RPTOR	cg16980736	rs2138118	A	C	0.158	0.024	0.483	2.52E-11	0.024	0.015	0.107	0.012	44.495	TRUE	3.09E-10
COPD in ever smokers	RPTOR	cg16980736	rs2589131	A	G	-0.530	0.033	0.152	1.01E-57	-0.015	0.021	0.473	0.065	256.328	TRUE	4.23E-54
COPD in ever smokers	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	-0.007	0.015	0.645	0.008	31.087	TRUE	6.22E-08
COPD in ever smokers	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	0.018	0.035	0.604	0.024	92.237	TRUE	9.38E-21
COPD in ever smokers	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	-0.028	0.022	0.190	0.010	36.268	TRUE	1.14E-08
COPD in ever smokers	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	0.012	0.036	0.738	0.008	30.872	TRUE	6.15E-08
COPD in ever smokers	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	-0.009	0.018	0.624	0.011	39.759	TRUE	9.16E-10
COPD in ever smokers	RPTOR	cg17060157	rs4889874	G	A	0.149	0.027	0.239	5.00E-08	0.009	0.017	0.622	0.008	29.701	TRUE	1.27E-07
COPD in ever smokers	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	0.012	0.016	0.456	0.032	122.625	TRUE	7.11E-27
COPD in ever smokers	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	-0.001	0.019	0.949	0.011	42.439	TRUE	1.56E-10
COPD in ever smokers	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	0.000	0.019	0.994	0.016	59.059	TRUE	4.19E-14
COPD in ever smokers	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	0.042	0.028	0.138	0.010	36.306	TRUE	1.32E-08
COPD in ever smokers	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	0.002	0.018	0.895	0.056	220.988	TRUE	1.38E-47
COPD in ever smokers	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	-0.021	0.022	0.332	0.011	39.703	TRUE	1.55E-09
COPD in ever smokers	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	-0.042	0.046	0.359	0.014	53.870	TRUE	1.60E-12
COPD in ever smokers	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	0.002	0.016	0.899	0.008	29.793	TRUE	8.67E-08
COPD in ever smokers	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	0.040	0.019	0.034	0.279	1428.138	TRUE	5.03E-266
COPD in ever smokers	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	0.038	0.056	0.504	0.015	56.667	TRUE	3.08E-13
COPD in ever smokers	RPTOR	cg17481637	rs117878919	A	G	0.309	0.055	0.092	1.58E-08	-0.003	0.025	0.920	0.009	31.933	TRUE	2.92E-08
COPD in ever smokers	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	-0.033	0.018	0.071	0.010	36.376	TRUE	1.75E-08
COPD in ever smokers	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	0.014	0.016	0.377	0.018	68.429	TRUE	1.43E-15
COPD in ever smokers	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	-0.005	0.015	0.713	0.031	116.789	TRUE	5.82E-26
COPD in ever smokers	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	-0.003	0.019	0.893	0.010	35.644	TRUE	4.80E-09

COPD in ever smokers	RPTOR	cg17481637	rs56179246	G	A	-0.405	0.045	0.075	1.51E-19	0.046	0.030	0.123	0.022	81.757	TRUE	6.45E-18
COPD in ever smokers	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	0.026	0.019	0.181	0.014	53.488	TRUE	3.18E-12
COPD in ever smokers	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	-0.014	0.015	0.364	0.022	82.506	TRUE	1.78E-18
COPD in ever smokers	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	-0.030	0.061	0.622	0.011	40.621	TRUE	6.03E-10
COPD in ever smokers	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	0.000	0.019	0.994	0.026	99.279	TRUE	1.39E-22
COPD in ever smokers	RPTOR	cg17628491	rs13341621	A	G	-0.373	0.050	0.080	7.91E-14	0.042	0.029	0.139	0.015	55.799	TRUE	1.26E-12
COPD in ever smokers	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	-0.045	0.050	0.365	0.020	74.413	TRUE	8.44E-17
COPD in ever smokers	RPTOR	cg17628491	rs143673290	A	G	-0.502	0.089	0.039	1.76E-08	-0.042	0.040	0.305	0.009	31.726	TRUE	7.71E-08
COPD in ever smokers	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	-0.163	0.062	0.009	0.013	48.407	TRUE	1.50E-10
COPD in ever smokers	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	-0.022	0.018	0.222	0.466	3226.955	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	0.006	0.015	0.696	0.008	31.139	TRUE	5.69E-08
COPD in ever smokers	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	-0.013	0.022	0.538	0.013	49.367	TRUE	9.84E-12
COPD in ever smokers	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	-0.021	0.022	0.332	0.017	64.381	TRUE	1.11E-14
COPD in ever smokers	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	0.000	0.015	0.977	0.075	298.255	TRUE	2.43E-63
COPD in ever smokers	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	-0.044	0.024	0.073	0.009	35.133	TRUE	3.10E-08
COPD in ever smokers	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	-0.042	0.046	0.359	0.050	193.782	TRUE	2.93E-41
COPD in ever smokers	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	0.049	0.068	0.471	0.012	45.677	TRUE	6.63E-11
COPD in ever smokers	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	0.010	0.068	0.884	0.008	31.152	TRUE	4.49E-08
COPD in ever smokers	RPTOR	cg17628491	rs8070259	T	C	-0.159	0.028	0.238	8.19E-09	0.006	0.018	0.728	0.009	33.212	TRUE	1.96E-08
COPD in ever smokers	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	-0.001	0.019	0.949	0.008	30.261	TRUE	6.48E-08
COPD in ever smokers	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	0.007	0.017	0.669	0.015	55.708	TRUE	3.64E-13
COPD in ever smokers	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	0.002	0.017	0.895	0.032	122.840	TRUE	2.11E-27
COPD in ever smokers	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	-0.009	0.015	0.570	0.010	37.304	TRUE	3.29E-09
COPD in ever smokers	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	0.000	0.015	0.998	0.080	320.196	TRUE	8.95E-68
COPD in ever smokers	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	0.016	0.022	0.456	0.009	32.807	TRUE	3.51E-08
COPD in ever smokers	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	-0.026	0.042	0.535	0.009	32.642	TRUE	3.38E-08
COPD in ever smokers	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	0.032	0.024	0.185	0.010	38.913	TRUE	3.26E-09
COPD in ever smokers	RPTOR	cg17906851	rs1137045	G	A	0.136	0.023	0.472	4.58E-09	0.023	0.015	0.129	0.009	34.342	TRUE	3.48E-08
COPD in ever smokers	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	0.008	0.025	0.737	0.042	161.747	TRUE	2.88E-35
COPD in ever smokers	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	0.004	0.032	0.910	0.018	69.264	TRUE	3.34E-16
COPD in ever smokers	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	-0.025	0.060	0.682	0.011	41.759	TRUE	3.17E-10
COPD in ever smokers	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	0.053	0.040	0.192	0.034	129.932	TRUE	6.28E-28
COPD in ever smokers	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	0.018	0.019	0.363	0.013	46.915	TRUE	4.50E-11
COPD in ever smokers	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	0.000	0.017	0.992	0.112	468.317	TRUE	4.67E-97
COPD in ever smokers	RPTOR	cg17906851	rs71368095	A	G	-0.502	0.027	0.219	4.10E-75	0.011	0.018	0.550	0.083	336.110	TRUE	3.44E-70
COPD in ever smokers	RPTOR	cg17906851	rs7218426	T	C	0.387	0.056	0.051	2.95E-12	0.024	0.036	0.496	0.013	48.698	TRUE	1.47E-11
COPD in ever smokers	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	-0.013	0.015	0.383	0.008	31.275	TRUE	8.33E-08
COPD in ever smokers	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	-0.073	0.038	0.055	0.015	54.467	TRUE	3.98E-12
COPD in ever smokers	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	-0.042	0.046	0.359	0.011	41.541	TRUE	6.05E-10
COPD in ever smokers	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	0.035	0.025	0.156	0.035	133.841	TRUE	1.24E-28
COPD in ever smokers	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	0.006	0.015	0.711	0.532	4204.107	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	-0.004	0.018	0.815	0.070	277.053	TRUE	7.94E-59

COPD in ever smokers	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	0.074	0.051	0.141	0.008	31.598	TRUE	1.23E-07
COPD in ever smokers	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	-0.013	0.015	0.403	0.052	204.697	TRUE	1.49E-43
COPD in ever smokers	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	0.046	0.022	0.036	0.012	45.994	TRUE	2.58E-10
COPD in ever smokers	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	-0.028	0.017	0.098	0.018	68.397	TRUE	4.08E-15
COPD in ever smokers	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	0.009	0.015	0.547	0.036	136.287	TRUE	8.40E-30
COPD in ever smokers	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	-0.017	0.028	0.545	0.008	31.151	TRUE	6.90E-08
COPD in ever smokers	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	-0.004	0.015	0.814	0.020	77.265	TRUE	8.22E-18
COPD in ever smokers	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	0.026	0.022	0.230	0.011	42.769	TRUE	4.53E-10
COPD in ever smokers	RPTOR	cg17956530	rs56179246	G	A	-0.719	0.044	0.075	2.97E-59	0.046	0.030	0.123	0.066	263.354	TRUE	1.42E-54
COPD in ever smokers	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	-0.044	0.024	0.073	0.023	87.291	TRUE	6.91E-19
COPD in ever smokers	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	-0.014	0.022	0.518	0.009	35.276	TRUE	9.57E-09
COPD in ever smokers	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	0.026	0.019	0.181	0.024	89.850	TRUE	1.05E-19
COPD in ever smokers	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	-0.011	0.028	0.702	0.281	1445.230	TRUE	2.52E-273
COPD in ever smokers	RPTOR	cg18091083	rs112172082	G	A	-0.148	0.024	0.492	4.54E-10	-0.027	0.016	0.082	0.010	38.843	TRUE	5.13E-09
COPD in ever smokers	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	-0.009	0.015	0.574	0.012	44.645	TRUE	9.16E-11
COPD in ever smokers	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	0.000	0.017	0.983	0.023	88.440	TRUE	2.68E-20
COPD in ever smokers	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	0.028	0.015	0.063	0.017	65.564	TRUE	2.02E-14
COPD in ever smokers	RPTOR	cg18091083	rs55737346	C	T	-0.534	0.073	0.034	2.34E-13	0.023	0.038	0.541	0.014	53.663	TRUE	1.23E-12
COPD in ever smokers	RPTOR	cg18091083	rs73368831	C	A	-1.433	0.051	0.045	1.22E-173	0.023	0.033	0.491	0.176	788.744	TRUE	9.86E-157
COPD in ever smokers	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	-0.007	0.018	0.702	0.031	119.579	TRUE	1.58E-26
COPD in ever smokers	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	0.032	0.024	0.185	0.014	53.078	TRUE	3.81E-12
COPD in ever smokers	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	-0.015	0.021	0.476	0.018	69.142	TRUE	8.06E-16
COPD in ever smokers	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	0.008	0.025	0.737	0.026	98.870	TRUE	2.92E-22
COPD in ever smokers	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	0.004	0.032	0.910	0.013	50.255	TRUE	3.55E-12
COPD in ever smokers	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	-0.011	0.015	0.483	0.035	133.856	TRUE	3.20E-29
COPD in ever smokers	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	0.031	0.015	0.046	0.014	52.062	TRUE	1.35E-11
COPD in ever smokers	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	0.038	0.028	0.179	0.014	50.958	TRUE	1.07E-11
COPD in ever smokers	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	0.014	0.017	0.417	0.009	32.639	TRUE	4.05E-08
COPD in ever smokers	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	0.015	0.026	0.550	0.010	38.274	TRUE	2.11E-09
COPD in ever smokers	RPTOR	cg18425700	rs68130532	C	T	0.187	0.030	0.198	4.07E-10	-0.025	0.020	0.205	0.010	39.059	TRUE	2.87E-09
COPD in ever smokers	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	0.011	0.018	0.550	0.078	314.425	TRUE	7.11E-66
COPD in ever smokers	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	0.006	0.015	0.711	0.352	2010.044	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	0.035	0.025	0.154	0.008	30.398	TRUE	2.10E-07
COPD in ever smokers	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	-0.013	0.015	0.403	0.044	171.059	TRUE	1.02E-36
COPD in ever smokers	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	0.012	0.016	0.459	0.010	36.122	TRUE	6.95E-09
COPD in ever smokers	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	-0.001	0.015	0.940	0.010	38.530	TRUE	1.08E-09
COPD in ever smokers	RPTOR	cg18607849	rs534707986	G	A	-0.270	0.043	0.079	3.17E-10	-0.007	0.029	0.808	0.011	39.544	TRUE	7.85E-10
COPD in ever smokers	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	0.024	0.016	0.116	0.009	33.015	TRUE	6.88E-08
COPD in ever smokers	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	-0.005	0.018	0.774	0.023	85.240	TRUE	1.89E-19
COPD in ever smokers	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	-0.037	0.018	0.038	0.009	35.105	TRUE	4.11E-08
COPD in ever smokers	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	-0.008	0.015	0.600	0.077	308.823	TRUE	7.55E-65
COPD in ever smokers	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	0.031	0.025	0.219	0.015	57.192	TRUE	4.78E-13

COPD in ever smokers	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	0.018	0.038	0.637	0.015	54.566	TRUE	6.68E-13
COPD in ever smokers	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	-0.016	0.024	0.489	0.010	36.696	TRUE	5.01E-09
COPD in ever smokers	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	0.021	0.042	0.622	0.010	37.556	TRUE	2.69E-09
COPD in ever smokers	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	0.010	0.017	0.556	0.009	33.443	TRUE	2.21E-08
COPD in ever smokers	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	0.004	0.016	0.807	0.080	319.702	TRUE	2.27E-67
COPD in ever smokers	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	-0.009	0.015	0.557	0.010	36.422	TRUE	5.16E-09
COPD in ever smokers	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	-0.004	0.015	0.768	0.009	33.497	TRUE	1.62E-08
COPD in ever smokers	RPTOR	cg18780100	rs9915667	A	G	0.178	0.024	0.438	4.64E-14	-0.018	0.015	0.222	0.015	56.844	TRUE	5.58E-13
COPD in ever smokers	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	0.004	0.032	0.910	0.012	45.247	TRUE	4.14E-11
COPD in ever smokers	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	0.007	0.017	0.669	0.014	53.123	TRUE	1.28E-12
COPD in ever smokers	RPTOR	cg19060120	rs34781048	A	G	0.164	0.024	0.434	8.07E-12	-0.002	0.015	0.906	0.012	46.724	TRUE	2.01E-11
COPD in ever smokers	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	0.026	0.022	0.230	0.034	130.485	TRUE	4.00E-28
COPD in ever smokers	RPTOR	cg19060120	rs68130532	C	T	-0.204	0.030	0.198	9.62E-12	-0.025	0.020	0.205	0.012	46.380	TRUE	8.67E-11
COPD in ever smokers	RPTOR	cg19060120	rs72850576	A	C	-0.185	0.033	0.155	1.48E-08	-0.014	0.020	0.480	0.009	32.058	TRUE	4.87E-08
COPD in ever smokers	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	-0.022	0.049	0.652	0.011	41.353	TRUE	4.03E-10
COPD in ever smokers	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	-0.017	0.015	0.257	0.026	99.388	TRUE	8.33E-22
COPD in ever smokers	RPTOR	cg19292222	rs13341621	A	G	0.328	0.050	0.080	5.55E-11	0.042	0.029	0.139	0.011	42.949	TRUE	5.60E-10
COPD in ever smokers	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	-0.025	0.060	0.682	0.029	110.081	TRUE	1.54E-24
COPD in ever smokers	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	-0.007	0.020	0.721	0.125	527.692	TRUE	4.86E-108
COPD in ever smokers	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	-0.003	0.039	0.946	0.009	33.116	TRUE	1.57E-08
COPD in ever smokers	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	-0.007	0.015	0.628	0.049	190.676	TRUE	4.73E-41
COPD in ever smokers	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	-0.031	0.032	0.327	0.164	725.624	TRUE	1.81E-144
COPD in ever smokers	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	0.000	0.015	0.974	0.022	82.705	TRUE	4.37E-19
COPD in ever smokers	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	-0.001	0.019	0.949	0.012	46.047	TRUE	2.64E-11
COPD in ever smokers	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	0.007	0.017	0.669	0.035	133.965	TRUE	1.82E-29
COPD in ever smokers	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	-0.043	0.033	0.200	0.019	73.524	TRUE	2.18E-16
COPD in ever smokers	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	-0.001	0.023	0.980	0.060	237.963	TRUE	3.72E-51
COPD in ever smokers	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	-0.017	0.016	0.286	0.012	45.232	TRUE	1.20E-10
COPD in ever smokers	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	-0.009	0.017	0.593	0.053	205.905	TRUE	4.21E-44
COPD in ever smokers	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	0.009	0.024	0.717	0.051	197.506	TRUE	1.45E-42
COPD in ever smokers	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	0.002	0.015	0.882	0.441	2922.027	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	-0.011	0.019	0.566	0.050	194.802	TRUE	8.38E-42
COPD in ever smokers	RPTOR	cg19394169	rs9903399	C	T	0.231	0.041	0.222	1.56E-08	0.016	0.018	0.375	0.009	31.960	TRUE	6.05E-08
COPD in ever smokers	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	0.000	0.016	0.987	0.053	206.602	TRUE	9.00E-45
COPD in ever smokers	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	-0.009	0.015	0.564	0.008	30.878	TRUE	7.68E-08
COPD in ever smokers	RPTOR	cg19857461	rs4890053	G	A	-0.130	0.023	0.467	2.83E-08	-0.024	0.016	0.129	0.008	30.803	TRUE	1.88E-07
COPD in ever smokers	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	-0.025	0.026	0.345	0.031	117.133	TRUE	1.37E-25
COPD in ever smokers	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	-0.044	0.024	0.073	0.009	33.866	TRUE	5.64E-08
COPD in ever smokers	RPTOR	cg20462129	rs534707986	G	A	-0.292	0.043	0.079	8.95E-12	-0.007	0.029	0.808	0.012	46.522	TRUE	2.56E-11
COPD in ever smokers	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	0.018	0.035	0.604	0.010	38.061	TRUE	2.16E-09
COPD in ever smokers	RPTOR	cg20462129	rs9915667	A	G	-0.140	0.023	0.438	1.62E-09	-0.018	0.015	0.222	0.010	36.364	TRUE	9.95E-09
COPD in ever smokers	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	0.044	0.019	0.020	0.012	44.267	TRUE	7.30E-10

COPD in ever smokers	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	-0.001	0.015	0.940	0.015	56.992	TRUE	1.25E-13
COPD in ever smokers	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	0.017	0.035	0.634	0.038	144.150	TRUE	1.59E-31
COPD in ever smokers	RPTOR	cg20500836	rs908241	A	G	-0.264	0.047	0.129	1.77E-08	-0.041	0.023	0.073	0.009	31.717	TRUE	1.56E-07
COPD in ever smokers	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	0.026	0.015	0.086	0.488	3524.466	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	0.013	0.023	0.580	0.013	49.906	TRUE	7.05E-12
COPD in ever smokers	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	0.072	0.031	0.021	0.031	117.598	TRUE	1.19E-24
COPD in ever smokers	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	-0.033	0.019	0.082	0.012	45.166	TRUE	2.58E-10
COPD in ever smokers	RPTOR	cg20502501	rs2589131	A	G	-0.258	0.034	0.152	1.64E-14	-0.015	0.021	0.473	0.016	58.887	TRUE	1.12E-13
COPD in ever smokers	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	0.000	0.016	0.996	0.015	56.727	TRUE	1.31E-13
COPD in ever smokers	RPTOR	cg20502501	rs4890053	G	A	0.223	0.024	0.467	3.88E-21	-0.024	0.016	0.129	0.023	88.988	TRUE	2.06E-19
COPD in ever smokers	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	0.018	0.035	0.604	0.034	129.225	TRUE	2.04E-28
COPD in ever smokers	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	-0.017	0.026	0.514	0.036	138.193	TRUE	3.75E-30
COPD in ever smokers	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	0.016	0.015	0.277	0.012	44.178	TRUE	2.04E-10
COPD in ever smokers	RPTOR	cg20502501	rs73368831	C	A	0.627	0.053	0.045	7.12E-32	0.023	0.033	0.491	0.036	137.973	TRUE	4.46E-30
COPD in ever smokers	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	-0.023	0.029	0.425	0.042	162.462	TRUE	5.35E-35
COPD in ever smokers	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	0.000	0.015	0.992	0.052	203.321	TRUE	4.16E-44
COPD in ever smokers	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	0.032	0.067	0.630	0.008	31.647	TRUE	4.82E-08
COPD in ever smokers	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	-0.014	0.019	0.454	0.072	287.126	TRUE	3.06E-60
COPD in ever smokers	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	0.014	0.016	0.379	0.011	40.326	TRUE	1.04E-09
COPD in ever smokers	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	-0.012	0.015	0.439	0.010	35.825	TRUE	8.31E-09
COPD in ever smokers	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	-0.003	0.016	0.831	0.033	124.669	TRUE	1.02E-27
COPD in ever smokers	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	0.024	0.016	0.116	0.035	132.425	TRUE	3.19E-28
COPD in ever smokers	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	-0.002	0.017	0.922	0.019	72.347	TRUE	7.31E-17
COPD in ever smokers	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	-0.011	0.017	0.521	0.304	1614.509	TRUE	6.87E-301
COPD in ever smokers	RPTOR	cg21143224	rs112803228	A	G	-0.886	0.106	0.031	4.76E-17	-0.005	0.041	0.907	0.019	70.396	TRUE	1.94E-16
COPD in ever smokers	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	0.005	0.047	0.911	0.015	57.513	TRUE	1.02E-13
COPD in ever smokers	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	0.006	0.015	0.686	0.009	33.969	TRUE	1.43E-08
COPD in ever smokers	RPTOR	cg21143224	rs4072746	T	C	0.215	0.038	0.115	1.62E-08	0.040	0.024	0.093	0.009	31.890	TRUE	1.30E-07
COPD in ever smokers	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	-0.038	0.022	0.087	0.040	155.050	TRUE	1.10E-32
COPD in ever smokers	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	0.016	0.036	0.657	0.027	101.411	TRUE	1.03E-22
COPD in ever smokers	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	0.007	0.016	0.685	0.048	187.472	TRUE	1.79E-40
COPD in ever smokers	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	-0.044	0.024	0.073	0.010	38.129	TRUE	7.54E-09
COPD in ever smokers	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	-0.010	0.018	0.581	0.023	87.734	TRUE	8.55E-20
COPD in ever smokers	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	-0.025	0.019	0.186	0.015	56.424	TRUE	7.71E-13
COPD in ever smokers	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	-0.014	0.019	0.462	0.021	80.923	TRUE	2.94E-18
COPD in ever smokers	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	-0.002	0.017	0.922	0.011	40.656	TRUE	3.90E-10
COPD in ever smokers	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	0.000	0.017	0.983	0.016	60.923	TRUE	1.71E-14
COPD in ever smokers	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	0.027	0.015	0.081	0.019	73.530	TRUE	4.13E-16
COPD in ever smokers	RPTOR	cg21507958	rs73368831	C	A	-1.228	0.052	0.045	8.50E-124	0.023	0.033	0.491	0.131	559.674	TRUE	1.20E-113
COPD in ever smokers	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	0.007	0.055	0.891	0.031	117.654	TRUE	2.55E-26
COPD in ever smokers	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	0.074	0.051	0.141	0.033	127.980	TRUE	2.13E-27
COPD in ever smokers	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	-0.016	0.018	0.361	0.019	73.517	TRUE	1.31E-16

COPD in ever smokers	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	0.007	0.017	0.671	0.024	91.490	TRUE	1.16E-20
COPD in ever smokers	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	-0.015	0.015	0.329	0.020	75.074	TRUE	6.80E-17
COPD in ever smokers	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	-0.024	0.028	0.377	0.013	47.957	TRUE	2.64E-11
COPD in ever smokers	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	0.003	0.015	0.866	0.031	118.674	TRUE	1.66E-26
COPD in ever smokers	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	0.032	0.067	0.630	0.009	32.766	TRUE	2.78E-08
COPD in ever smokers	RPTOR	cg22386583	rs139980334	C	T	-0.297	0.047	0.065	3.04E-10	-0.017	0.038	0.659	0.011	39.627	TRUE	9.28E-10
COPD in ever smokers	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	-0.004	0.024	0.855	0.094	384.224	TRUE	2.79E-80
COPD in ever smokers	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	0.000	0.015	0.980	0.014	53.350	TRUE	7.00E-13
COPD in ever smokers	RPTOR	cg22386583	rs9890487	G	T	0.208	0.024	0.405	2.13E-18	-0.020	0.016	0.203	0.020	76.526	TRUE	5.19E-17
COPD in ever smokers	RPTOR	cg22636722	rs111396639	A	G	0.150	0.027	0.258	2.13E-08	0.017	0.018	0.349	0.008	31.359	TRUE	8.48E-08
COPD in ever smokers	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	0.008	0.025	0.737	0.009	34.867	TRUE	8.61E-09
COPD in ever smokers	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	0.006	0.017	0.717	0.054	209.690	TRUE	4.77E-45
COPD in ever smokers	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	0.020	0.022	0.366	0.009	34.689	TRUE	1.64E-08
COPD in ever smokers	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	0.000	0.019	0.994	0.056	217.933	TRUE	4.27E-47
COPD in ever smokers	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	0.042	0.029	0.139	0.024	91.304	TRUE	6.56E-20
COPD in ever smokers	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	-0.163	0.062	0.009	0.014	52.044	TRUE	2.80E-11
COPD in ever smokers	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	-0.022	0.018	0.222	0.405	2517.411	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	-0.013	0.022	0.538	0.014	53.530	TRUE	1.31E-12
COPD in ever smokers	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	-0.021	0.022	0.332	0.012	44.399	TRUE	1.61E-10
COPD in ever smokers	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	-0.044	0.024	0.073	0.010	36.424	TRUE	1.69E-08
COPD in ever smokers	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	-0.042	0.046	0.359	0.017	62.390	TRUE	2.69E-14
COPD in ever smokers	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	0.002	0.016	0.899	0.012	43.433	TRUE	1.03E-10
COPD in ever smokers	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	0.027	0.015	0.081	0.014	52.792	TRUE	7.14E-12
COPD in ever smokers	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	-0.021	0.016	0.195	0.011	43.014	TRUE	4.46E-10
COPD in ever smokers	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	0.019	0.015	0.190	0.046	179.265	TRUE	6.08E-38
COPD in ever smokers	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	-0.013	0.016	0.418	0.008	31.504	TRUE	7.02E-08
COPD in ever smokers	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	-0.015	0.019	0.442	0.032	121.569	TRUE	1.22E-26
COPD in ever smokers	RPTOR	cg22838354	rs4969429	A	G	-0.153	0.026	0.273	4.78E-09	-0.007	0.017	0.685	0.009	34.257	TRUE	1.24E-08
COPD in ever smokers	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	0.013	0.023	0.580	0.026	97.401	TRUE	8.39E-22
COPD in ever smokers	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	0.072	0.031	0.021	0.025	95.993	TRUE	2.64E-20
COPD in ever smokers	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	0.032	0.067	0.630	0.020	75.083	TRUE	3.36E-17
COPD in ever smokers	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	0.012	0.017	0.484	0.167	743.121	TRUE	3.00E-148
COPD in ever smokers	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	-0.011	0.015	0.455	0.056	219.195	TRUE	1.41E-46
COPD in ever smokers	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	-0.004	0.024	0.855	0.211	988.951	TRUE	2.74E-194
COPD in ever smokers	RPTOR	cg22878693	rs4996915	T	G	-0.277	0.048	0.082	5.90E-09	0.020	0.037	0.594	0.009	33.848	TRUE	1.72E-08
COPD in ever smokers	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	-0.044	0.024	0.073	0.022	82.919	TRUE	5.37E-18
COPD in ever smokers	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	-0.014	0.022	0.518	0.030	113.519	TRUE	4.50E-25
COPD in ever smokers	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	-0.010	0.018	0.581	0.039	150.824	TRUE	7.83E-33
COPD in ever smokers	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	0.010	0.015	0.501	0.048	187.509	TRUE	3.19E-40
COPD in ever smokers	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	-0.037	0.017	0.035	0.024	91.212	TRUE	1.78E-19
COPD in ever smokers	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	0.018	0.038	0.637	0.049	190.893	TRUE	4.16E-41
COPD in ever smokers	RPTOR	cg22984380	rs139980334	C	T	-0.514	0.047	0.065	6.91E-28	-0.017	0.038	0.659	0.031	119.761	TRUE	1.60E-26

COPD in ever smokers	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	-0.026	0.017	0.112	0.040	153.368	TRUE	1.89E-32
COPD in ever smokers	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	0.011	0.020	0.573	0.017	64.965	TRUE	4.92E-15
COPD in ever smokers	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	-0.001	0.015	0.940	0.088	355.387	TRUE	1.05E-74
COPD in ever smokers	RPTOR	cg22984380	rs4969429	A	G	0.277	0.026	0.273	6.39E-26	-0.007	0.017	0.685	0.029	110.788	TRUE	1.09E-24
COPD in ever smokers	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	-0.005	0.020	0.795	0.020	74.822	TRUE	2.77E-17
COPD in ever smokers	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	-0.023	0.029	0.425	0.078	313.751	TRUE	1.72E-65
COPD in ever smokers	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	0.015	0.018	0.388	0.367	2143.020	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg23019125	rs112803228	A	G	-0.677	0.106	0.031	1.77E-10	-0.005	0.041	0.907	0.011	40.686	TRUE	3.92E-10
COPD in ever smokers	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	0.022	0.060	0.719	0.016	59.253	TRUE	5.98E-14
COPD in ever smokers	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	-0.018	0.018	0.309	0.015	55.471	TRUE	8.39E-13
COPD in ever smokers	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	0.042	0.019	0.026	0.168	749.017	TRUE	1.78E-146
COPD in ever smokers	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	-0.010	0.019	0.590	0.019	69.915	TRUE	4.38E-16
COPD in ever smokers	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	-0.001	0.015	0.940	0.031	118.686	TRUE	1.39E-26
COPD in ever smokers	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	-0.005	0.020	0.795	0.009	32.241	TRUE	2.92E-08
COPD in ever smokers	RPTOR	cg23238734	rs8073414	G	A	-0.172	0.024	0.353	1.84E-12	0.019	0.015	0.212	0.013	49.618	TRUE	1.81E-11
COPD in ever smokers	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	-0.003	0.024	0.910	0.014	52.300	TRUE	1.30E-12
COPD in ever smokers	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	0.004	0.019	0.819	0.009	34.477	TRUE	9.39E-09
COPD in ever smokers	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	-0.008	0.015	0.612	0.009	33.008	TRUE	2.53E-08
COPD in ever smokers	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	-0.027	0.017	0.117	0.024	91.546	TRUE	6.70E-20
COPD in ever smokers	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	0.004	0.032	0.910	0.014	52.290	TRUE	1.31E-12
COPD in ever smokers	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	0.007	0.017	0.669	0.022	84.064	TRUE	4.12E-19
COPD in ever smokers	RPTOR	cg23736297	rs34781048	A	G	0.171	0.024	0.434	1.42E-12	-0.002	0.015	0.906	0.013	50.130	TRUE	3.79E-12
COPD in ever smokers	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	0.026	0.022	0.230	0.058	226.660	TRUE	1.32E-47
COPD in ever smokers	RPTOR	cg23736297	rs68130532	C	T	-0.181	0.030	0.198	1.66E-09	-0.025	0.020	0.205	0.010	36.317	TRUE	1.07E-08
COPD in ever smokers	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	-0.042	0.046	0.359	0.009	34.912	TRUE	1.49E-08
COPD in ever smokers	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	-0.016	0.018	0.363	0.010	37.620	TRUE	3.98E-09
COPD in ever smokers	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	-0.005	0.015	0.741	0.120	502.239	TRUE	3.69E-103
COPD in ever smokers	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	0.020	0.022	0.366	0.012	43.945	TRUE	1.87E-10
COPD in ever smokers	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	-0.163	0.062	0.009	0.015	57.490	TRUE	2.27E-12
COPD in ever smokers	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	0.021	0.042	0.622	0.008	30.958	TRUE	6.83E-08
COPD in ever smokers	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	0.004	0.016	0.811	0.052	201.448	TRUE	1.71E-43
COPD in ever smokers	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	-0.002	0.016	0.891	0.011	41.613	TRUE	2.54E-10
COPD in ever smokers	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	0.012	0.017	0.462	0.009	33.984	TRUE	1.96E-08
COPD in ever smokers	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	0.066	0.039	0.087	0.020	75.775	TRUE	1.37E-16
COPD in ever smokers	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	-0.014	0.022	0.518	0.016	60.400	TRUE	4.95E-14
COPD in ever smokers	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	-0.031	0.032	0.327	0.027	103.256	TRUE	1.04E-22
COPD in ever smokers	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	-0.004	0.018	0.815	0.075	297.971	TRUE	4.96E-63
COPD in ever smokers	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	0.006	0.022	0.788	0.009	32.160	TRUE	3.06E-08
COPD in ever smokers	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	0.032	0.024	0.185	0.010	38.374	TRUE	4.22E-09
COPD in ever smokers	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	-0.001	0.019	0.949	0.018	69.079	TRUE	3.41E-16
COPD in ever smokers	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	0.036	0.026	0.164	0.019	71.116	TRUE	7.94E-16
COPD in ever smokers	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	-0.017	0.015	0.256	0.016	60.754	TRUE	7.78E-14

COPD in ever smokers	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	0.030	0.048	0.528	0.008	30.330	TRUE	1.06E-07
COPD in ever smokers	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	-0.074	0.036	0.041	0.010	36.095	TRUE	2.52E-08
COPD in ever smokers	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	0.015	0.037	0.691	0.017	63.053	TRUE	9.94E-15
COPD in ever smokers	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	0.007	0.017	0.663	0.102	418.606	TRUE	1.07E-86
COPD in ever smokers	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	-0.018	0.017	0.308	0.020	74.544	TRUE	9.29E-17
COPD in ever smokers	RPTOR	cg24315876	rs3751934	A	C	0.387	0.024	0.401	2.99E-59	0.012	0.015	0.442	0.066	263.340	TRUE	1.89E-55
COPD in ever smokers	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	-0.043	0.033	0.200	0.020	77.121	TRUE	3.97E-17
COPD in ever smokers	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	-0.008	0.016	0.606	0.159	698.053	TRUE	3.59E-140
COPD in ever smokers	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	0.007	0.055	0.891	0.010	36.636	TRUE	2.95E-09
COPD in ever smokers	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	-0.017	0.016	0.286	0.018	68.106	TRUE	2.13E-15
COPD in ever smokers	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	-0.002	0.022	0.936	0.110	456.324	TRUE	1.32E-94
COPD in ever smokers	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	-0.012	0.019	0.545	0.010	38.670	TRUE	1.76E-09
COPD in ever smokers	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	-0.013	0.015	0.403	0.318	1722.199	TRUE	<1E-200
COPD in ever smokers	RPTOR	cg24315876	rs9903399	C	T	0.294	0.041	0.222	4.93E-13	0.016	0.018	0.375	0.014	52.203	TRUE	3.45E-12
COPD in ever smokers	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	-0.019	0.018	0.284	0.168	747.648	TRUE	2.15E-148
COPD in ever smokers	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	0.008	0.025	0.737	0.009	32.834	TRUE	2.34E-08
COPD in ever smokers	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	0.006	0.017	0.717	0.060	235.207	TRUE	3.14E-50
COPD in ever smokers	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	0.042	0.028	0.138	0.013	47.762	TRUE	5.71E-11
COPD in ever smokers	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	0.004	0.016	0.811	0.013	49.042	TRUE	7.45E-12
COPD in ever smokers	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	-0.005	0.020	0.795	0.008	31.305	TRUE	4.63E-08
COPD in ever smokers	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	-0.044	0.024	0.073	0.010	38.175	TRUE	7.38E-09
COPD in ever smokers	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	-0.042	0.046	0.359	0.011	40.413	TRUE	1.04E-09
COPD in ever smokers	RPTOR	cg24327522	rs7502321	C	T	0.142	0.024	0.386	3.62E-09	0.016	0.015	0.298	0.009	34.800	TRUE	1.77E-08
COPD in ever smokers	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	-0.004	0.018	0.815	0.037	143.167	TRUE	1.58E-31
COPD in ever smokers	RPTOR	cg24343322	rs71368095	A	G	-0.159	0.028	0.219	8.46E-09	0.011	0.018	0.550	0.009	33.148	TRUE	2.58E-08
COPD in ever smokers	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	0.006	0.015	0.697	0.024	90.663	TRUE	1.63E-20
COPD in ever smokers	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	0.005	0.015	0.732	0.014	53.838	TRUE	8.12E-13
COPD in ever smokers	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	0.005	0.015	0.737	0.069	273.325	TRUE	5.88E-58
COPD in ever smokers	RPTOR	cg25057221	rs370137211	T	C	-0.198	0.028	0.216	5.90E-13	0.016	0.019	0.414	0.014	51.852	TRUE	3.75E-12
COPD in ever smokers	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	-0.003	0.015	0.865	0.009	32.226	TRUE	2.70E-08
COPD in ever smokers	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	0.016	0.026	0.542	0.010	37.168	TRUE	3.67E-09
COPD in ever smokers	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	-0.002	0.015	0.888	0.014	53.012	TRUE	9.52E-13
COPD in ever smokers	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	0.012	0.015	0.431	0.037	143.654	TRUE	3.69E-31
COPD in ever smokers	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	-0.018	0.026	0.491	0.013	48.607	TRUE	1.55E-11
COPD in ever smokers	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	-0.031	0.028	0.263	0.012	45.656	TRUE	1.04E-10
COPD in ever smokers	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	0.012	0.015	0.431	0.024	92.786	TRUE	1.10E-20
COPD in ever smokers	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	-0.010	0.015	0.520	0.010	36.864	TRUE	4.40E-09
COPD in ever smokers	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	0.007	0.017	0.663	0.012	46.209	TRUE	3.72E-11
COPD in ever smokers	RPTOR	cg25739309	rs3751937	A	C	-0.188	0.031	0.203	1.19E-09	-0.017	0.019	0.376	0.010	36.963	TRUE	5.34E-09
COPD in ever smokers	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	0.003	0.016	0.844	0.054	210.465	TRUE	2.24E-45
COPD in ever smokers	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	-0.015	0.021	0.476	0.008	31.439	TRUE	6.62E-08
COPD in ever smokers	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	-0.001	0.019	0.949	0.025	94.316	TRUE	1.68E-21

COPD in ever smokers	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	0.006	0.018	0.740	0.013	50.567	TRUE	3.94E-12
COPD in ever smokers	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	0.025	0.022	0.243	0.008	31.173	TRUE	1.15E-07
COPD in ever smokers	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	-0.163	0.062	0.009	0.013	46.839	TRUE	3.09E-10
COPD in ever smokers	RPTOR	cg25902229	rs181994473	A	G	-0.245	0.044	0.090	2.76E-08	-0.035	0.027	0.199	0.008	30.855	TRUE	1.49E-07
COPD in ever smokers	RPTOR	cg25902229	rs2289765	G	A	1.029	0.033	0.137	1.51E-212	-0.009	0.024	0.703	0.207	967.618	TRUE	5.12E-190
COPD in ever smokers	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	-0.033	0.019	0.084	0.009	34.655	TRUE	3.66E-08
COPD in ever smokers	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	0.012	0.015	0.431	0.014	53.714	TRUE	1.48E-12
COPD in ever smokers	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	-0.004	0.015	0.780	0.291	1521.519	TRUE	2.08E-286
COPD in ever smokers	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	0.005	0.015	0.760	0.041	156.454	TRUE	3.31E-34
COPD in ever smokers	RPTOR	cg25902229	rs56116211	A	G	0.376	0.023	0.476	1.04E-60	0.008	0.015	0.585	0.068	270.020	TRUE	4.77E-57
COPD in ever smokers	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	-0.017	0.016	0.286	0.010	37.626	TRUE	4.65E-09
COPD in ever smokers	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	-0.015	0.015	0.306	0.038	144.298	TRUE	4.32E-31
COPD in ever smokers	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	0.007	0.021	0.749	0.059	230.051	TRUE	3.13E-49
COPD in ever smokers	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	-0.005	0.020	0.795	0.011	41.634	TRUE	2.86E-10
COPD in ever smokers	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	-0.031	0.032	0.327	0.011	39.926	TRUE	1.41E-09
COPD in ever smokers	RPTOR	cg25902229	rs7502321	C	T	0.205	0.024	0.386	1.29E-17	0.016	0.015	0.298	0.019	72.965	TRUE	2.04E-16
COPD in ever smokers	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	0.049	0.068	0.471	0.008	30.994	TRUE	8.30E-08
COPD in ever smokers	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	0.006	0.022	0.788	0.010	36.328	TRUE	3.92E-09
COPD in ever smokers	RPTOR	cg25902229	rs9897600	T	C	0.237	0.043	0.082	4.39E-08	-0.003	0.026	0.902	0.008	29.953	TRUE	7.97E-08
COPD in ever smokers	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	0.029	0.024	0.222	0.008	30.109	TRUE	2.01E-07
COPD in ever smokers	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	-0.011	0.015	0.455	0.017	65.878	TRUE	4.05E-15
COPD in ever smokers	RPTOR	cg25985643	rs12951739	T	G	-0.639	0.023	0.455	2.38E-175	-0.004	0.015	0.770	0.177	796.605	TRUE	5.88E-159
COPD in ever smokers	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	0.001	0.025	0.953	0.012	46.210	TRUE	2.42E-11
COPD in ever smokers	RPTOR	cg25985643	rs4072746	T	C	0.231	0.038	0.115	1.63E-09	0.040	0.024	0.093	0.010	36.356	TRUE	1.57E-08
COPD in ever smokers	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	-0.043	0.026	0.098	0.011	41.998	TRUE	1.06E-09
COPD in ever smokers	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	-0.019	0.027	0.483	0.050	193.597	TRUE	1.97E-41
COPD in ever smokers	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	0.021	0.042	0.622	0.008	30.300	TRUE	9.44E-08
COPD in ever smokers	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	-0.019	0.023	0.419	0.028	105.859	TRUE	2.27E-23
COPD in ever smokers	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	0.028	0.019	0.144	0.040	152.875	TRUE	1.84E-32
COPD in ever smokers	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	0.041	0.019	0.028	0.020	76.735	TRUE	1.73E-16
COPD in ever smokers	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	-0.010	0.019	0.590	0.017	63.801	TRUE	8.36E-15
COPD in ever smokers	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	0.000	0.015	0.996	0.018	67.895	TRUE	5.60E-16
COPD in ever smokers	RPTOR	cg26469982	rs370137211	T	C	0.218	0.028	0.216	4.03E-15	0.016	0.019	0.414	0.016	61.654	TRUE	3.37E-14
COPD in ever smokers	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	-0.003	0.015	0.865	0.013	48.814	TRUE	7.67E-12
COPD in ever smokers	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	0.003	0.017	0.863	0.016	60.284	TRUE	2.85E-14
COPD in ever smokers	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	0.012	0.015	0.423	0.076	303.809	TRUE	1.66E-63
COPD in ever smokers	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	-0.013	0.015	0.403	0.008	30.163	TRUE	1.38E-07
COPD in ever smokers	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	-0.007	0.016	0.671	0.014	52.652	TRUE	1.60E-12
COPD in ever smokers	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	-0.009	0.015	0.564	0.052	204.673	TRUE	8.27E-44
COPD in ever smokers	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	0.000	0.015	0.996	0.009	34.318	TRUE	8.14E-09
COPD in ever smokers	RPTOR	cg26714263	rs7222906	C	T	0.195	0.029	0.202	2.33E-11	-0.023	0.018	0.207	0.012	44.645	TRUE	1.97E-10
COPD in ever smokers	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	0.049	0.068	0.471	0.024	90.737	TRUE	2.64E-20

COPD in ever smokers	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	-0.011	0.015	0.470	0.009	33.624	TRUE	2.30E-08
COPD in ever smokers	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	0.005	0.015	0.731	0.021	81.216	TRUE	1.43E-18
COPD in ever smokers	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	0.007	0.017	0.669	0.033	127.987	TRUE	3.12E-28
COPD in ever smokers	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	-0.022	0.018	0.225	0.008	31.433	TRUE	1.05E-07
COPD in ever smokers	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	0.049	0.068	0.471	0.019	70.262	TRUE	4.76E-16
COPD in ever smokers	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	-0.002	0.057	0.968	0.009	32.160	TRUE	2.46E-08
COPD in ever smokers	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	0.005	0.045	0.918	0.012	45.188	TRUE	4.21E-11
COPD in ever smokers	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	-0.030	0.025	0.230	0.017	63.367	TRUE	2.44E-14
COPD in ever smokers	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	0.033	0.037	0.372	0.018	66.359	TRUE	3.90E-15
COPD in ever smokers	RPTOR	cg27210166	rs11869826	A	G	-0.751	0.024	0.310	1.26E-218	-0.007	0.016	0.657	0.212	995.567	TRUE	6.53E-195
COPD in ever smokers	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	0.008	0.016	0.605	0.015	57.073	TRUE	2.10E-13
COPD in ever smokers	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	-0.011	0.017	0.534	0.031	116.727	TRUE	9.38E-26
COPD in ever smokers	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	0.001	0.016	0.947	0.020	76.700	TRUE	8.45E-18
COPD in ever smokers	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	-0.015	0.019	0.442	0.026	98.989	TRUE	5.58E-22
COPD in ever smokers	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	-0.001	0.015	0.940	0.036	138.043	TRUE	1.32E-30
COPD in ever smokers	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	-0.007	0.017	0.671	0.010	39.221	TRUE	1.11E-09
COPD in ever smokers	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	0.025	0.020	0.208	0.015	57.639	TRUE	4.01E-13
COPD in ever smokers	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	0.021	0.042	0.622	0.025	94.634	TRUE	2.86E-21
COPD in ever smokers	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	-0.017	0.024	0.476	0.020	76.036	TRUE	2.95E-17
COPD in ever smokers	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	-0.025	0.019	0.186	0.018	68.457	TRUE	2.55E-15
COPD in ever smokers	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	0.008	0.025	0.737	0.010	36.418	TRUE	4.02E-09
COPD in ever smokers	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	-0.011	0.015	0.470	0.018	66.697	TRUE	2.64E-15
COPD in ever smokers	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	0.007	0.017	0.679	0.069	273.771	TRUE	5.89E-58
COPD in ever smokers	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	-0.025	0.018	0.174	0.017	63.813	TRUE	2.42E-14
COPD in ever smokers	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	-0.015	0.015	0.306	0.009	31.999	TRUE	6.74E-08
COPD in ever smokers	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	-0.013	0.015	0.403	0.018	68.371	TRUE	1.38E-15
COPD in ever smokers	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	0.002	0.016	0.899	0.016	59.177	TRUE	4.61E-14
COPD in ever smokers	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	0.011	0.020	0.573	0.012	44.319	TRUE	1.07E-10
COPD in ever smokers	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	0.006	0.019	0.761	0.079	316.635	TRUE	1.11E-66
COPD in ever smokers	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	0.012	0.015	0.431	0.014	50.632	TRUE	6.53E-12
COPD in ever smokers	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	-0.037	0.017	0.035	0.009	32.075	TRUE	1.75E-07
COPD in ever smokers	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	-0.029	0.029	0.328	0.015	56.774	TRUE	4.29E-13
COPD in ever smokers	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	-0.007	0.022	0.769	0.014	51.278	TRUE	2.67E-12
COPD in ever smokers	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	-0.017	0.015	0.254	0.016	61.662	TRUE	5.08E-14
COPD in ever smokers	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	-0.002	0.057	0.968	0.009	31.868	TRUE	2.85E-08
COPD in ever smokers	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	-0.004	0.015	0.814	0.013	49.483	TRUE	5.97E-12
COPD in ever smokers	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	0.014	0.016	0.354	0.040	155.075	TRUE	2.24E-33
COPD in ever smokers	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	0.021	0.042	0.622	0.021	80.143	TRUE	2.99E-18
COPD in ever smokers	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	-0.014	0.019	0.454	0.026	99.951	TRUE	3.41E-22
COPD in ever smokers	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	-0.014	0.022	0.518	0.023	85.585	TRUE	2.76E-19
COPD in ever smokers	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	0.059	0.038	0.114	0.031	119.900	TRUE	1.14E-25
COPD in ever smokers	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	0.008	0.018	0.640	0.176	790.633	TRUE	1.65E-157

COPD in ever smokers	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	0.005	0.015	0.732	0.019	71.795	TRUE	1.35E-16
COPD in ever smokers	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	-0.015	0.015	0.323	0.026	98.372	TRUE	1.07E-21
COPD in ever smokers	SFRP2	cg00705808	rs10032475	T	C	-0.258	0.027	0.244	1.07E-21	0.007	0.017	0.699	0.024	91.534	TRUE	1.07E-20
COPD in ever smokers	SFRP2	cg01821854	rs1456399	T	C	-0.166	0.028	0.231	2.71E-09	-0.001	0.018	0.953	0.009	35.361	TRUE	5.12E-09
COPD in ever smokers	SFRP2	cg01821854	rs55895613	T	G	0.192	0.028	0.217	9.26E-12	0.007	0.018	0.694	0.012	46.455	TRUE	3.14E-11
COPD in ever smokers	SFRP2	cg03202804	rs1902467	C	A	-0.235	0.023	0.473	1.25E-23	0.032	0.015	0.029	0.026	100.344	TRUE	2.87E-21
COPD in ever smokers	SFRP2	cg04959480	rs1545604	T	C	0.208	0.027	0.241	1.70E-14	0.031	0.017	0.073	0.016	58.816	TRUE	4.42E-13
COPD in ever smokers	SFRP2	cg04965141	rs17030434	C	T	0.168	0.030	0.187	2.19E-08	0.015	0.019	0.432	0.008	31.299	TRUE	7.59E-08
COPD in ever smokers	SFRP2	cg05050042	rs1598633	C	A	-0.162	0.023	0.490	4.40E-12	0.027	0.015	0.071	0.013	47.914	TRUE	7.62E-11
COPD in ever smokers	SFRP2	cg05241277	rs4696507	G	A	0.230	0.027	0.247	1.08E-17	0.041	0.017	0.015	0.019	73.313	TRUE	1.15E-15
COPD in ever smokers	SFRP2	cg05774801	rs13102996	A	C	-0.165	0.023	0.471	1.39E-12	0.029	0.015	0.054	0.013	50.174	TRUE	3.00E-11
COPD in ever smokers	SFRP2	cg05961809	rs11726052	C	T	-0.255	0.023	0.473	2.56E-28	0.032	0.015	0.029	0.032	121.733	TRUE	1.39E-25
COPD in ever smokers	SFRP2	cg07999845	rs62325113	G	A	0.170	0.027	0.234	2.25E-10	0.032	0.017	0.060	0.011	40.214	TRUE	3.09E-09
COPD in ever smokers	SFRP2	cg09788843	rs10032475	T	C	-0.191	0.027	0.244	1.64E-12	0.007	0.017	0.699	0.013	49.848	TRUE	5.97E-12
COPD in ever smokers	SFRP2	cg10663078	rs10032475	T	C	-0.157	0.027	0.244	6.70E-09	0.007	0.017	0.699	0.009	33.600	TRUE	1.69E-08
COPD in ever smokers	SFRP2	cg13357229	rs1898830	G	A	-0.191	0.025	0.349	1.10E-14	0.004	0.016	0.777	0.016	59.684	TRUE	4.40E-14
COPD in ever smokers	SFRP2	cg13357229	rs6820559	T	G	-0.291	0.042	0.078	5.43E-12	-0.052	0.028	0.057	0.013	47.500	TRUE	1.03E-10
COPD in ever smokers	SFRP2	cg13732865	rs62325113	G	A	0.228	0.027	0.234	5.74E-17	0.032	0.017	0.060	0.019	70.027	TRUE	2.56E-15
COPD in ever smokers	SFRP2	cg13732865	rs80061275	T	G	-0.160	0.028	0.232	8.04E-09	0.005	0.017	0.782	0.009	33.248	TRUE	1.80E-08
COPD in ever smokers	SFRP2	cg14289246	rs10010787	A	G	-0.873	0.029	0.185	1.47E-205	0.017	0.019	0.380	0.202	935.492	TRUE	3.62E-183
COPD in ever smokers	SFRP2	cg14289246	rs116150718	T	C	0.516	0.069	0.027	6.65E-14	-0.001	0.044	0.983	0.015	56.138	TRUE	1.78E-13
COPD in ever smokers	SFRP2	cg14289246	rs12504298	T	C	-0.452	0.044	0.077	2.39E-24	-0.024	0.029	0.410	0.027	103.614	TRUE	6.76E-23
COPD in ever smokers	SFRP2	cg14289246	rs146245837	T	C	-0.559	0.092	0.015	1.00E-09	-0.033	0.059	0.578	0.010	37.305	TRUE	3.25E-09
COPD in ever smokers	SFRP2	cg14289246	rs1595625	A	G	0.270	0.023	0.465	4.21E-31	-0.012	0.015	0.423	0.035	134.442	TRUE	2.93E-29
COPD in ever smokers	SFRP2	cg14289246	rs9654223	T	C	0.137	0.023	0.482	4.38E-09	-0.015	0.015	0.323	0.009	34.428	TRUE	2.02E-08
COPD in ever smokers	SFRP2	cg14435644	rs10032475	T	C	-0.176	0.027	0.244	8.18E-11	0.007	0.017	0.699	0.011	42.191	TRUE	2.50E-10
COPD in ever smokers	SFRP2	cg20727217	rs1020704	T	C	0.224	0.027	0.237	1.78E-16	0.046	0.017	0.007	0.018	67.798	TRUE	2.09E-14
COPD in ever smokers	SFRP2	cg21657059	rs3747522	A	G	-0.173	0.027	0.240	2.02E-10	0.015	0.017	0.401	0.011	40.429	TRUE	9.54E-10
COPD in ever smokers	SFRP2	cg22178613	rs10010771	T	C	0.179	0.024	0.454	2.86E-14	-0.053	0.015	4.38E-04	0.015	57.798	TRUE	5.62E-12
COPD in ever smokers	SFRP2	cg22178613	rs1898831	G	A	-0.333	0.036	0.117	9.24E-21	0.002	0.022	0.940	0.023	87.271	TRUE	5.13E-20
COPD in ever smokers	SFRP2	cg22178613	rs3804099	C	T	-0.177	0.024	0.438	5.86E-14	-0.021	0.015	0.167	0.015	56.387	TRUE	8.44E-13
COPD in ever smokers	SFRP2	cg22178613	rs62332094	A	C	0.229	0.040	0.088	1.11E-08	-0.071	0.026	0.006	0.009	32.612	TRUE	2.41E-07
COPD in ever smokers	SFRP2	cg22178613	rs732681	A	C	-0.455	0.023	0.429	8.79E-84	0.037	0.015	0.012	0.092	375.897	TRUE	1.71E-75
COPD in ever smokers	SFRP2	cg23121156	rs4643790	A	G	0.197	0.030	0.202	4.15E-11	-0.045	0.019	0.017	0.012	43.518	TRUE	1.11E-09
COPD in ever smokers	SFRP2	cg23121156	rs58256618	A	G	-0.311	0.027	0.241	6.81E-31	0.037	0.017	0.029	0.035	133.492	TRUE	6.00E-28
COPD in ever smokers	SFRP2	cg23207990	rs4643790	A	G	0.187	0.030	0.202	3.41E-10	-0.045	0.019	0.017	0.011	39.404	TRUE	7.50E-09
COPD in ever smokers	SFRP2	cg23207990	rs58256618	A	G	-0.360	0.027	0.241	7.69E-41	0.037	0.017	0.029	0.046	178.983	TRUE	4.50E-37
COPD in ever smokers	SFRP2	cg23292160	rs2251997	T	C	0.164	0.027	0.243	9.32E-10	0.019	0.017	0.270	0.010	37.441	TRUE	5.28E-09
COPD in ever smokers	SFRP2	cg23502475	rs1545604	T	C	0.248	0.027	0.241	4.42E-20	0.031	0.017	0.073	0.022	84.176	TRUE	2.98E-18
COPD in ever smokers	SFRP2	cg23502475	rs1898830	G	A	-0.154	0.025	0.349	4.33E-10	0.004	0.016	0.777	0.010	38.938	TRUE	1.10E-09
COPD in ever smokers	SFRP2	cg23714408	rs3747522	A	G	-0.159	0.027	0.240	5.34E-09	0.015	0.017	0.401	0.009	34.044	TRUE	2.10E-08
COPD in ever smokers	SFRP2	cg24241928	rs62325113	G	A	0.312	0.027	0.234	1.89E-30	0.032	0.017	0.060	0.034	131.470	TRUE	8.82E-28

COPD in ever smokers	SFRP2	cg24968721	rs28367474	G	A	-0.169	0.028	0.232	1.29E-09	0.007	0.017	0.688	0.010	36.816	TRUE	3.53E-09
COPD in ever smokers	SFRP2	cg25775322	rs994598	C	T	-0.205	0.024	0.452	3.47E-18	0.036	0.015	0.017	0.020	75.559	TRUE	3.82E-16
COPD in ever smokers	SH3RF1	cg05907036	rs10013658	C	A	0.398	0.023	0.496	6.20E-65	-0.020	0.015	0.189	0.073	289.402	TRUE	5.05E-60
COPD in ever smokers	SH3RF1	cg05907036	rs35169897	T	C	-0.266	0.026	0.268	5.70E-24	0.044	0.016	0.007	0.027	101.894	TRUE	3.08E-21
COPD in ever smokers	SH3RF1	cg05907036	rs4295223	A	G	-0.212	0.038	0.103	2.02E-08	0.018	0.024	0.457	0.008	31.457	TRUE	6.76E-08
COPD in ever smokers	SH3RF1	cg05907036	rs72710307	C	T	-0.291	0.038	0.095	3.98E-14	0.049	0.025	0.050	0.015	57.148	TRUE	1.19E-12
COPD in ever smokers	SH3RF1	cg07082484	rs11732885	C	T	0.148	0.024	0.407	8.28E-10	0.003	0.015	0.862	0.010	37.672	TRUE	1.84E-09
COPD in ever smokers	SH3RF1	cg07082484	rs12508973	C	A	-0.269	0.024	0.456	4.27E-29	0.036	0.015	0.016	0.033	125.280	TRUE	4.09E-26
COPD in ever smokers	SH3RF1	cg07082484	rs140619010	G	A	-0.534	0.056	0.039	1.15E-21	0.077	0.037	0.035	0.024	91.383	TRUE	1.66E-19
COPD in ever smokers	SH3RF1	cg07082484	rs62333101	C	T	0.305	0.039	0.097	9.38E-15	-0.004	0.024	0.852	0.016	59.991	TRUE	3.35E-14
COPD in ever smokers	SH3RF1	cg07082484	rs6836768	C	T	-0.426	0.068	0.030	3.02E-10	0.043	0.041	0.297	0.011	39.639	TRUE	1.72E-09
COPD in ever smokers	SH3RF1	cg07082484	rs72706443	C	T	-0.709	0.078	0.024	1.50E-19	-0.009	0.043	0.835	0.022	81.765	TRUE	8.97E-19
COPD in ever smokers	SH3RF1	cg07082484	rs7688854	A	G	-0.483	0.036	0.117	3.05E-40	0.016	0.022	0.463	0.045	176.247	TRUE	7.19E-38
COPD in ever smokers	SH3RF1	cg07082484	rs9997176	C	T	-0.562	0.055	0.045	1.95E-24	0.012	0.036	0.732	0.027	104.015	TRUE	2.50E-23
COPD in ever smokers	SH3RF1	cg09178384	rs1112821	C	A	0.512	0.023	0.494	4.33E-108	-0.020	0.015	0.185	0.116	487.519	TRUE	8.95E-99
COPD in ever smokers	SH3RF1	cg09178384	rs17710102	C	T	-0.194	0.035	0.126	3.18E-08	0.032	0.022	0.140	0.008	30.576	TRUE	2.02E-07
COPD in ever smokers	SH3RF1	cg09178384	rs200262160	T	C	-0.261	0.031	0.166	5.14E-17	0.014	0.021	0.496	0.019	70.245	TRUE	4.54E-16
COPD in ever smokers	SH3RF1	cg09178384	rs34879961	G	A	-0.234	0.034	0.139	5.59E-12	0.078	0.021	1.96E-04	0.013	47.443	TRUE	7.52E-10
COPD in ever smokers	SH3RF1	cg12257055	rs10050030	G	A	-0.385	0.025	0.307	6.62E-54	0.045	0.016	0.005	0.061	238.833	TRUE	2.49E-48
COPD in ever smokers	SH3RF1	cg12257055	rs57697968	T	C	-0.235	0.035	0.128	2.40E-11	0.004	0.022	0.869	0.012	44.593	TRUE	6.04E-11
COPD in ever smokers	SH3RF1	cg13251507	rs1112821	C	A	0.423	0.023	0.494	1.19E-72	-0.020	0.015	0.185	0.081	324.813	TRUE	5.03E-67
COPD in ever smokers	SH3RF1	cg13251507	rs4295223	A	G	-0.243	0.038	0.103	1.48E-10	0.018	0.024	0.457	0.011	41.034	TRUE	6.43E-10
COPD in ever smokers	SH3RF1	cg13251507	rs62333101	C	T	-0.232	0.040	0.097	4.09E-09	-0.004	0.024	0.852	0.009	34.561	TRUE	8.64E-09
COPD in ever smokers	SH3RF1	cg13383775	rs2706736	T	C	-0.149	0.025	0.348	1.84E-09	0.026	0.016	0.105	0.010	36.120	TRUE	1.65E-08
COPD in ever smokers	SH3RF1	cg13383775	rs35612447	C	T	0.223	0.027	0.261	6.20E-17	0.037	0.017	0.028	0.019	69.874	TRUE	4.23E-15
COPD in ever smokers	SH3RF1	cg13383775	rs4295223	A	G	-0.258	0.038	0.103	9.51E-12	0.018	0.024	0.457	0.012	46.401	TRUE	4.78E-11
COPD in ever smokers	SH3RF1	cg14017034	rs4692707	C	T	-0.143	0.023	0.497	9.88E-10	-0.019	0.015	0.190	0.010	37.328	TRUE	6.86E-09
COPD in ever smokers	SH3RF1	cg15134174	rs4692709	C	T	-0.175	0.024	0.448	9.01E-14	0.025	0.015	0.089	0.015	55.542	TRUE	1.85E-12
COPD in ever smokers	SH3RF1	cg18949666	rs13141011	A	G	-0.357	0.033	0.149	5.85E-27	-0.008	0.021	0.693	0.030	115.527	TRUE	1.11E-25
COPD in ever smokers	SH3RF1	cg18949666	rs17710102	C	T	-0.414	0.035	0.126	1.35E-32	0.032	0.022	0.140	0.037	141.267	TRUE	4.28E-30
COPD in ever smokers	SH3RF1	cg18949666	rs1876398	A	G	-0.238	0.025	0.321	3.47E-21	0.026	0.016	0.109	0.024	89.207	TRUE	2.12E-19
COPD in ever smokers	SH3RF1	cg18949666	rs200262160	T	C	-0.420	0.031	0.166	8.80E-42	0.014	0.021	0.496	0.047	183.293	TRUE	2.35E-39
COPD in ever smokers	SH3RF1	cg18949666	rs6818479	T	C	-0.239	0.042	0.113	1.03E-08	0.002	0.026	0.927	0.009	32.773	TRUE	1.91E-08
COPD in ever smokers	SH3RF1	cg18949666	rs72700322	G	A	0.152	0.026	0.279	5.97E-09	-0.009	0.016	0.585	0.009	33.826	TRUE	1.76E-08
COPD in ever smokers	SH3RF1	cg18949666	rs76568960	A	G	0.381	0.051	0.134	5.48E-14	0.003	0.022	0.898	0.015	56.519	TRUE	1.69E-13
COPD in ever smokers	SH3RF1	cg18949666	rs79122457	C	T	-0.369	0.052	0.055	9.60E-13	-0.028	0.033	0.400	0.014	50.898	TRUE	6.11E-12
COPD in ever smokers	SIVA1	cg10285897	rs4983547	A	G	-0.271	0.036	0.110	3.98E-14	0.026	0.023	0.259	0.015	57.148	TRUE	4.31E-13
COPD in ever smokers	SIVA1	cg10909152	rs1128866	A	G	0.227	0.028	0.217	7.64E-16	-0.009	0.018	0.634	0.017	64.926	TRUE	4.47E-15
COPD in ever smokers	SIVA1	cg10909152	rs66464514	G	A	-0.319	0.025	0.323	2.95E-38	0.050	0.016	0.002	0.043	167.161	TRUE	7.92E-34
COPD in ever smokers	SIVA1	cg10909152	rs73362598	C	T	-1.585	0.168	0.012	4.93E-21	-0.004	0.085	0.959	0.023	88.514	TRUE	2.71E-20
COPD in ever smokers	SIVA1	cg19495714	rs4983549	A	G	-0.343	0.025	0.323	3.39E-44	0.049	0.016	0.002	0.050	194.349	TRUE	2.85E-39
COPD in ever smokers	SIVA1	cg19495714	rs56054225	A	G	0.170	0.028	0.217	1.44E-09	-0.012	0.018	0.496	0.010	36.592	TRUE	5.22E-09

COPD in ever smokers	SLC26A1	cg09153458	rs10016151	G	A	0.242	0.024	0.412	3.48E-24	-0.004	0.015	0.781	0.027	102.868	TRUE	3.89E-23
COPD in ever smokers	SLC26A1	cg09153458	rs111979588	C	T	0.209	0.027	0.266	3.22E-15	0.016	0.018	0.377	0.017	62.095	TRUE	2.97E-14
COPD in ever smokers	SLC26A1	cg09153458	rs115657987	A	G	-0.495	0.088	0.018	1.60E-08	-0.073	0.054	0.178	0.009	31.907	TRUE	9.50E-08
COPD in ever smokers	SLC26A1	cg09153458	rs13143527	A	G	0.280	0.024	0.392	2.76E-31	-0.003	0.015	0.869	0.035	135.281	TRUE	5.88E-30
COPD in ever smokers	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	-0.108	0.044	0.014	0.017	63.284	TRUE	1.27E-13
COPD in ever smokers	SLC26A1	cg09153458	rs17802266	A	C	-0.223	0.027	0.245	1.46E-16	-0.021	0.017	0.207	0.018	68.183	TRUE	2.68E-15
COPD in ever smokers	SLC26A1	cg09153458	rs3733344	G	T	0.378	0.023	0.458	4.41E-61	0.026	0.015	0.078	0.068	271.733	TRUE	5.50E-56
COPD in ever smokers	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	-0.023	0.016	0.147	0.019	72.821	TRUE	3.84E-16
COPD in ever smokers	SLC26A1	cg09153458	rs57186616	A	G	0.223	0.032	0.155	5.63E-12	-0.016	0.020	0.430	0.013	47.428	TRUE	3.07E-11
COPD in ever smokers	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	0.005	0.039	0.894	0.010	36.306	TRUE	3.45E-09
COPD in ever smokers	SLC26A1	cg09153458	rs6599391	G	T	-0.441	0.033	0.153	6.89E-42	0.017	0.021	0.425	0.047	183.781	TRUE	2.42E-39
COPD in ever smokers	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	0.034	0.018	0.061	0.013	48.143	TRUE	7.35E-11
COPD in ever smokers	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	-0.026	0.016	0.089	0.008	30.232	TRUE	2.90E-07
COPD in ever smokers	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	-0.023	0.016	0.147	0.009	33.142	TRUE	5.79E-08
COPD in ever smokers	SLC26A1	cg24226891	rs4690197	T	G	-0.273	0.029	0.204	9.62E-22	-0.016	0.018	0.368	0.024	91.744	TRUE	2.16E-20
COPD in ever smokers	SLC39A11	cg04004363	rs6501598	C	T	-0.177	0.023	0.454	3.56E-14	0.002	0.015	0.869	0.015	57.365	TRUE	1.17E-13
COPD in ever smokers	SLC39A11	cg08853318	rs34953967	C	T	-0.694	0.046	0.180	2.83E-52	0.001	0.018	0.970	0.059	231.361	TRUE	8.43E-50
COPD in ever smokers	SLC39A11	cg08853318	rs8073902	G	T	0.157	0.025	0.357	2.11E-10	-0.016	0.016	0.320	0.011	40.339	TRUE	1.17E-09
COPD in ever smokers	SLC39A11	cg08853318	rs8079240	C	T	-0.277	0.038	0.217	5.53E-13	0.011	0.018	0.539	0.014	51.980	TRUE	2.77E-12
COPD in ever smokers	SLC39A11	cg08853318	rs903107	C	T	-0.142	0.024	0.451	1.71E-09	0.002	0.015	0.872	0.010	36.256	TRUE	3.64E-09
COPD in ever smokers	SLC39A11	cg08875869	rs73995789	G	A	-0.857	0.057	0.042	4.57E-51	-0.013	0.037	0.716	0.058	225.822	TRUE	2.52E-48
COPD in ever smokers	SLC39A11	cg09464990	rs118073026	T	C	-0.369	0.055	0.043	2.21E-11	-0.017	0.035	0.631	0.012	44.748	TRUE	7.95E-11
COPD in ever smokers	SLC39A11	cg11761483	rs903107	C	T	0.223	0.023	0.451	3.12E-22	0.002	0.015	0.872	0.025	93.970	TRUE	2.31E-21
COPD in ever smokers	SLC39A11	cg14233847	rs9910192	G	A	0.146	0.023	0.424	3.17E-10	-0.042	0.015	0.005	0.011	39.544	TRUE	1.06E-08
COPD in ever smokers	SLC39A11	cg14673722	rs7224715	T	C	-0.573	0.023	0.456	2.06E-142	0.001	0.015	0.939	0.149	645.211	TRUE	5.41E-131
COPD in ever smokers	SLC39A11	cg15391883	rs56376687	G	A	0.408	0.020	0.497	3.39E-89	-0.017	0.015	0.239	0.098	400.750	TRUE	3.76E-82
COPD in ever smokers	SLC39A11	cg16434331	rs113446849	T	G	-1.623	0.060	0.036	5.61E-162	-0.019	0.039	0.636	0.166	735.137	TRUE	3.47E-147
COPD in ever smokers	SLC39A11	cg16434331	rs12942980	G	A	-0.168	0.026	0.286	1.12E-10	-0.021	0.017	0.199	0.011	41.577	TRUE	8.74E-10
COPD in ever smokers	SLC39A11	cg16434331	rs2567501	C	A	-0.358	0.026	0.275	8.14E-43	-0.026	0.017	0.115	0.048	188.028	TRUE	1.86E-39
COPD in ever smokers	SLC39A11	cg16434331	rs4793479	G	A	-0.239	0.025	0.373	5.74E-22	0.001	0.016	0.942	0.024	92.766	TRUE	3.59E-21
COPD in ever smokers	SLC39A11	cg16434331	rs7223064	C	T	-0.191	0.030	0.195	1.14E-10	-0.030	0.019	0.114	0.011	41.538	TRUE	1.22E-09
COPD in ever smokers	SLC39A11	cg16434331	rs8066857	T	C	-0.262	0.029	0.189	5.31E-19	0.008	0.019	0.672	0.021	79.265	TRUE	4.12E-18
COPD in ever smokers	SLC39A11	cg22263591	rs35544910	A	G	0.365	0.052	0.141	2.69E-12	0.004	0.019	0.849	0.013	48.878	TRUE	7.62E-12
COPD in ever smokers	SLC39A11	cg22263591	rs9709426	G	A	-0.268	0.044	0.155	1.09E-09	0.005	0.022	0.821	0.010	37.140	TRUE	2.52E-09
COPD in ever smokers	SLC39A11	cg24940950	rs2567469	T	C	-0.308	0.024	0.373	4.56E-38	-0.001	0.016	0.940	0.043	166.297	TRUE	1.92E-36
COPD in ever smokers	SLC39A11	cg24940950	rs4793307	C	T	-0.164	0.027	0.250	6.73E-10	-0.003	0.017	0.880	0.010	38.076	TRUE	1.47E-09
COPD in ever smokers	SLC39A11	cg25901000	rs2466527	C	T	0.139	0.024	0.396	3.87E-09	-0.002	0.016	0.914	0.009	34.671	TRUE	7.57E-09
COPD in ever smokers	SLC39A11	cg27025137	rs2714036	A	C	-0.289	0.040	0.102	5.57E-13	0.002	0.025	0.931	0.014	51.964	TRUE	1.49E-12
COPD in ever smokers	SLC39A11	cg27025137	rs903107	C	T	0.141	0.023	0.451	1.94E-09	0.002	0.015	0.872	0.010	36.012	TRUE	4.11E-09
COPD in ever smokers	SLC39A11	cg27248029	rs4969057	T	C	-0.303	0.026	0.281	1.87E-31	0.037	0.018	0.037	0.035	136.059	TRUE	1.53E-28
COPD in ever smokers	SLC39A11	cg27248029	rs6501598	C	T	-0.395	0.023	0.454	1.49E-65	0.002	0.015	0.869	0.073	292.243	TRUE	5.77E-62
COPD in ever smokers	SLC39A11	cg27399387	rs35141073	C	A	-0.153	0.024	0.380	3.89E-10	-0.003	0.015	0.832	0.010	39.145	TRUE	9.25E-10

COPD in ever smokers	SLC39A11	cg27399387	rs55974215	A	C	-0.908	0.018	0.451	<1E-200	0.001	0.015	0.965	0.408	2545.629	TRUE	<1E-200
COPD in ever smokers	SLC39A11	cg27399387	rs71380163	A	G	0.232	0.029	0.227	4.54E-16	-0.018	0.018	0.341	0.018	65.950	TRUE	5.13E-15
COPD in ever smokers	SLC39A11	cg27399387	rs8068237	C	A	-0.225	0.038	0.226	2.76E-09	0.001	0.018	0.970	0.009	35.324	TRUE	5.10E-09
COPD in ever smokers	SLC39A11	cg27399387	rs9674849	A	G	0.462	0.072	0.056	1.19E-10	-0.023	0.032	0.470	0.011	41.459	TRUE	5.12E-10
COPD in ever smokers	SQSTM1	cg01225779	rs12522926	G	A	-0.242	0.024	0.478	2.91E-24	0.045	0.015	0.003	0.027	103.224	TRUE	2.85E-21
COPD in ever smokers	SQSTM1	cg01225779	rs172056	G	A	0.169	0.026	0.305	4.70E-11	-0.011	0.017	0.493	0.012	43.275	TRUE	2.04E-10
COPD in ever smokers	SQSTM1	cg06589507	rs4504352	A	G	0.193	0.034	0.140	1.76E-08	0.057	0.021	0.007	0.009	31.731	TRUE	3.53E-07
COPD in ever smokers	SQSTM1	cg06861426	rs35647750	A	G	-0.335	0.044	0.075	3.02E-14	-0.010	0.028	0.712	0.015	57.692	TRUE	1.29E-13
COPD in ever smokers	SQSTM1	cg12619504	rs10516140	A	C	0.418	0.032	0.161	1.53E-39	0.045	0.020	0.026	0.045	173.036	TRUE	7.72E-36
COPD in ever smokers	SQSTM1	cg12619504	rs12234037	G	A	0.276	0.035	0.121	3.86E-15	-0.009	0.023	0.688	0.016	61.737	TRUE	1.89E-14
COPD in ever smokers	SQSTM1	cg12619504	rs13163209	A	G	0.172	0.030	0.175	1.27E-08	0.006	0.019	0.738	0.009	32.355	TRUE	2.96E-08
COPD in ever smokers	SQSTM1	cg12619504	rs155787	G	A	-0.165	0.024	0.469	2.14E-12	-0.013	0.015	0.410	0.013	49.322	TRUE	1.28E-11
COPD in ever smokers	SQSTM1	cg12619504	rs155788	C	T	0.362	0.040	0.092	3.23E-19	-0.007	0.026	0.794	0.021	80.247	TRUE	2.02E-18
COPD in ever smokers	SQSTM1	cg12619504	rs17616317	A	G	0.358	0.044	0.077	2.84E-16	-0.025	0.028	0.371	0.018	66.878	TRUE	3.05E-15
COPD in ever smokers	SQSTM1	cg12619504	rs59906025	G	A	0.133	0.024	0.417	3.05E-08	-0.013	0.015	0.389	0.008	30.661	TRUE	1.11E-07
COPD in ever smokers	SQSTM1	cg12619504	rs62406229	A	G	-0.170	0.026	0.324	3.16E-11	0.017	0.016	0.283	0.012	44.052	TRUE	2.14E-10
COPD in ever smokers	SQSTM1	cg12619504	rs6860158	T	C	0.174	0.026	0.274	2.10E-11	-0.029	0.017	0.081	0.012	44.855	TRUE	3.01E-10
COPD in ever smokers	SQSTM1	cg15960580	rs269445	G	A	-0.141	0.023	0.458	1.39E-09	-0.004	0.015	0.812	0.010	36.656	TRUE	3.23E-09
COPD in ever smokers	SQSTM1	cg27664881	rs113779029	A	G	0.454	0.075	0.043	1.35E-09	-0.073	0.037	0.048	0.010	36.719	TRUE	1.76E-08
COPD in ever smokers	ST20	cg11839771	rs16971685	A	G	-0.363	0.066	0.032	3.01E-08	-0.003	0.042	0.948	0.008	30.682	TRUE	5.26E-08
COPD in ever smokers	ST20	cg11839771	rs1829758	C	A	0.206	0.031	0.173	3.89E-11	0.007	0.020	0.719	0.012	43.643	TRUE	1.19E-10
COPD in ever smokers	ST20	cg11839771	rs2562746	A	G	0.239	0.037	0.106	8.08E-11	0.050	0.024	0.034	0.011	42.215	TRUE	1.54E-09
COPD in ever smokers	ST20	cg11839771	rs282798	C	T	-0.182	0.025	0.490	3.30E-13	-0.004	0.015	0.813	0.014	52.995	TRUE	1.08E-12
COPD in ever smokers	ST20	cg11839771	rs3892157	A	G	-0.168	0.028	0.252	1.83E-09	-0.016	0.017	0.360	0.010	36.123	TRUE	8.27E-09
COPD in ever smokers	ST20	cg11839771	rs62026657	G	A	-0.554	0.051	0.057	7.56E-28	-0.036	0.036	0.315	0.031	119.582	TRUE	4.78E-26
COPD in ever smokers	ST20	cg11839771	rs6495455	C	T	-0.643	0.023	0.360	7.98E-167	-0.039	0.016	0.012	0.170	757.416	TRUE	1.85E-147
COPD in ever smokers	ST20	cg11839771	rs66552844	A	G	0.297	0.032	0.171	1.47E-20	-0.012	0.021	0.561	0.023	86.354	TRUE	1.73E-19
COPD in ever smokers	ST20	cg11839771	rs71409267	G	T	-0.283	0.032	0.155	1.90E-18	0.001	0.020	0.962	0.020	76.750	TRUE	8.04E-18
COPD in ever smokers	ST20	cg11839771	rs72736582	T	C	-0.238	0.040	0.088	3.71E-09	-0.053	0.025	0.033	0.009	34.753	TRUE	5.10E-08
COPD in ever smokers	ST20	cg11839771	rs74025941	G	T	-0.304	0.046	0.065	4.25E-11	-0.018	0.030	0.550	0.012	43.470	TRUE	1.69E-10
COPD in ever smokers	ST20	cg18753337	rs1074390	G	A	-0.269	0.024	0.397	1.26E-29	-0.002	0.015	0.876	0.033	127.695	TRUE	2.16E-28
COPD in ever smokers	ST20	cg18753337	rs111800853	G	A	-0.773	0.074	0.026	2.20E-25	0.048	0.043	0.267	0.028	108.337	TRUE	1.17E-23
COPD in ever smokers	ST20	cg18753337	rs11856087	A	G	-0.237	0.026	0.277	4.78E-20	0.007	0.016	0.650	0.022	84.024	TRUE	4.37E-19
COPD in ever smokers	ST20	cg18753337	rs12437938	T	C	-0.936	0.078	0.023	6.91E-33	-0.023	0.050	0.640	0.037	142.602	TRUE	3.25E-31
COPD in ever smokers	ST20	cg18753337	rs12439250	C	T	-0.528	0.095	0.031	2.77E-08	-0.014	0.038	0.719	0.008	30.846	TRUE	6.39E-08
COPD in ever smokers	ST20	cg18753337	rs12907428	T	C	-0.260	0.024	0.417	2.36E-28	0.001	0.015	0.939	0.032	121.892	TRUE	3.00E-27
COPD in ever smokers	ST20	cg18753337	rs12914365	G	A	-0.456	0.024	0.344	2.04E-80	-0.025	0.016	0.106	0.089	360.445	TRUE	1.16E-73
COPD in ever smokers	ST20	cg18753337	rs140117705	A	G	-0.840	0.091	0.016	2.30E-20	-0.069	0.054	0.203	0.023	85.467	TRUE	7.52E-19
COPD in ever smokers	ST20	cg18753337	rs1403252	C	T	0.255	0.037	0.103	8.84E-12	0.012	0.023	0.613	0.012	46.546	TRUE	3.41E-11
COPD in ever smokers	ST20	cg18753337	rs185888913	C	A	0.236	0.038	0.104	5.20E-10	0.039	0.024	0.111	0.010	38.579	TRUE	5.01E-09
COPD in ever smokers	ST20	cg18753337	rs2114713	G	T	0.167	0.024	0.426	3.03E-12	-0.011	0.015	0.481	0.013	48.642	TRUE	1.55E-11
COPD in ever smokers	ST20	cg18753337	rs2461645	T	C	0.147	0.026	0.272	1.15E-08	0.011	0.017	0.510	0.009	32.547	TRUE	3.67E-08

COPD in ever smokers	ST20	cg18753337	rs2562745	T	G	0.349	0.037	0.106	1.83E-21	0.049	0.024	0.038	0.024	90.475	TRUE	2.41E-19
COPD in ever smokers	ST20	cg18753337	rs2733087	C	T	0.364	0.033	0.139	9.12E-28	-0.010	0.022	0.654	0.031	119.210	TRUE	2.11E-26
COPD in ever smokers	ST20	cg18753337	rs2865825	A	G	-1.141	0.022	0.206	<1E-200	0.029	0.018	0.103	0.425	2731.202	TRUE	<1E-200
COPD in ever smokers	ST20	cg18753337	rs34681825	C	T	0.381	0.036	0.117	7.26E-26	0.003	0.023	0.902	0.029	110.534	TRUE	7.55E-25
COPD in ever smokers	ST20	cg18753337	rs400143	C	T	-0.180	0.024	0.406	4.36E-14	-0.009	0.015	0.542	0.015	56.967	TRUE	2.48E-13
COPD in ever smokers	ST20	cg18753337	rs4778756	C	T	0.230	0.024	0.481	1.48E-22	-0.001	0.015	0.947	0.025	95.442	TRUE	9.78E-22
COPD in ever smokers	ST20	cg18753337	rs72736538	A	G	0.440	0.081	0.024	4.93E-08	0.045	0.049	0.357	0.008	29.728	TRUE	1.85E-07
COPD in ever smokers	ST20	cg18753337	rs74025941	G	T	0.309	0.046	0.065	1.72E-11	-0.018	0.030	0.550	0.012	45.240	TRUE	7.13E-11
COPD in ever smokers	ST20	cg18753337	rs77013706	T	C	0.285	0.049	0.057	4.92E-09	-0.002	0.030	0.942	0.009	34.201	TRUE	9.22E-09
COPD in ever smokers	ST20	cg18753337	rs939971	A	C	0.338	0.025	0.338	4.77E-42	0.005	0.016	0.768	0.048	184.512	TRUE	5.64E-40
COPD in ever smokers	ST20	cg21315874	rs113084686	G	T	0.593	0.049	0.061	1.02E-33	-0.013	0.030	0.655	0.038	146.394	TRUE	5.17E-32
COPD in ever smokers	ST20	cg21315874	rs16971397	G	A	0.440	0.038	0.101	2.04E-30	-0.012	0.025	0.636	0.034	131.315	TRUE	6.97E-29
COPD in ever smokers	ST20	cg21315874	rs1829758	C	A	-0.185	0.031	0.173	2.63E-09	0.007	0.020	0.719	0.009	35.419	TRUE	6.72E-09
COPD in ever smokers	ST20	cg21315874	rs2586163	G	A	-0.288	0.033	0.142	6.85E-18	-0.008	0.022	0.724	0.020	74.218	TRUE	4.24E-17
COPD in ever smokers	ST20	cg21315874	rs282795	A	G	0.188	0.025	0.330	3.84E-14	-0.006	0.016	0.729	0.015	57.216	TRUE	1.58E-13
COPD in ever smokers	ST20	cg21315874	rs35107739	T	C	-0.313	0.028	0.215	3.67E-28	0.027	0.018	0.135	0.032	121.014	TRUE	5.82E-26
COPD in ever smokers	ST20	cg21315874	rs62006355	C	T	0.331	0.060	0.043	3.19E-08	0.037	0.040	0.352	0.008	30.572	TRUE	1.24E-07
COPD in ever smokers	ST20	cg21315874	rs62026581	A	G	-0.255	0.044	0.070	8.14E-09	-0.028	0.028	0.312	0.009	33.223	TRUE	3.69E-08
COPD in ever smokers	ST20	cg21315874	rs62026657	G	A	0.349	0.051	0.057	7.33E-12	-0.036	0.036	0.315	0.013	46.911	TRUE	5.02E-11
COPD in ever smokers	ST20	cg21315874	rs62028021	A	G	-0.257	0.040	0.089	1.03E-10	0.050	0.026	0.052	0.011	41.738	TRUE	1.61E-09
COPD in ever smokers	ST20	cg21315874	rs6495456	T	C	0.702	0.022	0.360	3.47E-231	-0.039	0.016	0.012	0.222	1053.323	TRUE	1.16E-200
COPD in ever smokers	ST20	cg21315874	rs66552844	A	G	-0.205	0.032	0.171	1.45E-10	-0.012	0.021	0.561	0.011	41.066	TRUE	5.33E-10
COPD in ever smokers	ST20	cg21315874	rs72732725	G	A	0.298	0.043	0.081	6.57E-12	-0.011	0.027	0.690	0.013	47.127	TRUE	2.28E-11
COPD in ever smokers	ST20	cg21315874	rs74025941	G	T	0.347	0.046	0.065	4.44E-14	-0.018	0.030	0.550	0.015	56.934	TRUE	2.48E-13
COPD in ever smokers	ST20	cg21315874	rs76106646	G	A	0.302	0.040	0.099	5.76E-14	0.031	0.024	0.193	0.015	56.419	TRUE	7.54E-13
COPD in ever smokers	ST20	cg21315874	rs8041120	G	A	-0.207	0.025	0.300	3.78E-16	0.008	0.016	0.632	0.018	66.312	TRUE	2.30E-15
COPD in ever smokers	ST20	cg22389121	rs12907077	T	C	0.202	0.032	0.145	3.03E-10	0.009	0.020	0.662	0.011	39.634	TRUE	9.21E-10
COPD in ever smokers	ST20	cg22389121	rs150450469	C	T	0.160	0.023	0.457	9.03E-12	0.025	0.015	0.096	0.012	46.503	TRUE	1.26E-10
COPD in ever smokers	ST20	cg22389121	rs2115538	A	G	-0.272	0.029	0.202	1.79E-21	0.030	0.018	0.097	0.024	90.518	TRUE	1.25E-19
COPD in ever smokers	ST20	cg22389121	rs62006301	C	T	-0.192	0.032	0.157	1.32E-09	0.023	0.021	0.253	0.010	36.770	TRUE	7.58E-09
COPD in ever smokers	ST20	cg22389121	rs7171636	T	C	0.583	0.029	0.194	4.03E-91	-0.006	0.019	0.741	0.100	409.589	TRUE	4.48E-85
COPD in ever smokers	ST20	cg22389121	rs73487353	C	T	0.201	0.026	0.287	9.00E-15	-0.001	0.016	0.941	0.016	60.071	TRUE	2.78E-14
COPD in ever smokers	ST20	cg22389121	rs77013706	T	C	0.344	0.049	0.057	1.43E-12	-0.002	0.030	0.942	0.013	50.116	TRUE	3.62E-12
COPD in ever smokers	ST20	cg26673396	rs1081226	A	G	0.208	0.033	0.140	3.55E-10	-0.024	0.021	0.253	0.011	39.323	TRUE	2.22E-09
COPD in ever smokers	ST20	cg26673396	rs11636338	C	A	-0.154	0.024	0.354	2.37E-10	-0.008	0.015	0.593	0.011	40.112	TRUE	8.08E-10
COPD in ever smokers	ST20	cg26673396	rs16971332	G	A	-0.368	0.057	0.048	8.27E-11	-0.016	0.037	0.669	0.011	42.171	TRUE	2.64E-10
COPD in ever smokers	ST20	cg26673396	rs36043829	G	A	0.305	0.028	0.214	4.86E-27	0.026	0.018	0.144	0.030	115.893	TRUE	6.06E-25
COPD in ever smokers	ST20	cg26673396	rs449923	G	T	-0.142	0.025	0.331	9.17E-09	-0.005	0.016	0.748	0.009	32.993	TRUE	2.13E-08
COPD in ever smokers	ST20	cg26673396	rs577212954	T	C	-0.280	0.043	0.099	8.01E-11	0.038	0.025	0.123	0.011	42.232	TRUE	8.40E-10
COPD in ever smokers	ST20	cg26673396	rs74025941	G	T	-0.470	0.046	0.065	9.35E-25	-0.018	0.030	0.550	0.028	105.472	TRUE	1.91E-23
COPD in ever smokers	ST20	cg26673396	rs8026997	C	T	-0.497	0.024	0.358	1.88E-96	-0.039	0.016	0.011	0.105	434.068	TRUE	1.10E-86
COPD in ever smokers	STEAP3	cg00327263	rs60549362	G	A	0.180	0.024	0.449	2.70E-14	0.014	0.015	0.362	0.015	57.912	TRUE	2.29E-13

COPD in ever smokers	STEAP3	cg06872331	rs10206700	A	G	0.390	0.028	0.209	4.90E-43	-0.020	0.019	0.300	0.049	189.037	TRUE	3.52E-40
COPD in ever smokers	STEAP3	cg06872331	rs10209956	C	T	0.173	0.024	0.394	1.11E-12	0.028	0.015	0.070	0.013	50.604	TRUE	2.16E-11
COPD in ever smokers	STEAP3	cg06872331	rs12998285	C	T	-0.200	0.028	0.217	1.99E-12	-0.027	0.018	0.135	0.013	49.471	TRUE	2.57E-11
COPD in ever smokers	STEAP3	cg06872331	rs144846120	A	G	0.667	0.108	0.026	6.58E-10	-0.025	0.052	0.628	0.010	38.119	TRUE	2.03E-09
COPD in ever smokers	STEAP3	cg06872331	rs17798163	A	G	-0.308	0.054	0.046	1.22E-08	-0.008	0.034	0.807	0.009	32.437	TRUE	2.61E-08
COPD in ever smokers	STEAP3	cg06872331	rs17805141	T	C	-0.397	0.053	0.053	8.75E-14	-0.026	0.032	0.420	0.015	55.600	TRUE	6.10E-13
COPD in ever smokers	STEAP3	cg06872331	rs35946475	C	T	-0.269	0.035	0.341	5.94E-15	-0.003	0.017	0.861	0.016	60.888	TRUE	2.13E-14
COPD in ever smokers	STEAP3	cg06872331	rs3795927	A	G	0.711	0.022	0.445	8.95E-226	0.003	0.015	0.841	0.218	1028.439	TRUE	2.45E-201
COPD in ever smokers	STEAP3	cg06872331	rs56267331	A	G	-0.391	0.055	0.046	1.34E-12	-0.002	0.036	0.950	0.013	50.241	TRUE	3.36E-12
COPD in ever smokers	STEAP3	cg06872331	rs6759748	G	A	0.212	0.029	0.202	5.15E-13	0.025	0.019	0.178	0.014	52.120	TRUE	6.15E-12
COPD in ever smokers	STEAP3	cg06872331	rs72839761	A	C	0.434	0.069	0.028	2.54E-10	-0.025	0.041	0.542	0.011	39.981	TRUE	9.32E-10
COPD in ever smokers	STEAP3	cg06872331	rs7583824	T	C	-0.244	0.024	0.405	1.81E-24	-0.018	0.015	0.224	0.027	104.163	TRUE	1.00E-22
COPD in ever smokers	STEAP3	cg06872331	rs76612865	A	G	-0.341	0.046	0.068	1.92E-13	-0.028	0.029	0.327	0.014	54.058	TRUE	1.58E-12
COPD in ever smokers	STEAP3	cg06872331	rs77599087	A	G	0.400	0.070	0.024	1.02E-08	0.029	0.046	0.526	0.009	32.779	TRUE	3.20E-08
COPD in ever smokers	STEAP3	cg08024822	rs708670	A	G	-0.148	0.024	0.417	3.72E-10	0.000	0.015	0.979	0.010	39.231	TRUE	7.29E-10
COPD in ever smokers	STEAP3	cg12535642	rs10496555	A	G	-0.146	0.027	0.265	4.93E-08	0.007	0.017	0.684	0.008	29.727	TRUE	1.16E-07
COPD in ever smokers	STEAP3	cg12535642	rs13011233	T	G	0.180	0.027	0.268	1.29E-11	0.030	0.017	0.082	0.012	45.810	TRUE	1.91E-10
COPD in ever smokers	STEAP3	cg12535642	rs3754847	T	C	0.842	0.020	0.438	<1E-200	0.008	0.015	0.609	0.322	1758.664	TRUE	<1E-200
COPD in ever smokers	STEAP3	cg12535642	rs56304959	T	C	-0.438	0.030	0.201	1.16E-49	-0.005	0.019	0.792	0.056	219.379	TRUE	4.02E-47
COPD in ever smokers	STEAP3	cg12535642	rs62157029	G	A	-0.213	0.028	0.222	4.20E-14	-0.019	0.018	0.276	0.015	57.043	TRUE	4.32E-13
COPD in ever smokers	STEAP3	cg12535642	rs62157444	T	G	0.259	0.039	0.099	2.38E-11	-0.012	0.025	0.624	0.012	44.603	TRUE	8.63E-11
COPD in ever smokers	STEAP3	cg12535642	rs6708149	T	C	0.375	0.028	0.214	1.05E-39	0.021	0.018	0.240	0.045	173.790	TRUE	5.86E-37
COPD in ever smokers	STEAP3	cg12535642	rs6721529	A	C	-0.173	0.024	0.421	2.59E-13	-0.026	0.015	0.087	0.014	53.466	TRUE	4.99E-12
COPD in ever smokers	STEAP3	cg12535642	rs6723312	G	A	-0.508	0.040	0.097	1.04E-36	-0.017	0.025	0.497	0.041	160.081	TRUE	1.28E-34
COPD in ever smokers	STEAP3	cg12535642	rs72829474	C	T	-0.527	0.062	0.035	1.84E-17	0.005	0.037	0.896	0.019	72.273	TRUE	7.93E-17
COPD in ever smokers	STEAP3	cg12535642	rs72833274	A	G	-0.261	0.046	0.061	1.86E-08	0.042	0.028	0.125	0.008	31.620	TRUE	1.29E-07
COPD in ever smokers	STEAP3	cg12535642	rs74264760	T	C	-0.277	0.033	0.142	1.52E-17	-0.017	0.021	0.407	0.019	72.649	TRUE	1.76E-16
COPD in ever smokers	STEAP3	cg12535642	rs75360780	A	C	0.547	0.037	0.113	1.18E-48	-0.008	0.024	0.752	0.055	214.769	TRUE	3.96E-46
COPD in ever smokers	STEAP3	cg12535642	rs838079	A	G	-0.335	0.045	0.072	8.04E-14	-0.012	0.027	0.667	0.015	55.765	TRUE	3.55E-13
COPD in ever smokers	STEAP3	cg13431009	rs3769653	T	C	0.407	0.023	0.457	1.05E-68	0.019	0.015	0.198	0.077	306.705	TRUE	1.73E-63
COPD in ever smokers	STEAP3	cg13431009	rs56304959	T	C	-0.194	0.030	0.201	9.25E-11	-0.005	0.019	0.792	0.011	41.952	TRUE	2.46E-10
COPD in ever smokers	STEAP3	cg13431009	rs75360780	A	C	0.224	0.038	0.113	2.79E-09	-0.008	0.024	0.752	0.009	35.304	TRUE	6.81E-09
COPD in ever smokers	STEAP3	cg13431009	rs78115599	T	C	0.159	0.029	0.207	3.92E-08	0.025	0.018	0.180	0.008	30.171	TRUE	2.17E-07
COPD in ever smokers	STEAP3	cg14882150	rs10194572	C	T	-0.318	0.028	0.208	2.70E-29	-0.020	0.019	0.300	0.033	126.187	TRUE	2.24E-27
COPD in ever smokers	STEAP3	cg14882150	rs12612942	G	A	-0.168	0.029	0.214	4.23E-09	0.022	0.018	0.225	0.009	34.498	TRUE	2.42E-08
COPD in ever smokers	STEAP3	cg14882150	rs35946475	C	T	0.195	0.034	0.341	1.29E-08	-0.003	0.017	0.861	0.009	32.335	TRUE	2.57E-08
COPD in ever smokers	STEAP3	cg14882150	rs3795927	A	G	-0.473	0.023	0.445	5.22E-95	0.003	0.015	0.841	0.104	427.440	TRUE	9.04E-89
COPD in ever smokers	STEAP3	cg14882150	rs6722032	C	A	0.205	0.024	0.406	5.78E-18	-0.019	0.015	0.204	0.020	74.554	TRUE	1.32E-16
COPD in ever smokers	STEAP3	cg17276106	rs13011366	C	A	-0.160	0.024	0.414	3.43E-11	0.000	0.015	0.983	0.012	43.888	TRUE	7.28E-11
COPD in ever smokers	STEAP3	cg17276106	rs147072811	A	G	-1.533	0.105	0.011	4.62E-48	0.014	0.067	0.839	0.054	212.055	TRUE	1.08E-45
COPD in ever smokers	STEAP3	cg17276106	rs148816641	A	G	-0.185	0.028	0.227	4.05E-11	0.015	0.018	0.408	0.012	43.566	TRUE	2.07E-10
COPD in ever smokers	STEAP3	cg17276106	rs1867750	A	G	-0.164	0.026	0.297	1.30E-10	0.006	0.016	0.713	0.011	41.282	TRUE	3.82E-10

COPD in ever smokers	STEAP3	cg17276106	rs72840946	T	C	-0.432	0.058	0.038	1.22E-13	0.004	0.037	0.918	0.015	54.949	TRUE	3.52E-13
COPD in ever smokers	STEAP3	cg17276106	rs76769390	G	A	-0.637	0.055	0.051	1.61E-31	0.010	0.032	0.742	0.036	136.356	TRUE	4.83E-30
COPD in ever smokers	STEAP3	cg17276106	rs78133788	A	G	-1.623	0.043	0.058	<1E-200	-0.033	0.030	0.282	0.280	1435.495	TRUE	6.53E-270
COPD in ever smokers	STEAP3	cg17276106	rs80298521	T	G	-0.454	0.076	0.046	2.30E-09	-0.078	0.032	0.016	0.010	35.683	TRUE	4.35E-08
COPD in ever smokers	STEAP3	cg17276106	rs838083	C	T	0.359	0.052	0.051	6.13E-12	-0.001	0.033	0.978	0.013	47.261	TRUE	1.39E-11
COPD in ever smokers	STEAP3	cg17276106	rs895406	T	C	-0.302	0.023	0.499	3.05E-38	0.000	0.015	0.978	0.043	167.095	TRUE	1.19E-36
COPD in ever smokers	STEAP3	cg19911116	rs6721852	C	T	0.149	0.023	0.456	1.30E-10	0.014	0.015	0.344	0.011	41.290	TRUE	7.04E-10
COPD in ever smokers	STEAP3	cg21855041	rs6721852	C	T	0.210	0.024	0.456	3.93E-19	0.014	0.015	0.344	0.021	79.861	TRUE	6.65E-18
COPD in ever smokers	STEAP3	cg21855041	rs6723312	G	A	-0.387	0.040	0.097	8.08E-22	-0.017	0.025	0.497	0.024	92.090	TRUE	1.30E-20
COPD in ever smokers	STEAP3	cg21855041	rs72829472	C	A	-0.420	0.062	0.035	1.42E-11	0.009	0.037	0.807	0.012	45.614	TRUE	4.00E-11
COPD in ever smokers	STEAP3	cg23822655	rs75360780	A	C	0.222	0.038	0.113	3.38E-09	-0.008	0.024	0.752	0.009	34.935	TRUE	8.16E-09
COPD in ever smokers	STEAP3	cg23822655	rs78133788	A	G	-0.304	0.049	0.058	5.24E-10	-0.033	0.030	0.282	0.010	38.563	TRUE	3.00E-09
COPD in ever smokers	STEAP3	cg23822655	rs838070	A	G	0.293	0.023	0.463	1.01E-35	0.017	0.015	0.243	0.040	155.559	TRUE	2.91E-33
COPD in ever smokers	STEAP3	cg25713625	rs10207133	A	G	0.158	0.025	0.337	2.60E-10	0.016	0.016	0.313	0.011	39.936	TRUE	1.44E-09
COPD in ever smokers	STEAP3	cg25713625	rs12711923	A	C	-0.236	0.043	0.085	3.88E-08	-0.022	0.027	0.413	0.008	30.192	TRUE	1.34E-07
COPD in ever smokers	STEAP3	cg25713625	rs72829483	G	A	0.201	0.028	0.234	6.72E-13	0.021	0.018	0.242	0.014	51.595	TRUE	6.43E-12
COPD in ever smokers	STEAP3	cg25713625	rs73948632	A	G	-0.360	0.046	0.069	2.75E-15	-0.036	0.028	0.208	0.017	62.404	TRUE	4.16E-14
COPD in ever smokers	STEAP3	cg25713625	rs75360780	A	C	0.329	0.038	0.113	2.10E-18	-0.008	0.024	0.752	0.020	76.553	TRUE	1.30E-17
COPD in ever smokers	STEAP3	cg25713625	rs838070	A	G	0.433	0.023	0.463	7.83E-78	0.017	0.015	0.243	0.086	348.589	TRUE	6.40E-72
COPD in ever smokers	STEAP3	cg25713625	rs838080	C	T	-0.344	0.046	0.067	7.28E-14	-0.010	0.027	0.726	0.015	55.961	TRUE	2.92E-13
COPD in ever smokers	STK25	cg08129953	rs11555263	A	G	-0.432	0.075	0.028	9.88E-09	-0.045	0.051	0.379	0.009	32.847	TRUE	3.91E-08
COPD in ever smokers	STK25	cg08129953	rs62191665	G	A	0.290	0.041	0.081	1.81E-12	-0.035	0.027	0.191	0.013	49.650	TRUE	1.91E-11
COPD in ever smokers	STK25	cg09289202	rs10190033	C	A	-0.800	0.029	0.170	1.07E-164	-0.039	0.020	0.048	0.168	747.636	TRUE	1.09E-146
COPD in ever smokers	STK25	cg09289202	rs111576119	T	C	-0.662	0.066	0.053	9.52E-24	0.042	0.029	0.144	0.027	100.877	TRUE	7.01E-22
COPD in ever smokers	STK25	cg09289202	rs112476475	G	A	-0.712	0.098	0.016	3.39E-13	0.044	0.060	0.467	0.014	52.940	TRUE	2.00E-12
COPD in ever smokers	STK25	cg09289202	rs114169239	A	C	0.556	0.081	0.024	5.84E-12	0.023	0.051	0.656	0.013	47.355	TRUE	2.15E-11
COPD in ever smokers	STK25	cg09289202	rs115812193	C	T	-0.701	0.066	0.029	3.20E-26	-0.017	0.046	0.706	0.029	112.159	TRUE	5.40E-25
COPD in ever smokers	STK25	cg09289202	rs116660098	A	G	0.549	0.054	0.048	5.12E-24	0.035	0.034	0.310	0.027	102.105	TRUE	1.90E-22
COPD in ever smokers	STK25	cg09289202	rs11674264	A	G	0.168	0.029	0.197	1.20E-08	-0.030	0.019	0.108	0.009	32.463	TRUE	9.25E-08
COPD in ever smokers	STK25	cg09289202	rs11890117	C	T	0.216	0.024	0.385	2.38E-19	0.017	0.015	0.262	0.021	80.854	TRUE	5.35E-18
COPD in ever smokers	STK25	cg09289202	rs12613100	G	A	0.229	0.038	0.108	1.74E-09	0.020	0.024	0.395	0.010	36.227	TRUE	7.37E-09
COPD in ever smokers	STK25	cg09289202	rs12621047	G	A	-0.221	0.027	0.279	8.39E-17	0.009	0.017	0.613	0.018	69.278	TRUE	5.69E-16
COPD in ever smokers	STK25	cg09289202	rs13015179	G	A	-0.174	0.031	0.187	1.09E-08	-0.020	0.019	0.293	0.009	32.657	TRUE	5.03E-08
COPD in ever smokers	STK25	cg09289202	rs139875164	A	G	-0.553	0.068	0.033	5.92E-16	-0.001	0.044	0.982	0.017	65.427	TRUE	1.91E-15
COPD in ever smokers	STK25	cg09289202	rs142730039	G	A	-0.598	0.093	0.032	1.05E-10	0.015	0.040	0.705	0.011	41.696	TRUE	3.16E-10
COPD in ever smokers	STK25	cg09289202	rs149679796	T	C	0.620	0.073	0.033	1.49E-17	-0.040	0.055	0.468	0.019	72.687	TRUE	1.50E-16
COPD in ever smokers	STK25	cg09289202	rs149977848	A	G	-0.540	0.094	0.014	9.08E-09	-0.045	0.059	0.441	0.009	33.011	TRUE	3.25E-08
COPD in ever smokers	STK25	cg09289202	rs17440466	C	T	-0.318	0.034	0.144	3.96E-21	0.036	0.020	0.068	0.023	88.947	TRUE	3.35E-19
COPD in ever smokers	STK25	cg09289202	rs2012385	G	A	0.737	0.023	0.345	3.09E-227	0.003	0.016	0.848	0.219	1035.160	TRUE	1.47E-202
COPD in ever smokers	STK25	cg09289202	rs34107209	T	C	0.451	0.032	0.151	2.94E-45	-0.010	0.020	0.611	0.051	199.210	TRUE	9.12E-43
COPD in ever smokers	STK25	cg09289202	rs376118837	G	T	-0.304	0.037	0.115	2.07E-16	0.035	0.025	0.157	0.018	67.496	TRUE	4.54E-15
COPD in ever smokers	STK25	cg09289202	rs4675834	T	C	0.284	0.033	0.143	1.62E-17	0.008	0.021	0.708	0.019	72.524	TRUE	9.90E-17

COPD in ever smokers	STK25	cg09289202	rs6705421	A	G	0.803	0.020	0.445	<1E-200	-0.030	0.015	0.047	0.299	1575.382	TRUE	7.28E-291
COPD in ever smokers	STK25	cg09289202	rs6737057	C	T	-0.367	0.024	0.353	7.55E-52	-0.004	0.015	0.815	0.058	229.405	TRUE	3.43E-49
COPD in ever smokers	STK25	cg09289202	rs6738073	G	A	0.236	0.039	0.103	1.27E-09	0.003	0.025	0.918	0.010	36.840	TRUE	2.57E-09
COPD in ever smokers	STK25	cg09289202	rs6747920	A	G	0.341	0.058	0.091	4.96E-09	-0.004	0.026	0.869	0.009	34.186	TRUE	1.02E-08
COPD in ever smokers	STK25	cg09289202	rs6760093	G	T	0.193	0.024	0.424	8.02E-16	-0.013	0.015	0.412	0.017	64.829	TRUE	7.37E-15
COPD in ever smokers	STK25	cg09289202	rs73014018	A	G	-0.159	0.029	0.215	2.58E-08	0.015	0.018	0.428	0.008	30.986	TRUE	8.90E-08
COPD in ever smokers	STK25	cg09289202	rs7420166	A	G	0.230	0.027	0.243	2.85E-17	0.004	0.018	0.836	0.019	71.405	TRUE	1.35E-16
COPD in ever smokers	STK25	cg09289202	rs7588758	T	G	-0.679	0.029	0.178	1.84E-118	-0.014	0.019	0.474	0.126	535.161	TRUE	6.73E-109
COPD in ever smokers	STK25	cg09289202	rs75917565	T	G	-0.497	0.045	0.070	6.01E-28	0.014	0.029	0.621	0.031	120.037	TRUE	1.55E-26
COPD in ever smokers	STK25	cg09289202	rs76020097	T	C	-0.259	0.040	0.089	8.32E-11	0.002	0.024	0.941	0.011	42.159	TRUE	1.81E-10
COPD in ever smokers	STK25	cg09289202	rs76240021	G	A	0.387	0.058	0.042	2.60E-11	0.111	0.037	0.003	0.012	44.436	TRUE	1.39E-09
COPD in ever smokers	STK25	cg09289202	rs77726357	C	T	0.650	0.024	0.305	2.93E-161	0.024	0.016	0.150	0.165	731.833	TRUE	9.03E-145
COPD in ever smokers	STK25	cg18149394	rs111918792	C	T	-0.567	0.043	0.073	3.86E-40	-0.019	0.028	0.494	0.045	175.781	TRUE	8.06E-38
COPD in ever smokers	STK25	cg19488206	rs7618	G	A	0.300	0.029	0.212	1.29E-25	0.028	0.018	0.120	0.029	109.395	TRUE	1.50E-23
COPD in ever smokers	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	0.050	0.015	0.001	0.030	114.298	TRUE	2.76E-23
COPD in ever smokers	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	0.020	0.031	0.514	0.009	33.267	TRUE	2.56E-08
COPD in ever smokers	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	-0.039	0.016	0.015	0.013	49.346	TRUE	7.75E-11
COPD in ever smokers	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	0.050	0.015	9.40E-04	0.055	215.024	TRUE	3.98E-43
COPD in ever smokers	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	-0.053	0.015	5.15E-04	0.016	61.158	TRUE	1.17E-12
COPD in ever smokers	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	0.049	0.015	0.001	0.017	63.196	TRUE	3.37E-13
COPD in ever smokers	TGFB2	cg01558923	rs11581605	G	A	0.295	0.028	0.237	8.41E-27	0.030	0.018	0.088	0.030	114.805	TRUE	1.54E-24
COPD in ever smokers	TGFB2	cg07810039	rs3121580	T	C	0.245	0.042	0.178	6.04E-09	-0.042	0.020	0.036	0.009	33.802	TRUE	7.72E-08
COPD in ever smokers	TGFB2	cg17934824	rs17047703	A	C	0.229	0.028	0.235	1.44E-16	0.031	0.018	0.079	0.018	68.218	TRUE	5.10E-15
COPD in ever smokers	TGFB2	cg18876728	rs114748693	A	G	-0.527	0.091	0.015	6.25E-09	0.026	0.066	0.695	0.009	33.737	TRUE	1.58E-08
COPD in ever smokers	TGFB2	cg18876728	rs75004792	G	A	-1.286	0.149	0.014	7.19E-18	-0.084	0.062	0.174	0.020	74.124	TRUE	1.83E-16
COPD in ever smokers	TGFB2	cg20991819	rs1473527	A	G	-0.155	0.026	0.286	2.87E-09	-0.032	0.016	0.052	0.009	35.254	TRUE	3.38E-08
COPD in ever smokers	TGFB2	cg27508144	rs1418555	A	G	0.284	0.028	0.237	6.73E-25	0.031	0.018	0.082	0.028	106.124	TRUE	9.45E-23
COPD in ever smokers	TIRAP	cg02305850	rs78999807	C	A	-0.369	0.056	0.051	3.18E-11	0.018	0.035	0.621	0.012	44.037	TRUE	1.14E-10
COPD in ever smokers	TIRAP	cg02305850	rs8177348	T	C	0.319	0.027	0.226	2.71E-31	-0.039	0.018	0.027	0.035	135.317	TRUE	2.77E-28
COPD in ever smokers	TIRAP	cg02973469	rs12574111	A	G	-0.176	0.026	0.259	2.48E-11	-0.002	0.017	0.898	0.012	44.529	TRUE	5.98E-11
COPD in ever smokers	TIRAP	cg02973469	rs8177348	T	C	0.284	0.028	0.226	5.77E-25	-0.039	0.018	0.027	0.028	106.428	TRUE	1.81E-22
COPD in ever smokers	TIRAP	cg07194166	rs10893502	T	C	0.133	0.024	0.408	4.57E-08	-0.010	0.015	0.529	0.008	29.877	TRUE	1.32E-07
COPD in ever smokers	TIRAP	cg07194166	rs3781778	A	G	0.215	0.027	0.247	2.07E-15	0.027	0.017	0.116	0.017	62.963	TRUE	4.74E-14
COPD in ever smokers	TIRAP	cg07194166	rs4935969	T	C	-0.159	0.025	0.377	9.68E-11	-0.008	0.015	0.628	0.011	41.863	TRUE	3.26E-10
COPD in ever smokers	TIRAP	cg07194166	rs529328	A	G	0.247	0.027	0.246	3.09E-20	0.007	0.017	0.699	0.022	84.884	TRUE	2.61E-19
COPD in ever smokers	TIRAP	cg07194166	rs595022	T	C	0.208	0.027	0.261	2.06E-14	-0.012	0.017	0.471	0.016	58.441	TRUE	1.40E-13
COPD in ever smokers	TIRAP	cg07194166	rs611953	A	G	-0.750	0.027	0.219	2.08E-173	-0.035	0.018	0.050	0.176	787.677	TRUE	4.31E-154
COPD in ever smokers	TIRAP	cg07194166	rs613214	C	A	0.204	0.025	0.331	2.65E-16	0.006	0.016	0.710	0.018	67.012	TRUE	1.42E-15
COPD in ever smokers	TIRAP	cg07194166	rs79340868	A	G	-0.458	0.056	0.042	4.88E-16	0.096	0.035	0.006	0.017	65.810	TRUE	5.63E-14
COPD in ever smokers	TIRAP	cg15932284	rs478309	A	G	0.289	0.028	0.224	1.49E-25	-0.037	0.018	0.036	0.029	109.112	TRUE	4.25E-23
COPD in ever smokers	TIRAP	cg21533667	rs10893492	T	C	0.468	0.036	0.110	1.09E-37	0.043	0.023	0.063	0.043	164.564	TRUE	1.79E-34
COPD in ever smokers	TIRAP	cg21533667	rs112564808	C	T	0.730	0.120	0.011	1.37E-09	0.069	0.066	0.295	0.010	36.685	TRUE	7.18E-09

COPD in ever smokers	TIRAP	cg26202340	rs12574111	A	G	-0.209	0.026	0.259	2.82E-15	-0.002	0.017	0.898	0.017	62.354	TRUE	9.81E-15
COPD in ever smokers	TIRAP	cg26202340	rs638766	T	C	0.342	0.028	0.223	7.60E-35	-0.037	0.018	0.035	0.039	151.557	TRUE	1.22E-31
COPD in ever smokers	TIRAP	cg26202340	rs73027000	T	C	-0.349	0.063	0.040	2.34E-08	0.026	0.040	0.513	0.008	31.177	TRUE	7.14E-08
COPD in ever smokers	TNFRSF10A	cg04793096	rs117487025	A	G	0.705	0.100	0.035	1.43E-12	-0.024	0.041	0.549	0.013	50.111	TRUE	6.73E-12
COPD in ever smokers	TNFRSF10A	cg04793096	rs11775256	T	C	-0.287	0.029	0.257	2.53E-23	0.014	0.017	0.392	0.026	98.945	TRUE	6.57E-22
COPD in ever smokers	TNFRSF10A	cg04793096	rs35592234	C	T	-0.393	0.053	0.054	1.00E-13	-0.023	0.029	0.437	0.015	55.328	TRUE	6.71E-13
COPD in ever smokers	TNFRSF10A	cg04793096	rs60853691	A	G	0.394	0.053	0.052	1.05E-13	-0.033	0.033	0.312	0.015	55.236	TRUE	9.31E-13
COPD in ever smokers	TNFRSF10A	cg04793096	rs62501137	C	T	0.350	0.026	0.382	1.26E-41	-0.001	0.015	0.967	0.047	182.582	TRUE	7.99E-40
COPD in ever smokers	TNFRSF10A	cg04793096	rs73222597	T	C	-0.441	0.032	0.169	1.98E-42	0.019	0.019	0.313	0.048	186.263	TRUE	1.21E-39
COPD in ever smokers	TNFRSF10A	cg22843797	rs13278062	G	T	-0.386	0.025	0.454	1.98E-53	-0.014	0.015	0.344	0.060	236.651	TRUE	6.88E-50
COPD in ever smokers	TNFRSF10A	cg22843797	rs4872092	G	A	0.262	0.039	0.133	1.35E-11	-0.002	0.023	0.928	0.012	45.719	TRUE	3.20E-11
COPD in ever smokers	TNFRSF10A	cg23303108	rs113467419	G	T	-0.340	0.053	0.150	1.74E-10	0.042	0.021	0.049	0.011	40.712	TRUE	2.67E-09
COPD in ever smokers	TNFRSF10A	cg23303108	rs11778746	A	C	-0.229	0.027	0.301	4.58E-17	0.007	0.016	0.676	0.019	70.471	TRUE	2.83E-16
COPD in ever smokers	TNFRSF10A	cg23303108	rs13254979	C	T	0.188	0.029	0.269	6.50E-11	0.001	0.017	0.960	0.011	42.641	TRUE	1.39E-10
COPD in ever smokers	TNFRSF10A	cg23303108	rs35592234	C	T	-0.308	0.053	0.054	5.73E-09	-0.023	0.029	0.437	0.009	33.905	TRUE	2.12E-08
COPD in ever smokers	TNFRSF10A	cg23303108	rs73222594	C	T	-0.547	0.060	0.048	1.53E-19	-0.012	0.035	0.732	0.022	81.729	TRUE	1.11E-18
COPD in ever smokers	TNFRSF10A	cg23303108	rs7821298	T	C	-0.185	0.030	0.237	3.90E-10	-0.045	0.018	0.011	0.010	39.142	TRUE	9.88E-09
COPD in ever smokers	TNFRSF10A	cg23882019	rs10099175	C	A	-0.205	0.026	0.440	3.04E-15	-0.029	0.015	0.052	0.017	62.207	TRUE	1.09E-13
COPD in ever smokers	TNFRSF10A	cg23882019	rs11135714	A	G	0.379	0.035	0.168	8.64E-28	0.022	0.020	0.265	0.031	119.318	TRUE	6.57E-26
COPD in ever smokers	TNFRSF10A	cg23882019	rs13273587	T	C	0.337	0.058	0.046	6.09E-09	-0.025	0.033	0.452	0.009	33.787	TRUE	2.19E-08
COPD in ever smokers	TNFRSF10A	cg23882019	rs13278062	G	T	-0.713	0.024	0.454	1.60E-196	-0.014	0.015	0.344	0.195	893.944	TRUE	1.69E-175
COPD in ever smokers	TNFRSF10A	cg23882019	rs13278751	A	G	-0.457	0.066	0.030	3.02E-12	-0.034	0.039	0.379	0.013	48.651	TRUE	1.89E-11
COPD in ever smokers	TNFRSF10A	cg23882019	rs59495452	T	C	-0.259	0.031	0.207	5.11E-17	-0.011	0.019	0.542	0.019	70.255	TRUE	4.10E-16
COPD in ever smokers	TNFRSF10A	cg23882019	rs73222578	C	T	0.200	0.029	0.241	1.11E-11	-0.004	0.017	0.810	0.012	46.106	TRUE	3.14E-11
COPD in ever smokers	TNFRSF10A	cg23892336	rs1000294	A	G	0.192	0.029	0.244	5.04E-11	-0.046	0.017	0.009	0.012	43.137	TRUE	1.68E-09
COPD in ever smokers	TNFRSF10A	cg24278165	rs13278062	G	T	-0.350	0.025	0.454	6.73E-44	-0.014	0.015	0.344	0.050	192.987	TRUE	4.54E-41
COPD in ever smokers	TNFRSF10A	cg24278165	rs73222601	G	A	0.167	0.030	0.249	2.03E-08	0.008	0.017	0.642	0.008	31.451	TRUE	5.23E-08
COPD in ever smokers	TNFRSF10A	cg26400840	rs1000294	A	G	-0.236	0.029	0.244	6.02E-16	-0.046	0.017	0.009	0.017	65.394	TRUE	5.78E-14
COPD in ever smokers	TNFRSF10A	cg26530341	rs113467419	G	T	-0.383	0.053	0.150	5.48E-13	0.042	0.021	0.049	0.014	51.996	TRUE	1.34E-11
COPD in ever smokers	TNFRSF10A	cg26530341	rs13278062	G	T	-0.670	0.024	0.454	2.66E-172	-0.014	0.015	0.344	0.175	782.589	TRUE	4.25E-155
COPD in ever smokers	TNFRSF10A	cg26530341	rs35592234	C	T	-0.345	0.053	0.054	6.52E-11	-0.023	0.029	0.437	0.011	42.634	TRUE	3.07E-10
COPD in ever smokers	TNFRSF10A	cg26530341	rs73222594	C	T	-0.553	0.060	0.048	6.14E-20	-0.012	0.035	0.732	0.022	83.529	TRUE	4.68E-19
COPD in ever smokers	TNFRSF10A	cg26530341	rs73222601	G	A	0.361	0.030	0.249	2.80E-34	0.008	0.017	0.642	0.039	148.968	TRUE	1.58E-32
COPD in ever smokers	TP63	cg04483101	rs13071778	A	G	-0.267	0.043	0.076	7.34E-10	0.037	0.028	0.190	0.010	37.908	TRUE	5.20E-09
COPD in ever smokers	TP63	cg04483101	rs17426118	A	G	0.459	0.078	0.051	3.94E-09	-0.013	0.035	0.700	0.009	34.636	TRUE	1.01E-08
COPD in ever smokers	TP63	cg04483101	rs3856776	C	T	-0.203	0.024	0.480	6.40E-18	0.014	0.015	0.342	0.020	74.354	TRUE	9.24E-17
COPD in ever smokers	TP63	cg04483101	rs4686520	G	A	-0.754	0.020	0.480	<1E-200	-0.025	0.015	0.091	0.277	1419.645	TRUE	1.11E-265
COPD in ever smokers	TP63	cg04483101	rs4687087	T	C	0.186	0.025	0.372	3.70E-14	0.020	0.015	0.189	0.015	57.293	TRUE	5.05E-13
COPD in ever smokers	TP63	cg04483101	rs554633557	T	C	-0.525	0.092	0.016	1.09E-08	-0.034	0.055	0.542	0.009	32.653	TRUE	3.32E-08
COPD in ever smokers	TP63	cg04483101	rs58481885	T	C	-0.392	0.039	0.099	3.33E-24	-0.005	0.025	0.852	0.027	102.960	TRUE	3.19E-23
COPD in ever smokers	TP63	cg04483101	rs6806854	G	T	0.384	0.024	0.404	4.08E-58	-0.018	0.015	0.232	0.065	258.135	TRUE	6.32E-54
COPD in ever smokers	TP63	cg04483101	rs74732212	T	G	0.492	0.084	0.017	4.09E-09	0.005	0.052	0.919	0.009	34.560	TRUE	7.94E-09

COPD in ever smokers	TP63	cg05129081	rs10937405	T	C	-0.696	0.022	0.432	4.15E-219	-0.029	0.015	0.050	0.212	997.789	TRUE	4.78E-192
COPD in ever smokers	TP63	cg05129081	rs13322838	T	C	0.184	0.029	0.226	1.35E-10	-0.008	0.018	0.677	0.011	41.209	TRUE	4.17E-10
COPD in ever smokers	TP63	cg05129081	rs2290328	G	A	-0.301	0.039	0.095	9.74E-15	-0.032	0.025	0.196	0.016	59.916	TRUE	1.41E-13
COPD in ever smokers	TP63	cg05129081	rs260557	C	T	0.150	0.024	0.422	4.35E-10	0.004	0.015	0.794	0.010	38.927	TRUE	1.08E-09
COPD in ever smokers	TP63	cg05129081	rs260575	C	T	0.277	0.047	0.070	4.58E-09	-0.012	0.029	0.674	0.009	34.343	TRUE	1.21E-08
COPD in ever smokers	TP63	cg05129081	rs28407489	G	A	-0.148	0.023	0.496	2.35E-10	-0.014	0.015	0.352	0.011	40.130	TRUE	1.21E-09
COPD in ever smokers	TP63	cg05129081	rs28817057	A	G	0.154	0.024	0.362	2.47E-10	0.016	0.015	0.294	0.011	40.032	TRUE	1.44E-09
COPD in ever smokers	TP63	cg05129081	rs4687087	T	C	0.198	0.025	0.372	6.80E-16	0.020	0.015	0.189	0.017	65.155	TRUE	1.20E-14
COPD in ever smokers	TP63	cg05129081	rs58481885	T	C	-0.403	0.039	0.099	1.96E-25	-0.005	0.025	0.852	0.029	108.566	TRUE	2.17E-24
COPD in ever smokers	TP63	cg05129081	rs9864446	C	T	0.291	0.024	0.405	1.79E-33	-0.018	0.015	0.221	0.038	145.286	TRUE	4.02E-31
COPD in ever smokers	TP63	cg06720722	rs13322838	T	C	0.185	0.029	0.226	9.37E-11	-0.008	0.018	0.677	0.011	41.926	TRUE	2.94E-10
COPD in ever smokers	TP63	cg06720722	rs16848860	C	T	-0.288	0.030	0.196	1.59E-22	-0.028	0.019	0.152	0.025	95.300	TRUE	9.25E-21
COPD in ever smokers	TP63	cg06720722	rs2378514	G	A	-0.195	0.024	0.396	1.95E-16	-0.013	0.015	0.377	0.018	67.621	TRUE	2.11E-15
COPD in ever smokers	TP63	cg06720722	rs3856776	C	T	-0.214	0.024	0.480	1.29E-19	0.014	0.015	0.342	0.022	82.067	TRUE	2.34E-18
COPD in ever smokers	TP63	cg06720722	rs60447162	A	G	0.416	0.074	0.030	2.25E-08	0.018	0.046	0.689	0.008	31.249	TRUE	5.43E-08
COPD in ever smokers	TP63	cg06720722	rs6792756	A	C	-0.313	0.043	0.078	2.84E-13	0.041	0.028	0.134	0.014	53.286	TRUE	4.22E-12
COPD in ever smokers	TP63	cg06720722	rs74732212	T	G	0.493	0.084	0.017	3.97E-09	0.005	0.052	0.919	0.009	34.621	TRUE	7.70E-09
COPD in ever smokers	TP63	cg06720722	rs9831513	A	G	0.290	0.024	0.404	2.50E-33	-0.015	0.015	0.304	0.038	144.620	TRUE	3.74E-31
COPD in ever smokers	TP63	cg08040824	rs16864540	C	T	-0.196	0.024	0.370	9.55E-16	0.005	0.015	0.760	0.017	64.485	TRUE	4.40E-15
COPD in ever smokers	TP63	cg12188416	rs1152862	C	T	0.159	0.028	0.234	1.12E-08	-0.019	0.018	0.274	0.009	32.603	TRUE	5.37E-08
COPD in ever smokers	TP63	cg12188416	rs13322838	T	C	0.248	0.029	0.226	3.16E-18	-0.008	0.018	0.677	0.020	75.748	TRUE	2.22E-17
COPD in ever smokers	TP63	cg12188416	rs2290328	G	A	-0.315	0.039	0.095	5.15E-16	-0.032	0.025	0.196	0.017	65.701	TRUE	9.05E-15
COPD in ever smokers	TP63	cg12188416	rs260557	C	T	0.139	0.024	0.422	8.12E-09	0.004	0.015	0.794	0.009	33.229	TRUE	1.79E-08
COPD in ever smokers	TP63	cg12188416	rs260575	C	T	0.324	0.047	0.070	7.20E-12	-0.012	0.029	0.674	0.013	46.945	TRUE	2.55E-11
COPD in ever smokers	TP63	cg12188416	rs28407489	G	A	-0.138	0.023	0.496	3.89E-09	-0.014	0.015	0.352	0.009	34.659	TRUE	1.71E-08
COPD in ever smokers	TP63	cg12188416	rs3856776	C	T	-0.225	0.024	0.480	1.29E-21	0.014	0.015	0.342	0.024	91.156	TRUE	3.09E-20
COPD in ever smokers	TP63	cg12188416	rs4687087	T	C	0.244	0.025	0.372	2.79E-23	0.020	0.015	0.189	0.026	98.749	TRUE	1.50E-21
COPD in ever smokers	TP63	cg12188416	rs554633557	T	C	-0.536	0.092	0.016	5.36E-09	-0.034	0.055	0.542	0.009	34.036	TRUE	1.69E-08
COPD in ever smokers	TP63	cg12188416	rs58481885	T	C	-0.441	0.039	0.099	3.14E-30	-0.005	0.025	0.852	0.034	130.460	TRUE	6.11E-29
COPD in ever smokers	TP63	cg12188416	rs73188250	T	C	-0.778	0.021	0.404	<1E-200	-0.038	0.015	0.013	0.279	1429.704	TRUE	2.25E-265
COPD in ever smokers	TP63	cg12188416	rs79251530	A	C	0.330	0.050	0.065	3.59E-11	0.066	0.030	0.028	0.012	43.803	TRUE	8.00E-10
COPD in ever smokers	TP63	cg12188416	rs9831513	A	G	0.407	0.024	0.404	4.05E-65	-0.015	0.015	0.304	0.073	290.253	TRUE	1.57E-60
COPD in ever smokers	TP63	cg13518031	rs6776411	G	A	-0.170	0.024	0.370	4.21E-12	0.005	0.015	0.736	0.013	47.997	TRUE	1.39E-11
COPD in ever smokers	TP63	cg16764781	rs260585	C	A	0.206	0.033	0.153	3.40E-10	0.002	0.020	0.911	0.011	39.406	TRUE	7.32E-10
COPD in ever smokers	TP63	cg16764781	rs6800058	C	T	0.415	0.024	0.370	9.69E-66	0.005	0.015	0.741	0.073	293.102	TRUE	6.15E-62
COPD in ever smokers	TP63	cg21723486	rs16848860	C	T	-0.293	0.029	0.196	3.24E-23	-0.028	0.019	0.152	0.026	98.453	TRUE	2.09E-21
COPD in ever smokers	TP63	cg21723486	rs2290328	G	A	-0.238	0.039	0.095	9.32E-10	-0.032	0.025	0.196	0.010	37.443	TRUE	6.37E-09
COPD in ever smokers	TP63	cg21723486	rs2378514	G	A	-0.189	0.024	0.396	1.57E-15	-0.013	0.015	0.377	0.017	63.506	TRUE	1.51E-14
COPD in ever smokers	TP63	cg21723486	rs260585	C	A	0.364	0.033	0.153	5.61E-29	0.002	0.020	0.911	0.033	124.739	TRUE	8.18E-28
COPD in ever smokers	TP63	cg21723486	rs264153	C	T	0.181	0.026	0.282	3.15E-12	-0.020	0.017	0.217	0.013	48.569	TRUE	2.94E-11
COPD in ever smokers	TP63	cg21723486	rs6800058	C	T	0.671	0.023	0.370	8.57E-182	0.005	0.015	0.741	0.183	826.227	TRUE	2.38E-164
COPD in ever smokers	TP63	cg21723486	rs7619107	A	G	-0.164	0.025	0.344	5.77E-11	0.011	0.016	0.484	0.011	42.875	TRUE	2.51E-10

COPD in ever smokers	TP63	cg21723486	rs79887304	G	A	0.309	0.051	0.055	1.25E-09	0.029	0.031	0.357	0.010	36.864	TRUE	5.81E-09
COPD in ever smokers	TPCN2	cg01385198	rs11228450	T	C	-0.176	0.027	0.263	3.07E-11	0.038	0.017	0.024	0.012	44.105	TRUE	7.40E-10
COPD in ever smokers	TPCN2	cg01385198	rs3892895	A	G	-0.255	0.024	0.348	2.17E-25	-0.005	0.016	0.769	0.028	108.361	TRUE	2.87E-24
COPD in ever smokers	TPCN2	cg01385198	rs655816	G	A	0.418	0.025	0.295	5.65E-61	-0.037	0.016	0.023	0.068	271.245	TRUE	2.59E-55
COPD in ever smokers	TPCN2	cg01385198	rs7116054	T	C	0.191	0.029	0.200	6.46E-11	0.004	0.019	0.818	0.011	42.653	TRUE	1.68E-10
COPD in ever smokers	TPCN2	cg01403660	rs1004989	A	G	-0.390	0.040	0.101	4.62E-22	-0.006	0.025	0.810	0.025	93.193	TRUE	3.82E-21
COPD in ever smokers	TPCN2	cg01403660	rs11228516	T	C	0.358	0.024	0.381	1.43E-51	-0.005	0.015	0.762	0.058	228.127	TRUE	7.38E-49
COPD in ever smokers	TPCN2	cg01403660	rs12270146	G	A	-0.187	0.028	0.229	1.96E-11	-0.032	0.018	0.068	0.012	44.982	TRUE	3.09E-10
COPD in ever smokers	TPCN2	cg01403660	rs148668795	A	G	0.547	0.097	0.014	1.47E-08	0.080	0.053	0.129	0.009	32.075	TRUE	1.03E-07
COPD in ever smokers	TPCN2	cg01403660	rs2924533	C	A	0.471	0.029	0.178	7.78E-58	0.013	0.019	0.499	0.065	256.850	TRUE	2.99E-54
COPD in ever smokers	TPCN2	cg01403660	rs3019776	A	G	0.336	0.053	0.120	1.96E-10	-0.010	0.026	0.693	0.011	40.484	TRUE	5.81E-10
COPD in ever smokers	TPCN2	cg01403660	rs34105531	G	A	-0.450	0.036	0.116	1.52E-35	-0.008	0.022	0.722	0.040	154.757	TRUE	8.19E-34
COPD in ever smokers	TPCN2	cg01403660	rs61746574	A	G	-0.456	0.036	0.133	1.11E-37	0.008	0.023	0.740	0.043	164.520	TRUE	7.66E-36
COPD in ever smokers	TPCN2	cg01403660	rs67943767	T	C	-0.309	0.054	0.052	9.54E-09	-0.056	0.035	0.116	0.009	32.916	TRUE	7.23E-08
COPD in ever smokers	TPCN2	cg01403660	rs7102758	G	A	-0.180	0.024	0.481	2.03E-14	-0.009	0.015	0.568	0.016	58.473	TRUE	1.14E-13
COPD in ever smokers	TPCN2	cg01403660	rs72940444	T	G	0.414	0.052	0.058	1.07E-15	0.020	0.030	0.502	0.017	64.257	TRUE	7.98E-15
COPD in ever smokers	TPCN2	cg01403660	rs75840048	T	C	0.534	0.068	0.030	3.61E-15	0.007	0.040	0.864	0.016	61.867	TRUE	1.32E-14
COPD in ever smokers	TPCN2	cg01403660	rs7932947	C	A	0.820	0.020	0.498	<1E-200	-0.003	0.015	0.862	0.308	1644.445	TRUE	4.35E-307
COPD in ever smokers	TPCN2	cg01993067	rs1004989	A	G	-0.243	0.041	0.101	2.16E-09	-0.006	0.025	0.810	0.010	35.808	TRUE	4.93E-09
COPD in ever smokers	TPCN2	cg01993067	rs117940236	G	A	-0.234	0.037	0.117	1.60E-10	-0.012	0.023	0.586	0.011	40.884	TRUE	5.60E-10
COPD in ever smokers	TPCN2	cg01993067	rs56005939	A	G	0.151	0.024	0.369	5.70E-10	-0.019	0.016	0.213	0.010	38.400	TRUE	3.85E-09
COPD in ever smokers	TPCN2	cg01993067	rs7116054	T	C	-0.295	0.029	0.200	3.46E-24	0.004	0.019	0.818	0.027	102.881	TRUE	3.57E-23
COPD in ever smokers	TPCN2	cg01993067	rs72932523	A	G	0.518	0.042	0.085	4.89E-35	0.019	0.025	0.453	0.040	152.434	TRUE	5.45E-33
COPD in ever smokers	TPCN2	cg02584610	rs1004989	A	G	-0.233	0.040	0.101	5.97E-09	-0.006	0.025	0.810	0.009	33.826	TRUE	1.31E-08
COPD in ever smokers	TPCN2	cg02584610	rs1108714	A	G	0.140	0.025	0.322	1.53E-08	-0.025	0.016	0.125	0.009	31.996	TRUE	1.08E-07
COPD in ever smokers	TPCN2	cg02584610	rs12417953	A	G	0.138	0.023	0.461	2.83E-09	-0.009	0.015	0.536	0.009	35.276	TRUE	9.31E-09
COPD in ever smokers	TPCN2	cg02584610	rs58950526	G	T	0.349	0.023	0.473	3.84E-52	0.000	0.015	0.986	0.059	230.749	TRUE	1.07E-49
COPD in ever smokers	TPCN2	cg06837675	rs7925986	T	C	-0.144	0.026	0.261	3.54E-08	0.040	0.017	0.019	0.008	30.371	TRUE	4.78E-07
COPD in ever smokers	TPCN2	cg12152352	rs1017641	C	T	0.154	0.024	0.374	1.21E-10	-0.027	0.015	0.079	0.011	41.432	TRUE	1.54E-09
COPD in ever smokers	TPCN2	cg12152352	rs11228589	A	G	-0.236	0.032	0.173	1.41E-13	-0.023	0.020	0.247	0.015	54.657	TRUE	1.47E-12
COPD in ever smokers	TPCN2	cg12152352	rs117940236	G	A	-0.289	0.037	0.117	2.63E-15	-0.012	0.023	0.586	0.017	62.493	TRUE	1.58E-14
COPD in ever smokers	TPCN2	cg12152352	rs12270146	G	A	-0.228	0.028	0.229	2.69E-16	-0.032	0.018	0.068	0.018	66.980	TRUE	9.94E-15
COPD in ever smokers	TPCN2	cg12152352	rs3019776	A	G	0.417	0.053	0.120	1.98E-15	-0.010	0.026	0.693	0.017	63.051	TRUE	9.92E-15
COPD in ever smokers	TPCN2	cg12152352	rs56005939	A	G	0.243	0.024	0.369	1.13E-23	-0.019	0.016	0.213	0.026	100.538	TRUE	5.81E-22
COPD in ever smokers	TPCN2	cg12152352	rs7116054	T	C	-0.302	0.029	0.200	2.37E-25	0.004	0.019	0.818	0.028	108.188	TRUE	2.80E-24
COPD in ever smokers	TPCN2	cg12152352	rs72932540	G	A	0.361	0.042	0.086	1.30E-17	0.016	0.025	0.534	0.019	72.950	TRUE	1.14E-16
COPD in ever smokers	TPCN2	cg12152352	rs79481933	A	G	-0.453	0.065	0.078	2.23E-12	0.014	0.029	0.627	0.013	49.242	TRUE	9.00E-12
COPD in ever smokers	TPCN2	cg16000022	rs1005858	C	T	-0.462	0.023	0.483	9.79E-90	0.000	0.015	0.988	0.098	403.230	TRUE	2.87E-84
COPD in ever smokers	TPCN2	cg16000022	rs117940236	G	A	0.215	0.037	0.117	4.25E-09	-0.012	0.023	0.586	0.009	34.489	TRUE	1.27E-08
COPD in ever smokers	TPCN2	cg16000022	rs12417953	A	G	-0.279	0.023	0.461	5.79E-33	-0.009	0.015	0.536	0.037	142.954	TRUE	3.69E-31
COPD in ever smokers	TPCN2	cg16000022	rs3019776	A	G	-0.399	0.053	0.120	3.05E-14	-0.010	0.026	0.693	0.015	57.668	TRUE	1.35E-13
COPD in ever smokers	TPCN2	cg16000022	rs668576	G	A	0.179	0.026	0.297	2.69E-12	-0.041	0.016	0.012	0.013	48.876	TRUE	1.06E-10

COPD in ever smokers	TPCN2	cg16000022	rs67943767	T	C	0.294	0.054	0.052	4.98E-08	-0.056	0.035	0.116	0.008	29.708	TRUE	3.33E-07
COPD in ever smokers	TPCN2	cg16000022	rs930788	T	C	0.168	0.023	0.437	5.83E-13	0.009	0.015	0.544	0.014	51.874	TRUE	2.89E-12
COPD in ever smokers	TPCN2	cg16709353	rs1004989	A	G	0.279	0.041	0.101	6.12E-12	-0.006	0.025	0.810	0.013	47.266	TRUE	1.78E-11
COPD in ever smokers	TPCN2	cg16709353	rs11601194	G	A	0.487	0.069	0.031	1.83E-12	0.013	0.042	0.751	0.013	49.630	TRUE	6.12E-12
COPD in ever smokers	TPCN2	cg16709353	rs117940236	G	A	0.319	0.037	0.117	2.24E-18	-0.012	0.023	0.586	0.020	76.426	TRUE	1.92E-17
COPD in ever smokers	TPCN2	cg16709353	rs12270146	G	A	0.236	0.028	0.229	2.42E-17	-0.032	0.018	0.068	0.019	71.729	TRUE	1.07E-15
COPD in ever smokers	TPCN2	cg16709353	rs12577751	T	C	-0.477	0.066	0.030	4.24E-13	0.006	0.040	0.887	0.014	52.502	TRUE	1.22E-12
COPD in ever smokers	TPCN2	cg16709353	rs3019776	A	G	-0.383	0.053	0.120	3.19E-13	-0.010	0.026	0.693	0.014	53.059	TRUE	1.26E-12
COPD in ever smokers	TPCN2	cg16709353	rs4930652	G	A	-0.739	0.021	0.482	7.29E-279	0.000	0.015	0.979	0.256	1272.578	TRUE	1.05E-244
COPD in ever smokers	TPCN2	cg16709353	rs56005939	A	G	-0.189	0.024	0.369	7.95E-15	-0.019	0.016	0.213	0.016	60.316	TRUE	1.10E-13
COPD in ever smokers	TPCN2	cg16709353	rs67943767	T	C	0.379	0.054	0.052	1.78E-12	-0.056	0.035	0.116	0.013	49.683	TRUE	2.54E-11
COPD in ever smokers	TPCN2	cg16709353	rs7116054	T	C	0.378	0.029	0.200	7.49E-39	0.004	0.019	0.818	0.044	169.883	TRUE	4.90E-37
COPD in ever smokers	TPCN2	cg16709353	rs72932540	G	A	-0.442	0.042	0.086	9.87E-26	0.016	0.025	0.534	0.029	109.926	TRUE	2.39E-24
COPD in ever smokers	TPCN2	cg16709353	rs7940105	A	G	0.170	0.026	0.275	1.21E-10	-0.042	0.017	0.016	0.011	41.429	TRUE	3.03E-09
COPD in ever smokers	TPCN2	cg16709353	rs79481933	A	G	0.464	0.065	0.078	6.77E-13	0.014	0.029	0.627	0.014	51.583	TRUE	2.89E-12
COPD in ever smokers	TPCN2	cg17467664	rs3019751	C	T	0.166	0.023	0.494	5.53E-13	-0.005	0.015	0.715	0.014	51.978	TRUE	2.06E-12
COPD in ever smokers	TPCN2	cg17467664	rs3019757	G	A	-0.146	0.025	0.327	3.04E-09	-0.002	0.016	0.920	0.009	35.136	TRUE	5.96E-09
COPD in ever smokers	TPCN2	cg20256574	rs11828017	G	A	-0.156	0.025	0.337	1.85E-10	-0.009	0.016	0.601	0.011	40.598	TRUE	6.30E-10
COPD in ever smokers	TPCN2	cg22484980	rs67321931	A	C	0.175	0.026	0.274	1.67E-11	-0.020	0.017	0.228	0.012	45.296	TRUE	1.36E-10
COPD in ever smokers	TPCN2	cg23247191	rs657157	A	G	-0.141	0.026	0.298	4.08E-08	0.026	0.016	0.105	0.008	30.093	TRUE	2.89E-07
COPD in ever smokers	TPCN2	cg26433582	rs55814684	C	T	0.165	0.026	0.295	1.31E-10	0.014	0.016	0.385	0.011	41.271	TRUE	6.54E-10
COPD in ever smokers	TRAPPC2L	cg07364608	rs143200032	T	C	-0.622	0.092	0.020	1.51E-11	-0.022	0.045	0.623	0.012	45.493	TRUE	5.60E-11
COPD in ever smokers	TRIM27	cg00259404	rs11752815	G	A	-0.250	0.043	0.080	4.96E-09	0.010	0.026	0.695	0.009	34.188	TRUE	1.27E-08
COPD in ever smokers	TRIM27	cg00259404	rs209140	A	G	-0.277	0.026	0.247	8.39E-26	-0.016	0.017	0.322	0.029	110.249	TRUE	3.84E-24
COPD in ever smokers	TRIM27	cg01928896	rs3135321	G	A	0.162	0.023	0.491	3.99E-12	0.042	0.015	0.005	0.013	48.102	TRUE	2.15E-10
COPD in ever smokers	TRIM27	cg02465979	rs116042790	T	C	-1.572	0.112	0.011	6.22E-45	0.043	0.073	0.553	0.051	197.721	TRUE	2.23E-42
COPD in ever smokers	TRIM27	cg02465979	rs140396177	G	A	-0.805	0.090	0.014	4.86E-19	0.073	0.054	0.179	0.021	79.443	TRUE	1.44E-17
COPD in ever smokers	TRIM27	cg02639080	rs113000237	A	G	-0.553	0.041	0.083	2.25E-41	0.007	0.026	0.788	0.047	181.428	TRUE	2.28E-39
COPD in ever smokers	TRIM27	cg02639080	rs114357009	A	G	-0.556	0.052	0.048	6.73E-27	-0.015	0.034	0.656	0.030	115.247	TRUE	1.39E-25
COPD in ever smokers	TRIM27	cg02639080	rs1233387	T	C	-0.225	0.027	0.230	3.06E-16	-0.026	0.018	0.145	0.018	66.729	TRUE	6.91E-15
COPD in ever smokers	TRIM27	cg02639080	rs16894128	G	A	0.223	0.035	0.131	1.78E-10	-0.031	0.022	0.170	0.011	40.673	TRUE	1.48E-09
COPD in ever smokers	TRIM27	cg02639080	rs2859379	T	C	-0.444	0.068	0.027	6.26E-11	0.059	0.040	0.141	0.011	42.715	TRUE	6.21E-10
COPD in ever smokers	TRIM27	cg02639080	rs3129791	A	G	0.401	0.037	0.115	9.13E-28	0.107	0.023	2.00E-06	0.031	119.208	TRUE	3.63E-23
COPD in ever smokers	TRIM27	cg02639080	rs35604709	A	G	-0.528	0.048	0.062	1.22E-28	-0.080	0.032	0.012	0.032	123.205	TRUE	1.25E-25
COPD in ever smokers	TRIM27	cg02639080	rs4084097	C	T	-0.261	0.046	0.068	1.98E-08	-0.123	0.032	1.16E-04	0.008	31.493	TRUE	1.05E-06
COPD in ever smokers	TRIM27	cg02639080	rs7750106	A	C	-0.362	0.055	0.046	6.99E-11	-0.014	0.036	0.699	0.011	42.498	TRUE	2.15E-10
COPD in ever smokers	TRIM27	cg03246690	rs115493717	A	G	-0.535	0.096	0.016	2.30E-08	-0.029	0.065	0.653	0.008	31.205	TRUE	5.81E-08
COPD in ever smokers	TRIM27	cg03270340	rs1233387	T	C	0.152	0.028	0.230	3.28E-08	-0.026	0.018	0.145	0.008	30.519	TRUE	2.04E-07
COPD in ever smokers	TRIM27	cg03270340	rs2531805	C	T	0.228	0.023	0.486	1.78E-22	-0.042	0.015	0.005	0.025	95.085	TRUE	8.41E-20
COPD in ever smokers	TRIM27	cg03270340	rs3094574	A	G	0.193	0.024	0.437	4.42E-16	-0.037	0.015	0.014	0.018	66.003	TRUE	3.52E-14
COPD in ever smokers	TRIM27	cg03270340	rs3128871	C	T	0.181	0.027	0.257	1.91E-11	-0.027	0.018	0.134	0.012	45.033	TRUE	2.12E-10
COPD in ever smokers	TRIM27	cg03270340	rs3129791	A	G	-1.059	0.035	0.115	2.87E-204	0.107	0.023	2.00E-06	0.201	929.556	TRUE	4.27E-174

COPD in ever smokers	TRIM27	cg03270340	rs9257572	T	G	-0.279	0.024	0.426	1.91E-32	0.049	0.015	0.001	0.037	140.579	TRUE	1.68E-28
COPD in ever smokers	TRIM27	cg05216056	rs115451991	A	C	-0.829	0.110	0.013	4.66E-14	0.019	0.075	0.799	0.015	56.838	TRUE	1.69E-13
COPD in ever smokers	TRIM27	cg05216056	rs115537782	A	G	-0.841	0.101	0.013	6.18E-17	-0.025	0.056	0.655	0.019	69.880	TRUE	3.92E-16
COPD in ever smokers	TRIM27	cg05216056	rs172164	G	A	-0.401	0.055	0.042	2.90E-13	0.043	0.033	0.194	0.014	53.244	TRUE	3.41E-12
COPD in ever smokers	TRIM27	cg05216056	rs202145819	G	A	-0.523	0.094	0.018	2.41E-08	-0.086	0.060	0.149	0.008	31.115	TRUE	1.51E-07
COPD in ever smokers	TRIM27	cg05216056	rs209140	A	G	-0.927	0.023	0.247	<1E-200	-0.016	0.017	0.322	0.310	1663.720	TRUE	4.93E-308
COPD in ever smokers	TRIM27	cg05216056	rs213231	T	G	-0.530	0.052	0.051	5.96E-24	-0.016	0.034	0.630	0.027	101.806	TRUE	9.08E-23
COPD in ever smokers	TRIM27	cg05216056	rs2253518	G	A	0.253	0.032	0.157	4.41E-15	0.004	0.021	0.864	0.016	61.476	TRUE	1.59E-14
COPD in ever smokers	TRIM27	cg05216056	rs2859379	T	C	-0.552	0.068	0.027	4.43E-16	0.059	0.040	0.141	0.018	66.000	TRUE	9.97E-15
COPD in ever smokers	TRIM27	cg05216056	rs35604709	A	G	-0.588	0.047	0.062	3.17E-35	-0.080	0.032	0.012	0.040	153.296	TRUE	1.20E-31
COPD in ever smokers	TRIM27	cg05216056	rs36050447	T	C	-0.615	0.076	0.025	8.66E-16	-0.031	0.043	0.467	0.017	64.678	TRUE	7.02E-15
COPD in ever smokers	TRIM27	cg05216056	rs388017	T	C	0.375	0.063	0.035	2.52E-09	-0.100	0.042	0.018	0.010	35.503	TRUE	4.47E-08
COPD in ever smokers	TRIM27	cg05216056	rs4947263	T	C	0.490	0.036	0.118	1.15E-41	0.104	0.022	3.72E-06	0.047	182.771	TRUE	1.42E-35
COPD in ever smokers	TRIM27	cg05216056	rs55740552	G	T	-0.613	0.048	0.060	1.46E-37	-0.015	0.032	0.635	0.042	163.981	TRUE	1.33E-35
COPD in ever smokers	TRIM27	cg05216056	rs6933976	A	G	-0.354	0.028	0.223	6.02E-37	-0.003	0.018	0.864	0.042	161.169	TRUE	2.69E-35
COPD in ever smokers	TRIM27	cg05216056	rs73396583	C	T	-0.651	0.038	0.097	8.91E-67	0.022	0.024	0.354	0.075	297.856	TRUE	3.62E-62
COPD in ever smokers	TRIM27	cg05216056	rs75524239	C	T	-0.277	0.038	0.104	5.68E-13	-0.074	0.026	0.004	0.014	51.926	TRUE	3.75E-11
COPD in ever smokers	TRIM27	cg05314350	rs1535039	C	T	0.212	0.036	0.118	5.32E-09	0.106	0.022	1.93E-06	0.009	34.049	TRUE	7.43E-07
COPD in ever smokers	TRIM27	cg07162905	rs1029328	C	T	0.194	0.034	0.135	1.46E-08	-0.030	0.022	0.181	0.009	32.094	TRUE	8.61E-08
COPD in ever smokers	TRIM27	cg07162905	rs1233388	G	A	-0.209	0.030	0.183	1.85E-12	-0.024	0.019	0.198	0.013	49.613	TRUE	1.90E-11
COPD in ever smokers	TRIM27	cg07162905	rs209139	A	C	-0.490	0.049	0.057	6.37E-24	-0.021	0.032	0.510	0.027	101.672	TRUE	1.30E-22
COPD in ever smokers	TRIM27	cg07162905	rs213232	G	A	-0.144	0.024	0.381	2.52E-09	0.061	0.015	5.81E-05	0.010	35.503	TRUE	2.06E-07
COPD in ever smokers	TRIM27	cg07162905	rs2253518	G	A	0.212	0.032	0.157	4.48E-11	0.004	0.021	0.864	0.012	43.367	TRUE	1.11E-10
COPD in ever smokers	TRIM27	cg07162905	rs2859379	T	C	-0.449	0.068	0.027	3.64E-11	0.059	0.040	0.141	0.012	43.773	TRUE	3.76E-10
COPD in ever smokers	TRIM27	cg07162905	rs35604709	A	G	-0.357	0.048	0.062	6.76E-14	-0.080	0.032	0.012	0.015	56.108	TRUE	3.71E-12
COPD in ever smokers	TRIM27	cg07162905	rs79130209	A	G	-0.471	0.066	0.030	1.16E-12	0.057	0.039	0.142	0.013	50.532	TRUE	1.51E-11
COPD in ever smokers	TRIM27	cg08125020	rs2859379	T	C	-0.371	0.068	0.027	3.94E-08	0.059	0.040	0.141	0.008	30.163	TRUE	2.45E-07
COPD in ever smokers	TRIM27	cg08125020	rs35604709	A	G	-0.333	0.048	0.062	2.59E-12	-0.080	0.032	0.012	0.013	48.947	TRUE	1.02E-10
COPD in ever smokers	TRIM27	cg08125020	rs388017	T	C	0.350	0.062	0.035	2.02E-08	-0.100	0.042	0.018	0.008	31.455	TRUE	2.93E-07
COPD in ever smokers	TRIM27	cg08125020	rs55740552	G	T	-0.289	0.048	0.060	1.80E-09	-0.015	0.032	0.635	0.010	36.161	TRUE	5.23E-09
COPD in ever smokers	TRIM27	cg08125020	rs67998226	C	T	0.243	0.037	0.113	3.03E-11	0.106	0.023	3.61E-06	0.012	44.133	TRUE	8.24E-09
COPD in ever smokers	TRIM27	cg08125020	rs6933976	A	G	-0.197	0.028	0.223	1.73E-12	-0.003	0.018	0.864	0.013	49.746	TRUE	4.88E-12
COPD in ever smokers	TRIM27	cg08125020	rs7742858	T	C	-0.375	0.041	0.083	1.06E-19	0.003	0.026	0.894	0.022	82.449	TRUE	5.76E-19
COPD in ever smokers	TRIM27	cg09292581	rs3129793	A	G	-0.127	0.023	0.490	3.68E-08	0.041	0.015	0.006	0.008	30.297	TRUE	7.07E-07
COPD in ever smokers	TRIM27	cg09409585	rs113000237	A	G	-0.365	0.041	0.083	9.36E-19	0.007	0.026	0.788	0.021	78.147	TRUE	5.63E-18
COPD in ever smokers	TRIM27	cg09409585	rs114357009	A	G	-0.328	0.052	0.048	3.02E-10	-0.015	0.034	0.656	0.011	39.640	TRUE	9.26E-10
COPD in ever smokers	TRIM27	cg09409585	rs2253518	G	A	0.212	0.032	0.157	4.70E-11	0.004	0.021	0.864	0.012	43.276	TRUE	1.16E-10
COPD in ever smokers	TRIM27	cg09409585	rs35403242	A	G	-0.348	0.048	0.063	2.57E-13	-0.080	0.032	0.012	0.014	53.482	TRUE	1.25E-11
COPD in ever smokers	TRIM27	cg09409585	rs6904975	A	G	-0.421	0.024	0.364	4.81E-71	-0.006	0.015	0.691	0.079	317.434	TRUE	1.00E-66
COPD in ever smokers	TRIM27	cg09855662	rs13437444	T	C	-0.199	0.029	0.213	7.23E-12	0.065	0.018	2.91E-04	0.013	46.939	TRUE	8.48E-10
COPD in ever smokers	TRIM27	cg09855662	rs3128871	C	T	0.158	0.027	0.257	5.26E-09	-0.027	0.018	0.134	0.009	34.073	TRUE	3.89E-08
COPD in ever smokers	TRIM27	cg09855662	rs35560946	T	C	-0.306	0.025	0.303	1.64E-33	0.054	0.016	6.53E-04	0.038	145.460	TRUE	2.46E-29

COPD in ever smokers	TRIM27	cg09855662	rs6904975	A	G	-0.163	0.024	0.364	1.42E-11	-0.006	0.015	0.691	0.012	45.620	TRUE	4.74E-11
COPD in ever smokers	TRIM27	cg10401017	rs1029328	C	T	0.262	0.034	0.135	2.01E-14	-0.030	0.022	0.181	0.016	58.494	TRUE	2.94E-13
COPD in ever smokers	TRIM27	cg10401017	rs115451991	A	C	-0.928	0.110	0.013	2.84E-17	0.019	0.075	0.799	0.019	71.411	TRUE	1.43E-16
COPD in ever smokers	TRIM27	cg10401017	rs115537782	A	G	-0.876	0.101	0.013	3.03E-18	-0.025	0.056	0.655	0.020	75.827	TRUE	2.23E-17
COPD in ever smokers	TRIM27	cg10401017	rs202145819	G	A	-0.555	0.094	0.018	3.11E-09	-0.086	0.060	0.149	0.009	35.093	TRUE	2.27E-08
COPD in ever smokers	TRIM27	cg10401017	rs209140	A	G	-1.063	0.020	0.247	<1E-200	-0.016	0.017	0.322	0.434	2835.038	TRUE	<1E-200
COPD in ever smokers	TRIM27	cg10401017	rs213231	T	G	-0.656	0.052	0.051	4.91E-36	-0.016	0.034	0.630	0.041	156.997	TRUE	3.67E-34
COPD in ever smokers	TRIM27	cg10401017	rs2253518	G	A	0.291	0.032	0.157	1.46E-19	0.004	0.021	0.864	0.022	81.813	TRUE	8.29E-19
COPD in ever smokers	TRIM27	cg10401017	rs2859379	T	C	-0.658	0.068	0.027	2.63E-22	0.059	0.040	0.141	0.025	94.307	TRUE	1.58E-20
COPD in ever smokers	TRIM27	cg10401017	rs3135316	G	A	0.493	0.037	0.116	1.97E-41	0.106	0.023	2.75E-06	0.047	181.696	TRUE	2.61E-35
COPD in ever smokers	TRIM27	cg10401017	rs35604709	A	G	-0.721	0.047	0.062	1.07E-52	-0.080	0.032	0.012	0.059	233.297	TRUE	1.49E-47
COPD in ever smokers	TRIM27	cg10401017	rs36050447	T	C	-0.669	0.076	0.025	1.79E-18	-0.031	0.043	0.467	0.020	76.863	TRUE	2.03E-17
COPD in ever smokers	TRIM27	cg10401017	rs388017	T	C	0.424	0.063	0.035	1.48E-11	-0.100	0.042	0.018	0.012	45.530	TRUE	4.24E-10
COPD in ever smokers	TRIM27	cg10401017	rs55740552	G	T	-0.663	0.048	0.060	8.20E-44	-0.015	0.032	0.635	0.049	192.593	TRUE	1.88E-41
COPD in ever smokers	TRIM27	cg10401017	rs62401446	A	G	-0.581	0.092	0.019	3.13E-10	-0.042	0.054	0.439	0.011	39.573	TRUE	1.35E-09
COPD in ever smokers	TRIM27	cg10401017	rs6933976	A	G	-0.397	0.028	0.223	2.78E-46	-0.003	0.018	0.864	0.052	203.906	TRUE	4.62E-44
COPD in ever smokers	TRIM27	cg10401017	rs72846802	G	A	0.306	0.053	0.058	9.83E-09	0.017	0.032	0.596	0.009	32.858	TRUE	2.79E-08
COPD in ever smokers	TRIM27	cg10401017	rs73396583	C	T	-0.759	0.037	0.097	2.73E-91	0.022	0.024	0.354	0.100	410.368	TRUE	2.20E-84
COPD in ever smokers	TRIM27	cg10401017	rs75524239	C	T	-0.320	0.038	0.104	7.96E-17	-0.074	0.026	0.004	0.018	69.382	TRUE	1.24E-14
COPD in ever smokers	TRIM27	cg10401017	rs9348782	A	G	-0.438	0.051	0.050	1.54E-17	0.033	0.032	0.303	0.019	72.622	TRUE	2.36E-16
COPD in ever smokers	TRIM27	cg10718056	rs16893552	A	G	-0.256	0.042	0.079	1.41E-09	0.013	0.026	0.619	0.010	36.638	TRUE	4.24E-09
COPD in ever smokers	TRIM27	cg10718056	rs35604709	A	G	-0.293	0.047	0.062	5.09E-10	-0.080	0.032	0.012	0.010	38.623	TRUE	1.21E-08
COPD in ever smokers	TRIM27	cg10718056	rs6933976	A	G	-0.172	0.028	0.223	5.45E-10	-0.003	0.018	0.864	0.010	38.489	TRUE	1.22E-09
COPD in ever smokers	TRIM27	cg11073024	rs1029328	C	T	-0.297	0.034	0.135	3.36E-18	-0.030	0.022	0.181	0.020	75.627	TRUE	8.71E-17
COPD in ever smokers	TRIM27	cg11073024	rs115486666	A	C	-0.516	0.076	0.027	1.06E-11	0.001	0.044	0.987	0.012	46.188	TRUE	2.34E-11
COPD in ever smokers	TRIM27	cg11073024	rs149952	T	C	0.331	0.051	0.047	1.27E-10	0.045	0.032	0.158	0.011	41.325	TRUE	1.13E-09
COPD in ever smokers	TRIM27	cg11073024	rs1794587	C	A	0.730	0.022	0.491	4.15E-246	0.045	0.015	0.002	0.233	1121.943	TRUE	1.65E-211
COPD in ever smokers	TRIM27	cg11073024	rs2071966	G	T	0.363	0.041	0.086	8.98E-19	-0.044	0.027	0.099	0.021	78.229	TRUE	3.96E-17
COPD in ever smokers	TRIM27	cg11073024	rs2074466	A	C	0.273	0.033	0.147	1.01E-16	-0.010	0.021	0.648	0.018	68.918	TRUE	6.33E-16
COPD in ever smokers	TRIM27	cg11073024	rs2232428	T	C	0.464	0.036	0.105	5.19E-37	0.026	0.023	0.255	0.042	161.464	TRUE	1.73E-34
COPD in ever smokers	TRIM27	cg11073024	rs2253518	G	A	-0.275	0.032	0.157	1.14E-17	0.004	0.021	0.864	0.019	73.208	TRUE	5.33E-17
COPD in ever smokers	TRIM27	cg11073024	rs2523422	A	G	-0.254	0.027	0.252	9.96E-21	-0.017	0.017	0.325	0.023	87.123	TRUE	2.22E-19
COPD in ever smokers	TRIM27	cg11073024	rs6920512	G	A	-0.286	0.045	0.070	1.41E-10	-0.047	0.029	0.100	0.011	41.128	TRUE	1.58E-09
COPD in ever smokers	TRIM27	cg11073024	rs72831442	G	A	0.259	0.044	0.072	5.31E-09	-0.120	0.031	1.03E-04	0.009	34.053	TRUE	3.46E-07
COPD in ever smokers	TRIM27	cg11073024	rs9257331	A	G	0.399	0.037	0.114	2.57E-27	0.107	0.023	2.50E-06	0.031	117.154	TRUE	8.39E-23
COPD in ever smokers	TRIM27	cg11073024	rs9257448	G	A	0.381	0.047	0.068	5.19E-16	-0.050	0.029	0.087	0.017	65.689	TRUE	1.58E-14
COPD in ever smokers	TRIM27	cg11886965	rs1029328	C	T	0.193	0.034	0.135	1.76E-08	-0.030	0.022	0.181	0.009	31.729	TRUE	1.03E-07
COPD in ever smokers	TRIM27	cg11886965	rs114289137	A	C	-0.432	0.066	0.030	6.73E-11	0.064	0.038	0.094	0.011	42.573	TRUE	8.21E-10
COPD in ever smokers	TRIM27	cg11886965	rs116042790	T	C	0.851	0.113	0.011	5.86E-14	0.043	0.073	0.553	0.015	56.386	TRUE	3.21E-13
COPD in ever smokers	TRIM27	cg11886965	rs209139	A	C	-0.506	0.049	0.057	2.57E-25	-0.021	0.032	0.510	0.028	108.030	TRUE	6.27E-24
COPD in ever smokers	TRIM27	cg11886965	rs2253518	G	A	0.238	0.032	0.157	1.71E-13	0.004	0.021	0.864	0.014	54.278	TRUE	5.31E-13
COPD in ever smokers	TRIM27	cg11886965	rs2859379	T	C	-0.388	0.068	0.027	1.17E-08	0.059	0.040	0.141	0.009	32.523	TRUE	7.96E-08

COPD in ever smokers	TRIM27	cg11886965	rs56299902	G	A	-0.551	0.061	0.035	2.96E-19	-0.096	0.043	0.027	0.021	80.420	TRUE	3.15E-17
COPD in ever smokers	TRIM27	cg11886965	rs731132	G	T	0.156	0.025	0.392	1.85E-10	-0.030	0.015	0.052	0.011	40.594	TRUE	2.75E-09
COPD in ever smokers	TRIM27	cg11886965	rs80210770	T	G	-0.260	0.024	0.388	1.63E-27	0.050	0.015	0.001	0.031	118.055	TRUE	4.58E-24
COPD in ever smokers	TRIM27	cg11886965	rs9283885	A	G	-0.210	0.028	0.213	1.38E-13	0.003	0.018	0.861	0.015	54.709	TRUE	4.33E-13
COPD in ever smokers	TRIM27	cg12896170	rs1029328	C	T	0.215	0.034	0.135	3.67E-10	-0.030	0.022	0.181	0.011	39.259	TRUE	2.80E-09
COPD in ever smokers	TRIM27	cg12896170	rs114124258	T	C	-0.511	0.065	0.031	2.97E-15	0.050	0.038	0.186	0.017	62.250	TRUE	4.84E-14
COPD in ever smokers	TRIM27	cg12896170	rs1233387	T	C	-0.230	0.027	0.230	6.62E-17	-0.026	0.018	0.145	0.019	69.747	TRUE	1.66E-15
COPD in ever smokers	TRIM27	cg12896170	rs209139	A	C	-0.509	0.049	0.057	1.46E-25	-0.021	0.032	0.510	0.029	109.145	TRUE	3.69E-24
COPD in ever smokers	TRIM27	cg12896170	rs2253518	G	A	0.219	0.032	0.157	1.12E-11	0.004	0.021	0.864	0.012	46.086	TRUE	2.92E-11
COPD in ever smokers	TRIM27	cg12896170	rs3135316	G	A	0.261	0.037	0.116	1.63E-12	0.106	0.023	2.75E-06	0.013	49.858	TRUE	7.12E-10
COPD in ever smokers	TRIM27	cg12896170	rs35604709	A	G	-0.488	0.048	0.062	1.14E-24	-0.080	0.032	0.012	0.028	105.077	TRUE	5.40E-22
COPD in ever smokers	TRIM27	cg12896170	rs77983937	G	A	-0.473	0.066	0.031	1.13E-12	-0.038	0.042	0.377	0.013	50.571	TRUE	7.52E-12
COPD in ever smokers	TRIM27	cg13060704	rs6904975	A	G	-0.221	0.024	0.364	4.72E-20	-0.006	0.015	0.691	0.022	84.046	TRUE	3.97E-19
COPD in ever smokers	TRIM27	cg14059339	rs55740552	G	T	-0.282	0.048	0.060	3.30E-09	-0.015	0.032	0.635	0.009	34.977	TRUE	9.35E-09
COPD in ever smokers	TRIM27	cg15613012	rs113000237	A	G	-0.257	0.041	0.083	5.49E-10	0.007	0.026	0.788	0.010	38.475	TRUE	1.36E-09
COPD in ever smokers	TRIM27	cg15613012	rs114357009	A	G	-0.288	0.052	0.048	3.13E-08	-0.015	0.034	0.656	0.008	30.608	TRUE	7.77E-08
COPD in ever smokers	TRIM27	cg15613012	rs35604709	A	G	-0.384	0.048	0.062	6.46E-16	-0.080	0.032	0.012	0.017	65.257	TRUE	5.37E-14
COPD in ever smokers	TRIM27	cg16061301	rs113000237	A	G	-0.367	0.041	0.083	6.40E-19	0.007	0.026	0.788	0.021	78.898	TRUE	3.92E-18
COPD in ever smokers	TRIM27	cg16061301	rs114357009	A	G	-0.450	0.052	0.048	4.43E-18	-0.015	0.034	0.656	0.020	75.081	TRUE	3.19E-17
COPD in ever smokers	TRIM27	cg16061301	rs1233387	T	C	-0.161	0.028	0.230	4.84E-09	-0.026	0.018	0.145	0.009	34.236	TRUE	3.46E-08
COPD in ever smokers	TRIM27	cg16061301	rs13437444	T	C	0.282	0.029	0.213	2.04E-22	0.065	0.018	2.91E-04	0.025	94.815	TRUE	3.41E-19
COPD in ever smokers	TRIM27	cg16061301	rs35604709	A	G	-0.410	0.048	0.062	6.92E-18	-0.080	0.032	0.012	0.020	74.200	TRUE	8.57E-16
COPD in ever smokers	TRIM27	cg16061301	rs6936343	T	C	0.243	0.042	0.092	5.29E-09	0.041	0.025	0.110	0.009	34.061	TRUE	4.31E-08
COPD in ever smokers	TRIM27	cg16754082	rs13437444	T	C	0.207	0.029	0.213	1.16E-12	0.065	0.018	2.91E-04	0.013	50.523	TRUE	1.69E-10
COPD in ever smokers	TRIM27	cg16754082	rs209140	A	G	-0.505	0.026	0.247	3.04E-84	-0.016	0.017	0.322	0.093	378.012	TRUE	5.97E-78
COPD in ever smokers	TRIM27	cg16754082	rs55740552	G	T	-0.263	0.048	0.060	4.96E-08	-0.015	0.032	0.635	0.008	29.715	TRUE	1.24E-07
COPD in ever smokers	TRIM27	cg16754082	rs56299902	G	A	-0.481	0.061	0.035	5.54E-15	-0.096	0.043	0.027	0.016	61.027	TRUE	2.63E-13
COPD in ever smokers	TRIM27	cg16754082	rs73396583	C	T	-0.253	0.038	0.097	4.39E-11	0.022	0.024	0.354	0.012	43.409	TRUE	2.48E-10
COPD in ever smokers	TRIM27	cg17666981	rs115196926	T	C	0.485	0.043	0.082	6.79E-29	0.040	0.027	0.143	0.033	124.362	TRUE	1.15E-26
COPD in ever smokers	TRIM27	cg17666981	rs115486666	A	C	0.494	0.076	0.027	8.24E-11	0.001	0.044	0.987	0.011	42.178	TRUE	1.68E-10
COPD in ever smokers	TRIM27	cg17666981	rs149957	T	G	-0.579	0.045	0.062	7.28E-38	0.020	0.028	0.458	0.043	165.366	TRUE	1.21E-35
COPD in ever smokers	TRIM27	cg17666981	rs16894128	G	A	0.460	0.035	0.131	3.48E-40	-0.031	0.022	0.170	0.045	175.982	TRUE	3.22E-37
COPD in ever smokers	TRIM27	cg17666981	rs184654684	G	A	0.432	0.079	0.025	4.06E-08	-0.014	0.047	0.765	0.008	30.105	TRUE	8.70E-08
COPD in ever smokers	TRIM27	cg17666981	rs3117193	T	C	0.279	0.024	0.394	1.33E-30	-0.035	0.015	0.023	0.034	132.167	TRUE	1.31E-27
COPD in ever smokers	TRIM27	cg17666981	rs3128871	C	T	0.226	0.027	0.257	5.69E-17	-0.027	0.018	0.134	0.019	70.044	TRUE	1.52E-15
COPD in ever smokers	TRIM27	cg17666981	rs3135316	G	A	-0.731	0.036	0.116	1.59E-91	0.106	0.023	2.75E-06	0.100	411.449	TRUE	2.35E-79
COPD in ever smokers	TRIM27	cg17666981	rs362521	T	C	-0.436	0.047	0.063	8.56E-21	-0.004	0.031	0.887	0.023	87.422	TRUE	5.29E-20
COPD in ever smokers	TRIM27	cg17666981	rs56295386	T	C	-0.615	0.036	0.105	5.76E-65	0.026	0.023	0.256	0.073	289.550	TRUE	2.91E-60
COPD in ever smokers	TRIM27	cg17666981	rs731132	G	T	0.242	0.024	0.392	4.62E-23	-0.030	0.015	0.052	0.026	97.752	TRUE	6.56E-21
COPD in ever smokers	TRIM27	cg17666981	rs7765791	C	T	-0.514	0.080	0.022	1.32E-10	-0.005	0.052	0.917	0.011	41.254	TRUE	2.92E-10
COPD in ever smokers	TRIM27	cg17666981	rs9257460	A	G	-0.663	0.051	0.054	4.79E-38	-0.041	0.031	0.194	0.043	166.197	TRUE	2.63E-35
COPD in ever smokers	TRIM27	cg17666981	rs9348792	T	C	0.362	0.062	0.039	6.73E-09	-0.005	0.040	0.894	0.009	33.594	TRUE	1.32E-08

COPD in ever smokers	TRIM27	cg18844029	rs114383434	C	T	-0.693	0.059	0.037	7.92E-32	0.094	0.034	0.007	0.036	137.761	TRUE	2.27E-28
COPD in ever smokers	TRIM27	cg18844029	rs115537782	A	G	-0.959	0.100	0.013	1.38E-21	-0.025	0.056	0.655	0.024	91.027	TRUE	1.50E-20
COPD in ever smokers	TRIM27	cg18844029	rs13437444	T	C	0.364	0.029	0.213	3.26E-36	0.065	0.018	2.91E-04	0.041	157.809	TRUE	1.37E-31
COPD in ever smokers	TRIM27	cg18844029	rs16894128	G	A	0.380	0.035	0.131	8.99E-28	-0.031	0.022	0.170	0.031	119.239	TRUE	1.08E-25
COPD in ever smokers	TRIM27	cg18844029	rs209139	A	C	-0.916	0.048	0.057	1.01E-81	-0.021	0.032	0.510	0.090	366.441	TRUE	4.07E-76
COPD in ever smokers	TRIM27	cg18844029	rs2859379	T	C	-0.739	0.068	0.027	9.22E-28	0.059	0.040	0.141	0.031	119.189	TRUE	1.32E-25
COPD in ever smokers	TRIM27	cg18844029	rs36050447	T	C	-0.733	0.076	0.025	6.65E-22	-0.031	0.043	0.467	0.024	92.475	TRUE	1.16E-20
COPD in ever smokers	TRIM27	cg18844029	rs388017	T	C	0.376	0.063	0.035	2.32E-09	-0.100	0.042	0.018	0.010	35.667	TRUE	4.14E-08
COPD in ever smokers	TRIM27	cg18844029	rs62401446	A	G	-0.552	0.092	0.019	2.26E-09	-0.042	0.054	0.439	0.010	35.713	TRUE	8.77E-09
COPD in ever smokers	TRIM27	cg18844029	rs6933825	G	A	-0.792	0.034	0.115	1.38E-117	0.010	0.022	0.648	0.126	531.149	TRUE	1.51E-108
COPD in ever smokers	TRIM27	cg18844029	rs72831442	G	A	-0.644	0.044	0.072	5.57E-49	-0.120	0.031	1.03E-04	0.055	216.263	TRUE	8.57E-43
COPD in ever smokers	TRIM27	cg18844029	rs9283885	A	G	-0.431	0.028	0.213	1.85E-53	0.003	0.018	0.861	0.060	236.791	TRUE	9.37E-51
COPD in ever smokers	TRIM27	cg18844029	rs9348782	A	G	-0.518	0.051	0.050	5.91E-24	0.033	0.032	0.303	0.027	101.820	TRUE	2.23E-22
COPD in ever smokers	TRIM27	cg18954047	rs62401458	A	G	-0.348	0.063	0.033	3.15E-08	-0.087	0.043	0.044	0.008	30.599	TRUE	3.22E-07
COPD in ever smokers	TRIM27	cg18954047	rs79130209	A	G	-0.374	0.066	0.030	1.31E-08	0.057	0.039	0.142	0.009	32.306	TRUE	8.77E-08
COPD in ever smokers	TRIM27	cg18954047	rs79157584	A	G	-0.363	0.054	0.048	1.45E-11	-0.005	0.034	0.877	0.012	45.570	TRUE	3.70E-11
COPD in ever smokers	TRIM27	cg18954047	rs80210770	T	G	-0.146	0.024	0.388	9.25E-10	0.050	0.015	0.001	0.010	37.457	TRUE	4.10E-08
COPD in ever smokers	TRIM27	cg19400926	rs1233387	T	C	-0.158	0.028	0.230	1.02E-08	-0.026	0.018	0.145	0.009	32.786	TRUE	6.91E-08
COPD in ever smokers	TRIM27	cg19400926	rs209139	A	C	-0.296	0.049	0.057	1.48E-09	-0.021	0.032	0.510	0.010	36.543	TRUE	5.23E-09
COPD in ever smokers	TRIM27	cg19400926	rs2859356	T	C	-0.265	0.032	0.162	6.42E-17	-0.002	0.020	0.931	0.019	69.806	TRUE	2.47E-16
COPD in ever smokers	TRIM27	cg19400926	rs3095275	A	G	0.174	0.029	0.206	2.52E-09	-0.020	0.019	0.299	0.010	35.501	TRUE	1.26E-08
COPD in ever smokers	TRIM27	cg21997109	rs1233388	G	A	0.238	0.030	0.183	1.21E-15	-0.024	0.019	0.198	0.017	64.018	TRUE	2.00E-14
COPD in ever smokers	TRIM27	cg21997109	rs149952	T	C	0.456	0.051	0.047	6.93E-19	0.045	0.032	0.158	0.021	78.740	TRUE	2.22E-17
COPD in ever smokers	TRIM27	cg21997109	rs150790220	T	C	0.326	0.059	0.045	3.19E-08	-0.002	0.036	0.956	0.008	30.574	TRUE	5.50E-08
COPD in ever smokers	TRIM27	cg21997109	rs16894128	G	A	-0.411	0.035	0.131	2.51E-32	-0.031	0.022	0.170	0.036	140.044	TRUE	6.24E-30
COPD in ever smokers	TRIM27	cg21997109	rs184654684	G	A	-0.495	0.079	0.025	3.02E-10	-0.014	0.047	0.765	0.011	39.638	TRUE	7.95E-10
COPD in ever smokers	TRIM27	cg21997109	rs2523422	A	G	-0.321	0.027	0.252	2.60E-32	-0.017	0.017	0.325	0.036	139.970	TRUE	3.07E-30
COPD in ever smokers	TRIM27	cg21997109	rs2531809	A	G	0.377	0.035	0.129	5.01E-27	0.021	0.022	0.327	0.030	115.833	TRUE	2.69E-25
COPD in ever smokers	TRIM27	cg21997109	rs35403242	A	G	0.403	0.048	0.063	2.28E-17	-0.080	0.032	0.012	0.019	71.850	TRUE	2.54E-15
COPD in ever smokers	TRIM27	cg21997109	rs56295386	T	C	0.479	0.036	0.105	1.92E-39	0.026	0.023	0.256	0.045	172.591	TRUE	9.44E-37
COPD in ever smokers	TRIM27	cg21997109	rs6907104	C	A	0.515	0.066	0.031	5.68E-15	-0.010	0.043	0.826	0.016	60.975	TRUE	2.16E-14
COPD in ever smokers	TRIM27	cg21997109	rs6920512	G	A	-0.280	0.045	0.070	3.74E-10	-0.047	0.029	0.100	0.010	39.221	TRUE	3.89E-09
COPD in ever smokers	TRIM27	cg21997109	rs731132	G	T	-0.320	0.024	0.392	1.15E-39	-0.030	0.015	0.052	0.045	173.606	TRUE	3.25E-36
COPD in ever smokers	TRIM27	cg21997109	rs77273697	C	T	-0.229	0.027	0.258	1.17E-17	-0.025	0.017	0.149	0.019	73.171	TRUE	3.22E-16
COPD in ever smokers	TRIM27	cg21997109	rs7752448	G	A	0.546	0.034	0.125	7.12E-57	0.105	0.022	1.93E-06	0.064	252.442	TRUE	6.79E-49
COPD in ever smokers	TRIM27	cg21997109	rs9257452	A	G	0.465	0.047	0.068	3.08E-23	-0.049	0.029	0.091	0.026	98.554	TRUE	3.01E-21
COPD in ever smokers	TRIM27	cg22900372	rs115196926	T	C	-0.255	0.043	0.082	4.24E-09	0.040	0.027	0.143	0.009	34.494	TRUE	3.08E-08
COPD in ever smokers	TRIM27	cg22900372	rs1233387	T	C	-0.173	0.027	0.230	2.44E-10	-0.026	0.018	0.145	0.011	40.060	TRUE	2.16E-09
COPD in ever smokers	TRIM27	cg22900372	rs16894139	C	T	-0.266	0.040	0.090	2.57E-11	-0.043	0.026	0.098	0.012	44.453	TRUE	3.30E-10
COPD in ever smokers	TRIM27	cg22900372	rs3117193	T	C	0.203	0.024	0.394	5.08E-17	-0.035	0.015	0.023	0.019	70.267	TRUE	3.87E-15
COPD in ever smokers	TRIM27	cg22900372	rs55740552	G	T	-0.273	0.048	0.060	1.32E-08	-0.015	0.032	0.635	0.009	32.291	TRUE	3.49E-08
COPD in ever smokers	TRIM27	cg22900372	rs73396550	G	A	-0.368	0.038	0.096	3.57E-22	0.023	0.024	0.350	0.025	93.702	TRUE	8.99E-21

COPD in ever smokers	TRIM27	cg22900372	rs9380067	A	G	-0.231	0.028	0.246	7.37E-17	0.056	0.017	0.001	0.018	69.533	TRUE	1.94E-14
COPD in ever smokers	TRIM27	cg23756442	rs3135316	G	A	-0.470	0.037	0.116	9.93E-38	0.106	0.023	2.75E-06	0.043	164.747	TRUE	4.97E-32
COPD in ever smokers	TRIM27	cg23756442	rs72851179	A	G	-0.325	0.057	0.049	1.38E-08	0.029	0.034	0.387	0.009	32.204	TRUE	5.26E-08
COPD in ever smokers	TRIM27	cg23756442	rs9257572	T	G	-0.185	0.024	0.426	7.02E-15	0.049	0.015	0.001	0.016	60.560	TRUE	1.17E-12
COPD in ever smokers	TRIM27	cg24697433	rs114325231	T	G	-0.572	0.048	0.063	2.86E-33	-0.128	0.032	7.15E-05	0.038	144.355	TRUE	1.17E-28
COPD in ever smokers	TRIM27	cg24697433	rs12195700	C	T	0.328	0.060	0.038	4.60E-08	-0.079	0.041	0.052	0.008	29.861	TRUE	4.29E-07
COPD in ever smokers	TRIM27	cg24697433	rs149952	T	C	-0.595	0.051	0.047	3.01E-31	0.045	0.032	0.158	0.035	135.112	TRUE	6.76E-29
COPD in ever smokers	TRIM27	cg24697433	rs1736922	T	C	0.237	0.027	0.271	9.17E-19	0.057	0.017	6.01E-04	0.021	78.187	TRUE	4.88E-16
COPD in ever smokers	TRIM27	cg24697433	rs209140	A	G	-1.035	0.020	0.247	<1E-200	-0.016	0.017	0.322	0.411	2585.652	TRUE	<1E-200
COPD in ever smokers	TRIM27	cg24697433	rs34302671	G	A	0.298	0.038	0.108	1.98E-15	-0.028	0.024	0.243	0.017	63.048	TRUE	2.72E-14
COPD in ever smokers	TRIM27	cg24697433	rs35403242	A	G	-0.972	0.046	0.063	1.96E-97	-0.080	0.032	0.012	0.106	438.578	TRUE	1.34E-87
COPD in ever smokers	TRIM27	cg24697433	rs62401446	A	G	-0.823	0.092	0.019	3.68E-19	-0.042	0.054	0.439	0.021	79.989	TRUE	4.86E-18
COPD in ever smokers	TRIM27	cg24697433	rs73740605	C	T	-1.127	0.169	0.011	2.92E-11	0.022	0.066	0.735	0.012	44.205	TRUE	8.87E-11
COPD in ever smokers	TRIM27	cg24697433	rs77983937	G	A	-0.902	0.066	0.031	9.86E-43	-0.038	0.042	0.377	0.048	187.646	TRUE	4.78E-40
COPD in ever smokers	TRIM27	cg24697433	rs78793798	G	A	-1.056	0.066	0.030	5.43E-58	0.057	0.039	0.148	0.065	257.567	TRUE	1.58E-53
COPD in ever smokers	TRIM27	cg24697433	rs9295793	A	C	0.282	0.032	0.156	2.77E-18	0.019	0.020	0.355	0.020	76.005	TRUE	4.05E-17
COPD in ever smokers	TRIM27	cg24697433	rs9461434	C	A	0.199	0.029	0.222	4.00E-12	0.061	0.018	6.44E-04	0.013	48.099	TRUE	4.02E-10
COPD in ever smokers	TRIM27	cg25525825	rs114357009	A	G	-0.289	0.052	0.048	2.79E-08	-0.015	0.034	0.656	0.008	30.832	TRUE	6.96E-08
COPD in ever smokers	TRIM27	cg25525825	rs209140	A	G	-0.308	0.026	0.247	1.53E-31	-0.016	0.017	0.322	0.036	136.454	TRUE	1.62E-29
COPD in ever smokers	TRIM27	cg25525825	rs35604709	A	G	-0.292	0.048	0.062	8.84E-10	-0.080	0.032	0.012	0.010	37.546	TRUE	1.99E-08
COPD in ever smokers	TRIM27	cg25701364	rs142863425	T	C	-0.235	0.042	0.080	2.78E-08	0.007	0.026	0.802	0.008	30.842	TRUE	5.77E-08
COPD in ever smokers	TRIM27	cg25701364	rs2023463	T	C	0.212	0.036	0.119	4.80E-09	0.100	0.022	6.41E-06	0.009	34.251	TRUE	5.50E-07
COPD in ever smokers	TRIM27	cg25701364	rs209140	A	G	-0.245	0.026	0.247	1.25E-20	-0.016	0.017	0.322	0.023	86.680	TRUE	2.76E-19
COPD in ever smokers	TRIM27	cg27120125	rs13200214	T	C	-0.228	0.037	0.110	5.52E-10	0.101	0.023	1.19E-05	0.010	38.465	TRUE	7.75E-08
COPD in ever smokers	TRIM27	cg27120125	rs3129793	A	G	-0.130	0.023	0.490	2.00E-08	0.041	0.015	0.006	0.008	31.481	TRUE	4.11E-07
COPD in ever smokers	TRIM27	cg27358207	rs75058702	T	G	0.279	0.049	0.065	1.06E-08	0.039	0.030	0.189	0.009	32.708	TRUE	6.28E-08
COPD in ever smokers	TRIM27	cg27383651	rs209140	A	G	-0.209	0.026	0.247	1.39E-15	-0.016	0.017	0.322	0.017	63.754	TRUE	1.54E-14
COPD in ever smokers	TRIM5	cg03698359	rs118189362	C	T	-0.451	0.067	0.029	1.92E-11	-0.058	0.045	0.197	0.012	45.031	TRUE	1.69E-10
COPD in ever smokers	TRIM5	cg03698359	rs12271333	C	A	0.212	0.034	0.140	3.29E-10	0.039	0.021	0.068	0.011	39.472	TRUE	4.16E-09
COPD in ever smokers	TRIM5	cg03698359	rs17304278	C	T	-0.199	0.029	0.210	4.31E-12	-0.011	0.018	0.560	0.013	47.953	TRUE	1.88E-11
COPD in ever smokers	TRIM5	cg03698359	rs2291844	C	T	-0.203	0.032	0.442	2.53E-10	0.014	0.016	0.388	0.011	39.985	TRUE	1.21E-09
COPD in ever smokers	TRIM5	cg03698359	rs4992800	A	C	0.405	0.073	0.029	2.72E-08	0.008	0.046	0.864	0.008	30.879	TRUE	5.27E-08
COPD in ever smokers	TRIM5	cg03698359	rs61756355	A	C	-0.411	0.071	0.027	5.33E-09	-0.017	0.046	0.710	0.009	34.045	TRUE	1.34E-08
COPD in ever smokers	TRIM5	cg03698359	rs72484712	T	G	-0.751	0.042	0.081	4.60E-72	-0.036	0.027	0.193	0.080	322.110	TRUE	1.60E-66
COPD in ever smokers	TRIM5	cg03698359	rs756035	G	T	0.159	0.025	0.329	1.45E-10	0.033	0.016	0.038	0.011	41.069	TRUE	2.52E-09
COPD in ever smokers	TRIM5	cg03698359	rs7950912	C	T	0.273	0.038	0.391	1.28E-12	0.008	0.016	0.610	0.013	50.325	TRUE	5.47E-12
COPD in ever smokers	TRIM5	cg24893035	rs12799329	G	A	0.148	0.023	0.440	1.79E-10	-0.031	0.015	0.037	0.011	40.665	TRUE	3.08E-09
COPD in ever smokers	TRIM5	cg24893035	rs3740996	A	G	-0.270	0.034	0.129	2.91E-15	0.048	0.022	0.027	0.017	62.293	TRUE	1.46E-13
COPD in ever smokers	TRIM5	cg24893035	rs4992800	A	C	0.558	0.072	0.029	1.16E-14	0.008	0.046	0.864	0.016	59.576	TRUE	4.02E-14
COPD in ever smokers	ULK1	cg07746532	rs78172903	T	C	-0.214	0.039	0.098	3.32E-08	-0.032	0.025	0.191	0.008	30.497	TRUE	1.80E-07
COPD in ever smokers	ULK1	cg08731435	rs10794450	T	G	0.298	0.044	0.077	7.97E-12	0.025	0.028	0.377	0.012	46.749	TRUE	4.73E-11
COPD in ever smokers	ULK1	cg08731435	rs10902466	G	A	1.078	0.027	0.177	<1E-200	-0.028	0.020	0.162	0.305	1624.833	TRUE	1.50E-300

COPD in ever smokers	ULK1	cg08731435	rs10902514	A	G	0.483	0.071	0.041	9.26E-12	-0.029	0.044	0.509	0.012	46.455	TRUE	4.25E-11
COPD in ever smokers	ULK1	cg08731435	rs11246948	A	G	0.190	0.027	0.263	7.22E-13	0.001	0.017	0.948	0.014	51.455	TRUE	1.86E-12
COPD in ever smokers	ULK1	cg08731435	rs12227884	C	T	1.174	0.076	0.025	4.81E-54	0.035	0.047	0.458	0.061	239.470	TRUE	1.12E-50
COPD in ever smokers	ULK1	cg08731435	rs12231279	G	A	0.328	0.026	0.273	1.10E-36	0.005	0.017	0.755	0.041	159.979	TRUE	6.31E-35
COPD in ever smokers	ULK1	cg08731435	rs139019630	T	C	0.412	0.067	0.032	7.39E-10	-0.074	0.039	0.060	0.010	37.894	TRUE	9.24E-09
COPD in ever smokers	ULK1	cg08731435	rs3088051	C	T	-0.312	0.026	0.275	4.53E-33	-0.009	0.017	0.596	0.037	143.442	TRUE	2.47E-31
COPD in ever smokers	ULK1	cg08731435	rs35187352	T	G	-0.162	0.024	0.393	1.17E-11	-0.011	0.015	0.484	0.012	45.994	TRUE	5.54E-11
COPD in ever smokers	ULK1	cg08731435	rs4964931	G	T	-0.258	0.025	0.319	1.16E-25	-0.026	0.016	0.103	0.029	109.612	TRUE	1.54E-23
COPD in ever smokers	ULK1	cg08731435	rs55661795	C	T	0.206	0.024	0.487	2.55E-18	-0.021	0.015	0.167	0.020	76.170	TRUE	7.17E-17
COPD in ever smokers	ULK1	cg08731435	rs57442333	T	G	0.434	0.037	0.118	1.69E-32	-0.061	0.023	0.009	0.037	140.828	TRUE	4.54E-29
COPD in ever smokers	ULK1	cg08731435	rs61942397	C	A	0.253	0.032	0.164	2.15E-15	-0.007	0.020	0.712	0.017	62.891	TRUE	1.04E-14
COPD in ever smokers	ULK1	cg08731435	rs7137092	A	G	-0.160	0.027	0.265	2.09E-09	0.043	0.017	0.011	0.010	35.870	TRUE	4.54E-08
COPD in ever smokers	ULK1	cg08731435	rs729326	A	G	0.187	0.024	0.488	3.45E-15	-0.030	0.015	0.044	0.016	61.957	TRUE	1.33E-13
COPD in ever smokers	ULK1	cg08731435	rs73469993	A	G	0.606	0.092	0.019	3.95E-11	-0.161	0.060	0.008	0.012	43.616	TRUE	1.42E-09
COPD in ever smokers	ULK1	cg12944340	rs11246853	T	C	0.167	0.023	0.415	7.14E-13	-0.029	0.015	0.058	0.014	51.478	TRUE	1.58E-11
COPD in ever smokers	ULK1	cg12944340	rs11246867	A	G	1.396	0.049	0.059	2.17E-179	-0.033	0.033	0.320	0.181	815.176	TRUE	5.22E-161
COPD in ever smokers	ULK1	cg12944340	rs116490303	A	G	0.489	0.045	0.068	1.12E-27	0.011	0.028	0.690	0.031	118.811	TRUE	2.34E-26
COPD in ever smokers	ULK1	cg12944340	rs140558127	A	G	0.668	0.107	0.012	4.49E-10	0.003	0.061	0.956	0.010	38.868	TRUE	9.00E-10
COPD in ever smokers	ULK1	cg12944340	rs4964879	A	G	0.285	0.037	0.116	9.36E-15	-0.053	0.023	0.023	0.016	59.995	TRUE	4.64E-13
COPD in ever smokers	ULK1	cg12944340	rs57516732	C	T	0.304	0.031	0.183	4.79E-23	-0.061	0.020	0.002	0.026	97.679	TRUE	4.03E-20
COPD in ever smokers	ULK1	cg12944340	rs61942925	T	C	0.495	0.064	0.034	6.39E-15	0.073	0.042	0.081	0.016	60.744	TRUE	1.68E-13
COPD in ever smokers	ULK1	cg12944340	rs737434	T	C	0.210	0.035	0.126	2.44E-09	-0.009	0.023	0.701	0.010	35.563	TRUE	6.41E-09
COPD in ever smokers	ULK1	cg12944340	rs7487848	T	C	0.493	0.066	0.037	7.73E-14	0.067	0.037	0.075	0.015	55.844	TRUE	1.76E-12
COPD in ever smokers	ULK1	cg12944340	rs77063486	T	C	1.268	0.101	0.014	5.57E-36	-0.122	0.060	0.042	0.041	156.748	TRUE	9.52E-33
COPD in ever smokers	ULK1	cg12944340	rs7956581	T	C	0.215	0.031	0.162	7.39E-12	0.012	0.020	0.554	0.013	46.895	TRUE	3.18E-11
COPD in ever smokers	ULK1	cg13235087	rs10794450	T	G	-0.329	0.043	0.077	3.80E-14	0.025	0.028	0.377	0.015	57.240	TRUE	3.05E-13
COPD in ever smokers	ULK1	cg13235087	rs10902466	G	A	-1.186	0.024	0.177	<1E-200	-0.028	0.020	0.162	0.392	2386.228	TRUE	<1E-200
COPD in ever smokers	ULK1	cg13235087	rs10902491	G	A	-0.391	0.050	0.061	8.25E-15	0.005	0.030	0.877	0.016	60.241	TRUE	2.84E-14
COPD in ever smokers	ULK1	cg13235087	rs10902498	T	G	0.145	0.024	0.423	9.93E-10	0.016	0.015	0.296	0.010	37.318	TRUE	5.29E-09
COPD in ever smokers	ULK1	cg13235087	rs10902514	A	G	-0.592	0.071	0.041	5.15E-17	-0.029	0.044	0.509	0.019	70.239	TRUE	4.43E-16
COPD in ever smokers	ULK1	cg13235087	rs11246904	T	C	0.277	0.025	0.330	1.14E-28	0.018	0.016	0.265	0.032	123.333	TRUE	9.90E-27
COPD in ever smokers	ULK1	cg13235087	rs11246912	A	G	-0.348	0.036	0.113	1.50E-21	-0.003	0.023	0.903	0.024	90.863	TRUE	9.73E-21
COPD in ever smokers	ULK1	cg13235087	rs11246947	G	A	-0.164	0.026	0.290	1.72E-10	-0.002	0.017	0.898	0.011	40.745	TRUE	3.85E-10
COPD in ever smokers	ULK1	cg13235087	rs11611560	T	C	0.245	0.025	0.281	4.82E-22	-0.023	0.016	0.154	0.025	93.112	TRUE	2.57E-20
COPD in ever smokers	ULK1	cg13235087	rs12227884	C	T	-0.976	0.076	0.025	1.46E-37	0.035	0.047	0.458	0.042	163.977	TRUE	2.34E-35
COPD in ever smokers	ULK1	cg13235087	rs1982527	G	A	-0.367	0.035	0.130	1.92E-25	-0.047	0.023	0.041	0.029	108.608	TRUE	4.87E-23
COPD in ever smokers	ULK1	cg13235087	rs4964979	G	A	-0.311	0.025	0.351	2.86E-36	-0.027	0.016	0.083	0.041	158.069	TRUE	2.83E-33
COPD in ever smokers	ULK1	cg13235087	rs61936372	G	A	-0.337	0.055	0.047	1.03E-09	-0.043	0.036	0.239	0.010	37.241	TRUE	6.25E-09
COPD in ever smokers	ULK1	cg13235087	rs61942397	C	A	-0.355	0.032	0.164	5.98E-29	-0.007	0.020	0.712	0.033	124.614	TRUE	1.39E-27
COPD in ever smokers	ULK1	cg13235087	rs6422001	G	A	-0.384	0.029	0.194	2.65E-41	-0.017	0.019	0.354	0.047	181.104	TRUE	1.12E-38
COPD in ever smokers	ULK1	cg13235087	rs76147273	A	G	-0.769	0.086	0.019	3.74E-19	0.064	0.057	0.262	0.021	79.957	TRUE	8.21E-18
COPD in ever smokers	ULK1	cg15260428	rs10794450	T	G	0.326	0.044	0.077	7.07E-14	0.025	0.028	0.377	0.015	56.018	TRUE	5.48E-13

COPD in ever smokers	ULK1	cg15260428	rs10902514	A	G	0.549	0.071	0.041	7.87E-15	-0.029	0.044	0.509	0.016	60.334	TRUE	5.20E-14
COPD in ever smokers	ULK1	cg15260428	rs11246861	G	A	0.956	0.037	0.103	7.78E-146	-0.047	0.025	0.055	0.152	660.945	TRUE	1.06E-130
COPD in ever smokers	ULK1	cg15260428	rs11246912	A	G	0.403	0.036	0.113	1.76E-28	-0.003	0.023	0.903	0.032	122.474	TRUE	2.47E-27
COPD in ever smokers	ULK1	cg15260428	rs113562482	T	C	0.221	0.036	0.121	1.08E-09	0.023	0.023	0.316	0.010	37.156	TRUE	5.47E-09
COPD in ever smokers	ULK1	cg15260428	rs117479107	A	G	1.145	0.075	0.030	3.98E-53	0.058	0.046	0.204	0.060	235.262	TRUE	2.92E-49
COPD in ever smokers	ULK1	cg15260428	rs139019630	T	C	0.433	0.067	0.032	9.17E-11	-0.074	0.039	0.060	0.011	41.969	TRUE	1.36E-09
COPD in ever smokers	ULK1	cg15260428	rs2398553	A	G	-0.139	0.024	0.421	4.92E-09	0.037	0.015	0.017	0.009	34.204	TRUE	8.44E-08
COPD in ever smokers	ULK1	cg15260428	rs28514346	A	G	-0.193	0.030	0.180	1.30E-10	-0.008	0.019	0.688	0.011	41.292	TRUE	3.94E-10
COPD in ever smokers	ULK1	cg15260428	rs3088051	C	T	-0.325	0.026	0.275	1.22E-35	-0.009	0.017	0.596	0.040	155.185	TRUE	9.55E-34
COPD in ever smokers	ULK1	cg15260428	rs376165541	G	A	0.238	0.031	0.179	2.09E-14	0.024	0.021	0.254	0.016	58.409	TRUE	2.40E-13
COPD in ever smokers	ULK1	cg15260428	rs4964931	G	T	-0.240	0.025	0.319	1.96E-22	-0.026	0.016	0.103	0.025	94.891	TRUE	1.54E-20
COPD in ever smokers	ULK1	cg15260428	rs61942945	T	C	0.501	0.035	0.113	2.24E-45	-0.020	0.023	0.385	0.051	199.755	TRUE	1.62E-42
COPD in ever smokers	ULK1	cg15260428	rs7302218	T	C	-0.134	0.024	0.404	2.45E-08	-0.008	0.015	0.590	0.008	31.087	TRUE	6.70E-08
COPD in ever smokers	ULK1	cg15260428	rs73486086	A	G	0.786	0.053	0.056	2.97E-49	-0.076	0.033	0.022	0.056	217.512	TRUE	1.22E-44
COPD in ever smokers	ULK1	cg15260428	rs75026995	T	C	-0.262	0.027	0.253	1.29E-22	0.039	0.017	0.019	0.025	95.723	TRUE	3.18E-20
COPD in ever smokers	ULK1	cg15260428	rs77929763	A	G	1.317	0.034	0.099	<1E-200	-0.036	0.025	0.145	0.291	1519.276	TRUE	5.94E-283
COPD in ever smokers	ULK1	cg15260428	rs78329542	G	A	0.481	0.086	0.017	2.57E-08	0.076	0.054	0.160	0.008	30.987	TRUE	1.56E-07
COPD in ever smokers	ULK1	cg15260428	rs7973499	A	G	0.339	0.025	0.338	2.87E-42	-0.028	0.016	0.075	0.048	185.521	TRUE	9.32E-39
COPD in ever smokers	ULK1	cg18849213	rs10902498	T	G	0.265	0.024	0.423	3.25E-29	0.016	0.015	0.296	0.033	125.819	TRUE	2.71E-27
COPD in ever smokers	ULK1	cg18849213	rs112272697	A	G	-0.277	0.048	0.058	1.01E-08	0.025	0.031	0.427	0.009	32.802	TRUE	3.68E-08
COPD in ever smokers	ULK1	cg18849213	rs11246861	G	A	0.331	0.039	0.103	1.29E-17	-0.047	0.025	0.055	0.019	72.977	TRUE	6.79E-16
COPD in ever smokers	ULK1	cg18849213	rs117479107	A	G	-0.475	0.076	0.030	3.65E-10	0.058	0.046	0.204	0.011	39.270	TRUE	2.60E-09
COPD in ever smokers	ULK1	cg18849213	rs12422267	G	A	-0.436	0.039	0.092	1.40E-28	0.016	0.025	0.517	0.032	122.924	TRUE	5.17E-27
COPD in ever smokers	ULK1	cg18849213	rs1456619	T	C	0.169	0.025	0.376	6.64E-12	-0.019	0.015	0.212	0.013	47.107	TRUE	6.00E-11
COPD in ever smokers	ULK1	cg18849213	rs3088051	C	T	-0.335	0.026	0.275	7.59E-38	-0.009	0.017	0.596	0.043	165.283	TRUE	8.12E-36
COPD in ever smokers	ULK1	cg18849213	rs35456238	C	A	0.576	0.054	0.048	3.49E-26	-0.015	0.035	0.670	0.029	111.984	TRUE	6.39E-25
COPD in ever smokers	ULK1	cg18849213	rs73486086	A	G	0.366	0.054	0.056	1.24E-11	-0.076	0.033	0.022	0.012	45.875	TRUE	3.38E-10
COPD in ever smokers	ULK1	cg18849213	rs7485527	A	C	0.150	0.025	0.374	1.13E-09	-0.004	0.016	0.779	0.010	37.073	TRUE	2.75E-09
COPD in ever smokers	ULK1	cg21649013	rs117479107	A	G	0.440	0.076	0.030	6.78E-09	0.058	0.046	0.204	0.009	33.580	TRUE	3.97E-08
COPD in ever smokers	ULK1	cg21649013	rs78570824	T	C	0.577	0.039	0.097	1.21E-50	-0.035	0.025	0.158	0.057	223.889	TRUE	7.86E-47
COPD in ever smokers	USP10	cg00304695	rs13331387	A	C	-0.787	0.027	0.194	3.32E-184	0.004	0.019	0.840	0.185	837.315	TRUE	1.20E-166
COPD in ever smokers	USP10	cg00304695	rs16974449	A	C	0.261	0.024	0.339	1.25E-26	0.024	0.016	0.124	0.030	114.021	TRUE	1.67E-24
COPD in ever smokers	USP10	cg00304695	rs7192280	A	C	-0.250	0.031	0.162	1.40E-15	-0.012	0.020	0.551	0.017	63.735	TRUE	9.30E-15
COPD in ever smokers	USP10	cg00304695	rs8057721	C	A	0.157	0.024	0.431	4.96E-11	-0.026	0.015	0.083	0.012	43.168	TRUE	6.61E-10
COPD in ever smokers	USP10	cg01211097	rs13331387	A	C	0.572	0.030	0.194	5.81E-79	0.004	0.019	0.840	0.087	353.774	TRUE	3.24E-74
COPD in ever smokers	USP10	cg01211097	rs1820246	C	T	-0.189	0.024	0.412	3.96E-15	-0.028	0.015	0.063	0.016	61.684	TRUE	1.25E-13
COPD in ever smokers	USP10	cg01211097	rs7192411	A	C	0.136	0.025	0.344	3.27E-08	-0.007	0.016	0.669	0.008	30.526	TRUE	7.96E-08
COPD in ever smokers	USP10	cg01647942	rs12597526	G	A	-0.146	0.026	0.272	3.26E-08	-0.016	0.017	0.352	0.008	30.531	TRUE	1.26E-07
COPD in ever smokers	USP10	cg01647942	rs55638897	T	G	0.182	0.025	0.319	4.84E-13	0.023	0.016	0.148	0.014	52.240	TRUE	6.54E-12
COPD in ever smokers	USP10	cg01647942	rs7197496	G	A	0.430	0.025	0.290	1.28E-64	0.031	0.017	0.066	0.072	287.953	TRUE	4.13E-59
COPD in ever smokers	USP10	cg02235941	rs1820246	C	T	-0.195	0.024	0.412	5.14E-16	-0.028	0.015	0.063	0.017	65.708	TRUE	1.89E-14
COPD in ever smokers	USP10	cg02833172	rs11862543	A	G	0.373	0.047	0.064	1.34E-15	0.043	0.028	0.127	0.017	63.817	TRUE	3.00E-14

COPD in ever smokers	USP10	cg02833172	rs7202832	T	C	0.275	0.024	0.474	1.60E-31	-0.023	0.015	0.123	0.036	136.370	TRUE	4.78E-29
COPD in ever smokers	USP10	cg02967198	rs78866288	T	C	0.254	0.043	0.081	2.66E-09	0.017	0.027	0.522	0.009	35.395	TRUE	8.98E-09
COPD in ever smokers	USP10	cg02967198	rs8061015	G	A	-0.269	0.044	0.069	1.23E-09	0.040	0.027	0.141	0.010	36.906	TRUE	9.84E-09
COPD in ever smokers	USP10	cg04431002	rs11642656	G	A	-0.412	0.024	0.383	2.86E-68	0.021	0.015	0.162	0.076	304.707	TRUE	5.90E-63
COPD in ever smokers	USP10	cg04431002	rs193446	A	G	-0.171	0.024	0.493	4.08E-13	0.006	0.015	0.707	0.014	52.576	TRUE	1.56E-12
COPD in ever smokers	USP10	cg04431002	rs6564068	C	T	-0.136	0.025	0.338	4.85E-08	-0.009	0.016	0.584	0.008	29.760	TRUE	1.29E-07
COPD in ever smokers	USP10	cg04431002	rs74029976	T	G	-0.397	0.054	0.049	2.57E-13	-0.017	0.036	0.634	0.014	53.482	TRUE	1.14E-12
COPD in ever smokers	USP10	cg05298510	rs35594082	C	A	-0.173	0.026	0.272	4.12E-11	0.016	0.017	0.347	0.012	43.530	TRUE	2.37E-10
COPD in ever smokers	USP10	cg05298510	rs74032918	G	A	-0.472	0.078	0.061	1.75E-09	0.024	0.031	0.437	0.010	36.217	TRUE	6.89E-09
COPD in ever smokers	USP10	cg05298510	rs8044259	G	A	0.308	0.024	0.464	7.22E-39	-0.037	0.015	0.014	0.044	169.957	TRUE	5.10E-35
COPD in ever smokers	USP10	cg05468171	rs12929017	G	T	-0.140	0.026	0.309	4.74E-08	-0.031	0.016	0.052	0.008	29.802	TRUE	4.42E-07
COPD in ever smokers	USP10	cg05468171	rs13331387	A	C	0.724	0.030	0.194	4.56E-130	0.004	0.019	0.840	0.137	588.489	TRUE	5.71E-120
COPD in ever smokers	USP10	cg05468171	rs16974449	A	C	-0.252	0.024	0.339	6.86E-25	0.024	0.016	0.124	0.028	106.086	TRUE	6.90E-23
COPD in ever smokers	USP10	cg05468171	rs57802612	T	C	0.245	0.031	0.162	5.35E-15	-0.009	0.020	0.658	0.016	61.095	TRUE	2.72E-14
COPD in ever smokers	USP10	cg05468171	rs7203065	T	G	0.238	0.024	0.396	1.39E-22	-0.006	0.016	0.698	0.025	95.577	TRUE	1.54E-21
COPD in ever smokers	USP10	cg07647771	rs11149680	T	C	0.537	0.027	0.218	2.83E-87	0.005	0.018	0.757	0.096	391.931	TRUE	1.26E-81
COPD in ever smokers	USP10	cg07647771	rs12051468	G	A	0.151	0.024	0.435	1.51E-10	-0.002	0.015	0.912	0.011	40.997	TRUE	3.34E-10
COPD in ever smokers	USP10	cg07647771	rs140117492	G	A	-0.716	0.114	0.013	2.90E-10	0.059	0.060	0.328	0.011	39.717	TRUE	1.55E-09
COPD in ever smokers	USP10	cg07647771	rs4782660	C	T	-0.285	0.027	0.252	1.58E-26	0.028	0.017	0.102	0.030	113.556	TRUE	2.45E-24
COPD in ever smokers	USP10	cg07647771	rs4783059	G	T	0.179	0.028	0.212	2.81E-10	-0.013	0.019	0.489	0.011	39.778	TRUE	1.12E-09
COPD in ever smokers	USP10	cg07647771	rs55638897	T	G	-0.276	0.025	0.319	4.13E-28	0.023	0.016	0.148	0.032	120.780	TRUE	5.96E-26
COPD in ever smokers	USP10	cg07647771	rs7192411	A	C	0.172	0.025	0.344	3.10E-12	-0.007	0.016	0.669	0.013	48.598	TRUE	1.15E-11
COPD in ever smokers	USP10	cg07647771	rs8044808	C	T	0.622	0.031	0.169	3.08E-92	0.028	0.019	0.151	0.101	414.716	TRUE	1.63E-84
COPD in ever smokers	USP10	cg07795346	rs7197843	C	T	0.146	0.023	0.442	4.48E-10	0.028	0.015	0.067	0.010	38.871	TRUE	5.53E-09
COPD in ever smokers	USP10	cg08126789	rs35307127	C	T	-0.169	0.026	0.270	9.42E-11	0.013	0.017	0.430	0.011	41.917	TRUE	4.40E-10
COPD in ever smokers	USP10	cg08991234	rs11645545	A	G	0.233	0.038	0.379	1.28E-09	-0.022	0.015	0.151	0.010	36.820	TRUE	9.89E-09
COPD in ever smokers	USP10	cg08991234	rs28619515	A	C	0.287	0.031	0.161	3.94E-20	-0.011	0.020	0.596	0.022	84.405	TRUE	4.08E-19
COPD in ever smokers	USP10	cg08991234	rs3764286	C	T	0.298	0.035	0.272	2.31E-17	0.009	0.017	0.609	0.019	71.824	TRUE	1.68E-16
COPD in ever smokers	USP10	cg08991234	rs4783099	T	C	0.155	0.024	0.370	2.20E-10	0.010	0.015	0.524	0.011	40.254	TRUE	8.39E-10
COPD in ever smokers	USP10	cg08991234	rs77083412	T	C	0.732	0.117	0.025	3.58E-10	-0.003	0.048	0.945	0.011	39.307	TRUE	7.35E-10
COPD in ever smokers	USP10	cg08991234	rs774302	C	T	0.544	0.037	0.216	3.43E-49	-0.014	0.019	0.459	0.055	217.228	TRUE	3.47E-46
COPD in ever smokers	USP10	cg08991234	rs774318	A	G	0.135	0.023	0.479	9.30E-09	0.012	0.015	0.420	0.009	32.965	TRUE	3.44E-08
COPD in ever smokers	USP10	cg09565226	rs12929017	G	T	0.145	0.026	0.309	1.41E-08	-0.031	0.016	0.052	0.009	32.160	TRUE	1.46E-07
COPD in ever smokers	USP10	cg09565226	rs4783059	G	T	-0.209	0.028	0.212	1.46E-13	-0.013	0.019	0.489	0.015	54.597	TRUE	8.60E-13
COPD in ever smokers	USP10	cg09565226	rs8052070	T	C	0.440	0.024	0.410	6.01E-78	-0.027	0.015	0.079	0.086	349.114	TRUE	2.95E-71
COPD in ever smokers	USP10	cg09565226	rs8060725	A	C	-0.164	0.027	0.262	7.15E-10	0.034	0.017	0.047	0.010	37.959	TRUE	9.95E-09
COPD in ever smokers	USP10	cg26562921	rs2326396	C	T	-0.164	0.026	0.283	2.11E-10	0.036	0.017	0.029	0.011	40.343	TRUE	3.94E-09
COPD in ever smokers	USP10	cg26562921	rs28540747	A	G	-0.157	0.027	0.253	6.04E-09	0.009	0.017	0.611	0.009	33.803	TRUE	1.72E-08
COPD in ever smokers	USP10	cg26562921	rs35307127	C	T	-0.170	0.026	0.270	1.02E-10	0.013	0.017	0.430	0.011	41.765	TRUE	4.74E-10
COPD in ever smokers	USP10	cg26562921	rs62048855	T	C	0.395	0.024	0.412	6.88E-62	-0.027	0.015	0.076	0.069	275.438	TRUE	1.05E-56
COPD in ever smokers	USP13	cg05726764	rs115344509	G	A	-0.846	0.071	0.025	1.70E-32	0.083	0.040	0.040	0.037	140.810	TRUE	1.58E-29
COPD in ever smokers	USP13	cg05726764	rs116581660	C	T	-0.692	0.074	0.023	6.45E-21	-0.037	0.046	0.421	0.023	87.983	TRUE	1.12E-19

COPD in ever smokers	USP13	cg05726764	rs142451641	A	G	-0.544	0.080	0.022	1.03E-11	0.100	0.050	0.047	0.012	46.248	TRUE	2.03E-10
COPD in ever smokers	USP13	cg05726764	rs1561843	C	T	-0.996	0.020	0.284	<1E-200	0.032	0.016	0.053	0.404	2510.793	TRUE	<1E-200
COPD in ever smokers	USP13	cg05726764	rs1568554	T	C	0.166	0.025	0.351	3.53E-11	-0.008	0.016	0.603	0.012	43.835	TRUE	1.30E-10
COPD in ever smokers	USP13	cg05726764	rs17692126	C	T	0.219	0.031	0.175	2.89E-12	-0.019	0.020	0.347	0.013	48.733	TRUE	1.94E-11
COPD in ever smokers	USP13	cg05726764	rs4855102	A	G	0.282	0.024	0.408	5.44E-32	-0.018	0.015	0.231	0.036	138.506	TRUE	9.16E-30
COPD in ever smokers	USP13	cg05726764	rs4855112	A	G	0.293	0.023	0.461	2.23E-36	-0.009	0.015	0.564	0.041	158.568	TRUE	2.12E-34
COPD in ever smokers	USP13	cg05726764	rs4855113	A	G	-0.220	0.024	0.472	2.74E-20	0.009	0.015	0.546	0.022	85.125	TRUE	3.23E-19
COPD in ever smokers	USP13	cg05726764	rs56254528	T	C	0.422	0.044	0.078	7.22E-22	0.031	0.028	0.268	0.024	92.312	TRUE	2.28E-20
COPD in ever smokers	USP13	cg05726764	rs61760203	T	C	-0.878	0.149	0.014	3.57E-09	-0.089	0.066	0.175	0.009	34.826	TRUE	2.37E-08
COPD in ever smokers	USP13	cg05726764	rs77294130	T	C	-0.496	0.065	0.036	2.92E-14	-0.007	0.040	0.869	0.015	57.759	TRUE	9.65E-14
COPD in ever smokers	USP13	cg05726764	rs78811655	C	A	-0.893	0.157	0.014	1.42E-08	0.007	0.072	0.922	0.009	32.140	TRUE	2.63E-08
COPD in ever smokers	VMAC	cg04582374	rs6510865	T	C	0.177	0.024	0.410	1.37E-13	0.035	0.015	0.023	0.015	54.719	TRUE	5.42E-12
COPD in ever smokers	VMAC	cg04582374	rs7259761	A	G	0.771	0.042	0.087	3.49E-74	-0.021	0.027	0.421	0.082	331.838	TRUE	4.47E-69
COPD in ever smokers	VMAC	cg05380558	rs1056987	T	C	0.274	0.026	0.302	3.03E-26	0.049	0.016	0.002	0.029	112.265	TRUE	4.91E-23
COPD in ever smokers	VMAC	cg18650732	rs59174308	C	T	0.298	0.040	0.103	6.50E-14	-0.019	0.025	0.440	0.015	56.183	TRUE	4.42E-13
COPD in ever smokers	WWOX	cg00232445	rs8050128	A	C	-0.140	0.023	0.455	1.90E-09	-0.005	0.015	0.715	0.010	36.055	TRUE	4.94E-09
COPD in ever smokers	WWOX	cg00232445	rs8052888	T	C	-0.170	0.030	0.173	2.26E-08	0.002	0.019	0.938	0.008	31.239	TRUE	4.04E-08
COPD in ever smokers	WWOX	cg01365766	rs13334444	T	G	-0.337	0.053	0.055	2.14E-10	-0.013	0.035	0.721	0.011	40.316	TRUE	6.06E-10
COPD in ever smokers	WWOX	cg01608400	rs11150082	T	C	0.204	0.028	0.205	7.19E-13	-0.042	0.019	0.023	0.014	51.464	TRUE	2.42E-11
COPD in ever smokers	WWOX	cg01623475	rs11647295	G	A	-0.477	0.034	0.118	1.27E-45	-0.048	0.022	0.029	0.052	200.886	TRUE	1.91E-41
COPD in ever smokers	WWOX	cg01630032	rs11648020	G	T	0.383	0.062	0.036	7.31E-10	-0.016	0.038	0.665	0.010	37.916	TRUE	2.12E-09
COPD in ever smokers	WWOX	cg01630032	rs116918681	T	G	-0.637	0.108	0.032	3.19E-09	-0.009	0.042	0.833	0.009	35.043	TRUE	6.97E-09
COPD in ever smokers	WWOX	cg01630032	rs1912803	A	C	0.406	0.046	0.064	2.16E-18	-0.010	0.030	0.739	0.020	76.498	TRUE	1.37E-17
COPD in ever smokers	WWOX	cg01630032	rs2548875	G	T	0.597	0.028	0.211	1.97E-100	0.027	0.018	0.139	0.109	452.345	TRUE	9.45E-92
COPD in ever smokers	WWOX	cg01630032	rs2548879	C	A	0.811	0.021	0.430	<1E-200	-0.028	0.015	0.056	0.295	1546.804	TRUE	2.44E-286
COPD in ever smokers	WWOX	cg01630032	rs2673789	C	T	0.274	0.023	0.436	1.17E-31	-0.019	0.015	0.215	0.036	136.980	TRUE	2.03E-29
COPD in ever smokers	WWOX	cg01630032	rs2737301	T	C	-0.143	0.024	0.435	2.13E-09	0.003	0.015	0.867	0.010	35.833	TRUE	4.52E-09
COPD in ever smokers	WWOX	cg01630032	rs2738586	G	A	0.561	0.046	0.078	2.22E-34	-0.013	0.031	0.673	0.039	149.432	TRUE	1.17E-32
COPD in ever smokers	WWOX	cg01630032	rs34466066	G	T	0.217	0.033	0.156	4.28E-11	-0.030	0.020	0.123	0.012	43.456	TRUE	4.69E-10
COPD in ever smokers	WWOX	cg01630032	rs3751882	G	A	0.376	0.027	0.251	3.78E-44	0.014	0.017	0.414	0.050	194.131	TRUE	1.99E-41
COPD in ever smokers	WWOX	cg01630032	rs67486703	A	G	-0.168	0.031	0.175	3.72E-08	0.000	0.019	0.985	0.008	30.272	TRUE	6.18E-08
COPD in ever smokers	WWOX	cg01630032	rs7197349	G	A	0.735	0.036	0.116	1.73E-90	-0.012	0.023	0.583	0.099	406.689	TRUE	3.38E-84
COPD in ever smokers	WWOX	cg01630032	rs7206203	C	T	-0.189	0.024	0.444	8.64E-16	0.018	0.015	0.219	0.017	64.683	TRUE	1.35E-14
COPD in ever smokers	WWOX	cg01630032	rs72794707	T	C	0.688	0.107	0.012	1.29E-10	-0.115	0.069	0.099	0.011	41.298	TRUE	1.46E-09
COPD in ever smokers	WWOX	cg01630032	rs73576805	G	T	0.447	0.079	0.024	1.41E-08	-0.080	0.049	0.100	0.009	32.152	TRUE	1.11E-07
COPD in ever smokers	WWOX	cg01630032	rs75887935	C	T	0.334	0.045	0.075	1.87E-13	0.013	0.028	0.644	0.014	54.112	TRUE	8.22E-13
COPD in ever smokers	WWOX	cg01630032	rs76887953	G	T	0.739	0.086	0.019	1.04E-17	0.007	0.048	0.892	0.019	73.393	TRUE	4.64E-17
COPD in ever smokers	WWOX	cg01630032	rs78136943	G	A	0.545	0.062	0.036	1.97E-18	0.050	0.035	0.152	0.020	76.676	TRUE	6.07E-17
COPD in ever smokers	WWOX	cg01630032	rs78404304	G	A	-0.463	0.074	0.068	4.96E-10	0.001	0.028	0.984	0.010	38.674	TRUE	9.54E-10
COPD in ever smokers	WWOX	cg01630032	rs78505173	C	T	0.457	0.077	0.047	2.60E-09	0.052	0.036	0.148	0.009	35.446	TRUE	1.92E-08
COPD in ever smokers	WWOX	cg01630032	rs79798128	T	G	-0.642	0.079	0.054	5.17E-16	-0.029	0.032	0.379	0.017	65.693	TRUE	5.28E-15
COPD in ever smokers	WWOX	cg01785566	rs12922764	A	G	-0.145	0.023	0.425	5.33E-10	0.007	0.015	0.659	0.010	38.531	TRUE	1.59E-09

COPD in ever smokers	WWOX	cg02795629	rs391870	T	C	-0.159	0.024	0.373	5.04E-11	-0.004	0.015	0.797	0.012	43.137	TRUE	1.37E-10
COPD in ever smokers	WWOX	cg03601549	rs2738544	T	C	-0.332	0.040	0.098	1.87E-16	-0.017	0.025	0.495	0.018	67.699	TRUE	1.55E-15
COPD in ever smokers	WWOX	cg03601549	rs74593660	T	C	-0.252	0.045	0.074	2.92E-08	0.014	0.028	0.624	0.008	30.744	TRUE	7.57E-08
COPD in ever smokers	WWOX	cg03601549	rs9927678	C	T	-0.137	0.024	0.385	1.02E-08	-0.016	0.015	0.290	0.009	32.787	TRUE	4.76E-08
COPD in ever smokers	WWOX	cg04609912	rs114476113	A	G	-0.741	0.097	0.016	2.40E-14	0.025	0.062	0.684	0.015	58.139	TRUE	1.09E-13
COPD in ever smokers	WWOX	cg04609912	rs4530150	A	G	0.253	0.041	0.087	8.68E-10	-0.040	0.026	0.121	0.010	37.580	TRUE	7.71E-09
COPD in ever smokers	WWOX	cg04609912	rs59274620	C	T	-0.249	0.044	0.068	1.76E-08	-0.013	0.028	0.633	0.009	31.726	TRUE	4.62E-08
COPD in ever smokers	WWOX	cg04609912	rs8048266	C	A	0.140	0.024	0.400	4.00E-09	-0.007	0.015	0.652	0.009	34.607	TRUE	1.10E-08
COPD in ever smokers	WWOX	cg04609912	rs8052888	T	C	0.284	0.031	0.173	1.18E-20	0.002	0.019	0.938	0.023	86.793	TRUE	6.49E-20
COPD in ever smokers	WWOX	cg04609912	rs9928690	G	A	-0.139	0.024	0.402	4.02E-09	-0.013	0.015	0.379	0.009	34.594	TRUE	1.67E-08
COPD in ever smokers	WWOX	cg04609912	rs9940348	T	C	-0.606	0.032	0.149	1.09E-80	-0.024	0.021	0.241	0.089	361.688	TRUE	1.71E-74
COPD in ever smokers	WWOX	cg06252160	rs67933378	A	G	-0.184	0.032	0.159	6.54E-09	0.001	0.020	0.968	0.009	33.650	TRUE	1.17E-08
COPD in ever smokers	WWOX	cg07207813	rs16947616	G	A	-0.838	0.097	0.015	8.03E-18	0.030	0.062	0.628	0.020	73.906	TRUE	5.93E-17
COPD in ever smokers	WWOX	cg07207813	rs58980559	G	A	-0.323	0.036	0.122	2.22E-19	-0.017	0.022	0.429	0.021	80.986	TRUE	3.10E-18
COPD in ever smokers	WWOX	cg07207813	rs7189823	T	G	-0.956	0.041	0.082	5.28E-119	0.003	0.027	0.920	0.127	537.656	TRUE	2.25E-110
COPD in ever smokers	WWOX	cg07207813	rs7193816	A	G	-0.221	0.040	0.096	3.74E-08	-0.047	0.025	0.058	0.008	30.262	TRUE	3.41E-07
COPD in ever smokers	WWOX	cg07493562	rs28529286	T	C	0.471	0.065	0.066	4.50E-13	-0.029	0.028	0.310	0.014	52.384	TRUE	3.68E-12
COPD in ever smokers	WWOX	cg07493562	rs4430758	G	A	-0.166	0.027	0.248	6.56E-10	0.013	0.017	0.465	0.010	38.126	TRUE	2.60E-09
COPD in ever smokers	WWOX	cg07493562	rs7500549	T	C	-0.137	0.023	0.464	4.25E-09	0.026	0.015	0.085	0.009	34.486	TRUE	3.94E-08
COPD in ever smokers	WWOX	cg07674304	rs11640157	A	C	-0.397	0.059	0.041	1.21E-11	-0.011	0.037	0.764	0.012	45.927	TRUE	3.66E-11
COPD in ever smokers	WWOX	cg07674304	rs11641340	G	A	-0.301	0.043	0.083	1.93E-12	0.015	0.027	0.582	0.013	49.528	TRUE	8.44E-12
COPD in ever smokers	WWOX	cg07674304	rs12446075	G	A	-0.148	0.025	0.295	5.78E-09	-0.040	0.016	0.013	0.009	33.888	TRUE	1.07E-07
COPD in ever smokers	WWOX	cg07674304	rs12598440	C	T	-0.271	0.023	0.453	1.62E-31	-0.029	0.015	0.051	0.036	136.336	TRUE	1.05E-28
COPD in ever smokers	WWOX	cg07674304	rs2738740	G	T	-0.348	0.040	0.094	2.60E-18	0.001	0.025	0.982	0.020	76.127	TRUE	1.05E-17
COPD in ever smokers	WWOX	cg07674304	rs3743681	A	C	-0.959	0.038	0.101	2.10E-142	-0.005	0.024	0.847	0.149	645.179	TRUE	8.83E-131
COPD in ever smokers	WWOX	cg07674304	rs4513111	T	C	-0.558	0.043	0.077	9.99E-38	-0.015	0.026	0.574	0.043	164.735	TRUE	1.12E-35
COPD in ever smokers	WWOX	cg07674304	rs62034038	A	G	-0.333	0.060	0.039	3.27E-08	0.054	0.035	0.127	0.008	30.524	TRUE	2.17E-07
COPD in ever smokers	WWOX	cg07674304	rs9923563	C	T	-0.245	0.028	0.226	1.78E-18	-0.015	0.018	0.409	0.020	76.881	TRUE	2.31E-17
COPD in ever smokers	WWOX	cg08173834	rs28609420	G	T	-0.293	0.053	0.055	4.30E-08	-0.012	0.031	0.709	0.008	29.993	TRUE	9.85E-08
COPD in ever smokers	WWOX	cg08173834	rs74029558	A	C	-0.909	0.109	0.012	8.03E-17	0.047	0.066	0.478	0.018	69.364	TRUE	7.21E-16
COPD in ever smokers	WWOX	cg08748098	rs9940608	T	C	-0.548	0.047	0.119	5.22E-31	0.041	0.022	0.067	0.035	134.018	TRUE	2.46E-28
COPD in ever smokers	WWOX	cg09038266	rs9940536	T	C	0.262	0.025	0.315	4.26E-26	0.014	0.016	0.401	0.029	111.590	TRUE	1.57E-24
COPD in ever smokers	WWOX	cg09437479	rs1877281	A	G	-0.211	0.028	0.212	7.25E-14	-0.042	0.018	0.021	0.015	55.969	TRUE	3.12E-12
COPD in ever smokers	WWOX	cg09466698	rs117085835	A	G	-0.475	0.071	0.024	2.66E-11	0.007	0.040	0.863	0.012	44.388	TRUE	6.74E-11
COPD in ever smokers	WWOX	cg09466698	rs11864315	T	C	-0.173	0.028	0.202	1.13E-09	0.026	0.018	0.143	0.010	37.061	TRUE	9.05E-09
COPD in ever smokers	WWOX	cg09466698	rs142789964	T	C	-0.869	0.159	0.014	4.98E-08	0.011	0.062	0.866	0.008	29.707	TRUE	9.40E-08
COPD in ever smokers	WWOX	cg09466698	rs3751773	T	C	0.200	0.024	0.493	2.21E-17	-0.008	0.015	0.592	0.019	71.908	TRUE	1.67E-16
COPD in ever smokers	WWOX	cg09466698	rs7190035	C	T	0.214	0.025	0.316	8.80E-18	0.002	0.016	0.901	0.020	73.724	TRUE	3.89E-17
COPD in ever smokers	WWOX	cg09466698	rs7200742	T	C	-0.728	0.027	0.221	1.06E-160	0.022	0.018	0.227	0.165	729.272	TRUE	1.00E-144
COPD in ever smokers	WWOX	cg09466698	rs7204985	A	G	0.201	0.025	0.307	3.03E-15	0.012	0.016	0.449	0.017	62.211	TRUE	2.39E-14
COPD in ever smokers	WWOX	cg09466698	rs72806827	A	G	0.230	0.034	0.139	9.40E-12	-0.013	0.021	0.554	0.012	46.424	TRUE	3.99E-11
COPD in ever smokers	WWOX	cg09466698	rs9928004	C	A	0.188	0.024	0.432	2.51E-15	0.001	0.015	0.946	0.017	62.586	TRUE	8.09E-15

COPD in ever smokers	WWOX	cg10001715	rs2077576	C	T	-0.248	0.041	0.088	1.32E-09	-0.019	0.026	0.480	0.010	36.758	TRUE	4.93E-09
COPD in ever smokers	WWOX	cg10001715	rs35272142	A	C	0.174	0.031	0.177	2.64E-08	0.024	0.020	0.232	0.008	30.936	TRUE	1.32E-07
COPD in ever smokers	WWOX	cg10001715	rs4074541	C	A	-0.222	0.025	0.309	5.93E-19	-0.027	0.016	0.080	0.021	79.047	TRUE	3.11E-17
COPD in ever smokers	WWOX	cg10001715	rs7199349	G	T	-0.405	0.024	0.379	1.91E-64	0.001	0.015	0.942	0.072	287.158	TRUE	4.71E-61
COPD in ever smokers	WWOX	cg10001715	rs72792342	G	T	-0.745	0.049	0.050	1.73E-51	0.003	0.031	0.916	0.058	227.753	TRUE	5.42E-49
COPD in ever smokers	WWOX	cg10001715	rs72803903	T	C	-0.667	0.115	0.012	6.78E-09	-0.115	0.069	0.098	0.009	33.580	TRUE	5.69E-08
COPD in ever smokers	WWOX	cg10001715	rs74029900	A	G	-0.250	0.024	0.401	1.40E-25	-0.016	0.016	0.315	0.029	109.233	TRUE	6.36E-24
COPD in ever smokers	WWOX	cg10001715	rs9933749	T	G	0.218	0.024	0.423	3.27E-20	0.005	0.015	0.728	0.022	84.772	TRUE	2.60E-19
COPD in ever smokers	WWOX	cg10466626	rs11641434	C	T	-0.293	0.038	0.092	2.07E-14	-0.021	0.026	0.427	0.016	58.434	TRUE	1.54E-13
COPD in ever smokers	WWOX	cg10466626	rs12446679	T	G	-0.752	0.094	0.029	1.09E-15	-0.003	0.050	0.945	0.017	64.234	TRUE	3.63E-15
COPD in ever smokers	WWOX	cg10855967	rs11545028	T	C	-0.522	0.024	0.345	4.55E-102	0.020	0.016	0.215	0.111	459.863	TRUE	1.45E-93
COPD in ever smokers	WWOX	cg10855967	rs17775590	T	G	0.240	0.028	0.216	1.61E-17	-0.005	0.018	0.782	0.019	72.535	TRUE	8.58E-17
COPD in ever smokers	WWOX	cg10855967	rs71396130	A	G	-0.235	0.025	0.304	1.23E-20	0.003	0.016	0.850	0.023	86.712	TRUE	8.01E-20
COPD in ever smokers	WWOX	cg10855967	rs719743	C	A	0.182	0.026	0.275	1.86E-12	-0.009	0.017	0.582	0.013	49.601	TRUE	8.14E-12
COPD in ever smokers	WWOX	cg10855967	rs72800913	G	A	0.220	0.035	0.131	2.27E-10	0.003	0.021	0.887	0.011	40.201	TRUE	5.11E-10
COPD in ever smokers	WWOX	cg10855967	rs75606626	A	G	-0.401	0.058	0.042	3.23E-12	-0.004	0.037	0.909	0.013	48.519	TRUE	8.31E-12
COPD in ever smokers	WWOX	cg10855967	rs889418	A	G	-0.254	0.030	0.189	1.82E-17	0.036	0.019	0.058	0.019	72.288	TRUE	9.07E-16
COPD in ever smokers	WWOX	cg16747717	rs4888775	G	A	-0.131	0.023	0.392	2.33E-08	0.016	0.015	0.305	0.008	31.179	TRUE	1.00E-07
COPD in ever smokers	WWOX	cg16747717	rs78481124	T	C	-0.936	0.130	0.010	6.49E-13	0.063	0.069	0.362	0.014	51.664	TRUE	4.59E-12
COPD in ever smokers	WWOX	cg26691179	rs55663738	T	C	-0.193	0.035	0.132	3.81E-08	0.037	0.022	0.086	0.008	30.226	TRUE	2.95E-07
COPD in ever smokers	WWOX	cg26691179	rs77451018	C	T	0.183	0.032	0.166	6.90E-09	0.024	0.020	0.226	0.009	33.544	TRUE	3.81E-08
COPD in ever smokers	WWOX	cg26691179	rs9319519	A	G	-0.224	0.024	0.400	6.07E-21	-0.012	0.015	0.445	0.023	88.100	TRUE	9.95E-20
COPD in ever smokers	WWOX	cg27002639	rs78668939	T	C	-0.608	0.097	0.012	2.95E-10	0.065	0.065	0.315	0.011	39.686	TRUE	1.62E-09
COPD in ever smokers	WWOX	cg27109907	rs7205541	A	G	0.184	0.024	0.401	1.32E-14	-0.006	0.015	0.702	0.016	59.311	TRUE	5.98E-14
COPD in never smokers	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	-0.013	0.021	0.547	0.009	33.777	TRUE	1.90E-08
COPD in never smokers	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	-0.007	0.021	0.735	0.026	99.595	TRUE	2.07E-22
COPD in never smokers	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	-0.004	0.024	0.854	0.024	91.104	TRUE	9.55E-21
COPD in never smokers	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	-0.018	0.019	0.363	0.023	85.706	TRUE	3.88E-19
COPD in never smokers	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	0.043	0.018	0.018	0.096	394.415	TRUE	2.78E-79
COPD in never smokers	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	0.018	0.020	0.350	0.012	45.752	TRUE	8.10E-11
COPD in never smokers	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	0.019	0.024	0.431	0.024	91.003	TRUE	2.58E-20
COPD in never smokers	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	-0.011	0.021	0.592	0.166	735.001	TRUE	4.80E-147
COPD in never smokers	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	-0.018	0.029	0.529	0.021	80.430	TRUE	3.18E-18
COPD in never smokers	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	-0.007	0.021	0.735	0.009	32.239	TRUE	3.15E-08
COPD in never smokers	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	-0.005	0.019	0.781	0.012	44.331	TRUE	7.79E-11
COPD in never smokers	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	-0.004	0.024	0.854	0.012	43.529	TRUE	1.04E-10
COPD in never smokers	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	-0.017	0.024	0.473	0.019	72.679	TRUE	1.49E-16
COPD in never smokers	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	-0.011	0.021	0.592	0.008	30.509	TRUE	8.87E-08
COPD in never smokers	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	0.005	0.017	0.750	0.064	253.540	TRUE	5.48E-54
COPD in never smokers	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	0.008	0.017	0.620	0.011	42.716	TRUE	2.18E-10
COPD in never smokers	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	-0.007	0.021	0.735	0.010	38.437	TRUE	1.49E-09
COPD in never smokers	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	-0.010	0.017	0.546	0.012	44.293	TRUE	1.14E-10

COPD in never smokers	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	-0.007	0.022	0.746	0.020	74.207	TRUE	4.09E-17
COPD in never smokers	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	0.040	0.017	0.015	0.014	53.493	TRUE	1.15E-11
COPD in never smokers	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	0.041	0.046	0.377	0.010	36.790	TRUE	5.80E-09
COPD in never smokers	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	-0.005	0.017	0.774	0.009	34.512	TRUE	9.77E-09
COPD in never smokers	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	-0.019	0.039	0.630	0.011	42.884	TRUE	1.98E-10
COPD in never smokers	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	-0.011	0.022	0.597	0.064	251.555	TRUE	2.38E-53
COPD in never smokers	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	-0.010	0.022	0.648	0.016	59.617	TRUE	5.67E-14
COPD in never smokers	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	0.016	0.016	0.318	0.017	63.888	TRUE	1.46E-14
COPD in never smokers	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	0.017	0.020	0.378	0.022	82.999	TRUE	1.35E-18
COPD in never smokers	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	-0.007	0.021	0.735	0.009	34.235	TRUE	1.18E-08
COPD in never smokers	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	-0.011	0.021	0.597	0.072	284.859	TRUE	4.79E-60
COPD in never smokers	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	0.008	0.017	0.620	0.014	51.736	TRUE	2.71E-12
COPD in never smokers	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	-0.027	0.017	0.115	0.016	59.829	TRUE	2.10E-13
COPD in never smokers	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	0.006	0.017	0.708	0.010	37.355	TRUE	2.64E-09
COPD in never smokers	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	0.006	0.019	0.769	0.008	31.397	TRUE	4.57E-08
COPD in never smokers	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	-0.008	0.017	0.625	0.014	52.455	TRUE	1.90E-12
COPD in never smokers	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	0.006	0.026	0.826	0.008	29.901	TRUE	8.94E-08
COPD in never smokers	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	0.040	0.017	0.015	0.019	72.925	TRUE	1.41E-15
COPD in never smokers	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	0.013	0.018	0.485	0.012	43.708	TRUE	1.68E-10
COPD in never smokers	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	0.008	0.019	0.682	0.016	58.274	TRUE	1.02E-13
COPD in never smokers	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	-0.013	0.022	0.557	0.075	300.418	TRUE	4.31E-63
COPD in never smokers	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	-0.014	0.017	0.406	0.017	64.683	TRUE	8.02E-15
COPD in never smokers	AIRE	cg03146797	rs1055311	T	C	0.324	0.026	0.283	1.17E-36	0.016	0.018	0.368	0.041	159.843	TRUE	2.26E-34
COPD in never smokers	AIRE	cg03146797	rs12482028	C	T	-0.183	0.027	0.227	1.84E-11	-0.011	0.020	0.562	0.012	45.113	TRUE	7.45E-11
COPD in never smokers	AIRE	cg08089567	rs2838534	C	T	-0.256	0.042	0.083	1.10E-09	-0.040	0.030	0.189	0.010	37.113	TRUE	7.62E-09
COPD in never smokers	AIRE	cg09510531	rs12482412	C	T	0.146	0.024	0.401	1.45E-09	0.005	0.017	0.789	0.010	36.586	TRUE	3.45E-09
COPD in never smokers	AIRE	cg09510531	rs2741985	C	T	-0.140	0.024	0.366	6.59E-09	-0.013	0.017	0.447	0.009	33.633	TRUE	2.38E-08
COPD in never smokers	AIRE	cg09510531	rs2776375	A	G	0.144	0.024	0.427	1.88E-09	-0.025	0.017	0.127	0.010	36.071	TRUE	1.54E-08
COPD in never smokers	AIRE	cg09510531	rs2838534	C	T	-0.287	0.042	0.083	7.13E-12	-0.040	0.030	0.189	0.013	46.967	TRUE	6.89E-11
COPD in never smokers	AIRE	cg11923631	rs2741985	C	T	-0.150	0.024	0.366	4.79E-10	-0.013	0.017	0.447	0.010	38.742	TRUE	1.99E-09
COPD in never smokers	AIRE	cg11923631	rs2838534	C	T	-0.287	0.042	0.083	7.00E-12	-0.040	0.030	0.189	0.013	47.002	TRUE	6.78E-11
COPD in never smokers	AIRE	cg11923631	rs762420	A	G	-0.212	0.039	0.102	4.11E-08	0.029	0.026	0.276	0.008	30.079	TRUE	1.81E-07
COPD in never smokers	AIRE	cg16501323	rs12482412	C	T	0.147	0.024	0.401	1.28E-09	0.005	0.017	0.789	0.010	36.830	TRUE	3.06E-09
COPD in never smokers	AIRE	cg16501323	rs2776375	A	G	0.141	0.024	0.427	3.88E-09	-0.025	0.017	0.127	0.009	34.662	TRUE	3.02E-08
COPD in never smokers	AIRE	cg16501323	rs2838534	C	T	-0.303	0.042	0.083	4.63E-13	-0.040	0.030	0.189	0.014	52.329	TRUE	5.36E-12
COPD in never smokers	AIRE	cg16717549	rs2838534	C	T	-0.292	0.042	0.083	3.25E-12	-0.040	0.030	0.189	0.013	48.504	TRUE	3.31E-11
COPD in never smokers	AIRE	cg16717549	rs762420	A	G	-0.211	0.039	0.102	4.71E-08	0.029	0.026	0.276	0.008	29.818	TRUE	2.05E-07
COPD in never smokers	AIRE	cg17356252	rs2838534	C	T	-0.250	0.042	0.083	2.65E-09	-0.040	0.030	0.189	0.009	35.410	TRUE	1.72E-08
COPD in never smokers	AIRE	cg18689454	rs2838534	C	T	-0.309	0.042	0.083	1.68E-13	-0.040	0.030	0.189	0.014	54.324	TRUE	2.07E-12
COPD in never smokers	AIRE	cg23366234	rs111411199	C	T	0.209	0.023	0.484	1.87E-19	-0.054	0.017	0.001	0.022	81.325	TRUE	8.43E-17
COPD in never smokers	AIRE	cg26472802	rs111411199	C	T	0.199	0.023	0.484	9.57E-18	-0.054	0.017	0.001	0.019	73.559	TRUE	2.92E-15
COPD in never smokers	AIRE	cg27251412	rs12482412	C	T	0.145	0.024	0.401	1.98E-09	0.005	0.017	0.789	0.010	35.976	TRUE	4.66E-09

COPD in never smokers	AIRE	cg27251412	rs2838534	C	T	-0.283	0.042	0.083	1.55E-11	-0.040	0.030	0.189	0.012	45.444	TRUE	1.42E-10
COPD in never smokers	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	-0.027	0.048	0.574	0.014	53.476	TRUE	1.26E-12
COPD in never smokers	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	0.029	0.017	0.083	0.014	51.210	TRUE	1.48E-11
COPD in never smokers	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	0.034	0.017	0.048	0.017	65.306	TRUE	2.68E-14
COPD in never smokers	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	-0.016	0.048	0.735	0.014	51.552	TRUE	2.46E-12
COPD in never smokers	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	-0.020	0.027	0.451	0.024	92.082	TRUE	1.46E-20
COPD in never smokers	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	-0.050	0.019	0.008	0.009	33.796	TRUE	1.30E-07
COPD in never smokers	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	-0.096	0.045	0.032	0.011	42.261	TRUE	1.56E-09
COPD in never smokers	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	-0.011	0.042	0.797	0.014	52.151	TRUE	1.67E-12
COPD in never smokers	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	-0.031	0.021	0.127	0.010	37.052	TRUE	9.67E-09
COPD in never smokers	AP3B2	cg14907737	rs7181761	G	A	-0.137	0.024	0.369	2.16E-08	0.031	0.017	0.071	0.008	31.325	TRUE	1.90E-07
COPD in never smokers	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	-0.067	0.061	0.274	0.037	142.831	TRUE	9.85E-31
COPD in never smokers	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	-0.072	0.051	0.160	0.025	93.851	TRUE	1.75E-20
COPD in never smokers	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	-0.047	0.020	0.018	0.008	29.857	TRUE	6.19E-07
COPD in never smokers	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	0.034	0.017	0.048	0.015	56.581	TRUE	1.59E-12
COPD in never smokers	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	0.048	0.019	0.010	0.008	29.766	TRUE	7.65E-07
COPD in never smokers	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	-0.026	0.020	0.195	0.017	62.195	TRUE	4.81E-14
COPD in never smokers	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	-0.106	0.071	0.139	0.113	469.497	TRUE	4.56E-95
COPD in never smokers	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	-0.043	0.044	0.329	0.021	79.528	TRUE	8.14E-18
COPD in never smokers	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	-0.064	0.019	8.45E-04	0.010	36.068	TRUE	8.59E-08
COPD in never smokers	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	-0.007	0.031	0.819	0.016	59.989	TRUE	3.53E-14
COPD in never smokers	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	-0.026	0.020	0.195	0.013	48.151	TRUE	3.84E-11
COPD in never smokers	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	-0.030	0.021	0.147	0.018	67.773	TRUE	4.18E-15
COPD in never smokers	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	0.049	0.018	0.008	0.013	47.149	TRUE	2.77E-10
COPD in never smokers	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	-0.026	0.020	0.195	0.020	74.575	TRUE	1.35E-16
COPD in never smokers	AP3D1	cg09261902	rs117292860	A	C	0.295	0.048	0.125	8.86E-10	0.033	0.025	0.180	0.010	37.541	TRUE	6.37E-09
COPD in never smokers	AP3D1	cg09261902	rs2238599	C	T	-0.571	0.022	0.498	2.54E-142	-0.039	0.016	0.018	0.148	644.796	TRUE	6.88E-127
COPD in never smokers	AP3D1	cg09261902	rs58491369	T	C	-0.275	0.030	0.184	1.39E-19	-0.063	0.021	0.003	0.022	81.918	TRUE	4.41E-17
COPD in never smokers	AP3D1	cg09261902	rs74984359	A	G	0.898	0.058	0.040	3.75E-54	-0.027	0.040	0.510	0.061	239.965	TRUE	7.20E-51
COPD in never smokers	AP3D1	cg09548694	rs35500266	T	C	-0.184	0.024	0.428	9.80E-15	0.046	0.017	0.006	0.016	59.903	TRUE	8.85E-13
COPD in never smokers	AP3D1	cg09548694	rs73516521	C	T	0.218	0.034	0.127	2.66E-10	-0.011	0.024	0.629	0.011	39.887	TRUE	8.54E-10
COPD in never smokers	AP3D1	cg09548694	rs75483641	T	C	0.495	0.031	0.161	1.20E-55	-0.073	0.022	0.001	0.063	246.814	TRUE	1.99E-49
COPD in never smokers	AP3D1	cg10746224	rs2240130	A	G	-0.248	0.036	0.257	9.68E-12	0.038	0.018	0.038	0.012	46.367	TRUE	2.12E-10
COPD in never smokers	AP3D1	cg10746224	rs73916852	A	G	-0.930	0.099	0.013	3.84E-21	0.041	0.070	0.560	0.023	89.007	TRUE	4.87E-20
COPD in never smokers	AP3D1	cg11349093	rs79847850	C	T	-0.219	0.031	0.167	3.51E-12	-0.077	0.022	6.43E-04	0.013	48.356	TRUE	3.58E-10
COPD in never smokers	AP3D1	cg17656426	rs4807216	C	T	-0.219	0.033	0.140	3.37E-11	-0.049	0.024	0.042	0.012	43.928	TRUE	6.31E-10
COPD in never smokers	AP3D1	cg17656426	rs62128400	A	G	0.565	0.023	0.429	8.87E-133	0.047	0.017	0.004	0.140	600.945	TRUE	6.91E-118
COPD in never smokers	AP3D1	cg17656426	rs73516521	C	T	-0.196	0.035	0.127	1.46E-08	-0.011	0.024	0.629	0.009	32.087	TRUE	3.89E-08
COPD in never smokers	AP3D1	cg17656426	rs75223679	A	G	-0.276	0.032	0.168	2.07E-18	-0.077	0.022	5.03E-04	0.020	76.579	TRUE	1.08E-15
COPD in never smokers	AP3D1	cg17656426	rs886449	A	G	-0.223	0.029	0.205	2.85E-14	0.045	0.020	0.024	0.015	57.801	TRUE	1.27E-12
COPD in never smokers	AP3D1	cg19290738	rs112415544	A	G	-0.527	0.093	0.014	1.65E-08	0.051	0.069	0.462	0.009	31.851	TRUE	5.53E-08
COPD in never smokers	AP3D1	cg19290738	rs117473937	A	G	0.739	0.128	0.018	7.00E-09	-0.104	0.071	0.139	0.009	33.516	TRUE	4.98E-08

COPD in never smokers	AP3D1	cg19290738	rs2523178	A	G	-0.278	0.026	0.290	3.59E-27	-0.025	0.018	0.179	0.031	116.496	TRUE	3.72E-25
COPD in never smokers	AP3D1	cg19290738	rs55825817	T	C	-0.150	0.024	0.409	2.89E-10	-0.011	0.017	0.529	0.011	39.726	TRUE	1.08E-09
COPD in never smokers	AP3D1	cg19290738	rs7245402	A	G	-0.156	0.025	0.328	4.59E-10	-0.035	0.018	0.050	0.010	38.825	TRUE	6.42E-09
COPD in never smokers	AP3D1	cg19290738	rs73512109	A	G	0.241	0.044	0.080	4.00E-08	-0.045	0.031	0.149	0.008	30.132	TRUE	2.43E-07
COPD in never smokers	AP3D1	cg19290738	rs73516521	C	T	-0.296	0.034	0.127	9.22E-18	-0.011	0.024	0.629	0.020	73.632	TRUE	6.76E-17
COPD in never smokers	AP3D1	cg19290738	rs74521370	A	G	0.646	0.096	0.019	1.57E-11	-0.103	0.060	0.083	0.012	45.424	TRUE	2.27E-10
COPD in never smokers	AP3D1	cg19290738	rs75223679	A	G	-0.563	0.031	0.168	4.22E-74	-0.077	0.022	5.03E-04	0.082	331.465	TRUE	1.24E-65
COPD in never smokers	AP3D1	cg19290738	rs757595	T	C	-0.472	0.041	0.080	3.78E-30	-0.046	0.030	0.126	0.034	130.090	TRUE	8.86E-28
COPD in never smokers	AP3D1	cg19290738	rs758287	C	T	0.904	0.018	0.428	<1E-200	0.050	0.017	0.003	0.393	2392.083	TRUE	<1E-200
COPD in never smokers	AP3D1	cg19290738	rs886449	A	G	-0.560	0.029	0.205	2.84E-85	0.045	0.020	0.024	0.094	382.739	TRUE	3.78E-77
COPD in never smokers	AP3D1	cg21414902	rs2018890	G	A	-0.169	0.023	0.428	6.74E-13	0.047	0.017	0.004	0.014	51.591	TRUE	4.46E-11
COPD in never smokers	AP3D1	cg22598241	rs2238612	T	C	0.383	0.023	0.499	1.71E-62	-0.038	0.016	0.020	0.070	278.205	TRUE	1.30E-56
COPD in never smokers	AP3D1	cg22598241	rs58491369	T	C	0.193	0.030	0.184	2.02E-10	-0.063	0.021	0.003	0.011	40.423	TRUE	8.02E-09
COPD in never smokers	AP3D1	cg22598241	rs77671679	T	C	-1.273	0.060	0.035	1.60E-101	-0.035	0.042	0.405	0.110	457.351	TRUE	1.10E-93
COPD in never smokers	AP3D1	cg24185130	rs12608586	T	G	-0.545	0.091	0.014	2.40E-09	0.051	0.069	0.463	0.010	35.596	TRUE	8.93E-09
COPD in never smokers	AP3D1	cg24185130	rs12609225	G	A	-0.565	0.027	0.234	3.43E-94	-0.058	0.020	0.003	0.103	423.685	TRUE	4.11E-84
COPD in never smokers	AP3D1	cg24185130	rs7246186	A	G	-0.169	0.024	0.375	3.99E-12	-0.080	0.017	4.61E-06	0.013	48.101	TRUE	1.38E-09
COPD in never smokers	AP3D1	cg27089789	rs1106861	A	G	-1.486	0.060	0.035	7.30E-135	-0.033	0.042	0.430	0.142	610.522	TRUE	3.61E-123
COPD in never smokers	AP3D1	cg27089789	rs2238612	T	C	0.137	0.023	0.499	4.38E-09	-0.038	0.016	0.020	0.009	34.430	TRUE	7.19E-08
COPD in never smokers	ARL16	cg08782899	rs34384005	G	A	0.475	0.051	0.057	1.22E-20	0.036	0.034	0.288	0.023	86.727	TRUE	3.01E-19
COPD in never smokers	ARL16	cg19292749	rs145397742	G	A	0.365	0.067	0.038	4.56E-08	-0.044	0.045	0.325	0.008	29.881	TRUE	1.81E-07
COPD in never smokers	ARL16	cg19292749	rs6565592	T	G	0.142	0.025	0.300	1.52E-08	-0.012	0.018	0.512	0.009	32.013	TRUE	4.75E-08
COPD in never smokers	ARL16	cg19292749	rs76645549	A	G	0.484	0.075	0.026	1.02E-10	0.122	0.049	0.012	0.011	41.751	TRUE	2.86E-09
COPD in never smokers	ARL16	cg19292749	rs8066889	G	T	0.445	0.028	0.221	1.04E-57	0.011	0.020	0.564	0.065	256.277	TRUE	3.01E-54
COPD in never smokers	ARL16	cg22209573	rs35619236	C	T	0.289	0.051	0.055	1.66E-08	0.044	0.034	0.202	0.009	31.835	TRUE	9.21E-08
COPD in never smokers	ATP13A2	cg03937609	rs6703561	A	G	0.493	0.061	0.038	5.92E-16	-0.003	0.043	0.950	0.017	65.428	TRUE	2.01E-15
COPD in never smokers	ATP13A2	cg06953703	rs9435739	G	A	0.159	0.025	0.332	1.31E-10	-0.052	0.018	0.003	0.011	41.276	TRUE	5.73E-09
COPD in never smokers	ATP13A2	cg16027378	rs2235930	A	G	0.142	0.024	0.418	1.72E-09	-0.028	0.017	0.102	0.010	36.245	TRUE	1.58E-08
COPD in never smokers	ATP13A2	cg22045253	rs34778293	A	G	0.279	0.048	0.062	5.82E-09	0.025	0.032	0.442	0.009	33.876	TRUE	2.13E-08
COPD in never smokers	ATP13A2	cg22045253	rs56047197	A	G	0.532	0.026	0.266	1.10E-90	-0.036	0.019	0.056	0.099	407.587	TRUE	1.88E-82
COPD in never smokers	ATP13A2	cg22045253	rs9435730	G	A	-0.182	0.031	0.165	4.17E-09	-0.044	0.022	0.046	0.009	34.524	TRUE	5.03E-08
COPD in never smokers	ATP2A3	cg00095677	rs2176323	T	C	0.312	0.050	0.123	4.59E-10	0.002	0.026	0.945	0.010	38.825	TRUE	9.32E-10
COPD in never smokers	ATP2A3	cg00095677	rs2240805	A	G	0.252	0.033	0.362	4.16E-14	0.000	0.017	0.986	0.015	57.062	TRUE	1.13E-13
COPD in never smokers	ATP2A3	cg00095677	rs56172839	T	C	-1.184	0.090	0.042	1.01E-39	-0.046	0.044	0.296	0.045	173.873	TRUE	4.28E-37
COPD in never smokers	ATP2A3	cg00095677	rs7208941	T	G	-1.378	0.033	0.137	<1E-200	-0.016	0.024	0.502	0.315	1702.561	TRUE	<1E-200
COPD in never smokers	ATP2A3	cg00095677	rs79760850	C	T	-0.921	0.102	0.020	1.71E-19	-0.018	0.054	0.746	0.022	81.500	TRUE	1.21E-18
COPD in never smokers	ATP2A3	cg01703329	rs8070203	C	A	0.499	0.028	0.232	1.05E-72	-0.019	0.020	0.334	0.081	325.055	TRUE	1.58E-67
COPD in never smokers	ATP2A3	cg01703329	rs933210	T	C	-0.162	0.030	0.190	4.48E-08	-0.020	0.021	0.341	0.008	29.914	TRUE	1.73E-07
COPD in never smokers	ATP2A3	cg01703329	rs9895032	T	C	0.180	0.023	0.495	1.11E-14	-0.053	0.017	0.001	0.016	59.667	TRUE	1.64E-12
COPD in never smokers	ATP2A3	cg06463185	rs12936489	T	C	-0.815	0.043	0.142	1.78E-80	-0.019	0.023	0.422	0.089	360.720	TRUE	8.55E-75
COPD in never smokers	ATP2A3	cg06463185	rs142472050	A	G	0.291	0.052	0.109	1.91E-08	-0.020	0.027	0.461	0.008	31.565	TRUE	6.37E-08
COPD in never smokers	ATP2A3	cg06463185	rs56172839	T	C	-0.636	0.092	0.042	4.11E-12	-0.046	0.044	0.296	0.013	48.045	TRUE	3.05E-11

COPD in never smokers	ATP2A3	cg06463185	rs79760850	C	T	-0.652	0.102	0.020	1.36E-10	-0.018	0.054	0.746	0.011	41.200	TRUE	3.80E-10
COPD in never smokers	ATP2A3	cg09013975	rs7213688	A	G	-0.198	0.030	0.194	3.57E-11	-0.019	0.021	0.357	0.012	43.814	TRUE	2.03E-10
COPD in never smokers	ATP2A3	cg11608582	rs7215058	A	C	0.259	0.041	0.177	2.09E-10	-0.032	0.021	0.136	0.011	40.358	TRUE	1.94E-09
COPD in never smokers	ATP2A3	cg12868320	rs34689261	G	A	0.247	0.044	0.137	1.95E-08	-0.009	0.025	0.716	0.008	31.524	TRUE	4.59E-08
COPD in never smokers	ATP2A3	cg18963239	rs11871473	C	T	0.247	0.025	0.346	2.10E-23	-0.031	0.017	0.076	0.026	99.314	TRUE	2.41E-21
COPD in never smokers	ATP2A3	cg18963239	rs12325787	T	C	0.189	0.030	0.186	2.03E-10	-0.021	0.021	0.314	0.011	40.419	TRUE	1.14E-09
COPD in never smokers	ATP2A3	cg20473595	rs11871473	C	T	0.348	0.025	0.346	6.65E-45	-0.031	0.017	0.076	0.051	197.587	TRUE	3.46E-41
COPD in never smokers	ATP2A3	cg20473595	rs2301351	T	C	0.263	0.037	0.255	8.61E-13	-0.023	0.019	0.222	0.014	51.111	TRUE	8.61E-12
COPD in never smokers	ATP2A3	cg20473595	rs7214726	A	G	0.261	0.040	0.190	8.22E-11	-0.050	0.022	0.022	0.011	42.182	TRUE	1.88E-09
COPD in never smokers	ATP2A3	cg25599198	rs11652572	G	T	0.661	0.105	0.026	2.77E-10	-0.008	0.052	0.881	0.011	39.812	TRUE	6.23E-10
COPD in never smokers	ATP2A3	cg25599198	rs138478638	C	T	0.615	0.036	0.253	2.02E-65	0.008	0.019	0.662	0.073	291.636	TRUE	1.63E-61
COPD in never smokers	ATP2A3	cg25599198	rs28374275	G	A	0.257	0.025	0.346	2.85E-25	-0.029	0.017	0.101	0.028	107.824	TRUE	3.62E-23
COPD in never smokers	ATP2A3	cg25599198	rs7212159	C	T	-0.221	0.030	0.189	1.19E-13	-0.033	0.021	0.118	0.015	54.988	TRUE	2.04E-12
COPD in never smokers	ATP2A3	cg25599198	rs9893372	T	C	0.213	0.035	0.323	1.01E-09	0.021	0.018	0.227	0.010	37.293	TRUE	6.29E-09
COPD in never smokers	ATP2A3	cg25599198	rs9907835	T	G	0.294	0.035	0.131	3.60E-17	-0.057	0.024	0.019	0.019	70.947	TRUE	3.13E-15
COPD in never smokers	ATP2A3	cg25738176	rs111834286	A	G	-0.235	0.037	0.114	2.72E-10	-0.035	0.025	0.167	0.011	39.848	TRUE	2.21E-09
COPD in never smokers	ATP2A3	cg25738176	rs12601931	C	T	0.187	0.030	0.187	6.26E-10	-0.020	0.021	0.336	0.010	38.219	TRUE	3.15E-09
COPD in never smokers	ATP2A3	cg25738176	rs1468573	G	A	-0.299	0.024	0.426	3.81E-36	-0.020	0.017	0.241	0.041	157.501	TRUE	1.18E-33
COPD in never smokers	ATP2A3	cg25738176	rs56369222	A	G	-0.349	0.044	0.233	1.10E-15	0.015	0.019	0.432	0.017	64.200	TRUE	9.53E-15
COPD in never smokers	ATP2A3	cg25738176	rs76401897	T	C	-0.320	0.052	0.053	1.06E-09	0.017	0.039	0.663	0.010	37.194	TRUE	3.04E-09
COPD in never smokers	ATP6V0E2	cg00753630	rs12673849	T	C	-0.502	0.062	0.036	3.58E-16	0.041	0.042	0.333	0.018	66.418	TRUE	4.19E-15
COPD in never smokers	ATP6V0E2	cg00753630	rs4725834	A	G	-0.362	0.024	0.406	1.23E-53	-0.035	0.017	0.038	0.060	237.592	TRUE	7.23E-49
COPD in never smokers	ATP6V0E2	cg01928553	rs12673849	T	C	-0.791	0.061	0.036	2.53E-38	0.041	0.042	0.333	0.043	167.465	TRUE	7.29E-36
COPD in never smokers	ATP6V0E2	cg01928553	rs4725834	A	G	-0.490	0.023	0.406	4.35E-99	-0.035	0.017	0.038	0.108	446.173	TRUE	1.08E-89
COPD in never smokers	ATP6V0E2	cg04600299	rs2240363	C	A	-0.157	0.024	0.401	2.64E-11	-0.030	0.017	0.076	0.012	44.403	TRUE	3.85E-10
COPD in never smokers	ATP6V0E2	cg06961439	rs10250401	T	C	0.192	0.031	0.174	1.04E-09	-0.040	0.022	0.071	0.010	37.226	TRUE	1.17E-08
COPD in never smokers	ATP6V0E2	cg06961439	rs12673849	T	C	-0.536	0.062	0.036	3.19E-18	0.041	0.042	0.333	0.020	75.727	TRUE	4.93E-17
COPD in never smokers	ATP6V0E2	cg06961439	rs4725834	A	G	-0.516	0.023	0.406	2.97E-110	-0.035	0.017	0.038	0.119	497.459	TRUE	1.54E-99
COPD in never smokers	ATP6V0E2	cg06961439	rs6972739	T	G	-0.293	0.037	0.110	5.27E-15	-0.036	0.026	0.169	0.016	61.124	TRUE	8.86E-14
COPD in never smokers	ATP6V0E2	cg06961439	rs76702838	G	A	-0.232	0.036	0.384	8.38E-11	-0.006	0.017	0.718	0.011	42.145	TRUE	2.49E-10
COPD in never smokers	ATP6V0E2	cg07391690	rs2628794	T	C	-0.279	0.036	0.379	4.59E-15	-0.002	0.017	0.901	0.016	61.397	TRUE	1.56E-14
COPD in never smokers	ATP6V0E2	cg07391690	rs62617122	T	G	0.246	0.031	0.172	4.77E-15	-0.036	0.022	0.102	0.016	61.320	TRUE	1.12E-13
COPD in never smokers	ATP6V0E2	cg07391690	rs6947011	C	T	-0.612	0.023	0.370	3.06E-154	-0.045	0.017	0.008	0.159	699.574	TRUE	1.35E-136
COPD in never smokers	ATP6V0E2	cg07993367	rs10270385	C	T	-0.486	0.023	0.406	6.98E-98	-0.031	0.017	0.065	0.106	440.635	TRUE	5.95E-89
COPD in never smokers	ATP6V0E2	cg07993367	rs1809494	C	A	-0.218	0.036	0.370	1.44E-09	-0.010	0.017	0.542	0.010	36.599	TRUE	4.84E-09
COPD in never smokers	ATP6V0E2	cg07993367	rs62621204	T	C	-0.233	0.038	0.111	6.88E-10	-0.028	0.026	0.272	0.010	38.035	TRUE	3.95E-09
COPD in never smokers	ATP6V0E2	cg07993367	rs7795944	G	A	-0.330	0.060	0.039	2.93E-08	0.043	0.041	0.298	0.008	30.740	TRUE	1.26E-07
COPD in never smokers	ATP6V0E2	cg08634133	rs10252161	T	C	0.175	0.032	0.171	4.56E-08	-0.019	0.022	0.392	0.008	29.880	TRUE	1.61E-07
COPD in never smokers	ATP6V0E2	cg08634133	rs12673849	T	C	-0.516	0.062	0.036	5.16E-17	0.041	0.042	0.333	0.019	70.236	TRUE	6.77E-16
COPD in never smokers	ATP6V0E2	cg08634133	rs3735331	G	A	-0.497	0.023	0.407	1.03E-101	-0.034	0.017	0.042	0.110	458.223	TRUE	4.48E-92
COPD in never smokers	ATP6V0E2	cg08634133	rs6972739	T	G	-0.278	0.037	0.110	1.22E-13	-0.036	0.026	0.169	0.015	54.942	TRUE	1.67E-12
COPD in never smokers	ATP6V0E2	cg08634133	rs76702838	G	A	-0.221	0.036	0.384	5.88E-10	-0.006	0.017	0.718	0.010	38.342	TRUE	1.60E-09

COPD in never smokers	ATP6V0E2	cg09469432	rs4725834	A	G	-0.244	0.023	0.406	1.30E-25	-0.035	0.017	0.038	0.029	109.381	TRUE	3.59E-23
COPD in never smokers	ATP6V0E2	cg12691229	rs12673849	T	C	-0.478	0.062	0.036	8.85E-15	0.041	0.042	0.333	0.016	60.104	TRUE	8.59E-14
COPD in never smokers	ATP6V0E2	cg12691229	rs4725834	A	G	-0.471	0.023	0.406	4.02E-91	-0.035	0.017	0.038	0.100	409.596	TRUE	1.27E-82
COPD in never smokers	ATP6V0E2	cg18934443	rs4281041	C	A	-0.275	0.024	0.404	3.14E-31	-0.037	0.017	0.029	0.035	135.024	TRUE	2.95E-28
COPD in never smokers	ATP6V0E2	cg19809988	rs4725834	A	G	-0.419	0.023	0.406	8.27E-72	-0.035	0.017	0.038	0.080	320.944	TRUE	2.49E-65
COPD in never smokers	ATP6V0E2	cg19809988	rs77537835	T	C	-0.466	0.064	0.032	3.49E-13	0.044	0.042	0.294	0.014	52.885	TRUE	3.01E-12
COPD in never smokers	ATP6V0E2	cg23903252	rs10952230	A	G	-0.243	0.044	0.152	4.47E-08	0.033	0.022	0.133	0.008	29.919	TRUE	2.83E-07
COPD in never smokers	ATP6V0E2	cg23903252	rs12673849	T	C	-0.533	0.062	0.036	4.23E-18	0.041	0.042	0.333	0.020	75.169	TRUE	6.43E-17
COPD in never smokers	ATP6V0E2	cg23903252	rs4725834	A	G	-0.512	0.023	0.406	7.08E-109	-0.035	0.017	0.038	0.117	491.132	TRUE	2.51E-98
COPD in never smokers	ATP6V0E2	cg23903252	rs6953743	T	C	0.215	0.033	0.159	6.01E-11	-0.035	0.023	0.122	0.011	42.794	TRUE	6.45E-10
COPD in never smokers	ATP6V0E2	cg24227081	rs117051141	T	C	-0.415	0.062	0.035	2.12E-11	0.043	0.042	0.303	0.012	44.829	TRUE	1.40E-10
COPD in never smokers	ATP6V0E2	cg24227081	rs4725834	A	G	-0.302	0.024	0.406	1.67E-37	-0.035	0.017	0.038	0.042	163.710	TRUE	4.12E-34
COPD in never smokers	ATP6V0E2	cg24845380	rs4725834	A	G	-0.167	0.024	0.406	1.76E-12	-0.035	0.017	0.038	0.013	49.710	TRUE	4.41E-11
COPD in never smokers	ATP6V0E2	cg27527018	rs10250401	T	C	0.181	0.032	0.174	9.39E-09	-0.040	0.022	0.071	0.009	32.946	TRUE	8.86E-08
COPD in never smokers	ATP6V0E2	cg27527018	rs12673849	T	C	-0.525	0.062	0.036	1.44E-17	0.041	0.042	0.333	0.019	72.747	TRUE	2.04E-16
COPD in never smokers	ATP6V0E2	cg27527018	rs4725834	A	G	-0.492	0.023	0.406	4.43E-100	-0.035	0.017	0.038	0.109	450.728	TRUE	1.44E-90
COPD in never smokers	ATP6V0E2	cg27527018	rs6972739	T	G	-0.267	0.037	0.110	1.12E-12	-0.036	0.026	0.169	0.013	50.596	TRUE	1.32E-11
COPD in never smokers	ATP6V1C1	cg03506193	rs116549961	A	G	0.788	0.042	0.100	8.73E-79	0.051	0.028	0.068	0.087	352.960	TRUE	6.31E-72
COPD in never smokers	ATP6V1C1	cg03506193	rs79956307	T	C	0.484	0.087	0.020	2.60E-08	0.073	0.062	0.234	0.008	30.972	TRUE	1.29E-07
COPD in never smokers	ATP6V1C1	cg07079489	rs2458275	A	C	-1.118	0.089	0.044	2.54E-36	0.003	0.041	0.952	0.041	158.308	TRUE	8.29E-35
COPD in never smokers	ATP6V1C1	cg23420841	rs10283404	C	A	0.159	0.026	0.431	5.35E-10	-0.001	0.017	0.972	0.010	38.523	TRUE	1.05E-09
COPD in never smokers	ATP6V1C1	cg23420841	rs2458286	C	T	0.160	0.027	0.344	1.57E-09	-0.003	0.017	0.871	0.010	36.424	TRUE	3.36E-09
COPD in never smokers	ATP6V1C1	cg23420841	rs72669327	T	C	0.472	0.042	0.100	2.23E-29	0.003	0.027	0.908	0.033	126.573	TRUE	3.43E-28
COPD in never smokers	ATP6V1C2	cg01089589	rs11902342	G	A	0.135	0.023	0.451	5.88E-09	0.025	0.017	0.125	0.009	33.856	TRUE	4.45E-08
COPD in never smokers	ATP6V1C2	cg01089589	rs17455729	A	G	-0.888	0.041	0.077	3.69E-103	-0.014	0.030	0.642	0.112	464.871	TRUE	1.07E-95
COPD in never smokers	ATP6V1C2	cg01089589	rs3856466	T	C	0.246	0.029	0.209	1.74E-17	-0.003	0.020	0.883	0.019	72.381	TRUE	7.71E-17
COPD in never smokers	ATP6V1C2	cg08352575	rs1318010	A	G	0.197	0.024	0.384	6.92E-16	0.012	0.017	0.477	0.017	65.120	TRUE	5.54E-15
COPD in never smokers	ATP6V1C2	cg08352575	rs146004635	A	G	-0.751	0.061	0.037	5.09E-35	-0.034	0.045	0.455	0.040	152.355	TRUE	5.63E-33
COPD in never smokers	ATP6V1C2	cg08352575	rs150958118	T	C	-1.072	0.172	0.012	4.87E-10	0.054	0.074	0.467	0.010	38.708	TRUE	1.95E-09
COPD in never smokers	ATP6V1C2	cg08352575	rs2969882	C	T	0.690	0.025	0.273	4.13E-168	0.066	0.018	3.33E-04	0.171	763.329	TRUE	1.50E-146
COPD in never smokers	ATP6V1C2	cg08352575	rs2969891	A	G	0.302	0.025	0.302	1.06E-33	0.012	0.018	0.517	0.038	146.319	TRUE	7.97E-32
COPD in never smokers	ATP6V1C2	cg08352575	rs34847718	T	C	0.136	0.024	0.463	6.85E-09	0.008	0.016	0.621	0.009	33.560	TRUE	1.91E-08
COPD in never smokers	ATP6V1C2	cg08352575	rs3856466	T	C	-0.861	0.028	0.209	6.63E-213	-0.003	0.020	0.883	0.208	969.265	TRUE	8.18E-191
COPD in never smokers	ATP6V1C2	cg08352575	rs72781424	T	C	-0.256	0.045	0.071	1.78E-08	0.003	0.030	0.910	0.008	31.703	TRUE	3.31E-08
COPD in never smokers	ATP6V1C2	cg08803791	rs1198842	T	G	0.147	0.024	0.397	9.77E-10	0.043	0.017	0.012	0.010	37.351	TRUE	2.19E-08
COPD in never smokers	ATP6V1C2	cg08803791	rs6737844	C	T	-0.331	0.024	0.409	5.83E-45	-0.048	0.017	0.004	0.051	197.851	TRUE	3.49E-40
COPD in never smokers	ATP6V1C2	cg18436444	rs1734422	C	A	-0.185	0.024	0.438	3.92E-15	-0.047	0.017	0.004	0.016	61.704	TRUE	4.22E-13
COPD in never smokers	ATP6V1C2	cg21879157	rs11885275	G	A	-0.200	0.028	0.239	5.56E-13	-0.028	0.019	0.146	0.014	51.967	TRUE	7.49E-12
COPD in never smokers	ATP6V1C2	cg22243662	rs113787127	C	T	-0.271	0.034	0.136	1.30E-15	-0.001	0.024	0.976	0.017	63.880	TRUE	4.10E-15
COPD in never smokers	ATP6V1C2	cg22243662	rs12468286	A	G	0.130	0.023	0.457	2.28E-08	0.009	0.017	0.602	0.008	31.222	TRUE	6.17E-08
COPD in never smokers	ATP6V1C2	cg26301562	rs1060011	A	G	0.770	0.123	0.018	3.71E-10	0.009	0.063	0.887	0.010	39.239	TRUE	8.21E-10
COPD in never smokers	ATP6V1C2	cg26301562	rs34533775	C	T	-0.179	0.024	0.379	7.69E-14	-0.057	0.017	7.26E-04	0.015	55.854	TRUE	1.16E-11

COPD in never smokers	ATP6V1E2	cg02822958	rs10209278	C	T	-0.221	0.025	0.325	5.94E-19	0.011	0.018	0.528	0.021	79.045	TRUE	6.21E-18
COPD in never smokers	ATP6V1E2	cg02822958	rs116814191	C	T	-0.473	0.036	0.111	3.82E-39	-0.025	0.026	0.347	0.044	171.222	TRUE	1.18E-36
COPD in never smokers	ATP6V1E2	cg02822958	rs12614710	T	G	0.162	0.024	0.427	7.45E-12	0.004	0.017	0.827	0.013	46.881	TRUE	2.09E-11
COPD in never smokers	ATP6V1E2	cg02822958	rs13011481	T	C	-0.239	0.024	0.414	1.81E-23	-0.013	0.017	0.428	0.026	99.610	TRUE	4.31E-22
COPD in never smokers	ATP6V1E2	cg02822958	rs13011721	G	T	0.645	0.080	0.042	1.07E-15	-0.024	0.043	0.585	0.017	64.264	TRUE	6.74E-15
COPD in never smokers	ATP6V1E2	cg02822958	rs13382833	C	T	-0.382	0.068	0.063	2.40E-08	-0.044	0.037	0.240	0.008	31.123	TRUE	1.18E-07
COPD in never smokers	ATP6V1E2	cg02822958	rs188749997	T	C	-0.434	0.078	0.023	2.79E-08	0.047	0.058	0.424	0.008	30.832	TRUE	9.66E-08
COPD in never smokers	ATP6V1E2	cg02822958	rs60154242	G	A	-0.314	0.025	0.328	9.97E-37	0.007	0.017	0.691	0.042	160.166	TRUE	6.90E-35
COPD in never smokers	ATP6V1E2	cg02822958	rs62134690	T	G	-0.448	0.050	0.058	7.27E-19	-0.050	0.034	0.142	0.021	78.646	TRUE	2.51E-17
COPD in never smokers	ATP6V1E2	cg02822958	rs62136895	A	G	0.303	0.030	0.188	1.09E-23	0.029	0.021	0.160	0.026	100.610	TRUE	7.26E-22
COPD in never smokers	ATP6V1E2	cg02822958	rs6719054	A	C	-0.883	0.018	0.487	<1E-200	-0.017	0.016	0.300	0.385	2311.347	TRUE	<1E-200
COPD in never smokers	ATP6V1E2	cg02822958	rs72808521	C	T	-0.281	0.050	0.056	1.39E-08	0.075	0.031	0.016	0.009	32.182	TRUE	2.18E-07
COPD in never smokers	ATP6V1E2	cg02822958	rs7609080	C	T	0.349	0.034	0.140	1.67E-24	-0.001	0.024	0.979	0.027	104.329	TRUE	1.26E-23
COPD in never smokers	ATP6V1E2	cg02822958	rs76724814	A	G	0.459	0.049	0.060	8.61E-21	0.067	0.034	0.053	0.023	87.411	TRUE	8.14E-19
COPD in never smokers	ATP6V1E2	cg02822958	rs78984810	C	T	-0.434	0.047	0.075	5.22E-20	0.046	0.031	0.147	0.022	83.847	TRUE	2.11E-18
COPD in never smokers	ATP6V1E2	cg02822958	rs79583301	A	G	-0.461	0.044	0.072	1.65E-25	-0.015	0.032	0.633	0.029	108.905	TRUE	3.04E-24
COPD in never smokers	ATP6V1E2	cg04944393	rs13025211	G	A	-0.177	0.024	0.373	2.56E-13	0.035	0.017	0.041	0.014	53.488	TRUE	7.32E-12
COPD in never smokers	ATP6V1E2	cg15759873	rs880671	A	G	0.147	0.024	0.370	1.08E-09	0.035	0.017	0.039	0.010	37.151	TRUE	1.56E-08
COPD in never smokers	ATP6V1E2	cg26688816	rs11125081	C	T	-0.614	0.076	0.022	5.84E-16	-0.071	0.058	0.215	0.017	65.453	TRUE	9.51E-15
COPD in never smokers	ATP6V1E2	cg26688816	rs11884098	T	C	0.340	0.036	0.121	3.00E-21	-0.009	0.025	0.712	0.024	89.494	TRUE	2.77E-20
COPD in never smokers	ATP6V1E2	cg26688816	rs11890291	C	T	0.547	0.032	0.151	3.61E-64	0.002	0.022	0.922	0.072	285.893	TRUE	9.06E-61
COPD in never smokers	ATP6V1E2	cg26688816	rs143098296	A	G	-0.641	0.072	0.024	4.11E-19	0.042	0.048	0.375	0.021	79.771	TRUE	6.37E-18
COPD in never smokers	ATP6V1E2	cg26688816	rs35706639	G	A	0.218	0.040	0.185	3.48E-08	-0.040	0.021	0.056	0.008	30.401	TRUE	3.23E-07
COPD in never smokers	ATP6V1E2	cg26688816	rs41281473	T	C	0.679	0.124	0.022	4.41E-08	0.002	0.056	0.972	0.008	29.946	TRUE	7.37E-08
COPD in never smokers	ATP6V1E2	cg26688816	rs4953396	A	C	-0.894	0.021	0.341	<1E-200	0.027	0.017	0.123	0.332	1840.220	TRUE	<1E-200
COPD in never smokers	ATP6V1E2	cg26688816	rs55736130	A	G	-0.194	0.024	0.485	2.07E-16	0.010	0.017	0.548	0.018	67.503	TRUE	1.52E-15
COPD in never smokers	ATP6V1E2	cg26688816	rs56288593	A	G	-0.160	0.024	0.348	5.16E-11	-0.001	0.017	0.969	0.012	43.093	TRUE	1.10E-10
COPD in never smokers	ATP6V1E2	cg26688816	rs60470928	G	A	-0.532	0.068	0.057	4.94E-15	0.021	0.034	0.537	0.016	61.250	TRUE	3.17E-14
COPD in never smokers	ATP6V1E2	cg26688816	rs60999035	A	G	0.361	0.036	0.121	1.56E-23	-0.004	0.025	0.862	0.026	99.906	TRUE	1.36E-22
COPD in never smokers	ATP6V1E2	cg26688816	rs62134690	T	G	0.323	0.050	0.058	1.51E-10	-0.050	0.034	0.142	0.011	40.991	TRUE	1.40E-09
COPD in never smokers	ATP6V1E2	cg26688816	rs62136870	G	A	-0.648	0.115	0.027	1.71E-08	-0.017	0.050	0.740	0.009	31.778	TRUE	3.93E-08
COPD in never smokers	ATP6V1E2	cg26688816	rs6741114	G	T	0.254	0.024	0.381	9.43E-27	-0.030	0.017	0.079	0.030	114.579	TRUE	1.87E-24
COPD in never smokers	ATP6V1E2	cg26688816	rs75012349	C	T	-0.650	0.085	0.017	1.58E-14	0.016	0.054	0.763	0.016	58.967	TRUE	6.38E-14
COPD in never smokers	BCL10	cg01636910	rs6700749	A	G	0.297	0.049	0.059	1.75E-09	0.013	0.035	0.718	0.010	36.220	TRUE	4.54E-09
COPD in never smokers	BCL10	cg02862864	rs10493768	A	G	-0.148	0.024	0.359	7.20E-10	-0.007	0.017	0.675	0.010	37.944	TRUE	2.07E-09
COPD in never smokers	BCL10	cg02862864	rs10873688	C	T	0.228	0.023	0.491	6.19E-23	0.023	0.017	0.171	0.026	97.171	TRUE	3.47E-21
COPD in never smokers	BCL10	cg02862864	rs11161567	T	G	-0.214	0.029	0.195	1.26E-13	-0.005	0.021	0.800	0.015	54.887	TRUE	4.37E-13
COPD in never smokers	BCL10	cg02862864	rs116578934	T	C	0.591	0.099	0.022	2.09E-09	0.025	0.054	0.638	0.010	35.865	TRUE	6.02E-09
COPD in never smokers	BCL10	cg02862864	rs145752015	T	C	1.012	0.077	0.026	2.63E-39	-0.011	0.058	0.853	0.044	171.965	TRUE	1.66E-37
COPD in never smokers	BCL10	cg02862864	rs233117	A	G	-0.282	0.050	0.056	1.20E-08	-0.027	0.034	0.422	0.009	32.474	TRUE	4.36E-08
COPD in never smokers	BCL10	cg02862864	rs4488069	G	A	-0.279	0.045	0.072	3.97E-10	0.024	0.032	0.458	0.010	39.106	TRUE	1.64E-09
COPD in never smokers	BCL10	cg02862864	rs4949928	C	T	0.803	0.022	0.318	1.32E-298	0.050	0.018	0.005	0.269	1363.380	TRUE	2.12E-253

COPD in never smokers	BCL10	cg02862864	rs506733	C	T	-0.193	0.024	0.350	1.51E-15	0.009	0.017	0.590	0.017	63.590	TRUE	9.25E-15
COPD in never smokers	BCL10	cg02862864	rs527762	C	A	0.314	0.026	0.294	1.79E-34	-0.015	0.018	0.408	0.039	149.855	TRUE	2.14E-32
COPD in never smokers	BCL10	cg02862864	rs559506050	G	A	-0.336	0.027	0.228	3.06E-36	-0.026	0.019	0.186	0.041	157.935	TRUE	1.31E-33
COPD in never smokers	BCL10	cg02862864	rs679961	G	A	0.213	0.033	0.302	1.86E-10	0.015	0.018	0.411	0.011	40.584	TRUE	8.68E-10
COPD in never smokers	BCL10	cg02862864	rs709788	A	G	-0.281	0.025	0.300	2.89E-29	0.007	0.018	0.676	0.033	126.053	TRUE	7.68E-28
COPD in never smokers	BCL10	cg02862864	rs72722664	A	G	0.449	0.048	0.060	1.28E-20	0.050	0.035	0.155	0.023	86.631	TRUE	5.42E-19
COPD in never smokers	BCL10	cg02862864	rs74484274	T	C	0.595	0.094	0.015	2.11E-10	0.076	0.064	0.236	0.011	40.340	TRUE	1.43E-09
COPD in never smokers	BCL10	cg02862864	rs79095356	T	C	0.613	0.046	0.065	4.37E-41	0.069	0.034	0.042	0.046	180.109	TRUE	1.95E-37
COPD in never smokers	BCL10	cg02862864	rs79558638	A	C	0.317	0.048	0.058	3.51E-11	0.013	0.035	0.711	0.012	43.848	TRUE	1.09E-10
COPD in never smokers	BCL10	cg02862864	rs817488	C	T	0.243	0.024	0.443	6.44E-25	-0.006	0.017	0.715	0.028	106.211	TRUE	9.09E-24
COPD in never smokers	BCL10	cg06913958	rs11161584	G	A	0.191	0.028	0.222	5.59E-12	-0.026	0.020	0.180	0.013	47.443	TRUE	5.67E-11
COPD in never smokers	BCL10	cg06913958	rs11585614	C	T	-0.150	0.028	0.257	4.92E-08	0.017	0.019	0.368	0.008	29.733	TRUE	1.81E-07
COPD in never smokers	BCL10	cg12432846	rs10082244	C	T	0.190	0.023	0.474	4.18E-16	0.000	0.016	0.978	0.018	66.114	TRUE	1.37E-15
COPD in never smokers	BCL10	cg12432846	rs10873694	T	G	0.316	0.025	0.330	6.85E-38	-0.028	0.017	0.111	0.043	165.485	TRUE	6.80E-35
COPD in never smokers	BCL10	cg12432846	rs11161574	T	C	-0.914	0.024	0.214	<1E-200	-0.023	0.020	0.244	0.283	1461.932	TRUE	3.94E-274
COPD in never smokers	BCL10	cg12432846	rs11555520	A	G	0.177	0.027	0.233	9.52E-11	0.036	0.019	0.066	0.011	41.895	TRUE	1.34E-09
COPD in never smokers	BCL10	cg12432846	rs115853590	T	C	-0.566	0.099	0.025	1.01E-08	-0.101	0.050	0.046	0.009	32.798	TRUE	1.13E-07
COPD in never smokers	BCL10	cg12432846	rs142267292	G	A	-0.925	0.154	0.014	1.71E-09	-0.016	0.078	0.834	0.010	36.258	TRUE	3.82E-09
COPD in never smokers	BCL10	cg12432846	rs144045625	G	A	0.594	0.104	0.016	1.27E-08	-0.094	0.078	0.231	0.009	32.356	TRUE	6.68E-08
COPD in never smokers	BCL10	cg12432846	rs144820757	T	C	-0.853	0.099	0.016	7.40E-18	0.123	0.071	0.083	0.020	74.067	TRUE	3.15E-16
COPD in never smokers	BCL10	cg12432846	rs1523998	T	C	0.373	0.060	0.039	4.23E-10	-0.054	0.042	0.196	0.010	38.981	TRUE	3.05E-09
COPD in never smokers	BCL10	cg12432846	rs17124345	T	C	0.388	0.031	0.171	8.06E-36	-0.015	0.022	0.488	0.040	156.012	TRUE	9.00E-34
COPD in never smokers	BCL10	cg12432846	rs36166679	C	A	0.372	0.054	0.049	6.39E-12	-0.041	0.036	0.262	0.013	47.182	TRUE	5.02E-11
COPD in never smokers	BCL10	cg12432846	rs4907134	A	G	-0.166	0.024	0.394	2.65E-12	-0.014	0.017	0.396	0.013	48.903	TRUE	1.61E-11
COPD in never smokers	BCL10	cg12432846	rs511491	A	G	-0.342	0.051	0.104	3.29E-11	-0.004	0.028	0.882	0.012	43.974	TRUE	8.04E-11
COPD in never smokers	BCL10	cg12432846	rs72718767	G	A	-0.448	0.071	0.031	2.20E-10	0.037	0.041	0.366	0.011	40.262	TRUE	1.11E-09
COPD in never smokers	BCL10	cg12432846	rs79169005	C	T	-0.589	0.067	0.028	8.37E-19	0.017	0.044	0.694	0.021	78.369	TRUE	6.07E-18
COPD in never smokers	BCL10	cg12432846	rs821395	G	A	-0.149	0.026	0.278	1.14E-08	0.015	0.018	0.422	0.009	32.572	TRUE	4.15E-08
COPD in never smokers	BCL10	cg16140784	rs61246397	A	G	0.524	0.077	0.027	1.16E-11	-0.013	0.059	0.819	0.012	46.015	TRUE	3.24E-11
COPD in never smokers	BCL10	cg16377367	rs12757160	G	A	-0.161	0.029	0.190	4.13E-08	-0.039	0.020	0.057	0.008	30.071	TRUE	3.74E-07
COPD in never smokers	BCL10	cg16377367	rs1523993	T	C	-0.172	0.026	0.272	6.40E-11	0.014	0.019	0.460	0.011	42.673	TRUE	2.89E-10
COPD in never smokers	BCL10	cg16377367	rs2054238	T	C	0.333	0.050	0.052	3.06E-11	0.008	0.034	0.810	0.012	44.114	TRUE	8.31E-11
COPD in never smokers	BCL10	cg16377367	rs2735587	T	C	0.419	0.025	0.291	5.06E-63	-0.021	0.018	0.244	0.071	280.633	TRUE	1.88E-58
COPD in never smokers	BCL10	cg16377367	rs7546346	T	C	-0.175	0.030	0.183	6.31E-09	0.014	0.021	0.519	0.009	33.718	TRUE	2.04E-08
COPD in never smokers	BCL10	cg17322118	rs10782545	T	C	-0.356	0.029	0.195	3.25E-34	-0.006	0.021	0.769	0.039	148.672	TRUE	1.29E-32
COPD in never smokers	BCL10	cg17322118	rs11161547	C	T	-0.344	0.038	0.105	4.01E-19	0.022	0.028	0.423	0.021	79.821	TRUE	5.49E-18
COPD in never smokers	BCL10	cg17322118	rs116144222	G	A	0.536	0.080	0.041	1.82E-11	-0.034	0.035	0.338	0.012	45.127	TRUE	1.12E-10
COPD in never smokers	BCL10	cg17322118	rs12757160	G	A	-0.316	0.029	0.190	3.69E-27	-0.039	0.020	0.057	0.031	116.440	TRUE	1.00E-24
COPD in never smokers	BCL10	cg17322118	rs144820757	T	C	0.947	0.099	0.016	1.05E-21	0.123	0.071	0.083	0.024	91.577	TRUE	8.49E-20
COPD in never smokers	BCL10	cg17322118	rs1542427	T	C	0.163	0.029	0.191	3.10E-08	0.052	0.021	0.016	0.008	30.629	TRUE	4.49E-07
COPD in never smokers	BCL10	cg17322118	rs17125439	A	C	0.333	0.030	0.193	4.13E-29	0.001	0.021	0.980	0.033	125.345	TRUE	5.22E-28
COPD in never smokers	BCL10	cg17322118	rs1764293	T	C	0.195	0.032	0.169	6.16E-10	0.015	0.021	0.475	0.010	38.251	TRUE	2.41E-09

COPD in never smokers	BCL10	cg17322118	rs3753793	C	A	0.174	0.027	0.258	7.60E-11	0.013	0.019	0.479	0.011	42.334	TRUE	3.30E-10
COPD in never smokers	BCL10	cg17322118	rs509112	G	T	0.406	0.041	0.079	7.78E-23	-0.001	0.029	0.977	0.025	96.720	TRUE	4.96E-22
COPD in never smokers	BCL10	cg17322118	rs55866846	A	C	-0.177	0.026	0.283	2.25E-11	0.033	0.019	0.073	0.012	44.712	TRUE	3.39E-10
COPD in never smokers	BCL10	cg17322118	rs55970472	G	A	-0.402	0.030	0.182	1.21E-39	0.007	0.021	0.734	0.045	173.504	TRUE	1.12E-37
COPD in never smokers	BCL10	cg17322118	rs61783046	A	G	-0.391	0.026	0.278	4.35E-51	0.017	0.018	0.361	0.058	225.920	TRUE	9.21E-48
COPD in never smokers	BCL10	cg17322118	rs72718767	G	A	0.453	0.071	0.031	1.42E-10	0.037	0.041	0.366	0.011	41.110	TRUE	7.35E-10
COPD in never smokers	BCL10	cg17322118	rs72722664	A	G	-0.359	0.049	0.060	2.67E-13	0.050	0.035	0.155	0.014	53.410	TRUE	3.64E-12
COPD in never smokers	BCL10	cg17322118	rs75758188	G	T	0.510	0.089	0.015	8.94E-09	0.031	0.050	0.540	0.009	33.042	TRUE	2.76E-08
COPD in never smokers	BCL10	cg17322118	rs77060540	G	T	-0.279	0.024	0.372	2.39E-30	0.004	0.017	0.820	0.034	131.002	TRUE	5.10E-29
COPD in never smokers	BCL10	cg17322118	rs817481	T	G	0.245	0.033	0.146	9.14E-14	0.037	0.023	0.108	0.015	55.515	TRUE	1.67E-12
COPD in never smokers	BCL10	cg23665568	rs11161584	G	A	0.265	0.028	0.222	1.26E-21	-0.026	0.020	0.180	0.024	91.213	TRUE	5.52E-20
COPD in never smokers	BCL10	cg23665568	rs669173	C	T	-0.160	0.024	0.405	4.25E-11	0.026	0.017	0.127	0.012	43.474	TRUE	4.58E-10
COPD in never smokers	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	0.037	0.017	0.026	0.027	101.937	TRUE	1.48E-21
COPD in never smokers	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	0.000	0.017	0.989	0.008	29.870	TRUE	7.51E-08
COPD in never smokers	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	-0.010	0.029	0.713	0.009	33.922	TRUE	1.41E-08
COPD in never smokers	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	0.027	0.017	0.115	0.076	306.232	TRUE	4.86E-63
COPD in never smokers	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	0.009	0.025	0.716	0.048	184.887	TRUE	5.50E-40
COPD in never smokers	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	0.048	0.022	0.034	0.010	36.822	TRUE	1.93E-08
COPD in never smokers	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	0.023	0.017	0.188	0.008	30.918	TRUE	1.48E-07
COPD in never smokers	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	0.012	0.018	0.506	0.012	43.872	TRUE	1.49E-10
COPD in never smokers	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	0.007	0.017	0.667	0.013	48.071	TRUE	1.49E-11
COPD in never smokers	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	-0.017	0.017	0.314	0.017	62.186	TRUE	3.33E-14
COPD in never smokers	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	-0.037	0.038	0.337	0.010	37.546	TRUE	4.34E-09
COPD in never smokers	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	-0.023	0.022	0.286	0.013	47.879	TRUE	3.38E-11
COPD in never smokers	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	0.060	0.021	0.004	0.013	47.025	TRUE	3.68E-10
COPD in never smokers	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	0.067	0.019	4.11E-04	0.017	62.911	TRUE	5.67E-13
COPD in never smokers	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	0.020	0.019	0.283	0.027	101.312	TRUE	3.04E-22
COPD in never smokers	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	-0.041	0.018	0.023	0.030	114.133	TRUE	5.49E-24
COPD in never smokers	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	-0.042	0.019	0.027	0.021	79.694	TRUE	4.46E-17
COPD in never smokers	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	0.000	0.018	0.996	0.013	50.075	TRUE	3.41E-12
COPD in never smokers	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	-0.005	0.021	0.822	0.012	45.214	TRUE	4.76E-11
COPD in never smokers	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	0.044	0.020	0.026	0.021	78.194	TRUE	9.18E-17
COPD in never smokers	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	0.014	0.022	0.510	0.016	61.159	TRUE	3.49E-14
COPD in never smokers	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	-0.013	0.025	0.600	0.011	42.259	TRUE	2.80E-10
COPD in never smokers	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	-0.034	0.019	0.069	0.009	34.087	TRUE	5.23E-08
COPD in never smokers	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	0.020	0.017	0.252	0.141	608.856	TRUE	3.04E-122
COPD in never smokers	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	-0.055	0.017	9.65E-04	0.038	145.697	TRUE	1.80E-29
COPD in never smokers	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	-0.013	0.026	0.610	0.013	48.152	TRUE	1.57E-11
COPD in never smokers	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	-0.027	0.019	0.163	0.013	49.026	TRUE	2.84E-11
COPD in never smokers	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	0.020	0.026	0.423	0.012	43.981	TRUE	1.64E-10
COPD in never smokers	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	-0.051	0.022	0.024	0.012	44.584	TRUE	5.90E-10
COPD in never smokers	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	0.020	0.018	0.269	0.032	121.653	TRUE	2.15E-26

COPD in never smokers	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	-0.048	0.023	0.035	0.010	38.906	TRUE	7.18E-09
COPD in never smokers	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.018	0.026	0.487	0.010	37.442	TRUE	3.50E-09
COPD in never smokers	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	0.015	0.022	0.487	0.009	34.590	TRUE	1.40E-08
COPD in never smokers	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	0.037	0.030	0.227	0.014	53.379	TRUE	2.87E-12
COPD in never smokers	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	-0.038	0.022	0.088	0.018	67.107	TRUE	8.01E-15
COPD in never smokers	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	-0.026	0.019	0.176	0.023	87.887	TRUE	2.70E-19
COPD in never smokers	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	0.017	0.036	0.640	0.009	34.222	TRUE	1.34E-08
COPD in never smokers	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	-0.003	0.023	0.892	0.011	42.145	TRUE	1.95E-10
COPD in never smokers	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	-0.016	0.022	0.471	0.012	46.067	TRUE	5.49E-11
COPD in never smokers	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	-0.035	0.018	0.048	0.021	80.540	TRUE	2.13E-17
COPD in never smokers	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	0.015	0.018	0.409	0.027	102.289	TRUE	1.27E-22
COPD in never smokers	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	0.007	0.017	0.667	0.012	43.795	TRUE	1.20E-10
COPD in never smokers	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	-0.027	0.020	0.165	0.018	66.563	TRUE	6.83E-15
COPD in never smokers	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	0.053	0.019	0.006	0.020	75.040	TRUE	8.33E-16
COPD in never smokers	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	0.021	0.021	0.323	0.024	90.407	TRUE	4.68E-20
COPD in never smokers	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	-0.011	0.018	0.542	0.313	1684.549	TRUE	<1E-200
COPD in never smokers	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	-0.049	0.021	0.021	0.027	101.718	TRUE	1.85E-21
COPD in never smokers	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	-0.017	0.022	0.435	0.017	65.056	TRUE	6.28E-15
COPD in never smokers	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	0.017	0.027	0.516	0.008	31.632	TRUE	5.69E-08
COPD in never smokers	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	0.028	0.031	0.369	0.009	31.997	TRUE	6.00E-08
COPD in never smokers	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	-0.050	0.022	0.021	0.013	50.138	TRUE	4.74E-11
COPD in never smokers	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	-0.027	0.020	0.166	0.014	52.632	TRUE	5.04E-12
COPD in never smokers	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	0.004	0.020	0.860	0.014	53.975	TRUE	6.21E-13
COPD in never smokers	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.033	0.021	0.115	0.026	98.423	TRUE	2.67E-21
COPD in never smokers	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	0.017	0.020	0.377	0.033	127.369	TRUE	9.68E-28
COPD in never smokers	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	0.023	0.019	0.218	0.032	120.724	TRUE	4.17E-26
COPD in never smokers	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	-0.041	0.023	0.076	0.019	70.592	TRUE	1.71E-15
COPD in never smokers	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	0.006	0.024	0.803	0.012	45.665	TRUE	3.93E-11
COPD in never smokers	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	-0.001	0.023	0.951	0.014	51.508	TRUE	1.81E-12
COPD in never smokers	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	0.024	0.017	0.159	0.018	67.488	TRUE	4.52E-15
COPD in never smokers	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.036	0.030	0.230	0.014	52.465	TRUE	4.40E-12
COPD in never smokers	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	0.035	0.021	0.093	0.021	77.669	TRUE	5.39E-17
COPD in never smokers	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	-0.053	0.033	0.110	0.020	76.906	TRUE	6.87E-17
COPD in never smokers	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	-0.003	0.025	0.889	0.019	70.382	TRUE	2.01E-16
COPD in never smokers	BLK	cg21701351	rs58569413	T	G	-0.377	0.056	0.064	1.21E-11	-0.002	0.036	0.954	0.012	45.934	TRUE	2.77E-11
COPD in never smokers	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	0.030	0.024	0.218	0.024	91.221	TRUE	4.63E-20
COPD in never smokers	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	0.034	0.022	0.113	0.012	43.998	TRUE	3.79E-10
COPD in never smokers	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	-0.041	0.020	0.047	0.017	65.111	TRUE	2.97E-14
COPD in never smokers	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	-0.029	0.020	0.155	0.042	160.723	TRUE	4.37E-34
COPD in never smokers	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	0.015	0.030	0.627	0.014	52.494	TRUE	1.85E-12
COPD in never smokers	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	-0.003	0.026	0.913	0.021	79.437	TRUE	2.39E-18
COPD in never smokers	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	0.002	0.025	0.932	0.018	66.131	TRUE	1.47E-15

COPD in never smokers	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	-0.056	0.020	0.006	0.027	102.454	TRUE	2.65E-21
COPD in never smokers	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.016	0.026	0.541	0.011	42.171	TRUE	3.22E-10
COPD in never smokers	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	-0.035	0.022	0.107	0.032	123.931	TRUE	1.83E-26
COPD in never smokers	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	-0.047	0.021	0.025	0.012	44.452	TRUE	6.18E-10
COPD in never smokers	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	-0.033	0.036	0.359	0.009	31.730	TRUE	6.96E-08
COPD in never smokers	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	-0.028	0.017	0.090	0.044	170.418	TRUE	8.48E-36
COPD in never smokers	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	0.000	0.016	0.980	0.012	45.211	TRUE	3.82E-11
COPD in never smokers	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	-0.048	0.018	0.008	0.039	148.483	TRUE	1.44E-30
COPD in never smokers	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	0.040	0.017	0.016	0.051	200.249	TRUE	4.25E-41
COPD in never smokers	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	-0.029	0.026	0.255	0.010	38.234	TRUE	3.74E-09
COPD in never smokers	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	0.073	0.025	0.003	0.011	40.412	TRUE	8.32E-09
COPD in never smokers	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	0.034	0.018	0.056	0.013	49.589	TRUE	3.91E-11
COPD in never smokers	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	-0.027	0.023	0.236	0.012	43.132	TRUE	3.74E-10
COPD in never smokers	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	-0.010	0.032	0.764	0.008	30.237	TRUE	8.16E-08
COPD in never smokers	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	0.045	0.018	0.012	0.010	36.761	TRUE	2.90E-08
COPD in never smokers	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	0.007	0.024	0.784	0.008	31.210	TRUE	4.92E-08
COPD in never smokers	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	-0.013	0.017	0.465	0.011	40.072	TRUE	1.01E-09
COPD in never smokers	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	-0.050	0.021	0.019	0.009	33.408	TRUE	1.16E-07
COPD in never smokers	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	-0.049	0.025	0.052	0.009	33.283	TRUE	8.56E-08
COPD in never smokers	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	-0.016	0.017	0.329	0.011	41.209	TRUE	7.56E-10
COPD in never smokers	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	0.027	0.017	0.113	0.084	338.185	TRUE	2.48E-69
COPD in never smokers	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	-0.018	0.017	0.282	0.010	35.609	TRUE	1.24E-08
COPD in never smokers	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	-0.039	0.018	0.031	0.012	43.482	TRUE	8.89E-10
COPD in never smokers	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	-0.050	0.022	0.021	0.013	47.868	TRUE	1.36E-10
COPD in never smokers	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	-0.054	0.018	0.003	0.010	36.675	TRUE	4.52E-08
COPD in never smokers	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	0.030	0.021	0.140	0.011	40.391	TRUE	1.88E-09
COPD in never smokers	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	0.002	0.025	0.932	0.025	93.325	TRUE	2.80E-21
COPD in never smokers	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	-0.022	0.018	0.210	0.016	59.780	TRUE	1.44E-13
COPD in never smokers	BMF	cg02313495	rs34079741	G	A	0.195	0.023	0.453	1.01E-16	0.018	0.017	0.275	0.018	68.914	TRUE	1.50E-15
COPD in never smokers	BMF	cg02313495	rs34231574	T	C	-1.079	0.015	0.477	<1E-200	-0.033	0.017	0.044	0.570	4905.019	TRUE	<1E-200
COPD in never smokers	BMF	cg02313495	rs489508	A	G	-0.153	0.024	0.414	1.88E-10	-0.008	0.017	0.644	0.011	40.562	TRUE	6.01E-10
COPD in never smokers	BMF	cg02313495	rs648289	C	T	0.182	0.024	0.416	3.67E-14	0.001	0.017	0.933	0.015	57.306	TRUE	1.09E-13
COPD in never smokers	BMF	cg02313495	rs8042947	G	A	-0.175	0.026	0.259	3.87E-11	-0.014	0.019	0.457	0.012	43.652	TRUE	1.81E-10
COPD in never smokers	BMF	cg07712904	rs3784394	C	T	-0.145	0.023	0.500	3.34E-10	-0.002	0.017	0.886	0.011	39.441	TRUE	7.44E-10
COPD in never smokers	BMF	cg07712904	rs569539	A	G	-0.501	0.025	0.285	4.02E-87	0.031	0.018	0.088	0.096	391.231	TRUE	1.47E-79
COPD in never smokers	BMF	cg07712904	rs62018159	A	G	0.261	0.029	0.201	3.00E-19	-0.004	0.020	0.853	0.021	80.397	TRUE	1.68E-18
COPD in never smokers	BMF	cg07887985	rs539846	T	G	0.150	0.024	0.483	2.23E-10	0.029	0.017	0.085	0.011	40.232	TRUE	2.61E-09
COPD in never smokers	BMF	cg09587957	rs11631335	A	G	-0.146	0.026	0.299	1.31E-08	0.030	0.018	0.101	0.009	32.297	TRUE	1.03E-07
COPD in never smokers	BMF	cg09587957	rs4924423	T	G	-0.218	0.028	0.239	5.87E-15	-0.001	0.019	0.964	0.016	60.910	TRUE	1.78E-14
COPD in never smokers	BMF	cg09587957	rs8023845	T	G	0.427	0.029	0.198	2.26E-49	-0.004	0.021	0.836	0.056	218.058	TRUE	6.52E-47
COPD in never smokers	BMF	cg09749364	rs11637681	G	A	0.177	0.026	0.284	1.11E-11	-0.040	0.019	0.032	0.012	46.091	TRUE	2.58E-10
COPD in never smokers	BMF	cg17809595	rs569539	A	G	0.155	0.026	0.285	1.32E-09	0.031	0.018	0.088	0.010	36.757	TRUE	1.33E-08

COPD in never smokers	BMF	cg18494902	rs12441486	A	G	0.391	0.065	0.038	1.72E-09	0.073	0.044	0.093	0.010	36.247	TRUE	1.65E-08
COPD in never smokers	BMF	cg18494902	rs12909145	C	T	0.141	0.024	0.448	2.27E-09	0.020	0.017	0.228	0.010	35.706	TRUE	1.34E-08
COPD in never smokers	BMF	cg23895262	rs56143280	A	G	0.148	0.026	0.292	6.25E-09	-0.017	0.018	0.359	0.009	33.737	TRUE	2.63E-08
COPD in never smokers	BMF	cg23895262	rs648289	C	T	0.261	0.024	0.416	7.48E-28	0.001	0.017	0.933	0.031	119.603	TRUE	9.09E-27
COPD in never smokers	BMF	cg26662201	rs34231574	T	C	-0.149	0.024	0.477	3.38E-10	-0.033	0.017	0.044	0.011	39.419	TRUE	5.13E-09
COPD in never smokers	BNIP3	cg02038273	rs143252467	A	G	0.203	0.032	0.165	1.97E-10	-0.005	0.022	0.836	0.011	40.474	TRUE	4.78E-10
COPD in never smokers	BNIP3	cg02365648	rs10870232	G	T	-0.259	0.027	0.252	4.88E-22	-0.009	0.019	0.642	0.025	93.086	TRUE	5.74E-21
COPD in never smokers	BNIP3	cg02365648	rs10870323	A	G	-0.156	0.026	0.283	2.09E-09	0.005	0.018	0.780	0.010	35.868	TRUE	4.97E-09
COPD in never smokers	BNIP3	cg02365648	rs11146322	T	C	-0.169	0.026	0.308	3.87E-11	0.033	0.018	0.064	0.012	43.655	TRUE	5.93E-10
COPD in never smokers	BNIP3	cg02365648	rs117262064	T	G	-1.522	0.064	0.034	2.98E-123	0.025	0.046	0.593	0.131	557.171	TRUE	2.02E-113
COPD in never smokers	BNIP3	cg02365648	rs12250241	C	T	-0.322	0.045	0.071	1.45E-12	0.022	0.032	0.496	0.013	50.086	TRUE	7.49E-12
COPD in never smokers	BNIP3	cg02365648	rs145948725	A	C	-0.745	0.064	0.032	1.33E-31	0.040	0.044	0.359	0.036	136.732	TRUE	1.24E-29
COPD in never smokers	BNIP3	cg02365648	rs2247705	G	A	-0.187	0.031	0.168	1.55E-09	-0.004	0.023	0.861	0.010	36.447	TRUE	3.36E-09
COPD in never smokers	BNIP3	cg02365648	rs2814189	A	G	-0.199	0.028	0.238	4.20E-13	-0.013	0.020	0.524	0.014	52.517	TRUE	2.20E-12
COPD in never smokers	BNIP3	cg02365648	rs67860580	A	G	-0.423	0.037	0.113	6.69E-30	0.035	0.025	0.162	0.034	128.956	TRUE	1.18E-27
COPD in never smokers	BNIP3	cg02365648	rs72853197	T	G	-0.163	0.025	0.326	8.48E-11	0.023	0.017	0.179	0.011	42.120	TRUE	7.19E-10
COPD in never smokers	BNIP3	cg02365648	rs77963347	T	C	-0.755	0.059	0.041	4.39E-38	0.043	0.041	0.300	0.043	166.369	TRUE	1.41E-35
COPD in never smokers	BNIP3	cg02365648	rs79575145	A	G	-0.337	0.044	0.077	9.88E-15	0.014	0.030	0.649	0.016	59.888	TRUE	4.96E-14
COPD in never smokers	BNIP3	cg02388416	rs112782563	T	C	-0.461	0.032	0.160	2.21E-48	0.001	0.023	0.979	0.055	213.518	TRUE	3.56E-46
COPD in never smokers	BNIP3	cg02388416	rs9419406	C	A	-0.296	0.024	0.440	2.07E-35	0.032	0.017	0.055	0.040	154.140	TRUE	2.53E-32
COPD in never smokers	BNIP3	cg05762616	rs4880263	T	C	-0.380	0.027	0.255	4.31E-46	-0.009	0.019	0.640	0.052	203.033	TRUE	1.39E-43
COPD in never smokers	BNIP3	cg09656274	rs4880263	T	C	-0.238	0.027	0.255	4.64E-19	-0.009	0.019	0.640	0.021	79.536	TRUE	3.86E-18
COPD in never smokers	BNIP3	cg12751948	rs143252467	A	G	0.299	0.032	0.165	6.34E-21	-0.005	0.022	0.836	0.023	88.017	TRUE	4.38E-20
COPD in never smokers	BNIP3	cg12751948	rs45474491	T	G	0.773	0.135	0.016	1.04E-08	0.038	0.065	0.565	0.009	32.755	TRUE	3.06E-08
COPD in never smokers	BNIP3	cg15390444	rs45474491	T	G	0.743	0.135	0.016	3.73E-08	0.038	0.065	0.565	0.008	30.270	TRUE	1.03E-07
COPD in never smokers	BNIP3	cg15390444	rs45519634	T	C	0.445	0.032	0.162	1.17E-43	-0.003	0.023	0.901	0.049	191.893	TRUE	1.18E-41
COPD in never smokers	BNIP3	cg18477674	rs45519634	T	C	0.384	0.032	0.162	8.69E-33	-0.003	0.023	0.901	0.037	142.146	TRUE	2.06E-31
COPD in never smokers	BNIP3	cg20216030	rs3737058	A	G	0.292	0.024	0.324	6.20E-33	0.033	0.017	0.055	0.037	142.816	TRUE	4.85E-30
COPD in never smokers	BNIP3	cg20216030	rs45474491	T	G	-0.920	0.135	0.016	8.62E-12	0.038	0.065	0.565	0.012	46.595	TRUE	3.61E-11
COPD in never smokers	BNIP3	cg21762589	rs3737058	A	G	-0.181	0.025	0.324	4.82E-13	0.033	0.017	0.055	0.014	52.251	TRUE	1.12E-11
COPD in never smokers	BNIP3	cg23471067	rs45519634	T	C	0.391	0.032	0.162	7.26E-34	-0.003	0.023	0.901	0.038	147.075	TRUE	1.97E-32
COPD in never smokers	BNIP3	cg23606392	rs113614184	T	G	-0.141	0.025	0.333	9.74E-09	0.025	0.017	0.145	0.009	32.875	TRUE	6.62E-08
COPD in never smokers	BNIP3	cg25123362	rs7079909	T	C	0.343	0.032	0.162	1.34E-26	-0.003	0.023	0.898	0.030	113.890	TRUE	1.52E-25
COPD in never smokers	BNIP3	cg25233900	rs45519634	T	C	0.308	0.032	0.162	1.51E-21	-0.003	0.023	0.901	0.024	90.848	TRUE	9.83E-21
COPD in never smokers	C15orf37	cg01351869	rs2865825	A	G	0.189	0.029	0.206	4.23E-11	0.000	0.020	0.991	0.012	43.481	TRUE	8.80E-11
COPD in never smokers	C15orf37	cg01843524	rs12185084	A	G	-0.195	0.028	0.205	4.36E-12	0.040	0.020	0.042	0.013	47.929	TRUE	9.76E-11
COPD in never smokers	C15orf37	cg01843524	rs12438434	T	C	0.136	0.025	0.334	4.46E-08	-0.002	0.018	0.922	0.008	29.923	TRUE	7.91E-08
COPD in never smokers	C15orf37	cg01843524	rs12907077	T	C	0.215	0.032	0.145	1.43E-11	0.014	0.022	0.527	0.012	45.607	TRUE	6.21E-11
COPD in never smokers	C15orf37	cg01843524	rs150450469	C	T	0.145	0.023	0.457	3.80E-10	0.021	0.017	0.213	0.010	39.193	TRUE	2.63E-09
COPD in never smokers	C15orf37	cg01843524	rs2562756	G	A	-0.236	0.024	0.333	4.16E-22	0.031	0.017	0.079	0.025	93.402	TRUE	3.74E-20
COPD in never smokers	C15orf37	cg01843524	rs71409255	C	A	0.552	0.073	0.026	3.84E-14	0.047	0.051	0.359	0.015	57.216	TRUE	3.22E-13
COPD in never smokers	C15orf37	cg01843524	rs7171636	T	C	0.734	0.028	0.194	8.71E-154	-0.030	0.021	0.144	0.159	697.488	TRUE	2.41E-138

COPD in never smokers	C15orf37	cg01843524	rs73487353	C	T	0.246	0.026	0.287	9.65E-22	0.014	0.018	0.432	0.024	91.737	TRUE	1.81E-20
COPD in never smokers	C15orf37	cg01843524	rs77013706	T	C	0.394	0.048	0.057	2.42E-16	0.043	0.032	0.184	0.018	67.187	TRUE	4.70E-15
COPD in never smokers	C15orf37	cg11970192	rs11636338	C	A	-0.177	0.024	0.354	4.60E-13	0.011	0.017	0.531	0.014	52.339	TRUE	2.37E-12
COPD in never smokers	C15orf37	cg11970192	rs11856039	T	C	0.214	0.027	0.235	5.25E-15	0.013	0.019	0.493	0.016	61.132	TRUE	3.66E-14
COPD in never smokers	C15orf37	cg11970192	rs12437938	T	C	0.542	0.079	0.023	6.57E-12	0.014	0.054	0.801	0.013	47.126	TRUE	1.93E-11
COPD in never smokers	C15orf37	cg11970192	rs34847355	G	T	0.578	0.028	0.207	3.66E-93	0.002	0.020	0.935	0.102	418.966	TRUE	2.82E-87
COPD in never smokers	C15orf37	cg11970192	rs4778756	C	T	-0.130	0.024	0.481	4.28E-08	-0.001	0.017	0.958	0.008	30.003	TRUE	7.28E-08
COPD in never smokers	C15orf37	cg11970192	rs4994245	A	C	-0.432	0.024	0.352	1.62E-71	-0.044	0.017	0.012	0.080	319.598	TRUE	1.67E-64
COPD in never smokers	C15orf37	cg11970192	rs6495449	A	G	-0.553	0.041	0.086	4.67E-42	-0.022	0.030	0.469	0.048	184.555	TRUE	1.43E-39
COPD in never smokers	C15orf37	cg26829925	rs28671106	T	C	-0.190	0.029	0.198	7.13E-11	-0.029	0.021	0.161	0.011	42.460	TRUE	6.50E-10
COPD in never smokers	C15orf37	cg27236825	rs36043829	G	A	-0.282	0.028	0.214	7.96E-24	0.001	0.020	0.942	0.027	101.232	TRUE	6.06E-23
COPD in never smokers	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	-0.027	0.017	0.127	0.014	51.004	TRUE	1.29E-11
COPD in never smokers	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	0.011	0.019	0.565	0.015	57.165	TRUE	2.16E-13
COPD in never smokers	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	0.009	0.019	0.639	0.016	58.619	TRUE	9.33E-14
COPD in never smokers	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	0.003	0.026	0.919	0.021	79.794	TRUE	1.99E-18
COPD in never smokers	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	-0.005	0.017	0.777	0.016	60.177	TRUE	3.46E-14
COPD in never smokers	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	0.000	0.017	0.990	0.012	44.854	TRUE	4.48E-11
COPD in never smokers	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	0.062	0.017	2.58E-04	0.014	51.114	TRUE	1.34E-10
COPD in never smokers	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	0.013	0.018	0.476	0.009	34.432	TRUE	1.54E-08
COPD in never smokers	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	0.043	0.021	0.042	0.053	206.399	TRUE	1.07E-42
COPD in never smokers	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	-0.031	0.017	0.062	0.046	177.180	TRUE	5.33E-37
COPD in never smokers	CAPZB	cg07573717	rs67705352	T	G	0.138	0.024	0.375	9.39E-09	0.010	0.017	0.577	0.009	32.945	TRUE	2.74E-08
COPD in never smokers	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	-0.028	0.017	0.098	0.013	48.807	TRUE	4.21E-11
COPD in never smokers	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	-0.026	0.019	0.170	0.024	89.554	TRUE	1.26E-19
COPD in never smokers	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	-0.013	0.027	0.631	0.016	58.979	TRUE	7.95E-14
COPD in never smokers	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	-0.035	0.017	0.043	0.014	52.185	TRUE	1.31E-11
COPD in never smokers	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	-0.045	0.032	0.150	0.010	38.411	TRUE	4.64E-09
COPD in never smokers	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	-0.108	0.061	0.075	0.017	65.252	TRUE	2.12E-14
COPD in never smokers	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	0.028	0.019	0.146	0.012	46.328	TRUE	1.09E-10
COPD in never smokers	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	0.014	0.028	0.609	0.023	87.676	TRUE	8.26E-20
COPD in never smokers	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	-0.032	0.022	0.150	0.011	40.134	TRUE	2.05E-09
COPD in never smokers	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	-0.046	0.039	0.243	0.157	690.976	TRUE	1.17E-137
COPD in never smokers	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	-0.007	0.024	0.762	0.011	42.113	TRUE	2.37E-10
COPD in never smokers	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	0.022	0.018	0.212	0.038	146.098	TRUE	2.87E-31
COPD in never smokers	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	0.029	0.017	0.085	0.017	65.137	TRUE	2.06E-14
COPD in never smokers	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	-0.026	0.019	0.170	0.029	112.158	TRUE	3.00E-24
COPD in never smokers	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	-0.013	0.020	0.538	0.017	63.025	TRUE	1.34E-14
COPD in never smokers	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	-0.108	0.061	0.075	0.021	77.636	TRUE	6.31E-17
COPD in never smokers	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	-0.043	0.039	0.274	0.176	788.461	TRUE	6.76E-156
COPD in never smokers	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	-0.016	0.020	0.407	0.025	96.177	TRUE	2.34E-21
COPD in never smokers	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.026	0.022	0.245	0.023	87.333	TRUE	2.63E-19
COPD in never smokers	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	0.005	0.018	0.775	0.015	54.760	TRUE	4.84E-13

COPD in never smokers	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	0.016	0.018	0.380	0.029	110.736	TRUE	2.52E-24
COPD in never smokers	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	-0.032	0.022	0.150	0.015	56.519	TRUE	8.52E-13
COPD in never smokers	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	-0.035	0.056	0.528	0.019	72.434	TRUE	1.48E-16
COPD in never smokers	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	0.012	0.019	0.523	0.029	109.424	TRUE	3.12E-24
COPD in never smokers	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	0.029	0.017	0.085	0.016	60.748	TRUE	1.63E-13
COPD in never smokers	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	0.027	0.020	0.170	0.036	138.191	TRUE	1.48E-29
COPD in never smokers	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	0.043	0.021	0.043	0.027	103.494	TRUE	5.15E-22
COPD in never smokers	CAPZB	cg11335264	rs2006024	T	C	-0.152	0.025	0.319	1.62E-09	-0.029	0.018	0.101	0.010	36.361	TRUE	1.50E-08
COPD in never smokers	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	0.019	0.054	0.729	0.057	225.435	TRUE	2.90E-48
COPD in never smokers	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	0.047	0.018	0.011	0.012	45.046	TRUE	6.47E-10
COPD in never smokers	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	-0.003	0.017	0.846	0.010	39.037	TRUE	9.57E-10
COPD in never smokers	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	-0.001	0.017	0.967	0.024	90.352	TRUE	1.10E-20
COPD in never smokers	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	0.008	0.022	0.717	0.010	36.405	TRUE	4.15E-09
COPD in never smokers	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	0.003	0.019	0.892	0.008	31.000	TRUE	4.80E-08
COPD in never smokers	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	-0.024	0.018	0.191	0.012	43.676	TRUE	3.29E-10
COPD in never smokers	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	0.000	0.017	0.997	0.113	470.631	TRUE	1.61E-97
COPD in never smokers	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	-0.002	0.024	0.940	0.015	56.257	TRUE	1.79E-13
COPD in never smokers	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	0.014	0.028	0.609	0.010	37.399	TRUE	2.96E-09
COPD in never smokers	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	-0.046	0.039	0.241	0.031	116.757	TRUE	2.43E-25
COPD in never smokers	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	-0.007	0.024	0.784	0.010	38.063	TRUE	1.68E-09
COPD in never smokers	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	-0.007	0.017	0.663	0.013	48.842	TRUE	1.03E-11
COPD in never smokers	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	0.041	0.020	0.039	0.010	39.006	TRUE	6.57E-09
COPD in never smokers	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	-0.046	0.039	0.240	0.011	39.860	TRUE	1.78E-09
COPD in never smokers	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	0.030	0.020	0.127	0.022	82.598	TRUE	4.25E-18
COPD in never smokers	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	-0.016	0.020	0.407	0.011	41.664	TRUE	5.19E-10
COPD in never smokers	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	0.003	0.019	0.866	0.069	275.362	TRUE	1.46E-58
COPD in never smokers	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	0.105	0.058	0.068	0.009	34.016	TRUE	5.43E-08
COPD in never smokers	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	-0.007	0.024	0.784	0.010	35.537	TRUE	5.82E-09
COPD in never smokers	CAPZB	cg16694480	rs4912101	G	A	0.143	0.026	0.281	2.32E-08	0.001	0.018	0.967	0.008	31.190	TRUE	3.99E-08
COPD in never smokers	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	-0.006	0.019	0.771	0.010	37.070	TRUE	2.78E-09
COPD in never smokers	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	0.023	0.019	0.228	0.028	108.057	TRUE	1.56E-23
COPD in never smokers	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	-0.007	0.017	0.663	0.016	60.828	TRUE	3.07E-14
COPD in never smokers	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	0.007	0.046	0.871	0.008	31.371	TRUE	4.09E-08
COPD in never smokers	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	0.005	0.017	0.787	0.036	139.868	TRUE	8.10E-31
COPD in never smokers	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.027	0.049	0.583	0.017	64.571	TRUE	5.84E-15
COPD in never smokers	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	0.010	0.033	0.748	0.013	48.114	TRUE	1.29E-11
COPD in never smokers	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	-0.055	0.040	0.173	0.058	228.169	TRUE	9.70E-48
COPD in never smokers	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	0.013	0.022	0.560	0.009	33.355	TRUE	2.30E-08
COPD in never smokers	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	-0.108	0.061	0.075	0.014	51.486	TRUE	1.38E-11
COPD in never smokers	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	0.008	0.020	0.709	0.015	57.323	TRUE	1.55E-13
COPD in never smokers	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	-0.044	0.017	0.011	0.015	56.329	TRUE	3.53E-12
COPD in never smokers	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	0.001	0.018	0.945	0.279	1428.478	TRUE	2.71E-271

COPD in never smokers	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	-0.032	0.022	0.150	0.012	46.466	TRUE	1.01E-10
COPD in never smokers	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	0.015	0.017	0.355	0.015	55.710	TRUE	6.69E-13
COPD in never smokers	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	0.009	0.026	0.715	0.027	103.222	TRUE	3.80E-23
COPD in never smokers	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	0.030	0.018	0.100	0.028	108.269	TRUE	2.95E-23
COPD in never smokers	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	0.073	0.045	0.101	0.016	60.028	TRUE	2.07E-13
COPD in never smokers	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	-0.002	0.045	0.970	0.011	40.234	TRUE	4.50E-10
COPD in never smokers	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	0.039	0.025	0.117	0.008	30.840	TRUE	1.93E-07
COPD in never smokers	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	-0.024	0.018	0.191	0.009	35.321	TRUE	1.79E-08
COPD in never smokers	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	0.018	0.017	0.268	0.011	41.717	TRUE	6.79E-10
COPD in never smokers	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	0.012	0.022	0.580	0.013	50.196	TRUE	6.13E-12
COPD in never smokers	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	-0.030	0.017	0.077	0.021	80.717	TRUE	1.46E-17
COPD in never smokers	CAPZB	cg24593138	rs2006024	T	C	-0.146	0.025	0.319	7.36E-09	-0.029	0.018	0.101	0.009	33.420	TRUE	6.06E-08
COPD in never smokers	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	0.000	0.017	0.978	0.486	3497.727	TRUE	<1E-200
COPD in never smokers	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	-0.004	0.035	0.905	0.065	255.447	TRUE	1.35E-54
COPD in never smokers	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	-0.049	0.059	0.403	0.010	37.290	TRUE	4.34E-09
COPD in never smokers	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	0.105	0.058	0.068	0.011	41.110	TRUE	1.91E-09
COPD in never smokers	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	0.003	0.020	0.897	0.012	45.732	TRUE	3.32E-11
COPD in never smokers	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	-0.024	0.044	0.588	0.031	116.494	TRUE	9.09E-26
COPD in never smokers	CAPZB	cg24593138	rs72653926	A	G	-0.311	0.024	0.428	9.53E-40	-0.015	0.018	0.406	0.045	173.981	TRUE	2.57E-37
COPD in never smokers	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	-0.007	0.024	0.784	0.047	180.875	TRUE	2.99E-39
COPD in never smokers	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	-0.046	0.040	0.246	0.009	34.569	TRUE	2.22E-08
COPD in never smokers	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	-0.005	0.017	0.780	0.023	85.418	TRUE	1.72E-19
COPD in never smokers	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	-0.045	0.053	0.400	0.012	44.067	TRUE	1.65E-10
COPD in never smokers	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	0.073	0.045	0.101	0.013	47.360	TRUE	8.20E-11
COPD in never smokers	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	-0.002	0.045	0.970	0.009	33.401	TRUE	1.33E-08
COPD in never smokers	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	-0.007	0.037	0.855	0.049	190.977	TRUE	2.08E-41
COPD in never smokers	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	0.009	0.019	0.637	0.018	69.504	TRUE	4.87E-16
COPD in never smokers	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	-0.007	0.017	0.692	0.090	365.961	TRUE	2.25E-76
COPD in never smokers	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	-0.024	0.018	0.191	0.018	69.668	TRUE	1.41E-15
COPD in never smokers	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	-0.013	0.031	0.674	0.012	45.307	TRUE	5.67E-11
COPD in never smokers	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.027	0.049	0.583	0.030	116.327	TRUE	9.99E-26
COPD in never smokers	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	0.010	0.033	0.748	0.021	78.333	TRUE	5.56E-18
COPD in never smokers	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	-0.047	0.039	0.236	0.083	336.849	TRUE	1.39E-69
COPD in never smokers	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	-0.021	0.030	0.496	0.011	41.990	TRUE	3.78E-10
COPD in never smokers	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	0.013	0.022	0.560	0.016	58.238	TRUE	1.30E-13
COPD in never smokers	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	-0.108	0.061	0.075	0.027	101.634	TRUE	8.26E-22
COPD in never smokers	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	-0.016	0.020	0.407	0.039	151.340	TRUE	1.07E-32
COPD in never smokers	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	0.008	0.020	0.709	0.030	115.217	TRUE	1.24E-25
COPD in never smokers	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	0.051	0.018	0.004	0.028	107.564	TRUE	3.36E-22
COPD in never smokers	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	-0.044	0.017	0.011	0.023	87.968	TRUE	1.57E-18
COPD in never smokers	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	0.006	0.019	0.763	0.443	2945.622	TRUE	<1E-200
COPD in never smokers	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	-0.011	0.023	0.622	0.013	47.945	TRUE	1.70E-11

COPD in never smokers	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	0.017	0.026	0.511	0.013	48.424	TRUE	1.63E-11
COPD in never smokers	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	-0.032	0.022	0.150	0.017	65.553	TRUE	1.18E-14
COPD in never smokers	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	0.105	0.058	0.068	0.023	85.868	TRUE	1.42E-18
COPD in never smokers	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	0.025	0.017	0.145	0.022	83.390	TRUE	2.64E-18
COPD in never smokers	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	-0.035	0.056	0.528	0.009	34.763	TRUE	1.21E-08
COPD in never smokers	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	-0.007	0.024	0.784	0.035	134.702	TRUE	9.55E-30
COPD in never smokers	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	0.073	0.045	0.101	0.029	109.754	TRUE	1.46E-23
COPD in never smokers	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	-0.002	0.045	0.970	0.025	95.335	TRUE	9.83E-22
COPD in never smokers	CASP8AP2	cg13799429	rs10806401	T	C	0.132	0.024	0.444	2.12E-08	0.014	0.017	0.407	0.008	31.364	TRUE	7.66E-08
COPD in never smokers	CASP8AP2	cg13799429	rs12530146	T	C	0.368	0.067	0.074	3.23E-08	-0.010	0.032	0.750	0.008	30.546	TRUE	7.12E-08
COPD in never smokers	CASP8AP2	cg13799429	rs148798051	A	C	-0.945	0.159	0.014	3.00E-09	0.060	0.083	0.471	0.009	35.167	TRUE	1.09E-08
COPD in never smokers	CASP8AP2	cg13799429	rs149792516	T	C	-0.905	0.124	0.018	2.48E-13	-0.042	0.065	0.519	0.014	53.557	TRUE	1.34E-12
COPD in never smokers	CASP8AP2	cg13799429	rs176765	C	A	-0.201	0.026	0.276	3.59E-14	-0.016	0.018	0.379	0.015	57.353	TRUE	2.88E-13
COPD in never smokers	CASP8AP2	cg13799429	rs2304895	T	C	0.272	0.033	0.138	1.23E-16	0.020	0.023	0.383	0.018	68.528	TRUE	1.34E-15
COPD in never smokers	CASP8AP2	cg13799429	rs4706346	C	T	0.294	0.031	0.181	6.61E-22	-0.013	0.021	0.545	0.024	92.486	TRUE	9.54E-21
COPD in never smokers	CASP8AP2	cg13799429	rs55650455	C	T	-0.256	0.028	0.216	1.59E-19	0.039	0.020	0.045	0.022	81.645	TRUE	1.33E-17
COPD in never smokers	CASP8AP2	cg13799429	rs59912723	A	G	-1.030	0.126	0.015	3.20E-16	0.118	0.071	0.096	0.018	66.638	TRUE	9.50E-15
COPD in never smokers	CASP8AP2	cg13799429	rs72919973	A	G	-0.803	0.145	0.012	2.83E-08	0.083	0.073	0.256	0.008	30.802	TRUE	1.33E-07
COPD in never smokers	CASP8AP2	cg13799429	rs74437492	G	A	-1.017	0.027	0.180	<1E-200	0.029	0.022	0.178	0.279	1429.369	TRUE	3.40E-268
COPD in never smokers	CASP8AP2	cg13799429	rs77269634	A	C	-0.826	0.127	0.016	6.76E-11	0.025	0.065	0.702	0.011	42.564	TRUE	2.08E-10
COPD in never smokers	CASP8AP2	cg13799429	rs7760960	T	C	0.336	0.023	0.471	1.90E-48	-0.021	0.017	0.197	0.055	213.823	TRUE	6.20E-45
COPD in never smokers	CASP8AP2	cg13799429	rs77968219	A	G	-0.320	0.053	0.050	1.26E-09	-0.021	0.039	0.580	0.010	36.853	TRUE	4.04E-09
COPD in never smokers	CASP8AP2	cg13799429	rs79185045	A	G	-0.655	0.059	0.042	4.55E-29	0.077	0.038	0.039	0.033	125.156	TRUE	2.30E-26
COPD in never smokers	CASP8AP2	cg13799429	rs9342183	T	C	-0.155	0.028	0.217	4.99E-08	-0.010	0.020	0.632	0.008	29.703	TRUE	1.25E-07
COPD in never smokers	CASP8AP2	cg13799429	rs9344968	G	T	0.436	0.025	0.305	1.54E-66	-0.011	0.018	0.526	0.074	296.764	TRUE	2.64E-62
COPD in never smokers	CASP8AP2	cg13799429	rs9359875	T	C	0.271	0.037	0.265	1.68E-13	0.006	0.020	0.754	0.014	54.317	TRUE	6.21E-13
COPD in never smokers	CASP8AP2	cg13799429	rs9362606	C	T	0.167	0.028	0.206	2.60E-09	0.015	0.020	0.461	0.009	35.444	TRUE	9.64E-09
COPD in never smokers	CASP8AP2	cg13799429	rs9362654	G	A	0.238	0.024	0.376	1.24E-22	-0.009	0.017	0.586	0.025	95.796	TRUE	1.78E-21
COPD in never smokers	CASP8AP2	cg14728024	rs17707653	C	T	0.314	0.028	0.204	1.56E-28	-0.019	0.020	0.334	0.032	122.714	TRUE	1.01E-26
COPD in never smokers	CASP8AP2	cg14728024	rs4707565	C	T	-0.152	0.024	0.373	3.54E-10	0.006	0.017	0.742	0.011	39.331	TRUE	9.54E-10
COPD in never smokers	CBS	cg00882967	rs1788493	C	T	-0.153	0.023	0.483	5.03E-11	0.025	0.017	0.133	0.012	43.144	TRUE	5.23E-10
COPD in never smokers	CBS	cg00882967	rs55994345	T	C	0.292	0.039	0.102	3.66E-14	0.013	0.026	0.625	0.015	57.314	TRUE	1.80E-13
COPD in never smokers	CBS	cg00882967	rs71316190	C	T	-0.385	0.055	0.046	2.79E-12	-0.011	0.039	0.778	0.013	48.805	TRUE	8.78E-12
COPD in never smokers	CBS	cg01788910	rs12482487	T	C	0.448	0.058	0.040	1.34E-14	0.005	0.041	0.893	0.016	59.287	TRUE	4.41E-14
COPD in never smokers	CBS	cg01788910	rs13052751	T	C	0.185	0.024	0.395	1.30E-14	0.025	0.017	0.131	0.016	59.352	TRUE	2.42E-13
COPD in never smokers	CBS	cg01788910	rs145047222	G	A	0.332	0.023	0.456	1.41E-46	0.006	0.017	0.742	0.053	205.249	TRUE	3.55E-44
COPD in never smokers	CBS	cg01788910	rs1672117	G	A	-0.272	0.027	0.247	5.79E-24	-0.003	0.019	0.867	0.027	101.861	TRUE	5.25E-23
COPD in never smokers	CBS	cg01788910	rs2027711	T	C	0.786	0.020	0.470	<1E-200	0.014	0.016	0.403	0.290	1512.517	TRUE	1.89E-283
COPD in never smokers	CBS	cg01788910	rs234703	T	C	0.610	0.025	0.281	4.11E-127	0.028	0.018	0.121	0.135	574.912	TRUE	3.95E-115
COPD in never smokers	CBS	cg01788910	rs234784	T	C	0.279	0.034	0.371	9.24E-17	-0.003	0.017	0.843	0.018	69.089	TRUE	4.09E-16
COPD in never smokers	CBS	cg01788910	rs3017545	C	T	0.374	0.035	0.127	7.96E-27	0.000	0.025	0.996	0.030	114.914	TRUE	7.50E-26
COPD in never smokers	CBS	cg01788910	rs34923991	C	T	0.140	0.025	0.328	2.03E-08	-0.014	0.018	0.420	0.008	31.445	TRUE	7.20E-08

COPD in never smokers	CBS	cg01788910	rs35112095	A	G	0.269	0.049	0.057	4.20E-08	-0.053	0.036	0.149	0.008	30.041	TRUE	2.53E-07
COPD in never smokers	CBS	cg01788910	rs55767206	T	C	-0.738	0.038	0.103	5.64E-84	0.020	0.026	0.458	0.092	376.783	TRUE	4.80E-78
COPD in never smokers	CBS	cg01788910	rs71320557	T	C	0.412	0.037	0.107	1.09E-28	0.006	0.026	0.826	0.032	123.416	TRUE	1.88E-27
COPD in never smokers	CBS	cg01788910	rs71320558	T	C	-0.276	0.050	0.120	3.79E-08	-0.041	0.027	0.130	0.008	30.236	TRUE	2.46E-07
COPD in never smokers	CBS	cg01788910	rs7279886	C	A	-0.144	0.026	0.287	2.88E-08	-0.015	0.018	0.404	0.008	30.772	TRUE	1.03E-07
COPD in never smokers	CBS	cg01788910	rs7281623	A	C	-0.185	0.024	0.399	2.39E-14	-0.027	0.017	0.110	0.015	58.149	TRUE	4.77E-13
COPD in never smokers	CBS	cg01788910	rs77233863	A	C	-0.426	0.040	0.084	4.89E-26	-0.038	0.028	0.173	0.029	111.317	TRUE	4.38E-24
COPD in never smokers	CBS	cg01788910	rs78269027	C	T	-0.827	0.144	0.016	9.54E-09	0.017	0.064	0.788	0.009	32.914	TRUE	2.11E-08
COPD in never smokers	CBS	cg01788910	rs79067607	T	C	-0.468	0.062	0.071	6.05E-14	-0.076	0.032	0.016	0.015	56.325	TRUE	3.01E-12
COPD in never smokers	CBS	cg01817286	rs55994345	T	C	0.256	0.038	0.102	2.08E-11	0.013	0.026	0.625	0.012	44.872	TRUE	7.57E-11
COPD in never smokers	CBS	cg02644491	rs142751843	T	C	-0.193	0.024	0.357	2.53E-15	-0.001	0.018	0.976	0.017	62.572	TRUE	7.76E-15
COPD in never smokers	CBS	cg02644491	rs149095199	T	C	-0.426	0.040	0.084	5.17E-26	-0.042	0.028	0.131	0.029	111.208	TRUE	5.93E-24
COPD in never smokers	CBS	cg02644491	rs1672117	G	A	-0.260	0.027	0.247	6.41E-22	-0.003	0.019	0.867	0.024	92.548	TRUE	4.64E-21
COPD in never smokers	CBS	cg02644491	rs181911461	A	G	-0.499	0.090	0.019	2.81E-08	0.045	0.059	0.442	0.008	30.818	TRUE	9.44E-08
COPD in never smokers	CBS	cg02644491	rs234714	T	C	0.548	0.029	0.203	9.58E-80	0.012	0.020	0.560	0.088	357.365	TRUE	2.00E-74
COPD in never smokers	CBS	cg02644491	rs234784	T	C	0.239	0.034	0.371	1.10E-12	-0.003	0.017	0.843	0.014	50.635	TRUE	3.26E-12
COPD in never smokers	CBS	cg02644491	rs2839619	G	A	0.778	0.020	0.487	<1E-200	0.014	0.016	0.400	0.283	1462.750	TRUE	4.26E-275
COPD in never smokers	CBS	cg02644491	rs55767206	T	C	-0.694	0.038	0.103	4.92E-74	0.020	0.026	0.458	0.082	331.157	TRUE	5.07E-69
COPD in never smokers	CBS	cg02644491	rs62215006	A	G	-0.258	0.032	0.444	3.63E-16	-0.014	0.017	0.417	0.018	66.391	TRUE	3.45E-15
COPD in never smokers	CBS	cg02644491	rs6586278	T	C	0.528	0.034	0.140	4.04E-54	-0.004	0.025	0.882	0.061	239.816	TRUE	2.14E-51
COPD in never smokers	CBS	cg02644491	rs71320557	T	C	0.311	0.037	0.107	6.11E-17	0.006	0.026	0.826	0.019	69.904	TRUE	2.84E-16
COPD in never smokers	CBS	cg02644491	rs7278989	C	T	0.151	0.025	0.319	2.60E-09	0.016	0.018	0.354	0.009	35.441	TRUE	1.16E-08
COPD in never smokers	CBS	cg02644491	rs7281623	A	C	-0.143	0.024	0.399	4.64E-09	-0.027	0.017	0.110	0.009	34.315	TRUE	3.80E-08
COPD in never smokers	CBS	cg02644491	rs760124	C	T	0.363	0.046	0.066	4.70E-15	0.006	0.033	0.851	0.016	61.347	TRUE	1.73E-14
COPD in never smokers	CBS	cg02644491	rs78338872	T	C	0.477	0.073	0.030	5.01E-11	0.010	0.050	0.836	0.012	43.150	TRUE	1.29E-10
COPD in never smokers	CBS	cg02644491	rs79067607	T	C	-0.457	0.062	0.071	2.53E-13	-0.076	0.032	0.016	0.014	53.511	TRUE	1.11E-11
COPD in never smokers	CBS	cg03137177	rs11911976	C	T	0.133	0.024	0.429	2.61E-08	0.010	0.017	0.557	0.008	30.959	TRUE	7.46E-08
COPD in never smokers	CBS	cg06118533	rs74748949	T	G	-0.434	0.075	0.025	8.48E-09	0.038	0.049	0.433	0.009	33.144	TRUE	3.09E-08
COPD in never smokers	CBS	cg07211972	rs1107831	G	A	0.299	0.024	0.397	6.72E-37	0.026	0.017	0.118	0.042	160.949	TRUE	5.26E-34
COPD in never smokers	CBS	cg07211972	rs13048977	G	A	-0.150	0.026	0.288	7.15E-09	-0.016	0.018	0.386	0.009	33.475	TRUE	2.85E-08
COPD in never smokers	CBS	cg07211972	rs1672117	G	A	-0.200	0.027	0.247	1.31E-13	-0.003	0.019	0.867	0.015	54.809	TRUE	4.09E-13
COPD in never smokers	CBS	cg07211972	rs2276240	A	G	-0.137	0.025	0.332	2.93E-08	0.000	0.018	0.982	0.008	30.737	TRUE	4.91E-08
COPD in never smokers	CBS	cg07211972	rs428732	T	C	0.323	0.043	0.079	5.92E-14	0.000	0.039	0.993	0.015	56.368	TRUE	1.56E-13
COPD in never smokers	CBS	cg07211972	rs706209	A	G	-0.731	0.020	0.452	2.06E-281	-0.018	0.017	0.285	0.258	1284.298	TRUE	3.34E-244
COPD in never smokers	CBS	cg07211972	rs73220903	T	C	0.365	0.035	0.134	1.07E-25	0.007	0.026	0.795	0.029	109.762	TRUE	1.39E-24
COPD in never smokers	CBS	cg07211972	rs73231644	T	C	-0.244	0.031	0.161	8.90E-15	-0.008	0.022	0.717	0.016	60.093	TRUE	3.99E-14
COPD in never smokers	CBS	cg07211972	rs760124	C	T	0.322	0.046	0.066	3.92E-12	0.006	0.033	0.851	0.013	48.139	TRUE	1.09E-11
COPD in never smokers	CBS	cg09128751	rs181911461	A	G	-0.488	0.090	0.019	4.95E-08	0.045	0.059	0.442	0.008	29.719	TRUE	1.61E-07
COPD in never smokers	CBS	cg09128751	rs2839584	C	T	-0.187	0.028	0.200	3.91E-11	-0.016	0.020	0.426	0.012	43.633	TRUE	1.93E-10
COPD in never smokers	CBS	cg09128751	rs35976043	T	C	-0.146	0.024	0.368	1.52E-09	0.035	0.017	0.036	0.010	36.487	TRUE	2.21E-08
COPD in never smokers	CBS	cg09128751	rs397589	T	G	0.178	0.023	0.483	2.91E-14	0.011	0.016	0.518	0.015	57.766	TRUE	1.76E-13
COPD in never smokers	CBS	cg09128751	rs57538964	C	T	-0.718	0.038	0.101	3.41E-79	0.027	0.026	0.307	0.088	354.833	TRUE	2.41E-73

COPD in never smokers	CBS	cg14171527	rs111412674	C	T	-0.419	0.055	0.047	2.89E-14	-0.014	0.040	0.727	0.015	57.776	TRUE	1.21E-13
COPD in never smokers	CBS	cg14171527	rs112273870	A	G	0.312	0.038	0.108	2.95E-16	0.015	0.026	0.566	0.018	66.799	TRUE	2.06E-15
COPD in never smokers	CBS	cg15300856	rs113636179	G	A	0.442	0.057	0.042	7.06E-15	0.013	0.039	0.736	0.016	60.547	TRUE	3.10E-14
COPD in never smokers	CBS	cg15300856	rs118097759	C	A	-0.470	0.066	0.035	7.71E-13	0.070	0.045	0.118	0.014	51.327	TRUE	1.16E-11
COPD in never smokers	CBS	cg15300856	rs11909507	A	G	0.256	0.043	0.086	2.06E-09	0.016	0.030	0.598	0.010	35.899	TRUE	6.28E-09
COPD in never smokers	CBS	cg15300856	rs234771	C	T	-0.400	0.042	0.082	1.63E-21	-0.017	0.030	0.569	0.024	90.707	TRUE	2.12E-20
COPD in never smokers	CBS	cg15300856	rs2850147	C	T	-0.144	0.024	0.461	8.65E-10	0.000	0.017	0.989	0.010	37.588	TRUE	1.62E-09
COPD in never smokers	CBS	cg15300856	rs28888543	A	G	0.186	0.031	0.173	1.09E-09	0.001	0.021	0.948	0.010	37.145	TRUE	2.13E-09
COPD in never smokers	CBS	cg15300856	rs62217610	A	C	-0.346	0.028	0.205	3.55E-34	0.016	0.020	0.404	0.039	148.498	TRUE	4.12E-32
COPD in never smokers	CBS	cg15300856	rs6586282	T	C	0.319	0.031	0.182	2.77E-25	0.006	0.022	0.796	0.028	107.883	TRUE	3.40E-24
COPD in never smokers	CBS	cg15300856	rs9653816	T	C	0.148	0.024	0.366	1.01E-09	-0.013	0.017	0.468	0.010	37.278	TRUE	3.91E-09
COPD in never smokers	CBS	cg19312314	rs12482487	T	C	0.492	0.058	0.040	2.40E-17	0.005	0.041	0.893	0.019	71.748	TRUE	1.03E-16
COPD in never smokers	CBS	cg19312314	rs13052393	T	C	-0.237	0.040	0.278	2.76E-09	-0.032	0.019	0.098	0.009	35.326	TRUE	2.48E-08
COPD in never smokers	CBS	cg19312314	rs149095199	T	C	-0.430	0.040	0.084	1.62E-26	-0.042	0.028	0.131	0.030	113.509	TRUE	2.01E-24
COPD in never smokers	CBS	cg19312314	rs1672117	G	A	-0.269	0.027	0.247	1.80E-23	-0.003	0.019	0.867	0.026	99.616	TRUE	1.55E-22
COPD in never smokers	CBS	cg19312314	rs181911461	A	G	-0.552	0.090	0.019	8.29E-10	0.045	0.059	0.442	0.010	37.671	TRUE	3.37E-09
COPD in never smokers	CBS	cg19312314	rs2276240	A	G	-0.172	0.025	0.332	2.76E-12	0.000	0.018	0.982	0.013	48.829	TRUE	6.42E-12
COPD in never smokers	CBS	cg19312314	rs234703	T	C	0.645	0.025	0.281	3.02E-143	0.028	0.018	0.121	0.149	649.044	TRUE	4.02E-129
COPD in never smokers	CBS	cg19312314	rs234784	T	C	0.308	0.033	0.371	3.05E-20	-0.003	0.017	0.843	0.022	84.912	TRUE	1.94E-19
COPD in never smokers	CBS	cg19312314	rs3017545	C	T	0.428	0.035	0.127	9.65E-35	0.000	0.025	0.996	0.039	151.082	TRUE	2.30E-33
COPD in never smokers	CBS	cg19312314	rs35112095	A	G	0.295	0.049	0.057	1.79E-09	-0.053	0.036	0.149	0.010	36.170	TRUE	1.35E-08
COPD in never smokers	CBS	cg19312314	rs35628508	C	T	-0.455	0.049	0.053	1.90E-20	-0.001	0.034	0.979	0.023	85.851	TRUE	9.45E-20
COPD in never smokers	CBS	cg19312314	rs57538964	C	T	-0.743	0.038	0.101	6.34E-85	0.027	0.026	0.307	0.093	381.138	TRUE	1.60E-78
COPD in never smokers	CBS	cg19312314	rs62650037	G	A	0.331	0.023	0.440	1.40E-46	0.030	0.016	0.065	0.053	205.263	TRUE	1.18E-42
COPD in never smokers	CBS	cg19312314	rs71320557	T	C	0.430	0.037	0.107	3.24E-31	0.006	0.026	0.826	0.035	134.966	TRUE	7.60E-30
COPD in never smokers	CBS	cg19312314	rs74748949	T	G	0.418	0.076	0.025	3.91E-08	0.038	0.049	0.433	0.008	30.177	TRUE	1.31E-07
COPD in never smokers	CBS	cg19312314	rs9637290	T	C	-0.791	0.020	0.493	<1E-200	-0.013	0.016	0.433	0.297	1559.258	TRUE	2.28E-291
COPD in never smokers	CBS	cg22633722	rs234716	A	C	-0.261	0.042	0.081	4.87E-10	-0.018	0.030	0.536	0.010	38.709	TRUE	1.75E-09
COPD in never smokers	CBS	cg22633722	rs62217610	A	C	-0.208	0.029	0.205	3.22E-13	0.016	0.020	0.404	0.014	53.042	TRUE	2.16E-12
COPD in never smokers	CBS	cg22633722	rs6586282	T	C	0.206	0.031	0.182	2.35E-11	0.006	0.022	0.796	0.012	44.630	TRUE	6.59E-11
COPD in never smokers	CBS	cg22633722	rs760124	C	T	0.275	0.046	0.066	3.29E-09	0.006	0.033	0.851	0.009	34.988	TRUE	7.00E-09
COPD in never smokers	CD68	cg21808406	rs12942088	C	T	-0.177	0.024	0.386	1.82E-13	-0.046	0.017	0.006	0.014	54.160	TRUE	1.20E-11
COPD in never smokers	CD70	cg22633597	rs10425142	A	G	0.260	0.031	0.179	3.63E-17	0.029	0.022	0.194	0.019	70.929	TRUE	7.65E-16
COPD in never smokers	CD70	cg22633597	rs12971302	C	T	-0.460	0.025	0.314	6.21E-77	0.062	0.018	4.20E-04	0.085	344.460	TRUE	4.40E-68
COPD in never smokers	CD70	cg22633597	rs344590	T	C	-0.319	0.045	0.148	8.88E-13	-0.027	0.024	0.259	0.014	51.049	TRUE	7.96E-12
COPD in never smokers	CD70	cg22633597	rs685587	A	G	0.277	0.033	0.389	5.97E-17	-0.037	0.017	0.031	0.019	69.950	TRUE	3.88E-15
COPD in never smokers	CD70	cg26737640	rs10423611	T	C	0.130	0.024	0.451	4.01E-08	0.048	0.017	0.004	0.008	30.126	TRUE	8.41E-07
COPD in never smokers	CD70	cg26737640	rs112136162	A	G	-0.267	0.024	0.430	1.38E-29	-0.038	0.017	0.023	0.033	127.528	TRUE	1.14E-26
COPD in never smokers	CD84	cg13188263	rs11265434	G	A	-0.650	0.084	0.017	8.97E-15	0.086	0.056	0.127	0.016	60.077	TRUE	1.76E-13
COPD in never smokers	CD84	cg19718360	rs11265434	G	A	-0.618	0.084	0.017	1.45E-13	0.086	0.056	0.127	0.015	54.606	TRUE	2.34E-12
COPD in never smokers	CD84	cg19718360	rs7521247	G	A	-0.217	0.025	0.336	7.34E-19	0.033	0.018	0.067	0.021	78.627	TRUE	4.25E-17
COPD in never smokers	CD84	cg21454485	rs9726326	C	T	-0.167	0.024	0.381	4.90E-12	0.046	0.017	0.006	0.013	47.702	TRUE	2.31E-10

COPD in never smokers	CDH1	cg01251360	rs113703890	T	C	0.413	0.073	0.058	1.75E-08	-0.061	0.033	0.064	0.009	31.740	TRUE	1.63E-07
COPD in never smokers	CDH1	cg01251360	rs12926010	G	A	0.678	0.022	0.397	1.87E-199	-0.026	0.017	0.121	0.197	907.422	TRUE	1.05E-176
COPD in never smokers	CDH1	cg01251360	rs153045	C	T	-0.139	0.025	0.349	4.81E-08	-0.007	0.017	0.670	0.008	29.776	TRUE	1.15E-07
COPD in never smokers	CDH1	cg01251360	rs33965115	A	G	0.289	0.050	0.056	7.07E-09	0.053	0.032	0.103	0.009	33.499	TRUE	5.79E-08
COPD in never smokers	CDH1	cg01251360	rs35628469	A	G	0.241	0.037	0.118	5.05E-11	0.027	0.025	0.278	0.012	43.136	TRUE	3.36E-10
COPD in never smokers	CDH1	cg01251360	rs55803225	T	C	-0.351	0.028	0.225	8.93E-37	0.016	0.019	0.391	0.042	160.383	TRUE	1.61E-34
COPD in never smokers	CDH1	cg01251360	rs696589	A	G	0.184	0.024	0.475	1.81E-14	-0.003	0.017	0.855	0.016	58.693	TRUE	6.26E-14
COPD in never smokers	CDH1	cg01251360	rs8056633	G	T	-0.182	0.028	0.211	6.74E-11	0.004	0.020	0.829	0.011	42.570	TRUE	1.73E-10
COPD in never smokers	CDH1	cg01251360	rs8063605	C	T	0.348	0.035	0.116	5.23E-23	0.043	0.025	0.082	0.026	97.505	TRUE	5.36E-21
COPD in never smokers	CDH1	cg01251360	rs9934572	G	A	-0.223	0.030	0.193	9.15E-14	-0.016	0.021	0.455	0.015	55.512	TRUE	5.92E-13
COPD in never smokers	CDH1	cg01251360	rs9936766	C	T	0.190	0.029	0.213	2.87E-11	-0.025	0.020	0.217	0.012	44.242	TRUE	2.32E-10
COPD in never smokers	CDH1	cg01857829	rs4783676	A	C	0.229	0.024	0.426	2.72E-22	-0.028	0.017	0.097	0.025	94.241	TRUE	2.17E-20
COPD in never smokers	CDH1	cg04398983	rs4783676	A	C	0.288	0.024	0.426	1.42E-34	-0.028	0.017	0.097	0.039	150.313	TRUE	8.97E-32
COPD in never smokers	CDH1	cg04398983	rs7202333	C	T	0.155	0.024	0.392	7.99E-11	0.003	0.017	0.842	0.011	42.238	TRUE	2.00E-10
COPD in never smokers	CDH1	cg04398983	rs8049247	A	C	-0.200	0.034	0.139	3.36E-09	-0.002	0.024	0.926	0.009	34.944	TRUE	6.51E-09
COPD in never smokers	CDH1	cg04398983	rs9936766	C	T	0.167	0.028	0.213	4.19E-09	-0.025	0.020	0.217	0.009	34.514	TRUE	2.45E-08
COPD in never smokers	CDH1	cg05785947	rs1886699	G	T	0.281	0.038	0.105	8.00E-14	0.010	0.026	0.689	0.015	55.775	TRUE	3.40E-13
COPD in never smokers	CDH1	cg07762788	rs192253604	A	G	0.332	0.050	0.059	2.05E-11	-0.051	0.035	0.153	0.012	44.897	TRUE	2.10E-10
COPD in never smokers	CDH1	cg08616585	rs8059194	G	A	-0.202	0.024	0.395	2.92E-17	-0.025	0.017	0.139	0.019	71.361	TRUE	7.97E-16
COPD in never smokers	CDH1	cg09220040	rs118029198	G	T	-0.530	0.065	0.030	2.07E-16	-0.016	0.047	0.731	0.018	67.495	TRUE	1.08E-15
COPD in never smokers	CDH1	cg09220040	rs16958383	A	G	-0.614	0.032	0.137	3.02E-81	-0.024	0.023	0.307	0.090	364.259	TRUE	3.34E-75
COPD in never smokers	CDH1	cg09220040	rs3114396	G	A	-0.199	0.027	0.258	1.12E-13	0.008	0.019	0.684	0.015	55.116	TRUE	4.73E-13
COPD in never smokers	CDH1	cg09220040	rs7202333	C	T	0.159	0.024	0.392	2.34E-11	0.003	0.017	0.842	0.012	44.639	TRUE	6.15E-11
COPD in never smokers	CDH1	cg09220040	rs75025381	T	C	-0.194	0.028	0.208	4.15E-12	0.016	0.020	0.439	0.013	48.026	TRUE	2.26E-11
COPD in never smokers	CDH1	cg09220040	rs79699130	A	G	-0.497	0.064	0.033	9.02E-15	-0.038	0.043	0.387	0.016	60.066	TRUE	7.68E-14
COPD in never smokers	CDH1	cg09220040	rs8049967	A	G	-0.359	0.062	0.036	6.44E-09	0.007	0.042	0.863	0.009	33.679	TRUE	1.32E-08
COPD in never smokers	CDH1	cg09406989	rs13689	C	T	-0.245	0.030	0.182	2.04E-16	0.007	0.021	0.722	0.018	67.525	TRUE	1.08E-15
COPD in never smokers	CDH1	cg09406989	rs150699501	T	C	-0.566	0.097	0.014	5.62E-09	0.026	0.069	0.703	0.009	33.944	TRUE	1.42E-08
COPD in never smokers	CDH1	cg09406989	rs34171206	A	G	0.239	0.024	0.461	3.39E-24	-0.026	0.017	0.123	0.027	102.919	TRUE	3.07E-22
COPD in never smokers	CDH1	cg09406989	rs72787251	A	G	-0.258	0.044	0.077	3.10E-09	-0.021	0.030	0.488	0.009	35.101	TRUE	1.09E-08
COPD in never smokers	CDH1	cg09406989	rs75158225	A	G	0.506	0.084	0.021	1.48E-09	-0.002	0.064	0.977	0.010	36.537	TRUE	2.77E-09
COPD in never smokers	CDH1	cg09406989	rs79777749	A	C	-0.327	0.042	0.082	1.29E-14	0.020	0.029	0.485	0.016	59.369	TRUE	8.69E-14
COPD in never smokers	CDH1	cg09406989	rs8063605	C	T	0.313	0.035	0.116	6.68E-19	0.043	0.025	0.082	0.021	78.812	TRUE	3.44E-17
COPD in never smokers	CDH1	cg09406989	rs9673498	T	C	-0.200	0.029	0.217	4.66E-12	0.004	0.020	0.838	0.013	47.800	TRUE	1.31E-11
COPD in never smokers	CDH1	cg09406989	rs9925445	C	T	-0.394	0.036	0.111	6.51E-28	0.035	0.025	0.162	0.031	119.877	TRUE	8.35E-26
COPD in never smokers	CDH1	cg13920367	rs10775304	C	T	0.162	0.026	0.295	6.34E-10	-0.015	0.018	0.415	0.010	38.195	TRUE	2.74E-09
COPD in never smokers	CDH1	cg13920367	rs1107074	G	A	-0.251	0.028	0.233	1.13E-19	0.024	0.019	0.213	0.022	82.326	TRUE	3.20E-18
COPD in never smokers	CDH1	cg13920367	rs11649261	A	G	-0.296	0.024	0.343	4.44E-34	0.019	0.017	0.287	0.038	148.052	TRUE	8.01E-32
COPD in never smokers	CDH1	cg13920367	rs13332087	C	T	-0.237	0.030	0.193	2.91E-15	-0.015	0.021	0.459	0.017	62.295	TRUE	2.25E-14
COPD in never smokers	CDH1	cg13920367	rs139478886	G	A	-0.492	0.087	0.014	1.75E-08	0.004	0.071	0.960	0.009	31.740	TRUE	3.06E-08
COPD in never smokers	CDH1	cg13920367	rs148712046	A	G	0.707	0.122	0.024	6.13E-09	-0.006	0.052	0.908	0.009	33.776	TRUE	1.19E-08
COPD in never smokers	CDH1	cg13920367	rs33965115	A	G	0.479	0.050	0.056	5.49E-22	0.053	0.032	0.103	0.024	92.853	TRUE	3.99E-20

COPD in never smokers	CDH1	cg13920367	rs62057896	A	G	-0.328	0.036	0.109	2.24E-19	0.014	0.026	0.590	0.021	80.972	TRUE	2.15E-18
COPD in never smokers	CDH1	cg13920367	rs7184242	A	G	0.719	0.025	0.291	4.48E-187	-0.044	0.018	0.017	0.187	850.508	TRUE	1.06E-164
COPD in never smokers	CDH1	cg13920367	rs7199649	G	A	-0.337	0.034	0.134	2.80E-23	0.010	0.024	0.673	0.026	98.745	TRUE	3.56E-22
COPD in never smokers	CDH1	cg13920367	rs75158225	A	G	0.666	0.084	0.021	1.57E-15	-0.002	0.064	0.977	0.017	63.507	TRUE	4.90E-15
COPD in never smokers	CDH1	cg13920367	rs8055800	T	C	-0.239	0.044	0.078	4.27E-08	0.029	0.028	0.295	0.008	30.005	TRUE	1.81E-07
COPD in never smokers	CDH1	cg13920367	rs9783747	G	A	0.244	0.031	0.173	3.03E-15	-0.005	0.022	0.810	0.017	62.215	TRUE	1.22E-14
COPD in never smokers	CDH1	cg16739895	rs12926010	G	A	0.134	0.024	0.397	1.41E-08	-0.026	0.017	0.121	0.009	32.157	TRUE	1.01E-07
COPD in never smokers	CDH1	cg17655614	rs11075699	G	A	-0.141	0.023	0.447	1.21E-09	0.024	0.017	0.143	0.010	36.929	TRUE	9.65E-09
COPD in never smokers	CDH1	cg17655614	rs3912073	G	T	0.315	0.037	0.108	1.93E-17	0.012	0.026	0.655	0.019	72.180	TRUE	1.29E-16
COPD in never smokers	CDH1	cg20716119	rs12923775	C	T	0.246	0.024	0.420	2.94E-25	-0.035	0.017	0.039	0.028	107.766	TRUE	7.52E-23
COPD in never smokers	CDH1	cg23989635	rs11642362	T	C	0.177	0.024	0.424	7.26E-14	-0.026	0.017	0.114	0.015	55.966	TRUE	1.31E-12
COPD in never smokers	CDH1	cg24765079	rs12149862	A	G	0.172	0.031	0.173	2.94E-08	-0.009	0.022	0.669	0.008	30.728	TRUE	7.21E-08
COPD in never smokers	CDH1	cg24765079	rs34171206	A	G	0.220	0.024	0.461	1.25E-20	-0.026	0.017	0.123	0.023	86.677	TRUE	6.38E-19
COPD in never smokers	CDH1	cg24765079	rs72787251	A	G	-0.266	0.044	0.077	1.15E-09	-0.021	0.030	0.488	0.010	37.034	TRUE	4.26E-09
COPD in never smokers	CDH1	cg24765079	rs75921150	C	A	0.560	0.095	0.017	4.11E-09	0.020	0.070	0.769	0.009	34.553	TRUE	9.63E-09
COPD in never smokers	CDH1	cg24765079	rs8063605	C	T	0.304	0.035	0.116	7.03E-18	0.043	0.025	0.082	0.020	74.168	TRUE	3.04E-16
COPD in never smokers	CDH1	cg24765079	rs9925445	C	T	-0.352	0.036	0.111	1.94E-22	0.035	0.025	0.162	0.025	94.915	TRUE	1.05E-20
COPD in never smokers	CDH1	cg24765079	rs9934572	G	A	-0.191	0.030	0.193	1.83E-10	-0.016	0.021	0.455	0.011	40.617	TRUE	7.90E-10
COPD in never smokers	CDH1	cg26508465	rs13330378	A	G	-0.202	0.026	0.299	3.68E-15	-0.037	0.018	0.042	0.016	61.833	TRUE	1.46E-13
COPD in never smokers	CDH1	cg26508465	rs74608019	T	C	0.506	0.078	0.020	1.03E-10	-0.109	0.057	0.054	0.011	41.739	TRUE	1.58E-09
COPD in never smokers	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	-0.026	0.016	0.109	0.014	51.673	TRUE	1.02E-11
COPD in never smokers	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	-0.014	0.018	0.443	0.014	52.012	TRUE	3.27E-12
COPD in never smokers	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	0.051	0.037	0.177	0.014	52.555	TRUE	5.03E-12
COPD in never smokers	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	0.043	0.044	0.329	0.009	32.855	TRUE	4.26E-08
COPD in never smokers	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	-0.013	0.017	0.434	0.016	59.196	TRUE	1.05E-13
COPD in never smokers	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	0.044	0.031	0.159	0.330	1817.779	TRUE	<1E-200
COPD in never smokers	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	0.023	0.017	0.176	0.023	88.968	TRUE	1.63E-19
COPD in never smokers	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	0.023	0.017	0.191	0.028	106.985	TRUE	3.07E-23
COPD in never smokers	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	0.020	0.023	0.367	0.011	39.531	TRUE	1.57E-09
COPD in never smokers	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	-0.044	0.063	0.489	0.017	64.538	TRUE	7.16E-15
COPD in never smokers	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	-0.032	0.017	0.063	0.019	72.841	TRUE	6.70E-16
COPD in never smokers	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	0.000	0.019	0.997	0.011	41.726	TRUE	2.07E-10
COPD in never smokers	CLEC16A	cg00121339	rs3960630	A	C	0.183	0.028	0.222	3.10E-11	0.032	0.020	0.107	0.012	44.088	TRUE	3.75E-10
COPD in never smokers	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	0.029	0.018	0.105	0.028	106.434	TRUE	6.72E-23
COPD in never smokers	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	-0.014	0.017	0.393	0.075	299.324	TRUE	1.51E-62
COPD in never smokers	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	0.003	0.025	0.905	0.161	707.670	TRUE	1.05E-142
COPD in never smokers	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	-0.042	0.071	0.555	0.014	51.405	TRUE	3.56E-12
COPD in never smokers	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	0.009	0.020	0.667	0.009	32.640	TRUE	2.82E-08
COPD in never smokers	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	-0.005	0.025	0.830	0.018	66.076	TRUE	1.80E-15
COPD in never smokers	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	-0.031	0.017	0.060	0.019	73.132	TRUE	5.97E-16
COPD in never smokers	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	0.051	0.037	0.177	0.014	52.740	TRUE	4.61E-12
COPD in never smokers	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	0.019	0.017	0.266	0.012	45.917	TRUE	9.10E-11

COPD in never smokers	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	0.005	0.021	0.805	0.030	112.666	TRUE	3.37E-25
COPD in never smokers	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	0.044	0.031	0.159	0.066	261.606	TRUE	2.24E-54
COPD in never smokers	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	-0.031	0.017	0.062	0.014	54.032	TRUE	4.58E-12
COPD in never smokers	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	0.027	0.017	0.105	0.019	73.015	TRUE	4.44E-16
COPD in never smokers	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	0.017	0.025	0.488	0.076	302.166	TRUE	2.60E-63
COPD in never smokers	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	0.005	0.017	0.758	0.011	40.350	TRUE	5.66E-10
COPD in never smokers	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	-0.028	0.019	0.129	0.014	52.354	TRUE	6.73E-12
COPD in never smokers	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	-0.043	0.017	0.013	0.072	288.915	TRUE	1.51E-58
COPD in never smokers	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	0.020	0.020	0.319	0.011	41.593	TRUE	6.41E-10
COPD in never smokers	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	0.027	0.036	0.449	0.011	41.041	TRUE	6.50E-10
COPD in never smokers	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	0.066	0.064	0.303	0.012	43.128	TRUE	3.18E-10
COPD in never smokers	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	0.024	0.021	0.258	0.022	84.691	TRUE	8.79E-19
COPD in never smokers	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	-0.046	0.050	0.356	0.016	61.438	TRUE	4.28E-14
COPD in never smokers	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	-0.008	0.018	0.647	0.082	331.161	TRUE	2.19E-69
COPD in never smokers	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	0.032	0.046	0.487	0.033	126.080	TRUE	1.26E-27
COPD in never smokers	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	0.005	0.017	0.770	0.016	60.667	TRUE	2.76E-14
COPD in never smokers	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	0.001	0.018	0.935	0.019	71.819	TRUE	9.22E-17
COPD in never smokers	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	0.019	0.019	0.330	0.009	32.295	TRUE	5.57E-08
COPD in never smokers	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	-0.012	0.017	0.476	0.013	48.377	TRUE	1.78E-11
COPD in never smokers	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	-0.034	0.047	0.473	0.010	37.194	TRUE	4.04E-09
COPD in never smokers	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	0.021	0.017	0.204	0.065	257.463	TRUE	1.05E-53
COPD in never smokers	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	0.015	0.021	0.473	0.048	188.382	TRUE	2.35E-40
COPD in never smokers	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	0.009	0.027	0.744	0.064	251.330	TRUE	1.57E-53
COPD in never smokers	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	0.019	0.017	0.253	0.036	137.835	TRUE	1.13E-29
COPD in never smokers	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	0.012	0.037	0.751	0.012	43.796	TRUE	1.06E-10
COPD in never smokers	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	-0.042	0.071	0.555	0.009	32.445	TRUE	3.61E-08
COPD in never smokers	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	-0.042	0.033	0.205	0.025	96.102	TRUE	4.87E-21
COPD in never smokers	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	-0.028	0.022	0.193	0.025	96.297	TRUE	4.71E-21
COPD in never smokers	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	0.032	0.017	0.052	0.118	494.295	TRUE	4.00E-99
COPD in never smokers	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	-0.002	0.026	0.930	0.053	205.610	TRUE	1.70E-44
COPD in never smokers	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	-0.069	0.020	6.85E-04	0.029	112.295	TRUE	8.49E-23
COPD in never smokers	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	-0.044	0.063	0.489	0.013	50.367	TRUE	6.63E-12
COPD in never smokers	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	-0.054	0.020	0.006	0.014	50.897	TRUE	5.34E-11
COPD in never smokers	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	-0.042	0.071	0.555	0.009	34.738	TRUE	1.18E-08
COPD in never smokers	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	-0.007	0.025	0.771	0.082	329.037	TRUE	3.56E-69
COPD in never smokers	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	0.044	0.031	0.154	0.015	56.577	TRUE	8.13E-13
COPD in never smokers	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	-0.005	0.022	0.821	0.009	34.069	TRUE	1.15E-08
COPD in never smokers	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	0.017	0.025	0.488	0.012	45.951	TRUE	5.62E-11
COPD in never smokers	CLEC16A	cg26788616	rs143212442	T	C	0.274	0.045	0.064	1.25E-09	-0.034	0.032	0.293	0.010	36.865	TRUE	6.61E-09
COPD in never smokers	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	0.032	0.046	0.487	0.065	257.083	TRUE	2.81E-54
COPD in never smokers	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	-0.036	0.017	0.039	0.034	129.413	TRUE	3.23E-27
COPD in never smokers	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	0.038	0.032	0.230	0.010	36.745	TRUE	8.12E-09

COPD in never smokers	CLU	cg02393097	rs1982229	T	C	0.202	0.024	0.336	1.36E-16	-0.026	0.017	0.123	0.018	68.329	TRUE	3.63E-15
COPD in never smokers	CLU	cg16292768	rs867230	C	A	-0.312	0.024	0.399	7.43E-40	0.003	0.017	0.872	0.045	174.477	TRUE	4.80E-38
COPD in never smokers	CPLX2	cg01235000	rs12521617	A	G	0.638	0.038	0.099	2.98E-63	0.009	0.027	0.752	0.071	281.687	TRUE	1.16E-59
COPD in never smokers	CPLX2	cg01235000	rs2647	G	A	-0.161	0.025	0.330	1.01E-10	-0.005	0.018	0.779	0.011	41.773	TRUE	2.74E-10
COPD in never smokers	CPLX2	cg01235000	rs4242187	T	C	0.152	0.025	0.337	6.77E-10	0.031	0.017	0.073	0.010	38.065	TRUE	7.77E-09
COPD in never smokers	CPLX2	cg01235000	rs6556253	A	G	1.061	0.059	0.046	9.74E-73	0.073	0.043	0.088	0.081	325.207	TRUE	1.27E-66
COPD in never smokers	CPLX2	cg01235000	rs67877276	T	C	0.138	0.025	0.381	1.64E-08	0.022	0.017	0.190	0.009	31.859	TRUE	9.41E-08
COPD in never smokers	CPLX2	cg01235000	rs6863932	A	G	-0.177	0.024	0.404	1.14E-13	0.002	0.017	0.893	0.015	55.072	TRUE	3.45E-13
COPD in never smokers	CPLX2	cg01235000	rs6879889	C	T	0.972	0.097	0.029	8.28E-24	-0.020	0.050	0.693	0.027	101.155	TRUE	1.07E-22
COPD in never smokers	CPLX2	cg01235000	rs7443800	A	G	0.298	0.023	0.439	4.89E-37	-0.011	0.017	0.508	0.042	161.579	TRUE	6.12E-35
COPD in never smokers	CPLX2	cg01252455	rs7724670	A	G	0.400	0.059	0.046	1.57E-11	0.077	0.041	0.062	0.012	45.425	TRUE	2.63E-10
COPD in never smokers	CPLX2	cg01284438	rs12521617	A	G	0.535	0.038	0.099	2.40E-44	0.009	0.027	0.752	0.050	195.033	TRUE	4.18E-42
COPD in never smokers	CPLX2	cg01284438	rs17671074	A	G	0.521	0.052	0.067	4.66E-24	0.052	0.032	0.105	0.027	102.293	TRUE	4.69E-22
COPD in never smokers	CPLX2	cg01284438	rs2647	G	A	-0.151	0.025	0.330	1.31E-09	-0.005	0.018	0.779	0.010	36.782	TRUE	3.18E-09
COPD in never smokers	CPLX2	cg01284438	rs4242187	T	C	0.164	0.025	0.337	2.94E-11	0.031	0.017	0.073	0.012	44.196	TRUE	4.31E-10
COPD in never smokers	CPLX2	cg01284438	rs56405440	T	C	0.288	0.023	0.472	2.47E-35	-0.022	0.018	0.213	0.040	153.789	TRUE	7.80E-33
COPD in never smokers	CPLX2	cg01284438	rs62402495	T	C	0.516	0.086	0.041	2.23E-09	0.050	0.049	0.311	0.010	35.747	TRUE	1.09E-08
COPD in never smokers	CPLX2	cg01284438	rs6863932	A	G	-0.156	0.024	0.404	6.54E-11	0.002	0.017	0.893	0.011	42.629	TRUE	1.53E-10
COPD in never smokers	CPLX2	cg01938009	rs2647	G	A	-0.143	0.025	0.330	8.65E-09	-0.005	0.018	0.779	0.009	33.105	TRUE	1.94E-08
COPD in never smokers	CPLX2	cg01938009	rs56405440	T	C	0.155	0.023	0.472	3.41E-11	-0.022	0.018	0.213	0.012	43.900	TRUE	2.77E-10
COPD in never smokers	CPLX2	cg01938009	rs72807216	T	C	0.307	0.047	0.069	5.62E-11	0.042	0.030	0.163	0.011	42.926	TRUE	5.17E-10
COPD in never smokers	CPLX2	cg01938009	rs7446213	C	T	0.311	0.024	0.350	2.89E-37	0.038	0.017	0.029	0.042	162.627	TRUE	8.61E-34
COPD in never smokers	CPLX2	cg01946364	rs11134941	T	G	-0.135	0.023	0.455	5.74E-09	-0.024	0.017	0.139	0.009	33.904	TRUE	4.14E-08
COPD in never smokers	CPLX2	cg01946364	rs79281561	T	C	0.629	0.103	0.023	9.45E-10	-0.004	0.053	0.933	0.010	37.416	TRUE	1.90E-09
COPD in never smokers	CPLX2	cg08570034	rs2545329	A	G	-0.245	0.024	0.438	2.60E-25	-0.013	0.017	0.455	0.028	108.004	TRUE	7.37E-24
COPD in never smokers	CPLX2	cg08670383	rs12521617	A	G	0.221	0.038	0.099	7.38E-09	0.009	0.027	0.752	0.009	33.415	TRUE	1.73E-08
COPD in never smokers	CPLX2	cg09336320	rs2434237	A	C	-0.165	0.028	0.208	4.67E-09	0.036	0.020	0.065	0.009	34.303	TRUE	4.85E-08
COPD in never smokers	CPLX2	cg10312572	rs10463052	T	C	-0.141	0.024	0.451	2.84E-09	-0.015	0.017	0.387	0.009	35.275	TRUE	1.19E-08
COPD in never smokers	CPLX2	cg10312572	rs890736	C	T	-0.170	0.028	0.206	2.01E-09	0.035	0.020	0.075	0.010	35.945	TRUE	2.10E-08
COPD in never smokers	CPLX2	cg10663557	rs12521617	A	G	0.307	0.038	0.099	1.29E-15	0.009	0.027	0.752	0.017	63.899	TRUE	5.93E-15
COPD in never smokers	CPLX2	cg10663557	rs1643771	A	G	0.208	0.023	0.474	3.06E-19	-0.014	0.017	0.421	0.021	80.356	TRUE	4.27E-18
COPD in never smokers	CPLX2	cg10663557	rs7724670	A	G	0.400	0.059	0.046	1.73E-11	0.077	0.041	0.062	0.012	45.229	TRUE	2.88E-10
COPD in never smokers	CPLX2	cg11128983	rs1017306	G	A	0.489	0.033	0.132	9.12E-51	0.078	0.023	6.95E-04	0.057	224.447	TRUE	6.84E-45
COPD in never smokers	CPLX2	cg11128983	rs11738108	C	T	0.533	0.082	0.040	6.84E-11	-0.018	0.046	0.698	0.011	42.541	TRUE	2.11E-10
COPD in never smokers	CPLX2	cg11128983	rs17671074	A	G	0.395	0.052	0.067	2.18E-14	0.052	0.032	0.105	0.016	58.335	TRUE	4.51E-13
COPD in never smokers	CPLX2	cg11128983	rs182555517	T	G	0.560	0.099	0.017	1.47E-08	0.079	0.060	0.183	0.009	32.081	TRUE	8.63E-08
COPD in never smokers	CPLX2	cg11128983	rs4868535	A	G	-0.364	0.035	0.137	7.00E-26	-0.052	0.024	0.032	0.029	110.607	TRUE	2.28E-23
COPD in never smokers	CPLX2	cg11128983	rs4868635	A	G	0.137	0.024	0.417	1.59E-08	0.014	0.017	0.389	0.009	31.928	TRUE	6.00E-08
COPD in never smokers	CPLX2	cg11128983	rs59092768	T	C	-0.253	0.039	0.098	8.23E-11	-0.002	0.029	0.958	0.011	42.180	TRUE	1.75E-10
COPD in never smokers	CPLX2	cg11128983	rs62387138	C	T	-0.428	0.033	0.145	5.64E-39	0.019	0.023	0.405	0.044	170.448	TRUE	1.35E-36
COPD in never smokers	CPLX2	cg11128983	rs72823151	T	C	-0.386	0.042	0.087	4.34E-20	0.026	0.029	0.354	0.022	84.215	TRUE	8.10E-19
COPD in never smokers	CPLX2	cg11128983	rs75722727	T	C	0.444	0.064	0.069	2.93E-12	0.037	0.034	0.270	0.013	48.708	TRUE	2.37E-11

COPD in never smokers	CPLX2	cg12578615	rs11134931	G	A	-0.216	0.024	0.382	6.19E-19	0.016	0.017	0.354	0.021	78.963	TRUE	9.91E-18
COPD in never smokers	CPLX2	cg12578615	rs11134942	A	G	0.252	0.023	0.450	2.77E-27	-0.023	0.017	0.157	0.031	117.009	TRUE	3.31E-25
COPD in never smokers	CPLX2	cg12578615	rs56184102	A	C	-0.780	0.067	0.031	2.17E-31	0.002	0.044	0.959	0.035	135.762	TRUE	3.77E-30
COPD in never smokers	CPLX2	cg12578615	rs62387138	C	T	-0.869	0.031	0.145	5.95E-168	0.019	0.023	0.405	0.171	762.599	TRUE	1.29E-151
COPD in never smokers	CPLX2	cg15622912	rs11748001	A	G	0.141	0.025	0.317	2.52E-08	-0.016	0.018	0.354	0.008	31.032	TRUE	9.84E-08
COPD in never smokers	CPLX2	cg16105591	rs12521617	A	G	0.388	0.039	0.099	9.52E-24	0.009	0.027	0.752	0.027	100.878	TRUE	1.08E-22
COPD in never smokers	CPLX2	cg16105591	rs17671074	A	G	0.397	0.052	0.067	1.61E-14	0.052	0.032	0.105	0.016	58.929	TRUE	3.41E-13
COPD in never smokers	CPLX2	cg16105591	rs4868539	A	G	0.132	0.023	0.453	1.66E-08	-0.006	0.017	0.732	0.009	31.840	TRUE	3.84E-08
COPD in never smokers	CPLX2	cg16105591	rs7443800	A	G	0.274	0.023	0.439	2.03E-31	-0.011	0.017	0.508	0.035	135.890	TRUE	1.14E-29
COPD in never smokers	CPLX2	cg16460727	rs12521617	A	G	0.222	0.039	0.099	8.45E-09	0.009	0.027	0.752	0.009	33.150	TRUE	1.97E-08
COPD in never smokers	CPLX2	cg19649083	rs11134941	T	G	-0.176	0.023	0.455	4.21E-14	-0.024	0.017	0.139	0.015	57.038	TRUE	6.99E-13
COPD in never smokers	CPLX2	cg19649083	rs12521617	A	G	0.451	0.038	0.099	8.85E-32	0.009	0.027	0.752	0.036	137.540	TRUE	2.68E-30
COPD in never smokers	CPLX2	cg19649083	rs369850362	G	A	0.976	0.059	0.046	7.99E-61	0.086	0.042	0.038	0.068	270.552	TRUE	2.15E-55
COPD in never smokers	CPLX2	cg19649083	rs62389203	T	C	0.216	0.023	0.454	3.60E-20	-0.022	0.017	0.205	0.022	84.585	TRUE	1.13E-18
COPD in never smokers	CPLX2	cg19649083	rs6879889	C	T	0.823	0.097	0.029	2.42E-17	-0.020	0.050	0.693	0.019	71.727	TRUE	1.50E-16
COPD in never smokers	CPLX2	cg19649083	rs7727183	T	C	0.158	0.028	0.211	2.59E-08	0.032	0.020	0.098	0.008	30.972	TRUE	1.96E-07
COPD in never smokers	CPLX2	cg21753973	rs12521617	A	G	0.272	0.039	0.099	1.95E-12	0.009	0.027	0.752	0.013	49.511	TRUE	6.48E-12
COPD in never smokers	CPLX2	cg21753973	rs56405440	T	C	0.185	0.023	0.472	2.21E-15	-0.022	0.018	0.213	0.017	62.839	TRUE	3.32E-14
COPD in never smokers	CPLX2	cg21753973	rs6556253	A	G	0.449	0.060	0.046	7.42E-14	0.073	0.043	0.088	0.015	55.923	TRUE	1.56E-12
COPD in never smokers	CPLX2	cg22988198	rs10476184	T	C	-0.133	0.024	0.394	3.61E-08	-0.003	0.017	0.862	0.008	30.330	TRUE	6.93E-08
COPD in never smokers	CPLX2	cg22988198	rs12520622	T	C	0.285	0.023	0.454	3.15E-34	-0.024	0.018	0.179	0.039	148.733	TRUE	1.01E-31
COPD in never smokers	CPLX2	cg22988198	rs12521617	A	G	0.508	0.038	0.099	3.42E-40	0.009	0.027	0.752	0.045	176.018	TRUE	3.25E-38
COPD in never smokers	CPLX2	cg22988198	rs6863932	A	G	-0.196	0.024	0.404	2.21E-16	0.002	0.017	0.893	0.018	67.365	TRUE	8.65E-16
COPD in never smokers	CPLX2	cg22988198	rs6879889	C	T	0.699	0.097	0.029	5.90E-13	-0.020	0.050	0.693	0.014	51.853	TRUE	2.27E-12
COPD in never smokers	CPLX2	cg22988198	rs7724670	A	G	0.846	0.059	0.046	7.53E-47	0.077	0.041	0.062	0.053	206.502	TRUE	7.03E-43
COPD in never smokers	CPLX2	cg26121591	rs4867808	A	G	-0.156	0.024	0.363	4.27E-11	0.009	0.017	0.585	0.012	43.465	TRUE	1.60E-10
COPD in never smokers	CPLX2	cg26121591	rs62387138	C	T	0.192	0.033	0.145	4.25E-09	0.019	0.023	0.405	0.009	34.489	TRUE	1.68E-08
COPD in never smokers	CPLX2	cg26303222	rs58156946	A	G	-0.326	0.044	0.084	1.50E-13	0.009	0.031	0.780	0.015	54.547	TRUE	5.33E-13
COPD in never smokers	CPLX2	cg26303222	rs9313730	G	A	0.133	0.023	0.467	8.44E-09	0.021	0.016	0.201	0.009	33.152	TRUE	4.91E-08
COPD in never smokers	CTSW	cg01669108	rs10750766	C	A	-0.184	0.026	0.295	1.96E-12	-0.011	0.018	0.560	0.013	49.498	TRUE	8.89E-12
COPD in never smokers	CTSW	cg01669108	rs10791830	T	C	0.854	0.028	0.196	4.90E-208	-0.046	0.021	0.027	0.204	946.876	TRUE	2.05E-182
COPD in never smokers	CTSW	cg01669108	rs12146493	A	G	0.183	0.025	0.336	2.36E-13	-0.001	0.017	0.936	0.014	53.649	TRUE	6.47E-13
COPD in never smokers	CTSW	cg01669108	rs12294910	A	G	0.247	0.030	0.192	7.85E-17	0.001	0.021	0.970	0.018	69.409	TRUE	2.80E-16
COPD in never smokers	CTSW	cg01669108	rs145650095	T	C	-0.372	0.057	0.046	5.22E-11	0.040	0.038	0.285	0.012	43.069	TRUE	3.40E-10
COPD in never smokers	CTSW	cg01669108	rs35661464	T	C	0.151	0.027	0.256	2.50E-08	-0.015	0.019	0.438	0.008	31.046	TRUE	8.51E-08
COPD in never smokers	CTSW	cg01669108	rs473661	C	T	0.791	0.063	0.037	5.46E-36	-0.039	0.046	0.393	0.041	156.788	TRUE	8.65E-34
COPD in never smokers	CTSW	cg01669108	rs523029	T	G	0.237	0.024	0.438	2.27E-23	-0.020	0.017	0.215	0.026	99.161	TRUE	1.10E-21
COPD in never smokers	CTSW	cg01669108	rs560577	C	T	0.279	0.043	0.077	5.27E-11	-0.072	0.031	0.019	0.012	43.050	TRUE	1.31E-09
COPD in never smokers	CTSW	cg01669108	rs60109456	G	A	-0.142	0.024	0.369	5.64E-09	0.000	0.017	0.992	0.009	33.937	TRUE	9.88E-09
COPD in never smokers	CTSW	cg01669108	rs61895424	T	G	0.139	0.025	0.354	2.27E-08	-0.004	0.017	0.840	0.008	31.236	TRUE	4.54E-08
COPD in never smokers	CTSW	cg01669108	rs654638	G	A	-0.270	0.029	0.211	5.73E-21	0.009	0.020	0.644	0.023	88.216	TRUE	5.91E-20
COPD in never smokers	CTSW	cg01669108	rs76812270	A	G	0.657	0.058	0.039	3.83E-30	-0.030	0.044	0.498	0.034	130.066	TRUE	1.85E-28

COPD in never smokers	CTSW	cg01669108	rs79783977	G	A	0.801	0.093	0.017	5.53E-18	0.004	0.059	0.943	0.020	74.642	TRUE	2.31E-17
COPD in never smokers	CTSW	cg03887787	rs10896018	A	G	-0.164	0.026	0.286	3.77E-10	0.034	0.018	0.063	0.010	39.207	TRUE	4.86E-09
COPD in never smokers	CTSW	cg03887787	rs11227378	G	A	-0.240	0.030	0.194	9.50E-16	0.023	0.021	0.280	0.017	64.496	TRUE	1.22E-14
COPD in never smokers	CTSW	cg03887787	rs117542775	T	C	0.493	0.064	0.031	1.23E-14	0.034	0.043	0.435	0.016	59.458	TRUE	9.24E-14
COPD in never smokers	CTSW	cg03887787	rs118186922	G	A	0.854	0.151	0.010	1.50E-08	-0.177	0.087	0.041	0.009	32.040	TRUE	1.68E-07
COPD in never smokers	CTSW	cg03887787	rs12576996	G	T	-0.357	0.027	0.254	3.31E-40	0.032	0.019	0.089	0.045	176.086	TRUE	6.21E-37
COPD in never smokers	CTSW	cg03887787	rs141055352	T	G	0.563	0.074	0.053	2.57E-14	-0.026	0.037	0.478	0.015	58.008	TRUE	1.70E-13
COPD in never smokers	CTSW	cg03887787	rs185542523	T	C	1.084	0.097	0.016	7.33E-29	0.028	0.055	0.607	0.032	124.208	TRUE	2.20E-27
COPD in never smokers	CTSW	cg03887787	rs191644674	T	C	0.911	0.118	0.019	1.03E-14	-0.121	0.069	0.080	0.016	59.810	TRUE	2.63E-13
COPD in never smokers	CTSW	cg03887787	rs2271448	T	C	0.210	0.026	0.319	2.08E-16	0.011	0.018	0.528	0.018	67.488	TRUE	1.60E-15
COPD in never smokers	CTSW	cg03887787	rs2276133	A	G	-0.276	0.027	0.244	9.31E-24	-0.014	0.019	0.469	0.027	100.921	TRUE	2.06E-22
COPD in never smokers	CTSW	cg03887787	rs35957860	T	C	1.574	0.062	0.036	2.71E-142	-0.039	0.046	0.400	0.148	644.668	TRUE	1.53E-129
COPD in never smokers	CTSW	cg03887787	rs3850947	C	T	0.195	0.027	0.256	5.48E-13	-0.012	0.019	0.536	0.014	51.998	TRUE	2.77E-12
COPD in never smokers	CTSW	cg03887787	rs3867128	T	C	-0.307	0.034	0.129	4.80E-19	-0.006	0.024	0.793	0.021	79.467	TRUE	2.95E-18
COPD in never smokers	CTSW	cg03887787	rs560577	C	T	0.339	0.043	0.077	1.57E-15	-0.072	0.031	0.019	0.017	63.506	TRUE	9.77E-14
COPD in never smokers	CTSW	cg03887787	rs633727	G	A	-0.150	0.023	0.487	1.38E-10	0.013	0.016	0.440	0.011	41.173	TRUE	6.20E-10
COPD in never smokers	CTSW	cg03887787	rs654638	G	A	-0.349	0.029	0.211	2.83E-34	0.009	0.020	0.644	0.039	148.944	TRUE	1.59E-32
COPD in never smokers	CTSW	cg03887787	rs67924081	G	A	0.265	0.026	0.266	4.17E-24	0.018	0.019	0.341	0.027	102.513	TRUE	1.41E-22
COPD in never smokers	CTSW	cg03887787	rs71457704	A	G	-0.292	0.053	0.054	2.97E-08	0.050	0.040	0.208	0.008	30.707	TRUE	1.56E-07
COPD in never smokers	CTSW	cg03887787	rs76584642	G	T	-0.299	0.044	0.079	1.12E-11	-0.012	0.029	0.693	0.012	46.080	TRUE	3.78E-11
COPD in never smokers	CTSW	cg03887787	rs77779142	T	C	1.101	0.028	0.158	<1E-200	-0.049	0.022	0.027	0.300	1587.170	TRUE	3.33E-292
COPD in never smokers	CTSW	cg03887787	rs78780936	G	A	-0.271	0.045	0.075	1.93E-09	0.027	0.030	0.378	0.010	36.025	TRUE	8.39E-09
COPD in never smokers	CTSW	cg08416661	rs10791865	A	C	0.175	0.023	0.445	8.17E-14	-0.023	0.017	0.176	0.015	55.733	TRUE	1.11E-12
COPD in never smokers	CTSW	cg08416661	rs113018139	T	C	0.610	0.106	0.011	8.80E-09	0.035	0.081	0.667	0.009	33.073	TRUE	2.28E-08
COPD in never smokers	CTSW	cg08416661	rs117542775	T	C	0.367	0.064	0.031	8.98E-09	0.034	0.043	0.435	0.009	33.033	TRUE	3.25E-08
COPD in never smokers	CTSW	cg08416661	rs12576802	T	G	-0.173	0.023	0.488	1.54E-13	0.024	0.016	0.146	0.015	54.490	TRUE	2.27E-12
COPD in never smokers	CTSW	cg08416661	rs141055352	T	G	0.416	0.074	0.053	1.73E-08	-0.026	0.037	0.478	0.009	31.755	TRUE	5.66E-08
COPD in never smokers	CTSW	cg08416661	rs2276133	A	G	-0.153	0.027	0.244	2.67E-08	-0.014	0.019	0.469	0.008	30.918	TRUE	8.63E-08
COPD in never smokers	CTSW	cg08416661	rs596002	A	G	0.600	0.029	0.198	2.82E-98	-0.044	0.021	0.034	0.107	442.446	TRUE	6.75E-89
COPD in never smokers	CTSW	cg08416661	rs76812270	A	G	0.480	0.058	0.039	8.06E-17	-0.030	0.044	0.498	0.018	69.358	TRUE	6.92E-16
COPD in never smokers	CTSW	cg08416661	rs7941126	A	G	0.192	0.023	0.486	1.52E-16	0.003	0.017	0.868	0.018	68.101	TRUE	6.31E-16
COPD in never smokers	CTSW	cg08416661	rs7952056	T	C	-0.145	0.025	0.342	3.39E-09	-0.004	0.017	0.798	0.009	34.925	TRUE	7.72E-09
COPD in never smokers	CTSW	cg08416661	rs79783977	G	A	0.699	0.092	0.017	3.92E-14	0.004	0.059	0.943	0.015	57.179	TRUE	1.14E-13
COPD in never smokers	CTSW	cg18410078	rs10896045	A	G	0.338	0.026	0.285	9.38E-39	-0.040	0.018	0.028	0.044	169.437	TRUE	3.75E-35
COPD in never smokers	CTSW	cg18410078	rs113018139	T	C	0.705	0.107	0.011	3.72E-11	0.035	0.081	0.667	0.012	43.731	TRUE	1.24E-10
COPD in never smokers	CTSW	cg18410078	rs117542775	T	C	0.553	0.064	0.031	5.05E-18	0.034	0.043	0.435	0.020	74.822	TRUE	5.82E-17
COPD in never smokers	CTSW	cg18410078	rs117827012	T	C	-0.289	0.043	0.080	1.54E-11	-0.017	0.029	0.563	0.012	45.461	TRUE	6.28E-11
COPD in never smokers	CTSW	cg18410078	rs141055352	T	G	0.607	0.074	0.053	2.05E-16	-0.026	0.037	0.478	0.018	67.522	TRUE	1.75E-15
COPD in never smokers	CTSW	cg18410078	rs143671198	T	G	-0.658	0.064	0.035	9.43E-25	-0.045	0.046	0.329	0.028	105.456	TRUE	3.64E-23
COPD in never smokers	CTSW	cg18410078	rs148082853	A	G	0.660	0.110	0.010	1.78E-09	-0.138	0.079	0.082	0.010	36.180	TRUE	1.80E-08
COPD in never smokers	CTSW	cg18410078	rs183362235	C	T	0.324	0.044	0.080	2.31E-13	-0.006	0.031	0.846	0.014	53.696	TRUE	7.27E-13
COPD in never smokers	CTSW	cg18410078	rs185030002	A	G	0.587	0.048	0.058	1.87E-34	-0.005	0.034	0.876	0.039	149.768	TRUE	5.84E-33

COPD in never smokers	CTSW	cg18410078	rs185542523	T	C	1.105	0.097	0.016	5.94E-30	0.028	0.055	0.607	0.034	129.192	TRUE	2.06E-28
COPD in never smokers	CTSW	cg18410078	rs2276133	A	G	-0.185	0.028	0.244	2.11E-11	-0.014	0.019	0.469	0.012	44.839	TRUE	9.97E-11
COPD in never smokers	CTSW	cg18410078	rs2845570	G	T	-0.147	0.023	0.444	3.59E-10	0.028	0.017	0.086	0.011	39.303	TRUE	4.03E-09
COPD in never smokers	CTSW	cg18410078	rs4930354	C	T	-0.165	0.023	0.471	1.92E-12	-0.012	0.017	0.479	0.013	49.533	TRUE	1.01E-11
COPD in never smokers	CTSW	cg18410078	rs56038054	T	C	0.344	0.027	0.235	5.90E-36	-0.041	0.020	0.036	0.041	156.634	TRUE	1.15E-32
COPD in never smokers	CTSW	cg18410078	rs608504	T	C	0.279	0.051	0.060	4.62E-08	-0.037	0.036	0.307	0.008	29.853	TRUE	1.90E-07
COPD in never smokers	CTSW	cg18410078	rs633727	G	A	-0.146	0.023	0.487	4.17E-10	0.013	0.016	0.440	0.010	39.011	TRUE	1.77E-09
COPD in never smokers	CTSW	cg18410078	rs654638	G	A	-0.229	0.029	0.211	1.62E-15	0.009	0.020	0.644	0.017	63.441	TRUE	8.98E-15
COPD in never smokers	CTSW	cg18410078	rs77779142	T	C	1.119	0.027	0.158	<1E-200	-0.049	0.022	0.027	0.312	1680.983	TRUE	1.57E-307
COPD in never smokers	CTSW	cg18410078	rs7941126	A	G	0.265	0.023	0.486	4.37E-30	0.003	0.017	0.868	0.034	129.803	TRUE	8.06E-29
COPD in never smokers	CTSW	cg18410078	rs7952056	T	C	-0.307	0.024	0.342	4.77E-36	-0.004	0.017	0.798	0.041	157.055	TRUE	2.24E-34
COPD in never smokers	CTSW	cg19792802	rs10896045	A	G	0.166	0.026	0.285	1.09E-10	-0.040	0.018	0.028	0.011	41.628	TRUE	2.19E-09
COPD in never smokers	CTSW	cg19792802	rs12225345	G	A	0.494	0.031	0.160	4.16E-58	-0.042	0.022	0.060	0.065	258.098	TRUE	3.75E-53
COPD in never smokers	CTSW	cg19792802	rs12790095	G	T	0.154	0.025	0.315	4.38E-10	0.011	0.018	0.529	0.010	38.913	TRUE	1.60E-09
COPD in never smokers	CTSW	cg19792802	rs141055352	T	G	0.410	0.072	0.053	1.61E-08	-0.026	0.037	0.478	0.009	31.900	TRUE	5.27E-08
COPD in never smokers	CTSW	cg19792802	rs55931871	C	T	0.169	0.026	0.285	4.93E-11	-0.034	0.019	0.070	0.012	43.183	TRUE	7.12E-10
COPD in never smokers	CTSW	cg19792802	rs7113428	A	G	-0.160	0.024	0.341	5.18E-11	-0.005	0.017	0.754	0.012	43.086	TRUE	1.49E-10
COPD in never smokers	CTSW	cg19792802	rs9326360	A	G	0.544	0.100	0.016	4.69E-08	0.060	0.074	0.420	0.008	29.826	TRUE	1.59E-07
COPD in never smokers	CTSW	cg23483894	rs10791830	T	C	0.461	0.029	0.196	2.66E-57	-0.046	0.021	0.027	0.064	254.404	TRUE	4.82E-52
COPD in never smokers	CTSW	cg23483894	rs12576996	G	T	-0.163	0.027	0.254	1.60E-09	0.032	0.019	0.089	0.010	36.392	TRUE	1.57E-08
COPD in never smokers	CTSW	cg23483894	rs185030002	A	G	0.289	0.048	0.058	1.74E-09	-0.005	0.034	0.876	0.010	36.228	TRUE	3.68E-09
COPD in never smokers	CTSW	cg23483894	rs61893865	A	G	0.469	0.065	0.036	3.80E-13	-0.036	0.046	0.430	0.014	52.717	TRUE	2.40E-12
COPD in never smokers	CTSW	cg23483894	rs654638	G	A	-0.158	0.029	0.211	3.57E-08	0.009	0.020	0.644	0.008	30.352	TRUE	8.95E-08
COPD in never smokers	CTSW	cg25470561	rs11227335	A	C	0.514	0.064	0.036	1.08E-15	-0.045	0.046	0.321	0.017	64.246	TRUE	1.22E-14
COPD in never smokers	CTSW	cg25470561	rs12576996	G	T	-0.158	0.027	0.254	5.24E-09	0.032	0.019	0.089	0.009	34.081	TRUE	4.70E-08
COPD in never smokers	CTSW	cg25470561	rs687672	T	C	0.511	0.029	0.197	2.10E-70	-0.043	0.021	0.037	0.078	314.500	TRUE	4.76E-64
COPD in never smokers	CTSW	cg25470561	rs76812270	A	G	0.340	0.058	0.039	3.82E-09	-0.030	0.044	0.498	0.009	34.692	TRUE	1.31E-08
COPD in never smokers	CTSW	cg25470561	rs79783977	G	A	0.513	0.093	0.017	3.08E-08	0.004	0.059	0.943	0.008	30.643	TRUE	5.39E-08
COPD in never smokers	CTSZ	cg00539174	rs12479678	T	C	0.152	0.026	0.302	3.24E-09	-0.048	0.018	0.008	0.009	35.015	TRUE	7.30E-08
COPD in never smokers	CTSZ	cg00539174	rs151335	A	G	0.328	0.028	0.205	1.21E-30	-0.008	0.020	0.710	0.035	132.354	TRUE	3.51E-29
COPD in never smokers	CTSZ	cg00539174	rs151353	C	A	-0.164	0.024	0.489	5.54E-12	0.023	0.016	0.158	0.013	47.459	TRUE	6.09E-11
COPD in never smokers	CTSZ	cg03451557	rs163787	A	G	0.236	0.029	0.190	5.11E-16	-0.001	0.021	0.953	0.017	65.719	TRUE	1.74E-15
COPD in never smokers	CTSZ	cg04917472	rs151336	T	G	0.295	0.024	0.340	1.03E-33	0.007	0.017	0.677	0.038	146.390	TRUE	4.88E-32
COPD in never smokers	CTSZ	cg04917472	rs16982225	C	T	0.259	0.043	0.076	1.69E-09	-0.029	0.031	0.350	0.010	36.280	TRUE	7.81E-09
COPD in never smokers	CTSZ	cg04917472	rs16984980	A	C	-0.251	0.037	0.114	1.70E-11	0.031	0.026	0.227	0.012	45.263	TRUE	1.39E-10
COPD in never smokers	CTSZ	cg04917472	rs235200	A	G	0.247	0.024	0.376	1.07E-24	0.002	0.017	0.928	0.028	105.198	TRUE	9.27E-24
COPD in never smokers	CTSZ	cg04917472	rs76801208	T	C	0.655	0.098	0.029	2.85E-11	-0.009	0.053	0.867	0.012	44.251	TRUE	7.17E-11
COPD in never smokers	CTSZ	cg04917472	rs8183748	G	A	-0.379	0.055	0.126	6.17E-12	0.021	0.024	0.387	0.013	47.251	TRUE	3.64E-11
COPD in never smokers	CTSZ	cg06125903	rs118010137	T	C	0.548	0.085	0.020	1.05E-10	-0.028	0.056	0.623	0.011	41.701	TRUE	3.56E-10
COPD in never smokers	CTSZ	cg06125903	rs151336	T	G	0.304	0.024	0.340	7.41E-36	0.007	0.017	0.677	0.041	156.181	TRUE	4.72E-34
COPD in never smokers	CTSZ	cg06125903	rs16984980	A	C	-0.253	0.037	0.114	1.29E-11	0.031	0.026	0.227	0.012	45.805	TRUE	1.07E-10
COPD in never smokers	CTSZ	cg06125903	rs235200	A	G	0.243	0.024	0.376	4.94E-24	0.002	0.017	0.928	0.027	102.178	TRUE	3.97E-23

COPD in never smokers	CTSZ	cg06125903	rs8183748	G	A	-0.379	0.055	0.126	6.82E-12	0.021	0.024	0.387	0.013	47.052	TRUE	4.01E-11
COPD in never smokers	CTSZ	cg06385087	rs151335	A	G	-0.338	0.028	0.205	1.10E-32	-0.008	0.020	0.710	0.037	141.676	TRUE	4.18E-31
COPD in never smokers	CTSZ	cg06385087	rs2145477	T	C	-0.149	0.027	0.244	4.49E-08	-0.033	0.019	0.085	0.008	29.909	TRUE	3.44E-07
COPD in never smokers	CTSZ	cg06385087	rs6064731	G	A	-0.182	0.026	0.302	1.17E-12	-0.047	0.018	0.010	0.013	50.506	TRUE	5.44E-11
COPD in never smokers	CTSZ	cg07464217	rs12479678	T	C	0.141	0.026	0.302	4.43E-08	-0.048	0.018	0.008	0.008	29.934	TRUE	7.59E-07
COPD in never smokers	CTSZ	cg07464217	rs151335	A	G	0.303	0.029	0.205	2.01E-26	-0.008	0.020	0.710	0.030	113.078	TRUE	3.44E-25
COPD in never smokers	CTSZ	cg07464217	rs76801208	T	C	0.548	0.098	0.029	2.42E-08	-0.009	0.053	0.867	0.008	31.108	TRUE	4.68E-08
COPD in never smokers	CTSZ	cg08545593	rs118010137	T	C	0.520	0.085	0.020	8.30E-10	-0.028	0.056	0.623	0.010	37.667	TRUE	2.55E-09
COPD in never smokers	CTSZ	cg08545593	rs151335	A	G	0.182	0.029	0.205	2.07E-10	-0.008	0.020	0.710	0.011	40.379	TRUE	5.97E-10
COPD in never smokers	CTSZ	cg13795831	rs118010137	T	C	0.510	0.085	0.020	1.74E-09	-0.028	0.056	0.623	0.010	36.225	TRUE	5.16E-09
COPD in never smokers	CTSZ	cg13795831	rs184673	A	G	0.191	0.030	0.188	2.05E-10	-0.002	0.021	0.912	0.011	40.396	TRUE	4.48E-10
COPD in never smokers	CTSZ	cg18563860	rs151336	T	G	0.254	0.024	0.340	2.34E-25	0.007	0.017	0.677	0.028	108.212	TRUE	3.80E-24
COPD in never smokers	CTSZ	cg18563860	rs235200	A	G	0.209	0.024	0.376	3.53E-18	0.002	0.017	0.928	0.020	75.525	TRUE	1.55E-17
COPD in never smokers	CTSZ	cg18563860	rs8183748	G	A	-0.385	0.055	0.126	2.87E-12	0.021	0.024	0.387	0.013	48.746	TRUE	1.77E-11
COPD in never smokers	CTSZ	cg23679724	rs259958	C	A	0.311	0.023	0.463	5.22E-40	0.021	0.017	0.199	0.045	175.177	TRUE	3.87E-37
COPD in never smokers	CTSZ	cg23907860	rs151336	T	G	0.173	0.024	0.340	1.79E-12	0.007	0.017	0.677	0.013	49.676	TRUE	6.72E-12
COPD in never smokers	CUL4A	cg07827107	rs9549698	G	A	-0.154	0.027	0.262	9.27E-09	0.018	0.019	0.326	0.009	32.972	TRUE	4.05E-08
COPD in never smokers	CUL4A	cg10012867	rs3861723	G	A	0.246	0.027	0.248	9.89E-20	0.017	0.019	0.362	0.022	82.585	TRUE	1.72E-18
COPD in never smokers	CUL4A	cg10914120	rs9549361	C	T	0.236	0.028	0.239	1.07E-17	0.019	0.020	0.326	0.019	73.347	TRUE	1.56E-16
COPD in never smokers	CUL4A	cg11232054	rs56129102	T	C	-0.225	0.026	0.278	4.61E-18	0.035	0.018	0.058	0.020	75.001	TRUE	2.54E-16
COPD in never smokers	CUL4A	cg14896830	rs35306827	A	G	0.200	0.028	0.240	4.98E-13	0.016	0.020	0.410	0.014	52.186	TRUE	3.22E-12
COPD in never smokers	CUL4A	cg17689702	rs3764125	A	G	0.246	0.028	0.241	5.11E-19	0.019	0.020	0.339	0.021	79.344	TRUE	8.64E-18
COPD in never smokers	CX3CR1	cg00262061	rs4996738	G	T	0.179	0.025	0.331	9.57E-13	0.012	0.018	0.514	0.014	50.903	TRUE	4.89E-12
COPD in never smokers	CX3CR1	cg00262061	rs56236279	G	A	-0.384	0.065	0.044	2.72E-09	-0.009	0.037	0.807	0.009	35.355	TRUE	6.18E-09
COPD in never smokers	CX3CR1	cg00262061	rs73060520	C	T	0.266	0.041	0.089	8.78E-11	0.046	0.028	0.105	0.011	42.054	TRUE	9.92E-10
COPD in never smokers	CX3CR1	cg00262061	rs73071876	G	A	0.169	0.030	0.192	1.82E-08	-0.032	0.021	0.120	0.008	31.665	TRUE	1.29E-07
COPD in never smokers	CX3CR1	cg00262061	rs9833185	T	C	-0.256	0.036	0.113	7.43E-13	0.027	0.025	0.288	0.014	51.399	TRUE	6.22E-12
COPD in never smokers	CX3CR1	cg00262061	rs9840965	A	C	-0.206	0.031	0.168	3.59E-11	0.009	0.022	0.683	0.012	43.804	TRUE	1.16E-10
COPD in never smokers	CX3CR1	cg03341377	rs1317871	C	A	-0.147	0.027	0.266	2.79E-08	0.014	0.019	0.469	0.008	30.833	TRUE	9.00E-08
COPD in never smokers	CX3CR1	cg03341377	rs17793056	C	T	0.302	0.023	0.484	2.42E-38	0.018	0.016	0.279	0.043	167.557	TRUE	8.89E-36
COPD in never smokers	CX3CR1	cg03341377	rs561543	A	G	0.174	0.030	0.178	1.09E-08	0.020	0.021	0.346	0.009	32.665	TRUE	4.53E-08
COPD in never smokers	CX3CR1	cg03341377	rs56236279	G	A	0.358	0.065	0.044	2.98E-08	-0.009	0.037	0.807	0.008	30.706	TRUE	6.14E-08
COPD in never smokers	CX3CR1	cg03341377	rs7640507	T	G	0.184	0.033	0.162	1.53E-08	0.004	0.023	0.849	0.009	32.001	TRUE	3.07E-08
COPD in never smokers	CX3CR1	cg04569233	rs13062158	C	T	-0.518	0.025	0.285	2.40E-93	-0.017	0.018	0.358	0.102	419.804	TRUE	3.07E-86
COPD in never smokers	CX3CR1	cg04569233	rs17038748	G	T	0.186	0.028	0.227	1.45E-11	0.014	0.019	0.449	0.012	45.572	TRUE	7.26E-11
COPD in never smokers	CX3CR1	cg04569233	rs1768149	C	T	0.198	0.029	0.206	7.71E-12	0.013	0.020	0.533	0.012	46.814	TRUE	3.42E-11
COPD in never smokers	CX3CR1	cg04569233	rs192343698	T	C	-0.691	0.106	0.022	7.67E-11	0.090	0.053	0.092	0.011	42.318	TRUE	9.37E-10
COPD in never smokers	CX3CR1	cg04569233	rs67144715	A	G	-0.412	0.066	0.031	5.81E-10	-0.132	0.047	0.005	0.010	38.362	TRUE	1.83E-08
COPD in never smokers	CX3CR1	cg04569233	rs73060520	C	T	-0.290	0.041	0.089	2.16E-12	0.046	0.028	0.105	0.013	49.310	TRUE	3.20E-11
COPD in never smokers	CX3CR1	cg04569233	rs938207	A	G	0.163	0.026	0.308	2.40E-10	0.019	0.018	0.288	0.011	40.092	TRUE	1.42E-09
COPD in never smokers	CX3CR1	cg04569233	rs9813187	A	G	0.300	0.029	0.191	2.16E-25	0.014	0.020	0.494	0.028	108.379	TRUE	5.55E-24
COPD in never smokers	CX3CR1	cg05046858	rs13088991	C	T	0.183	0.023	0.497	4.72E-15	-0.006	0.017	0.735	0.016	61.339	TRUE	2.11E-14

COPD in never smokers	CX3CR1	cg05046858	rs938203	A	G	-0.348	0.037	0.117	2.62E-21	0.053	0.025	0.035	0.024	89.760	TRUE	3.52E-19
COPD in never smokers	CX3CR1	cg05046858	rs9813187	A	G	0.277	0.029	0.191	6.73E-22	0.014	0.020	0.494	0.024	92.450	TRUE	1.10E-20
COPD in never smokers	CX3CR1	cg18565762	rs111231532	T	C	0.387	0.049	0.054	1.94E-15	-0.014	0.031	0.642	0.017	63.095	TRUE	1.07E-14
COPD in never smokers	CX3CR1	cg18565762	rs11718582	A	G	-0.283	0.025	0.326	7.74E-30	0.015	0.018	0.401	0.034	128.667	TRUE	4.84E-28
COPD in never smokers	CX3CR1	cg18565762	rs13062158	C	T	-1.054	0.020	0.285	<1E-200	-0.017	0.018	0.358	0.432	2809.310	TRUE	<1E-200
COPD in never smokers	CX3CR1	cg18565762	rs140374643	A	G	-0.717	0.086	0.021	5.35E-17	-0.067	0.060	0.269	0.019	70.166	TRUE	8.43E-16
COPD in never smokers	CX3CR1	cg18565762	rs1768149	C	T	0.285	0.029	0.206	5.39E-23	0.013	0.020	0.533	0.026	97.444	TRUE	9.20E-22
COPD in never smokers	CX3CR1	cg18565762	rs2649759	T	C	0.355	0.024	0.439	1.28E-50	0.029	0.017	0.078	0.057	223.776	TRUE	1.94E-46
COPD in never smokers	CX3CR1	cg18565762	rs2669843	G	A	0.584	0.035	0.135	2.91E-64	0.035	0.024	0.150	0.072	286.327	TRUE	2.93E-59
COPD in never smokers	CX3CR1	cg18565762	rs3732378	A	G	0.271	0.031	0.167	2.70E-18	0.022	0.022	0.317	0.020	76.057	TRUE	4.41E-17
COPD in never smokers	CX3CR1	cg18565762	rs3938106	A	G	-0.378	0.037	0.112	1.03E-24	-0.036	0.025	0.159	0.028	105.271	TRUE	8.16E-23
COPD in never smokers	CX3CR1	cg18565762	rs4407352	A	G	0.169	0.025	0.354	9.89E-12	0.021	0.017	0.236	0.012	46.326	TRUE	8.12E-11
COPD in never smokers	CX3CR1	cg18565762	rs562545	A	G	-0.131	0.024	0.392	3.76E-08	-0.019	0.017	0.265	0.008	30.253	TRUE	1.70E-07
COPD in never smokers	CX3CR1	cg18565762	rs67144715	A	G	-0.707	0.066	0.031	1.42E-26	-0.132	0.047	0.005	0.030	113.767	TRUE	1.62E-23
COPD in never smokers	CX3CR1	cg18565762	rs73058523	T	C	0.276	0.036	0.113	1.17E-14	0.027	0.025	0.287	0.016	59.561	TRUE	1.26E-13
COPD in never smokers	CX3CR1	cg18565762	rs73060520	C	T	-0.251	0.041	0.089	1.31E-09	0.046	0.028	0.105	0.010	36.785	TRUE	1.21E-08
COPD in never smokers	CX3CR1	cg18565762	rs73070244	A	G	-0.604	0.083	0.022	4.06E-13	0.041	0.052	0.431	0.014	52.584	TRUE	2.55E-12
COPD in never smokers	CX3CR1	cg18565762	rs9813187	A	G	0.409	0.029	0.191	3.60E-46	0.014	0.020	0.494	0.052	203.389	TRUE	1.94E-43
COPD in never smokers	CX3CR1	cg19806398	rs13082658	G	A	0.213	0.026	0.316	5.82E-17	-0.050	0.018	0.006	0.019	70.001	TRUE	8.48E-15
COPD in never smokers	CX3CR1	cg19806398	rs1398712	C	T	-0.175	0.024	0.448	1.51E-13	-0.004	0.016	0.791	0.015	54.522	TRUE	5.29E-13
COPD in never smokers	CX3CR1	cg19806398	rs73058523	T	C	-0.304	0.036	0.113	1.43E-17	0.027	0.025	0.287	0.019	72.766	TRUE	2.31E-16
COPD in never smokers	CX3CR1	cg21031692	rs13067055	A	G	-0.145	0.025	0.347	8.76E-09	-0.008	0.018	0.651	0.009	33.080	TRUE	2.32E-08
COPD in never smokers	CX3CR1	cg21031692	rs17038640	C	T	-0.292	0.025	0.320	4.63E-31	0.005	0.018	0.760	0.035	134.255	TRUE	1.25E-29
COPD in never smokers	CX3CR1	cg21031692	rs2853700	G	A	0.502	0.077	0.047	7.50E-11	0.035	0.040	0.383	0.011	42.361	TRUE	3.88E-10
COPD in never smokers	CX3CR1	cg21031692	rs3020452	T	C	0.354	0.024	0.346	1.15E-48	0.022	0.017	0.196	0.055	214.814	TRUE	3.96E-45
COPD in never smokers	CX3CR1	cg21031692	rs3938106	A	G	-0.237	0.037	0.112	1.38E-10	-0.036	0.025	0.159	0.011	41.163	TRUE	1.22E-09
COPD in never smokers	CX3CR1	cg21031692	rs4311160	G	A	0.360	0.031	0.166	9.37E-32	-0.016	0.022	0.449	0.036	137.427	TRUE	6.59E-30
COPD in never smokers	CX3CR1	cg21031692	rs4676612	G	A	0.170	0.028	0.229	1.70E-09	-0.043	0.020	0.030	0.010	36.266	TRUE	2.62E-08
COPD in never smokers	CX3CR1	cg21031692	rs4676625	A	G	0.551	0.023	0.362	3.85E-124	0.018	0.017	0.296	0.132	561.253	TRUE	2.32E-113
COPD in never smokers	CX3CR1	cg21031692	rs67144715	A	G	-0.413	0.067	0.031	5.49E-10	-0.132	0.047	0.005	0.010	38.473	TRUE	1.74E-08
COPD in never smokers	CX3CR1	cg21031692	rs73060520	C	T	-0.329	0.041	0.089	1.50E-15	0.046	0.028	0.105	0.017	63.602	TRUE	3.75E-14
COPD in never smokers	CX3CR1	cg21031692	rs77533202	C	T	0.540	0.073	0.031	1.30E-13	0.018	0.046	0.692	0.015	54.820	TRUE	5.39E-13
COPD in never smokers	CX3CR1	cg21031692	rs9859684	A	G	0.248	0.024	0.398	2.89E-24	0.018	0.017	0.294	0.027	103.237	TRUE	1.17E-22
COPD in never smokers	CX3CR1	cg24130739	rs9861437	G	A	0.235	0.035	0.143	9.97E-12	0.025	0.024	0.299	0.012	46.310	TRUE	6.94E-11
COPD in never smokers	CX3CR1	cg24310395	rs11709600	A	G	0.213	0.026	0.284	3.53E-16	0.024	0.018	0.183	0.018	66.447	TRUE	6.68E-15
COPD in never smokers	CX3CR1	cg25784617	rs1398712	C	T	-0.144	0.024	0.448	1.25E-09	-0.004	0.016	0.791	0.010	36.876	TRUE	2.98E-09
COPD in never smokers	CX3CR1	cg25784617	rs77402742	A	G	-0.290	0.052	0.054	1.86E-08	-0.033	0.036	0.363	0.008	31.619	TRUE	7.29E-08
COPD in never smokers	CX3CR1	cg26162331	rs1317871	C	A	0.178	0.027	0.266	2.63E-11	0.014	0.019	0.469	0.012	44.409	TRUE	1.23E-10
COPD in never smokers	CX3CR1	cg26162331	rs4256069	T	G	0.207	0.024	0.421	5.97E-18	-0.007	0.017	0.669	0.020	74.492	TRUE	4.13E-17
COPD in never smokers	CX3CR1	cg26162331	rs55695898	T	C	-1.409	0.139	0.012	4.51E-24	-0.024	0.078	0.754	0.027	102.356	TRUE	5.27E-23
COPD in never smokers	CX3CR1	cg26162331	rs71329576	C	T	0.137	0.024	0.377	2.01E-08	-0.001	0.017	0.965	0.008	31.463	TRUE	3.49E-08
COPD in never smokers	CX3CR1	cg26162331	rs73060520	C	T	0.232	0.041	0.089	2.08E-08	0.046	0.028	0.105	0.008	31.398	TRUE	1.56E-07

COPD in never smokers	CX3CR1	cg26162331	rs73071855	A	G	0.315	0.057	0.043	4.17E-08	0.015	0.039	0.693	0.008	30.053	TRUE	9.75E-08
COPD in never smokers	CX3CR1	cg26162331	rs75486731	A	G	-0.454	0.069	0.027	3.42E-11	0.008	0.048	0.872	0.012	43.896	TRUE	8.47E-11
COPD in never smokers	CX3CR1	cg26162331	rs7615733	G	A	-0.510	0.025	0.275	1.12E-89	-0.019	0.018	0.288	0.098	402.960	TRUE	9.59E-83
COPD in never smokers	CX3CR1	cg26162331	rs9826865	G	A	-0.324	0.035	0.120	1.38E-20	0.022	0.025	0.372	0.023	86.482	TRUE	2.61E-19
COPD in never smokers	CYP1B1	cg00565882	rs10171638	A	G	0.503	0.033	0.146	2.56E-52	-0.056	0.024	0.018	0.059	231.561	TRUE	2.29E-47
COPD in never smokers	CYP1B1	cg00565882	rs76137941	A	G	0.466	0.076	0.029	9.06E-10	-0.119	0.049	0.015	0.010	37.496	TRUE	1.91E-08
COPD in never smokers	CYP1B1	cg02162897	rs10178134	A	G	0.350	0.027	0.279	9.76E-40	-0.042	0.019	0.025	0.045	173.933	TRUE	5.16E-36
COPD in never smokers	CYP1B1	cg02162897	rs10185948	C	T	0.240	0.039	0.108	1.04E-09	-0.012	0.027	0.647	0.010	37.237	TRUE	3.04E-09
COPD in never smokers	CYP1B1	cg02162897	rs1374192	C	A	0.138	0.023	0.428	2.83E-09	0.011	0.017	0.503	0.009	35.278	TRUE	9.77E-09
COPD in never smokers	CYP1B1	cg02162897	rs142450355	A	G	-0.457	0.080	0.024	1.17E-08	-0.057	0.059	0.334	0.009	32.516	TRUE	4.98E-08
COPD in never smokers	CYP1B1	cg05062676	rs35505978	A	G	0.142	0.025	0.305	1.35E-08	0.028	0.018	0.114	0.009	32.247	TRUE	9.99E-08
COPD in never smokers	CYP1B1	cg06264984	rs2113389	T	C	0.451	0.034	0.139	2.83E-40	-0.063	0.024	0.010	0.046	176.393	TRUE	3.50E-36
COPD in never smokers	CYP1B1	cg06264984	rs4670808	G	A	0.186	0.024	0.392	2.98E-15	0.010	0.017	0.543	0.017	62.245	TRUE	1.94E-14
COPD in never smokers	CYP1B1	cg07057636	rs4646429	T	C	-0.154	0.026	0.278	6.09E-09	-0.042	0.019	0.024	0.009	33.788	TRUE	9.07E-08
COPD in never smokers	CYP1B1	cg07380506	rs1056827	A	C	1.024	0.021	0.283	<1E-200	-0.042	0.019	0.023	0.386	2328.935	TRUE	<1E-200
COPD in never smokers	CYP1B1	cg07380506	rs113750413	G	A	0.656	0.060	0.040	3.45E-28	-0.072	0.042	0.090	0.032	121.139	TRUE	7.79E-26
COPD in never smokers	CYP1B1	cg07380506	rs17021846	G	A	0.284	0.048	0.061	2.37E-09	-0.011	0.034	0.753	0.010	35.627	TRUE	5.80E-09
COPD in never smokers	CYP1B1	cg07380506	rs181290031	A	G	0.737	0.068	0.028	2.19E-27	0.055	0.043	0.201	0.031	117.476	TRUE	2.09E-25
COPD in never smokers	CYP1B1	cg07380506	rs2194381	C	T	-0.195	0.034	0.139	1.10E-08	0.037	0.024	0.122	0.009	32.643	TRUE	8.03E-08
COPD in never smokers	CYP1B1	cg07380506	rs232549	A	G	-0.293	0.030	0.190	1.36E-22	-0.013	0.021	0.530	0.025	95.621	TRUE	2.21E-21
COPD in never smokers	CYP1B1	cg07380506	rs232573	G	A	-0.148	0.023	0.499	2.78E-10	-0.003	0.016	0.845	0.011	39.803	TRUE	6.58E-10
COPD in never smokers	CYP1B1	cg07380506	rs4670810	A	G	0.375	0.023	0.449	3.15E-60	-0.002	0.017	0.923	0.068	267.820	TRUE	3.99E-57
COPD in never smokers	CYP1B1	cg07380506	rs4670858	C	T	0.195	0.024	0.387	7.17E-16	0.004	0.017	0.835	0.017	65.052	TRUE	2.94E-15
COPD in never smokers	CYP1B1	cg11656478	rs149502411	T	C	-0.325	0.057	0.045	1.21E-08	-0.069	0.041	0.093	0.009	32.461	TRUE	9.89E-08
COPD in never smokers	CYP1B1	cg11656478	rs2707244	A	C	-0.131	0.023	0.474	2.10E-08	-0.019	0.017	0.265	0.008	31.381	TRUE	9.88E-08
COPD in never smokers	CYP1B1	cg11656478	rs62136337	G	A	0.270	0.023	0.465	2.24E-31	-0.001	0.017	0.944	0.035	135.696	TRUE	4.03E-30
COPD in never smokers	CYP1B1	cg11751707	rs2567207	G	A	-0.186	0.026	0.280	1.67E-12	-0.041	0.019	0.027	0.013	49.808	TRUE	4.90E-11
COPD in never smokers	CYP1B1	cg12802310	rs1056827	A	C	-0.165	0.027	0.283	4.90E-10	-0.042	0.019	0.023	0.010	38.695	TRUE	9.38E-09
COPD in never smokers	CYP1B1	cg12802310	rs151256	G	A	0.368	0.027	0.246	8.40E-43	-0.008	0.019	0.682	0.048	187.966	TRUE	1.43E-40
COPD in never smokers	CYP1B1	cg12802310	rs336046	G	T	-0.143	0.023	0.446	8.26E-10	0.027	0.017	0.112	0.010	37.678	TRUE	7.64E-09
COPD in never smokers	CYP1B1	cg20408276	rs10171638	A	G	0.553	0.033	0.146	2.65E-63	-0.056	0.024	0.018	0.071	281.923	TRUE	2.58E-57
COPD in never smokers	CYP1B1	cg20408276	rs150999507	T	C	-0.465	0.080	0.024	6.20E-09	-0.061	0.058	0.291	0.009	33.751	TRUE	2.98E-08
COPD in never smokers	CYP1B1	cg20408276	rs7606492	T	C	0.168	0.027	0.257	7.15E-10	-0.027	0.020	0.172	0.010	37.958	TRUE	5.36E-09
COPD in never smokers	CYP1B1	cg20408276	rs76137941	A	G	0.598	0.076	0.029	3.30E-15	-0.119	0.049	0.015	0.016	62.045	TRUE	2.18E-13
COPD in never smokers	DAB2IP	cg01305539	rs10117555	G	A	-0.252	0.034	0.135	8.23E-14	-0.024	0.024	0.309	0.015	55.719	TRUE	7.46E-13
COPD in never smokers	DAB2IP	cg03225208	rs10985344	A	G	0.219	0.026	0.257	4.40E-17	-0.010	0.019	0.591	0.019	70.549	TRUE	3.22E-16
COPD in never smokers	DAB2IP	cg04661709	rs10985196	A	C	0.160	0.029	0.206	2.63E-08	0.019	0.020	0.347	0.008	30.944	TRUE	1.04E-07
COPD in never smokers	DAB2IP	cg04661709	rs10985287	A	G	-0.257	0.025	0.288	3.15E-24	-0.001	0.018	0.975	0.027	103.070	TRUE	2.34E-23
COPD in never smokers	DAB2IP	cg04661709	rs58802731	A	C	0.375	0.032	0.159	7.36E-31	0.007	0.023	0.752	0.035	133.336	TRUE	1.98E-29
COPD in never smokers	DAB2IP	cg04661709	rs7468120	A	G	-0.145	0.026	0.278	3.55E-08	0.000	0.019	0.993	0.008	30.367	TRUE	5.83E-08
COPD in never smokers	DAB2IP	cg08980461	rs10818576	G	T	-0.267	0.027	0.243	4.99E-23	-0.011	0.019	0.560	0.026	97.598	TRUE	8.01E-22
COPD in never smokers	DAB2IP	cg10394788	rs10985290	A	G	-0.299	0.042	0.079	1.67E-12	0.008	0.028	0.770	0.013	49.807	TRUE	5.45E-12

COPD in never smokers	DAB2IP	cg10394788	rs2777319	T	C	-0.463	0.024	0.390	3.34E-85	-0.007	0.017	0.682	0.094	382.415	TRUE	1.31E-79
COPD in never smokers	DAB2IP	cg10394788	rs514823	T	C	0.199	0.028	0.221	9.42E-13	0.015	0.020	0.429	0.014	50.933	TRUE	5.67E-12
COPD in never smokers	DAB2IP	cg10394788	rs72758110	T	G	0.672	0.090	0.017	6.56E-14	0.118	0.067	0.078	0.015	56.165	TRUE	1.49E-12
COPD in never smokers	DAB2IP	cg10394788	rs76331566	T	C	0.494	0.051	0.052	3.69E-22	-0.015	0.036	0.678	0.025	93.641	TRUE	4.07E-21
COPD in never smokers	DAB2IP	cg10394788	rs7873850	A	C	0.367	0.031	0.182	1.68E-32	0.016	0.022	0.463	0.037	140.840	TRUE	1.26E-30
COPD in never smokers	DAB2IP	cg13696706	rs10818576	G	T	0.148	0.027	0.243	4.35E-08	-0.011	0.019	0.560	0.008	29.970	TRUE	1.21E-07
COPD in never smokers	DAB2IP	cg13696706	rs10985284	T	G	0.270	0.025	0.289	1.09E-26	-0.001	0.018	0.952	0.030	114.301	TRUE	1.11E-25
COPD in never smokers	DAB2IP	cg13696706	rs58802731	A	C	-0.253	0.033	0.159	7.66E-15	0.007	0.023	0.752	0.016	60.387	TRUE	3.26E-14
COPD in never smokers	DAB2IP	cg13758780	rs112281448	A	G	-0.295	0.051	0.055	1.06E-08	-0.027	0.037	0.466	0.009	32.717	TRUE	3.61E-08
COPD in never smokers	DAB2IP	cg13758780	rs12380661	T	C	0.386	0.025	0.362	1.36E-54	-0.009	0.018	0.599	0.061	241.978	TRUE	2.02E-51
COPD in never smokers	DAB2IP	cg13758780	rs1359085	G	A	0.173	0.024	0.430	2.08E-13	-0.015	0.017	0.384	0.014	53.899	TRUE	1.50E-12
COPD in never smokers	DAB2IP	cg13758780	rs58802731	A	C	-0.468	0.032	0.159	9.59E-48	0.007	0.023	0.752	0.054	210.600	TRUE	2.79E-45
COPD in never smokers	DAB2IP	cg13758780	rs6478506	A	G	-0.176	0.029	0.200	1.51E-09	0.018	0.020	0.388	0.010	36.503	TRUE	6.54E-09
COPD in never smokers	DAB2IP	cg13833607	rs10985342	G	A	-0.220	0.027	0.237	2.88E-16	-0.007	0.054	0.895	0.018	66.848	TRUE	1.11E-15
COPD in never smokers	DAB2IP	cg14021373	rs10985320	C	T	-0.216	0.032	0.157	2.09E-11	-0.009	0.022	0.669	0.012	44.859	TRUE	7.11E-11
COPD in never smokers	DAB2IP	cg14021373	rs57185433	T	C	-1.468	0.085	0.020	4.15E-66	0.088	0.061	0.146	0.074	294.789	TRUE	6.35E-61
COPD in never smokers	DAB2IP	cg14136214	rs7854651	G	A	-0.214	0.023	0.477	1.86E-20	0.033	0.017	0.043	0.023	85.891	TRUE	1.88E-18
COPD in never smokers	DAB2IP	cg14190522	rs10120537	T	G	-0.184	0.024	0.374	2.95E-14	0.005	0.017	0.748	0.015	57.738	TRUE	1.19E-13
COPD in never smokers	DAB2IP	cg14190522	rs10739588	A	G	-0.147	0.025	0.302	6.06E-09	0.000	0.018	0.992	0.009	33.798	TRUE	1.06E-08
COPD in never smokers	DAB2IP	cg14190522	rs10985315	C	T	0.594	0.030	0.182	1.97E-85	0.017	0.022	0.442	0.094	383.468	TRUE	2.52E-79
COPD in never smokers	DAB2IP	cg14190522	rs116945153	T	C	-0.415	0.062	0.032	2.94E-11	-0.026	0.044	0.557	0.012	44.192	TRUE	1.17E-10
COPD in never smokers	DAB2IP	cg14190522	rs603315	T	C	-0.391	0.031	0.160	1.37E-36	0.009	0.022	0.669	0.041	159.530	TRUE	9.92E-35
COPD in never smokers	DAB2IP	cg14190522	rs72760242	A	G	0.265	0.039	0.108	1.57E-11	0.060	0.027	0.027	0.012	45.424	TRUE	3.79E-10
COPD in never smokers	DAB2IP	cg14254686	rs150611873	T	C	-0.130	0.024	0.488	3.57E-08	0.032	0.016	0.056	0.008	30.351	TRUE	3.32E-07
COPD in never smokers	DAB2IP	cg14594111	rs10985290	A	G	-0.242	0.042	0.079	1.09E-08	0.008	0.028	0.770	0.009	32.657	TRUE	2.45E-08
COPD in never smokers	DAB2IP	cg14594111	rs1106006	T	G	0.166	0.028	0.230	3.32E-09	0.022	0.020	0.273	0.009	34.965	TRUE	1.72E-08
COPD in never smokers	DAB2IP	cg14594111	rs36084561	T	C	-0.264	0.029	0.203	4.62E-20	-0.022	0.021	0.285	0.022	84.090	TRUE	1.07E-18
COPD in never smokers	DAB2IP	cg14594111	rs57455029	A	G	-0.341	0.053	0.050	1.31E-10	0.030	0.038	0.432	0.011	41.278	TRUE	5.97E-10
COPD in never smokers	DAB2IP	cg14594111	rs60432659	T	C	0.187	0.031	0.181	1.84E-09	0.017	0.022	0.430	0.010	36.120	TRUE	7.31E-09
COPD in never smokers	DAB2IP	cg14594111	rs7025486	A	G	-0.666	0.025	0.263	7.80E-152	-0.005	0.019	0.794	0.157	688.516	TRUE	7.64E-139
COPD in never smokers	DAB2IP	cg14594111	rs7468120	A	G	0.163	0.026	0.278	5.81E-10	0.000	0.019	0.993	0.010	38.363	TRUE	1.10E-09
COPD in never smokers	DAB2IP	cg14594111	rs78424955	A	G	-0.347	0.033	0.138	1.15E-25	-0.044	0.023	0.058	0.029	109.617	TRUE	2.39E-23
COPD in never smokers	DAB2IP	cg14594187	rs10760198	G	A	-0.142	0.023	0.432	1.14E-09	0.025	0.017	0.139	0.010	37.049	TRUE	9.27E-09
COPD in never smokers	DAB2IP	cg14611152	rs36084561	T	C	-0.222	0.029	0.203	1.31E-14	-0.022	0.021	0.285	0.016	59.339	TRUE	1.41E-13
COPD in never smokers	DAB2IP	cg14611152	rs7025486	A	G	-0.519	0.026	0.263	1.90E-89	-0.005	0.019	0.794	0.098	401.908	TRUE	1.16E-83
COPD in never smokers	DAB2IP	cg14611152	rs7468120	A	G	0.150	0.026	0.278	1.24E-08	0.000	0.019	0.993	0.009	32.413	TRUE	2.11E-08
COPD in never smokers	DAB2IP	cg14611152	rs78424955	A	G	-0.266	0.033	0.138	1.07E-15	-0.044	0.023	0.058	0.017	64.255	TRUE	3.91E-14
COPD in never smokers	DAB2IP	cg21182461	rs7853819	G	A	-0.232	0.026	0.267	2.23E-18	-0.015	0.019	0.414	0.020	76.433	TRUE	2.83E-17
COPD in never smokers	DAB2IP	cg21234082	rs10120537	T	G	0.435	0.024	0.374	4.99E-75	0.005	0.017	0.748	0.083	335.718	TRUE	1.81E-70
COPD in never smokers	DAB2IP	cg21234082	rs10818491	T	C	0.137	0.023	0.435	4.88E-09	0.046	0.017	0.006	0.009	34.217	TRUE	1.16E-07
COPD in never smokers	DAB2IP	cg21234082	rs10985332	T	C	-0.263	0.030	0.200	1.26E-18	0.001	0.021	0.973	0.021	77.555	TRUE	5.32E-18
COPD in never smokers	DAB2IP	cg21234082	rs10985449	A	C	0.176	0.024	0.428	2.35E-13	0.008	0.017	0.653	0.014	53.655	TRUE	1.01E-12

COPD in never smokers	DAB2IP	cg21234082	rs118115974	A	G	-0.624	0.094	0.028	2.53E-11	0.004	0.041	0.914	0.012	44.484	TRUE	5.98E-11
COPD in never smokers	DAB2IP	cg21234082	rs12156434	C	T	0.265	0.031	0.173	2.78E-17	-0.004	0.023	0.852	0.019	71.454	TRUE	1.28E-16
COPD in never smokers	DAB2IP	cg21234082	rs12237140	T	C	-0.561	0.099	0.015	1.22E-08	0.108	0.068	0.114	0.009	32.438	TRUE	9.15E-08
COPD in never smokers	DAB2IP	cg21234082	rs12350307	A	G	-0.351	0.045	0.073	4.16E-15	0.052	0.031	0.098	0.016	61.590	TRUE	1.01E-13
COPD in never smokers	DAB2IP	cg21234082	rs149391267	T	C	-0.889	0.122	0.022	2.69E-13	0.026	0.051	0.611	0.014	53.391	TRUE	1.23E-12
COPD in never smokers	DAB2IP	cg21234082	rs16911057	A	G	-0.400	0.036	0.121	9.00E-29	-0.017	0.026	0.516	0.032	123.801	TRUE	3.43E-27
COPD in never smokers	DAB2IP	cg21234082	rs17292952	A	G	-0.596	0.063	0.046	6.37E-21	0.033	0.040	0.413	0.023	88.005	TRUE	1.13E-19
COPD in never smokers	DAB2IP	cg21234082	rs2300932	A	C	0.294	0.024	0.394	2.13E-34	-0.015	0.017	0.376	0.039	149.514	TRUE	2.83E-32
COPD in never smokers	DAB2IP	cg21234082	rs2789883	G	A	-1.251	0.017	0.257	<1E-200	-0.007	0.019	0.705	0.582	5148.880	TRUE	<1E-200
COPD in never smokers	DAB2IP	cg21234082	rs34846876	C	T	-0.171	0.029	0.222	2.89E-09	-0.023	0.020	0.233	0.009	35.237	TRUE	1.66E-08
COPD in never smokers	DAB2IP	cg21234082	rs514823	T	C	0.409	0.028	0.221	9.12E-50	0.015	0.020	0.429	0.056	219.864	TRUE	1.14E-46
COPD in never smokers	DAB2IP	cg21234082	rs57455029	A	G	-0.292	0.053	0.050	4.11E-08	0.030	0.038	0.432	0.008	30.083	TRUE	1.37E-07
COPD in never smokers	DAB2IP	cg21234082	rs72758134	G	T	0.226	0.032	0.160	1.14E-12	0.038	0.022	0.087	0.013	50.555	TRUE	1.97E-11
COPD in never smokers	DAB2IP	cg21234082	rs75318126	T	C	0.317	0.030	0.186	9.47E-26	0.020	0.022	0.356	0.029	110.008	TRUE	3.84E-24
COPD in never smokers	DAB2IP	cg21234082	rs75791887	C	T	-0.507	0.055	0.044	2.85E-20	-0.007	0.040	0.857	0.022	85.046	TRUE	1.76E-19
COPD in never smokers	DAB2IP	cg21234082	rs78424955	A	G	0.219	0.033	0.138	5.11E-11	-0.044	0.023	0.058	0.012	43.112	TRUE	8.01E-10
COPD in never smokers	DAB2IP	cg21234082	rs7861752	T	C	0.167	0.024	0.435	2.13E-12	0.022	0.017	0.179	0.013	49.334	TRUE	2.31E-11
COPD in never smokers	DAB2IP	cg21234082	rs9408927	G	T	0.300	0.051	0.055	4.54E-09	-0.013	0.035	0.714	0.009	34.359	TRUE	1.14E-08
COPD in never smokers	DAP	cg05473987	rs2964786	T	C	-0.195	0.027	0.257	4.79E-13	-0.006	0.019	0.735	0.014	52.262	TRUE	1.74E-12
COPD in never smokers	DAP	cg14129473	rs267942	C	T	-0.381	0.040	0.098	9.99E-22	0.013	0.028	0.626	0.024	91.669	TRUE	1.17E-20
COPD in never smokers	DAP	cg14129473	rs2918398	A	G	-0.138	0.025	0.347	2.94E-08	0.003	0.018	0.846	0.008	30.729	TRUE	5.80E-08
COPD in never smokers	DAP	cg14662675	rs115180707	A	G	0.650	0.083	0.020	3.72E-15	-0.139	0.066	0.035	0.016	61.809	TRUE	1.61E-13
COPD in never smokers	DAP	cg14662675	rs12653693	A	G	0.641	0.095	0.017	1.55E-11	0.026	0.064	0.681	0.012	45.450	TRUE	5.23E-11
COPD in never smokers	DAP	cg14662675	rs1470023	T	C	0.340	0.034	0.136	9.38E-24	-0.039	0.025	0.119	0.027	100.907	TRUE	8.11E-22
COPD in never smokers	DAP	cg14662675	rs2918392	C	T	0.258	0.025	0.354	1.18E-25	-0.001	0.017	0.956	0.029	109.572	TRUE	1.07E-24
COPD in never smokers	DAP	cg14662675	rs55696181	A	G	0.613	0.051	0.059	5.12E-33	0.006	0.036	0.874	0.037	143.196	TRUE	1.34E-31
COPD in never smokers	DAP	cg14662675	rs72744342	A	G	-0.265	0.046	0.073	1.09E-08	0.028	0.031	0.370	0.009	32.648	TRUE	4.37E-08
COPD in never smokers	DAP	cg14662675	rs75503268	A	G	0.251	0.041	0.093	8.01E-10	0.016	0.029	0.578	0.010	37.738	TRUE	2.63E-09
COPD in never smokers	DAP	cg14662675	rs852604	G	T	-0.199	0.024	0.356	2.88E-16	-0.003	0.018	0.869	0.018	66.849	TRUE	1.16E-15
COPD in never smokers	DAP	cg17665505	rs5745272	C	A	0.343	0.036	0.128	1.02E-21	0.024	0.025	0.340	0.024	91.620	TRUE	2.49E-20
COPD in never smokers	DAP	cg18867653	rs2399965	C	A	0.483	0.029	0.199	2.22E-61	-0.012	0.021	0.559	0.069	273.103	TRUE	1.27E-57
COPD in never smokers	DAP	cg18867653	rs3776415	C	A	0.178	0.030	0.185	3.73E-09	0.000	0.021	1.000	0.009	34.742	TRUE	6.56E-09
COPD in never smokers	DAP	cg18867653	rs76068039	C	T	0.630	0.077	0.026	1.85E-16	-0.075	0.053	0.161	0.018	67.724	TRUE	4.02E-15
COPD in never smokers	DAP	cg25143743	rs17831254	T	C	-1.286	0.049	0.058	1.97E-153	0.004	0.036	0.921	0.158	695.860	TRUE	1.61E-140
COPD in never smokers	DAP	cg25143743	rs267985	G	A	-0.178	0.024	0.357	2.94E-13	-0.002	0.017	0.913	0.014	53.217	TRUE	8.28E-13
COPD in never smokers	DAP	cg25143743	rs4701883	G	T	-0.171	0.025	0.295	1.50E-11	-0.027	0.018	0.137	0.012	45.512	TRUE	1.67E-10
COPD in never smokers	DAP	cg25143743	rs4702760	C	A	-0.195	0.026	0.316	2.22E-14	0.015	0.018	0.384	0.016	58.297	TRUE	1.81E-13
COPD in never smokers	DAP	cg25143743	rs73741224	C	T	-0.862	0.094	0.017	4.38E-20	0.009	0.064	0.886	0.022	84.196	TRUE	2.51E-19
COPD in never smokers	DAPL1	cg09357934	rs13401347	A	G	0.390	0.038	0.106	3.55E-24	-0.022	0.026	0.396	0.027	102.832	TRUE	1.02E-22
COPD in never smokers	DAPL1	cg09357934	rs2356509	C	T	-0.559	0.023	0.402	2.25E-129	0.037	0.017	0.027	0.137	585.298	TRUE	5.24E-116
COPD in never smokers	DAPL1	cg09357934	rs4027725	T	C	-0.476	0.038	0.104	1.28E-35	0.031	0.028	0.260	0.040	155.089	TRUE	3.33E-33
COPD in never smokers	DAPL1	cg09357934	rs59181921	G	A	0.161	0.023	0.451	6.38E-12	0.002	0.017	0.921	0.013	47.185	TRUE	1.57E-11

COPD in never smokers	DAPL1	cg09357934	rs6757197	G	T	0.231	0.024	0.420	2.26E-22	-0.012	0.017	0.463	0.025	94.607	TRUE	4.25E-21
COPD in never smokers	DAPL1	cg09357934	rs77696192	G	A	-0.203	0.033	0.157	1.26E-09	0.018	0.023	0.437	0.010	36.858	TRUE	5.05E-09
COPD in never smokers	DAPL1	cg21992932	rs11690492	C	T	0.412	0.037	0.113	2.56E-28	-0.016	0.026	0.542	0.032	121.732	TRUE	8.51E-27
COPD in never smokers	DAPL1	cg21992932	rs2356509	C	T	-0.637	0.023	0.402	2.77E-172	0.037	0.017	0.027	0.175	782.514	TRUE	1.14E-152
COPD in never smokers	DAPL1	cg21992932	rs4027725	T	C	-0.409	0.038	0.104	1.22E-26	0.031	0.028	0.260	0.030	114.065	TRUE	7.99E-25
COPD in never smokers	DAPL1	cg21992932	rs55796386	C	T	-0.425	0.066	0.088	9.67E-11	0.030	0.029	0.294	0.011	41.865	TRUE	5.95E-10
COPD in never smokers	DAPL1	cg21992932	rs6757197	G	T	0.249	0.024	0.420	9.60E-26	-0.012	0.017	0.463	0.029	109.981	TRUE	2.82E-24
COPD in never smokers	DAPL1	cg21992932	rs72953171	T	G	-0.223	0.027	0.269	8.76E-17	-0.002	0.018	0.920	0.018	69.193	TRUE	3.39E-16
COPD in never smokers	DAPL1	cg21992932	rs77696192	G	A	-0.200	0.034	0.157	2.61E-09	0.018	0.023	0.437	0.009	35.439	TRUE	1.01E-08
COPD in never smokers	DAPL1	cg21992932	rs9789420	T	C	0.137	0.024	0.396	1.43E-08	-0.016	0.017	0.350	0.009	32.127	TRUE	5.83E-08
COPD in never smokers	DAPL1	cg23560546	rs13401347	A	G	0.398	0.038	0.106	3.48E-25	-0.022	0.026	0.396	0.028	107.432	TRUE	1.15E-23
COPD in never smokers	DAPL1	cg23560546	rs4027725	T	C	-0.401	0.038	0.104	1.17E-25	0.031	0.028	0.260	0.029	109.587	TRUE	6.62E-24
COPD in never smokers	DAPL1	cg23560546	rs55796386	C	T	-0.404	0.066	0.088	8.03E-10	0.030	0.029	0.294	0.010	37.733	TRUE	4.34E-09
COPD in never smokers	DAPL1	cg23560546	rs6757197	G	T	0.227	0.024	0.420	1.06E-21	-0.012	0.017	0.463	0.024	91.551	TRUE	1.83E-20
COPD in never smokers	DAPL1	cg23560546	rs77696192	G	A	-0.211	0.033	0.157	2.87E-10	0.018	0.023	0.437	0.011	39.742	TRUE	1.25E-09
COPD in never smokers	DAPL1	cg23560546	rs925781	A	G	-0.606	0.023	0.403	9.78E-154	0.040	0.017	0.018	0.159	697.256	TRUE	1.12E-136
COPD in never smokers	DBH	cg06708731	rs10993769	T	C	0.218	0.025	0.333	4.53E-18	0.015	0.017	0.380	0.020	75.035	TRUE	6.03E-17
COPD in never smokers	DBH	cg06708731	rs522673	T	C	-0.158	0.028	0.226	1.32E-08	-0.001	0.020	0.950	0.009	32.281	TRUE	2.37E-08
COPD in never smokers	DBH	cg13521156	rs1076150	T	C	-0.158	0.023	0.487	1.68E-11	-0.002	0.017	0.882	0.012	45.292	TRUE	4.21E-11
COPD in never smokers	DBH	cg13521156	rs3025403	T	C	0.289	0.045	0.071	1.38E-10	0.012	0.032	0.716	0.011	41.174	TRUE	4.01E-10
COPD in never smokers	DBH	cg13651137	rs10993770	A	C	-0.218	0.025	0.335	4.58E-18	0.015	0.017	0.382	0.020	75.013	TRUE	6.06E-17
COPD in never smokers	DBH	cg13651137	rs9409876	A	C	0.197	0.029	0.200	6.56E-12	0.013	0.021	0.516	0.013	47.129	TRUE	3.03E-11
COPD in never smokers	DBH	cg14007688	rs10993958	A	G	0.411	0.065	0.083	2.01E-10	-0.053	0.032	0.096	0.011	40.439	TRUE	2.23E-09
COPD in never smokers	DBH	cg14007688	rs112729928	T	C	-1.051	0.116	0.026	1.45E-19	-0.073	0.043	0.095	0.022	81.824	TRUE	7.55E-18
COPD in never smokers	DBH	cg14007688	rs117630211	G	A	-0.891	0.074	0.027	1.29E-33	-0.030	0.047	0.528	0.038	145.931	TRUE	9.25E-32
COPD in never smokers	DBH	cg14007688	rs118160162	C	T	0.413	0.064	0.030	7.59E-11	0.042	0.039	0.281	0.011	42.338	TRUE	4.89E-10
COPD in never smokers	DBH	cg14007688	rs129885	A	C	0.443	0.028	0.198	7.81E-55	0.019	0.021	0.349	0.062	243.088	TRUE	3.40E-51
COPD in never smokers	DBH	cg14007688	rs13290909	C	T	-0.270	0.045	0.075	1.35E-09	0.027	0.030	0.370	0.010	36.719	TRUE	6.08E-09
COPD in never smokers	DBH	cg14007688	rs148878363	G	A	-0.773	0.104	0.025	1.31E-13	-0.124	0.059	0.037	0.015	54.806	TRUE	4.12E-12
COPD in never smokers	DBH	cg14007688	rs1548368	A	G	0.394	0.023	0.468	1.58E-64	0.005	0.017	0.771	0.072	287.541	TRUE	7.21E-61
COPD in never smokers	DBH	cg14007688	rs2510245	G	A	-0.346	0.024	0.421	1.50E-48	0.041	0.017	0.014	0.055	214.295	TRUE	7.77E-44
COPD in never smokers	DBH	cg14007688	rs2519150	C	T	-0.172	0.023	0.494	2.39E-13	0.012	0.016	0.474	0.014	53.627	TRUE	1.41E-12
COPD in never smokers	DBH	cg14007688	rs3025422	C	T	-0.735	0.131	0.015	1.89E-08	0.026	0.073	0.725	0.008	31.589	TRUE	4.39E-08
COPD in never smokers	DBH	cg14007688	rs62575417	C	T	-0.453	0.051	0.101	1.31E-18	-0.004	0.028	0.895	0.021	77.489	TRUE	6.34E-18
COPD in never smokers	DBH	cg14138047	rs1611115	T	C	-0.202	0.029	0.193	4.24E-12	0.000	0.020	0.995	0.013	47.983	TRUE	9.55E-12
COPD in never smokers	DBH	cg14138047	rs2073837	A	G	-0.375	0.026	0.291	6.22E-48	-0.015	0.018	0.406	0.054	211.462	TRUE	6.30E-45
COPD in never smokers	DBH	cg14138047	rs694821	C	T	-0.202	0.024	0.452	2.57E-17	0.020	0.017	0.238	0.019	71.611	TRUE	4.69E-16
COPD in never smokers	DBH	cg14368247	rs7864658	G	A	0.176	0.031	0.492	1.71E-08	0.004	0.017	0.795	0.009	31.776	TRUE	3.67E-08
COPD in never smokers	DBH	cg14581628	rs10993769	T	C	0.284	0.025	0.333	1.52E-29	0.015	0.017	0.380	0.033	127.330	TRUE	9.77E-28
COPD in never smokers	DBH	cg14581628	rs2519153	C	A	0.178	0.025	0.324	1.10E-12	0.000	0.017	0.998	0.014	50.624	TRUE	2.59E-12
COPD in never smokers	DBH	cg25020204	rs10993770	A	C	0.170	0.025	0.335	1.58E-11	0.015	0.017	0.382	0.012	45.406	TRUE	8.94E-11
COPD in never smokers	DBH	cg25020204	rs1611114	T	C	-0.315	0.027	0.265	2.13E-32	-0.002	0.019	0.925	0.037	140.366	TRUE	4.55E-31

COPD in never smokers	DBH	cg25020204	rs6479629	T	C	0.146	0.025	0.297	9.01E-09	-0.033	0.018	0.066	0.009	33.026	TRUE	8.79E-08
COPD in never smokers	DDX47	cg13523561	rs56303669	G	T	0.366	0.038	0.173	5.58E-22	-0.022	0.022	0.327	0.024	92.822	TRUE	1.47E-20
COPD in never smokers	DDX47	cg14463304	rs11834397	G	T	0.156	0.024	0.364	1.56E-10	-0.055	0.018	0.002	0.011	40.931	TRUE	7.87E-09
COPD in never smokers	DDX47	cg21196265	rs11055070	G	A	-0.143	0.024	0.358	4.27E-09	0.031	0.017	0.077	0.009	34.479	TRUE	4.14E-08
COPD in never smokers	DEF8	cg01883217	rs11355220	T	G	-0.204	0.026	0.283	4.23E-15	-0.030	0.029	0.301	0.016	61.558	TRUE	4.66E-14
COPD in never smokers	DEF8	cg01883217	rs11649196	A	G	-0.343	0.033	0.145	1.01E-24	0.009	0.023	0.712	0.028	105.317	TRUE	1.40E-23
COPD in never smokers	DEF8	cg01883217	rs12595968	T	G	0.268	0.048	0.066	2.06E-08	-0.036	0.033	0.271	0.008	31.422	TRUE	9.56E-08
COPD in never smokers	DEF8	cg01883217	rs147123965	T	C	-0.472	0.061	0.035	7.74E-15	0.044	0.046	0.344	0.016	60.367	TRUE	7.37E-14
COPD in never smokers	DEF8	cg01883217	rs150237316	T	C	-0.446	0.070	0.030	1.37E-10	0.047	0.049	0.336	0.011	41.187	TRUE	7.52E-10
COPD in never smokers	DEF8	cg01883217	rs150246110	A	G	-0.555	0.089	0.014	5.00E-10	0.011	0.062	0.855	0.010	38.658	TRUE	1.14E-09
COPD in never smokers	DEF8	cg01883217	rs17719735	A	G	0.272	0.050	0.065	4.76E-08	-0.027	0.036	0.447	0.008	29.797	TRUE	1.54E-07
COPD in never smokers	DEF8	cg01883217	rs17774983	T	C	-0.561	0.066	0.030	2.13E-17	-0.108	0.052	0.037	0.019	71.986	TRUE	1.35E-15
COPD in never smokers	DEF8	cg01883217	rs181073811	C	T	0.348	0.055	0.053	2.15E-10	0.079	0.038	0.038	0.011	40.304	TRUE	3.60E-09
COPD in never smokers	DEF8	cg01883217	rs34686253	C	T	0.466	0.066	0.038	1.85E-12	0.008	0.044	0.848	0.013	49.615	TRUE	5.33E-12
COPD in never smokers	DEF8	cg01883217	rs4248913	A	C	0.329	0.039	0.095	2.79E-17	-0.062	0.029	0.031	0.019	71.450	TRUE	1.90E-15
COPD in never smokers	DEF8	cg01883217	rs4627348	T	C	0.253	0.024	0.376	1.10E-25	0.004	0.017	0.823	0.029	109.713	TRUE	1.33E-24
COPD in never smokers	DEF8	cg01883217	rs62054623	G	A	-0.678	0.048	0.058	9.72E-46	-0.055	0.034	0.100	0.052	201.413	TRUE	4.44E-42
COPD in never smokers	DEF8	cg01883217	rs66701606	T	C	0.302	0.027	0.256	4.41E-29	-0.057	0.019	0.003	0.033	125.215	TRUE	1.15E-25
COPD in never smokers	DEF8	cg01883217	rs7200403	G	A	0.393	0.024	0.366	2.52E-58	-0.018	0.017	0.289	0.065	259.095	TRUE	2.87E-54
COPD in never smokers	DEF8	cg01883217	rs7205758	A	G	-0.173	0.024	0.357	1.02E-12	0.007	0.017	0.698	0.014	50.768	TRUE	3.82E-12
COPD in never smokers	DEF8	cg01883217	rs9933533	C	T	-0.140	0.023	0.479	2.27E-09	0.016	0.017	0.354	0.010	35.704	TRUE	1.02E-08
COPD in never smokers	DEF8	cg02061948	rs11646910	A	G	-0.311	0.039	0.103	1.20E-15	-0.029	0.027	0.289	0.017	64.044	TRUE	1.47E-14
COPD in never smokers	DEF8	cg02061948	rs11859206	C	A	-0.736	0.036	0.116	3.78E-95	0.030	0.025	0.241	0.104	428.082	TRUE	1.72E-87
COPD in never smokers	DEF8	cg02061948	rs13336744	T	G	-0.541	0.080	0.030	1.13E-11	-0.050	0.055	0.366	0.012	46.056	TRUE	6.76E-11
COPD in never smokers	DEF8	cg02061948	rs150246110	A	G	-0.702	0.088	0.014	2.07E-15	0.011	0.062	0.855	0.017	62.964	TRUE	7.84E-15
COPD in never smokers	DEF8	cg02061948	rs189324426	A	C	-0.752	0.106	0.013	1.00E-12	0.012	0.077	0.871	0.014	50.809	TRUE	2.86E-12
COPD in never smokers	DEF8	cg02061948	rs34539781	T	C	0.285	0.039	0.094	4.46E-13	-0.020	0.028	0.479	0.014	52.401	TRUE	2.53E-12
COPD in never smokers	DEF8	cg02061948	rs4341744	T	C	0.211	0.025	0.306	1.19E-16	-0.022	0.018	0.216	0.018	68.584	TRUE	2.14E-15
COPD in never smokers	DEF8	cg02061948	rs4785775	A	C	-0.158	0.024	0.397	2.56E-11	0.026	0.017	0.128	0.012	44.465	TRUE	2.84E-10
COPD in never smokers	DEF8	cg02061948	rs67632157	A	G	0.163	0.024	0.420	9.77E-12	-0.018	0.017	0.268	0.012	46.349	TRUE	7.36E-11
COPD in never smokers	DEF8	cg02061948	rs7184956	T	C	-0.225	0.024	0.374	9.50E-21	0.014	0.017	0.412	0.023	87.216	TRUE	1.65E-19
COPD in never smokers	DEF8	cg02061948	rs8060230	T	C	-0.528	0.063	0.030	5.21E-17	0.070	0.044	0.112	0.019	70.219	TRUE	1.58E-15
COPD in never smokers	DEF8	cg02061948	rs8062311	A	G	-0.233	0.034	0.136	4.36E-12	0.035	0.023	0.139	0.013	47.928	TRUE	5.25E-11
COPD in never smokers	DEF8	cg03721293	rs11076647	C	A	-0.137	0.025	0.306	4.68E-08	0.001	0.018	0.939	0.008	29.829	TRUE	8.12E-08
COPD in never smokers	DEF8	cg03721293	rs11640198	T	C	0.150	0.027	0.251	2.62E-08	0.005	0.018	0.774	0.008	30.952	TRUE	5.66E-08
COPD in never smokers	DEF8	cg03721293	rs11649196	A	G	0.333	0.033	0.145	1.33E-23	0.009	0.023	0.712	0.026	100.221	TRUE	1.61E-22
COPD in never smokers	DEF8	cg03721293	rs28669914	T	C	0.190	0.028	0.221	7.76E-12	0.031	0.021	0.150	0.012	46.801	TRUE	8.57E-11
COPD in never smokers	DEF8	cg03721293	rs62068712	G	A	0.191	0.031	0.167	1.29E-09	-0.017	0.021	0.416	0.010	36.809	TRUE	5.36E-09
COPD in never smokers	DEF8	cg03721293	rs78517194	C	A	0.730	0.044	0.067	5.93E-61	-0.038	0.031	0.230	0.068	271.146	TRUE	1.62E-56
COPD in never smokers	DEF8	cg03987653	rs10153134	C	T	-0.137	0.025	0.350	2.45E-08	-0.038	0.017	0.028	0.008	31.084	TRUE	3.01E-07
COPD in never smokers	DEF8	cg03987653	rs113753049	C	A	0.178	0.025	0.312	2.61E-12	0.023	0.018	0.195	0.013	48.934	TRUE	2.65E-11
COPD in never smokers	DEF8	cg03987653	rs11639655	G	A	-0.144	0.026	0.322	2.44E-08	0.031	0.018	0.086	0.008	31.090	TRUE	1.96E-07

COPD in never smokers	DEF8	cg03987653	rs145268882	A	G	0.275	0.050	0.054	2.90E-08	0.066	0.034	0.054	0.008	30.755	TRUE	2.78E-07
COPD in never smokers	DEF8	cg03987653	rs150237316	T	C	-0.405	0.070	0.030	5.79E-09	0.047	0.049	0.336	0.009	33.887	TRUE	2.55E-08
COPD in never smokers	DEF8	cg03987653	rs4365288	A	G	-0.845	0.049	0.052	4.07E-67	-0.047	0.034	0.169	0.075	299.419	TRUE	6.14E-62
COPD in never smokers	DEF8	cg03987653	rs4785699	T	G	-0.173	0.027	0.233	2.98E-10	-0.021	0.019	0.273	0.011	39.666	TRUE	1.80E-09
COPD in never smokers	DEF8	cg03987653	rs4785749	T	C	0.153	0.024	0.382	2.75E-10	0.013	0.017	0.448	0.011	39.820	TRUE	1.18E-09
COPD in never smokers	DEF8	cg04591799	rs10153134	C	T	-0.132	0.024	0.350	4.68E-08	-0.038	0.017	0.028	0.008	29.830	TRUE	5.40E-07
COPD in never smokers	DEF8	cg04591799	rs55911767	G	A	-0.172	0.028	0.223	1.25E-09	0.027	0.020	0.177	0.010	36.866	TRUE	8.88E-09
COPD in never smokers	DEF8	cg04591799	rs78260644	G	A	-0.567	0.049	0.052	5.18E-31	-0.051	0.034	0.135	0.035	134.032	TRUE	1.30E-28
COPD in never smokers	DEF8	cg04752812	rs11640198	T	C	0.148	0.027	0.251	3.54E-08	0.005	0.018	0.774	0.008	30.368	TRUE	7.56E-08
COPD in never smokers	DEF8	cg04752812	rs11649196	A	G	0.193	0.033	0.145	6.95E-09	0.009	0.023	0.712	0.009	33.530	TRUE	1.72E-08
COPD in never smokers	DEF8	cg04752812	rs4785775	A	C	-0.132	0.024	0.397	2.63E-08	0.026	0.017	0.128	0.008	30.946	TRUE	1.76E-07
COPD in never smokers	DEF8	cg04752812	rs78517194	C	A	0.551	0.045	0.067	4.27E-35	-0.038	0.031	0.230	0.040	152.701	TRUE	1.19E-32
COPD in never smokers	DEF8	cg05185784	rs12933826	C	T	-0.378	0.044	0.077	7.07E-18	-0.058	0.033	0.073	0.020	74.157	TRUE	3.27E-16
COPD in never smokers	DEF8	cg05185784	rs146972365	C	T	0.439	0.039	0.094	9.52E-30	-0.044	0.028	0.119	0.034	128.258	TRUE	2.20E-27
COPD in never smokers	DEF8	cg05185784	rs150246110	A	G	-0.779	0.089	0.014	2.24E-18	0.011	0.062	0.855	0.020	76.424	TRUE	1.14E-17
COPD in never smokers	DEF8	cg05185784	rs164753	C	T	0.224	0.031	0.187	7.02E-13	0.029	0.021	0.168	0.014	51.511	TRUE	8.53E-12
COPD in never smokers	DEF8	cg05185784	rs186803929	T	C	-0.544	0.042	0.086	1.88E-38	0.023	0.029	0.440	0.043	168.058	TRUE	3.65E-36
COPD in never smokers	DEF8	cg05185784	rs2241034	G	A	-0.241	0.034	0.153	7.58E-13	-0.015	0.024	0.525	0.014	51.360	TRUE	3.84E-12
COPD in never smokers	DEF8	cg05185784	rs2279350	T	C	0.187	0.033	0.150	1.05E-08	-0.054	0.024	0.023	0.009	32.733	TRUE	1.51E-07
COPD in never smokers	DEF8	cg05185784	rs3114892	G	A	0.170	0.024	0.433	4.70E-13	-0.015	0.017	0.371	0.014	52.296	TRUE	3.33E-12
COPD in never smokers	DEF8	cg05185784	rs34686253	C	T	0.453	0.066	0.038	7.54E-12	0.008	0.044	0.848	0.013	46.857	TRUE	2.05E-11
COPD in never smokers	DEF8	cg05185784	rs35754755	T	C	-0.896	0.064	0.031	1.91E-44	-0.032	0.048	0.506	0.050	195.494	TRUE	7.44E-42
COPD in never smokers	DEF8	cg05185784	rs3803686	C	A	-0.797	0.029	0.181	2.51E-170	0.007	0.021	0.721	0.173	773.517	TRUE	1.49E-154
COPD in never smokers	DEF8	cg05185784	rs4519330	A	G	0.177	0.026	0.286	1.86E-11	0.035	0.018	0.057	0.012	45.090	TRUE	3.20E-10
COPD in never smokers	DEF8	cg05185784	rs4627348	T	C	0.321	0.024	0.376	7.90E-41	0.004	0.017	0.823	0.046	178.930	TRUE	6.72E-39
COPD in never smokers	DEF8	cg05185784	rs533180485	C	A	0.444	0.074	0.028	1.53E-09	0.047	0.053	0.368	0.010	36.479	TRUE	6.86E-09
COPD in never smokers	DEF8	cg05185784	rs538727127	A	G	-0.459	0.060	0.034	1.36E-14	0.072	0.042	0.091	0.016	59.266	TRUE	3.15E-13
COPD in never smokers	DEF8	cg05185784	rs55749251	G	T	0.307	0.033	0.154	7.45E-21	0.023	0.023	0.327	0.023	87.695	TRUE	1.68E-19
COPD in never smokers	DEF8	cg05185784	rs56240065	A	G	-0.667	0.053	0.049	2.02E-36	0.030	0.037	0.408	0.041	158.767	TRUE	3.23E-34
COPD in never smokers	DEF8	cg05185784	rs62067101	T	C	-0.595	0.090	0.017	3.58E-11	0.002	0.052	0.975	0.012	43.810	TRUE	7.66E-11
COPD in never smokers	DEF8	cg05185784	rs7200403	G	A	0.408	0.024	0.366	4.66E-63	-0.018	0.017	0.289	0.071	280.799	TRUE	1.32E-58
COPD in never smokers	DEF8	cg05185784	rs77497623	G	T	-0.359	0.037	0.108	9.75E-22	-0.037	0.027	0.170	0.024	91.717	TRUE	4.56E-20
COPD in never smokers	DEF8	cg05185784	rs78908302	G	A	-0.290	0.028	0.210	1.19E-24	-0.002	0.020	0.921	0.028	104.992	TRUE	1.04E-23
COPD in never smokers	DEF8	cg05185784	rs9921599	T	C	-0.240	0.043	0.084	1.80E-08	-0.008	0.032	0.795	0.008	31.678	TRUE	3.85E-08
COPD in never smokers	DEF8	cg12064134	rs1029673	G	T	-0.223	0.027	0.253	1.36E-16	0.002	0.019	0.907	0.018	68.321	TRUE	5.30E-16
COPD in never smokers	DEF8	cg12064134	rs117991811	A	G	-0.645	0.110	0.014	4.72E-09	-0.083	0.072	0.250	0.009	34.284	TRUE	2.52E-08
COPD in never smokers	DEF8	cg12064134	rs118144846	G	A	0.934	0.109	0.014	1.22E-17	0.022	0.071	0.751	0.019	73.076	TRUE	6.99E-17
COPD in never smokers	DEF8	cg12064134	rs13330208	G	T	-1.011	0.141	0.015	7.82E-13	-0.116	0.083	0.162	0.014	51.300	TRUE	9.64E-12
COPD in never smokers	DEF8	cg12064134	rs142969375	G	A	-0.907	0.150	0.014	1.56E-09	-0.020	0.086	0.813	0.010	36.436	TRUE	3.60E-09
COPD in never smokers	DEF8	cg12064134	rs150246110	A	G	-1.029	0.089	0.014	4.09E-31	0.011	0.062	0.855	0.035	134.502	TRUE	8.83E-30
COPD in never smokers	DEF8	cg12064134	rs2241034	G	A	-0.385	0.033	0.153	1.00E-30	-0.015	0.024	0.525	0.035	132.721	TRUE	4.85E-29
COPD in never smokers	DEF8	cg12064134	rs28416911	C	T	0.145	0.024	0.356	2.31E-09	-0.033	0.020	0.110	0.010	35.674	TRUE	2.00E-08

COPD in never smokers	DEF8	cg12064134	rs35754755	T	C	-0.944	0.064	0.031	2.57E-49	-0.032	0.048	0.506	0.056	217.800	TRUE	2.21E-46
COPD in never smokers	DEF8	cg12064134	rs3803686	C	A	-0.874	0.028	0.181	1.48E-209	0.007	0.021	0.721	0.205	953.861	TRUE	1.38E-187
COPD in never smokers	DEF8	cg12064134	rs4627348	T	C	0.264	0.024	0.376	4.61E-28	0.004	0.017	0.823	0.032	120.564	TRUE	7.40E-27
COPD in never smokers	DEF8	cg12064134	rs56240065	A	G	-0.644	0.053	0.049	4.68E-34	0.030	0.037	0.408	0.038	147.946	TRUE	5.27E-32
COPD in never smokers	DEF8	cg12064134	rs7200083	A	G	-0.280	0.032	0.162	4.14E-18	-0.006	0.022	0.773	0.020	75.214	TRUE	2.39E-17
COPD in never smokers	DEF8	cg12064134	rs74037227	A	G	0.219	0.032	0.154	9.21E-12	0.002	0.023	0.936	0.012	46.465	TRUE	2.19E-11
COPD in never smokers	DEF8	cg12064134	rs74466939	T	C	-0.230	0.040	0.098	1.17E-08	0.008	0.027	0.779	0.009	32.515	TRUE	2.60E-08
COPD in never smokers	DEF8	cg12064134	rs74548542	G	A	-0.730	0.064	0.030	5.72E-30	0.082	0.043	0.056	0.034	129.268	TRUE	2.60E-27
COPD in never smokers	DEF8	cg12064134	rs76180276	T	C	0.295	0.053	0.055	3.09E-08	0.013	0.038	0.734	0.008	30.631	TRUE	6.97E-08
COPD in never smokers	DEF8	cg12064134	rs77497623	G	T	-0.234	0.038	0.108	4.65E-10	-0.037	0.027	0.170	0.010	38.798	TRUE	3.61E-09
COPD in never smokers	DEF8	cg16504670	rs13335091	T	C	0.413	0.033	0.138	2.69E-36	0.001	0.023	0.982	0.041	158.193	TRUE	8.11E-35
COPD in never smokers	DEF8	cg16504670	rs189882955	A	G	0.511	0.086	0.017	3.13E-09	0.030	0.062	0.625	0.009	35.081	TRUE	9.01E-09
COPD in never smokers	DEF8	cg16504670	rs3212369	G	A	0.305	0.031	0.160	1.65E-22	-0.021	0.022	0.335	0.025	95.234	TRUE	4.55E-21
COPD in never smokers	DEF8	cg16504670	rs4785762	G	A	0.167	0.024	0.404	3.31E-12	0.025	0.017	0.139	0.013	48.470	TRUE	4.05E-11
COPD in never smokers	DEF8	cg16504670	rs77463543	T	C	0.175	0.032	0.151	4.94E-08	-0.012	0.022	0.594	0.008	29.725	TRUE	1.30E-07
COPD in never smokers	DEF8	cg25193494	rs12933826	C	T	-0.323	0.044	0.077	1.92E-13	-0.058	0.033	0.073	0.014	54.055	TRUE	4.15E-12
COPD in never smokers	DEF8	cg25193494	rs13330208	G	T	-0.835	0.141	0.015	3.58E-09	-0.116	0.083	0.162	0.009	34.822	TRUE	2.47E-08
COPD in never smokers	DEF8	cg25193494	rs148176774	G	A	0.450	0.073	0.030	6.62E-10	0.012	0.048	0.800	0.010	38.109	TRUE	1.61E-09
COPD in never smokers	DEF8	cg25193494	rs148694296	T	C	0.447	0.074	0.030	1.62E-09	0.008	0.047	0.864	0.010	36.362	TRUE	3.50E-09
COPD in never smokers	DEF8	cg25193494	rs150246110	A	G	-1.400	0.088	0.014	7.25E-57	0.011	0.062	0.855	0.064	252.405	TRUE	6.55E-54
COPD in never smokers	DEF8	cg25193494	rs181073811	C	T	0.370	0.055	0.053	1.44E-11	0.079	0.038	0.038	0.012	45.595	TRUE	3.03E-10
COPD in never smokers	DEF8	cg25193494	rs186803929	T	C	-0.443	0.042	0.086	6.35E-26	0.023	0.029	0.440	0.029	110.799	TRUE	2.04E-24
COPD in never smokers	DEF8	cg25193494	rs35754755	T	C	-0.614	0.065	0.031	1.71E-21	-0.032	0.048	0.506	0.024	90.604	TRUE	2.58E-20
COPD in never smokers	DEF8	cg25193494	rs3803686	C	A	-0.718	0.029	0.181	1.61E-135	0.007	0.021	0.721	0.142	613.541	TRUE	1.74E-124
COPD in never smokers	DEF8	cg25193494	rs4129126	A	C	0.161	0.025	0.307	2.94E-10	-0.008	0.018	0.660	0.011	39.691	TRUE	8.98E-10
COPD in never smokers	DEF8	cg25193494	rs4627348	T	C	0.241	0.024	0.376	1.51E-23	0.004	0.017	0.823	0.026	99.969	TRUE	1.43E-22
COPD in never smokers	DEF8	cg25193494	rs4785766	C	A	0.167	0.030	0.183	2.80E-08	0.025	0.022	0.259	0.008	30.828	TRUE	1.31E-07
COPD in never smokers	DEF8	cg25193494	rs533180485	C	A	0.407	0.074	0.028	3.13E-08	0.047	0.053	0.368	0.008	30.608	TRUE	1.18E-07
COPD in never smokers	DEF8	cg25193494	rs56240065	A	G	-0.446	0.053	0.049	5.66E-17	0.030	0.037	0.408	0.019	70.053	TRUE	6.09E-16
COPD in never smokers	DEF8	cg25193494	rs56378598	T	C	0.207	0.026	0.278	3.02E-15	0.018	0.018	0.341	0.017	62.218	TRUE	3.06E-14
COPD in never smokers	DEF8	cg25193494	rs62054652	T	C	-0.369	0.049	0.059	8.02E-14	0.034	0.033	0.306	0.015	55.772	TRUE	7.32E-13
COPD in never smokers	DEF8	cg25193494	rs7200403	G	A	0.303	0.025	0.366	6.32E-35	-0.018	0.017	0.289	0.039	151.923	TRUE	1.29E-32
COPD in never smokers	DEF8	cg25193494	rs74548542	G	A	-0.463	0.065	0.030	7.65E-13	0.082	0.043	0.056	0.014	51.343	TRUE	1.71E-11
COPD in never smokers	DEF8	cg25193494	rs77497623	G	T	-0.353	0.037	0.108	5.07E-21	-0.037	0.027	0.170	0.023	88.457	TRUE	2.12E-19
COPD in never smokers	DEF8	cg25193494	rs77770855	A	G	0.348	0.039	0.092	1.10E-18	-0.037	0.029	0.199	0.021	77.838	TRUE	2.83E-17
COPD in never smokers	DEF8	cg25193494	rs78908302	G	A	-0.210	0.028	0.210	1.48E-13	-0.002	0.020	0.921	0.015	54.564	TRUE	4.23E-13
COPD in never smokers	DEF8	cg26894841	rs12921906	A	G	-0.216	0.033	0.147	3.30E-11	0.035	0.024	0.134	0.012	43.965	TRUE	3.52E-10
COPD in never smokers	DEF8	cg26894841	rs7498985	A	G	-0.147	0.023	0.476	1.48E-10	-0.027	0.016	0.105	0.011	41.036	TRUE	1.61E-09
COPD in never smokers	DEF8	cg26894841	rs9923654	C	T	-0.267	0.030	0.183	4.13E-19	-0.001	0.021	0.961	0.021	79.766	TRUE	1.86E-18
COPD in never smokers	DNM1L	cg06077899	rs1026372	T	C	0.167	0.028	0.246	1.67E-09	0.004	0.020	0.843	0.010	36.304	TRUE	3.69E-09
COPD in never smokers	DNM1L	cg06077899	rs10771961	A	G	0.177	0.025	0.317	3.73E-12	0.023	0.018	0.203	0.013	48.236	TRUE	3.60E-11
COPD in never smokers	DNM1L	cg06077899	rs10844244	T	C	0.192	0.030	0.201	7.78E-11	-0.013	0.021	0.536	0.011	42.290	TRUE	3.06E-10

COPD in never smokers	DNM1L	cg06077899	rs10844279	G	T	1.247	0.027	0.150	<1E-200	0.030	0.024	0.205	0.368	2151.531	TRUE	<1E-200
COPD in never smokers	DNM1L	cg06077899	rs11052101	C	T	0.474	0.035	0.122	1.33E-41	-0.015	0.025	0.547	0.047	182.480	TRUE	2.90E-39
COPD in never smokers	DNM1L	cg06077899	rs112788901	T	C	0.315	0.046	0.083	9.34E-12	-0.003	0.033	0.930	0.012	46.437	TRUE	2.24E-11
COPD in never smokers	DNM1L	cg06077899	rs117159359	T	C	0.847	0.102	0.012	8.59E-17	-0.120	0.080	0.135	0.018	69.232	TRUE	2.23E-15
COPD in never smokers	DNM1L	cg06077899	rs12366836	C	T	-0.179	0.030	0.186	1.35E-09	0.017	0.021	0.416	0.010	36.721	TRUE	5.59E-09
COPD in never smokers	DNM1L	cg06077899	rs138587382	C	A	0.349	0.059	0.041	2.80E-09	0.091	0.040	0.022	0.009	35.301	TRUE	4.60E-08
COPD in never smokers	DNM1L	cg06077899	rs141560825	T	C	0.790	0.080	0.025	5.61E-23	0.070	0.062	0.260	0.026	97.366	TRUE	2.15E-21
COPD in never smokers	DNM1L	cg06077899	rs145999802	T	C	1.046	0.090	0.018	3.93E-31	0.023	0.059	0.692	0.035	134.580	TRUE	1.28E-29
COPD in never smokers	DNM1L	cg06077899	rs147545074	G	A	0.528	0.062	0.043	1.09E-17	0.061	0.042	0.146	0.019	73.303	TRUE	3.08E-16
COPD in never smokers	DNM1L	cg06077899	rs2593994	A	G	0.142	0.024	0.484	1.72E-09	0.015	0.017	0.379	0.010	36.249	TRUE	7.51E-09
COPD in never smokers	DNM1L	cg06077899	rs34072072	T	C	0.321	0.044	0.077	4.76E-13	0.014	0.030	0.630	0.014	52.274	TRUE	2.05E-12
COPD in never smokers	DNM1L	cg06077899	rs4931017	A	G	-0.197	0.028	0.240	1.26E-12	-0.024	0.019	0.214	0.013	50.359	TRUE	1.26E-11
COPD in never smokers	DNM1L	cg06077899	rs61927753	G	A	0.145	0.023	0.455	6.20E-10	-0.017	0.017	0.316	0.010	38.238	TRUE	3.25E-09
COPD in never smokers	DNM1L	cg06077899	rs7134245	A	C	0.424	0.063	0.068	1.24E-11	0.000	0.032	0.999	0.012	45.876	TRUE	2.68E-11
COPD in never smokers	DNM1L	cg06077899	rs7967334	A	C	0.339	0.031	0.175	2.21E-27	0.019	0.022	0.386	0.031	117.457	TRUE	1.02E-25
COPD in never smokers	DNM1L	cg07201835	rs9738377	C	T	0.330	0.033	0.158	2.99E-24	0.039	0.023	0.084	0.027	103.173	TRUE	3.68E-22
COPD in never smokers	DNM1L	cg07687610	rs34034589	G	A	-0.219	0.032	0.158	1.33E-11	0.039	0.023	0.092	0.012	45.750	TRUE	1.85E-10
COPD in never smokers	DNM1L	cg21446102	rs34034589	G	A	0.180	0.032	0.158	2.81E-08	0.039	0.023	0.092	0.008	30.815	TRUE	2.17E-07
COPD in never smokers	DNM1L	cg24786579	rs147515673	A	G	0.729	0.096	0.012	2.96E-14	0.026	0.064	0.685	0.015	57.728	TRUE	1.33E-13
COPD in never smokers	DNM1L	cg27387222	rs9971640	G	T	0.231	0.032	0.157	8.06E-13	0.038	0.023	0.099	0.014	51.239	TRUE	1.33E-11
COPD in never smokers	EPO	cg00854166	rs1734908	G	T	-0.226	0.024	0.394	1.51E-21	0.029	0.017	0.085	0.024	90.849	TRUE	1.18E-19
COPD in never smokers	EPO	cg01087129	rs113787331	A	G	0.257	0.045	0.076	1.10E-08	-0.060	0.032	0.061	0.009	32.637	TRUE	1.09E-07
COPD in never smokers	EPO	cg01087129	rs11970888	T	C	-0.481	0.041	0.088	4.43E-32	0.032	0.031	0.301	0.036	138.913	TRUE	5.55E-30
COPD in never smokers	EPO	cg01087129	rs12705079	A	C	0.252	0.035	0.124	9.12E-13	0.008	0.027	0.763	0.014	50.998	TRUE	3.08E-12
COPD in never smokers	EPO	cg01087129	rs138620343	G	A	-0.565	0.099	0.013	1.18E-08	-0.044	0.064	0.485	0.009	32.508	TRUE	3.88E-08
COPD in never smokers	EPO	cg01087129	rs149319219	T	C	0.255	0.044	0.080	9.43E-09	-0.050	0.031	0.103	0.009	32.938	TRUE	7.56E-08
COPD in never smokers	EPO	cg01087129	rs2527923	T	C	-0.142	0.023	0.496	8.43E-10	0.046	0.017	0.005	0.010	37.638	TRUE	2.49E-08
COPD in never smokers	EPO	cg01087129	rs314305	C	T	-0.304	0.024	0.467	2.32E-38	0.016	0.016	0.331	0.043	167.640	TRUE	6.78E-36
COPD in never smokers	EPO	cg01087129	rs35061193	T	C	0.154	0.024	0.477	5.12E-11	-0.028	0.017	0.093	0.012	43.108	TRUE	6.41E-10
COPD in never smokers	EPO	cg01087129	rs3847067	A	C	0.256	0.026	0.293	2.53E-22	-0.029	0.018	0.120	0.025	94.389	TRUE	1.72E-20
COPD in never smokers	EPO	cg01087129	rs67328257	A	G	-0.145	0.026	0.301	1.28E-08	-0.006	0.018	0.746	0.009	32.346	TRUE	2.94E-08
COPD in never smokers	EPO	cg01087129	rs7797690	T	C	-0.181	0.025	0.345	4.95E-13	-0.001	0.017	0.955	0.014	52.197	TRUE	1.28E-12
COPD in never smokers	EPO	cg07841815	rs141981996	T	C	-0.246	0.037	0.105	2.19E-11	0.054	0.026	0.038	0.012	44.770	TRUE	4.46E-10
COPD in never smokers	EPO	cg07841815	rs2432930	A	G	-0.372	0.023	0.393	6.59E-58	0.029	0.017	0.079	0.065	257.182	TRUE	4.16E-53
COPD in never smokers	EPO	cg07841815	rs2527923	T	C	-0.144	0.023	0.496	2.92E-10	0.046	0.017	0.005	0.011	39.705	TRUE	9.65E-09
COPD in never smokers	EPO	cg07841815	rs314337	C	T	-0.185	0.023	0.478	1.88E-15	0.019	0.016	0.253	0.017	63.150	TRUE	2.51E-14
COPD in never smokers	EPO	cg07841815	rs3808355	T	C	0.157	0.026	0.293	1.74E-09	-0.029	0.018	0.108	0.010	36.228	TRUE	1.55E-08
COPD in never smokers	EPO	cg08575537	rs221799	G	A	-0.334	0.024	0.394	1.92E-45	0.029	0.017	0.081	0.051	200.056	TRUE	1.04E-41
COPD in never smokers	EPO	cg08575537	rs314342	G	A	-0.148	0.024	0.478	3.26E-10	0.020	0.016	0.218	0.011	39.490	TRUE	2.25E-09
COPD in never smokers	EPO	cg08575537	rs35061193	T	C	0.128	0.023	0.477	4.56E-08	-0.028	0.017	0.093	0.008	29.879	TRUE	3.37E-07
COPD in never smokers	EPO	cg08575537	rs3808355	T	C	0.151	0.026	0.293	1.12E-08	-0.029	0.018	0.108	0.009	32.609	TRUE	8.65E-08
COPD in never smokers	EPO	cg08575537	rs4134898	T	C	-0.239	0.034	0.127	3.48E-12	0.066	0.024	0.006	0.013	48.373	TRUE	1.74E-10

COPD in never smokers	EPO	cg10864074	rs2432930	A	G	-0.169	0.024	0.393	8.24E-13	0.029	0.017	0.079	0.014	51.196	TRUE	1.53E-11
COPD in never smokers	EPO	cg17100761	rs2432930	A	G	-0.182	0.024	0.393	1.06E-14	0.029	0.017	0.079	0.016	59.740	TRUE	2.74E-13
COPD in never smokers	EPO	cg20893717	rs221795	C	T	-0.137	0.024	0.355	1.51E-08	0.044	0.017	0.010	0.009	32.021	TRUE	2.77E-07
COPD in never smokers	EPO	cg26071806	rs1734908	G	T	-0.320	0.024	0.394	4.60E-42	0.029	0.017	0.085	0.048	184.586	TRUE	1.26E-38
COPD in never smokers	EPO	cg26071806	rs2734887	T	G	0.211	0.037	0.124	7.31E-09	-0.025	0.028	0.371	0.009	33.432	TRUE	2.98E-08
COPD in never smokers	EPO	cg26071806	rs314306	G	A	-0.136	0.024	0.475	7.28E-09	0.016	0.016	0.325	0.009	33.440	TRUE	3.23E-08
COPD in never smokers	EPO	cg26071806	rs62482175	T	G	-0.212	0.034	0.129	4.20E-10	0.061	0.023	0.009	0.010	38.995	TRUE	1.13E-08
COPD in never smokers	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	0.067	0.017	5.82E-05	0.012	45.175	TRUE	2.81E-09
COPD in never smokers	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.004	0.026	0.885	0.046	179.017	TRUE	5.42E-39
COPD in never smokers	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	0.069	0.017	2.94E-05	0.020	74.210	TRUE	8.00E-15
COPD in never smokers	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	0.080	0.017	3.01E-06	0.047	183.509	TRUE	1.12E-35
COPD in never smokers	EYA3	cg08452964	rs57127818	A	C	0.275	0.026	0.271	1.01E-25	-0.026	0.018	0.159	0.029	109.880	TRUE	9.30E-24
COPD in never smokers	EYA3	cg27509347	rs72656584	C	T	0.670	0.078	0.053	8.93E-18	-0.008	0.039	0.845	0.020	73.696	TRUE	4.36E-17
COPD in never smokers	FBXL2	cg00456685	rs111257877	A	G	-1.530	0.033	0.083	<1E-200	0.011	0.029	0.711	0.363	2103.743	TRUE	<1E-200
COPD in never smokers	FBXL2	cg00456685	rs111755095	T	C	-0.394	0.061	0.038	1.19E-10	-0.031	0.040	0.439	0.011	41.455	TRUE	5.42E-10
COPD in never smokers	FBXL2	cg00456685	rs28733500	T	C	-0.145	0.024	0.361	1.84E-09	0.013	0.017	0.427	0.010	36.113	TRUE	7.37E-09
COPD in never smokers	FBXL2	cg00456685	rs34687248	A	G	-0.241	0.025	0.349	9.17E-23	0.003	0.017	0.840	0.025	96.394	TRUE	7.69E-22
COPD in never smokers	FBXL2	cg00456685	rs34840292	T	C	-0.224	0.032	0.161	4.05E-12	-0.034	0.023	0.135	0.013	48.073	TRUE	4.99E-11
COPD in never smokers	FBXL2	cg00456685	rs4355234	G	A	-0.279	0.032	0.167	1.23E-18	0.026	0.022	0.238	0.021	77.605	TRUE	2.72E-17
COPD in never smokers	FBXL2	cg00456685	rs4678868	A	G	0.170	0.025	0.349	5.11E-12	0.038	0.017	0.029	0.013	47.618	TRUE	1.32E-10
COPD in never smokers	FBXL2	cg00456685	rs6781846	G	T	-0.341	0.025	0.337	9.14E-43	-0.001	0.017	0.974	0.048	187.796	TRUE	6.67E-41
COPD in never smokers	FBXL2	cg00456685	rs73059624	G	T	-0.665	0.095	0.041	2.94E-12	-0.014	0.037	0.705	0.013	48.700	TRUE	1.03E-11
COPD in never smokers	FBXL2	cg00456685	rs9819067	C	A	0.202	0.025	0.326	4.36E-16	-0.015	0.017	0.400	0.018	66.031	TRUE	4.27E-15
COPD in never smokers	FBXL2	cg00456685	rs9871600	T	C	-0.377	0.025	0.303	1.39E-50	0.005	0.018	0.764	0.057	223.609	TRUE	6.07E-48
COPD in never smokers	FBXL2	cg03418847	rs12486192	T	C	-0.291	0.027	0.267	1.51E-27	0.025	0.018	0.177	0.031	118.204	TRUE	1.68E-25
COPD in never smokers	FBXL2	cg03418847	rs72859977	T	C	-0.245	0.042	0.082	4.67E-09	0.003	0.030	0.917	0.009	34.304	TRUE	9.04E-09
COPD in never smokers	FBXL2	cg03418847	rs75701377	A	C	-0.272	0.039	0.094	2.01E-12	-0.023	0.026	0.379	0.013	49.445	TRUE	1.29E-11
COPD in never smokers	FBXL2	cg19241168	rs113606797	T	G	-0.799	0.092	0.017	5.58E-18	0.032	0.056	0.573	0.020	74.622	TRUE	4.71E-17
COPD in never smokers	FEZ2	cg01109574	rs13391939	A	G	0.171	0.025	0.423	3.24E-12	0.017	0.017	0.326	0.013	48.512	TRUE	2.27E-11
COPD in never smokers	FEZ2	cg01109574	rs13405239	G	T	-0.313	0.024	0.381	7.22E-39	-0.023	0.017	0.166	0.044	169.956	TRUE	5.48E-36
COPD in never smokers	FEZ2	cg01109574	rs848505	C	T	-0.141	0.026	0.301	3.48E-08	-0.010	0.018	0.594	0.008	30.404	TRUE	9.31E-08
COPD in never smokers	FEZ2	cg01109574	rs848621	A	G	0.217	0.026	0.318	2.09E-17	0.053	0.018	0.003	0.019	72.024	TRUE	4.37E-15
COPD in never smokers	FEZ2	cg01206211	rs10192768	T	C	0.285	0.050	0.166	1.10E-08	0.012	0.022	0.578	0.009	32.644	TRUE	3.17E-08
COPD in never smokers	FEZ2	cg01206211	rs115696505	T	G	-0.397	0.066	0.031	1.45E-09	0.056	0.050	0.266	0.010	36.578	TRUE	8.07E-09
COPD in never smokers	FEZ2	cg01206211	rs2287104	T	C	-0.708	0.024	0.272	1.17E-191	0.026	0.019	0.164	0.191	871.580	TRUE	1.58E-170
COPD in never smokers	FEZ2	cg01206211	rs2372707	T	C	-0.246	0.026	0.294	1.55E-21	0.019	0.018	0.305	0.024	90.800	TRUE	4.12E-20
COPD in never smokers	FEZ2	cg01206211	rs3770946	A	G	-0.174	0.025	0.335	3.02E-12	0.023	0.017	0.180	0.013	48.648	TRUE	3.19E-11
COPD in never smokers	FEZ2	cg01206211	rs4670563	G	A	-0.223	0.024	0.350	9.10E-20	0.032	0.017	0.062	0.022	82.752	TRUE	6.46E-18
COPD in never smokers	FEZ2	cg01206211	rs62136183	G	A	0.439	0.074	0.024	3.29E-09	0.085	0.051	0.099	0.009	34.985	TRUE	2.90E-08
COPD in never smokers	FEZ2	cg01206211	rs6733328	A	G	-0.156	0.026	0.313	2.03E-09	-0.030	0.018	0.093	0.010	35.924	TRUE	1.92E-08
COPD in never smokers	FEZ2	cg01206211	rs848548	A	C	0.211	0.026	0.283	3.98E-16	-0.016	0.018	0.390	0.018	66.209	TRUE	4.01E-15
COPD in never smokers	FEZ2	cg06634576	rs10192768	T	C	0.425	0.050	0.166	8.80E-18	0.012	0.022	0.578	0.020	73.725	TRUE	7.17E-17

COPD in never smokers	FEZ2	cg06634576	rs11124528	C	A	-0.187	0.024	0.411	1.31E-14	-0.024	0.017	0.153	0.016	59.339	TRUE	2.21E-13
COPD in never smokers	FEZ2	cg06634576	rs113399069	C	A	-0.875	0.149	0.016	4.08E-09	-0.008	0.054	0.885	0.009	34.565	TRUE	8.27E-09
COPD in never smokers	FEZ2	cg06634576	rs114378373	G	A	-0.647	0.056	0.048	2.96E-31	-0.013	0.038	0.728	0.035	135.142	TRUE	8.92E-30
COPD in never smokers	FEZ2	cg06634576	rs115696505	T	G	0.467	0.066	0.031	1.16E-12	0.056	0.050	0.266	0.013	50.527	TRUE	1.00E-11
COPD in never smokers	FEZ2	cg06634576	rs145219350	G	A	-0.847	0.092	0.017	2.39E-20	-0.100	0.070	0.154	0.023	85.392	TRUE	9.79E-19
COPD in never smokers	FEZ2	cg06634576	rs1465335	A	G	-0.172	0.024	0.423	3.51E-13	-0.013	0.017	0.416	0.014	52.874	TRUE	2.28E-12
COPD in never smokers	FEZ2	cg06634576	rs3770900	G	T	-0.313	0.024	0.416	1.53E-39	-0.002	0.017	0.900	0.045	173.038	TRUE	8.80E-38
COPD in never smokers	FEZ2	cg06634576	rs4670148	T	C	0.507	0.025	0.317	9.19E-93	0.037	0.018	0.038	0.101	417.129	TRUE	4.39E-84
COPD in never smokers	FEZ2	cg06634576	rs4670560	T	C	-0.595	0.027	0.226	1.73E-104	-0.024	0.020	0.222	0.113	470.975	TRUE	9.67E-96
COPD in never smokers	FEZ2	cg06634576	rs62136186	G	A	0.401	0.072	0.025	1.99E-08	0.041	0.048	0.386	0.008	31.485	TRUE	7.48E-08
COPD in never smokers	FEZ2	cg06634576	rs6714112	A	C	-0.287	0.033	0.149	1.01E-18	-0.049	0.024	0.041	0.021	78.006	TRUE	7.65E-17
COPD in never smokers	FEZ2	cg06634576	rs711245	A	G	-0.962	0.021	0.321	<1E-200	-0.017	0.018	0.321	0.367	2148.898	TRUE	<1E-200
COPD in never smokers	FEZ2	cg06634576	rs72785167	T	C	-0.246	0.044	0.075	2.98E-08	-0.046	0.031	0.142	0.008	30.703	TRUE	1.89E-07
COPD in never smokers	FEZ2	cg06634576	rs72795287	T	C	-0.769	0.092	0.019	4.59E-17	0.039	0.066	0.553	0.019	70.467	TRUE	3.62E-16
COPD in never smokers	FEZ2	cg06634576	rs76259623	C	T	0.384	0.041	0.080	8.11E-21	0.006	0.031	0.843	0.023	87.528	TRUE	5.47E-20
COPD in never smokers	FEZ2	cg06634576	rs848504	T	C	0.157	0.024	0.418	4.28E-11	0.003	0.017	0.853	0.012	43.457	TRUE	1.08E-10
COPD in never smokers	FEZ2	cg06634576	rs997602	G	A	-0.436	0.038	0.107	9.02E-30	-0.020	0.026	0.437	0.034	128.365	TRUE	4.98E-28
COPD in never smokers	FEZ2	cg07673538	rs1544655	G	A	0.331	0.027	0.271	5.55E-35	0.028	0.019	0.143	0.040	152.182	TRUE	2.56E-32
COPD in never smokers	FEZ2	cg07673538	rs7602835	A	G	-0.147	0.024	0.409	9.61E-10	0.031	0.017	0.061	0.010	37.382	TRUE	1.16E-08
COPD in never smokers	FEZ2	cg07673538	rs76525014	A	G	0.391	0.071	0.028	3.84E-08	0.068	0.057	0.233	0.008	30.211	TRUE	1.87E-07
COPD in never smokers	FEZ2	cg09467607	rs1017153	G	T	0.291	0.027	0.230	2.67E-26	-0.017	0.019	0.374	0.030	112.513	TRUE	1.10E-24
COPD in never smokers	FEZ2	cg09467607	rs10191126	G	A	0.144	0.025	0.323	8.52E-09	0.034	0.018	0.052	0.009	33.135	TRUE	9.17E-08
COPD in never smokers	FEZ2	cg09467607	rs111600359	C	T	-0.607	0.025	0.296	2.86E-131	0.020	0.019	0.298	0.138	594.011	TRUE	1.32E-119
COPD in never smokers	FEZ2	cg09467607	rs145219350	G	A	0.538	0.092	0.017	4.96E-09	-0.100	0.070	0.154	0.009	34.188	TRUE	3.44E-08
COPD in never smokers	FEZ2	cg09467607	rs17480531	T	G	0.419	0.060	0.041	3.33E-12	-0.034	0.042	0.414	0.013	48.460	TRUE	1.92E-11
COPD in never smokers	FEZ2	cg09467607	rs1861392	G	A	0.287	0.033	0.149	2.00E-18	-0.050	0.024	0.036	0.020	76.646	TRUE	1.57E-16
COPD in never smokers	FEZ2	cg09467607	rs2110881	C	T	-0.315	0.040	0.102	1.65E-15	0.043	0.027	0.117	0.017	63.405	TRUE	3.83E-14
COPD in never smokers	FEZ2	cg09467607	rs2372694	G	A	0.294	0.026	0.299	3.24E-30	-0.021	0.018	0.240	0.034	130.398	TRUE	3.97E-28
COPD in never smokers	FEZ2	cg09467607	rs3732075	A	G	0.202	0.027	0.250	5.83E-14	-0.016	0.019	0.417	0.015	56.399	TRUE	4.18E-13
COPD in never smokers	FEZ2	cg09467607	rs3770946	A	G	-0.283	0.025	0.335	3.82E-30	0.023	0.017	0.180	0.034	130.070	TRUE	6.30E-28
COPD in never smokers	FEZ2	cg09467607	rs75597083	A	G	0.363	0.043	0.082	4.17E-17	0.000	0.029	0.990	0.019	70.657	TRUE	1.47E-16
COPD in never smokers	FEZ2	cg09467607	rs848548	A	C	0.343	0.026	0.283	1.09E-40	-0.016	0.018	0.390	0.046	178.290	TRUE	3.62E-38
COPD in never smokers	FEZ2	cg09467607	rs882842	C	A	0.425	0.070	0.030	1.35E-09	0.004	0.051	0.936	0.010	36.721	TRUE	2.67E-09
COPD in never smokers	FEZ2	cg09467607	rs997602	G	A	0.243	0.039	0.107	3.52E-10	-0.020	0.026	0.437	0.011	39.341	TRUE	1.51E-09
COPD in never smokers	FEZ2	cg10546459	rs10084382	T	C	0.307	0.026	0.312	2.81E-33	-0.034	0.018	0.059	0.038	144.387	TRUE	2.22E-30
COPD in never smokers	FEZ2	cg10546459	rs10191126	G	A	0.284	0.025	0.323	3.05E-30	0.034	0.018	0.052	0.034	130.518	TRUE	1.54E-27
COPD in never smokers	FEZ2	cg10546459	rs112164165	G	T	0.513	0.092	0.018	2.66E-08	0.160	0.056	0.004	0.008	30.924	TRUE	5.85E-07
COPD in never smokers	FEZ2	cg10546459	rs114882057	G	A	-0.488	0.079	0.022	7.42E-10	0.100	0.049	0.044	0.010	37.885	TRUE	1.05E-08
COPD in never smokers	FEZ2	cg10546459	rs115545989	T	G	0.528	0.032	0.153	2.41E-59	-0.017	0.023	0.456	0.067	263.770	TRUE	1.45E-55
COPD in never smokers	FEZ2	cg10546459	rs115696505	T	G	-0.656	0.065	0.031	9.73E-24	0.056	0.050	0.266	0.027	100.833	TRUE	4.07E-22
COPD in never smokers	FEZ2	cg10546459	rs11678226	C	T	-0.916	0.021	0.303	<1E-200	0.020	0.018	0.269	0.340	1905.014	TRUE	<1E-200
COPD in never smokers	FEZ2	cg10546459	rs13417363	A	G	0.162	0.030	0.187	3.84E-08	0.018	0.021	0.382	0.008	30.212	TRUE	1.40E-07

COPD in never smokers	FEZ2	cg10546459	rs17479952	A	G	0.438	0.078	0.022	1.95E-08	0.002	0.052	0.964	0.008	31.529	TRUE	3.38E-08
COPD in never smokers	FEZ2	cg10546459	rs2372707	T	C	-0.344	0.026	0.294	8.39E-41	0.019	0.018	0.305	0.046	178.812	TRUE	4.07E-38
COPD in never smokers	FEZ2	cg10546459	rs3770929	A	G	0.328	0.024	0.409	1.17E-43	-0.017	0.017	0.310	0.049	191.894	TRUE	8.83E-41
COPD in never smokers	FEZ2	cg10546459	rs4670563	G	A	-0.307	0.024	0.350	3.10E-36	0.032	0.017	0.062	0.041	157.910	TRUE	3.96E-33
COPD in never smokers	FEZ2	cg10546459	rs62136186	G	A	0.462	0.071	0.025	1.01E-10	0.041	0.048	0.386	0.011	41.787	TRUE	5.09E-10
COPD in never smokers	FEZ2	cg10546459	rs6710384	C	A	0.317	0.034	0.136	1.22E-20	-0.043	0.025	0.084	0.023	86.715	TRUE	8.25E-19
COPD in never smokers	FEZ2	cg10546459	rs68111809	C	T	-0.536	0.081	0.019	4.57E-11	-0.127	0.062	0.039	0.012	43.329	TRUE	8.61E-10
COPD in never smokers	FEZ2	cg10546459	rs72787263	A	C	-0.402	0.042	0.088	6.48E-22	-0.022	0.029	0.456	0.024	92.527	TRUE	1.17E-20
COPD in never smokers	FEZ2	cg10546459	rs76259623	C	T	-0.482	0.041	0.080	4.99E-32	0.006	0.031	0.843	0.036	138.676	TRUE	1.24E-30
COPD in never smokers	FEZ2	cg10546459	rs848505	C	T	0.303	0.026	0.301	1.67E-32	-0.010	0.018	0.594	0.037	140.846	TRUE	8.48E-31
COPD in never smokers	FEZ2	cg10546459	rs848555	T	G	0.275	0.026	0.266	1.57E-25	-0.020	0.019	0.282	0.029	109.002	TRUE	8.03E-24
COPD in never smokers	FEZ2	cg10546459	rs882842	C	A	0.443	0.070	0.030	2.67E-10	0.004	0.051	0.936	0.011	39.880	TRUE	5.60E-10
COPD in never smokers	FEZ2	cg11324054	rs13013664	A	C	0.218	0.025	0.323	1.70E-18	-0.009	0.017	0.604	0.020	76.968	TRUE	1.43E-17
COPD in never smokers	FEZ2	cg15105969	rs10191126	G	A	0.271	0.025	0.323	1.16E-27	0.034	0.018	0.052	0.031	118.733	TRUE	3.71E-25
COPD in never smokers	FEZ2	cg15105969	rs10192768	T	C	0.334	0.050	0.166	2.04E-11	0.012	0.022	0.578	0.012	44.908	TRUE	8.01E-11
COPD in never smokers	FEZ2	cg15105969	rs115696505	T	G	-0.636	0.065	0.031	2.23E-22	0.056	0.050	0.266	0.025	94.638	TRUE	7.64E-21
COPD in never smokers	FEZ2	cg15105969	rs11678226	C	T	-0.864	0.023	0.303	<1E-200	0.020	0.018	0.269	0.283	1462.909	TRUE	1.89E-274
COPD in never smokers	FEZ2	cg15105969	rs13417363	A	G	0.178	0.030	0.187	1.51E-09	0.018	0.021	0.382	0.010	36.505	TRUE	6.59E-09
COPD in never smokers	FEZ2	cg15105969	rs17479952	A	G	0.452	0.078	0.022	6.47E-09	0.002	0.052	0.964	0.009	33.669	TRUE	1.17E-08
COPD in never smokers	FEZ2	cg15105969	rs2372707	T	C	-0.345	0.026	0.294	5.46E-41	0.019	0.018	0.305	0.046	179.665	TRUE	2.73E-38
COPD in never smokers	FEZ2	cg15105969	rs3770929	A	G	0.309	0.024	0.409	4.47E-39	-0.017	0.017	0.310	0.044	170.912	TRUE	1.60E-36
COPD in never smokers	FEZ2	cg15105969	rs4670563	G	A	-0.335	0.024	0.350	7.02E-43	0.032	0.017	0.062	0.048	188.322	TRUE	3.05E-39
COPD in never smokers	FEZ2	cg15105969	rs540730021	G	A	0.563	0.073	0.027	1.53E-14	-0.005	0.051	0.924	0.016	59.029	TRUE	4.75E-14
COPD in never smokers	FEZ2	cg15105969	rs60512518	G	A	0.142	0.026	0.306	3.34E-08	-0.016	0.018	0.370	0.008	30.480	TRUE	1.25E-07
COPD in never smokers	FEZ2	cg15105969	rs62134623	G	A	-0.316	0.045	0.072	2.50E-12	0.027	0.031	0.384	0.013	49.023	TRUE	1.56E-11
COPD in never smokers	FEZ2	cg15105969	rs62136179	G	A	-0.622	0.105	0.010	3.52E-09	0.085	0.074	0.249	0.009	34.856	TRUE	1.92E-08
COPD in never smokers	FEZ2	cg15105969	rs62136186	G	A	0.397	0.072	0.025	2.81E-08	0.041	0.048	0.386	0.008	30.819	TRUE	1.03E-07
COPD in never smokers	FEZ2	cg15105969	rs711245	A	G	0.441	0.025	0.321	7.81E-69	-0.017	0.018	0.321	0.077	307.294	TRUE	5.74E-64
COPD in never smokers	FEZ2	cg15105969	rs72787263	A	C	-0.322	0.042	0.088	1.65E-14	-0.022	0.029	0.456	0.016	58.882	TRUE	1.17E-13
COPD in never smokers	FEZ2	cg15105969	rs76259623	C	T	-0.482	0.041	0.080	5.36E-32	0.006	0.031	0.843	0.036	138.534	TRUE	1.33E-30
COPD in never smokers	FEZ2	cg15105969	rs848505	C	T	0.260	0.026	0.301	3.13E-24	-0.010	0.018	0.594	0.027	103.081	TRUE	5.37E-23
COPD in never smokers	FEZ2	cg15105969	rs848555	T	G	0.304	0.026	0.266	6.97E-31	-0.020	0.019	0.282	0.035	133.445	TRUE	7.88E-29
COPD in never smokers	FEZ2	cg15105969	rs997602	G	A	0.269	0.039	0.107	3.46E-12	-0.020	0.026	0.437	0.013	48.381	TRUE	1.91E-11
COPD in never smokers	FEZ2	cg24860371	rs11693359	T	C	-0.191	0.025	0.359	7.69E-15	-0.031	0.017	0.076	0.016	60.380	TRUE	2.07E-13
COPD in never smokers	FGF10	cg16536718	rs969520	T	G	0.216	0.029	0.188	5.54E-14	-0.037	0.021	0.071	0.015	56.497	TRUE	1.34E-12
COPD in never smokers	FHIT	cg01556706	rs73092688	C	T	0.281	0.038	0.113	1.56E-13	0.002	0.026	0.924	0.015	54.463	TRUE	4.43E-13
COPD in never smokers	FHIT	cg03060986	rs12498046	G	T	-0.177	0.024	0.458	4.76E-14	0.038	0.017	0.022	0.015	56.795	TRUE	2.11E-12
COPD in never smokers	FHIT	cg05645292	rs1683354	G	A	0.282	0.030	0.207	6.67E-21	-0.009	0.021	0.665	0.023	87.915	TRUE	6.54E-20
COPD in never smokers	FHIT	cg05645292	rs56102180	T	C	0.983	0.083	0.021	1.38E-32	-0.005	0.055	0.930	0.037	141.231	TRUE	2.97E-31
COPD in never smokers	FHIT	cg05645292	rs6803290	T	C	-0.136	0.024	0.434	1.07E-08	-0.019	0.017	0.249	0.009	32.701	TRUE	5.42E-08
COPD in never smokers	FHIT	cg05645292	rs812965	T	C	0.196	0.030	0.195	3.37E-11	0.004	0.021	0.828	0.012	43.923	TRUE	8.90E-11
COPD in never smokers	FHIT	cg08195983	rs143323240	T	C	0.497	0.058	0.041	7.27E-18	0.080	0.039	0.040	0.020	74.101	TRUE	4.82E-16

COPD in never smokers	FHIT	cg08223225	rs13066622	C	T	-0.272	0.028	0.227	3.33E-22	-0.005	0.019	0.799	0.025	93.842	TRUE	2.86E-21
COPD in never smokers	FHIT	cg14147855	rs6446175	T	C	-0.343	0.028	0.219	2.72E-34	0.009	0.020	0.644	0.039	149.027	TRUE	1.53E-32
COPD in never smokers	FHIT	cg14147855	rs9879276	A	G	-0.353	0.025	0.312	7.78E-45	-0.011	0.018	0.562	0.051	197.275	TRUE	2.66E-42
COPD in never smokers	FHIT	cg16140565	rs115318229	T	C	0.468	0.080	0.020	4.55E-09	-0.041	0.059	0.486	0.009	34.355	TRUE	1.58E-08
COPD in never smokers	FHIT	cg16140565	rs115524555	C	T	-0.505	0.024	0.364	4.81E-100	0.030	0.017	0.083	0.109	450.566	TRUE	4.91E-91
COPD in never smokers	FHIT	cg16140565	rs13099360	G	A	0.561	0.059	0.048	1.46E-21	0.008	0.046	0.870	0.024	90.917	TRUE	1.01E-20
COPD in never smokers	FHIT	cg16140565	rs151743	T	C	-0.197	0.033	0.430	1.44E-09	0.005	0.018	0.792	0.010	36.596	TRUE	3.42E-09
COPD in never smokers	FHIT	cg16140565	rs17063095	C	A	0.645	0.038	0.111	8.47E-66	0.001	0.026	0.963	0.073	293.369	TRUE	2.46E-62
COPD in never smokers	FHIT	cg16140565	rs242201	G	A	-0.381	0.040	0.090	3.12E-21	-0.052	0.031	0.097	0.024	89.417	TRUE	2.09E-19
COPD in never smokers	FHIT	cg16140565	rs242219	T	C	-0.349	0.034	0.481	1.74E-24	0.004	0.019	0.851	0.027	104.243	TRUE	1.73E-23
COPD in never smokers	FHIT	cg16140565	rs2736824	T	C	0.431	0.074	0.060	5.79E-09	0.036	0.034	0.283	0.009	33.886	TRUE	2.84E-08
COPD in never smokers	FHIT	cg16140565	rs409484	G	A	1.029	0.022	0.498	<1E-200	-0.003	0.017	0.852	0.362	2099.301	TRUE	<1E-200
COPD in never smokers	FHIT	cg16140565	rs423336	T	G	0.590	0.039	0.099	2.69E-52	0.010	0.027	0.696	0.059	231.458	TRUE	1.94E-49
COPD in never smokers	FHIT	cg16140565	rs6795869	G	A	0.508	0.046	0.067	2.59E-28	-0.020	0.033	0.546	0.032	121.704	TRUE	8.53E-27
COPD in never smokers	FHIT	cg16140565	rs77800664	C	T	0.532	0.084	0.037	2.34E-10	-0.066	0.050	0.186	0.011	40.139	TRUE	1.81E-09
COPD in never smokers	FHIT	cg16140565	rs965033	C	T	0.176	0.032	0.379	3.98E-08	0.038	0.017	0.025	0.008	30.144	TRUE	4.89E-07
COPD in never smokers	FHIT	cg16140565	rs9849856	G	A	0.158	0.024	0.494	3.16E-11	-0.017	0.017	0.299	0.012	44.049	TRUE	2.06E-10
COPD in never smokers	FHIT	cg16806041	rs1038516	G	A	0.200	0.031	0.172	6.81E-11	-0.005	0.022	0.802	0.011	42.550	TRUE	1.81E-10
COPD in never smokers	FHIT	cg16806041	rs78179214	G	A	0.693	0.088	0.017	3.46E-15	-0.124	0.067	0.062	0.016	61.953	TRUE	1.11E-13
COPD in never smokers	FHIT	cg17087356	rs6801469	T	G	0.162	0.028	0.241	4.75E-09	-0.006	0.019	0.770	0.009	34.270	TRUE	1.11E-08
COPD in never smokers	FHIT	cg17573813	rs11712250	G	A	0.342	0.047	0.143	2.57E-13	0.047	0.025	0.061	0.014	53.480	TRUE	5.98E-12
COPD in never smokers	FHIT	cg17573813	rs199743650	T	C	0.403	0.033	0.146	6.59E-35	0.026	0.024	0.274	0.039	151.839	TRUE	1.44E-32
COPD in never smokers	FHIT	cg17573813	rs59166923	T	C	-0.338	0.034	0.140	1.13E-23	-0.035	0.023	0.133	0.026	100.530	TRUE	8.83E-22
COPD in never smokers	FHIT	cg17573813	rs60695685	C	T	1.094	0.072	0.024	1.23E-52	-0.008	0.053	0.873	0.059	233.018	TRUE	5.27E-50
COPD in never smokers	FHIT	cg17573813	rs6445195	G	A	0.215	0.028	0.221	1.85E-14	0.026	0.020	0.195	0.016	58.651	TRUE	2.59E-13
COPD in never smokers	FHIT	cg17573813	rs7609667	T	G	0.184	0.026	0.303	1.84E-12	0.022	0.018	0.220	0.013	49.622	TRUE	1.76E-11
COPD in never smokers	FHIT	cg17573813	rs9839707	T	C	1.764	0.049	0.048	1.92E-282	0.082	0.037	0.026	0.258	1289.038	TRUE	3.30E-242
COPD in never smokers	FHIT	cg21541638	rs13099397	C	A	-0.142	0.024	0.496	2.43E-09	0.016	0.017	0.345	0.010	35.572	TRUE	1.11E-08
COPD in never smokers	FHIT	cg23222057	rs1905864	G	A	-0.149	0.025	0.330	4.17E-09	0.003	0.018	0.886	0.009	34.522	TRUE	8.43E-09
COPD in never smokers	FHIT	cg24504954	rs1851784	C	T	-0.323	0.053	0.047	1.38E-09	0.094	0.037	0.011	0.010	36.674	TRUE	3.12E-08
COPD in never smokers	FHIT	cg25736251	rs1125285	A	G	0.225	0.031	0.167	1.55E-13	0.015	0.022	0.476	0.015	54.479	TRUE	9.34E-13
COPD in never smokers	FHIT	cg25921543	rs212032	A	G	0.176	0.024	0.442	1.21E-13	-0.045	0.017	0.007	0.015	54.967	TRUE	7.83E-12
COPD in never smokers	FHIT	cg27254860	rs17254574	A	G	-0.250	0.036	0.120	3.89E-12	-0.046	0.025	0.065	0.013	48.156	TRUE	7.11E-11
COPD in never smokers	FLJ23867	cg07603239	rs12069743	A	G	-0.477	0.074	0.025	1.46E-10	-0.045	0.058	0.435	0.011	41.061	TRUE	6.60E-10
COPD in never smokers	FLJ23867	cg07603239	rs3753801	G	A	-0.159	0.027	0.241	3.94E-09	0.045	0.019	0.020	0.009	34.632	TRUE	6.53E-08
COPD in never smokers	FLJ23867	cg07603239	rs627897	G	A	-0.334	0.053	0.051	3.20E-10	-0.080	0.040	0.046	0.011	39.530	TRUE	4.79E-09
COPD in never smokers	FLJ23867	cg07603239	rs7542624	G	A	-0.225	0.038	0.217	4.71E-09	-0.021	0.020	0.294	0.009	34.289	TRUE	2.29E-08
COPD in never smokers	FLJ23867	cg07603239	rs7597	T	C	-0.828	0.047	0.059	2.78E-68	-0.031	0.037	0.398	0.076	304.763	TRUE	1.21E-63
COPD in never smokers	GALC	cg04738877	rs1745639	T	C	-0.252	0.023	0.473	4.10E-27	0.036	0.017	0.033	0.030	116.229	TRUE	1.64E-24
COPD in never smokers	GALC	cg04738877	rs182223049	A	G	0.677	0.098	0.016	4.47E-12	0.033	0.077	0.667	0.013	47.883	TRUE	1.63E-11
COPD in never smokers	GALC	cg04738877	rs2401717	A	G	-0.212	0.023	0.470	1.04E-19	0.020	0.016	0.216	0.022	82.485	TRUE	2.93E-18
COPD in never smokers	GALC	cg04738877	rs4904432	T	C	0.298	0.036	0.119	7.10E-17	0.017	0.025	0.485	0.018	69.608	TRUE	6.32E-16

COPD in never smokers	GALC	cg04738877	rs8007714	T	C	-0.405	0.047	0.073	3.87E-18	-0.030	0.031	0.333	0.020	75.346	TRUE	5.90E-17
COPD in never smokers	GALC	cg20583141	rs10483986	C	T	-0.333	0.027	0.221	7.20E-34	-0.011	0.020	0.565	0.038	147.092	TRUE	4.80E-32
COPD in never smokers	GALC	cg20583141	rs111958806	C	T	-0.863	0.119	0.019	4.72E-13	0.064	0.059	0.274	0.014	52.288	TRUE	4.22E-12
COPD in never smokers	GALC	cg20583141	rs1155899	G	A	-0.497	0.081	0.022	9.86E-10	-0.111	0.056	0.048	0.010	37.332	TRUE	1.32E-08
COPD in never smokers	GALC	cg20583141	rs11628844	A	G	-0.478	0.035	0.119	1.35E-41	0.017	0.025	0.493	0.047	182.442	TRUE	3.54E-39
COPD in never smokers	GALC	cg20583141	rs17124163	A	G	-0.222	0.026	0.283	1.32E-17	-0.011	0.018	0.548	0.019	72.932	TRUE	1.12E-16
COPD in never smokers	GALC	cg20583141	rs182223049	A	G	-0.936	0.097	0.016	6.70E-22	0.033	0.077	0.667	0.024	92.460	TRUE	7.34E-21
COPD in never smokers	GALC	cg20583141	rs3213916	A	G	0.339	0.024	0.369	1.25E-45	-0.029	0.017	0.100	0.052	200.907	TRUE	5.57E-42
COPD in never smokers	GALC	cg20583141	rs440765	C	A	0.191	0.024	0.351	4.09E-15	0.013	0.017	0.440	0.016	61.623	TRUE	3.23E-14
COPD in never smokers	GALC	cg20583141	rs56881507	A	G	-0.815	0.148	0.011	3.83E-08	-0.020	0.083	0.807	0.008	30.218	TRUE	7.82E-08
COPD in never smokers	GALC	cg20583141	rs7147066	G	A	-0.155	0.026	0.278	2.37E-09	0.001	0.018	0.963	0.010	35.627	TRUE	4.43E-09
COPD in never smokers	GALC	cg20583141	rs77593588	G	A	-1.167	0.025	0.155	<1E-200	-0.022	0.023	0.327	0.368	2149.500	TRUE	<1E-200
COPD in never smokers	GALC	cg24058132	rs10483986	C	T	0.308	0.028	0.221	6.65E-29	-0.011	0.020	0.565	0.033	124.400	TRUE	2.25E-27
COPD in never smokers	GALC	cg24058132	rs111958806	C	T	0.699	0.120	0.019	5.63E-09	0.064	0.059	0.274	0.009	33.940	TRUE	2.82E-08
COPD in never smokers	GALC	cg24058132	rs11621530	A	G	-0.335	0.024	0.366	1.39E-44	-0.028	0.017	0.104	0.050	196.123	TRUE	4.87E-41
COPD in never smokers	GALC	cg24058132	rs17124163	A	G	0.197	0.026	0.283	4.31E-14	-0.011	0.018	0.548	0.015	56.991	TRUE	2.42E-13
COPD in never smokers	GALC	cg24058132	rs182223049	A	G	0.922	0.098	0.016	3.56E-21	0.033	0.077	0.667	0.024	89.154	TRUE	3.59E-20
COPD in never smokers	GALC	cg24058132	rs2755077	T	G	-0.186	0.032	0.165	8.07E-09	0.017	0.022	0.434	0.009	33.241	TRUE	2.94E-08
COPD in never smokers	GALC	cg24058132	rs440765	C	A	-0.138	0.024	0.351	1.62E-08	0.013	0.017	0.440	0.009	31.881	TRUE	5.64E-08
COPD in never smokers	GALC	cg24058132	rs4904431	G	A	0.480	0.035	0.120	4.41E-42	0.017	0.025	0.485	0.048	184.669	TRUE	1.28E-39
COPD in never smokers	GALC	cg24058132	rs78187751	T	C	1.030	0.028	0.153	3.08E-300	-0.019	0.023	0.398	0.270	1370.882	TRUE	1.48E-259
COPD in never smokers	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	0.056	0.030	0.063	0.008	30.032	TRUE	3.68E-07
COPD in never smokers	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	0.020	0.019	0.283	0.009	32.422	TRUE	5.75E-08
COPD in never smokers	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	0.142	0.048	0.003	0.011	42.684	TRUE	2.97E-09
COPD in never smokers	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	-0.040	0.016	0.014	0.013	48.719	TRUE	1.06E-10
COPD in never smokers	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	0.046	0.028	0.104	0.073	291.545	TRUE	4.50E-60
COPD in never smokers	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	0.037	0.017	0.024	0.008	30.384	TRUE	4.42E-07
COPD in never smokers	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	0.001	0.025	0.970	0.009	35.350	TRUE	5.04E-09
COPD in never smokers	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	-0.006	0.022	0.791	0.012	46.222	TRUE	3.05E-11
COPD in never smokers	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	0.007	0.018	0.691	0.020	73.634	TRUE	5.99E-17
COPD in never smokers	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	-0.004	0.021	0.838	0.021	81.272	TRUE	1.13E-18
COPD in never smokers	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	-0.027	0.019	0.157	0.024	92.119	TRUE	4.03E-20
COPD in never smokers	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	0.021	0.017	0.202	0.017	64.427	TRUE	1.62E-14
COPD in never smokers	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	-0.024	0.017	0.165	0.013	49.592	TRUE	2.15E-11
COPD in never smokers	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	0.036	0.028	0.202	0.010	35.790	TRUE	1.38E-08
COPD in never smokers	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	-0.016	0.024	0.502	0.019	71.662	TRUE	2.27E-16
COPD in never smokers	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	-0.035	0.020	0.089	0.011	40.186	TRUE	2.61E-09
COPD in never smokers	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	-0.055	0.017	0.001	0.093	378.746	TRUE	3.82E-75
COPD in never smokers	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	0.020	0.019	0.283	0.016	60.757	TRUE	7.18E-14
COPD in never smokers	GATA4	cg12395012	rs11782805	T	C	-0.358	0.058	0.058	8.67E-10	0.007	0.039	0.865	0.010	37.584	TRUE	1.91E-09
COPD in never smokers	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	-0.018	0.017	0.273	0.030	115.655	TRUE	3.59E-25
COPD in never smokers	GATA4	cg12395012	rs12547653	A	C	0.254	0.028	0.266	1.54E-19	-0.040	0.036	0.262	0.022	81.705	TRUE	3.57E-18

COPD in never smokers	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	-0.030	0.020	0.136	0.037	144.038	TRUE	1.20E-30
COPD in never smokers	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	-0.011	0.022	0.611	0.060	236.695	TRUE	2.26E-50
COPD in never smokers	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	-0.010	0.020	0.591	0.036	139.849	TRUE	1.37E-30
COPD in never smokers	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	0.036	0.018	0.047	0.034	129.571	TRUE	2.58E-27
COPD in never smokers	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	-0.031	0.017	0.059	0.012	45.010	TRUE	3.25E-10
COPD in never smokers	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.043	0.022	0.057	0.022	82.740	TRUE	6.87E-18
COPD in never smokers	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	0.006	0.018	0.730	0.023	88.204	TRUE	4.96E-20
COPD in never smokers	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	-0.041	0.017	0.013	0.378	2251.154	TRUE	<1E-200
COPD in never smokers	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	0.012	0.054	0.828	0.008	30.198	TRUE	7.71E-08
COPD in never smokers	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	0.014	0.028	0.611	0.016	58.439	TRUE	1.07E-13
COPD in never smokers	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	0.027	0.017	0.108	0.020	74.471	TRUE	2.20E-16
COPD in never smokers	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	0.020	0.026	0.423	0.011	39.772	TRUE	1.26E-09
COPD in never smokers	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	0.035	0.021	0.093	0.026	99.007	TRUE	2.41E-21
COPD in never smokers	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	-0.053	0.033	0.110	0.018	66.474	TRUE	9.38E-15
COPD in never smokers	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	0.025	0.033	0.457	0.014	50.905	TRUE	5.43E-12
COPD in never smokers	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.014	0.027	0.594	0.015	57.079	TRUE	2.13E-13
COPD in never smokers	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	0.037	0.044	0.410	0.011	40.146	TRUE	1.08E-09
COPD in never smokers	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.013	0.023	0.573	0.018	69.634	TRUE	5.18E-16
COPD in never smokers	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	-0.023	0.017	0.171	0.013	48.249	TRUE	3.99E-11
COPD in never smokers	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	-0.004	0.021	0.838	0.037	142.044	TRUE	2.53E-31
COPD in never smokers	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	-0.045	0.022	0.045	0.039	152.064	TRUE	7.90E-32
COPD in never smokers	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.002	0.020	0.909	0.009	32.887	TRUE	1.84E-08
COPD in never smokers	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	-0.042	0.032	0.189	0.008	30.231	TRUE	2.06E-07
COPD in never smokers	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.021	0.019	0.271	0.055	213.953	TRUE	3.73E-45
COPD in never smokers	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	-0.037	0.022	0.086	0.010	38.537	TRUE	5.79E-09
COPD in never smokers	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	0.049	0.017	0.004	0.013	48.501	TRUE	1.86E-10
COPD in never smokers	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	-0.019	0.018	0.277	0.037	141.186	TRUE	2.10E-30
COPD in never smokers	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	-0.041	0.017	0.013	0.017	64.131	TRUE	8.65E-14
COPD in never smokers	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	0.001	0.041	0.980	0.009	34.801	TRUE	6.53E-09
COPD in never smokers	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	-0.033	0.036	0.359	0.009	32.326	TRUE	5.21E-08
COPD in never smokers	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	0.060	0.038	0.111	0.008	29.788	TRUE	3.26E-07
COPD in never smokers	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	-0.025	0.022	0.245	0.012	45.412	TRUE	1.23E-10
COPD in never smokers	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	0.023	0.036	0.515	0.023	86.920	TRUE	1.47E-19
COPD in never smokers	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	0.013	0.017	0.442	0.011	42.187	TRUE	3.78E-10
COPD in never smokers	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	0.060	0.021	0.004	0.013	49.055	TRUE	1.45E-10
COPD in never smokers	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	0.018	0.024	0.453	0.023	85.330	TRUE	3.65E-19
COPD in never smokers	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	-0.035	0.017	0.042	0.013	48.665	TRUE	6.90E-11
COPD in never smokers	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.017	0.027	0.516	0.010	35.815	TRUE	7.39E-09
COPD in never smokers	GATA4	cg13293535	rs17808884	C	A	-0.184	0.032	0.182	1.11E-08	0.015	0.021	0.492	0.009	32.618	TRUE	3.64E-08
COPD in never smokers	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	-0.025	0.017	0.134	0.012	45.548	TRUE	1.66E-10
COPD in never smokers	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	-0.027	0.021	0.191	0.009	34.592	TRUE	2.53E-08
COPD in never smokers	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	-0.022	0.017	0.209	0.014	52.700	TRUE	4.20E-12

COPD in never smokers	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	0.025	0.019	0.174	0.011	41.898	TRUE	8.14E-10
COPD in never smokers	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	0.038	0.017	0.029	0.013	50.455	TRUE	3.54E-11
COPD in never smokers	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	0.015	0.030	0.609	0.009	32.861	TRUE	2.73E-08
COPD in never smokers	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	0.021	0.017	0.202	0.100	412.571	TRUE	2.54E-84
COPD in never smokers	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	-0.024	0.017	0.165	0.017	62.753	TRUE	4.15E-14
COPD in never smokers	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	-0.038	0.019	0.044	0.009	34.832	TRUE	4.43E-08
COPD in never smokers	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	0.038	0.031	0.212	0.023	85.529	TRUE	7.02E-19
COPD in never smokers	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	-0.019	0.018	0.277	0.008	31.710	TRUE	8.21E-08
COPD in never smokers	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	0.034	0.032	0.282	0.017	62.917	TRUE	2.57E-14
COPD in never smokers	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	-0.034	0.019	0.075	0.019	70.206	TRUE	2.06E-15
COPD in never smokers	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	0.018	0.024	0.462	0.010	36.804	TRUE	4.97E-09
COPD in never smokers	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	0.014	0.017	0.404	0.136	581.132	TRUE	1.68E-117
COPD in never smokers	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	0.059	0.019	0.002	0.029	109.872	TRUE	1.56E-22
COPD in never smokers	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	0.020	0.019	0.283	0.010	37.048	TRUE	6.19E-09
COPD in never smokers	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	-0.020	0.018	0.275	0.020	73.921	TRUE	1.39E-16
COPD in never smokers	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	-0.027	0.018	0.135	0.015	57.528	TRUE	5.63E-13
COPD in never smokers	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	-0.008	0.017	0.622	0.010	37.183	TRUE	3.23E-09
COPD in never smokers	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	-0.031	0.019	0.116	0.019	70.635	TRUE	1.27E-15
COPD in never smokers	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	-0.050	0.022	0.021	0.011	40.029	TRUE	5.22E-09
COPD in never smokers	GATA4	cg16810626	rs17808884	C	A	0.247	0.032	0.182	1.51E-14	0.015	0.021	0.492	0.016	59.058	TRUE	9.96E-14
COPD in never smokers	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	0.012	0.022	0.581	0.008	29.970	TRUE	1.17E-07
COPD in never smokers	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	0.017	0.017	0.329	0.013	50.398	TRUE	9.09E-12
COPD in never smokers	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	0.031	0.019	0.114	0.016	60.009	TRUE	1.94E-13
COPD in never smokers	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	0.025	0.019	0.174	0.010	36.247	TRUE	1.21E-08
COPD in never smokers	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	-0.036	0.019	0.061	0.012	44.473	TRUE	4.14E-10
COPD in never smokers	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	0.000	0.017	0.997	0.013	46.883	TRUE	1.63E-11
COPD in never smokers	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	-0.046	0.018	0.009	0.018	68.221	TRUE	1.56E-14
COPD in never smokers	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	-0.047	0.020	0.018	0.015	57.157	TRUE	1.93E-12
COPD in never smokers	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	0.056	0.030	0.063	0.009	33.368	TRUE	7.62E-08
COPD in never smokers	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	-0.016	0.024	0.502	0.033	127.799	TRUE	5.34E-28
COPD in never smokers	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	-0.045	0.017	0.009	0.016	58.439	TRUE	1.41E-12
COPD in never smokers	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	0.046	0.028	0.102	0.017	63.574	TRUE	3.88E-14
COPD in never smokers	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	0.023	0.017	0.179	0.010	38.738	TRUE	3.62E-09
COPD in never smokers	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	0.044	0.029	0.123	0.025	93.890	TRUE	2.14E-20
COPD in never smokers	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	-0.076	0.053	0.153	0.008	31.014	TRUE	1.57E-07
COPD in never smokers	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	0.031	0.026	0.236	0.015	56.164	TRUE	7.40E-13
COPD in never smokers	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	-0.010	0.032	0.755	0.012	43.321	TRUE	1.33E-10
COPD in never smokers	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	-0.006	0.017	0.723	0.009	34.839	TRUE	8.89E-09
COPD in never smokers	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	0.037	0.029	0.202	0.023	85.679	TRUE	6.84E-19
COPD in never smokers	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	-0.025	0.020	0.212	0.008	29.771	TRUE	2.42E-07
COPD in never smokers	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	0.011	0.021	0.608	0.011	40.308	TRUE	7.17E-10
COPD in never smokers	GATA4	cg23916205	rs73209087	A	C	0.319	0.054	0.056	2.83E-09	0.024	0.034	0.491	0.009	35.281	TRUE	9.96E-09

COPD in never smokers	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	-0.025	0.018	0.166	0.009	33.868	TRUE	3.86E-08
COPD in never smokers	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.021	0.019	0.271	0.020	75.680	TRUE	6.07E-17
COPD in never smokers	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	-0.032	0.016	0.049	0.118	496.104	TRUE	1.96E-99
COPD in never smokers	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	0.000	0.022	0.997	0.013	48.672	TRUE	6.78E-12
COPD in never smokers	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	0.036	0.017	0.037	0.014	51.402	TRUE	2.04E-11
COPD in never smokers	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	0.033	0.017	0.047	0.034	131.293	TRUE	1.17E-27
COPD in never smokers	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	-0.051	0.020	0.011	0.010	37.232	TRUE	2.37E-08
COPD in never smokers	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	-0.045	0.018	0.015	0.012	45.839	TRUE	3.97E-10
COPD in never smokers	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	0.013	0.020	0.504	0.009	32.265	TRUE	4.25E-08
COPD in never smokers	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	-0.030	0.017	0.078	0.014	51.868	TRUE	1.12E-11
COPD in never smokers	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	0.023	0.018	0.208	0.014	52.429	TRUE	4.79E-12
COPD in never smokers	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	0.000	0.017	0.989	0.011	39.564	TRUE	6.11E-10
COPD in never smokers	GATA4	cg23972785	rs62492465	T	G	-0.277	0.040	0.321	6.84E-12	0.036	0.018	0.049	0.013	47.046	TRUE	1.36E-10
COPD in never smokers	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	0.058	0.020	0.005	0.013	49.878	TRUE	9.42E-11
COPD in never smokers	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	-0.006	0.022	0.791	0.021	80.057	TRUE	2.23E-18
COPD in never smokers	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	0.007	0.018	0.691	0.021	77.680	TRUE	8.52E-18
COPD in never smokers	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	-0.004	0.021	0.838	0.023	87.101	TRUE	6.79E-20
COPD in never smokers	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	-0.058	0.017	6.58E-04	0.010	35.513	TRUE	1.17E-07
COPD in never smokers	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	-0.027	0.019	0.157	0.035	134.159	TRUE	1.06E-28
COPD in never smokers	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	-0.009	0.018	0.620	0.029	109.329	TRUE	2.56E-24
COPD in never smokers	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	-0.027	0.017	0.112	0.009	34.283	TRUE	3.83E-08
COPD in never smokers	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	-0.028	0.017	0.101	0.022	83.004	TRUE	4.13E-18
COPD in never smokers	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	0.100	0.071	0.158	0.020	74.243	TRUE	1.86E-16
COPD in never smokers	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	0.013	0.064	0.845	0.016	59.557	TRUE	4.18E-14
COPD in never smokers	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	0.019	0.019	0.295	0.012	45.037	TRUE	1.29E-10
COPD in never smokers	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	-0.031	0.019	0.110	0.038	145.486	TRUE	7.59E-31
COPD in never smokers	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	-0.012	0.020	0.540	0.008	30.518	TRUE	9.48E-08
COPD in never smokers	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	-0.081	0.038	0.032	0.042	163.312	TRUE	5.77E-34
COPD in never smokers	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	0.041	0.017	0.014	0.020	75.784	TRUE	3.83E-16
COPD in never smokers	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	0.041	0.017	0.012	0.014	52.136	TRUE	2.34E-11
COPD in never smokers	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.000	0.030	0.998	0.010	38.182	TRUE	1.19E-09
COPD in never smokers	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	0.041	0.017	0.012	0.031	118.611	TRUE	1.05E-24
COPD in never smokers	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	-0.045	0.024	0.060	0.024	91.445	TRUE	1.14E-19
COPD in never smokers	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.007	0.046	0.871	0.010	36.121	TRUE	3.90E-09
COPD in never smokers	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	-0.039	0.024	0.099	0.023	88.537	TRUE	3.12E-19
COPD in never smokers	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	-0.003	0.016	0.854	0.011	41.141	TRUE	3.36E-10
COPD in never smokers	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	0.068	0.019	3.77E-04	0.041	159.157	TRUE	6.53E-32
COPD in never smokers	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	0.040	0.016	0.014	0.044	170.791	TRUE	3.52E-35
COPD in never smokers	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	-0.045	0.017	0.007	0.320	1739.419	TRUE	<1E-200
COPD in never smokers	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	-0.049	0.030	0.105	0.017	62.193	TRUE	7.29E-14
COPD in never smokers	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	0.046	0.040	0.253	0.013	50.514	TRUE	1.04E-11
COPD in never smokers	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.033	0.027	0.224	0.033	127.851	TRUE	1.42E-27

COPD in never smokers	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	-0.101	0.061	0.098	0.008	29.958	TRUE	3.18E-07
COPD in never smokers	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	-0.045	0.024	0.060	0.022	84.446	TRUE	3.00E-18
COPD in never smokers	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.007	0.046	0.871	0.011	40.041	TRUE	5.65E-10
COPD in never smokers	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	-0.039	0.024	0.099	0.020	76.836	TRUE	7.64E-17
COPD in never smokers	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	0.068	0.019	3.77E-04	0.047	181.852	TRUE	2.26E-36
COPD in never smokers	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	0.040	0.016	0.014	0.055	213.970	TRUE	9.01E-44
COPD in never smokers	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	-0.045	0.017	0.007	0.282	1451.768	TRUE	1.46E-268
COPD in never smokers	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.008	0.021	0.712	0.032	124.005	TRUE	1.86E-27
COPD in never smokers	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	-0.049	0.030	0.105	0.014	52.543	TRUE	6.94E-12
COPD in never smokers	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	0.046	0.040	0.253	0.015	56.822	TRUE	5.13E-13
COPD in never smokers	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	-0.015	0.053	0.773	0.008	30.737	TRUE	6.30E-08
COPD in never smokers	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.048	0.040	0.229	0.014	52.132	TRUE	5.17E-12
COPD in never smokers	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	-0.007	0.046	0.871	0.008	30.488	TRUE	6.34E-08
COPD in never smokers	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	0.020	0.018	0.271	0.009	32.948	TRUE	4.58E-08
COPD in never smokers	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	0.025	0.029	0.393	0.009	32.601	TRUE	4.30E-08
COPD in never smokers	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	-0.023	0.020	0.247	0.011	41.116	TRUE	9.56E-10
COPD in never smokers	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	0.067	0.017	5.58E-05	0.012	46.247	TRUE	1.76E-09
COPD in never smokers	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	0.049	0.016	0.003	0.099	407.381	TRUE	6.17E-81
COPD in never smokers	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.009	0.024	0.701	0.017	64.042	TRUE	6.06E-15
COPD in never smokers	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	-0.045	0.017	0.007	0.009	31.956	TRUE	3.16E-07
COPD in never smokers	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	-0.037	0.042	0.384	0.014	52.347	TRUE	3.15E-12
COPD in never smokers	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	-0.042	0.024	0.082	0.009	32.697	TRUE	9.38E-08
COPD in never smokers	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	0.024	0.023	0.302	0.010	36.314	TRUE	8.45E-09
COPD in never smokers	GSDMB	cg27435903	rs36095411	G	T	-0.364	0.023	0.485	5.03E-56	-0.038	0.017	0.023	0.063	248.547	TRUE	8.15E-51
COPD in never smokers	GUSB	cg08769356	rs34848990	C	A	0.206	0.034	0.143	7.49E-10	-0.003	0.024	0.896	0.010	37.867	TRUE	1.59E-09
COPD in never smokers	GUSB	cg08769356	rs56048419	G	A	0.138	0.025	0.331	2.93E-08	0.013	0.017	0.467	0.008	30.740	TRUE	9.45E-08
COPD in never smokers	GUSB	cg08769356	rs75637349	T	C	0.840	0.055	0.046	6.74E-53	0.022	0.038	0.576	0.060	234.216	TRUE	8.15E-50
COPD in never smokers	GUSB	cg11987759	rs117510415	T	C	-0.540	0.047	0.068	1.19E-30	-0.019	0.033	0.562	0.035	132.388	TRUE	5.11E-29
COPD in never smokers	GUSB	cg11987759	rs117539116	T	G	0.607	0.085	0.017	9.61E-13	-0.043	0.068	0.526	0.014	50.895	TRUE	4.80E-12
COPD in never smokers	GUSB	cg11987759	rs117994368	G	A	0.607	0.072	0.024	3.63E-17	-0.121	0.050	0.016	0.019	70.930	TRUE	3.42E-15
COPD in never smokers	GUSB	cg11987759	rs13228133	C	T	-0.725	0.038	0.096	1.81E-79	0.018	0.027	0.509	0.088	356.094	TRUE	4.53E-74
COPD in never smokers	GUSB	cg11987759	rs13228566	T	C	0.624	0.056	0.049	1.14E-28	-0.025	0.039	0.521	0.032	123.332	TRUE	4.21E-27
COPD in never smokers	GUSB	cg11987759	rs140544208	C	T	0.462	0.029	0.198	2.52E-56	0.005	0.021	0.831	0.063	249.925	TRUE	2.25E-53
COPD in never smokers	GUSB	cg11987759	rs141779404	A	G	0.580	0.068	0.028	1.04E-17	-0.010	0.050	0.840	0.019	73.390	TRUE	5.11E-17
COPD in never smokers	GUSB	cg11987759	rs144964629	A	G	0.593	0.060	0.038	3.89E-23	0.060	0.048	0.207	0.026	98.089	TRUE	1.90E-21
COPD in never smokers	GUSB	cg11987759	rs186727034	T	C	-0.413	0.033	0.149	3.71E-36	0.045	0.022	0.044	0.041	157.556	TRUE	6.31E-33
COPD in never smokers	GUSB	cg11987759	rs187963050	T	G	0.734	0.110	0.029	2.71E-11	-0.050	0.047	0.279	0.012	44.353	TRUE	1.87E-10
COPD in never smokers	GUSB	cg11987759	rs190523594	C	T	-0.714	0.129	0.019	2.91E-08	0.012	0.061	0.850	0.008	30.751	TRUE	5.71E-08
COPD in never smokers	GUSB	cg11987759	rs370971651	C	T	-0.533	0.057	0.040	9.38E-21	0.009	0.041	0.820	0.023	87.242	TRUE	6.58E-20
COPD in never smokers	GUSB	cg11987759	rs375600228	C	T	0.510	0.057	0.046	1.83E-19	-0.006	0.043	0.890	0.022	81.371	TRUE	9.78E-19
COPD in never smokers	GUSB	cg11987759	rs3981937	C	A	-0.342	0.025	0.301	5.35E-41	-0.013	0.019	0.498	0.046	179.704	TRUE	1.26E-38
COPD in never smokers	GUSB	cg11987759	rs545374431	G	T	-0.403	0.027	0.252	3.09E-51	0.008	0.020	0.668	0.058	226.599	TRUE	2.06E-48

COPD in never smokers	GUSB	cg11987759	rs62456514	G	A	0.465	0.045	0.069	1.10E-24	-0.041	0.031	0.188	0.028	105.148	TRUE	7.41E-23
COPD in never smokers	GUSB	cg11987759	rs62472337	C	T	1.029	0.017	0.429	<1E-200	-0.036	0.017	0.030	0.509	3828.729	TRUE	<1E-200
COPD in never smokers	GUSB	cg11987759	rs73141516	T	C	-0.584	0.049	0.058	7.56E-33	0.009	0.035	0.802	0.037	142.423	TRUE	2.31E-31
COPD in never smokers	GUSB	cg11987759	rs77859463	G	A	-0.362	0.029	0.214	2.67E-36	0.015	0.020	0.454	0.041	158.208	TRUE	3.58E-34
COPD in never smokers	GUSB	cg11987759	rs79871749	T	C	0.600	0.092	0.038	6.98E-11	-0.037	0.046	0.414	0.011	42.502	TRUE	3.41E-10
COPD in never smokers	GUSB	cg15893346	rs12698551	C	T	-0.273	0.047	0.066	8.37E-09	0.009	0.033	0.782	0.009	33.170	TRUE	1.87E-08
COPD in never smokers	GUSB	cg25588093	rs28565886	C	T	0.276	0.028	0.214	7.11E-23	-0.005	0.020	0.794	0.026	96.898	TRUE	6.64E-22
COPD in never smokers	GUSB	cg25588093	rs34848990	C	A	0.350	0.034	0.143	2.37E-25	-0.003	0.024	0.896	0.028	108.194	TRUE	2.35E-24
COPD in never smokers	GUSB	cg25588093	rs62469880	A	G	1.485	0.054	0.046	8.74E-167	0.014	0.039	0.723	0.170	757.234	TRUE	1.57E-151
COPD in never smokers	GUSB	cg25588093	rs6460317	G	A	0.213	0.025	0.319	3.00E-17	0.030	0.017	0.082	0.019	71.304	TRUE	1.16E-15
COPD in never smokers	GUSB	cg25588093	rs78702620	T	C	0.182	0.025	0.349	1.04E-13	0.037	0.019	0.058	0.015	55.257	TRUE	2.68E-12
COPD in never smokers	HGS	cg00656475	rs12451387	A	G	-0.185	0.031	0.170	2.68E-09	0.011	0.022	0.615	0.009	35.382	TRUE	7.89E-09
COPD in never smokers	HGS	cg00656475	rs145397742	G	A	0.489	0.066	0.038	2.02E-13	-0.044	0.045	0.325	0.014	53.960	TRUE	1.66E-12
COPD in never smokers	HGS	cg00656475	rs6565592	T	G	0.205	0.025	0.300	2.70E-16	-0.012	0.018	0.512	0.018	66.976	TRUE	2.11E-15
COPD in never smokers	HGS	cg00656475	rs73354145	T	C	0.489	0.084	0.021	5.53E-09	0.021	0.054	0.695	0.009	33.976	TRUE	1.41E-08
COPD in never smokers	HGS	cg00656475	rs7405655	A	G	-0.146	0.025	0.337	2.63E-09	0.004	0.018	0.807	0.009	35.418	TRUE	6.00E-09
COPD in never smokers	HGS	cg00656475	rs76645549	A	G	0.552	0.075	0.026	1.52E-13	0.122	0.049	0.012	0.015	54.508	TRUE	7.81E-12
COPD in never smokers	HGS	cg00656475	rs8066889	G	T	0.581	0.027	0.221	5.55E-100	0.011	0.020	0.564	0.109	450.281	TRUE	1.09E-92
COPD in never smokers	HGS	cg05283453	rs34033471	T	C	-0.341	0.051	0.057	1.94E-11	0.036	0.034	0.291	0.012	45.005	TRUE	1.33E-10
COPD in never smokers	HGS	cg13309461	rs11871349	C	T	0.130	0.024	0.434	3.49E-08	0.020	0.017	0.245	0.008	30.395	TRUE	1.66E-07
COPD in never smokers	HGS	cg13309461	rs35953598	T	C	0.781	0.051	0.055	6.05E-53	0.051	0.034	0.134	0.060	234.431	TRUE	7.54E-49
COPD in never smokers	HGS	cg13309461	rs7406108	C	T	0.160	0.024	0.366	4.60E-11	0.036	0.017	0.036	0.012	43.318	TRUE	8.98E-10
COPD in never smokers	HGS	cg14940449	rs112084731	T	C	0.553	0.086	0.021	1.54E-10	0.016	0.054	0.765	0.011	40.956	TRUE	4.17E-10
COPD in never smokers	HGS	cg14940449	rs145397742	G	A	0.476	0.067	0.038	8.70E-13	-0.044	0.045	0.325	0.014	51.089	TRUE	6.60E-12
COPD in never smokers	HGS	cg14940449	rs4078290	C	T	0.549	0.028	0.220	1.04E-85	0.017	0.020	0.387	0.094	384.738	TRUE	1.92E-79
COPD in never smokers	HGS	cg16886672	rs35821128	A	G	0.325	0.050	0.056	9.38E-11	0.036	0.034	0.298	0.011	41.924	TRUE	5.74E-10
COPD in never smokers	HGS	cg20161132	rs35667637	T	C	0.440	0.051	0.054	9.76E-18	0.042	0.035	0.233	0.019	73.522	TRUE	1.93E-16
COPD in never smokers	HGS	cg22519420	rs3088016	C	A	-0.151	0.024	0.390	3.24E-10	0.019	0.017	0.253	0.011	39.504	TRUE	2.04E-09
COPD in never smokers	HGS	cg22519420	rs67519107	T	C	-0.598	0.051	0.056	1.18E-31	0.053	0.036	0.137	0.036	136.971	TRUE	3.25E-29
COPD in never smokers	HPS6	cg00857846	rs11191203	T	C	-0.285	0.030	0.188	6.34E-22	-0.036	0.022	0.098	0.024	92.568	TRUE	4.73E-20
COPD in never smokers	HPS6	cg06286028	rs11191203	T	C	0.241	0.030	0.188	4.97E-16	-0.036	0.022	0.098	0.017	65.773	TRUE	1.40E-14
COPD in never smokers	HPS6	cg10191772	rs145175060	G	T	0.682	0.081	0.024	3.88E-17	0.169	0.057	0.003	0.019	70.801	TRUE	7.44E-15
COPD in never smokers	HPS6	cg14124646	rs10786628	C	T	0.247	0.024	0.335	4.19E-24	-0.043	0.018	0.014	0.027	102.501	TRUE	1.67E-21
COPD in never smokers	HPS6	cg14124646	rs11190936	A	G	-0.221	0.024	0.462	1.11E-20	-0.004	0.017	0.793	0.023	86.902	TRUE	8.18E-20
COPD in never smokers	HPS6	cg14124646	rs11191183	G	A	0.699	0.080	0.021	2.88E-18	-0.046	0.055	0.400	0.020	75.927	TRUE	3.74E-17
COPD in never smokers	HPS6	cg14124646	rs11191191	A	G	0.848	0.029	0.185	1.13E-190	-0.038	0.021	0.080	0.190	867.054	TRUE	5.57E-169
COPD in never smokers	HPS6	cg14124646	rs114127273	G	A	0.527	0.094	0.018	2.23E-08	-0.005	0.062	0.934	0.008	31.268	TRUE	4.00E-08
COPD in never smokers	HPS6	cg14124646	rs12768561	T	C	-0.269	0.026	0.293	1.01E-25	-0.005	0.018	0.787	0.029	109.876	TRUE	1.34E-24
COPD in never smokers	HPS6	cg14124646	rs12771487	C	T	-0.143	0.026	0.288	3.36E-08	0.035	0.018	0.051	0.008	30.472	TRUE	3.24E-07
COPD in never smokers	HPS6	cg14124646	rs138649138	T	C	0.747	0.062	0.037	3.54E-33	-0.051	0.047	0.273	0.037	143.930	TRUE	5.92E-31
COPD in never smokers	HPS6	cg14124646	rs148990403	G	A	0.623	0.084	0.021	8.83E-14	-0.178	0.067	0.008	0.015	55.582	TRUE	5.69E-12
COPD in never smokers	HPS6	cg14124646	rs1536309	G	A	-0.211	0.025	0.379	1.16E-17	0.025	0.017	0.135	0.019	73.177	TRUE	3.45E-16

COPD in never smokers	HPS6	cg14124646	rs1933966	G	A	0.191	0.032	0.160	2.39E-09	-0.022	0.023	0.338	0.010	35.607	TRUE	1.11E-08
COPD in never smokers	HPS6	cg14124646	rs2025106	C	T	-0.169	0.025	0.322	1.00E-11	-0.007	0.017	0.703	0.012	46.294	TRUE	3.35E-11
COPD in never smokers	HPS6	cg14124646	rs2735421	T	G	-0.298	0.025	0.316	2.61E-32	-0.002	0.018	0.931	0.036	139.964	TRUE	5.42E-31
COPD in never smokers	HPS6	cg14124646	rs45487496	A	C	0.523	0.069	0.028	3.27E-14	-0.096	0.053	0.069	0.015	57.536	TRUE	8.36E-13
COPD in never smokers	HPS6	cg14124646	rs600953	T	G	-0.185	0.027	0.268	4.05E-12	0.009	0.018	0.638	0.013	48.073	TRUE	1.56E-11
COPD in never smokers	HPS6	cg14124646	rs674331	T	C	-0.148	0.024	0.382	1.25E-09	0.024	0.017	0.157	0.010	36.875	TRUE	9.45E-09
COPD in never smokers	HPS6	cg14124646	rs7915239	G	A	0.196	0.033	0.149	1.88E-09	-0.018	0.024	0.456	0.010	36.073	TRUE	7.16E-09
COPD in never smokers	HSPA1B	cg04835051	rs1049709	C	T	0.271	0.031	0.170	2.85E-18	0.138	0.021	4.98E-11	0.020	75.947	TRUE	8.26E-14
COPD in never smokers	HSPA1B	cg04835051	rs2596464	T	C	-0.179	0.023	0.464	2.66E-14	-0.057	0.016	5.35E-04	0.015	57.939	TRUE	4.95E-12
COPD in never smokers	HSPA1B	cg04835051	rs2763979	T	C	0.352	0.025	0.351	1.24E-46	0.066	0.017	9.54E-05	0.053	205.512	TRUE	1.12E-40
COPD in never smokers	HSPA1B	cg04835051	rs41558815	A	G	-0.285	0.052	0.058	4.06E-08	-0.054	0.037	0.142	0.008	30.102	TRUE	2.51E-07
COPD in never smokers	HSPA1B	cg04835051	rs9268199	G	A	-0.208	0.030	0.198	2.01E-12	-0.050	0.022	0.021	0.013	49.445	TRUE	6.48E-11
COPD in never smokers	HSPA1B	cg04835051	rs9270514	G	A	-0.133	0.023	0.401	1.66E-08	-0.057	0.019	0.002	0.009	31.839	TRUE	4.60E-07
COPD in never smokers	HSPA1B	cg04835051	rs9273455	T	C	0.267	0.028	0.188	3.39E-21	0.118	0.019	5.94E-10	0.024	89.253	TRUE	1.67E-16
COPD in never smokers	HSPA1B	cg04835051	rs9274409	A	G	0.181	0.033	0.308	3.17E-08	0.078	0.017	4.49E-06	0.008	30.584	TRUE	2.88E-06
COPD in never smokers	HSPA1B	cg04835051	rs9276576	G	A	0.189	0.029	0.215	3.42E-11	0.051	0.020	0.011	0.012	43.898	TRUE	1.08E-09
COPD in never smokers	HSPA1B	cg13911590	rs12524467	A	G	0.470	0.079	0.024	2.47E-09	-0.114	0.060	0.056	0.010	35.547	TRUE	2.85E-08
COPD in never smokers	HSPA1B	cg16372051	rs1049709	C	T	0.230	0.031	0.170	1.29E-13	0.138	0.021	4.98E-11	0.015	54.842	TRUE	6.15E-10
COPD in never smokers	HSPA1B	cg16372051	rs2596464	T	C	-0.201	0.023	0.464	8.99E-18	-0.057	0.016	5.35E-04	0.020	73.684	TRUE	3.94E-15
COPD in never smokers	HSPA1B	cg16372051	rs2763979	T	C	0.376	0.024	0.351	3.17E-53	0.066	0.017	9.54E-05	0.060	235.716	TRUE	1.45E-46
COPD in never smokers	HSPA1B	cg16372051	rs9270514	G	A	-0.157	0.023	0.401	2.39E-11	-0.057	0.019	0.002	0.012	44.599	TRUE	1.38E-09
COPD in never smokers	HSPA1B	cg16372051	rs9273660	T	C	0.264	0.027	0.234	1.09E-22	0.112	0.018	5.74E-10	0.025	96.050	TRUE	8.95E-18
COPD in never smokers	HSPA1B	cg16372051	rs9276577	G	A	0.209	0.029	0.202	9.29E-13	0.045	0.020	0.027	0.014	50.961	TRUE	2.88E-11
COPD in never smokers	HSPA1B	cg19159162	rs6457452	T	C	-0.301	0.051	0.052	3.93E-09	-0.054	0.037	0.140	0.009	34.641	TRUE	2.91E-08
COPD in never smokers	HSPA1B	cg19754746	rs35009002	C	A	-0.427	0.078	0.023	3.96E-08	-0.026	0.059	0.664	0.008	30.154	TRUE	9.62E-08
COPD in never smokers	HSPA1B	cg21080034	rs1131500	T	C	0.152	0.025	0.299	1.94E-09	-0.014	0.018	0.425	0.010	36.009	TRUE	7.77E-09
COPD in never smokers	HSPA1B	cg21080034	rs116383515	C	T	0.265	0.048	0.062	4.73E-08	0.002	0.034	0.948	0.008	29.807	TRUE	8.13E-08
COPD in never smokers	HSPA1B	cg21080034	rs2272592	T	C	-0.164	0.029	0.197	1.59E-08	-0.053	0.021	0.013	0.009	31.921	TRUE	2.63E-07
COPD in never smokers	HSPA1B	cg21080034	rs385306	A	G	0.268	0.028	0.217	2.30E-21	-0.015	0.020	0.468	0.024	90.024	TRUE	3.74E-20
COPD in never smokers	HSPA1B	cg21080034	rs760294	A	C	0.229	0.037	0.104	7.83E-10	-0.003	0.027	0.905	0.010	37.781	TRUE	1.64E-09
COPD in never smokers	HSPA1B	cg21080034	rs9267661	T	C	0.655	0.095	0.015	4.66E-12	0.169	0.058	0.004	0.013	47.798	TRUE	2.70E-10
COPD in never smokers	HSPA1B	cg24239961	rs1049709	C	T	0.380	0.031	0.170	1.10E-34	0.138	0.021	4.98E-11	0.039	150.827	TRUE	8.26E-28
COPD in never smokers	HSPA1B	cg24239961	rs1264309	G	A	-0.139	0.025	0.334	2.80E-08	-0.082	0.017	2.84E-06	0.008	30.827	TRUE	2.80E-06
COPD in never smokers	HSPA1B	cg24239961	rs1419881	A	G	0.201	0.023	0.488	7.13E-18	0.065	0.016	6.98E-05	0.020	74.139	TRUE	6.34E-15
COPD in never smokers	HSPA1B	cg24239961	rs17207748	C	T	0.306	0.054	0.047	1.74E-08	-0.033	0.039	0.404	0.009	31.747	TRUE	6.39E-08
COPD in never smokers	HSPA1B	cg24239961	rs2243873	C	A	0.192	0.024	0.459	7.81E-16	0.033	0.016	0.044	0.017	64.882	TRUE	3.39E-14
COPD in never smokers	HSPA1B	cg24239961	rs2395475	G	A	0.198	0.024	0.388	5.71E-16	0.060	0.017	3.79E-04	0.017	65.500	TRUE	1.81E-13
COPD in never smokers	HSPA1B	cg24239961	rs2596464	T	C	-0.225	0.023	0.464	7.03E-22	-0.057	0.016	5.35E-04	0.024	92.365	TRUE	8.14E-19
COPD in never smokers	HSPA1B	cg24239961	rs2736165	G	A	0.409	0.060	0.041	8.07E-12	0.055	0.046	0.224	0.012	46.724	TRUE	6.95E-11
COPD in never smokers	HSPA1B	cg24239961	rs2763979	T	C	0.625	0.024	0.351	2.77E-152	0.066	0.017	9.54E-05	0.157	690.581	TRUE	1.12E-132
COPD in never smokers	HSPA1B	cg24239961	rs28787299	A	G	0.236	0.035	0.312	1.14E-11	0.061	0.018	7.64E-04	0.012	46.049	TRUE	9.67E-10
COPD in never smokers	HSPA1B	cg24239961	rs909253	G	A	0.180	0.024	0.360	1.68E-13	0.034	0.017	0.047	0.014	54.320	TRUE	4.60E-12

COPD in never smokers	HSPA1B	cg24239961	rs9268199	G	A	-0.269	0.030	0.198	8.53E-20	-0.050	0.022	0.021	0.022	82.879	TRUE	1.16E-17
COPD in never smokers	HSPA1B	cg24239961	rs9270514	G	A	-0.225	0.023	0.401	7.02E-22	-0.057	0.019	0.002	0.024	92.367	TRUE	4.53E-19
COPD in never smokers	HSPA1B	cg24239961	rs9273519	A	G	0.376	0.027	0.239	3.26E-45	0.113	0.019	1.01E-09	0.051	199.006	TRUE	2.51E-37
COPD in never smokers	HSPA1B	cg24239961	rs9276577	G	A	0.321	0.029	0.202	2.19E-28	0.045	0.020	0.027	0.032	122.042	TRUE	1.28E-25
COPD in never smokers	HYAL2	cg07271561	rs114541445	G	A	-0.652	0.100	0.013	8.57E-11	0.094	0.065	0.148	0.011	42.101	TRUE	8.09E-10
COPD in never smokers	HYAL2	cg07271561	rs2073499	G	A	-0.662	0.034	0.131	1.41E-85	0.051	0.023	0.031	0.094	384.138	TRUE	1.47E-77
COPD in never smokers	HYAL2	cg07271561	rs2526386	C	T	-0.241	0.031	0.164	6.61E-15	0.028	0.022	0.198	0.016	60.679	TRUE	9.79E-14
COPD in never smokers	HYAL2	cg07271561	rs2526399	T	C	-0.647	0.075	0.025	4.31E-18	0.076	0.046	0.098	0.020	75.132	TRUE	1.72E-16
COPD in never smokers	HYAL2	cg07271561	rs34964126	G	A	-0.199	0.027	0.256	1.71E-13	0.029	0.019	0.139	0.014	54.280	TRUE	2.58E-12
COPD in never smokers	HYAL2	cg07271561	rs556654756	C	T	-0.615	0.094	0.015	7.07E-11	-0.134	0.068	0.048	0.011	42.478	TRUE	1.18E-09
COPD in never smokers	HYAL2	cg07271561	rs79685183	T	C	-0.487	0.087	0.018	2.49E-08	-0.100	0.062	0.107	0.008	31.054	TRUE	1.82E-07
COPD in never smokers	HYAL2	cg07271561	rs9682667	T	C	0.226	0.025	0.338	5.76E-20	-0.025	0.019	0.171	0.022	83.654	TRUE	2.04E-18
COPD in never smokers	HYAL2	cg12150256	rs7642692	C	T	-0.343	0.038	0.104	4.18E-19	0.048	0.026	0.067	0.021	79.741	TRUE	2.54E-17
COPD in never smokers	HYAL2	cg12976582	rs12629572	G	T	-0.523	0.037	0.108	2.65E-44	0.049	0.025	0.054	0.050	194.840	TRUE	1.74E-40
COPD in never smokers	HYAL2	cg12976582	rs9311447	T	C	-0.533	0.088	0.017	1.09E-09	0.083	0.051	0.105	0.010	37.128	TRUE	1.03E-08
COPD in never smokers	HYAL2	cg13341668	rs12493985	G	T	-0.209	0.033	0.150	3.13E-10	0.046	0.023	0.043	0.011	39.573	TRUE	4.83E-09
COPD in never smokers	HYAL2	cg13341668	rs12629572	G	T	-0.468	0.038	0.108	1.00E-35	0.049	0.025	0.054	0.040	155.578	TRUE	1.33E-32
COPD in never smokers	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	-0.011	0.018	0.524	0.015	57.336	TRUE	2.14E-13
COPD in never smokers	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	-0.001	0.017	0.974	0.011	40.958	TRUE	3.13E-10
COPD in never smokers	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	0.022	0.020	0.267	0.013	49.309	TRUE	1.79E-11
COPD in never smokers	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	-0.001	0.017	0.952	0.065	258.356	TRUE	2.97E-55
COPD in never smokers	IDUA	cg01572696	rs113130883	T	C	-0.155	0.028	0.228	4.00E-08	0.025	0.019	0.206	0.008	30.132	TRUE	2.06E-07
COPD in never smokers	IDUA	cg01572696	rs114358991	A	G	0.424	0.055	0.053	1.63E-14	0.037	0.040	0.357	0.016	58.897	TRUE	1.44E-13
COPD in never smokers	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	-0.022	0.027	0.426	0.022	81.973	TRUE	1.95E-18
COPD in never smokers	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	0.027	0.024	0.257	0.012	46.127	TRUE	8.44E-11
COPD in never smokers	IDUA	cg01572696	rs191917382	A	C	-0.673	0.109	0.027	6.42E-10	0.184	0.063	0.003	0.010	38.170	TRUE	2.28E-08
COPD in never smokers	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	0.002	0.017	0.892	0.012	45.664	TRUE	3.45E-11
COPD in never smokers	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	0.020	0.020	0.303	0.015	54.952	TRUE	1.09E-12
COPD in never smokers	IDUA	cg01572696	rs4533712	G	A	0.463	0.054	0.049	7.04E-18	-0.058	0.039	0.143	0.020	74.165	TRUE	2.08E-16
COPD in never smokers	IDUA	cg01572696	rs4647932	T	C	-0.822	0.049	0.065	1.55E-62	0.053	0.033	0.112	0.070	278.407	TRUE	1.64E-57
COPD in never smokers	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	0.014	0.017	0.406	0.049	189.624	TRUE	1.69E-40
COPD in never smokers	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	-0.002	0.018	0.925	0.017	62.147	TRUE	1.04E-14
COPD in never smokers	IDUA	cg01572696	rs6826191	G	A	-0.155	0.024	0.353	1.75E-10	0.000	0.017	0.994	0.011	40.709	TRUE	3.44E-10
COPD in never smokers	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	0.012	0.036	0.749	0.022	84.609	TRUE	2.69E-19
COPD in never smokers	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	-0.001	0.017	0.952	0.017	62.567	TRUE	8.09E-15
COPD in never smokers	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	0.055	0.036	0.120	0.021	79.226	TRUE	2.17E-17
COPD in never smokers	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	0.014	0.017	0.406	0.016	60.197	TRUE	6.90E-14
COPD in never smokers	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	0.012	0.036	0.749	0.009	35.354	TRUE	6.66E-09
COPD in never smokers	IDUA	cg03889767	rs1078138	T	C	-0.287	0.030	0.193	4.00E-22	0.008	0.021	0.696	0.025	93.479	TRUE	4.23E-21
COPD in never smokers	IDUA	cg03889767	rs11946340	T	C	0.261	0.036	0.401	4.20E-13	0.026	0.018	0.141	0.014	52.517	TRUE	5.89E-12
COPD in never smokers	IDUA	cg03889767	rs151010222	T	C	-0.996	0.095	0.015	1.31E-25	-0.039	0.068	0.565	0.029	109.372	TRUE	2.87E-24
COPD in never smokers	IDUA	cg03889767	rs188911015	A	G	-0.998	0.068	0.030	2.94E-48	0.033	0.048	0.482	0.054	212.955	TRUE	2.32E-45

COPD in never smokers	IDUA	cg03889767	rs3806760	A	G	-0.288	0.025	0.327	8.18E-31	-0.037	0.018	0.036	0.035	133.126	TRUE	6.04E-28
COPD in never smokers	IDUA	cg03889767	rs56968267	G	A	0.183	0.024	0.461	1.45E-14	0.032	0.017	0.056	0.016	59.128	TRUE	4.44E-13
COPD in never smokers	IDUA	cg03889767	rs6848199	T	C	-0.291	0.024	0.363	5.23E-34	0.041	0.017	0.015	0.038	147.726	TRUE	1.33E-30
COPD in never smokers	IDUA	cg03889767	rs75675915	G	T	-0.458	0.072	0.030	2.39E-10	-0.025	0.051	0.619	0.011	40.094	TRUE	7.84E-10
COPD in never smokers	IDUA	cg03889767	rs77186370	A	C	-1.039	0.117	0.016	5.29E-19	-0.060	0.060	0.320	0.021	79.276	TRUE	9.41E-18
COPD in never smokers	IDUA	cg03889767	rs78564282	A	C	-0.593	0.057	0.042	8.72E-26	-0.024	0.041	0.552	0.029	110.172	TRUE	2.03E-24
COPD in never smokers	IDUA	cg03889767	rs80269477	T	G	-1.201	0.082	0.043	9.84E-49	-0.051	0.039	0.197	0.055	215.131	TRUE	3.39E-45
COPD in never smokers	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	0.008	0.020	0.692	0.010	38.835	TRUE	1.30E-09
COPD in never smokers	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	0.092	0.056	0.099	0.020	76.262	TRUE	9.97E-17
COPD in never smokers	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	0.008	0.020	0.692	0.011	40.004	TRUE	7.36E-10
COPD in never smokers	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	-0.011	0.018	0.524	0.013	48.909	TRUE	1.26E-11
COPD in never smokers	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	0.009	0.018	0.607	0.010	35.619	TRUE	7.10E-09
COPD in never smokers	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	-0.011	0.018	0.524	0.011	41.490	TRUE	4.60E-10
COPD in never smokers	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	0.003	0.018	0.851	0.009	32.544	TRUE	2.35E-08
COPD in never smokers	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	-0.001	0.017	0.974	0.020	77.335	TRUE	5.91E-18
COPD in never smokers	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	0.042	0.017	0.011	0.010	36.272	TRUE	3.69E-08
COPD in never smokers	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	-0.020	0.016	0.228	0.050	193.196	TRUE	7.36E-41
COPD in never smokers	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	0.012	0.036	0.749	0.010	39.051	TRUE	1.08E-09
COPD in never smokers	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	0.066	0.026	0.010	0.008	29.766	TRUE	7.69E-07
COPD in never smokers	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	-0.020	0.017	0.244	0.010	36.545	TRUE	8.63E-09
COPD in never smokers	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	-0.033	0.024	0.161	0.048	184.678	TRUE	5.99E-39
COPD in never smokers	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	0.022	0.020	0.267	0.027	102.180	TRUE	2.14E-22
COPD in never smokers	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	0.011	0.037	0.767	0.009	32.063	TRUE	3.30E-08
COPD in never smokers	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	0.024	0.059	0.682	0.013	50.559	TRUE	4.34E-12
COPD in never smokers	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	0.008	0.019	0.688	0.019	69.755	TRUE	3.91E-16
COPD in never smokers	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	-0.001	0.018	0.941	0.010	36.376	TRUE	3.14E-09
COPD in never smokers	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	-0.009	0.017	0.572	0.011	41.224	TRUE	4.86E-10
COPD in never smokers	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	-0.051	0.022	0.023	0.046	179.864	TRUE	3.64E-37
COPD in never smokers	IDUA	cg15138543	rs117560503	A	G	0.543	0.088	0.020	8.39E-10	0.039	0.059	0.510	0.010	37.647	TRUE	3.05E-09
COPD in never smokers	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	0.026	0.018	0.141	0.012	44.025	TRUE	3.32E-10
COPD in never smokers	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	-0.013	0.033	0.692	0.010	36.653	TRUE	3.80E-09
COPD in never smokers	IDUA	cg15138543	rs138298498	A	G	0.592	0.059	0.040	7.43E-24	-0.115	0.042	0.006	0.027	101.367	TRUE	4.44E-21
COPD in never smokers	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	-0.041	0.040	0.302	0.032	123.516	TRUE	7.84E-27
COPD in never smokers	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	-0.018	0.017	0.302	0.403	2493.113	TRUE	<1E-200
COPD in never smokers	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	0.071	0.026	0.006	0.023	88.732	TRUE	1.52E-18
COPD in never smokers	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	-0.041	0.017	0.015	0.025	93.491	TRUE	1.03E-19
COPD in never smokers	IDUA	cg15138543	rs3822028	C	T	-0.270	0.035	0.125	2.66E-14	0.011	0.025	0.653	0.015	57.943	TRUE	1.26E-13
COPD in never smokers	IDUA	cg15138543	rs4647931	T	G	-0.459	0.084	0.017	4.02E-08	-0.027	0.052	0.607	0.008	30.124	TRUE	1.05E-07
COPD in never smokers	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	-0.032	0.017	0.060	0.044	168.413	TRUE	3.14E-35
COPD in never smokers	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	0.012	0.021	0.586	0.030	113.010	TRUE	4.81E-25
COPD in never smokers	IDUA	cg15138543	rs57186616	A	G	-0.272	0.032	0.155	4.86E-17	-0.013	0.023	0.573	0.019	70.353	TRUE	3.67E-16
COPD in never smokers	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	0.014	0.021	0.517	0.044	170.556	TRUE	8.68E-37

COPD in never smokers	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	0.021	0.023	0.363	0.009	34.920	TRUE	1.47E-08
COPD in never smokers	IDUA	cg15138543	rs6599389	A	G	0.696	0.044	0.080	1.14E-57	0.058	0.031	0.060	0.065	256.094	TRUE	9.41E-53
COPD in never smokers	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	0.000	0.035	0.994	0.038	146.399	TRUE	2.15E-32
COPD in never smokers	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	-0.010	0.023	0.664	0.012	45.151	TRUE	6.21E-11
COPD in never smokers	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	-0.004	0.020	0.845	0.033	125.887	TRUE	5.51E-28
COPD in never smokers	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	-0.043	0.030	0.157	0.023	86.012	TRUE	7.21E-19
COPD in never smokers	IDUA	cg15138543	rs900030	C	T	0.335	0.043	0.084	1.08E-14	0.006	0.032	0.850	0.016	59.714	TRUE	3.84E-14
COPD in never smokers	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	0.035	0.063	0.583	0.063	248.815	TRUE	8.94E-53
COPD in never smokers	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	0.008	0.019	0.688	0.018	69.409	TRUE	4.62E-16
COPD in never smokers	IDUA	cg21616051	rs138298498	A	G	-1.430	0.057	0.040	1.73E-140	-0.115	0.042	0.006	0.147	636.375	TRUE	1.17E-124
COPD in never smokers	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	0.004	0.028	0.885	0.053	205.066	TRUE	2.51E-44
COPD in never smokers	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	-0.057	0.022	0.011	0.022	84.731	TRUE	7.02E-18
COPD in never smokers	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	0.071	0.026	0.006	0.014	51.718	TRUE	3.79E-11
COPD in never smokers	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	-0.014	0.017	0.422	0.187	851.571	TRUE	4.61E-168
COPD in never smokers	IDUA	cg21616051	rs3822022	G	A	-0.231	0.025	0.314	6.15E-20	-0.009	0.018	0.620	0.022	83.524	TRUE	5.92E-19
COPD in never smokers	IDUA	cg21616051	rs3822028	C	T	0.219	0.036	0.125	7.05E-10	0.011	0.025	0.653	0.010	37.987	TRUE	2.09E-09
COPD in never smokers	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	-0.032	0.017	0.060	0.026	100.280	TRUE	1.82E-21
COPD in never smokers	IDUA	cg21616051	rs582202	A	G	-0.308	0.037	0.117	5.80E-17	-0.019	0.026	0.458	0.019	70.006	TRUE	5.55E-16
COPD in never smokers	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	0.014	0.021	0.517	0.018	67.861	TRUE	1.37E-15
COPD in never smokers	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	0.004	0.029	0.891	0.010	37.160	TRUE	2.28E-09
COPD in never smokers	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	-0.006	0.034	0.870	0.014	54.084	TRUE	5.79E-13
COPD in never smokers	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	-0.043	0.030	0.157	0.009	35.104	TRUE	2.20E-08
COPD in never smokers	IDUA	cg21616051	rs900030	C	T	-0.423	0.043	0.084	1.24E-22	0.006	0.032	0.850	0.025	95.793	TRUE	1.01E-21
COPD in never smokers	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	0.041	0.017	0.016	0.011	41.338	TRUE	3.16E-09
COPD in never smokers	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	0.019	0.017	0.252	0.010	36.378	TRUE	9.18E-09
COPD in never smokers	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	0.085	0.049	0.085	0.011	39.940	TRUE	3.00E-09
COPD in never smokers	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	0.025	0.023	0.273	0.034	129.133	TRUE	6.22E-28
COPD in never smokers	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	-0.032	0.017	0.060	0.013	47.425	TRUE	1.04E-10
COPD in never smokers	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	0.013	0.017	0.444	0.009	32.172	TRUE	4.87E-08
COPD in never smokers	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	0.015	0.022	0.486	0.017	65.394	TRUE	4.77E-15
COPD in never smokers	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	0.049	0.017	0.003	0.018	66.061	TRUE	6.33E-14
COPD in never smokers	IKBKE	cg11166312	rs2026081	C	T	0.212	0.030	0.185	1.47E-12	0.007	0.021	0.720	0.013	50.060	TRUE	5.21E-12
COPD in never smokers	IKBKE	cg11166312	rs2151222	G	A	0.474	0.027	0.248	1.74E-71	0.026	0.019	0.170	0.079	319.464	TRUE	6.58E-66
COPD in never smokers	IKBKE	cg11739399	rs2483064	G	A	0.163	0.027	0.257	2.25E-09	0.031	0.019	0.101	0.010	35.725	TRUE	2.03E-08
COPD in never smokers	IKBKE	cg11739399	rs4532836	G	A	0.812	0.105	0.028	1.09E-14	-0.035	0.047	0.464	0.016	59.697	TRUE	7.75E-14
COPD in never smokers	IKBKE	cg11739399	rs4844539	A	G	-0.315	0.023	0.461	4.25E-41	-0.038	0.017	0.020	0.046	180.162	TRUE	3.56E-37
COPD in never smokers	IKBKE	cg16619193	rs1539243	T	C	-0.236	0.033	0.157	3.90E-13	0.000	0.022	0.998	0.014	52.665	TRUE	9.54E-13
COPD in never smokers	IKBKE	cg20530056	rs1539243	T	C	-0.182	0.033	0.157	2.16E-08	0.000	0.022	0.998	0.008	31.332	TRUE	3.59E-08
COPD in never smokers	IKBKE	cg20530056	rs3813981	C	T	-0.159	0.024	0.436	2.51E-11	-0.041	0.017	0.013	0.012	44.504	TRUE	7.76E-10
COPD in never smokers	IKBKE	cg26859016	rs3813981	C	T	-0.180	0.024	0.436	4.03E-14	-0.041	0.017	0.013	0.015	57.123	TRUE	2.25E-12
COPD in never smokers	IL13	cg04303330	rs17622656	A	G	0.187	0.024	0.375	1.04E-14	-0.020	0.017	0.238	0.016	59.779	TRUE	1.31E-13
COPD in never smokers	IL13	cg04303330	rs1881457	C	A	-0.530	0.030	0.193	1.05E-71	0.058	0.021	0.007	0.080	320.468	TRUE	1.82E-64

COPD in never smokers	IL13	cg04303330	rs2069812	A	G	0.163	0.026	0.310	1.99E-10	0.000	0.018	0.979	0.011	40.457	TRUE	3.98E-10
COPD in never smokers	IL13	cg04303330	rs2237057	G	A	-0.153	0.027	0.245	2.19E-08	0.020	0.019	0.297	0.008	31.301	TRUE	9.62E-08
COPD in never smokers	IL13	cg13566430	rs17622656	A	G	0.157	0.024	0.375	8.47E-11	-0.020	0.017	0.238	0.011	42.123	TRUE	6.04E-10
COPD in never smokers	IL13	cg13566430	rs2069812	A	G	0.141	0.026	0.310	3.93E-08	0.000	0.018	0.979	0.008	30.170	TRUE	6.55E-08
COPD in never smokers	IL13	cg13566430	rs4705963	A	G	-0.153	0.027	0.251	1.38E-08	0.009	0.019	0.637	0.009	32.202	TRUE	3.64E-08
COPD in never smokers	IL13	cg13566430	rs7700346	A	G	-0.446	0.030	0.193	6.69E-51	0.062	0.021	0.004	0.057	225.062	TRUE	1.67E-45
COPD in never smokers	IL6R	cg05756780	rs4133213	A	C	0.151	0.024	0.424	2.62E-10	0.041	0.017	0.015	0.011	39.916	TRUE	6.21E-09
COPD in never smokers	IL6R	cg05756780	rs6427641	G	A	0.172	0.024	0.429	4.51E-13	-0.011	0.017	0.523	0.014	52.382	TRUE	2.35E-12
COPD in never smokers	IL6R	cg06980173	rs12075836	T	C	-0.194	0.032	0.152	1.47E-09	0.027	0.023	0.241	0.010	36.556	TRUE	8.66E-09
COPD in never smokers	IL6R	cg06980173	rs4845619	T	G	-0.136	0.024	0.436	1.08E-08	-0.026	0.017	0.122	0.009	32.676	TRUE	7.93E-08
COPD in never smokers	IL6R	cg13549904	rs114660934	A	G	-0.371	0.066	0.036	2.01E-08	0.018	0.038	0.636	0.008	31.464	TRUE	5.23E-08
COPD in never smokers	IL6R	cg13549904	rs1889312	A	G	0.132	0.024	0.436	2.43E-08	0.009	0.017	0.588	0.008	31.096	TRUE	6.68E-08
COPD in never smokers	IL6R	cg15633035	rs41304552	T	C	0.442	0.063	0.035	3.01E-12	0.012	0.039	0.753	0.013	48.657	TRUE	9.81E-12
COPD in never smokers	IL6R	cg17001401	rs12739228	A	G	0.578	0.063	0.033	2.44E-20	0.002	0.043	0.966	0.023	85.352	TRUE	1.23E-19
COPD in never smokers	IL6R	cg20688791	rs11265611	G	A	-0.189	0.024	0.409	3.77E-15	-0.024	0.017	0.165	0.016	61.783	TRUE	6.58E-14
COPD in never smokers	IL6R	cg21262032	rs10796927	C	T	0.170	0.026	0.290	6.45E-11	0.004	0.018	0.845	0.011	42.656	TRUE	1.62E-10
COPD in never smokers	IL6R	cg21262032	rs11577167	T	C	-0.448	0.069	0.028	7.08E-11	-0.111	0.056	0.048	0.011	42.473	TRUE	1.18E-09
COPD in never smokers	IL6R	cg21262032	rs12023772	A	G	0.180	0.032	0.157	2.82E-08	0.072	0.022	0.001	0.008	30.811	TRUE	8.81E-07
COPD in never smokers	IL6R	cg21262032	rs144029367	C	T	-0.553	0.095	0.020	5.14E-09	-0.093	0.063	0.140	0.009	34.117	TRUE	3.73E-08
COPD in never smokers	IL6R	cg21262032	rs1685627	A	G	-0.171	0.024	0.400	1.32E-12	0.015	0.017	0.378	0.013	50.271	TRUE	8.67E-12
COPD in never smokers	IL6R	cg21262032	rs1889312	A	G	0.183	0.024	0.436	1.66E-14	0.009	0.017	0.588	0.016	58.865	TRUE	9.08E-14
COPD in never smokers	IL6R	cg21262032	rs35013837	T	C	0.273	0.044	0.142	3.35E-10	0.022	0.023	0.354	0.011	39.440	TRUE	1.68E-09
COPD in never smokers	IL6R	cg21262032	rs60517797	C	T	-0.247	0.040	0.100	8.12E-10	0.024	0.030	0.417	0.010	37.712	TRUE	3.45E-09
COPD in never smokers	IL6R	cg21262032	rs6427672	C	T	-0.731	0.027	0.233	2.86E-164	-0.042	0.020	0.033	0.168	745.675	TRUE	4.99E-146
COPD in never smokers	IL6R	cg21262032	rs79480105	A	G	-0.599	0.069	0.033	2.77E-18	0.004	0.040	0.916	0.020	76.009	TRUE	1.25E-17
COPD in never smokers	IL6R	cg21262032	rs9427103	G	A	-0.217	0.031	0.175	1.69E-12	-0.060	0.022	0.006	0.013	49.788	TRUE	9.11E-11
COPD in never smokers	IL6R	cg25135018	rs6427672	C	T	-0.246	0.028	0.233	7.14E-19	-0.042	0.020	0.033	0.021	78.682	TRUE	6.41E-17
COPD in never smokers	ING2	cg02075087	rs8872	C	T	0.242	0.030	0.199	2.98E-16	0.021	0.021	0.310	0.018	66.777	TRUE	3.76E-15
COPD in never smokers	ITGAM	cg00764981	rs9674009	C	A	0.295	0.023	0.461	7.43E-37	0.022	0.017	0.179	0.042	160.748	TRUE	3.68E-34
COPD in never smokers	ITGAM	cg02256631	rs34550882	T	C	-0.413	0.037	0.115	1.69E-29	-0.021	0.026	0.409	0.033	127.122	TRUE	9.79E-28
COPD in never smokers	ITGAM	cg02256631	rs56392848	A	G	0.427	0.025	0.318	1.06E-66	0.044	0.018	0.013	0.074	297.509	TRUE	3.18E-60
COPD in never smokers	ITGAM	cg02846316	rs1108431	T	C	-0.360	0.024	0.342	2.16E-50	0.034	0.017	0.046	0.057	222.733	TRUE	5.39E-46
COPD in never smokers	ITGAM	cg02846316	rs112766425	G	A	-0.457	0.050	0.055	4.46E-20	0.022	0.035	0.539	0.022	84.159	TRUE	5.22E-19
COPD in never smokers	ITGAM	cg02846316	rs11641202	A	G	-0.777	0.021	0.431	<1E-200	0.025	0.017	0.127	0.278	1427.662	TRUE	1.88E-267
COPD in never smokers	ITGAM	cg02846316	rs11861258	A	G	-0.450	0.067	0.058	2.63E-11	0.040	0.035	0.253	0.012	44.413	TRUE	1.94E-10
COPD in never smokers	ITGAM	cg02846316	rs12597684	C	A	-0.285	0.046	0.076	4.05E-10	0.043	0.031	0.165	0.010	39.066	TRUE	3.23E-09
COPD in never smokers	ITGAM	cg02846316	rs148702283	T	C	0.235	0.036	0.108	6.20E-11	0.000	0.027	0.997	0.011	42.734	TRUE	1.26E-10
COPD in never smokers	ITGAM	cg02846316	rs182339188	C	T	-0.397	0.064	0.037	5.72E-10	0.003	0.046	0.940	0.010	38.395	TRUE	1.16E-09
COPD in never smokers	ITGAM	cg02846316	rs2230428	A	G	0.413	0.029	0.190	1.19E-44	0.009	0.020	0.676	0.050	196.430	TRUE	2.73E-42
COPD in never smokers	ITGAM	cg02846316	rs2454907	A	G	0.271	0.032	0.156	3.66E-17	-0.031	0.023	0.182	0.019	70.912	TRUE	8.08E-16
COPD in never smokers	ITGAM	cg02846316	rs58408589	G	A	-0.499	0.032	0.156	2.26E-53	-0.028	0.023	0.219	0.060	236.387	TRUE	1.57E-49
COPD in never smokers	ITGAM	cg02846316	rs76133734	A	G	0.503	0.089	0.034	1.84E-08	-0.076	0.046	0.100	0.008	31.639	TRUE	1.42E-07

COPD in never smokers	ITGAM	cg05625471	rs1143679	A	G	-0.297	0.039	0.103	2.67E-14	-0.039	0.028	0.154	0.015	57.931	TRUE	4.28E-13
COPD in never smokers	ITGAM	cg05625471	rs4594268	T	C	0.377	0.025	0.319	5.59E-52	0.045	0.018	0.011	0.059	230.006	TRUE	7.20E-47
COPD in never smokers	ITGAM	cg05625471	rs4889655	T	C	0.138	0.024	0.387	1.07E-08	0.015	0.017	0.379	0.009	32.693	TRUE	4.21E-08
COPD in never smokers	ITGAM	cg05625471	rs9927295	A	G	-0.152	0.027	0.245	1.21E-08	-0.003	0.019	0.874	0.009	32.460	TRUE	2.38E-08
COPD in never smokers	ITGAM	cg08050115	rs2454907	A	G	0.199	0.032	0.156	7.04E-10	-0.031	0.023	0.182	0.010	37.988	TRUE	5.12E-09
COPD in never smokers	ITGAM	cg08050115	rs62057137	T	C	0.222	0.037	0.105	3.16E-09	0.031	0.027	0.243	0.009	35.064	TRUE	1.76E-08
COPD in never smokers	ITGAM	cg08050115	rs9674009	C	A	-0.376	0.023	0.461	1.33E-58	0.022	0.017	0.179	0.066	260.373	TRUE	3.33E-54
COPD in never smokers	ITGAM	cg09326409	rs3815801	C	T	0.171	0.025	0.330	6.44E-12	0.050	0.018	0.004	0.013	47.167	TRUE	3.40E-10
COPD in never smokers	ITGAM	cg09743950	rs12598380	T	C	0.285	0.024	0.385	1.05E-31	-0.039	0.017	0.022	0.036	137.194	TRUE	1.32E-28
COPD in never smokers	ITGAM	cg09743950	rs34550882	T	C	-0.519	0.037	0.115	7.97E-46	-0.021	0.026	0.409	0.052	201.808	TRUE	5.63E-43
COPD in never smokers	ITGAM	cg15337006	rs11641624	C	T	-0.159	0.025	0.317	3.14E-10	0.048	0.018	0.006	0.011	39.565	TRUE	9.83E-09
COPD in never smokers	ITGAM	cg15817542	rs1143678	T	C	-0.922	0.032	0.144	1.86E-183	-0.032	0.024	0.170	0.184	833.875	TRUE	1.09E-163
COPD in never smokers	ITGAM	cg15817542	rs78522165	A	G	0.309	0.048	0.060	1.15E-10	0.027	0.031	0.373	0.011	41.520	TRUE	5.94E-10
COPD in never smokers	ITGAM	cg15817542	rs8048583	T	C	0.407	0.025	0.332	5.64E-61	0.051	0.017	0.004	0.068	271.248	TRUE	1.39E-54
COPD in never smokers	ITGAV	cg03530967	rs17333634	C	T	0.314	0.052	0.049	2.01E-09	-0.017	0.034	0.616	0.010	35.940	TRUE	5.99E-09
COPD in never smokers	ITGAV	cg15732657	rs6741369	T	G	-0.329	0.027	0.259	6.16E-34	0.068	0.019	2.47E-04	0.038	147.400	TRUE	1.66E-29
COPD in never smokers	LAPTM4A	cg08323277	rs3731673	A	C	-0.199	0.029	0.205	4.95E-12	0.025	0.020	0.223	0.013	47.683	TRUE	4.41E-11
COPD in never smokers	LAPTM4A	cg11245806	rs13022175	T	C	0.219	0.023	0.437	1.13E-20	0.008	0.017	0.638	0.023	86.866	TRUE	1.14E-19
COPD in never smokers	LAPTM4A	cg11245806	rs1513830	C	T	-0.484	0.028	0.208	2.40E-65	0.027	0.020	0.183	0.073	291.294	TRUE	2.25E-60
COPD in never smokers	LAPTM4A	cg11245806	rs62109386	A	G	-0.205	0.028	0.227	3.70E-13	0.019	0.020	0.327	0.014	52.767	TRUE	2.93E-12
COPD in never smokers	LAPTM4A	cg11245806	rs62112220	A	G	-0.439	0.072	0.029	1.02E-09	0.004	0.051	0.940	0.010	37.266	TRUE	2.03E-09
COPD in never smokers	LAPTM4A	cg11245806	rs6747472	T	C	0.293	0.026	0.293	1.94E-29	-0.006	0.018	0.750	0.033	126.845	TRUE	4.39E-28
COPD in never smokers	LAPTM4A	cg11245806	rs6756290	G	T	0.140	0.024	0.439	2.80E-09	-0.009	0.017	0.572	0.009	35.297	TRUE	8.74E-09
COPD in never smokers	LAPTM4A	cg11645081	rs1947730	C	T	0.140	0.023	0.429	2.22E-09	0.034	0.017	0.039	0.010	35.755	TRUE	3.00E-08
COPD in never smokers	LAPTM4A	cg11645081	rs61193764	C	T	0.357	0.032	0.162	4.79E-29	-0.010	0.023	0.669	0.033	125.054	TRUE	1.26E-27
COPD in never smokers	LAPTM4A	cg17953136	rs6705765	G	A	0.220	0.024	0.366	2.11E-19	0.037	0.017	0.029	0.021	81.092	TRUE	2.25E-17
COPD in never smokers	LAPTM4A	cg17989428	rs12052278	A	G	0.248	0.033	0.146	3.70E-14	0.031	0.023	0.180	0.015	57.293	TRUE	5.22E-13
COPD in never smokers	LAPTM4A	cg19484160	rs6747472	T	C	0.196	0.026	0.293	2.23E-14	-0.006	0.018	0.750	0.016	58.283	TRUE	9.09E-14
COPD in never smokers	LAPTM4A	cg22201381	rs28380549	A	G	0.146	0.024	0.403	1.05E-09	0.018	0.017	0.289	0.010	37.216	TRUE	5.63E-09
COPD in never smokers	LAPTM4A	cg22201381	rs3754909	G	A	-0.236	0.025	0.357	9.58E-22	0.035	0.017	0.043	0.024	91.753	TRUE	1.23E-19
COPD in never smokers	LAPTM4A	cg23821541	rs6747472	T	C	0.285	0.025	0.293	4.90E-29	-0.006	0.018	0.750	0.033	125.008	TRUE	1.05E-27
COPD in never smokers	LOC401431	cg04817271	rs4141214	G	A	0.215	0.026	0.297	5.72E-17	0.026	0.018	0.153	0.019	70.034	TRUE	1.39E-15
COPD in never smokers	LOC401431	cg04817271	rs6947062	A	G	0.209	0.025	0.317	1.03E-16	0.021	0.018	0.223	0.018	68.878	TRUE	1.82E-15
COPD in never smokers	LOC401431	cg04817271	rs73168056	T	C	0.863	0.130	0.017	3.67E-11	0.038	0.062	0.536	0.012	43.758	TRUE	1.50E-10
COPD in never smokers	LOC401431	cg04817271	rs79377053	A	G	1.675	0.057	0.039	1.84E-191	0.040	0.042	0.335	0.191	870.668	TRUE	3.16E-171
COPD in never smokers	LYN	cg02410887	rs12155650	T	C	0.274	0.038	0.127	8.66E-13	0.052	0.024	0.028	0.014	51.099	TRUE	2.67E-11
COPD in never smokers	LYN	cg02508743	rs118002299	T	C	-0.629	0.094	0.018	2.45E-11	-0.040	0.060	0.503	0.012	44.550	TRUE	1.08E-10
COPD in never smokers	LYN	cg02508743	rs16922425	C	T	-0.172	0.026	0.491	1.78E-11	0.016	0.017	0.333	0.012	45.177	TRUE	1.11E-10
COPD in never smokers	LYN	cg02508743	rs28595219	T	C	-0.193	0.029	0.252	1.77E-11	0.024	0.019	0.199	0.012	45.183	TRUE	1.56E-10
COPD in never smokers	LYN	cg02508743	rs9650314	A	G	-0.611	0.032	0.183	1.54E-83	-0.004	0.021	0.839	0.092	374.776	TRUE	2.21E-78
COPD in never smokers	LYN	cg03973663	rs2667976	A	C	0.301	0.030	0.229	1.86E-23	0.003	0.019	0.864	0.026	99.548	TRUE	1.60E-22
COPD in never smokers	LYN	cg03973663	rs556194714	C	T	0.375	0.066	0.038	1.70E-08	0.044	0.049	0.374	0.009	31.793	TRUE	6.57E-08

COPD in never smokers	LYN	cg04132540	rs77035567	T	C	-0.443	0.061	0.045	6.08E-13	-0.011	0.040	0.781	0.014	51.791	TRUE	2.04E-12
COPD in never smokers	LYN	cg05997362	rs2667971	C	T	0.251	0.030	0.231	9.66E-17	0.003	0.019	0.879	0.018	69.001	TRUE	4.00E-16
COPD in never smokers	LYN	cg06818377	rs13249338	A	G	-0.147	0.026	0.406	1.39E-08	-0.043	0.017	0.011	0.009	32.181	TRUE	2.48E-07
COPD in never smokers	LYN	cg06818377	rs1470708	G	A	-0.159	0.026	0.387	9.71E-10	0.003	0.017	0.847	0.010	37.361	TRUE	2.18E-09
COPD in never smokers	LYN	cg06818377	rs72651454	G	A	0.509	0.033	0.166	3.90E-53	0.045	0.021	0.033	0.060	235.306	TRUE	2.39E-48
COPD in never smokers	LYN	cg06818377	rs72653977	G	A	0.423	0.065	0.039	1.03E-10	0.034	0.042	0.423	0.011	41.744	TRUE	4.84E-10
COPD in never smokers	LYN	cg06880721	rs6994646	C	T	-0.265	0.045	0.086	3.65E-09	-0.016	0.029	0.581	0.009	34.782	TRUE	1.11E-08
COPD in never smokers	LYN	cg06880721	rs72651467	G	T	0.201	0.035	0.158	7.82E-09	0.024	0.022	0.283	0.009	33.301	TRUE	3.76E-08
COPD in never smokers	LYN	cg08894788	rs12679916	T	C	-0.212	0.025	0.412	9.32E-17	0.024	0.017	0.145	0.018	69.072	TRUE	2.28E-15
COPD in never smokers	LYN	cg08894788	rs2271400	C	T	0.395	0.027	0.336	8.72E-50	-0.057	0.018	0.002	0.056	219.953	TRUE	3.07E-44
COPD in never smokers	LYN	cg17806401	rs113732653	C	A	0.398	0.064	0.042	3.52E-10	0.015	0.043	0.736	0.011	39.341	TRUE	9.57E-10
COPD in never smokers	LYN	cg24856456	rs9693980	A	G	-0.169	0.030	0.250	1.23E-08	0.010	0.019	0.581	0.009	32.420	TRUE	3.53E-08
COPD in never smokers	LYN	cg27004182	rs1546519	G	A	0.162	0.028	0.277	8.12E-09	-0.004	0.018	0.814	0.009	33.229	TRUE	1.75E-08
COPD in never smokers	MAP2K5	cg01362115	rs140450540	A	G	0.580	0.092	0.016	2.50E-10	0.068	0.065	0.293	0.011	40.008	TRUE	1.46E-09
COPD in never smokers	MAP2K5	cg08079166	rs4489954	T	G	0.186	0.025	0.296	2.79E-13	0.016	0.018	0.358	0.014	53.324	TRUE	2.09E-12
COPD in never smokers	MAP2K5	cg17973661	rs4514627	C	A	0.317	0.040	0.090	2.21E-15	0.042	0.028	0.130	0.017	62.839	TRUE	4.69E-14
COPD in never smokers	MAP2K5	cg17973661	rs8030456	T	C	-0.168	0.029	0.225	5.09E-09	0.001	0.020	0.959	0.009	34.136	TRUE	9.33E-09
COPD in never smokers	MAP2K5	cg19393677	rs2583585	G	A	-0.493	0.041	0.084	8.96E-34	0.040	0.029	0.160	0.038	146.658	TRUE	3.00E-31
COPD in never smokers	MAP2K5	cg19393677	rs745212	A	G	-0.202	0.025	0.332	3.03E-16	0.006	0.017	0.729	0.018	66.745	TRUE	1.56E-15
COPD in never smokers	MAP2K5	cg20055861	rs6494694	A	C	0.245	0.025	0.314	2.22E-22	0.021	0.018	0.230	0.025	94.643	TRUE	8.75E-21
COPD in never smokers	MAP2K5	cg20055861	rs73427943	T	C	-0.232	0.035	0.128	4.81E-11	0.027	0.024	0.268	0.012	43.228	TRUE	3.29E-10
COPD in never smokers	MAP2K5	cg24247231	rs138176505	G	A	0.654	0.077	0.021	1.96E-17	0.075	0.051	0.143	0.019	72.146	TRUE	5.38E-16
COPD in never smokers	MAP2K5	cg24247231	rs16951489	A	C	0.527	0.079	0.025	2.34E-11	-0.042	0.055	0.446	0.012	44.643	TRUE	1.14E-10
COPD in never smokers	MAP2K5	cg24247231	rs17300363	C	A	-0.239	0.040	0.087	2.27E-09	-0.066	0.029	0.024	0.010	35.704	TRUE	3.69E-08
COPD in never smokers	MAP2K5	cg24247231	rs3743353	C	T	1.338	0.035	0.083	<1E-200	0.042	0.029	0.143	0.284	1469.442	TRUE	1.27E-274
COPD in never smokers	MAP2K5	cg24247231	rs62016776	G	A	0.398	0.029	0.202	4.38E-44	0.035	0.020	0.085	0.050	193.840	TRUE	1.74E-40
COPD in never smokers	MAP2K5	cg25642180	rs201788262	A	G	-0.365	0.063	0.036	5.75E-09	0.009	0.043	0.841	0.009	33.898	TRUE	1.21E-08
COPD in never smokers	MAP2K5	cg27219399	rs11504677	A	G	0.514	0.072	0.028	8.62E-13	-0.015	0.049	0.761	0.014	51.107	TRUE	2.93E-12
COPD in never smokers	MAP2K5	cg27219399	rs12902812	A	G	0.691	0.026	0.260	1.93E-154	0.010	0.019	0.577	0.159	700.491	TRUE	1.50E-140
COPD in never smokers	MAP2K5	cg27219399	rs138206068	T	G	0.466	0.074	0.029	3.79E-10	0.017	0.048	0.727	0.010	39.198	TRUE	1.04E-09
COPD in never smokers	MAP2K5	cg27219399	rs1470002	A	G	0.192	0.024	0.394	2.71E-15	-0.041	0.017	0.016	0.017	62.432	TRUE	1.74E-13
COPD in never smokers	MAP2K5	cg27219399	rs17228212	C	T	-0.146	0.026	0.300	1.42E-08	0.011	0.018	0.541	0.009	32.143	TRUE	4.28E-08
COPD in never smokers	MAP2K5	cg27219399	rs338348	A	C	0.189	0.024	0.417	3.89E-15	0.000	0.017	0.996	0.016	61.722	TRUE	1.14E-14
COPD in never smokers	MAP2K5	cg27219399	rs4776367	G	A	-0.308	0.029	0.204	4.23E-27	0.034	0.020	0.093	0.030	116.170	TRUE	7.78E-25
COPD in never smokers	MAP2K5	cg27219399	rs74923405	T	C	0.446	0.057	0.042	5.40E-15	-0.036	0.040	0.363	0.016	61.078	TRUE	5.00E-14
COPD in never smokers	MAP2K5	cg27219399	rs7498094	C	T	0.132	0.023	0.458	2.06E-08	0.039	0.016	0.017	0.008	31.423	TRUE	3.05E-07
COPD in never smokers	MAP2K5	cg27219399	rs75379618	T	C	0.551	0.087	0.036	2.96E-10	0.038	0.042	0.368	0.011	39.679	TRUE	1.46E-09
COPD in never smokers	MAP2K5	cg27219399	rs8037951	A	C	-0.170	0.027	0.251	2.30E-10	-0.019	0.019	0.325	0.011	40.175	TRUE	1.25E-09
COPD in never smokers	MDM2	cg04667586	rs2701098	G	A	0.161	0.023	0.488	2.95E-12	-0.047	0.016	0.004	0.013	48.695	TRUE	1.69E-10
COPD in never smokers	MDM2	cg09781971	rs2279744	G	T	-0.144	0.024	0.355	2.56E-09	0.031	0.017	0.070	0.009	35.471	TRUE	2.70E-08
COPD in never smokers	MDM2	cg11603030	rs10748111	T	C	-0.183	0.024	0.355	3.55E-14	0.035	0.017	0.045	0.015	57.375	TRUE	1.13E-12
COPD in never smokers	MDM2	cg24703804	rs9634296	A	G	-0.135	0.025	0.329	4.58E-08	0.036	0.018	0.038	0.008	29.870	TRUE	4.77E-07

COPD in never smokers	MNT	cg27406664	rs12951951	C	T	0.378	0.026	0.256	2.90E-46	-0.029	0.019	0.120	0.052	203.817	TRUE	1.19E-42
COPD in never smokers	MNT	cg27406664	rs1970835	G	A	0.576	0.025	0.278	3.09E-113	0.013	0.018	0.496	0.121	511.160	TRUE	2.47E-104
COPD in never smokers	MNT	cg27406664	rs216175	C	A	0.402	0.032	0.159	2.51E-36	-0.017	0.022	0.432	0.041	158.329	TRUE	3.65E-34
COPD in never smokers	MNT	cg27406664	rs216205	C	T	-0.395	0.027	0.247	5.00E-48	0.010	0.019	0.613	0.054	211.898	TRUE	2.38E-45
COPD in never smokers	MNT	cg27406664	rs2317225	G	A	0.139	0.024	0.395	7.00E-09	-0.003	0.017	0.863	0.009	33.518	TRUE	1.43E-08
COPD in never smokers	MNT	cg27406664	rs2429918	A	C	0.715	0.111	0.028	1.34E-10	-0.108	0.049	0.029	0.011	41.229	TRUE	2.60E-09
COPD in never smokers	MNT	cg27406664	rs2429919	A	C	0.896	0.019	0.386	<1E-200	-0.039	0.017	0.025	0.370	2169.027	TRUE	<1E-200
COPD in never smokers	MNT	cg27406664	rs35110958	T	C	-0.196	0.027	0.245	1.66E-13	0.039	0.019	0.037	0.014	54.344	TRUE	5.16E-12
COPD in never smokers	MNT	cg27406664	rs373137716	C	A	0.264	0.027	0.246	1.11E-22	0.005	0.019	0.782	0.025	96.025	TRUE	1.04E-21
COPD in never smokers	MNT	cg27406664	rs3752962	C	T	-0.275	0.025	0.313	9.51E-28	0.022	0.018	0.217	0.031	119.127	TRUE	8.90E-26
COPD in never smokers	MNT	cg27406664	rs3826335	A	G	0.562	0.090	0.045	3.92E-10	0.005	0.039	0.902	0.010	39.133	TRUE	8.48E-10
COPD in never smokers	MNT	cg27406664	rs56836279	C	T	0.696	0.108	0.013	1.29E-10	0.017	0.065	0.793	0.011	41.296	TRUE	3.39E-10
COPD in never smokers	MNT	cg27406664	rs61733100	A	G	0.411	0.058	0.043	9.26E-13	-0.052	0.040	0.199	0.014	50.967	TRUE	9.92E-12
COPD in never smokers	MNT	cg27406664	rs61742229	A	G	-0.551	0.064	0.090	6.21E-18	0.031	0.028	0.279	0.020	74.413	TRUE	1.08E-16
COPD in never smokers	MNT	cg27406664	rs62067978	A	G	-0.191	0.029	0.194	5.91E-11	0.062	0.020	0.002	0.011	42.828	TRUE	3.07E-09
COPD in never smokers	MNT	cg27406664	rs66494490	T	C	-0.515	0.054	0.046	2.05E-21	-0.038	0.037	0.301	0.024	90.244	TRUE	5.43E-20
COPD in never smokers	MNT	cg27406664	rs72824333	G	A	0.477	0.035	0.137	1.86E-43	-0.031	0.025	0.221	0.049	190.966	TRUE	2.17E-40
COPD in never smokers	MNT	cg27406664	rs74415860	A	G	0.724	0.053	0.047	3.63E-42	0.049	0.037	0.183	0.048	185.056	TRUE	4.32E-39
COPD in never smokers	MSH6	cg02905881	rs3136292	C	T	-0.244	0.025	0.306	3.53E-22	-0.028	0.018	0.114	0.025	93.728	TRUE	2.45E-20
COPD in never smokers	MSH6	cg02905881	rs77503991	T	C	-0.225	0.030	0.174	1.14E-13	-0.044	0.022	0.045	0.015	55.084	TRUE	3.30E-12
COPD in never smokers	MSH6	cg04781916	rs28625843	C	T	-0.158	0.027	0.250	3.94E-09	0.034	0.019	0.066	0.009	34.637	TRUE	4.09E-08
COPD in never smokers	MSH6	cg04781916	rs3136230	T	C	0.623	0.037	0.109	1.32E-64	-0.042	0.027	0.119	0.072	287.896	TRUE	1.98E-59
COPD in never smokers	MSH6	cg04781916	rs57827032	T	C	0.175	0.027	0.258	5.15E-11	-0.020	0.018	0.271	0.012	43.095	TRUE	3.48E-10
COPD in never smokers	MSH6	cg04781916	rs62137054	T	C	0.177	0.026	0.268	1.70E-11	-0.019	0.018	0.302	0.012	45.269	TRUE	1.14E-10
COPD in never smokers	MSH6	cg05039065	rs3136230	T	C	-0.329	0.037	0.109	2.39E-19	-0.042	0.027	0.119	0.021	80.846	TRUE	1.02E-17
COPD in never smokers	MSH6	cg15355298	rs1800935	C	T	-0.141	0.025	0.305	2.58E-08	-0.026	0.018	0.140	0.008	30.981	TRUE	1.66E-07
COPD in never smokers	MSH6	cg16595246	rs3136230	T	C	-0.261	0.037	0.109	1.14E-12	-0.042	0.027	0.119	0.013	50.566	TRUE	1.65E-11
COPD in never smokers	MSH6	cg19570558	rs62139916	T	G	-0.402	0.030	0.195	1.15E-41	0.038	0.021	0.067	0.047	182.757	TRUE	3.71E-38
COPD in never smokers	MTF1	cg13567986	rs111956467	T	C	-0.215	0.030	0.197	5.01E-13	0.006	0.020	0.748	0.014	52.172	TRUE	1.78E-12
COPD in never smokers	MTF1	cg13567986	rs1480343	T	C	0.288	0.042	0.092	1.01E-11	-0.067	0.032	0.037	0.012	46.275	TRUE	2.22E-10
COPD in never smokers	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	-0.028	0.026	0.279	0.009	33.747	TRUE	3.06E-08
COPD in never smokers	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	0.053	0.017	0.002	0.010	37.260	TRUE	4.30E-08
COPD in never smokers	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	0.029	0.016	0.082	0.016	58.608	TRUE	4.58E-13
COPD in never smokers	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	-0.039	0.053	0.466	0.012	43.052	TRUE	2.38E-10
COPD in never smokers	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	0.016	0.040	0.699	0.008	29.937	TRUE	1.02E-07
COPD in never smokers	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	-0.005	0.026	0.855	0.010	35.627	TRUE	5.08E-09
COPD in never smokers	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	0.002	0.018	0.922	0.011	40.101	TRUE	5.12E-10
COPD in never smokers	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	0.014	0.017	0.387	0.016	59.363	TRUE	1.07E-13
COPD in never smokers	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	-0.044	0.027	0.099	0.018	69.319	TRUE	2.63E-15
COPD in never smokers	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	0.128	0.040	0.001	0.020	73.825	TRUE	2.66E-15
COPD in never smokers	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	0.050	0.029	0.090	0.011	42.813	TRUE	7.49E-10
COPD in never smokers	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	0.007	0.017	0.681	0.105	436.012	TRUE	3.82E-90

COPD in never smokers	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	-0.025	0.020	0.219	0.009	34.701	TRUE	2.23E-08
COPD in never smokers	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	-0.016	0.018	0.357	0.027	102.085	TRUE	1.64E-22
COPD in never smokers	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	0.051	0.038	0.180	0.013	47.353	TRUE	5.91E-11
COPD in never smokers	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	-0.019	0.021	0.376	0.027	103.029	TRUE	9.88E-23
COPD in never smokers	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	0.022	0.017	0.200	0.034	131.110	TRUE	3.46E-28
COPD in never smokers	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	-0.016	0.018	0.357	0.009	31.786	TRUE	6.79E-08
COPD in never smokers	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	-0.057	0.042	0.173	0.035	135.131	TRUE	6.10E-29
COPD in never smokers	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	-0.037	0.016	0.023	0.018	67.714	TRUE	1.27E-14
COPD in never smokers	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	-0.041	0.016	0.012	0.012	43.170	TRUE	1.47E-09
COPD in never smokers	MYH14	cg00919509	rs7255564	A	G	0.532	0.080	0.040	3.21E-11	-0.010	0.045	0.827	0.012	44.018	TRUE	8.51E-11
COPD in never smokers	MYH14	cg02652072	rs584020	A	G	-0.506	0.060	0.043	4.38E-17	-0.029	0.044	0.510	0.019	70.557	TRUE	3.79E-16
COPD in never smokers	MYH14	cg02652072	rs589028	G	A	-0.518	0.024	0.358	6.84E-107	0.025	0.017	0.146	0.115	482.013	TRUE	1.62E-97
COPD in never smokers	MYH14	cg02652072	rs67103883	G	A	0.322	0.032	0.162	7.92E-24	0.029	0.023	0.202	0.027	101.242	TRUE	4.37E-22
COPD in never smokers	MYH14	cg02652072	rs7259185	A	G	0.147	0.027	0.243	3.21E-08	0.001	0.018	0.974	0.008	30.561	TRUE	5.42E-08
COPD in never smokers	MYH14	cg03182113	rs10416029	G	A	-0.463	0.077	0.027	1.63E-09	-0.029	0.049	0.551	0.010	36.356	TRUE	5.38E-09
COPD in never smokers	MYH14	cg03585888	rs589028	G	A	0.211	0.024	0.358	3.10E-18	0.025	0.017	0.146	0.020	75.782	TRUE	9.53E-17
COPD in never smokers	MYH14	cg03585888	rs638286	A	G	-0.205	0.032	0.489	2.39E-10	0.015	0.017	0.351	0.011	40.098	TRUE	1.23E-09
COPD in never smokers	MYH14	cg03585888	rs6509458	A	G	-0.139	0.023	0.474	3.39E-09	0.022	0.017	0.196	0.009	34.929	TRUE	2.13E-08
COPD in never smokers	MYH14	cg06553312	rs10416029	G	A	-0.765	0.077	0.027	1.67E-23	-0.029	0.049	0.551	0.026	99.770	TRUE	2.90E-22
COPD in never smokers	MYH14	cg07555272	rs145276601	T	C	-0.474	0.079	0.026	1.61E-09	-0.018	0.049	0.715	0.010	36.382	TRUE	4.21E-09
COPD in never smokers	MYH14	cg08183141	rs372342456	G	A	-0.683	0.076	0.027	4.42E-19	-0.018	0.050	0.724	0.021	79.630	TRUE	3.12E-18
COPD in never smokers	MYH14	cg10229905	rs12973089	C	T	-0.182	0.031	0.162	5.13E-09	-0.040	0.023	0.080	0.009	34.120	TRUE	4.82E-08
COPD in never smokers	MYH14	cg10229905	rs142251009	G	T	-1.231	0.082	0.019	2.05E-50	0.011	0.055	0.848	0.057	222.839	TRUE	6.69E-48
COPD in never smokers	MYH14	cg10229905	rs201622360	A	G	-0.393	0.054	0.068	3.69E-13	0.003	0.033	0.923	0.014	52.770	TRUE	1.02E-12
COPD in never smokers	MYH14	cg10229905	rs73061154	G	A	-0.387	0.051	0.053	3.64E-14	0.025	0.035	0.467	0.015	57.324	TRUE	2.41E-13
COPD in never smokers	MYH14	cg10639981	rs117650234	A	G	-0.216	0.030	0.187	1.38E-12	0.063	0.021	0.002	0.013	50.183	TRUE	1.03E-10
COPD in never smokers	MYH14	cg10639981	rs630283	G	A	-0.166	0.024	0.471	3.35E-12	0.055	0.017	9.37E-04	0.013	48.448	TRUE	3.07E-10
COPD in never smokers	MYH14	cg12301087	rs117650234	A	G	-0.176	0.030	0.187	7.35E-09	0.063	0.021	0.002	0.009	33.421	TRUE	2.16E-07
COPD in never smokers	MYH14	cg17889586	rs1078446	A	G	-0.152	0.026	0.297	2.96E-09	-0.014	0.018	0.436	0.009	35.189	TRUE	1.14E-08
COPD in never smokers	MYH14	cg17889586	rs7259185	A	G	0.148	0.027	0.243	3.27E-08	0.001	0.018	0.974	0.008	30.522	TRUE	5.52E-08
COPD in never smokers	MYH14	cg22022379	rs1651553	A	G	0.390	0.037	0.245	6.75E-26	-0.015	0.019	0.429	0.029	110.678	TRUE	2.23E-24
COPD in never smokers	MYH14	cg22022379	rs73070934	T	C	-0.192	0.035	0.322	2.86E-08	0.029	0.018	0.105	0.008	30.781	TRUE	2.09E-07
COPD in never smokers	MYH14	cg23268322	rs2017387	A	G	0.164	0.030	0.206	3.89E-08	-0.014	0.021	0.491	0.008	30.189	TRUE	1.19E-07
COPD in never smokers	MYH14	cg23268322	rs659442	A	G	0.445	0.060	0.043	1.57E-13	-0.028	0.044	0.516	0.015	54.448	TRUE	8.78E-13
COPD in never smokers	MYH14	cg23268322	rs73070934	T	C	-0.249	0.035	0.322	7.34E-13	0.029	0.018	0.105	0.014	51.424	TRUE	1.18E-11
COPD in never smokers	MYH14	cg23268322	rs788332	A	C	-0.130	0.024	0.403	4.98E-08	-0.001	0.017	0.950	0.008	29.709	TRUE	8.52E-08
COPD in never smokers	MYH14	cg25311666	rs189073439	T	C	-0.310	0.053	0.050	5.02E-09	0.021	0.036	0.556	0.009	34.165	TRUE	1.55E-08
COPD in never smokers	NCOA4	cg00302587	rs10822298	C	T	0.240	0.026	0.281	5.80E-21	0.014	0.018	0.435	0.023	88.192	TRUE	9.76E-20
COPD in never smokers	NCOA4	cg01315067	rs10822298	C	T	0.402	0.026	0.281	5.33E-56	0.014	0.018	0.435	0.063	248.432	TRUE	1.93E-52
COPD in never smokers	NCOA4	cg01330312	rs10822298	C	T	0.218	0.026	0.281	3.91E-17	0.014	0.018	0.435	0.019	70.785	TRUE	4.02E-16
COPD in never smokers	NCOA4	cg06098215	rs11006462	G	A	0.498	0.023	0.468	4.30E-104	0.038	0.017	0.022	0.113	469.160	TRUE	8.52E-94
COPD in never smokers	NCOA4	cg06298701	rs11006489	A	G	0.227	0.024	0.434	7.81E-22	0.028	0.017	0.097	0.024	92.158	TRUE	5.80E-20

COPD in never smokers	NCOA4	cg06801028	rs10822298	C	T	0.322	0.026	0.281	9.72E-36	0.014	0.018	0.435	0.040	155.642	TRUE	1.28E-33
COPD in never smokers	NCOA4	cg06801028	rs7477953	G	A	0.252	0.024	0.467	9.21E-27	0.038	0.017	0.022	0.030	114.626	TRUE	4.51E-24
COPD in never smokers	NCOA4	cg06860721	rs7477953	G	A	-0.193	0.023	0.467	1.86E-16	0.038	0.017	0.022	0.018	67.712	TRUE	1.29E-14
COPD in never smokers	NCOA4	cg11501931	rs11006462	G	A	0.170	0.023	0.468	3.77E-13	0.038	0.017	0.022	0.014	52.729	TRUE	1.37E-11
COPD in never smokers	NCOA4	cg12178669	rs7477953	G	A	0.459	0.023	0.467	6.63E-88	0.038	0.017	0.022	0.096	394.824	TRUE	1.83E-79
COPD in never smokers	NCOA4	cg13859860	rs10822298	C	T	0.280	0.026	0.281	1.78E-27	0.014	0.018	0.435	0.031	117.889	TRUE	7.16E-26
COPD in never smokers	NCOA4	cg13859860	rs11006489	A	G	0.215	0.024	0.434	1.20E-19	0.028	0.017	0.097	0.022	82.203	TRUE	6.23E-18
COPD in never smokers	NCOA4	cg14450605	rs7477953	G	A	0.130	0.024	0.467	3.27E-08	0.038	0.017	0.022	0.008	30.526	TRUE	4.23E-07
COPD in never smokers	NCOA4	cg16814786	rs10822298	C	T	0.170	0.026	0.281	5.69E-11	0.014	0.018	0.435	0.011	42.902	TRUE	2.71E-10
COPD in never smokers	NCOA4	cg16814786	rs11006462	G	A	0.422	0.023	0.468	6.48E-74	0.038	0.017	0.022	0.082	330.606	TRUE	5.86E-67
COPD in never smokers	NCOA4	cg17620335	rs10822298	C	T	0.412	0.026	0.281	6.81E-58	0.014	0.018	0.435	0.065	257.116	TRUE	3.46E-54
COPD in never smokers	NCOA4	cg17620335	rs10994294	T	C	0.308	0.049	0.062	3.47E-10	0.028	0.034	0.410	0.011	39.369	TRUE	1.57E-09
COPD in never smokers	NCOA4	cg17620335	rs11006489	A	G	0.300	0.024	0.434	1.05E-36	0.028	0.017	0.097	0.041	160.065	TRUE	9.68E-34
COPD in never smokers	NCOA4	cg19322864	rs11006462	G	A	0.180	0.023	0.468	1.40E-14	0.038	0.017	0.022	0.016	59.204	TRUE	6.75E-13
COPD in never smokers	NCOA4	cg20166027	rs10822298	C	T	0.478	0.025	0.281	2.06E-78	0.014	0.018	0.435	0.087	351.248	TRUE	5.95E-73
COPD in never smokers	NCOA4	cg20166027	rs10994294	T	C	0.268	0.049	0.062	4.88E-08	0.028	0.034	0.410	0.008	29.747	TRUE	1.67E-07
COPD in never smokers	NCOA4	cg20166027	rs4304716	A	G	0.216	0.024	0.440	9.16E-20	0.027	0.017	0.107	0.022	82.738	TRUE	4.49E-18
COPD in never smokers	NCOA4	cg22566058	rs10822298	C	T	0.162	0.026	0.281	3.67E-10	0.014	0.018	0.435	0.011	39.260	TRUE	1.58E-09
COPD in never smokers	NCOA4	cg23849965	rs11006462	G	A	-0.161	0.023	0.468	4.45E-12	0.038	0.017	0.022	0.013	47.888	TRUE	1.31E-10
COPD in never smokers	NCOA4	cg24035962	rs11006462	G	A	0.132	0.023	0.468	1.36E-08	0.038	0.017	0.022	0.009	32.222	TRUE	1.92E-07
COPD in never smokers	NLRC4	cg14625450	rs212756	A	G	0.288	0.023	0.442	4.44E-36	-0.036	0.017	0.028	0.041	157.198	TRUE	1.07E-32
COPD in never smokers	NLRC4	cg14625450	rs438408	G	A	0.147	0.024	0.329	2.17E-09	-0.008	0.018	0.656	0.010	35.793	TRUE	6.08E-09
COPD in never smokers	NLRC4	cg22713339	rs138116467	T	C	-1.570	0.115	0.011	2.08E-42	0.026	0.064	0.683	0.048	186.165	TRUE	3.33E-40
COPD in never smokers	NLRP6	cg02925222	rs6421985	A	C	0.320	0.040	0.110	1.97E-15	-0.009	0.028	0.741	0.017	63.065	TRUE	9.05E-15
COPD in never smokers	NLRP6	cg02925222	rs6598050	G	A	0.134	0.024	0.400	1.70E-08	-0.021	0.017	0.209	0.009	31.795	TRUE	9.21E-08
COPD in never smokers	NLRP6	cg02925222	rs760060	A	G	0.233	0.032	0.355	2.92E-13	-0.009	0.018	0.597	0.014	53.233	TRUE	1.37E-12
COPD in never smokers	NLRP6	cg03009397	rs2242567	A	G	-0.202	0.023	0.470	6.16E-18	0.011	0.017	0.508	0.020	74.429	TRUE	5.94E-17
COPD in never smokers	NLRP6	cg03009397	rs521922	G	A	0.196	0.026	0.278	7.89E-14	0.036	0.018	0.053	0.015	55.803	TRUE	2.16E-12
COPD in never smokers	NLRP6	cg08961832	rs12793187	T	C	-0.301	0.029	0.212	4.29E-25	0.003	0.021	0.879	0.028	107.017	TRUE	4.29E-24
COPD in never smokers	NLRP6	cg08961832	rs577259	T	C	0.233	0.028	0.210	1.44E-16	0.027	0.026	0.297	0.018	68.210	TRUE	1.97E-15
COPD in never smokers	NLRP6	cg08961832	rs7944204	T	C	-0.216	0.034	0.143	2.00E-10	-0.038	0.023	0.103	0.011	40.443	TRUE	2.15E-09
COPD in never smokers	NLRP6	cg08961832	rs9704354	A	G	0.159	0.024	0.379	5.05E-11	0.034	0.017	0.045	0.012	43.134	TRUE	8.95E-10
COPD in never smokers	NLRP6	cg09205751	rs56412729	A	C	0.224	0.028	0.217	4.20E-15	0.013	0.021	0.533	0.016	61.569	TRUE	2.74E-14
COPD in never smokers	NLRP6	cg09205751	rs7950638	G	A	-0.180	0.029	0.200	4.50E-10	-0.014	0.021	0.487	0.010	38.861	TRUE	1.75E-09
COPD in never smokers	NLRP6	cg10330545	rs28365927	A	G	-0.248	0.035	0.131	2.04E-12	-0.030	0.024	0.201	0.013	49.415	TRUE	2.06E-11
COPD in never smokers	NLRP6	cg10330545	rs521922	G	A	0.257	0.026	0.278	9.12E-23	0.036	0.018	0.053	0.025	96.404	TRUE	1.21E-20
COPD in never smokers	NLRP6	cg10330545	rs6421985	A	C	-0.445	0.040	0.110	1.26E-28	-0.009	0.028	0.741	0.032	123.128	TRUE	2.64E-27
COPD in never smokers	NLRP6	cg11717054	rs2242567	A	G	-0.140	0.024	0.470	2.58E-09	0.011	0.017	0.508	0.009	35.460	TRUE	8.89E-09
COPD in never smokers	NLRP6	cg11717054	rs55781332	G	A	0.201	0.028	0.226	5.70E-13	0.015	0.020	0.451	0.014	51.918	TRUE	3.37E-12
COPD in never smokers	NLRP6	cg11717054	rs7937440	T	C	-0.150	0.025	0.319	3.00E-09	0.007	0.018	0.717	0.009	35.164	TRUE	7.64E-09
COPD in never smokers	NLRP6	cg16293853	rs56780729	T	C	0.185	0.028	0.222	7.37E-11	0.020	0.021	0.360	0.011	42.396	TRUE	4.00E-10
COPD in never smokers	NLRP6	cg18016138	rs2242567	A	G	-0.168	0.024	0.470	1.14E-12	0.011	0.017	0.508	0.013	50.567	TRUE	5.82E-12

COPD in never smokers	NLRP6	cg18016138	rs521922	G	A	0.241	0.026	0.278	5.41E-20	0.036	0.018	0.053	0.022	83.780	TRUE	4.42E-18
COPD in never smokers	NLRP6	cg18016138	rs71487220	T	C	-0.249	0.029	0.181	3.06E-17	0.007	0.021	0.759	0.019	71.265	TRUE	1.65E-16
COPD in never smokers	NLRP6	cg22205544	rs10902119	C	T	0.610	0.023	0.392	2.86E-151	0.018	0.018	0.300	0.156	685.922	TRUE	6.00E-137
COPD in never smokers	NLRP6	cg22205544	rs12292748	A	G	-0.801	0.144	0.015	2.77E-08	-0.002	0.064	0.969	0.008	30.846	TRUE	4.73E-08
COPD in never smokers	NLRP6	cg22205544	rs151178852	A	G	0.523	0.078	0.021	2.40E-11	0.005	0.056	0.924	0.012	44.590	TRUE	5.60E-11
COPD in never smokers	NLRP6	cg22205544	rs3817639	C	T	-0.323	0.053	0.122	7.69E-10	0.011	0.025	0.656	0.010	37.817	TRUE	2.26E-09
COPD in never smokers	NLRP6	cg22205544	rs6421985	A	C	-0.343	0.040	0.110	1.68E-17	-0.009	0.028	0.741	0.019	72.445	TRUE	9.66E-17
COPD in never smokers	NLRP6	cg22205544	rs79248624	A	G	0.214	0.029	0.192	1.62E-13	-0.007	0.021	0.749	0.014	54.391	TRUE	6.04E-13
COPD in never smokers	NLRP6	cg22205544	rs7937440	T	C	0.268	0.025	0.319	1.69E-26	0.007	0.018	0.717	0.030	113.418	TRUE	2.88E-25
COPD in never smokers	NLRP6	cg22280068	rs10714	A	G	-0.488	0.062	0.039	2.46E-15	0.085	0.045	0.060	0.017	62.625	TRUE	8.24E-14
COPD in never smokers	NLRP6	cg22280068	rs11246003	G	T	0.324	0.059	0.040	4.13E-08	-0.044	0.041	0.285	0.008	30.071	TRUE	1.78E-07
COPD in never smokers	NLRP6	cg22280068	rs11246014	C	A	0.285	0.025	0.289	2.88E-29	-0.005	0.020	0.797	0.033	126.061	TRUE	5.70E-28
COPD in never smokers	NLRP6	cg22280068	rs144507767	A	C	-0.357	0.027	0.251	3.00E-40	0.021	0.019	0.278	0.045	176.278	TRUE	1.51E-37
COPD in never smokers	NLRP6	cg22280068	rs149212517	G	A	-0.651	0.091	0.017	7.55E-13	-0.216	0.079	0.006	0.014	51.368	TRUE	4.27E-11
COPD in never smokers	NLRP6	cg22280068	rs34467189	T	C	0.228	0.039	0.277	3.65E-09	-0.006	0.021	0.770	0.009	34.785	TRUE	8.58E-09
COPD in never smokers	NLRP6	cg22280068	rs6421983	T	C	0.204	0.024	0.468	5.38E-18	0.022	0.017	0.186	0.020	74.695	TRUE	1.32E-16
COPD in never smokers	NLRP6	cg22280068	rs7396066	C	T	-0.293	0.030	0.190	3.71E-23	-0.010	0.021	0.636	0.026	98.186	TRUE	5.06E-22
COPD in never smokers	NLRP6	cg22331032	rs2242567	A	G	-0.131	0.023	0.470	2.76E-08	0.011	0.017	0.508	0.008	30.852	TRUE	8.42E-08
COPD in never smokers	NLRP6	cg22331032	rs521922	G	A	0.195	0.026	0.278	9.88E-14	0.036	0.018	0.053	0.015	55.361	TRUE	2.66E-12
COPD in never smokers	NLRP6	cg23437420	rs521922	G	A	0.210	0.026	0.278	1.27E-15	0.036	0.018	0.053	0.017	63.929	TRUE	4.79E-14
COPD in never smokers	NLRP6	cg23437420	rs7947278	A	G	-0.160	0.023	0.466	8.45E-12	0.012	0.017	0.483	0.012	46.632	TRUE	4.08E-11
COPD in never smokers	OGG1	cg02860797	rs141796408	T	C	1.463	0.109	0.013	3.15E-41	-0.058	0.079	0.458	0.047	180.761	TRUE	8.81E-39
COPD in never smokers	OGG1	cg02860797	rs2269112	T	C	0.237	0.031	0.171	3.45E-14	-0.019	0.022	0.376	0.015	57.426	TRUE	2.80E-13
COPD in never smokers	OGG1	cg02860797	rs4686373	A	G	0.339	0.043	0.081	4.58E-15	-0.033	0.030	0.272	0.016	61.398	TRUE	5.46E-14
COPD in never smokers	OGG1	cg25207828	rs141796408	T	C	1.237	0.109	0.013	9.77E-30	-0.058	0.079	0.458	0.033	128.205	TRUE	5.02E-28
COPD in never smokers	OGG1	cg25207828	rs159155	G	A	-0.209	0.036	0.262	8.99E-09	0.032	0.019	0.082	0.009	33.031	TRUE	7.99E-08
COPD in never smokers	OGG1	cg25207828	rs2269109	G	A	0.223	0.031	0.178	7.08E-13	-0.020	0.021	0.356	0.014	51.494	TRUE	5.05E-12
COPD in never smokers	OGG1	cg25207828	rs4686373	A	G	0.307	0.043	0.081	1.18E-12	-0.033	0.030	0.272	0.013	50.495	TRUE	1.00E-11
COPD in never smokers	OGG1	cg25415932	rs141796408	T	C	1.306	0.109	0.013	5.14E-33	-0.058	0.079	0.458	0.037	143.191	TRUE	4.20E-31
COPD in never smokers	OGG1	cg25415932	rs2269112	T	C	0.225	0.031	0.171	7.45E-13	-0.019	0.022	0.376	0.014	51.395	TRUE	5.07E-12
COPD in never smokers	OGG1	cg25415932	rs4686373	A	G	0.331	0.043	0.081	2.35E-14	-0.033	0.030	0.272	0.015	58.187	TRUE	2.53E-13
COPD in never smokers	ORMDL3	cg04308185	rs1467258	G	A	0.220	0.034	0.141	7.97E-11	-0.039	0.023	0.095	0.011	42.242	TRUE	9.54E-10
COPD in never smokers	ORMDL3	cg04308185	rs35557848	T	C	-0.426	0.027	0.235	1.74E-54	-0.031	0.019	0.110	0.061	241.491	TRUE	3.76E-50
COPD in never smokers	ORMDL3	cg04308185	rs3744246	T	C	0.446	0.029	0.216	4.48E-55	-0.037	0.020	0.068	0.062	244.194	TRUE	1.89E-50
COPD in never smokers	ORMDL3	cg04308185	rs4795396	T	C	0.708	0.114	0.013	5.78E-10	0.032	0.074	0.669	0.010	38.372	TRUE	1.69E-09
COPD in never smokers	ORMDL3	cg08932654	rs35557848	T	C	-0.432	0.027	0.235	4.99E-56	-0.031	0.019	0.110	0.063	248.563	TRUE	1.46E-51
COPD in never smokers	ORMDL3	cg08932654	rs3744246	T	C	0.255	0.029	0.216	1.08E-18	-0.037	0.020	0.068	0.021	77.865	TRUE	6.00E-17
COPD in never smokers	ORMDL3	cg08932654	rs407307	A	G	0.218	0.025	0.324	5.19E-18	0.055	0.018	0.002	0.020	74.766	TRUE	1.50E-15
COPD in never smokers	ORMDL3	cg08932654	rs4795396	T	C	0.670	0.114	0.013	4.49E-09	0.032	0.074	0.669	0.009	34.380	TRUE	1.20E-08
COPD in never smokers	ORMDL3	cg08932654	rs7502966	C	T	-0.144	0.024	0.427	1.31E-09	-0.039	0.017	0.023	0.010	36.786	TRUE	2.28E-08
COPD in never smokers	ORMDL3	cg10444806	rs35557848	T	C	-0.350	0.028	0.235	4.15E-37	-0.031	0.019	0.110	0.042	161.907	TRUE	3.62E-34
COPD in never smokers	ORMDL3	cg10444806	rs3744246	T	C	0.340	0.029	0.216	2.11E-32	-0.037	0.020	0.068	0.037	140.381	TRUE	1.25E-29

COPD in never smokers	ORMDL3	cg10909506	rs11078916	T	C	-0.302	0.026	0.284	7.40E-31	0.043	0.018	0.019	0.035	133.325	TRUE	8.75E-28
COPD in never smokers	ORMDL3	cg10909506	rs12946335	T	C	0.646	0.116	0.019	2.25E-08	-0.014	0.060	0.812	0.008	31.249	TRUE	4.67E-08
COPD in never smokers	ORMDL3	cg10909506	rs192665233	A	C	-0.475	0.078	0.039	1.16E-09	0.004	0.043	0.927	0.010	37.018	TRUE	2.33E-09
COPD in never smokers	ORMDL3	cg10909506	rs2060941	T	G	0.560	0.033	0.148	1.72E-66	-0.042	0.024	0.082	0.074	296.541	TRUE	6.32E-61
COPD in never smokers	ORMDL3	cg10909506	rs35797841	T	C	-0.331	0.058	0.035	1.32E-08	0.016	0.041	0.702	0.009	32.284	TRUE	3.21E-08
COPD in never smokers	ORMDL3	cg10909506	rs4065275	A	G	0.740	0.021	0.497	5.62E-282	-0.054	0.016	0.001	0.258	1286.897	TRUE	2.48E-239
COPD in never smokers	ORMDL3	cg10909506	rs471692	T	C	0.191	0.030	0.197	2.86E-10	0.017	0.021	0.413	0.011	39.744	TRUE	1.30E-09
COPD in never smokers	ORMDL3	cg10909506	rs534012	C	T	0.188	0.032	0.162	6.35E-09	-0.009	0.022	0.675	0.009	33.705	TRUE	1.65E-08
COPD in never smokers	ORMDL3	cg10909506	rs55913526	T	C	-0.508	0.043	0.077	7.28E-33	0.027	0.030	0.365	0.037	142.498	TRUE	8.02E-31
COPD in never smokers	ORMDL3	cg10909506	rs62065216	A	G	-0.263	0.024	0.417	8.33E-29	0.067	0.017	5.58E-05	0.032	123.955	TRUE	1.27E-24
COPD in never smokers	ORMDL3	cg10909506	rs62065258	A	G	-0.265	0.028	0.248	5.77E-22	0.001	0.019	0.951	0.024	92.755	TRUE	3.55E-21
COPD in never smokers	ORMDL3	cg10909506	rs72825201	C	A	0.370	0.050	0.061	1.88E-13	-0.069	0.034	0.041	0.014	54.094	TRUE	5.50E-12
COPD in never smokers	ORMDL3	cg10909506	rs72832972	T	C	-0.380	0.046	0.072	1.44E-16	-0.049	0.030	0.105	0.018	68.213	TRUE	4.26E-15
COPD in never smokers	ORMDL3	cg10909506	rs73985231	C	T	0.612	0.046	0.065	1.13E-39	-0.041	0.035	0.237	0.045	173.643	TRUE	6.36E-37
COPD in never smokers	ORMDL3	cg12655416	rs11078892	T	C	-0.191	0.035	0.472	3.18E-08	-0.001	0.017	0.960	0.008	30.578	TRUE	5.46E-08
COPD in never smokers	ORMDL3	cg12655416	rs117381273	A	G	0.573	0.049	0.058	9.63E-32	-0.056	0.036	0.119	0.036	137.372	TRUE	3.11E-29
COPD in never smokers	ORMDL3	cg12655416	rs12941811	T	C	-0.246	0.024	0.419	1.95E-25	0.050	0.017	0.003	0.029	108.577	TRUE	2.40E-22
COPD in never smokers	ORMDL3	cg12655416	rs12946335	T	C	0.660	0.116	0.019	1.13E-08	-0.014	0.060	0.812	0.009	32.593	TRUE	2.40E-08
COPD in never smokers	ORMDL3	cg12655416	rs16522	C	T	0.238	0.033	0.153	7.86E-13	-0.004	0.023	0.878	0.014	51.290	TRUE	2.24E-12
COPD in never smokers	ORMDL3	cg12655416	rs2715555	A	G	-0.301	0.033	0.148	2.62E-20	0.024	0.023	0.302	0.023	85.210	TRUE	5.91E-19
COPD in never smokers	ORMDL3	cg12655416	rs4795388	A	G	-0.146	0.027	0.276	3.94E-08	0.042	0.019	0.023	0.008	30.161	TRUE	4.95E-07
COPD in never smokers	ORMDL3	cg12655416	rs62066986	T	C	0.363	0.051	0.045	1.12E-12	-0.094	0.034	0.006	0.013	50.593	TRUE	6.40E-11
COPD in never smokers	ORMDL3	cg12655416	rs72832924	T	C	-0.366	0.030	0.184	1.97E-34	0.008	0.021	0.712	0.039	149.661	TRUE	9.42E-33
COPD in never smokers	ORMDL3	cg12655416	rs8076131	G	A	0.562	0.023	0.468	2.80E-135	-0.047	0.017	0.004	0.142	612.436	TRUE	5.41E-120
COPD in never smokers	ORMDL3	cg18711369	rs11078916	T	C	-0.297	0.026	0.284	5.34E-30	0.043	0.018	0.019	0.034	129.405	TRUE	5.35E-27
COPD in never smokers	ORMDL3	cg18711369	rs12946335	T	C	0.699	0.115	0.019	1.36E-09	-0.014	0.060	0.812	0.010	36.705	TRUE	3.16E-09
COPD in never smokers	ORMDL3	cg18711369	rs2060941	T	G	0.512	0.033	0.148	1.01E-55	-0.042	0.024	0.082	0.063	247.160	TRUE	3.97E-51
COPD in never smokers	ORMDL3	cg18711369	rs3826331	T	C	-0.292	0.024	0.395	5.46E-35	0.056	0.017	7.62E-04	0.040	152.214	TRUE	1.05E-30
COPD in never smokers	ORMDL3	cg18711369	rs4065275	A	G	0.762	0.020	0.497	1.56E-302	-0.054	0.016	0.001	0.275	1399.833	TRUE	2.19E-258
COPD in never smokers	ORMDL3	cg18711369	rs534012	C	T	0.194	0.032	0.162	1.93E-09	-0.009	0.022	0.675	0.010	36.023	TRUE	5.30E-09
COPD in never smokers	ORMDL3	cg18711369	rs62065258	A	G	-0.305	0.027	0.248	9.94E-29	0.001	0.019	0.951	0.032	123.605	TRUE	1.29E-27
COPD in never smokers	ORMDL3	cg18711369	rs72825201	C	A	0.346	0.050	0.061	6.05E-12	-0.069	0.034	0.041	0.013	47.287	TRUE	1.33E-10
COPD in never smokers	ORMDL3	cg18711369	rs72832972	T	C	-0.414	0.046	0.072	1.66E-19	-0.049	0.030	0.105	0.022	81.558	TRUE	7.95E-18
COPD in never smokers	ORMDL3	cg18711369	rs79641947	T	C	-0.363	0.037	0.115	7.65E-23	0.020	0.026	0.447	0.025	96.754	TRUE	1.60E-21
COPD in never smokers	ORMDL3	cg19511844	rs7502539	A	G	-0.164	0.025	0.336	7.65E-11	-0.050	0.018	0.004	0.011	42.323	TRUE	3.16E-09
COPD in never smokers	ORMDL3	cg22144450	rs2060941	T	G	0.389	0.033	0.148	1.26E-32	-0.042	0.024	0.082	0.037	141.411	TRUE	6.66E-30
COPD in never smokers	ORMDL3	cg22144450	rs2269457	C	T	-0.207	0.037	0.250	1.63E-08	0.018	0.020	0.357	0.009	31.870	TRUE	6.53E-08
COPD in never smokers	ORMDL3	cg22144450	rs4252596	A	C	-0.235	0.035	0.126	2.65E-11	0.004	0.025	0.859	0.012	44.396	TRUE	6.75E-11
COPD in never smokers	ORMDL3	cg22144450	rs4795401	A	G	-0.468	0.023	0.495	1.31E-92	0.048	0.016	0.004	0.101	416.416	TRUE	9.02E-83
COPD in never smokers	ORMDL3	cg22144450	rs60082402	G	A	-0.195	0.024	0.381	3.91E-16	0.062	0.017	2.83E-04	0.018	66.248	TRUE	1.42E-13
COPD in never smokers	ORMDL3	cg22144450	rs62065255	C	T	-0.208	0.027	0.253	2.50E-14	0.003	0.019	0.856	0.015	58.061	TRUE	8.51E-14
COPD in never smokers	ORMDL3	cg22144450	rs73985231	C	T	0.411	0.047	0.065	1.11E-18	-0.041	0.035	0.237	0.021	77.815	TRUE	2.47E-17

COPD in never smokers	ORMDL3	cg22144450	rs9897185	A	G	-0.168	0.027	0.251	8.00E-10	0.016	0.019	0.404	0.010	37.739	TRUE	3.49E-09
COPD in never smokers	P2RX4	cg16460342	rs25643	C	T	0.129	0.023	0.448	4.19E-08	-0.021	0.016	0.196	0.008	30.045	TRUE	2.21E-07
COPD in never smokers	P2RX4	cg16599007	rs2567993	C	A	0.220	0.025	0.316	6.15E-19	-0.044	0.018	0.012	0.021	78.976	TRUE	9.50E-17
COPD in never smokers	P2RX4	cg19357999	rs11612328	A	G	-0.329	0.057	0.122	9.00E-09	0.006	0.025	0.822	0.009	33.028	TRUE	1.91E-08
COPD in never smokers	P2RX4	cg19357999	rs117211511	A	G	0.467	0.069	0.027	1.20E-11	0.017	0.041	0.676	0.012	45.939	TRUE	4.15E-11
COPD in never smokers	P2RX4	cg19357999	rs1179460	A	G	-0.146	0.025	0.337	4.76E-09	0.002	0.017	0.921	0.009	34.267	TRUE	9.16E-09
COPD in never smokers	P2RX4	cg19357999	rs1180008	T	C	0.583	0.041	0.089	5.20E-46	-0.003	0.028	0.929	0.052	202.657	TRUE	6.84E-44
COPD in never smokers	P2RX4	cg19357999	rs12300459	G	A	0.235	0.039	0.094	2.32E-09	-0.029	0.028	0.308	0.010	35.664	TRUE	1.14E-08
COPD in never smokers	P2RX4	cg19357999	rs149059228	C	T	0.365	0.066	0.033	3.35E-08	-0.013	0.046	0.784	0.008	30.479	TRUE	7.07E-08
COPD in never smokers	P2RX4	cg19357999	rs182194565	T	C	0.811	0.123	0.013	4.18E-11	-0.094	0.065	0.150	0.012	43.505	TRUE	4.11E-10
COPD in never smokers	P2RX4	cg19357999	rs192495477	T	C	0.739	0.065	0.026	5.91E-30	-0.160	0.050	0.001	0.034	129.202	TRUE	2.81E-26
COPD in never smokers	P2RX4	cg19357999	rs2230776	A	G	-0.249	0.044	0.079	1.79E-08	-0.027	0.031	0.379	0.008	31.698	TRUE	6.83E-08
COPD in never smokers	P2RX4	cg19357999	rs2252298	A	G	0.602	0.050	0.053	7.05E-33	0.003	0.036	0.929	0.037	142.563	TRUE	1.58E-31
COPD in never smokers	P2RX4	cg19357999	rs2303998	A	G	0.842	0.091	0.017	1.39E-20	-0.041	0.061	0.505	0.023	86.457	TRUE	1.88E-19
COPD in never smokers	P2RX4	cg19357999	rs2567984	G	A	-0.183	0.024	0.365	4.19E-14	0.033	0.017	0.053	0.015	57.048	TRUE	1.21E-12
COPD in never smokers	P2RX4	cg19357999	rs2567994	G	A	0.824	0.022	0.320	<1E-200	-0.041	0.018	0.020	0.278	1423.806	TRUE	8.47E-265
COPD in never smokers	P2RX4	cg19357999	rs2668249	T	C	0.500	0.025	0.269	1.74E-86	-0.017	0.018	0.347	0.095	388.304	TRUE	4.87E-80
COPD in never smokers	P2RX4	cg19357999	rs2686386	C	T	-0.267	0.029	0.197	5.03E-20	0.011	0.021	0.608	0.022	83.923	TRUE	5.01E-19
COPD in never smokers	P2RX4	cg19357999	rs56050444	G	A	-0.365	0.026	0.283	4.12E-45	-0.024	0.040	0.554	0.051	198.538	TRUE	1.52E-42
COPD in never smokers	P2RX4	cg19357999	rs56361557	A	G	0.933	0.140	0.016	2.56E-11	-0.060	0.068	0.381	0.012	44.461	TRUE	1.41E-10
COPD in never smokers	P2RX4	cg19357999	rs615434	G	A	0.209	0.038	0.111	4.79E-08	-0.043	0.027	0.105	0.008	29.785	TRUE	3.35E-07
COPD in never smokers	P2RX4	cg19357999	rs61953351	T	G	-0.196	0.027	0.243	5.31E-13	0.030	0.019	0.114	0.014	52.058	TRUE	8.34E-12
COPD in never smokers	P2RX4	cg19357999	rs686638	T	C	0.149	0.025	0.325	3.51E-09	-0.018	0.018	0.317	0.009	34.858	TRUE	1.66E-08
COPD in never smokers	P2RX4	cg19357999	rs73214164	C	T	0.250	0.030	0.191	9.92E-17	0.005	0.021	0.817	0.018	68.947	TRUE	4.58E-16
COPD in never smokers	P2RX4	cg20966272	rs3815990	T	G	0.614	0.050	0.052	9.79E-35	0.003	0.037	0.936	0.039	151.055	TRUE	2.72E-33
COPD in never smokers	P2RX7	cg00364287	rs10849846	C	T	0.990	0.053	0.049	6.47E-77	-0.073	0.040	0.069	0.085	344.377	TRUE	3.02E-70
COPD in never smokers	P2RX7	cg00364287	rs185803657	A	G	0.642	0.074	0.021	2.56E-18	-0.002	0.051	0.973	0.020	76.159	TRUE	1.05E-17
COPD in never smokers	P2RX7	cg00364287	rs2567979	T	G	0.254	0.031	0.174	2.29E-16	-0.011	0.022	0.633	0.018	67.299	TRUE	1.42E-15
COPD in never smokers	P2RX7	cg00364287	rs2668254	T	C	0.139	0.024	0.487	4.79E-09	0.018	0.016	0.277	0.009	34.255	TRUE	2.41E-08
COPD in never smokers	P2RX7	cg00364287	rs73214168	C	T	0.155	0.028	0.235	1.89E-08	0.017	0.019	0.378	0.008	31.588	TRUE	7.21E-08
COPD in never smokers	P2RX7	cg05835635	rs11065420	C	T	-0.246	0.033	0.142	1.13E-13	-0.039	0.024	0.105	0.015	55.100	TRUE	2.07E-12
COPD in never smokers	P2RX7	cg05835635	rs146718874	A	G	-0.416	0.075	0.023	2.99E-08	0.025	0.049	0.614	0.008	30.695	TRUE	7.86E-08
COPD in never smokers	P2RX7	cg05835635	rs1718125	T	C	-0.869	0.034	0.123	4.32E-143	-0.034	0.025	0.179	0.149	648.334	TRUE	2.37E-129
COPD in never smokers	P2RX7	cg05835635	rs208296	A	G	0.275	0.025	0.324	5.09E-28	0.017	0.018	0.342	0.032	120.368	TRUE	2.99E-26
COPD in never smokers	P2RX7	cg05835635	rs2303998	A	G	-0.653	0.090	0.017	4.67E-13	-0.041	0.061	0.505	0.014	52.311	TRUE	2.52E-12
COPD in never smokers	P2RX7	cg05835635	rs2393844	A	G	-0.514	0.040	0.101	3.22E-38	0.000	0.027	0.996	0.043	166.986	TRUE	1.20E-36
COPD in never smokers	P2RX7	cg05835635	rs2567990	A	G	-0.508	0.055	0.056	1.54E-20	0.040	0.036	0.268	0.023	86.257	TRUE	4.04E-19
COPD in never smokers	P2RX7	cg05835635	rs28360463	A	C	-0.333	0.034	0.135	3.86E-22	-0.022	0.024	0.371	0.025	93.550	TRUE	9.08E-21
COPD in never smokers	P2RX7	cg05835635	rs3751143	C	A	0.181	0.031	0.177	3.53E-09	0.010	0.021	0.631	0.009	34.850	TRUE	1.00E-08
COPD in never smokers	P2RX7	cg05835635	rs3850518	A	G	0.235	0.028	0.234	2.34E-17	0.001	0.019	0.963	0.019	71.797	TRUE	8.88E-17
COPD in never smokers	P2RX7	cg05835635	rs4403877	A	G	0.224	0.041	0.094	4.01E-08	-0.022	0.029	0.437	0.008	30.129	TRUE	1.33E-07
COPD in never smokers	P2RX7	cg05835635	rs4980988	C	T	-0.327	0.055	0.047	2.88E-09	0.021	0.037	0.566	0.009	35.243	TRUE	9.06E-09

COPD in never smokers	P2RX7	cg05835635	rs514108	C	T	-0.367	0.032	0.159	2.52E-31	0.034	0.022	0.124	0.035	135.463	TRUE	7.27E-29
COPD in never smokers	P2RX7	cg05835635	rs593429	T	C	-0.188	0.030	0.181	6.03E-10	-0.031	0.021	0.150	0.010	38.293	TRUE	4.91E-09
COPD in never smokers	P2RX7	cg05835635	rs6489787	G	A	0.148	0.025	0.328	2.25E-09	-0.026	0.018	0.141	0.010	35.724	TRUE	1.73E-08
COPD in never smokers	P2RX7	cg05835635	rs651606	A	G	-0.221	0.038	0.106	7.82E-09	-0.052	0.026	0.045	0.009	33.302	TRUE	9.00E-08
COPD in never smokers	P2RX7	cg05835635	rs77728240	T	G	-0.566	0.081	0.020	3.51E-12	0.042	0.049	0.385	0.013	48.353	TRUE	2.15E-11
COPD in never smokers	P2RX7	cg07203561	rs10849846	C	T	0.979	0.053	0.049	1.31E-75	-0.073	0.040	0.069	0.084	338.376	TRUE	4.55E-69
COPD in never smokers	P2RX7	cg07203561	rs146718874	A	G	0.627	0.075	0.023	5.12E-17	0.025	0.049	0.614	0.019	70.251	TRUE	3.55E-16
COPD in never smokers	P2RX7	cg07203561	rs1796404	A	C	-0.156	0.027	0.258	4.53E-09	-0.011	0.019	0.561	0.009	34.364	TRUE	1.40E-08
COPD in never smokers	P2RX7	cg07203561	rs2567979	T	G	0.265	0.031	0.174	9.11E-18	-0.011	0.022	0.633	0.020	73.656	TRUE	6.63E-17
COPD in never smokers	P2RX7	cg07203561	rs2668254	T	C	0.131	0.024	0.487	3.43E-08	0.018	0.016	0.277	0.008	30.434	TRUE	1.52E-07
COPD in never smokers	P2RX7	cg07203561	rs28360475	G	A	0.165	0.027	0.234	1.89E-09	0.017	0.019	0.382	0.010	36.064	TRUE	8.17E-09
COPD in never smokers	P2RX7	cg07602200	rs10849846	C	T	0.640	0.054	0.049	1.09E-32	-0.073	0.040	0.069	0.037	141.698	TRUE	6.78E-30
COPD in never smokers	P2RX7	cg08688169	rs2393799	T	C	-0.356	0.027	0.247	2.17E-40	-0.051	0.019	0.008	0.046	176.918	TRUE	3.25E-36
COPD in never smokers	P2RX7	cg08688169	rs73214164	C	T	-0.177	0.030	0.191	2.50E-09	0.005	0.021	0.817	0.010	35.521	TRUE	5.62E-09
COPD in never smokers	P2RX7	cg10852165	rs10849846	C	T	0.799	0.054	0.049	6.63E-50	-0.073	0.040	0.069	0.056	220.500	TRUE	1.00E-45
COPD in never smokers	P2RX7	cg10852165	rs146718874	A	G	0.419	0.075	0.023	2.34E-08	0.025	0.049	0.614	0.008	31.171	TRUE	6.22E-08
COPD in never smokers	P2RX7	cg10852165	rs208278	G	A	-0.261	0.030	0.197	1.11E-18	-0.036	0.020	0.080	0.021	77.811	TRUE	5.56E-17
COPD in never smokers	P2RX7	cg10852165	rs208298	A	G	-0.153	0.025	0.314	1.72E-09	0.001	0.018	0.939	0.010	36.249	TRUE	3.36E-09
COPD in never smokers	P2RX7	cg10852165	rs2567979	T	G	0.187	0.031	0.174	1.68E-09	-0.011	0.022	0.633	0.010	36.291	TRUE	4.92E-09
COPD in never smokers	P2RX7	cg10901569	rs1169299	C	T	-0.129	0.023	0.467	2.91E-08	-0.011	0.017	0.501	0.008	30.747	TRUE	8.96E-08
COPD in never smokers	P2RX7	cg10901569	rs2686369	T	C	-0.644	0.044	0.078	1.48E-49	-0.021	0.031	0.481	0.056	218.898	TRUE	1.46E-46
COPD in never smokers	P2RX7	cg10901569	rs75326667	T	C	-0.476	0.071	0.026	2.26E-11	-0.089	0.052	0.090	0.012	44.708	TRUE	3.06E-10
COPD in never smokers	P2RX7	cg12121075	rs11065394	G	A	0.259	0.029	0.206	2.76E-19	0.025	0.020	0.219	0.021	80.559	TRUE	7.20E-18
COPD in never smokers	P2RX7	cg12121075	rs11065420	C	T	-0.264	0.033	0.142	2.00E-15	-0.039	0.024	0.105	0.017	63.030	TRUE	4.91E-14
COPD in never smokers	P2RX7	cg12121075	rs117281184	A	G	-0.898	0.161	0.011	2.46E-08	-0.082	0.077	0.284	0.008	31.077	TRUE	1.10E-07
COPD in never smokers	P2RX7	cg12121075	rs142778000	A	G	-0.747	0.076	0.018	1.28E-22	0.005	0.056	0.926	0.025	95.729	TRUE	8.88E-22
COPD in never smokers	P2RX7	cg12121075	rs148662934	C	T	-0.211	0.035	0.109	2.29E-09	0.025	0.024	0.306	0.010	35.693	TRUE	1.13E-08
COPD in never smokers	P2RX7	cg12121075	rs1653595	G	A	0.199	0.027	0.239	2.86E-13	0.007	0.019	0.705	0.014	53.271	TRUE	1.12E-12
COPD in never smokers	P2RX7	cg12121075	rs1653604	C	T	-0.578	0.022	0.473	3.65E-148	-0.033	0.016	0.048	0.154	671.648	TRUE	1.36E-132
COPD in never smokers	P2RX7	cg12121075	rs1718125	T	C	-0.477	0.035	0.123	1.55E-41	-0.034	0.025	0.179	0.047	182.167	TRUE	1.69E-38
COPD in never smokers	P2RX7	cg12121075	rs2673623	G	A	0.158	0.024	0.397	5.60E-11	0.005	0.017	0.774	0.011	42.932	TRUE	1.56E-10
COPD in never smokers	P2RX7	cg12121075	rs3751144	T	C	-0.983	0.042	0.081	2.88E-123	-0.051	0.032	0.108	0.131	557.240	TRUE	1.12E-111
COPD in never smokers	P2RX7	cg12121075	rs3794205	A	G	0.301	0.025	0.307	2.34E-32	0.011	0.018	0.547	0.037	140.178	TRUE	1.33E-30
COPD in never smokers	P2RX7	cg12121075	rs55728984	T	C	-0.266	0.042	0.087	1.74E-10	-0.004	0.029	0.877	0.011	40.722	TRUE	4.01E-10
COPD in never smokers	P2RX7	cg12121075	rs593429	T	C	-0.271	0.030	0.181	6.16E-19	-0.031	0.021	0.150	0.021	78.972	TRUE	2.07E-17
COPD in never smokers	P2RX7	cg12121075	rs76003406	T	C	0.314	0.051	0.057	5.62E-10	-0.012	0.037	0.737	0.010	38.428	TRUE	1.50E-09
COPD in never smokers	P2RX7	cg22867729	rs11065472	A	G	0.163	0.026	0.293	2.23E-10	0.021	0.018	0.253	0.011	40.229	TRUE	1.44E-09
COPD in never smokers	P2RX7	cg26656658	rs11065394	G	A	0.270	0.029	0.206	5.87E-21	0.025	0.020	0.219	0.023	88.167	TRUE	1.96E-19
COPD in never smokers	P2RX7	cg26656658	rs11065420	C	T	-0.292	0.033	0.142	1.57E-18	-0.039	0.024	0.105	0.020	77.126	TRUE	6.40E-17
COPD in never smokers	P2RX7	cg26656658	rs1140886	C	T	0.160	0.026	0.263	1.16E-09	0.007	0.019	0.691	0.010	37.014	TRUE	3.19E-09
COPD in never smokers	P2RX7	cg26656658	rs142778000	A	G	-0.759	0.076	0.018	3.06E-23	0.005	0.056	0.926	0.026	98.566	TRUE	2.26E-22
COPD in never smokers	P2RX7	cg26656658	rs1653609	C	A	-0.620	0.022	0.474	5.16E-175	-0.031	0.016	0.056	0.177	795.061	TRUE	1.53E-155

COPD in never smokers	P2RX7	cg26656658	rs1718125	T	C	-0.546	0.035	0.123	2.81E-54	-0.034	0.025	0.179	0.061	240.539	TRUE	3.06E-50
COPD in never smokers	P2RX7	cg26656658	rs208302	A	G	-0.238	0.027	0.235	2.29E-18	0.022	0.019	0.253	0.020	76.384	TRUE	4.61E-17
COPD in never smokers	P2RX7	cg26656658	rs2686346	T	C	0.274	0.032	0.455	4.96E-18	0.028	0.017	0.101	0.020	74.856	TRUE	1.92E-16
COPD in never smokers	P2RX7	cg26656658	rs28360453	T	C	0.306	0.050	0.060	1.33E-09	0.049	0.033	0.135	0.010	36.755	TRUE	1.08E-08
COPD in never smokers	P2RX7	cg26656658	rs3751144	T	C	-0.923	0.042	0.081	8.10E-108	-0.051	0.032	0.108	0.116	486.267	TRUE	4.18E-98
COPD in never smokers	P2RX7	cg26656658	rs3794205	A	G	0.346	0.025	0.307	1.07E-42	0.011	0.018	0.547	0.048	187.490	TRUE	2.76E-40
COPD in never smokers	P2RX7	cg26656658	rs55728984	T	C	-0.240	0.042	0.087	7.76E-09	-0.004	0.029	0.877	0.009	33.317	TRUE	1.55E-08
COPD in never smokers	P2RX7	cg26656658	rs593429	T	C	-0.230	0.030	0.181	4.57E-14	-0.031	0.021	0.150	0.015	56.875	TRUE	7.18E-13
COPD in never smokers	P2RX7	cg26656658	rs76003406	T	C	0.407	0.050	0.057	7.42E-16	-0.012	0.037	0.737	0.017	64.984	TRUE	3.60E-15
COPD in never smokers	P2RX7	cg26656658	rs7957752	G	A	-0.151	0.025	0.338	1.48E-09	-0.005	0.018	0.787	0.010	36.538	TRUE	3.54E-09
COPD in never smokers	PAK2	cg01040960	rs141016849	T	C	-0.659	0.089	0.019	1.77E-13	-0.023	0.058	0.688	0.014	54.216	TRUE	7.27E-13
COPD in never smokers	PAK2	cg12930392	rs1906044	T	C	0.148	0.024	0.360	1.26E-09	-0.001	0.017	0.937	0.010	36.860	TRUE	2.49E-09
COPD in never smokers	PAK2	cg12930392	rs2686598	C	T	-0.441	0.023	0.464	3.75E-80	0.030	0.017	0.070	0.089	359.233	TRUE	3.61E-73
COPD in never smokers	PAK2	cg12930392	rs559969885	C	A	-0.271	0.048	0.071	1.73E-08	-0.043	0.032	0.182	0.009	31.760	TRUE	1.01E-07
COPD in never smokers	PAK2	cg12930392	rs7629566	G	A	-0.271	0.044	0.080	7.19E-10	-0.005	0.030	0.860	0.010	37.947	TRUE	1.61E-09
COPD in never smokers	PAK2	cg12930392	rs9858813	A	G	-0.342	0.058	0.100	5.04E-09	-0.018	0.029	0.534	0.009	34.156	TRUE	1.61E-08
COPD in never smokers	PAK2	cg21030598	rs6583171	A	G	0.166	0.024	0.362	7.83E-12	-0.001	0.017	0.932	0.012	46.784	TRUE	1.88E-11
COPD in never smokers	PAK2	cg21104449	rs335824	T	C	-0.154	0.027	0.239	1.28E-08	0.006	0.019	0.761	0.009	32.340	TRUE	2.90E-08
COPD in never smokers	PAK2	cg21104449	rs34783962	C	T	0.259	0.034	0.132	4.44E-14	-0.048	0.024	0.049	0.015	56.932	TRUE	1.33E-12
COPD in never smokers	PAK2	cg21104449	rs521146	G	T	0.173	0.024	0.478	2.81E-13	0.019	0.017	0.251	0.014	53.308	TRUE	2.76E-12
COPD in never smokers	PAK2	cg21104449	rs528204870	G	A	0.160	0.024	0.441	1.55E-11	-0.020	0.017	0.249	0.012	45.447	TRUE	1.19E-10
COPD in never smokers	PAK2	cg21104449	rs73074701	A	G	-0.420	0.074	0.059	1.29E-08	-0.031	0.034	0.361	0.009	32.330	TRUE	5.18E-08
COPD in never smokers	PAK2	cg21104449	rs7622327	G	A	-0.590	0.088	0.039	2.48E-11	-0.011	0.046	0.819	0.012	44.527	TRUE	6.70E-11
COPD in never smokers	PCBP1	cg08479476	rs13016716	A	G	-0.147	0.026	0.316	1.02E-08	0.044	0.018	0.013	0.009	32.794	TRUE	1.77E-07
COPD in never smokers	PCBP1	cg08479476	rs3732264	T	C	0.921	0.049	0.060	4.45E-80	-0.077	0.037	0.035	0.088	358.892	TRUE	1.04E-72
COPD in never smokers	PCBP1	cg26487157	rs11693358	C	T	0.278	0.040	0.099	6.10E-12	0.025	0.028	0.376	0.013	47.271	TRUE	3.69E-11
COPD in never smokers	PCBP1	cg26487157	rs13394815	A	C	0.152	0.026	0.278	7.44E-09	-0.037	0.019	0.046	0.009	33.399	TRUE	8.48E-08
COPD in never smokers	PCBP1	cg26487157	rs4852586	A	G	0.148	0.024	0.440	6.46E-10	-0.010	0.017	0.567	0.010	38.157	TRUE	2.18E-09
COPD in never smokers	PCBP1	cg26487157	rs4853179	T	G	0.202	0.033	0.143	1.02E-09	-0.004	0.023	0.864	0.010	37.262	TRUE	2.24E-09
COPD in never smokers	PCBP1	cg26487157	rs7578666	A	G	1.485	0.047	0.059	2.24E-215	-0.082	0.037	0.027	0.210	980.625	TRUE	1.82E-188
COPD in never smokers	PCGF2	cg00089071	rs111834226	A	G	1.165	0.065	0.030	2.18E-71	-0.033	0.044	0.459	0.079	319.009	TRUE	1.31E-66
COPD in never smokers	PCGF2	cg00089071	rs228275	T	C	0.150	0.025	0.354	1.92E-09	-0.043	0.017	0.014	0.010	36.034	TRUE	3.83E-08
COPD in never smokers	PCGF2	cg00089071	rs597054	C	T	0.226	0.039	0.333	8.68E-09	-0.027	0.018	0.130	0.009	33.098	TRUE	6.27E-08
COPD in never smokers	PCGF2	cg02433498	rs68075021	G	T	-0.333	0.034	0.137	7.11E-23	0.077	0.023	8.62E-04	0.026	96.898	TRUE	8.50E-20
COPD in never smokers	PCGF2	cg18896448	rs34727469	T	C	-0.272	0.034	0.131	2.16E-15	0.069	0.023	0.003	0.017	62.883	TRUE	2.88E-13
COPD in never smokers	PCGF2	cg21692159	rs146712295	T	C	-0.535	0.079	0.024	1.58E-11	-0.010	0.062	0.870	0.012	45.406	TRUE	4.05E-11
COPD in never smokers	PCGF2	cg21692159	rs2879097	T	C	-0.164	0.028	0.238	2.98E-09	0.041	0.019	0.033	0.009	35.180	TRUE	4.20E-08
COPD in never smokers	PCGF2	cg21692159	rs3785457	T	C	0.185	0.032	0.168	8.49E-09	-0.023	0.022	0.299	0.009	33.142	TRUE	3.93E-08
COPD in never smokers	PCGF2	cg23302321	rs12601476	C	T	-0.144	0.023	0.495	5.07E-10	-0.011	0.017	0.512	0.010	38.630	TRUE	1.89E-09
COPD in never smokers	PCGF2	cg24539380	rs11658048	A	G	-0.738	0.028	0.209	3.63E-157	0.050	0.020	0.013	0.162	713.021	TRUE	2.33E-139
COPD in never smokers	PCGF2	cg24539380	rs11658841	A	G	-0.215	0.025	0.347	2.21E-18	0.055	0.018	0.002	0.020	76.452	TRUE	6.27E-16
COPD in never smokers	PCGF2	cg24539380	rs146712295	T	C	-0.679	0.079	0.024	8.63E-18	-0.010	0.062	0.870	0.020	73.763	TRUE	4.03E-17

COPD in never smokers	PCGF2	cg24539380	rs1811251	G	A	0.352	0.030	0.178	9.43E-32	0.012	0.022	0.570	0.036	137.414	TRUE	4.62E-30
COPD in never smokers	PCGF2	cg24539380	rs77536527	G	A	-0.698	0.094	0.014	1.44E-13	-0.043	0.069	0.529	0.015	54.626	TRUE	7.86E-13
COPD in never smokers	PCGF2	cg24539380	rs78737686	C	T	-0.174	0.024	0.492	1.81E-13	0.018	0.017	0.283	0.014	54.171	TRUE	1.67E-12
COPD in never smokers	PCGF2	cg24539380	rs8071479	A	G	0.178	0.025	0.312	1.79E-12	-0.049	0.018	0.007	0.013	49.672	TRUE	9.00E-11
COPD in never smokers	PCGF2	cg24539380	rs9916617	C	T	0.216	0.031	0.169	2.28E-12	-0.053	0.022	0.015	0.013	49.203	TRUE	8.42E-11
COPD in never smokers	PDCD10	cg18801567	rs11714980	C	T	0.194	0.028	0.203	3.26E-12	-0.018	0.020	0.375	0.013	48.497	TRUE	2.05E-11
COPD in never smokers	PDCD10	cg18801567	rs13079876	C	T	-0.159	0.024	0.421	1.85E-11	-0.018	0.017	0.286	0.012	45.096	TRUE	1.28E-10
COPD in never smokers	PDCD10	cg18801567	rs1553221	A	G	0.149	0.024	0.368	6.62E-10	0.023	0.017	0.184	0.010	38.109	TRUE	4.80E-09
COPD in never smokers	PDCD10	cg18801567	rs59576333	A	G	-0.235	0.031	0.154	6.94E-14	-0.040	0.023	0.087	0.015	56.056	TRUE	1.47E-12
COPD in never smokers	PDCD10	cg18801567	rs71304631	C	T	-0.347	0.044	0.078	3.13E-15	-0.025	0.032	0.423	0.017	62.150	TRUE	2.60E-14
COPD in never smokers	PDCD10	cg18801567	rs9844216	A	G	-0.535	0.026	0.265	1.99E-96	-0.044	0.019	0.019	0.105	433.958	TRUE	5.94E-87
COPD in never smokers	PDCD10	cg24249075	rs9817126	G	A	0.248	0.026	0.263	4.99E-21	-0.044	0.019	0.020	0.023	88.490	TRUE	8.73E-19
COPD in never smokers	PEBP1	cg00091483	rs7301950	A	G	0.212	0.036	0.118	5.50E-09	-0.032	0.026	0.218	0.009	33.985	TRUE	3.15E-08
COPD in never smokers	PEBP1	cg16572268	rs673078	C	A	0.166	0.028	0.216	3.84E-09	-0.007	0.020	0.735	0.009	34.683	TRUE	9.45E-09
COPD in never smokers	PEBP1	cg16572268	rs7971091	A	G	0.145	0.025	0.319	4.78E-09	-0.043	0.018	0.016	0.009	34.257	TRUE	8.28E-08
COPD in never smokers	PEBP1	cg16572268	rs904661	A	G	0.346	0.024	0.385	3.01E-48	-0.037	0.017	0.029	0.054	212.909	TRUE	7.80E-44
COPD in never smokers	PHLDA3	cg00962755	rs12097997	G	A	-0.269	0.024	0.344	4.76E-28	-0.041	0.017	0.016	0.032	120.500	TRUE	3.62E-25
COPD in never smokers	PHLDA3	cg00962755	rs12134525	T	C	-0.402	0.049	0.054	2.81E-16	0.042	0.033	0.198	0.018	66.896	TRUE	5.10E-15
COPD in never smokers	PHLDA3	cg00962755	rs4915536	A	G	-0.144	0.026	0.277	4.35E-08	0.010	0.018	0.595	0.008	29.971	TRUE	1.15E-07
COPD in never smokers	PHLDA3	cg04055835	rs16848610	C	A	0.301	0.047	0.067	2.24E-10	-0.035	0.033	0.281	0.011	40.222	TRUE	1.35E-09
COPD in never smokers	PHLDA3	cg04055835	rs645390	A	G	0.190	0.035	0.117	3.78E-08	-0.036	0.023	0.129	0.008	30.245	TRUE	2.46E-07
COPD in never smokers	PHLDA3	cg04055835	rs654072	A	G	0.214	0.025	0.327	5.33E-18	-0.040	0.017	0.021	0.020	74.715	TRUE	5.12E-16
COPD in never smokers	PHLDA3	cg18569595	rs11590527	G	A	-0.337	0.024	0.345	1.51E-43	-0.041	0.017	0.017	0.049	191.378	TRUE	2.41E-39
COPD in never smokers	PHLDA3	cg18569595	rs645390	A	G	-0.239	0.034	0.117	4.26E-12	-0.036	0.023	0.129	0.013	47.973	TRUE	5.37E-11
COPD in never smokers	PIP4K2B	cg03371752	rs228284	T	C	0.156	0.028	0.218	1.89E-08	-0.067	0.020	8.62E-04	0.008	31.592	TRUE	6.44E-07
COPD in never smokers	PIP4K2B	cg20303331	rs4795311	T	C	-0.203	0.029	0.197	5.15E-12	0.049	0.021	0.017	0.013	47.603	TRUE	1.65E-10
COPD in never smokers	PIP4K2B	cg20303331	rs626866	C	T	0.168	0.028	0.236	1.36E-09	-0.069	0.020	4.89E-04	0.010	36.700	TRUE	7.42E-08
COPD in never smokers	PIP4K2B	cg20303331	rs72625934	A	G	-0.792	0.047	0.061	1.70E-62	0.021	0.035	0.541	0.070	278.218	TRUE	1.28E-58
COPD in never smokers	PIP4K2B	cg20760360	rs11079061	C	T	0.154	0.024	0.454	8.40E-11	-0.066	0.017	7.55E-05	0.011	42.140	TRUE	1.02E-08
COPD in never smokers	PIP4K2B	cg20760360	rs113262309	A	C	0.267	0.041	0.086	1.04E-10	-0.077	0.029	0.007	0.011	41.719	TRUE	3.43E-09
COPD in never smokers	PIP4K2B	cg20760360	rs620110	A	G	0.457	0.033	0.153	1.09E-44	-0.071	0.024	0.003	0.050	196.599	TRUE	8.48E-40
COPD in never smokers	PIP4K2B	cg27142680	rs228251	G	A	-0.201	0.028	0.239	3.49E-13	-0.070	0.020	4.55E-04	0.014	52.881	TRUE	5.13E-11
COPD in never smokers	PIP4K2C	cg05694847	rs10876966	T	C	-0.178	0.028	0.221	4.01E-10	-0.022	0.020	0.270	0.010	39.088	TRUE	2.39E-09
COPD in never smokers	PIP4K2C	cg05694847	rs11613457	A	G	-0.597	0.043	0.075	3.46E-43	-0.053	0.031	0.086	0.049	189.726	TRUE	1.15E-39
COPD in never smokers	PIP4K2C	cg05694847	rs74808980	G	A	-0.396	0.063	0.057	4.26E-10	-0.048	0.037	0.195	0.010	38.970	TRUE	3.08E-09
COPD in never smokers	PIP4K2C	cg09740308	rs10747780	T	C	0.859	0.023	0.273	<1E-200	-0.025	0.019	0.183	0.280	1439.876	TRUE	5.34E-270
COPD in never smokers	PIP4K2C	cg09740308	rs1078109	A	G	-0.295	0.038	0.106	6.50E-15	0.008	0.027	0.750	0.016	60.711	TRUE	2.79E-14
COPD in never smokers	PIP4K2C	cg09740308	rs112976255	A	C	-0.316	0.046	0.072	3.64E-12	0.022	0.031	0.482	0.013	48.285	TRUE	1.84E-11
COPD in never smokers	PIP4K2C	cg09740308	rs12423654	C	T	0.218	0.023	0.480	3.24E-21	0.003	0.017	0.839	0.024	89.343	TRUE	2.30E-20
COPD in never smokers	PIP4K2C	cg09740308	rs17565804	T	C	0.601	0.058	0.042	2.38E-25	-0.023	0.040	0.560	0.028	108.184	TRUE	5.12E-24
COPD in never smokers	PIP4K2C	cg09740308	rs2277322	C	T	-0.315	0.024	0.319	2.95E-38	-0.012	0.017	0.483	0.043	167.158	TRUE	4.81E-36
COPD in never smokers	PIP4K2C	cg09740308	rs34790089	T	C	0.654	0.053	0.049	8.87E-35	-0.034	0.042	0.424	0.039	151.248	TRUE	1.05E-32

COPD in never smokers	PIP4K2C	cg09740308	rs4077658	A	C	0.237	0.026	0.297	1.57E-20	0.039	0.018	0.032	0.023	86.221	TRUE	1.93E-18
COPD in never smokers	PIP4K2C	cg09740308	rs78607331	T	C	0.464	0.084	0.043	2.80E-08	0.069	0.039	0.076	0.008	30.822	TRUE	2.35E-07
COPD in never smokers	PIP4K2C	cg20183802	rs11613457	A	G	-0.295	0.044	0.075	2.00E-11	-0.053	0.031	0.086	0.012	44.948	TRUE	2.79E-10
COPD in never smokers	PIP4K2C	cg20183802	rs1678508	A	G	-0.561	0.067	0.033	3.13E-17	0.003	0.046	0.949	0.019	71.222	TRUE	1.20E-16
COPD in never smokers	PIP4K2C	cg20183802	rs74240697	T	C	-0.390	0.072	0.028	4.79E-08	-0.003	0.048	0.943	0.008	29.784	TRUE	8.27E-08
COPD in never smokers	PIP4K2C	cg20416037	rs11613457	A	G	-0.352	0.044	0.075	1.11E-15	-0.053	0.031	0.086	0.017	64.194	TRUE	3.20E-14
COPD in never smokers	PIP4K2C	cg20416037	rs775245	A	G	0.384	0.043	0.084	1.76E-19	-0.045	0.031	0.137	0.022	81.444	TRUE	6.91E-18
COPD in never smokers	PIP4K2C	cg25133016	rs11613457	A	G	-0.272	0.044	0.075	5.64E-10	-0.053	0.031	0.086	0.010	38.420	TRUE	6.11E-09
COPD in never smokers	PIP4K2C	cg25133016	rs775245	A	G	0.308	0.043	0.084	5.04E-13	-0.045	0.031	0.137	0.014	52.159	TRUE	7.13E-12
COPD in never smokers	PIP4K2C	cg26459339	rs10437954	G	A	-0.262	0.042	0.089	3.04E-10	0.043	0.028	0.126	0.011	39.625	TRUE	2.85E-09
COPD in never smokers	PIP4K2C	cg26459339	rs1078109	A	G	-0.349	0.038	0.106	2.29E-20	0.008	0.027	0.750	0.023	85.479	TRUE	1.77E-19
COPD in never smokers	PIP4K2C	cg26459339	rs112976255	A	C	-0.283	0.046	0.072	5.38E-10	0.022	0.031	0.482	0.010	38.512	TRUE	2.10E-09
COPD in never smokers	PIP4K2C	cg26459339	rs12579911	T	C	0.237	0.023	0.485	6.63E-25	0.001	0.017	0.958	0.028	106.153	TRUE	5.49E-24
COPD in never smokers	PIP4K2C	cg26459339	rs1678527	T	C	-0.318	0.024	0.326	3.02E-39	-0.002	0.017	0.897	0.044	171.687	TRUE	1.68E-37
COPD in never smokers	PIP4K2C	cg26459339	rs1800139	C	T	0.239	0.025	0.324	9.64E-22	0.040	0.018	0.025	0.024	91.739	TRUE	1.72E-19
COPD in never smokers	PIP4K2C	cg26459339	rs34556747	T	C	0.599	0.058	0.042	3.47E-25	-0.011	0.040	0.795	0.028	107.437	TRUE	4.22E-24
COPD in never smokers	PIP4K2C	cg26459339	rs34790089	T	C	0.713	0.053	0.049	4.02E-41	-0.034	0.042	0.424	0.046	180.272	TRUE	1.26E-38
COPD in never smokers	PIP4K2C	cg26459339	rs78607331	T	C	0.468	0.084	0.043	2.21E-08	0.069	0.039	0.076	0.008	31.284	TRUE	1.89E-07
COPD in never smokers	PIP4K2C	cg26459339	rs8873	A	G	0.928	0.024	0.221	<1E-200	-0.028	0.020	0.164	0.282	1451.315	TRUE	9.15E-272
COPD in never smokers	PPP2R1B	cg03723716	rs647080	A	G	0.171	0.025	0.316	3.31E-12	0.006	0.018	0.718	0.013	48.469	TRUE	1.13E-11
COPD in never smokers	PPP2R1B	cg09085632	rs11213916	T	C	0.235	0.024	0.355	3.20E-22	-0.045	0.017	0.010	0.025	93.922	TRUE	1.02E-19
COPD in never smokers	PPP2R1B	cg09085632	rs11214040	A	G	-0.271	0.047	0.126	8.93E-09	0.032	0.025	0.203	0.009	33.043	TRUE	5.15E-08
COPD in never smokers	PPP2R1B	cg09085632	rs11214086	C	T	-0.372	0.024	0.371	3.53E-54	0.019	0.017	0.279	0.061	240.085	TRUE	1.98E-50
COPD in never smokers	PPP2R1B	cg09085632	rs12280526	A	G	0.379	0.038	0.112	9.79E-24	0.029	0.027	0.288	0.027	100.821	TRUE	3.77E-22
COPD in never smokers	PPP2R1B	cg09085632	rs2156724	G	T	-0.201	0.025	0.316	2.05E-15	0.010	0.018	0.566	0.017	62.981	TRUE	1.30E-14
COPD in never smokers	PPP2R1B	cg09085632	rs45488801	A	G	-0.306	0.042	0.086	3.33E-13	0.026	0.029	0.367	0.014	52.975	TRUE	2.42E-12
COPD in never smokers	PPP2R1B	cg09085632	rs559482	G	A	0.872	0.021	0.288	<1E-200	-0.047	0.018	0.011	0.312	1675.146	TRUE	1.05E-305
COPD in never smokers	PPP2R1B	cg09085632	rs669778	T	C	-0.296	0.042	0.182	1.09E-12	0.006	0.021	0.792	0.014	50.652	TRUE	3.49E-12
COPD in never smokers	PPP2R1B	cg09085632	rs74806329	T	C	0.700	0.069	0.034	2.30E-24	0.059	0.047	0.211	0.027	103.689	TRUE	1.32E-22
COPD in never smokers	PPP2R1B	cg09215152	rs10891290	C	T	-0.197	0.024	0.388	8.15E-17	0.025	0.017	0.135	0.018	69.334	TRUE	2.12E-15
COPD in never smokers	PPP2R1B	cg09215152	rs585149	G	A	0.197	0.031	0.171	1.81E-10	0.013	0.022	0.554	0.011	40.643	TRUE	6.62E-10
COPD in never smokers	PPP2R1B	cg10843715	rs10891290	C	T	-0.243	0.024	0.388	8.82E-25	0.025	0.017	0.135	0.028	105.588	TRUE	8.09E-23
COPD in never smokers	PPP2R1B	cg10843715	rs618138	A	G	0.243	0.031	0.170	3.34E-15	0.020	0.022	0.366	0.016	62.022	TRUE	3.16E-14
COPD in never smokers	PPP2R1B	cg11550474	rs585149	G	A	0.178	0.031	0.171	1.13E-08	0.013	0.022	0.554	0.009	32.585	TRUE	3.38E-08
COPD in never smokers	PPP2R1B	cg17468440	rs10891290	C	T	-0.272	0.024	0.388	5.72E-30	0.025	0.017	0.135	0.034	129.266	TRUE	1.22E-27
COPD in never smokers	PPP2R1B	cg17468440	rs618138	A	G	0.247	0.031	0.170	3.11E-15	0.020	0.022	0.366	0.017	62.162	TRUE	2.96E-14
COPD in never smokers	PPP2R1B	cg18213857	rs11213912	T	C	-0.202	0.036	0.132	1.28E-08	-0.025	0.025	0.310	0.009	32.348	TRUE	5.65E-08
COPD in never smokers	PPP2R1B	cg18213857	rs11213916	T	C	0.245	0.024	0.355	6.49E-24	-0.045	0.017	0.010	0.027	101.635	TRUE	2.91E-21
COPD in never smokers	PPP2R1B	cg18213857	rs11214086	C	T	-0.377	0.024	0.371	7.82E-56	0.019	0.017	0.279	0.063	247.670	TRUE	5.93E-52
COPD in never smokers	PPP2R1B	cg18213857	rs2156724	G	T	-0.205	0.025	0.316	5.12E-16	0.010	0.018	0.566	0.017	65.714	TRUE	3.47E-15
COPD in never smokers	PPP2R1B	cg18213857	rs45488801	A	G	-0.307	0.042	0.086	2.85E-13	0.026	0.029	0.367	0.014	53.281	TRUE	2.09E-12
COPD in never smokers	PPP2R1B	cg18213857	rs559482	G	A	0.863	0.022	0.288	<1E-200	-0.047	0.018	0.011	0.288	1494.282	TRUE	5.16E-276

COPD in never smokers	PPP2R1B	cg18213857	rs669778	T	C	-0.287	0.042	0.182	5.10E-12	0.006	0.021	0.792	0.013	47.622	TRUE	1.53E-11
COPD in never smokers	PPP2R1B	cg18213857	rs74806329	T	C	0.718	0.069	0.034	1.27E-25	0.059	0.047	0.211	0.029	109.428	TRUE	8.84E-24
COPD in never smokers	PPP2R1B	cg23026420	rs10789843	T	C	0.334	0.026	0.278	7.11E-39	-0.052	0.019	0.006	0.044	169.989	TRUE	9.00E-35
COPD in never smokers	PPP2R1B	cg23026420	rs12272763	T	C	-0.193	0.024	0.370	4.74E-16	0.017	0.019	0.380	0.017	65.865	TRUE	4.84E-15
COPD in never smokers	PPT2	cg00086577	rs1042337	G	A	-0.172	0.027	0.253	9.88E-11	-0.047	0.019	0.013	0.011	41.822	TRUE	2.73E-09
COPD in never smokers	PPT2	cg00086577	rs1061118	G	A	-0.176	0.026	0.318	6.34E-12	-0.069	0.018	9.53E-05	0.013	47.195	TRUE	1.01E-09
COPD in never smokers	PPT2	cg00086577	rs1269839	T	G	-0.604	0.050	0.055	4.06E-34	0.003	0.036	0.929	0.039	148.230	TRUE	1.06E-32
COPD in never smokers	PPT2	cg00086577	rs151719	C	T	-0.203	0.027	0.248	6.05E-14	-0.026	0.019	0.179	0.015	56.326	TRUE	8.30E-13
COPD in never smokers	PPT2	cg00086577	rs17843607	G	A	-0.226	0.023	0.472	1.29E-22	-0.102	0.017	2.22E-09	0.025	95.725	TRUE	7.52E-18
COPD in never smokers	PPT2	cg00086577	rs201415661	T	C	0.346	0.051	0.147	1.17E-11	0.140	0.024	2.96E-09	0.012	46.003	TRUE	1.32E-08
COPD in never smokers	PPT2	cg00086577	rs2596464	T	C	-0.146	0.024	0.464	5.13E-10	-0.057	0.016	5.35E-04	0.010	38.607	TRUE	3.07E-08
COPD in never smokers	PPT2	cg00086577	rs3130283	A	C	-0.672	0.031	0.161	1.57E-103	-0.029	0.023	0.214	0.112	466.579	TRUE	7.36E-95
COPD in never smokers	PPT2	cg00086577	rs3131627	A	G	-0.228	0.024	0.404	1.88E-21	-0.004	0.017	0.827	0.024	90.419	TRUE	1.40E-20
COPD in never smokers	PPT2	cg00086577	rs34137317	T	C	-0.547	0.096	0.020	1.37E-08	-0.018	0.062	0.777	0.009	32.207	TRUE	3.03E-08
COPD in never smokers	PPT2	cg00086577	rs397515530	A	G	0.186	0.026	0.297	6.38E-13	-0.013	0.018	0.483	0.014	51.699	TRUE	3.53E-12
COPD in never smokers	PPT2	cg00086577	rs71534539	A	G	0.251	0.032	0.441	1.75E-15	0.025	0.018	0.175	0.017	63.295	TRUE	3.09E-14
COPD in never smokers	PPT2	cg00086577	rs7770045	G	T	0.144	0.024	0.451	8.06E-10	-0.023	0.017	0.170	0.010	37.725	TRUE	6.03E-09
COPD in never smokers	PPT2	cg00086577	rs805825	A	G	0.302	0.024	0.445	3.63E-37	0.065	0.017	7.86E-05	0.042	162.174	TRUE	3.64E-32
COPD in never smokers	PPT2	cg00086577	rs909253	G	A	0.311	0.024	0.360	1.08E-37	0.034	0.017	0.047	0.043	164.589	TRUE	2.29E-34
COPD in never smokers	PPT2	cg00086577	rs9264642	T	C	-0.142	0.024	0.393	5.68E-09	0.088	0.017	1.38E-07	0.009	33.924	TRUE	1.21E-06
COPD in never smokers	PPT2	cg00086577	rs9265494	C	T	0.235	0.025	0.336	3.05E-20	0.020	0.018	0.266	0.022	84.909	TRUE	7.70E-19
COPD in never smokers	PPT2	cg00086577	rs9268202	T	C	0.294	0.028	0.231	3.03E-26	0.045	0.020	0.021	0.029	112.264	TRUE	1.40E-23
COPD in never smokers	PPT2	cg00086577	rs9270505	A	G	-0.319	0.023	0.424	5.25E-42	-0.054	0.017	0.001	0.047	184.321	TRUE	3.58E-37
COPD in never smokers	PPT2	cg00086577	rs9272777	T	C	0.217	0.024	0.361	1.25E-19	-0.062	0.018	4.40E-04	0.022	82.130	TRUE	9.15E-17
COPD in never smokers	PPT2	cg00086577	rs9276816	T	C	0.221	0.024	0.423	1.00E-20	0.038	0.017	0.022	0.023	87.112	TRUE	1.60E-18
COPD in never smokers	PPT2	cg00086577	rs9501404	A	G	-0.301	0.033	0.163	2.49E-20	-0.124	0.027	3.05E-06	0.023	85.311	TRUE	1.11E-16
COPD in never smokers	PPT2	cg00110832	rs3130284	C	T	-0.184	0.027	0.236	2.15E-11	0.088	0.019	4.23E-06	0.012	44.807	TRUE	5.93E-09
COPD in never smokers	PPT2	cg00552704	rs3130284	C	T	-0.283	0.027	0.236	4.55E-25	0.088	0.019	4.23E-06	0.028	106.896	TRUE	6.78E-21
COPD in never smokers	PPT2	cg00552704	rs35915063	G	A	0.187	0.032	0.171	2.96E-09	0.026	0.021	0.226	0.009	35.193	TRUE	1.73E-08
COPD in never smokers	PPT2	cg00552704	rs6906662	A	G	-0.276	0.049	0.062	2.09E-08	-0.102	0.036	0.004	0.008	31.395	TRUE	4.70E-07
COPD in never smokers	PPT2	cg00552704	rs9267817	A	G	0.488	0.029	0.212	1.53E-65	0.034	0.020	0.088	0.073	292.192	TRUE	4.18E-60
COPD in never smokers	PPT2	cg00933538	rs115884658	A	G	0.645	0.092	0.021	1.80E-12	0.123	0.056	0.028	0.013	49.661	TRUE	5.19E-11
COPD in never smokers	PPT2	cg00933538	rs116416438	A	G	0.523	0.077	0.021	1.42E-11	-0.108	0.059	0.068	0.012	45.613	TRUE	2.30E-10
COPD in never smokers	PPT2	cg00933538	rs2854260	T	C	0.295	0.032	0.169	5.40E-20	0.027	0.022	0.215	0.022	83.782	TRUE	1.59E-18
COPD in never smokers	PPT2	cg00933538	rs3130284	C	T	-0.321	0.027	0.236	6.57E-32	0.088	0.019	4.23E-06	0.036	138.130	TRUE	6.03E-27
COPD in never smokers	PPT2	cg00933538	rs3213490	T	C	0.186	0.023	0.447	2.10E-15	-0.023	0.017	0.167	0.017	62.934	TRUE	3.78E-14
COPD in never smokers	PPT2	cg00933538	rs707930	T	C	0.254	0.024	0.464	1.32E-26	-0.025	0.016	0.135	0.030	113.915	TRUE	1.62E-24
COPD in never smokers	PPT2	cg00933538	rs9267817	A	G	0.763	0.028	0.212	1.04E-168	0.034	0.020	0.088	0.172	766.087	TRUE	1.35E-150
COPD in never smokers	PPT2	cg01111041	rs1269839	T	G	0.317	0.050	0.055	2.24E-10	0.003	0.036	0.929	0.011	40.225	TRUE	4.77E-10
COPD in never smokers	PPT2	cg02956248	rs3130283	A	C	0.261	0.032	0.161	2.57E-16	-0.029	0.023	0.214	0.018	67.070	TRUE	4.42E-15
COPD in never smokers	PPT2	cg03434432	rs151719	C	T	-0.310	0.027	0.248	7.99E-31	-0.026	0.019	0.179	0.035	133.172	TRUE	1.48E-28
COPD in never smokers	PPT2	cg03434432	rs176095	G	A	0.278	0.026	0.259	1.00E-25	0.080	0.019	1.81E-05	0.029	109.894	TRUE	1.08E-21

COPD in never smokers	PPT2	cg03434432	rs17843607	G	A	-0.395	0.023	0.472	6.53E-68	-0.102	0.017	2.22E-09	0.076	303.063	TRUE	3.42E-57
COPD in never smokers	PPT2	cg03434432	rs2308575	T	C	0.181	0.027	0.247	1.65E-11	-0.062	0.020	0.002	0.012	45.320	TRUE	9.88E-10
COPD in never smokers	PPT2	cg03434432	rs241447	C	T	0.172	0.028	0.242	4.51E-10	-0.052	0.019	0.007	0.010	38.859	TRUE	1.34E-08
COPD in never smokers	PPT2	cg03434432	rs3130283	A	C	-1.178	0.025	0.161	<1E-200	-0.029	0.023	0.214	0.368	2152.006	TRUE	<1E-200
COPD in never smokers	PPT2	cg03434432	rs3130934	A	C	-0.384	0.025	0.316	1.48E-51	-0.073	0.018	3.83E-05	0.058	228.066	TRUE	7.45E-45
COPD in never smokers	PPT2	cg03434432	rs3131627	A	G	-0.331	0.024	0.404	2.53E-44	-0.004	0.017	0.827	0.050	194.931	TRUE	3.51E-42
COPD in never smokers	PPT2	cg03434432	rs34137317	T	C	-0.985	0.096	0.020	8.43E-25	-0.018	0.062	0.777	0.028	105.677	TRUE	1.02E-23
COPD in never smokers	PPT2	cg03434432	rs3819306	G	A	0.159	0.024	0.382	3.03E-11	-0.032	0.017	0.062	0.012	44.131	TRUE	4.81E-10
COPD in never smokers	PPT2	cg03434432	rs41316200	T	C	0.224	0.031	0.171	8.26E-13	0.023	0.023	0.310	0.014	51.192	TRUE	6.51E-12
COPD in never smokers	PPT2	cg03434432	rs41542719	C	T	0.191	0.026	0.294	1.00E-13	0.011	0.019	0.540	0.015	55.332	TRUE	5.48E-13
COPD in never smokers	PPT2	cg03434432	rs429608	A	G	0.207	0.032	0.156	1.10E-10	-0.036	0.023	0.113	0.011	41.604	TRUE	1.18E-09
COPD in never smokers	PPT2	cg03434432	rs71536546	T	C	-0.424	0.035	0.474	4.76E-33	0.040	0.020	0.046	0.037	143.340	TRUE	4.39E-30
COPD in never smokers	PPT2	cg03434432	rs805825	A	G	0.302	0.024	0.445	2.82E-37	0.065	0.017	7.86E-05	0.042	162.674	TRUE	2.91E-32
COPD in never smokers	PPT2	cg03434432	rs9264626	T	C	-0.299	0.024	0.364	2.57E-34	0.086	0.017	5.73E-07	0.039	149.134	TRUE	9.40E-29
COPD in never smokers	PPT2	cg03434432	rs9267817	A	G	0.202	0.029	0.212	3.03E-12	0.034	0.020	0.088	0.013	48.643	TRUE	4.84E-11
COPD in never smokers	PPT2	cg03434432	rs9267857	G	A	0.272	0.024	0.417	6.10E-31	-0.003	0.017	0.848	0.035	133.710	TRUE	1.31E-29
COPD in never smokers	PPT2	cg03434432	rs9269020	G	A	0.259	0.023	0.404	2.68E-28	-0.009	0.018	0.602	0.032	121.640	TRUE	7.58E-27
COPD in never smokers	PPT2	cg03434432	rs9270171	A	C	-0.341	0.023	0.473	4.38E-49	-0.048	0.018	0.006	0.055	216.740	TRUE	4.69E-44
COPD in never smokers	PPT2	cg03434432	rs9273748	A	C	0.238	0.038	0.104	2.36E-10	0.015	0.031	0.637	0.011	40.123	TRUE	7.52E-10
COPD in never smokers	PPT2	cg03434432	rs9274096	C	A	0.267	0.024	0.365	4.68E-28	0.066	0.017	8.70E-05	0.032	120.534	TRUE	4.95E-24
COPD in never smokers	PPT2	cg03434432	rs9276579	A	G	-0.272	0.023	0.454	4.07E-32	0.012	0.017	0.468	0.036	139.084	TRUE	2.84E-30
COPD in never smokers	PPT2	cg03434432	rs9501404	A	G	-0.536	0.032	0.163	1.98E-62	-0.124	0.027	3.05E-06	0.070	277.915	TRUE	6.75E-54
COPD in never smokers	PPT2	cg03995156	rs1269839	T	G	-0.353	0.050	0.055	1.43E-12	0.003	0.036	0.929	0.013	50.114	TRUE	3.70E-12
COPD in never smokers	PPT2	cg03995156	rs3130283	A	C	-0.472	0.032	0.161	1.54E-50	-0.029	0.023	0.214	0.057	223.401	TRUE	6.56E-47
COPD in never smokers	PPT2	cg03995156	rs397515530	A	G	0.160	0.026	0.297	5.79E-10	-0.013	0.018	0.483	0.010	38.369	TRUE	2.24E-09
COPD in never smokers	PPT2	cg03995156	rs805825	A	G	0.197	0.024	0.445	1.56E-16	0.065	0.017	7.86E-05	0.018	68.055	TRUE	9.38E-14
COPD in never smokers	PPT2	cg03995156	rs9264642	T	C	-0.135	0.024	0.393	2.62E-08	0.088	0.017	1.38E-07	0.008	30.953	TRUE	4.26E-06
COPD in never smokers	PPT2	cg03995156	rs9270505	A	G	-0.192	0.024	0.424	5.16E-16	-0.054	0.017	0.001	0.017	65.698	TRUE	1.08E-13
COPD in never smokers	PPT2	cg03995156	rs9272777	T	C	0.174	0.024	0.361	3.59E-13	-0.062	0.018	4.40E-04	0.014	52.828	TRUE	5.30E-11
COPD in never smokers	PPT2	cg03995156	rs9276816	T	C	0.138	0.024	0.423	5.69E-09	0.038	0.017	0.022	0.009	33.921	TRUE	8.79E-08
COPD in never smokers	PPT2	cg04105091	rs3130348	A	C	-0.232	0.027	0.237	2.63E-17	0.088	0.019	4.26E-06	0.019	71.569	TRUE	4.47E-14
COPD in never smokers	PPT2	cg04105091	rs9267817	A	G	0.371	0.029	0.212	5.68E-38	0.034	0.020	0.088	0.043	165.858	TRUE	7.21E-35
COPD in never smokers	PPT2	cg04536704	rs151719	C	T	-0.176	0.027	0.248	6.97E-11	-0.026	0.019	0.179	0.011	42.504	TRUE	5.98E-10
COPD in never smokers	PPT2	cg04536704	rs3130283	A	C	-0.539	0.031	0.161	2.04E-66	-0.029	0.023	0.214	0.074	296.202	TRUE	1.85E-61
COPD in never smokers	PPT2	cg04536704	rs3130284	C	T	0.263	0.027	0.236	6.99E-22	0.088	0.019	4.23E-06	0.024	92.377	TRUE	4.36E-18
COPD in never smokers	PPT2	cg04536704	rs3131627	A	G	-0.190	0.024	0.404	1.46E-15	-0.004	0.017	0.827	0.017	63.653	TRUE	5.88E-15
COPD in never smokers	PPT2	cg04536704	rs743401	C	T	-0.159	0.024	0.404	1.89E-11	-0.036	0.017	0.033	0.012	45.062	TRUE	4.16E-10
COPD in never smokers	PPT2	cg04536704	rs7755290	G	A	-0.273	0.050	0.054	4.74E-08	0.010	0.036	0.783	0.008	29.805	TRUE	9.87E-08
COPD in never smokers	PPT2	cg04536704	rs805825	A	G	0.237	0.024	0.445	1.94E-23	0.065	0.017	7.86E-05	0.026	99.465	TRUE	6.86E-20
COPD in never smokers	PPT2	cg04536704	rs9265494	C	T	0.206	0.025	0.336	4.75E-16	0.020	0.018	0.266	0.017	65.860	TRUE	6.62E-15
COPD in never smokers	PPT2	cg04536704	rs9270505	A	G	-0.232	0.024	0.424	7.17E-23	-0.054	0.017	0.001	0.026	96.882	TRUE	7.15E-20
COPD in never smokers	PPT2	cg04536704	rs9274096	C	A	0.165	0.024	0.365	1.13E-11	0.066	0.017	8.70E-05	0.012	46.057	TRUE	1.72E-09

COPD in never smokers	PPT2	cg04536704	rs9276816	T	C	0.138	0.024	0.423	4.97E-09	0.038	0.017	0.022	0.009	34.184	TRUE	7.78E-08
COPD in never smokers	PPT2	cg04536704	rs9501404	A	G	-0.264	0.033	0.163	4.89E-16	-0.124	0.027	3.05E-06	0.017	65.806	TRUE	6.24E-13
COPD in never smokers	PPT2	cg04749507	rs1573648	A	G	-0.132	0.024	0.456	2.13E-08	-0.019	0.016	0.252	0.008	31.353	TRUE	1.03E-07
COPD in never smokers	PPT2	cg04749507	rs576791046	G	A	-0.262	0.045	0.087	8.50E-09	0.094	0.030	0.002	0.009	33.139	TRUE	2.67E-07
COPD in never smokers	PPT2	cg04749507	rs9267817	A	G	-0.445	0.029	0.212	1.05E-54	0.034	0.020	0.088	0.062	242.497	TRUE	3.10E-50
COPD in never smokers	PPT2	cg04856022	rs1269839	T	G	-0.307	0.050	0.055	8.37E-10	0.003	0.036	0.929	0.010	37.652	TRUE	1.70E-09
COPD in never smokers	PPT2	cg04856022	rs151719	C	T	-0.151	0.027	0.248	2.31E-08	-0.026	0.019	0.179	0.008	31.196	TRUE	1.33E-07
COPD in never smokers	PPT2	cg04856022	rs17843619	C	A	-0.182	0.023	0.496	3.73E-15	-0.101	0.017	2.85E-09	0.016	61.806	TRUE	1.60E-11
COPD in never smokers	PPT2	cg04856022	rs3130283	A	C	-0.577	0.031	0.161	1.19E-75	-0.029	0.023	0.214	0.084	338.570	TRUE	7.54E-70
COPD in never smokers	PPT2	cg04856022	rs3131627	A	G	-0.196	0.024	0.404	2.21E-16	-0.004	0.017	0.827	0.018	67.368	TRUE	9.68E-16
COPD in never smokers	PPT2	cg04856022	rs3134944	T	C	0.293	0.027	0.237	1.06E-26	0.088	0.019	3.66E-06	0.030	114.349	TRUE	2.57E-22
COPD in never smokers	PPT2	cg04856022	rs805825	A	G	0.243	0.024	0.445	1.60E-24	0.065	0.017	7.86E-05	0.027	104.403	TRUE	7.41E-21
COPD in never smokers	PPT2	cg04856022	rs9265494	C	T	0.210	0.025	0.336	1.37E-16	0.020	0.018	0.266	0.018	68.308	TRUE	2.06E-15
COPD in never smokers	PPT2	cg04856022	rs9270505	A	G	-0.229	0.024	0.424	2.71E-22	-0.054	0.017	0.001	0.025	94.251	TRUE	2.38E-19
COPD in never smokers	PPT2	cg04856022	rs9274096	C	A	0.160	0.024	0.365	4.88E-11	0.066	0.017	8.70E-05	0.012	43.203	TRUE	6.15E-09
COPD in never smokers	PPT2	cg04856022	rs9276816	T	C	0.167	0.024	0.423	1.99E-12	0.038	0.017	0.022	0.013	49.465	TRUE	6.35E-11
COPD in never smokers	PPT2	cg04856022	rs9501404	A	G	-0.277	0.033	0.163	1.78E-17	-0.124	0.027	3.05E-06	0.019	72.331	TRUE	3.49E-14
COPD in never smokers	PPT2	cg04877280	rs2763979	T	C	0.147	0.025	0.351	2.80E-09	0.066	0.017	9.54E-05	0.009	35.297	TRUE	2.03E-07
COPD in never smokers	PPT2	cg04877280	rs3130283	A	C	-0.319	0.032	0.161	7.18E-24	-0.029	0.023	0.214	0.027	101.436	TRUE	3.77E-22
COPD in never smokers	PPT2	cg05133205	rs112696801	A	G	0.316	0.055	0.054	9.80E-09	0.101	0.047	0.029	0.009	32.864	TRUE	1.29E-07
COPD in never smokers	PPT2	cg05133205	rs3130348	A	C	-0.309	0.027	0.237	1.11E-29	0.088	0.019	4.26E-06	0.033	127.959	TRUE	5.63E-25
COPD in never smokers	PPT2	cg05133205	rs6906662	A	G	-0.276	0.049	0.062	2.19E-08	-0.102	0.036	0.004	0.008	31.304	TRUE	4.90E-07
COPD in never smokers	PPT2	cg05133205	rs9267817	A	G	0.407	0.029	0.212	1.00E-45	0.034	0.020	0.088	0.052	201.349	TRUE	5.26E-42
COPD in never smokers	PPT2	cg05133205	rs9269017	A	G	-0.164	0.029	0.198	2.30E-08	0.055	0.023	0.018	0.008	31.207	TRUE	3.29E-07
COPD in never smokers	PPT2	cg05133205	rs9274096	C	A	-0.153	0.024	0.365	3.64E-10	0.066	0.017	8.70E-05	0.011	39.275	TRUE	3.53E-08
COPD in never smokers	PPT2	cg05323467	rs9267817	A	G	0.214	0.029	0.212	9.32E-14	0.034	0.020	0.088	0.015	55.477	TRUE	1.93E-12
COPD in never smokers	PPT2	cg06025456	rs6457535	A	G	0.198	0.032	0.158	4.32E-10	-0.041	0.023	0.084	0.010	38.942	TRUE	4.83E-09
COPD in never smokers	PPT2	cg06108383	rs3130283	A	C	0.264	0.032	0.161	1.09E-16	-0.029	0.023	0.214	0.018	68.758	TRUE	1.98E-15
COPD in never smokers	PPT2	cg06264679	rs112696801	A	G	0.361	0.055	0.054	6.08E-11	0.101	0.047	0.029	0.011	42.771	TRUE	1.27E-09
COPD in never smokers	PPT2	cg06264679	rs116416438	A	G	0.445	0.078	0.021	9.86E-09	-0.108	0.059	0.068	0.009	32.850	TRUE	9.43E-08
COPD in never smokers	PPT2	cg06264679	rs2243873	C	A	-0.143	0.024	0.459	2.38E-09	0.033	0.016	0.044	0.010	35.612	TRUE	3.05E-08
COPD in never smokers	PPT2	cg06264679	rs3130284	C	T	-0.271	0.027	0.236	4.71E-23	0.088	0.019	4.23E-06	0.026	97.712	TRUE	4.06E-19
COPD in never smokers	PPT2	cg06264679	rs6457646	A	G	0.136	0.023	0.447	6.79E-09	-0.023	0.017	0.166	0.009	33.575	TRUE	4.43E-08
COPD in never smokers	PPT2	cg06264679	rs9267817	A	G	0.542	0.028	0.212	4.40E-81	0.034	0.020	0.088	0.089	363.506	TRUE	3.85E-74
COPD in never smokers	PPT2	cg06814287	rs2596464	T	C	0.137	0.024	0.464	5.58E-09	-0.057	0.016	5.35E-04	0.009	33.958	TRUE	2.49E-07
COPD in never smokers	PPT2	cg06814287	rs3130283	A	C	0.262	0.032	0.161	1.99E-16	-0.029	0.023	0.214	0.018	67.575	TRUE	3.48E-15
COPD in never smokers	PPT2	cg06814287	rs3130284	C	T	-0.258	0.027	0.236	4.79E-21	0.088	0.019	4.23E-06	0.023	88.567	TRUE	2.37E-17
COPD in never smokers	PPT2	cg06814287	rs3957147	T	C	-0.203	0.030	0.188	2.66E-11	0.107	0.021	2.94E-07	0.012	44.390	TRUE	1.20E-08
COPD in never smokers	PPT2	cg06814287	rs76483802	G	A	-0.136	0.025	0.335	4.28E-08	0.072	0.018	5.30E-05	0.008	30.002	TRUE	2.38E-06
COPD in never smokers	PPT2	cg06814287	rs805825	A	G	-0.130	0.024	0.445	4.90E-08	0.065	0.017	7.86E-05	0.008	29.741	TRUE	2.47E-06
COPD in never smokers	PPT2	cg06814287	rs909253	G	A	-0.137	0.024	0.360	1.98E-08	0.034	0.017	0.047	0.008	31.495	TRUE	2.06E-07
COPD in never smokers	PPT2	cg06832687	rs151719	C	T	-0.159	0.027	0.248	4.00E-09	-0.026	0.019	0.179	0.009	34.603	TRUE	2.61E-08

COPD in never smokers	PPT2	cg06832687	rs3130283	A	C	-0.524	0.031	0.161	1.14E-62	-0.029	0.023	0.214	0.070	279.013	TRUE	4.87E-58
COPD in never smokers	PPT2	cg06832687	rs3130934	A	C	-0.163	0.026	0.316	2.20E-10	-0.073	0.018	3.83E-05	0.011	40.259	TRUE	2.74E-08
COPD in never smokers	PPT2	cg06832687	rs805825	A	G	0.190	0.024	0.445	1.60E-15	0.065	0.017	7.86E-05	0.017	63.465	TRUE	7.35E-13
COPD in never smokers	PPT2	cg06832687	rs9265494	C	T	0.146	0.025	0.336	9.57E-09	0.020	0.018	0.266	0.009	32.909	TRUE	4.72E-08
COPD in never smokers	PPT2	cg06832687	rs9270505	A	G	-0.176	0.024	0.424	7.81E-14	-0.054	0.017	0.001	0.015	55.822	TRUE	9.70E-12
COPD in never smokers	PPT2	cg06832687	rs9273710	G	A	-0.172	0.023	0.475	2.15E-13	-0.103	0.017	1.64E-09	0.014	53.834	TRUE	5.30E-10
COPD in never smokers	PPT2	cg06832687	rs9276816	T	C	0.137	0.024	0.423	7.00E-09	0.038	0.017	0.022	0.009	33.518	TRUE	1.06E-07
COPD in never smokers	PPT2	cg06832687	rs9501404	A	G	-0.211	0.033	0.163	9.75E-11	-0.124	0.027	3.05E-06	0.011	41.848	TRUE	2.31E-08
COPD in never smokers	PPT2	cg06902929	rs1269839	T	G	-0.423	0.050	0.055	1.69E-17	0.003	0.036	0.929	0.019	72.440	TRUE	6.91E-17
COPD in never smokers	PPT2	cg06902929	rs184006295	T	C	-0.194	0.033	0.130	5.99E-09	-0.022	0.025	0.377	0.009	33.820	TRUE	2.45E-08
COPD in never smokers	PPT2	cg06902929	rs9267817	A	G	0.161	0.029	0.212	2.71E-08	0.034	0.020	0.088	0.008	30.890	TRUE	2.14E-07
COPD in never smokers	PPT2	cg06902929	rs9270118	C	T	-0.165	0.024	0.344	1.88E-11	-0.044	0.020	0.027	0.012	45.067	TRUE	4.52E-10
COPD in never smokers	PPT2	cg08057899	rs201415661	T	C	-0.308	0.051	0.147	1.66E-09	0.140	0.024	2.96E-09	0.010	36.315	TRUE	7.76E-07
COPD in never smokers	PPT2	cg08057899	rs3134944	T	C	-0.250	0.027	0.237	3.02E-20	0.088	0.019	3.66E-06	0.022	84.930	TRUE	1.25E-16
COPD in never smokers	PPT2	cg08057899	rs9270455	C	T	0.218	0.036	0.484	2.42E-09	-0.043	0.018	0.018	0.010	35.586	TRUE	4.34E-08
COPD in never smokers	PPT2	cg08295094	rs1055890	G	A	0.162	0.025	0.356	4.91E-11	-0.040	0.017	0.019	0.012	43.189	TRUE	1.23E-09
COPD in never smokers	PPT2	cg08295094	rs111301312	G	T	-0.443	0.059	0.039	5.14E-14	-0.114	0.045	0.011	0.015	56.644	TRUE	3.07E-12
COPD in never smokers	PPT2	cg08295094	rs1419881	A	G	-0.190	0.023	0.488	2.91E-16	0.065	0.016	6.98E-05	0.018	66.827	TRUE	1.69E-13
COPD in never smokers	PPT2	cg08295094	rs2243873	C	A	-0.215	0.024	0.459	1.16E-19	0.033	0.016	0.044	0.022	82.276	TRUE	9.99E-18
COPD in never smokers	PPT2	cg08295094	rs2395191	T	C	0.191	0.025	0.357	1.17E-14	-0.033	0.018	0.062	0.016	59.547	TRUE	3.43E-13
COPD in never smokers	PPT2	cg08295094	rs3130348	A	C	-0.636	0.026	0.237	2.71E-129	0.088	0.019	4.26E-06	0.137	584.928	TRUE	5.37E-112
COPD in never smokers	PPT2	cg08295094	rs41543814	T	C	0.196	0.024	0.417	1.24E-16	-0.022	0.017	0.176	0.018	68.516	TRUE	2.58E-15
COPD in never smokers	PPT2	cg08295094	rs522254	G	A	0.215	0.028	0.207	2.81E-14	-0.008	0.020	0.671	0.015	57.833	TRUE	1.29E-13
COPD in never smokers	PPT2	cg08295094	rs536078405	A	C	-0.273	0.044	0.167	6.27E-10	-0.026	0.027	0.335	0.010	38.216	TRUE	3.16E-09
COPD in never smokers	PPT2	cg08295094	rs71543427	A	C	-0.500	0.077	0.024	1.05E-10	-0.035	0.060	0.563	0.011	41.698	TRUE	3.91E-10
COPD in never smokers	PPT2	cg08295094	rs9265494	C	T	-0.153	0.025	0.336	1.62E-09	0.020	0.018	0.266	0.010	36.361	TRUE	8.95E-09
COPD in never smokers	PPT2	cg08295094	rs9266225	C	T	0.152	0.026	0.310	3.63E-09	-0.038	0.018	0.036	0.009	34.794	TRUE	4.88E-08
COPD in never smokers	PPT2	cg08295094	rs9267817	A	G	0.190	0.029	0.212	4.04E-11	0.034	0.020	0.088	0.012	43.571	TRUE	5.31E-10
COPD in never smokers	PPT2	cg08295094	rs9269271	C	T	-0.302	0.041	0.283	1.06E-13	0.031	0.020	0.133	0.015	55.214	TRUE	1.70E-12
COPD in never smokers	PPT2	cg08295094	rs9273325	A	G	-0.324	0.032	0.150	1.15E-24	0.128	0.021	1.54E-09	0.028	105.065	TRUE	1.42E-19
COPD in never smokers	PPT2	cg08295094	rs9273544	A	G	0.237	0.023	0.451	9.59E-25	-0.098	0.017	9.75E-09	0.028	105.421	TRUE	7.65E-20
COPD in never smokers	PPT2	cg08295094	rs9274096	C	A	-0.175	0.024	0.365	5.57E-13	0.066	0.017	8.70E-05	0.014	51.964	TRUE	1.23E-10
COPD in never smokers	PPT2	cg10551329	rs3130283	A	C	0.182	0.032	0.161	1.07E-08	-0.029	0.023	0.214	0.009	32.689	TRUE	5.92E-08
COPD in never smokers	PPT2	cg11122280	rs1269839	T	G	0.483	0.050	0.055	1.72E-22	0.003	0.036	0.929	0.025	95.154	TRUE	1.17E-21
COPD in never smokers	PPT2	cg11386011	rs9267817	A	G	0.165	0.029	0.212	1.35E-08	0.034	0.020	0.088	0.009	32.246	TRUE	1.13E-07
COPD in never smokers	PPT2	cg11941520	rs176095	G	A	-0.180	0.027	0.259	1.24E-11	0.080	0.019	1.81E-05	0.012	45.889	TRUE	2.69E-09
COPD in never smokers	PPT2	cg11941520	rs2854260	T	C	0.219	0.032	0.169	1.19E-11	0.027	0.022	0.215	0.012	45.955	TRUE	1.03E-10
COPD in never smokers	PPT2	cg11941520	rs9267817	A	G	0.502	0.029	0.212	2.19E-69	0.034	0.020	0.088	0.077	309.825	TRUE	1.37E-63
COPD in never smokers	PPT2	cg12585943	rs3130348	A	C	-0.263	0.027	0.237	6.97E-22	0.088	0.019	4.26E-06	0.024	92.383	TRUE	4.34E-18
COPD in never smokers	PPT2	cg12585943	rs9267817	A	G	0.449	0.029	0.212	1.27E-55	0.034	0.020	0.088	0.063	246.711	TRUE	4.49E-51
COPD in never smokers	PPT2	cg12738718	rs3130348	A	C	-0.186	0.028	0.237	1.48E-11	0.088	0.019	4.26E-06	0.012	45.531	TRUE	4.32E-09
COPD in never smokers	PPT2	cg12738718	rs805825	A	G	-0.145	0.024	0.445	1.22E-09	0.065	0.017	7.86E-05	0.010	36.921	TRUE	1.03E-07

COPD in never smokers	PPT2	cg12738718	rs9267817	A	G	0.257	0.029	0.212	5.94E-19	0.034	0.020	0.088	0.021	79.044	TRUE	2.94E-17
COPD in never smokers	PPT2	cg12883279	rs1061808	T	G	0.147	0.024	0.377	1.07E-09	-0.058	0.017	7.39E-04	0.010	37.182	TRUE	5.38E-08
COPD in never smokers	PPT2	cg13102294	rs3134947	T	C	-0.264	0.027	0.237	5.81E-22	0.088	0.019	4.46E-06	0.024	92.741	TRUE	3.65E-18
COPD in never smokers	PPT2	cg13102294	rs41264356	G	A	0.276	0.047	0.162	3.89E-09	0.031	0.022	0.161	0.009	34.659	TRUE	2.68E-08
COPD in never smokers	PPT2	cg13102294	rs9267817	A	G	0.476	0.029	0.212	1.78E-62	0.034	0.020	0.088	0.070	278.133	TRUE	2.55E-57
COPD in never smokers	PPT2	cg13934406	rs3117578	A	G	0.205	0.032	0.153	1.43E-10	-0.021	0.023	0.356	0.011	41.096	TRUE	7.54E-10
COPD in never smokers	PPT2	cg14130039	rs3130348	A	C	-0.205	0.027	0.237	8.52E-14	0.088	0.019	4.26E-06	0.015	55.652	TRUE	5.06E-11
COPD in never smokers	PPT2	cg14130039	rs9267817	A	G	0.289	0.029	0.212	1.62E-23	0.034	0.020	0.088	0.026	99.830	TRUE	1.71E-21
COPD in never smokers	PPT2	cg14237933	rs9267817	A	G	0.227	0.028	0.212	1.32E-15	0.034	0.020	0.088	0.017	63.856	TRUE	3.72E-14
COPD in never smokers	PPT2	cg15755475	rs116329723	G	T	-1.085	0.104	0.015	1.37E-25	-0.011	0.070	0.879	0.029	109.282	TRUE	1.45E-24
COPD in never smokers	PPT2	cg15755475	rs1269839	T	G	-1.575	0.044	0.055	5.20E-284	0.003	0.036	0.929	0.259	1296.250	TRUE	1.22E-248
COPD in never smokers	PPT2	cg15755475	rs1419881	A	G	-0.197	0.023	0.488	3.10E-17	0.065	0.016	6.98E-05	0.019	71.243	TRUE	2.33E-14
COPD in never smokers	PPT2	cg15755475	rs17879746	T	C	-0.555	0.039	0.125	1.11E-46	-0.003	0.028	0.910	0.053	205.725	TRUE	1.71E-44
COPD in never smokers	PPT2	cg15755475	rs187764	T	C	-0.490	0.046	0.068	4.81E-26	-0.017	0.033	0.599	0.029	111.351	TRUE	1.03E-24
COPD in never smokers	PPT2	cg15755475	rs2261033	G	A	0.203	0.024	0.418	1.00E-17	-0.049	0.017	0.003	0.019	73.472	TRUE	2.20E-15
COPD in never smokers	PPT2	cg15755475	rs2516466	T	G	0.145	0.024	0.446	7.51E-10	-0.052	0.017	0.002	0.010	37.864	TRUE	3.24E-08
COPD in never smokers	PPT2	cg15755475	rs28366128	C	A	-0.210	0.025	0.307	1.21E-16	-0.052	0.018	0.004	0.018	68.556	TRUE	1.94E-14
COPD in never smokers	PPT2	cg15755475	rs28366176	G	T	-0.443	0.031	0.152	1.77E-46	-0.025	0.022	0.251	0.052	204.802	TRUE	2.93E-43
COPD in never smokers	PPT2	cg15755475	rs3210176	C	T	-0.165	0.024	0.299	7.71E-12	0.101	0.017	3.46E-09	0.012	46.813	TRUE	9.17E-09
COPD in never smokers	PPT2	cg15755475	rs41543814	T	C	-0.158	0.024	0.417	2.86E-11	-0.022	0.017	0.176	0.012	44.247	TRUE	2.63E-10
COPD in never smokers	PPT2	cg15755475	rs547911246	G	A	-0.253	0.026	0.256	7.58E-22	-0.026	0.019	0.167	0.024	92.216	TRUE	3.67E-20
COPD in never smokers	PPT2	cg15755475	rs6457646	A	G	0.154	0.023	0.447	3.75E-11	-0.023	0.017	0.166	0.012	43.717	TRUE	3.50E-10
COPD in never smokers	PPT2	cg15755475	rs9267857	G	A	-0.247	0.023	0.417	4.99E-26	-0.003	0.017	0.848	0.029	111.278	TRUE	5.95E-25
COPD in never smokers	PPT2	cg15755475	rs9269020	G	A	-0.147	0.023	0.404	3.54E-10	-0.009	0.018	0.602	0.011	39.328	TRUE	1.17E-09
COPD in never smokers	PPT2	cg17229678	rs112696801	A	G	0.528	0.055	0.054	7.21E-22	0.101	0.047	0.029	0.024	92.314	TRUE	1.19E-19
COPD in never smokers	PPT2	cg17229678	rs115884658	A	G	0.698	0.091	0.021	2.40E-14	0.123	0.056	0.028	0.015	58.145	TRUE	9.94E-13
COPD in never smokers	PPT2	cg17229678	rs116416438	A	G	0.497	0.078	0.021	1.46E-10	-0.108	0.059	0.068	0.011	41.057	TRUE	1.97E-09
COPD in never smokers	PPT2	cg17229678	rs116744327	A	G	0.330	0.056	0.050	3.48E-09	-0.054	0.037	0.148	0.009	34.876	TRUE	2.52E-08
COPD in never smokers	PPT2	cg17229678	rs2243873	C	A	-0.166	0.024	0.459	3.10E-12	0.033	0.016	0.044	0.013	48.599	TRUE	6.92E-11
COPD in never smokers	PPT2	cg17229678	rs23544	T	C	0.137	0.024	0.410	1.34E-08	-0.021	0.017	0.221	0.009	32.249	TRUE	7.19E-08
COPD in never smokers	PPT2	cg17229678	rs3130284	C	T	-0.331	0.027	0.236	1.06E-33	0.088	0.019	4.23E-06	0.038	146.320	TRUE	1.56E-28
COPD in never smokers	PPT2	cg17229678	rs6457646	A	G	0.186	0.023	0.447	1.96E-15	-0.023	0.017	0.166	0.017	63.068	TRUE	3.56E-14
COPD in never smokers	PPT2	cg17229678	rs6914412	C	T	-0.217	0.040	0.094	4.65E-08	0.001	0.028	0.957	0.008	29.841	TRUE	7.91E-08
COPD in never smokers	PPT2	cg17229678	rs707974	G	A	0.216	0.038	0.100	1.26E-08	-0.102	0.027	1.90E-04	0.009	32.378	TRUE	6.40E-07
COPD in never smokers	PPT2	cg17229678	rs9267817	A	G	0.799	0.027	0.212	3.47E-186	0.034	0.020	0.088	0.186	846.420	TRUE	2.58E-165
COPD in never smokers	PPT2	cg17229678	rs9272400	G	A	0.159	0.026	0.280	8.91E-10	0.058	0.018	0.002	0.010	37.531	TRUE	3.77E-08
COPD in never smokers	PPT2	cg17329164	rs112696801	A	G	0.344	0.055	0.054	4.32E-10	0.101	0.047	0.029	0.010	38.941	TRUE	7.56E-09
COPD in never smokers	PPT2	cg17329164	rs3130284	C	T	-0.279	0.027	0.236	2.02E-24	0.088	0.019	4.23E-06	0.027	103.946	TRUE	2.53E-20
COPD in never smokers	PPT2	cg17329164	rs9267817	A	G	0.463	0.029	0.212	4.63E-59	0.034	0.020	0.088	0.066	262.469	TRUE	3.28E-54
COPD in never smokers	PPT2	cg17384105	rs191641161	A	G	0.262	0.040	0.177	5.24E-11	0.011	0.035	0.742	0.012	43.061	TRUE	1.54E-10
COPD in never smokers	PPT2	cg17384105	rs41270893	G	A	0.269	0.047	0.122	8.14E-09	0.034	0.027	0.213	0.009	33.224	TRUE	4.60E-08
COPD in never smokers	PPT2	cg18049167	rs112696801	A	G	0.353	0.055	0.054	1.50E-10	0.101	0.047	0.029	0.011	41.004	TRUE	2.89E-09

COPD in never smokers	PPT2	cg18049167	rs3130284	C	T	-0.263	0.027	0.236	9.21E-22	0.088	0.019	4.23E-06	0.024	91.829	TRUE	5.56E-18
COPD in never smokers	PPT2	cg18049167	rs9267817	A	G	0.454	0.029	0.212	6.51E-57	0.034	0.020	0.088	0.064	252.619	TRUE	2.99E-52
COPD in never smokers	PPT2	cg19048176	rs9267817	A	G	-0.197	0.028	0.212	4.50E-12	0.034	0.020	0.088	0.013	47.868	TRUE	6.98E-11
COPD in never smokers	PPT2	cg20328456	rs3130348	A	C	-0.212	0.027	0.237	1.15E-14	0.088	0.019	4.26E-06	0.016	59.582	TRUE	8.95E-12
COPD in never smokers	PPT2	cg20328456	rs9267817	A	G	0.167	0.029	0.212	9.53E-09	0.034	0.020	0.088	0.009	32.918	TRUE	8.19E-08
COPD in never smokers	PPT2	cg21241317	rs1063346	A	G	-0.138	0.023	0.448	2.06E-09	-0.102	0.017	2.49E-09	0.010	35.894	TRUE	9.47E-07
COPD in never smokers	PPT2	cg21241317	rs3130283	A	C	-0.351	0.031	0.161	3.38E-29	-0.029	0.023	0.214	0.033	125.746	TRUE	4.00E-27
COPD in never smokers	PPT2	cg23359665	rs3130283	A	C	0.272	0.032	0.161	1.21E-17	-0.029	0.023	0.214	0.019	73.105	TRUE	2.52E-16
COPD in never smokers	PPT2	cg23470939	rs138039007	C	T	0.553	0.087	0.022	1.62E-10	0.141	0.052	0.007	0.011	40.857	TRUE	5.20E-09
COPD in never smokers	PPT2	cg23470939	rs3130348	A	C	-0.257	0.027	0.237	6.66E-21	0.088	0.019	4.26E-06	0.023	87.917	TRUE	3.16E-17
COPD in never smokers	PPT2	cg23470939	rs3213490	T	C	0.163	0.023	0.447	3.56E-12	-0.023	0.017	0.167	0.013	48.325	TRUE	3.90E-11
COPD in never smokers	PPT2	cg23470939	rs35353422	A	C	0.254	0.032	0.175	1.69E-15	0.029	0.022	0.180	0.017	63.359	TRUE	2.93E-14
COPD in never smokers	PPT2	cg23470939	rs707930	T	C	0.196	0.024	0.464	2.20E-16	-0.025	0.016	0.135	0.018	67.381	TRUE	5.34E-15
COPD in never smokers	PPT2	cg23470939	rs7453498	T	C	0.140	0.025	0.327	3.00E-08	-0.035	0.019	0.062	0.008	30.692	TRUE	2.70E-07
COPD in never smokers	PPT2	cg23470939	rs9267817	A	G	0.614	0.028	0.212	9.17E-106	0.034	0.020	0.088	0.114	476.833	TRUE	3.90E-96
COPD in never smokers	PPT2	cg23660356	rs1269839	T	G	0.359	0.049	0.055	3.92E-13	0.003	0.036	0.929	0.014	52.652	TRUE	1.07E-12
COPD in never smokers	PPT2	cg24009529	rs1050444	A	G	-0.228	0.032	0.185	6.87E-13	-0.032	0.021	0.131	0.014	51.554	TRUE	9.72E-12
COPD in never smokers	PPT2	cg24009529	rs11759423	T	C	-0.271	0.044	0.068	1.04E-09	-0.025	0.031	0.425	0.010	37.231	TRUE	4.30E-09
COPD in never smokers	PPT2	cg24009529	rs1266071	T	C	-0.266	0.038	0.098	2.72E-12	-0.101	0.027	2.00E-04	0.013	48.854	TRUE	3.97E-10
COPD in never smokers	PPT2	cg24009529	rs12722072	A	G	-0.264	0.030	0.161	1.78E-18	0.002	0.022	0.938	0.020	76.875	TRUE	7.89E-18
COPD in never smokers	PPT2	cg24009529	rs1419881	A	G	0.274	0.023	0.488	5.28E-32	0.065	0.016	6.98E-05	0.036	138.566	TRUE	1.60E-27
COPD in never smokers	PPT2	cg24009529	rs144027808	G	A	0.533	0.059	0.040	1.83E-19	-0.109	0.044	0.014	0.022	81.373	TRUE	2.90E-17
COPD in never smokers	PPT2	cg24009529	rs171329	A	G	-0.157	0.024	0.497	2.49E-11	-0.009	0.016	0.571	0.012	44.516	TRUE	9.80E-11
COPD in never smokers	PPT2	cg24009529	rs3130348	A	C	0.943	0.023	0.237	<1E-200	0.088	0.019	4.26E-06	0.310	1660.227	TRUE	9.82E-298
COPD in never smokers	PPT2	cg24009529	rs3210176	C	T	0.293	0.024	0.299	3.18E-34	0.101	0.017	3.46E-09	0.039	148.716	TRUE	6.11E-28
COPD in never smokers	PPT2	cg24009529	rs3819292	A	C	-0.197	0.033	0.154	2.23E-09	0.058	0.023	0.011	0.010	35.738	TRUE	4.83E-08
COPD in never smokers	PPT2	cg24009529	rs408359	A	G	-0.286	0.048	0.066	2.74E-09	0.003	0.034	0.929	0.009	35.339	TRUE	5.33E-09
COPD in never smokers	PPT2	cg24009529	rs41316204	C	T	-0.241	0.032	0.170	3.54E-14	0.007	0.023	0.752	0.015	57.378	TRUE	1.41E-13
COPD in never smokers	PPT2	cg24009529	rs4959024	T	C	-0.288	0.024	0.374	3.63E-32	0.001	0.017	0.941	0.036	139.310	TRUE	7.24E-31
COPD in never smokers	PPT2	cg24009529	rs536078405	A	C	0.376	0.044	0.167	2.38E-17	-0.026	0.027	0.335	0.019	71.761	TRUE	3.25E-16
COPD in never smokers	PPT2	cg24009529	rs561942189	G	T	0.233	0.037	0.383	4.84E-10	0.047	0.017	0.005	0.010	38.720	TRUE	1.52E-08
COPD in never smokers	PPT2	cg24009529	rs56263516	G	T	-0.227	0.040	0.096	1.39E-08	-0.038	0.028	0.178	0.009	32.190	TRUE	8.30E-08
COPD in never smokers	PPT2	cg24009529	rs62396663	A	G	0.667	0.094	0.014	1.00E-12	-0.065	0.072	0.371	0.014	50.808	TRUE	6.80E-12
COPD in never smokers	PPT2	cg24009529	rs6457598	T	C	-0.225	0.026	0.291	9.39E-18	-0.026	0.019	0.160	0.020	73.598	TRUE	2.50E-16
COPD in never smokers	PPT2	cg24009529	rs71543427	A	C	0.691	0.078	0.024	5.58E-19	-0.035	0.060	0.563	0.021	79.167	TRUE	5.42E-18
COPD in never smokers	PPT2	cg24009529	rs77488547	C	T	0.680	0.095	0.017	6.45E-13	-0.041	0.059	0.489	0.014	51.676	TRUE	3.53E-12
COPD in never smokers	PPT2	cg24009529	rs9265494	C	T	0.225	0.025	0.336	9.95E-19	0.020	0.018	0.266	0.021	78.027	TRUE	2.02E-17
COPD in never smokers	PPT2	cg24009529	rs9266216	C	T	0.323	0.024	0.408	1.14E-41	0.042	0.017	0.012	0.047	182.776	TRUE	1.58E-37
COPD in never smokers	PPT2	cg24009529	rs9267817	A	G	-0.301	0.029	0.212	1.72E-25	0.034	0.020	0.088	0.029	108.828	TRUE	2.53E-23
COPD in never smokers	PPT2	cg24009529	rs9270438	G	A	-0.526	0.036	0.497	2.11E-49	-0.049	0.018	0.005	0.056	218.195	TRUE	2.75E-44
COPD in never smokers	PPT2	cg24009529	rs9274096	C	A	0.292	0.024	0.365	2.12E-33	0.066	0.017	8.70E-05	0.038	144.951	TRUE	8.16E-29
COPD in never smokers	PPT2	cg24009529	rs9276570	C	T	-0.148	0.024	0.413	6.11E-10	-0.020	0.018	0.263	0.010	38.265	TRUE	3.61E-09

COPD in never smokers	PPT2	cg24509300	rs3130283	A	C	-0.426	0.032	0.161	2.46E-41	-0.029	0.023	0.214	0.047	181.252	TRUE	2.08E-38
COPD in never smokers	PPT2	cg24509300	rs34665982	T	C	-0.129	0.023	0.498	3.56E-08	-0.051	0.017	0.002	0.008	30.361	TRUE	8.81E-07
COPD in never smokers	PPT2	cg24509300	rs9501404	A	G	-0.216	0.033	0.163	3.64E-11	-0.124	0.027	3.05E-06	0.012	43.774	TRUE	9.98E-09
COPD in never smokers	PPT2	cg25426302	rs3130283	A	C	0.353	0.032	0.161	1.18E-28	-0.029	0.023	0.214	0.032	123.264	TRUE	1.29E-26
COPD in never smokers	PPT2	cg25426302	rs9267817	A	G	-0.190	0.029	0.212	5.73E-11	0.034	0.020	0.088	0.011	42.887	TRUE	7.33E-10
COPD in never smokers	PPT2	cg25426302	rs9267857	G	A	-0.155	0.024	0.417	5.61E-11	-0.003	0.017	0.848	0.011	42.930	TRUE	1.41E-10
COPD in never smokers	PPT2	cg25426302	rs9270276	A	G	0.138	0.023	0.486	3.21E-09	-0.052	0.018	0.003	0.009	35.034	TRUE	9.37E-08
COPD in never smokers	PPT2	cg26169408	rs201415661	T	C	0.328	0.051	0.147	1.28E-10	0.140	0.024	2.96E-09	0.011	41.318	TRUE	9.54E-08
COPD in never smokers	PPT2	cg26169408	rs2243873	C	A	0.163	0.023	0.459	4.18E-12	0.033	0.016	0.044	0.013	48.014	TRUE	9.10E-11
COPD in never smokers	PPT2	cg26169408	rs3134947	T	C	0.340	0.027	0.237	1.35E-36	0.088	0.019	4.46E-06	0.041	159.558	TRUE	4.14E-31
COPD in never smokers	PPT2	cg26169408	rs9269038	C	T	0.182	0.031	0.208	3.07E-09	0.074	0.024	0.002	0.009	35.120	TRUE	1.08E-07
COPD in never smokers	PPT2	cg26169408	rs9270438	G	A	-0.291	0.037	0.497	1.55E-15	-0.049	0.018	0.005	0.017	63.535	TRUE	1.67E-13
COPD in never smokers	PPT2	cg27070869	rs3130283	A	C	-0.221	0.031	0.161	2.21E-12	-0.029	0.023	0.214	0.013	49.257	TRUE	2.13E-11
COPD in never smokers	PPT2	cg27134827	rs112696801	A	G	0.495	0.055	0.054	2.32E-19	0.101	0.047	0.029	0.021	80.899	TRUE	2.42E-17
COPD in never smokers	PPT2	cg27134827	rs115884658	A	G	0.629	0.092	0.021	6.03E-12	0.123	0.056	0.028	0.013	47.295	TRUE	1.56E-10
COPD in never smokers	PPT2	cg27134827	rs2243873	C	A	-0.159	0.024	0.459	3.00E-11	0.033	0.016	0.044	0.012	44.153	TRUE	5.56E-10
COPD in never smokers	PPT2	cg27134827	rs3130284	C	T	-0.299	0.027	0.236	9.69E-28	0.088	0.019	4.23E-06	0.031	119.090	TRUE	2.95E-23
COPD in never smokers	PPT2	cg27134827	rs6457646	A	G	0.150	0.023	0.447	1.63E-10	-0.023	0.017	0.166	0.011	40.845	TRUE	1.38E-09
COPD in never smokers	PPT2	cg27134827	rs6914412	C	T	-0.223	0.040	0.094	1.87E-08	0.001	0.028	0.957	0.008	31.611	TRUE	3.28E-08
COPD in never smokers	PPT2	cg27134827	rs9267817	A	G	0.735	0.028	0.212	9.15E-155	0.034	0.020	0.088	0.160	701.985	TRUE	9.93E-139
COPD in never smokers	PPT2	cg27134827	rs9272400	G	A	0.157	0.026	0.280	1.39E-09	0.058	0.018	0.002	0.010	36.657	TRUE	5.60E-08
COPD in never smokers	PRKAB2	cg00030476	rs1969869	T	G	-0.182	0.026	0.282	4.24E-12	-0.005	0.018	0.775	0.013	47.983	TRUE	1.32E-11
COPD in never smokers	PRKAB2	cg00030476	rs6678588	C	A	-1.053	0.067	0.030	1.87E-55	0.000	0.051	0.996	0.062	245.930	TRUE	8.49E-53
COPD in never smokers	PRKAB2	cg04870460	rs11809904	A	G	0.163	0.024	0.373	2.22E-11	0.035	0.017	0.038	0.012	44.742	TRUE	4.50E-10
COPD in never smokers	PRKAG2	cg00157109	rs35488759	T	C	-0.315	0.044	0.074	7.18E-13	-0.018	0.031	0.560	0.014	51.466	TRUE	3.43E-12
COPD in never smokers	PRKAG2	cg00157109	rs4265106	A	G	-0.224	0.027	0.257	7.90E-17	0.003	0.019	0.882	0.018	69.397	TRUE	3.28E-16
COPD in never smokers	PRKAG2	cg00157109	rs7795096	C	T	0.245	0.023	0.481	8.17E-26	0.012	0.016	0.472	0.029	110.300	TRUE	2.36E-24
COPD in never smokers	PRKAG2	cg00491428	rs11771304	A	G	-0.216	0.034	0.140	3.48E-10	0.000	0.024	0.995	0.011	39.366	TRUE	6.68E-10
COPD in never smokers	PRKAG2	cg00491428	rs35148810	T	C	-0.284	0.031	0.190	1.97E-20	0.015	0.020	0.448	0.023	85.773	TRUE	3.00E-19
COPD in never smokers	PRKAG2	cg00491428	rs3813852	C	T	-1.088	0.027	0.175	<1E-200	0.030	0.021	0.161	0.309	1657.439	TRUE	6.88E-306
COPD in never smokers	PRKAG2	cg00491428	rs9648727	T	C	0.300	0.024	0.349	8.40E-35	-0.047	0.018	0.008	0.039	151.358	TRUE	3.93E-31
COPD in never smokers	PRKAG2	cg01005180	rs1971030	T	C	0.173	0.024	0.413	4.08E-13	0.018	0.017	0.295	0.014	52.574	TRUE	3.48E-12
COPD in never smokers	PRKAG2	cg01005180	rs2727553	G	A	0.387	0.023	0.490	4.21E-64	-0.012	0.016	0.461	0.072	285.587	TRUE	6.04E-60
COPD in never smokers	PRKAG2	cg01423695	rs140166603	A	G	0.195	0.028	0.215	6.79E-12	0.002	0.020	0.933	0.013	47.063	TRUE	1.64E-11
COPD in never smokers	PRKAG2	cg01423695	rs9648724	A	G	-0.251	0.027	0.243	1.15E-20	0.014	0.019	0.480	0.023	86.834	TRUE	1.67E-19
COPD in never smokers	PRKAG2	cg01588379	rs13239239	C	T	0.185	0.025	0.349	7.87E-14	-0.010	0.018	0.574	0.015	55.808	TRUE	4.09E-13
COPD in never smokers	PRKAG2	cg01588379	rs56308233	A	C	-0.395	0.072	0.027	4.65E-08	-0.048	0.052	0.363	0.008	29.841	TRUE	1.73E-07
COPD in never smokers	PRKAG2	cg01588379	rs6464166	C	T	-0.313	0.030	0.192	1.06E-25	-0.003	0.021	0.896	0.029	109.783	TRUE	1.10E-24
COPD in never smokers	PRKAG2	cg01588379	rs76351165	A	C	-0.732	0.068	0.052	2.64E-27	-0.071	0.035	0.044	0.031	117.103	TRUE	8.97E-25
COPD in never smokers	PRKAG2	cg03323793	rs10260657	A	G	0.154	0.025	0.319	1.00E-09	0.014	0.018	0.444	0.010	37.301	TRUE	4.02E-09
COPD in never smokers	PRKAG2	cg03323793	rs11772588	A	C	-0.435	0.032	0.158	5.18E-43	-0.004	0.023	0.874	0.049	188.928	TRUE	5.19E-41
COPD in never smokers	PRKAG2	cg03567939	rs11768925	G	A	-0.181	0.027	0.273	1.02E-11	0.027	0.019	0.154	0.012	46.263	TRUE	1.09E-10

COPD in never smokers	PRKAG2	cg03567939	rs118118867	T	C	-0.201	0.028	0.219	8.21E-13	0.009	0.020	0.642	0.014	51.204	TRUE	3.39E-12
COPD in never smokers	PRKAG2	cg03567939	rs34388354	G	T	0.171	0.030	0.202	1.26E-08	0.012	0.020	0.562	0.009	32.373	TRUE	3.71E-08
COPD in never smokers	PRKAG2	cg03567939	rs6464172	A	G	0.547	0.031	0.432	1.97E-70	0.007	0.017	0.670	0.078	314.622	TRUE	3.97E-66
COPD in never smokers	PRKAG2	cg03567939	rs9648724	A	G	-0.276	0.027	0.243	1.23E-24	0.014	0.019	0.480	0.028	104.935	TRUE	2.97E-23
COPD in never smokers	PRKAG2	cg04058799	rs11772588	A	C	-0.453	0.032	0.158	7.23E-47	-0.004	0.023	0.874	0.053	206.583	TRUE	1.27E-44
COPD in never smokers	PRKAG2	cg04058799	rs1881628	T	G	-0.190	0.030	0.193	3.17E-10	-0.034	0.021	0.107	0.011	39.545	TRUE	3.23E-09
COPD in never smokers	PRKAG2	cg04058799	rs7776530	C	A	0.143	0.025	0.325	1.18E-08	-0.040	0.018	0.025	0.009	32.509	TRUE	1.62E-07
COPD in never smokers	PRKAG2	cg05807157	rs12703162	T	C	-0.131	0.023	0.431	1.69E-08	-0.016	0.017	0.339	0.009	31.807	TRUE	6.94E-08
COPD in never smokers	PRKAG2	cg05807157	rs145499729	A	G	0.663	0.082	0.020	7.27E-16	-0.031	0.051	0.545	0.017	65.023	TRUE	5.05E-15
COPD in never smokers	PRKAG2	cg05953394	rs112119324	T	C	0.411	0.070	0.048	3.68E-09	-0.113	0.038	0.003	0.009	34.766	TRUE	1.12E-07
COPD in never smokers	PRKAG2	cg07132038	rs10500202	T	C	0.677	0.067	0.053	9.03E-24	-0.073	0.035	0.038	0.027	100.982	TRUE	1.81E-21
COPD in never smokers	PRKAG2	cg07132038	rs1881643	C	A	0.166	0.024	0.482	2.98E-12	-0.012	0.016	0.462	0.013	48.678	TRUE	1.58E-11
COPD in never smokers	PRKAG2	cg07132038	rs9690705	G	A	-0.130	0.024	0.435	3.42E-08	-0.017	0.017	0.297	0.008	30.439	TRUE	1.46E-07
COPD in never smokers	PRKAG2	cg07161146	rs145499729	A	G	-0.674	0.082	0.020	1.39E-16	-0.031	0.051	0.545	0.018	68.280	TRUE	1.05E-15
COPD in never smokers	PRKAG2	cg07804434	rs140166603	A	G	0.156	0.028	0.215	3.81E-08	0.002	0.020	0.933	0.008	30.227	TRUE	6.71E-08
COPD in never smokers	PRKAG2	cg07804434	rs1881634	C	T	-0.365	0.042	0.164	6.01E-18	0.009	0.022	0.694	0.020	74.476	TRUE	3.96E-17
COPD in never smokers	PRKAG2	cg07804434	rs1969558	A	C	0.238	0.034	0.138	2.24E-12	0.005	0.025	0.855	0.013	49.237	TRUE	6.33E-12
COPD in never smokers	PRKAG2	cg07804434	rs4726102	G	A	0.293	0.037	0.247	5.40E-15	0.010	0.019	0.577	0.016	61.076	TRUE	3.19E-14
COPD in never smokers	PRKAG2	cg07804434	rs56922253	T	C	0.324	0.040	0.096	3.33E-16	-0.057	0.028	0.043	0.018	66.560	TRUE	1.58E-14
COPD in never smokers	PRKAG2	cg07804434	rs62478250	A	G	-0.813	0.021	0.327	<1E-200	-0.007	0.017	0.691	0.286	1484.577	TRUE	6.55E-280
COPD in never smokers	PRKAG2	cg07804434	rs6464182	T	C	-0.286	0.027	0.264	6.52E-27	0.014	0.019	0.459	0.030	115.310	TRUE	2.27E-25
COPD in never smokers	PRKAG2	cg07804434	rs9648727	T	C	-0.461	0.024	0.349	3.76E-82	-0.047	0.018	0.008	0.091	368.408	TRUE	7.69E-74
COPD in never smokers	PRKAG2	cg08265392	rs2536059	A	G	-0.218	0.023	0.490	7.55E-21	0.028	0.016	0.088	0.023	87.670	TRUE	5.10E-19
COPD in never smokers	PRKAG2	cg08930413	rs10276297	C	T	0.212	0.025	0.322	2.72E-17	0.014	0.018	0.423	0.019	71.500	TRUE	2.94E-16
COPD in never smokers	PRKAG2	cg08930413	rs11971243	T	C	-0.707	0.031	0.160	4.06E-117	-0.005	0.023	0.829	0.125	528.989	TRUE	1.63E-108
COPD in never smokers	PRKAG2	cg08930413	rs1881628	T	G	-0.259	0.030	0.193	1.01E-17	-0.034	0.021	0.107	0.019	73.460	TRUE	3.56E-16
COPD in never smokers	PRKAG2	cg08930413	rs6950343	T	C	0.290	0.050	0.057	6.89E-09	-0.065	0.037	0.076	0.009	33.548	TRUE	6.47E-08
COPD in never smokers	PRKAG2	cg08930413	rs80230353	A	G	-0.513	0.082	0.020	4.71E-10	-0.025	0.051	0.618	0.010	38.772	TRUE	1.50E-09
COPD in never smokers	PRKAG2	cg09397579	rs4631369	G	A	-0.208	0.032	0.384	1.37E-10	0.012	0.017	0.462	0.011	41.191	TRUE	5.91E-10
COPD in never smokers	PRKAG2	cg09397579	rs77307127	T	C	-0.785	0.101	0.024	1.03E-14	-0.004	0.052	0.935	0.016	59.811	TRUE	3.19E-14
COPD in never smokers	PRKAG2	cg09403494	rs7791936	A	C	0.175	0.025	0.347	8.41E-13	-0.006	0.017	0.740	0.014	51.155	TRUE	2.96E-12
COPD in never smokers	PRKAG2	cg09449988	rs1029947	C	T	-0.478	0.037	0.110	4.91E-38	0.001	0.026	0.962	0.043	166.148	TRUE	1.95E-36
COPD in never smokers	PRKAG2	cg09449988	rs11771194	A	G	0.211	0.025	0.306	4.29E-17	-0.007	0.018	0.691	0.019	70.602	TRUE	2.59E-16
COPD in never smokers	PRKAG2	cg09449988	rs17134624	A	G	-0.481	0.070	0.032	4.50E-12	0.038	0.052	0.469	0.013	47.866	TRUE	2.30E-11
COPD in never smokers	PRKAG2	cg09449988	rs1860735	T	C	-0.226	0.038	0.110	1.87E-09	-0.005	0.026	0.841	0.010	36.082	TRUE	4.13E-09
COPD in never smokers	PRKAG2	cg09449988	rs372442299	A	C	-0.463	0.075	0.024	7.80E-10	0.026	0.050	0.601	0.010	37.788	TRUE	2.48E-09
COPD in never smokers	PRKAG2	cg09449988	rs4726061	C	T	0.308	0.034	0.144	3.28E-19	-0.012	0.024	0.623	0.021	80.219	TRUE	2.88E-18
COPD in never smokers	PRKAG2	cg09449988	rs4726070	G	A	-0.696	0.023	0.392	2.74E-204	-0.028	0.017	0.093	0.201	929.645	TRUE	1.94E-180
COPD in never smokers	PRKAG2	cg09449988	rs4726084	A	G	-0.310	0.029	0.205	9.67E-27	-0.023	0.021	0.265	0.030	114.530	TRUE	6.29E-25
COPD in never smokers	PRKAG2	cg09449988	rs77001183	G	T	-0.609	0.095	0.014	1.23E-10	-0.010	0.056	0.864	0.011	41.402	TRUE	2.92E-10
COPD in never smokers	PRKAG2	cg09969528	rs4015360	G	A	-0.150	0.027	0.244	3.17E-08	-0.013	0.019	0.497	0.008	30.582	TRUE	9.76E-08
COPD in never smokers	PRKAG2	cg10363569	rs11976285	G	A	-0.308	0.024	0.420	4.56E-39	0.004	0.017	0.819	0.044	170.871	TRUE	3.06E-37

COPD in never smokers	PRKAG2	cg10370262	rs869033	C	T	-0.178	0.032	0.144	3.92E-08	0.018	0.023	0.443	0.008	30.172	TRUE	1.29E-07
COPD in never smokers	PRKAG2	cg10902667	rs13239239	C	T	0.151	0.025	0.349	7.92E-10	-0.010	0.018	0.574	0.010	37.759	TRUE	2.62E-09
COPD in never smokers	PRKAG2	cg12762399	rs73158122	A	C	-0.242	0.037	0.108	4.76E-11	0.003	0.027	0.925	0.012	43.249	TRUE	1.08E-10
COPD in never smokers	PRKAG2	cg12835599	rs12533239	T	C	-0.163	0.023	0.434	1.77E-12	-0.013	0.017	0.432	0.013	49.697	TRUE	1.02E-11
COPD in never smokers	PRKAG2	cg12835599	rs6978617	T	C	0.284	0.040	0.093	8.44E-13	-0.046	0.029	0.115	0.014	51.150	TRUE	1.27E-11
COPD in never smokers	PRKAG2	cg12835599	rs80230353	A	G	0.672	0.081	0.020	8.57E-17	-0.025	0.051	0.618	0.018	69.236	TRUE	5.75E-16
COPD in never smokers	PRKAG2	cg12978800	rs10278273	C	T	0.290	0.037	0.114	5.74E-15	0.012	0.026	0.655	0.016	60.955	TRUE	2.93E-14
COPD in never smokers	PRKAG2	cg12978800	rs1104897	T	C	-0.278	0.032	0.166	4.47E-18	0.003	0.023	0.903	0.020	75.059	TRUE	2.03E-17
COPD in never smokers	PRKAG2	cg12978800	rs6464164	T	C	0.518	0.023	0.414	1.19E-110	-0.002	0.017	0.886	0.119	499.286	TRUE	7.00E-103
COPD in never smokers	PRKAG2	cg13686795	rs12532554	T	C	-0.225	0.041	0.094	2.94E-08	-0.010	0.030	0.737	0.008	30.730	TRUE	6.61E-08
COPD in never smokers	PRKAG2	cg15453708	rs11766272	A	G	-0.336	0.059	0.113	1.17E-08	-0.005	0.026	0.838	0.009	32.512	TRUE	2.42E-08
COPD in never smokers	PRKAG2	cg15453708	rs4442045	T	C	0.448	0.030	0.187	1.65E-50	0.015	0.021	0.490	0.057	223.267	TRUE	1.84E-47
COPD in never smokers	PRKAG2	cg16391727	rs2429833	T	C	-0.309	0.030	0.182	2.73E-24	-0.002	0.022	0.922	0.027	103.347	TRUE	2.29E-23
COPD in never smokers	PRKAG2	cg16986150	rs12532554	T	C	0.231	0.041	0.094	1.49E-08	-0.010	0.030	0.737	0.009	32.043	TRUE	3.46E-08
COPD in never smokers	PRKAG2	cg16986150	rs6464179	A	G	-0.335	0.041	0.081	3.14E-16	-0.009	0.030	0.755	0.018	66.678	TRUE	1.53E-15
COPD in never smokers	PRKAG2	cg16986150	rs6950348	C	T	-0.145	0.025	0.320	7.42E-09	-0.015	0.018	0.409	0.009	33.403	TRUE	2.83E-08
COPD in never smokers	PRKAG2	cg16986150	rs75255473	A	G	-0.153	0.027	0.284	1.22E-08	0.002	0.020	0.915	0.009	32.442	TRUE	2.28E-08
COPD in never smokers	PRKAG2	cg16986150	rs7789674	A	G	0.509	0.023	0.436	2.77E-113	0.007	0.017	0.683	0.121	511.377	TRUE	8.30E-105
COPD in never smokers	PRKAG2	cg16994041	rs12540943	A	G	0.316	0.045	0.151	1.53E-12	-0.013	0.023	0.576	0.013	49.978	TRUE	6.86E-12
COPD in never smokers	PRKAG2	cg16994041	rs4442045	T	C	0.987	0.026	0.187	4.92E-304	0.015	0.021	0.490	0.274	1397.543	TRUE	1.79E-264
COPD in never smokers	PRKAG2	cg16994041	rs58825093	T	C	-0.379	0.027	0.226	2.43E-43	-0.001	0.020	0.968	0.049	190.433	TRUE	1.95E-41
COPD in never smokers	PRKAG2	cg16994041	rs9648724	A	G	-0.192	0.027	0.243	1.16E-12	0.014	0.019	0.480	0.013	50.530	TRUE	6.24E-12
COPD in never smokers	PRKAG2	cg17008978	rs10277544	C	T	0.168	0.024	0.449	8.36E-13	0.020	0.017	0.233	0.014	51.168	TRUE	8.11E-12
COPD in never smokers	PRKAG2	cg17192599	rs13224758	A	G	0.257	0.043	0.158	2.35E-09	0.016	0.023	0.477	0.010	35.643	TRUE	8.53E-09
COPD in never smokers	PRKAG2	cg17192599	rs58825093	T	C	0.223	0.028	0.226	9.42E-16	-0.001	0.020	0.968	0.017	64.514	TRUE	3.05E-15
COPD in never smokers	PRKAG2	cg17192599	rs9648724	A	G	-0.354	0.027	0.243	8.89E-40	0.014	0.019	0.480	0.045	174.119	TRUE	1.84E-37
COPD in never smokers	PRKAG2	cg17359198	rs12669420	T	C	0.380	0.058	0.082	7.83E-11	-0.022	0.031	0.482	0.011	42.278	TRUE	3.37E-10
COPD in never smokers	PRKAG2	cg17359198	rs58943536	T	C	-0.256	0.028	0.220	6.68E-20	0.006	0.020	0.758	0.022	83.362	TRUE	4.83E-19
COPD in never smokers	PRKAG2	cg17359198	rs7789699	C	T	-0.522	0.031	0.496	2.81E-63	0.040	0.016	0.015	0.071	281.807	TRUE	3.31E-57
COPD in never smokers	PRKAG2	cg17359198	rs9648724	A	G	0.175	0.027	0.243	1.10E-10	0.014	0.019	0.480	0.011	41.620	TRUE	4.65E-10
COPD in never smokers	PRKAG2	cg17611936	rs10235949	A	G	-0.906	0.079	0.047	2.76E-30	0.034	0.041	0.403	0.034	130.713	TRUE	1.82E-28
COPD in never smokers	PRKAG2	cg17611936	rs10265221	C	T	0.369	0.026	0.282	3.92E-46	-0.004	0.018	0.809	0.052	203.220	TRUE	7.49E-44
COPD in never smokers	PRKAG2	cg17611936	rs2256079	A	G	0.459	0.023	0.410	1.17E-86	0.005	0.017	0.783	0.095	389.094	TRUE	4.09E-81
COPD in never smokers	PRKAG2	cg17611936	rs2727550	G	A	-0.181	0.025	0.329	3.38E-13	0.026	0.018	0.135	0.014	52.946	TRUE	4.95E-12
COPD in never smokers	PRKAG2	cg17611936	rs2727562	G	A	-1.196	0.018	0.261	<1E-200	0.006	0.019	0.734	0.541	4353.828	TRUE	<1E-200
COPD in never smokers	PRKAG2	cg17611936	rs4725427	C	T	-0.720	0.104	0.026	5.06E-12	0.102	0.048	0.035	0.013	47.638	TRUE	1.22E-10
COPD in never smokers	PRKAG2	cg17611936	rs6960717	C	T	-0.304	0.041	0.172	1.60E-13	-0.036	0.022	0.108	0.014	54.417	TRUE	2.81E-12
COPD in never smokers	PRKAG2	cg17611936	rs6965771	T	C	0.202	0.027	0.260	4.40E-14	-0.026	0.019	0.170	0.015	56.950	TRUE	6.39E-13
COPD in never smokers	PRKAG2	cg17611936	rs7788160	G	T	0.250	0.032	0.379	5.11E-15	-0.022	0.017	0.207	0.016	61.186	TRUE	7.43E-14
COPD in never smokers	PRKAG2	cg17611936	rs7792110	C	T	-0.223	0.037	0.246	1.22E-09	-0.001	0.022	0.974	0.010	36.923	TRUE	2.30E-09
COPD in never smokers	PRKAG2	cg17611936	rs79215320	A	G	-0.366	0.038	0.240	1.95E-22	-0.009	0.020	0.634	0.025	94.899	TRUE	2.45E-21
COPD in never smokers	PRKAG2	cg17611936	rs9648723	C	A	-0.238	0.042	0.160	2.01E-08	0.001	0.024	0.982	0.008	31.468	TRUE	3.42E-08

COPD in never smokers	PRKAG2	cg18404559	rs73478069	C	A	0.333	0.034	0.142	1.37E-22	-0.013	0.024	0.595	0.025	95.593	TRUE	1.92E-21
COPD in never smokers	PRKAG2	cg18439339	rs7810022	C	A	0.237	0.025	0.300	5.62E-21	-0.004	0.018	0.807	0.023	88.255	TRUE	4.14E-20
COPD in never smokers	PRKAG2	cg18633230	rs35346765	T	C	-0.221	0.040	0.194	3.86E-08	-0.018	0.021	0.407	0.008	30.200	TRUE	1.35E-07
COPD in never smokers	PRKAG2	cg18649198	rs9632641	C	A	0.302	0.040	0.205	2.74E-14	-0.035	0.020	0.086	0.015	57.883	TRUE	6.26E-13
COPD in never smokers	PRKAG2	cg19412964	rs11771194	A	G	0.218	0.025	0.306	3.21E-18	-0.007	0.018	0.691	0.020	75.713	TRUE	2.20E-17
COPD in never smokers	PRKAG2	cg19412964	rs1860735	T	C	-0.248	0.038	0.110	4.00E-11	-0.005	0.026	0.841	0.012	43.591	TRUE	1.03E-10
COPD in never smokers	PRKAG2	cg19412964	rs372442299	A	C	-0.457	0.075	0.024	1.27E-09	0.026	0.050	0.601	0.010	36.840	TRUE	3.94E-09
COPD in never smokers	PRKAG2	cg19412964	rs4726070	G	A	-0.704	0.023	0.392	2.81E-209	-0.028	0.017	0.093	0.205	952.588	TRUE	1.46E-184
COPD in never smokers	PRKAG2	cg19412964	rs4726084	A	G	-0.292	0.029	0.205	5.32E-24	-0.023	0.021	0.265	0.027	102.029	TRUE	2.31E-22
COPD in never smokers	PRKAG2	cg19412964	rs6963512	G	A	-0.492	0.040	0.094	3.90E-35	-0.017	0.029	0.540	0.040	152.880	TRUE	3.35E-33
COPD in never smokers	PRKAG2	cg19412964	rs7456798	C	A	0.189	0.023	0.498	5.80E-16	-0.021	0.017	0.209	0.017	65.470	TRUE	9.64E-15
COPD in never smokers	PRKAG2	cg19412964	rs77001183	G	T	-0.575	0.095	0.014	1.20E-09	-0.010	0.056	0.864	0.010	36.950	TRUE	2.61E-09
COPD in never smokers	PRKAG2	cg19412964	rs9801653	A	C	0.364	0.034	0.145	1.69E-26	-0.012	0.024	0.614	0.030	113.420	TRUE	3.68E-25
COPD in never smokers	PRKAG2	cg20269607	rs7789699	C	T	-0.182	0.032	0.496	8.79E-09	0.040	0.016	0.015	0.009	33.075	TRUE	1.48E-07
COPD in never smokers	PRKAG2	cg20972917	rs74882587	T	C	0.193	0.034	0.148	1.17E-08	-0.018	0.024	0.447	0.009	32.518	TRUE	4.10E-08
COPD in never smokers	PRKAG2	cg21764708	rs11766272	A	G	-0.336	0.059	0.113	1.20E-08	-0.005	0.026	0.838	0.009	32.471	TRUE	2.47E-08
COPD in never smokers	PRKAG2	cg21764708	rs4442045	T	C	0.493	0.030	0.187	4.94E-61	0.015	0.021	0.490	0.068	271.510	TRUE	3.52E-57
COPD in never smokers	PRKAG2	cg22513396	rs2536091	A	C	-0.188	0.023	0.408	7.34E-16	0.005	0.017	0.774	0.017	65.005	TRUE	3.34E-15
COPD in never smokers	PRKAG2	cg22615330	rs118118867	T	C	0.281	0.028	0.219	8.32E-24	0.009	0.020	0.642	0.027	101.143	TRUE	1.21E-22
COPD in never smokers	PRKAG2	cg22615330	rs9648724	A	G	-0.387	0.027	0.243	1.24E-47	0.014	0.019	0.480	0.054	210.084	TRUE	8.94E-45
COPD in never smokers	PRKAG2	cg23151649	rs10278273	C	T	-0.263	0.037	0.114	1.73E-12	0.012	0.026	0.655	0.013	49.737	TRUE	6.75E-12
COPD in never smokers	PRKAG2	cg23151649	rs12669379	C	T	0.492	0.067	0.065	1.47E-13	-0.030	0.036	0.399	0.015	54.582	TRUE	1.04E-12
COPD in never smokers	PRKAG2	cg23151649	rs2727552	C	T	0.977	0.023	0.465	<1E-200	-0.013	0.017	0.453	0.321	1749.754	TRUE	<1E-200
COPD in never smokers	PRKAG2	cg23151649	rs6978479	A	G	-0.503	0.091	0.033	3.39E-08	-0.001	0.045	0.974	0.008	30.455	TRUE	5.71E-08
COPD in never smokers	PRKAG2	cg23351327	rs76351165	A	C	-0.427	0.068	0.052	2.81E-10	-0.071	0.035	0.044	0.011	39.781	TRUE	4.34E-09
COPD in never smokers	PRKAG2	cg26284782	rs10260657	A	G	-0.147	0.025	0.319	4.79E-09	0.014	0.018	0.444	0.009	34.254	TRUE	1.77E-08
COPD in never smokers	PRKAG2	cg26284782	rs4726101	G	A	-0.294	0.023	0.497	7.02E-37	-0.005	0.017	0.783	0.042	160.861	TRUE	3.85E-35
COPD in never smokers	PRKAG2	cg26482626	rs2374307	T	G	0.159	0.024	0.466	1.34E-11	0.034	0.017	0.040	0.012	45.724	TRUE	2.79E-10
COPD in never smokers	PRKAG2	cg26673980	rs4442045	T	C	0.552	0.030	0.187	5.44E-77	0.015	0.021	0.490	0.085	344.721	TRUE	8.89E-72
COPD in never smokers	PRKCA	cg01160079	rs77210355	A	G	0.359	0.050	0.057	1.01E-12	-0.027	0.036	0.458	0.014	50.805	TRUE	5.69E-12
COPD in never smokers	PRKCA	cg01895374	rs57007285	A	C	-0.239	0.043	0.077	3.07E-08	-0.019	0.031	0.535	0.008	30.646	TRUE	8.96E-08
COPD in never smokers	PRKCA	cg01895374	rs7220127	C	T	-0.196	0.024	0.420	1.62E-16	0.013	0.017	0.424	0.018	67.980	TRUE	1.58E-15
COPD in never smokers	PRKCA	cg01895374	rs72846612	C	T	-0.293	0.051	0.056	7.12E-09	0.018	0.034	0.600	0.009	33.483	TRUE	2.04E-08
COPD in never smokers	PRKCA	cg01895374	rs80075063	T	C	-0.882	0.054	0.047	5.26E-59	0.009	0.037	0.804	0.066	262.212	TRUE	8.09E-56
COPD in never smokers	PRKCA	cg01895374	rs9902819	G	A	-0.326	0.052	0.058	4.65E-10	-0.028	0.035	0.413	0.010	38.797	TRUE	2.06E-09
COPD in never smokers	PRKCA	cg02110273	rs28733563	A	G	0.243	0.027	0.258	6.20E-19	-0.031	0.020	0.119	0.021	78.962	TRUE	2.46E-17
COPD in never smokers	PRKCA	cg02110273	rs7220911	A	G	0.338	0.023	0.441	1.08E-47	-0.002	0.017	0.893	0.054	210.361	TRUE	2.03E-45
COPD in never smokers	PRKCA	cg04124740	rs79848307	T	C	0.740	0.049	0.057	1.66E-51	0.017	0.034	0.615	0.058	227.831	TRUE	1.39E-48
COPD in never smokers	PRKCA	cg04124740	rs8075066	A	G	-0.177	0.026	0.281	5.05E-12	-0.008	0.018	0.669	0.013	47.640	TRUE	1.83E-11
COPD in never smokers	PRKCA	cg04658038	rs9635753	T	G	-0.132	0.024	0.479	2.32E-08	0.000	0.016	0.999	0.008	31.189	TRUE	3.85E-08
COPD in never smokers	PRKCA	cg04733951	rs11656279	C	T	0.402	0.053	0.050	2.51E-14	-0.007	0.038	0.843	0.015	58.054	TRUE	8.72E-14
COPD in never smokers	PRKCA	cg04733951	rs72845904	T	C	-0.334	0.043	0.079	8.24E-15	0.009	0.030	0.771	0.016	60.244	TRUE	3.39E-14

COPD in never smokers	PRKCA	cg04955246	rs9635753	T	G	-0.140	0.023	0.479	1.93E-09	0.000	0.016	0.999	0.010	36.022	TRUE	3.48E-09
COPD in never smokers	PRKCA	cg06940168	rs11651796	A	G	-1.184	0.031	0.124	<1E-200	0.002	0.026	0.945	0.285	1473.092	TRUE	7.85E-279
COPD in never smokers	PRKCA	cg06940168	rs148334661	T	G	-1.048	0.172	0.010	1.15E-09	-0.050	0.074	0.498	0.010	37.039	TRUE	4.18E-09
COPD in never smokers	PRKCA	cg06940168	rs4365321	C	T	-0.345	0.033	0.138	4.74E-25	-0.015	0.024	0.528	0.028	106.818	TRUE	1.07E-23
COPD in never smokers	PRKCA	cg06940168	rs4790911	T	C	0.573	0.043	0.078	6.04E-40	-0.024	0.029	0.396	0.045	174.889	TRUE	1.74E-37
COPD in never smokers	PRKCA	cg06940168	rs4791140	T	C	-0.191	0.035	0.129	3.06E-08	0.052	0.024	0.034	0.008	30.655	TRUE	3.46E-07
COPD in never smokers	PRKCA	cg06940168	rs67454054	T	C	-0.159	0.027	0.259	2.16E-09	-0.044	0.019	0.024	0.010	35.804	TRUE	3.51E-08
COPD in never smokers	PRKCA	cg06940168	rs7212476	A	G	-0.666	0.078	0.021	1.82E-17	0.068	0.065	0.292	0.019	72.288	TRUE	2.86E-16
COPD in never smokers	PRKCA	cg06940168	rs7222499	C	T	0.235	0.032	0.160	1.18E-13	-0.003	0.023	0.909	0.015	55.015	TRUE	3.46E-13
COPD in never smokers	PRKCA	cg06940168	rs9891416	C	A	-0.200	0.025	0.335	3.91E-16	0.015	0.018	0.390	0.018	66.244	TRUE	3.94E-15
COPD in never smokers	PRKCA	cg11758458	rs17686174	A	G	0.153	0.028	0.230	4.01E-08	0.004	0.020	0.827	0.008	30.128	TRUE	7.98E-08
COPD in never smokers	PRKCA	cg11803392	rs9910301	C	A	0.168	0.024	0.364	2.47E-12	-0.014	0.017	0.428	0.013	49.045	TRUE	1.41E-11
COPD in never smokers	PRKCA	cg12124094	rs34251715	G	A	0.144	0.025	0.313	8.64E-09	0.000	0.018	0.983	0.009	33.107	TRUE	1.51E-08
COPD in never smokers	PRKCA	cg12124094	rs3859214	T	G	-0.148	0.024	0.409	4.34E-10	0.022	0.017	0.195	0.010	38.932	TRUE	3.13E-09
COPD in never smokers	PRKCA	cg12124094	rs7212887	A	G	0.194	0.034	0.143	7.40E-09	0.023	0.024	0.327	0.009	33.408	TRUE	3.27E-08
COPD in never smokers	PRKCA	cg12124094	rs7222613	A	G	0.327	0.042	0.090	3.88E-15	-0.007	0.031	0.806	0.016	61.727	TRUE	1.55E-14
COPD in never smokers	PRKCA	cg12124094	rs73333222	A	G	0.225	0.034	0.137	4.90E-11	0.025	0.026	0.337	0.012	43.192	TRUE	2.86E-10
COPD in never smokers	PRKCA	cg12124094	rs78826186	C	T	0.452	0.050	0.064	8.73E-20	-0.019	0.034	0.581	0.022	82.833	TRUE	8.97E-19
COPD in never smokers	PRKCA	cg12124094	rs80163898	T	G	1.435	0.061	0.043	2.85E-124	0.005	0.046	0.913	0.132	561.853	TRUE	5.08E-115
COPD in never smokers	PRKCA	cg12124094	rs8075066	A	G	0.257	0.026	0.281	1.97E-23	-0.008	0.018	0.669	0.026	99.435	TRUE	2.58E-22
COPD in never smokers	PRKCA	cg12198934	rs12051710	T	C	-0.476	0.034	0.128	2.93E-43	0.009	0.025	0.733	0.049	190.061	TRUE	4.58E-41
COPD in never smokers	PRKCA	cg12198934	rs148334661	T	G	-1.013	0.172	0.010	4.11E-09	-0.050	0.074	0.498	0.009	34.551	TRUE	1.40E-08
COPD in never smokers	PRKCA	cg12467435	rs28617608	A	C	-0.144	0.024	0.408	1.61E-09	0.032	0.017	0.057	0.010	36.374	TRUE	1.93E-08
COPD in never smokers	PRKCA	cg12467435	rs9635753	T	G	-0.199	0.024	0.479	2.25E-17	0.000	0.016	0.999	0.019	71.869	TRUE	8.05E-17
COPD in never smokers	PRKCA	cg12743970	rs1005651	C	A	0.178	0.025	0.335	4.83E-13	-0.043	0.018	0.014	0.014	52.244	TRUE	2.07E-11
COPD in never smokers	PRKCA	cg12743970	rs144509105	A	G	-0.723	0.122	0.019	3.55E-09	0.067	0.065	0.300	0.009	34.836	TRUE	1.73E-08
COPD in never smokers	PRKCA	cg12743970	rs2361486	T	C	-0.586	0.031	0.158	2.87E-81	-0.008	0.023	0.725	0.090	364.355	TRUE	4.06E-76
COPD in never smokers	PRKCA	cg12743970	rs72848633	T	C	-0.142	0.026	0.296	2.93E-08	0.006	0.018	0.753	0.008	30.738	TRUE	6.46E-08
COPD in never smokers	PRKCA	cg12743970	rs9972974	T	C	-0.351	0.055	0.046	1.25E-10	0.046	0.038	0.227	0.011	41.358	TRUE	8.98E-10
COPD in never smokers	PRKCA	cg14121185	rs10491204	C	T	-0.277	0.031	0.166	1.18E-18	-0.047	0.023	0.039	0.021	77.682	TRUE	9.19E-17
COPD in never smokers	PRKCA	cg14121185	rs11656279	C	T	-0.462	0.054	0.050	7.13E-18	-0.007	0.038	0.843	0.020	74.140	TRUE	3.53E-17
COPD in never smokers	PRKCA	cg14121185	rs4791058	A	C	-0.457	0.024	0.359	8.71E-82	-0.044	0.017	0.011	0.090	366.734	TRUE	1.15E-73
COPD in never smokers	PRKCA	cg14121185	rs72848633	T	C	0.159	0.026	0.296	7.06E-10	0.006	0.018	0.753	0.010	37.983	TRUE	1.82E-09
COPD in never smokers	PRKCA	cg14121185	rs75193114	T	C	0.434	0.077	0.020	1.81E-08	0.020	0.052	0.697	0.008	31.677	TRUE	4.36E-08
COPD in never smokers	PRKCA	cg14121185	rs79525201	G	A	0.725	0.031	0.149	1.59E-117	0.010	0.023	0.675	0.126	530.863	TRUE	1.50E-108
COPD in never smokers	PRKCA	cg14121185	rs973753	C	T	0.233	0.032	0.157	6.74E-13	-0.004	0.022	0.865	0.014	51.592	TRUE	1.97E-12
COPD in never smokers	PRKCA	cg14121185	rs9895770	T	G	-0.186	0.027	0.236	1.22E-11	0.026	0.019	0.180	0.012	45.912	TRUE	1.18E-10
COPD in never smokers	PRKCA	cg14648237	rs740930	T	C	0.825	0.042	0.080	8.81E-85	-0.023	0.029	0.427	0.093	380.484	TRUE	1.06E-78
COPD in never smokers	PRKCA	cg15519474	rs1113843	C	T	-0.149	0.023	0.452	1.97E-10	-0.011	0.017	0.507	0.011	40.475	TRUE	7.75E-10
COPD in never smokers	PRKCA	cg15519474	rs12450534	A	G	0.276	0.027	0.243	3.37E-24	0.029	0.019	0.133	0.027	102.935	TRUE	2.85E-22
COPD in never smokers	PRKCA	cg15519474	rs142395143	T	C	-0.207	0.029	0.219	5.04E-13	0.024	0.021	0.249	0.014	52.161	TRUE	4.81E-12
COPD in never smokers	PRKCA	cg15519474	rs185019895	A	G	0.416	0.061	0.044	8.84E-12	0.006	0.042	0.888	0.012	46.545	TRUE	2.26E-11

COPD in never smokers	PRKCA	cg15519474	rs35814799	A	G	0.429	0.026	0.245	5.00E-59	0.027	0.019	0.151	0.066	262.313	TRUE	1.74E-54
COPD in never smokers	PRKCA	cg15519474	rs35974774	G	T	0.357	0.054	0.048	4.99E-11	-0.010	0.038	0.781	0.012	43.157	TRUE	1.39E-10
COPD in never smokers	PRKCA	cg15519474	rs6504406	C	T	0.228	0.027	0.228	6.28E-17	0.021	0.019	0.270	0.019	69.848	TRUE	9.79E-16
COPD in never smokers	PRKCA	cg15519474	rs8178823	C	A	0.219	0.040	0.094	3.40E-08	0.041	0.029	0.151	0.008	30.447	TRUE	2.07E-07
COPD in never smokers	PRKCA	cg17069533	rs9635753	T	G	-0.138	0.024	0.479	4.89E-09	0.000	0.016	0.999	0.009	34.213	TRUE	8.55E-09
COPD in never smokers	PRKCA	cg17202839	rs72848633	T	C	0.240	0.026	0.296	4.32E-21	0.006	0.018	0.753	0.023	88.775	TRUE	3.60E-20
COPD in never smokers	PRKCA	cg17202839	rs77748014	A	G	-0.352	0.064	0.063	4.50E-08	-0.020	0.034	0.548	0.008	29.903	TRUE	1.27E-07
COPD in never smokers	PRKCA	cg17799599	rs16960228	A	G	-1.003	0.053	0.050	8.35E-80	-0.018	0.037	0.634	0.088	357.640	TRUE	1.28E-74
COPD in never smokers	PRKCA	cg17799599	rs67379314	A	G	-0.203	0.030	0.184	2.04E-11	-0.018	0.021	0.392	0.012	44.903	TRUE	1.12E-10
COPD in never smokers	PRKCA	cg17846122	rs2138004	A	G	0.245	0.032	0.150	2.95E-14	0.015	0.023	0.514	0.015	57.734	TRUE	1.81E-13
COPD in never smokers	PRKCA	cg17846122	rs8066294	C	T	-0.197	0.028	0.218	1.55E-12	0.038	0.020	0.056	0.013	49.952	TRUE	3.28E-11
COPD in never smokers	PRKCA	cg18950779	rs1010545	C	T	0.661	0.023	0.364	4.03E-177	-0.002	0.017	0.891	0.179	804.750	TRUE	9.11E-161
COPD in never smokers	PRKCA	cg18950779	rs117353888	G	A	0.365	0.049	0.056	1.45E-13	0.064	0.032	0.047	0.015	54.608	TRUE	4.04E-12
COPD in never smokers	PRKCA	cg18950779	rs146981159	A	G	0.450	0.046	0.072	6.98E-23	0.004	0.032	0.903	0.026	96.935	TRUE	5.21E-22
COPD in never smokers	PRKCA	cg18950779	rs3896085	T	C	-0.167	0.026	0.281	1.91E-10	0.020	0.018	0.258	0.011	40.538	TRUE	1.23E-09
COPD in never smokers	PRKCA	cg18950779	rs62071757	G	A	0.317	0.041	0.089	6.88E-15	-0.018	0.030	0.560	0.016	60.601	TRUE	4.14E-14
COPD in never smokers	PRKCA	cg18950779	rs67379314	A	G	0.290	0.030	0.184	1.13E-21	-0.018	0.021	0.392	0.024	91.434	TRUE	2.34E-20
COPD in never smokers	PRKCA	cg18950779	rs73996407	T	C	0.300	0.054	0.051	2.45E-08	-0.007	0.038	0.855	0.008	31.082	TRUE	4.81E-08
COPD in never smokers	PRKCA	cg18950779	rs960611	T	C	-0.342	0.023	0.499	1.91E-49	0.024	0.017	0.142	0.056	218.392	TRUE	1.14E-45
COPD in never smokers	PRKCA	cg18950779	rs9892651	C	T	0.180	0.024	0.423	5.49E-14	-0.015	0.017	0.365	0.015	56.517	TRUE	4.44E-13
COPD in never smokers	PRKCA	cg18950779	rs9899742	T	C	0.166	0.023	0.497	1.39E-12	0.015	0.016	0.354	0.013	50.177	TRUE	9.56E-12
COPD in never smokers	PRKCA	cg20152382	rs35105653	A	G	0.180	0.024	0.398	4.71E-14	-0.012	0.017	0.494	0.015	56.818	TRUE	2.91E-13
COPD in never smokers	PRKCA	cg22632947	rs67379314	A	G	0.190	0.030	0.184	4.25E-10	-0.018	0.021	0.392	0.010	38.973	TRUE	1.96E-09
COPD in never smokers	PRKCA	cg22632947	rs8074995	A	G	-0.205	0.034	0.139	1.04E-09	0.028	0.023	0.210	0.010	37.221	TRUE	6.81E-09
COPD in never smokers	PRKCA	cg22632947	rs9915231	G	A	1.167	0.052	0.051	1.68E-109	-0.018	0.037	0.621	0.118	494.005	TRUE	2.61E-101
COPD in never smokers	PRKCA	cg24171047	rs76819749	C	A	-0.754	0.061	0.037	1.62E-35	0.015	0.044	0.737	0.040	154.633	TRUE	8.34E-34
COPD in never smokers	PRKCA	cg25134567	rs35499077	C	T	-0.167	0.024	0.384	3.82E-12	0.011	0.017	0.515	0.013	48.186	TRUE	1.82E-11
COPD in never smokers	PRKCA	cg25134567	rs8072195	T	C	-0.225	0.040	0.092	2.59E-08	-0.001	0.030	0.974	0.008	30.979	TRUE	4.40E-08
COPD in never smokers	PRKCA	cg25228562	rs28733563	A	G	-0.159	0.027	0.258	4.28E-09	-0.031	0.020	0.119	0.009	34.475	TRUE	3.40E-08
COPD in never smokers	PRKCA	cg25228562	rs3803822	C	T	-0.222	0.023	0.395	3.12E-21	0.004	0.017	0.811	0.024	89.416	TRUE	2.35E-20
COPD in never smokers	PRKCA	cg25649039	rs4556826	G	A	0.132	0.024	0.338	4.73E-08	0.013	0.017	0.443	0.008	29.810	TRUE	1.54E-07
COPD in never smokers	PRKCA	cg25909396	rs11658025	G	A	0.425	0.027	0.243	3.70E-57	0.031	0.019	0.107	0.064	253.744	TRUE	1.40E-52
COPD in never smokers	PRKCA	cg25909396	rs116873022	G	A	0.453	0.059	0.045	1.88E-14	0.017	0.041	0.676	0.016	58.623	TRUE	8.74E-14
COPD in never smokers	PRKCA	cg25909396	rs142395143	T	C	-0.167	0.029	0.219	6.83E-09	0.024	0.021	0.249	0.009	33.563	TRUE	3.58E-08
COPD in never smokers	PRKCA	cg25909396	rs4791049	T	C	0.260	0.043	0.079	1.24E-09	0.010	0.030	0.746	0.010	36.879	TRUE	3.16E-09
COPD in never smokers	PRKCA	cg25909396	rs62072561	A	G	-0.202	0.028	0.237	2.52E-13	-0.029	0.019	0.130	0.014	53.523	TRUE	3.84E-12
COPD in never smokers	PRKCA	cg25909396	rs7216080	G	A	-0.132	0.023	0.456	1.90E-08	-0.033	0.017	0.060	0.008	31.572	TRUE	1.81E-07
COPD in never smokers	PRKCA	cg26389955	rs75943832	C	T	-0.508	0.045	0.072	1.37E-29	0.003	0.032	0.933	0.033	127.540	TRUE	2.04E-28
COPD in never smokers	PRKCA	cg26450228	rs13341435	A	G	0.486	0.053	0.048	2.29E-20	0.008	0.038	0.841	0.023	85.478	TRUE	1.48E-19
COPD in never smokers	PRKCA	cg26450228	rs16959062	G	A	0.203	0.031	0.162	9.16E-11	-0.003	0.023	0.909	0.011	41.969	TRUE	2.08E-10
COPD in never smokers	PRKCA	cg26450228	rs16959526	A	G	0.368	0.032	0.148	4.00E-30	0.013	0.023	0.576	0.034	129.976	TRUE	1.55E-28
COPD in never smokers	PRKCA	cg26450228	rs17634425	G	A	0.329	0.044	0.075	7.71E-14	-0.036	0.031	0.243	0.015	55.847	TRUE	8.41E-13

COPD in never smokers	PRKCA	cg26450228	rs1833349	A	G	0.135	0.023	0.433	1.01E-08	-0.007	0.017	0.656	0.009	32.803	TRUE	2.64E-08
COPD in never smokers	PRKCA	cg26450228	rs7210846	A	G	0.147	0.024	0.480	4.87E-10	-0.001	0.016	0.967	0.010	38.708	TRUE	9.60E-10
COPD in never smokers	PRKCA	cg26450228	rs7220836	C	T	0.167	0.028	0.234	1.41E-09	-0.016	0.019	0.404	0.010	36.633	TRUE	5.96E-09
COPD in never smokers	PRKCA	cg26450228	rs8066294	C	T	-0.260	0.028	0.218	1.42E-20	0.038	0.020	0.056	0.023	86.416	TRUE	1.25E-18
COPD in never smokers	PRKCA	cg26450228	rs9896134	C	T	-0.235	0.027	0.260	3.07E-18	0.027	0.019	0.152	0.020	75.806	TRUE	9.12E-17
COPD in never smokers	PRKCA	cg26726141	rs117790450	T	C	0.462	0.057	0.038	9.87E-16	0.005	0.040	0.898	0.017	64.422	TRUE	3.58E-15
COPD in never smokers	PRKCA	cg26726141	rs16959062	G	A	0.182	0.031	0.162	5.91E-09	-0.003	0.023	0.909	0.009	33.846	TRUE	1.15E-08
COPD in never smokers	PRKCA	cg26726141	rs17686425	A	G	-0.261	0.026	0.273	2.82E-23	-0.029	0.019	0.130	0.026	98.730	TRUE	2.10E-21
COPD in never smokers	PRKCA	cg26726141	rs17688050	G	A	0.229	0.028	0.213	5.03E-16	0.013	0.020	0.518	0.017	65.750	TRUE	3.76E-15
COPD in never smokers	PRKCA	cg26726141	rs7215107	G	A	-0.134	0.024	0.476	1.43E-08	0.011	0.017	0.507	0.009	32.135	TRUE	4.50E-08
COPD in never smokers	PRKCA	cg26726141	rs8066294	C	T	-0.229	0.028	0.218	2.49E-16	0.038	0.020	0.056	0.018	67.132	TRUE	1.04E-14
COPD in never smokers	PRKCA	cg26726141	rs956952	A	C	0.391	0.032	0.150	4.92E-34	0.014	0.023	0.527	0.038	147.847	TRUE	3.75E-32
COPD in never smokers	PRKCA	cg26726141	rs973753	C	T	0.227	0.032	0.157	2.29E-12	-0.004	0.022	0.865	0.013	49.188	TRUE	6.39E-12
COPD in never smokers	PRKCA	cg27019712	rs10491204	C	T	0.186	0.031	0.166	3.33E-09	-0.047	0.023	0.039	0.009	34.962	TRUE	4.35E-08
COPD in never smokers	PRKCA	cg27019712	rs2227857	A	G	-0.207	0.024	0.363	1.73E-17	-0.002	0.017	0.911	0.019	72.396	TRUE	7.27E-17
COPD in never smokers	PRKCA	cg27019712	rs34251715	G	A	0.181	0.025	0.313	2.87E-13	0.000	0.018	0.983	0.014	53.265	TRUE	7.27E-13
COPD in never smokers	PRKCA	cg27019712	rs57007285	A	C	-0.317	0.043	0.077	1.86E-13	-0.019	0.031	0.535	0.014	54.119	TRUE	9.93E-13
COPD in never smokers	PRKCA	cg27019712	rs7210247	T	C	-0.302	0.043	0.082	1.43E-12	0.003	0.034	0.923	0.013	50.120	TRUE	3.71E-12
COPD in never smokers	PRKCA	cg27019712	rs73996407	T	C	-0.538	0.053	0.051	5.71E-24	-0.007	0.038	0.855	0.027	101.890	TRUE	5.31E-23
COPD in never smokers	PRKCA	cg27019712	rs9895850	T	C	-0.378	0.055	0.047	7.71E-12	0.009	0.037	0.802	0.012	46.812	TRUE	2.25E-11
COPD in never smokers	PRKCA	cg27019712	rs9896134	C	T	-0.800	0.024	0.260	2.07E-251	0.027	0.019	0.152	0.237	1146.327	TRUE	2.00E-219
COPD in never smokers	PRKCD	cg03200095	rs13319192	T	G	0.359	0.054	0.046	2.69E-11	0.048	0.039	0.218	0.012	44.369	TRUE	2.18E-10
COPD in never smokers	PRKCD	cg03200095	rs2306570	T	C	-0.438	0.030	0.174	1.39E-49	0.002	0.021	0.936	0.056	219.023	TRUE	3.05E-47
COPD in never smokers	PRKCD	cg03200095	rs62253610	G	A	-0.299	0.051	0.052	5.23E-09	-0.021	0.034	0.547	0.009	34.083	TRUE	1.64E-08
COPD in never smokers	PRKCD	cg03200095	rs7634447	A	C	0.150	0.026	0.262	1.10E-08	0.022	0.019	0.254	0.009	32.631	TRUE	5.54E-08
COPD in never smokers	PRKCD	cg04981430	rs12630183	C	A	0.266	0.030	0.183	5.91E-19	-0.020	0.021	0.360	0.021	79.054	TRUE	9.34E-18
COPD in never smokers	PRKCD	cg04981430	rs13319192	T	G	0.576	0.054	0.046	2.93E-26	0.048	0.039	0.218	0.029	112.333	TRUE	2.17E-24
COPD in never smokers	PRKCD	cg04981430	rs145226981	T	G	-0.182	0.026	0.302	2.77E-12	-0.038	0.018	0.034	0.013	48.822	TRUE	7.01E-11
COPD in never smokers	PRKCD	cg04981430	rs2306570	T	C	0.548	0.030	0.174	9.93E-76	0.002	0.021	0.936	0.084	338.935	TRUE	2.02E-71
COPD in never smokers	PRKCD	cg04981430	rs71297397	C	T	0.435	0.057	0.053	3.23E-14	-0.070	0.038	0.063	0.015	57.559	TRUE	8.71E-13
COPD in never smokers	PRKCD	cg04981430	rs75135222	C	T	0.315	0.052	0.049	1.10E-09	-0.048	0.039	0.218	0.010	37.122	TRUE	7.00E-09
COPD in never smokers	PRKCD	cg04981430	rs7614981	C	A	0.170	0.024	0.472	1.02E-12	-0.004	0.017	0.814	0.014	50.773	TRUE	3.18E-12
COPD in never smokers	PRKCD	cg08176244	rs12494824	T	C	-0.216	0.025	0.359	1.24E-18	-0.028	0.017	0.107	0.021	77.588	TRUE	5.06E-17
COPD in never smokers	PRKCD	cg08176244	rs62254274	G	A	-0.187	0.034	0.133	4.47E-08	0.000	0.024	0.987	0.008	29.918	TRUE	7.35E-08
COPD in never smokers	PRKCD	cg08176244	rs7630325	A	G	0.226	0.034	0.144	1.74E-11	0.060	0.023	0.008	0.012	45.221	TRUE	6.54E-10
COPD in never smokers	PRKCD	cg13469346	rs13319192	T	G	0.400	0.054	0.046	1.14E-13	0.048	0.039	0.218	0.015	55.073	TRUE	1.32E-12
COPD in never smokers	PRKCD	cg23168971	rs13319192	T	G	-0.407	0.054	0.046	3.95E-14	0.048	0.039	0.218	0.015	57.163	TRUE	4.86E-13
COPD in never smokers	PROM2	cg09301143	rs2278067	G	T	-0.235	0.023	0.484	1.76E-24	0.045	0.016	0.006	0.027	104.222	TRUE	1.20E-21
COPD in never smokers	PROM2	cg20775254	rs7563891	C	T	-0.182	0.024	0.356	4.22E-14	0.022	0.017	0.206	0.015	57.033	TRUE	5.39E-13
COPD in never smokers	PRRT1	cg00403498	rs180713844	A	G	-0.281	0.038	0.324	1.78E-13	-0.054	0.018	0.003	0.014	54.207	TRUE	1.51E-11
COPD in never smokers	PRRT1	cg00403498	rs3130283	A	C	-0.449	0.031	0.161	3.30E-46	-0.029	0.023	0.214	0.052	203.564	TRUE	6.47E-43
COPD in never smokers	PRRT1	cg00403498	rs3131627	A	G	-0.140	0.024	0.404	5.10E-09	-0.004	0.017	0.827	0.009	34.134	TRUE	1.10E-08

COPD in never smokers	PRRT1	cg00403498	rs3819306	G	A	0.133	0.024	0.382	2.74E-08	-0.032	0.017	0.062	0.008	30.870	TRUE	2.48E-07
COPD in never smokers	PRRT1	cg00403498	rs707928	G	A	0.143	0.025	0.340	1.66E-08	0.070	0.017	4.73E-05	0.009	31.842	TRUE	1.08E-06
COPD in never smokers	PRRT1	cg00403498	rs71536546	T	C	-0.246	0.036	0.474	8.13E-12	0.040	0.020	0.046	0.012	46.709	TRUE	1.65E-10
COPD in never smokers	PRRT1	cg00403498	rs76819034	C	T	0.146	0.025	0.429	1.07E-08	-0.004	0.018	0.840	0.009	32.693	TRUE	2.21E-08
COPD in never smokers	PRRT1	cg00403498	rs9263773	T	C	-0.132	0.024	0.365	4.47E-08	-0.024	0.017	0.151	0.008	29.920	TRUE	2.67E-07
COPD in never smokers	PRRT1	cg00403498	rs9264626	T	C	-0.165	0.025	0.364	2.25E-11	0.086	0.017	5.73E-07	0.012	44.712	TRUE	9.20E-09
COPD in never smokers	PRRT1	cg00403498	rs9267857	G	A	0.149	0.024	0.417	2.44E-10	-0.003	0.017	0.848	0.011	40.053	TRUE	5.79E-10
COPD in never smokers	PRRT1	cg00403498	rs9501404	A	G	-0.251	0.033	0.163	1.39E-14	-0.124	0.027	3.05E-06	0.016	59.211	TRUE	1.14E-11
COPD in never smokers	PRRT1	cg17161421	rs9267817	A	G	-0.214	0.029	0.212	1.45E-13	0.034	0.020	0.088	0.015	54.612	TRUE	2.90E-12
COPD in never smokers	PRRT1	cg17161421	rs9267860	A	G	0.171	0.031	0.184	3.84E-08	-0.021	0.022	0.344	0.008	30.211	TRUE	1.49E-07
COPD in never smokers	PRRT1	cg20914572	rs114258010	G	A	0.297	0.051	0.082	5.38E-09	-0.091	0.033	0.005	0.009	34.027	TRUE	1.33E-07
COPD in never smokers	PRRT1	cg20914572	rs1265945	G	A	-0.306	0.024	0.373	6.94E-37	0.052	0.017	0.002	0.042	160.886	TRUE	1.05E-32
COPD in never smokers	PRRT1	cg20914572	rs1269839	T	G	0.280	0.050	0.055	2.14E-08	0.003	0.036	0.929	0.008	31.348	TRUE	3.86E-08
COPD in never smokers	PRRT1	cg20914572	rs146305655	A	G	0.427	0.067	0.038	1.48E-10	-0.075	0.047	0.111	0.011	41.038	TRUE	1.56E-09
COPD in never smokers	PRRT1	cg20914572	rs3134605	C	T	-0.159	0.028	0.223	1.61E-08	0.079	0.020	4.99E-05	0.009	31.903	TRUE	1.04E-06
COPD in never smokers	PRRT1	cg20914572	rs522254	G	A	0.184	0.029	0.207	1.13E-10	-0.008	0.020	0.671	0.011	41.567	TRUE	3.53E-10
COPD in never smokers	PRRT1	cg20914572	rs9270118	C	T	-0.163	0.025	0.344	3.74E-11	-0.044	0.020	0.027	0.012	43.720	TRUE	8.47E-10
COPD in never smokers	PRRT1	cg20914572	rs9270355	A	G	-0.223	0.024	0.411	7.58E-21	-0.010	0.020	0.620	0.023	87.662	TRUE	8.11E-20
COPD in never smokers	PRRT1	cg20914572	rs9501404	A	G	-0.196	0.033	0.163	2.22E-09	-0.124	0.027	3.05E-06	0.010	35.755	TRUE	3.28E-07
COPD in never smokers	PTGIS	cg05932408	rs1875563	T	C	0.131	0.023	0.456	1.57E-08	0.040	0.017	0.016	0.009	31.944	TRUE	2.46E-07
COPD in never smokers	PTGIS	cg06357305	rs56382860	C	T	-0.282	0.047	0.071	1.29E-09	0.039	0.032	0.225	0.010	36.816	TRUE	7.94E-09
COPD in never smokers	PTGIS	cg07612655	rs117394715	G	A	-0.640	0.110	0.013	6.54E-09	0.072	0.059	0.223	0.009	33.650	TRUE	3.65E-08
COPD in never smokers	PTGIS	cg07612655	rs536805	G	T	0.168	0.029	0.191	1.12E-08	0.026	0.020	0.201	0.009	32.598	TRUE	6.41E-08
COPD in never smokers	PTGIS	cg07612655	rs56382860	C	T	-0.889	0.046	0.071	4.07E-84	0.039	0.032	0.225	0.093	377.433	TRUE	1.55E-77
COPD in never smokers	PTGIS	cg08440266	rs1875563	T	C	-0.162	0.024	0.456	6.44E-12	0.040	0.017	0.016	0.013	47.165	TRUE	2.11E-10
COPD in never smokers	PTGIS	cg08440266	rs6019908	T	G	-0.963	0.045	0.075	1.56E-102	0.039	0.032	0.218	0.111	461.995	TRUE	5.47E-94
COPD in never smokers	PTGIS	cg08440266	rs73613304	G	A	-0.256	0.041	0.084	6.43E-10	0.013	0.029	0.653	0.010	38.165	TRUE	1.91E-09
COPD in never smokers	PTGIS	cg08788055	rs1875563	T	C	-0.155	0.024	0.456	3.84E-11	0.040	0.017	0.016	0.012	43.669	TRUE	1.07E-09
COPD in never smokers	PTGIS	cg08788055	rs56382860	C	T	-0.707	0.046	0.071	9.88E-53	0.039	0.032	0.225	0.059	233.453	TRUE	5.84E-49
COPD in never smokers	PTGIS	cg10772290	rs5580	C	A	0.184	0.024	0.384	1.60E-14	0.018	0.017	0.292	0.016	58.943	TRUE	1.67E-13
COPD in never smokers	PTGIS	cg11746287	rs493694	T	C	0.216	0.023	0.473	1.50E-20	0.046	0.017	0.005	0.023	86.319	TRUE	4.69E-18
COPD in never smokers	PTGIS	cg14630601	rs1875563	T	C	-0.148	0.023	0.456	2.52E-10	0.040	0.017	0.016	0.011	39.997	TRUE	5.88E-09
COPD in never smokers	PTGIS	cg14630601	rs56382860	C	T	-0.760	0.046	0.071	2.62E-61	0.039	0.032	0.225	0.069	272.774	TRUE	7.89E-57
COPD in never smokers	PTGIS	cg15543919	rs11908529	A	G	0.264	0.044	0.078	2.22E-09	0.035	0.028	0.219	0.010	35.749	TRUE	1.35E-08
COPD in never smokers	PTGIS	cg15543919	rs34122911	A	G	-0.145	0.024	0.359	1.32E-09	-0.040	0.017	0.021	0.010	36.760	TRUE	2.37E-08
COPD in never smokers	PTGIS	cg15543919	rs493694	T	C	0.253	0.023	0.473	9.02E-28	0.046	0.017	0.005	0.031	119.231	TRUE	1.25E-24
COPD in never smokers	PTGIS	cg19577548	rs56382860	C	T	-0.332	0.046	0.071	8.65E-13	0.039	0.032	0.225	0.014	51.100	TRUE	8.55E-12
COPD in never smokers	PYCARD	cg00327577	rs4889639	A	G	-0.147	0.025	0.331	3.88E-09	0.044	0.018	0.013	0.009	34.664	TRUE	7.35E-08
COPD in never smokers	PYCARD	cg07461837	rs112766425	G	A	0.375	0.050	0.055	5.07E-14	0.022	0.035	0.539	0.015	56.670	TRUE	2.87E-13
COPD in never smokers	PYCARD	cg07461837	rs4889655	T	C	0.184	0.024	0.387	2.21E-14	0.015	0.017	0.379	0.016	58.305	TRUE	1.82E-13
COPD in never smokers	PYCARD	cg07461837	rs71383767	C	T	-0.189	0.025	0.331	4.88E-14	-0.020	0.019	0.286	0.015	56.746	TRUE	4.84E-13
COPD in never smokers	PYCARD	cg07461837	rs8056505	C	T	0.541	0.024	0.321	2.35E-108	0.037	0.018	0.036	0.117	488.737	TRUE	7.86E-98

COPD in never smokers	PYCARD	cg07461837	rs9989432	T	C	-0.232	0.033	0.148	1.30E-12	0.024	0.023	0.288	0.013	50.296	TRUE	1.05E-11
COPD in never smokers	QSOX1	cg03396826	rs149231156	A	C	0.475	0.087	0.021	4.99E-08	0.046	0.061	0.448	0.008	29.703	TRUE	1.61E-07
COPD in never smokers	QSOX1	cg03396826	rs151265391	T	C	0.681	0.116	0.011	3.85E-09	0.053	0.075	0.485	0.009	34.679	TRUE	1.35E-08
COPD in never smokers	QSOX1	cg03396826	rs200951183	C	A	0.375	0.063	0.038	2.80E-09	-0.059	0.047	0.206	0.009	35.302	TRUE	1.73E-08
COPD in never smokers	QSOX1	cg03396826	rs60927554	G	A	0.640	0.099	0.014	1.29E-10	0.053	0.068	0.436	0.011	41.307	TRUE	5.85E-10
COPD in never smokers	QSOX1	cg03396826	rs79058837	T	C	-0.198	0.031	0.174	1.32E-10	0.019	0.022	0.396	0.011	41.250	TRUE	6.48E-10
COPD in never smokers	QSOX1	cg05770740	rs12071926	C	T	0.945	0.051	0.056	7.14E-78	-0.043	0.038	0.256	0.086	348.772	TRUE	5.36E-72
COPD in never smokers	QSOX1	cg05770740	rs140691245	A	G	0.647	0.113	0.014	1.02E-08	0.017	0.067	0.804	0.009	32.790	TRUE	2.20E-08
COPD in never smokers	QSOX1	cg05770740	rs34430949	T	C	-0.223	0.030	0.186	9.45E-14	0.056	0.021	0.007	0.015	55.448	TRUE	6.14E-12
COPD in never smokers	QSOX1	cg05770740	rs3845393	A	C	0.332	0.029	0.202	1.62E-30	0.003	0.021	0.869	0.034	131.771	TRUE	3.14E-29
COPD in never smokers	QSOX1	cg05770740	rs75056293	T	G	0.557	0.090	0.019	5.72E-10	0.075	0.065	0.253	0.010	38.395	TRUE	3.47E-09
COPD in never smokers	QSOX1	cg05770740	rs7542624	G	A	0.223	0.039	0.217	1.37E-08	-0.021	0.020	0.294	0.009	32.218	TRUE	6.21E-08
COPD in never smokers	QSOX1	cg05770740	rs872376	G	A	0.206	0.034	0.144	8.21E-10	0.002	0.023	0.925	0.010	37.690	TRUE	1.68E-09
COPD in never smokers	QSOX1	cg06894687	rs4259598	C	T	0.482	0.082	0.026	4.71E-09	0.016	0.050	0.750	0.009	34.286	TRUE	1.13E-08
COPD in never smokers	QSOX1	cg06894687	rs4448484	T	C	0.148	0.025	0.345	1.74E-09	-0.003	0.017	0.856	0.010	36.225	TRUE	3.78E-09
COPD in never smokers	QSOX1	cg06894687	rs7531169	A	G	0.444	0.036	0.125	2.23E-34	0.005	0.027	0.863	0.039	149.423	TRUE	7.11E-33
COPD in never smokers	QSOX1	cg06894687	rs7545835	T	C	0.199	0.028	0.225	1.36E-12	0.009	0.020	0.636	0.013	50.214	TRUE	5.53E-12
COPD in never smokers	QSOX1	cg09505809	rs10913937	C	A	0.187	0.026	0.313	3.86E-13	0.012	0.018	0.491	0.014	52.687	TRUE	2.15E-12
COPD in never smokers	QSOX1	cg09505809	rs12139961	T	G	0.385	0.052	0.053	1.61E-13	-0.062	0.039	0.110	0.014	54.407	TRUE	2.79E-12
COPD in never smokers	QSOX1	cg09505809	rs34430949	T	C	0.484	0.030	0.186	4.01E-60	0.056	0.021	0.007	0.067	267.341	TRUE	4.39E-54
COPD in never smokers	QSOX1	cg09505809	rs35471507	C	T	0.662	0.083	0.022	2.02E-15	-0.023	0.060	0.704	0.017	63.011	TRUE	9.92E-15
COPD in never smokers	QSOX1	cg12124589	rs11126	C	T	-0.193	0.027	0.269	4.59E-13	0.004	0.019	0.823	0.014	52.344	TRUE	1.46E-12
COPD in never smokers	QSOX1	cg12124589	rs149770566	G	T	-0.339	0.061	0.041	2.94E-08	-0.014	0.039	0.731	0.008	30.730	TRUE	6.65E-08
COPD in never smokers	QSOX1	cg12124589	rs357078	T	C	-0.235	0.029	0.207	6.22E-16	0.023	0.020	0.263	0.017	65.332	TRUE	8.60E-15
COPD in never smokers	QSOX1	cg12124589	rs3842829	C	T	-0.484	0.026	0.253	1.06E-74	0.038	0.019	0.050	0.083	334.209	TRUE	4.53E-68
COPD in never smokers	QSOX1	cg12124589	rs73040426	G	A	-0.507	0.087	0.016	6.35E-09	0.013	0.068	0.842	0.009	33.705	TRUE	1.33E-08
COPD in never smokers	QSOX1	cg12124589	rs7525475	G	A	-0.325	0.054	0.052	2.38E-09	-0.011	0.039	0.772	0.010	35.612	TRUE	5.70E-09
COPD in never smokers	QSOX1	cg15631106	rs142795443	A	G	-0.726	0.099	0.014	2.88E-13	-0.080	0.062	0.196	0.014	53.257	TRUE	3.37E-12
COPD in never smokers	QSOX1	cg15631106	rs4652487	A	G	-0.158	0.029	0.209	4.76E-08	0.026	0.020	0.198	0.008	29.798	TRUE	2.48E-07
COPD in never smokers	QSOX1	cg19936954	rs3767167	T	G	-0.309	0.051	0.057	1.81E-09	-0.049	0.038	0.198	0.010	36.146	TRUE	1.18E-08
COPD in never smokers	QSOX1	cg19936954	rs3820308	C	T	-0.214	0.027	0.249	2.58E-15	0.040	0.019	0.035	0.017	62.532	TRUE	1.15E-13
COPD in never smokers	RAB3GAP2	cg01795562	rs41303055	G	A	0.510	0.039	0.101	5.94E-39	0.001	0.028	0.982	0.044	170.346	TRUE	2.52E-37
COPD in never smokers	RAB3GAP2	cg05352303	rs149274142	A	G	0.530	0.039	0.100	9.92E-42	0.007	0.028	0.810	0.047	183.057	TRUE	9.92E-40
COPD in never smokers	RAB3GAP2	cg16257868	rs11584853	T	C	0.212	0.023	0.426	1.26E-19	-0.031	0.017	0.065	0.022	82.108	TRUE	8.49E-18
COPD in never smokers	RAB3GAP2	cg16257868	rs12129056	G	A	0.192	0.027	0.242	1.45E-12	-0.002	0.019	0.918	0.013	50.088	TRUE	3.80E-12
COPD in never smokers	RAB3GAP2	cg16257868	rs12142050	T	C	0.300	0.025	0.297	1.10E-32	0.031	0.019	0.101	0.037	141.679	TRUE	4.86E-30
COPD in never smokers	RAB3GAP2	cg16257868	rs147643571	C	T	1.301	0.107	0.022	6.52E-34	-0.003	0.061	0.960	0.038	147.288	TRUE	1.54E-32
COPD in never smokers	RAB3GAP2	cg16257868	rs1624678	A	G	-0.189	0.025	0.353	1.57E-14	-0.020	0.017	0.250	0.016	58.972	TRUE	1.86E-13
COPD in never smokers	RAB3GAP2	cg16257868	rs17008835	T	C	0.196	0.033	0.156	5.02E-09	-0.029	0.023	0.213	0.009	34.165	TRUE	2.93E-08
COPD in never smokers	RAB3GAP2	cg16257868	rs192403233	A	G	0.806	0.134	0.017	1.78E-09	0.030	0.068	0.661	0.010	36.179	TRUE	5.00E-09
COPD in never smokers	RAB3GAP2	cg16257868	rs41274794	G	A	1.359	0.035	0.097	<1E-200	-0.004	0.029	0.902	0.292	1525.252	TRUE	1.92E-287
COPD in never smokers	RAB3GAP2	cg16257868	rs4379680	C	T	0.249	0.024	0.496	4.79E-26	0.012	0.017	0.463	0.029	111.361	TRUE	1.46E-24

COPD in never smokers	RAB3GAP2	cg16257868	rs61830458	T	G	-0.185	0.030	0.188	9.10E-10	-0.026	0.022	0.229	0.010	37.490	TRUE	5.70E-09
COPD in never smokers	RAB3GAP2	cg16257868	rs6673738	A	G	0.341	0.026	0.274	3.85E-40	-0.023	0.019	0.209	0.045	175.783	TRUE	2.74E-37
COPD in never smokers	RAB3GAP2	cg16257868	rs7514869	G	A	0.310	0.046	0.073	9.28E-12	0.042	0.032	0.195	0.012	46.449	TRUE	8.66E-11
COPD in never smokers	RAB3GAP2	cg16257868	rs76768328	A	G	1.276	0.084	0.021	2.03E-52	-0.074	0.064	0.253	0.059	232.023	TRUE	9.56E-49
COPD in never smokers	RAB3GAP2	cg19821527	rs12026681	C	T	0.185	0.024	0.363	1.91E-14	-0.029	0.018	0.095	0.016	58.596	TRUE	4.22E-13
COPD in never smokers	RAB3GAP2	cg21408581	rs11805285	T	C	0.500	0.034	0.137	4.95E-48	-0.028	0.025	0.256	0.054	211.916	TRUE	1.05E-44
COPD in never smokers	RAB3GAP2	cg21408581	rs73087829	A	G	0.303	0.053	0.051	1.25E-08	-0.093	0.041	0.023	0.009	32.388	TRUE	1.76E-07
COPD in never smokers	RAB3GAP2	cg21408581	rs947517	A	G	0.188	0.028	0.214	3.11E-11	0.016	0.020	0.428	0.012	44.080	TRUE	1.55E-10
COPD in never smokers	RAB3GAP2	cg26881535	rs45626633	C	T	0.308	0.056	0.040	3.69E-08	0.011	0.037	0.773	0.008	30.291	TRUE	7.86E-08
COPD in never smokers	RAB3GAP2	cg26881535	rs9430920	T	C	-0.183	0.025	0.335	1.85E-13	-0.026	0.018	0.147	0.014	54.134	TRUE	2.67E-12
COPD in never smokers	RAF1	cg02420927	rs5746154	A	G	0.246	0.035	0.131	2.99E-12	0.063	0.024	0.009	0.013	48.668	TRUE	1.29E-10
COPD in never smokers	RAF1	cg02420927	rs60943691	C	A	-0.258	0.023	0.402	2.13E-28	-0.027	0.017	0.104	0.032	122.094	TRUE	4.43E-26
COPD in never smokers	RAF1	cg09856107	rs4234512	T	G	0.296	0.027	0.236	2.50E-27	-0.008	0.019	0.687	0.031	117.210	TRUE	5.05E-26
COPD in never smokers	RAF1	cg09856107	rs6442325	A	C	-0.168	0.026	0.288	5.83E-11	0.001	0.018	0.974	0.011	42.854	TRUE	1.23E-10
COPD in never smokers	RAF1	cg12173506	rs12714875	G	T	-0.149	0.027	0.254	2.96E-08	0.035	0.019	0.063	0.008	30.715	TRUE	2.66E-07
COPD in never smokers	RAF1	cg13703021	rs7617041	G	A	0.262	0.025	0.350	6.53E-26	0.040	0.017	0.023	0.029	110.744	TRUE	2.68E-23
COPD in never smokers	RAF1	cg23032965	rs112126248	A	G	0.650	0.048	0.064	7.59E-42	0.041	0.036	0.247	0.047	183.589	TRUE	5.82E-39
COPD in never smokers	RAF1	cg23032965	rs114464931	G	A	0.805	0.076	0.026	2.11E-26	-0.056	0.057	0.320	0.030	112.983	TRUE	1.06E-24
COPD in never smokers	RAF1	cg23032965	rs115113943	A	G	0.708	0.109	0.020	7.20E-11	0.014	0.055	0.793	0.011	42.440	TRUE	1.93E-10
COPD in never smokers	RAF1	cg23032965	rs116542919	A	G	0.600	0.086	0.038	3.09E-12	0.009	0.048	0.854	0.013	48.605	TRUE	8.64E-12
COPD in never smokers	RAF1	cg23032965	rs11718656	C	T	-0.235	0.035	0.326	1.09E-11	0.000	0.018	0.996	0.012	46.132	TRUE	2.37E-11
COPD in never smokers	RAF1	cg23032965	rs12636458	T	C	-0.414	0.053	0.101	4.33E-15	-0.054	0.028	0.059	0.016	61.512	TRUE	1.41E-13
COPD in never smokers	RAF1	cg23032965	rs147070788	A	G	-0.293	0.024	0.423	4.12E-35	-0.014	0.017	0.391	0.040	152.773	TRUE	5.78E-33
COPD in never smokers	RAF1	cg23032965	rs147785705	C	T	0.535	0.096	0.015	2.19E-08	0.115	0.075	0.123	0.008	31.299	TRUE	1.52E-07
COPD in never smokers	RAF1	cg23032965	rs3817121	A	G	0.224	0.034	0.167	3.90E-11	0.035	0.022	0.108	0.012	43.641	TRUE	4.61E-10
COPD in never smokers	RAF1	cg23032965	rs4135275	G	A	-0.175	0.029	0.207	2.82E-09	-0.020	0.021	0.340	0.009	35.284	TRUE	1.29E-08
COPD in never smokers	RAF1	cg23032965	rs56268840	T	C	0.238	0.026	0.280	3.43E-20	0.025	0.018	0.179	0.022	84.680	TRUE	1.21E-18
COPD in never smokers	RAF1	cg23032965	rs62243663	A	C	-0.283	0.025	0.291	8.69E-29	-0.001	0.018	0.967	0.032	123.871	TRUE	1.09E-27
COPD in never smokers	RAF1	cg23032965	rs6795464	T	C	-0.212	0.024	0.357	3.64E-18	-0.003	0.017	0.881	0.020	75.469	TRUE	1.73E-17
COPD in never smokers	RAF1	cg23032965	rs693201	A	G	-0.155	0.024	0.438	4.56E-11	-0.007	0.017	0.686	0.012	43.334	TRUE	1.46E-10
COPD in never smokers	RAF1	cg23032965	rs71187446	A	G	0.609	0.052	0.053	2.59E-32	-0.011	0.036	0.766	0.036	139.975	TRUE	8.12E-31
COPD in never smokers	RAF1	cg23032965	rs73027016	A	G	-0.154	0.026	0.265	5.81E-09	-0.032	0.019	0.093	0.009	33.879	TRUE	5.07E-08
COPD in never smokers	RAF1	cg23032965	rs9833097	A	G	0.377	0.040	0.098	3.99E-21	0.045	0.027	0.089	0.023	88.930	TRUE	2.81E-19
COPD in never smokers	RAF1	cg23032965	rs9863437	T	G	-0.408	0.027	0.247	3.67E-53	-0.013	0.019	0.502	0.060	235.423	TRUE	6.13E-50
COPD in never smokers	RAF1	cg23332193	rs13101202	C	A	-0.295	0.031	0.177	4.79E-21	0.055	0.021	0.010	0.023	88.570	TRUE	1.21E-18
COPD in never smokers	RAF1	cg23332193	rs2454456	A	G	-0.198	0.028	0.233	1.00E-12	-0.004	0.019	0.831	0.014	50.817	TRUE	3.03E-12
COPD in never smokers	RAF1	cg23332193	rs59821954	C	T	0.415	0.029	0.209	6.57E-47	0.015	0.021	0.461	0.053	206.774	TRUE	4.51E-44
COPD in never smokers	RAF1	cg26432171	rs1051208	A	G	-0.185	0.033	0.152	1.36E-08	0.040	0.023	0.082	0.009	32.222	TRUE	1.17E-07
COPD in never smokers	RAF1	cg26432171	rs34741626	T	C	-0.216	0.033	0.152	6.78E-11	0.015	0.023	0.519	0.011	42.558	TRUE	2.76E-10
COPD in never smokers	RAF1	cg26432171	rs3925798	T	C	0.399	0.023	0.414	3.77E-68	-0.031	0.017	0.061	0.076	304.157	TRUE	2.86E-62
COPD in never smokers	RAF1	cg26432171	rs9814180	A	G	0.130	0.023	0.440	2.64E-08	-0.013	0.017	0.441	0.008	30.936	TRUE	8.93E-08
COPD in never smokers	RPL8	cg00904138	rs13258307	A	G	0.132	0.023	0.454	1.34E-08	-0.022	0.017	0.192	0.009	32.251	TRUE	7.74E-08

COPD in never smokers	RPL8	cg00904138	rs9004	T	C	0.226	0.025	0.320	7.73E-20	-0.036	0.018	0.045	0.022	83.073	TRUE	6.81E-18
COPD in never smokers	RPL8	cg02578312	rs10087755	A	G	0.172	0.030	0.181	8.17E-09	0.012	0.021	0.560	0.009	33.217	TRUE	2.46E-08
COPD in never smokers	RPL8	cg02578312	rs10156223	G	A	-0.378	0.060	0.047	3.03E-10	-0.011	0.038	0.780	0.011	39.633	TRUE	7.81E-10
COPD in never smokers	RPL8	cg02578312	rs113284751	C	T	-0.324	0.056	0.039	8.11E-09	-0.051	0.042	0.221	0.009	33.231	TRUE	4.49E-08
COPD in never smokers	RPL8	cg02578312	rs11774212	C	T	-0.192	0.023	0.496	7.42E-17	-0.003	0.016	0.834	0.018	69.520	TRUE	3.36E-16
COPD in never smokers	RPL8	cg02578312	rs2242270	C	A	-0.143	0.024	0.446	1.44E-09	-0.019	0.017	0.250	0.010	36.597	TRUE	8.30E-09
COPD in never smokers	RPL8	cg02578312	rs2956165	A	G	0.359	0.034	0.145	8.57E-26	0.026	0.024	0.285	0.029	110.205	TRUE	4.49E-24
COPD in never smokers	RPL8	cg02578312	rs2958519	A	G	-0.632	0.022	0.443	1.86E-175	-0.042	0.017	0.012	0.177	797.093	TRUE	9.11E-155
COPD in never smokers	RPL8	cg02578312	rs4330728	A	G	0.251	0.024	0.454	2.67E-26	0.057	0.017	5.70E-04	0.030	112.514	TRUE	8.35E-23
COPD in never smokers	RPL8	cg02578312	rs4925850	C	T	0.213	0.025	0.335	1.40E-17	0.019	0.020	0.340	0.019	72.815	TRUE	1.94E-16
COPD in never smokers	RPL8	cg02578312	rs55743069	C	T	-0.364	0.042	0.082	3.15E-18	-0.015	0.032	0.634	0.020	75.753	TRUE	2.41E-17
COPD in never smokers	RPL8	cg02578312	rs72699315	G	A	0.312	0.038	0.096	3.84E-16	0.022	0.026	0.397	0.018	66.283	TRUE	3.81E-15
COPD in never smokers	RPL8	cg11631160	rs2958512	A	G	-0.212	0.023	0.440	5.86E-20	-0.042	0.017	0.011	0.022	83.619	TRUE	1.15E-17
COPD in never smokers	RPL8	cg19526425	rs2955196	T	C	-0.185	0.023	0.453	1.85E-15	-0.047	0.017	0.004	0.017	63.182	TRUE	2.19E-13
COPD in never smokers	RPTOR	cg00143364	rs7218924	T	C	-0.155	0.024	0.429	7.82E-11	-0.046	0.017	0.006	0.011	42.279	TRUE	2.92E-09
COPD in never smokers	RPTOR	cg00143364	rs79155262	T	C	-0.367	0.041	0.090	3.48E-19	-0.022	0.029	0.440	0.021	80.104	TRUE	4.60E-18
COPD in never smokers	RPTOR	cg00463485	rs4969444	A	G	-0.305	0.031	0.184	2.05E-23	-0.013	0.022	0.560	0.026	99.360	TRUE	3.45E-22
COPD in never smokers	RPTOR	cg00523683	rs117209908	A	G	0.318	0.050	0.059	2.35E-10	0.029	0.035	0.404	0.011	40.126	TRUE	1.10E-09
COPD in never smokers	RPTOR	cg00523683	rs147459147	G	T	-0.150	0.024	0.486	1.87E-10	-0.005	0.017	0.747	0.011	40.578	TRUE	5.14E-10
COPD in never smokers	RPTOR	cg00523683	rs4969266	T	C	-0.208	0.028	0.234	5.62E-14	-0.027	0.020	0.175	0.015	56.471	TRUE	7.86E-13
COPD in never smokers	RPTOR	cg00523683	rs67583258	T	C	0.337	0.027	0.249	2.07E-35	-0.002	0.019	0.926	0.040	154.142	TRUE	6.42E-34
COPD in never smokers	RPTOR	cg00704970	rs111396639	A	G	0.163	0.027	0.258	1.34E-09	0.003	0.020	0.873	0.010	36.739	TRUE	2.87E-09
COPD in never smokers	RPTOR	cg00704970	rs11150747	T	C	0.151	0.027	0.249	3.65E-08	-0.015	0.019	0.430	0.008	30.311	TRUE	1.23E-07
COPD in never smokers	RPTOR	cg00704970	rs11656061	A	G	-0.478	0.023	0.436	6.20E-94	-0.010	0.017	0.528	0.103	422.505	TRUE	3.51E-87
COPD in never smokers	RPTOR	cg00704970	rs12952861	A	G	0.439	0.029	0.202	2.58E-52	0.019	0.021	0.354	0.059	231.546	TRUE	6.99E-49
COPD in never smokers	RPTOR	cg00704970	rs13341621	A	G	0.404	0.050	0.080	5.93E-16	-0.007	0.032	0.837	0.017	65.424	TRUE	2.44E-15
COPD in never smokers	RPTOR	cg00704970	rs149099062	A	G	1.076	0.139	0.015	1.19E-14	-0.030	0.065	0.642	0.016	59.513	TRUE	6.02E-14
COPD in never smokers	RPTOR	cg00704970	rs56273414	C	T	0.269	0.033	0.146	4.98E-16	0.002	0.024	0.938	0.017	65.767	TRUE	1.74E-15
COPD in never smokers	RPTOR	cg00704970	rs56859058	G	T	0.292	0.048	0.071	9.39E-10	-0.044	0.034	0.204	0.010	37.427	TRUE	6.27E-09
COPD in never smokers	RPTOR	cg00704970	rs62068487	A	G	-0.359	0.025	0.319	1.09E-46	-0.019	0.018	0.299	0.053	205.763	TRUE	1.46E-43
COPD in never smokers	RPTOR	cg00704970	rs7225916	G	T	0.156	0.026	0.272	3.41E-09	0.036	0.018	0.046	0.009	34.916	TRUE	4.17E-08
COPD in never smokers	RPTOR	cg00704970	rs72852923	T	C	0.307	0.050	0.068	8.10E-10	-0.001	0.033	0.986	0.010	37.715	TRUE	1.53E-09
COPD in never smokers	RPTOR	cg00704970	rs72853711	C	T	0.266	0.037	0.115	5.17E-13	-0.049	0.027	0.068	0.014	52.111	TRUE	1.08E-11
COPD in never smokers	RPTOR	cg00704970	rs72857988	T	C	0.600	0.050	0.050	1.88E-33	-0.009	0.035	0.799	0.038	145.184	TRUE	6.28E-32
COPD in never smokers	RPTOR	cg00704970	rs8073904	G	A	0.190	0.033	0.141	9.93E-09	0.030	0.024	0.224	0.009	32.838	TRUE	5.38E-08
COPD in never smokers	RPTOR	cg00704970	rs9797307	A	G	0.534	0.030	0.174	4.95E-70	0.027	0.022	0.212	0.078	312.792	TRUE	9.66E-65
COPD in never smokers	RPTOR	cg01432609	rs62068339	G	T	0.257	0.041	0.092	3.12E-10	-0.019	0.029	0.505	0.011	39.578	TRUE	1.20E-09
COPD in never smokers	RPTOR	cg01464730	rs10468605	C	T	0.806	0.021	0.407	<1E-200	-0.009	0.017	0.583	0.288	1494.937	TRUE	2.94E-281
COPD in never smokers	RPTOR	cg01464730	rs11652074	A	G	-0.213	0.037	0.117	8.99E-09	-0.029	0.026	0.264	0.009	33.031	TRUE	4.47E-08
COPD in never smokers	RPTOR	cg01464730	rs11653338	T	C	-0.143	0.024	0.495	1.43E-09	-0.024	0.017	0.151	0.010	36.607	TRUE	1.09E-08
COPD in never smokers	RPTOR	cg01464730	rs117209908	A	G	0.489	0.050	0.059	2.89E-22	0.029	0.035	0.404	0.025	94.121	TRUE	6.29E-21
COPD in never smokers	RPTOR	cg01464730	rs118003029	A	G	-0.350	0.055	0.089	1.64E-10	-0.013	0.028	0.633	0.011	40.831	TRUE	5.35E-10

COPD in never smokers	RPTOR	cg01464730	rs139980334	C	T	0.460	0.047	0.065	1.20E-22	0.004	0.042	0.927	0.025	95.856	TRUE	8.34E-22
COPD in never smokers	RPTOR	cg01464730	rs35904260	G	A	-0.274	0.023	0.445	8.41E-32	0.001	0.017	0.965	0.036	137.640	TRUE	1.51E-30
COPD in never smokers	RPTOR	cg01464730	rs55903842	A	G	0.398	0.051	0.059	8.52E-15	-0.020	0.039	0.609	0.016	60.179	TRUE	4.64E-14
COPD in never smokers	RPTOR	cg01464730	rs60720478	T	C	0.499	0.053	0.046	9.22E-21	0.031	0.037	0.410	0.023	87.276	TRUE	1.61E-19
COPD in never smokers	RPTOR	cg01464730	rs62070200	A	G	-0.141	0.026	0.277	3.51E-08	-0.006	0.018	0.730	0.008	30.386	TRUE	7.90E-08
COPD in never smokers	RPTOR	cg01464730	rs72856013	A	G	-0.358	0.036	0.120	2.06E-23	-0.015	0.026	0.567	0.026	99.346	TRUE	3.42E-22
COPD in never smokers	RPTOR	cg01464730	rs77591050	T	C	0.498	0.045	0.077	1.33E-28	-0.051	0.032	0.109	0.032	123.031	TRUE	2.74E-26
COPD in never smokers	RPTOR	cg01464730	rs9897608	T	C	-0.256	0.025	0.346	1.74E-25	-0.039	0.017	0.022	0.029	108.808	TRUE	6.77E-23
COPD in never smokers	RPTOR	cg01476242	rs4969443	G	A	-0.252	0.031	0.184	1.40E-16	-0.012	0.022	0.573	0.018	68.267	TRUE	1.00E-15
COPD in never smokers	RPTOR	cg01498832	rs34177980	T	C	0.233	0.030	0.199	3.12E-15	0.037	0.021	0.072	0.017	62.158	TRUE	9.30E-14
COPD in never smokers	RPTOR	cg01498832	rs6565476	T	C	-0.296	0.029	0.220	3.35E-25	0.006	0.020	0.776	0.028	107.506	TRUE	4.26E-24
COPD in never smokers	RPTOR	cg01516792	rs11150741	G	A	0.367	0.025	0.366	4.54E-50	0.031	0.017	0.070	0.056	221.253	TRUE	6.93E-46
COPD in never smokers	RPTOR	cg01516792	rs117209908	A	G	0.338	0.050	0.059	2.04E-11	0.029	0.035	0.404	0.012	44.906	TRUE	1.09E-10
COPD in never smokers	RPTOR	cg01516792	rs118182693	G	A	-0.375	0.057	0.042	3.78E-11	-0.035	0.042	0.407	0.012	43.702	TRUE	1.94E-10
COPD in never smokers	RPTOR	cg01516792	rs11870398	T	C	-0.195	0.024	0.387	9.07E-16	-0.027	0.017	0.117	0.017	64.588	TRUE	2.20E-14
COPD in never smokers	RPTOR	cg01516792	rs144443274	T	C	0.179	0.031	0.178	6.10E-09	0.007	0.022	0.746	0.009	33.783	TRUE	1.45E-08
COPD in never smokers	RPTOR	cg01516792	rs80146578	T	C	0.130	0.024	0.425	4.81E-08	0.010	0.018	0.581	0.008	29.777	TRUE	1.29E-07
COPD in never smokers	RPTOR	cg01516792	rs8073414	G	A	-0.172	0.025	0.353	4.97E-12	-0.038	0.017	0.025	0.013	47.674	TRUE	1.38E-10
COPD in never smokers	RPTOR	cg01516792	rs9915667	A	G	-0.187	0.024	0.438	1.68E-15	0.025	0.017	0.125	0.017	63.371	TRUE	3.74E-14
COPD in never smokers	RPTOR	cg01561259	rs117736066	G	A	-0.305	0.041	0.088	1.55E-13	-0.024	0.030	0.421	0.015	54.473	TRUE	1.05E-12
COPD in never smokers	RPTOR	cg01561259	rs146289225	T	C	0.478	0.073	0.057	6.13E-11	-0.004	0.036	0.914	0.011	42.756	TRUE	1.40E-10
COPD in never smokers	RPTOR	cg01561259	rs201407779	A	G	-0.421	0.041	0.090	7.34E-25	-0.019	0.029	0.516	0.028	105.952	TRUE	1.66E-23
COPD in never smokers	RPTOR	cg01561259	rs3829572	G	A	-0.143	0.024	0.389	4.28E-09	-0.011	0.017	0.513	0.009	34.472	TRUE	1.43E-08
COPD in never smokers	RPTOR	cg01561259	rs4396581	T	C	0.306	0.023	0.491	6.18E-39	-0.026	0.016	0.115	0.044	170.268	TRUE	7.06E-36
COPD in never smokers	RPTOR	cg01561259	rs62070201	A	G	0.316	0.044	0.069	4.97E-13	-0.057	0.031	0.066	0.014	52.187	TRUE	1.06E-11
COPD in never smokers	RPTOR	cg01561259	rs7221014	T	C	0.386	0.024	0.382	1.47E-58	0.002	0.017	0.929	0.066	260.167	TRUE	1.38E-55
COPD in never smokers	RPTOR	cg01561259	rs72853711	C	T	-0.255	0.037	0.115	4.83E-12	-0.049	0.027	0.068	0.013	47.730	TRUE	8.45E-11
COPD in never smokers	RPTOR	cg01886663	rs7210742	A	G	0.143	0.023	0.444	1.01E-09	-0.003	0.017	0.838	0.010	37.293	TRUE	2.28E-09
COPD in never smokers	RPTOR	cg01886663	rs8064817	T	C	-0.315	0.032	0.168	3.20E-23	0.005	0.022	0.833	0.026	98.478	TRUE	2.87E-22
COPD in never smokers	RPTOR	cg01911440	rs114387751	T	C	0.259	0.043	0.081	2.54E-09	-0.032	0.030	0.286	0.010	35.488	TRUE	1.30E-08
COPD in never smokers	RPTOR	cg02033669	rs1468033	G	A	0.181	0.023	0.437	4.41E-15	0.000	0.017	0.984	0.016	61.473	TRUE	1.31E-14
COPD in never smokers	RPTOR	cg02185248	rs117117100	A	G	0.505	0.075	0.024	2.28E-11	-0.085	0.052	0.103	0.012	44.694	TRUE	2.88E-10
COPD in never smokers	RPTOR	cg02185248	rs117209908	A	G	0.539	0.050	0.059	7.01E-27	0.029	0.035	0.404	0.030	115.168	TRUE	2.86E-25
COPD in never smokers	RPTOR	cg02185248	rs12452137	G	A	0.726	0.026	0.249	1.85E-169	0.001	0.019	0.967	0.172	769.529	TRUE	2.04E-154
COPD in never smokers	RPTOR	cg02185248	rs139062305	A	G	-0.346	0.052	0.063	2.31E-11	-0.016	0.034	0.630	0.012	44.668	TRUE	8.29E-11
COPD in never smokers	RPTOR	cg02185248	rs2873061	A	G	-0.319	0.024	0.367	6.46E-40	-0.031	0.017	0.070	0.045	174.754	TRUE	1.44E-36
COPD in never smokers	RPTOR	cg02185248	rs35832855	C	T	0.136	0.024	0.436	9.56E-09	0.016	0.017	0.346	0.009	32.911	TRUE	4.02E-08
COPD in never smokers	RPTOR	cg02185248	rs4969429	A	G	0.274	0.026	0.273	1.76E-25	0.051	0.019	0.006	0.029	108.780	TRUE	1.48E-22
COPD in never smokers	RPTOR	cg02185248	rs56195589	C	T	0.390	0.051	0.134	1.75E-14	0.030	0.024	0.224	0.016	58.763	TRUE	2.23E-13
COPD in never smokers	RPTOR	cg02185248	rs62067893	T	C	0.574	0.069	0.037	1.31E-16	-0.122	0.049	0.013	0.018	68.398	TRUE	1.22E-14
COPD in never smokers	RPTOR	cg02185248	rs6565695	T	C	-0.160	0.024	0.386	3.48E-11	-0.026	0.017	0.126	0.012	43.863	TRUE	3.82E-10
COPD in never smokers	RPTOR	cg02185248	rs72853735	G	A	0.331	0.036	0.118	5.00E-20	-0.016	0.026	0.542	0.022	83.935	TRUE	5.76E-19

COPD in never smokers	RPTOR	cg02240665	rs11150746	G	A	-0.136	0.025	0.332	4.21E-08	-0.012	0.017	0.474	0.008	30.032	TRUE	1.32E-07
COPD in never smokers	RPTOR	cg02240665	rs7211095	T	G	-0.203	0.024	0.456	6.34E-18	0.012	0.017	0.468	0.020	74.371	TRUE	6.68E-17
COPD in never smokers	RPTOR	cg02243479	rs2289762	A	G	-0.333	0.026	0.245	1.95E-36	0.005	0.019	0.785	0.041	158.831	TRUE	1.00E-34
COPD in never smokers	RPTOR	cg02243479	rs2289764	C	T	0.156	0.027	0.241	1.16E-08	0.001	0.020	0.940	0.009	32.537	TRUE	2.11E-08
COPD in never smokers	RPTOR	cg02251850	rs117763980	T	C	0.319	0.055	0.043	6.30E-09	-0.001	0.041	0.972	0.009	33.722	TRUE	1.13E-08
COPD in never smokers	RPTOR	cg02251850	rs2289762	A	G	0.573	0.026	0.245	3.66E-107	0.005	0.019	0.785	0.116	483.260	TRUE	1.45E-99
COPD in never smokers	RPTOR	cg02251850	rs34781048	A	G	0.157	0.024	0.434	7.20E-11	-0.032	0.017	0.052	0.011	42.441	TRUE	1.15E-09
COPD in never smokers	RPTOR	cg02251850	rs62068460	T	C	-0.462	0.027	0.231	1.72E-63	0.019	0.019	0.337	0.071	282.790	TRUE	4.02E-59
COPD in never smokers	RPTOR	cg02251850	rs7207052	T	C	0.240	0.043	0.196	1.89E-08	-0.005	0.020	0.802	0.008	31.586	TRUE	4.00E-08
COPD in never smokers	RPTOR	cg02254800	rs77734083	A	G	0.830	0.089	0.018	1.51E-20	-0.014	0.057	0.803	0.023	86.305	TRUE	1.07E-19
COPD in never smokers	RPTOR	cg02284802	rs2589156	A	G	0.200	0.034	0.138	6.62E-09	0.004	0.024	0.874	0.009	33.625	TRUE	1.33E-08
COPD in never smokers	RPTOR	cg02403929	rs8082382	C	T	-0.133	0.024	0.420	2.53E-08	-0.026	0.017	0.120	0.008	31.022	TRUE	1.75E-07
COPD in never smokers	RPTOR	cg02671711	rs9899051	A	G	-0.242	0.024	0.464	8.88E-25	0.007	0.016	0.669	0.028	105.575	TRUE	1.37E-23
COPD in never smokers	RPTOR	cg02675920	rs117429647	G	A	0.339	0.061	0.039	2.89E-08	0.022	0.042	0.601	0.008	30.765	TRUE	7.73E-08
COPD in never smokers	RPTOR	cg02675920	rs12943620	T	G	-0.257	0.027	0.225	3.23E-21	-0.018	0.020	0.357	0.024	89.347	TRUE	6.98E-20
COPD in never smokers	RPTOR	cg02675920	rs28742979	G	A	-0.185	0.027	0.262	8.82E-12	-0.018	0.019	0.360	0.012	46.548	TRUE	5.41E-11
COPD in never smokers	RPTOR	cg02675920	rs4890053	G	A	-0.251	0.024	0.467	1.65E-26	-0.012	0.017	0.477	0.030	113.470	TRUE	5.16E-25
COPD in never smokers	RPTOR	cg02675920	rs62069371	T	C	-0.859	0.041	0.084	7.96E-97	-0.023	0.030	0.428	0.105	435.785	TRUE	1.52E-89
COPD in never smokers	RPTOR	cg02675920	rs7207154	C	T	0.352	0.052	0.131	8.82E-12	0.029	0.025	0.237	0.012	46.550	TRUE	7.27E-11
COPD in never smokers	RPTOR	cg02675920	rs7208789	T	C	0.330	0.039	0.107	2.06E-17	0.087	0.027	0.001	0.019	72.049	TRUE	6.38E-15
COPD in never smokers	RPTOR	cg02675920	rs7209132	C	T	0.534	0.024	0.365	3.92E-108	0.030	0.017	0.084	0.116	487.715	TRUE	3.36E-98
COPD in never smokers	RPTOR	cg02675920	rs72853735	G	A	0.251	0.036	0.118	4.37E-12	-0.016	0.026	0.542	0.013	47.925	TRUE	1.97E-11
COPD in never smokers	RPTOR	cg02675920	rs74003912	A	G	0.168	0.030	0.199	1.35E-08	0.052	0.021	0.012	0.009	32.248	TRUE	2.30E-07
COPD in never smokers	RPTOR	cg02675920	rs9902224	G	A	0.224	0.024	0.480	1.71E-21	0.003	0.016	0.855	0.024	90.604	TRUE	1.21E-20
COPD in never smokers	RPTOR	cg02878831	rs11868966	C	A	-0.270	0.032	0.167	2.25E-17	0.004	0.022	0.842	0.019	71.872	TRUE	1.06E-16
COPD in never smokers	RPTOR	cg02878831	rs4969306	C	T	0.150	0.025	0.317	2.32E-09	-0.013	0.018	0.467	0.010	35.661	TRUE	8.59E-09
COPD in never smokers	RPTOR	cg03052541	rs370137211	T	C	-0.252	0.027	0.216	4.17E-20	-0.003	0.021	0.888	0.022	84.293	TRUE	2.39E-19
COPD in never smokers	RPTOR	cg03052541	rs6565502	G	A	-0.379	0.024	0.394	2.01E-57	-0.023	0.017	0.178	0.064	254.959	TRUE	4.06E-53
COPD in never smokers	RPTOR	cg03052541	rs868432	A	G	-0.172	0.023	0.444	8.35E-14	0.012	0.017	0.484	0.015	55.691	TRUE	5.12E-13
COPD in never smokers	RPTOR	cg03443590	rs10468605	C	T	0.865	0.019	0.407	<1E-200	-0.009	0.017	0.583	0.351	2002.666	TRUE	<1E-200
COPD in never smokers	RPTOR	cg03443590	rs113059224	A	G	-0.444	0.043	0.070	4.02E-25	-0.030	0.027	0.268	0.028	107.142	TRUE	2.04E-23
COPD in never smokers	RPTOR	cg03443590	rs11651724	A	G	-0.279	0.037	0.117	4.75E-14	-0.030	0.026	0.257	0.015	56.798	TRUE	5.13E-13
COPD in never smokers	RPTOR	cg03443590	rs11653338	T	C	-0.216	0.024	0.495	3.65E-20	-0.024	0.017	0.151	0.022	84.557	TRUE	1.47E-18
COPD in never smokers	RPTOR	cg03443590	rs117209908	A	G	0.422	0.050	0.059	5.39E-17	0.029	0.035	0.404	0.019	70.150	TRUE	5.87E-16
COPD in never smokers	RPTOR	cg03443590	rs2340773	T	C	-0.224	0.037	0.116	2.02E-09	0.071	0.026	0.006	0.010	35.933	TRUE	5.30E-08
COPD in never smokers	RPTOR	cg03443590	rs35904260	G	A	-0.403	0.023	0.445	1.87E-68	0.001	0.017	0.965	0.076	305.556	TRUE	8.69E-65
COPD in never smokers	RPTOR	cg03443590	rs56043926	A	G	0.568	0.053	0.046	1.93E-26	0.029	0.037	0.443	0.030	113.157	TRUE	6.60E-25
COPD in never smokers	RPTOR	cg03443590	rs62068299	G	A	0.459	0.041	0.091	2.04E-29	-0.023	0.029	0.432	0.033	126.744	TRUE	1.09E-27
COPD in never smokers	RPTOR	cg03443590	rs72856013	A	G	-0.450	0.036	0.120	3.01E-36	-0.015	0.026	0.567	0.041	157.973	TRUE	2.79E-34
COPD in never smokers	RPTOR	cg03443590	rs77591050	T	C	0.558	0.045	0.077	1.36E-35	-0.051	0.032	0.109	0.040	154.979	TRUE	9.14E-33
COPD in never smokers	RPTOR	cg03443590	rs78230659	G	A	-0.142	0.025	0.324	1.25E-08	-0.007	0.018	0.703	0.009	32.387	TRUE	3.05E-08
COPD in never smokers	RPTOR	cg03502601	rs11656246	A	G	-0.356	0.027	0.241	6.48E-41	0.004	0.019	0.822	0.046	179.325	TRUE	5.59E-39

COPD in never smokers	RPTOR	cg03502601	rs12948647	A	G	0.284	0.046	0.125	4.87E-10	-0.021	0.025	0.406	0.010	38.709	TRUE	2.17E-09
COPD in never smokers	RPTOR	cg03502601	rs12952861	A	G	0.445	0.029	0.202	1.26E-53	0.019	0.021	0.354	0.060	237.551	TRUE	4.32E-50
COPD in never smokers	RPTOR	cg03502601	rs13341621	A	G	0.417	0.050	0.080	6.47E-17	-0.007	0.032	0.837	0.019	69.789	TRUE	2.94E-16
COPD in never smokers	RPTOR	cg03502601	rs149099062	A	G	1.045	0.139	0.015	6.65E-14	-0.030	0.065	0.642	0.015	56.138	TRUE	3.09E-13
COPD in never smokers	RPTOR	cg03502601	rs2289764	C	T	1.143	0.020	0.241	<1E-200	0.001	0.020	0.940	0.469	3272.956	TRUE	<1E-200
COPD in never smokers	RPTOR	cg03502601	rs56273414	C	T	0.238	0.033	0.146	7.30E-13	0.002	0.024	0.938	0.014	51.434	TRUE	1.91E-12
COPD in never smokers	RPTOR	cg03502601	rs62067893	T	C	0.393	0.070	0.037	1.65E-08	-0.122	0.049	0.013	0.009	31.852	TRUE	2.73E-07
COPD in never smokers	RPTOR	cg03502601	rs62068487	A	G	-0.342	0.025	0.319	2.59E-42	-0.019	0.018	0.299	0.048	185.725	TRUE	1.66E-39
COPD in never smokers	RPTOR	cg03502601	rs7217223	T	C	0.169	0.026	0.297	6.69E-11	-0.004	0.018	0.817	0.011	42.583	TRUE	1.74E-10
COPD in never smokers	RPTOR	cg03502601	rs72852923	T	C	0.310	0.050	0.068	5.81E-10	-0.001	0.033	0.986	0.010	38.364	TRUE	1.11E-09
COPD in never smokers	RPTOR	cg03502601	rs72859646	T	C	0.645	0.068	0.026	2.96E-21	0.051	0.049	0.296	0.024	89.521	TRUE	7.79E-20
COPD in never smokers	RPTOR	cg03502601	rs77183052	A	G	1.147	0.170	0.012	1.39E-11	0.014	0.076	0.856	0.012	45.658	TRUE	3.65E-11
COPD in never smokers	RPTOR	cg03502601	rs908235	A	G	-0.199	0.031	0.191	8.73E-11	0.026	0.021	0.209	0.011	42.065	TRUE	6.72E-10
COPD in never smokers	RPTOR	cg03513049	rs112356065	G	T	0.177	0.028	0.224	3.83E-10	0.068	0.020	5.12E-04	0.010	39.174	TRUE	2.41E-08
COPD in never smokers	RPTOR	cg03513049	rs1131609	A	G	-0.251	0.027	0.243	4.09E-21	-0.023	0.019	0.239	0.023	88.884	TRUE	1.29E-19
COPD in never smokers	RPTOR	cg03513049	rs2291360	A	G	0.222	0.025	0.367	3.44E-19	0.033	0.017	0.058	0.021	80.125	TRUE	2.32E-17
COPD in never smokers	RPTOR	cg03513049	rs28742979	G	A	-0.245	0.027	0.262	1.34E-19	-0.018	0.019	0.360	0.022	81.989	TRUE	2.31E-18
COPD in never smokers	RPTOR	cg03513049	rs4890053	G	A	-0.164	0.024	0.467	3.91E-12	-0.012	0.017	0.477	0.013	48.141	TRUE	1.99E-11
COPD in never smokers	RPTOR	cg03513049	rs58691767	T	C	-1.137	0.040	0.084	7.76E-178	-0.025	0.030	0.397	0.179	808.036	TRUE	5.54E-160
COPD in never smokers	RPTOR	cg03513049	rs9895714	C	A	0.229	0.023	0.426	5.87E-23	0.037	0.017	0.024	0.026	97.277	TRUE	1.34E-20
COPD in never smokers	RPTOR	cg03533386	rs11652074	A	G	-0.287	0.036	0.117	3.79E-15	-0.029	0.026	0.264	0.016	61.773	TRUE	4.68E-14
COPD in never smokers	RPTOR	cg03533386	rs72853711	C	T	0.201	0.036	0.115	3.12E-08	-0.049	0.027	0.068	0.008	30.617	TRUE	2.70E-07
COPD in never smokers	RPTOR	cg03533386	rs8064620	T	G	-0.136	0.024	0.382	1.20E-08	0.001	0.017	0.956	0.009	32.473	TRUE	2.14E-08
COPD in never smokers	RPTOR	cg03641032	rs113335931	G	A	-0.393	0.032	0.150	3.37E-34	0.004	0.024	0.861	0.039	148.601	TRUE	1.06E-32
COPD in never smokers	RPTOR	cg03641032	rs2672878	T	C	0.260	0.026	0.263	3.34E-23	0.005	0.018	0.786	0.026	98.395	TRUE	3.29E-22
COPD in never smokers	RPTOR	cg03641032	rs2878052	A	G	0.898	0.025	0.228	7.37E-287	0.012	0.020	0.525	0.261	1309.351	TRUE	1.47E-249
COPD in never smokers	RPTOR	cg03641032	rs56960771	T	C	0.181	0.025	0.310	8.09E-13	-0.005	0.018	0.773	0.014	51.233	TRUE	2.71E-12
COPD in never smokers	RPTOR	cg03641032	rs62068550	A	G	-0.691	0.034	0.143	9.41E-93	-0.025	0.025	0.311	0.101	417.081	TRUE	1.42E-85
COPD in never smokers	RPTOR	cg03641032	rs74004829	C	T	0.401	0.043	0.092	1.99E-20	-0.046	0.029	0.116	0.023	85.758	TRUE	1.03E-18
COPD in never smokers	RPTOR	cg03641032	rs868432	A	G	0.773	0.020	0.444	<1E-200	0.012	0.017	0.484	0.281	1443.188	TRUE	3.61E-272
COPD in never smokers	RPTOR	cg03641032	rs9897319	A	G	0.377	0.025	0.354	3.13E-52	-0.023	0.017	0.189	0.059	231.158	TRUE	2.17E-48
COPD in never smokers	RPTOR	cg03641032	rs9897437	C	A	-0.627	0.033	0.131	1.98E-78	0.024	0.024	0.320	0.087	351.330	TRUE	1.09E-72
COPD in never smokers	RPTOR	cg03794617	rs11150745	G	A	-0.338	0.025	0.314	1.48E-41	-0.003	0.018	0.856	0.047	182.257	TRUE	1.27E-39
COPD in never smokers	RPTOR	cg03794617	rs11655574	A	G	0.153	0.025	0.361	1.00E-09	0.025	0.017	0.160	0.010	37.300	TRUE	7.63E-09
COPD in never smokers	RPTOR	cg03794617	rs28377011	C	T	-0.231	0.042	0.082	3.90E-08	-0.052	0.031	0.089	0.008	30.181	TRUE	2.97E-07
COPD in never smokers	RPTOR	cg03794617	rs4969424	A	C	0.518	0.037	0.117	1.19E-45	0.071	0.026	0.006	0.052	201.019	TRUE	6.15E-41
COPD in never smokers	RPTOR	cg03794617	rs62070202	T	C	-0.292	0.042	0.079	3.32E-12	-0.033	0.031	0.277	0.013	48.462	TRUE	2.61E-11
COPD in never smokers	RPTOR	cg03794617	rs7210110	A	G	-0.385	0.029	0.200	2.10E-39	-0.013	0.021	0.527	0.045	172.412	TRUE	3.51E-37
COPD in never smokers	RPTOR	cg03794617	rs8069320	C	A	-0.169	0.024	0.490	8.73E-13	-0.027	0.017	0.105	0.014	51.083	TRUE	1.38E-11
COPD in never smokers	RPTOR	cg03890538	rs11658452	G	A	0.318	0.027	0.244	4.17E-32	0.037	0.019	0.053	0.036	139.033	TRUE	2.91E-29
COPD in never smokers	RPTOR	cg03890538	rs34048269	A	G	0.213	0.030	0.205	6.71E-13	0.001	0.021	0.959	0.014	51.600	TRUE	1.70E-12
COPD in never smokers	RPTOR	cg04191427	rs11150746	G	A	0.239	0.025	0.332	5.44E-22	-0.012	0.017	0.474	0.024	92.872	TRUE	9.46E-21

COPD in never smokers	RPTOR	cg04295549	rs2340773	T	C	-0.355	0.037	0.116	3.64E-22	0.071	0.026	0.006	0.025	93.665	TRUE	1.54E-19
COPD in never smokers	RPTOR	cg04295549	rs62648832	G	A	-0.148	0.023	0.440	1.31E-10	0.023	0.017	0.161	0.011	41.273	TRUE	1.14E-09
COPD in never smokers	RPTOR	cg04658243	rs1128687	C	T	-0.138	0.024	0.420	4.36E-09	0.001	0.017	0.932	0.009	34.436	TRUE	8.31E-09
COPD in never smokers	RPTOR	cg04658243	rs11868966	C	A	1.049	0.028	0.167	<1E-200	0.004	0.022	0.842	0.280	1441.589	TRUE	3.52E-273
COPD in never smokers	RPTOR	cg04658243	rs13341621	A	G	0.377	0.050	0.080	4.66E-14	-0.007	0.032	0.837	0.015	56.839	TRUE	1.59E-13
COPD in never smokers	RPTOR	cg04658243	rs149099062	A	G	0.951	0.140	0.015	9.65E-12	-0.030	0.065	0.642	0.012	46.372	TRUE	3.55E-11
COPD in never smokers	RPTOR	cg04658243	rs55993113	G	A	0.156	0.028	0.219	2.67E-08	-0.004	0.020	0.862	0.008	30.916	TRUE	5.18E-08
COPD in never smokers	RPTOR	cg04658243	rs56273414	C	T	0.238	0.033	0.146	8.54E-13	0.002	0.024	0.938	0.014	51.127	TRUE	2.22E-12
COPD in never smokers	RPTOR	cg04658243	rs62067893	T	C	0.402	0.070	0.037	7.66E-09	-0.122	0.049	0.013	0.009	33.343	TRUE	1.37E-07
COPD in never smokers	RPTOR	cg04658243	rs62068487	A	G	-0.254	0.025	0.319	8.99E-24	-0.019	0.018	0.299	0.027	100.990	TRUE	3.35E-22
COPD in never smokers	RPTOR	cg04658243	rs7208823	G	A	0.163	0.028	0.247	3.66E-09	0.000	0.019	0.994	0.009	34.780	TRUE	6.48E-09
COPD in never smokers	RPTOR	cg04658243	rs7502321	C	T	0.147	0.024	0.386	9.53E-10	0.020	0.017	0.241	0.010	37.399	TRUE	5.77E-09
COPD in never smokers	RPTOR	cg04658243	rs7502841	A	G	0.380	0.027	0.232	5.45E-44	0.024	0.020	0.215	0.050	193.406	TRUE	7.21E-41
COPD in never smokers	RPTOR	cg04662369	rs111396639	A	G	-0.575	0.026	0.258	4.61E-109	0.003	0.020	0.873	0.117	491.986	TRUE	1.95E-101
COPD in never smokers	RPTOR	cg04662369	rs11150747	T	C	-0.331	0.027	0.249	3.22E-34	-0.015	0.019	0.430	0.039	148.692	TRUE	3.44E-32
COPD in never smokers	RPTOR	cg04662369	rs11651724	A	G	-0.466	0.037	0.117	7.94E-37	-0.030	0.026	0.257	0.042	160.617	TRUE	2.55E-34
COPD in never smokers	RPTOR	cg04662369	rs117209908	A	G	-0.530	0.050	0.059	5.47E-26	0.029	0.035	0.404	0.029	111.096	TRUE	1.97E-24
COPD in never smokers	RPTOR	cg04662369	rs118107399	T	C	1.294	0.148	0.014	1.96E-18	0.084	0.075	0.266	0.020	76.684	TRUE	3.83E-17
COPD in never smokers	RPTOR	cg04662369	rs12949279	C	T	0.869	0.018	0.440	<1E-200	0.026	0.017	0.121	0.374	2211.170	TRUE	<1E-200
COPD in never smokers	RPTOR	cg04662369	rs146029097	C	A	-0.254	0.043	0.164	5.29E-09	-0.042	0.023	0.066	0.009	34.060	TRUE	5.39E-08
COPD in never smokers	RPTOR	cg04662369	rs2340772	C	A	1.156	0.034	0.117	4.08E-249	0.072	0.026	0.005	0.235	1135.772	TRUE	1.71E-214
COPD in never smokers	RPTOR	cg04662369	rs28364735	C	T	-0.242	0.025	0.280	1.55E-21	-0.007	0.018	0.712	0.024	90.798	TRUE	1.48E-20
COPD in never smokers	RPTOR	cg04662369	rs4426398	T	C	0.228	0.034	0.139	1.28E-11	0.015	0.024	0.524	0.012	45.818	TRUE	5.63E-11
COPD in never smokers	RPTOR	cg04662369	rs4453556	G	A	0.133	0.024	0.417	2.18E-08	0.021	0.017	0.215	0.008	31.311	TRUE	1.15E-07
COPD in never smokers	RPTOR	cg04662369	rs4969282	T	G	0.198	0.033	0.139	2.90E-09	0.015	0.024	0.515	0.009	35.232	TRUE	9.82E-09
COPD in never smokers	RPTOR	cg04662369	rs4969427	A	G	-0.325	0.031	0.179	3.13E-26	-0.022	0.022	0.334	0.029	112.203	TRUE	1.46E-24
COPD in never smokers	RPTOR	cg04662369	rs56111062	G	A	-0.344	0.024	0.379	4.48E-47	-0.048	0.017	0.004	0.053	207.536	TRUE	4.10E-42
COPD in never smokers	RPTOR	cg04662369	rs62067893	T	C	-0.666	0.069	0.037	6.76E-22	-0.122	0.049	0.013	0.024	92.441	TRUE	1.80E-19
COPD in never smokers	RPTOR	cg04662369	rs72858264	C	A	0.497	0.066	0.031	5.47E-14	0.059	0.050	0.233	0.015	56.521	TRUE	6.30E-13
COPD in never smokers	RPTOR	cg04789650	rs113059224	A	G	-0.273	0.043	0.070	2.52E-10	-0.030	0.027	0.268	0.011	39.994	TRUE	1.55E-09
COPD in never smokers	RPTOR	cg04789650	rs11548824	A	G	-0.247	0.034	0.154	1.81E-13	0.013	0.021	0.525	0.014	54.171	TRUE	9.87E-13
COPD in never smokers	RPTOR	cg04789650	rs117763980	T	C	-0.481	0.055	0.043	1.62E-18	-0.001	0.041	0.972	0.020	77.061	TRUE	6.77E-18
COPD in never smokers	RPTOR	cg04789650	rs139078473	A	G	-0.341	0.051	0.052	2.64E-11	0.054	0.035	0.125	0.012	44.407	TRUE	2.97E-10
COPD in never smokers	RPTOR	cg04789650	rs2004184	C	T	-0.401	0.026	0.265	4.39E-54	0.005	0.018	0.795	0.061	239.651	TRUE	3.05E-51
COPD in never smokers	RPTOR	cg04789650	rs34781048	A	G	-0.331	0.024	0.434	6.33E-44	-0.032	0.017	0.052	0.050	193.107	TRUE	3.97E-40
COPD in never smokers	RPTOR	cg04789650	rs4969300	A	G	0.593	0.035	0.120	7.28E-65	0.013	0.025	0.606	0.072	289.083	TRUE	6.57E-61
COPD in never smokers	RPTOR	cg04789650	rs55803650	A	C	-0.525	0.092	0.017	1.29E-08	-0.014	0.060	0.817	0.009	32.325	TRUE	2.72E-08
COPD in never smokers	RPTOR	cg04789650	rs56960771	T	C	-0.199	0.025	0.310	3.14E-15	-0.005	0.018	0.773	0.017	62.145	TRUE	1.34E-14
COPD in never smokers	RPTOR	cg04789650	rs67198902	G	T	-0.277	0.031	0.186	1.58E-19	0.019	0.021	0.362	0.022	81.666	TRUE	2.68E-18
COPD in never smokers	RPTOR	cg04789650	rs68130532	C	T	0.208	0.030	0.198	3.68E-12	-0.020	0.022	0.365	0.013	48.261	TRUE	2.34E-11
COPD in never smokers	RPTOR	cg04789650	rs7225241	T	C	-0.216	0.035	0.137	5.12E-10	-0.013	0.024	0.602	0.010	38.609	TRUE	1.66E-09
COPD in never smokers	RPTOR	cg04789650	rs72850576	A	C	0.226	0.033	0.155	5.05E-12	0.006	0.023	0.803	0.013	47.641	TRUE	1.49E-11

COPD in never smokers	RPTOR	cg04789650	rs7503237	G	A	0.852	0.020	0.449	<1E-200	0.000	0.017	0.978	0.340	1908.217	TRUE	<1E-200
COPD in never smokers	RPTOR	cg04789650	rs9903399	C	T	-0.312	0.041	0.222	1.45E-14	-0.007	0.020	0.740	0.016	59.137	TRUE	6.10E-14
COPD in never smokers	RPTOR	cg05064567	rs11656061	A	G	0.209	0.024	0.436	2.06E-18	-0.010	0.017	0.528	0.020	76.592	TRUE	2.01E-17
COPD in never smokers	RPTOR	cg05064567	rs12952861	A	G	-0.248	0.029	0.202	1.80E-17	0.019	0.021	0.354	0.019	72.315	TRUE	2.37E-16
COPD in never smokers	RPTOR	cg05064567	rs13341621	A	G	-0.326	0.050	0.080	6.74E-11	-0.007	0.032	0.837	0.011	42.569	TRUE	1.71E-10
COPD in never smokers	RPTOR	cg05064567	rs2289766	G	A	-0.904	0.030	0.167	4.19E-196	0.005	0.022	0.835	0.194	892.018	TRUE	1.16E-176
COPD in never smokers	RPTOR	cg05064567	rs6565489	A	C	-0.204	0.024	0.455	4.86E-18	0.009	0.016	0.589	0.020	74.896	TRUE	3.99E-17
COPD in never smokers	RPTOR	cg05064567	rs9912092	G	A	-0.222	0.023	0.499	7.63E-22	-0.018	0.017	0.279	0.024	92.201	TRUE	2.31E-20
COPD in never smokers	RPTOR	cg05098037	rs11150745	G	A	-0.281	0.025	0.314	7.03E-29	-0.003	0.018	0.856	0.033	124.293	TRUE	1.15E-27
COPD in never smokers	RPTOR	cg05098037	rs11655574	A	G	0.172	0.025	0.361	6.74E-12	0.025	0.017	0.160	0.013	47.075	TRUE	7.25E-11
COPD in never smokers	RPTOR	cg05098037	rs118107399	T	C	0.937	0.149	0.014	2.83E-10	0.084	0.075	0.266	0.011	39.764	TRUE	1.74E-09
COPD in never smokers	RPTOR	cg05098037	rs12940318	T	C	-0.214	0.024	0.431	1.87E-19	-0.040	0.017	0.016	0.022	81.323	TRUE	2.73E-17
COPD in never smokers	RPTOR	cg05098037	rs28872794	C	T	-0.191	0.024	0.493	3.96E-16	-0.025	0.016	0.124	0.018	66.219	TRUE	9.80E-15
COPD in never smokers	RPTOR	cg05098037	rs35926934	A	G	0.882	0.036	0.117	1.62E-135	0.072	0.026	0.005	0.142	613.522	TRUE	2.74E-120
COPD in never smokers	RPTOR	cg05098037	rs62070202	T	C	-0.257	0.042	0.079	9.38E-10	-0.033	0.031	0.277	0.010	37.430	TRUE	5.22E-09
COPD in never smokers	RPTOR	cg05098037	rs734338	A	G	-0.187	0.023	0.497	1.34E-15	-0.004	0.017	0.806	0.017	63.817	TRUE	5.63E-15
COPD in never smokers	RPTOR	cg05337636	rs10468603	C	T	-0.268	0.024	0.413	2.45E-29	0.030	0.017	0.078	0.033	126.378	TRUE	7.64E-27
COPD in never smokers	RPTOR	cg05337636	rs11150746	G	A	-0.164	0.025	0.332	3.86E-11	-0.012	0.017	0.474	0.012	43.659	TRUE	1.75E-10
COPD in never smokers	RPTOR	cg05337636	rs12948054	T	C	0.240	0.040	0.091	1.37E-09	0.023	0.027	0.384	0.010	36.695	TRUE	5.99E-09
COPD in never smokers	RPTOR	cg05337636	rs4969429	A	G	-0.190	0.026	0.273	5.76E-13	0.051	0.019	0.006	0.014	51.899	TRUE	3.46E-11
COPD in never smokers	RPTOR	cg05395366	rs2271607	C	T	0.417	0.029	0.220	4.17E-48	0.008	0.020	0.705	0.054	212.258	TRUE	1.49E-45
COPD in never smokers	RPTOR	cg05395366	rs7220687	C	T	0.143	0.026	0.289	3.77E-08	0.033	0.018	0.072	0.008	30.249	TRUE	3.14E-07
COPD in never smokers	RPTOR	cg05548508	rs4969277	T	C	0.250	0.030	0.184	1.61E-16	-0.013	0.022	0.561	0.018	67.991	TRUE	1.17E-15
COPD in never smokers	RPTOR	cg05651511	rs117429647	G	A	-0.369	0.061	0.039	1.41E-09	0.022	0.042	0.601	0.010	36.634	TRUE	4.36E-09
COPD in never smokers	RPTOR	cg05651511	rs12942109	G	A	0.237	0.024	0.417	7.45E-24	0.043	0.017	0.009	0.027	101.363	TRUE	3.48E-21
COPD in never smokers	RPTOR	cg05651511	rs72858219	A	G	-0.218	0.029	0.212	1.93E-14	0.009	0.020	0.672	0.016	58.572	TRUE	9.01E-14
COPD in never smokers	RPTOR	cg05651511	rs8080789	A	G	0.360	0.037	0.118	7.36E-23	0.074	0.026	0.004	0.026	96.829	TRUE	4.37E-20
COPD in never smokers	RPTOR	cg05651511	rs9893680	G	T	-0.160	0.024	0.383	3.76E-11	-0.021	0.017	0.233	0.012	43.713	TRUE	2.86E-10
COPD in never smokers	RPTOR	cg05651511	rs9894401	A	G	-0.395	0.027	0.255	1.31E-48	-0.003	0.019	0.878	0.055	214.566	TRUE	2.95E-46
COPD in never smokers	RPTOR	cg05774614	rs111396639	A	G	0.161	0.027	0.258	1.88E-09	0.003	0.020	0.873	0.010	36.073	TRUE	3.98E-09
COPD in never smokers	RPTOR	cg05774614	rs1128687	C	T	-0.181	0.024	0.420	1.53E-14	0.001	0.017	0.932	0.016	59.027	TRUE	4.70E-14
COPD in never smokers	RPTOR	cg05774614	rs113714895	T	C	-0.270	0.043	0.080	2.67E-10	0.014	0.027	0.604	0.011	39.880	TRUE	8.90E-10
COPD in never smokers	RPTOR	cg05774614	rs11653179	A	G	0.169	0.031	0.174	3.72E-08	-0.003	0.022	0.898	0.008	30.273	TRUE	6.83E-08
COPD in never smokers	RPTOR	cg05774614	rs11656246	A	G	-0.446	0.026	0.241	4.04E-64	0.004	0.019	0.822	0.072	285.669	TRUE	1.43E-60
COPD in never smokers	RPTOR	cg05774614	rs12948647	A	G	0.306	0.046	0.125	2.09E-11	-0.021	0.025	0.406	0.012	44.864	TRUE	1.11E-10
COPD in never smokers	RPTOR	cg05774614	rs12952861	A	G	0.407	0.029	0.202	5.30E-45	0.019	0.021	0.354	0.051	198.040	TRUE	4.11E-42
COPD in never smokers	RPTOR	cg05774614	rs13341621	A	G	0.471	0.050	0.080	3.11E-21	-0.007	0.032	0.837	0.024	89.422	TRUE	2.22E-20
COPD in never smokers	RPTOR	cg05774614	rs149099062	A	G	1.173	0.139	0.015	3.43E-17	-0.030	0.065	0.642	0.019	71.043	TRUE	2.29E-16
COPD in never smokers	RPTOR	cg05774614	rs2289764	C	T	0.960	0.024	0.241	<1E-200	0.001	0.020	0.940	0.310	1660.882	TRUE	<1E-200
COPD in never smokers	RPTOR	cg05774614	rs56068957	C	A	0.142	0.024	0.470	1.84E-09	0.006	0.017	0.738	0.010	36.116	TRUE	4.65E-09
COPD in never smokers	RPTOR	cg05774614	rs56273414	C	T	0.256	0.033	0.146	1.33E-14	0.002	0.024	0.938	0.016	59.297	TRUE	4.08E-14
COPD in never smokers	RPTOR	cg05774614	rs62068550	A	G	-0.256	0.035	0.143	1.37E-13	-0.025	0.025	0.311	0.015	54.724	TRUE	1.19E-12

COPD in never smokers	RPTOR	cg05774614	rs72853711	C	T	0.244	0.037	0.115	3.38E-11	-0.049	0.027	0.068	0.012	43.919	TRUE	5.08E-10
COPD in never smokers	RPTOR	cg05774614	rs7502321	C	T	0.191	0.024	0.386	2.15E-15	0.020	0.017	0.241	0.017	62.886	TRUE	2.95E-14
COPD in never smokers	RPTOR	cg05774614	rs75856682	T	C	0.539	0.085	0.044	2.75E-10	-0.015	0.040	0.711	0.011	39.825	TRUE	7.82E-10
COPD in never smokers	RPTOR	cg05774614	rs8073904	G	A	0.187	0.033	0.141	1.92E-08	0.030	0.024	0.224	0.008	31.557	TRUE	9.95E-08
COPD in never smokers	RPTOR	cg05774614	rs9897319	A	G	-0.190	0.025	0.354	4.06E-14	-0.023	0.017	0.189	0.015	57.108	TRUE	5.53E-13
COPD in never smokers	RPTOR	cg06153925	rs114101526	T	C	-0.263	0.042	0.085	5.37E-10	-0.024	0.031	0.445	0.010	38.517	TRUE	2.22E-09
COPD in never smokers	RPTOR	cg06153925	rs118107399	T	C	1.323	0.148	0.014	3.16E-19	0.084	0.075	0.266	0.021	80.291	TRUE	6.90E-18
COPD in never smokers	RPTOR	cg06153925	rs11869626	C	A	0.161	0.023	0.476	5.68E-12	0.024	0.017	0.153	0.013	47.413	TRUE	6.33E-11
COPD in never smokers	RPTOR	cg06153925	rs2004184	C	T	-0.157	0.026	0.265	2.17E-09	0.005	0.018	0.795	0.010	35.796	TRUE	5.05E-09
COPD in never smokers	RPTOR	cg06153925	rs2672901	T	C	0.380	0.024	0.353	2.88E-55	0.002	0.017	0.892	0.062	245.074	TRUE	1.77E-52
COPD in never smokers	RPTOR	cg06153925	rs72853745	T	C	-0.357	0.036	0.118	3.69E-23	-0.016	0.026	0.533	0.026	98.193	TRUE	6.43E-22
COPD in never smokers	RPTOR	cg06153925	rs72855137	A	G	-0.182	0.029	0.197	5.75E-10	-0.027	0.021	0.205	0.010	38.385	TRUE	3.96E-09
COPD in never smokers	RPTOR	cg06153925	rs72858219	A	G	-0.306	0.028	0.212	5.82E-27	0.009	0.020	0.672	0.030	115.534	TRUE	1.17E-25
COPD in never smokers	RPTOR	cg06153925	rs72859613	T	C	0.517	0.073	0.020	1.52E-12	0.077	0.053	0.152	0.013	49.991	TRUE	1.87E-11
COPD in never smokers	RPTOR	cg06153925	rs76584516	G	A	1.207	0.032	0.118	<1E-200	0.073	0.026	0.005	0.277	1416.642	TRUE	2.72E-262
COPD in never smokers	RPTOR	cg06153925	rs8069962	G	A	0.148	0.023	0.471	2.27E-10	0.010	0.016	0.559	0.011	40.198	TRUE	8.16E-10
COPD in never smokers	RPTOR	cg06153925	rs9894401	A	G	-0.465	0.027	0.255	1.46E-67	-0.003	0.019	0.878	0.075	301.459	TRUE	7.88E-64
COPD in never smokers	RPTOR	cg06153925	rs9895714	C	A	0.360	0.023	0.426	3.31E-55	0.037	0.017	0.024	0.062	244.799	TRUE	4.26E-50
COPD in never smokers	RPTOR	cg06154633	rs11653319	T	C	-0.150	0.027	0.291	3.47E-08	-0.006	0.019	0.755	0.008	30.408	TRUE	7.58E-08
COPD in never smokers	RPTOR	cg06154633	rs12944674	A	G	-0.226	0.025	0.326	7.60E-20	-0.008	0.017	0.637	0.022	83.106	TRUE	6.98E-19
COPD in never smokers	RPTOR	cg06154633	rs2589129	A	G	-0.381	0.023	0.487	2.43E-62	0.020	0.017	0.218	0.070	277.507	TRUE	9.50E-58
COPD in never smokers	RPTOR	cg06154633	rs7222906	C	T	0.215	0.029	0.202	1.82E-13	-0.001	0.021	0.973	0.014	54.166	TRUE	4.75E-13
COPD in never smokers	RPTOR	cg06154633	rs77183052	A	G	-1.207	0.170	0.012	1.07E-12	0.014	0.076	0.856	0.014	50.687	TRUE	3.11E-12
COPD in never smokers	RPTOR	cg06154633	rs9897319	A	G	-0.145	0.025	0.354	7.92E-09	-0.023	0.017	0.189	0.009	33.277	TRUE	4.78E-08
COPD in never smokers	RPTOR	cg06343673	rs112172082	G	A	0.258	0.024	0.492	5.59E-28	-0.014	0.017	0.425	0.031	120.179	TRUE	2.49E-26
COPD in never smokers	RPTOR	cg06343673	rs12943620	T	G	0.163	0.027	0.225	2.28E-09	-0.018	0.020	0.357	0.010	35.700	TRUE	1.02E-08
COPD in never smokers	RPTOR	cg06343673	rs2090204	T	G	0.250	0.033	0.132	3.97E-14	0.021	0.023	0.372	0.015	57.154	TRUE	3.21E-13
COPD in never smokers	RPTOR	cg06343673	rs35327093	T	C	0.214	0.029	0.209	2.04E-13	0.033	0.020	0.101	0.014	53.937	TRUE	3.68E-12
COPD in never smokers	RPTOR	cg06343673	rs4889856	C	T	-0.260	0.023	0.435	6.51E-29	-0.024	0.017	0.153	0.033	124.446	TRUE	1.03E-26
COPD in never smokers	RPTOR	cg06343673	rs546161523	T	C	-0.734	0.079	0.036	1.98E-20	0.086	0.043	0.047	0.023	85.761	TRUE	1.89E-18
COPD in never smokers	RPTOR	cg06343673	rs61735242	T	C	-0.399	0.039	0.103	1.22E-24	0.056	0.026	0.033	0.028	104.938	TRUE	3.11E-22
COPD in never smokers	RPTOR	cg06343673	rs72849959	C	A	-0.819	0.059	0.044	7.30E-44	-0.045	0.040	0.262	0.050	192.825	TRUE	7.27E-41
COPD in never smokers	RPTOR	cg06343673	rs72853728	C	T	-0.260	0.034	0.144	8.28E-15	-0.006	0.024	0.803	0.016	60.234	TRUE	3.22E-14
COPD in never smokers	RPTOR	cg06412669	rs11150746	G	A	0.196	0.025	0.332	3.07E-15	-0.012	0.017	0.474	0.017	62.190	TRUE	2.29E-14
COPD in never smokers	RPTOR	cg06412669	rs4969425	A	G	-0.278	0.025	0.320	2.13E-28	-0.027	0.018	0.125	0.032	122.095	TRUE	3.77E-26
COPD in never smokers	RPTOR	cg06418238	rs114177791	T	G	-0.333	0.028	0.215	7.55E-32	0.012	0.020	0.538	0.036	137.855	TRUE	4.11E-30
COPD in never smokers	RPTOR	cg06418238	rs117117100	A	G	-0.425	0.076	0.024	1.76E-08	-0.085	0.052	0.103	0.009	31.730	TRUE	1.34E-07
COPD in never smokers	RPTOR	cg06418238	rs117209908	A	G	-0.407	0.050	0.059	6.64E-16	0.029	0.035	0.404	0.017	65.202	TRUE	6.28E-15
COPD in never smokers	RPTOR	cg06418238	rs118107399	T	C	1.423	0.147	0.014	4.69E-22	0.084	0.075	0.266	0.025	93.163	TRUE	1.54E-20
COPD in never smokers	RPTOR	cg06418238	rs11869626	C	A	0.180	0.023	0.476	1.51E-14	0.024	0.017	0.153	0.016	59.050	TRUE	2.53E-13
COPD in never smokers	RPTOR	cg06418238	rs2672901	T	C	0.423	0.024	0.353	1.22E-68	0.002	0.017	0.892	0.076	306.412	TRUE	7.60E-65
COPD in never smokers	RPTOR	cg06418238	rs4561525	A	G	-0.162	0.030	0.192	4.44E-08	-0.030	0.021	0.153	0.008	29.931	TRUE	2.63E-07

COPD in never smokers	RPTOR	cg06418238	rs60513142	A	G	-0.516	0.027	0.249	2.92E-82	-0.001	0.019	0.965	0.091	368.911	TRUE	1.95E-77
COPD in never smokers	RPTOR	cg06418238	rs72853719	T	C	-0.279	0.042	0.090	2.69E-11	-0.025	0.031	0.420	0.012	44.369	TRUE	1.37E-10
COPD in never smokers	RPTOR	cg06418238	rs72856013	A	G	-0.347	0.036	0.120	4.06E-22	-0.015	0.026	0.567	0.025	93.449	TRUE	5.72E-21
COPD in never smokers	RPTOR	cg06418238	rs72859613	T	C	0.515	0.073	0.020	1.79E-12	0.077	0.053	0.152	0.013	49.674	TRUE	2.18E-11
COPD in never smokers	RPTOR	cg06418238	rs76584516	G	A	1.319	0.031	0.118	<1E-200	0.073	0.026	0.005	0.327	1796.694	TRUE	<1E-200
COPD in never smokers	RPTOR	cg06418238	rs8069962	G	A	0.209	0.023	0.471	1.99E-19	0.010	0.016	0.559	0.021	81.209	TRUE	2.05E-18
COPD in never smokers	RPTOR	cg06418238	rs9895714	C	A	0.383	0.023	0.426	8.58E-63	0.037	0.017	0.024	0.070	279.584	TRUE	5.69E-57
COPD in never smokers	RPTOR	cg06443231	rs1471791	A	G	-0.218	0.029	0.199	7.59E-14	0.038	0.021	0.069	0.015	55.878	TRUE	1.82E-12
COPD in never smokers	RPTOR	cg06469955	rs11150762	T	C	-0.240	0.031	0.166	9.34E-15	0.041	0.022	0.064	0.016	59.999	TRUE	2.73E-13
COPD in never smokers	RPTOR	cg06469955	rs1137045	G	A	-0.142	0.023	0.472	7.53E-10	0.008	0.017	0.629	0.010	37.857	TRUE	2.30E-09
COPD in never smokers	RPTOR	cg06469955	rs4969303	A	G	-1.063	0.030	0.132	3.05E-273	0.022	0.024	0.359	0.252	1246.728	TRUE	4.38E-238
COPD in never smokers	RPTOR	cg06469955	rs72857988	T	C	-0.403	0.050	0.050	8.41E-16	-0.009	0.035	0.799	0.017	64.737	TRUE	3.64E-15
COPD in never smokers	RPTOR	cg06469955	rs868432	A	G	0.331	0.023	0.444	2.37E-46	0.012	0.017	0.484	0.052	204.219	TRUE	1.36E-43
COPD in never smokers	RPTOR	cg06469955	rs9897841	C	T	0.220	0.024	0.498	1.93E-20	-0.035	0.017	0.032	0.023	85.815	TRUE	2.33E-18
COPD in never smokers	RPTOR	cg06617879	rs2289762	A	G	0.357	0.026	0.245	1.47E-41	0.005	0.019	0.785	0.047	182.280	TRUE	1.54E-39
COPD in never smokers	RPTOR	cg06617879	rs868432	A	G	0.139	0.023	0.444	2.00E-09	0.012	0.017	0.484	0.010	35.959	TRUE	7.23E-09
COPD in never smokers	RPTOR	cg06673969	rs117429647	G	A	-0.668	0.060	0.039	6.74E-29	0.022	0.042	0.601	0.033	124.377	TRUE	2.07E-27
COPD in never smokers	RPTOR	cg06872548	rs114177791	T	G	-0.373	0.028	0.215	9.24E-40	0.012	0.020	0.538	0.045	174.044	TRUE	1.57E-37
COPD in never smokers	RPTOR	cg06872548	rs11651724	A	G	-0.366	0.037	0.117	3.10E-23	-0.030	0.026	0.257	0.026	98.541	TRUE	1.25E-21
COPD in never smokers	RPTOR	cg06872548	rs118099953	T	C	-0.829	0.063	0.036	9.42E-40	0.033	0.041	0.426	0.045	174.004	TRUE	2.36E-37
COPD in never smokers	RPTOR	cg06872548	rs118107399	T	C	1.287	0.148	0.014	2.97E-18	0.084	0.075	0.266	0.020	75.872	TRUE	5.64E-17
COPD in never smokers	RPTOR	cg06872548	rs12945810	T	C	0.313	0.024	0.413	1.72E-40	0.045	0.017	0.007	0.046	177.383	TRUE	2.89E-36
COPD in never smokers	RPTOR	cg06872548	rs35904260	G	A	0.296	0.023	0.445	6.37E-37	0.001	0.017	0.965	0.042	161.054	TRUE	2.17E-35
COPD in never smokers	RPTOR	cg06872548	rs62067876	A	G	0.276	0.042	0.086	4.22E-11	-0.028	0.030	0.344	0.012	43.486	TRUE	2.44E-10
COPD in never smokers	RPTOR	cg06872548	rs62067893	T	C	-0.577	0.069	0.037	9.31E-17	-0.122	0.049	0.013	0.018	69.073	TRUE	8.96E-15
COPD in never smokers	RPTOR	cg06872548	rs7217825	C	T	1.116	0.034	0.119	3.00E-232	0.073	0.026	0.004	0.222	1058.212	TRUE	8.38E-201
COPD in never smokers	RPTOR	cg06872548	rs72856013	A	G	-0.368	0.036	0.120	9.72E-25	-0.015	0.026	0.567	0.028	105.395	TRUE	1.90E-23
COPD in never smokers	RPTOR	cg06908052	rs12951596	T	C	-0.367	0.033	0.134	5.05E-29	0.030	0.024	0.204	0.033	124.948	TRUE	6.12E-27
COPD in never smokers	RPTOR	cg06975080	rs11150741	G	A	0.299	0.025	0.366	2.67E-34	0.031	0.017	0.070	0.039	149.060	TRUE	2.17E-31
COPD in never smokers	RPTOR	cg06975080	rs1131609	A	G	0.158	0.027	0.243	3.17E-09	-0.023	0.019	0.239	0.009	35.058	TRUE	1.79E-08
COPD in never smokers	RPTOR	cg06975080	rs117559611	C	T	0.260	0.030	0.194	2.41E-18	0.036	0.021	0.087	0.020	76.282	TRUE	1.08E-16
COPD in never smokers	RPTOR	cg06975080	rs567883407	G	A	0.642	0.110	0.018	5.91E-09	0.140	0.058	0.015	0.009	33.847	TRUE	1.02E-07
COPD in never smokers	RPTOR	cg06975080	rs57678654	T	C	0.165	0.024	0.380	6.99E-12	-0.010	0.017	0.564	0.013	47.006	TRUE	2.96E-11
COPD in never smokers	RPTOR	cg06975080	rs61391154	T	G	-0.526	0.024	0.340	1.20E-106	-0.038	0.017	0.026	0.115	480.896	TRUE	3.87E-96
COPD in never smokers	RPTOR	cg06975080	rs7207154	C	T	0.292	0.052	0.131	1.68E-08	0.029	0.025	0.237	0.009	31.820	TRUE	8.51E-08
COPD in never smokers	RPTOR	cg06975080	rs76315174	G	A	-0.399	0.062	0.054	9.72E-11	-0.009	0.036	0.808	0.011	41.854	TRUE	2.52E-10
COPD in never smokers	RPTOR	cg07078467	rs7215994	G	A	-0.153	0.024	0.333	3.97E-10	-0.007	0.017	0.670	0.010	39.107	TRUE	1.18E-09
COPD in never smokers	RPTOR	cg07081946	rs3751940	T	C	0.204	0.024	0.391	2.04E-17	-0.022	0.017	0.195	0.019	72.062	TRUE	4.46E-16
COPD in never smokers	RPTOR	cg07126783	rs114177791	T	G	0.179	0.029	0.215	3.75E-10	0.012	0.020	0.538	0.010	39.219	TRUE	1.36E-09
COPD in never smokers	RPTOR	cg07126783	rs67583258	T	C	0.276	0.027	0.249	6.61E-24	-0.002	0.019	0.926	0.027	101.599	TRUE	5.26E-23
COPD in never smokers	RPTOR	cg07126783	rs7217174	T	C	-0.252	0.029	0.201	1.21E-17	-0.012	0.021	0.564	0.019	73.101	TRUE	9.97E-17
COPD in never smokers	RPTOR	cg07126783	rs72853774	G	T	0.189	0.034	0.138	2.89E-08	0.000	0.025	0.996	0.008	30.764	TRUE	4.77E-08

COPD in never smokers	RPTOR	cg07126783	rs75747760	T	C	-0.349	0.041	0.088	3.41E-17	-0.030	0.030	0.308	0.019	71.051	TRUE	4.91E-16
COPD in never smokers	RPTOR	cg07434008	rs35612742	C	A	-0.195	0.028	0.225	4.46E-12	0.014	0.020	0.485	0.013	47.885	TRUE	2.22E-11
COPD in never smokers	RPTOR	cg07434008	rs3751938	C	T	0.189	0.025	0.326	4.65E-14	0.001	0.018	0.946	0.015	56.841	TRUE	1.34E-13
COPD in never smokers	RPTOR	cg07434008	rs62068550	A	G	0.238	0.034	0.143	2.97E-12	-0.025	0.025	0.311	0.013	48.679	TRUE	2.17E-11
COPD in never smokers	RPTOR	cg07434008	rs6565484	C	T	-0.415	0.022	0.485	3.71E-77	0.016	0.016	0.317	0.085	345.486	TRUE	1.59E-71
COPD in never smokers	RPTOR	cg07786220	rs118107399	T	C	0.892	0.149	0.014	1.96E-09	0.084	0.075	0.266	0.010	35.991	TRUE	1.07E-08
COPD in never smokers	RPTOR	cg07786220	rs146082177	A	G	0.447	0.082	0.023	4.97E-08	-0.085	0.060	0.154	0.008	29.713	TRUE	2.91E-07
COPD in never smokers	RPTOR	cg07786220	rs1471791	A	G	0.692	0.029	0.199	1.87E-129	0.038	0.021	0.069	0.137	585.669	TRUE	1.01E-116
COPD in never smokers	RPTOR	cg07786220	rs147459147	G	T	0.302	0.024	0.486	8.08E-38	-0.005	0.017	0.747	0.043	165.157	TRUE	5.57E-36
COPD in never smokers	RPTOR	cg07786220	rs4969429	A	G	0.204	0.026	0.273	1.12E-14	0.051	0.019	0.006	0.016	59.636	TRUE	9.84E-13
COPD in never smokers	RPTOR	cg07786220	rs55735336	T	C	-0.216	0.037	0.114	5.68E-09	0.022	0.027	0.401	0.009	33.923	TRUE	2.23E-08
COPD in never smokers	RPTOR	cg07786220	rs62067893	T	C	-0.397	0.070	0.037	1.21E-08	-0.122	0.049	0.013	0.009	32.450	TRUE	2.07E-07
COPD in never smokers	RPTOR	cg07786220	rs62069404	T	C	0.355	0.055	0.051	1.18E-10	-0.007	0.038	0.846	0.011	41.467	TRUE	2.90E-10
COPD in never smokers	RPTOR	cg07786220	rs7207843	C	T	-0.220	0.029	0.204	6.08E-14	0.003	0.021	0.875	0.015	56.314	TRUE	1.93E-13
COPD in never smokers	RPTOR	cg07786220	rs74003912	A	G	0.190	0.030	0.199	1.54E-10	0.052	0.021	0.012	0.011	40.952	TRUE	4.09E-09
COPD in never smokers	RPTOR	cg07786220	rs9894401	A	G	-0.303	0.027	0.255	8.17E-29	-0.003	0.019	0.878	0.032	123.993	TRUE	1.26E-27
COPD in never smokers	RPTOR	cg08314949	rs113714895	T	C	0.290	0.043	0.080	1.19E-11	0.014	0.027	0.604	0.012	45.968	TRUE	4.59E-11
COPD in never smokers	RPTOR	cg08314949	rs118120008	A	G	-0.578	0.104	0.013	2.78E-08	-0.005	0.069	0.943	0.008	30.835	TRUE	4.90E-08
COPD in never smokers	RPTOR	cg08314949	rs142546211	A	G	-0.756	0.109	0.019	3.24E-12	-0.058	0.056	0.303	0.013	48.513	TRUE	2.39E-11
COPD in never smokers	RPTOR	cg08314949	rs183036865	A	G	0.495	0.056	0.041	1.48E-18	-0.013	0.041	0.756	0.020	77.249	TRUE	9.23E-18
COPD in never smokers	RPTOR	cg08314949	rs183706698	C	T	0.777	0.026	0.218	8.95E-193	0.004	0.019	0.838	0.192	876.710	TRUE	7.12E-174
COPD in never smokers	RPTOR	cg08314949	rs2289764	C	T	-0.261	0.027	0.241	2.28E-21	0.001	0.020	0.940	0.024	90.040	TRUE	1.35E-20
COPD in never smokers	RPTOR	cg08314949	rs35343630	A	G	-0.410	0.025	0.300	2.92E-59	0.030	0.018	0.098	0.066	263.386	TRUE	1.88E-54
COPD in never smokers	RPTOR	cg08314949	rs4969219	G	T	-0.134	0.024	0.388	3.07E-08	-0.010	0.017	0.566	0.008	30.647	TRUE	8.59E-08
COPD in never smokers	RPTOR	cg08314949	rs62075432	A	G	-0.154	0.027	0.261	1.44E-08	0.030	0.019	0.125	0.009	32.116	TRUE	1.02E-07
COPD in never smokers	RPTOR	cg08314949	rs72850524	T	C	0.484	0.064	0.037	3.26E-14	-0.017	0.042	0.692	0.015	57.539	TRUE	1.44E-13
COPD in never smokers	RPTOR	cg08314949	rs72859646	T	C	-0.889	0.068	0.026	2.55E-39	0.051	0.049	0.296	0.044	172.025	TRUE	1.01E-36
COPD in never smokers	RPTOR	cg08314949	rs76300060	G	A	-0.272	0.047	0.065	1.04E-08	-0.054	0.034	0.108	0.009	32.744	TRUE	8.11E-08
COPD in never smokers	RPTOR	cg08314949	rs9905501	T	C	0.257	0.025	0.341	4.45E-25	0.006	0.018	0.738	0.028	106.942	TRUE	6.08E-24
COPD in never smokers	RPTOR	cg08329754	rs11150745	G	A	-0.324	0.025	0.314	4.06E-38	-0.003	0.018	0.856	0.043	166.524	TRUE	2.16E-36
COPD in never smokers	RPTOR	cg08329754	rs12943620	T	G	-0.178	0.027	0.225	5.13E-11	-0.018	0.020	0.357	0.012	43.105	TRUE	2.85E-10
COPD in never smokers	RPTOR	cg08329754	rs7210110	A	G	-0.357	0.029	0.200	4.54E-34	-0.013	0.021	0.527	0.038	148.005	TRUE	3.49E-32
COPD in never smokers	RPTOR	cg08329754	rs77420162	A	G	-0.352	0.062	0.040	1.50E-08	-0.009	0.040	0.828	0.009	32.031	TRUE	3.11E-08
COPD in never smokers	RPTOR	cg08329754	rs80146578	T	C	-0.149	0.024	0.425	4.26E-10	0.010	0.018	0.581	0.010	38.968	TRUE	1.44E-09
COPD in never smokers	RPTOR	cg08329754	rs8080789	A	G	0.532	0.036	0.118	1.55E-48	0.074	0.026	0.004	0.055	214.226	TRUE	2.13E-43
COPD in never smokers	RPTOR	cg08454507	rs11651724	A	G	-0.317	0.037	0.117	9.32E-18	-0.030	0.026	0.257	0.020	73.612	TRUE	1.70E-16
COPD in never smokers	RPTOR	cg08454507	rs117209908	A	G	-0.467	0.050	0.059	1.68E-20	0.029	0.035	0.404	0.023	86.086	TRUE	2.89E-19
COPD in never smokers	RPTOR	cg08454507	rs117620031	C	T	-0.558	0.101	0.014	3.85E-08	0.086	0.059	0.150	0.008	30.209	TRUE	2.33E-07
COPD in never smokers	RPTOR	cg08454507	rs118107399	T	C	1.290	0.148	0.014	2.51E-18	0.084	0.075	0.266	0.020	76.200	TRUE	4.82E-17
COPD in never smokers	RPTOR	cg08454507	rs11869626	C	A	0.151	0.023	0.476	1.01E-10	0.024	0.017	0.153	0.011	41.776	TRUE	9.25E-10
COPD in never smokers	RPTOR	cg08454507	rs12945810	T	C	0.373	0.023	0.413	2.48E-57	0.045	0.017	0.007	0.064	254.542	TRUE	1.58E-51
COPD in never smokers	RPTOR	cg08454507	rs2004184	C	T	-0.162	0.026	0.265	6.71E-10	0.005	0.018	0.795	0.010	38.082	TRUE	1.64E-09

COPD in never smokers	RPTOR	cg08454507	rs35904260	G	A	0.297	0.023	0.445	3.10E-37	0.001	0.017	0.965	0.042	162.482	TRUE	1.10E-35
COPD in never smokers	RPTOR	cg08454507	rs62067893	T	C	-0.572	0.069	0.037	1.63E-16	-0.122	0.049	0.013	0.018	67.973	TRUE	1.49E-14
COPD in never smokers	RPTOR	cg08454507	rs72856013	A	G	-0.403	0.036	0.120	1.96E-29	-0.015	0.026	0.567	0.033	126.827	TRUE	7.07E-28
COPD in never smokers	RPTOR	cg08454507	rs72858219	A	G	-0.379	0.028	0.212	1.13E-40	0.009	0.020	0.672	0.046	178.221	TRUE	1.45E-38
COPD in never smokers	RPTOR	cg08454507	rs8080789	A	G	1.021	0.035	0.118	9.62E-190	0.074	0.026	0.004	0.189	862.774	TRUE	6.05E-166
COPD in never smokers	RPTOR	cg08454507	rs9911979	A	G	-0.695	0.026	0.249	8.73E-155	-0.001	0.019	0.963	0.160	702.079	TRUE	8.67E-142
COPD in never smokers	RPTOR	cg08939850	rs111396639	A	G	0.227	0.027	0.258	1.82E-17	0.003	0.020	0.873	0.019	72.288	TRUE	8.20E-17
COPD in never smokers	RPTOR	cg08939850	rs11150745	G	A	-0.255	0.025	0.314	4.99E-24	-0.003	0.018	0.856	0.027	102.156	TRUE	4.66E-23
COPD in never smokers	RPTOR	cg08939850	rs114177791	T	G	0.173	0.028	0.215	1.16E-09	0.012	0.020	0.538	0.010	37.016	TRUE	3.97E-09
COPD in never smokers	RPTOR	cg08939850	rs138464941	C	T	0.366	0.066	0.028	3.53E-08	-0.044	0.049	0.373	0.008	30.374	TRUE	1.31E-07
COPD in never smokers	RPTOR	cg08939850	rs4969429	A	G	0.160	0.026	0.273	1.42E-09	0.051	0.019	0.006	0.010	36.627	TRUE	3.88E-08
COPD in never smokers	RPTOR	cg08939850	rs62070202	T	C	-0.230	0.042	0.079	4.54E-08	-0.033	0.031	0.277	0.008	29.889	TRUE	1.98E-07
COPD in never smokers	RPTOR	cg08939850	rs7217174	T	C	-0.317	0.029	0.201	3.03E-27	-0.012	0.021	0.564	0.031	116.831	TRUE	8.25E-26
COPD in never smokers	RPTOR	cg09001356	rs11150745	G	A	-0.292	0.025	0.314	3.04E-31	-0.003	0.018	0.856	0.035	135.091	TRUE	6.65E-30
COPD in never smokers	RPTOR	cg09001356	rs35926934	A	G	0.364	0.037	0.117	3.88E-23	0.072	0.026	0.005	0.026	98.098	TRUE	2.19E-20
COPD in never smokers	RPTOR	cg09001356	rs62070202	T	C	-0.331	0.042	0.079	2.37E-15	-0.033	0.031	0.277	0.017	62.694	TRUE	2.90E-14
COPD in never smokers	RPTOR	cg09001356	rs7210110	A	G	-0.430	0.029	0.200	4.56E-49	-0.013	0.021	0.527	0.055	216.664	TRUE	3.48E-46
COPD in never smokers	RPTOR	cg09175325	rs35904260	G	A	0.138	0.023	0.445	3.90E-09	0.001	0.017	0.965	0.009	34.657	TRUE	7.15E-09
COPD in never smokers	RPTOR	cg09175325	rs62067239	T	C	-0.284	0.041	0.090	3.88E-12	-0.023	0.029	0.429	0.013	48.157	TRUE	2.16E-11
COPD in never smokers	RPTOR	cg09175325	rs7212125	G	A	0.241	0.037	0.120	4.58E-11	0.074	0.026	0.004	0.012	43.324	TRUE	2.08E-09
COPD in never smokers	RPTOR	cg09175325	rs9890487	G	T	0.131	0.024	0.405	3.77E-08	0.032	0.017	0.064	0.008	30.246	TRUE	3.31E-07
COPD in never smokers	RPTOR	cg09175325	rs9904611	A	G	-0.211	0.027	0.254	8.38E-15	-0.016	0.020	0.409	0.016	60.211	TRUE	6.81E-14
COPD in never smokers	RPTOR	cg09516200	rs10468603	C	T	0.198	0.024	0.413	1.70E-16	0.030	0.017	0.078	0.018	67.885	TRUE	6.00E-15
COPD in never smokers	RPTOR	cg09516200	rs11150746	G	A	0.218	0.025	0.332	2.16E-18	-0.012	0.017	0.474	0.020	76.495	TRUE	2.38E-17
COPD in never smokers	RPTOR	cg09516200	rs4072746	T	C	-0.236	0.038	0.115	6.28E-10	-0.035	0.027	0.196	0.010	38.211	TRUE	4.42E-09
COPD in never smokers	RPTOR	cg09516200	rs4516281	T	C	-0.375	0.044	0.076	1.88E-17	0.006	0.031	0.856	0.019	72.223	TRUE	8.74E-17
COPD in never smokers	RPTOR	cg09516200	rs4522458	T	C	-0.176	0.027	0.238	1.35E-10	-0.042	0.020	0.033	0.011	41.211	TRUE	2.50E-09
COPD in never smokers	RPTOR	cg09516200	rs4969404	T	C	-0.338	0.024	0.402	1.34E-45	-0.033	0.017	0.046	0.051	200.778	TRUE	1.32E-41
COPD in never smokers	RPTOR	cg09516200	rs7213432	G	A	-0.340	0.052	0.057	7.12E-11	-0.044	0.036	0.219	0.011	42.462	TRUE	5.40E-10
COPD in never smokers	RPTOR	cg09592546	rs118107399	T	C	-1.409	0.147	0.014	1.23E-21	0.084	0.075	0.266	0.024	91.257	TRUE	3.79E-20
COPD in never smokers	RPTOR	cg09592546	rs2672901	T	C	-0.390	0.024	0.353	3.15E-58	0.002	0.017	0.892	0.065	258.652	TRUE	3.15E-55
COPD in never smokers	RPTOR	cg09592546	rs4889782	C	T	-0.349	0.024	0.402	3.55E-47	0.008	0.017	0.634	0.053	207.998	TRUE	1.38E-44
COPD in never smokers	RPTOR	cg09592546	rs57677341	G	A	-1.126	0.030	0.137	<1E-200	0.069	0.024	0.004	0.278	1422.024	TRUE	4.21E-263
COPD in never smokers	RPTOR	cg09592546	rs72853757	C	T	0.208	0.033	0.146	3.72E-10	0.000	0.024	0.988	0.010	39.236	TRUE	7.19E-10
COPD in never smokers	RPTOR	cg09592546	rs74002861	C	A	0.262	0.043	0.078	1.54E-09	-0.010	0.031	0.742	0.010	36.462	TRUE	3.90E-09
COPD in never smokers	RPTOR	cg09592546	rs8069962	G	A	-0.320	0.023	0.471	6.24E-44	0.010	0.016	0.559	0.050	193.134	TRUE	1.87E-41
COPD in never smokers	RPTOR	cg09592546	rs8079537	G	A	-0.399	0.023	0.443	3.36E-67	0.024	0.017	0.140	0.075	299.800	TRUE	6.85E-62
COPD in never smokers	RPTOR	cg09596252	rs112401820	A	G	-0.451	0.069	0.065	4.48E-11	-0.010	0.034	0.758	0.012	43.369	TRUE	1.29E-10
COPD in never smokers	RPTOR	cg09596252	rs139980334	C	T	0.263	0.047	0.065	1.70E-08	0.004	0.042	0.927	0.009	31.798	TRUE	3.09E-08
COPD in never smokers	RPTOR	cg09596252	rs34713877	A	G	0.563	0.091	0.036	6.86E-10	0.028	0.044	0.515	0.010	38.040	TRUE	2.50E-09
COPD in never smokers	RPTOR	cg09596252	rs4890056	C	T	0.211	0.022	0.447	5.90E-21	0.027	0.017	0.107	0.023	88.156	TRUE	3.52E-19
COPD in never smokers	RPTOR	cg09794615	rs2271607	C	T	0.486	0.028	0.220	1.79E-65	0.008	0.020	0.705	0.073	291.882	TRUE	1.23E-61

COPD in never smokers	RPTOR	cg09794615	rs2340773	T	C	-0.229	0.037	0.116	8.92E-10	0.071	0.026	0.006	0.010	37.528	TRUE	2.55E-08
COPD in never smokers	RPTOR	cg09794615	rs55833830	A	C	-0.208	0.028	0.235	1.90E-13	0.003	0.020	0.885	0.014	54.081	TRUE	5.66E-13
COPD in never smokers	RPTOR	cg09794615	rs7502001	G	T	-0.295	0.034	0.132	5.37E-18	0.022	0.024	0.365	0.020	74.700	TRUE	7.37E-17
COPD in never smokers	RPTOR	cg09803959	rs11868966	C	A	1.035	0.028	0.167	1.73E-302	0.004	0.022	0.842	0.273	1385.829	TRUE	1.02E-263
COPD in never smokers	RPTOR	cg09803959	rs12603933	G	A	-0.136	0.024	0.467	8.70E-09	-0.005	0.016	0.748	0.009	33.095	TRUE	2.03E-08
COPD in never smokers	RPTOR	cg09803959	rs143673290	A	G	0.539	0.089	0.039	1.36E-09	0.045	0.044	0.299	0.010	36.700	TRUE	7.08E-09
COPD in never smokers	RPTOR	cg09803959	rs149099062	A	G	0.978	0.140	0.015	2.40E-12	-0.030	0.065	0.642	0.013	49.096	TRUE	9.42E-12
COPD in never smokers	RPTOR	cg09803959	rs56273414	C	T	0.213	0.033	0.146	1.40E-10	0.002	0.024	0.938	0.011	41.148	TRUE	2.99E-10
COPD in never smokers	RPTOR	cg09803959	rs62068487	A	G	-0.263	0.025	0.319	1.75E-25	-0.019	0.018	0.299	0.029	108.794	TRUE	8.33E-24
COPD in never smokers	RPTOR	cg09803959	rs7225916	G	T	0.157	0.026	0.272	2.95E-09	0.036	0.018	0.046	0.009	35.201	TRUE	3.65E-08
COPD in never smokers	RPTOR	cg09803959	rs72850551	A	G	0.448	0.065	0.036	7.28E-12	0.008	0.043	0.858	0.013	46.925	TRUE	1.95E-11
COPD in never smokers	RPTOR	cg09803959	rs7502841	A	G	0.321	0.027	0.232	1.03E-31	0.024	0.020	0.215	0.036	137.248	TRUE	1.79E-29
COPD in never smokers	RPTOR	cg09803959	rs77183052	A	G	0.941	0.170	0.012	3.18E-08	0.014	0.076	0.856	0.008	30.581	TRUE	6.17E-08
COPD in never smokers	RPTOR	cg09929238	rs138537551	T	C	-0.309	0.045	0.070	6.90E-12	-0.008	0.032	0.814	0.013	47.030	TRUE	1.98E-11
COPD in never smokers	RPTOR	cg09929238	rs1567961	C	T	-0.160	0.024	0.392	1.61E-11	-0.023	0.017	0.184	0.012	45.365	TRUE	1.50E-10
COPD in never smokers	RPTOR	cg09929238	rs62068268	T	C	-0.363	0.041	0.090	9.76E-19	-0.018	0.029	0.538	0.021	78.065	TRUE	9.71E-18
COPD in never smokers	RPTOR	cg09929238	rs62070201	A	G	0.341	0.044	0.069	7.02E-15	-0.057	0.031	0.066	0.016	60.559	TRUE	2.06E-13
COPD in never smokers	RPTOR	cg09929238	rs8076974	G	A	0.447	0.026	0.263	4.60E-64	-0.035	0.019	0.060	0.072	285.410	TRUE	1.48E-58
COPD in never smokers	RPTOR	cg09977718	rs113059224	A	G	-0.261	0.043	0.070	1.36E-09	-0.030	0.027	0.268	0.010	36.707	TRUE	7.54E-09
COPD in never smokers	RPTOR	cg09977718	rs113714895	T	C	-0.387	0.043	0.080	1.24E-19	0.014	0.027	0.604	0.022	82.141	TRUE	1.19E-18
COPD in never smokers	RPTOR	cg09977718	rs12103906	T	C	0.211	0.024	0.419	1.20E-18	0.034	0.017	0.045	0.021	77.652	TRUE	8.62E-17
COPD in never smokers	RPTOR	cg09977718	rs12602601	T	G	0.335	0.025	0.309	6.92E-41	-0.016	0.018	0.370	0.046	179.194	TRUE	2.57E-38
COPD in never smokers	RPTOR	cg09977718	rs183036865	A	G	-0.351	0.056	0.041	4.78E-10	-0.013	0.041	0.756	0.010	38.744	TRUE	1.25E-09
COPD in never smokers	RPTOR	cg09977718	rs2289762	A	G	-0.772	0.025	0.245	5.15E-205	0.005	0.019	0.785	0.201	932.985	TRUE	5.54E-184
COPD in never smokers	RPTOR	cg09977718	rs2289764	C	T	0.265	0.027	0.241	4.61E-22	0.001	0.020	0.940	0.025	93.198	TRUE	2.93E-21
COPD in never smokers	RPTOR	cg09977718	rs60323363	A	G	-0.174	0.024	0.412	1.56E-13	0.005	0.017	0.764	0.015	54.464	TRUE	5.69E-13
COPD in never smokers	RPTOR	cg09977718	rs72850524	T	C	-0.363	0.064	0.037	1.32E-08	-0.017	0.042	0.692	0.009	32.283	TRUE	3.25E-08
COPD in never smokers	RPTOR	cg09977718	rs9897319	A	G	-0.304	0.025	0.354	3.93E-34	-0.023	0.017	0.189	0.039	148.296	TRUE	1.17E-31
COPD in never smokers	RPTOR	cg10035831	rs11548824	A	G	-0.235	0.034	0.154	2.64E-12	0.013	0.021	0.525	0.013	48.914	TRUE	1.25E-11
COPD in never smokers	RPTOR	cg10035831	rs11656061	A	G	-0.541	0.023	0.436	8.92E-122	-0.010	0.017	0.528	0.130	550.388	TRUE	5.83E-112
COPD in never smokers	RPTOR	cg10035831	rs11658145	C	T	0.162	0.027	0.246	2.05E-09	-0.006	0.019	0.769	0.010	35.906	TRUE	4.95E-09
COPD in never smokers	RPTOR	cg10035831	rs11869318	C	T	0.146	0.024	0.470	6.63E-10	0.006	0.017	0.718	0.010	38.106	TRUE	1.80E-09
COPD in never smokers	RPTOR	cg10035831	rs12936701	C	A	0.418	0.039	0.105	2.16E-27	0.014	0.030	0.643	0.031	117.498	TRUE	4.91E-26
COPD in never smokers	RPTOR	cg10035831	rs13341621	A	G	0.570	0.050	0.080	1.50E-30	-0.007	0.032	0.837	0.034	131.925	TRUE	3.15E-29
COPD in never smokers	RPTOR	cg10035831	rs149099062	A	G	1.065	0.139	0.015	2.24E-14	-0.030	0.065	0.642	0.016	58.275	TRUE	1.10E-13
COPD in never smokers	RPTOR	cg10035831	rs2289766	G	A	1.063	0.027	0.167	<1E-200	0.005	0.022	0.835	0.288	1499.193	TRUE	7.43E-283
COPD in never smokers	RPTOR	cg10035831	rs4969236	C	T	-0.281	0.023	0.495	2.77E-33	-0.018	0.017	0.285	0.038	144.414	TRUE	4.47E-31
COPD in never smokers	RPTOR	cg10035831	rs62068550	A	G	-0.218	0.035	0.143	3.42E-10	-0.025	0.025	0.311	0.011	39.397	TRUE	1.88E-09
COPD in never smokers	RPTOR	cg10035831	rs66463810	A	G	-0.160	0.025	0.340	1.00E-10	-0.039	0.017	0.026	0.011	41.790	TRUE	2.10E-09
COPD in never smokers	RPTOR	cg10035831	rs7220687	C	T	0.236	0.026	0.289	6.70E-20	0.033	0.018	0.072	0.022	83.356	TRUE	4.42E-18
COPD in never smokers	RPTOR	cg10035831	rs72853711	C	T	0.211	0.037	0.115	1.07E-08	-0.049	0.027	0.068	0.009	32.686	TRUE	1.02E-07
COPD in never smokers	RPTOR	cg10035831	rs7502321	C	T	0.197	0.024	0.386	2.18E-16	0.020	0.017	0.241	0.018	67.395	TRUE	3.45E-15

COPD in never smokers	RPTOR	cg10281768	rs10468603	C	T	-0.409	0.024	0.413	3.70E-67	0.030	0.017	0.078	0.075	299.606	TRUE	1.66E-61
COPD in never smokers	RPTOR	cg10281768	rs118065301	A	G	0.732	0.109	0.026	2.17E-11	-0.106	0.052	0.041	0.012	44.782	TRUE	4.27E-10
COPD in never smokers	RPTOR	cg10281768	rs12936509	G	A	0.337	0.040	0.092	2.09E-17	0.022	0.026	0.408	0.019	72.019	TRUE	2.37E-16
COPD in never smokers	RPTOR	cg10281768	rs4969429	A	G	-0.240	0.026	0.273	7.22E-20	0.051	0.019	0.006	0.022	83.209	TRUE	1.91E-17
COPD in never smokers	RPTOR	cg10281768	rs62068358	G	A	-0.263	0.041	0.092	1.45E-10	-0.019	0.029	0.518	0.011	41.075	TRUE	5.69E-10
COPD in never smokers	RPTOR	cg10281768	rs74002883	T	G	-0.222	0.031	0.173	6.18E-13	0.034	0.021	0.108	0.014	51.761	TRUE	9.88E-12
COPD in never smokers	RPTOR	cg10281768	rs746405	G	T	-0.146	0.024	0.418	1.16E-09	-0.021	0.017	0.213	0.010	37.020	TRUE	7.44E-09
COPD in never smokers	RPTOR	cg10281768	rs9893680	G	T	-0.198	0.024	0.383	2.56E-16	-0.021	0.017	0.233	0.018	67.080	TRUE	4.12E-15
COPD in never smokers	RPTOR	cg10490202	rs1045626	T	C	-0.213	0.024	0.467	2.26E-19	-0.026	0.017	0.118	0.021	80.952	TRUE	9.71E-18
COPD in never smokers	RPTOR	cg10490202	rs113714895	T	C	-0.265	0.043	0.080	5.09E-10	0.014	0.027	0.604	0.010	38.621	TRUE	1.65E-09
COPD in never smokers	RPTOR	cg10490202	rs11656246	A	G	-0.466	0.026	0.241	4.27E-70	0.004	0.019	0.822	0.078	313.086	TRUE	4.52E-66
COPD in never smokers	RPTOR	cg10490202	rs2289764	C	T	0.359	0.027	0.241	1.03E-39	0.001	0.020	0.940	0.045	173.834	TRUE	5.42E-38
COPD in never smokers	RPTOR	cg10508138	rs1012117	A	G	-0.310	0.025	0.313	1.27E-36	-0.006	0.018	0.753	0.041	159.683	TRUE	7.31E-35
COPD in never smokers	RPTOR	cg10508138	rs113714895	T	C	-0.236	0.042	0.080	2.18E-08	0.014	0.027	0.604	0.008	31.313	TRUE	5.88E-08
COPD in never smokers	RPTOR	cg10538214	rs112661218	A	C	-0.373	0.027	0.221	7.37E-42	0.001	0.020	0.954	0.047	183.645	TRUE	5.02E-40
COPD in never smokers	RPTOR	cg10538214	rs2271612	C	T	-0.145	0.023	0.480	5.97E-10	0.000	0.017	1.000	0.010	38.311	TRUE	1.12E-09
COPD in never smokers	RPTOR	cg10693767	rs72852801	A	G	0.257	0.044	0.076	5.11E-09	-0.029	0.033	0.367	0.009	34.130	TRUE	2.14E-08
COPD in never smokers	RPTOR	cg10693767	rs9890864	G	A	-0.211	0.030	0.189	2.63E-12	-0.015	0.021	0.482	0.013	48.917	TRUE	1.36E-11
COPD in never smokers	RPTOR	cg10752731	rs11868966	C	A	-0.178	0.032	0.167	2.08E-08	0.004	0.022	0.842	0.008	31.404	TRUE	4.17E-08
COPD in never smokers	RPTOR	cg10752731	rs138099755	A	G	-0.977	0.161	0.012	1.31E-09	0.039	0.069	0.567	0.010	36.785	TRUE	4.26E-09
COPD in never smokers	RPTOR	cg10752731	rs571430539	C	T	-1.496	0.082	0.022	3.00E-74	0.006	0.054	0.905	0.082	332.140	TRUE	5.16E-70
COPD in never smokers	RPTOR	cg10752731	rs7220687	C	T	-0.170	0.026	0.289	5.87E-11	0.033	0.018	0.072	0.011	42.841	TRUE	8.24E-10
COPD in never smokers	RPTOR	cg11153071	rs2291360	A	G	0.325	0.025	0.367	1.18E-39	0.033	0.017	0.058	0.045	173.552	TRUE	3.04E-36
COPD in never smokers	RPTOR	cg11153071	rs7209452	A	G	0.185	0.029	0.203	1.91E-10	0.063	0.020	0.002	0.011	40.535	TRUE	8.81E-09
COPD in never smokers	RPTOR	cg11222173	rs2291360	A	G	0.300	0.025	0.367	4.84E-34	0.033	0.017	0.058	0.038	147.882	TRUE	4.45E-31
COPD in never smokers	RPTOR	cg11303920	rs12951739	T	G	0.255	0.023	0.455	5.39E-28	0.011	0.016	0.489	0.031	120.253	TRUE	1.99E-26
COPD in never smokers	RPTOR	cg11303920	rs4889881	C	T	-0.323	0.037	0.114	3.64E-18	0.086	0.026	0.001	0.020	75.468	TRUE	1.38E-15
COPD in never smokers	RPTOR	cg11476241	rs111396639	A	G	0.160	0.027	0.258	2.48E-09	0.003	0.020	0.873	0.010	35.536	TRUE	5.19E-09
COPD in never smokers	RPTOR	cg11476241	rs11656246	A	G	-0.347	0.027	0.241	8.96E-39	0.004	0.019	0.822	0.044	169.528	TRUE	5.73E-37
COPD in never smokers	RPTOR	cg11476241	rs149099062	A	G	0.929	0.140	0.015	3.00E-11	-0.030	0.065	0.642	0.012	44.153	TRUE	1.04E-10
COPD in never smokers	RPTOR	cg11476241	rs2280146	G	A	0.872	0.025	0.218	2.58E-275	-0.001	0.020	0.953	0.254	1256.256	TRUE	8.53E-242
COPD in never smokers	RPTOR	cg11476241	rs56273414	C	T	0.194	0.033	0.146	5.05E-09	0.002	0.024	0.938	0.009	34.153	TRUE	9.50E-09
COPD in never smokers	RPTOR	cg11476241	rs60471075	G	A	0.148	0.023	0.480	2.51E-10	0.018	0.017	0.297	0.011	39.999	TRUE	1.45E-09
COPD in never smokers	RPTOR	cg11476241	rs62068550	A	G	-0.229	0.035	0.143	4.22E-11	-0.025	0.025	0.311	0.012	43.487	TRUE	2.62E-10
COPD in never smokers	RPTOR	cg11476241	rs66485222	A	G	0.490	0.067	0.035	2.25E-13	0.007	0.046	0.870	0.014	53.747	TRUE	6.83E-13
COPD in never smokers	RPTOR	cg11476241	rs7220687	C	T	0.355	0.026	0.289	1.87E-43	0.033	0.018	0.072	0.049	190.950	TRUE	7.85E-40
COPD in never smokers	RPTOR	cg11476241	rs72859646	T	C	0.536	0.068	0.026	4.27E-15	0.051	0.049	0.296	0.016	61.539	TRUE	4.77E-14
COPD in never smokers	RPTOR	cg11476241	rs8071514	C	A	0.149	0.024	0.453	3.03E-10	0.015	0.017	0.376	0.011	39.636	TRUE	1.47E-09
COPD in never smokers	RPTOR	cg11499091	rs147459147	G	T	-0.177	0.024	0.486	7.98E-14	-0.005	0.017	0.747	0.015	55.780	TRUE	3.08E-13
COPD in never smokers	RPTOR	cg11499091	rs2589138	T	C	-0.342	0.028	0.230	1.43E-34	-0.038	0.020	0.058	0.039	150.298	TRUE	1.44E-31
COPD in never smokers	RPTOR	cg11499091	rs35524093	G	A	0.163	0.025	0.342	2.93E-11	0.040	0.017	0.022	0.012	44.201	TRUE	7.35E-10
COPD in never smokers	RPTOR	cg11499091	rs8071397	A	G	0.150	0.025	0.333	3.78E-09	0.042	0.018	0.016	0.009	34.715	TRUE	6.69E-08

COPD in never smokers	RPTOR	cg11637695	rs12944497	T	C	-0.253	0.024	0.406	1.73E-26	-0.002	0.017	0.904	0.030	113.374	TRUE	1.93E-25
COPD in never smokers	RPTOR	cg11790527	rs147459147	G	T	0.139	0.024	0.486	3.81E-09	-0.005	0.017	0.747	0.009	34.702	TRUE	9.21E-09
COPD in never smokers	RPTOR	cg11949518	rs112815991	T	C	0.325	0.044	0.071	9.01E-14	-0.025	0.028	0.372	0.015	55.542	TRUE	6.98E-13
COPD in never smokers	RPTOR	cg11949518	rs11548824	A	G	0.297	0.034	0.154	7.00E-19	0.013	0.021	0.525	0.021	78.720	TRUE	7.30E-18
COPD in never smokers	RPTOR	cg11949518	rs11655877	C	T	0.195	0.024	0.406	1.71E-16	0.005	0.017	0.774	0.018	67.873	TRUE	8.33E-16
COPD in never smokers	RPTOR	cg11949518	rs138780442	C	A	-0.609	0.107	0.031	1.23E-08	-0.030	0.048	0.537	0.009	32.420	TRUE	3.75E-08
COPD in never smokers	RPTOR	cg11949518	rs183036865	A	G	0.506	0.056	0.041	2.01E-19	-0.013	0.041	0.756	0.021	81.182	TRUE	1.39E-18
COPD in never smokers	RPTOR	cg11949518	rs2289760	T	C	0.530	0.026	0.249	1.39E-94	0.003	0.019	0.867	0.103	425.487	TRUE	1.96E-88
COPD in never smokers	RPTOR	cg11949518	rs34410650	G	A	0.274	0.027	0.239	1.54E-23	0.014	0.019	0.447	0.026	99.926	TRUE	3.53E-22
COPD in never smokers	RPTOR	cg11949518	rs3751934	A	C	0.397	0.024	0.401	2.09E-62	-0.025	0.017	0.149	0.070	277.814	TRUE	1.45E-57
COPD in never smokers	RPTOR	cg11949518	rs4969229	T	C	-0.801	0.080	0.050	1.75E-23	-0.032	0.037	0.379	0.026	99.669	TRUE	4.83E-22
COPD in never smokers	RPTOR	cg11949518	rs4969231	T	C	-0.699	0.024	0.314	3.45E-180	-0.011	0.018	0.546	0.181	818.847	TRUE	1.88E-162
COPD in never smokers	RPTOR	cg11949518	rs55803650	A	C	0.521	0.092	0.017	1.71E-08	-0.014	0.060	0.817	0.009	31.779	TRUE	3.57E-08
COPD in never smokers	RPTOR	cg11949518	rs56960771	T	C	0.243	0.025	0.310	4.90E-22	-0.005	0.018	0.773	0.025	93.079	TRUE	4.36E-21
COPD in never smokers	RPTOR	cg11949518	rs6565491	C	T	-0.705	0.033	0.132	1.22E-99	0.022	0.024	0.368	0.108	448.703	TRUE	6.71E-92
COPD in never smokers	RPTOR	cg11949518	rs67198902	G	T	0.218	0.031	0.186	1.37E-12	0.019	0.021	0.362	0.013	50.196	TRUE	9.31E-12
COPD in never smokers	RPTOR	cg11949518	rs7208789	T	C	-0.217	0.039	0.107	2.88E-08	0.087	0.027	0.001	0.008	30.770	TRUE	8.83E-07
COPD in never smokers	RPTOR	cg11949518	rs72850524	T	C	0.398	0.064	0.037	4.31E-10	-0.017	0.042	0.692	0.010	38.947	TRUE	1.24E-09
COPD in never smokers	RPTOR	cg11949518	rs74004829	C	T	0.372	0.043	0.092	7.91E-18	-0.046	0.029	0.116	0.020	73.934	TRUE	2.69E-16
COPD in never smokers	RPTOR	cg11949518	rs868432	A	G	0.888	0.018	0.444	<1E-200	0.012	0.017	0.484	0.392	2389.417	TRUE	<1E-200
COPD in never smokers	RPTOR	cg11949518	rs9903399	C	T	0.279	0.041	0.222	6.46E-12	-0.007	0.020	0.740	0.013	47.158	TRUE	2.08E-11
COPD in never smokers	RPTOR	cg12078154	rs118120008	A	G	-0.572	0.104	0.013	3.81E-08	-0.005	0.069	0.943	0.008	30.230	TRUE	6.63E-08
COPD in never smokers	RPTOR	cg12078154	rs142546211	A	G	-0.752	0.109	0.019	4.28E-12	-0.058	0.056	0.303	0.013	47.965	TRUE	3.11E-11
COPD in never smokers	RPTOR	cg12078154	rs183036865	A	G	0.483	0.056	0.041	8.45E-18	-0.013	0.041	0.756	0.020	73.805	TRUE	4.87E-17
COPD in never smokers	RPTOR	cg12078154	rs2289764	C	T	-0.264	0.027	0.241	7.99E-22	0.001	0.020	0.940	0.024	92.110	TRUE	4.95E-21
COPD in never smokers	RPTOR	cg12078154	rs35343630	A	G	-0.395	0.025	0.300	3.25E-55	0.030	0.018	0.098	0.062	244.835	TRUE	9.31E-51
COPD in never smokers	RPTOR	cg12078154	rs4969219	G	T	-0.140	0.024	0.388	8.15E-09	-0.010	0.017	0.566	0.009	33.221	TRUE	2.43E-08
COPD in never smokers	RPTOR	cg12078154	rs62075432	A	G	-0.152	0.027	0.261	2.16E-08	0.030	0.019	0.125	0.008	31.326	TRUE	1.49E-07
COPD in never smokers	RPTOR	cg12078154	rs71368095	A	G	0.709	0.027	0.219	1.56E-155	-0.004	0.020	0.846	0.160	705.520	TRUE	3.66E-142
COPD in never smokers	RPTOR	cg12078154	rs72850524	T	C	0.452	0.064	0.037	1.37E-12	-0.017	0.042	0.692	0.013	50.203	TRUE	5.08E-12
COPD in never smokers	RPTOR	cg12078154	rs72859646	T	C	-0.917	0.068	0.026	7.23E-42	0.051	0.049	0.296	0.047	183.684	TRUE	4.36E-39
COPD in never smokers	RPTOR	cg12078154	rs76300060	G	A	-0.268	0.047	0.065	1.73E-08	-0.054	0.034	0.108	0.009	31.761	TRUE	1.29E-07
COPD in never smokers	RPTOR	cg12078154	rs9905501	T	C	0.284	0.025	0.341	1.84E-30	0.006	0.018	0.738	0.034	131.514	TRUE	4.89E-29
COPD in never smokers	RPTOR	cg12088417	rs117805133	T	C	-0.550	0.089	0.017	5.82E-10	0.090	0.061	0.138	0.010	38.362	TRUE	4.98E-09
COPD in never smokers	RPTOR	cg12088417	rs117865905	C	T	-0.723	0.113	0.024	1.64E-10	-0.027	0.050	0.587	0.011	40.838	TRUE	5.72E-10
COPD in never smokers	RPTOR	cg12088417	rs118003029	A	G	-0.431	0.055	0.089	2.60E-15	-0.013	0.028	0.633	0.017	62.511	TRUE	1.44E-14
COPD in never smokers	RPTOR	cg12088417	rs118099953	T	C	-0.515	0.063	0.036	3.58E-16	0.033	0.041	0.426	0.018	66.421	TRUE	3.33E-15
COPD in never smokers	RPTOR	cg12088417	rs11869826	A	G	-0.709	0.024	0.310	4.00E-192	0.000	0.018	0.978	0.191	873.720	TRUE	1.10E-173
COPD in never smokers	RPTOR	cg12088417	rs12450690	T	G	-0.182	0.026	0.264	4.51E-12	-0.021	0.018	0.248	0.013	47.862	TRUE	3.76E-11
COPD in never smokers	RPTOR	cg12088417	rs12451164	T	C	0.281	0.027	0.237	3.18E-25	0.005	0.019	0.797	0.028	107.609	TRUE	3.87E-24
COPD in never smokers	RPTOR	cg12088417	rs28364735	C	T	-0.206	0.025	0.280	3.56E-16	-0.007	0.018	0.712	0.018	66.431	TRUE	1.87E-15
COPD in never smokers	RPTOR	cg12088417	rs34479366	C	T	0.278	0.029	0.198	4.55E-21	0.037	0.021	0.072	0.023	88.673	TRUE	3.65E-19

COPD in never smokers	RPTOR	cg12088417	rs35904260	G	A	0.264	0.023	0.445	1.40E-29	0.001	0.017	0.965	0.033	127.489	TRUE	1.94E-28
COPD in never smokers	RPTOR	cg12088417	rs4522458	T	C	-0.161	0.027	0.238	4.36E-09	-0.042	0.020	0.033	0.009	34.435	TRUE	5.94E-08
COPD in never smokers	RPTOR	cg12088417	rs4889855	G	A	0.231	0.032	0.162	2.71E-13	-0.038	0.022	0.086	0.014	53.378	TRUE	5.23E-12
COPD in never smokers	RPTOR	cg12088417	rs62067893	T	C	-0.624	0.069	0.037	2.28E-19	-0.122	0.049	0.013	0.021	80.939	TRUE	3.69E-17
COPD in never smokers	RPTOR	cg12088417	rs72856013	A	G	-0.307	0.036	0.120	1.17E-17	-0.015	0.026	0.567	0.019	73.160	TRUE	9.63E-17
COPD in never smokers	RPTOR	cg12088417	rs74003912	A	G	-0.251	0.030	0.199	1.82E-17	0.052	0.021	0.012	0.019	72.290	TRUE	2.05E-15
COPD in never smokers	RPTOR	cg12592365	rs719781	A	G	0.210	0.026	0.253	8.83E-16	0.018	0.019	0.354	0.017	64.640	TRUE	9.29E-15
COPD in never smokers	RPTOR	cg12654199	rs117736066	G	A	-0.259	0.041	0.088	3.55E-10	-0.024	0.030	0.421	0.011	39.322	TRUE	1.57E-09
COPD in never smokers	RPTOR	cg12654199	rs118107399	T	C	0.977	0.148	0.014	4.59E-11	0.084	0.075	0.266	0.012	43.320	TRUE	3.16E-10
COPD in never smokers	RPTOR	cg12654199	rs118182693	G	A	-0.363	0.057	0.042	1.39E-10	-0.035	0.042	0.407	0.011	41.154	TRUE	6.64E-10
COPD in never smokers	RPTOR	cg12654199	rs11870398	T	C	-0.228	0.024	0.387	2.49E-21	-0.027	0.017	0.117	0.024	89.866	TRUE	1.47E-19
COPD in never smokers	RPTOR	cg12654199	rs3923310	G	A	0.150	0.025	0.334	1.05E-09	0.022	0.017	0.201	0.010	37.215	TRUE	7.01E-09
COPD in never smokers	RPTOR	cg12654199	rs4890053	G	A	-0.198	0.024	0.467	5.29E-17	-0.012	0.017	0.477	0.019	70.189	TRUE	4.87E-16
COPD in never smokers	RPTOR	cg12654199	rs55633095	T	C	-0.236	0.043	0.084	3.08E-08	0.019	0.028	0.511	0.008	30.640	TRUE	9.31E-08
COPD in never smokers	RPTOR	cg12654199	rs62069406	C	T	-0.316	0.055	0.051	1.13E-08	-0.012	0.038	0.759	0.009	32.587	TRUE	2.57E-08
COPD in never smokers	RPTOR	cg12654199	rs7208789	T	C	0.681	0.038	0.107	4.13E-71	0.087	0.027	0.001	0.079	317.736	TRUE	3.10E-63
COPD in never smokers	RPTOR	cg12654199	rs7209132	C	T	0.634	0.024	0.365	8.23E-157	0.030	0.017	0.084	0.161	711.389	TRUE	1.91E-140
COPD in never smokers	RPTOR	cg12654199	rs8073414	G	A	-0.327	0.025	0.353	3.62E-40	-0.038	0.017	0.025	0.045	175.907	TRUE	2.13E-36
COPD in never smokers	RPTOR	cg13005428	rs1062935	C	T	-0.443	0.023	0.472	2.32E-81	-0.028	0.017	0.093	0.090	364.782	TRUE	1.99E-74
COPD in never smokers	RPTOR	cg13005428	rs113059224	A	G	-0.375	0.043	0.070	3.00E-18	-0.030	0.027	0.268	0.020	75.848	TRUE	5.66E-17
COPD in never smokers	RPTOR	cg13005428	rs11548824	A	G	-0.417	0.033	0.154	5.28E-36	0.013	0.021	0.525	0.041	156.855	TRUE	5.38E-34
COPD in never smokers	RPTOR	cg13005428	rs11652514	A	G	0.432	0.077	0.053	1.94E-08	-0.036	0.040	0.376	0.008	31.542	TRUE	7.39E-08
COPD in never smokers	RPTOR	cg13005428	rs117631786	A	G	0.591	0.087	0.042	1.09E-11	-0.015	0.051	0.768	0.012	46.141	TRUE	3.28E-11
COPD in never smokers	RPTOR	cg13005428	rs117763980	T	C	-0.710	0.054	0.043	8.31E-39	-0.001	0.041	0.972	0.044	169.678	TRUE	3.56E-37
COPD in never smokers	RPTOR	cg13005428	rs117951413	T	C	-0.191	0.031	0.159	1.42E-09	-0.022	0.023	0.352	0.010	36.622	TRUE	6.60E-09
COPD in never smokers	RPTOR	cg13005428	rs200806876	T	C	-0.461	0.050	0.069	3.58E-20	0.012	0.033	0.707	0.022	84.594	TRUE	2.96E-19
COPD in never smokers	RPTOR	cg13005428	rs34206539	C	T	-0.209	0.024	0.442	8.17E-19	0.002	0.017	0.902	0.021	78.415	TRUE	3.99E-18
COPD in never smokers	RPTOR	cg13005428	rs34824166	T	C	0.491	0.068	0.032	6.75E-13	-0.018	0.047	0.707	0.014	51.588	TRUE	2.53E-12
COPD in never smokers	RPTOR	cg13005428	rs55980508	A	G	-0.805	0.093	0.017	3.55E-18	-0.016	0.060	0.790	0.020	75.516	TRUE	2.00E-17
COPD in never smokers	RPTOR	cg13005428	rs61124969	A	G	-1.017	0.019	0.300	<1E-200	-0.014	0.018	0.426	0.436	2854.544	TRUE	<1E-200
COPD in never smokers	RPTOR	cg13005428	rs62068550	A	G	0.425	0.034	0.143	5.21E-35	-0.025	0.025	0.311	0.040	152.307	TRUE	9.80E-33
COPD in never smokers	RPTOR	cg13005428	rs6565524	T	C	-0.234	0.040	0.098	7.25E-09	-0.024	0.029	0.405	0.009	33.450	TRUE	2.79E-08
COPD in never smokers	RPTOR	cg13005428	rs72850524	T	C	-0.747	0.063	0.037	5.07E-32	-0.017	0.042	0.692	0.036	138.647	TRUE	1.85E-30
COPD in never smokers	RPTOR	cg13005428	rs77734083	A	G	-0.642	0.090	0.018	8.80E-13	-0.014	0.057	0.803	0.014	51.067	TRUE	2.80E-12
COPD in never smokers	RPTOR	cg13005428	rs9903399	C	T	-0.493	0.040	0.222	6.98E-35	-0.007	0.020	0.740	0.039	151.724	TRUE	3.28E-33
COPD in never smokers	RPTOR	cg13098428	rs4969277	T	C	-0.384	0.030	0.184	1.79E-36	-0.013	0.022	0.561	0.041	159.001	TRUE	1.75E-34
COPD in never smokers	RPTOR	cg13136721	rs11150760	A	G	0.310	0.030	0.178	2.58E-24	0.016	0.021	0.461	0.027	103.464	TRUE	6.28E-23
COPD in never smokers	RPTOR	cg13136721	rs1137045	G	A	0.143	0.023	0.472	5.52E-10	0.008	0.017	0.629	0.010	38.464	TRUE	1.71E-09
COPD in never smokers	RPTOR	cg13136721	rs11653319	T	C	-0.277	0.027	0.291	1.39E-24	-0.006	0.019	0.755	0.028	104.691	TRUE	1.72E-23
COPD in never smokers	RPTOR	cg13136721	rs117602881	G	A	0.231	0.031	0.175	1.48E-13	0.004	0.021	0.859	0.015	54.573	TRUE	4.64E-13
COPD in never smokers	RPTOR	cg13136721	rs117763980	T	C	-0.493	0.055	0.043	2.04E-19	-0.001	0.041	0.972	0.021	81.157	TRUE	9.29E-19
COPD in never smokers	RPTOR	cg13136721	rs139078473	A	G	0.434	0.051	0.052	1.60E-17	0.054	0.035	0.125	0.019	72.549	TRUE	4.90E-16

COPD in never smokers	RPTOR	cg13136721	rs17848659	T	G	-0.346	0.025	0.330	7.23E-45	-0.006	0.017	0.732	0.051	197.420	TRUE	1.45E-42
COPD in never smokers	RPTOR	cg13136721	rs34781048	A	G	-0.879	0.020	0.434	<1E-200	-0.032	0.017	0.052	0.340	1907.260	TRUE	<1E-200
COPD in never smokers	RPTOR	cg13136721	rs35439443	A	G	-0.543	0.068	0.033	1.53E-15	-0.033	0.047	0.478	0.017	63.553	TRUE	1.18E-14
COPD in never smokers	RPTOR	cg13136721	rs4969229	T	C	-0.552	0.081	0.050	8.64E-12	-0.032	0.037	0.379	0.012	46.589	TRUE	5.09E-11
COPD in never smokers	RPTOR	cg13136721	rs4969300	A	G	0.285	0.035	0.120	8.67E-16	0.013	0.025	0.606	0.017	64.678	TRUE	5.31E-15
COPD in never smokers	RPTOR	cg13136721	rs7207052	T	C	-0.391	0.042	0.196	2.78E-20	-0.005	0.020	0.802	0.022	85.091	TRUE	1.92E-19
COPD in never smokers	RPTOR	cg13136721	rs7221927	C	T	0.240	0.025	0.354	1.15E-22	-0.010	0.017	0.580	0.025	95.943	TRUE	1.68E-21
COPD in never smokers	RPTOR	cg13136721	rs72850576	A	C	0.413	0.032	0.155	5.45E-37	0.006	0.023	0.803	0.042	161.365	TRUE	2.88E-35
COPD in never smokers	RPTOR	cg13136721	rs74387351	A	C	-0.317	0.042	0.102	2.93E-14	-0.051	0.028	0.068	0.015	57.748	TRUE	7.61E-13
COPD in never smokers	RPTOR	cg13136721	rs8069265	C	T	0.133	0.024	0.446	1.57E-08	-0.020	0.017	0.238	0.009	31.943	TRUE	8.01E-08
COPD in never smokers	RPTOR	cg13136721	rs8070693	C	T	-0.356	0.044	0.082	2.88E-16	0.042	0.028	0.133	0.018	66.846	TRUE	6.96E-15
COPD in never smokers	RPTOR	cg13311292	rs7503757	G	A	-0.255	0.037	0.112	9.80E-12	0.083	0.026	0.001	0.012	46.343	TRUE	6.96E-10
COPD in never smokers	RPTOR	cg13526488	rs11150745	G	A	-0.386	0.025	0.314	6.66E-54	-0.003	0.018	0.856	0.061	238.820	TRUE	3.69E-51
COPD in never smokers	RPTOR	cg13526488	rs112384134	C	T	-0.814	0.125	0.023	7.36E-11	-0.097	0.056	0.083	0.011	42.397	TRUE	9.47E-10
COPD in never smokers	RPTOR	cg13526488	rs118107399	T	C	0.902	0.149	0.014	1.29E-09	0.084	0.075	0.266	0.010	36.814	TRUE	7.20E-09
COPD in never smokers	RPTOR	cg13526488	rs2340773	T	C	0.794	0.036	0.116	6.27E-107	0.071	0.026	0.006	0.115	482.186	TRUE	1.39E-95
COPD in never smokers	RPTOR	cg13526488	rs2672893	A	G	0.204	0.031	0.160	5.70E-11	0.015	0.022	0.513	0.011	42.898	TRUE	2.37E-10
COPD in never smokers	RPTOR	cg13526488	rs4375716	T	G	-0.276	0.029	0.194	3.63E-21	-0.027	0.021	0.197	0.024	89.116	TRUE	1.38E-19
COPD in never smokers	RPTOR	cg13526488	rs4426398	T	C	-0.197	0.034	0.139	4.73E-09	0.015	0.024	0.524	0.009	34.277	TRUE	1.54E-08
COPD in never smokers	RPTOR	cg13526488	rs58419250	A	G	-0.185	0.031	0.184	1.71E-09	-0.013	0.022	0.550	0.010	36.262	TRUE	5.63E-09
COPD in never smokers	RPTOR	cg13526488	rs7210110	A	G	-0.883	0.028	0.200	3.53E-222	-0.013	0.021	0.527	0.215	1011.906	TRUE	1.97E-197
COPD in never smokers	RPTOR	cg13526488	rs72852801	A	G	-0.478	0.044	0.076	1.46E-27	-0.029	0.033	0.367	0.031	118.272	TRUE	7.40E-26
COPD in never smokers	RPTOR	cg13526488	rs72853728	C	T	-0.340	0.033	0.144	2.46E-24	-0.006	0.024	0.803	0.027	103.559	TRUE	2.66E-23
COPD in never smokers	RPTOR	cg13526488	rs80146578	T	C	-0.252	0.024	0.425	3.31E-26	0.010	0.018	0.581	0.029	112.093	TRUE	7.54E-25
COPD in never smokers	RPTOR	cg13549638	rs12937510	T	C	-0.236	0.027	0.241	1.39E-18	0.003	0.019	0.858	0.020	77.367	TRUE	7.20E-18
COPD in never smokers	RPTOR	cg13549638	rs2333984	G	A	0.639	0.028	0.203	1.25E-112	0.000	0.021	0.985	0.121	508.379	TRUE	7.69E-105
COPD in never smokers	RPTOR	cg13549638	rs55735336	T	C	-0.211	0.037	0.114	1.37E-08	0.022	0.027	0.401	0.009	32.208	TRUE	5.13E-08
COPD in never smokers	RPTOR	cg13549638	rs57860295	A	G	0.174	0.028	0.247	3.04E-10	0.000	0.019	0.993	0.011	39.624	TRUE	5.89E-10
COPD in never smokers	RPTOR	cg13549638	rs62068487	A	G	-0.197	0.025	0.319	6.47E-15	-0.019	0.018	0.299	0.016	60.720	TRUE	7.00E-14
COPD in never smokers	RPTOR	cg13549638	rs72853711	C	T	0.236	0.037	0.115	1.43E-10	-0.049	0.027	0.068	0.011	41.105	TRUE	1.91E-09
COPD in never smokers	RPTOR	cg13549638	rs72853757	C	T	0.194	0.033	0.146	4.91E-09	0.000	0.024	0.988	0.009	34.205	TRUE	8.70E-09
COPD in never smokers	RPTOR	cg13549638	rs7502841	A	G	0.263	0.027	0.232	1.06E-21	0.024	0.020	0.215	0.024	91.549	TRUE	4.01E-20
COPD in never smokers	RPTOR	cg13643509	rs8077224	A	G	-0.134	0.023	0.428	1.24E-08	0.004	0.017	0.795	0.009	32.404	TRUE	2.69E-08
COPD in never smokers	RPTOR	cg13762486	rs4969314	G	T	0.335	0.025	0.316	1.01E-39	-0.010	0.018	0.595	0.045	173.864	TRUE	1.43E-37
COPD in never smokers	RPTOR	cg13762486	rs7219221	G	A	-0.208	0.034	0.173	9.68E-10	-0.034	0.022	0.127	0.010	37.368	TRUE	8.33E-09
COPD in never smokers	RPTOR	cg13831388	rs11656246	A	G	0.309	0.026	0.241	7.92E-32	0.004	0.019	0.822	0.036	137.761	TRUE	2.03E-30
COPD in never smokers	RPTOR	cg14073057	rs9915426	G	A	-0.225	0.029	0.202	1.24E-14	-0.011	0.021	0.591	0.016	59.443	TRUE	6.83E-14
COPD in never smokers	RPTOR	cg14289594	rs12937265	T	C	-0.189	0.025	0.320	1.88E-14	-0.004	0.017	0.828	0.016	58.627	TRUE	6.76E-14
COPD in never smokers	RPTOR	cg14343513	rs11150745	G	A	-0.276	0.025	0.314	7.37E-28	-0.003	0.018	0.856	0.031	119.634	TRUE	1.07E-26
COPD in never smokers	RPTOR	cg14343513	rs11655574	A	G	0.149	0.025	0.361	3.22E-09	0.025	0.017	0.160	0.009	35.026	TRUE	2.26E-08
COPD in never smokers	RPTOR	cg14343513	rs118107399	T	C	1.087	0.148	0.014	2.30E-13	0.084	0.075	0.266	0.014	53.705	TRUE	2.19E-12
COPD in never smokers	RPTOR	cg14343513	rs12950676	T	C	-0.270	0.024	0.431	4.19E-30	-0.040	0.017	0.016	0.034	129.885	TRUE	4.78E-27

COPD in never smokers	RPTOR	cg14343513	rs2672890	T	C	0.230	0.042	0.178	3.64E-08	-0.005	0.021	0.797	0.008	30.313	TRUE	7.55E-08
COPD in never smokers	RPTOR	cg14343513	rs35926934	A	G	0.966	0.035	0.117	2.56E-165	0.072	0.026	0.005	0.169	750.495	TRUE	1.18E-145
COPD in never smokers	RPTOR	cg14343513	rs55959137	G	A	-0.251	0.024	0.493	1.50E-26	-0.026	0.016	0.112	0.030	113.663	TRUE	2.15E-24
COPD in never smokers	RPTOR	cg14343513	rs62070202	T	C	-0.256	0.042	0.079	1.12E-09	-0.033	0.031	0.277	0.010	37.085	TRUE	6.16E-09
COPD in never smokers	RPTOR	cg14343513	rs72859613	T	C	0.466	0.073	0.020	1.82E-10	0.077	0.053	0.152	0.011	40.630	TRUE	1.61E-09
COPD in never smokers	RPTOR	cg14343513	rs734338	A	G	-0.167	0.023	0.497	1.08E-12	-0.004	0.017	0.806	0.014	50.662	TRUE	3.40E-12
COPD in never smokers	RPTOR	cg14600877	rs113059224	A	G	-0.279	0.043	0.070	9.67E-11	-0.030	0.027	0.268	0.011	41.865	TRUE	6.32E-10
COPD in never smokers	RPTOR	cg14600877	rs113714895	T	C	-0.457	0.043	0.080	6.59E-27	0.014	0.027	0.604	0.030	115.288	TRUE	1.55E-25
COPD in never smokers	RPTOR	cg14600877	rs11650195	C	T	-0.180	0.033	0.404	3.24E-08	-0.006	0.017	0.715	0.008	30.542	TRUE	7.45E-08
COPD in never smokers	RPTOR	cg14600877	rs12449867	C	T	0.172	0.025	0.343	2.38E-12	0.017	0.018	0.353	0.013	49.119	TRUE	1.59E-11
COPD in never smokers	RPTOR	cg14600877	rs139078473	A	G	0.381	0.051	0.052	8.67E-14	0.054	0.035	0.125	0.015	55.616	TRUE	1.46E-12
COPD in never smokers	RPTOR	cg14600877	rs4969236	C	T	-0.296	0.023	0.495	7.28E-37	-0.018	0.017	0.285	0.042	160.790	TRUE	2.06E-34
COPD in never smokers	RPTOR	cg14600877	rs56412625	G	A	0.170	0.027	0.250	2.21E-10	-0.004	0.019	0.842	0.011	40.253	TRUE	5.29E-10
COPD in never smokers	RPTOR	cg14600877	rs58642634	T	C	-0.502	0.047	0.076	8.00E-27	-0.003	0.032	0.935	0.030	114.906	TRUE	8.63E-26
COPD in never smokers	RPTOR	cg14600877	rs62075409	A	G	0.443	0.029	0.190	5.49E-52	0.030	0.021	0.149	0.059	230.039	TRUE	4.97E-48
COPD in never smokers	RPTOR	cg14600877	rs6565524	T	C	-0.353	0.040	0.098	1.56E-18	-0.024	0.029	0.405	0.020	77.137	TRUE	2.07E-17
COPD in never smokers	RPTOR	cg14600877	rs71368095	A	G	-0.521	0.027	0.219	2.72E-81	-0.004	0.020	0.846	0.090	364.461	TRUE	2.38E-76
COPD in never smokers	RPTOR	cg14600877	rs72859646	T	C	0.428	0.068	0.026	3.77E-10	0.051	0.049	0.296	0.010	39.209	TRUE	2.13E-09
COPD in never smokers	RPTOR	cg14600877	rs7502563	A	G	-1.043	0.017	0.391	<1E-200	-0.021	0.017	0.203	0.501	3712.236	TRUE	<1E-200
COPD in never smokers	RPTOR	cg14600877	rs78595627	T	C	-0.301	0.042	0.102	5.74E-13	-0.051	0.028	0.067	0.014	51.905	TRUE	1.20E-11
COPD in never smokers	RPTOR	cg14600877	rs9911223	A	G	0.378	0.025	0.310	3.66E-52	-0.016	0.018	0.388	0.059	230.848	TRUE	8.25E-49
COPD in never smokers	RPTOR	cg14647957	rs111492191	A	G	-0.320	0.055	0.043	5.75E-09	0.027	0.037	0.471	0.009	33.899	TRUE	2.01E-08
COPD in never smokers	RPTOR	cg14647957	rs17848624	C	A	-0.260	0.041	0.088	3.57E-10	-0.015	0.029	0.621	0.011	39.314	TRUE	1.14E-09
COPD in never smokers	RPTOR	cg14647957	rs2589132	C	T	0.137	0.023	0.485	5.22E-09	0.008	0.017	0.646	0.009	34.086	TRUE	1.43E-08
COPD in never smokers	RPTOR	cg14647957	rs34713877	A	G	-0.506	0.091	0.036	3.00E-08	0.028	0.044	0.515	0.008	30.692	TRUE	9.01E-08
COPD in never smokers	RPTOR	cg14647957	rs4969282	T	G	-0.669	0.032	0.139	6.51E-95	0.015	0.024	0.515	0.103	427.000	TRUE	4.95E-88
COPD in never smokers	RPTOR	cg14780427	rs111396639	A	G	-0.732	0.025	0.258	8.77E-183	0.003	0.020	0.873	0.183	830.777	TRUE	1.58E-165
COPD in never smokers	RPTOR	cg14780427	rs11150747	T	C	-0.442	0.027	0.249	1.99E-60	-0.015	0.019	0.430	0.068	268.736	TRUE	1.65E-56
COPD in never smokers	RPTOR	cg14780427	rs11651724	A	G	-0.466	0.037	0.117	7.11E-37	-0.030	0.026	0.257	0.042	160.837	TRUE	2.30E-34
COPD in never smokers	RPTOR	cg14780427	rs117209908	A	G	-0.628	0.050	0.059	4.48E-36	0.029	0.035	0.404	0.041	157.181	TRUE	6.91E-34
COPD in never smokers	RPTOR	cg14780427	rs117805133	T	C	-0.560	0.089	0.017	3.25E-10	0.090	0.061	0.138	0.011	39.498	TRUE	2.90E-09
COPD in never smokers	RPTOR	cg14780427	rs118107399	T	C	0.950	0.149	0.014	1.57E-10	0.084	0.075	0.266	0.011	40.915	TRUE	1.00E-09
COPD in never smokers	RPTOR	cg14780427	rs12949279	C	T	0.806	0.020	0.440	<1E-200	0.026	0.017	0.121	0.303	1605.490	TRUE	5.71E-297
COPD in never smokers	RPTOR	cg14780427	rs190762278	G	A	-0.354	0.028	0.214	9.08E-37	0.012	0.020	0.564	0.042	160.350	TRUE	9.16E-35
COPD in never smokers	RPTOR	cg14780427	rs4072746	T	C	-0.296	0.038	0.115	9.95E-15	-0.035	0.027	0.196	0.016	59.873	TRUE	1.45E-13
COPD in never smokers	RPTOR	cg14780427	rs4426398	T	C	0.296	0.034	0.139	1.32E-18	0.015	0.024	0.524	0.021	77.469	TRUE	1.33E-17
COPD in never smokers	RPTOR	cg14780427	rs4890035	A	G	-0.192	0.029	0.198	4.43E-11	-0.029	0.021	0.165	0.012	43.391	TRUE	4.11E-10
COPD in never smokers	RPTOR	cg14780427	rs62067893	T	C	-0.838	0.069	0.037	5.64E-34	-0.122	0.049	0.013	0.038	147.577	TRUE	1.61E-30
COPD in never smokers	RPTOR	cg14780427	rs72858264	C	A	0.536	0.066	0.031	4.76E-16	0.059	0.050	0.233	0.017	65.858	TRUE	7.37E-15
COPD in never smokers	RPTOR	cg14780427	rs8069320	C	A	0.253	0.024	0.490	7.66E-27	-0.027	0.017	0.105	0.030	114.992	TRUE	1.21E-24
COPD in never smokers	RPTOR	cg14780427	rs9908112	A	G	0.904	0.036	0.116	3.95E-141	0.071	0.026	0.006	0.147	639.320	TRUE	3.32E-125
COPD in never smokers	RPTOR	cg15022015	rs2280147	C	T	0.187	0.027	0.225	5.46E-12	0.011	0.020	0.574	0.013	47.489	TRUE	2.30E-11

COPD in never smokers	RPTOR	cg15022015	rs71368095	A	G	-0.155	0.028	0.219	2.09E-08	-0.004	0.020	0.846	0.008	31.394	TRUE	4.17E-08
COPD in never smokers	RPTOR	cg15096353	rs114177791	T	G	0.247	0.028	0.215	3.34E-18	0.012	0.020	0.538	0.020	75.638	TRUE	3.11E-17
COPD in never smokers	RPTOR	cg15096353	rs117117100	A	G	0.492	0.075	0.024	6.52E-11	-0.085	0.052	0.103	0.011	42.634	TRUE	7.63E-10
COPD in never smokers	RPTOR	cg15096353	rs117209908	A	G	0.546	0.050	0.059	1.48E-27	0.029	0.035	0.404	0.031	118.246	TRUE	6.64E-26
COPD in never smokers	RPTOR	cg15096353	rs117805133	T	C	0.579	0.089	0.017	7.07E-11	0.090	0.061	0.138	0.011	42.477	TRUE	7.03E-10
COPD in never smokers	RPTOR	cg15096353	rs12452137	G	A	0.728	0.026	0.249	2.36E-170	0.001	0.019	0.967	0.173	773.639	TRUE	3.50E-155
COPD in never smokers	RPTOR	cg15096353	rs147459147	G	T	-0.261	0.024	0.486	1.98E-28	-0.005	0.017	0.747	0.032	122.239	TRUE	3.97E-27
COPD in never smokers	RPTOR	cg15096353	rs2589138	T	C	-0.244	0.028	0.230	3.36E-18	-0.038	0.020	0.058	0.020	75.626	TRUE	1.90E-16
COPD in never smokers	RPTOR	cg15096353	rs35832855	C	T	0.132	0.024	0.436	2.10E-08	0.016	0.017	0.346	0.008	31.381	TRUE	8.44E-08
COPD in never smokers	RPTOR	cg15096353	rs4969429	A	G	0.280	0.026	0.273	1.21E-26	0.051	0.019	0.006	0.030	114.092	TRUE	1.29E-23
COPD in never smokers	RPTOR	cg15096353	rs62067893	T	C	0.520	0.069	0.037	7.26E-14	-0.122	0.049	0.013	0.015	55.967	TRUE	3.87E-12
COPD in never smokers	RPTOR	cg15096353	rs62944760	C	A	-0.395	0.042	0.084	5.41E-21	-0.031	0.030	0.300	0.023	88.331	TRUE	1.35E-19
COPD in never smokers	RPTOR	cg15096353	rs72853735	G	A	0.326	0.036	0.118	1.57E-19	-0.016	0.026	0.542	0.022	81.678	TRUE	1.70E-18
COPD in never smokers	RPTOR	cg15097361	rs11150745	G	A	-0.240	0.025	0.314	2.04E-21	-0.003	0.018	0.856	0.024	90.253	TRUE	1.43E-20
COPD in never smokers	RPTOR	cg15097361	rs118011999	A	G	-0.731	0.115	0.024	1.71E-10	-0.088	0.054	0.101	0.011	40.753	TRUE	1.87E-09
COPD in never smokers	RPTOR	cg15097361	rs12943620	T	G	-0.200	0.027	0.225	1.86E-13	-0.018	0.020	0.357	0.014	54.116	TRUE	1.43E-12
COPD in never smokers	RPTOR	cg15097361	rs183789618	A	G	-0.436	0.070	0.025	3.76E-10	-0.086	0.054	0.111	0.010	39.215	TRUE	3.71E-09
COPD in never smokers	RPTOR	cg15097361	rs2048753	A	G	-0.217	0.027	0.250	2.49E-16	0.007	0.019	0.718	0.018	67.131	TRUE	1.32E-15
COPD in never smokers	RPTOR	cg15097361	rs35352641	T	C	-0.735	0.038	0.209	1.04E-83	0.022	0.020	0.267	0.092	375.566	TRUE	2.63E-77
COPD in never smokers	RPTOR	cg15097361	rs368324269	T	C	-0.392	0.059	0.041	3.08E-11	-0.065	0.040	0.106	0.012	44.100	TRUE	3.75E-10
COPD in never smokers	RPTOR	cg15097361	rs7219745	C	A	0.263	0.033	0.141	2.44E-15	0.005	0.024	0.838	0.017	62.643	TRUE	9.43E-15
COPD in never smokers	RPTOR	cg15097361	rs7221948	C	T	-0.241	0.024	0.410	1.04E-23	-0.013	0.017	0.429	0.027	100.695	TRUE	2.56E-22
COPD in never smokers	RPTOR	cg15097361	rs7225476	G	A	0.140	0.024	0.464	3.22E-09	-0.008	0.016	0.642	0.009	35.025	TRUE	9.05E-09
COPD in never smokers	RPTOR	cg15097361	rs72858264	C	A	-0.416	0.066	0.031	3.35E-10	0.059	0.050	0.233	0.011	39.436	TRUE	2.22E-09
COPD in never smokers	RPTOR	cg15097361	rs75293675	T	C	0.235	0.031	0.168	6.57E-14	0.075	0.022	6.77E-04	0.015	56.163	TRUE	1.03E-11
COPD in never smokers	RPTOR	cg15116918	rs7209576	A	G	0.149	0.023	0.452	1.80E-10	0.013	0.017	0.441	0.011	40.654	TRUE	7.96E-10
COPD in never smokers	RPTOR	cg15228441	rs2048753	A	G	-0.173	0.027	0.250	6.76E-11	0.007	0.019	0.718	0.011	42.566	TRUE	2.03E-10
COPD in never smokers	RPTOR	cg15228441	rs2672893	A	G	0.216	0.031	0.160	4.00E-12	0.015	0.022	0.513	0.013	48.096	TRUE	1.90E-11
COPD in never smokers	RPTOR	cg15228441	rs28377011	C	T	-0.322	0.042	0.082	1.71E-14	-0.052	0.031	0.089	0.016	58.812	TRUE	3.95E-13
COPD in never smokers	RPTOR	cg15228441	rs35352641	T	C	-0.634	0.038	0.209	1.43E-61	0.022	0.020	0.267	0.069	273.981	TRUE	3.45E-57
COPD in never smokers	RPTOR	cg15230985	rs117219902	A	G	-0.250	0.045	0.072	3.18E-08	-0.020	0.032	0.541	0.008	30.580	TRUE	9.18E-08
COPD in never smokers	RPTOR	cg15230985	rs118107399	T	C	0.917	0.149	0.014	6.62E-10	0.084	0.075	0.266	0.010	38.108	TRUE	3.87E-09
COPD in never smokers	RPTOR	cg15230985	rs35926934	A	G	0.809	0.036	0.117	6.02E-113	0.072	0.026	0.005	0.121	509.828	TRUE	9.42E-101
COPD in never smokers	RPTOR	cg15230985	rs4453556	G	A	0.186	0.024	0.417	4.35E-15	0.021	0.017	0.215	0.016	61.504	TRUE	6.23E-14
COPD in never smokers	RPTOR	cg15230985	rs4969230	C	T	-0.377	0.024	0.401	1.49E-56	-0.034	0.017	0.044	0.064	250.973	TRUE	1.37E-51
COPD in never smokers	RPTOR	cg15230985	rs9890464	C	T	-0.167	0.024	0.491	1.40E-12	-0.026	0.016	0.120	0.013	50.152	TRUE	1.99E-11
COPD in never smokers	RPTOR	cg15230985	rs9904611	A	G	-0.168	0.027	0.254	9.68E-10	-0.016	0.020	0.409	0.010	37.368	TRUE	4.14E-09
COPD in never smokers	RPTOR	cg15358690	rs113059224	A	G	-0.369	0.043	0.070	9.53E-18	-0.030	0.027	0.268	0.020	73.569	TRUE	1.67E-16
COPD in never smokers	RPTOR	cg15358690	rs113335931	G	A	0.200	0.033	0.150	7.33E-10	0.004	0.024	0.861	0.010	37.909	TRUE	1.63E-09
COPD in never smokers	RPTOR	cg15358690	rs113714895	T	C	-0.503	0.042	0.080	2.04E-32	0.014	0.027	0.604	0.037	140.457	TRUE	9.93E-31
COPD in never smokers	RPTOR	cg15358690	rs11651707	T	C	-0.877	0.023	0.245	<1E-200	0.005	0.019	0.788	0.278	1425.488	TRUE	2.81E-270
COPD in never smokers	RPTOR	cg15358690	rs11655877	C	T	-0.296	0.023	0.406	1.86E-36	0.005	0.017	0.774	0.041	158.927	TRUE	9.88E-35

COPD in never smokers	RPTOR	cg15358690	rs11868966	C	A	0.401	0.032	0.167	7.07E-37	0.004	0.022	0.842	0.042	160.846	TRUE	3.31E-35
COPD in never smokers	RPTOR	cg15358690	rs12449867	C	T	0.146	0.025	0.343	3.26E-09	0.017	0.018	0.353	0.009	35.006	TRUE	1.44E-08
COPD in never smokers	RPTOR	cg15358690	rs183036865	A	G	-0.359	0.056	0.041	1.75E-10	-0.013	0.041	0.756	0.011	40.709	TRUE	4.76E-10
COPD in never smokers	RPTOR	cg15358690	rs62068550	A	G	0.304	0.035	0.143	1.58E-18	-0.025	0.025	0.311	0.020	77.112	TRUE	2.71E-17
COPD in never smokers	RPTOR	cg15358690	rs72851827	A	G	0.272	0.050	0.080	4.25E-08	-0.011	0.032	0.733	0.008	30.015	TRUE	9.46E-08
COPD in never smokers	RPTOR	cg15358690	rs868432	A	G	-0.393	0.023	0.444	1.21E-65	0.012	0.017	0.484	0.073	292.661	TRUE	2.10E-61
COPD in never smokers	RPTOR	cg15358690	rs9899178	T	C	-0.367	0.025	0.354	1.78E-49	-0.021	0.017	0.233	0.056	218.531	TRUE	5.56E-46
COPD in never smokers	RPTOR	cg15476425	rs2589135	T	C	-0.137	0.024	0.457	6.25E-09	0.000	0.017	0.999	0.009	33.737	TRUE	1.08E-08
COPD in never smokers	RPTOR	cg15476425	rs56233717	C	T	0.404	0.036	0.264	1.89E-28	0.034	0.019	0.070	0.032	122.327	TRUE	5.50E-26
COPD in never smokers	RPTOR	cg15616522	rs2589119	A	G	0.208	0.036	0.117	9.32E-09	-0.005	0.027	0.861	0.009	32.961	TRUE	1.88E-08
COPD in never smokers	RPTOR	cg15616522	rs2589131	A	G	0.205	0.033	0.152	9.20E-10	0.079	0.022	4.33E-04	0.010	37.466	TRUE	5.41E-08
COPD in never smokers	RPTOR	cg15616522	rs6565473	C	T	0.166	0.023	0.472	1.34E-12	-0.005	0.016	0.743	0.013	50.246	TRUE	4.59E-12
COPD in never smokers	RPTOR	cg15616522	rs7212390	A	G	-0.503	0.029	0.198	2.91E-67	-0.017	0.021	0.433	0.075	300.085	TRUE	8.74E-63
COPD in never smokers	RPTOR	cg15616522	rs75747760	T	C	-0.309	0.041	0.088	5.41E-14	-0.030	0.030	0.308	0.015	56.546	TRUE	5.02E-13
COPD in never smokers	RPTOR	cg15694704	rs115579065	T	C	-0.302	0.044	0.089	8.89E-12	-0.052	0.029	0.078	0.012	46.534	TRUE	1.39E-10
COPD in never smokers	RPTOR	cg15694704	rs12950583	A	G	-0.997	0.025	0.214	<1E-200	0.015	0.020	0.469	0.298	1570.896	TRUE	1.86E-293
COPD in never smokers	RPTOR	cg15694704	rs2672878	T	C	0.233	0.026	0.263	5.95E-19	0.005	0.018	0.786	0.021	79.042	TRUE	3.67E-18
COPD in never smokers	RPTOR	cg15694704	rs4306553	A	G	-0.134	0.024	0.395	2.58E-08	-0.022	0.017	0.193	0.008	30.982	TRUE	1.42E-07
COPD in never smokers	RPTOR	cg15694704	rs6565515	T	C	0.261	0.028	0.245	9.82E-21	0.006	0.019	0.761	0.023	87.151	TRUE	7.73E-20
COPD in never smokers	RPTOR	cg15694704	rs7220687	C	T	-0.288	0.026	0.289	6.31E-29	0.033	0.018	0.072	0.033	124.506	TRUE	1.95E-26
COPD in never smokers	RPTOR	cg15694704	rs9898178	G	A	0.182	0.033	0.138	4.86E-08	0.032	0.023	0.169	0.008	29.756	TRUE	2.73E-07
COPD in never smokers	RPTOR	cg15815120	rs11150745	G	A	0.161	0.025	0.314	1.08E-10	-0.003	0.018	0.856	0.011	41.644	TRUE	2.62E-10
COPD in never smokers	RPTOR	cg15815120	rs62069406	C	T	0.591	0.054	0.051	1.02E-27	-0.012	0.038	0.759	0.031	118.981	TRUE	1.83E-26
COPD in never smokers	RPTOR	cg15946337	rs201407779	A	G	-0.276	0.041	0.090	1.56E-11	-0.019	0.029	0.516	0.012	45.431	TRUE	6.89E-11
COPD in never smokers	RPTOR	cg15946337	rs72853711	C	T	-0.268	0.037	0.115	3.01E-13	-0.049	0.027	0.068	0.014	53.176	TRUE	6.52E-12
COPD in never smokers	RPTOR	cg16015295	rs10871489	G	A	-0.145	0.026	0.301	1.46E-08	0.022	0.018	0.220	0.009	32.089	TRUE	7.79E-08
COPD in never smokers	RPTOR	cg16015295	rs11150745	G	A	-0.357	0.025	0.314	5.85E-46	-0.003	0.018	0.856	0.052	202.422	TRUE	9.48E-44
COPD in never smokers	RPTOR	cg16015295	rs1131609	A	G	-0.215	0.027	0.243	5.77E-16	-0.023	0.019	0.239	0.017	65.480	TRUE	8.65E-15
COPD in never smokers	RPTOR	cg16015295	rs118107399	T	C	0.928	0.149	0.014	4.19E-10	0.084	0.075	0.266	0.010	39.003	TRUE	2.51E-09
COPD in never smokers	RPTOR	cg16015295	rs2340773	T	C	0.880	0.036	0.116	3.96E-133	0.071	0.026	0.006	0.140	602.553	TRUE	2.46E-118
COPD in never smokers	RPTOR	cg16015295	rs4889856	C	T	-0.153	0.023	0.435	6.70E-11	-0.024	0.017	0.153	0.011	42.580	TRUE	6.31E-10
COPD in never smokers	RPTOR	cg16015295	rs4969404	T	C	-0.175	0.024	0.402	3.50E-13	-0.033	0.017	0.046	0.014	52.875	TRUE	9.22E-12
COPD in never smokers	RPTOR	cg16015295	rs62067183	T	C	-0.137	0.024	0.395	1.16E-08	-0.001	0.017	0.973	0.009	32.528	TRUE	2.04E-08
COPD in never smokers	RPTOR	cg16015295	rs7217174	T	C	-0.687	0.028	0.201	7.30E-129	-0.012	0.021	0.564	0.136	582.955	TRUE	2.78E-118
COPD in never smokers	RPTOR	cg16015295	rs72852801	A	G	-0.386	0.044	0.076	1.89E-18	-0.029	0.033	0.367	0.020	76.760	TRUE	2.74E-17
COPD in never smokers	RPTOR	cg16015295	rs72853728	C	T	-0.294	0.034	0.144	1.64E-18	-0.006	0.024	0.803	0.020	77.037	TRUE	9.36E-18
COPD in never smokers	RPTOR	cg16015295	rs72859613	T	C	0.403	0.073	0.020	3.50E-08	0.077	0.053	0.152	0.008	30.394	TRUE	2.12E-07
COPD in never smokers	RPTOR	cg16015295	rs80146578	T	C	-0.232	0.024	0.425	1.73E-22	0.010	0.018	0.581	0.025	95.138	TRUE	2.47E-21
COPD in never smokers	RPTOR	cg16018154	rs113714895	T	C	-0.474	0.043	0.080	7.17E-29	0.014	0.027	0.604	0.032	124.252	TRUE	2.18E-27
COPD in never smokers	RPTOR	cg16018154	rs11658145	C	T	0.162	0.027	0.246	2.12E-09	-0.006	0.019	0.769	0.010	35.837	TRUE	5.12E-09
COPD in never smokers	RPTOR	cg16018154	rs2289765	G	A	0.873	0.034	0.137	7.62E-148	-0.022	0.026	0.400	0.153	670.180	TRUE	2.40E-134
COPD in never smokers	RPTOR	cg16018154	rs4969236	C	T	-0.283	0.023	0.495	7.85E-34	-0.018	0.017	0.285	0.038	146.919	TRUE	1.38E-31

COPD in never smokers	RPTOR	cg16018154	rs4969238	C	T	0.162	0.024	0.379	2.31E-11	0.008	0.017	0.627	0.012	44.666	TRUE	8.33E-11
COPD in never smokers	RPTOR	cg16018154	rs4969284	A	G	-0.860	0.020	0.439	<1E-200	-0.009	0.017	0.581	0.337	1884.356	TRUE	<1E-200
COPD in never smokers	RPTOR	cg16018154	rs4969313	A	G	-0.351	0.024	0.391	5.68E-48	-0.022	0.017	0.194	0.054	211.645	TRUE	1.74E-44
COPD in never smokers	RPTOR	cg16018154	rs56116211	A	G	0.307	0.023	0.476	9.30E-41	-0.015	0.017	0.374	0.046	178.607	TRUE	3.34E-38
COPD in never smokers	RPTOR	cg16018154	rs59695750	T	C	0.158	0.023	0.495	1.80E-11	-0.028	0.017	0.095	0.012	45.150	TRUE	2.41E-10
COPD in never smokers	RPTOR	cg16018154	rs6565488	A	C	0.539	0.033	0.135	9.83E-60	0.030	0.024	0.210	0.067	265.556	TRUE	2.43E-55
COPD in never smokers	RPTOR	cg16018154	rs68130532	C	T	-0.183	0.030	0.198	9.53E-10	-0.020	0.022	0.365	0.010	37.398	TRUE	4.42E-09
COPD in never smokers	RPTOR	cg16018154	rs72857988	T	C	0.386	0.050	0.050	1.36E-14	-0.009	0.035	0.799	0.016	59.255	TRUE	5.22E-14
COPD in never smokers	RPTOR	cg16018154	rs7502321	C	T	0.173	0.024	0.386	6.35E-13	0.020	0.017	0.241	0.014	51.708	TRUE	6.10E-12
COPD in never smokers	RPTOR	cg16115689	rs9912037	A	C	0.167	0.025	0.367	1.53E-11	0.031	0.017	0.072	0.012	45.476	TRUE	2.38E-10
COPD in never smokers	RPTOR	cg16116279	rs11653319	T	C	-0.162	0.027	0.291	2.44E-09	-0.006	0.019	0.755	0.010	35.570	TRUE	5.95E-09
COPD in never smokers	RPTOR	cg16116279	rs6565484	C	T	-0.387	0.023	0.485	6.98E-65	0.016	0.016	0.317	0.073	289.168	TRUE	2.40E-60
COPD in never smokers	RPTOR	cg16116279	rs72857980	T	C	-0.342	0.050	0.051	8.65E-12	-0.008	0.035	0.826	0.012	46.588	TRUE	2.42E-11
COPD in never smokers	RPTOR	cg16116279	rs908240	G	A	-0.141	0.024	0.458	2.32E-09	-0.015	0.017	0.368	0.010	35.666	TRUE	1.02E-08
COPD in never smokers	RPTOR	cg16116279	rs9909367	G	A	-0.221	0.029	0.215	2.97E-14	0.010	0.020	0.615	0.015	57.724	TRUE	1.50E-13
COPD in never smokers	RPTOR	cg16541275	rs2672898	C	T	-0.196	0.029	0.206	1.20E-11	-0.027	0.021	0.209	0.012	45.947	TRUE	1.05E-10
COPD in never smokers	RPTOR	cg16565901	rs2291360	A	G	0.192	0.025	0.367	1.09E-14	0.033	0.017	0.058	0.016	59.691	TRUE	3.35E-13
COPD in never smokers	RPTOR	cg16578291	rs112300010	C	T	-0.201	0.027	0.238	1.87E-13	-0.004	0.020	0.824	0.014	54.104	TRUE	6.17E-13
COPD in never smokers	RPTOR	cg16636468	rs17848624	C	A	-0.284	0.041	0.088	6.56E-12	-0.015	0.029	0.621	0.013	47.129	TRUE	2.54E-11
COPD in never smokers	RPTOR	cg16636468	rs7209132	C	T	0.191	0.025	0.365	1.36E-14	0.030	0.017	0.084	0.016	59.259	TRUE	3.31E-13
COPD in never smokers	RPTOR	cg16636468	rs7212390	A	G	-0.252	0.030	0.198	1.45E-17	-0.017	0.021	0.433	0.019	72.737	TRUE	1.59E-16
COPD in never smokers	RPTOR	cg16638092	rs111396639	A	G	0.220	0.027	0.258	2.22E-16	0.003	0.020	0.873	0.018	67.359	TRUE	8.98E-16
COPD in never smokers	RPTOR	cg16638092	rs11150745	G	A	-0.260	0.025	0.314	7.16E-25	-0.003	0.018	0.856	0.028	106.002	TRUE	7.35E-24
COPD in never smokers	RPTOR	cg16638092	rs114177791	T	G	0.177	0.029	0.215	5.51E-10	0.012	0.020	0.538	0.010	38.468	TRUE	1.96E-09
COPD in never smokers	RPTOR	cg16638092	rs4969429	A	G	0.176	0.026	0.273	2.35E-11	0.051	0.019	0.006	0.012	44.631	TRUE	9.80E-10
COPD in never smokers	RPTOR	cg16638092	rs62070202	T	C	-0.290	0.042	0.079	4.85E-12	-0.033	0.031	0.277	0.013	47.720	TRUE	3.73E-11
COPD in never smokers	RPTOR	cg16638092	rs7212390	A	G	-0.364	0.029	0.198	6.59E-35	-0.017	0.021	0.433	0.039	151.839	TRUE	7.73E-33
COPD in never smokers	RPTOR	cg16638092	rs72853774	G	T	0.189	0.034	0.138	2.58E-08	0.000	0.025	0.996	0.008	30.986	TRUE	4.27E-08
COPD in never smokers	RPTOR	cg16660971	rs2289762	A	G	-0.298	0.027	0.245	4.08E-29	0.005	0.019	0.785	0.033	125.371	TRUE	8.15E-28
COPD in never smokers	RPTOR	cg16660971	rs2289764	C	T	0.394	0.027	0.241	2.44E-47	0.001	0.020	0.940	0.053	208.742	TRUE	3.79E-45
COPD in never smokers	RPTOR	cg16886414	rs113714895	T	C	0.281	0.043	0.080	5.44E-11	0.014	0.027	0.604	0.011	42.989	TRUE	1.96E-10
COPD in never smokers	RPTOR	cg16886414	rs142546211	A	G	-0.727	0.109	0.019	2.15E-11	-0.058	0.056	0.303	0.012	44.809	TRUE	1.42E-10
COPD in never smokers	RPTOR	cg16886414	rs183036865	A	G	0.425	0.056	0.041	4.41E-14	-0.013	0.041	0.756	0.015	56.947	TRUE	1.72E-13
COPD in never smokers	RPTOR	cg16886414	rs2289764	C	T	-0.238	0.027	0.241	4.56E-18	0.001	0.020	0.940	0.020	75.023	TRUE	1.93E-17
COPD in never smokers	RPTOR	cg16886414	rs4969219	G	T	-0.147	0.024	0.388	1.27E-09	-0.010	0.017	0.566	0.010	36.835	TRUE	4.16E-09
COPD in never smokers	RPTOR	cg16886414	rs4969329	G	A	0.203	0.028	0.251	2.19E-13	0.007	0.019	0.727	0.014	53.802	TRUE	8.34E-13
COPD in never smokers	RPTOR	cg16886414	rs71368095	A	G	0.704	0.027	0.219	1.60E-153	-0.004	0.020	0.846	0.158	696.272	TRUE	2.00E-140
COPD in never smokers	RPTOR	cg16886414	rs7220687	C	T	-0.381	0.026	0.289	9.31E-50	0.033	0.018	0.072	0.056	219.823	TRUE	1.30E-45
COPD in never smokers	RPTOR	cg16886414	rs72850524	T	C	0.448	0.064	0.037	2.23E-12	-0.017	0.042	0.692	0.013	49.246	TRUE	8.09E-12
COPD in never smokers	RPTOR	cg16886414	rs72859646	T	C	-0.904	0.068	0.026	1.18E-40	0.051	0.049	0.296	0.046	178.139	TRUE	5.81E-38
COPD in never smokers	RPTOR	cg16892887	rs11656246	A	G	-0.307	0.026	0.241	4.50E-31	0.004	0.019	0.822	0.035	134.310	TRUE	1.05E-29
COPD in never smokers	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	-0.001	0.041	0.972	0.011	40.360	TRUE	4.21E-10

COPD in never smokers	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	0.019	0.021	0.354	0.016	60.193	TRUE	7.81E-14
COPD in never smokers	RPTOR	cg16892887	rs3751934	A	C	-0.177	0.024	0.401	1.90E-13	-0.025	0.017	0.149	0.014	54.077	TRUE	2.72E-12
COPD in never smokers	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	0.051	0.049	0.296	0.011	42.303	TRUE	4.80E-10
COPD in never smokers	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	0.012	0.017	0.484	0.011	42.634	TRUE	2.83E-10
COPD in never smokers	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	-0.013	0.022	0.561	0.028	105.290	TRUE	2.03E-23
COPD in never smokers	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	-0.028	0.018	0.114	0.027	101.286	TRUE	7.01E-22
COPD in never smokers	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	-0.018	0.020	0.357	0.008	31.398	TRUE	8.19E-08
COPD in never smokers	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	-0.031	0.030	0.290	0.022	83.367	TRUE	1.48E-18
COPD in never smokers	RPTOR	cg16980736	rs2138118	A	C	0.158	0.024	0.483	2.52E-11	-0.017	0.017	0.310	0.012	44.495	TRUE	1.62E-10
COPD in never smokers	RPTOR	cg16980736	rs2589131	A	G	-0.530	0.033	0.152	1.01E-57	0.079	0.022	4.33E-04	0.065	256.328	TRUE	5.44E-51
COPD in never smokers	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	-0.024	0.017	0.153	0.008	31.087	TRUE	1.51E-07
COPD in never smokers	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	-0.020	0.039	0.609	0.024	92.237	TRUE	9.29E-21
COPD in never smokers	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	0.073	0.024	0.002	0.010	36.268	TRUE	6.31E-08
COPD in never smokers	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	0.023	0.040	0.569	0.008	30.872	TRUE	7.65E-08
COPD in never smokers	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	-0.004	0.020	0.830	0.011	39.759	TRUE	6.86E-10
COPD in never smokers	RPTOR	cg17060157	rs4889874	G	A	0.149	0.027	0.239	5.00E-08	0.038	0.019	0.045	0.008	29.701	TRUE	4.88E-07
COPD in never smokers	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	-0.029	0.018	0.101	0.032	122.625	TRUE	3.54E-26
COPD in never smokers	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	0.013	0.021	0.525	0.011	42.439	TRUE	2.90E-10
COPD in never smokers	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	0.019	0.021	0.354	0.016	59.059	TRUE	1.34E-13
COPD in never smokers	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	-0.007	0.032	0.835	0.010	36.306	TRUE	3.73E-09
COPD in never smokers	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	0.004	0.019	0.838	0.056	220.988	TRUE	1.64E-47
COPD in never smokers	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	-0.025	0.025	0.311	0.011	39.703	TRUE	1.62E-09
COPD in never smokers	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	0.051	0.049	0.296	0.014	53.870	TRUE	1.87E-12
COPD in never smokers	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	-0.023	0.017	0.189	0.008	29.793	TRUE	2.54E-07
COPD in never smokers	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	0.009	0.021	0.666	0.279	1428.138	TRUE	2.60E-270
COPD in never smokers	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	0.013	0.062	0.840	0.015	56.667	TRUE	1.72E-13
COPD in never smokers	RPTOR	cg17481637	rs117878919	A	G	0.309	0.055	0.092	1.58E-08	-0.020	0.028	0.470	0.009	31.933	TRUE	5.26E-08
COPD in never smokers	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	0.020	0.020	0.312	0.010	36.376	TRUE	8.05E-09
COPD in never smokers	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	-0.048	0.017	0.005	0.018	68.429	TRUE	1.77E-14
COPD in never smokers	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	0.001	0.017	0.948	0.031	116.789	TRUE	3.39E-26
COPD in never smokers	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	-0.022	0.021	0.280	0.010	35.644	TRUE	1.23E-08
COPD in never smokers	RPTOR	cg17481637	rs56179246	G	A	-0.405	0.045	0.075	1.51E-19	0.036	0.033	0.270	0.022	81.757	TRUE	3.39E-18
COPD in never smokers	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	0.034	0.021	0.113	0.014	53.488	TRUE	4.26E-12
COPD in never smokers	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	0.017	0.017	0.309	0.022	82.506	TRUE	2.10E-18
COPD in never smokers	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	-0.005	0.069	0.943	0.011	40.621	TRUE	3.86E-10
COPD in never smokers	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	0.019	0.021	0.354	0.026	99.279	TRUE	6.28E-22
COPD in never smokers	RPTOR	cg17628491	rs13341621	A	G	-0.373	0.050	0.080	7.91E-14	-0.007	0.032	0.837	0.015	55.799	TRUE	2.64E-13
COPD in never smokers	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	-0.058	0.056	0.303	0.020	74.413	TRUE	1.01E-16
COPD in never smokers	RPTOR	cg17628491	rs143673290	A	G	-0.502	0.089	0.039	1.76E-08	0.045	0.044	0.299	0.009	31.726	TRUE	7.80E-08
COPD in never smokers	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	-0.030	0.065	0.642	0.013	48.407	TRUE	1.32E-11
COPD in never smokers	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	0.001	0.020	0.940	0.466	3226.955	TRUE	<1E-200
COPD in never smokers	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	-0.021	0.017	0.213	0.008	31.139	TRUE	1.25E-07

COPD in never smokers	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	0.002	0.024	0.938	0.013	49.367	TRUE	5.26E-12
COPD in never smokers	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	-0.025	0.025	0.311	0.017	64.381	TRUE	1.18E-14
COPD in never smokers	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	0.009	0.016	0.589	0.075	298.255	TRUE	1.02E-62
COPD in never smokers	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	-0.049	0.027	0.068	0.009	35.133	TRUE	3.20E-08
COPD in never smokers	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	0.051	0.049	0.296	0.050	193.782	TRUE	3.92E-41
COPD in never smokers	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	0.014	0.076	0.856	0.012	45.677	TRUE	3.62E-11
COPD in never smokers	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	-0.133	0.079	0.094	0.008	31.152	TRUE	1.83E-07
COPD in never smokers	RPTOR	cg17628491	rs8070259	T	C	-0.159	0.028	0.238	8.19E-09	0.026	0.020	0.178	0.009	33.212	TRUE	5.09E-08
COPD in never smokers	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	0.013	0.021	0.525	0.008	30.261	TRUE	1.10E-07
COPD in never smokers	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	0.005	0.018	0.786	0.015	55.708	TRUE	2.99E-13
COPD in never smokers	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	-0.003	0.019	0.856	0.032	122.840	TRUE	2.31E-27
COPD in never smokers	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	0.004	0.017	0.789	0.010	37.304	TRUE	2.42E-09
COPD in never smokers	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	-0.003	0.017	0.844	0.080	320.196	TRUE	1.57E-67
COPD in never smokers	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	-0.029	0.025	0.245	0.009	32.807	TRUE	5.19E-08
COPD in never smokers	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	0.036	0.045	0.419	0.009	32.642	TRUE	4.03E-08
COPD in never smokers	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	-0.030	0.027	0.268	0.010	38.913	TRUE	2.61E-09
COPD in never smokers	RPTOR	cg17906851	rs1137045	G	A	0.136	0.023	0.472	4.58E-09	0.008	0.017	0.629	0.009	34.342	TRUE	1.29E-08
COPD in never smokers	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	0.014	0.027	0.604	0.042	161.747	TRUE	4.21E-35
COPD in never smokers	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	0.054	0.035	0.125	0.018	69.264	TRUE	2.31E-15
COPD in never smokers	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	-0.002	0.068	0.975	0.011	41.759	TRUE	2.10E-10
COPD in never smokers	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	-0.033	0.047	0.478	0.034	129.932	TRUE	2.09E-28
COPD in never smokers	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	0.004	0.021	0.850	0.013	46.915	TRUE	1.99E-11
COPD in never smokers	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	-0.004	0.019	0.854	0.112	468.317	TRUE	8.59E-97
COPD in never smokers	RPTOR	cg17906851	rs71368095	A	G	-0.502	0.027	0.219	4.10E-75	-0.004	0.020	0.846	0.083	336.110	TRUE	1.04E-70
COPD in never smokers	RPTOR	cg17906851	rs7218426	T	C	0.387	0.056	0.051	2.95E-12	0.009	0.039	0.810	0.013	48.698	TRUE	8.82E-12
COPD in never smokers	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	-0.019	0.017	0.253	0.008	31.275	TRUE	1.07E-07
COPD in never smokers	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	-0.017	0.042	0.692	0.015	54.467	TRUE	6.39E-13
COPD in never smokers	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	0.051	0.049	0.296	0.011	41.541	TRUE	6.92E-10
COPD in never smokers	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	-0.051	0.028	0.068	0.035	133.841	TRUE	2.64E-28
COPD in never smokers	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	-0.021	0.017	0.203	0.532	4204.107	TRUE	<1E-200
COPD in never smokers	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	0.024	0.020	0.215	0.070	277.053	TRUE	1.19E-57
COPD in never smokers	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	-0.014	0.057	0.803	0.008	31.598	TRUE	3.97E-08
COPD in never smokers	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	0.012	0.017	0.484	0.052	204.697	TRUE	1.09E-43
COPD in never smokers	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	0.003	0.024	0.910	0.012	45.994	TRUE	2.87E-11
COPD in never smokers	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	0.012	0.019	0.518	0.018	68.397	TRUE	1.05E-15
COPD in never smokers	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	-0.005	0.016	0.774	0.036	136.287	TRUE	4.61E-30
COPD in never smokers	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	0.006	0.031	0.856	0.008	31.151	TRUE	4.65E-08
COPD in never smokers	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	0.008	0.017	0.634	0.020	77.265	TRUE	1.17E-17
COPD in never smokers	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	0.014	0.024	0.566	0.011	42.769	TRUE	2.31E-10
COPD in never smokers	RPTOR	cg17956530	rs56179246	G	A	-0.719	0.044	0.075	2.97E-59	0.036	0.033	0.270	0.066	263.354	TRUE	4.50E-55
COPD in never smokers	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	-0.049	0.027	0.068	0.023	87.291	TRUE	7.26E-19
COPD in never smokers	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	0.000	0.024	0.988	0.009	35.276	TRUE	5.11E-09

COPD in never smokers	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	0.034	0.021	0.113	0.024	89.850	TRUE	1.53E-19
COPD in never smokers	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	-0.017	0.031	0.596	0.281	1445.230	TRUE	6.01E-273
COPD in never smokers	RPTOR	cg18091083	rs112172082	G	A	-0.148	0.024	0.492	4.54E-10	-0.014	0.017	0.425	0.010	38.843	TRUE	1.97E-09
COPD in never smokers	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	-0.023	0.017	0.184	0.012	44.645	TRUE	2.12E-10
COPD in never smokers	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	0.007	0.019	0.718	0.023	88.440	TRUE	4.54E-20
COPD in never smokers	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	-0.009	0.017	0.588	0.017	65.564	TRUE	3.58E-15
COPD in never smokers	RPTOR	cg18091083	rs55737346	C	T	-0.534	0.073	0.034	2.34E-13	-0.008	0.042	0.845	0.014	53.663	TRUE	7.39E-13
COPD in never smokers	RPTOR	cg18091083	rs73368831	C	A	-1.433	0.051	0.045	1.22E-173	0.028	0.037	0.442	0.176	788.744	TRUE	1.40E-156
COPD in never smokers	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	-0.004	0.020	0.843	0.031	119.579	TRUE	1.13E-26
COPD in never smokers	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	-0.030	0.027	0.268	0.014	53.078	TRUE	2.94E-12
COPD in never smokers	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	0.004	0.024	0.861	0.018	69.142	TRUE	3.85E-16
COPD in never smokers	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	0.014	0.027	0.604	0.026	98.870	TRUE	3.93E-22
COPD in never smokers	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	0.054	0.035	0.125	0.013	50.255	TRUE	1.85E-11
COPD in never smokers	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	-0.018	0.017	0.285	0.035	133.856	TRUE	6.41E-29
COPD in never smokers	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	0.008	0.017	0.627	0.014	52.062	TRUE	2.29E-12
COPD in never smokers	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	-0.006	0.031	0.842	0.014	50.958	TRUE	2.78E-12
COPD in never smokers	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	-0.004	0.019	0.842	0.009	32.639	TRUE	2.26E-08
COPD in never smokers	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	-0.024	0.029	0.405	0.010	38.274	TRUE	2.69E-09
COPD in never smokers	RPTOR	cg18425700	rs68130532	C	T	0.187	0.030	0.198	4.07E-10	-0.020	0.022	0.365	0.010	39.059	TRUE	1.98E-09
COPD in never smokers	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	-0.004	0.020	0.846	0.078	314.425	TRUE	2.23E-66
COPD in never smokers	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	-0.021	0.017	0.203	0.352	2010.044	TRUE	<1E-200
COPD in never smokers	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	-0.051	0.028	0.067	0.008	30.398	TRUE	3.02E-07
COPD in never smokers	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	0.012	0.017	0.484	0.044	171.059	TRUE	7.65E-37
COPD in never smokers	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	-0.010	0.017	0.580	0.010	36.122	TRUE	5.77E-09
COPD in never smokers	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	0.001	0.017	0.965	0.010	38.530	TRUE	1.05E-09
COPD in never smokers	RPTOR	cg18607849	rs534707986	G	A	-0.270	0.043	0.079	3.17E-10	-0.016	0.032	0.614	0.011	39.544	TRUE	1.03E-09
COPD in never smokers	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	-0.012	0.017	0.474	0.009	33.015	TRUE	3.08E-08
COPD in never smokers	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	0.063	0.020	0.002	0.023	85.240	TRUE	1.17E-17
COPD in never smokers	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	-0.018	0.020	0.357	0.009	35.105	TRUE	1.36E-08
COPD in never smokers	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	0.031	0.017	0.068	0.077	308.823	TRUE	2.99E-63
COPD in never smokers	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	-0.023	0.029	0.435	0.015	57.192	TRUE	2.75E-13
COPD in never smokers	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	0.022	0.042	0.601	0.015	54.566	TRUE	7.11E-13
COPD in never smokers	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	-0.017	0.026	0.517	0.010	36.696	TRUE	4.80E-09
COPD in never smokers	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	-0.122	0.049	0.013	0.010	37.556	TRUE	1.95E-08
COPD in never smokers	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	-0.019	0.019	0.310	0.009	33.443	TRUE	3.33E-08
COPD in never smokers	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	0.042	0.018	0.016	0.080	319.702	TRUE	1.11E-64
COPD in never smokers	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	-0.015	0.017	0.367	0.010	36.422	TRUE	7.07E-09
COPD in never smokers	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	0.012	0.017	0.462	0.009	33.497	TRUE	2.48E-08
COPD in never smokers	RPTOR	cg18780100	rs9915667	A	G	0.178	0.024	0.438	4.64E-14	0.025	0.017	0.125	0.015	56.844	TRUE	8.18E-13
COPD in never smokers	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	0.054	0.035	0.125	0.012	45.247	TRUE	1.99E-10
COPD in never smokers	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	0.005	0.018	0.786	0.014	53.123	TRUE	1.05E-12
COPD in never smokers	RPTOR	cg19060120	rs34781048	A	G	0.164	0.024	0.434	8.07E-12	-0.032	0.017	0.052	0.012	46.724	TRUE	1.54E-10

COPD in never smokers	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	0.014	0.024	0.566	0.034	130.485	TRUE	1.25E-28
COPD in never smokers	RPTOR	cg19060120	rs68130532	C	T	-0.204	0.030	0.198	9.62E-12	-0.020	0.022	0.365	0.012	46.380	TRUE	5.80E-11
COPD in never smokers	RPTOR	cg19060120	rs72850576	A	C	-0.185	0.033	0.155	1.48E-08	0.006	0.023	0.803	0.009	32.058	TRUE	3.16E-08
COPD in never smokers	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	-0.029	0.055	0.593	0.011	41.353	TRUE	4.41E-10
COPD in never smokers	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	0.005	0.017	0.774	0.026	99.388	TRUE	2.10E-22
COPD in never smokers	RPTOR	cg19292222	rs13341621	A	G	0.328	0.050	0.080	5.55E-11	-0.007	0.032	0.837	0.011	42.949	TRUE	1.42E-10
COPD in never smokers	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	-0.002	0.068	0.975	0.029	110.081	TRUE	8.01E-25
COPD in never smokers	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	0.005	0.022	0.835	0.125	527.692	TRUE	2.82E-108
COPD in never smokers	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	0.028	0.043	0.526	0.009	33.116	TRUE	2.71E-08
COPD in never smokers	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	0.017	0.016	0.314	0.049	190.676	TRUE	1.53E-40
COPD in never smokers	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	-0.009	0.035	0.799	0.164	725.624	TRUE	8.10E-146
COPD in never smokers	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	-0.003	0.017	0.835	0.022	82.705	TRUE	5.70E-19
COPD in never smokers	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	0.013	0.021	0.525	0.012	46.047	TRUE	5.03E-11
COPD in never smokers	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	0.005	0.018	0.786	0.035	133.965	TRUE	1.35E-29
COPD in never smokers	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	-0.032	0.037	0.379	0.019	73.524	TRUE	1.24E-16
COPD in never smokers	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	0.013	0.025	0.606	0.060	237.963	TRUE	1.28E-50
COPD in never smokers	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	-0.005	0.018	0.773	0.012	45.232	TRUE	5.08E-11
COPD in never smokers	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	-0.001	0.019	0.954	0.053	205.905	TRUE	1.38E-44
COPD in never smokers	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	-0.032	0.027	0.234	0.051	197.506	TRUE	9.59E-42
COPD in never smokers	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	0.000	0.017	0.978	0.441	2922.027	TRUE	<1E-200
COPD in never smokers	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	0.026	0.021	0.209	0.050	194.802	TRUE	3.91E-41
COPD in never smokers	RPTOR	cg19394169	rs9903399	C	T	0.231	0.041	0.222	1.56E-08	-0.007	0.020	0.740	0.009	31.960	TRUE	3.59E-08
COPD in never smokers	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	-0.007	0.017	0.700	0.053	206.602	TRUE	2.14E-44
COPD in never smokers	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	0.020	0.017	0.218	0.008	30.878	TRUE	1.40E-07
COPD in never smokers	RPTOR	cg19857461	rs4890053	G	A	-0.130	0.023	0.467	2.83E-08	-0.012	0.017	0.477	0.008	30.803	TRUE	9.03E-08
COPD in never smokers	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	-0.018	0.029	0.538	0.031	117.133	TRUE	7.65E-26
COPD in never smokers	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	-0.049	0.027	0.068	0.009	33.866	TRUE	5.82E-08
COPD in never smokers	RPTOR	cg20462129	rs534707986	G	A	-0.292	0.043	0.079	8.95E-12	-0.016	0.032	0.614	0.012	46.522	TRUE	3.45E-11
COPD in never smokers	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	-0.020	0.039	0.609	0.010	38.061	TRUE	2.15E-09
COPD in never smokers	RPTOR	cg20462129	rs9915667	A	G	-0.140	0.023	0.438	1.62E-09	0.025	0.017	0.125	0.010	36.364	TRUE	1.35E-08
COPD in never smokers	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	0.011	0.021	0.592	0.012	44.267	TRUE	1.07E-10
COPD in never smokers	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	0.001	0.017	0.965	0.015	56.992	TRUE	1.21E-13
COPD in never smokers	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	-0.088	0.040	0.028	0.038	144.150	TRUE	4.49E-30
COPD in never smokers	RPTOR	cg20500836	rs908241	A	G	-0.264	0.047	0.129	1.77E-08	-0.053	0.025	0.036	0.009	31.717	TRUE	2.05E-07
COPD in never smokers	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	-0.009	0.017	0.583	0.488	3524.466	TRUE	<1E-200
COPD in never smokers	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	-0.030	0.026	0.257	0.013	49.906	TRUE	1.38E-11
COPD in never smokers	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	0.029	0.035	0.404	0.031	117.598	TRUE	9.03E-26
COPD in never smokers	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	0.018	0.021	0.385	0.012	45.166	TRUE	9.98E-11
COPD in never smokers	RPTOR	cg20502501	rs2589131	A	G	-0.258	0.034	0.152	1.64E-14	0.079	0.022	4.33E-04	0.016	58.887	TRUE	3.45E-12
COPD in never smokers	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	-0.006	0.018	0.733	0.015	56.727	TRUE	1.99E-13
COPD in never smokers	RPTOR	cg20502501	rs4890053	G	A	0.223	0.024	0.467	3.88E-21	-0.012	0.017	0.477	0.023	88.988	TRUE	6.00E-20
COPD in never smokers	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	-0.020	0.039	0.609	0.034	129.225	TRUE	2.02E-28

COPD in never smokers	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	-0.019	0.029	0.505	0.036	138.193	TRUE	3.85E-30
COPD in never smokers	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	-0.026	0.016	0.115	0.012	44.178	TRUE	3.46E-10
COPD in never smokers	RPTOR	cg20502501	rs73368831	C	A	0.627	0.053	0.045	7.12E-32	0.028	0.037	0.442	0.036	137.973	TRUE	5.20E-30
COPD in never smokers	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	-0.051	0.032	0.109	0.042	162.462	TRUE	2.81E-34
COPD in never smokers	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	-0.012	0.017	0.464	0.052	203.321	TRUE	2.23E-43
COPD in never smokers	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	0.084	0.075	0.266	0.008	31.647	TRUE	8.67E-08
COPD in never smokers	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	0.038	0.021	0.069	0.072	287.126	TRUE	5.66E-59
COPD in never smokers	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	0.022	0.017	0.201	0.011	40.326	TRUE	1.58E-09
COPD in never smokers	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	0.046	0.017	0.006	0.010	35.825	TRUE	5.57E-08
COPD in never smokers	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	0.005	0.018	0.793	0.033	124.669	TRUE	1.12E-27
COPD in never smokers	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	-0.012	0.017	0.474	0.035	132.425	TRUE	6.49E-29
COPD in never smokers	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	-0.015	0.019	0.430	0.019	72.347	TRUE	1.93E-16
COPD in never smokers	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	0.003	0.019	0.879	0.304	1614.509	TRUE	3.32E-302
COPD in never smokers	RPTOR	cg21143224	rs112803228	A	G	-0.886	0.106	0.031	4.76E-17	-0.007	0.045	0.885	0.019	70.396	TRUE	2.01E-16
COPD in never smokers	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	-0.088	0.054	0.101	0.015	57.513	TRUE	6.79E-13
COPD in never smokers	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	0.002	0.017	0.892	0.009	33.969	TRUE	1.10E-08
COPD in never smokers	RPTOR	cg21143224	rs4072746	T	C	0.215	0.038	0.115	1.62E-08	-0.035	0.027	0.196	0.009	31.890	TRUE	9.12E-08
COPD in never smokers	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	0.015	0.024	0.524	0.040	155.050	TRUE	1.26E-33
COPD in never smokers	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	0.020	0.040	0.624	0.027	101.411	TRUE	1.11E-22
COPD in never smokers	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	-0.028	0.018	0.130	0.048	187.472	TRUE	2.10E-39
COPD in never smokers	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	-0.049	0.027	0.068	0.010	38.129	TRUE	7.79E-09
COPD in never smokers	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	0.009	0.020	0.672	0.023	87.734	TRUE	7.01E-20
COPD in never smokers	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	0.052	0.021	0.012	0.015	56.424	TRUE	3.17E-12
COPD in never smokers	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	0.039	0.021	0.062	0.021	80.923	TRUE	1.52E-17
COPD in never smokers	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	-0.015	0.019	0.430	0.011	40.656	TRUE	8.11E-10
COPD in never smokers	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	0.007	0.019	0.718	0.016	60.923	TRUE	2.67E-14
COPD in never smokers	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	-0.005	0.017	0.788	0.019	73.530	TRUE	5.24E-17
COPD in never smokers	RPTOR	cg21507958	rs73368831	C	A	-1.228	0.052	0.045	8.50E-124	0.028	0.037	0.442	0.131	559.674	TRUE	1.63E-113
COPD in never smokers	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	-0.014	0.060	0.817	0.031	117.654	TRUE	3.02E-26
COPD in never smokers	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	-0.014	0.057	0.803	0.033	127.980	TRUE	2.25E-28
COPD in never smokers	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	0.001	0.020	0.962	0.019	73.517	TRUE	3.85E-17
COPD in never smokers	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	0.003	0.019	0.861	0.024	91.490	TRUE	7.82E-21
COPD in never smokers	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	-0.007	0.017	0.676	0.020	75.074	TRUE	3.08E-17
COPD in never smokers	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	-0.033	0.031	0.277	0.013	47.957	TRUE	3.33E-11
COPD in never smokers	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	-0.033	0.017	0.046	0.031	118.674	TRUE	4.20E-25
COPD in never smokers	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	0.084	0.075	0.266	0.009	32.766	TRUE	5.06E-08
COPD in never smokers	RPTOR	cg22386583	rs139980334	C	T	-0.297	0.047	0.065	3.04E-10	0.004	0.042	0.927	0.011	39.627	TRUE	6.42E-10
COPD in never smokers	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	0.071	0.026	0.006	0.094	384.224	TRUE	8.91E-77
COPD in never smokers	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	0.021	0.017	0.215	0.014	53.350	TRUE	3.03E-12
COPD in never smokers	RPTOR	cg22386583	rs9890487	G	T	0.208	0.024	0.405	2.13E-18	0.032	0.017	0.064	0.020	76.526	TRUE	1.18E-16
COPD in never smokers	RPTOR	cg22636722	rs111396639	A	G	0.150	0.027	0.258	2.13E-08	0.003	0.020	0.873	0.008	31.359	TRUE	4.11E-08
COPD in never smokers	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	0.014	0.027	0.604	0.009	34.867	TRUE	1.03E-08

COPD in never smokers	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	0.004	0.019	0.822	0.054	209.690	TRUE	3.45E-45
COPD in never smokers	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	-0.021	0.025	0.406	0.009	34.689	TRUE	1.53E-08
COPD in never smokers	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	0.019	0.021	0.354	0.056	217.933	TRUE	3.89E-46
COPD in never smokers	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	-0.007	0.032	0.837	0.024	91.304	TRUE	8.97E-21
COPD in never smokers	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	-0.030	0.065	0.642	0.014	52.044	TRUE	2.25E-12
COPD in never smokers	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	0.001	0.020	0.940	0.405	2517.411	TRUE	<1E-200
COPD in never smokers	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	0.002	0.024	0.938	0.014	53.530	TRUE	6.84E-13
COPD in never smokers	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	-0.025	0.025	0.311	0.012	44.399	TRUE	1.69E-10
COPD in never smokers	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	-0.049	0.027	0.068	0.010	36.424	TRUE	1.74E-08
COPD in never smokers	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	0.051	0.049	0.296	0.017	62.390	TRUE	3.18E-14
COPD in never smokers	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	-0.023	0.017	0.189	0.012	43.433	TRUE	3.73E-10
COPD in never smokers	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	-0.005	0.017	0.788	0.014	52.792	TRUE	1.24E-12
COPD in never smokers	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	-0.003	0.018	0.856	0.011	43.014	TRUE	1.34E-10
COPD in never smokers	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	-0.022	0.017	0.187	0.046	179.265	TRUE	6.22E-38
COPD in never smokers	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	0.042	0.017	0.014	0.008	31.504	TRUE	3.14E-07
COPD in never smokers	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	0.037	0.021	0.072	0.032	121.569	TRUE	7.65E-26
COPD in never smokers	RPTOR	cg22838354	rs4969429	A	G	-0.153	0.026	0.273	4.78E-09	0.051	0.019	0.006	0.009	34.257	TRUE	1.15E-07
COPD in never smokers	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	-0.030	0.026	0.257	0.026	97.401	TRUE	2.14E-21
COPD in never smokers	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	0.029	0.035	0.404	0.025	95.993	TRUE	2.58E-21
COPD in never smokers	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	0.084	0.075	0.266	0.020	75.083	TRUE	8.20E-17
COPD in never smokers	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	0.001	0.019	0.967	0.167	743.121	TRUE	1.72E-149
COPD in never smokers	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	0.045	0.017	0.007	0.056	219.195	TRUE	1.49E-44
COPD in never smokers	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	0.071	0.026	0.006	0.211	988.951	TRUE	8.76E-189
COPD in never smokers	RPTOR	cg22878693	rs4996915	T	G	-0.277	0.048	0.082	5.90E-09	-0.008	0.042	0.853	0.009	33.848	TRUE	1.23E-08
COPD in never smokers	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	-0.049	0.027	0.068	0.022	82.919	TRUE	5.63E-18
COPD in never smokers	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	0.000	0.024	0.988	0.030	113.519	TRUE	1.49E-25
COPD in never smokers	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	0.009	0.020	0.672	0.039	150.824	TRUE	6.04E-33
COPD in never smokers	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	-0.004	0.017	0.806	0.048	187.509	TRUE	1.23E-40
COPD in never smokers	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	-0.023	0.019	0.239	0.024	91.212	TRUE	4.29E-20
COPD in never smokers	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	0.022	0.042	0.601	0.049	190.893	TRUE	4.67E-41
COPD in never smokers	RPTOR	cg22984380	rs139980334	C	T	-0.514	0.047	0.065	6.91E-28	0.004	0.042	0.927	0.031	119.761	TRUE	8.56E-27
COPD in never smokers	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	-0.007	0.018	0.685	0.040	153.368	TRUE	1.75E-33
COPD in never smokers	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	0.015	0.022	0.513	0.017	64.965	TRUE	5.55E-15
COPD in never smokers	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	0.001	0.017	0.965	0.088	355.387	TRUE	9.54E-75
COPD in never smokers	RPTOR	cg22984380	rs4969429	A	G	0.277	0.026	0.273	6.39E-26	0.051	0.019	0.006	0.029	110.788	TRUE	5.88E-23
COPD in never smokers	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	-0.021	0.022	0.344	0.020	74.822	TRUE	7.36E-17
COPD in never smokers	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	-0.051	0.032	0.109	0.078	313.751	TRUE	1.70E-64
COPD in never smokers	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	-0.016	0.020	0.409	0.367	2143.020	TRUE	<1E-200
COPD in never smokers	RPTOR	cg23019125	rs112803228	A	G	-0.677	0.106	0.031	1.77E-10	-0.007	0.045	0.885	0.011	40.686	TRUE	4.04E-10
COPD in never smokers	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	0.048	0.065	0.461	0.016	59.253	TRUE	9.64E-14
COPD in never smokers	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	0.005	0.019	0.785	0.015	55.471	TRUE	3.37E-13
COPD in never smokers	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	0.013	0.021	0.550	0.168	749.017	TRUE	1.53E-149

COPD in never smokers	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	-0.027	0.021	0.209	0.019	69.915	TRUE	1.17E-15
COPD in never smokers	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	0.001	0.017	0.965	0.031	118.686	TRUE	1.31E-26
COPD in never smokers	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	-0.021	0.022	0.344	0.009	32.241	TRUE	5.58E-08
COPD in never smokers	RPTOR	cg23238734	rs8073414	G	A	-0.172	0.024	0.353	1.84E-12	-0.038	0.017	0.025	0.013	49.618	TRUE	5.59E-11
COPD in never smokers	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	0.071	0.026	0.006	0.014	52.300	TRUE	2.87E-11
COPD in never smokers	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	-0.011	0.021	0.589	0.009	34.477	TRUE	1.27E-08
COPD in never smokers	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	0.008	0.017	0.646	0.009	33.008	TRUE	2.42E-08
COPD in never smokers	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	0.034	0.019	0.070	0.024	91.546	TRUE	9.71E-20
COPD in never smokers	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	0.054	0.035	0.125	0.014	52.290	TRUE	7.07E-12
COPD in never smokers	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	0.005	0.018	0.786	0.022	84.064	TRUE	3.25E-19
COPD in never smokers	RPTOR	cg23736297	rs34781048	A	G	0.171	0.024	0.434	1.42E-12	-0.032	0.017	0.052	0.013	50.130	TRUE	3.12E-11
COPD in never smokers	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	0.014	0.024	0.566	0.058	226.660	TRUE	2.86E-48
COPD in never smokers	RPTOR	cg23736297	rs68130532	C	T	-0.181	0.030	0.198	1.66E-09	-0.020	0.022	0.365	0.010	36.317	TRUE	7.46E-09
COPD in never smokers	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	0.051	0.049	0.296	0.009	34.912	TRUE	1.68E-08
COPD in never smokers	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	0.011	0.020	0.574	0.010	37.620	TRUE	2.80E-09
COPD in never smokers	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	-0.010	0.017	0.528	0.120	502.239	TRUE	1.09E-102
COPD in never smokers	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	-0.021	0.025	0.406	0.012	43.945	TRUE	1.73E-10
COPD in never smokers	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	-0.030	0.065	0.642	0.015	57.490	TRUE	1.60E-13
COPD in never smokers	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	-0.122	0.049	0.013	0.008	30.958	TRUE	4.13E-07
COPD in never smokers	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	-0.019	0.018	0.299	0.052	201.448	TRUE	1.09E-42
COPD in never smokers	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	-0.004	0.018	0.817	0.011	41.613	TRUE	2.81E-10
COPD in never smokers	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	0.036	0.018	0.046	0.009	33.984	TRUE	6.46E-08
COPD in never smokers	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	0.008	0.043	0.858	0.020	75.775	TRUE	1.56E-17
COPD in never smokers	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	0.000	0.024	0.988	0.016	60.400	TRUE	2.20E-14
COPD in never smokers	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	-0.009	0.035	0.799	0.027	103.256	TRUE	3.11E-23
COPD in never smokers	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	0.024	0.020	0.215	0.075	297.971	TRUE	8.17E-62
COPD in never smokers	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	0.030	0.024	0.224	0.009	32.160	TRUE	7.45E-08
COPD in never smokers	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	-0.030	0.027	0.268	0.010	38.374	TRUE	3.38E-09
COPD in never smokers	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	0.013	0.021	0.525	0.018	69.079	TRUE	7.48E-16
COPD in never smokers	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	-0.052	0.029	0.078	0.019	71.116	TRUE	1.31E-15
COPD in never smokers	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	0.005	0.017	0.775	0.016	60.754	TRUE	2.62E-14
COPD in never smokers	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	-0.045	0.055	0.410	0.008	30.330	TRUE	1.26E-07
COPD in never smokers	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	0.004	0.039	0.922	0.010	36.095	TRUE	3.70E-09
COPD in never smokers	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	-0.013	0.041	0.756	0.017	63.053	TRUE	8.88E-15
COPD in never smokers	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	0.003	0.019	0.867	0.102	418.606	TRUE	4.42E-87
COPD in never smokers	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	0.014	0.019	0.447	0.020	74.544	TRUE	6.46E-17
COPD in never smokers	RPTOR	cg24315876	rs3751934	A	C	0.387	0.024	0.401	2.99E-59	-0.025	0.017	0.149	0.066	263.340	TRUE	1.10E-54
COPD in never smokers	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	-0.032	0.037	0.379	0.020	77.121	TRUE	2.23E-17
COPD in never smokers	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	-0.011	0.018	0.546	0.159	698.053	TRUE	5.21E-140
COPD in never smokers	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	-0.014	0.060	0.817	0.010	36.636	TRUE	3.25E-09
COPD in never smokers	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	-0.005	0.018	0.773	0.018	68.106	TRUE	7.45E-16
COPD in never smokers	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	0.022	0.024	0.368	0.110	456.324	TRUE	2.21E-93

COPD in never smokers	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	0.019	0.021	0.362	0.010	38.670	TRUE	2.41E-09
COPD in never smokers	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	0.012	0.017	0.484	0.318	1722.199	TRUE	<1E-200
COPD in never smokers	RPTOR	cg24315876	rs9903399	C	T	0.294	0.041	0.222	4.93E-13	-0.007	0.020	0.740	0.014	52.203	TRUE	1.78E-12
COPD in never smokers	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	-0.001	0.020	0.967	0.168	747.648	TRUE	2.45E-150
COPD in never smokers	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	0.014	0.027	0.604	0.009	32.834	TRUE	2.79E-08
COPD in never smokers	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	0.004	0.019	0.822	0.060	235.207	TRUE	2.23E-50
COPD in never smokers	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	-0.007	0.032	0.835	0.013	47.762	TRUE	1.34E-11
COPD in never smokers	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	-0.019	0.018	0.299	0.013	49.042	TRUE	1.88E-11
COPD in never smokers	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	-0.021	0.022	0.344	0.008	31.305	TRUE	8.79E-08
COPD in never smokers	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	-0.049	0.027	0.068	0.010	38.175	TRUE	7.62E-09
COPD in never smokers	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	0.051	0.049	0.296	0.011	40.413	TRUE	1.19E-09
COPD in never smokers	RPTOR	cg24327522	rs7502321	C	T	0.142	0.024	0.386	3.62E-09	0.020	0.017	0.241	0.009	34.800	TRUE	2.01E-08
COPD in never smokers	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	0.024	0.020	0.215	0.037	143.167	TRUE	1.11E-30
COPD in never smokers	RPTOR	cg24343322	rs71368095	A	G	-0.159	0.028	0.219	8.46E-09	-0.004	0.020	0.846	0.009	33.148	TRUE	1.75E-08
COPD in never smokers	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	-0.021	0.017	0.217	0.024	90.663	TRUE	6.08E-20
COPD in never smokers	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	0.008	0.017	0.637	0.014	53.838	TRUE	9.51E-13
COPD in never smokers	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	-0.022	0.017	0.193	0.069	273.325	TRUE	7.80E-57
COPD in never smokers	RPTOR	cg25057221	rs370137211	T	C	-0.198	0.028	0.216	5.90E-13	-0.003	0.021	0.888	0.014	51.852	TRUE	1.68E-12
COPD in never smokers	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	0.008	0.016	0.648	0.009	32.226	TRUE	3.54E-08
COPD in never smokers	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	0.042	0.028	0.133	0.010	37.168	TRUE	8.96E-09
COPD in never smokers	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	0.030	0.017	0.078	0.014	53.012	TRUE	6.57E-12
COPD in never smokers	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	-0.002	0.017	0.883	0.037	143.654	TRUE	1.05E-31
COPD in never smokers	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	-0.019	0.029	0.518	0.013	48.607	TRUE	1.48E-11
COPD in never smokers	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	-0.013	0.031	0.682	0.012	45.656	TRUE	4.72E-11
COPD in never smokers	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	-0.002	0.017	0.883	0.024	92.786	TRUE	4.00E-21
COPD in never smokers	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	0.033	0.017	0.046	0.010	36.864	TRUE	1.67E-08
COPD in never smokers	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	0.003	0.019	0.867	0.012	46.209	TRUE	2.75E-11
COPD in never smokers	RPTOR	cg25739309	rs3751937	A	C	-0.188	0.031	0.203	1.19E-09	0.038	0.021	0.071	0.010	36.963	TRUE	1.33E-08
COPD in never smokers	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	-0.016	0.018	0.388	0.054	210.465	TRUE	1.08E-44
COPD in never smokers	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	0.004	0.024	0.861	0.008	31.439	TRUE	4.00E-08
COPD in never smokers	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	0.013	0.021	0.525	0.025	94.316	TRUE	4.18E-21
COPD in never smokers	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	-0.006	0.019	0.769	0.013	50.567	TRUE	3.77E-12
COPD in never smokers	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	-0.017	0.024	0.484	0.008	31.173	TRUE	7.45E-08
COPD in never smokers	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	-0.030	0.065	0.642	0.013	46.839	TRUE	2.82E-11
COPD in never smokers	RPTOR	cg25902229	rs181994473	A	G	-0.245	0.044	0.090	2.76E-08	-0.022	0.030	0.475	0.008	30.855	TRUE	8.83E-08
COPD in never smokers	RPTOR	cg25902229	rs2289765	G	A	1.029	0.033	0.137	1.51E-212	-0.022	0.026	0.400	0.207	967.618	TRUE	4.88E-189
COPD in never smokers	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	-0.005	0.021	0.797	0.009	34.655	TRUE	8.84E-09
COPD in never smokers	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	-0.002	0.017	0.883	0.014	53.714	TRUE	6.80E-13
COPD in never smokers	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	-0.009	0.017	0.581	0.291	1521.519	TRUE	1.07E-285
COPD in never smokers	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	-0.022	0.017	0.194	0.041	156.454	TRUE	2.49E-33
COPD in never smokers	RPTOR	cg25902229	rs56116211	A	G	0.376	0.023	0.476	1.04E-60	-0.015	0.017	0.374	0.068	270.020	TRUE	1.19E-56
COPD in never smokers	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	-0.005	0.018	0.773	0.010	37.626	TRUE	2.11E-09

COPD in never smokers	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	0.005	0.017	0.764	0.038	144.298	TRUE	1.05E-31
COPD in never smokers	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	0.030	0.024	0.210	0.059	230.051	TRUE	3.12E-48
COPD in never smokers	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	-0.021	0.022	0.344	0.011	41.634	TRUE	5.97E-10
COPD in never smokers	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	-0.009	0.035	0.799	0.011	39.926	TRUE	6.59E-10
COPD in never smokers	RPTOR	cg25902229	rs7502321	C	T	0.205	0.024	0.386	1.29E-17	0.020	0.017	0.241	0.019	72.965	TRUE	2.44E-16
COPD in never smokers	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	0.014	0.076	0.856	0.008	30.994	TRUE	5.02E-08
COPD in never smokers	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	0.030	0.024	0.224	0.010	36.328	TRUE	1.01E-08
COPD in never smokers	RPTOR	cg25902229	rs9897600	T	C	0.237	0.043	0.082	4.39E-08	-0.005	0.028	0.858	0.008	29.953	TRUE	8.39E-08
COPD in never smokers	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	-0.040	0.027	0.130	0.008	30.109	TRUE	2.61E-07
COPD in never smokers	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	0.045	0.017	0.007	0.017	65.878	TRUE	5.23E-14
COPD in never smokers	RPTOR	cg25985643	rs12951739	T	G	-0.639	0.023	0.455	2.38E-175	0.011	0.016	0.489	0.177	796.605	TRUE	3.53E-158
COPD in never smokers	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	0.066	0.028	0.017	0.012	46.210	TRUE	3.15E-10
COPD in never smokers	RPTOR	cg25985643	rs4072746	T	C	0.231	0.038	0.115	1.63E-09	-0.035	0.027	0.196	0.010	36.356	TRUE	1.07E-08
COPD in never smokers	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	0.019	0.028	0.511	0.011	41.998	TRUE	3.68E-10
COPD in never smokers	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	-0.025	0.030	0.397	0.050	193.597	TRUE	2.73E-41
COPD in never smokers	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	-0.122	0.049	0.013	0.008	30.300	TRUE	5.61E-07
COPD in never smokers	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	0.000	0.025	0.996	0.028	105.859	TRUE	5.84E-24
COPD in never smokers	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	0.034	0.021	0.108	0.040	152.875	TRUE	2.46E-32
COPD in never smokers	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	0.012	0.021	0.565	0.020	76.735	TRUE	1.73E-17
COPD in never smokers	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	-0.027	0.021	0.209	0.017	63.801	TRUE	2.13E-14
COPD in never smokers	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	-0.013	0.017	0.429	0.018	67.895	TRUE	1.63E-15
COPD in never smokers	RPTOR	cg26469982	rs370137211	T	C	0.218	0.028	0.216	4.03E-15	-0.003	0.021	0.888	0.016	61.654	TRUE	1.40E-14
COPD in never smokers	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	0.008	0.016	0.648	0.013	48.814	TRUE	1.07E-11
COPD in never smokers	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	0.007	0.019	0.727	0.016	60.284	TRUE	3.58E-14
COPD in never smokers	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	-0.026	0.017	0.120	0.076	303.809	TRUE	1.38E-62
COPD in never smokers	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	0.012	0.017	0.484	0.008	30.163	TRUE	1.22E-07
COPD in never smokers	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	-0.008	0.018	0.646	0.014	52.652	TRUE	1.67E-12
COPD in never smokers	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	0.020	0.017	0.218	0.052	204.673	TRUE	3.79E-43
COPD in never smokers	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	-0.013	0.017	0.429	0.009	34.318	TRUE	1.76E-08
COPD in never smokers	RPTOR	cg26714263	rs7222906	C	T	0.195	0.029	0.202	2.33E-11	-0.001	0.021	0.973	0.012	44.645	TRUE	5.09E-11
COPD in never smokers	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	0.014	0.076	0.856	0.024	90.737	TRUE	1.14E-20
COPD in never smokers	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	0.034	0.017	0.045	0.009	33.624	TRUE	7.74E-08
COPD in never smokers	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	-0.041	0.017	0.014	0.021	81.216	TRUE	3.07E-17
COPD in never smokers	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	0.005	0.018	0.786	0.033	127.987	TRUE	2.33E-28
COPD in never smokers	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	0.000	0.021	0.981	0.008	31.433	TRUE	3.48E-08
COPD in never smokers	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	0.014	0.076	0.856	0.019	70.262	TRUE	2.26E-16
COPD in never smokers	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	0.090	0.061	0.138	0.009	32.160	TRUE	9.55E-08
COPD in never smokers	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	-0.027	0.050	0.587	0.012	45.188	TRUE	6.89E-11
COPD in never smokers	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	-0.013	0.028	0.633	0.017	63.367	TRUE	9.49E-15
COPD in never smokers	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	0.033	0.041	0.426	0.018	66.359	TRUE	3.43E-15
COPD in never smokers	RPTOR	cg27210166	rs11869826	A	G	-0.751	0.024	0.310	1.26E-218	0.000	0.018	0.978	0.212	995.567	TRUE	8.16E-196
COPD in never smokers	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	-0.021	0.018	0.248	0.015	57.073	TRUE	4.62E-13

COPD in never smokers	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	0.005	0.019	0.797	0.031	116.727	TRUE	4.92E-26
COPD in never smokers	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	-0.007	0.018	0.712	0.020	76.700	TRUE	1.31E-17
COPD in never smokers	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	0.037	0.021	0.072	0.026	98.989	TRUE	2.92E-21
COPD in never smokers	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	0.001	0.017	0.965	0.036	138.043	TRUE	1.25E-30
COPD in never smokers	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	-0.042	0.020	0.033	0.010	39.221	TRUE	6.34E-09
COPD in never smokers	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	-0.038	0.022	0.086	0.015	57.639	TRUE	7.02E-13
COPD in never smokers	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	-0.122	0.049	0.013	0.025	94.634	TRUE	6.54E-20
COPD in never smokers	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	-0.015	0.026	0.567	0.020	76.036	TRUE	2.42E-17
COPD in never smokers	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	0.052	0.021	0.012	0.018	68.457	TRUE	1.21E-14
COPD in never smokers	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	0.014	0.027	0.604	0.010	36.418	TRUE	4.83E-09
COPD in never smokers	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	0.034	0.017	0.045	0.018	66.697	TRUE	1.44E-14
COPD in never smokers	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	0.005	0.019	0.785	0.069	273.771	TRUE	4.04E-58
COPD in never smokers	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	0.000	0.021	0.985	0.017	63.813	TRUE	4.17E-15
COPD in never smokers	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	0.005	0.017	0.764	0.009	31.999	TRUE	3.42E-08
COPD in never smokers	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	0.012	0.017	0.484	0.018	68.371	TRUE	1.15E-15
COPD in never smokers	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	-0.023	0.017	0.189	0.016	59.177	TRUE	2.07E-13
COPD in never smokers	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	0.015	0.022	0.513	0.012	44.319	TRUE	1.19E-10
COPD in never smokers	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	-0.013	0.021	0.523	0.079	316.635	TRUE	2.90E-66
COPD in never smokers	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	-0.002	0.017	0.883	0.014	50.632	TRUE	3.07E-12
COPD in never smokers	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	-0.025	0.019	0.183	0.009	32.075	TRUE	8.64E-08
COPD in never smokers	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	-0.029	0.033	0.367	0.015	56.774	TRUE	3.90E-13
COPD in never smokers	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	-0.006	0.024	0.803	0.014	51.278	TRUE	2.53E-12
COPD in never smokers	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	-0.004	0.017	0.795	0.016	61.662	TRUE	1.63E-14
COPD in never smokers	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	0.090	0.061	0.138	0.009	31.868	TRUE	1.10E-07
COPD in never smokers	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	0.008	0.017	0.634	0.013	49.483	TRUE	7.92E-12
COPD in never smokers	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	-0.038	0.017	0.027	0.040	155.075	TRUE	2.98E-32
COPD in never smokers	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	-0.122	0.049	0.013	0.021	80.143	TRUE	5.33E-17
COPD in never smokers	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	0.037	0.021	0.073	0.026	99.951	TRUE	1.86E-21
COPD in never smokers	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	0.000	0.024	0.988	0.023	85.585	TRUE	1.06E-19
COPD in never smokers	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	0.020	0.042	0.640	0.031	119.900	TRUE	1.57E-26
COPD in never smokers	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	0.005	0.020	0.806	0.176	790.633	TRUE	6.10E-158
COPD in never smokers	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	-0.034	0.017	0.043	0.019	71.795	TRUE	1.36E-15
COPD in never smokers	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	0.026	0.017	0.110	0.026	98.372	TRUE	2.84E-21
COPD in never smokers	SERPINE1	cg02704552	rs11970888	T	C	-0.246	0.041	0.088	2.01E-09	0.032	0.031	0.301	0.010	35.949	TRUE	1.01E-08
COPD in never smokers	SERPINE1	cg02704552	rs143126965	A	G	-0.584	0.107	0.011	4.34E-08	-0.073	0.081	0.369	0.008	29.977	TRUE	1.60E-07
COPD in never smokers	SERPINE1	cg02704552	rs1468358	C	T	-0.155	0.025	0.295	7.50E-10	-0.010	0.018	0.577	0.010	37.864	TRUE	2.48E-09
COPD in never smokers	SERPINE1	cg02704552	rs2227660	G	A	-0.422	0.031	0.157	2.68E-41	-0.007	0.023	0.753	0.047	181.080	TRUE	2.97E-39
COPD in never smokers	SERPINE1	cg02704552	rs34699890	A	G	0.241	0.024	0.373	5.31E-24	-0.038	0.017	0.024	0.027	102.035	TRUE	1.48E-21
COPD in never smokers	SERPINE1	cg08506775	rs77705466	A	C	0.921	0.093	0.015	4.08E-23	0.105	0.064	0.104	0.026	97.995	TRUE	3.53E-21
COPD in never smokers	SERPINE1	cg11353706	rs2227666	A	G	0.442	0.055	0.054	9.51E-16	-0.079	0.036	0.028	0.017	64.495	TRUE	5.18E-14
COPD in never smokers	SERPINE1	cg11353706	rs2227674	G	A	-0.195	0.029	0.205	1.19E-11	0.036	0.021	0.077	0.012	45.970	TRUE	1.83E-10
COPD in never smokers	SERPINE1	cg16617872	rs1048365	T	C	-0.214	0.033	0.155	4.81E-11	0.012	0.023	0.603	0.012	43.231	TRUE	1.74E-10

COPD in never smokers	SERPINE1	cg16617872	rs13237868	A	C	-0.370	0.066	0.034	2.05E-08	0.093	0.046	0.042	0.008	31.427	TRUE	2.22E-07
COPD in never smokers	SERPINE1	cg16617872	rs187623845	C	T	0.246	0.040	0.096	6.29E-10	-0.040	0.029	0.162	0.010	38.208	TRUE	4.91E-09
COPD in never smokers	SERPINE1	cg16617872	rs2227666	A	G	0.752	0.055	0.054	3.50E-43	-0.079	0.036	0.028	0.049	189.704	TRUE	3.39E-39
COPD in never smokers	SERPINE1	cg16617872	rs2227674	G	A	-0.440	0.028	0.205	9.01E-54	0.036	0.021	0.077	0.061	238.221	TRUE	2.57E-49
COPD in never smokers	SERPINE1	cg16617872	rs35735209	C	T	-0.152	0.023	0.461	4.18E-11	0.033	0.017	0.047	0.012	43.505	TRUE	7.31E-10
COPD in never smokers	SERPINE1	cg16617872	rs3890122	A	G	-0.195	0.026	0.283	5.82E-14	0.034	0.018	0.059	0.015	56.402	TRUE	1.55E-12
COPD in never smokers	SERPINE1	cg17968347	rs1050955	A	G	0.303	0.029	0.206	2.99E-26	0.038	0.021	0.068	0.029	112.294	TRUE	6.06E-24
COPD in never smokers	SERPINE1	cg19722814	rs2410796	G	A	-0.225	0.024	0.423	3.76E-21	0.035	0.017	0.035	0.024	89.048	TRUE	4.93E-19
COPD in never smokers	SERPINE1	cg24539923	rs2227631	G	A	-0.280	0.024	0.415	3.82E-32	0.032	0.017	0.053	0.036	139.208	TRUE	2.66E-29
COPD in never smokers	SESN2	cg01172735	rs502791	A	G	-0.147	0.025	0.333	2.33E-09	-0.043	0.018	0.015	0.010	35.659	TRUE	4.47E-08
COPD in never smokers	SESN2	cg01557411	rs10751727	C	T	-0.213	0.032	0.406	4.08E-11	-0.012	0.017	0.492	0.012	43.552	TRUE	1.79E-10
COPD in never smokers	SESN2	cg01557411	rs114437041	T	G	-0.374	0.032	0.153	3.64E-31	-0.040	0.024	0.098	0.035	134.731	TRUE	1.28E-28
COPD in never smokers	SESN2	cg01557411	rs12122889	C	T	-0.529	0.071	0.027	7.51E-14	-0.010	0.054	0.853	0.015	55.899	TRUE	2.45E-13
COPD in never smokers	SESN2	cg01557411	rs1283628	G	A	0.284	0.027	0.239	2.74E-25	0.034	0.019	0.070	0.028	107.903	TRUE	4.62E-23
COPD in never smokers	SESN2	cg01557411	rs138045396	A	G	-0.419	0.066	0.034	2.72E-10	-0.024	0.045	0.588	0.011	39.847	TRUE	9.27E-10
COPD in never smokers	SESN2	cg01557411	rs502631	G	A	0.295	0.024	0.418	1.58E-35	0.009	0.017	0.605	0.040	154.679	TRUE	1.18E-33
COPD in never smokers	SESN2	cg01557411	rs580693	T	C	-0.773	0.023	0.330	6.98E-243	-0.036	0.018	0.042	0.230	1107.109	TRUE	3.47E-211
COPD in never smokers	SESN2	cg01557411	rs71642227	T	G	0.320	0.031	0.167	1.50E-24	-0.001	0.022	0.981	0.027	104.537	TRUE	1.14E-23
COPD in never smokers	SESN2	cg01557411	rs9426299	A	G	-0.381	0.042	0.086	8.45E-20	0.021	0.029	0.470	0.022	82.897	TRUE	1.12E-18
COPD in never smokers	SESN2	cg02737621	rs12135002	T	C	0.188	0.028	0.233	1.01E-11	-0.038	0.019	0.053	0.012	46.287	TRUE	1.89E-10
COPD in never smokers	SESN2	cg02737621	rs150995894	T	C	0.569	0.094	0.019	1.14E-09	-0.028	0.055	0.613	0.010	37.051	TRUE	3.50E-09
COPD in never smokers	SESN2	cg02737621	rs543240	G	A	0.376	0.024	0.358	2.02E-54	-0.019	0.017	0.260	0.061	241.200	TRUE	1.32E-50
COPD in never smokers	SESN2	cg06754224	rs543240	G	A	0.232	0.024	0.358	2.06E-21	-0.019	0.017	0.260	0.024	90.242	TRUE	6.27E-20
COPD in never smokers	SESN2	cg06754224	rs6701065	C	A	0.625	0.070	0.028	3.30E-19	0.069	0.046	0.133	0.021	80.205	TRUE	1.27E-17
COPD in never smokers	SH3BP4	cg00475403	rs6721314	T	C	-0.193	0.028	0.226	6.04E-12	-0.011	0.020	0.569	0.013	47.291	TRUE	2.56E-11
COPD in never smokers	SH3BP4	cg00506811	rs13003045	T	G	-0.222	0.031	0.156	6.62E-13	-0.012	0.022	0.601	0.014	51.625	TRUE	2.96E-12
COPD in never smokers	SH3BP4	cg00765233	rs12476431	T	C	-0.211	0.035	0.120	1.80E-09	-0.031	0.026	0.220	0.010	36.159	TRUE	1.10E-08
COPD in never smokers	SH3BP4	cg00765233	rs4429425	A	G	-0.271	0.037	0.105	1.57E-13	0.003	0.026	0.915	0.015	54.447	TRUE	4.53E-13
COPD in never smokers	SH3BP4	cg01881549	rs6728491	C	T	-0.239	0.034	0.128	2.97E-12	-0.008	0.026	0.752	0.013	48.685	TRUE	9.70E-12
COPD in never smokers	SH3BP4	cg02447239	rs11694969	A	G	0.290	0.039	0.093	6.27E-14	-0.009	0.027	0.737	0.015	56.254	TRUE	2.49E-13
COPD in never smokers	SH3BP4	cg04066885	rs10929050	T	C	0.404	0.029	0.201	8.84E-43	-0.022	0.021	0.290	0.048	187.864	TRUE	6.36E-40
COPD in never smokers	SH3BP4	cg04066885	rs11677044	A	C	-0.208	0.025	0.327	2.13E-17	0.011	0.017	0.522	0.019	71.980	TRUE	1.87E-16
COPD in never smokers	SH3BP4	cg04066885	rs13019776	G	A	-0.380	0.026	0.279	5.56E-50	-0.019	0.019	0.293	0.056	220.851	TRUE	1.35E-46
COPD in never smokers	SH3BP4	cg04066885	rs55916272	C	T	-0.137	0.024	0.441	6.55E-09	0.001	0.017	0.969	0.009	33.647	TRUE	1.17E-08
COPD in never smokers	SH3BP4	cg04088932	rs3795962	G	A	0.637	0.030	0.450	9.82E-98	0.001	0.017	0.963	0.106	439.958	TRUE	1.88E-91
COPD in never smokers	SH3BP4	cg04088932	rs56371694	T	G	0.148	0.026	0.300	1.65E-08	-0.033	0.018	0.070	0.009	31.846	TRUE	1.49E-07
COPD in never smokers	SH3BP4	cg05058748	rs11688642	G	A	0.330	0.032	0.170	7.51E-25	0.012	0.023	0.607	0.028	105.906	TRUE	1.35E-23
COPD in never smokers	SH3BP4	cg05058748	rs4663527	T	C	0.447	0.074	0.056	1.65E-09	-0.020	0.041	0.620	0.010	36.329	TRUE	4.92E-09
COPD in never smokers	SH3BP4	cg05058748	rs4663533	G	A	-0.525	0.034	0.131	2.46E-54	-0.024	0.024	0.320	0.061	240.802	TRUE	1.14E-50
COPD in never smokers	SH3BP4	cg05058748	rs530547688	T	C	0.721	0.083	0.046	2.57E-18	-0.016	0.036	0.670	0.020	76.151	TRUE	1.85E-17
COPD in never smokers	SH3BP4	cg05058748	rs62187422	T	C	-0.295	0.040	0.081	3.07E-13	-0.110	0.112	0.327	0.014	53.137	TRUE	2.46E-12
COPD in never smokers	SH3BP4	cg05058748	rs6710499	G	A	1.133	0.016	0.338	<1E-200	-0.012	0.018	0.498	0.569	4889.496	TRUE	<1E-200

COPD in never smokers	SH3BP4	cg08036121	rs2379186	C	T	0.185	0.026	0.288	6.44E-13	-0.020	0.018	0.279	0.014	51.679	TRUE	5.58E-12
COPD in never smokers	SH3BP4	cg08036121	rs75169082	A	C	-0.566	0.083	0.044	1.11E-11	-0.006	0.038	0.878	0.012	46.107	TRUE	2.84E-11
COPD in never smokers	SH3BP4	cg08036121	rs78218646	T	C	-0.255	0.031	0.187	1.41E-16	-0.024	0.021	0.261	0.018	68.256	TRUE	2.15E-15
COPD in never smokers	SH3BP4	cg08092258	rs11682146	T	C	-0.387	0.039	0.091	6.57E-23	-0.004	0.028	0.899	0.026	97.054	TRUE	4.96E-22
COPD in never smokers	SH3BP4	cg08092258	rs56230012	G	A	-0.737	0.038	0.093	9.44E-83	-0.004	0.027	0.895	0.091	371.163	TRUE	9.20E-78
COPD in never smokers	SH3BP4	cg08092258	rs56838198	T	G	0.421	0.028	0.230	6.25E-50	-0.024	0.020	0.247	0.056	220.616	TRUE	1.95E-46
COPD in never smokers	SH3BP4	cg08092258	rs6720830	T	C	-0.331	0.028	0.227	2.78E-32	-0.011	0.020	0.575	0.036	139.842	TRUE	1.44E-30
COPD in never smokers	SH3BP4	cg08092258	rs78367788	T	C	0.304	0.041	0.091	2.32E-13	0.031	0.029	0.284	0.014	53.687	TRUE	2.10E-12
COPD in never smokers	SH3BP4	cg08092258	rs972514	C	T	-0.203	0.032	0.157	1.34E-10	0.019	0.023	0.412	0.011	41.229	TRUE	6.34E-10
COPD in never smokers	SH3BP4	cg08858245	rs62187441	G	T	0.295	0.045	0.064	3.29E-11	-0.001	0.032	0.984	0.012	43.974	TRUE	6.98E-11
COPD in never smokers	SH3BP4	cg09071896	rs10929050	T	C	0.229	0.030	0.201	1.60E-14	-0.022	0.021	0.290	0.016	58.937	TRUE	1.68E-13
COPD in never smokers	SH3BP4	cg09071896	rs11677044	A	C	-0.226	0.025	0.327	4.02E-20	0.011	0.017	0.522	0.022	84.364	TRUE	4.92E-19
COPD in never smokers	SH3BP4	cg09071896	rs12475961	C	A	-0.411	0.035	0.116	1.31E-31	-0.040	0.026	0.120	0.036	136.759	TRUE	4.09E-29
COPD in never smokers	SH3BP4	cg09071896	rs4429425	A	G	-0.290	0.037	0.105	2.96E-15	0.003	0.026	0.915	0.017	62.257	TRUE	1.00E-14
COPD in never smokers	SH3BP4	cg09071896	rs9677589	T	G	0.267	0.039	0.104	1.18E-11	0.017	0.029	0.559	0.012	45.984	TRUE	4.90E-11
COPD in never smokers	SH3BP4	cg09510954	rs4663177	C	T	-0.187	0.025	0.321	9.58E-14	-0.021	0.018	0.234	0.015	55.422	TRUE	1.06E-12
COPD in never smokers	SH3BP4	cg10810819	rs4429425	A	G	-0.220	0.037	0.105	1.80E-09	0.003	0.026	0.915	0.010	36.157	TRUE	3.62E-09
COPD in never smokers	SH3BP4	cg11677744	rs12476431	T	C	-0.309	0.035	0.120	8.51E-19	-0.031	0.026	0.220	0.021	78.335	TRUE	2.06E-17
COPD in never smokers	SH3BP4	cg12214003	rs78218646	T	C	-0.260	0.031	0.187	3.35E-17	-0.024	0.021	0.261	0.019	71.086	TRUE	5.59E-16
COPD in never smokers	SH3BP4	cg12214003	rs79098408	A	G	0.400	0.069	0.029	8.49E-09	0.017	0.047	0.710	0.009	33.142	TRUE	2.08E-08
COPD in never smokers	SH3BP4	cg13303459	rs4429425	A	G	0.213	0.036	0.105	4.12E-09	0.003	0.026	0.915	0.009	34.549	TRUE	8.03E-09
COPD in never smokers	SH3BP4	cg13530377	rs56048151	A	G	-0.251	0.039	0.094	1.07E-10	-0.010	0.027	0.702	0.011	41.675	TRUE	3.20E-10
COPD in never smokers	SH3BP4	cg13904006	rs7583595	C	T	0.174	0.026	0.290	1.12E-11	-0.019	0.018	0.290	0.012	46.084	TRUE	7.92E-11
COPD in never smokers	SH3BP4	cg13904006	rs78218646	T	C	-0.232	0.031	0.187	5.05E-14	-0.024	0.021	0.261	0.015	56.680	TRUE	5.37E-13
COPD in never smokers	SH3BP4	cg14096415	rs10803629	G	A	-0.512	0.028	0.225	6.05E-76	-0.012	0.020	0.533	0.084	339.924	TRUE	6.49E-71
COPD in never smokers	SH3BP4	cg14096415	rs10929071	G	A	-0.218	0.027	0.260	3.63E-16	-0.006	0.020	0.776	0.018	66.391	TRUE	1.70E-15
COPD in never smokers	SH3BP4	cg14096415	rs11682146	T	C	-0.312	0.039	0.091	2.26E-15	-0.004	0.028	0.899	0.017	62.791	TRUE	7.92E-15
COPD in never smokers	SH3BP4	cg14917874	rs13020664	C	A	0.203	0.036	0.414	1.22E-08	-0.034	0.017	0.044	0.009	32.444	TRUE	1.36E-07
COPD in never smokers	SH3BP4	cg14917874	rs6754925	T	C	0.339	0.056	0.108	1.10E-09	0.001	0.027	0.981	0.010	37.118	TRUE	2.07E-09
COPD in never smokers	SH3BP4	cg14917874	rs76292477	C	T	-0.318	0.043	0.071	1.61E-13	-0.004	0.030	0.902	0.014	54.399	TRUE	4.72E-13
COPD in never smokers	SH3BP4	cg14917874	rs9798244	C	T	0.200	0.026	0.280	3.03E-14	-0.006	0.019	0.759	0.015	57.685	TRUE	1.20E-13
COPD in never smokers	SH3BP4	cg19964403	rs72987449	C	T	-0.417	0.036	0.252	7.59E-32	-0.020	0.019	0.300	0.036	137.844	TRUE	9.22E-30
COPD in never smokers	SH3BP4	cg19998400	rs12476431	T	C	-0.242	0.035	0.120	5.46E-12	-0.031	0.026	0.220	0.013	47.488	TRUE	4.88E-11
COPD in never smokers	SH3BP4	cg19998400	rs4429425	A	G	-0.387	0.037	0.105	3.57E-26	0.003	0.026	0.915	0.029	111.941	TRUE	3.74E-25
COPD in never smokers	SH3BP4	cg19998400	rs4663178	T	C	-0.251	0.036	0.114	4.40E-12	-0.006	0.027	0.834	0.013	47.911	TRUE	1.25E-11
COPD in never smokers	SH3BP4	cg20023271	rs6711905	A	G	0.286	0.032	0.491	4.39E-19	-0.018	0.017	0.278	0.021	79.643	TRUE	9.03E-18
COPD in never smokers	SH3BP4	cg21243951	rs3795962	G	A	-0.201	0.031	0.450	1.72E-10	0.001	0.017	0.963	0.011	40.744	TRUE	3.53E-10
COPD in never smokers	SH3BP4	cg23729407	rs13003045	T	G	-0.315	0.031	0.156	5.83E-24	-0.012	0.022	0.601	0.027	101.850	TRUE	9.53E-23
COPD in never smokers	SH3BP4	cg23729407	rs4663177	C	T	-0.277	0.025	0.321	2.63E-28	-0.021	0.018	0.234	0.032	121.673	TRUE	2.48E-26
COPD in never smokers	SH3BP4	cg23729407	rs6431314	G	A	0.148	0.024	0.369	1.56E-09	0.000	0.017	0.997	0.010	36.442	TRUE	2.83E-09
COPD in never smokers	SH3BP4	cg23946364	rs11682146	T	C	-0.277	0.039	0.091	8.17E-13	-0.004	0.028	0.899	0.014	51.213	TRUE	2.26E-12
COPD in never smokers	SH3BP4	cg23946364	rs56310932	A	G	-0.673	0.037	0.102	5.19E-75	0.003	0.027	0.918	0.083	335.638	TRUE	9.82E-71

COPD in never smokers	SH3BP4	cg23946364	rs7579843	G	A	0.231	0.028	0.242	6.96E-17	-0.028	0.020	0.165	0.018	69.646	TRUE	1.58E-15
COPD in never smokers	SH3BP4	cg24906525	rs111817009	G	T	-0.513	0.059	0.038	3.54E-18	0.024	0.040	0.556	0.020	75.521	TRUE	3.17E-17
COPD in never smokers	SH3BP4	cg24906525	rs13003045	T	G	-0.711	0.030	0.156	2.84E-122	-0.012	0.022	0.601	0.130	552.678	TRUE	1.41E-112
COPD in never smokers	SH3BP4	cg24906525	rs1559983	C	T	-0.225	0.028	0.213	7.73E-16	-0.018	0.020	0.358	0.017	64.902	TRUE	8.11E-15
COPD in never smokers	SH3BP4	cg24906525	rs6722544	C	T	-0.250	0.027	0.240	2.88E-20	0.030	0.020	0.127	0.022	85.025	TRUE	1.35E-18
COPD in never smokers	SH3BP4	cg24906525	rs78218646	T	C	0.215	0.031	0.187	3.22E-12	-0.024	0.021	0.261	0.013	48.524	TRUE	2.65E-11
COPD in never smokers	SH3BP4	cg24995678	rs2195195	C	T	-0.501	0.027	0.244	1.18E-76	-0.027	0.020	0.180	0.085	343.186	TRUE	1.24E-70
COPD in never smokers	SH3BP4	cg24995678	rs530547688	T	C	-0.490	0.083	0.046	3.68E-09	-0.016	0.036	0.670	0.009	34.769	TRUE	9.87E-09
COPD in never smokers	SH3BP4	cg25591888	rs12475961	C	A	-0.237	0.035	0.116	2.18E-11	-0.040	0.026	0.120	0.012	44.777	TRUE	2.54E-10
COPD in never smokers	SH3BP4	cg27024844	rs78218646	T	C	-0.191	0.031	0.187	6.44E-10	-0.024	0.021	0.261	0.010	38.164	TRUE	3.81E-09
COPD in never smokers	SH3BP4	cg27577781	rs3731646	A	G	0.268	0.040	0.100	1.75E-11	0.024	0.029	0.415	0.012	45.212	TRUE	9.21E-11
COPD in never smokers	SH3BP4	cg27577781	rs6732663	T	C	-0.446	0.043	0.191	1.14E-24	-0.003	0.022	0.884	0.028	105.079	TRUE	1.08E-23
COPD in never smokers	SLC11A2	cg14688905	rs17229232	T	C	0.361	0.045	0.073	1.07E-15	-0.028	0.032	0.379	0.017	64.272	TRUE	1.04E-14
COPD in never smokers	SLC11A2	cg22789605	rs10783412	G	A	-0.488	0.041	0.085	1.74E-32	-0.034	0.030	0.250	0.037	140.765	TRUE	2.90E-30
COPD in never smokers	SLC11A2	cg22789605	rs706801	G	A	-0.437	0.027	0.250	8.06E-60	-0.034	0.019	0.074	0.067	265.949	TRUE	8.22E-55
COPD in never smokers	SLC11A2	cg25493658	rs76118172	T	C	-0.796	0.098	0.015	5.85E-16	-0.103	0.075	0.170	0.017	65.453	TRUE	1.13E-14
COPD in never smokers	SLC26A1	cg09153458	rs10016151	G	A	0.242	0.024	0.412	3.48E-24	0.033	0.017	0.054	0.027	102.868	TRUE	5.91E-22
COPD in never smokers	SLC26A1	cg09153458	rs111979588	C	T	0.209	0.027	0.266	3.22E-15	0.011	0.020	0.584	0.017	62.095	TRUE	1.92E-14
COPD in never smokers	SLC26A1	cg09153458	rs115657987	A	G	-0.495	0.088	0.018	1.60E-08	0.024	0.059	0.682	0.009	31.907	TRUE	3.97E-08
COPD in never smokers	SLC26A1	cg09153458	rs13143527	A	G	0.280	0.024	0.392	2.76E-31	-0.001	0.017	0.974	0.035	135.281	TRUE	4.57E-30
COPD in never smokers	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	-0.153	0.050	0.002	0.017	63.284	TRUE	2.72E-13
COPD in never smokers	SLC26A1	cg09153458	rs17802266	A	C	-0.223	0.027	0.245	1.46E-16	0.004	0.019	0.810	0.018	68.183	TRUE	6.72E-16
COPD in never smokers	SLC26A1	cg09153458	rs3733344	G	T	0.378	0.023	0.458	4.41E-61	0.025	0.017	0.131	0.068	271.733	TRUE	2.79E-56
COPD in never smokers	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	-0.012	0.018	0.504	0.019	72.821	TRUE	1.30E-16
COPD in never smokers	SLC26A1	cg09153458	rs57186616	A	G	0.223	0.032	0.155	5.63E-12	-0.013	0.023	0.573	0.013	47.428	TRUE	2.37E-11
COPD in never smokers	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	-0.066	0.044	0.130	0.010	36.306	TRUE	1.36E-08
COPD in never smokers	SLC26A1	cg09153458	rs6599391	G	T	-0.441	0.033	0.153	6.89E-42	-0.023	0.024	0.340	0.047	183.781	TRUE	3.41E-39
COPD in never smokers	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	-0.004	0.020	0.845	0.013	48.143	TRUE	1.10E-11
COPD in never smokers	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	-0.015	0.017	0.383	0.008	30.232	TRUE	1.38E-07
COPD in never smokers	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	-0.012	0.018	0.504	0.009	33.142	TRUE	2.77E-08
COPD in never smokers	SLC26A1	cg24226891	rs4690197	T	G	-0.273	0.029	0.204	9.62E-22	-0.031	0.020	0.121	0.024	91.744	TRUE	5.94E-20
COPD in never smokers	SLC30A10	cg07005353	rs6663745	T	G	-0.158	0.028	0.213	1.63E-08	0.016	0.020	0.426	0.009	31.875	TRUE	5.79E-08
COPD in never smokers	SLC30A10	cg07948194	rs6700061	T	C	-0.261	0.044	0.080	2.27E-09	-0.014	0.032	0.661	0.010	35.710	TRUE	6.29E-09
COPD in never smokers	SLC30A10	cg19313402	rs6663745	T	G	0.339	0.028	0.213	2.47E-33	0.016	0.020	0.426	0.038	144.641	TRUE	2.36E-31
COPD in never smokers	SLC30A10	cg19313402	rs76768328	A	G	0.486	0.085	0.021	1.12E-08	-0.074	0.064	0.253	0.009	32.611	TRUE	5.61E-08
COPD in never smokers	SLC30A10	cg21648401	rs1694593	A	G	0.182	0.029	0.202	3.81E-10	0.018	0.020	0.377	0.010	39.187	TRUE	1.82E-09
COPD in never smokers	SLC39A14	cg01754958	rs4872490	C	T	0.148	0.027	0.343	4.37E-08	-0.015	0.017	0.371	0.008	29.962	TRUE	1.61E-07
COPD in never smokers	SLC39A14	cg05254747	rs11136018	G	A	0.205	0.036	0.162	8.84E-09	0.029	0.023	0.213	0.009	33.062	TRUE	4.97E-08
COPD in never smokers	SLC39A14	cg05254747	rs4872484	T	C	-0.188	0.028	0.299	1.34E-11	-0.014	0.018	0.419	0.012	45.735	TRUE	7.10E-11
COPD in never smokers	SLC39A14	cg05487207	rs13258195	T	C	-0.216	0.031	0.230	1.47E-12	-0.038	0.019	0.050	0.013	50.067	TRUE	3.28E-11
COPD in never smokers	SLC39A14	cg05487207	rs7839390	T	C	0.456	0.069	0.037	3.61E-11	-0.037	0.045	0.411	0.012	43.793	TRUE	1.84E-10
COPD in never smokers	SLC39A14	cg12081754	rs141286289	C	T	-0.327	0.045	0.071	5.02E-13	-0.035	0.030	0.250	0.014	52.169	TRUE	4.78E-12

COPD in never smokers	SLC39A14	cg12081754	rs141892929	A	G	1.254	0.020	0.234	<1E-200	-0.032	0.019	0.101	0.503	3743.873	TRUE	<1E-200
COPD in never smokers	SLC39A14	cg12081754	rs149485511	T	G	1.057	0.129	0.018	2.40E-16	-0.030	0.053	0.578	0.018	67.206	TRUE	1.65E-15
COPD in never smokers	SLC39A14	cg12081754	rs2443499	C	T	-0.462	0.043	0.225	1.27E-26	-0.006	0.020	0.743	0.030	113.990	TRUE	2.06E-25
COPD in never smokers	SLC39A14	cg12081754	rs2449346	C	T	0.365	0.025	0.434	7.49E-47	-0.018	0.017	0.290	0.053	206.511	TRUE	1.07E-43
COPD in never smokers	SLC39A14	cg12081754	rs33999442	T	C	-0.496	0.031	0.201	2.75E-56	0.052	0.021	0.013	0.063	249.755	TRUE	7.90E-51
COPD in never smokers	SLC39A14	cg12081754	rs36105277	G	A	0.388	0.025	0.441	7.24E-53	-0.019	0.017	0.267	0.060	234.072	TRUE	3.41E-49
COPD in never smokers	SLC39A14	cg12081754	rs4872004	T	C	0.327	0.027	0.303	4.19E-33	-0.022	0.019	0.228	0.037	143.594	TRUE	8.55E-31
COPD in never smokers	SLC39A14	cg12081754	rs554208420	C	A	-0.359	0.055	0.049	8.73E-11	0.003	0.039	0.942	0.011	42.063	TRUE	1.90E-10
COPD in never smokers	SLC39A14	cg12081754	rs73227857	T	C	-0.350	0.049	0.169	7.71E-13	-0.007	0.021	0.733	0.014	51.327	TRUE	2.75E-12
COPD in never smokers	SLC39A14	cg13512537	rs10088686	A	C	0.225	0.028	0.268	1.99E-15	0.014	0.019	0.469	0.017	63.040	TRUE	1.53E-14
COPD in never smokers	SLC39A14	cg13512537	rs12676477	C	T	-0.754	0.026	0.295	1.44E-179	-0.031	0.018	0.085	0.181	815.999	TRUE	9.91E-160
COPD in never smokers	SLC39A14	cg13512537	rs148082025	A	G	0.302	0.034	0.162	1.24E-18	0.067	0.022	0.003	0.021	77.591	TRUE	3.59E-16
COPD in never smokers	SLC39A14	cg13512537	rs2449346	C	T	-0.154	0.026	0.434	1.97E-09	-0.018	0.017	0.290	0.010	35.982	TRUE	1.02E-08
COPD in never smokers	SLC39A14	cg13512537	rs4872477	A	G	-0.233	0.025	0.494	1.24E-20	-0.016	0.017	0.343	0.023	86.684	TRUE	2.58E-19
COPD in never smokers	SLC39A14	cg13512537	rs6998654	T	C	0.299	0.055	0.133	4.27E-08	0.020	0.026	0.427	0.008	30.008	TRUE	1.44E-07
COPD in never smokers	SLC39A14	cg14348540	rs4871996	C	T	0.422	0.035	0.160	2.32E-33	0.036	0.023	0.115	0.038	144.771	TRUE	1.01E-30
COPD in never smokers	SLC39A14	cg14348540	rs4872483	T	C	-0.221	0.028	0.300	1.99E-15	-0.014	0.018	0.426	0.017	63.036	TRUE	1.69E-14
COPD in never smokers	SLC39A14	cg15257755	rs141286289	C	T	-0.270	0.045	0.071	2.66E-09	-0.035	0.030	0.250	0.009	35.401	TRUE	1.48E-08
COPD in never smokers	SLC39A14	cg15257755	rs28684831	A	G	0.370	0.042	0.109	6.42E-19	0.057	0.027	0.036	0.021	78.892	TRUE	5.50E-17
COPD in never smokers	SLC39A14	cg15257755	rs59160602	G	A	0.587	0.054	0.052	2.25E-27	0.086	0.036	0.016	0.031	117.420	TRUE	1.51E-24
COPD in never smokers	SLC39A14	cg15257755	rs6558033	C	T	0.472	0.025	0.454	6.64E-78	0.004	0.017	0.786	0.086	348.914	TRUE	3.71E-73
COPD in never smokers	SLC39A14	cg15257755	rs73544036	G	A	0.535	0.067	0.041	9.43E-16	-0.041	0.045	0.366	0.017	64.511	TRUE	9.58E-15
COPD in never smokers	SLC39A14	cg18042586	rs1987226	T	C	0.602	0.026	0.340	2.94E-119	-0.013	0.017	0.462	0.127	538.822	TRUE	1.43E-109
COPD in never smokers	SLC39A14	cg18042586	rs199957148	A	C	0.374	0.068	0.040	3.55E-08	-0.038	0.045	0.402	0.008	30.362	TRUE	1.26E-07
COPD in never smokers	SLC39A14	cg18042586	rs2449344	T	C	-0.276	0.049	0.064	1.34E-08	-0.010	0.032	0.763	0.009	32.248	TRUE	3.02E-08
COPD in never smokers	SLC39A14	cg18042586	rs2469765	C	T	0.212	0.025	0.446	7.79E-17	-0.025	0.017	0.130	0.018	69.424	TRUE	2.08E-15
COPD in never smokers	SLC39A14	cg18042586	rs2645	T	C	0.158	0.025	0.462	4.43E-10	-0.006	0.017	0.700	0.010	38.893	TRUE	1.25E-09
COPD in never smokers	SLC39A14	cg18042586	rs76660160	G	A	-0.231	0.034	0.160	1.83E-11	0.020	0.022	0.367	0.012	45.116	TRUE	1.06E-10
COPD in never smokers	SLC39A14	cg19595092	rs73227818	C	T	-0.247	0.030	0.235	2.64E-16	-0.038	0.019	0.048	0.018	67.019	TRUE	1.19E-14
COPD in never smokers	SLC39A14	cg23129673	rs13266541	A	G	0.880	0.026	0.291	8.33E-253	-0.031	0.018	0.082	0.238	1152.742	TRUE	7.60E-220
COPD in never smokers	SLC39A14	cg23129673	rs141286289	C	T	-0.272	0.045	0.071	1.90E-09	-0.035	0.030	0.250	0.010	36.051	TRUE	1.08E-08
COPD in never smokers	SLC39A14	cg23129673	rs148082025	A	G	-0.330	0.034	0.162	5.07E-22	0.067	0.022	0.003	0.025	93.012	TRUE	3.07E-19
COPD in never smokers	SLC39A14	cg23129673	rs2272716	C	T	-0.178	0.032	0.191	3.54E-08	0.034	0.022	0.117	0.008	30.368	TRUE	2.42E-07
COPD in never smokers	SLC39A14	cg23129673	rs2449336	A	G	-0.284	0.045	0.211	2.51E-10	0.018	0.019	0.355	0.011	39.999	TRUE	1.28E-09
COPD in never smokers	SLC39A14	cg23129673	rs2469765	C	T	0.230	0.025	0.446	1.41E-19	-0.025	0.017	0.130	0.022	81.892	TRUE	5.80E-18
COPD in never smokers	SLC39A14	cg23129673	rs28511282	A	G	0.572	0.060	0.049	2.18E-21	0.016	0.038	0.680	0.024	90.127	TRUE	2.19E-20
COPD in never smokers	SLC39A14	cg23129673	rs4872004	T	C	0.194	0.027	0.303	1.47E-12	-0.022	0.019	0.228	0.013	50.060	TRUE	1.39E-11
COPD in never smokers	SLC39A14	cg23129673	rs4872465	T	G	0.294	0.043	0.100	8.71E-12	0.002	0.027	0.950	0.012	46.573	TRUE	2.04E-11
COPD in never smokers	SLC39A14	cg23129673	rs4872477	A	G	0.227	0.025	0.494	1.50E-19	-0.016	0.017	0.343	0.022	81.758	TRUE	2.70E-18
COPD in never smokers	SLC39A14	cg23129673	rs73227857	T	C	-0.285	0.049	0.169	6.19E-09	-0.007	0.021	0.733	0.009	33.755	TRUE	1.50E-08
COPD in never smokers	SLC39A14	cg23563866	rs6994140	A	G	0.312	0.036	0.153	7.73E-18	0.029	0.024	0.224	0.020	73.980	TRUE	1.60E-16
COPD in never smokers	SLC39A14	cg23882724	rs4871996	C	T	0.200	0.035	0.160	1.63E-08	0.036	0.023	0.115	0.009	31.877	TRUE	1.19E-07

COPD in never smokers	SLC39A14	cg25257677	rs11136018	G	A	0.213	0.036	0.162	2.23E-09	0.029	0.023	0.213	0.010	35.746	TRUE	1.37E-08
COPD in never smokers	SLC39A14	cg25257677	rs4872483	T	C	-0.186	0.028	0.300	2.30E-11	-0.014	0.018	0.426	0.012	44.669	TRUE	1.17E-10
COPD in never smokers	SLC39A14	cg27467876	rs141286289	C	T	0.429	0.045	0.071	2.10E-21	-0.035	0.030	0.250	0.024	90.197	TRUE	6.65E-20
COPD in never smokers	SLC39A14	cg27467876	rs141892929	A	G	-1.228	0.021	0.234	<1E-200	-0.032	0.019	0.101	0.483	3458.308	TRUE	<1E-200
COPD in never smokers	SLC39A14	cg27467876	rs148082025	A	G	0.527	0.034	0.162	1.03E-54	0.067	0.022	0.003	0.062	242.545	TRUE	7.66E-49
COPD in never smokers	SLC39A14	cg27467876	rs149485511	T	G	-0.958	0.129	0.018	1.17E-13	-0.030	0.053	0.578	0.015	55.035	TRUE	5.90E-13
COPD in never smokers	SLC39A14	cg27467876	rs193004879	T	C	-0.962	0.167	0.012	9.12E-09	0.186	0.075	0.013	0.009	33.003	TRUE	1.61E-07
COPD in never smokers	SLC39A14	cg27467876	rs2443499	C	T	0.486	0.043	0.225	1.89E-29	-0.006	0.020	0.743	0.033	126.896	TRUE	4.35E-28
COPD in never smokers	SLC39A14	cg27467876	rs2449336	A	G	0.374	0.045	0.211	5.14E-17	0.018	0.019	0.355	0.019	70.243	TRUE	6.36E-16
COPD in never smokers	SLC39A14	cg27467876	rs2449346	C	T	-0.341	0.025	0.434	5.06E-41	-0.018	0.017	0.290	0.046	179.818	TRUE	2.72E-38
COPD in never smokers	SLC39A14	cg27467876	rs36105277	G	A	-0.464	0.025	0.441	7.89E-76	-0.019	0.017	0.267	0.084	339.393	TRUE	3.52E-70
COPD in never smokers	SLC39A14	cg27467876	rs554208420	C	A	0.381	0.055	0.049	5.65E-12	0.003	0.039	0.942	0.013	47.422	TRUE	1.36E-11
COPD in never smokers	SLC39A14	cg27467876	rs73227857	T	C	0.468	0.048	0.169	5.24E-22	-0.007	0.021	0.733	0.025	92.944	TRUE	5.05E-21
COPD in never smokers	SLC39A14	cg27467876	rs960509	A	G	0.297	0.025	0.500	8.27E-32	0.002	0.017	0.900	0.036	137.675	TRUE	1.74E-30
COPD in never smokers	SLC9A3R1	cg09978353	rs4789095	A	G	0.137	0.024	0.472	5.78E-09	0.055	0.017	9.02E-04	0.009	33.889	TRUE	2.26E-07
COPD in never smokers	SLC9A3R1	cg13163403	rs895692	G	A	-0.214	0.023	0.452	3.76E-20	-0.064	0.017	9.99E-05	0.022	84.498	TRUE	5.34E-17
COPD in never smokers	SLC9A3R1	cg21922841	rs12942311	C	T	0.207	0.030	0.178	5.46E-12	-0.007	0.021	0.735	0.013	47.487	TRUE	1.78E-11
COPD in never smokers	SLC9A3R1	cg21922841	rs2385067	A	G	0.153	0.024	0.467	1.01E-10	0.023	0.017	0.165	0.011	41.772	TRUE	8.90E-10
COPD in never smokers	SLC9A3R1	cg21922841	rs880827	T	C	-0.576	0.023	0.452	5.27E-141	-0.063	0.017	1.30E-04	0.147	638.744	TRUE	2.97E-123
COPD in never smokers	SNX32	cg06678084	rs10896049	A	G	0.258	0.032	0.150	1.41E-15	-0.014	0.023	0.526	0.017	63.717	TRUE	9.86E-15
COPD in never smokers	SNX32	cg13467162	rs61895685	G	A	0.388	0.032	0.156	9.67E-35	-0.014	0.023	0.538	0.039	151.079	TRUE	7.89E-33
COPD in never smokers	SNX32	cg15531562	rs10791819	G	A	0.333	0.026	0.247	2.04E-36	-0.004	0.019	0.812	0.041	158.744	TRUE	9.72E-35
COPD in never smokers	SNX32	cg15531562	rs111442339	C	T	-0.210	0.027	0.254	2.72E-15	-0.044	0.019	0.021	0.017	62.428	TRUE	1.57E-13
COPD in never smokers	SNX32	cg15531562	rs11227408	G	A	-0.602	0.069	0.057	3.43E-18	0.041	0.034	0.221	0.020	75.586	TRUE	7.57E-17
COPD in never smokers	SNX32	cg15531562	rs11605273	T	C	-0.482	0.070	0.059	4.32E-12	0.001	0.034	0.983	0.013	47.950	TRUE	9.87E-12
COPD in never smokers	SNX32	cg15531562	rs117107530	T	C	-0.465	0.068	0.031	1.10E-11	0.019	0.046	0.681	0.012	46.122	TRUE	3.77E-11
COPD in never smokers	SNX32	cg15531562	rs1201433	A	C	0.231	0.024	0.405	1.75E-22	0.014	0.017	0.418	0.025	95.117	TRUE	3.77E-21
COPD in never smokers	SNX32	cg15531562	rs12418103	A	G	0.564	0.034	0.128	9.96E-62	0.000	0.024	0.987	0.069	274.701	TRUE	1.31E-58
COPD in never smokers	SNX32	cg15531562	rs12802560	T	C	-0.390	0.028	0.217	6.46E-45	0.016	0.020	0.424	0.051	197.646	TRUE	3.69E-42
COPD in never smokers	SNX32	cg15531562	rs138924467	T	C	0.314	0.047	0.071	2.21E-11	-0.048	0.033	0.146	0.012	44.749	TRUE	2.32E-10
COPD in never smokers	SNX32	cg15531562	rs141399103	C	T	-0.526	0.084	0.020	4.58E-10	0.025	0.063	0.693	0.010	38.828	TRUE	1.31E-09
COPD in never smokers	SNX32	cg15531562	rs143659154	T	C	-0.402	0.071	0.028	1.65E-08	-0.016	0.049	0.743	0.009	31.853	TRUE	3.77E-08
COPD in never smokers	SNX32	cg15531562	rs148097428	A	G	0.337	0.056	0.047	1.37E-09	-0.001	0.038	0.988	0.010	36.693	TRUE	2.53E-09
COPD in never smokers	SNX32	cg15531562	rs17494956	A	G	-0.534	0.045	0.074	7.08E-33	-0.011	0.030	0.720	0.037	142.554	TRUE	2.69E-31
COPD in never smokers	SNX32	cg15531562	rs2282529	A	G	-0.133	0.024	0.434	4.19E-08	0.004	0.017	0.820	0.008	30.045	TRUE	8.39E-08
COPD in never smokers	SNX32	cg15531562	rs473661	C	T	0.584	0.064	0.037	3.92E-20	-0.039	0.046	0.393	0.022	84.412	TRUE	6.62E-19
COPD in never smokers	SNX32	cg15531562	rs484983	G	A	0.182	0.024	0.416	1.89E-14	0.025	0.017	0.139	0.016	58.608	TRUE	3.32E-13
COPD in never smokers	SNX32	cg15531562	rs575631	G	A	-0.962	0.017	0.483	<1E-200	0.033	0.017	0.047	0.464	3208.475	TRUE	<1E-200
COPD in never smokers	SNX32	cg15531562	rs633727	G	A	-0.191	0.023	0.487	2.38E-16	0.013	0.016	0.440	0.018	67.222	TRUE	2.19E-15
COPD in never smokers	SNX32	cg15531562	rs665902	G	T	-0.296	0.052	0.049	1.32E-08	-0.017	0.037	0.647	0.009	32.285	TRUE	3.45E-08
COPD in never smokers	SNX32	cg15531562	rs683191	T	G	0.443	0.042	0.083	1.85E-26	0.010	0.029	0.722	0.030	113.241	TRUE	3.10E-25
COPD in never smokers	SNX32	cg15531562	rs71457704	A	G	-0.422	0.053	0.054	1.00E-15	0.050	0.040	0.208	0.017	64.392	TRUE	1.62E-14

COPD in never smokers	SNX32	cg15531562	rs72941018	A	G	-0.410	0.044	0.073	1.70E-20	-0.021	0.032	0.516	0.023	86.066	TRUE	2.21E-19
COPD in never smokers	SNX32	cg15531562	rs74956044	T	C	0.541	0.061	0.032	4.86E-19	-0.048	0.038	0.202	0.021	79.442	TRUE	1.31E-17
COPD in never smokers	SNX32	cg15531562	rs75933844	A	G	0.469	0.041	0.086	1.24E-30	-0.030	0.029	0.293	0.035	132.301	TRUE	1.29E-28
COPD in never smokers	SNX32	cg15531562	rs76584642	G	T	-0.607	0.044	0.079	3.17E-44	-0.012	0.029	0.693	0.050	194.481	TRUE	6.49E-42
COPD in never smokers	SNX32	cg15531562	rs7950327	G	A	0.444	0.054	0.050	2.31E-16	0.031	0.039	0.427	0.018	67.281	TRUE	2.20E-15
COPD in never smokers	SNX32	cg15531562	rs79783977	G	A	0.581	0.093	0.017	4.00E-10	0.004	0.059	0.943	0.010	39.093	TRUE	8.19E-10
COPD in never smokers	SNX32	cg15531562	rs801741	C	T	-0.417	0.023	0.486	8.45E-73	0.018	0.016	0.265	0.081	325.491	TRUE	2.00E-67
COPD in never smokers	ST20	cg11839771	rs16971685	A	G	-0.363	0.066	0.032	3.01E-08	0.069	0.045	0.122	0.008	30.682	TRUE	2.04E-07
COPD in never smokers	ST20	cg11839771	rs1829758	C	A	0.206	0.031	0.173	3.89E-11	-0.033	0.022	0.133	0.012	43.643	TRUE	4.12E-10
COPD in never smokers	ST20	cg11839771	rs2562746	A	G	0.239	0.037	0.106	8.08E-11	0.034	0.026	0.192	0.011	42.215	TRUE	6.59E-10
COPD in never smokers	ST20	cg11839771	rs282798	C	T	-0.182	0.025	0.490	3.30E-13	0.007	0.017	0.665	0.014	52.995	TRUE	1.37E-12
COPD in never smokers	ST20	cg11839771	rs3892157	A	G	-0.168	0.028	0.252	1.83E-09	0.033	0.019	0.084	0.010	36.123	TRUE	1.83E-08
COPD in never smokers	ST20	cg11839771	rs62026657	G	A	-0.554	0.051	0.057	7.56E-28	-0.022	0.039	0.567	0.031	119.582	TRUE	2.21E-26
COPD in never smokers	ST20	cg11839771	rs6495455	C	T	-0.643	0.023	0.360	7.98E-167	-0.048	0.017	0.006	0.170	757.416	TRUE	5.01E-147
COPD in never smokers	ST20	cg11839771	rs66552844	A	G	0.297	0.032	0.171	1.47E-20	0.041	0.022	0.069	0.023	86.354	TRUE	1.12E-18
COPD in never smokers	ST20	cg11839771	rs71409267	G	T	-0.283	0.032	0.155	1.90E-18	0.003	0.022	0.899	0.020	76.750	TRUE	9.00E-18
COPD in never smokers	ST20	cg11839771	rs72736582	T	C	-0.238	0.040	0.088	3.71E-09	-0.027	0.027	0.315	0.009	34.753	TRUE	1.75E-08
COPD in never smokers	ST20	cg11839771	rs74025941	G	T	-0.304	0.046	0.065	4.25E-11	-0.027	0.033	0.412	0.012	43.470	TRUE	2.15E-10
COPD in never smokers	ST20	cg18753337	rs1074390	G	A	-0.269	0.024	0.397	1.26E-29	-0.048	0.017	0.005	0.033	127.695	TRUE	2.83E-26
COPD in never smokers	ST20	cg18753337	rs111800853	G	A	-0.773	0.074	0.026	2.20E-25	0.058	0.049	0.235	0.028	108.337	TRUE	1.33E-23
COPD in never smokers	ST20	cg18753337	rs11856087	A	G	-0.237	0.026	0.277	4.78E-20	0.008	0.018	0.640	0.022	84.024	TRUE	4.47E-19
COPD in never smokers	ST20	cg18753337	rs12437938	T	C	-0.936	0.078	0.023	6.91E-33	0.014	0.054	0.801	0.037	142.602	TRUE	2.13E-31
COPD in never smokers	ST20	cg18753337	rs12439250	C	T	-0.528	0.095	0.031	2.77E-08	-0.008	0.043	0.855	0.008	30.846	TRUE	5.41E-08
COPD in never smokers	ST20	cg18753337	rs12907428	T	C	-0.260	0.024	0.417	2.36E-28	-0.001	0.017	0.942	0.032	121.892	TRUE	2.98E-27
COPD in never smokers	ST20	cg18753337	rs12914365	G	A	-0.456	0.024	0.344	2.04E-80	-0.026	0.017	0.138	0.089	360.445	TRUE	7.72E-74
COPD in never smokers	ST20	cg18753337	rs140117705	A	G	-0.840	0.091	0.016	2.30E-20	0.040	0.057	0.485	0.023	85.467	TRUE	3.16E-19
COPD in never smokers	ST20	cg18753337	rs1403252	C	T	0.255	0.037	0.103	8.84E-12	-0.028	0.026	0.291	0.012	46.546	TRUE	6.33E-11
COPD in never smokers	ST20	cg18753337	rs185888913	C	A	0.236	0.038	0.104	5.20E-10	0.035	0.027	0.197	0.010	38.579	TRUE	3.70E-09
COPD in never smokers	ST20	cg18753337	rs2114713	G	T	0.167	0.024	0.426	3.03E-12	-0.021	0.017	0.208	0.013	48.642	TRUE	2.92E-11
COPD in never smokers	ST20	cg18753337	rs2461645	T	C	0.147	0.026	0.272	1.15E-08	0.010	0.019	0.599	0.009	32.547	TRUE	3.23E-08
COPD in never smokers	ST20	cg18753337	rs2562745	T	G	0.349	0.037	0.106	1.83E-21	0.034	0.026	0.201	0.024	90.475	TRUE	7.08E-20
COPD in never smokers	ST20	cg18753337	rs2733087	C	T	0.364	0.033	0.139	9.12E-28	-0.007	0.024	0.774	0.031	119.210	TRUE	1.58E-26
COPD in never smokers	ST20	cg18753337	rs2865825	A	G	-1.141	0.022	0.206	<1E-200	0.000	0.020	0.991	0.425	2731.202	TRUE	<1E-200
COPD in never smokers	ST20	cg18753337	rs34681825	C	T	0.381	0.036	0.117	7.26E-26	-0.035	0.025	0.169	0.029	110.534	TRUE	6.47E-24
COPD in never smokers	ST20	cg18753337	rs400143	C	T	-0.180	0.024	0.406	4.36E-14	-0.002	0.017	0.887	0.015	56.967	TRUE	1.38E-13
COPD in never smokers	ST20	cg18753337	rs4778756	C	T	0.230	0.024	0.481	1.48E-22	-0.001	0.017	0.958	0.025	95.442	TRUE	9.56E-22
COPD in never smokers	ST20	cg18753337	rs72736538	A	G	0.440	0.081	0.024	4.93E-08	0.037	0.053	0.489	0.008	29.728	TRUE	1.50E-07
COPD in never smokers	ST20	cg18753337	rs74025941	G	T	0.309	0.046	0.065	1.72E-11	-0.027	0.033	0.412	0.012	45.240	TRUE	9.14E-11
COPD in never smokers	ST20	cg18753337	rs77013706	T	C	0.285	0.049	0.057	4.92E-09	0.043	0.032	0.184	0.009	34.201	TRUE	3.12E-08
COPD in never smokers	ST20	cg18753337	rs939971	A	C	0.338	0.025	0.338	4.77E-42	0.021	0.017	0.227	0.048	184.512	TRUE	4.24E-39
COPD in never smokers	ST20	cg21315874	rs113084686	G	T	0.593	0.049	0.061	1.02E-33	-0.053	0.034	0.119	0.038	146.394	TRUE	4.61E-31
COPD in never smokers	ST20	cg21315874	rs16971397	G	A	0.440	0.038	0.101	2.04E-30	-0.066	0.028	0.018	0.034	131.315	TRUE	2.32E-27

COPD in never smokers	ST20	cg21315874	rs1829758	C	A	-0.185	0.031	0.173	2.63E-09	-0.033	0.022	0.133	0.009	35.419	TRUE	2.06E-08
COPD in never smokers	ST20	cg21315874	rs2586163	G	A	-0.288	0.033	0.142	6.85E-18	-0.004	0.024	0.865	0.020	74.218	TRUE	3.27E-17
COPD in never smokers	ST20	cg21315874	rs282795	A	G	0.188	0.025	0.330	3.84E-14	0.012	0.017	0.497	0.015	57.216	TRUE	2.39E-13
COPD in never smokers	ST20	cg21315874	rs35107739	T	C	-0.313	0.028	0.215	3.67E-28	0.001	0.020	0.947	0.032	121.014	TRUE	4.48E-27
COPD in never smokers	ST20	cg21315874	rs62006355	C	T	0.331	0.060	0.043	3.19E-08	0.055	0.044	0.212	0.008	30.572	TRUE	1.65E-07
COPD in never smokers	ST20	cg21315874	rs62026581	A	G	-0.255	0.044	0.070	8.14E-09	0.032	0.030	0.300	0.009	33.223	TRUE	3.77E-08
COPD in never smokers	ST20	cg21315874	rs62026657	G	A	0.349	0.051	0.057	7.33E-12	-0.022	0.039	0.567	0.013	46.911	TRUE	3.08E-11
COPD in never smokers	ST20	cg21315874	rs62028021	A	G	-0.257	0.040	0.089	1.03E-10	0.042	0.029	0.141	0.011	41.738	TRUE	9.85E-10
COPD in never smokers	ST20	cg21315874	rs6495456	T	C	0.702	0.022	0.360	3.47E-231	-0.048	0.017	0.006	0.222	1053.323	TRUE	3.85E-200
COPD in never smokers	ST20	cg21315874	rs66552844	A	G	-0.205	0.032	0.171	1.45E-10	0.041	0.022	0.069	0.011	41.066	TRUE	1.94E-09
COPD in never smokers	ST20	cg21315874	rs72732725	G	A	0.298	0.043	0.081	6.57E-12	0.032	0.030	0.279	0.013	47.127	TRUE	4.93E-11
COPD in never smokers	ST20	cg21315874	rs74025941	G	T	0.347	0.046	0.065	4.44E-14	-0.027	0.033	0.412	0.015	56.934	TRUE	3.27E-13
COPD in never smokers	ST20	cg21315874	rs76106646	G	A	0.302	0.040	0.099	5.76E-14	0.043	0.027	0.104	0.015	56.419	TRUE	1.12E-12
COPD in never smokers	ST20	cg21315874	rs8041120	G	A	-0.207	0.025	0.300	3.78E-16	0.017	0.017	0.336	0.018	66.312	TRUE	4.37E-15
COPD in never smokers	ST20	cg22389121	rs12907077	T	C	0.202	0.032	0.145	3.03E-10	0.014	0.022	0.527	0.011	39.634	TRUE	1.13E-09
COPD in never smokers	ST20	cg22389121	rs150450469	C	T	0.160	0.023	0.457	9.03E-12	0.021	0.017	0.213	0.012	46.503	TRUE	7.99E-11
COPD in never smokers	ST20	cg22389121	rs2115538	A	G	-0.272	0.029	0.202	1.79E-21	0.000	0.020	0.988	0.024	90.518	TRUE	9.72E-21
COPD in never smokers	ST20	cg22389121	rs62006301	C	T	-0.192	0.032	0.157	1.32E-09	-0.004	0.023	0.862	0.010	36.770	TRUE	2.87E-09
COPD in never smokers	ST20	cg22389121	rs7171636	T	C	0.583	0.029	0.194	4.03E-91	-0.030	0.021	0.144	0.100	409.589	TRUE	1.76E-83
COPD in never smokers	ST20	cg22389121	rs73487353	C	T	0.201	0.026	0.287	9.00E-15	0.014	0.018	0.432	0.016	60.071	TRUE	6.92E-14
COPD in never smokers	ST20	cg22389121	rs77013706	T	C	0.344	0.049	0.057	1.43E-12	0.043	0.032	0.184	0.013	50.116	TRUE	1.57E-11
COPD in never smokers	ST20	cg26673396	rs1081226	A	G	0.208	0.033	0.140	3.55E-10	0.000	0.024	0.987	0.011	39.323	TRUE	6.90E-10
COPD in never smokers	ST20	cg26673396	rs11636338	C	A	-0.154	0.024	0.354	2.37E-10	0.011	0.017	0.531	0.011	40.112	TRUE	8.89E-10
COPD in never smokers	ST20	cg26673396	rs16971332	G	A	-0.368	0.057	0.048	8.27E-11	0.025	0.039	0.528	0.011	42.171	TRUE	3.29E-10
COPD in never smokers	ST20	cg26673396	rs36043829	G	A	0.305	0.028	0.214	4.86E-27	0.001	0.020	0.942	0.030	115.893	TRUE	5.28E-26
COPD in never smokers	ST20	cg26673396	rs449923	G	T	-0.142	0.025	0.331	9.17E-09	0.013	0.017	0.467	0.009	32.993	TRUE	3.15E-08
COPD in never smokers	ST20	cg26673396	rs577212954	T	C	-0.280	0.043	0.099	8.01E-11	0.037	0.027	0.179	0.011	42.232	TRUE	6.81E-10
COPD in never smokers	ST20	cg26673396	rs74025941	G	T	-0.470	0.046	0.065	9.35E-25	-0.027	0.033	0.412	0.028	105.472	TRUE	2.78E-23
COPD in never smokers	ST20	cg26673396	rs8026997	C	T	-0.497	0.024	0.358	1.88E-96	-0.048	0.017	0.006	0.105	434.068	TRUE	2.20E-86
COPD in never smokers	STK25	cg08129953	rs11555263	A	G	-0.432	0.075	0.028	9.88E-09	-0.074	0.060	0.220	0.009	32.847	TRUE	5.41E-08
COPD in never smokers	STK25	cg08129953	rs62191665	G	A	0.290	0.041	0.081	1.81E-12	0.020	0.029	0.498	0.013	49.650	TRUE	9.23E-12
COPD in never smokers	STK25	cg09289202	rs10190033	C	A	-0.800	0.029	0.170	1.07E-164	0.035	0.022	0.107	0.168	747.636	TRUE	2.27E-147
COPD in never smokers	STK25	cg09289202	rs111576119	T	C	-0.662	0.066	0.053	9.52E-24	0.009	0.032	0.770	0.027	100.877	TRUE	1.03E-22
COPD in never smokers	STK25	cg09289202	rs112476475	G	A	-0.712	0.098	0.016	3.39E-13	0.116	0.064	0.068	0.014	52.940	TRUE	7.28E-12
COPD in never smokers	STK25	cg09289202	rs114169239	A	C	0.556	0.081	0.024	5.84E-12	-0.129	0.059	0.030	0.013	47.355	TRUE	1.48E-10
COPD in never smokers	STK25	cg09289202	rs115812193	C	T	-0.701	0.066	0.029	3.20E-26	0.036	0.050	0.474	0.029	112.159	TRUE	9.71E-25
COPD in never smokers	STK25	cg09289202	rs116660098	A	G	0.549	0.054	0.048	5.12E-24	-0.001	0.038	0.984	0.027	102.105	TRUE	3.65E-23
COPD in never smokers	STK25	cg09289202	rs11674264	A	G	0.168	0.029	0.197	1.20E-08	-0.026	0.021	0.214	0.009	32.463	TRUE	6.61E-08
COPD in never smokers	STK25	cg09289202	rs11890117	C	T	0.216	0.024	0.385	2.38E-19	0.017	0.017	0.320	0.021	80.854	TRUE	4.45E-18
COPD in never smokers	STK25	cg09289202	rs12613100	G	A	0.229	0.038	0.108	1.74E-09	0.013	0.026	0.612	0.010	36.227	TRUE	5.24E-09
COPD in never smokers	STK25	cg09289202	rs12621047	G	A	-0.221	0.027	0.279	8.39E-17	0.022	0.019	0.244	0.018	69.278	TRUE	1.40E-15
COPD in never smokers	STK25	cg09289202	rs13015179	G	A	-0.174	0.031	0.187	1.09E-08	0.012	0.021	0.569	0.009	32.657	TRUE	3.19E-08

COPD in never smokers	STK25	cg09289202	rs139875164	A	G	-0.553	0.068	0.033	5.92E-16	0.013	0.048	0.794	0.017	65.427	TRUE	2.63E-15
COPD in never smokers	STK25	cg09289202	rs142730039	G	A	-0.598	0.093	0.032	1.05E-10	0.007	0.045	0.877	0.011	41.696	TRUE	2.48E-10
COPD in never smokers	STK25	cg09289202	rs149679796	T	C	0.620	0.073	0.033	1.49E-17	-0.003	0.061	0.956	0.019	72.687	TRUE	5.83E-17
COPD in never smokers	STK25	cg09289202	rs149977848	A	G	-0.540	0.094	0.014	9.08E-09	-0.147	0.067	0.028	0.009	33.011	TRUE	1.23E-07
COPD in never smokers	STK25	cg09289202	rs17440466	C	T	-0.318	0.034	0.144	3.96E-21	0.033	0.022	0.130	0.023	88.947	TRUE	2.09E-19
COPD in never smokers	STK25	cg09289202	rs2012385	G	A	0.737	0.023	0.345	3.09E-227	-0.034	0.017	0.049	0.219	1035.160	TRUE	1.17E-198
COPD in never smokers	STK25	cg09289202	rs34107209	T	C	0.451	0.032	0.151	2.94E-45	-0.019	0.022	0.397	0.051	199.210	TRUE	1.98E-42
COPD in never smokers	STK25	cg09289202	rs376118837	G	T	-0.304	0.037	0.115	2.07E-16	0.043	0.027	0.119	0.018	67.496	TRUE	5.49E-15
COPD in never smokers	STK25	cg09289202	rs4675834	T	C	0.284	0.033	0.143	1.62E-17	-0.035	0.024	0.142	0.019	72.524	TRUE	4.53E-16
COPD in never smokers	STK25	cg09289202	rs6705421	A	G	0.803	0.020	0.445	<1E-200	-0.042	0.017	0.012	0.299	1575.382	TRUE	1.78E-289
COPD in never smokers	STK25	cg09289202	rs6737057	C	T	-0.367	0.024	0.353	7.55E-52	0.025	0.017	0.148	0.058	229.405	TRUE	6.75E-48
COPD in never smokers	STK25	cg09289202	rs6738073	G	A	0.236	0.039	0.103	1.27E-09	0.009	0.027	0.753	0.010	36.840	TRUE	3.19E-09
COPD in never smokers	STK25	cg09289202	rs6747920	A	G	0.341	0.058	0.091	4.96E-09	-0.056	0.029	0.055	0.009	34.186	TRUE	5.49E-08
COPD in never smokers	STK25	cg09289202	rs6760093	G	T	0.193	0.024	0.424	8.02E-16	-0.033	0.017	0.050	0.017	64.829	TRUE	3.24E-14
COPD in never smokers	STK25	cg09289202	rs73014018	A	G	-0.159	0.029	0.215	2.58E-08	0.008	0.020	0.697	0.008	30.986	TRUE	6.12E-08
COPD in never smokers	STK25	cg09289202	rs7420166	A	G	0.230	0.027	0.243	2.85E-17	-0.001	0.019	0.960	0.019	71.405	TRUE	1.08E-16
COPD in never smokers	STK25	cg09289202	rs7588758	T	G	-0.679	0.029	0.178	1.84E-118	0.008	0.021	0.714	0.126	535.161	TRUE	1.83E-109
COPD in never smokers	STK25	cg09289202	rs75917565	T	G	-0.497	0.045	0.070	6.01E-28	0.025	0.032	0.430	0.031	120.037	TRUE	2.63E-26
COPD in never smokers	STK25	cg09289202	rs76020097	T	C	-0.259	0.040	0.089	8.32E-11	0.010	0.027	0.698	0.011	42.159	TRUE	2.54E-10
COPD in never smokers	STK25	cg09289202	rs76240021	G	A	0.387	0.058	0.042	2.60E-11	0.008	0.042	0.852	0.012	44.436	TRUE	6.68E-11
COPD in never smokers	STK25	cg09289202	rs77726357	C	T	0.650	0.024	0.305	2.93E-161	0.013	0.018	0.486	0.165	731.833	TRUE	3.73E-146
COPD in never smokers	STK25	cg18149394	rs111918792	C	T	-0.567	0.043	0.073	3.86E-40	0.042	0.030	0.159	0.045	175.781	TRUE	3.80E-37
COPD in never smokers	STK25	cg19488206	rs7618	G	A	0.300	0.029	0.212	1.29E-25	0.025	0.020	0.203	0.029	109.395	TRUE	9.29E-24
COPD in never smokers	STK3	cg20673075	rs11783271	T	G	0.292	0.052	0.063	1.99E-08	0.049	0.034	0.150	0.008	31.490	TRUE	1.26E-07
COPD in never smokers	STK3	cg20673075	rs11987297	C	T	0.435	0.034	0.160	3.97E-37	-0.014	0.023	0.555	0.042	161.997	TRUE	4.33E-35
COPD in never smokers	STK3	cg20673075	rs146570205	T	G	-0.368	0.066	0.043	2.72E-08	0.030	0.040	0.450	0.008	30.883	TRUE	9.03E-08
COPD in never smokers	STK3	cg20673075	rs185727840	T	C	-0.531	0.063	0.040	3.19E-17	0.005	0.046	0.916	0.019	71.185	TRUE	1.30E-16
COPD in never smokers	STK3	cg20673075	rs2922073	G	T	-0.622	0.026	0.294	5.62E-125	0.021	0.018	0.239	0.133	565.095	TRUE	7.04E-114
COPD in never smokers	STK3	cg20673075	rs4735563	T	C	0.475	0.080	0.027	3.20E-09	0.007	0.051	0.898	0.009	35.038	TRUE	6.44E-09
COPD in never smokers	STK3	cg20673075	rs549854915	C	A	-0.574	0.059	0.047	4.84E-22	0.052	0.038	0.167	0.025	93.102	TRUE	2.41E-20
COPD in never smokers	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	0.037	0.017	0.029	0.030	114.298	TRUE	4.44E-24
COPD in never smokers	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	0.022	0.035	0.539	0.009	33.267	TRUE	2.47E-08
COPD in never smokers	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	-0.045	0.018	0.011	0.013	49.346	TRUE	8.84E-11
COPD in never smokers	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	0.037	0.017	0.030	0.055	215.024	TRUE	2.86E-44
COPD in never smokers	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	-0.026	0.017	0.124	0.016	61.158	TRUE	1.07E-13
COPD in never smokers	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	0.033	0.017	0.050	0.017	63.196	TRUE	6.97E-14
COPD in never smokers	TFRC	cg03462622	rs114951929	A	G	-0.383	0.067	0.085	1.14E-08	-0.020	0.028	0.475	0.009	32.577	TRUE	3.81E-08
COPD in never smokers	TFRC	cg03462622	rs13098628	G	T	0.212	0.025	0.322	1.43E-17	0.014	0.018	0.419	0.019	72.769	TRUE	1.61E-16
COPD in never smokers	TFRC	cg03462622	rs3107712	A	G	0.156	0.026	0.256	3.35E-09	0.005	0.019	0.775	0.009	34.952	TRUE	7.85E-09
COPD in never smokers	TFRC	cg03462622	rs406271	C	T	-0.543	0.024	0.288	3.86E-109	-0.040	0.018	0.026	0.117	492.344	TRUE	2.53E-98
COPD in never smokers	TFRC	cg03462622	rs4927870	A	C	-0.267	0.038	0.096	1.72E-12	-0.002	0.026	0.933	0.013	49.747	TRUE	4.40E-12
COPD in never smokers	TFRC	cg03462622	rs62408947	A	G	-0.296	0.043	0.077	4.63E-12	-0.089	0.031	0.004	0.013	47.813	TRUE	2.52E-10

COPD in never smokers	TFRC	cg03462622	rs6782834	G	A	0.172	0.024	0.344	2.22E-12	0.019	0.018	0.281	0.013	49.252	TRUE	1.77E-11
COPD in never smokers	TFRC	cg16311045	rs112577972	G	T	-0.203	0.023	0.430	2.60E-18	0.037	0.017	0.027	0.020	76.132	TRUE	2.35E-16
COPD in never smokers	TLR3	cg00306510	rs36103396	A	C	0.139	0.024	0.419	5.55E-09	-0.026	0.017	0.122	0.009	33.969	TRUE	4.27E-08
COPD in never smokers	TLR3	cg14827929	rs28524783	C	T	-0.129	0.023	0.450	4.20E-08	0.008	0.017	0.652	0.008	30.037	TRUE	1.04E-07
COPD in never smokers	TMEM102	cg13603805	rs111324067	A	G	-0.766	0.041	0.086	1.55E-78	-0.034	0.030	0.253	0.087	351.815	TRUE	1.37E-72
COPD in never smokers	TMEM102	cg13603805	rs11652328	G	A	0.157	0.023	0.439	1.95E-11	-0.012	0.017	0.482	0.012	44.996	TRUE	9.03E-11
COPD in never smokers	TMEM102	cg13603805	rs41283405	A	G	-0.318	0.053	0.051	1.46E-09	0.029	0.036	0.426	0.010	36.569	TRUE	5.92E-09
COPD in never smokers	TMEM102	cg13603805	rs8070077	T	C	-0.541	0.071	0.027	2.12E-14	0.123	0.048	0.011	0.016	58.389	TRUE	1.34E-12
COPD in never smokers	TMEM102	cg14782678	rs17879377	T	C	-0.415	0.056	0.046	7.92E-14	0.019	0.037	0.605	0.015	55.795	TRUE	3.89E-13
COPD in never smokers	TMEM102	cg14782678	rs34280588	C	T	-0.151	0.024	0.408	3.94E-10	-0.028	0.017	0.107	0.010	39.122	TRUE	3.94E-09
COPD in never smokers	TMEM102	cg18064787	rs16956936	T	C	-0.221	0.036	0.136	8.88E-10	0.029	0.025	0.240	0.010	37.537	TRUE	5.41E-09
COPD in never smokers	TMEM102	cg18064787	rs17856697	G	A	0.235	0.024	0.365	3.90E-22	-0.001	0.017	0.938	0.025	93.530	TRUE	2.51E-21
COPD in never smokers	TMEM102	cg18064787	rs72842820	A	G	-0.450	0.030	0.179	2.66E-50	0.057	0.021	0.006	0.057	222.318	TRUE	3.95E-45
COPD in never smokers	TMEM102	cg18064787	rs9901673	A	C	-0.240	0.031	0.187	4.13E-15	0.022	0.021	0.300	0.016	61.603	TRUE	4.58E-14
COPD in never smokers	TMEM102	cg21468274	rs17879377	T	C	-0.423	0.055	0.046	2.64E-14	0.019	0.037	0.605	0.015	57.952	TRUE	1.37E-13
COPD in never smokers	TMEM102	cg21468274	rs34899387	C	T	-0.689	0.047	0.070	1.64E-49	-0.020	0.032	0.526	0.056	218.695	TRUE	1.35E-46
COPD in never smokers	TMEM102	cg21468274	rs35894069	A	G	0.144	0.025	0.360	4.65E-09	-0.001	0.017	0.962	0.009	34.312	TRUE	8.51E-09
COPD in never smokers	TNF	cg02137984	rs1475865	T	C	-0.158	0.026	0.276	1.75E-09	-0.016	0.018	0.374	0.010	36.214	TRUE	7.70E-09
COPD in never smokers	TNF	cg10717214	rs3130283	A	C	-0.199	0.032	0.161	4.28E-10	-0.029	0.023	0.214	0.010	38.959	TRUE	2.93E-09
COPD in never smokers	TNF	cg11484872	rs1041981	A	C	0.139	0.024	0.360	1.48E-08	0.035	0.017	0.037	0.009	32.066	TRUE	1.72E-07
COPD in never smokers	TNF	cg21222743	rs2857600	T	C	-0.221	0.033	0.144	1.74E-11	-0.021	0.023	0.370	0.012	45.219	TRUE	1.00E-10
COPD in never smokers	TNF	cg21222743	rs9405084	T	C	0.148	0.026	0.323	6.52E-09	-0.047	0.018	0.008	0.009	33.653	TRUE	1.40E-07
COPD in never smokers	TNF	cg27531490	rs1055890	G	A	-0.184	0.025	0.356	9.19E-14	-0.040	0.017	0.019	0.015	55.503	TRUE	4.03E-12
COPD in never smokers	TNF	cg27531490	rs114733011	A	G	0.667	0.073	0.023	8.64E-20	-0.053	0.053	0.316	0.022	82.853	TRUE	1.74E-18
COPD in never smokers	TNF	cg27531490	rs116329723	G	T	0.729	0.104	0.015	2.61E-12	-0.011	0.070	0.879	0.013	48.933	TRUE	7.10E-12
COPD in never smokers	TNF	cg27531490	rs1265075	A	C	0.299	0.047	0.074	1.62E-10	-0.020	0.031	0.527	0.011	40.851	TRUE	6.25E-10
COPD in never smokers	TNF	cg27531490	rs138039007	C	T	0.660	0.086	0.022	2.42E-14	0.141	0.052	0.007	0.015	58.123	TRUE	1.83E-12
COPD in never smokers	TNF	cg27531490	rs17190638	C	T	-0.732	0.061	0.039	3.29E-33	-0.047	0.049	0.337	0.037	144.076	TRUE	4.23E-31
COPD in never smokers	TNF	cg27531490	rs184227609	C	A	-0.763	0.072	0.027	2.79E-26	-0.041	0.052	0.433	0.029	112.432	TRUE	9.59E-25
COPD in never smokers	TNF	cg27531490	rs2240063	T	C	-0.171	0.024	0.448	4.30E-13	-0.039	0.016	0.017	0.014	52.473	TRUE	1.72E-11
COPD in never smokers	TNF	cg27531490	rs3128984	G	A	0.425	0.051	0.062	5.78E-17	0.035	0.033	0.294	0.019	70.012	TRUE	8.41E-16
COPD in never smokers	TNF	cg27531490	rs377181093	G	A	0.305	0.041	0.091	1.58E-13	-0.060	0.031	0.051	0.015	54.433	TRUE	4.19E-12
COPD in never smokers	TNF	cg27531490	rs41543814	T	C	0.143	0.024	0.417	2.12E-09	-0.022	0.017	0.176	0.010	35.836	TRUE	1.46E-08
COPD in never smokers	TNF	cg27531490	rs41560718	C	A	0.710	0.072	0.026	9.67E-23	-0.045	0.055	0.410	0.025	96.289	TRUE	2.20E-21
COPD in never smokers	TNF	cg27531490	rs55777621	A	G	0.412	0.062	0.038	2.81E-11	-0.088	0.046	0.057	0.012	44.282	TRUE	4.68E-10
COPD in never smokers	TNF	cg27531490	rs67751797	G	A	0.211	0.036	0.141	6.10E-09	-0.031	0.025	0.203	0.009	33.784	TRUE	3.60E-08
COPD in never smokers	TNF	cg27531490	rs6927870	G	A	-0.245	0.027	0.240	1.80E-19	-0.034	0.019	0.077	0.022	81.400	TRUE	1.06E-17
COPD in never smokers	TNF	cg27531490	rs75622849	T	C	-0.484	0.082	0.023	4.54E-09	-0.037	0.063	0.557	0.009	34.358	TRUE	1.41E-08
COPD in never smokers	TNF	cg27531490	rs7776032	C	T	-0.145	0.026	0.305	2.27E-08	-0.028	0.019	0.133	0.008	31.233	TRUE	1.51E-07
COPD in never smokers	TNF	cg27531490	rs805825	A	G	-0.183	0.024	0.445	1.83E-14	0.065	0.017	7.86E-05	0.016	58.680	TRUE	6.27E-12
COPD in never smokers	TNF	cg27531490	rs9405084	T	C	0.255	0.025	0.323	1.06E-23	-0.047	0.018	0.008	0.026	100.672	TRUE	5.35E-21
COPD in never smokers	TP53INP2	cg00820065	rs6058108	G	A	-0.300	0.024	0.400	1.40E-36	-0.005	0.017	0.757	0.041	159.486	TRUE	7.94E-35

COPD in never smokers	TP53INP2	cg00820065	rs7265992	A	G	0.187	0.030	0.170	4.76E-10	-0.044	0.022	0.044	0.010	38.752	TRUE	7.01E-09
COPD in never smokers	TP53INP2	cg00876694	rs4911442	G	A	0.197	0.033	0.132	3.33E-09	-0.020	0.024	0.404	0.009	34.959	TRUE	1.34E-08
COPD in never smokers	TP53INP2	cg00876694	rs6088618	A	G	-0.179	0.024	0.445	9.15E-14	0.007	0.017	0.654	0.015	55.511	TRUE	4.10E-13
COPD in never smokers	TP53INP2	cg04270048	rs13037664	T	C	0.501	0.029	0.183	3.14E-68	-0.035	0.021	0.092	0.076	304.519	TRUE	1.43E-62
COPD in never smokers	TP53INP2	cg04270048	rs4911363	G	A	0.136	0.024	0.355	2.45E-08	-0.014	0.017	0.434	0.008	31.082	TRUE	8.41E-08
COPD in never smokers	TP53INP2	cg04270048	rs6058179	A	G	0.169	0.025	0.308	1.36E-11	-0.069	0.018	1.11E-04	0.012	45.694	TRUE	1.90E-09
COPD in never smokers	TP53INP2	cg04270048	rs6088372	T	C	0.275	0.032	0.137	5.76E-18	-0.063	0.023	0.006	0.020	74.562	TRUE	1.00E-15
COPD in never smokers	TP53INP2	cg06115741	rs13044031	C	A	0.413	0.051	0.055	4.96E-16	0.025	0.036	0.487	0.017	65.777	TRUE	3.96E-15
COPD in never smokers	TP53INP2	cg06115741	rs143384	G	A	0.181	0.024	0.401	3.32E-14	0.041	0.017	0.015	0.015	57.505	TRUE	1.76E-12
COPD in never smokers	TP53INP2	cg06115741	rs146582515	G	T	0.466	0.084	0.019	2.62E-08	0.028	0.063	0.651	0.008	30.956	TRUE	6.59E-08
COPD in never smokers	TP53INP2	cg06115741	rs147642147	T	C	0.413	0.049	0.073	5.22E-17	-0.010	0.033	0.761	0.019	70.215	TRUE	2.74E-16
COPD in never smokers	TP53INP2	cg06115741	rs17092209	G	A	-0.314	0.037	0.124	1.43E-17	0.011	0.025	0.651	0.019	72.761	TRUE	9.86E-17
COPD in never smokers	TP53INP2	cg06115741	rs2069946	C	T	0.365	0.060	0.041	1.06E-09	-0.058	0.040	0.145	0.010	37.195	TRUE	8.44E-09
COPD in never smokers	TP53INP2	cg06115741	rs2425020	T	C	-0.328	0.043	0.269	1.13E-14	-0.020	0.019	0.304	0.016	59.621	TRUE	1.17E-13
COPD in never smokers	TP53INP2	cg06115741	rs6058179	A	G	0.197	0.025	0.308	3.35E-15	-0.069	0.018	1.11E-04	0.016	62.017	TRUE	1.27E-12
COPD in never smokers	TP53INP2	cg06115741	rs6059575	C	T	0.267	0.023	0.477	1.27E-30	0.009	0.017	0.572	0.035	132.252	TRUE	5.30E-29
COPD in never smokers	TP53INP2	cg06115741	rs6060017	C	A	-0.344	0.030	0.172	3.47E-31	-0.037	0.021	0.087	0.035	134.829	TRUE	1.36E-28
COPD in never smokers	TP53INP2	cg06115741	rs6088776	C	T	0.288	0.034	0.139	1.08E-17	0.075	0.023	0.001	0.019	73.320	TRUE	3.36E-15
COPD in never smokers	TP53INP2	cg06115741	rs7267042	A	C	0.186	0.028	0.229	6.21E-11	0.018	0.019	0.342	0.011	42.731	TRUE	3.53E-10
COPD in never smokers	TP53INP2	cg06115741	rs73095129	A	G	0.462	0.061	0.038	3.87E-14	-0.060	0.046	0.191	0.015	57.201	TRUE	5.24E-13
COPD in never smokers	TP53INP2	cg06115741	rs910869	T	C	0.676	0.023	0.398	1.77E-196	-0.003	0.017	0.859	0.195	893.743	TRUE	4.86E-177
COPD in never smokers	TP53INP2	cg16810054	rs17310782	T	C	0.164	0.025	0.294	1.03E-10	-0.068	0.018	1.51E-04	0.011	41.750	TRUE	1.03E-08
COPD in never smokers	TP53INP2	cg16810054	rs2424998	A	G	0.426	0.030	0.171	2.59E-47	-0.037	0.021	0.085	0.053	208.625	TRUE	1.90E-43
COPD in never smokers	TP53INP2	cg16810054	rs6059839	C	T	-0.145	0.024	0.498	7.52E-10	0.008	0.017	0.618	0.010	37.861	TRUE	2.34E-09
COPD in never smokers	TP53INP2	cg16810054	rs6088372	T	C	0.220	0.032	0.137	6.96E-12	-0.063	0.023	0.006	0.013	47.015	TRUE	3.22E-10
COPD in never smokers	TP53INP2	cg16810054	rs77831801	G	A	0.421	0.075	0.029	1.76E-08	0.068	0.051	0.179	0.009	31.730	TRUE	1.03E-07
COPD in never smokers	TP53INP2	cg20592836	rs112321518	C	T	0.445	0.074	0.025	2.39E-09	0.105	0.050	0.035	0.010	35.606	TRUE	3.36E-08
COPD in never smokers	TP53INP2	cg20592836	rs113921126	C	T	0.811	0.051	0.061	2.58E-57	0.028	0.036	0.435	0.064	254.464	TRUE	1.18E-53
COPD in never smokers	TP53INP2	cg20592836	rs115799334	G	A	0.396	0.058	0.042	1.19E-11	0.022	0.039	0.566	0.012	45.960	TRUE	4.90E-11
COPD in never smokers	TP53INP2	cg20592836	rs116971224	A	G	0.425	0.073	0.027	6.85E-09	0.033	0.051	0.521	0.009	33.559	TRUE	2.20E-08
COPD in never smokers	TP53INP2	cg20592836	rs12481340	A	G	0.635	0.083	0.020	1.95E-14	0.086	0.056	0.128	0.016	58.549	TRUE	3.60E-13
COPD in never smokers	TP53INP2	cg20592836	rs13042836	A	C	-0.459	0.061	0.036	5.69E-14	0.054	0.040	0.175	0.015	56.444	TRUE	7.96E-13
COPD in never smokers	TP53INP2	cg20592836	rs148953382	A	G	0.322	0.055	0.044	4.61E-09	0.046	0.041	0.267	0.009	34.331	TRUE	2.37E-08
COPD in never smokers	TP53INP2	cg20592836	rs200948404	A	G	-0.563	0.094	0.016	2.56E-09	0.007	0.063	0.912	0.009	35.477	TRUE	5.09E-09
COPD in never smokers	TP53INP2	cg20592836	rs2069946	C	T	0.640	0.060	0.041	9.12E-27	-0.058	0.040	0.145	0.030	114.647	TRUE	1.08E-24
COPD in never smokers	TP53INP2	cg20592836	rs2425023	C	T	0.656	0.024	0.337	8.64E-165	0.025	0.017	0.153	0.168	748.063	TRUE	8.49E-148
COPD in never smokers	TP53INP2	cg20592836	rs2425050	G	A	0.236	0.029	0.213	4.08E-16	-0.001	0.020	0.950	0.018	66.160	TRUE	1.41E-15
COPD in never smokers	TP53INP2	cg20592836	rs41312284	A	G	0.738	0.071	0.034	2.57E-25	0.006	0.045	0.889	0.028	108.029	TRUE	2.59E-24
COPD in never smokers	TP53INP2	cg20592836	rs45610033	T	C	0.657	0.044	0.082	5.40E-51	0.067	0.030	0.023	0.057	225.491	TRUE	2.95E-46
COPD in never smokers	TP53INP2	cg20592836	rs6057936	A	G	-0.352	0.030	0.197	5.79E-32	0.034	0.021	0.110	0.036	138.381	TRUE	2.09E-29
COPD in never smokers	TP53INP2	cg20592836	rs6060017	C	A	-0.568	0.029	0.172	4.74E-84	-0.037	0.021	0.087	0.093	377.129	TRUE	8.48E-77
COPD in never smokers	TP53INP2	cg20592836	rs6087546	A	G	-0.437	0.027	0.237	1.75E-60	-0.027	0.020	0.165	0.068	268.988	TRUE	7.13E-56

COPD in never smokers	TP53INP2	cg20592836	rs6088316	G	A	-0.217	0.039	0.208	2.32E-08	-0.026	0.021	0.214	0.008	31.186	TRUE	1.22E-07
COPD in never smokers	TP53INP2	cg20592836	rs6142035	T	G	-0.222	0.036	0.118	8.28E-10	-0.015	0.025	0.560	0.010	37.672	TRUE	2.79E-09
COPD in never smokers	TP53INP2	cg20592836	rs6142110	C	T	-0.292	0.033	0.149	1.73E-18	-0.027	0.024	0.255	0.020	76.936	TRUE	3.53E-17
COPD in never smokers	TP53INP2	cg20592836	rs6142137	C	T	0.994	0.017	0.425	<1E-200	0.006	0.017	0.707	0.475	3351.556	TRUE	<1E-200
COPD in never smokers	TP53INP2	cg20592836	rs7266612	G	A	0.810	0.109	0.026	1.10E-13	0.045	0.053	0.395	0.015	55.153	TRUE	7.98E-13
COPD in never smokers	TP53INP2	cg20592836	rs7267042	A	C	0.324	0.028	0.229	2.85E-30	0.018	0.019	0.342	0.034	130.649	TRUE	2.33E-28
COPD in never smokers	TP53INP2	cg20592836	rs73095129	A	G	0.749	0.061	0.038	1.09E-34	-0.060	0.046	0.191	0.039	150.843	TRUE	3.50E-32
COPD in never smokers	TP53INP2	cg20592836	rs77831801	G	A	-0.599	0.075	0.029	1.17E-15	0.068	0.051	0.179	0.017	64.090	TRUE	2.08E-14
COPD in never smokers	TP53INP2	cg24642439	rs113170938	A	C	0.577	0.096	0.018	1.61E-09	-0.068	0.070	0.329	0.010	36.381	TRUE	7.75E-09
COPD in never smokers	TP53INP2	cg24642439	rs13041102	A	G	0.385	0.053	0.052	3.72E-13	0.065	0.038	0.085	0.014	52.759	TRUE	7.07E-12
COPD in never smokers	TP53INP2	cg24642439	rs17092209	G	A	-0.245	0.036	0.124	1.59E-11	0.011	0.025	0.651	0.012	45.400	TRUE	5.62E-11
COPD in never smokers	TP53INP2	cg24642439	rs181971379	A	G	0.357	0.063	0.034	1.48E-08	-0.073	0.046	0.109	0.009	32.059	TRUE	1.12E-07
COPD in never smokers	TP53INP2	cg24642439	rs2425020	T	C	-0.437	0.042	0.269	3.24E-25	-0.020	0.019	0.304	0.028	107.573	TRUE	1.45E-23
COPD in never smokers	TP53INP2	cg24642439	rs41312284	A	G	0.484	0.071	0.034	1.11E-11	0.006	0.045	0.889	0.012	46.096	TRUE	2.81E-11
COPD in never smokers	TP53INP2	cg24642439	rs563899326	C	T	0.334	0.056	0.051	2.15E-09	0.045	0.039	0.247	0.010	35.814	TRUE	1.22E-08
COPD in never smokers	TP53INP2	cg24642439	rs6060313	T	C	0.273	0.035	0.136	2.89E-15	0.007	0.024	0.774	0.017	62.303	TRUE	1.24E-14
COPD in never smokers	TP53INP2	cg24642439	rs6060378	G	T	0.242	0.025	0.322	1.34E-22	0.067	0.017	1.15E-04	0.025	95.644	TRUE	3.33E-19
COPD in never smokers	TP53INP2	cg24642439	rs6142047	C	T	-0.207	0.023	0.457	5.62E-19	-0.015	0.017	0.380	0.021	79.154	TRUE	8.43E-18
COPD in never smokers	TP53INP2	cg24642439	rs7265992	A	G	-0.315	0.029	0.170	1.06E-26	-0.044	0.022	0.044	0.030	114.356	TRUE	3.21E-24
COPD in never smokers	TP53INP2	cg24642439	rs79078695	G	T	0.367	0.036	0.120	6.79E-25	-0.046	0.024	0.059	0.028	106.105	TRUE	1.21E-22
COPD in never smokers	TP53INP2	cg24642439	rs910869	T	C	0.678	0.021	0.398	4.05E-238	-0.003	0.017	0.859	0.227	1085.201	TRUE	1.67E-211
COPD in never smokers	TRAF1	cg04517263	rs1837	A	G	0.148	0.027	0.262	4.07E-08	0.021	0.018	0.265	0.008	30.100	TRUE	1.83E-07
COPD in never smokers	TRAF1	cg04517263	rs1930785	T	G	0.154	0.024	0.420	8.29E-11	0.044	0.017	0.008	0.011	42.165	TRUE	2.73E-09
COPD in never smokers	TRAF1	cg14064762	rs1930785	T	G	0.240	0.024	0.420	2.49E-24	0.044	0.017	0.008	0.027	103.532	TRUE	1.40E-21
COPD in never smokers	TRAF1	cg14392772	rs10985070	C	A	-0.217	0.023	0.431	1.53E-20	0.047	0.017	0.005	0.023	86.271	TRUE	5.18E-18
COPD in never smokers	TRAF1	cg14518276	rs10739575	G	A	0.179	0.032	0.167	2.12E-08	0.015	0.022	0.490	0.008	31.361	TRUE	6.74E-08
COPD in never smokers	TRAF1	cg14518276	rs6478486	T	C	0.348	0.024	0.344	3.07E-46	0.023	0.017	0.172	0.052	203.705	TRUE	8.06E-43
COPD in never smokers	TRAF1	cg14518276	rs74971050	T	C	-0.195	0.032	0.158	8.73E-10	-0.034	0.022	0.133	0.010	37.569	TRUE	7.40E-09
COPD in never smokers	TRAF1	cg15551881	rs2300930	A	C	0.331	0.041	0.096	1.17E-15	0.084	0.029	0.003	0.017	64.093	TRUE	1.60E-13
COPD in never smokers	TRAF1	cg15551881	rs2300936	G	A	0.247	0.043	0.089	8.23E-09	0.025	0.029	0.381	0.009	33.203	TRUE	3.28E-08
COPD in never smokers	TRAF1	cg15551881	rs7021049	G	T	0.282	0.023	0.434	1.91E-33	0.049	0.016	0.003	0.038	145.151	TRUE	1.29E-29
COPD in never smokers	TRAF1	cg15551881	rs914842	A	G	0.186	0.028	0.224	4.97E-11	0.026	0.019	0.178	0.012	43.164	TRUE	4.38E-10
COPD in never smokers	TRAF1	cg21152671	rs1008381	T	C	0.494	0.024	0.341	4.77E-93	0.023	0.017	0.176	0.102	418.439	TRUE	2.36E-85
COPD in never smokers	TRAF1	cg21152671	rs17220750	A	G	0.243	0.040	0.090	1.35E-09	0.009	0.027	0.737	0.010	36.724	TRUE	3.46E-09
COPD in never smokers	TRAF1	cg21152671	rs1975468	C	A	0.189	0.032	0.165	1.83E-09	0.024	0.022	0.274	0.010	36.127	TRUE	9.84E-09
COPD in never smokers	TRAF1	cg21152671	rs2109890	G	T	0.391	0.052	0.054	4.02E-14	-0.014	0.035	0.700	0.015	57.129	TRUE	1.73E-13
COPD in never smokers	TRAF1	cg21152671	rs4837839	T	C	-0.177	0.023	0.456	3.56E-14	-0.008	0.017	0.630	0.015	57.366	TRUE	1.74E-13
COPD in never smokers	TRAF1	cg21152671	rs72760268	T	C	-0.589	0.086	0.017	9.01E-12	-0.014	0.063	0.828	0.012	46.507	TRUE	2.51E-11
COPD in never smokers	TRAF1	cg21152671	rs75780782	T	C	0.387	0.050	0.060	1.58E-14	-0.007	0.033	0.829	0.016	58.964	TRUE	5.73E-14
COPD in never smokers	TRAF1	cg21241889	rs10739575	G	A	0.219	0.032	0.167	7.73E-12	0.015	0.022	0.490	0.012	46.808	TRUE	3.70E-11
COPD in never smokers	TRAF1	cg21241889	rs150211503	T	C	-0.367	0.062	0.031	3.77E-09	0.071	0.043	0.096	0.009	34.718	TRUE	3.34E-08
COPD in never smokers	TRAF1	cg21241889	rs2109890	G	T	0.315	0.052	0.054	1.13E-09	-0.014	0.035	0.700	0.010	37.066	TRUE	3.07E-09

COPD in never smokers	TRAF1	cg21241889	rs3747846	G	A	-0.273	0.045	0.078	1.02E-09	0.001	0.032	0.963	0.010	37.274	TRUE	1.96E-09
COPD in never smokers	TRAF1	cg21241889	rs446038	A	G	0.175	0.030	0.172	6.37E-09	-0.002	0.021	0.917	0.009	33.701	TRUE	1.22E-08
COPD in never smokers	TRAF1	cg21241889	rs62578405	T	C	-0.711	0.046	0.076	5.60E-54	0.083	0.031	0.008	0.061	239.166	TRUE	1.43E-48
COPD in never smokers	TRAF1	cg21241889	rs6478484	T	C	0.477	0.024	0.345	4.33E-87	0.022	0.017	0.189	0.096	391.083	TRUE	4.53E-80
COPD in never smokers	TRAF1	cg21241889	rs7047206	T	G	-0.138	0.025	0.316	4.84E-08	0.005	0.018	0.776	0.008	29.762	TRUE	1.02E-07
COPD in never smokers	TRIM27	cg00259404	rs11752815	G	A	-0.250	0.043	0.080	4.96E-09	0.084	0.028	0.003	0.009	34.188	TRUE	1.42E-07
COPD in never smokers	TRIM27	cg00259404	rs209140	A	G	-0.277	0.026	0.247	8.39E-26	0.000	0.018	0.988	0.029	110.249	TRUE	7.18E-25
COPD in never smokers	TRIM27	cg01928896	rs3135321	G	A	0.162	0.023	0.491	3.99E-12	0.037	0.016	0.024	0.013	48.102	TRUE	1.15E-10
COPD in never smokers	TRIM27	cg02465979	rs116042790	T	C	-1.572	0.112	0.011	6.22E-45	-0.043	0.080	0.587	0.051	197.721	TRUE	1.99E-42
COPD in never smokers	TRIM27	cg02465979	rs140396177	G	A	-0.805	0.090	0.014	4.86E-19	-0.023	0.061	0.703	0.021	79.443	TRUE	3.56E-18
COPD in never smokers	TRIM27	cg02639080	rs113000237	A	G	-0.553	0.041	0.083	2.25E-41	0.092	0.028	8.51E-04	0.047	181.428	TRUE	1.72E-36
COPD in never smokers	TRIM27	cg02639080	rs114357009	A	G	-0.556	0.052	0.048	6.73E-27	-0.018	0.038	0.639	0.030	115.247	TRUE	1.45E-25
COPD in never smokers	TRIM27	cg02639080	rs1233387	T	C	-0.225	0.027	0.230	3.06E-16	-0.044	0.020	0.026	0.018	66.729	TRUE	1.90E-14
COPD in never smokers	TRIM27	cg02639080	rs16894128	G	A	0.223	0.035	0.131	1.78E-10	0.014	0.025	0.561	0.011	40.673	TRUE	6.46E-10
COPD in never smokers	TRIM27	cg02639080	rs2859379	T	C	-0.444	0.068	0.027	6.26E-11	0.114	0.043	0.008	0.011	42.715	TRUE	2.09E-09
COPD in never smokers	TRIM27	cg02639080	rs3129791	A	G	0.401	0.037	0.115	9.13E-28	0.117	0.024	1.36E-06	0.031	119.208	TRUE	4.13E-23
COPD in never smokers	TRIM27	cg02639080	rs35604709	A	G	-0.528	0.048	0.062	1.22E-28	-0.025	0.035	0.483	0.032	123.205	TRUE	4.99E-27
COPD in never smokers	TRIM27	cg02639080	rs4084097	C	T	-0.261	0.046	0.068	1.98E-08	-0.059	0.035	0.092	0.008	31.493	TRUE	1.57E-07
COPD in never smokers	TRIM27	cg02639080	rs7750106	A	C	-0.362	0.055	0.046	6.99E-11	-0.037	0.040	0.359	0.011	42.498	TRUE	3.81E-10
COPD in never smokers	TRIM27	cg03246690	rs115493717	A	G	-0.535	0.096	0.016	2.30E-08	-0.015	0.070	0.833	0.008	31.205	TRUE	4.65E-08
COPD in never smokers	TRIM27	cg03270340	rs1233387	T	C	0.152	0.028	0.230	3.28E-08	-0.044	0.020	0.026	0.008	30.519	TRUE	4.05E-07
COPD in never smokers	TRIM27	cg03270340	rs2531805	C	T	0.228	0.023	0.486	1.78E-22	-0.049	0.017	0.003	0.025	95.085	TRUE	1.07E-19
COPD in never smokers	TRIM27	cg03270340	rs3094574	A	G	0.193	0.024	0.437	4.42E-16	0.007	0.017	0.678	0.018	66.003	TRUE	2.45E-15
COPD in never smokers	TRIM27	cg03270340	rs3128871	C	T	0.181	0.027	0.257	1.91E-11	-0.008	0.020	0.677	0.012	45.033	TRUE	6.45E-11
COPD in never smokers	TRIM27	cg03270340	rs3129791	A	G	-1.059	0.035	0.115	2.87E-204	0.117	0.024	1.36E-06	0.201	929.556	TRUE	6.15E-174
COPD in never smokers	TRIM27	cg03270340	rs9257572	T	G	-0.279	0.024	0.426	1.91E-32	0.048	0.017	0.004	0.037	140.579	TRUE	8.38E-29
COPD in never smokers	TRIM27	cg05216056	rs115451991	A	C	-0.829	0.110	0.013	4.66E-14	0.058	0.080	0.469	0.015	56.838	TRUE	3.04E-13
COPD in never smokers	TRIM27	cg05216056	rs115537782	A	G	-0.841	0.101	0.013	6.18E-17	-0.089	0.064	0.162	0.019	69.880	TRUE	1.44E-15
COPD in never smokers	TRIM27	cg05216056	rs172164	G	A	-0.401	0.055	0.042	2.90E-13	-0.009	0.037	0.802	0.014	53.244	TRUE	9.70E-13
COPD in never smokers	TRIM27	cg05216056	rs202145819	G	A	-0.523	0.094	0.018	2.41E-08	-0.019	0.064	0.762	0.008	31.115	TRUE	5.30E-08
COPD in never smokers	TRIM27	cg05216056	rs209140	A	G	-0.927	0.023	0.247	<1E-200	0.000	0.018	0.988	0.310	1663.720	TRUE	<1E-200
COPD in never smokers	TRIM27	cg05216056	rs213231	T	G	-0.530	0.052	0.051	5.96E-24	-0.035	0.038	0.357	0.027	101.806	TRUE	1.87E-22
COPD in never smokers	TRIM27	cg05216056	rs2253518	G	A	0.253	0.032	0.157	4.41E-15	0.024	0.023	0.293	0.016	61.476	TRUE	4.96E-14
COPD in never smokers	TRIM27	cg05216056	rs2859379	T	C	-0.552	0.068	0.027	4.43E-16	0.114	0.043	0.008	0.018	66.000	TRUE	4.51E-14
COPD in never smokers	TRIM27	cg05216056	rs35604709	A	G	-0.588	0.047	0.062	3.17E-35	-0.025	0.035	0.483	0.040	153.296	TRUE	3.29E-33
COPD in never smokers	TRIM27	cg05216056	rs36050447	T	C	-0.615	0.076	0.025	8.66E-16	-0.052	0.048	0.281	0.017	64.678	TRUE	1.11E-14
COPD in never smokers	TRIM27	cg05216056	rs388017	T	C	0.375	0.063	0.035	2.52E-09	-0.079	0.047	0.089	0.010	35.503	TRUE	2.39E-08
COPD in never smokers	TRIM27	cg05216056	rs4947263	T	C	0.490	0.036	0.118	1.15E-41	0.118	0.024	9.40E-07	0.047	182.771	TRUE	2.53E-35
COPD in never smokers	TRIM27	cg05216056	rs55740552	G	T	-0.613	0.048	0.060	1.46E-37	-0.015	0.036	0.666	0.042	163.981	TRUE	1.22E-35
COPD in never smokers	TRIM27	cg05216056	rs6933976	A	G	-0.354	0.028	0.223	6.02E-37	-0.036	0.020	0.068	0.042	161.169	TRUE	8.04E-34
COPD in never smokers	TRIM27	cg05216056	rs73396583	C	T	-0.651	0.038	0.097	8.91E-67	0.071	0.026	0.007	0.075	297.856	TRUE	5.00E-60
COPD in never smokers	TRIM27	cg05216056	rs75524239	C	T	-0.277	0.038	0.104	5.68E-13	-0.020	0.029	0.475	0.014	51.926	TRUE	3.21E-12

COPD in never smokers	TRIM27	cg05314350	rs1535039	C	T	0.212	0.036	0.118	5.32E-09	0.121	0.024	4.84E-07	0.009	34.049	TRUE	9.38E-07
COPD in never smokers	TRIM27	cg07162905	rs1029328	C	T	0.194	0.034	0.135	1.46E-08	0.009	0.024	0.710	0.009	32.094	TRUE	3.49E-08
COPD in never smokers	TRIM27	cg07162905	rs1233388	G	A	-0.209	0.030	0.183	1.85E-12	-0.061	0.021	0.004	0.013	49.613	TRUE	1.12E-10
COPD in never smokers	TRIM27	cg07162905	rs209139	A	C	-0.490	0.049	0.057	6.37E-24	-0.038	0.035	0.283	0.027	101.672	TRUE	2.57E-22
COPD in never smokers	TRIM27	cg07162905	rs213232	G	A	-0.144	0.024	0.381	2.52E-09	0.053	0.017	0.001	0.010	35.503	TRUE	9.75E-08
COPD in never smokers	TRIM27	cg07162905	rs2253518	G	A	0.212	0.032	0.157	4.48E-11	0.024	0.023	0.293	0.012	43.367	TRUE	2.90E-10
COPD in never smokers	TRIM27	cg07162905	rs2859379	T	C	-0.449	0.068	0.027	3.64E-11	0.114	0.043	0.008	0.012	43.773	TRUE	1.28E-09
COPD in never smokers	TRIM27	cg07162905	rs35604709	A	G	-0.357	0.048	0.062	6.76E-14	-0.025	0.035	0.483	0.015	56.108	TRUE	4.20E-13
COPD in never smokers	TRIM27	cg07162905	rs79130209	A	G	-0.471	0.066	0.030	1.16E-12	0.114	0.042	0.006	0.013	50.532	TRUE	6.29E-11
COPD in never smokers	TRIM27	cg08125020	rs2859379	T	C	-0.371	0.068	0.027	3.94E-08	0.114	0.043	0.008	0.008	30.163	TRUE	6.80E-07
COPD in never smokers	TRIM27	cg08125020	rs35604709	A	G	-0.333	0.048	0.062	2.59E-12	-0.025	0.035	0.483	0.013	48.947	TRUE	1.33E-11
COPD in never smokers	TRIM27	cg08125020	rs388017	T	C	0.350	0.062	0.035	2.02E-08	-0.079	0.047	0.089	0.008	31.455	TRUE	1.62E-07
COPD in never smokers	TRIM27	cg08125020	rs55740552	G	T	-0.289	0.048	0.060	1.80E-09	-0.015	0.036	0.666	0.010	36.161	TRUE	5.02E-09
COPD in never smokers	TRIM27	cg08125020	rs67998226	C	T	0.243	0.037	0.113	3.03E-11	0.116	0.025	2.16E-06	0.012	44.133	TRUE	9.14E-09
COPD in never smokers	TRIM27	cg08125020	rs6933976	A	G	-0.197	0.028	0.223	1.73E-12	-0.036	0.020	0.068	0.013	49.746	TRUE	3.28E-11
COPD in never smokers	TRIM27	cg08125020	rs7742858	T	C	-0.375	0.041	0.083	1.06E-19	0.092	0.028	8.48E-04	0.022	82.449	TRUE	6.16E-17
COPD in never smokers	TRIM27	cg09292581	rs3129793	A	G	-0.127	0.023	0.490	3.68E-08	0.037	0.016	0.023	0.008	30.297	TRUE	4.67E-07
COPD in never smokers	TRIM27	cg09409585	rs113000237	A	G	-0.365	0.041	0.083	9.36E-19	0.092	0.028	8.51E-04	0.021	78.147	TRUE	4.36E-16
COPD in never smokers	TRIM27	cg09409585	rs114357009	A	G	-0.328	0.052	0.048	3.02E-10	-0.018	0.038	0.639	0.011	39.640	TRUE	9.50E-10
COPD in never smokers	TRIM27	cg09409585	rs2253518	G	A	0.212	0.032	0.157	4.70E-11	0.024	0.023	0.293	0.012	43.276	TRUE	3.03E-10
COPD in never smokers	TRIM27	cg09409585	rs35403242	A	G	-0.348	0.048	0.063	2.57E-13	-0.025	0.035	0.484	0.014	53.482	TRUE	1.49E-12
COPD in never smokers	TRIM27	cg09409585	rs6904975	A	G	-0.421	0.024	0.364	4.81E-71	-0.013	0.017	0.442	0.079	317.434	TRUE	2.93E-66
COPD in never smokers	TRIM27	cg09855662	rs13437444	T	C	-0.199	0.029	0.213	7.23E-12	0.053	0.020	0.007	0.013	46.939	TRUE	3.14E-10
COPD in never smokers	TRIM27	cg09855662	rs3128871	C	T	0.158	0.027	0.257	5.26E-09	-0.008	0.020	0.677	0.009	34.073	TRUE	1.38E-08
COPD in never smokers	TRIM27	cg09855662	rs35560946	T	C	-0.306	0.025	0.303	1.64E-33	0.075	0.017	1.80E-05	0.038	145.460	TRUE	1.28E-28
COPD in never smokers	TRIM27	cg09855662	rs6904975	A	G	-0.163	0.024	0.364	1.42E-11	-0.013	0.017	0.442	0.012	45.620	TRUE	7.18E-11
COPD in never smokers	TRIM27	cg10401017	rs1029328	C	T	0.262	0.034	0.135	2.01E-14	0.009	0.024	0.710	0.016	58.494	TRUE	8.77E-14
COPD in never smokers	TRIM27	cg10401017	rs115451991	A	C	-0.928	0.110	0.013	2.84E-17	0.058	0.080	0.469	0.019	71.411	TRUE	2.76E-16
COPD in never smokers	TRIM27	cg10401017	rs115537782	A	G	-0.876	0.101	0.013	3.03E-18	-0.089	0.064	0.162	0.020	75.827	TRUE	8.64E-17
COPD in never smokers	TRIM27	cg10401017	rs202145819	G	A	-0.555	0.094	0.018	3.11E-09	-0.019	0.064	0.762	0.009	35.093	TRUE	7.46E-09
COPD in never smokers	TRIM27	cg10401017	rs209140	A	G	-1.063	0.020	0.247	<1E-200	0.000	0.018	0.988	0.434	2835.038	TRUE	<1E-200
COPD in never smokers	TRIM27	cg10401017	rs213231	T	G	-0.656	0.052	0.051	4.91E-36	-0.035	0.038	0.357	0.041	156.997	TRUE	9.00E-34
COPD in never smokers	TRIM27	cg10401017	rs2253518	G	A	0.291	0.032	0.157	1.46E-19	0.024	0.023	0.293	0.022	81.813	TRUE	3.07E-18
COPD in never smokers	TRIM27	cg10401017	rs2859379	T	C	-0.658	0.068	0.027	2.63E-22	0.114	0.043	0.008	0.025	94.307	TRUE	9.59E-20
COPD in never smokers	TRIM27	cg10401017	rs3135316	G	A	0.493	0.037	0.116	1.97E-41	0.118	0.024	1.35E-06	0.047	181.696	TRUE	3.52E-35
COPD in never smokers	TRIM27	cg10401017	rs35604709	A	G	-0.721	0.047	0.062	1.07E-52	-0.025	0.035	0.483	0.059	233.297	TRUE	1.78E-49
COPD in never smokers	TRIM27	cg10401017	rs36050447	T	C	-0.669	0.076	0.025	1.79E-18	-0.052	0.048	0.281	0.020	76.863	TRUE	3.35E-17
COPD in never smokers	TRIM27	cg10401017	rs388017	T	C	0.424	0.063	0.035	1.48E-11	-0.079	0.047	0.089	0.012	45.530	TRUE	2.08E-10
COPD in never smokers	TRIM27	cg10401017	rs55740552	G	T	-0.663	0.048	0.060	8.20E-44	-0.015	0.036	0.666	0.049	192.593	TRUE	1.71E-41
COPD in never smokers	TRIM27	cg10401017	rs62401446	A	G	-0.581	0.092	0.019	3.13E-10	-0.101	0.062	0.102	0.011	39.573	TRUE	3.26E-09
COPD in never smokers	TRIM27	cg10401017	rs6933976	A	G	-0.397	0.028	0.223	2.78E-46	-0.036	0.020	0.068	0.052	203.906	TRUE	2.10E-42
COPD in never smokers	TRIM27	cg10401017	rs72846802	G	A	0.306	0.053	0.058	9.83E-09	-0.055	0.035	0.121	0.009	32.858	TRUE	7.28E-08

COPD in never smokers	TRIM27	cg10401017	rs73396583	C	T	-0.759	0.037	0.097	2.73E-91	0.071	0.026	0.007	0.100	410.368	TRUE	7.03E-82
COPD in never smokers	TRIM27	cg10401017	rs75524239	C	T	-0.320	0.038	0.104	7.96E-17	-0.020	0.029	0.475	0.018	69.382	TRUE	7.20E-16
COPD in never smokers	TRIM27	cg10401017	rs9348782	A	G	-0.438	0.051	0.050	1.54E-17	-0.035	0.036	0.341	0.019	72.622	TRUE	2.12E-16
COPD in never smokers	TRIM27	cg10718056	rs16893552	A	G	-0.256	0.042	0.079	1.41E-09	0.086	0.028	0.002	0.010	36.638	TRUE	4.98E-08
COPD in never smokers	TRIM27	cg10718056	rs35604709	A	G	-0.293	0.047	0.062	5.09E-10	-0.025	0.035	0.483	0.010	38.623	TRUE	1.98E-09
COPD in never smokers	TRIM27	cg10718056	rs6933976	A	G	-0.172	0.028	0.223	5.45E-10	-0.036	0.020	0.068	0.010	38.489	TRUE	6.57E-09
COPD in never smokers	TRIM27	cg11073024	rs1029328	C	T	-0.297	0.034	0.135	3.36E-18	0.009	0.024	0.710	0.020	75.627	TRUE	2.21E-17
COPD in never smokers	TRIM27	cg11073024	rs115486666	A	C	-0.516	0.076	0.027	1.06E-11	-0.005	0.049	0.915	0.012	46.188	TRUE	2.59E-11
COPD in never smokers	TRIM27	cg11073024	rs149952	T	C	0.331	0.051	0.047	1.27E-10	-0.002	0.036	0.962	0.011	41.325	TRUE	2.65E-10
COPD in never smokers	TRIM27	cg11073024	rs1794587	C	A	0.730	0.022	0.491	4.15E-246	0.035	0.016	0.032	0.233	1121.943	TRUE	1.59E-213
COPD in never smokers	TRIM27	cg11073024	rs2071966	G	T	0.363	0.041	0.086	8.98E-19	-0.026	0.030	0.385	0.021	78.229	TRUE	1.29E-17
COPD in never smokers	TRIM27	cg11073024	rs2074466	A	C	0.273	0.033	0.147	1.01E-16	-0.062	0.023	0.008	0.018	68.918	TRUE	1.21E-14
COPD in never smokers	TRIM27	cg11073024	rs2232428	T	C	0.464	0.036	0.105	5.19E-37	0.067	0.025	0.007	0.042	161.464	TRUE	4.26E-33
COPD in never smokers	TRIM27	cg11073024	rs2253518	G	A	-0.275	0.032	0.157	1.14E-17	0.024	0.023	0.293	0.019	73.208	TRUE	1.84E-16
COPD in never smokers	TRIM27	cg11073024	rs2523422	A	G	-0.254	0.027	0.252	9.96E-21	-0.045	0.019	0.020	0.023	87.123	TRUE	1.68E-18
COPD in never smokers	TRIM27	cg11073024	rs6920512	G	A	-0.286	0.045	0.070	1.41E-10	-0.034	0.031	0.280	0.011	41.128	TRUE	8.76E-10
COPD in never smokers	TRIM27	cg11073024	rs72831442	G	A	0.259	0.044	0.072	5.31E-09	0.005	0.034	0.879	0.009	34.053	TRUE	1.07E-08
COPD in never smokers	TRIM27	cg11073024	rs9257331	A	G	0.399	0.037	0.114	2.57E-27	0.118	0.024	1.25E-06	0.031	117.154	TRUE	1.06E-22
COPD in never smokers	TRIM27	cg11073024	rs9257448	G	A	0.381	0.047	0.068	5.19E-16	-0.003	0.032	0.933	0.017	65.689	TRUE	1.82E-15
COPD in never smokers	TRIM27	cg11886965	rs1029328	C	T	0.193	0.034	0.135	1.76E-08	0.009	0.024	0.710	0.009	31.729	TRUE	4.18E-08
COPD in never smokers	TRIM27	cg11886965	rs114289137	A	C	-0.432	0.066	0.030	6.73E-11	0.115	0.042	0.006	0.011	42.573	TRUE	2.50E-09
COPD in never smokers	TRIM27	cg11886965	rs116042790	T	C	0.851	0.113	0.011	5.86E-14	-0.043	0.080	0.587	0.015	56.386	TRUE	3.02E-13
COPD in never smokers	TRIM27	cg11886965	rs209139	A	C	-0.506	0.049	0.057	2.57E-25	-0.038	0.035	0.283	0.028	108.030	TRUE	1.27E-23
COPD in never smokers	TRIM27	cg11886965	rs2253518	G	A	0.238	0.032	0.157	1.71E-13	0.024	0.023	0.293	0.014	54.278	TRUE	1.55E-12
COPD in never smokers	TRIM27	cg11886965	rs2859379	T	C	-0.388	0.068	0.027	1.17E-08	0.114	0.043	0.008	0.009	32.523	TRUE	2.29E-07
COPD in never smokers	TRIM27	cg11886965	rs56299902	G	A	-0.551	0.061	0.035	2.96E-19	-0.056	0.048	0.246	0.021	80.420	TRUE	6.97E-18
COPD in never smokers	TRIM27	cg11886965	rs731132	G	T	0.156	0.025	0.392	1.85E-10	-0.042	0.017	0.014	0.011	40.594	TRUE	4.68E-09
COPD in never smokers	TRIM27	cg11886965	rs80210770	T	G	-0.260	0.024	0.388	1.63E-27	0.035	0.017	0.040	0.031	118.055	TRUE	6.18E-25
COPD in never smokers	TRIM27	cg11886965	rs9283885	A	G	-0.210	0.028	0.213	1.38E-13	-0.027	0.020	0.172	0.015	54.709	TRUE	1.84E-12
COPD in never smokers	TRIM27	cg12896170	rs1029328	C	T	0.215	0.034	0.135	3.67E-10	0.009	0.024	0.710	0.011	39.259	TRUE	1.03E-09
COPD in never smokers	TRIM27	cg12896170	rs114124258	T	C	-0.511	0.065	0.031	2.97E-15	0.109	0.041	0.008	0.017	62.250	TRUE	2.61E-13
COPD in never smokers	TRIM27	cg12896170	rs1233387	T	C	-0.230	0.027	0.230	6.62E-17	-0.044	0.020	0.026	0.019	69.747	TRUE	4.67E-15
COPD in never smokers	TRIM27	cg12896170	rs209139	A	C	-0.509	0.049	0.057	1.46E-25	-0.038	0.035	0.283	0.029	109.145	TRUE	7.48E-24
COPD in never smokers	TRIM27	cg12896170	rs2253518	G	A	0.219	0.032	0.157	1.12E-11	0.024	0.023	0.293	0.012	46.086	TRUE	7.86E-11
COPD in never smokers	TRIM27	cg12896170	rs3135316	G	A	0.261	0.037	0.116	1.63E-12	0.118	0.024	1.35E-06	0.013	49.858	TRUE	8.29E-10
COPD in never smokers	TRIM27	cg12896170	rs35604709	A	G	-0.488	0.048	0.062	1.14E-24	-0.025	0.035	0.483	0.028	105.077	TRUE	2.75E-23
COPD in never smokers	TRIM27	cg12896170	rs77983937	G	A	-0.473	0.066	0.031	1.13E-12	-0.052	0.047	0.269	0.013	50.571	TRUE	9.74E-12
COPD in never smokers	TRIM27	cg13060704	rs6904975	A	G	-0.221	0.024	0.364	4.72E-20	-0.013	0.017	0.442	0.022	84.046	TRUE	6.94E-19
COPD in never smokers	TRIM27	cg14059339	rs55740552	G	T	-0.282	0.048	0.060	3.30E-09	-0.015	0.036	0.666	0.009	34.977	TRUE	8.96E-09
COPD in never smokers	TRIM27	cg15613012	rs113000237	A	G	-0.257	0.041	0.083	5.49E-10	0.092	0.028	8.51E-04	0.010	38.475	TRUE	2.89E-08
COPD in never smokers	TRIM27	cg15613012	rs114357009	A	G	-0.288	0.052	0.048	3.13E-08	-0.018	0.038	0.639	0.008	30.608	TRUE	7.95E-08
COPD in never smokers	TRIM27	cg15613012	rs35604709	A	G	-0.384	0.048	0.062	6.46E-16	-0.025	0.035	0.483	0.017	65.257	TRUE	5.13E-15

COPD in never smokers	TRIM27	cg16061301	rs113000237	A	G	-0.367	0.041	0.083	6.40E-19	0.092	0.028	8.51E-04	0.021	78.898	TRUE	3.10E-16
COPD in never smokers	TRIM27	cg16061301	rs114357009	A	G	-0.450	0.052	0.048	4.43E-18	-0.018	0.038	0.639	0.020	75.081	TRUE	3.30E-17
COPD in never smokers	TRIM27	cg16061301	rs1233387	T	C	-0.161	0.028	0.230	4.84E-09	-0.044	0.020	0.026	0.009	34.236	TRUE	7.15E-08
COPD in never smokers	TRIM27	cg16061301	rs13437444	T	C	0.282	0.029	0.213	2.04E-22	0.053	0.020	0.007	0.025	94.815	TRUE	8.19E-20
COPD in never smokers	TRIM27	cg16061301	rs35604709	A	G	-0.410	0.048	0.062	6.92E-18	-0.025	0.035	0.483	0.020	74.200	TRUE	7.01E-17
COPD in never smokers	TRIM27	cg16061301	rs6936343	T	C	0.243	0.042	0.092	5.29E-09	-0.076	0.029	0.008	0.009	34.061	TRUE	1.14E-07
COPD in never smokers	TRIM27	cg16754082	rs13437444	T	C	0.207	0.029	0.213	1.16E-12	0.053	0.020	0.007	0.013	50.523	TRUE	6.02E-11
COPD in never smokers	TRIM27	cg16754082	rs209140	A	G	-0.505	0.026	0.247	3.04E-84	0.000	0.018	0.988	0.093	378.012	TRUE	2.80E-79
COPD in never smokers	TRIM27	cg16754082	rs55740552	G	T	-0.263	0.048	0.060	4.96E-08	-0.015	0.036	0.666	0.008	29.715	TRUE	1.19E-07
COPD in never smokers	TRIM27	cg16754082	rs56299902	G	A	-0.481	0.061	0.035	5.54E-15	-0.056	0.048	0.246	0.016	61.027	TRUE	7.06E-14
COPD in never smokers	TRIM27	cg16754082	rs73396583	C	T	-0.253	0.038	0.097	4.39E-11	0.071	0.026	0.007	0.012	43.409	TRUE	1.64E-09
COPD in never smokers	TRIM27	cg17666981	rs115196926	T	C	0.485	0.043	0.082	6.79E-29	-0.088	0.031	0.004	0.033	124.362	TRUE	1.33E-25
COPD in never smokers	TRIM27	cg17666981	rs115486666	A	C	0.494	0.076	0.027	8.24E-11	-0.005	0.049	0.915	0.011	42.178	TRUE	1.86E-10
COPD in never smokers	TRIM27	cg17666981	rs149957	T	G	-0.579	0.045	0.062	7.28E-38	-0.035	0.031	0.268	0.043	165.366	TRUE	2.61E-35
COPD in never smokers	TRIM27	cg17666981	rs16894128	G	A	0.460	0.035	0.131	3.48E-40	0.014	0.025	0.561	0.045	175.982	TRUE	5.86E-38
COPD in never smokers	TRIM27	cg17666981	rs184654684	G	A	0.432	0.079	0.025	4.06E-08	-0.067	0.054	0.220	0.008	30.105	TRUE	2.02E-07
COPD in never smokers	TRIM27	cg17666981	rs3117193	T	C	0.279	0.024	0.394	1.33E-30	0.009	0.017	0.585	0.034	132.167	TRUE	5.33E-29
COPD in never smokers	TRIM27	cg17666981	rs3128871	C	T	0.226	0.027	0.257	5.69E-17	-0.008	0.020	0.677	0.019	70.044	TRUE	3.47E-16
COPD in never smokers	TRIM27	cg17666981	rs3135316	G	A	-0.731	0.036	0.116	1.59E-91	0.118	0.024	1.35E-06	0.100	411.449	TRUE	3.71E-79
COPD in never smokers	TRIM27	cg17666981	rs362521	T	C	-0.436	0.047	0.063	8.56E-21	-0.039	0.035	0.263	0.023	87.422	TRUE	2.37E-19
COPD in never smokers	TRIM27	cg17666981	rs56295386	T	C	-0.615	0.036	0.105	5.76E-65	0.067	0.025	0.007	0.073	289.550	TRUE	2.09E-58
COPD in never smokers	TRIM27	cg17666981	rs731132	G	T	0.242	0.024	0.392	4.62E-23	-0.042	0.017	0.014	0.026	97.752	TRUE	1.50E-20
COPD in never smokers	TRIM27	cg17666981	rs7765791	C	T	-0.514	0.080	0.022	1.32E-10	-0.077	0.058	0.184	0.011	41.254	TRUE	1.07E-09
COPD in never smokers	TRIM27	cg17666981	rs9257460	A	G	-0.663	0.051	0.054	4.79E-38	-0.028	0.035	0.420	0.043	166.197	TRUE	9.40E-36
COPD in never smokers	TRIM27	cg17666981	rs9348792	T	C	0.362	0.062	0.039	6.73E-09	-0.032	0.044	0.472	0.009	33.594	TRUE	2.33E-08
COPD in never smokers	TRIM27	cg18844029	rs114383434	C	T	-0.693	0.059	0.037	7.92E-32	0.122	0.037	0.001	0.036	137.761	TRUE	6.12E-28
COPD in never smokers	TRIM27	cg18844029	rs115537782	A	G	-0.959	0.100	0.013	1.38E-21	-0.089	0.064	0.162	0.024	91.027	TRUE	6.59E-20
COPD in never smokers	TRIM27	cg18844029	rs13437444	T	C	0.364	0.029	0.213	3.26E-36	0.053	0.020	0.007	0.041	157.809	TRUE	2.16E-32
COPD in never smokers	TRIM27	cg18844029	rs16894128	G	A	0.380	0.035	0.131	8.99E-28	0.014	0.025	0.561	0.031	119.239	TRUE	2.64E-26
COPD in never smokers	TRIM27	cg18844029	rs209139	A	C	-0.916	0.048	0.057	1.01E-81	-0.038	0.035	0.283	0.090	366.441	TRUE	1.46E-75
COPD in never smokers	TRIM27	cg18844029	rs2859379	T	C	-0.739	0.068	0.027	9.22E-28	0.114	0.043	0.008	0.031	119.189	TRUE	1.00E-24
COPD in never smokers	TRIM27	cg18844029	rs36050447	T	C	-0.733	0.076	0.025	6.65E-22	-0.052	0.048	0.281	0.024	92.475	TRUE	2.01E-20
COPD in never smokers	TRIM27	cg18844029	rs388017	T	C	0.376	0.063	0.035	2.32E-09	-0.079	0.047	0.089	0.010	35.667	TRUE	2.21E-08
COPD in never smokers	TRIM27	cg18844029	rs62401446	A	G	-0.552	0.092	0.019	2.26E-09	-0.101	0.062	0.102	0.010	35.713	TRUE	2.03E-08
COPD in never smokers	TRIM27	cg18844029	rs6933825	G	A	-0.792	0.034	0.115	1.38E-117	0.066	0.024	0.007	0.126	531.149	TRUE	5.83E-105
COPD in never smokers	TRIM27	cg18844029	rs72831442	G	A	-0.644	0.044	0.072	5.57E-49	0.005	0.034	0.879	0.055	216.263	TRUE	1.33E-46
COPD in never smokers	TRIM27	cg18844029	rs9283885	A	G	-0.431	0.028	0.213	1.85E-53	-0.027	0.020	0.172	0.060	236.791	TRUE	1.83E-49
COPD in never smokers	TRIM27	cg18844029	rs9348782	A	G	-0.518	0.051	0.050	5.91E-24	-0.035	0.036	0.341	0.027	101.820	TRUE	1.96E-22
COPD in never smokers	TRIM27	cg18954047	rs62401458	A	G	-0.348	0.063	0.033	3.15E-08	-0.034	0.048	0.482	0.008	30.599	TRUE	9.90E-08
COPD in never smokers	TRIM27	cg18954047	rs79130209	A	G	-0.374	0.066	0.030	1.31E-08	0.114	0.042	0.006	0.009	32.306	TRUE	2.75E-07
COPD in never smokers	TRIM27	cg18954047	rs79157584	A	G	-0.363	0.054	0.048	1.45E-11	-0.034	0.038	0.376	0.012	45.570	TRUE	8.38E-11
COPD in never smokers	TRIM27	cg18954047	rs80210770	T	G	-0.146	0.024	0.388	9.25E-10	0.035	0.017	0.040	0.010	37.457	TRUE	1.34E-08

COPD in never smokers	TRIM27	cg19400926	rs1233387	T	C	-0.158	0.028	0.230	1.02E-08	-0.044	0.020	0.026	0.009	32.786	TRUE	1.41E-07
COPD in never smokers	TRIM27	cg19400926	rs209139	A	C	-0.296	0.049	0.057	1.48E-09	-0.038	0.035	0.283	0.010	36.543	TRUE	7.90E-09
COPD in never smokers	TRIM27	cg19400926	rs2859356	T	C	-0.265	0.032	0.162	6.42E-17	-0.042	0.022	0.064	0.019	69.806	TRUE	2.74E-15
COPD in never smokers	TRIM27	cg19400926	rs3095275	A	G	0.174	0.029	0.206	2.52E-09	-0.019	0.021	0.366	0.010	35.501	TRUE	1.10E-08
COPD in never smokers	TRIM27	cg21997109	rs1233388	G	A	0.238	0.030	0.183	1.21E-15	-0.061	0.021	0.004	0.017	64.018	TRUE	1.50E-13
COPD in never smokers	TRIM27	cg21997109	rs149952	T	C	0.456	0.051	0.047	6.93E-19	-0.002	0.036	0.962	0.021	78.740	TRUE	3.06E-18
COPD in never smokers	TRIM27	cg21997109	rs150790220	T	C	0.326	0.059	0.045	3.19E-08	-0.025	0.040	0.536	0.008	30.574	TRUE	9.28E-08
COPD in never smokers	TRIM27	cg21997109	rs16894128	G	A	-0.411	0.035	0.131	2.51E-32	0.014	0.025	0.561	0.036	140.044	TRUE	1.36E-30
COPD in never smokers	TRIM27	cg21997109	rs184654684	G	A	-0.495	0.079	0.025	3.02E-10	-0.067	0.054	0.220	0.011	39.638	TRUE	2.09E-09
COPD in never smokers	TRIM27	cg21997109	rs2523422	A	G	-0.321	0.027	0.252	2.60E-32	-0.045	0.019	0.020	0.036	139.970	TRUE	3.99E-29
COPD in never smokers	TRIM27	cg21997109	rs2531809	A	G	0.377	0.035	0.129	5.01E-27	-0.048	0.025	0.053	0.030	115.833	TRUE	1.42E-24
COPD in never smokers	TRIM27	cg21997109	rs35403242	A	G	0.403	0.048	0.063	2.28E-17	-0.025	0.035	0.484	0.019	71.850	TRUE	2.16E-16
COPD in never smokers	TRIM27	cg21997109	rs56295386	T	C	0.479	0.036	0.105	1.92E-39	0.067	0.025	0.007	0.045	172.591	TRUE	2.58E-35
COPD in never smokers	TRIM27	cg21997109	rs6907104	C	A	0.515	0.066	0.031	5.68E-15	-0.009	0.047	0.846	0.016	60.975	TRUE	2.09E-14
COPD in never smokers	TRIM27	cg21997109	rs6920512	G	A	-0.280	0.045	0.070	3.74E-10	-0.034	0.031	0.280	0.010	39.221	TRUE	2.19E-09
COPD in never smokers	TRIM27	cg21997109	rs731132	G	T	-0.320	0.024	0.392	1.15E-39	-0.042	0.017	0.014	0.045	173.606	TRUE	9.81E-36
COPD in never smokers	TRIM27	cg21997109	rs77273697	C	T	-0.229	0.027	0.258	1.17E-17	-0.005	0.019	0.800	0.019	73.171	TRUE	6.10E-17
COPD in never smokers	TRIM27	cg21997109	rs7752448	G	A	0.546	0.034	0.125	7.12E-57	0.113	0.024	1.89E-06	0.064	252.442	TRUE	6.86E-49
COPD in never smokers	TRIM27	cg21997109	rs9257452	A	G	0.465	0.047	0.068	3.08E-23	0.002	0.032	0.945	0.026	98.554	TRUE	2.19E-22
COPD in never smokers	TRIM27	cg22900372	rs115196926	T	C	-0.255	0.043	0.082	4.24E-09	-0.088	0.031	0.004	0.009	34.494	TRUE	1.12E-07
COPD in never smokers	TRIM27	cg22900372	rs1233387	T	C	-0.173	0.027	0.230	2.44E-10	-0.044	0.020	0.026	0.011	40.060	TRUE	4.73E-09
COPD in never smokers	TRIM27	cg22900372	rs16894139	C	T	-0.266	0.040	0.090	2.57E-11	-0.027	0.029	0.345	0.012	44.453	TRUE	1.53E-10
COPD in never smokers	TRIM27	cg22900372	rs3117193	T	C	0.203	0.024	0.394	5.08E-17	0.009	0.017	0.585	0.019	70.267	TRUE	3.73E-16
COPD in never smokers	TRIM27	cg22900372	rs55740552	G	T	-0.273	0.048	0.060	1.32E-08	-0.015	0.036	0.666	0.009	32.291	TRUE	3.35E-08
COPD in never smokers	TRIM27	cg22900372	rs73396550	G	A	-0.368	0.038	0.096	3.57E-22	0.071	0.026	0.007	0.025	93.702	TRUE	1.42E-19
COPD in never smokers	TRIM27	cg22900372	rs9380067	A	G	-0.231	0.028	0.246	7.37E-17	0.045	0.019	0.018	0.018	69.533	TRUE	6.09E-15
COPD in never smokers	TRIM27	cg23756442	rs3135316	G	A	-0.470	0.037	0.116	9.93E-38	0.118	0.024	1.35E-06	0.043	164.747	TRUE	6.62E-32
COPD in never smokers	TRIM27	cg23756442	rs72851179	A	G	-0.325	0.057	0.049	1.38E-08	-0.066	0.038	0.083	0.009	32.204	TRUE	1.18E-07
COPD in never smokers	TRIM27	cg23756442	rs9257572	T	G	-0.185	0.024	0.426	7.02E-15	0.048	0.017	0.004	0.016	60.560	TRUE	7.44E-13
COPD in never smokers	TRIM27	cg24697433	rs114325231	T	G	-0.572	0.048	0.063	2.86E-33	-0.055	0.035	0.122	0.038	144.355	TRUE	1.16E-30
COPD in never smokers	TRIM27	cg24697433	rs12195700	C	T	0.328	0.060	0.038	4.60E-08	-0.068	0.045	0.127	0.008	29.861	TRUE	2.97E-07
COPD in never smokers	TRIM27	cg24697433	rs149952	T	C	-0.595	0.051	0.047	3.01E-31	-0.002	0.036	0.962	0.035	135.112	TRUE	5.10E-30
COPD in never smokers	TRIM27	cg24697433	rs1736922	T	C	0.237	0.027	0.271	9.17E-19	0.047	0.018	0.010	0.021	78.187	TRUE	1.48E-16
COPD in never smokers	TRIM27	cg24697433	rs209140	A	G	-1.035	0.020	0.247	<1E-200	0.000	0.018	0.988	0.411	2585.652	TRUE	<1E-200
COPD in never smokers	TRIM27	cg24697433	rs34302671	G	A	0.298	0.038	0.108	1.98E-15	0.031	0.027	0.237	0.017	63.048	TRUE	2.77E-14
COPD in never smokers	TRIM27	cg24697433	rs35403242	A	G	-0.972	0.046	0.063	1.96E-97	-0.025	0.035	0.484	0.106	438.578	TRUE	3.20E-90
COPD in never smokers	TRIM27	cg24697433	rs62401446	A	G	-0.823	0.092	0.019	3.68E-19	-0.101	0.062	0.102	0.021	79.989	TRUE	1.69E-17
COPD in never smokers	TRIM27	cg24697433	rs73740605	C	T	-1.127	0.169	0.011	2.92E-11	0.188	0.072	0.009	0.012	44.205	TRUE	1.02E-09
COPD in never smokers	TRIM27	cg24697433	rs77983937	G	A	-0.902	0.066	0.031	9.86E-43	-0.052	0.047	0.269	0.048	187.646	TRUE	7.85E-40
COPD in never smokers	TRIM27	cg24697433	rs78793798	G	A	-1.056	0.066	0.030	5.43E-58	0.109	0.042	0.010	0.065	257.567	TRUE	2.90E-52
COPD in never smokers	TRIM27	cg24697433	rs9295793	A	C	0.282	0.032	0.156	2.77E-18	-0.049	0.023	0.031	0.020	76.005	TRUE	2.28E-16
COPD in never smokers	TRIM27	cg24697433	rs9461434	C	A	0.199	0.029	0.222	4.00E-12	0.043	0.020	0.027	0.013	48.099	TRUE	1.10E-10

COPD in never smokers	TRIM27	cg25525825	rs114357009	A	G	-0.289	0.052	0.048	2.79E-08	-0.018	0.038	0.639	0.008	30.832	TRUE	7.12E-08
COPD in never smokers	TRIM27	cg25525825	rs209140	A	G	-0.308	0.026	0.247	1.53E-31	0.000	0.018	0.988	0.036	136.454	TRUE	2.52E-30
COPD in never smokers	TRIM27	cg25525825	rs35604709	A	G	-0.292	0.048	0.062	8.84E-10	-0.025	0.035	0.483	0.010	37.546	TRUE	3.35E-09
COPD in never smokers	TRIM27	cg25701364	rs142863425	T	C	-0.235	0.042	0.080	2.78E-08	0.086	0.028	0.002	0.008	30.842	TRUE	7.17E-07
COPD in never smokers	TRIM27	cg25701364	rs2023463	T	C	0.212	0.036	0.119	4.80E-09	0.120	0.024	5.20E-07	0.009	34.251	TRUE	8.50E-07
COPD in never smokers	TRIM27	cg25701364	rs209140	A	G	-0.245	0.026	0.247	1.25E-20	0.000	0.018	0.988	0.023	86.680	TRUE	6.22E-20
COPD in never smokers	TRIM27	cg27120125	rs13200214	T	C	-0.228	0.037	0.110	5.52E-10	0.112	0.025	5.90E-06	0.010	38.465	TRUE	8.89E-08
COPD in never smokers	TRIM27	cg27120125	rs3129793	A	G	-0.130	0.023	0.490	2.00E-08	0.037	0.016	0.023	0.008	31.481	TRUE	2.69E-07
COPD in never smokers	TRIM27	cg27358207	rs75058702	T	G	0.279	0.049	0.065	1.06E-08	-0.069	0.034	0.041	0.009	32.708	TRUE	1.23E-07
COPD in never smokers	TRIM27	cg27383651	rs209140	A	G	-0.209	0.026	0.247	1.39E-15	0.000	0.018	0.988	0.017	63.754	TRUE	4.27E-15
COPD in never smokers	TRIM8	cg06662132	rs7475335	A	C	-0.179	0.025	0.323	3.34E-13	0.056	0.017	0.001	0.014	52.966	TRUE	3.56E-11
COPD in never smokers	TRIM8	cg07119830	rs11191286	T	C	-0.306	0.028	0.234	8.60E-28	-0.031	0.020	0.115	0.031	119.326	TRUE	1.48E-25
COPD in never smokers	TRIM8	cg07119830	rs112991768	G	A	0.231	0.036	0.121	1.40E-10	0.022	0.025	0.387	0.011	41.142	TRUE	6.94E-10
COPD in never smokers	TRIM8	cg07119830	rs117436403	T	C	-0.522	0.084	0.018	5.88E-10	-0.067	0.059	0.260	0.010	38.340	TRUE	3.51E-09
COPD in never smokers	TRIM8	cg07119830	rs117639302	T	C	-1.131	0.117	0.010	5.77E-22	0.020	0.071	0.775	0.024	92.755	TRUE	5.07E-21
COPD in never smokers	TRIM8	cg07119830	rs12765060	A	G	0.337	0.059	0.036	1.27E-08	0.111	0.042	0.008	0.009	32.364	TRUE	2.49E-07
COPD in never smokers	TRIM8	cg07119830	rs146213793	A	C	0.406	0.065	0.031	3.97E-10	0.034	0.042	0.424	0.010	39.108	TRUE	1.73E-09
COPD in never smokers	TRIM8	cg07119830	rs2002916	G	A	0.518	0.024	0.315	1.41E-99	-0.003	0.018	0.874	0.108	448.412	TRUE	6.08E-93
COPD in never smokers	TRIM8	cg07119830	rs3218225	A	G	-0.748	0.097	0.014	1.42E-14	-0.107	0.065	0.101	0.016	59.176	TRUE	3.10E-13
COPD in never smokers	TRIM8	cg07119830	rs4146429	C	T	-1.271	0.040	0.081	1.68E-223	-0.011	0.030	0.726	0.216	1017.988	TRUE	3.90E-199
COPD in never smokers	TRIM8	cg07119830	rs45516493	A	G	-0.227	0.034	0.134	4.78E-11	-0.013	0.024	0.592	0.012	43.242	TRUE	1.76E-10
COPD in never smokers	TRIM8	cg07119830	rs61869602	C	T	0.402	0.023	0.404	1.23E-67	0.027	0.017	0.109	0.075	301.794	TRUE	3.91E-62
COPD in never smokers	TRIM8	cg07119830	rs6584485	C	T	0.210	0.032	0.160	4.79E-11	0.079	0.023	4.78E-04	0.012	43.239	TRUE	3.92E-09
COPD in never smokers	TRIM8	cg07119830	rs7086205	C	T	0.242	0.033	0.144	2.51E-13	-0.004	0.022	0.869	0.014	53.528	TRUE	7.61E-13
COPD in never smokers	TRIM8	cg07119830	rs74465643	T	C	-0.908	0.090	0.018	4.04E-24	0.047	0.054	0.383	0.027	102.574	TRUE	1.20E-22
COPD in never smokers	TRIM8	cg07119830	rs7904281	A	G	-0.245	0.024	0.359	3.99E-24	0.016	0.017	0.359	0.027	102.599	TRUE	1.28E-22
COPD in never smokers	TRIM8	cg12673499	rs12764388	A	G	0.219	0.038	0.107	8.87E-09	0.028	0.026	0.290	0.009	33.056	TRUE	4.18E-08
COPD in never smokers	TRIM8	cg12673499	rs17783771	T	C	-0.437	0.025	0.326	1.21E-70	-0.013	0.018	0.445	0.079	315.596	TRUE	6.70E-66
COPD in never smokers	TRIM8	cg12673499	rs190041783	G	A	-0.334	0.058	0.042	6.65E-09	0.018	0.038	0.639	0.009	33.616	TRUE	1.81E-08
COPD in never smokers	TRIM8	cg12673499	rs284849	T	G	-0.219	0.030	0.194	1.81E-13	0.023	0.021	0.272	0.014	54.175	TRUE	1.72E-12
COPD in never smokers	TRIM8	cg12673499	rs4918013	A	G	0.204	0.036	0.122	1.85E-08	0.028	0.025	0.266	0.008	31.632	TRUE	8.73E-08
COPD in never smokers	TRIM8	cg12673499	rs61873698	T	C	-0.243	0.043	0.084	1.67E-08	-0.049	0.031	0.118	0.009	31.827	TRUE	1.21E-07
COPD in never smokers	TRIM8	cg22532475	rs11191317	A	G	-0.727	0.066	0.035	7.37E-28	-0.040	0.045	0.372	0.031	119.632	TRUE	3.82E-26
COPD in never smokers	TRIM8	cg22532475	rs11593244	C	T	-0.144	0.024	0.352	4.25E-09	-0.006	0.017	0.748	0.009	34.487	TRUE	1.02E-08
COPD in never smokers	TRIM8	cg22532475	rs12414777	T	C	0.398	0.031	0.164	1.91E-38	0.022	0.021	0.307	0.043	168.027	TRUE	6.27E-36
COPD in never smokers	TRIM8	cg22532475	rs12768205	T	C	0.326	0.026	0.282	6.47E-37	-0.010	0.018	0.574	0.042	161.025	TRUE	6.47E-35
COPD in never smokers	TRIM8	cg22532475	rs146213793	A	C	0.438	0.065	0.031	1.45E-11	0.034	0.042	0.424	0.012	45.578	TRUE	7.58E-11
COPD in never smokers	TRIM8	cg22532475	rs148089364	T	C	-0.312	0.048	0.059	7.08E-11	-0.045	0.033	0.180	0.011	42.473	TRUE	6.05E-10
COPD in never smokers	TRIM8	cg22532475	rs191944003	A	G	-0.801	0.089	0.018	2.14E-19	-0.012	0.064	0.853	0.021	81.063	TRUE	1.22E-18
COPD in never smokers	TRIM8	cg22532475	rs2250301	A	G	-0.281	0.027	0.247	4.84E-25	0.014	0.019	0.473	0.028	106.778	TRUE	1.26E-23
COPD in never smokers	TRIM8	cg22532475	rs2863710	C	A	0.246	0.028	0.204	6.34E-18	0.016	0.020	0.417	0.020	74.372	TRUE	7.53E-17
COPD in never smokers	TRIM8	cg22532475	rs28810078	A	G	-0.437	0.079	0.024	3.77E-08	-0.102	0.062	0.102	0.008	30.249	TRUE	2.72E-07

COPD in never smokers	TRIM8	cg22532475	rs2902544	T	C	0.349	0.038	0.104	8.03E-20	-0.004	0.027	0.897	0.022	82.997	TRUE	4.40E-19
COPD in never smokers	TRIM8	cg22532475	rs3014187	A	G	-0.236	0.037	0.231	3.34E-10	0.010	0.020	0.633	0.011	39.446	TRUE	1.05E-09
COPD in never smokers	TRIM8	cg22532475	rs35055249	C	A	0.322	0.045	0.072	7.48E-13	0.039	0.031	0.212	0.014	51.386	TRUE	7.79E-12
COPD in never smokers	TRIM8	cg22532475	rs35756290	A	G	0.387	0.025	0.297	2.18E-52	-0.008	0.018	0.660	0.059	231.877	TRUE	1.80E-49
COPD in never smokers	TRIM8	cg22532475	rs55833108	T	G	-0.321	0.027	0.235	6.50E-32	-0.018	0.020	0.366	0.036	138.152	TRUE	6.18E-30
COPD in never smokers	TRIM8	cg22532475	rs61873698	T	C	-0.474	0.043	0.084	2.45E-28	-0.049	0.031	0.118	0.032	121.814	TRUE	4.53E-26
COPD in never smokers	TRIM8	cg22532475	rs6584485	C	T	0.265	0.032	0.160	1.01E-16	0.079	0.023	4.78E-04	0.018	68.919	TRUE	3.55E-14
COPD in never smokers	TRIM8	cg22532475	rs6584538	G	A	-0.707	0.073	0.023	5.21E-22	-0.035	0.047	0.450	0.025	92.957	TRUE	9.66E-21
COPD in never smokers	TRIM8	cg22532475	rs7094906	G	A	-0.247	0.027	0.258	1.17E-19	-0.009	0.019	0.640	0.022	82.254	TRUE	1.05E-18
COPD in never smokers	TRIM8	cg22532475	rs72841265	T	C	-0.558	0.064	0.034	4.14E-18	0.032	0.045	0.471	0.020	75.215	TRUE	4.43E-17
COPD in never smokers	TRIM8	cg22532475	rs75779120	A	G	0.341	0.047	0.061	5.62E-13	-0.011	0.035	0.757	0.014	51.948	TRUE	1.96E-12
COPD in never smokers	TRIM8	cg22532475	rs76777914	A	G	-0.611	0.063	0.037	4.14E-22	-0.054	0.045	0.226	0.025	93.410	TRUE	1.59E-20
COPD in never smokers	TRIM8	cg22532475	rs7921010	T	G	0.221	0.029	0.192	5.03E-14	-0.031	0.021	0.138	0.015	56.688	TRUE	8.29E-13
COPD in never smokers	TRIM8	cg27391127	rs12241712	A	C	0.370	0.025	0.294	6.28E-48	-0.007	0.018	0.720	0.054	211.442	TRUE	2.08E-45
COPD in never smokers	UBE2K	cg05971751	rs1055582	C	T	0.134	0.023	0.491	1.02E-08	-0.039	0.016	0.018	0.009	32.790	TRUE	1.59E-07
COPD in never smokers	UBE2K	cg08814640	rs12645606	T	G	-0.392	0.034	0.136	3.90E-30	0.015	0.024	0.547	0.034	130.030	TRUE	1.63E-28
COPD in never smokers	UBE2K	cg22455082	rs2687988	C	A	-0.142	0.025	0.333	2.31E-08	0.012	0.017	0.506	0.008	31.202	TRUE	7.12E-08
COPD in never smokers	UBE2K	cg22455082	rs305139	A	G	-0.276	0.027	0.241	2.11E-24	-0.027	0.019	0.157	0.027	103.861	TRUE	1.59E-22
COPD in never smokers	UBE2K	cg22455082	rs465113	G	A	0.328	0.049	0.054	3.18E-11	0.034	0.035	0.333	0.012	44.036	TRUE	1.92E-10
COPD in never smokers	ULK1	cg07746532	rs78172903	T	C	-0.214	0.039	0.098	3.32E-08	0.061	0.027	0.024	0.008	30.497	TRUE	4.18E-07
COPD in never smokers	ULK1	cg08731435	rs10794450	T	G	0.298	0.044	0.077	7.97E-12	-0.002	0.031	0.939	0.012	46.749	TRUE	1.90E-11
COPD in never smokers	ULK1	cg08731435	rs10902466	G	A	1.078	0.027	0.177	<1E-200	0.028	0.022	0.204	0.305	1624.833	TRUE	6.75E-301
COPD in never smokers	ULK1	cg08731435	rs10902514	A	G	0.483	0.071	0.041	9.26E-12	0.051	0.047	0.280	0.012	46.455	TRUE	6.79E-11
COPD in never smokers	ULK1	cg08731435	rs11246948	A	G	0.190	0.027	0.263	7.22E-13	0.003	0.019	0.861	0.014	51.455	TRUE	2.12E-12
COPD in never smokers	ULK1	cg08731435	rs12227884	C	T	1.174	0.076	0.025	4.81E-54	0.007	0.052	0.887	0.061	239.470	TRUE	2.47E-51
COPD in never smokers	ULK1	cg08731435	rs12231279	G	A	0.328	0.026	0.273	1.10E-36	0.022	0.019	0.230	0.041	159.979	TRUE	3.93E-34
COPD in never smokers	ULK1	cg08731435	rs139019630	T	C	0.412	0.067	0.032	7.39E-10	-0.011	0.043	0.797	0.010	37.894	TRUE	1.79E-09
COPD in never smokers	ULK1	cg08731435	rs3088051	C	T	-0.312	0.026	0.275	4.53E-33	0.030	0.018	0.100	0.037	143.442	TRUE	2.14E-30
COPD in never smokers	ULK1	cg08731435	rs35187352	T	G	-0.162	0.024	0.393	1.17E-11	-0.001	0.017	0.968	0.012	45.994	TRUE	2.64E-11
COPD in never smokers	ULK1	cg08731435	rs4964931	G	T	-0.258	0.025	0.319	1.16E-25	0.009	0.018	0.629	0.029	109.612	TRUE	2.19E-24
COPD in never smokers	ULK1	cg08731435	rs55661795	C	T	0.206	0.024	0.487	2.55E-18	0.014	0.016	0.412	0.020	76.170	TRUE	3.23E-17
COPD in never smokers	ULK1	cg08731435	rs57442333	T	G	0.434	0.037	0.118	1.69E-32	-0.032	0.026	0.213	0.037	140.828	TRUE	3.39E-30
COPD in never smokers	ULK1	cg08731435	rs61942397	C	A	0.253	0.032	0.164	2.15E-15	-0.018	0.022	0.418	0.017	62.891	TRUE	1.85E-14
COPD in never smokers	ULK1	cg08731435	rs7137092	A	G	-0.160	0.027	0.265	2.09E-09	-0.030	0.019	0.113	0.010	35.870	TRUE	1.80E-08
COPD in never smokers	ULK1	cg08731435	rs729326	A	G	0.187	0.024	0.488	3.45E-15	-0.023	0.016	0.169	0.016	61.957	TRUE	5.95E-14
COPD in never smokers	ULK1	cg08731435	rs73469993	A	G	0.606	0.092	0.019	3.95E-11	-0.001	0.063	0.982	0.012	43.616	TRUE	8.34E-11
COPD in never smokers	ULK1	cg12944340	rs11246853	T	C	0.167	0.023	0.415	7.14E-13	-0.012	0.017	0.468	0.014	51.478	TRUE	4.04E-12
COPD in never smokers	ULK1	cg12944340	rs11246867	A	G	1.396	0.049	0.059	2.17E-179	-0.022	0.037	0.554	0.181	815.176	TRUE	8.46E-162
COPD in never smokers	ULK1	cg12944340	rs116490303	A	G	0.489	0.045	0.068	1.12E-27	-0.026	0.032	0.419	0.031	118.811	TRUE	4.85E-26
COPD in never smokers	ULK1	cg12944340	rs140558127	A	G	0.668	0.107	0.012	4.49E-10	-0.124	0.071	0.082	0.010	38.868	TRUE	5.06E-09
COPD in never smokers	ULK1	cg12944340	rs4964879	A	G	0.285	0.037	0.116	9.36E-15	0.045	0.025	0.074	0.016	59.995	TRUE	2.52E-13
COPD in never smokers	ULK1	cg12944340	rs57516732	C	T	0.304	0.031	0.183	4.79E-23	-0.016	0.022	0.474	0.026	97.679	TRUE	9.55E-22

COPD in never smokers	ULK1	cg12944340	rs61942925	T	C	0.495	0.064	0.034	6.39E-15	-0.007	0.047	0.888	0.016	60.744	TRUE	2.19E-14
COPD in never smokers	ULK1	cg12944340	rs737434	T	C	0.210	0.035	0.126	2.44E-09	0.040	0.025	0.103	0.010	35.563	TRUE	2.17E-08
COPD in never smokers	ULK1	cg12944340	rs7487848	T	C	0.493	0.066	0.037	7.73E-14	-0.067	0.044	0.126	0.015	55.844	TRUE	1.31E-12
COPD in never smokers	ULK1	cg12944340	rs77063486	T	C	1.268	0.101	0.014	5.57E-36	0.000	0.065	0.998	0.041	156.748	TRUE	1.54E-34
COPD in never smokers	ULK1	cg12944340	rs7956581	T	C	0.215	0.031	0.162	7.39E-12	0.006	0.023	0.807	0.013	46.895	TRUE	2.14E-11
COPD in never smokers	ULK1	cg13235087	rs10794450	T	G	-0.329	0.043	0.077	3.80E-14	-0.002	0.031	0.939	0.015	57.240	TRUE	1.11E-13
COPD in never smokers	ULK1	cg13235087	rs10902466	G	A	-1.186	0.024	0.177	<1E-200	0.028	0.022	0.204	0.392	2386.228	TRUE	<1E-200
COPD in never smokers	ULK1	cg13235087	rs10902491	G	A	-0.391	0.050	0.061	8.25E-15	0.015	0.034	0.650	0.016	60.241	TRUE	4.17E-14
COPD in never smokers	ULK1	cg13235087	rs10902498	T	G	0.145	0.024	0.423	9.93E-10	-0.035	0.017	0.036	0.010	37.318	TRUE	1.50E-08
COPD in never smokers	ULK1	cg13235087	rs10902514	A	G	-0.592	0.071	0.041	5.15E-17	0.051	0.047	0.280	0.019	70.239	TRUE	7.87E-16
COPD in never smokers	ULK1	cg13235087	rs11246904	T	C	0.277	0.025	0.330	1.14E-28	-0.026	0.018	0.136	0.032	123.333	TRUE	1.94E-26
COPD in never smokers	ULK1	cg13235087	rs11246912	A	G	-0.348	0.036	0.113	1.50E-21	0.042	0.025	0.100	0.024	90.863	TRUE	1.04E-19
COPD in never smokers	ULK1	cg13235087	rs11246947	G	A	-0.164	0.026	0.290	1.72E-10	0.007	0.018	0.693	0.011	40.745	TRUE	5.12E-10
COPD in never smokers	ULK1	cg13235087	rs11611560	T	C	0.245	0.025	0.281	4.82E-22	-0.001	0.018	0.937	0.025	93.112	TRUE	3.07E-21
COPD in never smokers	ULK1	cg13235087	rs12227884	C	T	-0.976	0.076	0.025	1.46E-37	0.007	0.052	0.887	0.042	163.977	TRUE	6.67E-36
COPD in never smokers	ULK1	cg13235087	rs1982527	G	A	-0.367	0.035	0.130	1.92E-25	-0.019	0.025	0.449	0.029	108.608	TRUE	5.64E-24
COPD in never smokers	ULK1	cg13235087	rs4964979	G	A	-0.311	0.025	0.351	2.86E-36	-0.026	0.017	0.136	0.041	158.069	TRUE	1.74E-33
COPD in never smokers	ULK1	cg13235087	rs61936372	G	A	-0.337	0.055	0.047	1.03E-09	0.013	0.040	0.739	0.010	37.241	TRUE	2.67E-09
COPD in never smokers	ULK1	cg13235087	rs61942397	C	A	-0.355	0.032	0.164	5.98E-29	-0.018	0.022	0.418	0.033	124.614	TRUE	3.12E-27
COPD in never smokers	ULK1	cg13235087	rs6422001	G	A	-0.384	0.029	0.194	2.65E-41	0.014	0.021	0.510	0.047	181.104	TRUE	6.25E-39
COPD in never smokers	ULK1	cg13235087	rs76147273	A	G	-0.769	0.086	0.019	3.74E-19	-0.098	0.068	0.150	0.021	79.957	TRUE	1.30E-17
COPD in never smokers	ULK1	cg15260428	rs10794450	T	G	0.326	0.044	0.077	7.07E-14	-0.002	0.031	0.939	0.015	56.018	TRUE	2.02E-13
COPD in never smokers	ULK1	cg15260428	rs10902514	A	G	0.549	0.071	0.041	7.87E-15	0.051	0.047	0.280	0.016	60.334	TRUE	8.87E-14
COPD in never smokers	ULK1	cg15260428	rs11246861	G	A	0.956	0.037	0.103	7.78E-146	0.026	0.027	0.331	0.152	660.945	TRUE	2.24E-132
COPD in never smokers	ULK1	cg15260428	rs11246912	A	G	0.403	0.036	0.113	1.76E-28	0.042	0.025	0.100	0.032	122.474	TRUE	3.84E-26
COPD in never smokers	ULK1	cg15260428	rs113562482	T	C	0.221	0.036	0.121	1.08E-09	-0.041	0.026	0.114	0.010	37.156	TRUE	9.73E-09
COPD in never smokers	ULK1	cg15260428	rs117479107	A	G	1.145	0.075	0.030	3.98E-53	-0.020	0.051	0.699	0.060	235.262	TRUE	3.25E-50
COPD in never smokers	ULK1	cg15260428	rs139019630	T	C	0.433	0.067	0.032	9.17E-11	-0.011	0.043	0.797	0.011	41.969	TRUE	2.42E-10
COPD in never smokers	ULK1	cg15260428	rs2398553	A	G	-0.139	0.024	0.421	4.92E-09	-0.010	0.017	0.558	0.009	34.204	TRUE	1.52E-08
COPD in never smokers	ULK1	cg15260428	rs28514346	A	G	-0.193	0.030	0.180	1.30E-10	-0.008	0.021	0.688	0.011	41.292	TRUE	3.94E-10
COPD in never smokers	ULK1	cg15260428	rs3088051	C	T	-0.325	0.026	0.275	1.22E-35	0.030	0.018	0.100	0.040	155.185	TRUE	9.03E-33
COPD in never smokers	ULK1	cg15260428	rs376165541	G	A	0.238	0.031	0.179	2.09E-14	0.013	0.023	0.567	0.016	58.409	TRUE	1.18E-13
COPD in never smokers	ULK1	cg15260428	rs4964931	G	T	-0.240	0.025	0.319	1.96E-22	0.009	0.018	0.629	0.025	94.891	TRUE	2.49E-21
COPD in never smokers	ULK1	cg15260428	rs61942945	T	C	0.501	0.035	0.113	2.24E-45	0.031	0.025	0.217	0.051	199.755	TRUE	3.74E-42
COPD in never smokers	ULK1	cg15260428	rs7302218	T	C	-0.134	0.024	0.404	2.45E-08	0.003	0.017	0.878	0.008	31.087	TRUE	4.67E-08
COPD in never smokers	ULK1	cg15260428	rs73486086	A	G	0.786	0.053	0.056	2.97E-49	-0.018	0.036	0.612	0.056	217.512	TRUE	1.73E-46
COPD in never smokers	ULK1	cg15260428	rs75026995	T	C	-0.262	0.027	0.253	1.29E-22	-0.029	0.019	0.122	0.025	95.723	TRUE	9.10E-21
COPD in never smokers	ULK1	cg15260428	rs77929763	A	G	1.317	0.034	0.099	<1E-200	0.038	0.027	0.155	0.291	1519.276	TRUE	4.78E-283
COPD in never smokers	ULK1	cg15260428	rs78329542	G	A	0.481	0.086	0.017	2.57E-08	-0.054	0.063	0.395	0.008	30.987	TRUE	9.38E-08
COPD in never smokers	ULK1	cg15260428	rs7973499	A	G	0.339	0.025	0.338	2.87E-42	-0.029	0.017	0.095	0.048	185.521	TRUE	7.32E-39
COPD in never smokers	ULK1	cg18849213	rs10902498	T	G	0.265	0.024	0.423	3.25E-29	-0.035	0.017	0.036	0.033	125.819	TRUE	1.82E-26
COPD in never smokers	ULK1	cg18849213	rs112272697	A	G	-0.277	0.048	0.058	1.01E-08	0.076	0.034	0.026	0.009	32.802	TRUE	1.38E-07

COPD in never smokers	ULK1	cg18849213	rs11246861	G	A	0.331	0.039	0.103	1.29E-17	0.026	0.027	0.331	0.019	72.977	TRUE	1.84E-16
COPD in never smokers	ULK1	cg18849213	rs117479107	A	G	-0.475	0.076	0.030	3.65E-10	-0.020	0.051	0.699	0.011	39.270	TRUE	1.04E-09
COPD in never smokers	ULK1	cg18849213	rs12422267	G	A	-0.436	0.039	0.092	1.40E-28	-0.004	0.028	0.898	0.032	122.924	TRUE	2.01E-27
COPD in never smokers	ULK1	cg18849213	rs1456619	T	C	0.169	0.025	0.376	6.64E-12	-0.023	0.017	0.180	0.013	47.107	TRUE	6.66E-11
COPD in never smokers	ULK1	cg18849213	rs3088051	C	T	-0.335	0.026	0.275	7.59E-38	0.030	0.018	0.100	0.043	165.283	TRUE	8.24E-35
COPD in never smokers	ULK1	cg18849213	rs35456238	C	A	0.576	0.054	0.048	3.49E-26	0.004	0.040	0.918	0.029	111.984	TRUE	3.64E-25
COPD in never smokers	ULK1	cg18849213	rs73486086	A	G	0.366	0.054	0.056	1.24E-11	-0.018	0.036	0.612	0.012	45.875	TRUE	4.74E-11
COPD in never smokers	ULK1	cg18849213	rs7485527	A	C	0.150	0.025	0.374	1.13E-09	0.001	0.018	0.937	0.010	37.073	TRUE	2.24E-09
COPD in never smokers	ULK1	cg21649013	rs117479107	A	G	0.440	0.076	0.030	6.78E-09	-0.020	0.051	0.699	0.009	33.580	TRUE	1.70E-08
COPD in never smokers	ULK1	cg21649013	rs78570824	T	C	0.577	0.039	0.097	1.21E-50	0.060	0.027	0.025	0.057	223.889	TRUE	5.80E-46
COPD in never smokers	USP36	cg00945209	rs111356746	G	T	-0.275	0.046	0.067	3.10E-09	-0.062	0.034	0.068	0.009	35.100	TRUE	3.25E-08
COPD in never smokers	USP36	cg00945209	rs3744800	G	A	-0.314	0.024	0.435	2.69E-40	-0.026	0.017	0.119	0.046	176.498	TRUE	3.77E-37
COPD in never smokers	USP36	cg00945209	rs7502935	A	G	0.161	0.026	0.318	3.40E-10	0.003	0.018	0.856	0.011	39.407	TRUE	7.87E-10
COPD in never smokers	USP36	cg01449677	rs3744799	T	C	-0.184	0.023	0.434	3.45E-15	-0.026	0.017	0.116	0.016	61.958	TRUE	7.64E-14
COPD in never smokers	USP36	cg05380734	rs11077400	G	A	0.258	0.028	0.231	1.52E-20	0.060	0.020	0.003	0.023	86.292	TRUE	6.73E-18
COPD in never smokers	USP36	cg05380734	rs12453433	A	G	-0.155	0.025	0.340	4.78E-10	0.002	0.017	0.898	0.010	38.746	TRUE	1.03E-09
COPD in never smokers	USP36	cg05380734	rs147280325	A	G	0.736	0.115	0.011	1.46E-10	0.224	0.073	0.002	0.011	41.058	TRUE	6.91E-09
COPD in never smokers	USP36	cg05380734	rs2054624	T	C	-0.221	0.031	0.194	5.90E-13	-0.025	0.022	0.254	0.014	51.851	TRUE	5.49E-12
COPD in never smokers	USP36	cg05380734	rs35273233	A	G	0.521	0.030	0.182	2.44E-68	0.016	0.021	0.458	0.076	305.026	TRUE	8.02E-64
COPD in never smokers	USP36	cg05380734	rs7221314	G	A	-0.236	0.025	0.308	5.85E-21	-0.008	0.018	0.658	0.023	88.173	TRUE	5.86E-20
COPD in never smokers	USP36	cg06146665	rs10852713	G	A	-0.308	0.023	0.499	1.76E-39	-0.033	0.017	0.050	0.045	172.766	TRUE	4.95E-36
COPD in never smokers	USP36	cg06146665	rs112214887	G	A	0.473	0.030	0.194	9.86E-58	0.017	0.021	0.398	0.065	256.378	TRUE	5.75E-54
COPD in never smokers	USP36	cg06146665	rs113712972	A	G	-0.512	0.065	0.036	3.85E-15	-0.014	0.041	0.733	0.016	61.741	TRUE	1.75E-14
COPD in never smokers	USP36	cg06146665	rs11652571	T	G	-0.176	0.029	0.211	1.31E-09	0.013	0.020	0.525	0.010	36.779	TRUE	4.55E-09
COPD in never smokers	USP36	cg06146665	rs117389925	A	G	-0.550	0.076	0.025	3.78E-13	-0.019	0.054	0.722	0.014	52.727	TRUE	1.42E-12
COPD in never smokers	USP36	cg06146665	rs147280325	A	G	1.009	0.115	0.011	1.23E-18	0.224	0.073	0.002	0.021	77.607	TRUE	3.87E-16
COPD in never smokers	USP36	cg06146665	rs150762586	T	C	-0.833	0.103	0.015	6.35E-16	0.044	0.075	0.561	0.017	65.289	TRUE	4.31E-15
COPD in never smokers	USP36	cg06146665	rs2054624	T	C	-0.817	0.029	0.194	1.71E-171	-0.025	0.022	0.254	0.174	778.880	TRUE	4.84E-154
COPD in never smokers	USP36	cg06146665	rs57556322	G	A	-0.154	0.028	0.237	2.15E-08	-0.002	0.019	0.901	0.008	31.340	TRUE	4.01E-08
COPD in never smokers	USP36	cg06146665	rs71385991	C	T	-0.755	0.074	0.022	1.45E-24	0.112	0.049	0.023	0.028	104.608	TRUE	4.58E-22
COPD in never smokers	USP36	cg06146665	rs72849504	T	C	0.330	0.046	0.165	1.26E-12	0.030	0.023	0.182	0.013	50.357	TRUE	1.40E-11
COPD in never smokers	USP36	cg06146665	rs931226	T	C	0.306	0.055	0.050	2.01E-08	-0.007	0.037	0.854	0.008	31.464	TRUE	3.99E-08
COPD in never smokers	USP36	cg06146665	rs9912418	C	T	0.208	0.024	0.385	7.13E-18	-0.007	0.017	0.694	0.020	74.139	TRUE	4.67E-17
COPD in never smokers	USP36	cg07385573	rs3744802	G	A	-0.302	0.023	0.461	2.43E-38	-0.013	0.017	0.417	0.043	167.546	TRUE	5.06E-36
COPD in never smokers	USP36	cg07385573	rs58951893	G	A	0.179	0.028	0.214	2.52E-10	0.029	0.020	0.146	0.011	39.997	TRUE	2.22E-09
COPD in never smokers	USP36	cg07385573	rs7502935	A	G	0.147	0.026	0.318	8.87E-09	0.003	0.018	0.856	0.009	33.056	TRUE	1.81E-08
COPD in never smokers	USP36	cg10256330	rs11077397	C	T	-0.365	0.023	0.488	9.63E-56	-0.018	0.016	0.288	0.063	247.255	TRUE	6.81E-52
COPD in never smokers	USP36	cg10256330	rs111356746	G	T	-0.290	0.046	0.067	3.97E-10	-0.062	0.034	0.068	0.010	39.108	TRUE	4.90E-09
COPD in never smokers	USP36	cg10256330	rs12952382	G	T	-0.182	0.024	0.384	1.05E-13	-0.050	0.017	0.003	0.015	55.250	TRUE	9.28E-12
COPD in never smokers	USP36	cg10256330	rs2003241	C	T	-0.276	0.042	0.083	4.99E-11	-0.013	0.029	0.667	0.012	43.158	TRUE	1.64E-10
COPD in never smokers	USP36	cg15465367	rs12604076	T	C	0.423	0.023	0.485	6.36E-76	-0.016	0.017	0.343	0.084	339.822	TRUE	1.78E-70
COPD in never smokers	USP36	cg15465367	rs12949048	A	G	-0.162	0.025	0.339	9.12E-11	0.006	0.018	0.753	0.011	41.979	TRUE	2.57E-10

COPD in never smokers	USP36	cg17278466	rs12604076	T	C	0.357	0.023	0.485	6.30E-54	-0.016	0.017	0.343	0.061	238.934	TRUE	2.40E-50
COPD in never smokers	USP36	cg17278466	rs12948478	G	A	-0.141	0.025	0.347	1.33E-08	0.016	0.017	0.343	0.009	32.275	TRUE	5.50E-08
COPD in never smokers	USP36	cg17910470	rs2003241	C	T	0.244	0.042	0.083	6.34E-09	-0.013	0.029	0.667	0.009	33.709	TRUE	1.67E-08
COPD in never smokers	USP36	cg17910470	rs4796817	T	C	0.325	0.038	0.216	2.03E-17	0.021	0.020	0.302	0.019	72.073	TRUE	3.07E-16
COPD in never smokers	USP36	cg17910470	rs55925734	T	C	-0.171	0.031	0.183	3.23E-08	-0.037	0.022	0.086	0.008	30.545	TRUE	2.54E-07
COPD in never smokers	USP36	cg19024575	rs9900681	A	C	-0.146	0.023	0.462	4.69E-10	-0.028	0.017	0.098	0.010	38.780	TRUE	4.85E-09
COPD in never smokers	USP36	cg20126656	rs111356746	G	T	-0.333	0.046	0.067	6.70E-13	-0.062	0.034	0.068	0.014	51.603	TRUE	1.36E-11
COPD in never smokers	USP36	cg20126656	rs3088040	T	C	-0.410	0.023	0.461	1.22E-69	-0.029	0.017	0.076	0.078	310.999	TRUE	9.72E-64
COPD in never smokers	USP36	cg20126656	rs7502935	A	G	0.174	0.026	0.318	1.21E-11	0.003	0.018	0.856	0.012	45.924	TRUE	3.21E-11
COPD in never smokers	USP36	cg20126656	rs931226	T	C	-0.334	0.054	0.050	8.98E-10	-0.007	0.037	0.854	0.010	37.515	TRUE	2.01E-09
COPD in never smokers	USP36	cg21840211	rs2376827	C	T	-0.177	0.032	0.160	2.39E-08	0.011	0.022	0.613	0.008	31.130	TRUE	6.36E-08
COPD in never smokers	USP36	cg23797032	rs3744801	G	A	-0.145	0.023	0.437	6.77E-10	-0.026	0.017	0.124	0.010	38.064	TRUE	6.04E-09
COPD in never smokers	USP36	cg23834688	rs11077399	A	G	0.163	0.026	0.297	1.60E-10	0.050	0.018	0.006	0.011	40.881	TRUE	5.35E-09
COPD in never smokers	USP36	cg23834688	rs111356746	G	T	0.285	0.046	0.067	7.22E-10	-0.062	0.034	0.068	0.010	37.940	TRUE	8.50E-09
COPD in never smokers	USP36	cg23834688	rs11650046	C	A	0.522	0.023	0.487	6.12E-117	-0.015	0.017	0.370	0.125	528.174	TRUE	2.88E-107
COPD in never smokers	USP36	cg23834688	rs12453433	A	G	-0.181	0.025	0.340	2.99E-13	0.002	0.017	0.898	0.014	53.187	TRUE	8.60E-13
COPD in never smokers	USP36	cg23834688	rs12952382	G	T	0.183	0.024	0.384	6.26E-14	-0.050	0.017	0.003	0.015	56.256	TRUE	5.86E-12
COPD in never smokers	USP36	cg23834688	rs35768823	A	G	0.353	0.062	0.043	1.11E-08	0.070	0.039	0.072	0.009	32.624	TRUE	1.02E-07
COPD in never smokers	USP36	cg24759654	rs2279308	A	G	-0.209	0.024	0.435	1.20E-18	-0.026	0.017	0.114	0.021	77.652	TRUE	4.72E-17
COPD in never smokers	USP36	cg27578381	rs11077400	G	A	0.212	0.028	0.231	2.77E-14	0.060	0.020	0.003	0.015	57.857	TRUE	3.03E-12
COPD in never smokers	USP36	cg27578381	rs12949048	A	G	-0.196	0.025	0.339	4.65E-15	0.006	0.018	0.753	0.016	61.372	TRUE	2.02E-14
COPD in never smokers	USP36	cg27578381	rs62075631	T	C	0.717	0.029	0.184	3.25E-133	0.019	0.021	0.359	0.140	602.950	TRUE	1.64E-121
COPD in never smokers	WIPI2	cg00393985	rs10081294	G	A	0.271	0.024	0.402	9.14E-30	-0.023	0.017	0.181	0.034	128.337	TRUE	1.41E-27
COPD in never smokers	WIPI2	cg00393985	rs11761408	C	A	0.876	0.026	0.226	2.10E-249	-0.023	0.019	0.224	0.235	1137.095	TRUE	2.67E-218
COPD in never smokers	WIPI2	cg00393985	rs118073321	T	G	0.514	0.071	0.028	4.08E-13	-0.039	0.048	0.411	0.014	52.578	TRUE	2.66E-12
COPD in never smokers	WIPI2	cg00393985	rs144966332	A	G	0.798	0.058	0.035	1.54E-42	-0.005	0.045	0.920	0.048	186.754	TRUE	1.27E-40
COPD in never smokers	WIPI2	cg00393985	rs147041046	A	C	0.460	0.071	0.030	7.30E-11	0.036	0.047	0.448	0.011	42.414	TRUE	3.35E-10
COPD in never smokers	WIPI2	cg00393985	rs28619195	T	C	-0.499	0.069	0.033	3.77E-13	0.073	0.046	0.109	0.014	52.729	TRUE	6.21E-12
COPD in never smokers	WIPI2	cg00393985	rs4236384	C	T	0.358	0.032	0.168	1.04E-28	-0.008	0.022	0.724	0.032	123.522	TRUE	2.28E-27
COPD in never smokers	WIPI2	cg00393985	rs4257935	C	A	-0.159	0.024	0.355	7.55E-11	-0.019	0.017	0.264	0.011	42.349	TRUE	5.06E-10
COPD in never smokers	WIPI2	cg00393985	rs4339542	G	A	-0.261	0.047	0.061	2.78E-08	-0.015	0.031	0.630	0.008	30.842	TRUE	7.16E-08
COPD in never smokers	WIPI2	cg00393985	rs58708878	T	C	0.154	0.025	0.321	5.34E-10	0.007	0.018	0.701	0.010	38.527	TRUE	1.50E-09
COPD in never smokers	WIPI2	cg00393985	rs62441954	T	C	-0.569	0.029	0.218	3.60E-88	-0.002	0.020	0.937	0.097	396.040	TRUE	9.25E-83
COPD in never smokers	WIPI2	cg00393985	rs6463369	G	A	0.198	0.024	0.376	3.47E-16	-0.009	0.017	0.589	0.018	66.479	TRUE	2.30E-15
COPD in never smokers	WIPI2	cg00393985	rs6949942	T	C	0.667	0.033	0.139	2.50E-93	0.051	0.024	0.030	0.102	419.723	TRUE	1.90E-84
COPD in never smokers	WIPI2	cg00393985	rs6958550	T	G	-0.134	0.024	0.467	1.22E-08	0.011	0.017	0.504	0.009	32.441	TRUE	3.90E-08
COPD in never smokers	WIPI2	cg00393985	rs6976902	T	G	0.500	0.058	0.046	5.04E-18	0.007	0.042	0.860	0.020	74.823	TRUE	2.46E-17
COPD in never smokers	WIPI2	cg00393985	rs73042232	G	T	0.211	0.026	0.300	2.52E-16	0.005	0.018	0.794	0.018	67.107	TRUE	1.16E-15
COPD in never smokers	WIPI2	cg00393985	rs73048017	C	T	-0.439	0.029	0.195	9.97E-52	-0.034	0.020	0.089	0.058	228.852	TRUE	1.60E-47
COPD in never smokers	WIPI2	cg00579868	rs10081294	G	A	0.264	0.024	0.402	2.38E-28	-0.023	0.017	0.181	0.032	121.872	TRUE	2.93E-26
COPD in never smokers	WIPI2	cg00579868	rs11761408	C	A	0.808	0.026	0.226	1.01E-206	-0.023	0.019	0.224	0.203	940.841	TRUE	2.01E-183
COPD in never smokers	WIPI2	cg00579868	rs13221361	T	C	0.360	0.034	0.128	6.05E-26	0.057	0.023	0.013	0.029	110.897	TRUE	3.46E-23

COPD in never smokers	WIPI2	cg00579868	rs144966332	A	G	0.850	0.058	0.035	3.45E-48	-0.005	0.045	0.920	0.054	212.638	TRUE	6.43E-46
COPD in never smokers	WIPI2	cg00579868	rs34185494	T	C	-0.400	0.024	0.421	1.76E-64	-0.024	0.017	0.146	0.072	287.323	TRUE	1.93E-59
COPD in never smokers	WIPI2	cg00579868	rs4236384	C	T	0.272	0.032	0.168	3.33E-17	-0.008	0.022	0.724	0.019	71.100	TRUE	1.91E-16
COPD in never smokers	WIPI2	cg00579868	rs4339542	G	A	-0.256	0.047	0.061	4.72E-08	-0.015	0.031	0.630	0.008	29.814	TRUE	1.19E-07
COPD in never smokers	WIPI2	cg00579868	rs62441943	C	A	-0.422	0.052	0.106	4.05E-16	0.007	0.027	0.791	0.018	66.174	TRUE	1.84E-15
COPD in never smokers	WIPI2	cg00579868	rs6463369	G	A	0.171	0.024	0.376	1.57E-12	-0.009	0.017	0.589	0.013	49.938	TRUE	6.84E-12
COPD in never smokers	WIPI2	cg00579868	rs6976902	T	G	0.333	0.058	0.046	9.22E-09	0.007	0.042	0.860	0.009	32.982	TRUE	1.87E-08
COPD in never smokers	WIPI2	cg00579868	rs73048069	A	G	-0.233	0.027	0.259	8.02E-18	-0.009	0.019	0.625	0.020	73.908	TRUE	5.96E-17
COPD in never smokers	WIPI2	cg00703902	rs62441068	T	C	0.324	0.026	0.289	6.32E-35	-0.009	0.018	0.634	0.039	151.921	TRUE	4.00E-33
COPD in never smokers	WIPI2	cg01683969	rs10951837	A	C	-0.290	0.024	0.363	1.79E-33	0.021	0.017	0.226	0.038	145.280	TRUE	3.91E-31
COPD in never smokers	WIPI2	cg01683969	rs61978641	T	C	0.315	0.042	0.256	1.18E-13	0.002	0.019	0.924	0.015	55.014	TRUE	3.38E-13
COPD in never smokers	WIPI2	cg02665297	rs11761408	C	A	0.287	0.028	0.226	6.40E-25	-0.023	0.019	0.224	0.028	106.223	TRUE	3.78E-23
COPD in never smokers	WIPI2	cg02665297	rs13227919	A	G	0.229	0.033	0.145	2.10E-12	0.045	0.023	0.049	0.013	49.363	TRUE	4.63E-11
COPD in never smokers	WIPI2	cg02665297	rs4720538	G	T	-0.161	0.029	0.200	4.12E-08	-0.033	0.020	0.098	0.008	30.074	TRUE	3.00E-07
COPD in never smokers	WIPI2	cg02665297	rs62441954	T	C	-0.224	0.029	0.218	1.65E-14	-0.002	0.020	0.937	0.016	58.882	TRUE	5.00E-14
COPD in never smokers	WIPI2	cg02667577	rs11761408	C	A	0.365	0.028	0.226	1.92E-39	-0.023	0.019	0.224	0.045	172.588	TRUE	1.12E-36
COPD in never smokers	WIPI2	cg02667577	rs28740888	C	A	-0.229	0.040	0.168	1.56E-08	0.048	0.024	0.043	0.009	31.954	TRUE	1.73E-07
COPD in never smokers	WIPI2	cg02667577	rs62441954	T	C	-0.246	0.029	0.218	4.17E-17	-0.002	0.020	0.937	0.019	70.657	TRUE	1.62E-16
COPD in never smokers	WIPI2	cg02876211	rs3807586	T	G	0.261	0.027	0.266	3.53E-22	-0.009	0.019	0.635	0.025	93.726	TRUE	4.29E-21
COPD in never smokers	WIPI2	cg04153882	rs11761408	C	A	0.477	0.028	0.226	2.01E-67	-0.023	0.019	0.224	0.075	300.824	TRUE	2.09E-62
COPD in never smokers	WIPI2	cg04153882	rs13227919	A	G	0.267	0.033	0.145	2.67E-16	0.045	0.023	0.049	0.018	66.998	TRUE	1.20E-14
COPD in never smokers	WIPI2	cg04153882	rs144966332	A	G	0.452	0.059	0.035	1.67E-14	-0.005	0.045	0.920	0.016	58.853	TRUE	5.22E-14
COPD in never smokers	WIPI2	cg04153882	rs62441954	T	C	-0.360	0.029	0.218	2.92E-35	-0.002	0.020	0.937	0.040	153.457	TRUE	8.63E-34
COPD in never smokers	WIPI2	cg06640364	rs112858081	G	A	0.386	0.036	0.112	1.57E-26	-0.047	0.026	0.068	0.030	113.571	TRUE	3.35E-24
COPD in never smokers	WIPI2	cg06640364	rs3801045	T	C	-0.302	0.051	0.056	2.53E-09	-0.003	0.034	0.921	0.010	35.494	TRUE	4.99E-09
COPD in never smokers	WIPI2	cg07762099	rs116958730	A	G	-0.313	0.054	0.047	5.12E-09	0.008	0.038	0.836	0.009	34.126	TRUE	1.09E-08
COPD in never smokers	WIPI2	cg09203501	rs10081294	G	A	0.266	0.024	0.402	1.16E-28	-0.023	0.017	0.181	0.032	123.305	TRUE	1.50E-26
COPD in never smokers	WIPI2	cg09203501	rs11761408	C	A	0.821	0.026	0.226	2.01E-214	-0.023	0.019	0.224	0.209	976.249	TRUE	8.68E-190
COPD in never smokers	WIPI2	cg09203501	rs13231182	T	C	0.421	0.033	0.133	1.12E-36	0.055	0.023	0.017	0.041	159.930	TRUE	4.42E-33
COPD in never smokers	WIPI2	cg09203501	rs141926273	A	C	-0.396	0.072	0.033	3.91E-08	0.073	0.046	0.109	0.008	30.178	TRUE	2.73E-07
COPD in never smokers	WIPI2	cg09203501	rs144966332	A	G	0.817	0.058	0.035	1.29E-44	-0.005	0.045	0.920	0.050	196.274	TRUE	1.42E-42
COPD in never smokers	WIPI2	cg09203501	rs34185494	T	C	-0.444	0.023	0.421	7.97E-80	-0.024	0.017	0.146	0.088	357.731	TRUE	2.42E-73
COPD in never smokers	WIPI2	cg09203501	rs4236384	C	T	0.302	0.032	0.168	8.20E-21	-0.008	0.022	0.724	0.023	87.508	TRUE	7.02E-20
COPD in never smokers	WIPI2	cg09203501	rs62441943	C	A	-0.366	0.052	0.106	1.64E-12	0.007	0.027	0.791	0.013	49.849	TRUE	5.17E-12
COPD in never smokers	WIPI2	cg09203501	rs6463369	G	A	0.217	0.024	0.376	3.11E-19	-0.009	0.017	0.589	0.021	80.322	TRUE	2.94E-18
COPD in never smokers	WIPI2	cg09203501	rs6958550	T	G	-0.135	0.024	0.467	1.14E-08	0.011	0.017	0.504	0.009	32.574	TRUE	3.65E-08
COPD in never smokers	WIPI2	cg09203501	rs6969542	G	A	0.141	0.024	0.396	2.95E-09	0.023	0.017	0.189	0.009	35.196	TRUE	1.90E-08
COPD in never smokers	WIPI2	cg09203501	rs6976902	T	G	0.438	0.058	0.046	3.56E-14	0.007	0.042	0.860	0.015	57.366	TRUE	1.19E-13
COPD in never smokers	WIPI2	cg09203501	rs73048069	A	G	-0.257	0.027	0.259	2.21E-21	-0.009	0.019	0.625	0.024	90.099	TRUE	2.49E-20
COPD in never smokers	WIPI2	cg09305948	rs6463310	C	A	-0.368	0.052	0.053	9.19E-13	-0.014	0.036	0.705	0.014	50.982	TRUE	3.41E-12
COPD in never smokers	WIPI2	cg09523782	rs10081294	G	A	0.206	0.024	0.402	1.08E-17	-0.023	0.017	0.181	0.019	73.324	TRUE	2.59E-16
COPD in never smokers	WIPI2	cg09523782	rs11761408	C	A	0.625	0.027	0.226	1.19E-117	-0.023	0.019	0.224	0.126	531.435	TRUE	2.21E-107

COPD in never smokers	WIPI2	cg09523782	rs144966332	A	G	0.608	0.059	0.035	3.74E-25	-0.005	0.045	0.920	0.028	107.289	TRUE	3.45E-24
COPD in never smokers	WIPI2	cg09523782	rs4236384	C	T	0.244	0.032	0.168	3.94E-14	-0.008	0.022	0.724	0.015	57.170	TRUE	1.63E-13
COPD in never smokers	WIPI2	cg09523782	rs4257935	C	A	-0.134	0.024	0.355	4.00E-08	-0.019	0.017	0.264	0.008	30.132	TRUE	1.81E-07
COPD in never smokers	WIPI2	cg09523782	rs4720538	G	T	-0.271	0.029	0.200	2.32E-20	-0.033	0.020	0.098	0.023	85.455	TRUE	1.33E-18
COPD in never smokers	WIPI2	cg09523782	rs62441954	T	C	-0.452	0.029	0.218	3.72E-55	-0.002	0.020	0.937	0.062	244.566	TRUE	1.94E-52
COPD in never smokers	WIPI2	cg09523782	rs6463369	G	A	0.159	0.024	0.376	5.18E-11	-0.009	0.017	0.589	0.012	43.084	TRUE	1.91E-10
COPD in never smokers	WIPI2	cg09523782	rs6949942	T	C	0.383	0.033	0.139	1.02E-30	0.051	0.024	0.030	0.035	132.689	TRUE	8.51E-28
COPD in never smokers	WIPI2	cg09523782	rs6976902	T	G	0.389	0.058	0.046	1.83E-11	0.007	0.042	0.860	0.012	45.121	TRUE	4.73E-11
COPD in never smokers	WIPI2	cg15277378	rs11761408	C	A	0.200	0.028	0.226	6.70E-13	-0.023	0.019	0.224	0.014	51.603	TRUE	6.77E-12
COPD in never smokers	WIPI2	cg15277378	rs62441954	T	C	-0.348	0.029	0.218	3.79E-33	-0.002	0.020	0.937	0.037	143.793	TRUE	8.60E-32
COPD in never smokers	WIPI2	cg17652756	rs76950470	A	G	0.404	0.035	0.120	8.53E-31	-0.026	0.025	0.297	0.035	133.043	TRUE	8.94E-29
COPD in never smokers	WIPI2	cg20032693	rs10239329	T	C	0.150	0.024	0.432	2.91E-10	0.025	0.017	0.136	0.011	39.711	TRUE	2.64E-09
COPD in never smokers	WIPI2	cg20032693	rs11971512	G	A	0.144	0.024	0.415	1.59E-09	-0.006	0.017	0.705	0.010	36.396	TRUE	4.23E-09
COPD in never smokers	WIPI2	cg20032693	rs141926273	A	C	0.533	0.072	0.033	1.31E-13	0.073	0.046	0.109	0.015	54.811	TRUE	2.33E-12
COPD in never smokers	WIPI2	cg20032693	rs4339542	G	A	-0.598	0.046	0.061	7.08E-38	-0.015	0.031	0.630	0.043	165.420	TRUE	6.86E-36
COPD in never smokers	WIPI2	cg20032693	rs62441078	T	C	-0.409	0.034	0.134	1.88E-32	0.016	0.024	0.497	0.037	140.611	TRUE	1.26E-30
COPD in never smokers	WIPI2	cg20032693	rs62441140	T	C	-0.289	0.037	0.132	2.77E-15	0.009	0.023	0.694	0.017	62.388	TRUE	1.37E-14
COPD in never smokers	WIPI2	cg20032693	rs7904	T	C	-0.192	0.025	0.373	5.96E-15	-0.018	0.017	0.283	0.016	60.884	TRUE	6.76E-14
COPD in never smokers	WIPI2	cg20071624	rs1134489	A	G	0.650	0.034	0.122	1.27E-83	-0.015	0.025	0.532	0.092	375.159	TRUE	6.94E-78
COPD in never smokers	WIPI2	cg20071624	rs62441082	T	C	0.178	0.028	0.217	4.30E-10	-0.003	0.020	0.881	0.010	38.952	TRUE	9.53E-10
COPD in never smokers	WIPI2	cg20071624	rs6955551	G	A	-0.189	0.023	0.479	5.95E-16	0.022	0.017	0.183	0.017	65.418	TRUE	1.09E-14
COPD in never smokers	WIPI2	cg20071624	rs73316699	A	G	0.287	0.032	0.149	1.00E-18	0.001	0.023	0.957	0.021	78.016	TRUE	4.38E-18
COPD in never smokers	WIPI2	cg20099458	rs11761408	C	A	0.499	0.027	0.226	1.01E-73	-0.023	0.019	0.224	0.082	329.722	TRUE	3.92E-68
COPD in never smokers	WIPI2	cg20099458	rs118073321	T	G	0.410	0.071	0.028	7.33E-09	-0.039	0.048	0.411	0.009	33.427	TRUE	2.79E-08
COPD in never smokers	WIPI2	cg20099458	rs144966332	A	G	0.446	0.059	0.035	3.58E-14	-0.005	0.045	0.920	0.015	57.354	TRUE	1.08E-13
COPD in never smokers	WIPI2	cg20099458	rs4236384	C	T	0.199	0.032	0.168	7.49E-10	-0.008	0.022	0.724	0.010	37.868	TRUE	2.00E-09
COPD in never smokers	WIPI2	cg20099458	rs4720538	G	T	-0.239	0.029	0.200	3.34E-16	-0.033	0.020	0.098	0.018	66.556	TRUE	9.70E-15
COPD in never smokers	WIPI2	cg20099458	rs4724331	T	C	0.167	0.026	0.292	1.64E-10	-0.018	0.018	0.315	0.011	40.832	TRUE	9.33E-10
COPD in never smokers	WIPI2	cg20099458	rs62441954	T	C	-0.409	0.029	0.218	3.70E-45	-0.002	0.020	0.937	0.051	198.755	TRUE	4.20E-43
COPD in never smokers	WIPI2	cg20099458	rs6949942	T	C	0.375	0.033	0.139	1.44E-29	0.051	0.024	0.030	0.033	127.434	TRUE	9.72E-27
COPD in never smokers	WIPI2	cg20099458	rs6976902	T	G	0.350	0.058	0.046	1.53E-09	0.007	0.042	0.860	0.010	36.480	TRUE	3.31E-09
COPD in never smokers	WIPI2	cg20367388	rs116124277	A	G	0.468	0.035	0.120	4.88E-41	-0.025	0.025	0.320	0.046	179.888	TRUE	2.30E-38
COPD in never smokers	WIPI2	cg20367388	rs6972587	A	C	-0.145	0.025	0.346	7.36E-09	-0.011	0.017	0.524	0.009	33.420	TRUE	2.35E-08
COPD in never smokers	WIPI2	cg20367388	rs75028200	C	T	0.368	0.052	0.052	9.61E-13	0.012	0.036	0.748	0.014	50.894	TRUE	3.32E-12
COPD in never smokers	WIPI2	cg21585409	rs11761408	C	A	0.369	0.028	0.226	2.12E-40	-0.023	0.019	0.224	0.046	176.973	TRUE	1.45E-37
COPD in never smokers	WIPI2	cg21585409	rs144966332	A	G	0.412	0.059	0.035	2.52E-12	-0.005	0.045	0.920	0.013	49.008	TRUE	6.44E-12
COPD in never smokers	WIPI2	cg21585409	rs200467802	T	G	0.142	0.024	0.374	6.18E-09	-0.009	0.017	0.588	0.009	33.758	TRUE	1.81E-08
COPD in never smokers	WIPI2	cg21585409	rs28740888	C	A	-0.232	0.040	0.168	8.74E-09	0.048	0.024	0.043	0.009	33.085	TRUE	1.02E-07
COPD in never smokers	WIPI2	cg21585409	rs62441954	T	C	-0.250	0.029	0.218	1.12E-17	-0.002	0.020	0.937	0.019	73.252	TRUE	4.58E-17
COPD in never smokers	WIPI2	cg21764632	rs11761408	C	A	0.252	0.028	0.226	1.63E-19	-0.023	0.019	0.224	0.022	81.601	TRUE	4.32E-18
COPD in never smokers	WIPI2	cg22663933	rs1134489	A	G	0.574	0.034	0.122	9.38E-63	-0.015	0.025	0.532	0.070	279.406	TRUE	7.68E-59
COPD in never smokers	WIPI2	cg22663933	rs116958730	A	G	0.395	0.054	0.047	1.93E-13	0.008	0.038	0.836	0.014	54.049	TRUE	6.21E-13

COPD in never smokers	WIPI2	cg22663933	rs34185494	T	C	-0.203	0.024	0.421	1.78E-17	-0.024	0.017	0.146	0.019	72.336	TRUE	4.86E-16
COPD in never smokers	WIPI2	cg22663933	rs4427074	G	A	-0.698	0.050	0.057	1.89E-43	-0.013	0.036	0.721	0.049	190.929	TRUE	3.16E-41
COPD in never smokers	WIPI2	cg22663933	rs4720508	G	A	-0.182	0.024	0.369	7.11E-14	0.002	0.017	0.885	0.015	56.007	TRUE	2.21E-13
COPD in never smokers	WIPI2	cg22663933	rs6463307	G	T	-0.142	0.025	0.367	8.05E-09	-0.004	0.017	0.820	0.009	33.246	TRUE	1.72E-08
COPD in never smokers	WIPI2	cg23122899	rs79845625	T	C	-0.155	0.025	0.353	9.01E-10	-0.011	0.017	0.518	0.010	37.508	TRUE	3.22E-09
COPD in never smokers	WIPI2	cg23562222	rs13227919	A	G	0.458	0.032	0.145	2.04E-45	0.045	0.023	0.049	0.051	199.935	TRUE	1.83E-41
COPD in never smokers	WIPI2	cg23562222	rs79845625	T	C	-0.182	0.025	0.353	9.07E-13	-0.011	0.017	0.518	0.014	51.008	TRUE	4.61E-12
COPD in never smokers	WIPI2	cg24555360	rs3807586	T	G	0.278	0.027	0.266	4.99E-25	-0.009	0.019	0.635	0.028	106.717	TRUE	8.57E-24
COPD in never smokers	WIPI2	cg26660312	rs10081294	G	A	0.287	0.024	0.402	3.20E-33	-0.023	0.017	0.181	0.038	144.128	TRUE	8.59E-31
COPD in never smokers	WIPI2	cg26660312	rs11761408	C	A	0.940	0.024	0.226	<1E-200	-0.023	0.019	0.224	0.289	1505.255	TRUE	3.02E-281
COPD in never smokers	WIPI2	cg26660312	rs144966332	A	G	0.968	0.058	0.035	1.29E-62	-0.005	0.045	0.920	0.070	278.774	TRUE	2.48E-59
COPD in never smokers	WIPI2	cg26660312	rs34185494	T	C	-0.498	0.023	0.421	1.83E-101	-0.024	0.017	0.146	0.110	457.082	TRUE	1.05E-92
COPD in never smokers	WIPI2	cg26660312	rs4236384	C	T	0.343	0.032	0.168	1.68E-26	-0.008	0.022	0.724	0.030	113.434	TRUE	2.81E-25
COPD in never smokers	WIPI2	cg26660312	rs4339542	G	A	-0.278	0.047	0.061	2.97E-09	-0.015	0.031	0.630	0.009	35.187	TRUE	8.49E-09
COPD in never smokers	WIPI2	cg26660312	rs58708878	T	C	0.175	0.025	0.321	1.45E-12	0.007	0.018	0.701	0.013	50.093	TRUE	5.28E-12
COPD in never smokers	WIPI2	cg26660312	rs62441943	C	A	-0.448	0.052	0.106	4.58E-18	0.007	0.027	0.791	0.020	75.013	TRUE	2.55E-17
COPD in never smokers	WIPI2	cg26660312	rs6463369	G	A	0.202	0.024	0.376	6.71E-17	-0.009	0.017	0.589	0.018	69.718	TRUE	4.82E-16
COPD in never smokers	WIPI2	cg26660312	rs6958550	T	G	-0.135	0.024	0.467	9.42E-09	0.011	0.017	0.504	0.009	32.940	TRUE	3.05E-08
COPD in never smokers	WIPI2	cg26660312	rs6976902	T	G	0.437	0.058	0.046	4.13E-14	0.007	0.042	0.860	0.015	57.076	TRUE	1.37E-13
COPD in never smokers	WIPI2	cg26660312	rs73048069	A	G	-0.299	0.027	0.259	1.54E-28	-0.009	0.019	0.625	0.032	122.735	TRUE	4.24E-27
COPD in never smokers	WIPI2	cg27021327	rs116958730	A	G	0.337	0.054	0.047	4.00E-10	0.008	0.038	0.836	0.010	39.091	TRUE	9.44E-10
COPD in never smokers	WIPI2	cg27021327	rs4595030	C	A	0.207	0.034	0.140	1.85E-09	-0.005	0.023	0.835	0.010	36.105	TRUE	4.12E-09
COPD in never smokers	WIPI2	cg27021327	rs4724461	C	A	0.480	0.029	0.205	2.33E-63	-0.005	0.020	0.814	0.071	282.182	TRUE	7.37E-60
COPD in never smokers	WIPI2	cg27021327	rs6951007	A	C	0.257	0.032	0.154	1.07E-15	0.051	0.022	0.020	0.017	64.256	TRUE	6.75E-14
COPD in never smokers	WIPI2	cg27021327	rs6956071	A	G	-0.279	0.024	0.406	3.25E-31	-0.006	0.017	0.700	0.035	134.959	TRUE	1.05E-29
COPD in never smokers	WIPI2	cg27021327	rs79845625	T	C	-0.157	0.025	0.353	7.27E-10	-0.011	0.017	0.518	0.010	37.928	TRUE	2.63E-09
COPD in never smokers	WIPI2	cg27152128	rs11761408	C	A	0.225	0.027	0.226	2.75E-16	-0.023	0.019	0.224	0.018	66.937	TRUE	4.56E-15
COPD in never smokers	WIPI2	cg27298603	rs4478482	G	T	-0.376	0.049	0.058	2.79E-14	-0.014	0.036	0.689	0.015	57.845	TRUE	1.25E-13

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim

Table S21. SMR analysis of associations between PCD-related gene expressions and COPD*

Outcome	Gene	topSNP	Beta	SE	OR (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
Overall COPD	MAPK3	rs55732507	-0.079	0.015	0.924 (0.898, 0.951)	9.80E-08	4.53E-05	0.395	20
Overall COPD	GSDMB	rs12950743	0.038	0.008	1.039 (1.023, 1.055)	1.91E-06	5.88E-04	0.103	20
Overall COPD	IRF1	rs11741255	-0.470	0.104	0.625 (0.510, 0.766)	5.80E-06	9.77E-04	0.156	20
Overall COPD	ITPRIP	rs34970111	-0.164	0.038	0.848 (0.787, 0.914)	1.69E-05	0.002	0.348	20
Overall COPD	NR4A2	rs56051278	-0.374	0.090	0.688 (0.576, 0.821)	3.32E-05	0.004	0.068	20
Overall COPD	MAP1LC3B	rs62053114	-0.073	0.019	0.929 (0.896, 0.964)	9.49E-05	0.009	0.208	20
Overall COPD	KAT8	rs1060506	0.122	0.032	1.129 (1.060, 1.203)	1.53E-04	0.013	0.075	20
Overall COPD	CLN3	rs151228	-0.130	0.036	0.878 (0.819, 0.942)	3.02E-04	0.023	0.026	20
Overall COPD	SLC39A10	rs2165059	-0.061	0.018	0.941 (0.908, 0.975)	8.53E-04	0.050	0.071	20
Overall COPD	WDR24	rs11248944	-0.090	0.028	0.914 (0.865, 0.966)	0.002	0.074	0.915	20
Overall COPD	BCL2L11	rs113135335	0.200	0.065	1.221 (1.075, 1.386)	0.002	0.097	0.193	20
Overall COPD	CD2AP	rs72868252	-0.155	0.053	0.856 (0.772, 0.950)	0.003	0.135	0.480	20
Overall COPD	ATP6V0D1	rs3893749	0.047	0.016	1.048 (1.015, 1.082)	0.004	0.144	0.423	20
Overall COPD	WAC	rs12783032	0.084	0.029	1.087 (1.027, 1.152)	0.004	0.149	0.881	20
Overall COPD	PIK3C2A	rs511119	0.044	0.015	1.045 (1.014, 1.077)	0.004	0.149	0.817	20
Overall COPD	CD5	rs4939489	0.104	0.037	1.110 (1.033, 1.193)	0.004	0.149	0.246	20
Overall COPD	TNFRSF10C	rs4872053	-0.077	0.028	0.926 (0.877, 0.978)	0.006	0.155	0.841	20
Overall COPD	SAT2	rs858520	-0.070	0.025	0.932 (0.887, 0.979)	0.005	0.155	0.085	20
Overall COPD	ATP6V0A2	rs7306549	-0.179	0.066	0.836 (0.735, 0.951)	0.006	0.155	0.197	20
Overall COPD	TNFRSF10B	rs4872053	0.050	0.018	1.051 (1.015, 1.089)	0.006	0.155	0.555	20
Overall COPD	SOD1	rs16988435	-0.242	0.088	0.785 (0.661, 0.933)	0.006	0.155	0.537	14
Overall COPD	SLC30A1	rs11806637	0.334	0.120	1.396 (1.103, 1.767)	0.006	0.155	0.301	20
Overall COPD	TNF	rs1121800	-0.065	0.024	0.937 (0.894, 0.982)	0.007	0.156	0.232	20
Overall COPD	SLC30A6	rs6733481	-0.269	0.100	0.764 (0.629, 0.928)	0.007	0.158	0.523	20
Overall COPD	DDX5	rs1991401	0.035	0.013	1.036 (1.009, 1.063)	0.007	0.164	0.092	20
Overall COPD	HRAS	rs1870726	0.069	0.026	1.072 (1.019, 1.127)	0.008	0.164	0.396	20
Overall COPD	NAPSA	rs28514894	-0.084	0.032	0.919 (0.863, 0.979)	0.009	0.164	0.301	20
Overall COPD	TRAF5	rs7550702	0.110	0.042	1.117 (1.028, 1.213)	0.009	0.164	0.140	20
Overall COPD	NDUFA13	rs11085264	-0.127	0.049	0.881 (0.801, 0.969)	0.009	0.164	0.237	20
Overall COPD	CD3E	rs7479373	-0.124	0.047	0.883 (0.805, 0.968)	0.008	0.164	0.406	20
Overall COPD	ATP13A2	rs4920605	0.112	0.042	1.119 (1.030, 1.216)	0.008	0.164	0.516	20
Overall COPD	EIF2AK3	rs867529	-0.219	0.085	0.803 (0.680, 0.948)	0.010	0.169	0.273	20
Overall COPD	MTF1	rs3748804	-0.179	0.070	0.836 (0.729, 0.959)	0.010	0.178	0.069	20
Overall COPD	OSBPL7	rs1018903	0.155	0.062	1.168 (1.034, 1.319)	0.013	0.208	0.518	20
Overall COPD	SERPINE1	rs2227667	-0.234	0.095	0.792 (0.658, 0.953)	0.014	0.214	0.336	20
Overall COPD	FAS	rs4064	0.043	0.018	1.044 (1.008, 1.080)	0.015	0.227	0.021	20
Overall COPD	ACSF2	rs898454	-0.099	0.041	0.906 (0.836, 0.982)	0.017	0.240	0.132	20
Overall COPD	RHOT1	rs7208838	0.054	0.023	1.056 (1.010, 1.104)	0.017	0.240	0.058	20
Overall COPD	CASP2	rs73170672	0.185	0.077	1.203 (1.034, 1.399)	0.017	0.240	0.021	10
Overall COPD	STAT5B	rs185478092	0.189	0.079	1.208 (1.035, 1.409)	0.016	0.240	0.357	20

Overall COPD	USP33	rs1963170	-0.200	0.084	0.819 (0.695, 0.966)	0.018	0.244	0.289	20
Overall COPD	FADS2	rs968567	-0.021	0.009	0.979 (0.961, 0.996)	0.018	0.250	0.402	20
Overall COPD	PAFAH1B2	rs4938355	0.047	0.020	1.048 (1.008, 1.089)	0.019	0.250	0.029	20
Overall COPD	MSH6	rs111861797	-0.042	0.018	0.959 (0.926, 0.993)	0.019	0.250	0.538	20
Overall COPD	ERCC4	rs3136038	0.353	0.152	1.423 (1.057, 1.915)	0.020	0.258	0.573	17
Overall COPD	MPO	rs12940119	0.051	0.023	1.052 (1.007, 1.100)	0.024	0.297	0.914	20
Overall COPD	UNC13D	rs3744010	-0.081	0.036	0.922 (0.859, 0.991)	0.026	0.321	0.257	20
Overall COPD	DDIT4	rs12778560	0.210	0.095	1.234 (1.024, 1.487)	0.027	0.324	0.368	20
Overall COPD	SESN1	rs1424479	-0.037	0.017	0.964 (0.933, 0.996)	0.028	0.326	0.052	20
Overall COPD	TFRC	rs28429906	-0.058	0.027	0.944 (0.896, 0.994)	0.029	0.328	0.167	20
Overall COPD	MAPK9	rs6601106	0.056	0.026	1.058 (1.006, 1.112)	0.029	0.330	0.064	20
Overall COPD	RALB	rs4849847	0.035	0.016	1.036 (1.003, 1.069)	0.030	0.330	0.653	20
Overall COPD	INHBB	rs1137385	0.064	0.030	1.066 (1.006, 1.130)	0.030	0.330	0.596	20
Overall COPD	NEDD4	rs28523546	-0.059	0.028	0.942 (0.893, 0.995)	0.033	0.340	0.996	9
Overall COPD	NFATC4	rs28365903	-0.204	0.095	0.816 (0.677, 0.983)	0.033	0.340	0.958	20
Overall COPD	GZMB	rs2236337	0.040	0.019	1.041 (1.002, 1.081)	0.037	0.368	0.054	20
Overall COPD	USP30	rs112003965	-0.094	0.045	0.910 (0.833, 0.994)	0.037	0.368	0.558	19
Overall COPD	MTMR4	rs4793954	-0.228	0.109	0.796 (0.643, 0.985)	0.036	0.368	0.114	20
Overall COPD	FHIT	rs11130745	0.049	0.024	1.050 (1.002, 1.100)	0.039	0.387	0.090	12
Overall COPD	RAC2	rs4821609	-0.059	0.029	0.943 (0.891, 0.998)	0.043	0.407	0.348	20
Overall COPD	MFF	rs7572491	-0.060	0.030	0.942 (0.888, 0.998)	0.044	0.407	0.464	20
Overall COPD	HIPK2	rs28469460	0.219	0.108	1.245 (1.007, 1.539)	0.043	0.407	0.481	20
Overall COPD	CHUK	rs185996414	-0.161	0.081	0.852 (0.727, 0.997)	0.046	0.422	0.549	17
Overall COPD	PIK3CD	rs79423094	-0.217	0.109	0.805 (0.650, 0.997)	0.047	0.425	0.836	13
Overall COPD	NLRC4	rs212718	-0.063	0.032	0.939 (0.881, 1.000)	0.050	0.431	0.280	20
COPD in ever-smokers	BAG6	rs707939	-0.413	0.124	0.662 (0.519, 0.843)	8.52E-04	0.193	0.010	20
COPD in ever-smokers	CDKN2D	rs8108051	-0.296	0.093	0.744 (0.620, 0.894)	0.002	0.193	0.038	20
COPD in ever-smokers	ATP13A2	rs4920605	0.296	0.093	1.345 (1.120, 1.614)	0.002	0.193	0.520	20
COPD in ever-smokers	STX4	rs58726213	0.138	0.042	1.148 (1.057, 1.246)	0.001	0.193	0.262	20
COPD in ever-smokers	PTEN	rs945559	-0.584	0.182	0.557 (0.390, 0.796)	0.001	0.193	0.601	18
COPD in ever-smokers	SELK	rs3816144	0.432	0.141	1.540 (1.169, 2.030)	0.002	0.233	0.337	20
COPD in ever-smokers	MAPK3	rs55732507	-0.089	0.030	0.915 (0.862, 0.970)	0.003	0.288	0.244	20
COPD in ever-smokers	RNF5	rs9273493	-0.288	0.100	0.750 (0.617, 0.911)	0.004	0.314	0.050	20
COPD in ever-smokers	CLN3	rs151228	-0.200	0.075	0.819 (0.707, 0.949)	0.008	0.336	0.339	20
COPD in ever-smokers	RHEB	rs2284264	-0.398	0.147	0.672 (0.503, 0.896)	0.007	0.336	0.448	15
COPD in ever-smokers	GHITM	rs11511521	0.221	0.085	1.247 (1.055, 1.474)	0.010	0.367	0.120	20
COPD in ever-smokers	WDFY3	rs6531777	0.402	0.158	1.495 (1.097, 2.035)	0.011	0.388	0.647	20
COPD in ever-smokers	HSP90AA1	rs1004783	-0.345	0.137	0.708 (0.542, 0.926)	0.012	0.398	0.517	5
COPD in ever-smokers	UFL1	rs9386528	-0.225	0.091	0.799 (0.669, 0.954)	0.013	0.425	0.639	17
COPD in ever-smokers	IGF2R	rs6455672	0.458	0.187	1.581 (1.096, 2.281)	0.014	0.442	0.029	9
COPD in ever-smokers	ARF1	rs964941	0.652	0.270	1.920 (1.132, 3.258)	0.016	0.449	0.897	20
COPD in ever-smokers	EPM2A	rs450973	-0.146	0.061	0.864 (0.767, 0.973)	0.016	0.456	0.594	11

COPD in ever-smokers	SUMF1	rs4685744	0.068	0.029	1.071 (1.011, 1.134)	0.020	0.498	0.170	20
COPD in ever-smokers	OSBPL7	rs1018903	0.295	0.132	1.343 (1.038, 1.738)	0.025	0.498	0.620	20
COPD in ever-smokers	CD70	rs2029745	-0.355	0.159	0.702 (0.514, 0.958)	0.026	0.498	0.743	20
COPD in ever-smokers	NEU1	rs542418	-0.386	0.171	0.680 (0.487, 0.950)	0.024	0.498	0.145	20
COPD in ever-smokers	ASAH1	rs4921833	0.063	0.028	1.065 (1.007, 1.126)	0.027	0.504	0.326	20
COPD in ever-smokers	PRKCD	rs12495976	0.206	0.094	1.229 (1.021, 1.479)	0.029	0.521	0.256	20
COPD in ever-smokers	WAC	rs6481526	0.162	0.076	1.176 (1.014, 1.364)	0.033	0.545	0.441	12
COPD in ever-smokers	P2RX4	rs2686343	-0.092	0.044	0.912 (0.837, 0.993)	0.034	0.550	0.174	5
COPD in ever-smokers	MUC1	rs6660884	-0.431	0.204	0.650 (0.436, 0.968)	0.034	0.550	0.734	9
COPD in ever-smokers	NAPSA	rs28514894	-0.148	0.071	0.863 (0.750, 0.992)	0.038	0.567	0.716	12
COPD in ever-smokers	DDIT4	rs12778560	0.447	0.216	1.564 (1.023, 2.391)	0.039	0.569	0.183	20
COPD in ever-smokers	FBXO7	rs4820079	-0.256	0.124	0.774 (0.607, 0.988)	0.040	0.571	0.719	10
COPD in ever-smokers	FAM162A	rs6438724	-0.292	0.144	0.747 (0.564, 0.990)	0.042	0.588	0.917	18
COPD in ever-smokers	MLH1	rs13066950	0.137	0.068	1.146 (1.004, 1.309)	0.044	0.599	0.311	20
COPD in never-smokers	RNF5	rs9273493	-0.623	0.128	0.536 (0.417, 0.688)	1.03E-06	8.95E-04	0.046	20
COPD in never-smokers	ERBB3	rs11171739	-0.424	0.100	0.654 (0.537, 0.797)	2.40E-05	0.007	0.059	20
COPD in never-smokers	ATP13A2	rs4920605	0.402	0.104	1.494 (1.219, 1.831)	1.09E-04	0.019	0.380	20
COPD in never-smokers	SLC9A3R1	rs880827	0.284	0.075	1.328 (1.147, 1.538)	1.49E-04	0.022	0.635	14
COPD in never-smokers	SLC39A6	rs7242481	-0.912	0.257	0.402 (0.243, 0.664)	3.78E-04	0.036	0.979	16
COPD in never-smokers	ATP6V1C2	rs1734443	-0.694	0.213	0.500 (0.329, 0.758)	0.001	0.079	0.713	20
COPD in never-smokers	DEPTOR	rs1467044	-0.251	0.082	0.778 (0.662, 0.914)	0.002	0.123	0.889	20
COPD in never-smokers	CD84	rs6668760	0.306	0.103	1.358 (1.110, 1.662)	0.003	0.140	0.031	16
COPD in never-smokers	CD68	rs1641546	-0.354	0.121	0.702 (0.554, 0.891)	0.004	0.140	0.076	20
COPD in never-smokers	CD70	rs2029745	-0.521	0.177	0.594 (0.420, 0.841)	0.003	0.140	0.546	20
COPD in never-smokers	DDX47	rs7978823	-0.989	0.334	0.372 (0.193, 0.716)	0.003	0.140	0.632	19
COPD in never-smokers	SAT2	rs858520	-0.174	0.062	0.840 (0.743, 0.949)	0.005	0.180	0.026	20
COPD in never-smokers	ORMDL3	rs12936231	0.061	0.022	1.063 (1.017, 1.111)	0.007	0.208	0.616	20
COPD in never-smokers	GSDMB	rs12936231	0.053	0.020	1.055 (1.015, 1.097)	0.007	0.208	0.628	20
COPD in never-smokers	HIP1R	rs11060180	-0.670	0.249	0.512 (0.314, 0.833)	0.007	0.208	0.833	14
COPD in never-smokers	AP1B1	rs2267135	-0.292	0.110	0.746 (0.601, 0.926)	0.008	0.209	0.499	20
COPD in never-smokers	KAT8	rs1549299	0.196	0.075	1.217 (1.050, 1.410)	0.009	0.229	0.402	20
COPD in never-smokers	IFNAR1	rs8178528	0.191	0.074	1.210 (1.047, 1.398)	0.010	0.240	0.478	12
COPD in never-smokers	RPL8	rs2954654	-0.070	0.028	0.932 (0.883, 0.984)	0.011	0.247	0.482	20
COPD in never-smokers	MTMR3	rs9625870	0.169	0.067	1.184 (1.039, 1.350)	0.011	0.247	0.067	20
COPD in never-smokers	C11orf82	rs11233361	-0.310	0.126	0.733 (0.573, 0.939)	0.014	0.247	0.998	20
COPD in never-smokers	PRKAB2	rs7517655	0.119	0.048	1.127 (1.025, 1.239)	0.014	0.247	0.457	20
COPD in never-smokers	STK3	rs10955187	0.910	0.368	2.486 (1.209, 5.108)	0.013	0.247	0.765	13
COPD in never-smokers	DDX5	rs1991401	0.074	0.031	1.077 (1.014, 1.143)	0.016	0.270	0.498	4
COPD in never-smokers	EIF2AK4	rs11070245	0.196	0.082	1.216 (1.035, 1.429)	0.017	0.283	0.235	20
COPD in never-smokers	MANBA	rs223364	0.171	0.072	1.186 (1.030, 1.365)	0.018	0.283	0.579	20
COPD in never-smokers	UBE2K	rs11723405	-0.209	0.091	0.812 (0.679, 0.970)	0.022	0.320	0.163	20
COPD in never-smokers	WASH3P	rs1513981	0.089	0.039	1.093 (1.012, 1.181)	0.023	0.320	0.575	20

COPD in never-smokers	RRAGD	rs9451208	0.137	0.061	1.147 (1.018, 1.293)	0.024	0.330	0.451	19
COPD in never-smokers	STX4	rs58726213	0.104	0.047	1.110 (1.013, 1.217)	0.026	0.330	0.049	20
COPD in never-smokers	IL10	rs885334	-0.379	0.172	0.684 (0.489, 0.958)	0.027	0.339	0.663	10
COPD in never-smokers	SESN3	rs684856	0.109	0.050	1.115 (1.012, 1.229)	0.028	0.346	0.168	9
COPD in never-smokers	PHIP	rs9361459	-0.143	0.066	0.867 (0.761, 0.987)	0.030	0.355	0.601	20
COPD in never-smokers	GM2A	rs989	0.083	0.038	1.086 (1.008, 1.171)	0.030	0.355	0.133	20
COPD in never-smokers	RPN1	rs4857918	-0.180	0.084	0.835 (0.709, 0.984)	0.031	0.357	0.142	19
COPD in never-smokers	ITGAM	rs12930249	-0.217	0.101	0.805 (0.661, 0.981)	0.032	0.357	0.057	20
COPD in never-smokers	AP3B2	rs12438334	-0.137	0.065	0.872 (0.767, 0.991)	0.036	0.387	0.021	20
COPD in never-smokers	MAPT	rs3809857	-0.716	0.341	0.489 (0.251, 0.954)	0.036	0.387	0.420	9
COPD in never-smokers	PRKCD	rs12495976	0.215	0.104	1.240 (1.011, 1.520)	0.039	0.399	0.534	20
COPD in never-smokers	AP3D1	rs12974139	0.357	0.178	1.429 (1.009, 2.024)	0.045	0.436	0.042	20
COPD in never-smokers	NEU1	rs542418	-0.371	0.186	0.690 (0.479, 0.994)	0.046	0.445	0.556	20
COPD in never-smokers	EYA2	rs1572053	0.674	0.340	1.961 (1.006, 3.822)	0.048	0.448	0.788	20

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; OR odds ratio; CI, confidence interval

Table S22. Sensitivity analysis of associations between PCD-related gene expression and COPD*

Outcome	Gene	nSNP	Method	Beta	SE	OR (95%CI)	P	Egger_intercept	P_Egger_intercept
Overall COPD	MAPK3	49	Inverse variance weighted	-0.064	0.008	0.938 (0.924, 0.952)	8.24E-17	-0.005	0.190
Overall COPD	GSDMB	91	Inverse variance weighted	0.046	0.005	1.047 (1.036, 1.058)	1.83E-18	0.002	0.393
Overall COPD	IRF1	2	Inverse variance weighted	-0.370	0.131	0.691 (0.534, 0.893)	0.005	NA	NA
Overall COPD	ITPRIP	8	Inverse variance weighted	-0.207	0.028	0.813 (0.770, 0.859)	1.34E-13	-0.006	0.521
Overall COPD	NR4A2	2	Inverse variance weighted	-0.329	0.136	0.720 (0.552, 0.939)	0.016	NA	NA
Overall COPD	MAP1LC3B	24	Inverse variance weighted	-0.039	0.013	0.962 (0.938, 0.986)	0.002	-0.003	0.482
Overall COPD	KAT8	10	Inverse variance weighted	0.129	0.028	1.138 (1.078, 1.201)	2.83E-06	0.006	0.549
Overall COPD	CLN3	17	Inverse variance weighted	-0.077	0.023	0.926 (0.885, 0.968)	7.50E-04	0.004	0.572
Overall COPD	SLC39A10	26	Inverse variance weighted	-0.038	0.014	0.962 (0.937, 0.988)	0.005	-0.013	0.063
Overall COPD	WDR24	11	Inverse variance weighted	-0.065	0.019	0.937 (0.903, 0.972)	4.80E-04	0.002	0.746
Overall COPD	BCL2L11	1	Wald ratio	0.200	0.063	1.221 (1.079, 1.381)	0.002	NA	NA
Overall COPD	CD2AP	6	Inverse variance weighted	-0.120	0.038	0.886 (0.822, 0.956)	0.002	0.005	0.720
Overall COPD	ATP6V0D1	15	Inverse variance weighted	0.048	0.012	1.050 (1.025, 1.075)	5.87E-05	-0.003	0.516
Overall COPD	WAC	16	Inverse variance weighted	0.063	0.022	1.065 (1.020, 1.112)	0.004	-0.007	0.347
Overall COPD	PIK3C2A	30	Inverse variance weighted	0.029	0.009	1.029 (1.011, 1.048)	0.001	0.002	0.682
Overall COPD	CD5	16	Inverse variance weighted	0.059	0.021	1.061 (1.017, 1.106)	0.006	-0.001	0.882
Overall COPD	TNFRSF10C	10	Inverse variance weighted	-0.055	0.020	0.946 (0.909, 0.984)	0.006	0.008	0.214
Overall COPD	SAT2	17	Inverse variance weighted	-0.044	0.016	0.957 (0.927, 0.987)	0.006	0.005	0.416
Overall COPD	ATP6V0A2	6	Inverse variance weighted	-0.129	0.044	0.879 (0.807, 0.957)	0.003	-0.003	0.717
Overall COPD	TNFRSF10B	17	Inverse variance weighted	0.030	0.011	1.030 (1.008, 1.053)	0.007	-0.001	0.815
Overall COPD	SOD1	2	Inverse variance weighted	-0.250	0.065	0.778 (0.686, 0.884)	1.13E-04	NA	NA
Overall COPD	SLC30A1	1	Wald ratio	0.334	0.111	1.396 (1.122, 1.736)	0.003	NA	NA
Overall COPD	TNF	13	Inverse variance weighted	-0.069	0.017	0.933 (0.902, 0.966)	7.26E-05	-0.002	0.724
Overall COPD	SLC30A6	1	Wald ratio	-0.269	0.094	0.764 (0.635, 0.919)	0.004	NA	NA
Overall COPD	DDX5	14	Inverse variance weighted	0.053	0.015	1.054 (1.024, 1.085)	4.30E-04	0.014	0.196
Overall COPD	HRAS	17	Inverse variance weighted	0.049	0.016	1.051 (1.019, 1.083)	0.001	-0.004	0.468
Overall COPD	NAPSA	6	Inverse variance weighted	-0.078	0.024	0.925 (0.883, 0.970)	0.001	0.010	0.495
Overall COPD	TRAF5	16	Inverse variance weighted	0.059	0.022	1.060 (1.015, 1.108)	0.009	0.004	0.514
Overall COPD	NDUFA13	3	Inverse variance weighted	-0.135	0.042	0.874 (0.804, 0.949)	0.001	-0.003	0.814
Overall COPD	CD3E	4	Inverse variance weighted	-0.110	0.037	0.896 (0.834, 0.963)	0.003	0.004	0.827
Overall COPD	ATP13A2	9	Inverse variance weighted	0.071	0.034	1.074 (1.006, 1.147)	0.033	-0.001	0.925
Overall COPD	EIF2AK3	2	Inverse variance weighted	-0.200	0.063	0.819 (0.723, 0.926)	0.002	NA	NA
Overall COPD	MTF1	2	Inverse variance weighted	-0.222	0.052	0.801 (0.724, 0.887)	1.97E-05	NA	NA
Overall COPD	OSBPL7	5	Inverse variance weighted	0.118	0.050	1.125 (1.020, 1.242)	0.019	0.018	0.200
Overall COPD	SERPINE1	4	Inverse variance weighted	-0.135	0.059	0.874 (0.779, 0.980)	0.022	0.044	0.416
Overall COPD	FAS	23	Inverse variance weighted	0.042	0.015	1.042 (1.012, 1.074)	0.006	0.006	0.163
Overall COPD	ACSF2	12	Inverse variance weighted	-0.073	0.031	0.929 (0.875, 0.987)	0.017	0.011	0.125
Overall COPD	RHOT1	25	Inverse variance weighted	0.044	0.016	1.045 (1.014, 1.078)	0.005	-0.005	0.272
Overall COPD	CASP2	4	Inverse variance weighted	0.125	0.058	1.133 (1.012, 1.269)	0.031	-0.007	0.666
Overall COPD	STAT5B	1	Wald ratio	0.189	0.076	1.208 (1.039, 1.403)	0.014	NA	NA

Overall COPD	USP33	3	Inverse variance weighted	-0.161	0.059	0.851 (0.758, 0.956)	0.006	-0.027	0.538
Overall COPD	FADS2	51	Inverse variance weighted	-0.022	0.007	0.978 (0.966, 0.991)	9.20E-04	0.003	0.189
Overall COPD	PAFAH1B2	20	Inverse variance weighted	0.055	0.012	1.056 (1.033, 1.081)	2.22E-06	-0.004	0.354
Overall COPD	MSH6	27	Inverse variance weighted	-0.030	0.009	0.971 (0.953, 0.989)	0.002	0.003	0.465
Overall COPD	ERCC4	1	Wald ratio	0.353	0.140	1.423 (1.082, 1.872)	0.012	NA	NA
Overall COPD	MPO	13	Inverse variance weighted	0.047	0.019	1.048 (1.010, 1.088)	0.013	0.000	0.952
Overall COPD	UNC13D	9	Inverse variance weighted	-0.061	0.026	0.941 (0.894, 0.990)	0.019	0.004	0.589
Overall COPD	DDIT4	2	Inverse variance weighted	0.212	0.079	1.236 (1.058, 1.443)	0.008	NA	NA
Overall COPD	SESN1	24	Inverse variance weighted	-0.041	0.014	0.960 (0.934, 0.986)	0.003	0.001	0.786
Overall COPD	TFRC	30	Inverse variance weighted	-0.028	0.013	0.973 (0.949, 0.997)	0.030	0.001	0.710
Overall COPD	MAPK9	25	Inverse variance weighted	0.043	0.015	1.044 (1.015, 1.075)	0.003	-0.002	0.684
Overall COPD	RALB	46	Inverse variance weighted	0.043	0.012	1.044 (1.019, 1.069)	5.89E-04	0.004	0.290
Overall COPD	INHBB	20	Inverse variance weighted	0.065	0.028	1.067 (1.010, 1.127)	0.021	0.008	0.361
Overall COPD	NEDD4	22	Inverse variance weighted	-0.046	0.013	0.955 (0.931, 0.979)	3.16E-04	0.004	0.327
Overall COPD	NFATC4	1	Wald ratio	-0.204	0.093	0.816 (0.680, 0.978)	0.028	NA	NA
Overall COPD	GZMB	21	Inverse variance weighted	0.027	0.012	1.028 (1.003, 1.053)	0.026	0.006	0.130
Overall COPD	USP30	7	Inverse variance weighted	-0.084	0.028	0.920 (0.870, 0.972)	0.003	-0.009	0.211
Overall COPD	MTMR4	2	Inverse variance weighted	-0.157	0.076	0.855 (0.737, 0.992)	0.039	NA	NA
Overall COPD	FHIT	25	Inverse variance weighted	0.037	0.014	1.037 (1.009, 1.066)	0.009	0.003	0.353
Overall COPD	RAC2	10	Inverse variance weighted	-0.047	0.018	0.954 (0.921, 0.989)	0.010	-0.012	0.081
Overall COPD	MFF	13	Inverse variance weighted	-0.046	0.019	0.955 (0.920, 0.992)	0.018	0.001	0.896
Overall COPD	HIPK2	4	Inverse variance weighted	0.154	0.061	1.166 (1.035, 1.314)	0.011	0.002	0.941
Overall COPD	CHUK	2	Inverse variance weighted	-0.142	0.065	0.868 (0.765, 0.985)	0.028	NA	NA
Overall COPD	PIK3CD	1	Wald ratio	-0.293	0.115	0.746 (0.595, 0.935)	0.011	NA	NA
Overall COPD	NLRC4	21	Inverse variance weighted	-0.067	0.023	0.935 (0.894, 0.978)	0.004	0.000	0.987
COPD in ever-smokers	BAG6	3	Inverse variance weighted	-0.257	0.120	0.774 (0.611, 0.980)	0.033	-0.120	0.253
COPD in ever-smokers	CDKN2D	7	Inverse variance weighted	-0.248	0.064	0.780 (0.688, 0.885)	1.17E-04	-0.011	0.647
COPD in ever-smokers	ATP13A2	9	Inverse variance weighted	0.234	0.072	1.263 (1.096, 1.456)	0.001	-0.006	0.833
COPD in ever-smokers	STX4	29	Inverse variance weighted	0.134	0.034	1.143 (1.071, 1.221)	6.67E-05	0.001	0.925
COPD in ever-smokers	PTEN	2	Inverse variance weighted	-0.504	0.230	0.604 (0.385, 0.949)	0.029	NA	NA
COPD in ever-smokers	SELK	3	Inverse variance weighted	0.334	0.108	1.397 (1.131, 1.725)	0.002	0.101	0.723
COPD in ever-smokers	MAPK3	51	Inverse variance weighted	-0.079	0.019	0.924 (0.890, 0.959)	3.89E-05	0.004	0.619
COPD in ever-smokers	RNF5	7	Inverse variance weighted	-0.177	0.061	0.837 (0.743, 0.944)	0.004	-0.035	0.192
COPD in ever-smokers	CLN3	20	Inverse variance weighted	-0.119	0.047	0.888 (0.809, 0.975)	0.012	0.004	0.738
COPD in ever-smokers	RHEB	1	Wald ratio	-0.398	0.140	0.672 (0.510, 0.884)	0.005	NA	NA
COPD in ever-smokers	GHITM	17	Inverse variance weighted	0.115	0.047	1.122 (1.022, 1.231)	0.015	0.016	0.192
COPD in ever-smokers	WDFY3	1	Wald ratio	0.402	0.154	1.495 (1.105, 2.021)	0.009	NA	NA
COPD in ever-smokers	HSP90AA1	17	Inverse variance weighted	-0.177	0.042	0.837 (0.771, 0.910)	2.81E-05	-0.001	0.951
COPD in ever-smokers	UFL1	7	Inverse variance weighted	-0.245	0.064	0.783 (0.690, 0.888)	1.38E-04	0.002	0.931
COPD in ever-smokers	IGF2R	4	Inverse variance weighted	0.274	0.125	1.316 (1.029, 1.682)	0.029	-0.028	0.617
COPD in ever-smokers	ARF1	2	Inverse variance weighted	0.596	0.186	1.815 (1.259, 2.616)	0.001	NA	NA
COPD in ever-smokers	EPM2A	14	Inverse variance weighted	-0.119	0.045	0.887 (0.813, 0.969)	0.007	0.002	0.874

COPD in ever-smokers	SUMF1	49	Inverse variance weighted	0.080	0.022	1.084 (1.038, 1.132)	2.95E-04	0.007	0.480
COPD in ever-smokers	OSBPL7	4	Inverse variance weighted	0.251	0.101	1.285 (1.054, 1.567)	0.013	0.014	0.634
COPD in ever-smokers	CD70	4	Inverse variance weighted	-0.332	0.094	0.717 (0.596, 0.863)	4.26E-04	-0.003	0.949
COPD in ever-smokers	NEU1	2	Inverse variance weighted	-0.478	0.093	0.620 (0.516, 0.745)	3.17E-07	NA	NA
COPD in ever-smokers	ASAH1	56	Inverse variance weighted	0.091	0.017	1.096 (1.060, 1.133)	8.49E-08	0.007	0.247
COPD in ever-smokers	PRKCD	8	Inverse variance weighted	0.188	0.054	1.207 (1.087, 1.341)	4.47E-04	-0.002	0.931
COPD in ever-smokers	WAC	17	Inverse variance weighted	0.075	0.037	1.078 (1.003, 1.158)	0.040	-0.004	0.766
COPD in ever-smokers	P2RX4	53	Inverse variance weighted	-0.067	0.020	0.936 (0.900, 0.973)	7.81E-04	-0.005	0.377
COPD in ever-smokers	MUC1	14	Inverse variance weighted	-0.215	0.049	0.807 (0.733, 0.888)	1.10E-05	-0.003	0.794
COPD in ever-smokers	NAPSA	6	Inverse variance weighted	-0.131	0.052	0.877 (0.793, 0.971)	0.011	0.034	0.284
COPD in ever-smokers	DDIT4	2	Inverse variance weighted	0.589	0.231	1.803 (1.146, 2.838)	0.011	NA	NA
COPD in ever-smokers	FBXO7	6	Inverse variance weighted	-0.292	0.087	0.746 (0.629, 0.885)	7.90E-04	-0.021	0.340
COPD in ever-smokers	FAM162A	4	Inverse variance weighted	-0.286	0.108	0.751 (0.608, 0.929)	0.008	0.016	0.842
COPD in ever-smokers	MLH1	13	Inverse variance weighted	0.065	0.031	1.068 (1.005, 1.134)	0.034	0.020	0.191
COPD in never-smokers	RNF5	7	Inverse variance weighted	-0.352	0.118	0.703 (0.558, 0.887)	0.003	-0.052	0.331
COPD in never-smokers	ERBB3	4	Inverse variance weighted	-0.392	0.106	0.676 (0.549, 0.832)	2.27E-04	0.102	0.259
COPD in never-smokers	ATP13A2	9	Inverse variance weighted	0.371	0.069	1.450 (1.266, 1.660)	7.73E-08	-0.032	0.178
COPD in never-smokers	SLC9A3R1	13	Inverse variance weighted	0.152	0.066	1.164 (1.023, 1.324)	0.021	0.002	0.912
COPD in never-smokers	SLC39A6	2	Inverse variance weighted	-0.928	0.197	0.395 (0.269, 0.582)	2.60E-06	NA	NA
COPD in never-smokers	ATP6V1C2	2	Inverse variance weighted	-0.766	0.165	0.465 (0.336, 0.643)	3.50E-06	NA	NA
COPD in never-smokers	DEPTOR	12	Inverse variance weighted	-0.196	0.054	0.822 (0.739, 0.913)	2.78E-04	0.021	0.379
COPD in never-smokers	CD84	10	Inverse variance weighted	0.135	0.045	1.145 (1.049, 1.250)	0.003	0.013	0.309
COPD in never-smokers	CD68	15	Inverse variance weighted	-0.242	0.059	0.785 (0.699, 0.882)	4.27E-05	0.018	0.422
COPD in never-smokers	CD70	4	Inverse variance weighted	-0.367	0.131	0.693 (0.536, 0.896)	0.005	-0.030	0.712
COPD in never-smokers	DDX47	2	Inverse variance weighted	-0.616	0.201	0.540 (0.364, 0.801)	0.002	NA	NA
COPD in never-smokers	SAT2	20	Inverse variance weighted	-0.168	0.038	0.845 (0.785, 0.910)	8.87E-06	-0.007	0.626
COPD in never-smokers	ORMDL3	76	Inverse variance weighted	0.061	0.014	1.063 (1.034, 1.093)	1.40E-05	-0.006	0.354
COPD in never-smokers	GSDMB	90	Inverse variance weighted	0.068	0.012	1.070 (1.045, 1.096)	3.69E-08	-0.001	0.912
COPD in never-smokers	HIP1R	2	Inverse variance weighted	-0.441	0.202	0.644 (0.433, 0.956)	0.029	NA	NA
COPD in never-smokers	AP1B1	8	Inverse variance weighted	-0.282	0.074	0.754 (0.653, 0.872)	1.34E-04	-0.007	0.743
COPD in never-smokers	KAT8	11	Inverse variance weighted	0.129	0.050	1.138 (1.032, 1.254)	0.009	0.009	0.550
COPD in never-smokers	IFNAR1	30	Inverse variance weighted	0.115	0.034	1.122 (1.051, 1.198)	5.95E-04	0.007	0.567
COPD in never-smokers	RPL8	47	Inverse variance weighted	-0.063	0.016	0.939 (0.911, 0.969)	7.08E-05	-0.015	0.122
COPD in never-smokers	MTMR3	33	Inverse variance weighted	0.112	0.028	1.119 (1.059, 1.182)	6.87E-05	0.004	0.632
COPD in never-smokers	C11orf82	8	Inverse variance weighted	-0.281	0.073	0.755 (0.654, 0.871)	1.21E-04	-0.013	0.601
COPD in never-smokers	PRKAB2	22	Inverse variance weighted	0.073	0.028	1.076 (1.019, 1.136)	0.008	0.009	0.657
COPD in never-smokers	STK3	2	Inverse variance weighted	0.720	0.252	2.055 (1.254, 3.366)	0.004	NA	NA
COPD in never-smokers	DDX5	15	Inverse variance weighted	0.072	0.031	1.074 (1.010, 1.142)	0.023	0.013	0.563
COPD in never-smokers	EIF2AK4	18	Inverse variance weighted	0.173	0.059	1.189 (1.060, 1.334)	0.003	-0.023	0.124
COPD in never-smokers	MANBA	10	Inverse variance weighted	0.122	0.054	1.129 (1.016, 1.256)	0.025	-0.004	0.885
COPD in never-smokers	UBE2K	12	Inverse variance weighted	-0.147	0.057	0.863 (0.773, 0.964)	0.009	0.016	0.297
COPD in never-smokers	WASH3P	13	Inverse variance weighted	0.070	0.021	1.073 (1.029, 1.119)	9.53E-04	0.006	0.664

COPD in never-smokers	RRAGD	54	Inverse variance weighted	0.062	0.020	1.064 (1.023, 1.106)	0.002	-0.006	0.374	
COPD in never-smokers	STX4	29	Inverse variance weighted	0.101	0.034	1.107 (1.036, 1.182)	0.003	0.000	0.987	
COPD in never-smokers	IL10	5	Inverse variance weighted	-0.249	0.067	0.780 (0.684, 0.889)	2.10E-04	-0.015	0.511	
COPD in never-smokers	SESN3	30	Inverse variance weighted	0.069	0.030	1.071 (1.010, 1.136)	0.022	-0.007	0.517	
COPD in never-smokers	PHIP	14	Inverse variance weighted	-0.135	0.046	0.873 (0.799, 0.955)	0.003	-0.014	0.522	
COPD in never-smokers	GM2A	56	Inverse variance weighted	0.078	0.017	1.081 (1.046, 1.116)	2.50E-06	0.002	0.793	
COPD in never-smokers	RPN1	21	Inverse variance weighted	-0.093	0.031	0.911 (0.858, 0.967)	0.002	-0.010	0.276	
COPD in never-smokers	ITGAM	8	Inverse variance weighted	-0.235	0.070	0.791 (0.689, 0.907)	8.31E-04	-0.005	0.830	
COPD in never-smokers	AP3B2	22	Inverse variance weighted	-0.177	0.050	0.838 (0.760, 0.924)	3.68E-04	-0.022	0.064	
COPD in never-smokers	MAPT	1	Wald ratio	-0.653	0.308	0.521 (0.285, 0.952)	0.034	NA	NA	
COPD in never-smokers	PRKCD	8	Inverse variance weighted	0.172	0.074	1.187 (1.027, 1.372)	0.020	-0.034	0.143	
COPD in never-smokers	AP3D1	8	Inverse variance weighted	0.203	0.077	1.225 (1.053, 1.426)	0.009	-0.015	0.567	
COPD in never-smokers	NEU1	2	Inverse variance weighted	-0.661	0.212	0.516 (0.340, 0.783)	0.002	NA	NA	
COPD in never-smokers	EYA2	1	Wald ratio	0.674	0.323	1.961 (1.041, 3.695)	0.037	NA		NA

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; OR odds ratio; CI, confidence interval

Table S23. Genetic instruments for sensitivity analysis of PCD-related gene expression in relation to COPD

Outcome	Gene	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
Overall COPD	ACSF2	rs111454069	T	C	-0.109	0.017	0.059	2.38E-10	0.002	0.015	0.879	0.001	40.125	TRUE	5.21E-10
Overall COPD	ACSF2	rs113636322	T	C	0.075	0.014	0.100	2.73E-08	0.014	0.011	0.220	0.001	30.892	TRUE	1.41E-07
Overall COPD	ACSF2	rs117311956	C	T	-0.381	0.060	0.013	2.36E-10	0.041	0.037	0.272	0.001	40.140	TRUE	1.44E-09
Overall COPD	ACSF2	rs17776853	G	A	-0.118	0.010	0.184	1.99E-30	0.001	0.009	0.868	0.004	131.423	TRUE	2.14E-29
Overall COPD	ACSF2	rs2079270	T	C	-0.050	0.008	0.440	4.08E-10	-0.004	0.007	0.548	0.001	39.070	TRUE	1.42E-09
Overall COPD	ACSF2	rs2412315	A	G	0.087	0.011	0.150	7.90E-15	-0.030	0.010	0.004	0.002	60.356	TRUE	8.70E-13
Overall COPD	ACSF2	rs55772291	A	G	-0.216	0.014	0.100	2.16E-56	0.018	0.011	0.100	0.008	250.353	TRUE	9.74E-53
Overall COPD	ACSF2	rs62059698	G	A	0.077	0.010	0.185	5.69E-14	-0.004	0.009	0.646	0.002	56.471	TRUE	2.45E-13
Overall COPD	ACSF2	rs77582421	C	A	0.201	0.023	0.040	2.44E-18	-0.031	0.018	0.087	0.002	76.292	TRUE	9.82E-17
Overall COPD	ACSF2	rs8065691	T	C	0.055	0.009	0.481	2.95E-10	0.005	0.007	0.493	0.001	39.705	TRUE	1.14E-09
Overall COPD	ACSF2	rs873839	A	G	-0.120	0.010	0.220	1.10E-35	0.020	0.008	0.011	0.005	155.470	TRUE	2.45E-32
Overall COPD	ACSF2	rs9903959	A	G	-0.085	0.008	0.506	7.39E-27	-0.001	0.007	0.900	0.004	115.117	TRUE	5.55E-26
Overall COPD	AGA	rs11131792	C	T	-0.159	0.012	0.137	7.50E-43	0.000	0.011	0.967	0.006	188.283	TRUE	1.63E-41
Overall COPD	AGA	rs11131824	A	G	0.075	0.008	0.449	6.47E-21	0.001	0.007	0.913	0.003	88.017	TRUE	3.00E-20
Overall COPD	AGA	rs11131832	T	C	-0.170	0.018	0.052	4.01E-21	-0.008	0.017	0.656	0.003	88.964	TRUE	3.23E-20
Overall COPD	AGA	rs111382190	G	A	0.217	0.024	0.029	5.56E-19	0.074	0.021	5.18E-04	0.002	79.212	TRUE	3.14E-16
Overall COPD	AGA	rs112402098	T	G	0.351	0.030	0.023	2.97E-32	0.000	0.020	0.987	0.004	139.774	TRUE	2.72E-31
Overall COPD	AGA	rs114305422	G	A	0.317	0.037	0.016	2.72E-17	-0.012	0.027	0.662	0.002	71.530	TRUE	1.54E-16
Overall COPD	AGA	rs114359918	A	G	0.132	0.024	0.031	2.83E-08	0.003	0.019	0.875	0.001	30.818	TRUE	5.30E-08
Overall COPD	AGA	rs115280927	A	G	-0.451	0.083	0.015	4.67E-08	0.002	0.044	0.970	0.001	29.849	TRUE	7.67E-08
Overall COPD	AGA	rs11725264	C	T	0.242	0.030	0.020	2.99E-16	0.027	0.024	0.260	0.002	66.803	TRUE	3.99E-15
Overall COPD	AGA	rs11935183	G	T	0.068	0.012	0.128	1.14E-08	-0.008	0.010	0.458	0.001	32.586	TRUE	3.91E-08
Overall COPD	AGA	rs11939187	T	C	0.080	0.008	0.342	2.32E-21	0.004	0.007	0.585	0.003	90.043	TRUE	2.25E-20
Overall COPD	AGA	rs12499096	G	A	0.510	0.008	0.307	0.00E+00	0.001	0.008	0.934	0.110	3906.124	TRUE	0.00E+00
Overall COPD	AGA	rs12512186	C	T	0.118	0.009	0.303	3.01E-42	0.005	0.008	0.512	0.006	185.514	TRUE	2.57E-40
Overall COPD	AGA	rs13103027	A	G	0.118	0.008	0.352	6.79E-46	-0.004	0.007	0.632	0.006	202.225	TRUE	5.38E-44
Overall COPD	AGA	rs13107349	T	C	-0.362	0.022	0.038	1.55E-58	-0.001	0.017	0.939	0.008	260.180	TRUE	1.29E-56
Overall COPD	AGA	rs13131254	A	G	0.083	0.008	0.499	1.09E-25	0.007	0.007	0.347	0.003	109.777	TRUE	3.18E-24
Overall COPD	AGA	rs138418203	G	A	0.575	0.038	0.016	5.55E-52	-0.025	0.023	0.286	0.007	230.127	TRUE	3.43E-49
Overall COPD	AGA	rs139713684	A	G	-0.705	0.047	0.017	1.81E-51	-0.037	0.043	0.397	0.007	227.778	TRUE	6.04E-49
Overall COPD	AGA	rs140425919	C	A	-0.387	0.032	0.017	2.17E-33	0.052	0.025	0.037	0.005	144.967	TRUE	1.43E-30
Overall COPD	AGA	rs143882899	G	A	0.181	0.028	0.023	6.46E-11	-0.005	0.022	0.831	0.001	42.675	TRUE	1.58E-10
Overall COPD	AGA	rs144671353	T	C	-0.567	0.020	0.042	1.25E-171	-0.014	0.016	0.373	0.024	779.874	TRUE	1.85E-163
Overall COPD	AGA	rs1462505	C	T	0.093	0.013	0.113	1.69E-13	-0.017	0.011	0.124	0.002	54.328	TRUE	2.66E-12
Overall COPD	AGA	rs146343140	A	G	-0.184	0.033	0.023	2.52E-08	-0.028	0.026	0.278	0.001	31.045	TRUE	1.15E-07
Overall COPD	AGA	rs148456488	A	G	-0.137	0.022	0.037	5.60E-10	0.015	0.018	0.412	0.001	38.453	TRUE	2.42E-09
Overall COPD	AGA	rs148573108	A	G	-0.265	0.035	0.016	1.76E-14	0.022	0.026	0.399	0.002	58.782	TRUE	1.31E-13
Overall COPD	AGA	rs149599100	G	A	0.441	0.025	0.028	6.85E-69	0.008	0.019	0.652	0.010	307.702	TRUE	4.08E-66
Overall COPD	AGA	rs151007338	A	G	0.416	0.036	0.017	4.11E-31	0.008	0.024	0.743	0.004	134.556	TRUE	6.40E-30
Overall COPD	AGA	rs1510619	T	G	0.048	0.008	0.352	8.74E-09	-0.004	0.007	0.585	0.001	33.102	TRUE	2.50E-08

Overall COPD	AGA	rs151244651	A	G	-0.510	0.030	0.022	1.11E-63	-0.021	0.023	0.354	0.009	283.796	TRUE	1.58E-60
Overall COPD	AGA	rs17677230	C	T	-0.244	0.024	0.030	1.23E-24	-0.003	0.019	0.894	0.003	104.986	TRUE	7.86E-24
Overall COPD	AGA	rs17739370	T	C	-0.055	0.009	0.402	2.74E-10	-0.010	0.010	0.294	0.001	39.849	TRUE	1.57E-09
Overall COPD	AGA	rs17740191	A	G	0.276	0.018	0.052	1.40E-50	0.034	0.016	0.032	0.007	223.699	TRUE	1.10E-46
Overall COPD	AGA	rs181032379	T	C	0.283	0.035	0.019	2.69E-16	-0.003	0.023	0.882	0.002	67.013	TRUE	9.28E-16
Overall COPD	AGA	rs1840280	T	C	-0.288	0.018	0.053	2.68E-57	-0.015	0.015	0.306	0.008	254.508	TRUE	2.57E-54
Overall COPD	AGA	rs188862741	C	A	-0.319	0.049	0.026	5.22E-11	0.021	0.029	0.469	0.001	43.091	TRUE	2.28E-10
Overall COPD	AGA	rs190931325	A	G	0.231	0.034	0.025	2.06E-11	-0.043	0.028	0.121	0.001	44.906	TRUE	2.39E-10
Overall COPD	AGA	rs193256145	T	C	0.471	0.048	0.020	2.28E-22	0.043	0.033	0.187	0.003	94.636	TRUE	8.59E-21
Overall COPD	AGA	rs2048073	A	G	-0.068	0.010	0.209	2.95E-12	0.006	0.008	0.446	0.002	48.717	TRUE	1.55E-11
Overall COPD	AGA	rs2675993	G	A	-0.058	0.009	0.237	9.44E-10	0.007	0.008	0.366	0.001	37.435	TRUE	4.33E-09
Overall COPD	AGA	rs34073757	C	T	-0.079	0.012	0.137	9.41E-11	-0.005	0.009	0.595	0.001	41.939	TRUE	3.24E-10
Overall COPD	AGA	rs35156953	T	G	0.090	0.010	0.188	6.34E-18	-0.005	0.009	0.552	0.002	74.407	TRUE	4.78E-17
Overall COPD	AGA	rs3828487	C	A	-0.442	0.010	0.163	0.00E+00	-0.007	0.010	0.469	0.053	1778.506	TRUE	0.00E+00
Overall COPD	AGA	rs4234869	C	T	-0.135	0.011	0.139	5.73E-32	-0.007	0.010	0.476	0.004	138.467	TRUE	2.07E-30
Overall COPD	AGA	rs4428236	C	T	-0.171	0.022	0.065	2.90E-15	0.128	0.117	0.275	0.002	62.331	TRUE	3.26E-14
Overall COPD	AGA	rs4690512	A	G	0.321	0.010	0.202	3.66E-233	-0.009	0.009	0.342	0.032	1062.922	TRUE	1.34E-221
Overall COPD	AGA	rs4690588	T	C	-0.105	0.009	0.299	1.37E-33	-0.001	0.007	0.920	0.005	145.877	TRUE	1.66E-32
Overall COPD	AGA	rs62339449	T	C	0.219	0.035	0.020	2.38E-10	0.011	0.024	0.648	0.001	40.127	TRUE	7.25E-10
Overall COPD	AGA	rs62339738	A	G	0.173	0.026	0.028	1.76E-11	-0.003	0.024	0.914	0.001	45.223	TRUE	3.99E-11
Overall COPD	AGA	rs62341495	A	G	-0.054	0.009	0.244	7.37E-09	-0.009	0.008	0.248	0.001	33.432	TRUE	3.88E-08
Overall COPD	AGA	rs62344808	G	A	-0.187	0.010	0.185	7.12E-75	0.004	0.009	0.634	0.010	335.167	TRUE	7.99E-72
Overall COPD	AGA	rs62345467	G	T	-0.134	0.009	0.263	4.68E-48	-0.003	0.008	0.701	0.007	212.132	TRUE	3.56E-46
Overall COPD	AGA	rs6552231	C	T	-0.297	0.023	0.034	8.27E-38	0.018	0.021	0.406	0.005	165.189	TRUE	6.78E-36
Overall COPD	AGA	rs6832968	G	A	0.563	0.010	0.158	0.00E+00	0.005	0.009	0.552	0.083	2886.187	TRUE	0.00E+00
Overall COPD	AGA	rs72702989	G	T	0.286	0.048	0.019	3.34E-09	0.007	0.029	0.818	0.001	34.971	TRUE	7.25E-09
Overall COPD	AGA	rs72704984	C	T	0.200	0.011	0.155	3.65E-75	0.000	0.010	0.988	0.011	336.503	TRUE	1.00E-72
Overall COPD	AGA	rs72711304	G	T	0.339	0.018	0.051	5.38E-75	-0.003	0.016	0.863	0.010	335.724	TRUE	2.39E-72
Overall COPD	AGA	rs73865306	T	C	0.273	0.042	0.013	8.66E-11	0.009	0.032	0.778	0.001	42.099	TRUE	2.27E-10
Overall COPD	AGA	rs75375461	A	C	-0.124	0.022	0.038	2.34E-08	-0.017	0.018	0.345	0.001	31.190	TRUE	9.37E-08
Overall COPD	AGA	rs76304709	A	G	-0.231	0.022	0.040	1.17E-26	-0.017	0.017	0.309	0.004	114.214	TRUE	4.33E-25
Overall COPD	AGA	rs77222710	A	G	-0.406	0.028	0.024	6.81E-47	-0.004	0.023	0.872	0.006	206.800	TRUE	2.72E-45
Overall COPD	AGA	rs77893458	C	T	0.300	0.034	0.016	7.11E-19	0.036	0.026	0.169	0.002	78.728	TRUE	1.88E-17
Overall COPD	AGA	rs78275393	T	C	0.188	0.028	0.023	3.51E-11	0.011	0.024	0.639	0.001	43.869	TRUE	1.17E-10
Overall COPD	AGA	rs78674336	A	G	0.178	0.024	0.035	1.16E-13	0.005	0.020	0.807	0.002	55.065	TRUE	3.70E-13
Overall COPD	AGA	rs78710286	T	C	0.339	0.030	0.021	5.90E-29	-0.017	0.024	0.493	0.004	124.699	TRUE	1.50E-27
Overall COPD	AGA	rs79992919	C	T	-0.560	0.039	0.015	2.14E-46	0.017	0.031	0.578	0.006	204.517	TRUE	2.14E-44
Overall COPD	AGA	rs80050498	T	C	-0.596	0.018	0.049	8.72E-234	-0.030	0.015	0.037	0.033	1065.781	TRUE	1.65E-219
Overall COPD	AGA	rs9685786	A	G	-0.055	0.008	0.429	5.49E-12	-0.004	0.007	0.562	0.001	47.502	TRUE	2.26E-11
Overall COPD	ATP13A2	rs11203397	G	A	0.126	0.011	0.170	1.16E-28	-0.011	0.011	0.346	0.004	123.354	TRUE	4.65E-27
Overall COPD	ATP13A2	rs115307529	A	G	0.153	0.024	0.033	3.61E-10	-0.002	0.018	0.896	0.001	39.311	TRUE	7.62E-10
Overall COPD	ATP13A2	rs115736587	T	C	-0.196	0.026	0.043	3.43E-14	-0.037	0.020	0.061	0.002	57.468	TRUE	9.08E-13

Overall COPD	ATP13A2	rs14126	A	G	-0.056	0.009	0.286	1.46E-10	-0.006	0.008	0.469	0.001	41.080	TRUE	6.09E-10
Overall COPD	ATP13A2	rs150814450	G	A	-0.236	0.030	0.022	3.76E-15	-0.001	0.022	0.947	0.002	61.820	TRUE	1.06E-14
Overall COPD	ATP13A2	rs2076615	C	A	-0.098	0.009	0.262	5.60E-27	-0.001	0.008	0.860	0.004	115.667	TRUE	4.66E-26
Overall COPD	ATP13A2	rs2501814	T	A	-0.068	0.010	0.263	1.32E-11	-0.019	0.008	0.025	0.001	45.781	TRUE	3.43E-10
Overall COPD	ATP13A2	rs2761502	G	T	0.064	0.012	0.265	3.92E-08	-0.009	0.010	0.356	0.001	30.184	TRUE	1.50E-07
Overall COPD	ATP13A2	rs4920605	G	A	-0.163	0.008	0.441	4.36E-93	-0.018	0.007	0.008	0.013	418.816	TRUE	5.00E-86
Overall COPD	ATP2A1	rs4149382	G	A	-0.064	0.011	0.292	7.79E-09	0.019	0.010	0.068	0.001	33.326	TRUE	7.75E-08
Overall COPD	ATP2A1	rs4788101	T	C	0.090	0.008	0.385	3.74E-28	0.024	0.007	3.65E-04	0.004	121.037	TRUE	1.63E-24
Overall COPD	ATP6V0A2	rs11572960	A	C	-0.292	0.038	0.015	1.77E-14	0.040	0.033	0.232	0.002	58.773	TRUE	2.07E-13
Overall COPD	ATP6V0A2	rs143928387	T	C	0.093	0.016	0.066	8.70E-09	-0.025	0.013	0.047	0.001	33.111	TRUE	9.99E-08
Overall COPD	ATP6V0A2	rs150792771	A	G	0.282	0.050	0.019	1.68E-08	-0.008	0.027	0.774	0.001	31.835	TRUE	3.63E-08
Overall COPD	ATP6V0A2	rs73416283	A	C	0.321	0.031	0.022	2.13E-25	-0.067	0.027	0.014	0.003	108.453	TRUE	8.35E-23
Overall COPD	ATP6V0A2	rs79684108	C	A	0.197	0.024	0.029	1.48E-16	-0.008	0.020	0.698	0.002	68.197	TRUE	7.29E-16
Overall COPD	ATP6V0A2	rs7969207	T	C	-0.050	0.008	0.489	3.40E-10	0.007	0.007	0.323	0.001	39.426	TRUE	1.80E-09
Overall COPD	ATP6V0D1	rs116008080	A	G	-0.177	0.031	0.022	7.17E-09	-0.033	0.022	0.129	0.001	33.487	TRUE	5.35E-08
Overall COPD	ATP6V0D1	rs117499742	A	G	-0.190	0.028	0.025	2.59E-11	-0.036	0.020	0.067	0.001	44.465	TRUE	4.05E-10
Overall COPD	ATP6V0D1	rs117946183	G	A	-0.608	0.027	0.025	3.62E-114	-0.035	0.022	0.110	0.016	515.683	TRUE	1.30E-107
Overall COPD	ATP6V0D1	rs118176502	T	C	0.090	0.016	0.081	1.36E-08	-0.009	0.011	0.435	0.001	32.242	TRUE	4.80E-08
Overall COPD	ATP6V0D1	rs140797503	C	A	-0.272	0.040	0.037	1.11E-11	0.033	0.054	0.540	0.001	46.118	TRUE	4.61E-11
Overall COPD	ATP6V0D1	rs140975074	A	G	-0.342	0.048	0.021	1.19E-12	0.025	0.051	0.620	0.002	50.500	TRUE	4.73E-12
Overall COPD	ATP6V0D1	rs142834247	A	G	-0.293	0.045	0.015	9.27E-11	-0.055	0.028	0.048	0.001	41.967	TRUE	1.53E-09
Overall COPD	ATP6V0D1	rs28711261	G	A	-0.377	0.012	0.124	1.83E-218	-0.025	0.010	0.016	0.030	995.300	TRUE	2.34E-204
Overall COPD	ATP6V0D1	rs3848284	G	C	-0.083	0.013	0.114	5.23E-11	0.000	0.011	0.976	0.001	43.086	TRUE	1.05E-10
Overall COPD	ATP6V0D1	rs67483828	A	G	-0.966	0.023	0.030	0.00E+00	-0.037	0.018	0.035	0.052	1746.050	TRUE	0.00E+00
Overall COPD	ATP6V0D1	rs7200919	A	G	-0.115	0.008	0.432	1.14E-46	-0.010	0.007	0.159	0.006	205.779	TRUE	9.09E-44
Overall COPD	ATP6V0D1	rs75842420	A	G	-0.336	0.016	0.071	9.51E-96	-0.009	0.012	0.484	0.013	431.043	TRUE	1.70E-91
Overall COPD	ATP6V0D1	rs7672	C	G	0.071	0.009	0.296	1.56E-15	-0.005	0.008	0.562	0.002	63.549	TRUE	9.12E-15
Overall COPD	ATP6V0D1	rs8049470	T	C	-0.742	0.072	0.031	4.82E-25	-0.076	0.062	0.218	0.003	106.834	TRUE	2.17E-23
Overall COPD	ATP6V0D1	rs9940621	C	A	-0.080	0.008	0.417	5.01E-23	0.003	0.007	0.674	0.003	97.636	TRUE	4.60E-22
Overall COPD	BAG5	rs12884303	T	C	0.145	0.021	0.048	3.27E-12	-0.002	0.015	0.905	0.002	48.519	TRUE	7.93E-12
Overall COPD	BAG5	rs138358446	T	C	0.176	0.024	0.037	2.69E-13	0.055	0.016	3.95E-04	0.002	53.421	TRUE	4.41E-11
Overall COPD	BAG5	rs143150593	T	C	0.213	0.032	0.023	3.24E-11	0.022	0.021	0.300	0.001	44.023	TRUE	2.06E-10
Overall COPD	BAG5	rs1799794	C	T	-0.153	0.011	0.194	5.84E-45	0.020	0.008	0.016	0.006	197.939	TRUE	3.92E-41
Overall COPD	BAG5	rs2296482	G	T	0.187	0.009	0.279	1.10E-97	0.015	0.007	0.039	0.014	439.931	TRUE	2.85E-91
Overall COPD	BAG5	rs34251103	G	A	-0.144	0.009	0.294	3.28E-55	0.001	0.007	0.877	0.008	244.931	TRUE	2.56E-53
Overall COPD	BAG5	rs35165685	A	G	-0.065	0.010	0.466	3.91E-10	-0.012	0.007	0.100	0.001	39.153	TRUE	4.11E-09
Overall COPD	BAG5	rs4906382	A	G	-0.084	0.009	0.260	4.28E-19	0.002	0.008	0.839	0.003	79.729	TRUE	2.00E-18
Overall COPD	BAG5	rs4906417	A	C	-0.087	0.015	0.080	4.37E-09	0.006	0.015	0.686	0.001	34.450	TRUE	1.12E-08
Overall COPD	BAG5	rs62007678	G	T	-0.152	0.023	0.040	3.19E-11	-0.013	0.016	0.424	0.001	44.052	TRUE	1.56E-10
Overall COPD	BAG5	rs75244210	T	C	0.262	0.042	0.016	3.41E-10	0.014	0.037	0.714	0.001	39.421	TRUE	9.31E-10
Overall COPD	BAG5	rs75834191	T	C	-0.162	0.028	0.025	1.14E-08	0.036	0.022	0.112	0.001	32.588	TRUE	8.81E-08
Overall COPD	BAG5	rs8016348	G	A	-0.063	0.010	0.240	4.72E-10	0.006	0.008	0.464	0.001	38.788	TRUE	1.87E-09

Overall COPD	BAG5	rs861535	G	A	-0.092	0.015	0.084	4.88E-10	-0.019	0.012	0.107	0.001	38.723	TRUE	4.87E-09
Overall COPD	BCL2L11	rs113135335	G	T	0.165	0.013	0.109	3.04E-38	0.033	0.010	0.002	0.005	167.180	TRUE	3.84E-34
Overall COPD	BMF	rs117778159	C	T	-0.158	0.022	0.043	9.03E-13	0.006	0.018	0.748	0.002	51.042	TRUE	2.93E-12
Overall COPD	BMF	rs141905109	C	T	-0.241	0.032	0.021	2.58E-14	0.032	0.022	0.141	0.002	58.027	TRUE	4.20E-13
Overall COPD	BMF	rs16970325	T	C	0.081	0.013	0.098	1.32E-09	0.000	0.012	0.972	0.001	36.782	TRUE	2.41E-09
Overall COPD	BMF	rs2291620	G	A	-0.069	0.008	0.371	4.91E-17	0.001	0.007	0.942	0.002	70.368	TRUE	1.61E-16
Overall COPD	BMF	rs34860096	G	A	0.071	0.012	0.125	4.26E-09	-0.008	0.011	0.457	0.001	34.497	TRUE	1.54E-08
Overall COPD	BMF	rs35603048	T	C	0.083	0.009	0.252	3.09E-19	-0.001	0.008	0.873	0.003	80.377	TRUE	1.36E-18
Overall COPD	BMF	rs62018159	A	G	-0.241	0.010	0.181	3.71E-121	-0.017	0.009	0.049	0.017	547.805	TRUE	1.31E-113
Overall COPD	BMF	rs7180335	A	G	-0.097	0.008	0.411	1.52E-32	0.001	0.007	0.911	0.004	141.107	TRUE	1.73E-31
Overall COPD	BMF	rs72731425	G	A	0.070	0.011	0.170	6.86E-11	-0.005	0.009	0.585	0.001	42.555	TRUE	2.44E-10
Overall COPD	BMF	rs8034964	G	A	-0.068	0.010	0.230	5.41E-11	0.001	0.009	0.892	0.001	43.020	TRUE	1.22E-10
Overall COPD	CASP2	rs10274425	A	G	-0.059	0.009	0.280	3.67E-11	-0.006	0.008	0.452	0.001	43.779	TRUE	1.69E-10
Overall COPD	CASP2	rs3181165	A	G	0.125	0.018	0.055	4.78E-12	-0.010	0.016	0.531	0.002	47.772	TRUE	2.09E-11
Overall COPD	CASP2	rs34904831	T	C	-0.101	0.018	0.060	3.56E-08	-0.019	0.014	0.181	0.001	30.376	TRUE	2.01E-07
Overall COPD	CASP2	rs73170672	A	G	0.318	0.031	0.022	2.28E-25	0.059	0.024	0.014	0.003	108.320	TRUE	8.88E-23
Overall COPD	CD2AP	rs12203319	G	A	-0.126	0.009	0.420	2.62E-49	0.012	0.010	0.237	0.007	217.866	TRUE	1.62E-46
Overall COPD	CD2AP	rs151140410	G	T	0.170	0.027	0.023	1.71E-10	-0.032	0.023	0.161	0.001	40.766	TRUE	1.47E-09
Overall COPD	CD2AP	rs4236095	G	A	0.081	0.011	0.141	1.64E-12	0.000	0.011	0.995	0.002	49.871	TRUE	3.55E-12
Overall COPD	CD2AP	rs72868252	A	G	0.244	0.015	0.078	1.15E-61	-0.038	0.013	0.003	0.009	274.546	TRUE	3.80E-56
Overall COPD	CD2AP	rs75609829	A	G	0.141	0.025	0.027	1.72E-08	0.017	0.019	0.373	0.001	31.785	TRUE	6.67E-08
Overall COPD	CD2AP	rs7745848	T	C	0.079	0.011	0.173	1.49E-13	-0.018	0.009	0.056	0.002	54.585	TRUE	3.72E-12
Overall COPD	CD3E	rs11216853	T	A	0.093	0.009	0.280	8.42E-26	-0.016	0.007	0.037	0.003	110.294	TRUE	1.83E-23
Overall COPD	CD3E	rs11216857	A	G	-0.157	0.027	0.027	4.11E-09	0.020	0.020	0.302	0.001	34.568	TRUE	1.98E-08
Overall COPD	CD3E	rs12286604	A	G	0.069	0.010	0.191	1.00E-11	-0.001	0.008	0.944	0.001	46.324	TRUE	2.21E-11
Overall COPD	CD3E	rs894678	A	G	-0.149	0.008	0.360	4.39E-73	0.015	0.007	0.028	0.010	326.952	TRUE	7.51E-68
Overall COPD	CD5	rs10736712	C	T	-0.152	0.024	0.038	2.10E-10	0.025	0.029	0.396	0.001	40.368	TRUE	9.84E-10
Overall COPD	CD5	rs10792298	A	G	0.056	0.008	0.426	4.11E-12	0.009	0.007	0.188	0.002	48.069	TRUE	4.05E-11
Overall COPD	CD5	rs11230540	G	A	-0.180	0.022	0.035	1.07E-16	-0.032	0.020	0.111	0.002	68.839	TRUE	2.87E-15
Overall COPD	CD5	rs11230548	A	C	0.098	0.009	0.269	1.46E-27	0.019	0.008	0.015	0.004	118.337	TRUE	7.51E-25
Overall COPD	CD5	rs117453032	T	C	-0.231	0.034	0.020	1.77E-11	-0.008	0.024	0.723	0.001	45.206	TRUE	5.34E-11
Overall COPD	CD5	rs2074203	C	A	-0.078	0.010	0.183	4.02E-14	0.004	0.009	0.655	0.002	57.153	TRUE	1.73E-13
Overall COPD	CD5	rs3019567	G	C	0.317	0.014	0.086	1.64E-112	0.021	0.012	0.094	0.016	508.079	TRUE	6.43E-106
Overall COPD	CD5	rs3862666	A	C	0.114	0.010	0.203	3.86E-31	0.002	0.008	0.805	0.004	134.682	TRUE	5.14E-30
Overall COPD	CD5	rs483398	T	C	-0.127	0.008	0.335	2.52E-51	0.006	0.008	0.480	0.007	227.114	TRUE	5.82E-49
Overall COPD	CD5	rs4939481	G	A	-0.093	0.012	0.116	8.52E-14	-0.009	0.011	0.379	0.002	55.678	TRUE	6.13E-13
Overall COPD	CD5	rs4939489	T	C	-0.204	0.008	0.366	3.31E-135	-0.021	0.007	0.004	0.019	612.393	TRUE	2.76E-125
Overall COPD	CD5	rs55951851	G	A	-0.110	0.015	0.085	8.64E-13	0.021	0.012	0.078	0.002	51.128	TRUE	1.59E-11
Overall COPD	CD5	rs73478347	A	G	-0.155	0.022	0.035	1.07E-12	0.010	0.018	0.567	0.002	50.708	TRUE	4.69E-12
Overall COPD	CD5	rs75148619	T	C	0.103	0.013	0.107	1.85E-15	0.003	0.011	0.815	0.002	63.218	TRUE	6.71E-15
Overall COPD	CD5	rs77696239	T	C	0.139	0.025	0.027	4.43E-08	0.002	0.019	0.897	0.001	29.950	TRUE	7.96E-08
Overall COPD	CD5	rs916812	T	C	0.072	0.013	0.116	1.67E-08	0.012	0.010	0.211	0.001	31.846	TRUE	9.13E-08

Overall COPD	CHMP2B	rs112341592	C	A	-0.186	0.025	0.033	1.10E-13	0.057	0.023	0.013	0.002	55.177	TRUE	5.55E-12
Overall COPD	CHMP2B	rs114002886	G	A	0.140	0.018	0.065	1.43E-15	-0.013	0.013	0.321	0.002	63.725	TRUE	1.46E-14
Overall COPD	CHMP2B	rs114250843	A	G	-0.343	0.048	0.013	5.85E-13	0.016	0.030	0.595	0.002	51.894	TRUE	2.50E-12
Overall COPD	CHMP2B	rs114580187	G	C	0.249	0.025	0.046	7.22E-23	0.021	0.017	0.223	0.003	96.914	TRUE	2.46E-21
Overall COPD	CHMP2B	rs114942782	A	G	0.349	0.040	0.015	2.71E-18	0.036	0.031	0.244	0.002	76.082	TRUE	4.91E-17
Overall COPD	CHMP2B	rs115730960	G	A	0.335	0.028	0.027	4.45E-33	-0.006	0.019	0.748	0.005	143.545	TRUE	8.07E-32
Overall COPD	CHMP2B	rs116448220	T	C	0.309	0.027	0.024	3.15E-30	-0.011	0.023	0.631	0.004	130.513	TRUE	6.11E-29
Overall COPD	CHMP2B	rs116607213	T	G	-0.451	0.027	0.024	4.21E-63	-0.011	0.023	0.630	0.009	281.135	TRUE	1.61E-60
Overall COPD	CHMP2B	rs12186106	T	C	-0.233	0.038	0.017	1.37E-09	-0.007	0.025	0.781	0.001	36.712	TRUE	3.22E-09
Overall COPD	CHMP2B	rs13067078	T	C	-0.087	0.009	0.284	7.86E-22	0.009	0.008	0.244	0.003	92.189	TRUE	2.16E-20
Overall COPD	CHMP2B	rs13089170	A	G	-0.051	0.009	0.280	1.47E-08	-0.002	0.007	0.812	0.001	32.090	TRUE	3.05E-08
Overall COPD	CHMP2B	rs140122579	A	C	-0.128	0.019	0.054	6.45E-12	0.017	0.016	0.290	0.001	47.186	TRUE	4.60E-11
Overall COPD	CHMP2B	rs143295143	T	C	0.313	0.035	0.018	2.71E-19	-0.032	0.023	0.161	0.003	80.635	TRUE	7.87E-18
Overall COPD	CHMP2B	rs145299125	C	T	-0.097	0.018	0.058	3.44E-08	0.006	0.014	0.658	0.001	30.440	TRUE	8.41E-08
Overall COPD	CHMP2B	rs17189270	C	T	-0.590	0.041	0.014	4.06E-46	0.037	0.029	0.205	0.006	203.249	TRUE	2.16E-43
Overall COPD	CHMP2B	rs191469817	A	T	0.135	0.023	0.037	2.65E-09	-0.029	0.036	0.418	0.001	35.422	TRUE	1.05E-08
Overall COPD	CHMP2B	rs2220932	C	G	0.067	0.011	0.170	2.33E-10	-0.013	0.009	0.156	0.001	40.168	TRUE	1.99E-09
Overall COPD	CHMP2B	rs35450682	T	C	-0.120	0.018	0.062	1.36E-11	-0.011	0.014	0.432	0.001	45.719	TRUE	6.83E-11
Overall COPD	CHMP2B	rs56405334	G	A	0.188	0.026	0.029	3.49E-13	0.015	0.019	0.414	0.002	52.907	TRUE	2.17E-12
Overall COPD	CHMP2B	rs59794336	G	A	-0.118	0.009	0.273	1.58E-38	-0.003	0.008	0.733	0.005	168.474	TRUE	4.78E-37
Overall COPD	CHMP2B	rs62267685	T	C	0.184	0.020	0.048	1.32E-19	-0.002	0.015	0.912	0.003	82.057	TRUE	5.54E-19
Overall COPD	CHMP2B	rs6775215	A	G	-0.097	0.011	0.156	9.78E-19	-0.019	0.010	0.057	0.002	78.098	TRUE	5.52E-17
Overall COPD	CHMP2B	rs73124089	T	C	-0.114	0.018	0.059	7.95E-10	-0.003	0.014	0.814	0.001	37.771	TRUE	1.82E-09
Overall COPD	CHMP2B	rs73134207	G	T	0.186	0.024	0.032	6.87E-15	0.016	0.018	0.374	0.002	60.630	TRUE	5.67E-14
Overall COPD	CHMP2B	rs73146571	G	C	0.331	0.009	0.286	0.00E+00	0.013	0.007	0.076	0.044	1470.119	TRUE	1.39E-302
Overall COPD	CHMP2B	rs7641225	A	T	-0.145	0.010	0.214	4.51E-50	-0.006	0.008	0.478	0.007	221.372	TRUE	9.29E-48
Overall COPD	CHMP2B	rs79693379	G	A	-0.150	0.022	0.041	2.78E-12	0.009	0.015	0.530	0.002	48.832	TRUE	1.25E-11
Overall COPD	CHMP2B	rs9828696	A	G	0.067	0.009	0.303	1.36E-14	0.005	0.007	0.451	0.002	59.289	TRUE	9.10E-14
Overall COPD	CHMP2B	rs9840394	T	G	-0.069	0.009	0.285	5.45E-15	-0.008	0.008	0.287	0.002	61.086	TRUE	5.74E-14
Overall COPD	CHMP2B	rs9863011	T	C	-0.100	0.009	0.307	4.18E-31	0.006	0.008	0.482	0.004	134.525	TRUE	1.36E-29
Overall COPD	CHUK	rs148211064	T	C	0.467	0.038	0.016	1.69E-35	-0.071	0.035	0.043	0.005	154.615	TRUE	1.31E-32
Overall COPD	CHUK	rs2804405	A	G	0.053	0.008	0.406	7.41E-11	-0.006	0.007	0.380	0.001	42.406	TRUE	3.78E-10
Overall COPD	CLN3	rs12448270	T	C	0.211	0.031	0.035	1.39E-11	-0.014	0.022	0.535	0.001	45.678	TRUE	5.76E-11
Overall COPD	CLN3	rs12922840	C	T	0.052	0.009	0.352	2.44E-08	0.011	0.008	0.152	0.001	31.103	TRUE	1.55E-07
Overall COPD	CLN3	rs140531733	A	G	0.201	0.033	0.030	7.79E-10	0.003	0.018	0.861	0.001	37.810	TRUE	1.68E-09
Overall COPD	CLN3	rs145348479	T	C	0.122	0.015	0.131	5.37E-16	-0.002	0.010	0.823	0.002	65.651	TRUE	2.01E-15
Overall COPD	CLN3	rs148579588	G	A	-0.102	0.017	0.081	2.12E-09	-0.004	0.012	0.721	0.001	35.859	TRUE	5.32E-09
Overall COPD	CLN3	rs151228	A	G	0.201	0.009	0.472	1.61E-119	-0.026	0.007	2.54E-04	0.017	540.285	TRUE	3.06E-109
Overall COPD	CLN3	rs151233	T	C	-0.237	0.014	0.131	1.72E-62	-0.008	0.011	0.490	0.009	278.326	TRUE	1.12E-59
Overall COPD	CLN3	rs188596247	A	G	0.372	0.064	0.024	6.70E-09	-0.019	0.024	0.422	0.001	33.619	TRUE	2.51E-08
Overall COPD	CLN3	rs205409	G	A	0.053	0.009	0.423	2.20E-09	0.000	0.007	0.969	0.001	35.785	TRUE	3.98E-09
Overall COPD	CLN3	rs28502521	A	G	0.138	0.020	0.076	1.36E-11	-0.026	0.013	0.049	0.001	45.727	TRUE	2.57E-10

Overall COPD	CLN3	rs28533690	A	G	0.080	0.013	0.264	1.61E-09	0.004	0.008	0.593	0.001	36.397	TRUE	4.91E-09
Overall COPD	CLN3	rs2887714	G	A	0.058	0.010	0.359	1.22E-08	-0.005	0.007	0.456	0.001	32.454	TRUE	4.18E-08
Overall COPD	CLN3	rs34395441	A	G	0.250	0.033	0.030	7.01E-14	-0.041	0.018	0.025	0.002	56.061	TRUE	2.78E-12
Overall COPD	CLN3	rs4788117	T	C	-0.079	0.011	0.224	4.74E-14	0.016	0.009	0.066	0.002	56.830	TRUE	1.17E-12
Overall COPD	CLN3	rs62037425	A	G	0.115	0.012	0.161	4.63E-21	-0.030	0.009	9.98E-04	0.003	88.678	TRUE	3.12E-18
Overall COPD	CLN3	rs75556002	T	C	-0.359	0.045	0.019	1.51E-15	0.039	0.025	0.123	0.002	63.609	TRUE	3.21E-14
Overall COPD	CLN3	rs76081634	G	A	-0.277	0.039	0.021	1.82E-12	0.017	0.024	0.465	0.002	49.663	TRUE	9.42E-12
Overall COPD	DAPK2	rs11631973	G	T	0.181	0.010	0.223	2.75E-80	0.011	0.008	0.186	0.011	360.028	TRUE	7.57E-76
Overall COPD	DAPK2	rs332280	C	T	-0.232	0.011	0.149	1.73E-96	0.019	0.010	0.057	0.014	434.434	TRUE	2.25E-90
Overall COPD	DAPK2	rs58666381	T	C	-0.100	0.018	0.053	1.87E-08	-0.017	0.016	0.270	0.001	31.623	TRUE	8.83E-08
Overall COPD	DAPK2	rs62014181	A	C	-0.203	0.024	0.034	4.17E-17	-0.049	0.019	0.012	0.002	70.690	TRUE	4.25E-15
Overall COPD	DAPK2	rs62021501	A	G	0.184	0.028	0.027	8.94E-11	0.011	0.026	0.669	0.001	42.037	TRUE	2.75E-10
Overall COPD	DAPK2	rs78487616	C	A	0.100	0.016	0.072	2.56E-10	-0.007	0.013	0.594	0.001	39.981	TRUE	8.46E-10
Overall COPD	DAPK2	rs79418502	C	T	0.121	0.021	0.041	1.23E-08	0.030	0.017	0.081	0.001	32.445	TRUE	1.09E-07
Overall COPD	DDIT4	rs12778560	G	T	-0.077	0.009	0.360	7.60E-19	-0.016	0.007	0.023	0.002	78.597	TRUE	7.55E-17
Overall COPD	DDIT4	rs3829180	C	T	-0.149	0.025	0.025	4.49E-09	-0.032	0.023	0.164	0.001	34.398	TRUE	3.07E-08
Overall COPD	DDX5	rs117024269	T	C	-0.356	0.046	0.029	1.81E-14	-0.013	0.016	0.432	0.002	58.724	TRUE	1.24E-13
Overall COPD	DDX5	rs117839365	T	C	0.190	0.021	0.086	4.06E-19	0.020	0.012	0.094	0.003	79.833	TRUE	1.73E-17
Overall COPD	DDX5	rs11870905	C	A	0.247	0.042	0.037	5.05E-09	-0.016	0.025	0.529	0.001	34.169	TRUE	1.61E-08
Overall COPD	DDX5	rs12945965	A	G	0.224	0.028	0.109	4.69E-16	0.007	0.011	0.527	0.002	65.917	TRUE	3.10E-15
Overall COPD	DDX5	rs147964477	A	G	-0.387	0.070	0.017	2.98E-08	-0.054	0.022	0.016	0.001	30.716	TRUE	4.52E-07
Overall COPD	DDX5	rs17650301	C	A	-0.561	0.012	0.304	0.00E+00	-0.016	0.008	0.041	0.063	2136.300	TRUE	0.00E+00
Overall COPD	DDX5	rs17651039	G	A	-0.443	0.055	0.014	5.68E-16	0.034	0.033	0.305	0.002	65.541	TRUE	6.38E-15
Overall COPD	DDX5	rs182984201	A	G	0.253	0.045	0.039	1.85E-08	0.003	0.018	0.857	0.001	31.646	TRUE	3.59E-08
Overall COPD	DDX5	rs28658574	C	T	-0.082	0.014	0.221	9.54E-09	-0.015	0.008	0.069	0.001	32.932	TRUE	9.30E-08
Overall COPD	DDX5	rs41548920	G	A	-0.459	0.048	0.022	4.43E-22	-0.062	0.025	0.014	0.003	93.321	TRUE	1.01E-19
Overall COPD	DDX5	rs62071607	G	A	-0.183	0.026	0.054	2.45E-12	-0.030	0.014	0.031	0.002	49.086	TRUE	6.59E-11
Overall COPD	DDX5	rs72844239	C	A	0.211	0.033	0.068	2.26E-10	0.022	0.014	0.126	0.001	40.228	TRUE	2.18E-09
Overall COPD	DDX5	rs76237288	G	A	-0.414	0.034	0.044	6.60E-35	-0.035	0.017	0.039	0.005	151.911	TRUE	5.14E-32
Overall COPD	DDX5	rs77672322	T	C	-0.498	0.059	0.018	4.15E-17	-0.096	0.025	1.34E-04	0.002	70.700	TRUE	2.46E-14
Overall COPD	DPP4	rs12617336	C	G	0.331	0.033	0.016	4.14E-23	-0.018	0.031	0.557	0.003	98.016	TRUE	5.06E-22
Overall COPD	DPP4	rs13015258	T	G	0.128	0.008	0.434	8.90E-56	0.018	0.007	0.012	0.008	247.532	TRUE	3.67E-51
Overall COPD	DPP4	rs2389643	T	C	0.105	0.012	0.122	3.66E-17	-0.016	0.011	0.150	0.002	70.949	TRUE	8.44E-16
Overall COPD	DPP4	rs2909445	A	G	-0.082	0.010	0.200	1.12E-16	-0.012	0.008	0.154	0.002	68.743	TRUE	2.38E-15
Overall COPD	E2F2	rs114352248	T	C	0.114	0.015	0.077	7.03E-14	0.034	0.014	0.012	0.002	56.058	TRUE	3.81E-12
Overall COPD	E2F2	rs2902874	G	A	-0.051	0.009	0.311	9.21E-09	0.001	0.008	0.871	0.001	32.998	TRUE	1.80E-08
Overall COPD	EIF2AK3	rs335127	C	T	-0.072	0.009	0.319	2.08E-17	0.012	0.007	0.082	0.002	72.059	TRUE	7.62E-16
Overall COPD	EIF2AK3	rs867529	C	G	0.090	0.009	0.289	1.16E-24	-0.020	0.007	0.008	0.003	105.089	TRUE	5.75E-22
Overall COPD	ERCC4	rs3136038	T	C	0.051	0.008	0.324	1.76E-09	0.018	0.007	0.012	0.001	36.224	TRUE	3.92E-08
Overall COPD	FADS2	rs10792318	G	A	0.365	0.010	0.220	0.00E+00	-0.018	0.009	0.039	0.043	1425.197	TRUE	1.15E-292
Overall COPD	FADS2	rs10792328	C	G	-0.072	0.009	0.323	1.27E-16	-0.009	0.008	0.248	0.002	68.491	TRUE	1.84E-15
Overall COPD	FADS2	rs11230741	A	G	-0.145	0.014	0.149	3.62E-26	0.011	0.010	0.285	0.004	111.967	TRUE	1.40E-24

Overall COPD	FADS2	rs113038217	T	C	-0.160	0.027	0.034	2.34E-09	0.039	0.018	0.032	0.001	35.663	TRUE	3.50E-08
Overall COPD	FADS2	rs117063624	T	C	-0.174	0.030	0.020	5.39E-09	-0.008	0.021	0.702	0.001	34.040	TRUE	1.34E-08
Overall COPD	FADS2	rs117110139	A	G	0.946	0.029	0.023	6.33E-238	-0.033	0.021	0.113	0.033	1084.833	TRUE	1.41E-224
Overall COPD	FADS2	rs117609511	T	C	0.579	0.047	0.014	3.03E-35	-0.038	0.031	0.229	0.005	153.458	TRUE	4.15E-33
Overall COPD	FADS2	rs117983270	C	T	0.836	0.024	0.034	6.99E-276	0.006	0.017	0.748	0.038	1259.474	TRUE	1.67E-263
Overall COPD	FADS2	rs12577068	A	G	0.114	0.014	0.087	7.92E-16	0.007	0.011	0.554	0.002	64.885	TRUE	4.84E-15
Overall COPD	FADS2	rs137915577	A	G	0.760	0.052	0.013	4.89E-48	0.002	0.031	0.946	0.007	212.044	TRUE	1.70E-46
Overall COPD	FADS2	rs138012803	A	G	0.918	0.052	0.014	5.26E-70	-0.003	0.041	0.950	0.010	312.817	TRUE	1.09E-67
Overall COPD	FADS2	rs144073142	T	G	0.211	0.039	0.023	4.32E-08	0.013	0.034	0.690	0.001	30.000	TRUE	1.00E-07
Overall COPD	FADS2	rs144446240	A	C	0.351	0.052	0.013	1.22E-11	-0.051	0.035	0.147	0.001	45.944	TRUE	1.30E-10
Overall COPD	FADS2	rs145786300	A	G	0.540	0.049	0.012	4.04E-28	-0.008	0.036	0.828	0.004	120.882	TRUE	3.97E-27
Overall COPD	FADS2	rs1692116	A	G	-0.121	0.012	0.136	1.37E-25	-0.022	0.009	0.018	0.003	109.324	TRUE	4.63E-23
Overall COPD	FADS2	rs17145892	T	A	0.094	0.011	0.173	5.03E-19	0.010	0.009	0.277	0.003	79.412	TRUE	8.82E-18
Overall COPD	FADS2	rs174452	A	G	-0.191	0.014	0.092	1.56E-41	0.018	0.011	0.105	0.006	182.239	TRUE	1.11E-38
Overall COPD	FADS2	rs174472	G	A	0.135	0.009	0.420	2.76E-54	-0.008	0.007	0.249	0.008	240.687	TRUE	2.71E-51
Overall COPD	FADS2	rs174548	G	C	0.586	0.008	0.302	0.00E+00	-0.018	0.007	0.010	0.143	5270.982	TRUE	0.00E+00
Overall COPD	FADS2	rs174569	C	T	0.230	0.028	0.022	2.36E-16	0.000	0.026	0.986	0.002	67.268	TRUE	6.82E-16
Overall COPD	FADS2	rs174602	C	T	0.213	0.011	0.195	3.57E-90	-0.010	0.009	0.286	0.013	405.428	TRUE	1.26E-85
Overall COPD	FADS2	rs193080301	T	C	0.239	0.043	0.015	3.98E-08	-0.067	0.035	0.053	0.001	30.158	TRUE	3.83E-07
Overall COPD	FADS2	rs195167	A	G	0.151	0.015	0.075	2.35E-23	-0.011	0.012	0.363	0.003	99.136	TRUE	5.06E-22
Overall COPD	FADS2	rs1969544	G	A	0.056	0.008	0.390	8.52E-12	-0.001	0.007	0.886	0.001	46.640	TRUE	2.06E-11
Overall COPD	FADS2	rs198447	G	A	0.098	0.009	0.407	2.49E-29	-0.005	0.007	0.494	0.004	126.411	TRUE	6.56E-28
Overall COPD	FADS2	rs2259606	G	A	-0.075	0.011	0.158	5.46E-12	-0.018	0.010	0.073	0.001	47.510	TRUE	9.17E-11
Overall COPD	FADS2	rs2463839	C	G	0.050	0.009	0.286	1.82E-08	0.003	0.008	0.699	0.001	31.677	TRUE	4.33E-08
Overall COPD	FADS2	rs2521569	A	G	0.240	0.015	0.076	1.27E-55	-0.005	0.016	0.765	0.008	246.827	TRUE	1.50E-53
Overall COPD	FADS2	rs2521572	T	G	0.279	0.019	0.048	2.10E-50	-0.023	0.017	0.180	0.007	222.897	TRUE	2.16E-47
Overall COPD	FADS2	rs2524294	A	G	-0.051	0.009	0.364	4.43E-09	-0.002	0.007	0.809	0.001	34.424	TRUE	9.62E-09
Overall COPD	FADS2	rs28720321	A	G	0.295	0.038	0.019	3.64E-15	0.008	0.027	0.765	0.002	61.879	TRUE	1.41E-14
Overall COPD	FADS2	rs2924438	G	A	-0.122	0.019	0.049	1.78E-10	0.017	0.017	0.302	0.001	40.686	TRUE	1.03E-09
Overall COPD	FADS2	rs35827276	T	C	-0.219	0.034	0.021	1.04E-10	0.020	0.027	0.456	0.001	41.747	TRUE	4.50E-10
Overall COPD	FADS2	rs498793	T	C	-0.182	0.009	0.373	1.60E-82	-0.007	0.008	0.355	0.012	370.292	TRUE	1.58E-78
Overall COPD	FADS2	rs520298	T	C	-0.181	0.015	0.081	6.07E-34	-0.009	0.012	0.463	0.005	147.501	TRUE	2.77E-32
Overall COPD	FADS2	rs61896137	G	A	0.613	0.070	0.015	1.30E-18	0.036	0.033	0.279	0.002	77.534	TRUE	2.16E-17
Overall COPD	FADS2	rs61896703	A	G	0.108	0.012	0.129	1.69E-19	-0.002	0.011	0.857	0.003	81.572	TRUE	7.82E-19
Overall COPD	FADS2	rs7118175	C	T	0.157	0.016	0.066	6.98E-22	-0.011	0.012	0.347	0.003	92.423	TRUE	1.34E-20
Overall COPD	FADS2	rs71490346	T	C	-0.070	0.009	0.230	1.03E-13	0.006	0.008	0.461	0.002	55.305	TRUE	6.14E-13
Overall COPD	FADS2	rs72914292	T	C	-0.096	0.015	0.074	2.45E-10	-0.011	0.013	0.410	0.001	40.071	TRUE	1.11E-09
Overall COPD	FADS2	rs72918076	T	C	-0.157	0.026	0.029	2.16E-09	0.017	0.018	0.324	0.001	35.818	TRUE	1.03E-08
Overall COPD	FADS2	rs740006	C	T	-0.210	0.014	0.105	5.24E-52	0.000	0.011	0.976	0.007	230.242	TRUE	2.28E-50
Overall COPD	FADS2	rs74652144	A	G	0.165	0.021	0.039	8.05E-15	0.009	0.017	0.607	0.002	60.320	TRUE	4.03E-14
Overall COPD	FADS2	rs75938339	C	T	0.791	0.051	0.013	4.33E-55	0.012	0.036	0.729	0.008	244.381	TRUE	5.56E-53
Overall COPD	FADS2	rs76133863	G	A	-0.196	0.032	0.022	6.07E-10	-0.012	0.025	0.630	0.001	38.297	TRUE	1.83E-09

Overall COPD	FADS2	rs77053629	T	C	-0.163	0.020	0.043	1.34E-15	-0.001	0.016	0.951	0.002	63.842	TRUE	3.90E-15
Overall COPD	FADS2	rs77946872	G	C	-0.113	0.017	0.064	3.43E-11	-0.007	0.014	0.586	0.001	43.912	TRUE	1.25E-10
Overall COPD	FADS2	rs79250201	A	G	0.672	0.062	0.022	1.28E-27	-0.044	0.031	0.159	0.004	118.598	TRUE	1.08E-25
Overall COPD	FADS2	rs7942717	G	A	0.135	0.016	0.078	6.14E-18	0.003	0.012	0.770	0.002	74.472	TRUE	2.97E-17
Overall COPD	FADS2	rs79502317	G	T	0.218	0.010	0.221	1.15E-115	-0.006	0.008	0.429	0.016	522.576	TRUE	2.24E-110
Overall COPD	FADS2	rs79969098	A	G	-0.292	0.028	0.036	7.17E-26	0.011	0.021	0.611	0.003	110.613	TRUE	9.89E-25
Overall COPD	FAS	rs10788633	G	C	0.070	0.011	0.162	1.16E-10	0.012	0.009	0.214	0.001	41.533	TRUE	8.57E-10
Overall COPD	FAS	rs10887846	G	A	0.059	0.011	0.200	4.74E-08	0.001	0.008	0.875	0.001	29.819	TRUE	8.72E-08
Overall COPD	FAS	rs10887887	T	G	0.135	0.010	0.184	1.87E-38	0.029	0.009	0.001	0.005	168.150	TRUE	2.53E-34
Overall COPD	FAS	rs11202805	T	C	0.090	0.015	0.079	1.88E-09	0.021	0.013	0.092	0.001	36.089	TRUE	1.83E-08
Overall COPD	FAS	rs11202926	C	T	0.114	0.009	0.271	2.81E-36	0.010	0.007	0.162	0.005	158.182	TRUE	6.53E-34
Overall COPD	FAS	rs11202941	A	C	-0.211	0.027	0.029	1.07E-14	-0.025	0.019	0.189	0.002	59.759	TRUE	1.50E-13
Overall COPD	FAS	rs11203002	G	C	0.090	0.012	0.140	1.01E-14	-0.005	0.010	0.610	0.002	59.882	TRUE	4.96E-14
Overall COPD	FAS	rs112653305	A	G	-0.176	0.029	0.023	7.62E-10	0.022	0.025	0.375	0.001	37.852	TRUE	3.48E-09
Overall COPD	FAS	rs138650913	T	C	0.264	0.032	0.021	1.30E-16	-0.016	0.026	0.536	0.002	68.451	TRUE	8.91E-16
Overall COPD	FAS	rs141091864	C	T	0.685	0.077	0.030	4.75E-19	-0.008	0.036	0.824	0.003	79.526	TRUE	2.27E-18
Overall COPD	FAS	rs144219120	G	A	-0.236	0.030	0.020	5.13E-15	0.016	0.025	0.524	0.002	61.205	TRUE	3.08E-14
Overall COPD	FAS	rs1571014	C	A	0.050	0.008	0.408	2.19E-09	0.005	0.009	0.545	0.001	35.799	TRUE	7.07E-09
Overall COPD	FAS	rs181613407	C	T	-0.332	0.026	0.029	1.08E-38	0.005	0.022	0.818	0.005	169.238	TRUE	2.58E-37
Overall COPD	FAS	rs186205233	T	C	-0.245	0.028	0.023	3.92E-18	0.026	0.023	0.249	0.002	75.359	TRUE	6.82E-17
Overall COPD	FAS	rs303482	T	G	-0.183	0.027	0.026	2.11E-11	-0.015	0.022	0.483	0.001	44.860	TRUE	9.41E-11
Overall COPD	FAS	rs7082101	C	A	0.309	0.008	0.540	0.00E+00	0.012	0.007	0.091	0.046	1532.564	TRUE	0.00E+00
Overall COPD	FAS	rs7095848	G	A	-0.062	0.009	0.482	2.13E-12	-0.002	0.007	0.782	0.002	49.356	TRUE	6.35E-12
Overall COPD	FAS	rs78209918	T	C	-0.235	0.023	0.037	2.84E-25	-0.003	0.020	0.893	0.003	107.887	TRUE	1.91E-24
Overall COPD	FAS	rs79521827	A	G	-0.123	0.022	0.036	4.01E-08	-0.006	0.018	0.761	0.001	30.140	TRUE	8.55E-08
Overall COPD	FAS	rs80058056	A	G	0.081	0.013	0.119	5.55E-10	0.000	0.011	0.991	0.001	38.470	TRUE	1.02E-09
Overall COPD	FAS	rs9658702	A	G	-0.189	0.018	0.052	1.27E-25	-0.041	0.014	0.003	0.003	109.475	TRUE	1.27E-22
Overall COPD	FAS	rs9658713	G	C	-0.326	0.022	0.035	1.01E-49	-0.013	0.017	0.468	0.007	219.767	TRUE	2.09E-47
Overall COPD	FAS	rs9658748	G	T	0.249	0.013	0.102	1.68E-79	0.003	0.011	0.771	0.011	356.406	TRUE	1.62E-76
Overall COPD	FER	rs117699725	T	G	0.112	0.018	0.053	4.11E-10	0.005	0.015	0.732	0.001	39.058	TRUE	1.08E-09
Overall COPD	FER	rs7710960	A	G	0.049	0.009	0.330	8.45E-09	-0.008	0.008	0.272	0.001	33.166	TRUE	4.17E-08
Overall COPD	FER	rs78727964	G	A	0.138	0.018	0.049	9.62E-14	0.041	0.015	0.008	0.002	55.439	TRUE	6.06E-12
Overall COPD	FHIT	rs11130745	A	G	-0.909	0.022	0.035	0.00E+00	-0.044	0.022	0.039	0.053	1782.878	TRUE	0.00E+00
Overall COPD	FHIT	rs115416861	T	C	-0.225	0.032	0.021	1.94E-12	0.020	0.024	0.416	0.002	49.542	TRUE	1.10E-11
Overall COPD	FHIT	rs13090962	G	A	-0.078	0.013	0.113	7.97E-10	0.001	0.011	0.949	0.001	37.766	TRUE	1.52E-09
Overall COPD	FHIT	rs1385815	G	A	0.064	0.009	0.262	1.54E-12	0.003	0.008	0.704	0.002	49.999	TRUE	5.25E-12
Overall COPD	FHIT	rs143479110	C	T	0.180	0.027	0.025	1.46E-11	0.007	0.021	0.730	0.001	45.584	TRUE	4.39E-11
Overall COPD	FHIT	rs1683344	G	A	0.058	0.010	0.187	1.07E-08	0.012	0.009	0.184	0.001	32.710	TRUE	6.48E-08
Overall COPD	FHIT	rs17310854	T	C	0.137	0.019	0.044	2.12E-12	0.010	0.016	0.531	0.002	49.367	TRUE	9.61E-12
Overall COPD	FHIT	rs1825630	T	C	-0.068	0.008	0.486	1.06E-17	-0.007	0.007	0.293	0.002	73.389	TRUE	1.51E-16
Overall COPD	FHIT	rs1905863	C	T	-0.093	0.008	0.498	1.53E-31	-0.005	0.007	0.493	0.004	136.517	TRUE	5.01E-30
Overall COPD	FHIT	rs212063	T	C	0.222	0.013	0.101	3.24E-64	0.004	0.011	0.752	0.009	286.247	TRUE	8.54E-62

Overall COPD	FHIT	rs2630170	C	T	-0.204	0.010	0.173	5.62E-85	-0.011	0.009	0.219	0.012	381.565	TRUE	1.93E-80
Overall COPD	FHIT	rs2736789	C	T	-0.197	0.009	0.439	2.80E-114	0.015	0.007	0.029	0.016	516.193	TRUE	9.28E-107
Overall COPD	FHIT	rs34918586	G	C	-0.066	0.009	0.263	2.12E-13	-0.002	0.008	0.850	0.002	53.890	TRUE	6.14E-13
Overall COPD	FHIT	rs4024134	C	T	0.119	0.013	0.099	4.60E-19	0.012	0.011	0.273	0.003	79.590	TRUE	8.21E-18
Overall COPD	FHIT	rs56263520	C	G	0.074	0.011	0.158	1.20E-11	-0.009	0.009	0.314	0.001	45.971	TRUE	7.78E-11
Overall COPD	FHIT	rs62250727	C	T	-0.053	0.009	0.254	8.13E-09	-0.012	0.008	0.119	0.001	33.242	TRUE	6.26E-08
Overall COPD	FHIT	rs6764256	C	A	-0.224	0.020	0.040	1.69E-28	-0.004	0.020	0.853	0.004	122.612	TRUE	1.61E-27
Overall COPD	FHIT	rs6772201	T	A	0.105	0.010	0.194	5.33E-25	0.007	0.011	0.512	0.003	106.637	TRUE	8.76E-24
Overall COPD	FHIT	rs72884606	T	C	0.080	0.012	0.136	6.17E-12	0.014	0.010	0.163	0.001	47.271	TRUE	6.50E-11
Overall COPD	FHIT	rs74944167	G	A	-0.268	0.029	0.021	2.80E-20	-0.030	0.026	0.250	0.003	85.118	TRUE	6.29E-19
Overall COPD	FHIT	rs78831276	T	C	0.204	0.036	0.014	1.10E-08	-0.007	0.025	0.767	0.001	32.652	TRUE	2.44E-08
Overall COPD	FHIT	rs79938157	G	A	-0.301	0.030	0.023	2.19E-23	-0.014	0.028	0.607	0.003	99.275	TRUE	2.43E-22
Overall COPD	FHIT	rs802779	C	T	0.199	0.013	0.096	2.34E-49	0.031	0.012	0.009	0.007	218.092	TRUE	4.88E-45
Overall COPD	FHIT	rs9819370	T	C	-0.073	0.009	0.285	7.22E-17	-0.013	0.008	0.101	0.002	69.608	TRUE	2.12E-15
Overall COPD	FHIT	rs9819602	C	T	0.138	0.018	0.053	1.31E-14	0.006	0.015	0.677	0.002	59.363	TRUE	5.64E-14
Overall COPD	FNIP2	rs10009938	G	A	-0.056	0.008	0.421	8.95E-12	0.002	0.007	0.747	0.001	46.542	TRUE	2.67E-11
Overall COPD	FNIP2	rs112718322	C	A	-0.159	0.022	0.036	9.85E-13	-0.050	0.018	0.006	0.002	50.871	TRUE	5.78E-11
Overall COPD	FNIP2	rs115154624	G	A	-0.222	0.031	0.022	7.67E-13	-0.016	0.019	0.397	0.002	51.363	TRUE	4.75E-12
Overall COPD	FNIP2	rs116113577	C	T	-0.249	0.040	0.017	3.84E-10	0.025	0.029	0.404	0.001	39.193	TRUE	1.72E-09
Overall COPD	FNIP2	rs13119680	A	G	-0.250	0.040	0.015	3.07E-10	0.056	0.030	0.059	0.001	39.629	TRUE	4.19E-09
Overall COPD	FNIP2	rs146101133	A	G	-0.203	0.032	0.020	1.34E-10	0.019	0.028	0.496	0.001	41.245	TRUE	5.35E-10
Overall COPD	FNIP2	rs150430651	C	T	0.215	0.039	0.015	3.45E-08	0.024	0.032	0.445	0.001	30.433	TRUE	1.14E-07
Overall COPD	FNIP2	rs17037731	G	T	0.268	0.021	0.037	3.81E-37	0.017	0.018	0.334	0.005	162.155	TRUE	3.90E-35
Overall COPD	FNIP2	rs35747642	G	T	-0.242	0.008	0.372	7.74E-193	0.014	0.007	0.045	0.027	877.418	TRUE	3.48E-181
Overall COPD	FNIP2	rs6536350	G	A	-0.096	0.011	0.174	9.48E-20	0.016	0.009	0.063	0.003	82.710	TRUE	5.85E-18
Overall COPD	FNIP2	rs6818858	A	G	0.132	0.016	0.070	4.24E-17	-0.005	0.013	0.705	0.002	70.660	TRUE	2.16E-16
Overall COPD	FNIP2	rs72695488	A	T	0.149	0.012	0.137	6.10E-37	0.007	0.010	0.473	0.005	161.217	TRUE	3.60E-35
Overall COPD	FNIP2	rs7435789	T	C	-0.064	0.010	0.211	8.24E-11	0.016	0.008	0.060	0.001	42.198	TRUE	1.24E-09
Overall COPD	FNIP2	rs76327892	T	C	0.133	0.021	0.040	1.02E-10	-0.031	0.019	0.097	0.001	41.781	TRUE	1.19E-09
Overall COPD	FNIP2	rs76610881	G	A	0.111	0.014	0.094	9.22E-16	-0.010	0.011	0.360	0.002	64.587	TRUE	8.69E-15
Overall COPD	FNIP2	rs7665744	G	A	-0.055	0.010	0.197	3.79E-08	0.000	0.008	0.984	0.001	30.250	TRUE	6.17E-08
Overall COPD	FNIP2	rs7671903	A	G	0.084	0.008	0.444	8.79E-26	0.002	0.007	0.791	0.003	110.210	TRUE	7.79E-25
Overall COPD	FNIP2	rs77143685	G	T	-0.172	0.022	0.035	7.90E-15	0.028	0.018	0.124	0.002	60.357	TRUE	1.51E-13
Overall COPD	FNIP2	rs77229150	A	C	-0.116	0.018	0.052	2.28E-10	0.023	0.014	0.115	0.001	40.208	TRUE	2.31E-09
Overall COPD	FNIP2	rs78126162	C	T	-0.156	0.020	0.044	4.61E-15	0.004	0.017	0.834	0.002	61.415	TRUE	1.57E-14
Overall COPD	FNIP2	rs78665148	C	A	-0.137	0.023	0.034	1.32E-09	0.030	0.019	0.106	0.001	36.784	TRUE	1.23E-08
Overall COPD	GAB2	rs1318241	T	C	0.182	0.011	0.169	1.62E-60	0.028	0.009	0.002	0.008	269.277	TRUE	6.28E-55
Overall COPD	GAB2	rs75268099	T	C	0.203	0.029	0.024	1.47E-12	-0.029	0.022	0.179	0.002	50.089	TRUE	1.59E-11
Overall COPD	GAB2	rs79023139	C	A	0.103	0.014	0.087	1.16E-12	-0.002	0.012	0.862	0.002	50.552	TRUE	3.11E-12
Overall COPD	GHITM	rs11200796	T	C	0.219	0.019	0.048	1.67E-31	-0.031	0.016	0.052	0.004	136.349	TRUE	6.29E-29
Overall COPD	GHITM	rs11201096	A	G	-0.061	0.009	0.270	6.37E-12	-0.009	0.007	0.227	0.001	47.210	TRUE	5.40E-11
Overall COPD	GHITM	rs11511521	A	G	-0.180	0.008	0.365	3.00E-106	-0.003	0.007	0.689	0.015	479.288	TRUE	5.19E-102

Overall COPD	GHITM	rs12261669	T	G	-0.315	0.020	0.045	2.03E-57	-0.012	0.017	0.493	0.008	255.057	TRUE	8.00E-55
Overall COPD	GHITM	rs12770832	T	C	0.089	0.011	0.165	5.89E-16	-0.010	0.010	0.331	0.002	65.470	TRUE	6.13E-15
Overall COPD	GHITM	rs4244945	A	G	0.058	0.009	0.254	4.39E-10	0.003	0.009	0.718	0.001	38.928	TRUE	1.18E-09
Overall COPD	GHITM	rs524265	T	G	0.080	0.013	0.117	6.08E-10	0.015	0.011	0.198	0.001	38.294	TRUE	4.26E-09
Overall COPD	GHITM	rs55880182	T	C	-0.128	0.018	0.056	4.83E-13	-0.007	0.015	0.623	0.002	52.270	TRUE	1.98E-12
Overall COPD	GHITM	rs61865122	A	G	0.163	0.027	0.026	7.28E-10	-0.012	0.021	0.551	0.001	37.941	TRUE	2.46E-09
Overall COPD	GHITM	rs66846769	A	G	-0.074	0.012	0.126	1.87E-09	-0.016	0.010	0.090	0.001	36.099	TRUE	1.84E-08
Overall COPD	GHITM	rs7096040	T	C	-0.063	0.009	0.298	4.13E-13	0.014	0.007	0.056	0.002	52.577	TRUE	9.60E-12
Overall COPD	GHITM	rs72837985	T	C	0.139	0.019	0.046	3.80E-13	-0.018	0.016	0.268	0.002	52.742	TRUE	3.36E-12
Overall COPD	GHITM	rs74322543	G	A	0.155	0.024	0.032	1.32E-10	0.015	0.020	0.450	0.001	41.276	TRUE	5.72E-10
Overall COPD	GHITM	rs77188443	A	G	0.534	0.017	0.060	2.46E-226	-0.036	0.016	0.021	0.032	1031.507	TRUE	5.53E-212
Overall COPD	GHITM	rs7914047	T	A	0.119	0.012	0.144	9.34E-23	0.000	0.012	0.985	0.003	96.403	TRUE	4.28E-22
Overall COPD	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	0.001	0.017	0.940	0.003	100.450	TRUE	6.51E-23
Overall COPD	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	-0.030	0.023	0.189	0.002	59.231	TRUE	1.93E-13
Overall COPD	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	0.003	0.010	0.760	0.003	80.015	TRUE	2.03E-18
Overall COPD	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	0.006	0.015	0.688	0.004	136.489	TRUE	2.90E-30
Overall COPD	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	0.032	0.015	0.035	0.009	296.275	TRUE	1.17E-61
Overall COPD	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	0.035	0.020	0.076	0.013	406.342	TRUE	8.92E-85
Overall COPD	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	0.007	0.020	0.719	0.015	467.091	TRUE	1.56E-99
Overall COPD	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	-0.024	0.013	0.068	0.023	740.366	TRUE	1.88E-153
Overall COPD	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	0.037	0.024	0.130	0.003	99.048	TRUE	1.44E-21
Overall COPD	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	0.012	0.027	0.658	0.001	34.973	TRUE	8.99E-09
Overall COPD	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	-0.017	0.022	0.444	0.016	507.390	TRUE	2.88E-107
Overall COPD	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	-0.011	0.025	0.668	0.005	156.475	TRUE	1.92E-34
Overall COPD	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	-0.020	0.020	0.308	0.009	283.165	TRUE	2.78E-60
Overall COPD	GSDMB	rs12449642	T	A	-0.411	0.010	0.202	0.00E+00	-0.011	0.009	0.223	0.053	1778.099	TRUE	0.00E+00
Overall COPD	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	0.045	0.009	2.24E-07	0.092	3205.686	TRUE	0.00E+00
Overall COPD	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	-0.029	0.007	7.33E-05	0.005	167.364	TRUE	1.89E-33
Overall COPD	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	-0.010	0.007	0.137	0.031	1019.370	TRUE	2.06E-211
Overall COPD	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	-0.017	0.010	0.102	0.003	87.204	TRUE	4.92E-19
Overall COPD	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	0.016	0.027	0.535	0.016	503.835	TRUE	9.15E-107
Overall COPD	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	0.060	0.021	0.004	0.007	222.293	TRUE	1.38E-45
Overall COPD	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	0.026	0.030	0.392	0.001	33.205	TRUE	3.23E-08
Overall COPD	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	0.016	0.031	0.590	0.001	33.754	TRUE	1.80E-08
Overall COPD	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	0.052	0.015	5.04E-04	0.011	352.288	TRUE	2.48E-71
Overall COPD	GSDMB	rs142899349	C	T	-1.043	0.058	0.019	6.68E-72	-0.049	0.031	0.111	0.010	321.522	TRUE	1.64E-67
Overall COPD	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	0.044	0.025	0.077	0.002	47.640	TRUE	8.33E-11
Overall COPD	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	-0.033	0.035	0.344	0.002	59.413	TRUE	1.10E-13
Overall COPD	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	0.017	0.028	0.533	0.007	214.750	TRUE	1.82E-46
Overall COPD	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	0.013	0.025	0.609	0.001	37.506	TRUE	2.78E-09
Overall COPD	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	0.041	0.027	0.136	0.002	55.410	TRUE	1.50E-12
Overall COPD	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	-0.020	0.010	0.044	0.005	145.706	TRUE	8.59E-31

Overall COPD	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	-0.036	0.020	0.076	0.011	352.652	TRUE	1.05E-73
Overall COPD	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	0.052	0.030	0.086	0.002	76.968	TRUE	7.15E-17
Overall COPD	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	0.042	0.031	0.176	0.003	95.228	TRUE	6.86E-21
Overall COPD	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	0.005	0.036	0.886	0.001	45.430	TRUE	3.75E-11
Overall COPD	GSDMB	rs150916518	T	C	-0.851	0.066	0.035	5.41E-38	-0.068	0.032	0.033	0.005	166.033	TRUE	7.40E-35
Overall COPD	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	0.001	0.014	0.913	0.001	35.981	TRUE	3.88E-09
Overall COPD	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	0.020	0.035	0.575	0.001	36.499	TRUE	4.79E-09
Overall COPD	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	0.015	0.011	0.186	0.003	106.322	TRUE	3.24E-23
Overall COPD	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	0.002	0.008	0.808	0.004	130.155	TRUE	4.60E-29
Overall COPD	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	0.016	0.028	0.570	0.001	42.138	TRUE	3.06E-10
Overall COPD	GSDMB	rs186413878	C	T	-0.794	0.096	0.021	1.85E-16	-0.075	0.065	0.255	0.002	67.752	TRUE	2.57E-15
Overall COPD	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	-0.004	0.030	0.883	0.002	67.752	TRUE	6.45E-16
Overall COPD	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	0.008	0.012	0.528	0.003	98.282	TRUE	4.78E-22
Overall COPD	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	0.015	0.008	0.049	0.003	105.802	TRUE	1.26E-22
Overall COPD	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	-0.013	0.011	0.234	0.007	222.121	TRUE	2.15E-47
Overall COPD	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	0.010	0.020	0.629	0.006	179.383	TRUE	3.35E-39
Overall COPD	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	0.019	0.008	0.021	0.048	1598.167	TRUE	0.00E+00
Overall COPD	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	-0.012	0.012	0.291	0.002	50.240	TRUE	1.05E-11
Overall COPD	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	0.012	0.017	0.462	0.019	624.369	TRUE	1.37E-131
Overall COPD	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	-0.025	0.008	0.002	0.168	6416.153	TRUE	0.00E+00
Overall COPD	GSDMB	rs4420582	A	C	-0.195	0.026	0.029	3.46E-14	-0.006	0.022	0.770	0.002	57.449	TRUE	1.22E-13
Overall COPD	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	-0.004	0.016	0.802	0.004	121.191	TRUE	3.63E-27
Overall COPD	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	-0.009	0.008	0.241	0.005	165.347	TRUE	1.31E-35
Overall COPD	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	-0.057	0.032	0.078	0.002	52.472	TRUE	8.40E-12
Overall COPD	GSDMB	rs506728	C	G	-0.122	0.010	0.200	7.12E-35	-0.019	0.009	0.032	0.005	151.758	TRUE	6.44E-32
Overall COPD	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	-0.002	0.009	0.794	0.005	167.025	TRUE	8.10E-37
Overall COPD	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	-0.018	0.018	0.312	0.003	91.090	TRUE	2.86E-20
Overall COPD	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	0.048	0.033	0.152	0.002	72.620	TRUE	3.78E-16
Overall COPD	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	-0.002	0.023	0.947	0.002	51.211	TRUE	1.97E-12
Overall COPD	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	-0.013	0.017	0.441	0.003	107.555	TRUE	6.89E-24
Overall COPD	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	0.020	0.009	0.031	0.002	59.440	TRUE	5.15E-13
Overall COPD	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	0.009	0.023	0.682	0.002	67.584	TRUE	1.01E-15
Overall COPD	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	-0.028	0.015	0.054	0.006	190.987	TRUE	3.46E-40
Overall COPD	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	0.002	0.017	0.903	0.001	34.801	TRUE	7.06E-09
Overall COPD	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	-0.048	0.024	0.042	0.006	185.558	TRUE	5.78E-39
Overall COPD	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	-0.029	0.036	0.426	0.002	71.753	TRUE	2.31E-16
Overall COPD	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	-0.027	0.007	2.69E-04	0.060	2016.058	TRUE	0.00E+00
Overall COPD	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	0.032	0.024	0.178	0.003	90.712	TRUE	5.87E-20
Overall COPD	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	0.008	0.013	0.542	0.026	839.055	TRUE	2.90E-176
Overall COPD	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	-0.033	0.027	0.222	0.003	97.751	TRUE	1.65E-21
Overall COPD	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	-0.018	0.017	0.273	0.010	324.865	TRUE	7.42E-69
Overall COPD	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	-0.003	0.026	0.914	0.001	37.320	TRUE	1.99E-09

Overall COPD	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	0.011	0.028	0.698	0.003	98.761	TRUE	2.52E-22
Overall COPD	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	-0.003	0.013	0.829	0.001	33.061	TRUE	1.84E-08
Overall COPD	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	0.005	0.012	0.651	0.002	53.670	TRUE	9.52E-13
Overall COPD	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	0.037	0.035	0.286	0.001	34.662	TRUE	1.96E-08
Overall COPD	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	-0.014	0.029	0.630	0.004	129.419	TRUE	1.04E-28
Overall COPD	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	0.010	0.021	0.630	0.007	215.754	TRUE	7.89E-47
Overall COPD	GSDMB	rs75905358	C	G	0.299	0.010	0.210	3.78E-209	0.032	0.008	9.54E-05	0.029	952.447	TRUE	2.55E-192
Overall COPD	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	-0.022	0.030	0.454	0.001	37.710	TRUE	3.23E-09
Overall COPD	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	0.019	0.030	0.531	0.017	536.325	TRUE	1.65E-113
Overall COPD	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	-0.004	0.011	0.712	0.002	65.062	TRUE	3.28E-15
Overall COPD	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	0.006	0.011	0.574	0.002	72.603	TRUE	1.09E-16
Overall COPD	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	-0.043	0.029	0.128	0.001	30.652	TRUE	2.09E-07
Overall COPD	GSDMB	rs79062097	T	C	-0.438	0.026	0.030	9.43E-63	-0.020	0.026	0.455	0.009	279.528	TRUE	7.37E-60
Overall COPD	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	-0.025	0.015	0.089	0.013	411.836	TRUE	5.08E-86
Overall COPD	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	0.004	0.024	0.857	0.003	81.876	TRUE	6.74E-19
Overall COPD	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	0.011	0.019	0.549	0.019	624.240	TRUE	8.21E-132
Overall COPD	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	0.005	0.008	0.566	0.005	154.490	TRUE	6.81E-34
Overall COPD	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	0.004	0.007	0.572	0.003	81.045	TRUE	1.82E-18
Overall COPD	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	0.007	0.007	0.375	0.001	31.239	TRUE	8.66E-08
Overall COPD	GZMB	rs10483287	C	T	-0.119	0.014	0.113	2.40E-17	0.010	0.011	0.354	0.002	71.784	TRUE	2.74E-16
Overall COPD	GZMB	rs11621865	A	G	0.171	0.009	0.401	4.69E-79	0.017	0.007	0.011	0.011	354.366	TRUE	5.13E-73
Overall COPD	GZMB	rs116991266	A	G	-0.376	0.022	0.044	2.13E-63	-0.003	0.018	0.849	0.009	282.497	TRUE	3.65E-61
Overall COPD	GZMB	rs11851567	T	C	-0.083	0.013	0.123	5.65E-10	-0.008	0.010	0.400	0.001	38.435	TRUE	2.50E-09
Overall COPD	GZMB	rs12433369	A	G	-0.122	0.018	0.061	3.28E-11	-0.002	0.018	0.893	0.001	43.996	TRUE	7.54E-11
Overall COPD	GZMB	rs12881201	A	C	-0.132	0.020	0.051	2.49E-11	0.005	0.016	0.735	0.001	44.537	TRUE	7.28E-11
Overall COPD	GZMB	rs139416456	A	C	-0.160	0.029	0.031	4.20E-08	0.008	0.018	0.655	0.001	30.053	TRUE	1.02E-07
Overall COPD	GZMB	rs142065939	A	G	-0.513	0.046	0.019	2.06E-28	0.013	0.027	0.633	0.004	122.214	TRUE	3.39E-27
Overall COPD	GZMB	rs17795034	A	G	0.062	0.010	0.303	1.24E-10	0.008	0.007	0.273	0.001	41.404	TRUE	7.80E-10
Overall COPD	GZMB	rs192537409	C	T	0.185	0.032	0.032	6.68E-09	0.038	0.023	0.094	0.001	33.624	TRUE	5.85E-08
Overall COPD	GZMB	rs1957522	G	T	-0.065	0.009	0.450	1.41E-13	-0.009	0.007	0.228	0.002	54.691	TRUE	1.48E-12
Overall COPD	GZMB	rs34502253	A	G	-0.409	0.026	0.038	2.01E-55	0.009	0.017	0.595	0.008	245.910	TRUE	4.33E-53
Overall COPD	GZMB	rs4982957	A	G	0.169	0.014	0.117	3.47E-35	0.003	0.011	0.748	0.005	153.185	TRUE	7.53E-34
Overall COPD	GZMB	rs59268439	T	C	-0.428	0.026	0.029	5.37E-61	-0.005	0.021	0.796	0.008	271.474	TRUE	9.09E-59
Overall COPD	GZMB	rs61999099	G	A	-0.104	0.012	0.247	4.52E-19	0.013	0.011	0.243	0.003	79.622	TRUE	8.99E-18
Overall COPD	GZMB	rs62000680	A	G	-0.178	0.017	0.074	1.01E-26	0.008	0.013	0.570	0.004	114.495	TRUE	1.68E-25
Overall COPD	GZMB	rs72681050	G	A	-0.510	0.032	0.022	1.78E-57	-0.027	0.022	0.214	0.008	255.324	TRUE	3.14E-54
Overall COPD	GZMB	rs77516644	A	G	-0.110	0.016	0.085	2.22E-12	-0.010	0.012	0.435	0.002	49.281	TRUE	1.20E-11
Overall COPD	GZMB	rs80052840	A	G	0.151	0.022	0.053	1.44E-11	0.013	0.017	0.435	0.001	45.605	TRUE	7.17E-11
Overall COPD	GZMB	rs8192921	T	A	-0.402	0.010	0.232	0.00E+00	-0.011	0.008	0.185	0.045	1507.387	TRUE	0.00E+00
Overall COPD	GZMB	rs854427	T	C	-0.058	0.010	0.467	1.02E-08	-0.013	0.008	0.109	0.001	32.794	TRUE	8.09E-08
Overall COPD	HIPK2	rs28469460	C	T	-0.072	0.008	0.367	4.78E-18	-0.016	0.008	0.037	0.002	74.963	TRUE	3.12E-16
Overall COPD	HIPK2	rs36144291	C	T	0.074	0.010	0.184	8.15E-13	0.004	0.009	0.672	0.002	51.242	TRUE	3.01E-12

Overall COPD	HIPK2	rs77383953	C	A	-0.121	0.018	0.061	4.61E-12	-0.020	0.015	0.176	0.002	47.842	TRUE	4.71E-11
Overall COPD	HIPK2	rs7801393	C	T	-0.055	0.010	0.222	1.43E-08	-0.010	0.009	0.259	0.001	32.145	TRUE	7.04E-08
Overall COPD	HRAS	rs11246300	T	C	-0.085	0.010	0.222	9.97E-17	0.004	0.008	0.610	0.002	68.973	TRUE	5.93E-16
Overall COPD	HRAS	rs113298336	T	C	-0.153	0.019	0.057	7.96E-16	-0.020	0.014	0.138	0.002	64.876	TRUE	1.62E-14
Overall COPD	HRAS	rs113584969	A	G	-0.394	0.028	0.035	4.91E-44	-0.010	0.018	0.559	0.006	193.704	TRUE	4.21E-42
Overall COPD	HRAS	rs115480982	A	C	0.175	0.024	0.041	5.00E-13	0.007	0.016	0.656	0.002	52.200	TRUE	1.94E-12
Overall COPD	HRAS	rs116946077	T	C	-0.295	0.030	0.031	6.48E-23	-0.030	0.027	0.258	0.003	97.127	TRUE	1.91E-21
Overall COPD	HRAS	rs117262763	A	G	0.258	0.036	0.022	4.87E-13	-0.029	0.023	0.207	0.002	52.252	TRUE	5.12E-12
Overall COPD	HRAS	rs141929414	G	C	0.079	0.014	0.124	1.89E-08	-0.003	0.010	0.730	0.001	31.598	TRUE	4.32E-08
Overall COPD	HRAS	rs1870726	A	G	-0.316	0.012	0.177	2.80E-159	-0.022	0.008	0.007	0.022	723.081	TRUE	3.16E-148
Overall COPD	HRAS	rs188341583	A	G	-0.259	0.047	0.016	3.13E-08	-0.058	0.028	0.036	0.001	30.623	TRUE	3.56E-07
Overall COPD	HRAS	rs34217524	A	G	0.088	0.015	0.095	1.50E-09	-0.004	0.011	0.726	0.001	36.537	TRUE	3.78E-09
Overall COPD	HRAS	rs3943356	C	T	0.133	0.012	0.179	3.38E-30	-0.001	0.009	0.928	0.004	130.372	TRUE	3.08E-29
Overall COPD	HRAS	rs61876290	G	A	-0.281	0.029	0.033	3.41E-22	-0.013	0.018	0.453	0.003	93.840	TRUE	4.99E-21
Overall COPD	HRAS	rs61877776	A	G	0.175	0.016	0.110	8.64E-28	0.004	0.011	0.699	0.004	119.375	TRUE	1.13E-26
Overall COPD	HRAS	rs72844728	A	G	0.081	0.011	0.274	2.32E-13	-0.003	0.008	0.696	0.002	53.708	TRUE	8.65E-13
Overall COPD	HRAS	rs7395822	A	G	-0.081	0.009	0.445	4.83E-19	-0.009	0.007	0.215	0.003	79.494	TRUE	1.07E-17
Overall COPD	HRAS	rs7396776	G	A	-0.107	0.009	0.397	1.31E-29	-0.010	0.007	0.125	0.004	127.681	TRUE	1.77E-27
Overall COPD	HRAS	rs7480433	A	T	-0.109	0.015	0.123	5.70E-13	-0.008	0.010	0.442	0.002	51.943	TRUE	3.27E-12
Overall COPD	IFI27L2	rs10132476	T	G	0.060	0.010	0.357	2.38E-09	0.002	0.007	0.807	0.001	35.632	TRUE	5.30E-09
Overall COPD	IFI27L2	rs10140104	A	G	-0.093	0.009	0.393	4.41E-24	-0.011	0.007	0.128	0.003	102.448	TRUE	2.89E-22
Overall COPD	IFI27L2	rs112209366	G	A	-0.142	0.019	0.066	4.42E-14	0.013	0.014	0.377	0.002	56.969	TRUE	3.31E-13
Overall COPD	IFI27L2	rs112635299	T	G	-0.354	0.035	0.017	5.93E-24	0.188	0.025	1.12E-13	0.003	101.863	TRUE	4.65E-18
Overall COPD	IFI27L2	rs11628282	C	G	-0.193	0.015	0.102	9.20E-39	0.006	0.011	0.573	0.005	169.556	TRUE	4.61E-37
Overall COPD	IFI27L2	rs11844374	G	A	-0.103	0.018	0.064	8.32E-09	0.042	0.014	0.002	0.001	33.196	TRUE	2.66E-07
Overall COPD	IFI27L2	rs1243165	T	C	-0.110	0.010	0.232	3.16E-26	0.012	0.009	0.186	0.004	112.239	TRUE	1.91E-24
Overall COPD	IFI27L2	rs143824994	T	G	-0.972	0.048	0.015	3.32E-90	-0.036	0.031	0.251	0.013	405.578	TRUE	1.55E-85
Overall COPD	IFI27L2	rs17751057	T	C	-0.086	0.012	0.175	3.69E-13	-0.003	0.009	0.747	0.002	52.797	TRUE	1.24E-12
Overall COPD	IFI27L2	rs17751418	T	C	-0.311	0.019	0.056	3.34E-58	-0.008	0.014	0.578	0.008	258.660	TRUE	9.97E-56
Overall COPD	IFI27L2	rs17751614	T	C	-0.108	0.014	0.106	2.49E-14	-0.011	0.010	0.304	0.002	58.097	TRUE	2.31E-13
Overall COPD	IFI27L2	rs2144835	C	T	-0.112	0.010	0.300	2.47E-30	-0.005	0.007	0.518	0.004	130.998	TRUE	6.67E-29
Overall COPD	IFI27L2	rs2273514	C	T	-0.491	0.011	0.189	0.00E+00	0.029	0.009	8.29E-04	0.060	2026.251	TRUE	0.00E+00
Overall COPD	IFI27L2	rs2402377	T	G	0.061	0.010	0.459	1.22E-09	0.002	0.007	0.787	0.001	36.928	TRUE	2.87E-09
Overall COPD	IFI27L2	rs28373907	C	T	-0.234	0.013	0.130	2.53E-73	0.011	0.010	0.303	0.010	328.048	TRUE	1.33E-69
Overall COPD	IFI27L2	rs34657002	T	C	-0.258	0.024	0.037	7.93E-28	0.020	0.017	0.260	0.004	119.545	TRUE	4.08E-26
Overall COPD	IFI27L2	rs3748320	A	G	0.087	0.011	0.219	9.24E-16	0.000	0.008	0.975	0.002	64.583	TRUE	2.60E-15
Overall COPD	IFI27L2	rs4905163	A	G	0.125	0.009	0.483	8.71E-44	-0.002	0.007	0.750	0.006	192.565	TRUE	3.91E-42
Overall COPD	IFI27L2	rs55915868	T	C	-0.078	0.010	0.328	6.62E-16	0.001	0.008	0.902	0.002	65.240	TRUE	2.14E-15
Overall COPD	IFI27L2	rs72702321	T	C	0.135	0.019	0.058	3.33E-12	-0.008	0.014	0.576	0.002	48.481	TRUE	1.37E-11
Overall COPD	IFI27L2	rs77645081	G	A	0.201	0.033	0.021	1.45E-09	-0.037	0.026	0.157	0.001	36.593	TRUE	1.10E-08
Overall COPD	IFI27L2	rs8008466	C	T	-0.062	0.009	0.457	1.17E-12	0.009	0.007	0.197	0.002	50.529	TRUE	1.21E-11
Overall COPD	IFI27L2	rs941481	T	C	-0.071	0.012	0.160	3.21E-09	-0.008	0.010	0.406	0.001	35.049	TRUE	1.28E-08

Overall COPD	IFNG	rs10161291	T	G	0.080	0.009	0.282	1.36E-19	0.010	0.008	0.207	0.003	81.991	TRUE	3.33E-18
Overall COPD	IFNG	rs10878687	A	T	0.052	0.009	0.234	4.59E-08	0.016	0.008	0.047	0.001	29.880	TRUE	4.60E-07
Overall COPD	IFNG	rs10878698	A	G	0.080	0.013	0.101	1.80E-09	0.003	0.011	0.749	0.001	36.180	TRUE	4.37E-09
Overall COPD	IFNG	rs2870960	C	T	-0.092	0.009	0.325	5.29E-27	-0.016	0.007	0.027	0.004	115.779	TRUE	1.72E-24
Overall COPD	IFNG	rs34528337	G	C	0.223	0.041	0.027	4.91E-08	-0.018	0.021	0.396	0.001	29.749	TRUE	1.73E-07
Overall COPD	INHBB	rs10186515	T	A	0.070	0.011	0.162	8.66E-11	-0.002	0.009	0.848	0.001	42.099	TRUE	2.05E-10
Overall COPD	INHBB	rs10864990	T	C	0.097	0.008	0.399	1.60E-32	0.002	0.007	0.766	0.004	141.007	TRUE	2.63E-31
Overall COPD	INHBB	rs113783131	T	C	-0.187	0.023	0.037	6.63E-16	-0.056	0.018	0.002	0.002	65.237	TRUE	1.27E-13
Overall COPD	INHBB	rs114058571	G	A	-0.179	0.021	0.045	1.51E-17	-0.003	0.015	0.862	0.002	72.691	TRUE	5.96E-17
Overall COPD	INHBB	rs12613616	C	A	0.133	0.011	0.163	2.17E-34	-0.007	0.010	0.479	0.005	149.550	TRUE	9.76E-33
Overall COPD	INHBB	rs13008839	C	T	-0.087	0.008	0.356	1.27E-25	-0.011	0.007	0.120	0.003	109.484	TRUE	1.07E-23
Overall COPD	INHBB	rs144191363	T	C	0.153	0.028	0.028	2.71E-08	-0.011	0.020	0.573	0.001	30.901	TRUE	7.52E-08
Overall COPD	INHBB	rs187006065	A	C	-0.229	0.041	0.014	2.48E-08	0.012	0.031	0.685	0.001	31.079	TRUE	5.92E-08
Overall COPD	INHBB	rs4528762	C	A	0.066	0.010	0.240	5.40E-11	0.003	0.008	0.738	0.001	43.026	TRUE	1.53E-10
Overall COPD	INHBB	rs4848590	T	C	-0.062	0.011	0.200	6.17E-09	-0.002	0.009	0.822	0.001	33.779	TRUE	1.30E-08
Overall COPD	INHBB	rs55809171	A	G	-0.173	0.016	0.073	1.35E-28	0.016	0.013	0.209	0.004	123.055	TRUE	9.64E-27
Overall COPD	INHBB	rs56194865	C	T	-0.118	0.019	0.053	1.14E-09	-0.027	0.015	0.061	0.001	37.059	TRUE	1.39E-08
Overall COPD	INHBB	rs60130558	A	C	0.122	0.013	0.119	2.44E-21	0.007	0.010	0.515	0.003	89.945	TRUE	2.79E-20
Overall COPD	INHBB	rs62167253	T	C	0.076	0.013	0.104	9.71E-09	0.002	0.012	0.839	0.001	32.897	TRUE	1.97E-08
Overall COPD	INHBB	rs66946763	A	G	0.119	0.017	0.063	3.81E-12	0.026	0.016	0.103	0.002	48.217	TRUE	5.43E-11
Overall COPD	INHBB	rs72839002	A	G	-0.218	0.040	0.020	4.97E-08	-0.011	0.028	0.693	0.001	29.727	TRUE	1.14E-07
Overall COPD	INHBB	rs73948753	G	A	0.082	0.012	0.117	4.08E-11	0.024	0.010	0.021	0.001	43.573	TRUE	1.02E-09
Overall COPD	INHBB	rs77058529	A	G	-0.078	0.013	0.109	1.41E-09	-0.032	0.010	0.002	0.001	36.646	TRUE	5.54E-08
Overall COPD	INHBB	rs80104057	A	G	0.198	0.021	0.048	1.50E-21	0.010	0.016	0.523	0.003	90.914	TRUE	1.71E-20
Overall COPD	INHBB	rs938832	G	A	-0.168	0.018	0.061	1.87E-21	-0.017	0.015	0.237	0.003	90.476	TRUE	5.06E-20
Overall COPD	IRF1	rs11741255	A	G	0.080	0.008	0.384	1.62E-22	-0.038	0.007	3.08E-07	0.003	95.310	TRUE	2.47E-18
Overall COPD	IRF1	rs78686200	T	C	0.111	0.015	0.079	2.26E-13	-0.022	0.013	0.098	0.002	53.763	TRUE	4.01E-12
Overall COPD	ITPRIP	rs117417428	T	C	-0.168	0.030	0.023	3.81E-08	0.047	0.020	0.018	0.001	30.241	TRUE	5.48E-07
Overall COPD	ITPRIP	rs11813268	T	C	0.065	0.011	0.172	1.31E-09	-0.020	0.010	0.040	0.001	36.794	TRUE	1.89E-08
Overall COPD	ITPRIP	rs12570506	A	T	0.070	0.011	0.167	1.01E-10	-0.014	0.009	0.133	0.001	41.806	TRUE	9.95E-10
Overall COPD	ITPRIP	rs34970111	T	C	0.180	0.008	0.452	5.70E-107	-0.030	0.007	1.15E-05	0.015	482.607	TRUE	2.16E-96
Overall COPD	ITPRIP	rs35691152	A	C	-0.081	0.012	0.122	6.92E-11	0.009	0.010	0.377	0.001	42.539	TRUE	3.57E-10
Overall COPD	ITPRIP	rs607069	A	T	0.093	0.009	0.264	9.84E-25	-0.025	0.008	0.001	0.003	105.421	TRUE	1.29E-21
Overall COPD	ITPRIP	rs72823923	G	T	-0.139	0.017	0.076	1.54E-16	0.036	0.013	0.005	0.002	68.111	TRUE	2.03E-14
Overall COPD	ITPRIP	rs77945265	G	A	-0.137	0.018	0.054	2.68E-14	0.053	0.016	0.001	0.002	57.951	TRUE	3.69E-12
Overall COPD	KAT8	rs1060506	T	C	0.245	0.009	0.322	2.14E-152	0.030	0.008	1.30E-04	0.021	691.426	TRUE	1.31E-139
Overall COPD	KAT8	rs11574947	T	C	-0.074	0.012	0.195	5.57E-10	-0.020	0.009	0.031	0.001	38.465	TRUE	9.62E-09
Overall COPD	KAT8	rs142366936	A	G	0.230	0.042	0.019	3.99E-08	0.003	0.033	0.920	0.001	30.151	TRUE	7.00E-08
Overall COPD	KAT8	rs147208188	A	G	0.257	0.030	0.024	3.00E-17	-0.016	0.025	0.537	0.002	71.341	TRUE	2.19E-16
Overall COPD	KAT8	rs148603263	C	T	0.225	0.028	0.028	1.70E-15	0.048	0.023	0.037	0.002	63.377	TRUE	7.32E-14
Overall COPD	KAT8	rs2884737	C	A	-0.137	0.011	0.241	6.39E-34	-0.035	0.008	3.13E-05	0.005	147.400	TRUE	2.72E-29
Overall COPD	KAT8	rs3764322	G	A	0.065	0.010	0.273	2.01E-10	0.013	0.009	0.145	0.001	40.450	TRUE	1.81E-09

Overall COPD	KAT8	rs55742763	G	A	0.066	0.009	0.494	6.77E-14	-0.002	0.007	0.830	0.002	56.130	TRUE	2.11E-13
Overall COPD	KAT8	rs74792333	T	C	0.261	0.025	0.044	3.91E-25	0.021	0.016	0.191	0.003	107.247	TRUE	2.03E-23
Overall COPD	KAT8	rs79411291	G	A	0.143	0.026	0.034	2.13E-08	0.027	0.018	0.141	0.001	31.367	TRUE	1.41E-07
Overall COPD	LEPR	rs1046011	T	C	0.221	0.009	0.313	1.89E-135	0.017	0.007	0.020	0.019	613.517	TRUE	1.80E-126
Overall COPD	LEPR	rs10493377	G	A	0.319	0.008	0.465	0.00E+00	0.013	0.007	0.073	0.046	1529.529	TRUE	0.00E+00
Overall COPD	LEPR	rs1062445	A	G	0.066	0.009	0.292	6.69E-13	0.005	0.008	0.507	0.002	51.630	TRUE	3.34E-12
Overall COPD	LEPR	rs114403972	G	A	-0.316	0.012	0.154	2.99E-159	-0.014	0.010	0.143	0.022	722.952	TRUE	1.41E-150
Overall COPD	LEPR	rs115553331	T	C	-0.276	0.028	0.026	6.20E-23	-0.014	0.022	0.527	0.003	97.214	TRUE	8.03E-22
Overall COPD	LEPR	rs11582592	C	T	-0.125	0.020	0.045	4.97E-10	-0.033	0.015	0.034	0.001	38.688	TRUE	8.28E-09
Overall COPD	LEPR	rs116729383	T	C	-0.253	0.023	0.037	1.93E-27	-0.016	0.019	0.400	0.004	117.780	TRUE	5.65E-26
Overall COPD	LEPR	rs11804091	G	A	0.214	0.012	0.145	1.20E-73	-0.001	0.010	0.942	0.010	329.534	TRUE	3.48E-71
Overall COPD	LEPR	rs12034917	T	A	0.130	0.017	0.068	3.43E-15	0.007	0.014	0.595	0.002	61.999	TRUE	1.82E-14
Overall COPD	LEPR	rs12040042	G	A	0.165	0.023	0.036	6.28E-13	-0.002	0.019	0.924	0.002	51.753	TRUE	1.57E-12
Overall COPD	LEPR	rs12121677	C	T	0.186	0.012	0.146	1.22E-56	0.011	0.010	0.303	0.008	251.492	TRUE	1.11E-53
Overall COPD	LEPR	rs12736154	G	T	0.208	0.017	0.066	6.84E-34	-0.008	0.014	0.581	0.005	147.263	TRUE	2.14E-32
Overall COPD	LEPR	rs1392814	G	C	-0.082	0.009	0.300	2.84E-19	-0.017	0.008	0.027	0.003	80.538	TRUE	2.72E-17
Overall COPD	LEPR	rs140879893	T	G	0.389	0.062	0.013	3.64E-10	-0.026	0.040	0.508	0.001	39.293	TRUE	1.36E-09
Overall COPD	LEPR	rs141654048	C	T	-0.184	0.033	0.020	2.45E-08	-0.027	0.028	0.343	0.001	31.097	TRUE	9.84E-08
Overall COPD	LEPR	rs143269572	A	C	-0.466	0.038	0.017	9.71E-35	-0.010	0.028	0.710	0.005	151.143	TRUE	2.25E-33
Overall COPD	LEPR	rs1570869	A	C	-0.100	0.009	0.404	5.98E-32	-0.010	0.007	0.180	0.004	138.384	TRUE	7.42E-30
Overall COPD	LEPR	rs17128123	T	C	0.118	0.018	0.060	3.30E-11	-0.014	0.016	0.366	0.001	43.989	TRUE	1.81E-10
Overall COPD	LEPR	rs17397283	G	A	0.148	0.016	0.073	2.02E-20	-0.010	0.013	0.441	0.003	85.768	TRUE	2.55E-19
Overall COPD	LEPR	rs1938503	T	C	-0.442	0.051	0.019	2.29E-18	0.022	0.027	0.415	0.002	76.418	TRUE	2.49E-17
Overall COPD	LEPR	rs4655607	G	A	0.060	0.008	0.410	2.14E-12	0.001	0.007	0.886	0.002	49.345	TRUE	5.44E-12
Overall COPD	LEPR	rs55730790	G	A	0.111	0.012	0.157	1.09E-21	0.010	0.010	0.351	0.003	91.544	TRUE	2.03E-20
Overall COPD	LEPR	rs55964802	A	G	-0.285	0.009	0.304	1.22E-218	-0.014	0.008	0.061	0.030	996.100	TRUE	9.37E-206
Overall COPD	LEPR	rs571146	T	C	-0.052	0.009	0.346	3.81E-09	0.001	0.007	0.883	0.001	34.716	TRUE	7.56E-09
Overall COPD	LEPR	rs61753391	A	G	0.345	0.028	0.024	7.13E-34	-0.002	0.023	0.941	0.005	147.181	TRUE	8.32E-33
Overall COPD	LEPR	rs61781405	A	G	0.455	0.039	0.016	8.85E-31	0.027	0.032	0.403	0.004	133.034	TRUE	3.61E-29
Overall COPD	LEPR	rs6669785	T	G	-0.262	0.018	0.060	1.04E-50	0.040	0.015	0.009	0.007	224.285	TRUE	2.74E-46
Overall COPD	LEPR	rs6675417	A	C	0.155	0.008	0.444	1.38E-75	0.004	0.007	0.602	0.011	338.434	TRUE	1.91E-72
Overall COPD	LEPR	rs6681698	C	T	-0.063	0.010	0.232	1.55E-10	-0.003	0.008	0.708	0.001	40.960	TRUE	4.40E-10
Overall COPD	LEPR	rs71647484	C	T	0.291	0.027	0.024	1.89E-26	-0.001	0.025	0.974	0.004	113.258	TRUE	1.16E-25
Overall COPD	LEPR	rs72679422	A	C	0.149	0.017	0.072	4.16E-18	0.009	0.015	0.540	0.002	75.237	TRUE	3.28E-17
Overall COPD	LEPR	rs72683201	T	C	-0.266	0.028	0.025	5.48E-21	0.014	0.021	0.504	0.003	88.346	TRUE	6.23E-20
Overall COPD	LEPR	rs72685036	C	T	0.311	0.026	0.029	5.21E-34	-0.026	0.019	0.176	0.005	147.803	TRUE	8.48E-32
Overall COPD	LEPR	rs75148473	C	T	0.281	0.024	0.035	1.57E-30	-0.004	0.019	0.846	0.004	131.893	TRUE	1.80E-29
Overall COPD	LEPR	rs75227303	T	C	-0.186	0.028	0.026	2.85E-11	0.005	0.023	0.812	0.001	44.273	TRUE	7.40E-11
Overall COPD	LEPR	rs7529945	G	A	-0.121	0.015	0.092	7.91E-17	-0.013	0.012	0.251	0.002	69.428	TRUE	1.16E-15
Overall COPD	LEPR	rs75683475	G	A	-0.165	0.017	0.070	2.30E-22	-0.017	0.013	0.186	0.003	94.621	TRUE	8.70E-21
Overall COPD	LEPR	rs76011523	G	A	0.184	0.028	0.023	7.10E-11	0.032	0.022	0.145	0.001	42.489	TRUE	6.85E-10
Overall COPD	LEPR	rs76227390	T	C	0.242	0.026	0.031	3.20E-20	0.022	0.018	0.216	0.003	84.855	TRUE	8.13E-19

Overall COPD	LEPR	rs77451629	A	G	-0.290	0.039	0.016	1.27E-13	-0.039	0.025	0.118	0.002	54.899	TRUE	2.09E-12
Overall COPD	LEPR	rs77848204	A	G	0.823	0.018	0.056	0.00E+00	-0.003	0.016	0.845	0.065	2200.084	TRUE	0.00E+00
Overall COPD	LEPR	rs80131221	C	T	-0.170	0.020	0.048	5.69E-18	0.006	0.018	0.754	0.002	74.621	TRUE	2.85E-17
Overall COPD	LEPR	rs9436276	A	G	-0.345	0.018	0.061	1.34E-79	-0.003	0.015	0.849	0.011	356.871	TRUE	9.37E-77
Overall COPD	MAP1LC3B	rs10221075	T	G	-0.338	0.061	0.019	3.13E-08	0.080	0.035	0.021	0.001	30.625	TRUE	4.31E-07
Overall COPD	MAP1LC3B	rs116740819	C	T	-0.370	0.042	0.021	1.51E-18	0.037	0.023	0.104	0.002	77.234	TRUE	5.52E-17
Overall COPD	MAP1LC3B	rs117653735	G	T	0.195	0.032	0.040	7.28E-10	-0.008	0.017	0.645	0.001	37.941	TRUE	2.13E-09
Overall COPD	MAP1LC3B	rs12051223	A	G	-0.201	0.022	0.114	3.88E-20	0.015	0.011	0.183	0.003	84.477	TRUE	1.13E-18
Overall COPD	MAP1LC3B	rs12918379	T	C	-0.073	0.013	0.296	1.95E-08	0.004	0.007	0.567	0.001	31.538	TRUE	5.54E-08
Overall COPD	MAP1LC3B	rs141055621	A	G	0.355	0.060	0.015	4.25E-09	-0.001	0.034	0.971	0.001	34.504	TRUE	7.51E-09
Overall COPD	MAP1LC3B	rs147509274	A	C	-0.652	0.066	0.013	3.35E-23	0.033	0.032	0.299	0.003	98.432	TRUE	8.79E-22
Overall COPD	MAP1LC3B	rs2277850	G	A	0.137	0.012	0.394	5.37E-30	-0.013	0.007	0.065	0.004	129.455	TRUE	1.38E-27
Overall COPD	MAP1LC3B	rs28449447	A	G	-0.101	0.014	0.352	5.14E-13	-0.005	0.008	0.529	0.002	52.147	TRUE	2.49E-12
Overall COPD	MAP1LC3B	rs28607955	G	A	-0.799	0.026	0.053	2.59E-208	0.008	0.016	0.619	0.029	948.607	TRUE	3.99E-199
Overall COPD	MAP1LC3B	rs35674809	A	G	-0.280	0.031	0.053	1.09E-19	0.026	0.015	0.079	0.003	82.434	TRUE	5.67E-18
Overall COPD	MAP1LC3B	rs4359440	A	G	-0.201	0.017	0.139	5.55E-32	0.010	0.011	0.370	0.004	138.534	TRUE	2.88E-30
Overall COPD	MAP1LC3B	rs4843667	G	A	-0.079	0.014	0.240	2.02E-08	-0.005	0.008	0.559	0.001	31.474	TRUE	5.78E-08
Overall COPD	MAP1LC3B	rs56133944	T	C	0.149	0.025	0.059	4.39E-09	-0.031	0.014	0.025	0.001	34.438	TRUE	6.81E-08
Overall COPD	MAP1LC3B	rs58134308	C	T	-0.097	0.012	0.457	4.79E-16	0.006	0.007	0.417	0.002	65.879	TRUE	4.05E-15
Overall COPD	MAP1LC3B	rs71390902	C	T	-0.158	0.021	0.088	1.82E-13	-0.020	0.012	0.086	0.002	54.184	TRUE	3.55E-12
Overall COPD	MAP1LC3B	rs77019223	G	A	0.249	0.026	0.076	2.38E-21	-0.034	0.013	0.008	0.003	89.994	TRUE	6.49E-19
Overall COPD	MAP1LC3B	rs77615431	C	T	0.216	0.028	0.071	6.80E-15	-0.009	0.020	0.651	0.002	60.652	TRUE	3.15E-14
Overall COPD	MAP1LC3B	rs77684320	T	G	-0.376	0.054	0.017	2.89E-12	0.023	0.031	0.445	0.002	48.762	TRUE	1.52E-11
Overall COPD	MAP1LC3B	rs77911937	C	T	-0.243	0.043	0.024	1.14E-08	0.023	0.019	0.235	0.001	32.581	TRUE	6.03E-08
Overall COPD	MAP1LC3B	rs80157344	G	A	-0.552	0.076	0.013	3.35E-13	-0.044	0.035	0.202	0.002	52.989	TRUE	3.65E-12
Overall COPD	MAP1LC3B	rs8051861	A	G	0.101	0.015	0.208	3.01E-11	-0.013	0.009	0.154	0.001	44.170	TRUE	2.96E-10
Overall COPD	MAP1LC3B	rs8059509	T	C	-0.379	0.022	0.078	1.16E-67	0.008	0.012	0.491	0.009	302.059	TRUE	1.24E-64
Overall COPD	MAP1LC3B	rs862225	T	C	0.142	0.023	0.075	4.15E-10	0.004	0.014	0.786	0.001	39.040	TRUE	1.01E-09
Overall COPD	MAPK3	rs1050881	T	C	0.147	0.015	0.083	5.50E-22	-0.015	0.014	0.283	0.003	92.894	TRUE	1.33E-20
Overall COPD	MAPK3	rs112294239	T	C	-0.300	0.019	0.052	6.05E-59	0.008	0.016	0.624	0.008	262.061	TRUE	1.61E-56
Overall COPD	MAPK3	rs113199118	A	G	-0.134	0.024	0.032	1.79E-08	0.050	0.022	0.023	0.001	31.708	TRUE	2.51E-07
Overall COPD	MAPK3	rs11648675	C	T	-0.087	0.010	0.307	5.26E-18	0.017	0.007	0.020	0.002	74.776	TRUE	4.81E-16
Overall COPD	MAPK3	rs117210898	T	C	-0.225	0.020	0.049	3.71E-29	0.027	0.015	0.067	0.004	125.621	TRUE	8.29E-27
Overall COPD	MAPK3	rs117391625	T	C	-0.160	0.015	0.081	1.34E-25	0.010	0.014	0.455	0.003	109.377	TRUE	2.74E-24
Overall COPD	MAPK3	rs117548034	G	A	-0.247	0.029	0.025	2.85E-17	0.019	0.019	0.330	0.002	71.438	TRUE	3.46E-16
Overall COPD	MAPK3	rs11859842	T	C	0.121	0.008	0.515	2.67E-52	-0.010	0.007	0.156	0.007	231.584	TRUE	4.15E-49
Overall COPD	MAPK3	rs12102367	T	C	0.128	0.013	0.110	2.07E-23	-0.022	0.012	0.060	0.003	99.382	TRUE	2.25E-21
Overall COPD	MAPK3	rs139148055	T	C	-0.370	0.046	0.017	4.59E-16	-0.006	0.025	0.821	0.002	65.963	TRUE	1.73E-15
Overall COPD	MAPK3	rs141162502	T	C	0.259	0.041	0.019	2.55E-10	-0.061	0.022	0.006	0.001	39.988	TRUE	8.47E-09
Overall COPD	MAPK3	rs141989501	C	G	0.208	0.036	0.017	6.00E-09	0.020	0.027	0.463	0.001	33.833	TRUE	2.11E-08
Overall COPD	MAPK3	rs142097700	A	G	0.284	0.041	0.014	7.52E-12	0.009	0.023	0.713	0.001	46.884	TRUE	2.38E-11
Overall COPD	MAPK3	rs143242484	T	C	0.466	0.023	0.040	9.64E-95	0.001	0.016	0.930	0.013	426.420	TRUE	1.84E-91

Overall COPD	MAPK3	rs147553474	C	T	0.425	0.025	0.037	2.95E-67	-0.033	0.016	0.044	0.009	300.200	TRUE	1.40E-62
Overall COPD	MAPK3	rs147785243	G	A	0.243	0.040	0.026	1.62E-09	-0.024	0.025	0.348	0.001	36.385	TRUE	7.48E-09
Overall COPD	MAPK3	rs149522395	G	A	0.333	0.060	0.016	3.60E-08	-0.045	0.042	0.286	0.001	30.354	TRUE	1.58E-07
Overall COPD	MAPK3	rs149774427	A	G	-0.335	0.039	0.017	1.13E-17	0.005	0.024	0.826	0.002	73.266	TRUE	4.81E-17
Overall COPD	MAPK3	rs149918713	T	C	0.252	0.045	0.021	1.64E-08	-0.032	0.042	0.450	0.001	31.878	TRUE	5.60E-08
Overall COPD	MAPK3	rs150773264	A	G	0.252	0.017	0.062	7.19E-52	-0.040	0.015	0.007	0.007	229.610	TRUE	2.81E-47
Overall COPD	MAPK3	rs189384733	A	G	0.501	0.066	0.016	3.14E-14	-0.034	0.040	0.393	0.002	57.644	TRUE	2.30E-13
Overall COPD	MAPK3	rs193301319	T	C	-0.218	0.036	0.016	2.07E-09	-0.003	0.028	0.923	0.001	35.906	TRUE	3.97E-09
Overall COPD	MAPK3	rs235645	A	G	0.075	0.010	0.489	1.16E-13	-0.007	0.008	0.362	0.002	55.079	TRUE	8.53E-13
Overall COPD	MAPK3	rs3087439	T	C	-0.250	0.016	0.074	2.27E-58	-0.002	0.014	0.870	0.008	259.425	TRUE	2.36E-56
Overall COPD	MAPK3	rs34640030	A	G	-0.223	0.029	0.023	2.81E-14	-0.065	0.028	0.019	0.002	57.860	TRUE	1.36E-12
Overall COPD	MAPK3	rs34679599	T	C	-0.408	0.017	0.071	7.53E-134	0.025	0.015	0.085	0.019	606.155	TRUE	4.75E-126
Overall COPD	MAPK3	rs34843513	G	A	0.318	0.024	0.034	5.58E-40	-0.037	0.019	0.051	0.005	175.127	TRUE	6.82E-37
Overall COPD	MAPK3	rs35388821	G	A	-0.070	0.012	0.150	6.70E-09	0.000	0.011	0.995	0.001	33.617	TRUE	1.13E-08
Overall COPD	MAPK3	rs35478648	G	T	-0.369	0.017	0.069	7.64E-105	0.003	0.013	0.792	0.015	472.831	TRUE	6.95E-101
Overall COPD	MAPK3	rs4471699	T	G	-0.375	0.008	0.435	0.00E+00	0.028	0.008	3.37E-04	0.067	2272.880	TRUE	0.00E+00
Overall COPD	MAPK3	rs4548895	G	A	0.411	0.008	0.413	0.00E+00	-0.024	0.007	0.001	0.074	2537.621	TRUE	0.00E+00
Overall COPD	MAPK3	rs4787482	T	G	-0.187	0.009	0.305	1.81E-88	0.013	0.008	0.079	0.012	397.601	TRUE	5.32E-83
Overall COPD	MAPK3	rs55680039	G	T	-0.506	0.024	0.036	5.76E-102	0.045	0.016	0.006	0.014	459.611	TRUE	3.10E-94
Overall COPD	MAPK3	rs56000057	C	G	0.174	0.030	0.027	7.23E-09	-0.001	0.019	0.974	0.001	33.471	TRUE	1.25E-08
Overall COPD	MAPK3	rs56329348	A	G	0.493	0.026	0.031	1.86E-79	-0.061	0.022	0.005	0.011	356.212	TRUE	4.71E-73
Overall COPD	MAPK3	rs56353063	C	G	-0.145	0.010	0.227	2.73E-51	0.004	0.009	0.652	0.007	226.959	TRUE	3.27E-49
Overall COPD	MAPK3	rs59650907	A	G	0.070	0.012	0.176	1.54E-09	-0.008	0.009	0.411	0.001	36.477	TRUE	6.34E-09
Overall COPD	MAPK3	rs62055389	G	T	0.426	0.018	0.063	2.25E-124	-0.039	0.014	0.004	0.017	562.592	TRUE	4.02E-115
Overall COPD	MAPK3	rs7205394	A	C	-0.186	0.013	0.363	2.40E-49	0.025	0.024	0.305	0.007	218.044	TRUE	1.01E-46
Overall COPD	MAPK3	rs72791208	T	C	0.418	0.027	0.027	1.39E-53	-0.012	0.018	0.510	0.007	237.466	TRUE	3.52E-51
Overall COPD	MAPK3	rs72798125	T	C	0.209	0.022	0.048	7.62E-22	0.000	0.019	0.999	0.003	92.250	TRUE	3.17E-21
Overall COPD	MAPK3	rs73534263	G	A	0.117	0.011	0.162	1.41E-24	-0.029	0.017	0.085	0.003	104.704	TRUE	1.39E-22
Overall COPD	MAPK3	rs74776661	A	C	-0.257	0.036	0.018	8.53E-13	0.031	0.045	0.484	0.002	51.154	TRUE	4.40E-12
Overall COPD	MAPK3	rs77250249	A	G	0.351	0.052	0.015	2.05E-11	-0.058	0.035	0.100	0.001	44.919	TRUE	2.65E-10
Overall COPD	MAPK3	rs77871165	C	T	0.457	0.032	0.020	1.33E-46	-0.044	0.025	0.081	0.006	205.468	TRUE	2.36E-43
Overall COPD	MAPK3	rs80273739	G	A	-0.404	0.026	0.030	3.44E-56	0.007	0.019	0.700	0.008	249.423	TRUE	5.40E-54
Overall COPD	MAPK3	rs8047140	T	C	0.149	0.012	0.145	3.13E-36	-0.023	0.011	0.042	0.005	157.963	TRUE	2.75E-33
Overall COPD	MAPK3	rs873623	T	C	-0.084	0.010	0.232	2.36E-18	0.004	0.009	0.660	0.002	76.362	TRUE	1.47E-17
Overall COPD	MAPK3	rs9796793	A	G	0.284	0.016	0.073	1.15E-68	0.001	0.016	0.939	0.010	306.667	TRUE	2.22E-66
Overall COPD	MAPK9	rs10036834	G	A	-0.050	0.008	0.335	3.98E-09	0.009	0.007	0.184	0.001	34.631	TRUE	2.58E-08
Overall COPD	MAPK9	rs10071527	T	C	0.117	0.013	0.112	1.79E-19	0.016	0.011	0.136	0.003	81.457	TRUE	6.08E-18
Overall COPD	MAPK9	rs111531999	A	G	0.087	0.016	0.068	4.39E-08	0.010	0.013	0.456	0.001	29.967	TRUE	1.41E-07
Overall COPD	MAPK9	rs113122244	G	T	0.206	0.021	0.041	3.49E-22	0.035	0.017	0.038	0.003	93.797	TRUE	4.33E-20
Overall COPD	MAPK9	rs113252160	A	G	-0.228	0.026	0.025	5.49E-18	-0.008	0.022	0.713	0.002	74.693	TRUE	2.98E-17
Overall COPD	MAPK9	rs11744336	T	C	0.341	0.043	0.014	3.98E-15	-0.028	0.029	0.326	0.002	61.703	TRUE	3.82E-14
Overall COPD	MAPK9	rs139612793	T	C	-0.106	0.013	0.103	3.48E-15	0.002	0.013	0.885	0.002	61.970	TRUE	1.10E-14

Overall COPD	MAPK9	rs144862010	A	G	-0.212	0.035	0.017	2.04E-09	0.017	0.029	0.549	0.001	35.935	TRUE	6.58E-09
Overall COPD	MAPK9	rs183870701	A	G	-0.202	0.033	0.018	5.51E-10	-0.021	0.024	0.380	0.001	38.485	TRUE	2.53E-09
Overall COPD	MAPK9	rs185965831	T	C	0.217	0.033	0.019	7.92E-11	0.009	0.027	0.727	0.001	42.276	TRUE	2.24E-10
Overall COPD	MAPK9	rs189372226	A	G	0.251	0.044	0.015	1.60E-08	0.035	0.027	0.190	0.001	31.923	TRUE	9.31E-08
Overall COPD	MAPK9	rs2083965	C	T	0.103	0.008	0.460	6.89E-38	0.002	0.007	0.810	0.005	165.554	TRUE	1.58E-36
Overall COPD	MAPK9	rs34280668	A	C	-0.166	0.026	0.032	8.36E-11	-0.003	0.018	0.881	0.001	42.169	TRUE	1.89E-10
Overall COPD	MAPK9	rs4274946	C	G	-0.254	0.012	0.128	4.01E-99	-0.005	0.011	0.658	0.014	446.551	TRUE	4.02E-95
Overall COPD	MAPK9	rs4572964	A	G	-0.146	0.019	0.051	5.74E-14	-0.005	0.017	0.781	0.002	56.454	TRUE	1.96E-13
Overall COPD	MAPK9	rs4700914	G	A	0.053	0.008	0.474	5.38E-11	-0.003	0.007	0.706	0.001	43.031	TRUE	1.60E-10
Overall COPD	MAPK9	rs56330759	G	A	0.067	0.008	0.397	1.51E-15	0.017	0.007	0.022	0.002	63.609	TRUE	8.57E-14
Overall COPD	MAPK9	rs62405491	T	C	0.063	0.008	0.429	6.23E-15	0.010	0.007	0.144	0.002	60.824	TRUE	1.09E-13
Overall COPD	MAPK9	rs62406101	A	G	-0.137	0.011	0.153	5.56E-35	-0.003	0.010	0.758	0.005	152.251	TRUE	1.15E-33
Overall COPD	MAPK9	rs6601106	T	C	0.267	0.008	0.394	8.06E-242	0.015	0.007	0.029	0.034	1102.750	TRUE	8.46E-227
Overall COPD	MAPK9	rs7380019	C	T	0.060	0.008	0.414	5.42E-13	-0.004	0.007	0.588	0.002	52.044	TRUE	2.35E-12
Overall COPD	MAPK9	rs7721160	G	A	-0.099	0.011	0.154	3.40E-19	0.002	0.009	0.852	0.003	80.184	TRUE	1.56E-18
Overall COPD	MAPK9	rs780130	A	G	-0.140	0.023	0.037	1.63E-09	0.002	0.018	0.905	0.001	36.375	TRUE	3.22E-09
Overall COPD	MAPK9	rs79764192	A	C	0.135	0.012	0.140	1.67E-31	0.005	0.010	0.634	0.004	136.339	TRUE	3.61E-30
Overall COPD	MAPK9	rs79855843	G	A	0.278	0.018	0.056	4.41E-54	0.015	0.015	0.318	0.008	239.757	TRUE	2.84E-51
Overall COPD	MFF	rs10201602	G	A	0.106	0.010	0.225	1.09E-28	-0.009	0.008	0.245	0.004	123.478	TRUE	6.62E-27
Overall COPD	MFF	rs112954207	T	C	0.153	0.026	0.026	3.49E-09	-0.018	0.020	0.382	0.001	34.888	TRUE	1.45E-08
Overall COPD	MFF	rs115354620	G	A	0.285	0.034	0.017	4.00E-17	-0.002	0.029	0.931	0.002	70.774	TRUE	1.34E-16
Overall COPD	MFF	rs116390470	C	T	-0.240	0.039	0.015	1.08E-09	0.001	0.028	0.968	0.001	37.174	TRUE	2.00E-09
Overall COPD	MFF	rs12619675	G	A	-0.167	0.009	0.265	1.26E-77	0.010	0.007	0.166	0.011	347.808	TRUE	3.13E-73
Overall COPD	MFF	rs12694724	A	G	0.073	0.008	0.438	9.10E-20	-0.009	0.009	0.308	0.003	82.790	TRUE	1.57E-18
Overall COPD	MFF	rs142376350	A	G	-0.225	0.032	0.020	1.23E-12	-0.017	0.023	0.459	0.002	50.432	TRUE	6.56E-12
Overall COPD	MFF	rs148613546	A	G	-0.256	0.025	0.029	4.91E-25	0.012	0.019	0.519	0.003	106.797	TRUE	7.98E-24
Overall COPD	MFF	rs6756898	C	T	0.067	0.009	0.252	2.19E-13	0.002	0.008	0.773	0.002	53.822	TRUE	7.19E-13
Overall COPD	MFF	rs73997146	A	G	-0.113	0.018	0.055	7.61E-10	-0.009	0.014	0.533	0.001	37.854	TRUE	2.64E-09
Overall COPD	MFF	rs7572491	A	G	0.229	0.008	0.402	3.13E-180	-0.014	0.007	0.043	0.025	819.436	TRUE	2.86E-169
Overall COPD	MFF	rs78814247	T	G	-0.130	0.019	0.051	2.16E-11	-0.005	0.014	0.720	0.001	44.821	TRUE	6.49E-11
Overall COPD	MFF	rs79197287	A	G	-0.112	0.018	0.051	4.81E-10	0.003	0.015	0.823	0.001	38.750	TRUE	1.11E-09
Overall COPD	MPO	rs12940119	C	T	0.409	0.011	0.143	1.27E-295	0.021	0.009	0.024	0.041	1350.304	TRUE	6.18E-277
Overall COPD	MPO	rs12949759	G	A	-0.069	0.010	0.203	1.02E-11	0.012	0.009	0.160	0.001	46.291	TRUE	1.05E-10
Overall COPD	MPO	rs140956807	A	G	-0.281	0.042	0.015	2.07E-11	0.011	0.030	0.703	0.001	44.901	TRUE	6.40E-11
Overall COPD	MPO	rs143617271	A	G	0.241	0.023	0.034	2.99E-25	0.014	0.020	0.461	0.003	107.779	TRUE	5.82E-24
Overall COPD	MPO	rs17762434	G	T	0.113	0.015	0.088	5.06E-14	-0.005	0.013	0.722	0.002	56.704	TRUE	1.91E-13
Overall COPD	MPO	rs181229	C	G	0.121	0.010	0.186	3.44E-32	-0.005	0.009	0.563	0.004	139.481	TRUE	9.68E-31
Overall COPD	MPO	rs2877872	G	A	0.063	0.008	0.409	9.51E-15	0.008	0.007	0.257	0.002	59.991	TRUE	1.06E-13
Overall COPD	MPO	rs34097845	T	C	-0.402	0.019	0.055	3.10E-96	-0.013	0.017	0.449	0.013	433.278	TRUE	7.12E-92
Overall COPD	MPO	rs72839919	A	C	-0.136	0.015	0.084	9.25E-20	0.029	0.016	0.074	0.003	82.758	TRUE	5.12E-18
Overall COPD	MPO	rs76246651	A	G	0.161	0.028	0.027	1.21E-08	0.022	0.023	0.325	0.001	32.474	TRUE	5.22E-08
Overall COPD	MPO	rs8070135	A	G	-0.137	0.008	0.335	2.91E-60	-0.017	0.007	0.017	0.008	268.105	TRUE	1.55E-55

Overall COPD	MPO	rs8073397	A	C	-0.085	0.009	0.323	3.56E-20	-0.015	0.012	0.194	0.003	84.646	TRUE	9.91E-19
Overall COPD	MPO	rs917606	C	T	-0.097	0.009	0.280	5.68E-28	-0.015	0.008	0.073	0.004	120.206	TRUE	9.98E-26
Overall COPD	MSH6	rs10169431	T	C	-0.077	0.012	0.423	1.21E-10	0.006	0.007	0.350	0.001	41.453	TRUE	6.38E-10
Overall COPD	MSH6	rs10210340	A	T	-0.124	0.016	0.158	4.71E-14	0.005	0.010	0.645	0.002	56.845	TRUE	2.04E-13
Overall COPD	MSH6	rs111739930	A	C	-0.406	0.046	0.024	1.10E-18	0.024	0.026	0.371	0.002	77.862	TRUE	1.40E-17
Overall COPD	MSH6	rs111861797	C	T	0.509	0.015	0.171	1.21E-247	-0.021	0.009	0.019	0.034	1129.548	TRUE	7.48E-232
Overall COPD	MSH6	rs111965445	G	C	-0.416	0.015	0.176	7.26E-166	0.015	0.009	0.093	0.023	753.368	TRUE	2.09E-156
Overall COPD	MSH6	rs116554316	A	G	0.313	0.046	0.020	1.27E-11	0.020	0.024	0.410	0.001	45.854	TRUE	6.68E-11
Overall COPD	MSH6	rs11689093	A	G	0.157	0.019	0.109	1.52E-16	-0.006	0.011	0.584	0.002	68.134	TRUE	9.40E-16
Overall COPD	MSH6	rs12468825	T	C	-0.174	0.022	0.080	1.46E-15	0.002	0.013	0.879	0.002	63.686	TRUE	4.77E-15
Overall COPD	MSH6	rs137896892	T	C	0.400	0.043	0.020	9.95E-21	-0.021	0.024	0.374	0.003	87.167	TRUE	1.56E-19
Overall COPD	MSH6	rs140863805	G	A	0.387	0.063	0.013	8.96E-10	-0.035	0.035	0.317	0.001	37.538	TRUE	4.56E-09
Overall COPD	MSH6	rs145663316	T	C	-0.433	0.044	0.019	3.94E-23	-0.039	0.029	0.167	0.003	98.111	TRUE	1.81E-21
Overall COPD	MSH6	rs150279774	T	C	0.421	0.031	0.037	1.82E-41	-0.024	0.018	0.189	0.006	181.936	TRUE	6.39E-39
Overall COPD	MSH6	rs2037230	T	C	-0.207	0.019	0.114	5.60E-29	0.019	0.010	0.061	0.004	124.802	TRUE	1.31E-26
Overall COPD	MSH6	rs2881862	G	A	-0.084	0.012	0.447	2.35E-12	-0.003	0.007	0.649	0.002	49.162	TRUE	8.66E-12
Overall COPD	MSH6	rs2969769	C	T	-0.098	0.014	0.221	1.36E-11	-0.006	0.009	0.495	0.001	45.730	TRUE	6.04E-11
Overall COPD	MSH6	rs3136329	C	T	-0.120	0.012	0.424	1.06E-23	0.005	0.007	0.455	0.003	100.719	TRUE	1.79E-22
Overall COPD	MSH6	rs4356705	G	A	-0.135	0.012	0.364	2.39E-28	-0.006	0.007	0.401	0.004	121.926	TRUE	7.65E-27
Overall COPD	MSH6	rs61087417	A	T	0.203	0.022	0.081	2.14E-20	-0.003	0.013	0.806	0.003	85.653	TRUE	1.18E-19
Overall COPD	MSH6	rs61387839	G	A	-0.100	0.013	0.286	2.14E-14	-0.004	0.007	0.540	0.002	58.396	TRUE	1.17E-13
Overall COPD	MSH6	rs7371084	C	T	-0.119	0.017	0.148	7.78E-13	0.003	0.009	0.711	0.002	51.334	TRUE	2.70E-12
Overall COPD	MSH6	rs75315139	G	A	-0.370	0.045	0.019	2.40E-16	0.029	0.024	0.231	0.002	67.242	TRUE	3.56E-15
Overall COPD	MSH6	rs75490457	G	T	0.345	0.035	0.030	1.33E-22	0.006	0.021	0.768	0.003	95.705	TRUE	9.54E-22
Overall COPD	MSH6	rs7557658	C	T	0.180	0.024	0.062	1.92E-13	0.008	0.014	0.551	0.002	54.078	TRUE	9.34E-13
Overall COPD	MSH6	rs7592742	G	T	-0.126	0.014	0.256	1.16E-20	0.006	0.008	0.396	0.003	86.857	TRUE	1.70E-19
Overall COPD	MSH6	rs78931117	T	C	0.376	0.039	0.023	1.43E-21	0.013	0.023	0.561	0.003	91.006	TRUE	1.49E-20
Overall COPD	MSH6	rs80204470	C	T	0.347	0.059	0.015	5.27E-09	-0.005	0.027	0.848	0.001	34.085	TRUE	1.08E-08
Overall COPD	MSH6	rs876969	T	C	0.114	0.014	0.230	4.04E-16	-0.013	0.008	0.095	0.002	66.213	TRUE	1.11E-14
Overall COPD	MTF1	rs3748804	T	C	-0.110	0.009	0.300	4.93E-31	0.020	0.007	0.009	0.004	134.195	TRUE	6.48E-28
Overall COPD	MTF1	rs4462102	G	A	0.136	0.013	0.125	1.03E-24	-0.038	0.011	4.65E-04	0.003	105.327	TRUE	2.03E-21
Overall COPD	MTMR4	rs3803752	T	C	-0.072	0.010	0.219	8.65E-14	0.006	0.008	0.481	0.002	55.648	TRUE	4.99E-13
Overall COPD	MTMR4	rs4793954	T	G	0.070	0.009	0.289	2.16E-15	-0.016	0.007	0.030	0.002	62.909	TRUE	1.03E-13
Overall COPD	NAPSA	rs117882241	T	C	-0.195	0.031	0.038	3.77E-10	0.030	0.017	0.077	0.001	39.228	TRUE	4.51E-09
Overall COPD	NAPSA	rs2230245	T	C	0.160	0.019	0.108	4.65E-17	-0.008	0.010	0.455	0.002	70.475	TRUE	4.00E-16
Overall COPD	NAPSA	rs28514894	C	T	-0.223	0.013	0.313	6.49E-70	0.019	0.007	0.008	0.010	312.398	TRUE	2.83E-64
Overall COPD	NAPSA	rs3219340	G	T	0.117	0.020	0.093	1.10E-08	-0.015	0.012	0.218	0.001	32.648	TRUE	6.09E-08
Overall COPD	NAPSA	rs3745512	C	A	-0.095	0.016	0.224	2.03E-09	-0.001	0.008	0.877	0.001	35.937	TRUE	4.16E-09
Overall COPD	NAPSA	rs77528293	A	G	-0.249	0.040	0.027	8.12E-10	0.016	0.019	0.398	0.001	37.729	TRUE	3.53E-09
Overall COPD	NCK1	rs185931403	A	G	-0.203	0.033	0.022	4.60E-10	0.028	0.031	0.359	0.001	38.838	TRUE	2.23E-09
Overall COPD	NCK1	rs7620314	G	A	0.061	0.009	0.388	6.76E-12	-0.001	0.007	0.893	0.001	47.092	TRUE	1.63E-11
Overall COPD	NCK1	rs80201571	T	G	-0.125	0.010	0.207	5.27E-37	-0.030	0.009	4.21E-04	0.005	161.510	TRUE	1.14E-32

Overall COPD	NDUFA13	rs11085264	G	A	0.193	0.013	0.157	4.02E-51	-0.024	0.009	0.008	0.007	226.186	TRUE	1.18E-46
Overall COPD	NDUFA13	rs4284750	A	G	0.062	0.010	0.314	8.07E-11	-0.013	0.008	0.086	0.001	42.237	TRUE	1.02E-09
Overall COPD	NDUFA13	rs7248885	A	G	-0.053	0.009	0.391	4.10E-09	0.006	0.007	0.423	0.001	34.572	TRUE	1.57E-08
Overall COPD	NEDD4	rs11071224	G	A	-0.104	0.018	0.052	7.44E-09	0.012	0.016	0.442	0.001	33.413	TRUE	2.68E-08
Overall COPD	NEDD4	rs113043405	T	C	0.225	0.034	0.018	3.80E-11	-0.004	0.026	0.870	0.001	43.713	TRUE	8.96E-11
Overall COPD	NEDD4	rs117314522	A	G	0.394	0.062	0.012	2.37E-10	-0.061	0.042	0.143	0.001	40.130	TRUE	2.13E-09
Overall COPD	NEDD4	rs118050123	C	T	-0.206	0.021	0.040	2.39E-22	0.008	0.017	0.619	0.003	94.547	TRUE	2.34E-21
Overall COPD	NEDD4	rs12438587	T	C	0.229	0.018	0.053	1.57E-37	-0.001	0.015	0.972	0.005	163.912	TRUE	2.24E-36
Overall COPD	NEDD4	rs12441843	C	G	0.315	0.012	0.125	2.76E-154	-0.020	0.010	0.058	0.022	700.121	TRUE	4.80E-145
Overall COPD	NEDD4	rs12595514	C	A	0.674	0.018	0.053	0.00E+00	-0.041	0.019	0.030	0.043	1432.700	TRUE	6.80E-294
Overall COPD	NEDD4	rs12907507	T	C	0.047	0.008	0.493	2.76E-09	-0.009	0.007	0.207	0.001	35.346	TRUE	1.71E-08
Overall COPD	NEDD4	rs149299658	C	T	-0.164	0.015	0.091	1.17E-29	0.007	0.013	0.573	0.004	127.903	TRUE	2.54E-28
Overall COPD	NEDD4	rs181577594	C	A	-0.219	0.019	0.045	9.30E-30	-0.022	0.019	0.241	0.004	128.366	TRUE	6.47E-28
Overall COPD	NEDD4	rs184488594	T	C	0.308	0.055	0.013	1.79E-08	0.010	0.038	0.783	0.001	31.704	TRUE	3.83E-08
Overall COPD	NEDD4	rs28472908	A	G	0.222	0.011	0.368	7.46E-95	-0.011	0.007	0.149	0.013	426.934	TRUE	1.60E-89
Overall COPD	NEDD4	rs28655042	C	A	0.142	0.024	0.033	1.57E-09	0.013	0.027	0.614	0.001	36.443	TRUE	4.65E-09
Overall COPD	NEDD4	rs33999564	T	C	-0.067	0.011	0.158	7.90E-10	0.001	0.009	0.886	0.001	37.783	TRUE	1.64E-09
Overall COPD	NEDD4	rs4774239	A	T	0.061	0.008	0.340	3.23E-13	0.007	0.007	0.320	0.002	53.062	TRUE	2.50E-12
Overall COPD	NEDD4	rs56109562	C	G	-0.151	0.013	0.099	6.88E-30	0.010	0.011	0.371	0.004	128.964	TRUE	2.86E-28
Overall COPD	NEDD4	rs622097	T	C	-0.051	0.008	0.332	2.38E-09	-0.013	0.007	0.056	0.001	35.636	TRUE	2.84E-08
Overall COPD	NEDD4	rs72732212	T	C	0.206	0.025	0.034	8.26E-17	-0.013	0.021	0.533	0.002	69.341	TRUE	5.82E-16
Overall COPD	NEDD4	rs76453161	C	T	0.148	0.026	0.025	2.42E-08	0.004	0.018	0.835	0.001	31.119	TRUE	4.80E-08
Overall COPD	NEDD4	rs77808902	G	A	0.734	0.132	0.011	3.00E-08	0.010	0.036	0.784	0.001	30.708	TRUE	6.27E-08
Overall COPD	NEDD4	rs8043287	C	T	-0.221	0.009	0.281	5.63E-137	0.019	0.008	0.020	0.019	620.527	TRUE	6.42E-128
Overall COPD	NEDD4	rs933998	C	A	-0.126	0.012	0.133	1.10E-26	0.018	0.010	0.068	0.004	114.328	TRUE	1.72E-24
Overall COPD	NEU1	rs3101018	T	C	-0.193	0.022	0.102	7.62E-18	0.037	0.011	0.001	0.002	74.045	TRUE	2.50E-15
Overall COPD	NEU1	rs494620	A	G	0.089	0.012	0.423	2.95E-13	0.006	0.007	0.385	0.002	53.237	TRUE	1.97E-12
Overall COPD	NFATC4	rs28365903	G	C	-0.095	0.010	0.179	1.12E-19	0.019	0.009	0.028	0.003	82.371	TRUE	1.13E-17
Overall COPD	NLRC4	rs10084280	A	G	0.105	0.014	0.089	5.27E-14	-0.004	0.012	0.755	0.002	56.623	TRUE	1.88E-13
Overall COPD	NLRC4	rs111339293	G	A	0.140	0.019	0.055	1.29E-13	0.007	0.015	0.628	0.002	54.858	TRUE	5.55E-13
Overall COPD	NLRC4	rs115802207	G	A	-0.206	0.030	0.020	1.12E-11	0.010	0.029	0.721	0.001	46.101	TRUE	3.45E-11
Overall COPD	NLRC4	rs11675297	A	G	-0.107	0.019	0.047	1.78E-08	-0.013	0.016	0.423	0.001	31.722	TRUE	6.30E-08
Overall COPD	NLRC4	rs11894627	G	A	0.060	0.008	0.440	5.16E-14	0.008	0.007	0.221	0.002	56.664	TRUE	5.88E-13
Overall COPD	NLRC4	rs140818414	C	T	0.100	0.017	0.064	6.74E-09	-0.007	0.014	0.591	0.001	33.608	TRUE	1.93E-08
Overall COPD	NLRC4	rs141211816	T	C	-0.217	0.035	0.017	4.48E-10	-0.015	0.024	0.536	0.001	38.888	TRUE	1.58E-09
Overall COPD	NLRC4	rs176412	T	G	0.121	0.018	0.060	3.34E-11	0.009	0.016	0.591	0.001	43.962	TRUE	1.21E-10
Overall COPD	NLRC4	rs189856184	A	G	0.129	0.019	0.052	9.80E-12	-0.038	0.014	0.008	0.001	46.365	TRUE	4.04E-10
Overall COPD	NLRC4	rs190291300	G	A	-0.216	0.028	0.026	1.23E-14	0.012	0.023	0.610	0.002	59.487	TRUE	6.00E-14
Overall COPD	NLRC4	rs1971205	G	T	-0.089	0.016	0.070	9.48E-09	0.035	0.014	0.012	0.001	32.943	TRUE	1.77E-07
Overall COPD	NLRC4	rs3769611	A	G	-0.097	0.010	0.207	5.70E-23	0.005	0.009	0.582	0.003	97.383	TRUE	6.47E-22
Overall COPD	NLRC4	rs385076	T	C	-0.240	0.008	0.375	2.51E-193	0.015	0.007	0.038	0.027	879.664	TRUE	1.69E-181
Overall COPD	NLRC4	rs4952224	G	A	0.127	0.019	0.045	3.35E-11	-0.004	0.016	0.783	0.001	43.959	TRUE	9.01E-11

Overall COPD	NLRC4	rs61045200	G	A	0.082	0.015	0.084	2.57E-08	-0.022	0.012	0.075	0.001	31.005	TRUE	2.23E-07
Overall COPD	NLRC4	rs62142413	G	A	0.107	0.011	0.198	1.61E-22	-0.001	0.009	0.920	0.003	95.330	TRUE	8.27E-22
Overall COPD	NLRC4	rs71446010	C	T	-0.130	0.015	0.076	2.88E-17	0.017	0.013	0.184	0.002	71.422	TRUE	5.76E-16
Overall COPD	NLRC4	rs7599125	G	A	-0.077	0.008	0.460	7.24E-22	0.016	0.007	0.022	0.003	92.350	TRUE	1.20E-19
Overall COPD	NLRC4	rs7607030	C	T	-0.100	0.013	0.112	1.68E-15	-0.009	0.011	0.373	0.002	63.399	TRUE	1.49E-14
Overall COPD	NLRC4	rs78926455	G	T	-0.203	0.022	0.041	1.91E-20	0.043	0.017	0.010	0.003	85.875	TRUE	3.86E-18
Overall COPD	NLRC4	rs927090	G	C	-0.065	0.011	0.163	1.57E-09	0.011	0.010	0.258	0.001	36.448	TRUE	8.83E-09
Overall COPD	NMT1	rs138144764	A	G	-0.167	0.013	0.127	7.33E-38	0.006	0.010	0.560	0.005	165.430	TRUE	3.53E-36
Overall COPD	NMT1	rs142157644	A	G	-0.125	0.022	0.042	2.12E-08	-0.018	0.016	0.248	0.001	31.376	TRUE	1.05E-07
Overall COPD	NMT1	rs3785891	T	C	0.067	0.009	0.357	1.52E-13	-0.004	0.007	0.520	0.002	54.547	TRUE	7.88E-13
Overall COPD	NMT1	rs4986169	G	A	-0.084	0.009	0.495	8.02E-19	-0.007	0.007	0.333	0.002	78.491	TRUE	1.15E-17
Overall COPD	NMT1	rs78336821	C	T	-0.145	0.025	0.032	5.91E-09	-0.051	0.018	0.004	0.001	33.863	TRUE	1.64E-07
Overall COPD	NMT1	rs79558295	G	A	-0.377	0.067	0.015	1.63E-08	-0.002	0.034	0.964	0.001	31.884	TRUE	2.79E-08
Overall COPD	NMT1	rs8064331	T	C	-0.066	0.010	0.245	5.22E-11	0.002	0.008	0.840	0.001	43.088	TRUE	1.27E-10
Overall COPD	NMT1	rs894685	G	A	-0.076	0.010	0.253	3.84E-14	0.006	0.008	0.497	0.002	57.247	TRUE	2.22E-13
Overall COPD	NMT1	rs9893429	C	G	0.124	0.011	0.191	2.41E-29	0.017	0.008	0.050	0.004	126.478	TRUE	6.97E-27
Overall COPD	NOD2	rs112082457	T	C	0.568	0.027	0.027	2.57E-99	0.002	0.019	0.930	0.014	447.438	TRUE	7.42E-96
Overall COPD	NOD2	rs115961867	G	C	0.395	0.057	0.028	5.28E-12	-0.004	0.032	0.903	0.001	47.577	TRUE	1.27E-11
Overall COPD	NOD2	rs117499698	G	T	0.778	0.078	0.016	1.44E-23	-0.009	0.026	0.737	0.003	100.102	TRUE	1.20E-22
Overall COPD	NOD2	rs117586700	G	A	-0.295	0.039	0.015	3.09E-14	0.061	0.028	0.031	0.002	57.674	TRUE	1.17E-12
Overall COPD	NOD2	rs117757375	G	A	0.287	0.037	0.015	5.44E-15	-0.046	0.028	0.103	0.002	61.092	TRUE	1.19E-13
Overall COPD	NOD2	rs117805257	A	G	-0.175	0.025	0.028	3.75E-12	-0.006	0.019	0.747	0.002	48.246	TRUE	1.16E-11
Overall COPD	NOD2	rs12445645	A	T	0.076	0.011	0.147	1.39E-11	0.001	0.010	0.901	0.001	45.681	TRUE	3.24E-11
Overall COPD	NOD2	rs12919875	C	T	-0.312	0.009	0.387	1.93E-247	0.000	0.008	0.956	0.034	1128.605	TRUE	2.86E-237
Overall COPD	NOD2	rs12925755	A	C	-0.175	0.008	0.347	1.19E-97	-0.004	0.007	0.616	0.014	439.789	TRUE	1.28E-93
Overall COPD	NOD2	rs12928005	G	C	0.103	0.009	0.244	2.17E-28	0.011	0.008	0.193	0.004	122.113	TRUE	1.64E-26
Overall COPD	NOD2	rs12928717	G	A	-0.060	0.008	0.457	4.96E-14	0.000	0.007	0.958	0.002	56.742	TRUE	1.27E-13
Overall COPD	NOD2	rs142220370	T	C	0.431	0.068	0.014	2.43E-10	-0.010	0.041	0.817	0.001	40.081	TRUE	5.80E-10
Overall COPD	NOD2	rs144167849	A	C	0.555	0.050	0.015	2.41E-28	0.010	0.029	0.726	0.004	121.909	TRUE	3.09E-27
Overall COPD	NOD2	rs1548994	A	C	0.216	0.019	0.047	1.28E-30	-0.007	0.019	0.706	0.004	132.306	TRUE	2.10E-29
Overall COPD	NOD2	rs1566045	C	T	-0.136	0.011	0.163	1.82E-35	0.011	0.010	0.257	0.005	154.472	TRUE	2.21E-33
Overall COPD	NOD2	rs1567151	T	C	0.211	0.034	0.018	2.94E-10	0.005	0.028	0.856	0.001	39.713	TRUE	6.59E-10
Overall COPD	NOD2	rs16948441	T	C	0.220	0.024	0.036	6.80E-21	-0.014	0.017	0.406	0.003	87.919	TRUE	9.91E-20
Overall COPD	NOD2	rs16948613	C	T	-0.205	0.022	0.036	6.49E-20	-0.005	0.019	0.803	0.003	83.457	TRUE	3.47E-19
Overall COPD	NOD2	rs17249128	A	G	-0.047	0.008	0.476	3.07E-09	0.000	0.007	0.997	0.001	35.137	TRUE	5.29E-09
Overall COPD	NOD2	rs1861756	T	C	0.158	0.016	0.071	2.04E-23	-0.007	0.011	0.536	0.003	99.414	TRUE	2.71E-22
Overall COPD	NOD2	rs188763839	A	G	-0.223	0.034	0.016	8.98E-11	0.038	0.026	0.147	0.001	42.029	TRUE	8.47E-10
Overall COPD	NOD2	rs2193100	A	G	-0.224	0.032	0.020	4.15E-12	-0.086	0.029	0.003	0.002	48.050	TRUE	2.70E-10
Overall COPD	NOD2	rs34609432	T	C	0.948	0.049	0.015	3.73E-85	-0.019	0.025	0.446	0.012	382.381	TRUE	2.82E-81
Overall COPD	NOD2	rs35003370	C	T	0.084	0.010	0.221	1.33E-18	-0.006	0.009	0.478	0.002	77.498	TRUE	1.26E-17
Overall COPD	NOD2	rs35335464	G	A	0.217	0.029	0.025	7.67E-14	-0.016	0.020	0.424	0.002	55.884	TRUE	5.01E-13
Overall COPD	NOD2	rs35835122	A	G	0.191	0.021	0.049	6.58E-20	0.005	0.016	0.764	0.003	83.432	TRUE	3.80E-19

Overall COPD	NOD2	rs35929296	C	T	0.186	0.026	0.027	8.68E-13	0.020	0.028	0.469	0.002	51.120	TRUE	4.61E-12
Overall COPD	NOD2	rs4785217	G	A	-0.154	0.016	0.069	6.24E-23	-0.007	0.014	0.595	0.003	97.202	TRUE	6.84E-22
Overall COPD	NOD2	rs4785434	T	C	0.301	0.017	0.055	4.70E-67	0.019	0.016	0.253	0.009	299.271	TRUE	1.78E-63
Overall COPD	NOD2	rs4785480	T	C	-0.141	0.010	0.200	7.46E-46	-0.023	0.008	0.007	0.006	202.038	TRUE	1.10E-41
Overall COPD	NOD2	rs61554960	C	T	0.047	0.008	0.538	3.29E-09	0.006	0.007	0.421	0.001	35.004	TRUE	1.28E-08
Overall COPD	NOD2	rs62028300	A	G	0.107	0.009	0.345	3.78E-32	0.011	0.007	0.131	0.004	139.297	TRUE	6.70E-30
Overall COPD	NOD2	rs62028310	A	G	0.084	0.009	0.252	2.78E-20	0.000	0.008	0.954	0.003	85.132	TRUE	1.13E-19
Overall COPD	NOD2	rs62029062	T	C	-0.258	0.030	0.021	2.99E-18	-0.010	0.026	0.692	0.002	75.894	TRUE	1.73E-17
Overall COPD	NOD2	rs62029864	A	G	-0.329	0.009	0.256	9.35E-298	-0.003	0.008	0.702	0.041	1360.115	TRUE	5.82E-284
Overall COPD	NOD2	rs62029929	C	A	0.194	0.013	0.095	5.96E-47	-0.010	0.013	0.461	0.006	207.067	TRUE	9.70E-45
Overall COPD	NOD2	rs62029996	T	C	-0.074	0.008	0.336	1.80E-18	0.016	0.008	0.029	0.002	76.891	TRUE	1.46E-16
Overall COPD	NOD2	rs62030036	C	T	-0.182	0.022	0.039	6.68E-17	-0.011	0.017	0.520	0.002	69.762	TRUE	4.87E-16
Overall COPD	NOD2	rs6500319	T	C	0.368	0.048	0.016	1.99E-14	-0.037	0.031	0.233	0.002	58.540	TRUE	2.30E-13
Overall COPD	NOD2	rs66834991	T	C	0.175	0.027	0.026	5.71E-11	0.004	0.019	0.817	0.001	42.916	TRUE	1.43E-10
Overall COPD	NOD2	rs67921626	G	T	-0.364	0.020	0.043	2.37E-77	-0.036	0.018	0.045	0.011	346.541	TRUE	3.97E-72
Overall COPD	NOD2	rs7186882	A	G	-0.086	0.012	0.129	4.08E-13	0.022	0.010	0.031	0.002	52.603	TRUE	1.26E-11
Overall COPD	NOD2	rs7189450	G	A	0.128	0.016	0.070	3.58E-16	-0.031	0.014	0.024	0.002	66.451	TRUE	2.19E-14
Overall COPD	NOD2	rs7190107	A	T	-0.109	0.016	0.106	1.86E-11	-0.022	0.012	0.076	0.001	45.107	TRUE	2.80E-10
Overall COPD	NOD2	rs7198678	T	A	0.164	0.011	0.157	2.25E-51	-0.007	0.009	0.417	0.007	227.342	TRUE	6.79E-49
Overall COPD	NOD2	rs7202124	G	A	0.785	0.008	0.280	0.00E+00	-0.019	0.007	0.013	0.248	10466.765	TRUE	0.00E+00
Overall COPD	NOD2	rs7202460	A	G	0.176	0.008	0.448	3.34E-96	0.008	0.007	0.247	0.013	433.129	TRUE	3.09E-91
Overall COPD	NOD2	rs72786297	T	G	-0.155	0.024	0.030	9.79E-11	-0.026	0.017	0.119	0.001	41.861	TRUE	1.03E-09
Overall COPD	NOD2	rs72787378	A	G	0.143	0.020	0.040	3.03E-12	0.000	0.016	0.988	0.002	48.667	TRUE	6.51E-12
Overall COPD	NOD2	rs72788205	C	A	0.124	0.013	0.108	4.81E-22	0.017	0.011	0.132	0.003	93.159	TRUE	2.35E-20
Overall COPD	NOD2	rs72790315	C	A	0.711	0.048	0.022	4.11E-50	0.009	0.027	0.742	0.007	221.555	TRUE	3.27E-48
Overall COPD	NOD2	rs72796118	G	T	-0.227	0.040	0.015	1.54E-08	0.007	0.038	0.853	0.001	31.995	TRUE	3.03E-08
Overall COPD	NOD2	rs72796346	T	C	-0.183	0.031	0.019	3.00E-09	-0.001	0.022	0.971	0.001	35.181	TRUE	5.35E-09
Overall COPD	NOD2	rs72797822	T	C	-0.157	0.019	0.055	6.95E-17	0.002	0.013	0.909	0.002	69.681	TRUE	2.39E-16
Overall COPD	NOD2	rs74017804	T	A	0.191	0.017	0.059	1.03E-29	-0.005	0.014	0.710	0.004	128.166	TRUE	1.55E-28
Overall COPD	NOD2	rs74403112	T	C	-0.232	0.020	0.049	1.74E-30	0.007	0.018	0.713	0.004	131.690	TRUE	2.78E-29
Overall COPD	NOD2	rs74460821	A	G	-0.217	0.025	0.033	1.45E-18	-0.003	0.020	0.895	0.002	77.323	TRUE	5.80E-18
Overall COPD	NOD2	rs74477363	T	C	-0.265	0.023	0.033	4.21E-30	0.006	0.019	0.743	0.004	129.939	TRUE	6.01E-29
Overall COPD	NOD2	rs75160718	T	C	0.708	0.021	0.039	2.18E-245	-0.022	0.017	0.198	0.034	1119.161	TRUE	2.56E-232
Overall COPD	NOD2	rs75489898	A	G	-0.169	0.018	0.057	2.21E-21	0.018	0.015	0.224	0.003	90.145	TRUE	6.25E-20
Overall COPD	NOD2	rs75925741	C	G	-0.328	0.059	0.020	3.25E-08	0.022	0.022	0.316	0.001	30.550	TRUE	1.35E-07
Overall COPD	NOD2	rs76237196	T	C	0.712	0.122	0.017	5.49E-09	-0.021	0.047	0.652	0.001	34.006	TRUE	1.46E-08
Overall COPD	NOD2	rs76667099	C	T	0.584	0.076	0.017	1.59E-14	0.029	0.061	0.637	0.002	58.979	TRUE	7.32E-14
Overall COPD	NOD2	rs77162648	A	G	0.099	0.017	0.066	2.73E-09	0.004	0.012	0.777	0.001	35.362	TRUE	6.30E-09
Overall COPD	NOD2	rs8047222	G	A	0.193	0.008	0.333	8.21E-117	0.005	0.007	0.517	0.016	527.834	TRUE	1.04E-111
Overall COPD	NOD2	rs8050612	A	G	-0.119	0.012	0.116	1.75E-21	0.005	0.012	0.648	0.003	90.605	TRUE	1.49E-20
Overall COPD	NOD2	rs9302755	A	C	0.057	0.008	0.417	1.09E-12	0.002	0.007	0.762	0.002	50.668	TRUE	3.44E-12
Overall COPD	NQO1	rs11537663	A	T	-0.100	0.017	0.065	2.22E-09	0.018	0.013	0.165	0.001	35.768	TRUE	1.59E-08

Overall COPD	NQO1	rs13333427	G	A	0.222	0.019	0.044	2.49E-30	-0.002	0.015	0.898	0.004	130.981	TRUE	2.46E-29
Overall COPD	NQO1	rs2917667	A	G	0.364	0.012	0.133	9.22E-200	0.028	0.010	0.006	0.028	909.267	TRUE	4.22E-186
Overall COPD	NQO1	rs35921615	C	T	0.101	0.015	0.077	4.57E-11	0.008	0.012	0.511	0.001	43.349	TRUE	1.87E-10
Overall COPD	NQO1	rs7193221	G	C	-0.077	0.008	0.369	5.93E-21	0.014	0.007	0.045	0.003	88.189	TRUE	5.47E-19
Overall COPD	NQO1	rs7499710	C	A	0.105	0.010	0.269	8.19E-28	-0.001	0.008	0.903	0.004	119.479	TRUE	6.58E-27
Overall COPD	NQO1	rs77972055	C	T	0.372	0.029	0.024	1.15E-37	0.016	0.023	0.478	0.005	164.542	TRUE	7.14E-36
Overall COPD	NQO1	rs9922520	A	G	-0.092	0.009	0.328	2.06E-24	-0.014	0.007	0.067	0.003	103.960	TRUE	2.39E-22
Overall COPD	NQO1	rs9929531	C	T	0.062	0.010	0.289	1.53E-09	0.005	0.008	0.507	0.001	36.494	TRUE	5.35E-09
Overall COPD	NR4A2	rs297588	A	G	-0.089	0.009	0.288	3.61E-24	0.039	0.008	1.74E-06	0.003	102.846	TRUE	5.02E-20
Overall COPD	NR4A2	rs298244	C	T	0.070	0.009	0.237	8.74E-14	-0.012	0.008	0.132	0.002	55.627	TRUE	1.37E-12
Overall COPD	ORMDL3	rs1009727	A	G	-0.056	0.009	0.305	1.48E-10	-0.001	0.007	0.861	0.001	41.052	TRUE	3.38E-10
Overall COPD	ORMDL3	rs10305287	C	A	-0.299	0.042	0.016	1.66E-12	-0.004	0.027	0.871	0.002	49.852	TRUE	4.33E-12
Overall COPD	ORMDL3	rs10305295	G	T	0.184	0.022	0.038	2.93E-17	-0.030	0.023	0.189	0.002	71.384	TRUE	5.76E-16
Overall COPD	ORMDL3	rs11078892	T	C	0.075	0.010	0.473	5.24E-14	0.005	0.008	0.484	0.002	56.634	TRUE	3.07E-13
Overall COPD	ORMDL3	rs11078916	T	C	0.340	0.009	0.291	0.00E+00	0.025	0.008	0.002	0.048	1587.200	TRUE	0.00E+00
Overall COPD	ORMDL3	rs112433793	G	A	0.097	0.013	0.135	1.00E-14	0.003	0.010	0.760	0.002	59.888	TRUE	3.77E-14
Overall COPD	ORMDL3	rs113235009	G	T	-0.097	0.015	0.076	1.23E-10	0.016	0.012	0.212	0.001	41.412	TRUE	9.14E-10
Overall COPD	ORMDL3	rs113557550	T	C	0.143	0.019	0.050	1.16E-13	0.006	0.015	0.688	0.002	55.065	TRUE	4.52E-13
Overall COPD	ORMDL3	rs113930796	C	T	0.428	0.025	0.030	3.00E-64	0.035	0.020	0.076	0.009	286.397	TRUE	5.02E-60
Overall COPD	ORMDL3	rs11652139	G	A	-0.353	0.008	0.403	0.00E+00	-0.031	0.007	8.07E-06	0.059	1979.006	TRUE	0.00E+00
Overall COPD	ORMDL3	rs11653687	G	T	-0.070	0.012	0.369	2.46E-09	-0.002	0.008	0.822	0.001	35.570	TRUE	5.36E-09
Overall COPD	ORMDL3	rs117270499	G	A	-0.468	0.030	0.024	2.91E-54	-0.011	0.019	0.573	0.008	240.582	TRUE	6.15E-52
Overall COPD	ORMDL3	rs117302117	T	C	-0.192	0.034	0.017	1.72E-08	-0.012	0.026	0.643	0.001	31.783	TRUE	4.42E-08
Overall COPD	ORMDL3	rs117362920	C	A	0.404	0.030	0.023	1.89E-41	0.059	0.019	0.002	0.006	181.860	TRUE	3.33E-37
Overall COPD	ORMDL3	rs117504211	C	A	-0.391	0.017	0.068	6.33E-114	-0.024	0.013	0.068	0.016	514.569	TRUE	5.22E-107
Overall COPD	ORMDL3	rs117620922	G	A	0.278	0.029	0.026	6.60E-22	0.037	0.024	0.130	0.003	92.535	TRUE	3.21E-20
Overall COPD	ORMDL3	rs118017471	A	G	0.492	0.032	0.021	8.81E-53	0.029	0.023	0.197	0.007	233.793	TRUE	1.04E-49
Overall COPD	ORMDL3	rs118034841	T	C	-0.689	0.034	0.021	2.61E-91	-0.017	0.022	0.444	0.013	410.652	TRUE	3.72E-87
Overall COPD	ORMDL3	rs118036166	G	A	0.399	0.034	0.018	1.47E-31	0.008	0.027	0.767	0.004	136.600	TRUE	2.23E-30
Overall COPD	ORMDL3	rs118082529	T	C	0.275	0.050	0.016	4.88E-08	0.014	0.031	0.642	0.001	29.764	TRUE	1.20E-07
Overall COPD	ORMDL3	rs118132312	G	A	-0.417	0.044	0.016	3.41E-21	-0.011	0.025	0.668	0.003	89.286	TRUE	2.70E-20
Overall COPD	ORMDL3	rs11868060	G	A	-0.379	0.029	0.027	1.77E-38	-0.020	0.020	0.308	0.005	168.252	TRUE	2.35E-36
Overall COPD	ORMDL3	rs12450388	C	T	-0.064	0.009	0.426	1.81E-13	-0.029	0.007	7.33E-05	0.002	54.193	TRUE	5.07E-11
Overall COPD	ORMDL3	rs12946162	T	C	-0.093	0.012	0.133	9.01E-14	-0.017	0.010	0.102	0.002	55.567	TRUE	1.66E-12
Overall COPD	ORMDL3	rs12946335	T	C	-0.672	0.031	0.019	3.98E-101	0.016	0.027	0.535	0.014	455.752	TRUE	9.23E-97
Overall COPD	ORMDL3	rs138914307	T	C	0.277	0.044	0.015	2.79E-10	0.034	0.031	0.267	0.001	39.816	TRUE	1.70E-09
Overall COPD	ORMDL3	rs139014900	T	C	-0.233	0.028	0.031	6.44E-17	0.004	0.022	0.850	0.002	69.832	TRUE	2.47E-16
Overall COPD	ORMDL3	rs142899349	C	T	-1.010	0.058	0.019	2.53E-67	-0.049	0.031	0.111	0.009	300.512	TRUE	3.61E-63
Overall COPD	ORMDL3	rs143669790	A	G	0.481	0.031	0.027	9.23E-54	0.037	0.020	0.065	0.007	238.286	TRUE	5.07E-50
Overall COPD	ORMDL3	rs143700374	T	G	-0.406	0.064	0.013	2.16E-10	-0.033	0.035	0.344	0.001	40.315	TRUE	1.12E-09
Overall COPD	ORMDL3	rs143706978	C	T	0.437	0.038	0.016	1.18E-30	0.017	0.028	0.533	0.004	132.467	TRUE	3.14E-29
Overall COPD	ORMDL3	rs1467258	G	A	-0.177	0.012	0.134	3.53E-50	-0.020	0.010	0.044	0.007	221.859	TRUE	1.87E-46

Overall COPD	ORMDL3	rs146767035	A	G	-0.385	0.028	0.028	2.37E-44	-0.036	0.020	0.076	0.006	195.153	TRUE	3.38E-41
Overall COPD	ORMDL3	rs146890554	T	C	0.354	0.039	0.015	3.09E-19	0.009	0.028	0.750	0.003	80.374	TRUE	1.73E-18
Overall COPD	ORMDL3	rs148116769	T	G	-0.390	0.049	0.021	2.29E-15	0.052	0.030	0.086	0.002	62.799	TRUE	5.93E-14
Overall COPD	ORMDL3	rs150597587	C	T	-0.435	0.020	0.049	5.81E-102	-0.029	0.015	0.049	0.014	459.595	TRUE	1.83E-95
Overall COPD	ORMDL3	rs1558284	G	T	0.097	0.015	0.077	2.04E-10	0.001	0.014	0.913	0.001	40.422	TRUE	4.29E-10
Overall COPD	ORMDL3	rs16537	T	C	-0.148	0.014	0.126	5.38E-25	0.015	0.011	0.186	0.003	106.620	TRUE	2.81E-23
Overall COPD	ORMDL3	rs186413878	C	T	-0.674	0.097	0.021	3.42E-12	-0.075	0.065	0.255	0.002	48.430	TRUE	2.77E-11
Overall COPD	ORMDL3	rs192665233	A	C	0.429	0.020	0.047	7.64E-103	0.000	0.019	0.997	0.014	463.641	TRUE	2.24E-99
Overall COPD	ORMDL3	rs2071427	T	C	0.098	0.010	0.257	1.19E-23	0.015	0.008	0.049	0.003	100.478	TRUE	1.56E-21
Overall COPD	ORMDL3	rs2301775	G	A	-0.167	0.013	0.127	2.39E-39	-0.013	0.011	0.234	0.005	172.235	TRUE	5.04E-37
Overall COPD	ORMDL3	rs34585058	A	G	-0.088	0.016	0.097	2.39E-08	-0.012	0.012	0.291	0.001	31.146	TRUE	1.06E-07
Overall COPD	ORMDL3	rs35797841	T	C	0.412	0.019	0.049	2.30E-102	0.012	0.017	0.462	0.014	461.439	TRUE	9.19E-98
Overall COPD	ORMDL3	rs3764354	T	C	-0.768	0.011	0.128	0.00E+00	-0.021	0.010	0.026	0.129	4685.811	TRUE	0.00E+00
Overall COPD	ORMDL3	rs4795372	C	T	0.151	0.027	0.051	1.56E-08	-0.088	0.094	0.350	0.001	31.979	TRUE	6.33E-08
Overall COPD	ORMDL3	rs482284	A	G	-0.102	0.009	0.287	2.51E-30	-0.009	0.008	0.241	0.004	130.960	TRUE	1.87E-28
Overall COPD	ORMDL3	rs506728	C	G	-0.105	0.010	0.200	5.57E-26	-0.019	0.009	0.032	0.003	111.113	TRUE	1.38E-23
Overall COPD	ORMDL3	rs55957019	G	A	0.458	0.018	0.050	2.10E-137	0.014	0.015	0.355	0.019	622.493	TRUE	7.41E-131
Overall COPD	ORMDL3	rs580506	A	G	-0.160	0.015	0.076	2.51E-25	0.038	0.017	0.022	0.003	108.127	TRUE	7.14E-23
Overall COPD	ORMDL3	rs62065218	T	C	0.352	0.048	0.017	1.69E-13	0.048	0.033	0.152	0.002	54.331	TRUE	2.33E-12
Overall COPD	ORMDL3	rs62077536	T	C	-0.369	0.032	0.020	3.45E-30	-0.026	0.027	0.337	0.004	130.331	TRUE	1.68E-28
Overall COPD	ORMDL3	rs658542	T	C	-0.152	0.011	0.153	5.74E-43	-0.004	0.009	0.698	0.006	188.815	TRUE	2.82E-41
Overall COPD	ORMDL3	rs7217240	T	C	0.486	0.010	0.198	0.00E+00	0.006	0.008	0.465	0.074	2532.299	TRUE	0.00E+00
Overall COPD	ORMDL3	rs72819670	G	A	-0.323	0.036	0.017	1.47E-19	0.009	0.023	0.682	0.003	81.847	TRUE	9.74E-19
Overall COPD	ORMDL3	rs72819672	A	G	-0.208	0.018	0.052	2.20E-29	-0.028	0.015	0.054	0.004	126.658	TRUE	6.01E-27
Overall COPD	ORMDL3	rs72823325	G	C	0.082	0.009	0.274	1.68E-18	0.003	0.007	0.700	0.002	77.031	TRUE	9.78E-18
Overall COPD	ORMDL3	rs72825152	T	C	-0.459	0.054	0.013	1.41E-17	-0.029	0.036	0.426	0.002	72.825	TRUE	1.37E-16
Overall COPD	ORMDL3	rs72825191	A	G	0.322	0.047	0.020	6.61E-12	0.052	0.026	0.051	0.001	47.136	TRUE	1.31E-10
Overall COPD	ORMDL3	rs72825201	C	A	-0.285	0.017	0.065	1.28E-63	-0.015	0.014	0.283	0.009	283.514	TRUE	2.74E-60
Overall COPD	ORMDL3	rs72832915	A	G	-0.340	0.009	0.311	0.00E+00	-0.027	0.007	2.69E-04	0.044	1455.578	TRUE	1.74E-294
Overall COPD	ORMDL3	rs72832993	A	C	0.346	0.017	0.070	2.45E-94	0.041	0.013	0.002	0.013	424.555	TRUE	1.37E-86
Overall COPD	ORMDL3	rs72834789	C	T	0.204	0.012	0.129	4.37E-67	-0.008	0.010	0.410	0.009	299.416	TRUE	6.55E-64
Overall COPD	ORMDL3	rs72836603	A	C	-0.402	0.033	0.020	1.08E-34	-0.033	0.027	0.222	0.005	150.927	TRUE	1.45E-32
Overall COPD	ORMDL3	rs72836619	T	G	-0.340	0.023	0.037	7.54E-50	-0.018	0.017	0.273	0.007	220.348	TRUE	3.98E-47
Overall COPD	ORMDL3	rs75646943	T	C	-0.352	0.028	0.026	6.05E-37	0.010	0.021	0.630	0.005	161.234	TRUE	2.15E-35
Overall COPD	ORMDL3	rs757319	G	C	0.212	0.021	0.036	6.38E-23	-0.012	0.017	0.466	0.003	97.158	TRUE	9.71E-22
Overall COPD	ORMDL3	rs75905358	C	G	0.245	0.010	0.210	1.61E-140	0.032	0.008	9.54E-05	0.020	636.827	TRUE	2.10E-128
Overall COPD	ORMDL3	rs76555104	A	G	-0.740	0.036	0.017	1.35E-92	0.019	0.030	0.531	0.013	416.558	TRUE	1.37E-88
Overall COPD	ORMDL3	rs77107066	T	C	-0.095	0.013	0.131	5.16E-14	-0.004	0.011	0.712	0.002	56.664	TRUE	1.99E-13
Overall COPD	ORMDL3	rs77812225	A	G	-0.197	0.030	0.020	8.27E-11	-0.036	0.023	0.119	0.001	42.190	TRUE	8.82E-10
Overall COPD	ORMDL3	rs78581969	T	C	0.104	0.014	0.087	2.78E-13	0.006	0.011	0.574	0.002	53.354	TRUE	1.27E-12
Overall COPD	ORMDL3	rs79010101	T	C	0.210	0.019	0.049	4.48E-28	0.009	0.014	0.537	0.004	120.677	TRUE	9.24E-27
Overall COPD	ORMDL3	rs79730542	C	T	-0.249	0.029	0.023	4.09E-18	0.004	0.024	0.857	0.002	75.272	TRUE	1.70E-17

Overall COPD	ORMDL3	rs8065040	G	A	0.063	0.008	0.449	2.21E-15	0.004	0.007	0.572	0.002	62.862	TRUE	1.25E-14
Overall COPD	ORMDL3	rs8075931	T	C	-0.245	0.038	0.016	1.11E-10	-0.006	0.030	0.849	0.001	41.610	TRUE	2.61E-10
Overall COPD	ORMDL3	rs9914748	G	A	-0.048	0.008	0.388	3.55E-09	-0.004	0.007	0.566	0.001	34.855	TRUE	1.09E-08
Overall COPD	OSBPL7	rs1008934	G	C	-0.151	0.017	0.062	3.51E-18	-0.010	0.015	0.502	0.002	75.577	TRUE	3.03E-17
Overall COPD	OSBPL7	rs1018903	G	A	-0.115	0.008	0.456	1.94E-47	-0.018	0.007	0.011	0.007	209.299	TRUE	2.51E-43
Overall COPD	OSBPL7	rs59386258	C	T	-0.055	0.009	0.281	3.72E-10	-0.014	0.007	0.066	0.001	39.253	TRUE	4.77E-09
Overall COPD	OSBPL7	rs75717806	A	G	0.064	0.010	0.210	6.75E-11	0.012	0.008	0.151	0.001	42.586	TRUE	6.39E-10
Overall COPD	OSBPL7	rs76142347	T	C	-0.167	0.025	0.030	2.27E-11	0.019	0.020	0.334	0.001	44.716	TRUE	1.36E-10
Overall COPD	PAFAH1B2	rs10892000	G	T	-0.080	0.014	0.215	2.45E-08	0.012	0.008	0.148	0.001	31.101	TRUE	1.57E-07
Overall COPD	PAFAH1B2	rs10892010	C	A	0.127	0.018	0.118	4.27E-12	0.012	0.010	0.243	0.002	47.991	TRUE	3.54E-11
Overall COPD	PAFAH1B2	rs116995028	T	C	-0.658	0.091	0.015	5.06E-13	-0.083	0.030	0.006	0.002	52.177	TRUE	3.17E-11
Overall COPD	PAFAH1B2	rs12287066	T	G	0.289	0.024	0.066	4.07E-34	0.013	0.013	0.328	0.005	148.294	TRUE	3.11E-32
Overall COPD	PAFAH1B2	rs138378173	A	G	0.352	0.049	0.019	9.18E-13	0.050	0.026	0.057	0.002	51.008	TRUE	1.99E-11
Overall COPD	PAFAH1B2	rs139663973	C	T	-0.258	0.043	0.019	2.06E-09	0.014	0.024	0.564	0.001	35.916	TRUE	6.49E-09
Overall COPD	PAFAH1B2	rs141414463	T	C	0.305	0.038	0.026	1.78E-15	-0.003	0.021	0.902	0.002	63.288	TRUE	5.57E-15
Overall COPD	PAFAH1B2	rs143791312	T	C	-0.354	0.064	0.015	3.87E-08	0.022	0.032	0.481	0.001	30.211	TRUE	1.21E-07
Overall COPD	PAFAH1B2	rs144646355	A	G	-0.613	0.055	0.017	3.60E-29	-0.002	0.028	0.929	0.004	125.679	TRUE	3.02E-28
Overall COPD	PAFAH1B2	rs17519079	A	G	0.281	0.024	0.064	3.40E-31	0.030	0.015	0.040	0.004	134.932	TRUE	1.52E-28
Overall COPD	PAFAH1B2	rs2216311	G	A	-0.122	0.012	0.392	7.64E-24	-0.011	0.007	0.102	0.003	101.363	TRUE	5.86E-22
Overall COPD	PAFAH1B2	rs2622935	A	G	-0.318	0.014	0.232	4.11E-118	-0.021	0.008	0.009	0.017	533.813	TRUE	1.21E-109
Overall COPD	PAFAH1B2	rs4938355	G	A	0.462	0.016	0.159	2.34E-190	0.022	0.009	0.018	0.027	866.005	TRUE	4.29E-178
Overall COPD	PAFAH1B2	rs522645	A	C	-0.089	0.016	0.248	3.73E-08	-0.005	0.009	0.606	0.001	30.281	TRUE	9.75E-08
Overall COPD	PAFAH1B2	rs528508	C	T	-0.091	0.012	0.374	1.63E-13	-0.004	0.007	0.595	0.002	54.402	TRUE	7.36E-13
Overall COPD	PAFAH1B2	rs61904854	T	G	-0.077	0.014	0.255	1.43E-08	0.009	0.008	0.249	0.001	32.145	TRUE	7.20E-08
Overall COPD	PAFAH1B2	rs61906491	A	G	0.198	0.020	0.123	5.47E-23	0.023	0.010	0.025	0.003	97.463	TRUE	1.01E-20
Overall COPD	PAFAH1B2	rs73014332	G	A	0.206	0.034	0.035	1.01E-09	0.032	0.017	0.055	0.001	37.310	TRUE	1.30E-08
Overall COPD	PAFAH1B2	rs75878244	C	T	0.405	0.056	0.018	5.69E-13	0.011	0.027	0.678	0.002	51.946	TRUE	2.11E-12
Overall COPD	PAFAH1B2	rs79841374	T	C	-0.153	0.019	0.111	4.45E-16	-0.002	0.011	0.858	0.002	66.021	TRUE	1.57E-15
Overall COPD	PIK3C2A	rs10766383	T	G	0.259	0.010	0.284	2.55E-162	0.013	0.007	0.067	0.023	737.059	TRUE	9.18E-153
Overall COPD	PIK3C2A	rs10832703	T	G	0.111	0.017	0.076	1.81E-10	0.026	0.013	0.045	0.001	40.656	TRUE	2.93E-09
Overall COPD	PIK3C2A	rs11024279	T	C	-0.240	0.040	0.018	2.50E-09	-0.022	0.031	0.476	0.001	35.539	TRUE	8.97E-09
Overall COPD	PIK3C2A	rs112478159	A	G	-0.437	0.035	0.021	6.18E-35	0.003	0.023	0.898	0.005	152.039	TRUE	8.78E-34
Overall COPD	PIK3C2A	rs11602048	T	G	-0.465	0.035	0.021	1.99E-39	0.022	0.019	0.252	0.005	172.595	TRUE	3.85E-37
Overall COPD	PIK3C2A	rs117061194	C	T	0.280	0.019	0.063	5.65E-50	0.008	0.013	0.534	0.007	220.926	TRUE	9.24E-48
Overall COPD	PIK3C2A	rs117948565	T	G	0.290	0.027	0.035	2.55E-26	0.008	0.020	0.704	0.004	112.663	TRUE	2.90E-25
Overall COPD	PIK3C2A	rs117961948	A	G	0.286	0.033	0.024	3.66E-18	-0.021	0.025	0.392	0.002	75.490	TRUE	4.14E-17
Overall COPD	PIK3C2A	rs118117634	A	G	0.246	0.033	0.022	1.28E-13	0.009	0.023	0.707	0.002	54.878	TRUE	4.79E-13
Overall COPD	PIK3C2A	rs12421951	C	T	-0.414	0.024	0.039	3.59E-67	0.022	0.016	0.168	0.009	299.810	TRUE	2.71E-63
Overall COPD	PIK3C2A	rs12794277	C	T	-0.153	0.018	0.066	2.50E-17	-0.009	0.014	0.537	0.002	71.703	TRUE	1.83E-16
Overall COPD	PIK3C2A	rs141038443	C	T	0.281	0.032	0.024	1.88E-18	0.019	0.021	0.362	0.002	76.803	TRUE	2.39E-17
Overall COPD	PIK3C2A	rs142345480	A	C	-0.415	0.031	0.023	6.82E-40	-0.009	0.020	0.668	0.005	174.730	TRUE	2.81E-38
Overall COPD	PIK3C2A	rs146715331	T	G	-0.977	0.099	0.011	7.41E-23	-0.043	0.050	0.390	0.003	96.863	TRUE	1.39E-21

Overall COPD	PIK3C2A	rs147866373	G	T	0.291	0.029	0.034	3.90E-24	-0.005	0.022	0.808	0.003	102.691	TRUE	2.91E-23
Overall COPD	PIK3C2A	rs177555	C	T	0.126	0.009	0.336	3.32E-42	0.008	0.007	0.269	0.006	185.324	TRUE	7.92E-40
Overall COPD	PIK3C2A	rs181644989	T	C	-0.167	0.014	0.139	2.10E-32	0.001	0.010	0.893	0.004	140.460	TRUE	2.48E-31
Overall COPD	PIK3C2A	rs2237989	G	T	-0.129	0.012	0.160	1.91E-27	-0.017	0.009	0.058	0.004	117.802	TRUE	3.78E-25
Overall COPD	PIK3C2A	rs34968593	G	T	-0.257	0.023	0.043	8.21E-29	0.012	0.018	0.509	0.004	124.042	TRUE	1.97E-27
Overall COPD	PIK3C2A	rs4757465	G	C	0.198	0.010	0.288	1.28E-92	0.003	0.008	0.729	0.013	416.674	TRUE	4.92E-89
Overall COPD	PIK3C2A	rs55998333	T	C	-0.361	0.032	0.021	6.74E-30	-0.029	0.023	0.211	0.004	129.005	TRUE	5.53E-28
Overall COPD	PIK3C2A	rs61762009	A	G	0.213	0.037	0.017	1.07E-08	0.006	0.030	0.836	0.001	32.705	TRUE	2.18E-08
Overall COPD	PIK3C2A	rs7126760	C	T	-0.116	0.009	0.384	2.29E-38	0.000	0.007	0.948	0.005	167.744	TRUE	3.71E-37
Overall COPD	PIK3C2A	rs7130826	G	T	-0.434	0.009	0.275	0.00E+00	-0.018	0.008	0.015	0.063	2120.952	TRUE	0.00E+00
Overall COPD	PIK3C2A	rs71469371	A	C	0.269	0.016	0.079	1.54E-61	0.002	0.012	0.862	0.009	273.957	TRUE	2.16E-59
Overall COPD	PIK3C2A	rs72860760	T	C	-0.537	0.039	0.017	1.58E-42	-0.050	0.024	0.039	0.006	186.797	TRUE	3.48E-39
Overall COPD	PIK3C2A	rs72864065	G	A	-0.224	0.038	0.016	5.16E-09	-0.025	0.024	0.298	0.001	34.127	TRUE	2.47E-08
Overall COPD	PIK3C2A	rs7396550	T	C	-0.156	0.023	0.038	1.63E-11	-0.014	0.018	0.443	0.001	45.370	TRUE	7.92E-11
Overall COPD	PIK3C2A	rs74359854	C	T	0.283	0.022	0.048	4.45E-39	0.018	0.016	0.245	0.005	171.001	TRUE	8.57E-37
Overall COPD	PIK3C2A	rs873314	C	T	0.101	0.011	0.199	2.52E-20	-0.009	0.008	0.279	0.003	85.330	TRUE	5.10E-19
Overall COPD	PIK3CD	rs7511971	A	G	0.075	0.010	0.209	2.09E-13	-0.022	0.009	0.011	0.002	53.919	TRUE	1.09E-11
Overall COPD	PRKCA	rs113153197	T	C	0.148	0.022	0.045	5.36E-12	0.021	0.020	0.275	0.001	47.546	TRUE	4.01E-11
Overall COPD	PRKCA	rs11658459	A	G	-0.099	0.009	0.380	1.44E-27	-0.001	0.010	0.886	0.004	118.358	TRUE	1.18E-26
Overall COPD	PRKCA	rs11659067	A	G	-0.274	0.019	0.047	7.34E-48	-0.001	0.017	0.932	0.007	211.236	TRUE	2.63E-46
Overall COPD	PRKCA	rs12450121	C	T	0.090	0.011	0.160	1.03E-16	0.001	0.009	0.896	0.002	68.912	TRUE	3.57E-16
Overall COPD	PRKCA	rs12945884	C	T	-0.099	0.008	0.490	6.31E-36	-0.003	0.007	0.632	0.005	156.575	TRUE	2.04E-34
Overall COPD	PRKCA	rs150602265	G	A	0.124	0.017	0.061	7.81E-14	-0.021	0.015	0.154	0.002	55.848	TRUE	1.12E-12
Overall COPD	PRKCA	rs17689224	T	C	-0.059	0.010	0.215	1.31E-09	0.008	0.008	0.334	0.001	36.801	TRUE	6.29E-09
Overall COPD	PRKCA	rs17762314	G	A	0.081	0.009	0.291	1.55E-20	0.001	0.008	0.852	0.003	86.295	TRUE	7.86E-20
Overall COPD	PRKCA	rs1801692	T	C	-0.269	0.019	0.048	9.06E-47	0.009	0.016	0.563	0.006	206.233	TRUE	9.87E-45
Overall COPD	PRKCA	rs2056072	A	G	0.068	0.008	0.484	1.45E-17	-0.009	0.007	0.226	0.002	72.770	TRUE	2.56E-16
Overall COPD	PRKCA	rs35337556	G	A	-0.049	0.009	0.346	1.69E-08	-0.010	0.007	0.183	0.001	31.821	TRUE	9.95E-08
Overall COPD	PRKCA	rs4479281	C	T	-0.308	0.023	0.033	2.11E-41	0.023	0.019	0.207	0.006	181.640	TRUE	6.59E-39
Overall COPD	PRKCA	rs7216196	G	T	0.268	0.045	0.015	2.73E-09	-0.006	0.039	0.873	0.001	35.367	TRUE	5.55E-09
Overall COPD	PRKCA	rs759118	T	C	-0.067	0.009	0.309	6.59E-15	-0.003	0.008	0.702	0.002	60.715	TRUE	2.79E-14
Overall COPD	PRKCA	rs76105645	G	C	0.225	0.015	0.077	8.03E-50	-0.017	0.013	0.184	0.007	220.224	TRUE	7.52E-47
Overall COPD	PRKCA	rs78050952	C	G	-0.257	0.021	0.039	1.91E-35	-0.002	0.017	0.910	0.005	154.372	TRUE	2.74E-34
Overall COPD	PRKCA	rs78330327	A	C	0.126	0.017	0.058	1.35E-13	-0.009	0.014	0.531	0.002	54.778	TRUE	6.91E-13
Overall COPD	PRKCA	rs78357146	G	A	0.216	0.028	0.028	1.37E-14	0.017	0.021	0.430	0.002	59.277	TRUE	9.56E-14
Overall COPD	PRKCA	rs80130647	C	T	0.176	0.030	0.023	2.60E-09	-0.013	0.023	0.572	0.001	35.462	TRUE	8.01E-09
Overall COPD	PRKCA	rs8178847	T	C	-0.206	0.015	0.071	2.62E-40	0.000	0.013	0.980	0.006	176.635	TRUE	4.50E-39
Overall COPD	PRKCA	rs9900274	A	G	0.114	0.014	0.084	1.39E-15	0.014	0.012	0.242	0.002	63.778	TRUE	1.81E-14
Overall COPD	PRKCA	rs9901697	G	A	-0.200	0.008	0.344	1.15E-127	0.019	0.007	0.008	0.018	577.730	TRUE	1.38E-118
Overall COPD	RAC2	rs145381033	G	T	-0.295	0.034	0.018	1.82E-18	-0.031	0.033	0.347	0.002	76.873	TRUE	2.41E-17
Overall COPD	RAC2	rs2239775	A	C	-0.104	0.012	0.135	3.57E-19	0.003	0.011	0.758	0.003	80.086	TRUE	1.97E-18
Overall COPD	RAC2	rs2284036	G	A	0.326	0.012	0.134	5.45E-176	-0.005	0.010	0.575	0.025	799.931	TRUE	2.79E-168

Overall COPD	RAC2	rs229562	G	T	-0.124	0.009	0.455	4.77E-48	0.006	0.007	0.408	0.007	212.090	TRUE	1.08E-45
Overall COPD	RAC2	rs4821609	A	G	-0.253	0.009	0.295	8.69E-190	0.015	0.007	0.043	0.027	863.389	TRUE	2.87E-178
Overall COPD	RAC2	rs4821618	A	G	-0.061	0.008	0.339	5.02E-13	0.014	0.007	0.043	0.002	52.194	TRUE	1.31E-11
Overall COPD	RAC2	rs55806854	A	G	-0.307	0.027	0.027	2.91E-29	0.016	0.024	0.500	0.004	126.100	TRUE	7.49E-28
Overall COPD	RAC2	rs5756573	A	G	0.095	0.010	0.174	1.36E-19	-0.022	0.009	0.016	0.003	81.995	TRUE	1.84E-17
Overall COPD	RAC2	rs6000607	A	C	-0.111	0.012	0.121	8.07E-20	0.001	0.011	0.962	0.003	83.026	TRUE	3.12E-19
Overall COPD	RAC2	rs75169631	A	G	-0.162	0.026	0.027	4.17E-10	0.016	0.020	0.418	0.001	39.030	TRUE	1.81E-09
Overall COPD	RALB	rs112127013	T	C	-0.374	0.041	0.013	2.84E-20	0.013	0.031	0.670	0.003	85.091	TRUE	2.06E-19
Overall COPD	RALB	rs114153232	T	G	0.130	0.018	0.059	1.14E-12	0.020	0.015	0.177	0.002	50.577	TRUE	1.27E-11
Overall COPD	RALB	rs114529675	T	C	0.109	0.016	0.070	1.17E-11	-0.010	0.013	0.451	0.001	46.023	TRUE	5.67E-11
Overall COPD	RALB	rs116278992	C	T	0.149	0.025	0.030	2.90E-09	0.020	0.020	0.308	0.001	35.246	TRUE	1.41E-08
Overall COPD	RALB	rs11680845	T	C	-0.053	0.009	0.275	2.59E-09	-0.015	0.008	0.057	0.001	35.467	TRUE	3.04E-08
Overall COPD	RALB	rs11686225	T	C	0.076	0.011	0.265	6.78E-12	0.016	0.009	0.062	0.001	47.087	TRUE	1.21E-10
Overall COPD	RALB	rs12620790	T	C	0.085	0.009	0.247	6.12E-20	-0.004	0.008	0.596	0.003	83.574	TRUE	5.06E-19
Overall COPD	RALB	rs12621825	G	A	0.168	0.020	0.044	2.41E-17	0.023	0.018	0.194	0.002	71.770	TRUE	4.68E-16
Overall COPD	RALB	rs13403341	C	G	0.079	0.010	0.175	4.39E-14	0.002	0.009	0.798	0.002	56.983	TRUE	1.47E-13
Overall COPD	RALB	rs13412805	T	G	0.161	0.027	0.024	2.49E-09	0.010	0.022	0.654	0.001	35.541	TRUE	6.84E-09
Overall COPD	RALB	rs13425699	C	T	0.072	0.011	0.154	6.76E-11	0.008	0.010	0.448	0.001	42.584	TRUE	3.04E-10
Overall COPD	RALB	rs13426044	A	G	0.083	0.012	0.384	3.97E-12	0.010	0.008	0.214	0.002	48.138	TRUE	3.60E-11
Overall COPD	RALB	rs141081583	T	C	0.306	0.052	0.019	2.93E-09	-0.029	0.029	0.320	0.001	35.224	TRUE	1.39E-08
Overall COPD	RALB	rs144693239	G	A	-0.329	0.025	0.029	1.26E-39	-0.014	0.022	0.513	0.005	173.517	TRUE	8.34E-38
Overall COPD	RALB	rs146186070	G	A	-0.415	0.041	0.019	1.24E-23	0.007	0.025	0.781	0.003	100.406	TRUE	9.39E-23
Overall COPD	RALB	rs150329132	A	G	-0.354	0.028	0.026	6.89E-37	-0.010	0.020	0.606	0.005	160.975	TRUE	2.63E-35
Overall COPD	RALB	rs17050073	T	C	0.210	0.012	0.137	5.89E-74	0.019	0.010	0.052	0.010	330.960	TRUE	5.29E-69
Overall COPD	RALB	rs1992131	T	C	-0.089	0.012	0.136	1.34E-14	-0.016	0.010	0.100	0.002	59.317	TRUE	2.83E-13
Overall COPD	RALB	rs2579610	C	A	-0.078	0.010	0.246	3.44E-16	0.009	0.009	0.275	0.002	66.529	TRUE	4.33E-15
Overall COPD	RALB	rs2579652	A	C	-0.114	0.012	0.130	7.90E-22	0.019	0.011	0.075	0.003	92.177	TRUE	5.84E-20
Overall COPD	RALB	rs34138542	C	T	0.212	0.033	0.020	1.38E-10	-0.025	0.025	0.315	0.001	41.183	TRUE	7.84E-10
Overall COPD	RALB	rs35704069	C	T	0.101	0.011	0.239	3.15E-21	0.003	0.009	0.749	0.003	89.440	TRUE	2.10E-20
Overall COPD	RALB	rs35787754	A	G	-0.106	0.012	0.148	1.58E-18	0.006	0.010	0.574	0.002	77.146	TRUE	1.20E-17
Overall COPD	RALB	rs4274598	T	C	0.155	0.009	0.237	3.61E-61	0.003	0.009	0.743	0.009	272.265	TRUE	7.51E-59
Overall COPD	RALB	rs4528762	C	A	0.091	0.010	0.240	5.60E-20	0.003	0.008	0.738	0.003	83.750	TRUE	3.43E-19
Overall COPD	RALB	rs56129540	A	G	-0.198	0.036	0.016	4.47E-08	0.003	0.030	0.924	0.001	29.932	TRUE	7.77E-08
Overall COPD	RALB	rs56194865	C	T	-0.167	0.019	0.053	6.29E-18	-0.027	0.015	0.061	0.002	74.424	TRUE	3.00E-16
Overall COPD	RALB	rs62158465	A	C	0.062	0.010	0.202	6.35E-10	0.001	0.008	0.921	0.001	38.207	TRUE	1.27E-09
Overall COPD	RALB	rs62159781	G	A	0.242	0.030	0.021	7.17E-16	-0.005	0.023	0.828	0.002	65.082	TRUE	2.63E-15
Overall COPD	RALB	rs62166902	A	G	0.227	0.035	0.017	1.52E-10	-0.019	0.027	0.489	0.001	41.003	TRUE	6.10E-10
Overall COPD	RALB	rs62169079	A	G	0.105	0.010	0.204	7.12E-26	0.005	0.009	0.574	0.003	110.626	TRUE	1.08E-24
Overall COPD	RALB	rs6542572	G	A	-0.405	0.008	0.297	0.00E+00	-0.017	0.007	0.017	0.068	2298.116	TRUE	0.00E+00
Overall COPD	RALB	rs6718424	C	A	0.151	0.010	0.184	2.59E-49	0.006	0.009	0.542	0.007	217.893	TRUE	3.86E-47
Overall COPD	RALB	rs6720643	T	C	-0.285	0.052	0.016	3.14E-08	0.017	0.027	0.534	0.001	30.619	TRUE	9.12E-08
Overall COPD	RALB	rs72827502	A	C	-0.118	0.012	0.115	3.66E-21	-0.033	0.010	0.001	0.003	89.143	TRUE	2.20E-18

Overall COPD	RALB	rs72834873	T	C	-0.136	0.009	0.252	6.96E-48	-0.017	0.008	0.040	0.007	211.339	TRUE	3.03E-44
Overall COPD	RALB	rs72839002	A	G	-0.408	0.040	0.020	1.62E-24	-0.011	0.028	0.693	0.003	104.434	TRUE	1.62E-23
Overall COPD	RALB	rs72841674	C	G	0.222	0.020	0.043	4.16E-28	0.005	0.017	0.768	0.004	120.825	TRUE	4.73E-27
Overall COPD	RALB	rs75467150	A	G	-0.143	0.022	0.037	1.13E-10	-0.050	0.021	0.017	0.001	41.587	TRUE	2.84E-09
Overall COPD	RALB	rs7573139	A	G	0.152	0.024	0.033	3.59E-10	0.058	0.021	0.007	0.001	39.323	TRUE	1.13E-08
Overall COPD	RALB	rs75815921	T	C	-0.361	0.039	0.015	1.81E-20	-0.042	0.030	0.153	0.003	85.979	TRUE	6.39E-19
Overall COPD	RALB	rs76485079	T	C	0.216	0.017	0.068	1.38E-35	0.005	0.014	0.741	0.005	155.012	TRUE	3.17E-34
Overall COPD	RALB	rs77509380	G	T	0.118	0.014	0.110	1.10E-17	0.013	0.015	0.386	0.002	73.317	TRUE	1.20E-16
Overall COPD	RALB	rs78783248	G	A	-0.404	0.022	0.036	2.00E-73	-0.058	0.018	9.49E-04	0.010	328.517	TRUE	9.93E-67
Overall COPD	RALB	rs78881603	T	C	-0.308	0.018	0.056	8.67E-69	0.031	0.015	0.042	0.010	307.234	TRUE	5.24E-64
Overall COPD	RALB	rs80004304	A	G	-0.336	0.039	0.015	3.62E-18	0.023	0.025	0.370	0.002	75.511	TRUE	4.35E-17
Overall COPD	RHOT1	rs1039402	T	C	-0.068	0.012	0.129	9.24E-09	0.010	0.010	0.308	0.001	32.994	TRUE	4.19E-08
Overall COPD	RHOT1	rs112029880	A	G	-0.091	0.010	0.202	4.15E-19	0.003	0.009	0.751	0.003	79.791	TRUE	2.30E-18
Overall COPD	RHOT1	rs11650026	A	C	0.174	0.017	0.075	3.77E-24	-0.026	0.012	0.038	0.003	102.760	TRUE	6.27E-22
Overall COPD	RHOT1	rs11654800	T	C	0.111	0.008	0.425	1.43E-40	-0.001	0.007	0.937	0.006	177.842	TRUE	2.83E-39
Overall COPD	RHOT1	rs118105946	G	A	0.146	0.020	0.048	3.02E-13	0.014	0.016	0.392	0.002	53.193	TRUE	1.98E-12
Overall COPD	RHOT1	rs12944565	A	G	-0.166	0.009	0.312	8.68E-85	-0.001	0.008	0.852	0.012	380.696	TRUE	9.52E-82
Overall COPD	RHOT1	rs141988744	C	T	-0.311	0.049	0.017	3.01E-10	0.019	0.042	0.654	0.001	39.668	TRUE	9.00E-10
Overall COPD	RHOT1	rs144382041	A	G	-0.384	0.039	0.016	1.95E-23	-0.046	0.031	0.140	0.003	99.510	TRUE	1.09E-21
Overall COPD	RHOT1	rs147933234	T	C	-0.325	0.027	0.027	1.49E-32	-0.046	0.021	0.030	0.004	141.149	TRUE	1.02E-29
Overall COPD	RHOT1	rs147960200	T	C	0.202	0.032	0.018	2.40E-10	0.032	0.023	0.170	0.001	40.104	TRUE	1.96E-09
Overall COPD	RHOT1	rs149254344	G	C	-0.162	0.024	0.037	1.06E-11	-0.005	0.017	0.769	0.001	46.205	TRUE	3.05E-11
Overall COPD	RHOT1	rs167298	A	G	-0.112	0.009	0.440	3.45E-38	-0.001	0.007	0.846	0.005	166.926	TRUE	7.32E-37
Overall COPD	RHOT1	rs2905171	C	T	0.053	0.009	0.281	3.33E-09	0.001	0.008	0.884	0.001	34.980	TRUE	6.62E-09
Overall COPD	RHOT1	rs425309	T	C	-0.102	0.019	0.052	3.91E-08	0.011	0.016	0.477	0.001	30.193	TRUE	1.22E-07
Overall COPD	RHOT1	rs450735	T	C	-0.059	0.009	0.254	1.15E-10	-0.012	0.008	0.148	0.001	41.551	TRUE	1.06E-09
Overall COPD	RHOT1	rs4795702	G	A	-0.070	0.009	0.269	1.13E-14	0.009	0.008	0.299	0.002	59.653	TRUE	1.10E-13
Overall COPD	RHOT1	rs55861514	T	C	-0.133	0.022	0.035	3.00E-09	0.010	0.019	0.610	0.001	35.181	TRUE	8.69E-09
Overall COPD	RHOT1	rs62062229	C	T	0.070	0.009	0.256	3.46E-14	0.012	0.008	0.135	0.002	57.453	TRUE	5.67E-13
Overall COPD	RHOT1	rs62062440	C	T	0.186	0.014	0.116	3.62E-41	-0.007	0.011	0.525	0.006	180.569	TRUE	2.67E-39
Overall COPD	RHOT1	rs6505264	A	G	-0.442	0.037	0.017	2.01E-33	-0.033	0.030	0.265	0.005	145.121	TRUE	1.89E-31
Overall COPD	RHOT1	rs72825779	C	T	0.180	0.024	0.035	2.24E-14	0.035	0.017	0.039	0.002	58.308	TRUE	7.78E-13
Overall COPD	RHOT1	rs739799	T	C	-0.418	0.042	0.016	6.13E-23	-0.044	0.025	0.077	0.003	97.237	TRUE	5.19E-21
Overall COPD	RHOT1	rs79573699	T	C	-0.209	0.023	0.034	1.37E-19	-0.028	0.020	0.166	0.003	81.984	TRUE	4.03E-18
Overall COPD	RHOT1	rs9902817	T	C	0.078	0.013	0.099	4.49E-09	0.022	0.011	0.056	0.001	34.396	TRUE	5.10E-08
Overall COPD	RHOT1	rs9909295	C	T	-0.390	0.010	0.173	0.00E+00	-0.022	0.009	0.015	0.044	1442.611	TRUE	3.22E-295
Overall COPD	SAT2	rs112982019	C	T	0.296	0.024	0.031	9.87E-36	0.000	0.020	0.980	0.005	155.686	TRUE	1.20E-34
Overall COPD	SAT2	rs12946592	A	G	-0.073	0.010	0.202	1.61E-13	-0.011	0.009	0.212	0.002	54.428	TRUE	1.77E-12
Overall COPD	SAT2	rs138886864	C	A	0.190	0.029	0.024	9.67E-11	-0.025	0.022	0.273	0.001	41.884	TRUE	6.18E-10
Overall COPD	SAT2	rs17607	A	G	0.276	0.021	0.046	5.02E-40	-0.010	0.015	0.520	0.006	175.339	TRUE	3.38E-38
Overall COPD	SAT2	rs4265881	T	C	-0.061	0.010	0.225	1.47E-10	-0.005	0.008	0.543	0.001	41.070	TRUE	5.39E-10
Overall COPD	SAT2	rs55662831	A	G	-0.100	0.009	0.344	2.36E-31	0.008	0.007	0.282	0.004	135.658	TRUE	1.63E-29

Overall COPD	SAT2	rs55956545	T	C	0.153	0.021	0.044	4.19E-13	0.014	0.018	0.431	0.002	52.548	TRUE	2.49E-12
Overall COPD	SAT2	rs61627308	G	A	0.150	0.014	0.096	1.88E-27	0.009	0.013	0.498	0.004	117.831	TRUE	4.08E-26
Overall COPD	SAT2	rs7209048	A	C	0.083	0.013	0.110	1.09E-10	0.002	0.010	0.876	0.001	41.647	TRUE	2.46E-10
Overall COPD	SAT2	rs72841482	T	C	0.087	0.014	0.093	2.07E-09	-0.005	0.011	0.684	0.001	35.904	TRUE	5.48E-09
Overall COPD	SAT2	rs77697176	A	G	-0.165	0.020	0.048	3.32E-17	0.014	0.017	0.440	0.002	71.138	TRUE	3.01E-16
Overall COPD	SAT2	rs78496430	G	A	-0.151	0.020	0.048	4.33E-14	0.021	0.014	0.144	0.002	57.008	TRUE	6.75E-13
Overall COPD	SAT2	rs8075482	C	A	0.155	0.018	0.059	1.79E-18	0.008	0.017	0.620	0.002	76.905	TRUE	1.23E-17
Overall COPD	SAT2	rs858520	T	C	0.275	0.008	0.394	4.84E-260	-0.019	0.007	0.005	0.036	1186.583	TRUE	2.36E-242
Overall COPD	SAT2	rs9896688	T	A	-0.096	0.011	0.138	8.11E-17	0.013	0.010	0.185	0.002	69.378	TRUE	1.53E-15
Overall COPD	SAT2	rs9899183	C	T	-0.172	0.009	0.253	1.83E-79	-0.001	0.008	0.908	0.011	356.244	TRUE	1.00E-76
Overall COPD	SAT2	rs9907657	T	G	-0.107	0.011	0.148	1.16E-21	0.020	0.009	0.037	0.003	91.426	TRUE	1.34E-19
Overall COPD	SERPINE1	rs1029528	T	C	0.081	0.010	0.193	1.39E-15	-0.002	0.009	0.815	0.002	63.772	TRUE	5.12E-15
Overall COPD	SERPINE1	rs13232139	A	G	-0.068	0.012	0.115	4.45E-08	0.002	0.011	0.852	0.001	29.939	TRUE	8.45E-08
Overall COPD	SERPINE1	rs2005742	T	C	0.072	0.012	0.125	2.28E-09	-0.012	0.011	0.253	0.001	35.718	TRUE	1.27E-08
Overall COPD	SERPINE1	rs2227667	G	A	-0.091	0.010	0.213	9.60E-21	0.021	0.008	0.011	0.003	87.238	TRUE	2.00E-18
Overall COPD	SESN1	rs11153123	G	A	0.053	0.009	0.299	2.93E-09	-0.001	0.008	0.939	0.001	35.229	TRUE	5.45E-09
Overall COPD	SESN1	rs117323902	A	G	0.557	0.032	0.019	7.04E-66	0.038	0.025	0.130	0.009	293.879	TRUE	6.74E-62
Overall COPD	SESN1	rs12193858	T	A	0.584	0.012	0.130	0.00E+00	-0.025	0.011	0.019	0.069	2357.740	TRUE	0.00E+00
Overall COPD	SESN1	rs1327470	T	C	0.129	0.010	0.208	4.57E-40	0.018	0.008	0.026	0.006	175.524	TRUE	1.04E-36
Overall COPD	SESN1	rs138918444	A	G	0.594	0.042	0.014	1.35E-44	-0.008	0.030	0.783	0.006	196.268	TRUE	5.88E-43
Overall COPD	SESN1	rs143290212	C	T	0.194	0.034	0.023	1.63E-08	-0.035	0.035	0.316	0.001	31.896	TRUE	7.02E-08
Overall COPD	SESN1	rs185274858	G	T	0.422	0.055	0.015	1.76E-14	-0.017	0.032	0.586	0.002	58.782	TRUE	8.86E-14
Overall COPD	SESN1	rs2050310	C	T	0.154	0.008	0.343	2.95E-76	-0.010	0.008	0.200	0.011	341.518	TRUE	4.60E-72
Overall COPD	SESN1	rs2768548	C	T	0.160	0.009	0.244	3.38E-67	-0.014	0.008	0.089	0.009	299.931	TRUE	6.48E-63
Overall COPD	SESN1	rs2768561	A	G	-0.090	0.010	0.184	1.17E-18	0.010	0.009	0.275	0.002	77.741	TRUE	1.98E-17
Overall COPD	SESN1	rs351738	C	T	-0.060	0.009	0.302	1.64E-11	0.002	0.008	0.755	0.001	45.360	TRUE	4.72E-11
Overall COPD	SESN1	rs35629606	T	C	-0.096	0.015	0.103	2.63E-10	0.017	0.012	0.163	0.001	39.932	TRUE	2.18E-09
Overall COPD	SESN1	rs35740192	T	C	-0.100	0.010	0.210	4.98E-22	0.009	0.009	0.286	0.003	93.090	TRUE	1.20E-20
Overall COPD	SESN1	rs3941888	A	G	0.099	0.009	0.315	8.03E-31	-0.014	0.008	0.080	0.004	133.228	TRUE	1.91E-28
Overall COPD	SESN1	rs554244	T	C	0.079	0.008	0.461	6.46E-22	0.001	0.007	0.927	0.003	92.577	TRUE	3.14E-21
Overall COPD	SESN1	rs574815	G	A	0.203	0.017	0.063	3.38E-34	-0.008	0.014	0.578	0.005	148.664	TRUE	1.10E-32
Overall COPD	SESN1	rs6938859	C	T	0.235	0.029	0.027	1.97E-16	-0.064	0.022	0.004	0.002	67.627	TRUE	2.76E-14
Overall COPD	SESN1	rs75222113	C	T	-0.118	0.015	0.081	2.21E-14	0.002	0.012	0.884	0.002	58.332	TRUE	6.55E-14
Overall COPD	SESN1	rs75352535	G	A	0.222	0.016	0.074	3.06E-45	-0.011	0.014	0.454	0.006	199.226	TRUE	4.34E-43
Overall COPD	SESN1	rs75576199	G	A	0.567	0.030	0.020	4.50E-82	-0.057	0.026	0.027	0.011	368.224	TRUE	2.56E-76
Overall COPD	SESN1	rs76192723	A	G	0.330	0.031	0.018	5.84E-27	-0.033	0.025	0.188	0.004	115.586	TRUE	3.82E-25
Overall COPD	SESN1	rs9400329	G	T	0.101	0.014	0.101	2.71E-12	-0.001	0.013	0.942	0.002	48.885	TRUE	6.27E-12
Overall COPD	SESN1	rs9486939	G	A	0.285	0.044	0.015	1.41E-10	-0.016	0.032	0.616	0.001	41.147	TRUE	4.62E-10
Overall COPD	SESN1	rs9968792	T	A	-0.067	0.009	0.323	2.52E-15	-0.011	0.007	0.108	0.002	62.608	TRUE	5.65E-14
Overall COPD	SLC30A1	rs11806637	C	G	-0.074	0.010	0.196	2.36E-13	-0.025	0.008	0.003	0.002	53.675	TRUE	2.08E-11
Overall COPD	SLC30A6	rs6733481	C	A	-0.114	0.013	0.119	1.89E-17	0.031	0.011	0.004	0.002	72.257	TRUE	3.26E-15
Overall COPD	SLC39A10	rs10931702	T	C	-0.320	0.008	0.451	0.00E+00	0.010	0.007	0.148	0.043	1424.887	TRUE	2.69E-294

Overall COPD	SLC39A10	rs114219342	G	T	0.242	0.024	0.047	3.11E-23	-0.029	0.018	0.102	0.003	98.579	TRUE	2.21E-21
Overall COPD	SLC39A10	rs114418671	A	G	0.289	0.053	0.026	3.97E-08	0.016	0.022	0.486	0.001	30.164	TRUE	1.22E-07
Overall COPD	SLC39A10	rs115810920	C	A	0.296	0.037	0.021	1.26E-15	-0.032	0.022	0.138	0.002	63.967	TRUE	2.51E-14
Overall COPD	SLC39A10	rs12471921	A	C	-0.217	0.015	0.086	2.59E-45	0.020	0.012	0.093	0.006	199.559	TRUE	3.34E-42
Overall COPD	SLC39A10	rs12613279	C	T	0.203	0.013	0.128	1.21E-55	-0.017	0.010	0.105	0.008	246.915	TRUE	4.74E-52
Overall COPD	SLC39A10	rs12617577	T	C	0.054	0.009	0.446	8.09E-10	-0.016	0.007	0.030	0.001	37.737	TRUE	1.36E-08
Overall COPD	SLC39A10	rs13489	A	G	-0.270	0.027	0.033	6.60E-23	0.020	0.018	0.270	0.003	97.091	TRUE	1.86E-21
Overall COPD	SLC39A10	rs142677173	G	A	-0.169	0.024	0.042	1.75E-12	0.039	0.018	0.030	0.002	49.741	TRUE	4.94E-11
Overall COPD	SLC39A10	rs145116182	A	C	0.268	0.042	0.020	2.56E-10	0.034	0.024	0.150	0.001	39.980	TRUE	2.23E-09
Overall COPD	SLC39A10	rs17375180	T	C	-0.084	0.011	0.272	7.59E-15	-0.008	0.009	0.321	0.002	60.434	TRUE	7.13E-14
Overall COPD	SLC39A10	rs189328934	T	C	-0.369	0.064	0.013	7.84E-09	-0.072	0.073	0.327	0.001	33.312	TRUE	3.46E-08
Overall COPD	SLC39A10	rs62201528	C	T	0.205	0.019	0.065	5.11E-26	-0.018	0.014	0.189	0.004	111.283	TRUE	2.98E-24
Overall COPD	SLC39A10	rs62203362	G	T	0.282	0.029	0.034	2.58E-22	-0.003	0.021	0.879	0.003	94.390	TRUE	1.43E-21
Overall COPD	SLC39A10	rs62623378	G	A	-0.193	0.014	0.108	4.64E-43	0.015	0.011	0.153	0.006	189.239	TRUE	2.55E-40
Overall COPD	SLC39A10	rs6434770	G	A	0.121	0.021	0.050	7.19E-09	-0.012	0.015	0.424	0.001	33.480	TRUE	2.67E-08
Overall COPD	SLC39A10	rs6731673	T	A	-0.287	0.016	0.083	1.63E-75	-0.005	0.014	0.748	0.011	338.105	TRUE	1.20E-72
Overall COPD	SLC39A10	rs72925706	C	T	-0.370	0.048	0.013	1.49E-14	-0.043	0.029	0.139	0.002	59.111	TRUE	2.53E-13
Overall COPD	SLC39A10	rs72925716	T	C	0.176	0.022	0.052	1.98E-15	-0.005	0.014	0.740	0.002	63.084	TRUE	8.18E-15
Overall COPD	SLC39A10	rs73062145	C	T	-0.281	0.021	0.047	1.19E-42	0.000	0.017	1.000	0.006	187.355	TRUE	2.33E-41
Overall COPD	SLC39A10	rs74626408	A	G	0.309	0.034	0.026	3.63E-20	-0.009	0.018	0.609	0.003	84.609	TRUE	2.98E-19
Overall COPD	SLC39A10	rs7566549	G	T	-0.104	0.010	0.279	5.37E-27	0.010	0.008	0.195	0.004	115.750	TRUE	3.41E-25
Overall COPD	SLC39A10	rs76094696	A	G	0.322	0.022	0.051	3.85E-48	0.006	0.012	0.593	0.007	212.517	TRUE	4.27E-46
Overall COPD	SLC39A10	rs76683621	A	G	-0.214	0.033	0.020	1.12E-10	0.014	0.028	0.622	0.001	41.597	TRUE	3.67E-10
Overall COPD	SLC39A10	rs77244019	T	G	-0.245	0.020	0.054	3.07E-33	0.044	0.015	0.004	0.005	144.279	TRUE	1.01E-29
Overall COPD	SLC39A10	rs78007726	A	G	0.305	0.035	0.022	2.82E-18	-0.013	0.024	0.597	0.002	76.009	TRUE	1.99E-17
Overall COPD	SLC39A4	rs117328198	C	A	-0.415	0.020	0.068	4.72E-98	-0.041	0.016	0.013	0.014	441.628	TRUE	5.60E-91
Overall COPD	SLC39A4	rs144646549	C	T	-0.173	0.030	0.035	1.11E-08	0.017	0.018	0.356	0.001	32.629	TRUE	4.56E-08
Overall COPD	SLC39A4	rs2280840	A	G	-0.103	0.010	0.456	9.62E-26	0.001	0.007	0.830	0.003	110.029	TRUE	7.78E-25
Overall COPD	SLC39A4	rs2727226	C	T	-0.099	0.014	0.101	9.05E-13	-0.009	0.011	0.383	0.002	51.037	TRUE	5.75E-12
Overall COPD	SMCR8	rs3764405	T	C	0.102	0.009	0.307	1.16E-32	0.027	0.008	8.16E-04	0.004	141.648	TRUE	7.94E-29
Overall COPD	SMCR8	rs71367439	T	C	0.153	0.026	0.035	3.07E-09	-0.001	0.019	0.965	0.001	35.134	TRUE	5.53E-09
Overall COPD	SOD1	rs11088186	C	T	0.106	0.019	0.117	2.54E-08	-0.028	0.011	0.011	0.001	31.025	TRUE	4.44E-07
Overall COPD	SOD1	rs16988435	T	C	0.216	0.026	0.055	7.87E-17	-0.052	0.018	0.004	0.002	69.438	TRUE	1.29E-14
Overall COPD	SP100	rs11675846	G	C	0.099	0.010	0.265	6.87E-25	0.010	0.007	0.173	0.003	106.133	TRUE	3.81E-23
Overall COPD	SP100	rs1564324	A	T	-0.100	0.009	0.313	3.05E-31	0.009	0.007	0.199	0.004	135.145	TRUE	3.13E-29
Overall COPD	SP100	rs16827285	A	G	0.152	0.022	0.034	3.89E-12	0.010	0.018	0.599	0.002	48.177	TRUE	1.52E-11
Overall COPD	SP100	rs16827319	A	G	0.198	0.014	0.090	1.95E-46	-0.028	0.012	0.018	0.006	204.705	TRUE	1.44E-42
Overall COPD	SP100	rs4302207	A	C	0.044	0.008	0.470	4.50E-08	0.004	0.007	0.574	0.001	29.919	TRUE	1.22E-07
Overall COPD	SP100	rs72983756	A	C	-0.144	0.022	0.035	1.37E-10	0.013	0.018	0.485	0.001	41.203	TRUE	5.57E-10
Overall COPD	SP100	rs76866282	G	A	-0.124	0.019	0.046	9.92E-11	0.020	0.016	0.228	0.001	41.835	TRUE	7.12E-10
Overall COPD	SP100	rs78129651	T	C	-0.184	0.021	0.037	1.09E-17	-0.005	0.016	0.745	0.002	73.340	TRUE	5.41E-17
Overall COPD	SP100	rs78181435	T	C	0.082	0.014	0.096	3.16E-09	-0.010	0.012	0.368	0.001	35.080	TRUE	1.36E-08

Overall COPD	STAT5B	rs185478092	C	T	0.148	0.014	0.086	7.55E-25	0.028	0.011	0.014	0.003	105.946	TRUE	2.72E-22
Overall COPD	SYNPO2	rs10516642	T	C	0.271	0.029	0.076	2.15E-21	-0.009	0.014	0.536	0.003	90.199	TRUE	2.35E-20
Overall COPD	SYNPO2	rs11730732	G	A	0.159	0.009	0.497	2.16E-72	0.016	0.007	0.020	0.010	323.776	TRUE	5.00E-67
Overall COPD	SYNPO2	rs1913577	G	A	0.051	0.009	0.365	2.09E-08	0.002	0.007	0.736	0.001	31.405	TRUE	4.71E-08
Overall COPD	SYNPO2	rs62326836	G	A	-0.087	0.011	0.181	1.14E-14	-0.009	0.009	0.337	0.002	59.638	TRUE	1.00E-13
Overall COPD	SYNPO2	rs6828577	T	C	-0.056	0.010	0.275	8.17E-09	0.001	0.008	0.950	0.001	33.233	TRUE	1.45E-08
Overall COPD	SYNPO2	rs77791146	T	C	0.106	0.017	0.081	1.96E-10	-0.002	0.013	0.882	0.001	40.501	TRUE	4.31E-10
Overall COPD	SYNPO2	rs960737	C	T	-0.137	0.023	0.048	1.31E-09	-0.015	0.015	0.336	0.001	36.797	TRUE	6.27E-09
Overall COPD	TFRC	rs111647979	A	G	-0.394	0.052	0.012	2.60E-14	-0.048	0.033	0.150	0.002	58.009	TRUE	4.06E-13
Overall COPD	TFRC	rs115402043	G	A	-0.177	0.029	0.024	1.66E-09	0.014	0.020	0.466	0.001	36.339	TRUE	6.17E-09
Overall COPD	TFRC	rs115451598	T	C	-0.499	0.056	0.015	3.37E-19	0.008	0.027	0.777	0.003	80.205	TRUE	1.79E-18
Overall COPD	TFRC	rs11712192	A	G	0.097	0.012	0.207	7.11E-17	-0.002	0.009	0.786	0.002	69.637	TRUE	3.06E-16
Overall COPD	TFRC	rs11924930	A	G	-0.078	0.009	0.326	5.41E-17	-0.001	0.007	0.931	0.002	70.176	TRUE	1.80E-16
Overall COPD	TFRC	rs12630378	C	A	0.073	0.012	0.205	2.47E-09	0.007	0.009	0.471	0.001	35.560	TRUE	8.95E-09
Overall COPD	TFRC	rs13092095	T	C	0.103	0.010	0.232	1.55E-23	-0.005	0.008	0.557	0.003	99.961	TRUE	1.97E-22
Overall COPD	TFRC	rs140366275	A	G	0.104	0.018	0.078	1.17E-08	0.003	0.012	0.799	0.001	32.536	TRUE	2.48E-08
Overall COPD	TFRC	rs146159581	C	T	-0.084	0.013	0.155	4.15E-10	-0.007	0.009	0.426	0.001	39.040	TRUE	1.78E-09
Overall COPD	TFRC	rs150966305	T	C	-0.262	0.029	0.031	3.68E-20	0.022	0.020	0.282	0.003	84.580	TRUE	7.25E-19
Overall COPD	TFRC	rs2688476	A	G	0.061	0.010	0.408	1.53E-09	0.010	0.010	0.296	0.001	36.494	TRUE	7.91E-09
Overall COPD	TFRC	rs28429906	G	A	-0.340	0.011	0.207	1.54E-227	0.020	0.009	0.028	0.032	1037.044	TRUE	2.20E-213
Overall COPD	TFRC	rs28651009	T	C	0.122	0.010	0.356	1.33E-36	0.000	0.007	0.968	0.005	159.669	TRUE	1.78E-35
Overall COPD	TFRC	rs34709234	A	C	0.094	0.011	0.249	4.14E-17	0.000	0.008	0.989	0.002	70.704	TRUE	1.25E-16
Overall COPD	TFRC	rs4078528	G	T	-0.104	0.015	0.094	4.94E-12	0.010	0.013	0.414	0.002	47.706	TRUE	2.70E-11
Overall COPD	TFRC	rs60801726	A	G	0.147	0.023	0.040	7.84E-11	0.014	0.020	0.499	0.001	42.294	TRUE	3.19E-10
Overall COPD	TFRC	rs62409161	A	G	-0.360	0.020	0.049	2.62E-69	-0.010	0.015	0.498	0.010	309.622	TRUE	3.17E-66
Overall COPD	TFRC	rs6583290	G	A	0.106	0.017	0.074	3.40E-10	-0.007	0.014	0.617	0.001	39.428	TRUE	1.07E-09
Overall COPD	TFRC	rs6772320	A	T	0.153	0.015	0.108	4.46E-24	-0.009	0.011	0.440	0.003	102.428	TRUE	8.19E-23
Overall COPD	TFRC	rs6782834	G	A	-0.089	0.009	0.315	2.92E-21	-0.001	0.008	0.930	0.003	89.592	TRUE	1.34E-20
Overall COPD	TFRC	rs6803107	A	G	-0.064	0.009	0.479	8.83E-12	0.003	0.007	0.681	0.001	46.570	TRUE	2.92E-11
Overall COPD	TFRC	rs6806773	A	G	0.057	0.010	0.224	4.85E-08	0.010	0.009	0.268	0.001	29.775	TRUE	2.17E-07
Overall COPD	TFRC	rs73210053	A	G	-0.126	0.017	0.070	1.82E-13	0.023	0.013	0.077	0.002	54.187	TRUE	3.77E-12
Overall COPD	TFRC	rs7374549	G	A	0.104	0.011	0.217	9.92E-23	0.001	0.008	0.879	0.003	96.284	TRUE	5.67E-22
Overall COPD	TFRC	rs7616515	A	G	0.085	0.009	0.439	3.65E-22	-0.019	0.007	0.004	0.003	93.708	TRUE	1.67E-19
Overall COPD	TFRC	rs78530091	T	C	-0.111	0.010	0.228	2.92E-26	0.009	0.008	0.265	0.004	112.396	TRUE	1.23E-24
Overall COPD	TFRC	rs9814409	C	A	-0.222	0.012	0.146	2.02E-73	0.012	0.011	0.277	0.010	328.493	TRUE	1.28E-69
Overall COPD	TFRC	rs9856595	G	A	-0.164	0.009	0.315	6.20E-68	-0.001	0.007	0.841	0.009	303.313	TRUE	1.62E-65
Overall COPD	TFRC	rs9869170	G	A	-0.277	0.047	0.019	3.47E-09	-0.017	0.029	0.557	0.001	34.900	TRUE	1.08E-08
Overall COPD	TFRC	rs9883951	A	G	-0.232	0.034	0.023	1.56E-11	0.036	0.022	0.109	0.001	45.457	TRUE	1.96E-10
Overall COPD	THBS1	rs10520147	G	A	-0.092	0.015	0.075	1.35E-09	-0.001	0.013	0.919	0.001	36.731	TRUE	2.65E-09
Overall COPD	THBS1	rs1106508	G	A	0.057	0.010	0.238	1.58E-08	-0.011	0.008	0.177	0.001	31.950	TRUE	9.54E-08
Overall COPD	THBS1	rs112833594	C	T	-0.275	0.027	0.024	9.57E-24	-0.002	0.023	0.919	0.003	100.916	TRUE	5.42E-23
Overall COPD	THBS1	rs11629850	A	G	-0.057	0.008	0.509	5.14E-13	-0.003	0.007	0.647	0.002	52.148	TRUE	2.02E-12

Overall COPD	THBS1	rs116952056	T	C	0.148	0.023	0.038	5.43E-11	0.007	0.018	0.703	0.001	43.012	TRUE	1.62E-10
Overall COPD	THBS1	rs117210124	A	G	0.107	0.019	0.052	1.48E-08	-0.032	0.017	0.065	0.001	32.081	TRUE	1.42E-07
Overall COPD	THBS1	rs117681776	A	G	-0.182	0.029	0.023	2.95E-10	-0.013	0.020	0.514	0.001	39.707	TRUE	1.10E-09
Overall COPD	THBS1	rs12904023	A	G	0.161	0.014	0.094	2.37E-32	-0.006	0.012	0.582	0.004	140.219	TRUE	6.41E-31
Overall COPD	THBS1	rs12909502	A	G	-0.266	0.008	0.468	1.35E-252	-0.001	0.007	0.831	0.035	1152.334	TRUE	9.18E-242
Overall COPD	THBS1	rs149334770	T	G	0.602	0.036	0.017	1.24E-63	-0.041	0.033	0.215	0.009	283.567	TRUE	4.27E-60
Overall COPD	THBS1	rs150751687	T	C	-0.347	0.036	0.016	9.32E-22	-0.010	0.028	0.726	0.003	91.851	TRUE	6.82E-21
Overall COPD	THBS1	rs156795	A	G	-0.071	0.008	0.481	2.34E-18	-0.001	0.007	0.892	0.002	76.372	TRUE	9.30E-18
Overall COPD	THBS1	rs16968876	C	T	-0.289	0.009	0.227	3.79E-210	0.001	0.008	0.893	0.029	957.046	TRUE	1.10E-201
Overall COPD	THBS1	rs17614000	T	C	0.266	0.019	0.047	1.35E-45	-0.001	0.015	0.948	0.006	200.855	TRUE	3.85E-44
Overall COPD	THBS1	rs17621729	A	G	-0.151	0.022	0.038	2.63E-12	0.021	0.019	0.285	0.002	48.943	TRUE	1.99E-11
Overall COPD	THBS1	rs17721122	T	A	0.078	0.012	0.118	3.13E-10	-0.008	0.011	0.454	0.001	39.592	TRUE	1.29E-09
Overall COPD	THBS1	rs1847663	G	A	-0.249	0.013	0.105	8.64E-83	0.002	0.012	0.865	0.012	371.516	TRUE	7.55E-80
Overall COPD	THBS1	rs1865755	C	A	0.102	0.017	0.061	9.89E-10	-0.002	0.014	0.886	0.001	37.344	TRUE	2.04E-09
Overall COPD	THBS1	rs276854	A	G	-0.155	0.012	0.154	1.95E-39	-0.001	0.010	0.913	0.005	172.640	TRUE	3.79E-38
Overall COPD	THBS1	rs4924347	T	C	-0.232	0.014	0.095	5.08E-66	0.003	0.013	0.812	0.009	294.531	TRUE	1.25E-63
Overall COPD	THBS1	rs58417396	T	C	-0.076	0.012	0.132	1.06E-10	-0.011	0.010	0.278	0.001	41.703	TRUE	6.65E-10
Overall COPD	THBS1	rs59122632	C	T	-0.192	0.017	0.059	8.60E-30	-0.005	0.014	0.731	0.004	128.520	TRUE	1.24E-28
Overall COPD	THBS1	rs62002527	T	C	0.056	0.010	0.213	8.90E-09	-0.010	0.009	0.247	0.001	33.065	TRUE	4.63E-08
Overall COPD	THBS1	rs62006528	G	A	0.197	0.015	0.096	4.43E-42	0.003	0.011	0.812	0.006	184.747	TRUE	1.43E-40
Overall COPD	THBS1	rs6492914	G	A	-0.072	0.008	0.469	9.76E-20	0.005	0.007	0.445	0.003	82.652	TRUE	1.13E-18
Overall COPD	THBS1	rs72725044	A	G	-0.210	0.033	0.019	3.56E-10	-0.016	0.026	0.533	0.001	39.340	TRUE	1.28E-09
Overall COPD	THBS1	rs74869668	C	T	-0.199	0.031	0.019	9.15E-11	-0.025	0.028	0.377	0.001	41.993	TRUE	4.64E-10
Overall COPD	THBS1	rs75542157	T	G	-0.304	0.033	0.018	7.88E-20	-0.036	0.036	0.311	0.003	83.074	TRUE	1.36E-18
Overall COPD	THBS1	rs77660997	A	G	0.299	0.030	0.023	6.51E-23	-0.007	0.019	0.715	0.003	97.119	TRUE	5.38E-22
Overall COPD	THBS1	rs77821708	G	A	-0.103	0.017	0.064	3.95E-09	0.004	0.013	0.779	0.001	34.645	TRUE	8.97E-09
Overall COPD	THBS1	rs79387284	T	C	0.853	0.025	0.026	2.34E-251	0.016	0.025	0.528	0.035	1146.629	TRUE	1.47E-239
Overall COPD	THBS1	rs8026892	C	T	0.144	0.011	0.159	3.23E-40	-0.003	0.009	0.777	0.006	176.216	TRUE	9.87E-39
Overall COPD	THBS1	rs8037733	C	T	-0.168	0.026	0.025	7.08E-11	-0.018	0.023	0.440	0.001	42.494	TRUE	3.22E-10
Overall COPD	THBS1	rs8039714	A	C	0.209	0.016	0.068	1.59E-38	0.004	0.013	0.785	0.005	168.464	TRUE	4.13E-37
Overall COPD	TLR4	rs10818040	A	T	-0.237	0.014	0.088	1.01E-64	0.009	0.012	0.471	0.009	288.572	TRUE	8.85E-62
Overall COPD	TLR4	rs10818061	C	G	0.346	0.008	0.330	0.00E+00	-0.009	0.007	0.212	0.052	1749.707	TRUE	0.00E+00
Overall COPD	TLR4	rs10818151	C	T	0.064	0.008	0.445	9.37E-16	-0.003	0.007	0.710	0.002	64.554	TRUE	4.21E-15
Overall COPD	TLR4	rs10983537	A	G	0.097	0.012	0.119	3.99E-15	-0.027	0.011	0.017	0.002	61.703	TRUE	2.35E-13
Overall COPD	TLR4	rs10983579	T	C	-0.092	0.015	0.077	5.96E-10	0.011	0.013	0.419	0.001	38.334	TRUE	2.53E-09
Overall COPD	TLR4	rs10983638	T	C	0.120	0.014	0.089	3.77E-17	-0.008	0.012	0.511	0.002	70.888	TRUE	2.88E-16
Overall COPD	TLR4	rs10983791	A	G	0.203	0.014	0.088	8.84E-48	-0.007	0.012	0.555	0.007	210.864	TRUE	1.09E-45
Overall COPD	TLR4	rs10984107	G	A	-0.056	0.008	0.438	2.61E-12	0.009	0.007	0.175	0.002	48.960	TRUE	2.77E-11
Overall COPD	TLR4	rs111784632	G	A	-0.155	0.025	0.032	6.65E-10	0.004	0.017	0.828	0.001	38.118	TRUE	1.51E-09
Overall COPD	TLR4	rs113892618	A	G	-0.255	0.023	0.036	9.62E-30	0.007	0.017	0.679	0.004	128.298	TRUE	1.57E-28
Overall COPD	TLR4	rs116429249	G	A	0.221	0.026	0.026	2.65E-17	0.041	0.023	0.074	0.002	71.588	TRUE	1.02E-15
Overall COPD	TLR4	rs117004336	T	C	-0.275	0.029	0.022	3.24E-21	-0.003	0.021	0.877	0.003	89.384	TRUE	1.65E-20

Overall COPD	TLR4	rs11789369	G	T	0.521	0.022	0.037	1.60E-123	0.010	0.021	0.649	0.017	558.682	TRUE	1.90E-118
Overall COPD	TLR4	rs117894970	C	T	-0.231	0.032	0.019	8.63E-13	0.004	0.027	0.885	0.002	51.131	TRUE	2.26E-12
Overall COPD	TLR4	rs117902290	C	T	-0.455	0.050	0.013	4.92E-20	-0.006	0.038	0.882	0.003	84.007	TRUE	2.26E-19
Overall COPD	TLR4	rs11790592	T	C	0.238	0.033	0.018	2.55E-13	-0.045	0.027	0.098	0.002	53.521	TRUE	4.50E-12
Overall COPD	TLR4	rs11792933	G	A	-0.113	0.008	0.461	4.10E-45	-0.006	0.007	0.439	0.006	198.645	TRUE	6.10E-43
Overall COPD	TLR4	rs11795285	T	C	-0.263	0.021	0.039	8.69E-37	0.029	0.018	0.111	0.005	160.514	TRUE	3.24E-34
Overall COPD	TLR4	rs117975766	T	C	0.306	0.048	0.018	1.39E-10	0.023	0.028	0.421	0.001	41.180	TRUE	6.32E-10
Overall COPD	TLR4	rs118011821	C	T	0.188	0.023	0.035	1.60E-16	-0.004	0.018	0.820	0.002	68.036	TRUE	6.29E-16
Overall COPD	TLR4	rs118147675	T	G	-0.466	0.027	0.024	4.35E-68	0.031	0.021	0.148	0.010	304.016	TRUE	4.43E-64
Overall COPD	TLR4	rs12376936	A	G	0.274	0.010	0.201	2.66E-171	-0.003	0.008	0.758	0.024	778.367	TRUE	2.46E-164
Overall COPD	TLR4	rs13297106	C	A	0.051	0.009	0.310	3.64E-09	-0.010	0.007	0.158	0.001	34.808	TRUE	2.57E-08
Overall COPD	TLR4	rs145625125	T	C	-0.451	0.023	0.035	7.52E-88	-0.021	0.020	0.296	0.012	394.762	TRUE	1.92E-83
Overall COPD	TLR4	rs148762810	T	C	-0.384	0.030	0.021	6.52E-38	0.064	0.024	0.009	0.005	165.663	TRUE	2.51E-34
Overall COPD	TLR4	rs150049739	A	G	0.192	0.024	0.031	1.95E-15	-0.002	0.021	0.942	0.002	63.113	TRUE	5.67E-15
Overall COPD	TLR4	rs16906800	C	T	-0.066	0.010	0.205	2.29E-11	0.006	0.008	0.473	0.001	44.705	TRUE	1.03E-10
Overall COPD	TLR4	rs1930704	A	G	-0.076	0.010	0.220	2.40E-15	0.006	0.008	0.489	0.002	62.703	TRUE	1.60E-14
Overall COPD	TLR4	rs1934486	T	C	0.181	0.024	0.029	1.26E-13	-0.001	0.019	0.977	0.002	54.904	TRUE	3.04E-13
Overall COPD	TLR4	rs2149356	T	G	0.142	0.008	0.334	6.53E-64	-0.010	0.007	0.192	0.009	284.849	TRUE	2.76E-60
Overall COPD	TLR4	rs2722844	A	G	-0.091	0.009	0.279	4.26E-25	-0.003	0.008	0.714	0.003	107.083	TRUE	4.26E-24
Overall COPD	TLR4	rs34473603	G	T	0.062	0.009	0.329	2.71E-13	-0.006	0.008	0.422	0.002	53.406	TRUE	1.67E-12
Overall COPD	TLR4	rs4520237	G	A	0.136	0.024	0.028	1.90E-08	-0.007	0.021	0.738	0.001	31.594	TRUE	4.28E-08
Overall COPD	TLR4	rs4837536	A	G	0.086	0.013	0.111	1.44E-11	-0.006	0.011	0.579	0.001	45.605	TRUE	5.53E-11
Overall COPD	TLR4	rs495533	G	A	-0.048	0.008	0.416	2.42E-09	0.011	0.007	0.128	0.001	35.600	TRUE	1.96E-08
Overall COPD	TLR4	rs62571692	C	T	0.272	0.028	0.024	1.10E-22	-0.017	0.022	0.440	0.003	96.089	TRUE	1.75E-21
Overall COPD	TLR4	rs62571811	G	A	-0.458	0.040	0.014	6.59E-31	0.008	0.032	0.798	0.004	133.621	TRUE	8.75E-30
Overall COPD	TLR4	rs62573585	T	C	-0.183	0.011	0.157	4.40E-63	0.005	0.009	0.596	0.009	281.045	TRUE	1.92E-60
Overall COPD	TLR4	rs7021038	T	C	0.089	0.008	0.430	9.46E-29	-0.013	0.007	0.061	0.004	123.762	TRUE	2.14E-26
Overall COPD	TLR4	rs7039637	C	A	0.408	0.010	0.196	0.00E+00	0.006	0.008	0.473	0.052	1746.142	TRUE	0.00E+00
Overall COPD	TLR4	rs7042295	A	G	0.080	0.014	0.092	4.70E-09	-0.007	0.015	0.630	0.001	34.307	TRUE	1.30E-08
Overall COPD	TLR4	rs7046020	T	C	-0.120	0.009	0.292	3.13E-43	0.006	0.008	0.471	0.006	190.018	TRUE	3.42E-41
Overall COPD	TLR4	rs7047116	A	G	-0.078	0.008	0.418	2.40E-22	0.019	0.007	0.005	0.003	94.535	TRUE	9.54E-20
Overall COPD	TLR4	rs71507521	A	G	-0.424	0.059	0.014	4.79E-13	0.051	0.035	0.148	0.002	52.287	TRUE	6.28E-12
Overall COPD	TLR4	rs72749877	G	T	0.172	0.020	0.045	3.30E-17	-0.013	0.017	0.441	0.002	71.155	TRUE	2.98E-16
Overall COPD	TLR4	rs72754110	T	G	-0.098	0.016	0.077	1.42E-09	0.004	0.011	0.748	0.001	36.639	TRUE	3.49E-09
Overall COPD	TLR4	rs72766133	T	C	0.215	0.028	0.023	7.26E-15	-0.042	0.022	0.062	0.002	60.521	TRUE	2.13E-13
Overall COPD	TLR4	rs74954164	A	G	0.371	0.051	0.014	2.39E-13	-0.016	0.033	0.623	0.002	53.655	TRUE	1.01E-12
Overall COPD	TLR4	rs75179917	A	G	0.144	0.019	0.052	1.17E-13	-0.018	0.016	0.271	0.002	55.056	TRUE	1.09E-12
Overall COPD	TLR4	rs75929684	T	C	-0.124	0.016	0.072	5.15E-15	-0.015	0.013	0.256	0.002	61.198	TRUE	5.96E-14
Overall COPD	TLR4	rs76173069	A	G	0.157	0.019	0.047	2.52E-16	-0.007	0.017	0.663	0.002	67.141	TRUE	1.30E-15
Overall COPD	TLR4	rs76438024	T	C	-0.108	0.011	0.145	8.10E-22	0.007	0.009	0.465	0.003	92.127	TRUE	1.10E-20
Overall COPD	TLR4	rs76480816	A	G	0.157	0.020	0.041	1.05E-14	-0.019	0.018	0.286	0.002	59.802	TRUE	1.07E-13
Overall COPD	TLR4	rs76745334	G	A	0.180	0.031	0.019	8.01E-09	-0.012	0.024	0.636	0.001	33.270	TRUE	2.14E-08

Overall COPD	TLR4	rs77627260	T	C	0.305	0.017	0.061	6.78E-72	0.004	0.014	0.801	0.010	321.493	TRUE	2.92E-69
Overall COPD	TLR4	rs781315	G	A	-0.440	0.010	0.167	0.00E+00	0.018	0.009	0.047	0.054	1797.815	TRUE	0.00E+00
Overall COPD	TLR4	rs781325	T	G	0.145	0.010	0.203	6.64E-49	-0.010	0.009	0.262	0.007	216.016	TRUE	3.39E-46
Overall COPD	TLR4	rs7846865	C	T	0.429	0.032	0.019	1.33E-41	-0.004	0.027	0.891	0.006	182.558	TRUE	3.28E-40
Overall COPD	TLR4	rs78555767	A	G	0.253	0.022	0.036	2.50E-30	0.014	0.017	0.405	0.004	130.975	TRUE	9.67E-29
Overall COPD	TLR4	rs7873637	G	A	-0.119	0.011	0.168	6.33E-29	0.013	0.009	0.152	0.004	124.562	TRUE	6.50E-27
Overall COPD	TLR4	rs79230634	A	G	0.189	0.030	0.021	2.00E-10	-0.005	0.023	0.842	0.001	40.468	TRUE	4.63E-10
Overall COPD	TLR4	rs79448384	T	C	0.091	0.015	0.082	1.26E-09	-0.017	0.013	0.185	0.001	36.864	TRUE	8.80E-09
Overall COPD	TLR4	rs79896024	G	A	-0.469	0.032	0.019	1.98E-47	0.032	0.020	0.118	0.007	209.264	TRUE	2.51E-44
Overall COPD	TLR4	rs80307840	G	A	0.111	0.018	0.054	1.57E-09	-0.016	0.016	0.323	0.001	36.438	TRUE	7.67E-09
Overall COPD	TMBIM6	rs11169078	T	G	-0.290	0.040	0.022	5.61E-13	-0.004	0.022	0.848	0.002	51.975	TRUE	1.58E-12
Overall COPD	TMBIM6	rs11837639	A	G	0.176	0.016	0.064	1.13E-27	-0.035	0.013	0.007	0.004	118.837	TRUE	9.45E-25
Overall COPD	TMBIM6	rs148343700	C	T	-0.240	0.027	0.025	3.86E-19	-0.038	0.022	0.090	0.003	79.936	TRUE	1.69E-17
Overall COPD	TMBIM6	rs7972360	T	G	-0.130	0.023	0.037	2.39E-08	0.030	0.033	0.376	0.001	31.150	TRUE	9.03E-08
Overall COPD	TMEM150A	rs142825030	T	C	-0.127	0.010	0.219	6.60E-40	-0.016	0.008	0.045	0.005	174.794	TRUE	8.82E-37
Overall COPD	TMEM150A	rs4240202	G	T	-0.089	0.008	0.395	1.09E-27	0.000	0.007	0.997	0.004	118.916	TRUE	6.95E-27
Overall COPD	TMEM150A	rs55759724	A	T	0.149	0.018	0.055	1.08E-16	-0.009	0.015	0.531	0.002	68.819	TRUE	7.52E-16
Overall COPD	TMEM150A	rs719023	T	C	-0.071	0.008	0.407	2.64E-18	0.007	0.007	0.355	0.002	76.138	TRUE	3.35E-17
Overall COPD	TNF	rs1121800	A	T	0.297	0.012	0.399	2.23E-132	-0.019	0.007	0.006	0.019	599.393	TRUE	7.27E-123
Overall COPD	TNF	rs114205738	C	T	-0.178	0.028	0.048	3.13E-10	0.031	0.016	0.054	0.001	39.589	TRUE	4.47E-09
Overall COPD	TNF	rs1144708	T	C	-0.087	0.013	0.375	4.43E-12	0.018	0.007	0.012	0.002	47.920	TRUE	1.72E-10
Overall COPD	TNF	rs115005201	G	A	0.096	0.016	0.491	3.72E-09	0.020	0.016	0.219	0.001	34.761	TRUE	2.20E-08
Overall COPD	TNF	rs11575839	A	G	-0.233	0.034	0.042	6.98E-12	0.011	0.021	0.594	0.001	47.029	TRUE	2.69E-11
Overall COPD	TNF	rs11575842	A	G	-0.217	0.018	0.133	3.04E-34	0.014	0.010	0.169	0.005	148.874	TRUE	5.31E-32
Overall COPD	TNF	rs117997480	A	G	0.232	0.034	0.034	4.77E-12	-0.005	0.021	0.796	0.002	47.776	TRUE	1.35E-11
Overall COPD	TNF	rs17881225	C	G	-0.117	0.021	0.118	2.54E-08	0.013	0.013	0.316	0.001	31.025	TRUE	1.07E-07
Overall COPD	TNF	rs2442725	T	C	0.110	0.014	0.375	1.17E-14	-0.014	0.007	0.060	0.002	59.582	TRUE	3.36E-13
Overall COPD	TNF	rs3093542	C	G	-0.205	0.029	0.046	1.46E-12	0.019	0.018	0.308	0.002	50.092	TRUE	1.08E-11
Overall COPD	TNF	rs3130975	T	C	-0.101	0.013	0.280	7.97E-14	0.013	0.007	0.078	0.002	55.809	TRUE	1.73E-12
Overall COPD	TNF	rs3828905	G	A	-0.084	0.013	0.311	1.83E-10	-0.008	0.007	0.287	0.001	40.638	TRUE	1.09E-09
Overall COPD	TNF	rs3897530	T	G	-0.169	0.026	0.176	1.40E-10	-0.001	0.012	0.920	0.001	41.157	TRUE	2.95E-10
Overall COPD	TNFRSF10B	rs111238248	T	G	0.550	0.020	0.051	1.39E-174	0.012	0.015	0.433	0.024	793.460	TRUE	1.75E-166
Overall COPD	TNFRSF10B	rs112093954	A	G	0.227	0.027	0.025	1.14E-16	0.018	0.021	0.396	0.002	68.710	TRUE	1.08E-15
Overall COPD	TNFRSF10B	rs112526106	A	G	0.459	0.031	0.021	4.28E-48	-0.008	0.021	0.690	0.007	212.306	TRUE	3.40E-46
Overall COPD	TNFRSF10B	rs11779484	C	T	-0.085	0.015	0.077	1.46E-08	-0.010	0.013	0.449	0.001	32.101	TRUE	5.02E-08
Overall COPD	TNFRSF10B	rs12546238	T	C	-0.189	0.013	0.106	2.00E-48	-0.018	0.012	0.122	0.007	213.819	TRUE	2.74E-45
Overall COPD	TNFRSF10B	rs141868416	T	C	0.194	0.029	0.023	2.16E-11	0.037	0.027	0.161	0.001	44.815	TRUE	2.12E-10
Overall COPD	TNFRSF10B	rs34407287	C	T	0.139	0.011	0.270	8.92E-37	-0.005	0.008	0.547	0.005	160.465	TRUE	4.04E-35
Overall COPD	TNFRSF10B	rs35207185	A	C	0.219	0.011	0.183	7.26E-86	-0.001	0.010	0.906	0.012	385.643	TRUE	7.00E-83
Overall COPD	TNFRSF10B	rs4460371	T	C	0.126	0.008	0.477	1.46E-55	0.009	0.007	0.236	0.008	246.545	TRUE	1.78E-52
Overall COPD	TNFRSF10B	rs4871845	T	C	0.466	0.010	0.204	0.00E+00	0.019	0.009	0.030	0.069	2329.992	TRUE	0.00E+00
Overall COPD	TNFRSF10B	rs4871847	G	A	-0.256	0.009	0.311	5.41E-195	-0.007	0.008	0.366	0.027	887.331	TRUE	1.36E-185

Overall COPD	TNFRSF10B	rs4871850	G	A	-0.067	0.010	0.282	4.85E-11	0.015	0.008	0.081	0.001	43.236	TRUE	6.55E-10
Overall COPD	TNFRSF10B	rs4872069	A	G	-0.086	0.012	0.125	1.10E-12	-0.009	0.012	0.472	0.002	50.660	TRUE	5.72E-12
Overall COPD	TNFRSF10B	rs62501095	T	C	0.217	0.012	0.176	2.96E-68	0.010	0.010	0.326	0.010	304.782	TRUE	7.93E-65
Overall COPD	TNFRSF10B	rs62503609	T	C	0.514	0.074	0.012	3.11E-12	0.028	0.047	0.547	0.002	48.614	TRUE	1.35E-11
Overall COPD	TNFRSF10B	rs73226432	G	C	-0.083	0.014	0.088	3.87E-09	-0.015	0.011	0.186	0.001	34.685	TRUE	2.50E-08
Overall COPD	TNFRSF10B	rs78875129	C	T	-0.170	0.019	0.044	2.30E-18	0.008	0.016	0.617	0.002	76.410	TRUE	1.57E-17
Overall COPD	TNFRSF10C	rs11135700	C	G	0.119	0.014	0.094	1.10E-16	-0.016	0.012	0.200	0.002	68.786	TRUE	1.91E-15
Overall COPD	TNFRSF10C	rs112526106	A	G	-0.297	0.031	0.021	3.79E-21	-0.008	0.021	0.690	0.003	89.077	TRUE	2.84E-20
Overall COPD	TNFRSF10C	rs117646277	A	G	-0.333	0.026	0.029	5.19E-37	0.026	0.020	0.192	0.005	161.539	TRUE	1.08E-34
Overall COPD	TNFRSF10C	rs34407287	C	T	-0.086	0.011	0.270	3.35E-15	-0.005	0.008	0.547	0.002	62.046	TRUE	1.95E-14
Overall COPD	TNFRSF10C	rs4518666	C	T	0.128	0.008	0.374	1.81E-53	-0.011	0.007	0.135	0.007	236.949	TRUE	3.90E-50
Overall COPD	TNFRSF10C	rs4871850	G	A	0.074	0.010	0.282	3.69E-13	0.015	0.008	0.081	0.002	52.798	TRUE	7.05E-12
Overall COPD	TNFRSF10C	rs4872060	A	G	0.087	0.008	0.355	2.80E-25	-0.005	0.008	0.520	0.003	107.912	TRUE	4.64E-24
Overall COPD	TNFRSF10C	rs6557616	G	C	-0.317	0.010	0.199	1.48E-229	0.024	0.009	0.005	0.032	1046.334	TRUE	6.57E-214
Overall COPD	TNFRSF10C	rs6988487	A	G	-0.108	0.016	0.070	3.88E-12	-0.001	0.014	0.957	0.002	48.180	TRUE	8.68E-12
Overall COPD	TNFRSF10C	rs7464769	C	T	0.066	0.012	0.127	3.05E-08	-0.006	0.010	0.570	0.001	30.672	TRUE	8.44E-08
Overall COPD	TRAF5	rs111798493	G	A	-0.457	0.023	0.034	2.52E-87	-0.010	0.018	0.562	0.012	392.349	TRUE	1.30E-83
Overall COPD	TRAF5	rs114920483	G	A	0.173	0.023	0.032	1.84E-13	0.000	0.020	0.988	0.002	54.169	TRUE	4.30E-13
Overall COPD	TRAF5	rs12082508	T	G	-0.095	0.013	0.103	4.27E-13	0.003	0.011	0.785	0.002	52.513	TRUE	1.34E-12
Overall COPD	TRAF5	rs12143280	C	T	-0.181	0.020	0.051	2.17E-20	0.007	0.014	0.631	0.003	85.628	TRUE	1.73E-19
Overall COPD	TRAF5	rs1285978	C	T	0.063	0.010	0.206	1.92E-10	0.001	0.009	0.905	0.001	40.544	TRUE	4.08E-10
Overall COPD	TRAF5	rs142741690	C	G	0.198	0.022	0.036	5.43E-19	0.034	0.018	0.052	0.002	79.262	TRUE	3.35E-17
Overall COPD	TRAF5	rs149463261	T	G	0.229	0.029	0.022	1.49E-15	-0.037	0.033	0.266	0.002	63.635	TRUE	1.79E-14
Overall COPD	TRAF5	rs17017204	T	G	-0.112	0.013	0.099	2.87E-17	-0.006	0.012	0.619	0.002	71.428	TRUE	1.76E-16
Overall COPD	TRAF5	rs3125835	T	A	0.073	0.012	0.138	2.53E-10	-0.005	0.010	0.624	0.001	40.003	TRUE	7.99E-10
Overall COPD	TRAF5	rs4951523	T	G	0.165	0.008	0.386	4.92E-92	0.018	0.007	0.009	0.013	413.985	TRUE	4.19E-85
Overall COPD	TRAF5	rs55657443	T	A	-0.093	0.011	0.155	2.23E-17	-0.029	0.009	9.81E-04	0.002	71.930	TRUE	6.93E-15
Overall COPD	TRAF5	rs55960291	C	T	0.045	0.008	0.422	1.81E-08	0.002	0.007	0.815	0.001	31.684	TRUE	3.71E-08
Overall COPD	TRAF5	rs61827411	A	G	-0.109	0.018	0.054	5.80E-10	-0.017	0.014	0.232	0.001	38.386	TRUE	3.70E-09
Overall COPD	TRAF5	rs75433649	A	G	-0.102	0.017	0.062	8.00E-10	-0.013	0.014	0.353	0.001	37.759	TRUE	3.80E-09
Overall COPD	TRAF5	rs755448	A	G	0.138	0.012	0.116	8.86E-29	0.001	0.011	0.912	0.004	123.891	TRUE	7.51E-28
Overall COPD	TRAF5	rs80085912	T	C	-0.153	0.023	0.036	1.35E-11	-0.004	0.018	0.830	0.001	45.738	TRUE	3.50E-11
Overall COPD	UNC13D	rs113062332	A	G	-0.151	0.024	0.032	1.40E-10	-0.017	0.020	0.375	0.001	41.160	TRUE	6.98E-10
Overall COPD	UNC13D	rs146775727	T	C	-0.199	0.036	0.018	3.69E-08	0.033	0.026	0.204	0.001	30.305	TRUE	1.95E-07
Overall COPD	UNC13D	rs147677775	A	G	-0.253	0.025	0.027	2.18E-24	0.020	0.022	0.367	0.003	103.842	TRUE	5.18E-23
Overall COPD	UNC13D	rs2290769	C	G	-0.244	0.010	0.200	4.28E-135	0.015	0.009	0.095	0.019	611.883	TRUE	2.56E-127
Overall COPD	UNC13D	rs2305347	T	C	-0.063	0.011	0.166	6.07E-09	-0.001	0.009	0.883	0.001	33.810	TRUE	1.19E-08
Overall COPD	UNC13D	rs2444842	A	G	-0.079	0.012	0.183	3.46E-11	-0.008	0.009	0.424	0.001	43.893	TRUE	1.68E-10
Overall COPD	UNC13D	rs55853884	T	C	0.117	0.021	0.042	2.60E-08	-0.010	0.018	0.582	0.001	30.983	TRUE	7.12E-08
Overall COPD	UNC13D	rs9915313	T	G	-0.071	0.011	0.259	1.56E-10	0.013	0.008	0.134	0.001	40.947	TRUE	1.50E-09
Overall COPD	UNC13D	rs9916685	A	G	0.258	0.019	0.050	6.54E-41	-0.023	0.016	0.153	0.006	179.394	TRUE	2.79E-38
Overall COPD	USP30	rs11066777	T	C	0.178	0.011	0.161	1.87E-61	-0.005	0.009	0.603	0.009	273.582	TRUE	6.82E-59

Overall COPD	USP30	rs112003965	T	C	-0.277	0.015	0.080	9.66E-81	0.026	0.012	0.036	0.011	362.108	TRUE	3.33E-75
Overall COPD	USP30	rs139129122	C	T	0.051	0.009	0.312	4.43E-08	-0.008	0.008	0.323	0.001	29.950	TRUE	1.78E-07
Overall COPD	USP30	rs151228295	A	G	-0.165	0.029	0.021	2.22E-08	0.001	0.024	0.966	0.001	31.289	TRUE	3.75E-08
Overall COPD	USP30	rs2541886	T	G	-0.065	0.008	0.469	5.39E-16	0.014	0.007	0.044	0.002	65.645	TRUE	2.31E-14
Overall COPD	USP30	rs4296113	C	T	-0.095	0.009	0.234	7.53E-24	0.008	0.008	0.349	0.003	101.390	TRUE	1.78E-22
Overall COPD	USP30	rs4964285	T	C	0.050	0.009	0.314	8.17E-09	-0.012	0.008	0.107	0.001	33.233	TRUE	6.62E-08
Overall COPD	USP33	rs1963170	A	G	-0.092	0.009	0.307	1.97E-26	0.018	0.008	0.015	0.004	113.177	TRUE	8.69E-24
Overall COPD	USP33	rs2274124	G	C	0.107	0.016	0.078	3.10E-11	-0.018	0.012	0.153	0.001	44.108	TRUE	3.06E-10
Overall COPD	USP33	rs7525538	T	C	-0.165	0.025	0.027	7.47E-11	0.011	0.021	0.603	0.001	42.391	TRUE	2.56E-10
Overall COPD	VDAC2	rs11001335	T	C	-0.088	0.015	0.080	1.34E-08	-0.020	0.012	0.093	0.001	32.270	TRUE	1.12E-07
Overall COPD	VDAC2	rs1259604	G	A	0.060	0.009	0.367	3.59E-12	-0.012	0.007	0.099	0.002	48.336	TRUE	5.24E-11
Overall COPD	VPS4A	rs11075714	G	A	0.097	0.009	0.298	1.68E-28	0.020	0.007	0.005	0.004	122.626	TRUE	2.05E-25
Overall COPD	VPS4A	rs111625081	A	G	0.128	0.023	0.033	3.55E-08	-0.009	0.019	0.621	0.001	30.380	TRUE	9.10E-08
Overall COPD	WAC	rs11007107	A	G	0.083	0.011	0.169	9.23E-15	0.011	0.009	0.224	0.002	60.049	TRUE	1.15E-13
Overall COPD	WAC	rs11812415	C	T	-0.328	0.060	0.013	4.91E-08	-0.051	0.039	0.193	0.001	29.749	TRUE	2.63E-07
Overall COPD	WAC	rs12246494	C	T	-0.103	0.008	0.478	2.69E-37	-0.004	0.007	0.584	0.005	162.844	TRUE	1.14E-35
Overall COPD	WAC	rs139433811	T	C	-0.160	0.023	0.038	1.38E-12	0.012	0.018	0.503	0.002	50.208	TRUE	6.72E-12
Overall COPD	WAC	rs150825076	T	C	0.143	0.022	0.036	1.40E-10	0.013	0.019	0.508	0.001	41.154	TRUE	5.48E-10
Overall COPD	WAC	rs150871434	C	A	0.209	0.028	0.026	5.66E-14	0.042	0.020	0.041	0.002	56.484	TRUE	1.78E-12
Overall COPD	WAC	rs151047692	A	G	0.251	0.025	0.033	4.63E-23	0.017	0.019	0.384	0.003	97.794	TRUE	9.04E-22
Overall COPD	WAC	rs182451824	A	G	-0.289	0.046	0.014	2.68E-10	-0.007	0.034	0.832	0.001	39.889	TRUE	6.24E-10
Overall COPD	WAC	rs332192	T	C	-0.148	0.009	0.322	2.49E-64	-0.004	0.011	0.699	0.009	286.769	TRUE	8.12E-62
Overall COPD	WAC	rs3893072	C	T	-0.064	0.008	0.357	3.22E-14	0.003	0.007	0.718	0.002	57.589	TRUE	1.25E-13
Overall COPD	WAC	rs61846498	A	G	-0.256	0.046	0.014	2.18E-08	0.011	0.030	0.703	0.001	31.329	TRUE	5.11E-08
Overall COPD	WAC	rs61848530	T	C	-0.161	0.010	0.229	9.51E-64	-0.012	0.008	0.154	0.009	284.101	TRUE	5.56E-60
Overall COPD	WAC	rs72809619	A	G	0.221	0.033	0.019	1.85E-11	0.006	0.024	0.798	0.001	45.118	TRUE	4.98E-11
Overall COPD	WAC	rs75561131	C	T	-0.127	0.019	0.047	2.80E-11	0.000	0.016	0.994	0.001	44.311	TRUE	5.58E-11
Overall COPD	WAC	rs76841797	T	C	0.316	0.024	0.035	4.38E-39	0.037	0.018	0.048	0.005	171.033	TRUE	5.03E-36
Overall COPD	WAC	rs77535274	T	C	-0.138	0.018	0.056	1.83E-14	-0.010	0.016	0.513	0.002	58.702	TRUE	1.06E-13
Overall COPD	WDR24	rs1076939	G	T	0.147	0.013	0.337	4.64E-31	-0.016	0.008	0.051	0.004	134.317	TRUE	1.68E-28
Overall COPD	WDR24	rs11248944	C	A	0.286	0.012	0.251	1.20E-131	-0.026	0.008	0.001	0.018	596.035	TRUE	2.32E-121
Overall COPD	WDR24	rs117588436	T	C	0.473	0.064	0.016	1.72E-13	-0.011	0.029	0.704	0.002	54.302	TRUE	6.38E-13
Overall COPD	WDR24	rs145255564	T	C	-0.107	0.016	0.177	2.40E-11	0.011	0.010	0.289	0.001	44.614	TRUE	1.59E-10
Overall COPD	WDR24	rs191844540	A	G	0.323	0.053	0.017	1.44E-09	0.005	0.024	0.821	0.001	36.607	TRUE	3.21E-09
Overall COPD	WDR24	rs62032510	T	C	-0.114	0.013	0.318	1.15E-19	-0.005	0.008	0.495	0.003	82.335	TRUE	1.17E-18
Overall COPD	WDR24	rs62032549	A	C	-0.077	0.013	0.297	7.65E-09	0.011	0.008	0.169	0.001	33.360	TRUE	4.96E-08
Overall COPD	WDR24	rs7196963	C	T	0.061	0.011	0.320	3.38E-08	0.004	0.008	0.569	0.001	30.475	TRUE	9.31E-08
Overall COPD	WDR24	rs77494856	C	G	-0.089	0.014	0.133	3.31E-10	-0.006	0.010	0.538	0.001	39.481	TRUE	1.18E-09
Overall COPD	WDR24	rs8058486	T	C	-0.097	0.014	0.381	8.38E-13	0.010	0.008	0.216	0.002	51.188	TRUE	8.28E-12
Overall COPD	WDR24	rs9929621	T	C	-0.100	0.014	0.163	8.27E-13	0.015	0.010	0.107	0.002	51.214	TRUE	1.28E-11
COPD in ever smokers	AP3D1	rs10413398	C	T	-0.264	0.011	0.228	2.69E-131	-0.010	0.018	0.585	0.018	594.415	TRUE	6.87E-103
COPD in ever smokers	AP3D1	rs12608455	C	T	-0.075	0.012	0.428	1.31E-10	0.004	0.016	0.818	0.001	41.294	TRUE	1.56E-08

COPD in ever smokers	AP3D1	rs12974547	A	G	0.081	0.009	0.428	1.97E-20	0.044	0.015	0.004	0.003	85.816	TRUE	2.35E-12
COPD in ever smokers	AP3D1	rs150003099	A	G	-0.277	0.045	0.017	5.46E-10	-0.040	0.067	0.547	0.001	38.505	TRUE	1.21E-07
COPD in ever smokers	AP3D1	rs6510652	T	G	0.093	0.016	0.092	5.18E-09	0.006	0.026	0.827	0.001	34.117	TRUE	2.81E-07
COPD in ever smokers	AP3D1	rs78463393	A	G	-0.108	0.019	0.067	5.10E-09	-0.027	0.031	0.385	0.001	34.148	TRUE	1.23E-06
COPD in ever smokers	AP3D1	rs78523746	T	C	-0.203	0.028	0.035	5.75E-13	0.030	0.038	0.427	0.002	51.926	TRUE	1.04E-09
COPD in ever smokers	AP3D1	rs9967630	A	G	0.117	0.010	0.271	6.99E-29	-0.007	0.017	0.685	0.004	124.362	TRUE	1.05E-22
COPD in ever smokers	ARF1	rs1188975	T	C	0.097	0.014	0.094	1.85E-12	0.051	0.027	0.053	0.002	49.632	TRUE	4.96E-08
COPD in ever smokers	ARF1	rs964941	G	A	0.058	0.008	0.468	3.87E-13	0.038	0.015	0.010	0.002	52.704	TRUE	8.10E-08
COPD in ever smokers	ASAH1	rs10503644	A	G	0.327	0.008	0.455	0.00E+00	0.038	0.015	0.013	0.053	1768.340	TRUE	1.72E-287
COPD in ever smokers	ASAH1	rs11203936	G	A	-0.078	0.009	0.296	3.40E-19	0.020	0.017	0.235	0.003	80.187	TRUE	6.67E-14
COPD in ever smokers	ASAH1	rs112393816	G	A	-0.144	0.019	0.052	4.77E-14	0.019	0.042	0.656	0.002	56.818	TRUE	5.57E-11
COPD in ever smokers	ASAH1	rs112686215	A	G	-0.239	0.030	0.020	4.45E-15	0.015	0.049	0.765	0.002	61.487	TRUE	5.51E-12
COPD in ever smokers	ASAH1	rs114187511	C	T	0.157	0.023	0.032	6.94E-12	0.025	0.041	0.546	0.001	47.040	TRUE	4.18E-09
COPD in ever smokers	ASAH1	rs116993539	A	G	-0.183	0.023	0.036	6.23E-16	0.038	0.043	0.369	0.002	65.360	TRUE	7.73E-12
COPD in ever smokers	ASAH1	rs117026820	C	T	0.095	0.017	0.060	2.81E-08	0.016	0.031	0.619	0.001	30.834	TRUE	1.99E-06
COPD in ever smokers	ASAH1	rs11787012	C	T	-0.200	0.025	0.028	1.43E-15	-0.025	0.044	0.568	0.002	63.718	TRUE	5.31E-12
COPD in ever smokers	ASAH1	rs118003188	C	T	-0.154	0.027	0.023	1.59E-08	-0.026	0.051	0.617	0.001	31.941	TRUE	1.29E-06
COPD in ever smokers	ASAH1	rs12545528	T	G	0.072	0.008	0.402	5.80E-19	0.010	0.015	0.490	0.002	79.130	TRUE	1.84E-14
COPD in ever smokers	ASAH1	rs13248171	A	G	-0.323	0.028	0.026	7.89E-30	0.035	0.041	0.390	0.004	128.693	TRUE	1.40E-22
COPD in ever smokers	ASAH1	rs13270851	A	C	0.162	0.017	0.055	1.55E-20	0.039	0.033	0.227	0.003	86.284	TRUE	7.03E-15
COPD in ever smokers	ASAH1	rs13278381	A	G	0.428	0.008	0.379	0.00E+00	0.035	0.015	0.023	0.086	2971.983	TRUE	0.00E+00
COPD in ever smokers	ASAH1	rs13282340	C	T	-0.076	0.011	0.189	6.75E-12	-0.036	0.023	0.116	0.001	47.095	TRUE	5.00E-08
COPD in ever smokers	ASAH1	rs1353037	C	T	0.066	0.010	0.218	5.45E-11	-0.003	0.018	0.872	0.001	43.004	TRUE	6.50E-09
COPD in ever smokers	ASAH1	rs138225715	T	C	-0.231	0.032	0.020	2.22E-13	0.004	0.052	0.935	0.002	53.793	TRUE	6.40E-11
COPD in ever smokers	ASAH1	rs138892153	G	T	0.156	0.028	0.021	2.14E-08	0.036	0.047	0.448	0.001	31.360	TRUE	2.86E-06
COPD in ever smokers	ASAH1	rs139094450	A	G	0.336	0.040	0.015	2.71E-17	0.051	0.071	0.469	0.002	71.543	TRUE	4.00E-13
COPD in ever smokers	ASAH1	rs140019911	C	T	0.227	0.037	0.017	1.36E-09	-0.051	0.058	0.374	0.001	36.717	TRUE	4.79E-07
COPD in ever smokers	ASAH1	rs140852838	A	G	0.365	0.029	0.023	1.87E-36	-0.011	0.068	0.875	0.005	158.987	TRUE	3.26E-29
COPD in ever smokers	ASAH1	rs144123383	A	G	0.392	0.031	0.021	1.18E-36	0.023	0.054	0.679	0.005	159.906	TRUE	8.17E-29
COPD in ever smokers	ASAH1	rs147915438	A	G	-0.303	0.029	0.026	5.03E-26	-0.008	0.047	0.858	0.004	111.317	TRUE	7.29E-21
COPD in ever smokers	ASAH1	rs1493042	A	C	0.102	0.010	0.193	4.90E-24	0.009	0.019	0.644	0.003	102.243	TRUE	8.67E-19
COPD in ever smokers	ASAH1	rs17467420	T	G	-0.303	0.022	0.040	2.56E-43	-0.044	0.037	0.233	0.006	190.417	TRUE	2.95E-32
COPD in ever smokers	ASAH1	rs17515264	C	T	-0.343	0.013	0.108	2.06E-161	-0.010	0.023	0.671	0.023	732.883	TRUE	4.67E-127
COPD in ever smokers	ASAH1	rs17517068	G	A	0.105	0.019	0.047	2.97E-08	0.035	0.032	0.273	0.001	30.725	TRUE	7.48E-06
COPD in ever smokers	ASAH1	rs17592494	G	A	0.401	0.019	0.047	2.93E-102	0.096	0.034	0.005	0.014	460.957	TRUE	5.42E-72
COPD in ever smokers	ASAH1	rs185743521	A	G	-0.401	0.054	0.016	1.38E-13	-0.051	0.050	0.308	0.002	54.733	TRUE	6.61E-10
COPD in ever smokers	ASAH1	rs191912559	A	G	-0.193	0.031	0.021	5.92E-10	-0.102	0.057	0.072	0.001	38.346	TRUE	2.05E-06
COPD in ever smokers	ASAH1	rs1968042	C	T	0.181	0.010	0.275	4.80E-80	0.032	0.017	0.058	0.011	358.915	TRUE	2.43E-58
COPD in ever smokers	ASAH1	rs209977	G	A	0.173	0.028	0.027	3.68E-10	-0.051	0.045	0.260	0.001	39.275	TRUE	3.13E-07
COPD in ever smokers	ASAH1	rs2410477	G	A	0.068	0.009	0.297	6.35E-15	0.002	0.017	0.902	0.002	60.786	TRUE	4.21E-12
COPD in ever smokers	ASAH1	rs2517215	C	T	0.050	0.008	0.342	1.83E-09	0.041	0.016	0.010	0.001	36.149	TRUE	2.28E-05
COPD in ever smokers	ASAH1	rs28383681	G	A	0.169	0.029	0.020	6.09E-09	-0.062	0.058	0.290	0.001	33.803	TRUE	2.14E-06

COPD in ever smokers	ASAH1	rs2904725	C	A	0.075	0.011	0.450	5.08E-12	0.016	0.017	0.325	0.002	47.651	TRUE	9.04E-09
COPD in ever smokers	ASAH1	rs2979775	G	A	0.050	0.009	0.300	2.29E-08	-0.002	0.016	0.900	0.001	31.233	TRUE	7.37E-07
COPD in ever smokers	ASAH1	rs2979776	A	C	0.088	0.008	0.480	1.34E-28	0.039	0.015	0.009	0.004	123.078	TRUE	1.60E-18
COPD in ever smokers	ASAH1	rs34771733	C	A	-0.225	0.024	0.035	1.02E-20	-0.008	0.036	0.830	0.003	87.115	TRUE	1.40E-16
COPD in ever smokers	ASAH1	rs366298	T	C	0.086	0.015	0.077	6.44E-09	0.023	0.029	0.432	0.001	33.696	TRUE	1.22E-06
COPD in ever smokers	ASAH1	rs3850743	G	A	-0.241	0.027	0.029	1.06E-19	-0.034	0.039	0.391	0.003	82.482	TRUE	8.89E-15
COPD in ever smokers	ASAH1	rs441517	A	G	0.222	0.009	0.294	1.97E-146	-0.001	0.017	0.960	0.021	664.002	TRUE	6.01E-117
COPD in ever smokers	ASAH1	rs4921581	A	G	0.132	0.008	0.333	1.07E-54	0.018	0.016	0.271	0.008	242.583	TRUE	3.04E-41
COPD in ever smokers	ASAH1	rs55831225	A	G	0.448	0.022	0.035	1.89E-89	-0.004	0.035	0.913	0.013	402.115	TRUE	1.59E-71
COPD in ever smokers	ASAH1	rs58577175	A	G	-0.146	0.019	0.046	1.26E-14	0.023	0.037	0.532	0.002	59.437	TRUE	3.37E-11
COPD in ever smokers	ASAH1	rs62493051	T	G	0.119	0.019	0.051	1.64E-10	0.047	0.032	0.138	0.001	40.857	TRUE	4.01E-07
COPD in ever smokers	ASAH1	rs62498240	A	G	0.461	0.032	0.018	4.30E-47	0.004	0.055	0.944	0.007	207.715	TRUE	6.66E-38
COPD in ever smokers	ASAH1	rs71526156	C	T	0.166	0.020	0.042	1.01E-16	0.022	0.037	0.546	0.002	68.945	TRUE	7.51E-13
COPD in ever smokers	ASAH1	rs73666603	C	T	0.187	0.024	0.029	1.67E-14	0.082	0.052	0.113	0.002	58.884	TRUE	6.76E-10
COPD in ever smokers	ASAH1	rs73666900	T	C	-0.199	0.033	0.017	1.90E-09	0.010	0.052	0.856	0.001	36.072	TRUE	1.16E-07
COPD in ever smokers	ASAH1	rs76745328	C	A	-0.301	0.029	0.025	6.93E-26	-0.046	0.042	0.269	0.003	110.680	TRUE	4.19E-19
COPD in ever smokers	ASAH1	rs77230387	A	C	0.352	0.028	0.022	4.09E-35	0.087	0.044	0.050	0.005	152.859	TRUE	1.99E-24
COPD in ever smokers	ASAH1	rs77940935	T	C	0.176	0.024	0.032	1.12E-13	-0.035	0.044	0.427	0.002	55.142	TRUE	2.97E-10
COPD in ever smokers	ASAH1	rs77947374	T	C	0.351	0.021	0.037	3.39E-62	0.055	0.039	0.159	0.009	276.979	TRUE	3.52E-46
COPD in ever smokers	ASAH1	rs7818834	C	T	0.044	0.008	0.407	3.95E-08	0.002	0.015	0.915	0.001	30.173	TRUE	1.09E-06
COPD in ever smokers	ASAH1	rs78337862	A	G	-0.322	0.019	0.049	7.23E-62	-0.057	0.032	0.074	0.009	275.469	TRUE	6.92E-45
COPD in ever smokers	ASAH1	rs971473	T	C	0.156	0.023	0.031	1.07E-11	-0.006	0.049	0.908	0.001	46.202	TRUE	1.56E-09
COPD in ever smokers	ATP13A2	rs11203397	G	A	0.126	0.011	0.170	1.16E-28	0.030	0.020	0.133	0.004	123.354	TRUE	1.70E-20
COPD in ever smokers	ATP13A2	rs115307529	A	G	0.153	0.024	0.033	3.61E-10	0.011	0.036	0.749	0.001	39.311	TRUE	4.37E-08
COPD in ever smokers	ATP13A2	rs115736587	T	C	-0.196	0.026	0.043	3.43E-14	-0.012	0.026	0.639	0.002	57.468	TRUE	4.61E-11
COPD in ever smokers	ATP13A2	rs14126	A	G	-0.056	0.009	0.286	1.46E-10	0.010	0.017	0.552	0.001	41.080	TRUE	4.30E-08
COPD in ever smokers	ATP13A2	rs150814450	G	A	-0.236	0.030	0.022	3.76E-15	-0.012	0.043	0.784	0.002	61.820	TRUE	4.46E-12
COPD in ever smokers	ATP13A2	rs189266865	A	C	0.173	0.018	0.054	2.72E-21	0.162	0.043	1.49E-04	0.003	89.729	TRUE	1.04E-11
COPD in ever smokers	ATP13A2	rs2076615	C	A	-0.098	0.009	0.262	5.60E-27	-0.028	0.017	0.102	0.004	115.667	TRUE	5.32E-19
COPD in ever smokers	ATP13A2	rs2761502	G	T	0.064	0.012	0.265	3.92E-08	0.026	0.021	0.213	0.001	30.184	TRUE	1.24E-05
COPD in ever smokers	ATP13A2	rs4920605	G	A	-0.163	0.008	0.441	4.36E-93	-0.048	0.015	0.001	0.013	418.816	TRUE	7.05E-64
COPD in ever smokers	ATP2A1	rs4149382	G	A	-0.064	0.011	0.292	7.79E-09	0.025	0.018	0.157	0.001	33.326	TRUE	5.53E-06
COPD in ever smokers	ATP2A1	rs4788101	T	C	0.090	0.008	0.385	3.74E-28	0.039	0.015	0.010	0.004	121.037	TRUE	3.13E-18
COPD in ever smokers	ATP2A1	rs74974765	A	G	0.136	0.024	0.055	1.31E-08	0.017	0.031	0.580	0.001	32.317	TRUE	1.25E-06
COPD in ever smokers	ATP6V1D	rs117389757	A	G	0.262	0.018	0.058	8.34E-47	-0.021	0.034	0.525	0.006	206.398	TRUE	2.78E-36
COPD in ever smokers	ATP6V1D	rs147360260	C	T	0.351	0.034	0.018	1.46E-24	-0.031	0.074	0.675	0.003	104.643	TRUE	2.82E-19
COPD in ever smokers	ATP6V1D	rs28558685	A	G	0.094	0.014	0.095	1.55E-11	0.007	0.025	0.787	0.001	45.463	TRUE	3.20E-09
COPD in ever smokers	ATP6V1D	rs3742855	G	A	0.052	0.008	0.368	3.44E-10	0.032	0.016	0.041	0.001	39.403	TRUE	2.40E-06
COPD in ever smokers	ATP6V1D	rs61990942	T	C	-0.100	0.017	0.066	3.44E-09	0.049	0.028	0.082	0.001	34.914	TRUE	6.15E-06
COPD in ever smokers	ATP6V1D	rs67011955	C	T	0.166	0.023	0.032	2.89E-13	-0.014	0.052	0.786	0.002	53.275	TRUE	1.38E-10
COPD in ever smokers	ATP6V1D	rs72722500	A	G	0.123	0.022	0.037	1.85E-08	0.011	0.042	0.792	0.001	31.641	TRUE	8.54E-07
COPD in ever smokers	ATP6V1D	rs73281649	T	C	0.688	0.018	0.053	0.00E+00	-0.006	0.050	0.905	0.043	1419.262	TRUE	1.90E-245

COPD in ever smokers	ATP6V1D	rs76557054	A	G	-0.242	0.026	0.030	1.81E-20	0.045	0.048	0.353	0.003	85.979	TRUE	2.94E-15
COPD in ever smokers	ATP6V1D	rs8004936	G	A	0.156	0.008	0.373	1.21E-81	-0.032	0.016	0.041	0.011	366.245	TRUE	4.41E-59
COPD in ever smokers	BAD	rs947939	T	C	0.091	0.011	0.150	2.90E-16	0.021	0.020	0.285	0.002	66.869	TRUE	7.32E-12
COPD in ever smokers	BAG3	rs11199047	C	T	0.070	0.013	0.113	2.86E-08	-0.044	0.024	0.064	0.001	30.799	TRUE	3.30E-05
COPD in ever smokers	BAG3	rs144745150	G	A	-0.143	0.024	0.032	1.28E-09	0.015	0.039	0.693	0.001	36.838	TRUE	1.42E-07
COPD in ever smokers	BAG3	rs188789342	T	C	-0.288	0.034	0.017	2.62E-17	0.045	0.049	0.361	0.002	71.605	TRUE	7.27E-13
COPD in ever smokers	BAG3	rs196239	T	C	0.084	0.010	0.190	1.04E-16	-0.006	0.019	0.749	0.002	68.880	TRUE	3.04E-13
COPD in ever smokers	BAG3	rs196336	T	C	-0.167	0.008	0.378	3.91E-93	-0.032	0.016	0.044	0.013	419.036	TRUE	6.97E-68
COPD in ever smokers	BAG3	rs2475306	T	C	-0.077	0.008	0.323	1.40E-19	-0.009	0.016	0.568	0.003	81.937	TRUE	4.00E-15
COPD in ever smokers	BAG3	rs55980078	T	C	-0.252	0.016	0.069	4.32E-58	0.004	0.032	0.910	0.008	258.146	TRUE	1.46E-46
COPD in ever smokers	BAG3	rs72828546	A	G	-0.170	0.024	0.030	2.22E-12	-0.046	0.037	0.216	0.002	49.277	TRUE	9.47E-09
COPD in ever smokers	BAG3	rs7478438	T	C	-0.067	0.009	0.257	1.67E-13	-0.035	0.018	0.048	0.002	54.358	TRUE	1.01E-08
COPD in ever smokers	BAG6	rs144802800	A	G	0.269	0.029	0.075	1.53E-20	0.001	0.035	0.976	0.003	86.317	TRUE	9.69E-17
COPD in ever smokers	BAG6	rs2647072	T	G	-0.184	0.024	0.114	1.89E-14	0.056	0.021	0.007	0.002	58.638	TRUE	1.46E-08
COPD in ever smokers	BAG6	rs707939	A	C	0.140	0.016	0.349	2.26E-18	-0.058	0.016	3.08E-04	0.002	76.446	TRUE	4.65E-10
COPD in ever smokers	CD14	rs114216104	T	C	-0.381	0.036	0.017	1.45E-25	0.036	0.060	0.547	0.003	109.212	TRUE	9.73E-20
COPD in ever smokers	CD14	rs114294512	A	G	-0.158	0.023	0.034	2.93E-12	-0.039	0.050	0.435	0.002	48.734	TRUE	3.47E-09
COPD in ever smokers	CD14	rs11743532	T	C	0.106	0.009	0.254	4.62E-31	-0.019	0.017	0.258	0.004	134.324	TRUE	5.24E-23
COPD in ever smokers	CD14	rs11746363	A	G	0.060	0.010	0.187	5.13E-09	-0.007	0.020	0.718	0.001	34.139	TRUE	3.88E-07
COPD in ever smokers	CD14	rs13179861	A	G	-0.142	0.010	0.192	2.09E-45	0.033	0.020	0.093	0.006	199.986	TRUE	9.95E-33
COPD in ever smokers	CD14	rs139907207	G	A	-0.205	0.034	0.016	2.72E-09	-0.067	0.060	0.265	0.001	35.374	TRUE	1.34E-06
COPD in ever smokers	CD14	rs143443534	T	C	-0.383	0.038	0.016	4.71E-24	0.073	0.065	0.261	0.003	102.319	TRUE	1.12E-17
COPD in ever smokers	CD14	rs144796203	T	C	-0.257	0.039	0.019	6.02E-11	0.091	0.062	0.142	0.001	42.811	TRUE	1.89E-07
COPD in ever smokers	CD14	rs145618551	A	G	0.263	0.035	0.022	5.50E-14	0.010	0.080	0.901	0.002	56.538	TRUE	2.37E-11
COPD in ever smokers	CD14	rs148099171	A	G	0.263	0.032	0.022	1.18E-16	0.055	0.049	0.261	0.002	68.647	TRUE	4.41E-12
COPD in ever smokers	CD14	rs151194218	T	C	-0.247	0.040	0.013	8.69E-10	-0.035	0.068	0.611	0.001	37.596	TRUE	1.38E-07
COPD in ever smokers	CD14	rs155805	T	C	0.152	0.017	0.059	2.35E-18	-0.011	0.029	0.704	0.002	76.369	TRUE	1.87E-14
COPD in ever smokers	CD14	rs2563332	T	C	0.223	0.010	0.211	2.50E-117	0.015	0.018	0.417	0.016	530.207	TRUE	6.91E-91
COPD in ever smokers	CD14	rs2907302	A	G	0.048	0.008	0.323	1.30E-08	0.009	0.016	0.565	0.001	32.333	TRUE	1.30E-06
COPD in ever smokers	CD14	rs31872	G	A	-0.085	0.008	0.413	5.38E-26	0.030	0.015	0.046	0.003	111.182	TRUE	1.15E-17
COPD in ever smokers	CD14	rs35066128	A	G	0.109	0.016	0.066	7.78E-12	-0.043	0.031	0.155	0.001	46.818	TRUE	3.81E-08
COPD in ever smokers	CD14	rs4912711	T	G	0.127	0.013	0.099	2.02E-21	0.005	0.026	0.836	0.003	90.322	TRUE	3.75E-17
COPD in ever smokers	CD14	rs57599368	G	A	-0.339	0.009	0.241	1.53E-302	0.012	0.018	0.487	0.042	1382.138	TRUE	1.63E-235
COPD in ever smokers	CD14	rs62622796	T	C	-0.232	0.028	0.025	2.77E-16	0.050	0.042	0.230	0.002	66.957	TRUE	1.07E-11
COPD in ever smokers	CD14	rs702401	T	C	-0.353	0.029	0.027	5.33E-35	0.036	0.041	0.386	0.005	152.336	TRUE	1.46E-26
COPD in ever smokers	CD14	rs72798872	C	T	-0.296	0.028	0.026	8.84E-26	0.022	0.055	0.690	0.003	110.197	TRUE	2.85E-20
COPD in ever smokers	CD14	rs72800961	C	T	0.138	0.022	0.042	3.60E-10	0.037	0.035	0.285	0.001	39.318	TRUE	2.71E-07
COPD in ever smokers	CD14	rs73257091	T	C	0.064	0.010	0.225	2.00E-11	-0.016	0.018	0.356	0.001	44.968	TRUE	2.16E-08
COPD in ever smokers	CD14	rs76148587	T	C	0.316	0.013	0.108	2.14E-124	-0.017	0.024	0.477	0.017	562.698	TRUE	8.29E-97
COPD in ever smokers	CD14	rs78145741	A	G	-0.266	0.021	0.042	6.57E-38	-0.021	0.036	0.562	0.005	165.647	TRUE	1.94E-29
COPD in ever smokers	CD14	rs79412572	A	G	-0.317	0.041	0.016	8.00E-15	-0.018	0.052	0.738	0.002	60.332	TRUE	9.76E-12
COPD in ever smokers	CD14	rs990983	C	T	0.206	0.031	0.020	3.85E-11	0.061	0.050	0.228	0.001	43.687	TRUE	7.18E-08

COPD in ever smokers	CD70	rs17516272	T	G	-0.100	0.014	0.091	6.09E-13	0.020	0.026	0.447	0.002	51.814	TRUE	9.89E-10
COPD in ever smokers	CD70	rs2029745	C	T	-0.098	0.008	0.401	2.42E-33	0.035	0.015	0.023	0.005	144.750	TRUE	1.58E-22
COPD in ever smokers	CD70	rs344607	T	C	0.126	0.011	0.146	4.35E-28	-0.044	0.022	0.043	0.004	120.737	TRUE	3.87E-19
COPD in ever smokers	CD70	rs392972	T	C	0.071	0.008	0.500	9.85E-19	-0.025	0.015	0.089	0.002	78.084	TRUE	8.06E-13
COPD in ever smokers	CDKN2D	rs11883423	G	A	-0.100	0.009	0.335	2.46E-27	0.005	0.016	0.760	0.004	117.298	TRUE	1.14E-21
COPD in ever smokers	CDKN2D	rs190740393	C	T	-0.087	0.016	0.089	3.59E-08	0.038	0.028	0.175	0.001	30.356	TRUE	1.46E-05
COPD in ever smokers	CDKN2D	rs34457396	G	T	-0.127	0.018	0.059	1.29E-12	0.038	0.030	0.206	0.002	50.338	TRUE	6.84E-09
COPD in ever smokers	CDKN2D	rs4804510	A	G	-0.065	0.009	0.369	5.18E-13	0.034	0.015	0.026	0.002	52.131	TRUE	4.23E-08
COPD in ever smokers	CDKN2D	rs62131898	G	A	0.114	0.014	0.132	1.25E-16	0.003	0.023	0.879	0.002	68.518	TRUE	2.02E-13
COPD in ever smokers	CDKN2D	rs8106542	C	T	0.065	0.010	0.200	5.15E-11	-0.025	0.018	0.163	0.001	43.115	TRUE	1.41E-07
COPD in ever smokers	CDKN2D	rs8108051	C	T	0.161	0.009	0.458	3.71E-80	-0.048	0.015	0.001	0.011	359.430	TRUE	2.05E-54
COPD in ever smokers	CLN3	rs113394773	T	C	0.125	0.022	0.056	9.82E-09	-0.066	0.028	0.018	0.001	32.875	TRUE	4.35E-05
COPD in ever smokers	CLN3	rs12448270	T	C	0.211	0.031	0.035	1.39E-11	0.003	0.035	0.931	0.001	45.678	TRUE	1.78E-09
COPD in ever smokers	CLN3	rs12922840	C	T	0.052	0.009	0.352	2.44E-08	0.008	0.016	0.632	0.001	31.103	TRUE	1.71E-06
COPD in ever smokers	CLN3	rs140531733	A	G	0.201	0.033	0.030	7.79E-10	0.027	0.041	0.522	0.001	37.810	TRUE	1.74E-07
COPD in ever smokers	CLN3	rs145348479	T	C	0.122	0.015	0.131	5.37E-16	-0.024	0.020	0.241	0.002	65.651	TRUE	1.61E-11
COPD in ever smokers	CLN3	rs146435192	C	T	0.093	0.016	0.500	8.97E-09	-0.027	0.016	0.100	0.001	33.051	TRUE	9.87E-06
COPD in ever smokers	CLN3	rs148579588	G	A	-0.102	0.017	0.081	2.12E-09	0.006	0.025	0.806	0.001	35.859	TRUE	1.47E-07
COPD in ever smokers	CLN3	rs151228	A	G	0.201	0.009	0.472	1.61E-119	-0.040	0.015	0.007	0.017	540.285	TRUE	2.23E-85
COPD in ever smokers	CLN3	rs151233	T	C	-0.237	0.014	0.131	1.72E-62	-0.021	0.022	0.337	0.009	278.326	TRUE	1.17E-47
COPD in ever smokers	CLN3	rs188596247	A	G	0.372	0.064	0.024	6.70E-09	-0.169	0.054	0.002	0.001	33.619	TRUE	1.45E-04
COPD in ever smokers	CLN3	rs205409	G	A	0.053	0.009	0.423	2.20E-09	0.020	0.015	0.188	0.001	35.785	TRUE	1.79E-06
COPD in ever smokers	CLN3	rs28502521	A	G	0.138	0.020	0.076	1.36E-11	0.005	0.029	0.876	0.001	45.727	TRUE	2.11E-09
COPD in ever smokers	CLN3	rs28533690	A	G	0.080	0.013	0.264	1.61E-09	-0.029	0.017	0.082	0.001	36.397	TRUE	3.60E-06
COPD in ever smokers	CLN3	rs2887714	G	A	0.058	0.010	0.359	1.22E-08	0.011	0.015	0.473	0.001	32.454	TRUE	1.70E-06
COPD in ever smokers	CLN3	rs34395441	A	G	0.250	0.033	0.030	7.01E-14	0.031	0.033	0.359	0.002	56.061	TRUE	2.97E-10
COPD in ever smokers	CLN3	rs4788117	T	C	-0.079	0.011	0.224	4.74E-14	0.032	0.019	0.090	0.002	56.830	TRUE	1.95E-09
COPD in ever smokers	CLN3	rs62037425	A	G	0.115	0.012	0.161	4.63E-21	-0.029	0.020	0.148	0.003	88.678	TRUE	6.60E-15
COPD in ever smokers	CLN3	rs74974765	A	G	-0.224	0.028	0.055	3.31E-15	0.017	0.031	0.580	0.002	62.068	TRUE	9.61E-12
COPD in ever smokers	CLN3	rs75556002	T	C	-0.359	0.045	0.019	1.51E-15	0.152	0.060	0.011	0.002	63.609	TRUE	1.81E-09
COPD in ever smokers	CLN3	rs76081634	G	A	-0.277	0.039	0.021	1.82E-12	-0.016	0.049	0.746	0.002	49.663	TRUE	6.84E-10
COPD in ever smokers	CUL5	rs11212459	C	T	-0.051	0.008	0.461	1.39E-10	-0.006	0.015	0.683	0.001	41.178	TRUE	2.58E-08
COPD in ever smokers	CUL5	rs11212488	G	A	0.129	0.008	0.425	6.46E-58	0.016	0.015	0.289	0.008	257.343	TRUE	7.73E-44
COPD in ever smokers	CUL5	rs11212679	T	C	-0.153	0.021	0.040	9.59E-14	-0.090	0.034	0.009	0.002	55.445	TRUE	3.57E-08
COPD in ever smokers	CUL5	rs12361570	C	A	-0.074	0.008	0.438	4.29E-20	0.016	0.015	0.288	0.003	84.274	TRUE	9.08E-15
COPD in ever smokers	CUL5	rs149794589	T	C	-0.161	0.018	0.059	1.21E-19	-0.026	0.033	0.431	0.003	82.235	TRUE	7.65E-15
COPD in ever smokers	CUL5	rs1550608	A	G	-0.112	0.008	0.404	3.59E-43	-0.036	0.015	0.016	0.006	189.744	TRUE	1.98E-29
COPD in ever smokers	CUL5	rs188621910	T	C	-0.121	0.019	0.054	1.50E-10	-0.047	0.033	0.145	0.001	41.022	TRUE	3.56E-07
COPD in ever smokers	CUL5	rs34714980	C	T	-0.088	0.014	0.101	2.42E-10	0.030	0.023	0.187	0.001	40.091	TRUE	3.63E-07
COPD in ever smokers	CUL5	rs4027410	G	A	-0.050	0.009	0.305	2.00E-08	-0.021	0.016	0.202	0.001	31.490	TRUE	8.12E-06
COPD in ever smokers	CUL5	rs4335507	C	A	0.080	0.009	0.359	2.77E-18	-0.006	0.016	0.717	0.002	76.041	TRUE	2.01E-14
COPD in ever smokers	CUL5	rs4987915	G	A	0.157	0.029	0.027	3.90E-08	-0.046	0.040	0.257	0.001	30.197	TRUE	9.83E-06

COPD in ever smokers	CUL5	rs72999746	A	C	-0.148	0.020	0.044	1.11E-13	0.013	0.036	0.711	0.002	55.160	TRUE	8.63E-11
COPD in ever smokers	CUL5	rs73000548	T	G	-0.703	0.018	0.052	0.00E+00	-0.008	0.035	0.809	0.046	1526.734	TRUE	8.52E-263
COPD in ever smokers	CYP1B1	rs1009673	C	T	-0.093	0.010	0.195	1.53E-20	-0.016	0.019	0.418	0.003	86.314	TRUE	1.69E-15
COPD in ever smokers	CYP1B1	rs10177020	A	G	0.130	0.014	0.101	6.88E-22	-0.009	0.024	0.703	0.003	92.450	TRUE	3.09E-17
COPD in ever smokers	CYP1B1	rs113136024	C	T	0.556	0.048	0.013	3.92E-31	-0.100	0.072	0.166	0.004	134.649	TRUE	1.43E-22
COPD in ever smokers	CYP1B1	rs114189806	T	C	0.330	0.030	0.025	5.78E-28	-0.104	0.073	0.158	0.004	120.171	TRUE	3.92E-20
COPD in ever smokers	CYP1B1	rs115543156	A	G	-0.311	0.021	0.039	8.36E-51	-0.076	0.046	0.097	0.007	224.727	TRUE	7.59E-37
COPD in ever smokers	CYP1B1	rs11896019	C	T	0.089	0.014	0.104	6.46E-11	0.008	0.026	0.746	0.001	42.675	TRUE	1.14E-08
COPD in ever smokers	CYP1B1	rs12469089	A	G	0.078	0.009	0.309	9.42E-20	0.015	0.017	0.372	0.003	82.721	TRUE	9.12E-15
COPD in ever smokers	CYP1B1	rs13026972	G	A	-0.191	0.015	0.079	1.57E-38	0.034	0.027	0.213	0.005	168.491	TRUE	1.78E-28
COPD in ever smokers	CYP1B1	rs138414783	C	A	-0.225	0.030	0.021	1.54E-13	-0.076	0.057	0.181	0.002	54.511	TRUE	1.74E-09
COPD in ever smokers	CYP1B1	rs139964478	A	G	-0.133	0.024	0.033	1.88E-08	-0.061	0.047	0.198	0.001	31.616	TRUE	7.97E-06
COPD in ever smokers	CYP1B1	rs148907661	C	T	0.217	0.040	0.018	4.41E-08	-0.017	0.066	0.797	0.001	29.956	TRUE	1.67E-06
COPD in ever smokers	CYP1B1	rs17412829	A	C	-0.301	0.015	0.082	2.26E-89	-0.085	0.029	0.004	0.013	401.750	TRUE	3.80E-62
COPD in ever smokers	CYP1B1	rs17603354	C	A	0.103	0.009	0.262	6.16E-30	0.015	0.017	0.365	0.004	129.182	TRUE	1.43E-22
COPD in ever smokers	CYP1B1	rs183176024	T	C	-0.237	0.043	0.014	4.77E-08	0.044	0.069	0.519	0.001	29.805	TRUE	4.12E-06
COPD in ever smokers	CYP1B1	rs2084420	A	G	0.147	0.012	0.116	1.05E-32	-0.005	0.024	0.844	0.004	141.846	TRUE	3.79E-26
COPD in ever smokers	CYP1B1	rs232606	T	C	-0.182	0.009	0.266	1.62E-92	0.031	0.017	0.057	0.013	416.199	TRUE	8.68E-68
COPD in ever smokers	CYP1B1	rs3108662	G	A	-0.098	0.017	0.059	6.78E-09	-0.015	0.031	0.634	0.001	33.594	TRUE	6.31E-07
COPD in ever smokers	CYP1B1	rs336044	A	G	0.139	0.008	0.421	5.01E-66	-0.002	0.015	0.891	0.009	294.558	TRUE	8.24E-53
COPD in ever smokers	CYP1B1	rs35656614	C	T	-0.077	0.011	0.168	5.92E-13	0.030	0.019	0.120	0.002	51.868	TRUE	8.34E-09
COPD in ever smokers	CYP1B1	rs3795980	T	G	0.421	0.011	0.144	0.00E+00	-0.006	0.023	0.786	0.044	1447.372	TRUE	3.26E-249
COPD in ever smokers	CYP1B1	rs4265996	C	A	-0.056	0.008	0.378	6.38E-12	0.017	0.015	0.274	0.001	47.205	TRUE	1.43E-08
COPD in ever smokers	CYP1B1	rs450175	C	A	0.247	0.008	0.481	3.34E-218	0.041	0.015	0.006	0.030	994.095	TRUE	2.75E-159
COPD in ever smokers	CYP1B1	rs55714041	C	T	-0.126	0.009	0.326	1.48E-49	0.015	0.016	0.377	0.007	219.001	TRUE	8.15E-38
COPD in ever smokers	CYP1B1	rs55916400	G	A	-0.154	0.009	0.231	4.44E-60	-0.007	0.018	0.685	0.008	267.266	TRUE	2.53E-47
COPD in ever smokers	CYP1B1	rs58725926	C	T	-0.616	0.027	0.024	3.14E-113	0.094	0.054	0.082	0.016	511.369	TRUE	3.60E-84
COPD in ever smokers	CYP1B1	rs62134013	A	G	0.169	0.024	0.035	9.50E-13	0.015	0.039	0.698	0.002	50.942	TRUE	4.90E-10
COPD in ever smokers	CYP1B1	rs62135788	A	G	-0.083	0.013	0.110	1.07E-10	-0.022	0.024	0.362	0.001	41.685	TRUE	7.47E-08
COPD in ever smokers	CYP1B1	rs6739999	G	A	0.110	0.018	0.051	1.36E-09	0.026	0.037	0.485	0.001	36.721	TRUE	3.06E-07
COPD in ever smokers	CYP1B1	rs6751231	C	T	-0.552	0.016	0.060	8.78E-246	0.016	0.032	0.613	0.034	1120.980	TRUE	1.32E-192
COPD in ever smokers	CYP1B1	rs72787013	A	G	-0.181	0.032	0.019	2.43E-08	-0.037	0.058	0.520	0.001	31.114	TRUE	2.45E-06
COPD in ever smokers	CYP1B1	rs74693843	G	A	-0.208	0.035	0.017	2.27E-09	-0.039	0.051	0.445	0.001	35.722	TRUE	5.28E-07
COPD in ever smokers	CYP1B1	rs7557493	C	A	-0.119	0.011	0.139	2.37E-25	-0.011	0.023	0.642	0.003	108.240	TRUE	8.14E-20
COPD in ever smokers	CYP1B1	rs7558738	C	T	-0.058	0.008	0.409	8.02E-13	-0.015	0.016	0.334	0.002	51.274	TRUE	2.14E-09
COPD in ever smokers	CYP1B1	rs76137941	A	G	0.326	0.024	0.030	6.80E-42	0.046	0.042	0.271	0.006	183.894	TRUE	2.24E-31
COPD in ever smokers	CYP1B1	rs76351405	A	G	-0.413	0.058	0.013	8.29E-13	-0.066	0.069	0.343	0.002	51.208	TRUE	2.09E-09
COPD in ever smokers	CYP1B1	rs77068331	G	A	-0.212	0.025	0.027	1.75E-17	-0.064	0.054	0.232	0.002	72.408	TRUE	1.32E-12
COPD in ever smokers	CYP1B1	rs77578088	C	A	-0.246	0.016	0.069	6.02E-53	0.066	0.030	0.030	0.007	234.553	TRUE	3.47E-37
COPD in ever smokers	CYP1B1	rs875653	T	C	0.184	0.010	0.177	1.63E-70	-0.013	0.019	0.503	0.010	315.152	TRUE	9.24E-55
COPD in ever smokers	DDIT4	rs12778560	G	T	-0.077	0.009	0.360	7.60E-19	-0.034	0.016	0.034	0.002	78.597	TRUE	2.59E-12
COPD in ever smokers	DDIT4	rs3829180	C	T	-0.149	0.025	0.025	4.49E-09	-0.144	0.051	0.005	0.001	34.398	TRUE	6.24E-05

COPD in ever smokers	EPM2A	rs117045948	T	C	0.159	0.018	0.065	6.59E-19	-0.026	0.032	0.417	0.002	78.878	TRUE	3.07E-14
COPD in ever smokers	EPM2A	rs117920128	A	G	0.202	0.032	0.021	2.66E-10	-0.014	0.050	0.781	0.001	39.909	TRUE	3.09E-08
COPD in ever smokers	EPM2A	rs1322211	A	G	-0.046	0.008	0.389	2.27E-08	0.015	0.015	0.335	0.001	31.248	TRUE	4.63E-06
COPD in ever smokers	EPM2A	rs148168893	T	G	0.240	0.039	0.015	6.38E-10	0.006	0.066	0.930	0.001	38.200	TRUE	3.84E-08
COPD in ever smokers	EPM2A	rs17373628	A	G	-0.134	0.020	0.044	9.92E-12	-0.022	0.040	0.593	0.001	46.340	TRUE	4.58E-09
COPD in ever smokers	EPM2A	rs17821556	G	T	-0.183	0.025	0.033	1.51E-13	0.028	0.043	0.509	0.002	54.553	TRUE	2.56E-10
COPD in ever smokers	EPM2A	rs1970307	C	T	0.138	0.021	0.046	3.70E-11	-0.036	0.035	0.310	0.001	43.763	TRUE	4.34E-08
COPD in ever smokers	EPM2A	rs34292537	T	C	-0.133	0.019	0.048	2.14E-12	-0.055	0.036	0.125	0.002	49.345	TRUE	2.01E-08
COPD in ever smokers	EPM2A	rs450973	A	C	-0.246	0.008	0.490	2.73E-210	0.036	0.015	0.016	0.029	957.703	TRUE	4.98E-155
COPD in ever smokers	EPM2A	rs6902581	T	C	-0.077	0.010	0.212	4.76E-15	-0.013	0.018	0.484	0.002	61.355	TRUE	2.00E-11
COPD in ever smokers	EPM2A	rs72996943	C	T	0.138	0.015	0.081	4.37E-20	-0.029	0.026	0.266	0.003	84.241	TRUE	1.10E-14
COPD in ever smokers	EPM2A	rs73008782	G	T	-0.088	0.013	0.113	2.21E-11	0.024	0.023	0.295	0.001	44.772	TRUE	3.20E-08
COPD in ever smokers	EPM2A	rs74932681	C	T	0.153	0.016	0.073	7.21E-22	-0.053	0.027	0.054	0.003	92.357	TRUE	8.99E-15
COPD in ever smokers	EPM2A	rs75099786	T	G	0.170	0.029	0.027	4.86E-09	0.044	0.042	0.287	0.001	34.244	TRUE	1.84E-06
COPD in ever smokers	FAM162A	rs138589007	T	G	0.080	0.013	0.103	7.56E-10	-0.035	0.025	0.151	0.001	37.869	TRUE	1.08E-06
COPD in ever smokers	FAM162A	rs148435862	C	T	-0.075	0.013	0.134	2.00E-09	0.008	0.021	0.690	0.001	35.971	TRUE	2.03E-07
COPD in ever smokers	FAM162A	rs6438724	A	G	-0.106	0.008	0.418	2.77E-36	0.031	0.015	0.039	0.005	158.212	TRUE	4.26E-25
COPD in ever smokers	FAM162A	rs6438736	A	G	-0.088	0.016	0.070	2.37E-08	0.028	0.026	0.276	0.001	31.164	TRUE	6.23E-06
COPD in ever smokers	FBXO7	rs12628714	C	T	0.065	0.011	0.139	1.40E-08	-0.030	0.023	0.192	0.001	32.181	TRUE	6.69E-06
COPD in ever smokers	FBXO7	rs17692518	A	G	-0.087	0.015	0.077	1.55E-08	0.021	0.028	0.458	0.001	31.984	TRUE	2.16E-06
COPD in ever smokers	FBXO7	rs17772478	C	A	0.268	0.028	0.025	1.18E-21	-0.039	0.052	0.452	0.003	91.380	TRUE	1.90E-16
COPD in ever smokers	FBXO7	rs4820079	T	G	0.121	0.008	0.496	1.95E-52	-0.031	0.015	0.038	0.007	232.213	TRUE	4.76E-37
COPD in ever smokers	FBXO7	rs72620410	C	A	0.112	0.015	0.075	9.99E-14	-0.067	0.033	0.044	0.002	55.365	TRUE	7.80E-09
COPD in ever smokers	FBXO7	rs9606956	G	A	-0.046	0.008	0.480	8.27E-09	0.024	0.015	0.112	0.001	33.208	TRUE	8.29E-06
COPD in ever smokers	GHITM	rs11200796	T	C	0.219	0.019	0.048	1.67E-31	0.009	0.034	0.799	0.004	136.349	TRUE	4.48E-25
COPD in ever smokers	GHITM	rs11200896	T	C	-0.083	0.009	0.268	2.12E-20	-0.034	0.017	0.044	0.003	85.672	TRUE	1.38E-13
COPD in ever smokers	GHITM	rs11201096	A	G	-0.061	0.009	0.270	6.37E-12	-0.029	0.017	0.088	0.001	47.210	TRUE	6.75E-08
COPD in ever smokers	GHITM	rs11511521	A	G	-0.180	0.008	0.365	3.00E-106	-0.040	0.015	0.009	0.015	479.288	TRUE	1.01E-75
COPD in ever smokers	GHITM	rs118053858	A	G	-0.138	0.024	0.036	1.20E-08	0.017	0.047	0.714	0.001	32.479	TRUE	7.67E-07
COPD in ever smokers	GHITM	rs12261669	T	G	-0.315	0.020	0.045	2.03E-57	0.016	0.036	0.659	0.008	255.057	TRUE	4.01E-45
COPD in ever smokers	GHITM	rs12770832	T	C	0.089	0.011	0.165	5.89E-16	-0.010	0.019	0.621	0.002	65.470	TRUE	2.09E-12
COPD in ever smokers	GHITM	rs4244945	A	G	0.058	0.009	0.254	4.39E-10	0.029	0.018	0.115	0.001	38.928	TRUE	1.01E-06
COPD in ever smokers	GHITM	rs524265	T	G	0.080	0.013	0.117	6.08E-10	-0.026	0.025	0.307	0.001	38.294	TRUE	3.56E-07
COPD in ever smokers	GHITM	rs55880182	T	C	-0.128	0.018	0.056	4.83E-13	0.003	0.031	0.912	0.002	52.270	TRUE	1.29E-10
COPD in ever smokers	GHITM	rs61865122	A	G	0.163	0.027	0.026	7.28E-10	-0.037	0.046	0.423	0.001	37.941	TRUE	2.43E-07
COPD in ever smokers	GHITM	rs66846769	A	G	-0.074	0.012	0.126	1.87E-09	-0.037	0.021	0.084	0.001	36.099	TRUE	3.90E-06
COPD in ever smokers	GHITM	rs7080190	A	G	0.114	0.013	0.108	5.23E-19	-0.010	0.027	0.717	0.002	79.333	TRUE	5.38E-15
COPD in ever smokers	GHITM	rs7096040	T	C	-0.063	0.009	0.298	4.13E-13	-0.004	0.016	0.797	0.002	52.577	TRUE	1.75E-10
COPD in ever smokers	GHITM	rs72837985	T	C	0.139	0.019	0.046	3.80E-13	0.112	0.033	8.06E-04	0.002	52.742	TRUE	5.19E-07
COPD in ever smokers	GHITM	rs74322543	G	A	0.155	0.024	0.032	1.32E-10	0.054	0.052	0.299	0.001	41.276	TRUE	1.19E-07
COPD in ever smokers	GHITM	rs77188443	A	G	0.534	0.017	0.060	2.46E-226	0.041	0.032	0.202	0.032	1031.507	TRUE	2.99E-173
COPD in ever smokers	GNPTG	rs11248873	T	C	-0.057	0.010	0.405	9.29E-09	0.003	0.015	0.833	0.001	32.982	TRUE	4.37E-07

COPD in ever smokers	GNPTG	rs113424510	C	T	0.162	0.013	0.148	2.26E-35	-0.002	0.019	0.903	0.005	154.037	TRUE	1.99E-28
COPD in ever smokers	GNPTG	rs116345826	A	G	0.217	0.016	0.102	1.71E-41	0.030	0.023	0.191	0.006	182.059	TRUE	1.33E-30
COPD in ever smokers	GNPTG	rs12925270	A	C	-0.072	0.013	0.188	1.22E-08	0.015	0.018	0.418	0.001	32.459	TRUE	2.09E-06
COPD in ever smokers	GNPTG	rs140532679	G	A	0.297	0.051	0.018	5.69E-09	-0.002	0.057	0.973	0.001	33.936	TRUE	1.94E-07
COPD in ever smokers	GNPTG	rs2281194	A	G	0.063	0.009	0.420	4.05E-13	-0.028	0.015	0.066	0.002	52.617	TRUE	1.32E-08
COPD in ever smokers	GNPTG	rs28444604	A	G	-0.088	0.014	0.121	3.98E-10	0.021	0.026	0.404	0.001	39.122	TRUE	1.66E-07
COPD in ever smokers	GNPTG	rs36032546	T	G	0.158	0.021	0.056	3.57E-14	-0.005	0.028	0.846	0.002	57.386	TRUE	2.08E-11
COPD in ever smokers	GNPTG	rs36105643	T	C	0.122	0.017	0.069	6.20E-13	-0.004	0.025	0.878	0.002	51.779	TRUE	1.79E-10
COPD in ever smokers	GNPTG	rs3759937	A	C	-0.135	0.013	0.117	7.08E-24	0.003	0.026	0.914	0.003	101.511	TRUE	2.81E-19
COPD in ever smokers	GNPTG	rs4984820	T	C	0.340	0.018	0.070	8.11E-81	0.035	0.026	0.176	0.011	362.460	TRUE	1.22E-60
COPD in ever smokers	GNPTG	rs4984832	C	T	0.129	0.010	0.475	1.25E-36	0.034	0.015	0.022	0.005	159.786	TRUE	6.74E-25
COPD in ever smokers	GNS	rs1008159	C	T	-0.186	0.013	0.113	5.75E-50	-0.017	0.024	0.477	0.007	220.888	TRUE	1.45E-38
COPD in ever smokers	GNS	rs111381048	T	G	-0.086	0.015	0.083	1.24E-08	-0.020	0.027	0.463	0.001	32.415	TRUE	1.79E-06
COPD in ever smokers	GNS	rs11175598	G	T	0.119	0.021	0.042	7.52E-09	-0.003	0.039	0.948	0.001	33.393	TRUE	2.63E-07
COPD in ever smokers	GNS	rs11175628	C	A	-0.094	0.014	0.100	9.28E-12	0.021	0.025	0.397	0.001	46.471	TRUE	9.98E-09
COPD in ever smokers	GNS	rs1147093	A	G	-0.173	0.008	0.397	7.85E-102	-0.031	0.015	0.037	0.014	458.994	TRUE	3.14E-74
COPD in ever smokers	GNS	rs11615626	G	T	0.080	0.008	0.351	9.02E-22	-0.026	0.016	0.099	0.003	91.916	TRUE	4.01E-15
COPD in ever smokers	GNS	rs12824259	T	C	0.125	0.011	0.158	4.74E-30	-0.018	0.021	0.399	0.004	129.700	TRUE	8.85E-23
COPD in ever smokers	GNS	rs1373877	C	T	-0.085	0.008	0.464	5.98E-27	-0.016	0.015	0.296	0.004	115.538	TRUE	5.06E-20
COPD in ever smokers	GNS	rs143922148	T	C	0.151	0.024	0.032	1.20E-10	-0.038	0.048	0.427	0.001	41.455	TRUE	6.09E-08
COPD in ever smokers	GNS	rs1566318	A	G	0.046	0.008	0.414	1.36E-08	-0.001	0.015	0.938	0.001	32.235	TRUE	4.36E-07
COPD in ever smokers	GNS	rs17100718	T	G	-0.156	0.021	0.041	2.44E-13	-0.083	0.040	0.038	0.002	53.615	TRUE	1.70E-08
COPD in ever smokers	GNS	rs1716487	T	G	0.064	0.008	0.450	1.11E-15	0.025	0.015	0.095	0.002	64.214	TRUE	1.22E-10
COPD in ever smokers	GNS	rs17823705	G	A	0.139	0.012	0.132	1.46E-32	-0.031	0.024	0.194	0.004	141.187	TRUE	8.03E-24
COPD in ever smokers	GNS	rs34895146	T	C	0.163	0.023	0.040	6.35E-13	0.028	0.039	0.475	0.002	51.733	TRUE	8.97E-10
COPD in ever smokers	GNS	rs59270299	C	T	-0.501	0.032	0.019	2.10E-54	0.044	0.070	0.529	0.008	241.233	TRUE	3.01E-42
COPD in ever smokers	GOT1	rs12253861	A	G	0.166	0.013	0.113	4.17E-40	-0.046	0.024	0.055	0.006	175.711	TRUE	3.25E-28
COPD in ever smokers	GOT1	rs2494653	A	G	-0.109	0.018	0.051	1.82E-09	-0.037	0.042	0.377	0.001	36.154	TRUE	5.87E-07
COPD in ever smokers	GSDMA	rs10852939	T	C	-0.071	0.011	0.223	1.38E-10	-0.026	0.018	0.141	0.001	41.193	TRUE	3.45E-07
COPD in ever smokers	GSDMA	rs115334808	T	C	0.604	0.028	0.029	1.70E-105	0.088	0.062	0.156	0.015	475.829	TRUE	2.06E-79
COPD in ever smokers	GSDMA	rs12450388	C	T	-0.109	0.010	0.426	2.69E-30	-0.021	0.015	0.172	0.004	130.829	TRUE	5.63E-22
COPD in ever smokers	GSDMA	rs12943633	T	C	0.239	0.015	0.090	1.08E-55	0.020	0.028	0.480	0.008	247.146	TRUE	4.69E-43
COPD in ever smokers	GSDMA	rs12948025	A	G	0.344	0.035	0.021	1.82E-23	-0.065	0.054	0.226	0.003	99.646	TRUE	4.34E-17
COPD in ever smokers	GSDMA	rs138641382	A	G	0.439	0.034	0.022	6.46E-39	0.026	0.060	0.671	0.005	170.260	TRUE	1.41E-30
COPD in ever smokers	GSDMA	rs146007532	A	G	0.532	0.051	0.019	2.48E-25	-0.055	0.065	0.398	0.003	108.153	TRUE	3.92E-19
COPD in ever smokers	GSDMA	rs146183840	C	T	0.665	0.049	0.013	1.66E-41	-0.018	0.069	0.791	0.006	182.114	TRUE	5.49E-33
COPD in ever smokers	GSDMA	rs146767035	A	G	-0.223	0.031	0.028	7.93E-13	-0.007	0.045	0.870	0.002	51.296	TRUE	2.24E-10
COPD in ever smokers	GSDMA	rs147180766	A	C	0.374	0.043	0.018	1.93E-18	0.010	0.056	0.855	0.002	76.754	TRUE	8.08E-15
COPD in ever smokers	GSDMA	rs150597587	C	T	-0.198	0.023	0.049	4.35E-18	-0.009	0.032	0.790	0.002	75.151	TRUE	2.06E-14
COPD in ever smokers	GSDMA	rs151114485	A	G	0.398	0.032	0.025	8.05E-36	0.103	0.047	0.027	0.005	156.091	TRUE	1.82E-24
COPD in ever smokers	GSDMA	rs28431963	C	T	0.137	0.016	0.098	8.74E-18	-0.005	0.025	0.850	0.002	73.774	TRUE	2.74E-14
COPD in ever smokers	GSDMA	rs55875103	T	C	0.129	0.013	0.132	1.76E-23	0.040	0.021	0.055	0.003	99.709	TRUE	5.85E-16

COPD in ever smokers	GSDMA	rs62066594	A	G	0.060	0.010	0.254	2.82E-09	0.029	0.018	0.101	0.001	35.301	TRUE	4.31E-06
COPD in ever smokers	GSDMA	rs62066986	T	C	-0.134	0.021	0.049	1.25E-10	-0.057	0.030	0.059	0.001	41.376	TRUE	8.44E-07
COPD in ever smokers	GSDMA	rs62068170	G	A	-0.242	0.009	0.432	2.20E-173	-0.033	0.015	0.027	0.024	787.940	TRUE	5.46E-128
COPD in ever smokers	GSDMA	rs6503743	A	G	0.061	0.010	0.280	2.57E-10	-0.003	0.017	0.872	0.001	39.973	TRUE	2.23E-08
COPD in ever smokers	GSDMA	rs7212868	C	A	0.083	0.010	0.275	3.96E-17	0.022	0.017	0.175	0.002	70.791	TRUE	4.08E-12
COPD in ever smokers	GSDMA	rs72825107	G	A	0.497	0.042	0.018	1.10E-32	-0.008	0.056	0.891	0.004	141.753	TRUE	2.96E-26
COPD in ever smokers	GSDMA	rs72834789	C	T	0.200	0.013	0.129	2.64E-54	-0.055	0.022	0.013	0.008	240.782	TRUE	2.06E-37
COPD in ever smokers	GSDMA	rs74964489	G	T	-0.151	0.026	0.046	5.73E-09	0.048	0.033	0.152	0.001	33.921	TRUE	4.59E-06
COPD in ever smokers	GSDMA	rs75248071	A	C	0.153	0.016	0.092	1.46E-20	0.003	0.024	0.896	0.003	86.406	TRUE	1.36E-16
COPD in ever smokers	GSDMA	rs78043676	C	A	0.217	0.031	0.024	1.53E-12	-0.035	0.048	0.462	0.002	50.004	TRUE	1.87E-09
COPD in ever smokers	GSDMA	rs78279284	A	G	0.204	0.028	0.030	5.79E-13	-0.051	0.045	0.260	0.002	51.914	TRUE	2.61E-09
COPD in ever smokers	GSDMA	rs79375929	A	C	0.383	0.032	0.025	4.24E-32	-0.067	0.057	0.243	0.004	139.066	TRUE	1.00E-23
COPD in ever smokers	GSDMA	rs9905305	A	G	0.331	0.011	0.167	1.72E-182	-0.003	0.020	0.871	0.026	829.825	TRUE	6.91E-145
COPD in ever smokers	HERPUD1	rs1123507	T	C	-0.079	0.013	0.102	1.96E-09	0.019	0.025	0.449	0.001	36.007	TRUE	4.66E-07
COPD in ever smokers	HERPUD1	rs11646723	T	G	-0.158	0.020	0.047	1.95E-15	0.033	0.033	0.308	0.002	63.113	TRUE	2.67E-11
COPD in ever smokers	HERPUD1	rs12444217	A	G	-0.107	0.014	0.093	4.93E-15	-0.027	0.026	0.302	0.002	61.286	TRUE	5.58E-11
COPD in ever smokers	HERPUD1	rs12720918	C	T	0.052	0.009	0.280	4.05E-09	-0.023	0.017	0.172	0.001	34.598	TRUE	3.09E-06
COPD in ever smokers	HERPUD1	rs145002369	A	G	-0.147	0.027	0.027	3.43E-08	-0.017	0.036	0.639	0.001	30.444	TRUE	2.19E-06
COPD in ever smokers	HERPUD1	rs1865829	A	G	0.105	0.018	0.056	2.63E-09	0.034	0.032	0.280	0.001	35.439	TRUE	1.21E-06
COPD in ever smokers	HERPUD1	rs193695	A	G	0.119	0.008	0.354	7.30E-47	0.003	0.016	0.871	0.006	206.663	TRUE	1.72E-37
COPD in ever smokers	HERPUD1	rs28567490	A	G	0.142	0.016	0.067	1.08E-18	-0.029	0.029	0.321	0.002	77.897	TRUE	8.30E-14
COPD in ever smokers	HERPUD1	rs35926917	A	G	0.115	0.015	0.076	1.89E-14	-0.066	0.029	0.022	0.002	58.638	TRUE	5.02E-09
COPD in ever smokers	HERPUD1	rs4411495	T	C	-0.129	0.019	0.048	4.17E-12	-0.063	0.035	0.067	0.002	48.038	TRUE	6.82E-08
COPD in ever smokers	HERPUD1	rs5801	T	C	0.127	0.011	0.161	1.95E-31	0.042	0.022	0.053	0.004	136.039	TRUE	9.12E-22
COPD in ever smokers	HERPUD1	rs62037026	T	C	0.190	0.029	0.021	1.03E-10	-0.070	0.049	0.152	0.001	41.768	TRUE	2.54E-07
COPD in ever smokers	HERPUD1	rs72786742	T	C	-0.127	0.016	0.066	3.99E-15	0.036	0.028	0.198	0.002	61.701	TRUE	1.01E-10
COPD in ever smokers	HERPUD1	rs72786761	C	A	-0.201	0.034	0.017	3.82E-09	0.030	0.050	0.552	0.001	34.714	TRUE	5.31E-07
COPD in ever smokers	HERPUD1	rs75346962	C	T	0.243	0.034	0.018	1.32E-12	-0.021	0.054	0.697	0.002	50.299	TRUE	6.38E-10
COPD in ever smokers	HERPUD1	rs76475991	A	G	-0.084	0.015	0.079	1.22E-08	-0.017	0.028	0.534	0.001	32.461	TRUE	1.37E-06
COPD in ever smokers	HERPUD1	rs77611915	G	T	-0.186	0.015	0.079	3.81E-35	0.058	0.026	0.023	0.005	153.003	TRUE	7.80E-24
COPD in ever smokers	HERPUD1	rs77883301	G	A	-0.069	0.012	0.127	1.02E-08	0.021	0.022	0.323	0.001	32.792	TRUE	2.70E-06
COPD in ever smokers	HERPUD1	rs78087962	G	A	0.223	0.018	0.056	7.97E-36	0.028	0.036	0.445	0.005	156.110	TRUE	2.03E-27
COPD in ever smokers	HERPUD1	rs8044753	G	A	0.216	0.008	0.478	1.36E-165	-0.030	0.015	0.045	0.023	752.114	TRUE	4.90E-123
COPD in ever smokers	HERPUD1	rs8056861	T	C	0.203	0.034	0.015	1.81E-09	-0.031	0.076	0.683	0.001	36.161	TRUE	1.92E-07
COPD in ever smokers	HERPUD1	rs955513	C	T	-0.128	0.008	0.460	1.73E-58	-0.008	0.015	0.602	0.008	259.967	TRUE	9.53E-46
COPD in ever smokers	HRK	rs10774885	G	A	0.102	0.009	0.242	1.10E-27	0.019	0.017	0.266	0.004	118.903	TRUE	1.84E-20
COPD in ever smokers	HRK	rs11068124	A	G	-0.076	0.011	0.177	1.39E-11	-0.026	0.020	0.191	0.001	45.676	TRUE	4.37E-08
COPD in ever smokers	HRK	rs11068147	G	T	0.112	0.009	0.329	1.17E-39	-0.004	0.016	0.825	0.005	173.650	TRUE	1.27E-31
COPD in ever smokers	HRK	rs11068174	G	A	0.370	0.030	0.026	1.60E-34	0.034	0.057	0.554	0.005	150.146	TRUE	9.23E-27
COPD in ever smokers	HRK	rs11068338	A	G	-0.064	0.010	0.228	3.30E-10	-0.035	0.017	0.039	0.001	39.487	TRUE	2.43E-06
COPD in ever smokers	HRK	rs113021396	A	G	-0.193	0.033	0.020	4.95E-09	0.006	0.044	0.887	0.001	34.208	TRUE	2.25E-07
COPD in ever smokers	HRK	rs113922328	A	G	0.175	0.026	0.030	1.52E-11	0.021	0.039	0.586	0.001	45.508	TRUE	6.57E-09

COPD in ever smokers	HRK	rs11614167	G	A	-0.143	0.016	0.071	4.19E-20	-0.053	0.028	0.063	0.003	84.322	TRUE	1.35E-13
COPD in ever smokers	HRK	rs117838646	C	T	0.181	0.026	0.030	3.94E-12	-0.038	0.048	0.429	0.002	48.152	TRUE	4.47E-09
COPD in ever smokers	HRK	rs117902853	A	G	-0.168	0.021	0.048	1.09E-15	-0.033	0.033	0.314	0.002	64.261	TRUE	1.64E-11
COPD in ever smokers	HRK	rs12370606	T	C	-0.123	0.017	0.072	1.12E-13	0.057	0.028	0.045	0.002	55.139	TRUE	8.22E-09
COPD in ever smokers	HRK	rs12815506	A	G	-0.093	0.015	0.093	3.43E-10	-0.011	0.025	0.672	0.001	39.411	TRUE	5.43E-08
COPD in ever smokers	HRK	rs147853224	G	A	0.415	0.057	0.014	2.75E-13	-0.079	0.071	0.270	0.002	53.374	TRUE	1.40E-09
COPD in ever smokers	HRK	rs148591439	A	G	0.260	0.046	0.015	1.62E-08	-0.037	0.059	0.528	0.001	31.907	TRUE	1.74E-06
COPD in ever smokers	HRK	rs17428858	C	T	0.052	0.008	0.364	5.25E-10	0.011	0.015	0.460	0.001	38.579	TRUE	1.63E-07
COPD in ever smokers	HRK	rs2393126	C	T	0.381	0.028	0.027	2.44E-42	0.114	0.044	0.010	0.006	185.933	TRUE	1.89E-28
COPD in ever smokers	HRK	rs35176067	T	C	0.172	0.029	0.022	4.61E-09	-0.046	0.050	0.356	0.001	34.347	TRUE	1.29E-06
COPD in ever smokers	HRK	rs4767464	A	G	-0.084	0.015	0.093	3.07E-08	0.023	0.030	0.440	0.001	30.659	TRUE	3.87E-06
COPD in ever smokers	HRK	rs4767472	G	A	0.238	0.008	0.368	4.02E-179	-0.040	0.016	0.011	0.025	814.341	TRUE	8.59E-131
COPD in ever smokers	HRK	rs532967	A	G	0.113	0.010	0.191	5.84E-29	-0.009	0.019	0.647	0.004	124.721	TRUE	1.15E-22
COPD in ever smokers	HRK	rs61936974	A	G	-0.113	0.012	0.149	1.14E-21	0.020	0.020	0.339	0.003	91.454	TRUE	3.92E-16
COPD in ever smokers	HRK	rs7300649	C	T	0.100	0.010	0.196	3.94E-23	-0.004	0.018	0.810	0.003	98.111	TRUE	1.88E-18
COPD in ever smokers	HRK	rs7314176	A	G	0.060	0.010	0.220	4.49E-10	0.004	0.018	0.844	0.001	38.885	TRUE	3.81E-08
COPD in ever smokers	HRK	rs7316426	A	G	0.278	0.020	0.043	6.43E-45	0.009	0.036	0.803	0.006	197.751	TRUE	9.85E-36
COPD in ever smokers	HRK	rs73220424	T	C	-0.120	0.019	0.055	3.31E-10	-0.016	0.031	0.619	0.001	39.479	TRUE	6.35E-08
COPD in ever smokers	HRK	rs77241831	A	G	0.174	0.018	0.057	5.90E-22	-0.004	0.033	0.910	0.003	92.754	TRUE	9.84E-18
COPD in ever smokers	HRK	rs78349600	T	G	0.097	0.017	0.064	2.26E-08	-0.027	0.030	0.361	0.001	31.253	TRUE	4.16E-06
COPD in ever smokers	HRK	rs78516888	C	T	0.477	0.022	0.038	2.58E-106	0.015	0.042	0.717	0.015	479.598	TRUE	5.81E-84
COPD in ever smokers	HRK	rs7953755	A	G	0.142	0.008	0.357	2.21E-64	-0.023	0.015	0.124	0.009	287.011	TRUE	1.70E-47
COPD in ever smokers	HRK	rs7967843	T	C	0.243	0.028	0.026	1.76E-18	-0.027	0.078	0.726	0.002	76.933	TRUE	1.35E-14
COPD in ever smokers	HSP90AA1	rs111517520	C	T	-0.188	0.020	0.040	1.70E-20	0.023	0.040	0.564	0.003	86.102	TRUE	7.92E-16
COPD in ever smokers	HSP90AA1	rs11160668	G	A	-0.097	0.008	0.478	1.36E-32	0.017	0.015	0.247	0.004	141.330	TRUE	4.00E-24
COPD in ever smokers	HSP90AA1	rs111846936	T	G	-0.159	0.018	0.064	1.73E-18	0.023	0.030	0.428	0.002	76.975	TRUE	6.03E-14
COPD in ever smokers	HSP90AA1	rs1190606	G	A	-0.100	0.014	0.097	1.75E-12	0.032	0.024	0.185	0.002	49.747	TRUE	1.00E-08
COPD in ever smokers	HSP90AA1	rs12435118	C	T	0.090	0.009	0.371	1.65E-23	-0.047	0.015	0.002	0.003	99.834	TRUE	3.75E-14
COPD in ever smokers	HSP90AA1	rs12893074	A	G	-0.196	0.023	0.037	5.26E-17	0.023	0.048	0.625	0.002	70.234	TRUE	3.09E-13
COPD in ever smokers	HSP90AA1	rs12894354	T	C	0.057	0.009	0.368	1.79E-10	-0.002	0.016	0.895	0.001	40.684	TRUE	1.55E-08
COPD in ever smokers	HSP90AA1	rs145916482	A	G	-0.252	0.039	0.015	1.48E-10	0.041	0.065	0.529	0.001	41.049	TRUE	4.73E-08
COPD in ever smokers	HSP90AA1	rs2403017	G	A	-0.277	0.011	0.174	3.95E-139	0.045	0.020	0.029	0.020	630.437	TRUE	4.15E-102
COPD in ever smokers	HSP90AA1	rs2476522	C	T	-0.062	0.010	0.202	2.67E-10	-0.001	0.018	0.964	0.001	39.900	TRUE	1.71E-08
COPD in ever smokers	HSP90AA1	rs2749901	G	A	-0.093	0.010	0.189	3.25E-19	0.031	0.019	0.106	0.003	80.276	TRUE	2.71E-13
COPD in ever smokers	HSP90AA1	rs35051837	A	G	0.112	0.015	0.109	6.94E-14	-0.001	0.021	0.962	0.002	56.081	TRUE	2.26E-11
COPD in ever smokers	HSP90AA1	rs35570544	G	A	-0.151	0.021	0.041	4.06E-13	0.029	0.036	0.415	0.002	52.611	TRUE	8.46E-10
COPD in ever smokers	HSP90AA1	rs62006410	T	C	-0.065	0.011	0.199	1.35E-09	-0.007	0.019	0.703	0.001	36.733	TRUE	1.43E-07
COPD in ever smokers	HSP90AA1	rs7159203	T	C	-0.086	0.016	0.069	4.67E-08	0.018	0.028	0.520	0.001	29.849	TRUE	4.04E-06
COPD in ever smokers	HSP90AA1	rs77011345	C	T	-0.326	0.036	0.017	1.22E-19	0.077	0.061	0.207	0.003	82.213	TRUE	3.97E-14
COPD in ever smokers	HSP90AA1	rs79110992	G	T	-0.200	0.015	0.082	7.62E-39	0.028	0.028	0.314	0.005	169.931	TRUE	3.09E-29
COPD in ever smokers	HSPA8	rs11218941	G	A	0.112	0.010	0.200	1.89E-29	0.026	0.019	0.182	0.004	126.955	TRUE	2.14E-21
COPD in ever smokers	HSPA8	rs11218958	G	A	0.261	0.031	0.022	1.38E-17	-0.111	0.058	0.055	0.002	72.866	TRUE	1.09E-11

COPD in ever smokers	IFNG	rs10161291	T	G	0.080	0.009	0.282	1.36E-19	0.011	0.016	0.492	0.003	81.991	TRUE	5.91E-15
COPD in ever smokers	IFNG	rs10878698	A	G	0.080	0.013	0.101	1.80E-09	-0.006	0.023	0.780	0.001	36.180	TRUE	1.40E-07
COPD in ever smokers	IFNG	rs2870960	C	T	-0.092	0.009	0.325	5.29E-27	-0.057	0.016	3.96E-04	0.004	115.779	TRUE	7.38E-16
COPD in ever smokers	IGF2R	rs635551	C	T	-0.064	0.012	0.132	4.76E-08	-0.002	0.021	0.906	0.001	29.812	TRUE	1.30E-06
COPD in ever smokers	IGF2R	rs6455672	A	G	0.088	0.008	0.331	2.44E-25	0.040	0.016	0.012	0.003	108.186	TRUE	2.47E-16
COPD in ever smokers	IGF2R	rs78277868	A	G	0.157	0.028	0.024	1.67E-08	0.038	0.051	0.460	0.001	31.846	TRUE	2.27E-06
COPD in ever smokers	IGF2R	rs9355763	C	T	0.078	0.012	0.138	2.25E-11	0.005	0.021	0.803	0.001	44.740	TRUE	4.06E-09
COPD in ever smokers	IRF1	rs11741255	A	G	0.080	0.008	0.384	1.62E-22	-0.036	0.015	0.017	0.003	95.310	TRUE	1.48E-14
COPD in ever smokers	IRF1	rs2548994	T	C	0.046	0.008	0.348	4.12E-08	-0.007	0.016	0.689	0.001	30.090	TRUE	2.16E-06
COPD in ever smokers	IRF1	rs78686200	T	C	0.111	0.015	0.079	2.26E-13	0.001	0.028	0.958	0.002	53.763	TRUE	5.93E-11
COPD in ever smokers	MAPK3	rs1050881	T	C	0.147	0.015	0.083	5.50E-22	-0.023	0.032	0.470	0.003	92.894	TRUE	9.42E-17
COPD in ever smokers	MAPK3	rs112294239	T	C	-0.300	0.019	0.052	6.05E-59	-0.024	0.032	0.454	0.008	262.061	TRUE	1.76E-45
COPD in ever smokers	MAPK3	rs113199118	A	G	-0.134	0.024	0.032	1.79E-08	0.045	0.046	0.330	0.001	31.708	TRUE	3.98E-06
COPD in ever smokers	MAPK3	rs11648675	C	T	-0.087	0.010	0.307	5.26E-18	0.001	0.016	0.940	0.002	74.776	TRUE	1.24E-14
COPD in ever smokers	MAPK3	rs117210898	T	C	-0.225	0.020	0.049	3.71E-29	0.027	0.033	0.422	0.004	125.621	TRUE	3.63E-22
COPD in ever smokers	MAPK3	rs117391625	T	C	-0.160	0.015	0.081	1.34E-25	0.045	0.026	0.081	0.003	109.377	TRUE	8.57E-18
COPD in ever smokers	MAPK3	rs117548034	G	A	-0.247	0.029	0.025	2.85E-17	-0.040	0.042	0.336	0.002	71.438	TRUE	9.06E-13
COPD in ever smokers	MAPK3	rs11859842	T	C	0.121	0.008	0.515	2.67E-52	-0.022	0.015	0.146	0.007	231.584	TRUE	1.68E-38
COPD in ever smokers	MAPK3	rs12102367	T	C	0.128	0.013	0.110	2.07E-23	0.073	0.022	0.001	0.003	99.382	TRUE	6.63E-14
COPD in ever smokers	MAPK3	rs141162502	T	C	0.259	0.041	0.019	2.55E-10	-0.010	0.054	0.854	0.001	39.988	TRUE	2.35E-08
COPD in ever smokers	MAPK3	rs142097700	A	G	0.284	0.041	0.014	7.52E-12	-0.152	0.054	0.005	0.001	46.884	TRUE	1.07E-06
COPD in ever smokers	MAPK3	rs143242484	T	C	0.466	0.023	0.040	9.64E-95	0.000	0.035	0.990	0.013	426.420	TRUE	4.52E-76
COPD in ever smokers	MAPK3	rs146414244	T	C	-0.158	0.027	0.030	5.37E-09	-0.030	0.048	0.529	0.001	34.050	TRUE	7.48E-07
COPD in ever smokers	MAPK3	rs147553474	C	T	0.425	0.025	0.037	2.95E-67	0.000	0.033	0.994	0.009	300.200	TRUE	3.54E-54
COPD in ever smokers	MAPK3	rs147785243	G	A	0.243	0.040	0.026	1.62E-09	-0.090	0.044	0.043	0.001	36.385	TRUE	6.65E-06
COPD in ever smokers	MAPK3	rs148266117	G	A	0.218	0.034	0.026	2.26E-10	-0.059	0.069	0.395	0.001	40.223	TRUE	1.13E-07
COPD in ever smokers	MAPK3	rs149522395	G	A	0.333	0.060	0.016	3.60E-08	0.079	0.059	0.179	0.001	30.354	TRUE	1.42E-05
COPD in ever smokers	MAPK3	rs149774427	A	G	-0.335	0.039	0.017	1.13E-17	0.082	0.051	0.106	0.002	73.266	TRUE	3.64E-12
COPD in ever smokers	MAPK3	rs149918713	T	C	0.252	0.045	0.021	1.64E-08	0.195	0.065	0.003	0.001	31.878	TRUE	1.91E-04
COPD in ever smokers	MAPK3	rs150773264	A	G	0.252	0.017	0.062	7.19E-52	-0.073	0.029	0.012	0.007	229.610	TRUE	1.42E-35
COPD in ever smokers	MAPK3	rs187924701	G	A	-0.220	0.022	0.056	1.91E-24	0.003	0.079	0.971	0.003	104.111	TRUE	7.34E-20
COPD in ever smokers	MAPK3	rs193301319	T	C	-0.218	0.036	0.016	2.07E-09	0.142	0.058	0.014	0.001	35.906	TRUE	1.85E-05
COPD in ever smokers	MAPK3	rs2003857	A	G	-0.134	0.021	0.055	1.06E-10	0.025	0.031	0.414	0.001	41.698	TRUE	5.86E-08
COPD in ever smokers	MAPK3	rs235645	A	G	0.075	0.010	0.489	1.16E-13	-0.019	0.015	0.227	0.002	55.079	TRUE	9.79E-10
COPD in ever smokers	MAPK3	rs3087439	T	C	-0.250	0.016	0.074	2.27E-58	-0.008	0.028	0.774	0.008	259.425	TRUE	2.67E-46
COPD in ever smokers	MAPK3	rs34640030	A	G	-0.223	0.029	0.023	2.81E-14	-0.001	0.053	0.978	0.002	57.860	TRUE	1.03E-11
COPD in ever smokers	MAPK3	rs34679599	T	C	-0.408	0.017	0.071	7.53E-134	0.019	0.027	0.486	0.019	606.155	TRUE	2.93E-104
COPD in ever smokers	MAPK3	rs34843513	G	A	0.318	0.024	0.034	5.58E-40	-0.094	0.049	0.053	0.005	175.127	TRUE	4.35E-28
COPD in ever smokers	MAPK3	rs35388821	G	A	-0.070	0.012	0.150	6.70E-09	-0.005	0.020	0.814	0.001	33.617	TRUE	3.57E-07
COPD in ever smokers	MAPK3	rs35478648	G	T	-0.369	0.017	0.069	7.64E-105	0.025	0.027	0.359	0.015	472.831	TRUE	9.51E-81
COPD in ever smokers	MAPK3	rs4243233	G	A	0.065	0.008	0.445	5.81E-16	0.014	0.015	0.350	0.002	65.496	TRUE	8.18E-12
COPD in ever smokers	MAPK3	rs4471699	T	G	-0.375	0.008	0.435	0.00E+00	0.056	0.015	1.62E-04	0.067	2272.880	TRUE	0.00E+00

COPD in ever smokers	MAPK3	rs4548895	G	A	0.411	0.008	0.413	0.00E+00	-0.021	0.015	0.163	0.074	2537.621	TRUE	0.00E+00
COPD in ever smokers	MAPK3	rs4787482	T	G	-0.187	0.009	0.305	1.81E-88	0.019	0.016	0.225	0.012	397.601	TRUE	5.28E-67
COPD in ever smokers	MAPK3	rs55680039	G	T	-0.506	0.024	0.036	5.76E-102	0.038	0.040	0.348	0.014	459.611	TRUE	1.99E-78
COPD in ever smokers	MAPK3	rs56329348	A	G	0.493	0.026	0.031	1.86E-79	-0.046	0.039	0.241	0.011	356.212	TRUE	3.60E-60
COPD in ever smokers	MAPK3	rs59650907	A	G	0.070	0.012	0.176	1.54E-09	0.002	0.019	0.928	0.001	36.477	TRUE	7.83E-08
COPD in ever smokers	MAPK3	rs62055389	G	T	0.426	0.018	0.063	2.25E-124	-0.033	0.027	0.233	0.017	562.592	TRUE	7.47E-95
COPD in ever smokers	MAPK3	rs67693285	G	T	-0.130	0.008	0.481	5.23E-59	0.013	0.015	0.389	0.008	262.350	TRUE	3.20E-45
COPD in ever smokers	MAPK3	rs7190269	A	C	0.186	0.009	0.310	8.40E-103	0.015	0.016	0.324	0.014	463.449	TRUE	6.63E-79
COPD in ever smokers	MAPK3	rs7205394	A	C	-0.186	0.013	0.363	2.40E-49	0.055	0.033	0.093	0.007	218.044	TRUE	1.07E-35
COPD in ever smokers	MAPK3	rs72791208	T	C	0.418	0.027	0.027	1.39E-53	-0.049	0.044	0.264	0.007	237.466	TRUE	2.43E-40
COPD in ever smokers	MAPK3	rs72798125	T	C	0.209	0.022	0.048	7.62E-22	-0.068	0.033	0.042	0.003	92.250	TRUE	1.38E-14
COPD in ever smokers	MAPK3	rs73534263	G	A	0.117	0.011	0.162	1.41E-24	-0.052	0.024	0.032	0.003	104.704	TRUE	2.18E-16
COPD in ever smokers	MAPK3	rs74776661	A	C	-0.257	0.036	0.018	8.53E-13	-0.065	0.070	0.356	0.002	51.154	TRUE	2.00E-09
COPD in ever smokers	MAPK3	rs77250249	A	G	0.351	0.052	0.015	2.05E-11	0.000	0.068	0.999	0.001	44.919	TRUE	1.92E-09
COPD in ever smokers	MAPK3	rs77871165	C	T	0.457	0.032	0.020	1.33E-46	-0.107	0.054	0.049	0.006	205.468	TRUE	5.90E-33
COPD in ever smokers	MAPK3	rs80273739	G	A	-0.404	0.026	0.030	3.44E-56	0.047	0.036	0.195	0.008	249.423	TRUE	7.04E-42
COPD in ever smokers	MAPK3	rs8047140	T	C	0.149	0.012	0.145	3.13E-36	-0.006	0.023	0.810	0.005	157.963	TRUE	7.45E-29
COPD in ever smokers	MAPK3	rs873623	T	C	-0.084	0.010	0.232	2.36E-18	-0.009	0.017	0.591	0.002	76.362	TRUE	3.22E-14
COPD in ever smokers	MAPK3	rs9796793	A	G	0.284	0.016	0.073	1.15E-68	-0.010	0.042	0.814	0.010	306.667	TRUE	1.30E-54
COPD in ever smokers	MLH1	rs112026459	T	C	0.345	0.058	0.018	2.52E-09	0.069	0.053	0.187	0.001	35.519	TRUE	1.99E-06
COPD in ever smokers	MLH1	rs13059224	A	G	0.354	0.039	0.026	1.89E-19	0.062	0.052	0.237	0.003	81.344	TRUE	4.22E-14
COPD in ever smokers	MLH1	rs139486892	A	G	0.303	0.049	0.016	6.24E-10	0.040	0.054	0.459	0.001	38.242	TRUE	1.87E-07
COPD in ever smokers	MLH1	rs143110198	T	C	0.309	0.052	0.014	2.34E-09	0.051	0.070	0.467	0.001	35.662	TRUE	4.96E-07
COPD in ever smokers	MLH1	rs1800734	A	G	0.411	0.014	0.225	1.35E-196	0.006	0.018	0.740	0.027	894.717	TRUE	4.08E-155
COPD in ever smokers	MLH1	rs34827295	G	A	0.143	0.017	0.153	6.02E-18	0.015	0.023	0.508	0.002	74.511	TRUE	1.02E-13
COPD in ever smokers	MLH1	rs374951	C	T	-0.152	0.013	0.264	7.71E-30	-0.015	0.017	0.362	0.004	128.736	TRUE	1.74E-22
COPD in ever smokers	MLH1	rs74887364	C	T	0.326	0.032	0.036	1.14E-24	0.035	0.042	0.400	0.003	105.134	TRUE	1.25E-18
COPD in ever smokers	MLH1	rs75466291	G	A	0.304	0.031	0.037	2.96E-22	-0.064	0.040	0.114	0.003	94.123	TRUE	1.36E-15
COPD in ever smokers	MLH1	rs76147683	A	G	0.314	0.040	0.031	3.89E-15	0.069	0.040	0.088	0.002	61.750	TRUE	3.31E-10
COPD in ever smokers	MLH1	rs79707887	C	T	-0.133	0.022	0.104	5.98E-10	-0.016	0.024	0.515	0.001	38.326	TRUE	1.46E-07
COPD in ever smokers	MLH1	rs879904	C	T	0.102	0.012	0.343	3.16E-16	0.031	0.016	0.046	0.002	66.696	TRUE	1.27E-10
COPD in ever smokers	MLH1	rs9311138	A	G	-0.119	0.018	0.118	6.79E-11	0.000	0.023	0.995	0.001	42.576	TRUE	5.12E-09
COPD in ever smokers	MUC1	rs10752610	T	C	0.169	0.029	0.021	7.86E-09	-0.053	0.064	0.410	0.001	33.307	TRUE	1.55E-06
COPD in ever smokers	MUC1	rs11465212	A	G	-0.173	0.032	0.019	4.85E-08	0.024	0.057	0.674	0.001	29.775	TRUE	2.57E-06
COPD in ever smokers	MUC1	rs116631741	C	T	0.340	0.051	0.016	2.36E-11	-0.034	0.062	0.586	0.001	44.644	TRUE	9.22E-09
COPD in ever smokers	MUC1	rs1218578	A	G	0.048	0.008	0.454	1.78E-09	-0.006	0.015	0.703	0.001	36.195	TRUE	1.78E-07
COPD in ever smokers	MUC1	rs141942982	T	G	-0.244	0.014	0.093	3.02E-70	0.031	0.024	0.197	0.010	313.922	TRUE	1.07E-52
COPD in ever smokers	MUC1	rs34455078	A	G	-0.099	0.013	0.108	1.65E-14	0.049	0.023	0.031	0.002	58.905	TRUE	3.24E-09
COPD in ever smokers	MUC1	rs3766916	T	C	0.063	0.008	0.402	1.09E-14	-0.006	0.015	0.681	0.002	59.731	TRUE	1.57E-11
COPD in ever smokers	MUC1	rs4845700	C	T	-0.095	0.010	0.186	1.95E-20	0.012	0.020	0.533	0.003	85.832	TRUE	1.04E-15
COPD in ever smokers	MUC1	rs4971100	A	G	0.063	0.008	0.423	3.81E-15	-0.018	0.015	0.221	0.002	61.791	TRUE	8.07E-11
COPD in ever smokers	MUC1	rs61811895	T	G	0.115	0.011	0.169	2.67E-26	-0.056	0.020	0.005	0.004	112.575	TRUE	1.49E-16

COPD in ever smokers	MUC1	rs6660884	C	T	0.080	0.008	0.380	1.85E-22	-0.035	0.016	0.030	0.003	95.048	TRUE	7.93E-15
COPD in ever smokers	MUC1	rs6694256	C	T	0.375	0.021	0.040	1.01E-68	-0.091	0.038	0.018	0.010	306.923	TRUE	1.89E-48
COPD in ever smokers	MUC1	rs8177960	A	G	-0.288	0.034	0.022	1.84E-17	0.019	0.075	0.799	0.002	72.303	TRUE	6.19E-14
COPD in ever smokers	MUC1	rs9426933	C	T	0.053	0.008	0.347	3.15E-10	0.006	0.016	0.682	0.001	39.577	TRUE	4.92E-08
COPD in ever smokers	NAPSA	rs117882241	T	C	-0.195	0.031	0.038	3.77E-10	0.032	0.034	0.359	0.001	39.228	TRUE	1.95E-07
COPD in ever smokers	NAPSA	rs2230245	T	C	0.160	0.019	0.108	4.65E-17	-0.023	0.023	0.320	0.002	70.475	TRUE	1.46E-12
COPD in ever smokers	NAPSA	rs28514894	C	T	-0.223	0.013	0.313	6.49E-70	0.033	0.016	0.037	0.010	312.398	TRUE	4.11E-50
COPD in ever smokers	NAPSA	rs3219340	G	T	0.117	0.020	0.093	1.10E-08	0.010	0.026	0.698	0.001	32.648	TRUE	7.53E-07
COPD in ever smokers	NAPSA	rs3745512	C	A	-0.095	0.016	0.224	2.03E-09	-0.001	0.017	0.943	0.001	35.937	TRUE	9.34E-08
COPD in ever smokers	NAPSA	rs77528293	A	G	-0.249	0.040	0.027	8.12E-10	0.054	0.037	0.151	0.001	37.729	TRUE	1.14E-06
COPD in ever smokers	NCK1	rs185931403	A	G	-0.203	0.033	0.022	4.60E-10	-0.005	0.053	0.930	0.001	38.838	TRUE	2.95E-08
COPD in ever smokers	NCK1	rs75961187	A	G	-0.162	0.027	0.028	1.04E-09	-0.019	0.047	0.682	0.001	37.244	TRUE	1.25E-07
COPD in ever smokers	NCK1	rs7620314	G	A	0.061	0.009	0.388	6.76E-12	0.005	0.015	0.747	0.001	47.092	TRUE	1.91E-09
COPD in ever smokers	NCK1	rs80201571	T	G	-0.125	0.010	0.207	5.27E-37	-0.025	0.018	0.182	0.005	161.510	TRUE	3.99E-27
COPD in ever smokers	NEU1	rs3101018	T	C	-0.193	0.022	0.102	7.62E-18	0.090	0.021	2.93E-05	0.002	74.045	TRUE	4.81E-09
COPD in ever smokers	NEU1	rs494620	A	G	0.089	0.012	0.423	2.95E-13	-0.045	0.015	0.003	0.002	53.237	TRUE	1.73E-07
COPD in ever smokers	OSBPL7	rs1018903	G	A	-0.115	0.008	0.456	1.94E-47	-0.034	0.015	0.023	0.007	209.299	TRUE	7.15E-33
COPD in ever smokers	OSBPL7	rs59386258	C	T	-0.055	0.009	0.281	3.72E-10	-0.023	0.016	0.154	0.001	39.253	TRUE	6.34E-07
COPD in ever smokers	OSBPL7	rs75717806	A	G	0.064	0.010	0.210	6.75E-11	0.011	0.018	0.539	0.001	42.586	TRUE	2.49E-08
COPD in ever smokers	OSBPL7	rs76142347	T	C	-0.167	0.025	0.030	2.27E-11	0.000	0.044	0.993	0.001	44.716	TRUE	2.14E-09
COPD in ever smokers	P2RX4	rs10459142	G	A	0.074	0.009	0.235	2.42E-15	-0.022	0.018	0.205	0.002	62.684	TRUE	6.55E-11
COPD in ever smokers	P2RX4	rs11065442	C	A	0.190	0.010	0.175	1.49E-74	-0.006	0.020	0.751	0.010	333.694	TRUE	5.04E-59
COPD in ever smokers	P2RX4	rs1109480	A	G	-0.067	0.008	0.371	5.33E-16	0.010	0.015	0.506	0.002	65.668	TRUE	3.31E-12
COPD in ever smokers	P2RX4	rs112803307	G	A	0.215	0.020	0.040	6.97E-26	-0.052	0.037	0.159	0.003	110.667	TRUE	1.41E-18
COPD in ever smokers	P2RX4	rs113606320	T	C	-0.414	0.057	0.014	5.19E-13	0.068	0.077	0.380	0.002	52.128	TRUE	1.21E-09
COPD in ever smokers	P2RX4	rs11553699	G	A	-0.076	0.013	0.110	1.05E-08	-0.015	0.023	0.509	0.001	32.750	TRUE	1.33E-06
COPD in ever smokers	P2RX4	rs11608693	A	G	-0.071	0.013	0.151	1.99E-08	-0.004	0.021	0.833	0.001	31.502	TRUE	8.01E-07
COPD in ever smokers	P2RX4	rs11609269	C	T	-0.301	0.039	0.023	1.19E-14	-0.043	0.061	0.474	0.002	59.545	TRUE	4.25E-11
COPD in ever smokers	P2RX4	rs11610160	A	G	-0.140	0.011	0.186	2.69E-36	-0.019	0.018	0.304	0.005	158.267	TRUE	3.15E-27
COPD in ever smokers	P2RX4	rs11610379	T	C	0.215	0.024	0.031	2.63E-19	-0.089	0.042	0.033	0.003	80.697	TRUE	1.25E-12
COPD in ever smokers	P2RX4	rs11615889	T	C	0.386	0.029	0.026	5.89E-40	0.010	0.041	0.809	0.005	175.022	TRUE	8.21E-32
COPD in ever smokers	P2RX4	rs116321836	A	C	0.277	0.035	0.020	3.41E-15	-0.095	0.067	0.154	0.002	62.012	TRUE	1.35E-10
COPD in ever smokers	P2RX4	rs117423291	T	C	0.246	0.037	0.017	3.96E-11	-0.057	0.052	0.274	0.001	43.631	TRUE	5.57E-08
COPD in ever smokers	P2RX4	rs117658566	T	C	0.333	0.030	0.020	2.35E-28	0.011	0.047	0.820	0.004	121.958	TRUE	1.26E-22
COPD in ever smokers	P2RX4	rs117786959	A	G	-0.406	0.050	0.013	4.88E-16	0.103	0.073	0.158	0.002	65.839	TRUE	3.08E-11
COPD in ever smokers	P2RX4	rs117846701	G	T	-0.493	0.030	0.022	3.27E-61	-0.035	0.053	0.505	0.009	272.464	TRUE	1.75E-47
COPD in ever smokers	P2RX4	rs118049242	T	C	-0.456	0.037	0.015	1.12E-34	0.119	0.055	0.031	0.005	150.863	TRUE	1.03E-23
COPD in ever smokers	P2RX4	rs12300459	G	A	0.081	0.013	0.105	1.05E-09	-0.036	0.026	0.163	0.001	37.230	TRUE	1.25E-06
COPD in ever smokers	P2RX4	rs12818602	C	T	0.290	0.045	0.018	1.43E-10	0.057	0.049	0.244	0.001	41.114	TRUE	1.72E-07
COPD in ever smokers	P2RX4	rs12832299	A	G	-0.072	0.011	0.253	7.70E-11	0.035	0.017	0.038	0.001	42.331	TRUE	9.24E-07
COPD in ever smokers	P2RX4	rs140432802	C	T	0.617	0.065	0.013	4.18E-21	-0.044	0.066	0.504	0.003	88.881	TRUE	3.71E-16
COPD in ever smokers	P2RX4	rs141106010	T	C	-0.394	0.027	0.027	4.49E-48	0.018	0.042	0.662	0.007	212.213	TRUE	9.12E-38

COPD in ever smokers	P2RX4	rs143484142	A	G	0.169	0.026	0.025	1.01E-10	0.024	0.040	0.541	0.001	41.806	TRUE	3.36E-08
COPD in ever smokers	P2RX4	rs147280511	T	C	-0.421	0.043	0.017	6.11E-23	-0.026	0.056	0.637	0.003	97.245	TRUE	6.54E-18
COPD in ever smokers	P2RX4	rs148950708	T	C	0.202	0.032	0.020	1.56E-10	-0.021	0.040	0.594	0.001	40.955	TRUE	3.86E-08
COPD in ever smokers	P2RX4	rs150125189	T	C	-0.472	0.030	0.023	2.25E-57	0.001	0.046	0.979	0.008	254.853	TRUE	3.15E-46
COPD in ever smokers	P2RX4	rs1706456	G	A	0.055	0.010	0.468	7.01E-09	0.020	0.015	0.187	0.001	33.529	TRUE	4.17E-06
COPD in ever smokers	P2RX4	rs1799525	C	A	-0.077	0.009	0.330	2.37E-18	0.030	0.016	0.060	0.002	76.348	TRUE	2.70E-12
COPD in ever smokers	P2RX4	rs184865012	A	G	0.218	0.040	0.017	3.60E-08	0.007	0.051	0.895	0.001	30.349	TRUE	1.07E-06
COPD in ever smokers	P2RX4	rs1975615	T	C	0.055	0.009	0.254	3.37E-09	-0.009	0.018	0.638	0.001	34.957	TRUE	3.61E-07
COPD in ever smokers	P2RX4	rs208311	G	A	0.139	0.009	0.310	5.61E-59	-0.039	0.016	0.015	0.008	262.208	TRUE	5.15E-41
COPD in ever smokers	P2RX4	rs2393750	C	T	-0.096	0.008	0.384	3.89E-32	-0.024	0.015	0.122	0.004	139.236	TRUE	5.11E-23
COPD in ever smokers	P2RX4	rs2522140	G	A	0.107	0.017	0.060	2.61E-10	-0.001	0.031	0.986	0.001	39.948	TRUE	1.56E-08
COPD in ever smokers	P2RX4	rs2686343	G	A	0.343	0.008	0.533	0.00E+00	-0.032	0.015	0.034	0.059	1969.194	TRUE	0.00E+00
COPD in ever smokers	P2RX4	rs2708101	T	C	-0.084	0.008	0.454	5.39E-26	0.015	0.015	0.308	0.003	111.177	TRUE	2.45E-19
COPD in ever smokers	P2RX4	rs3999561	G	A	-0.058	0.010	0.196	6.06E-09	-0.011	0.018	0.523	0.001	33.814	TRUE	8.38E-07
COPD in ever smokers	P2RX4	rs4480616	C	A	-0.151	0.008	0.389	4.65E-77	0.027	0.015	0.075	0.011	345.203	TRUE	1.98E-56
COPD in ever smokers	P2RX4	rs4767910	T	C	0.080	0.009	0.305	2.70E-20	-0.020	0.016	0.197	0.003	85.191	TRUE	1.42E-14
COPD in ever smokers	P2RX4	rs487915	T	C	0.174	0.019	0.052	1.19E-19	-0.083	0.033	0.011	0.003	82.267	TRUE	2.76E-12
COPD in ever smokers	P2RX4	rs503720	A	G	-0.144	0.008	0.323	4.20E-65	0.008	0.016	0.605	0.009	290.315	TRUE	5.76E-51
COPD in ever smokers	P2RX4	rs56156770	T	C	-0.363	0.033	0.018	1.25E-28	-0.014	0.051	0.783	0.004	123.202	TRUE	9.44E-23
COPD in ever smokers	P2RX4	rs59056867	G	A	-0.120	0.017	0.063	3.59E-12	0.058	0.030	0.054	0.002	48.333	TRUE	7.72E-08
COPD in ever smokers	P2RX4	rs61953403	G	A	-0.571	0.014	0.099	0.00E+00	0.003	0.024	0.886	0.051	1694.169	TRUE	1.13E-291
COPD in ever smokers	P2RX4	rs61953500	A	G	-0.113	0.018	0.058	2.72E-10	0.021	0.029	0.473	0.001	39.864	TRUE	9.37E-08
COPD in ever smokers	P2RX4	rs61954254	A	G	-0.070	0.010	0.188	5.24E-12	-0.015	0.019	0.444	0.001	47.591	TRUE	5.21E-09
COPD in ever smokers	P2RX4	rs6490297	C	T	-0.051	0.009	0.242	4.18E-08	0.000	0.017	0.993	0.001	30.064	TRUE	9.17E-07
COPD in ever smokers	P2RX4	rs7132256	C	T	0.206	0.020	0.040	3.58E-24	-0.031	0.035	0.367	0.003	102.862	TRUE	3.84E-18
COPD in ever smokers	P2RX4	rs7297766	G	A	0.228	0.029	0.021	8.35E-15	-0.040	0.054	0.460	0.002	60.248	TRUE	3.45E-11
COPD in ever smokers	P2RX4	rs73227952	T	C	-0.169	0.030	0.023	2.37E-08	0.017	0.044	0.701	0.001	31.161	TRUE	1.36E-06
COPD in ever smokers	P2RX4	rs75834561	C	T	0.245	0.024	0.028	5.14E-24	0.032	0.046	0.491	0.003	102.145	TRUE	2.21E-18
COPD in ever smokers	P2RX4	rs75950622	T	C	0.309	0.025	0.027	4.86E-36	-0.057	0.050	0.253	0.005	157.091	TRUE	8.64E-27
COPD in ever smokers	P2RX4	rs7958316	A	G	-0.209	0.031	0.020	1.22E-11	0.069	0.053	0.189	0.001	45.938	TRUE	4.04E-08
COPD in ever smokers	P2RX4	rs7965649	T	C	0.067	0.011	0.164	3.85E-10	0.021	0.020	0.308	0.001	39.183	TRUE	2.52E-07
COPD in ever smokers	PDLIM1	rs10786197	G	A	0.127	0.014	0.094	1.08E-20	0.003	0.026	0.898	0.003	87.009	TRUE	1.06E-16
COPD in ever smokers	PDLIM1	rs10882654	G	T	-0.045	0.008	0.478	1.47E-08	0.006	0.015	0.700	0.001	32.088	TRUE	9.37E-07
COPD in ever smokers	PDLIM1	rs11188105	C	T	-0.071	0.008	0.436	4.72E-19	0.000	0.015	0.985	0.003	79.537	TRUE	1.46E-15
COPD in ever smokers	PDLIM1	rs11188258	A	G	-0.173	0.023	0.032	5.36E-14	0.059	0.055	0.279	0.002	56.589	TRUE	3.88E-10
COPD in ever smokers	PDLIM1	rs113544984	A	C	-0.111	0.015	0.073	2.91E-13	0.036	0.029	0.211	0.002	53.264	TRUE	2.19E-09
COPD in ever smokers	PDLIM1	rs11596570	T	C	0.170	0.026	0.027	3.71E-11	0.023	0.041	0.567	0.001	43.758	TRUE	1.41E-08
COPD in ever smokers	PDLIM1	rs116338139	A	G	-0.119	0.022	0.035	4.43E-08	0.016	0.040	0.695	0.001	29.948	TRUE	2.25E-06
COPD in ever smokers	PDLIM1	rs34031095	G	A	0.207	0.013	0.112	9.23E-61	0.007	0.022	0.734	0.008	270.396	TRUE	4.77E-48
COPD in ever smokers	PDLIM1	rs41291566	G	A	0.142	0.023	0.034	7.70E-10	0.048	0.040	0.226	0.001	37.833	TRUE	6.60E-07
COPD in ever smokers	PDLIM1	rs45546031	T	C	0.164	0.011	0.173	2.59E-50	-0.005	0.019	0.783	0.007	222.474	TRUE	6.01E-40
COPD in ever smokers	PDLIM1	rs4918914	A	G	-0.077	0.011	0.140	1.66E-11	0.001	0.022	0.968	0.001	45.336	TRUE	1.81E-09

COPD in ever smokers	PDLIM1	rs55965825	T	G	-0.254	0.019	0.046	8.86E-41	-0.054	0.036	0.139	0.006	178.788	TRUE	1.12E-29
COPD in ever smokers	PDLIM1	rs61886805	C	A	0.090	0.014	0.099	6.52E-11	-0.001	0.028	0.959	0.001	42.654	TRUE	5.59E-09
COPD in ever smokers	PDLIM1	rs6583975	T	C	-0.094	0.012	0.142	1.89E-14	0.025	0.022	0.246	0.002	58.638	TRUE	2.22E-10
COPD in ever smokers	PDLIM1	rs7075651	T	C	0.057	0.009	0.302	7.44E-11	-0.004	0.016	0.789	0.001	42.398	TRUE	1.10E-08
COPD in ever smokers	PDLIM1	rs74538386	A	G	0.145	0.015	0.073	4.10E-21	0.050	0.027	0.067	0.003	88.919	TRUE	2.28E-14
COPD in ever smokers	PDLIM1	rs77186190	G	A	-0.321	0.042	0.015	1.23E-14	0.015	0.065	0.820	0.002	59.477	TRUE	9.90E-12
COPD in ever smokers	PDLIM1	rs7921287	A	G	-0.218	0.011	0.154	1.02E-88	0.024	0.021	0.264	0.012	398.739	TRUE	1.63E-67
COPD in ever smokers	PDLIM1	rs79279585	A	G	-0.099	0.011	0.199	1.77E-19	-0.010	0.019	0.580	0.003	81.478	TRUE	4.50E-15
COPD in ever smokers	PDLIM1	rs9332179	G	T	0.183	0.030	0.023	1.02E-09	0.006	0.042	0.880	0.001	37.283	TRUE	6.54E-08
COPD in ever smokers	PHKG2	rs62622830	C	T	-0.093	0.010	0.194	4.39E-20	0.006	0.018	0.743	0.003	84.231	TRUE	6.74E-16
COPD in ever smokers	PHKG2	rs76359228	G	A	0.069	0.010	0.183	2.46E-11	-0.041	0.020	0.035	0.001	44.566	TRUE	4.52E-07
COPD in ever smokers	PHKG2	rs9939417	T	C	0.059	0.008	0.371	5.85E-13	-0.034	0.015	0.027	0.002	51.894	TRUE	4.52E-08
COPD in ever smokers	PRDX2	rs10412055	T	C	-0.076	0.009	0.340	9.68E-19	-0.014	0.016	0.361	0.002	78.119	TRUE	5.83E-14
COPD in ever smokers	PRDX2	rs1046220	C	T	0.173	0.021	0.046	5.42E-16	0.077	0.035	0.027	0.002	65.631	TRUE	3.54E-10
COPD in ever smokers	PRDX2	rs117157640	A	G	0.127	0.021	0.044	2.79E-09	0.039	0.033	0.243	0.001	35.324	TRUE	1.53E-06
COPD in ever smokers	PRDX2	rs28379625	T	G	-0.150	0.021	0.039	3.56E-13	0.040	0.036	0.266	0.002	52.867	TRUE	1.74E-09
COPD in ever smokers	PRDX2	rs2861412	G	A	-0.078	0.013	0.104	2.01E-09	-0.025	0.025	0.315	0.001	35.959	TRUE	8.38E-07
COPD in ever smokers	PRDX2	rs45478502	A	C	0.120	0.016	0.076	9.87E-14	-0.013	0.029	0.652	0.002	55.389	TRUE	9.97E-11
COPD in ever smokers	PRDX2	rs55786848	T	C	-0.084	0.013	0.123	5.26E-11	0.027	0.020	0.194	0.001	43.075	TRUE	1.13E-07
COPD in ever smokers	PRDX2	rs7246968	A	G	-0.063	0.010	0.251	7.40E-11	0.003	0.019	0.872	0.001	42.409	TRUE	8.26E-09
COPD in ever smokers	PRDX2	rs75783493	T	C	0.070	0.011	0.140	9.95E-10	0.026	0.021	0.212	0.001	37.332	TRUE	8.66E-07
COPD in ever smokers	PRDX2	rs78893384	C	T	0.164	0.027	0.029	6.13E-10	0.019	0.055	0.734	0.001	38.276	TRUE	6.96E-08
COPD in ever smokers	PRDX2	rs8104822	G	A	-0.070	0.008	0.351	4.75E-17	0.011	0.016	0.492	0.002	70.435	TRUE	5.48E-13
COPD in ever smokers	PRDX2	rs8111617	T	C	-0.048	0.008	0.344	1.31E-08	0.031	0.016	0.047	0.001	32.317	TRUE	2.52E-05
COPD in ever smokers	PRKCD	rs1131728	G	A	0.087	0.010	0.193	1.07E-17	0.028	0.018	0.134	0.002	73.381	TRUE	2.42E-12
COPD in ever smokers	PRKCD	rs114341624	C	T	0.210	0.033	0.018	2.41E-10	0.034	0.055	0.532	0.001	40.097	TRUE	6.82E-08
COPD in ever smokers	PRKCD	rs12490667	A	G	-0.096	0.008	0.359	2.60E-31	-0.007	0.015	0.636	0.004	135.467	TRUE	1.75E-24
COPD in ever smokers	PRKCD	rs2230494	A	G	0.204	0.009	0.272	3.57E-117	0.023	0.017	0.176	0.016	529.500	TRUE	1.15E-88
COPD in ever smokers	PRKCD	rs2336722	G	A	0.059	0.008	0.408	3.79E-13	-0.007	0.015	0.653	0.002	52.745	TRUE	2.85E-10
COPD in ever smokers	PRKCD	rs4687571	T	G	0.129	0.009	0.314	8.08E-52	0.051	0.016	0.001	0.007	229.381	TRUE	7.30E-34
COPD in ever smokers	PRKCD	rs729660	T	G	0.175	0.018	0.055	3.04E-22	0.044	0.033	0.181	0.003	94.065	TRUE	5.83E-16
COPD in ever smokers	PRKCD	rs7628245	T	C	-0.082	0.010	0.187	1.25E-15	-0.025	0.020	0.206	0.002	63.990	TRUE	3.97E-11
COPD in ever smokers	PTEN	rs4933470	A	C	-0.093	0.015	0.358	1.65E-09	0.024	0.016	0.125	0.001	36.349	TRUE	2.35E-06
COPD in ever smokers	PTEN	rs6586116	T	C	-0.106	0.016	0.297	5.05E-11	0.076	0.017	4.32E-06	0.001	43.155	TRUE	1.20E-04
COPD in ever smokers	RHEB	rs2284264	C	T	0.106	0.012	0.509	2.52E-19	-0.042	0.015	0.005	0.003	80.779	TRUE	1.10E-11
COPD in ever smokers	RNF5	rs2442719	C	T	0.121	0.017	0.456	2.90E-13	-0.042	0.015	0.005	0.002	53.272	TRUE	1.13E-07
COPD in ever smokers	RNF5	rs3115672	T	C	-0.323	0.033	0.102	3.12E-22	0.090	0.021	2.98E-05	0.003	94.014	TRUE	8.39E-12
COPD in ever smokers	RNF5	rs62402717	A	G	0.656	0.063	0.027	2.15E-25	0.015	0.041	0.718	0.003	108.432	TRUE	4.93E-20
COPD in ever smokers	RNF5	rs9264227	G	A	0.149	0.023	0.223	6.46E-11	0.002	0.018	0.930	0.001	42.672	TRUE	6.13E-09
COPD in ever smokers	RNF5	rs9267653	T	C	0.101	0.018	0.280	2.06E-08	-0.030	0.016	0.070	0.001	31.434	TRUE	2.44E-05
COPD in ever smokers	RNF5	rs9272560	C	T	-0.210	0.026	0.237	6.29E-16	0.059	0.018	0.001	0.002	65.340	TRUE	7.26E-09
COPD in ever smokers	RNF5	rs9273493	T	C	0.163	0.019	0.439	2.33E-17	-0.047	0.015	0.002	0.002	71.834	TRUE	4.75E-10

COPD in ever smokers	RRP8	rs11040933	A	G	-0.248	0.008	0.342	5.03E-196	-0.034	0.016	0.032	0.027	892.079	TRUE	1.60E-145
COPD in ever smokers	RRP8	rs113199701	T	C	0.174	0.030	0.021	6.20E-09	-0.092	0.059	0.119	0.001	33.768	TRUE	6.37E-06
COPD in ever smokers	RRP8	rs117780316	A	G	0.129	0.022	0.035	8.91E-09	-0.009	0.037	0.805	0.001	33.063	TRUE	4.60E-07
COPD in ever smokers	RRP8	rs12804019	A	G	-0.171	0.018	0.054	5.01E-22	0.005	0.036	0.898	0.003	93.078	TRUE	9.14E-18
COPD in ever smokers	RRP8	rs2288283	G	A	-0.083	0.011	0.148	1.38E-13	0.042	0.022	0.059	0.002	54.724	TRUE	7.08E-09
COPD in ever smokers	RRP8	rs2595477	T	C	0.059	0.008	0.451	2.48E-13	0.025	0.015	0.091	0.002	53.579	TRUE	6.32E-09
COPD in ever smokers	RRP8	rs34135981	C	T	0.270	0.016	0.068	9.28E-62	-0.039	0.029	0.174	0.009	274.973	TRUE	5.53E-46
COPD in ever smokers	RRP8	rs56716552	T	C	-0.071	0.011	0.212	1.36E-11	0.015	0.020	0.454	0.001	45.716	TRUE	1.03E-08
COPD in ever smokers	RRP8	rs59011286	G	A	-0.175	0.015	0.080	3.56E-31	-0.007	0.028	0.808	0.004	134.843	TRUE	7.78E-25
COPD in ever smokers	RRP8	rs61729699	C	T	-0.199	0.031	0.022	8.06E-11	-0.014	0.046	0.769	0.001	42.240	TRUE	1.25E-08
COPD in ever smokers	RRP8	rs61875867	T	C	-0.748	0.035	0.018	3.93E-101	-0.013	0.047	0.785	0.014	455.777	TRUE	3.35E-80
COPD in ever smokers	RRP8	rs61876778	C	T	-0.218	0.036	0.018	2.01E-09	-0.040	0.057	0.486	0.001	35.962	TRUE	4.12E-07
COPD in ever smokers	RRP8	rs67622999	G	A	0.085	0.010	0.223	1.66E-18	-0.018	0.017	0.305	0.002	77.052	TRUE	1.28E-13
COPD in ever smokers	RRP8	rs74751108	T	C	-0.161	0.024	0.032	8.89E-12	0.007	0.042	0.862	0.001	46.556	TRUE	1.58E-09
COPD in ever smokers	SELK	rs34724920	A	G	-0.125	0.014	0.090	2.52E-19	-0.027	0.026	0.303	0.003	80.775	TRUE	3.12E-14
COPD in ever smokers	SELK	rs3816144	G	A	-0.109	0.008	0.454	1.67E-42	-0.047	0.015	0.002	0.006	186.682	TRUE	2.36E-27
COPD in ever smokers	SELK	rs75049358	G	A	-0.106	0.016	0.068	2.04E-11	-0.010	0.033	0.775	0.001	44.930	TRUE	4.15E-09
COPD in ever smokers	SESN1	rs10457183	T	C	0.063	0.010	0.187	1.12E-09	0.030	0.020	0.124	0.001	37.100	TRUE	1.79E-06
COPD in ever smokers	SESN1	rs11153123	G	A	0.053	0.009	0.299	2.93E-09	0.005	0.018	0.765	0.001	35.229	TRUE	2.16E-07
COPD in ever smokers	SESN1	rs117323902	A	G	0.557	0.032	0.019	7.04E-66	-0.053	0.051	0.299	0.009	293.879	TRUE	4.63E-50
COPD in ever smokers	SESN1	rs1327470	T	C	0.129	0.010	0.208	4.57E-40	0.074	0.018	6.45E-05	0.006	175.524	TRUE	6.24E-24
COPD in ever smokers	SESN1	rs138918444	A	G	0.594	0.042	0.014	1.35E-44	-0.110	0.066	0.099	0.006	196.268	TRUE	3.49E-32
COPD in ever smokers	SESN1	rs2050310	C	T	0.154	0.008	0.343	2.95E-76	-0.042	0.016	0.007	0.011	341.518	TRUE	4.94E-53
COPD in ever smokers	SESN1	rs2140034	T	C	-0.071	0.010	0.191	7.70E-12	0.017	0.020	0.415	0.001	46.838	TRUE	7.95E-09
COPD in ever smokers	SESN1	rs2768548	C	T	0.160	0.009	0.244	3.38E-67	0.012	0.018	0.499	0.009	299.931	TRUE	3.83E-52
COPD in ever smokers	SESN1	rs2768561	A	G	-0.090	0.010	0.184	1.17E-18	-0.049	0.019	0.010	0.002	77.741	TRUE	1.36E-11
COPD in ever smokers	SESN1	rs351738	C	T	-0.060	0.009	0.302	1.64E-11	0.009	0.016	0.570	0.001	45.360	TRUE	7.38E-09
COPD in ever smokers	SESN1	rs35629606	T	C	-0.096	0.015	0.103	2.63E-10	0.037	0.025	0.145	0.001	39.932	TRUE	5.31E-07
COPD in ever smokers	SESN1	rs35740192	T	C	-0.100	0.010	0.210	4.98E-22	0.028	0.018	0.122	0.003	93.090	TRUE	1.79E-15
COPD in ever smokers	SESN1	rs3941888	A	G	0.099	0.009	0.315	8.03E-31	0.001	0.016	0.953	0.004	133.228	TRUE	6.37E-25
COPD in ever smokers	SESN1	rs554244	T	C	0.079	0.008	0.461	6.46E-22	0.015	0.015	0.311	0.003	92.577	TRUE	3.12E-16
COPD in ever smokers	SESN1	rs574815	G	A	0.203	0.017	0.063	3.38E-34	-0.026	0.037	0.480	0.005	148.664	TRUE	2.86E-26
COPD in ever smokers	SESN1	rs6938859	C	T	0.235	0.029	0.027	1.97E-16	-0.180	0.048	1.67E-04	0.002	67.627	TRUE	1.22E-08
COPD in ever smokers	SESN1	rs75222113	C	T	-0.118	0.015	0.081	2.21E-14	-0.034	0.025	0.185	0.002	58.332	TRUE	4.02E-10
COPD in ever smokers	SESN1	rs75352535	G	A	0.222	0.016	0.074	3.06E-45	-0.025	0.030	0.403	0.006	199.226	TRUE	1.41E-34
COPD in ever smokers	SESN1	rs75576199	G	A	0.567	0.030	0.020	4.50E-82	-0.078	0.063	0.217	0.011	368.224	TRUE	5.50E-62
COPD in ever smokers	SESN1	rs76192723	A	G	0.330	0.031	0.018	5.84E-27	0.035	0.056	0.528	0.004	115.586	TRUE	8.92E-21
COPD in ever smokers	SESN1	rs9400329	G	T	0.101	0.014	0.101	2.71E-12	0.011	0.021	0.614	0.002	48.885	TRUE	1.54E-09
COPD in ever smokers	SESN1	rs9486939	G	A	0.285	0.044	0.015	1.41E-10	0.004	0.066	0.952	0.001	41.147	TRUE	1.06E-08
COPD in ever smokers	SHISA5	rs138564363	T	C	-0.112	0.018	0.078	2.69E-10	0.017	0.028	0.541	0.001	39.882	TRUE	7.18E-08
COPD in ever smokers	SHISA5	rs35452137	C	A	0.151	0.014	0.091	3.07E-27	0.030	0.024	0.202	0.004	116.857	TRUE	7.90E-20
COPD in ever smokers	SHISA5	rs62261465	A	G	0.139	0.020	0.052	3.74E-12	0.023	0.032	0.473	0.002	48.252	TRUE	3.53E-09

COPD in ever smokers	SHISA5	rs76508722	A	G	-0.251	0.037	0.015	1.50E-11	-0.059	0.062	0.345	0.001	45.533	TRUE	1.84E-08
COPD in ever smokers	SKIL	rs74568838	T	C	-0.255	0.031	0.020	7.88E-17	0.037	0.051	0.467	0.002	69.434	TRUE	9.23E-13
COPD in ever smokers	SKIL	rs75287841	G	A	0.176	0.023	0.035	1.25E-14	0.017	0.039	0.660	0.002	59.450	TRUE	1.92E-11
COPD in ever smokers	SKIL	rs969217	T	C	-0.047	0.008	0.372	2.37E-08	0.038	0.015	0.014	0.001	31.166	TRUE	9.00E-05
COPD in ever smokers	STX4	rs1046276	T	C	0.312	0.008	0.375	0.00E+00	0.046	0.015	0.003	0.045	1508.584	TRUE	4.95E-242
COPD in ever smokers	STX4	rs11150606	C	T	-0.150	0.020	0.050	1.92E-13	-0.083	0.060	0.165	0.002	54.087	TRUE	2.34E-09
COPD in ever smokers	STX4	rs112766425	G	A	0.285	0.017	0.060	5.35E-60	0.020	0.031	0.514	0.008	266.894	TRUE	1.43E-46
COPD in ever smokers	STX4	rs11642632	A	G	0.186	0.024	0.032	4.49E-15	0.086	0.038	0.024	0.002	61.468	TRUE	1.70E-09
COPD in ever smokers	STX4	rs116849262	A	G	-0.170	0.024	0.036	2.34E-12	0.046	0.037	0.212	0.002	49.176	TRUE	1.01E-08
COPD in ever smokers	STX4	rs117219760	G	T	0.277	0.042	0.024	2.61E-11	0.143	0.051	0.005	0.001	44.446	TRUE	2.22E-06
COPD in ever smokers	STX4	rs117829446	C	T	-0.152	0.013	0.099	1.30E-29	0.016	0.023	0.488	0.004	127.705	TRUE	1.00E-22
COPD in ever smokers	STX4	rs12918549	T	C	-0.059	0.009	0.340	4.73E-12	0.015	0.016	0.352	0.002	47.792	TRUE	7.45E-09
COPD in ever smokers	STX4	rs138453524	A	G	0.282	0.035	0.019	1.55E-15	-0.004	0.065	0.948	0.002	63.561	TRUE	1.14E-12
COPD in ever smokers	STX4	rs139294330	G	A	-0.153	0.025	0.035	5.85E-10	-0.011	0.040	0.781	0.001	38.368	TRUE	5.75E-08
COPD in ever smokers	STX4	rs143159643	T	C	-0.325	0.058	0.014	1.57E-08	-0.006	0.067	0.928	0.001	31.968	TRUE	5.01E-07
COPD in ever smokers	STX4	rs146060040	T	C	0.255	0.037	0.017	8.39E-12	0.052	0.074	0.482	0.001	46.671	TRUE	6.31E-09
COPD in ever smokers	STX4	rs147208188	A	G	0.305	0.027	0.024	2.78E-29	0.064	0.048	0.179	0.004	126.190	TRUE	2.96E-21
COPD in ever smokers	STX4	rs149949703	A	G	0.209	0.038	0.017	3.91E-08	-0.055	0.051	0.289	0.001	30.191	TRUE	8.50E-06
COPD in ever smokers	STX4	rs28385574	T	C	-0.209	0.017	0.068	8.78E-34	-0.069	0.024	0.004	0.005	146.769	TRUE	1.06E-21
COPD in ever smokers	STX4	rs4321211	C	T	-0.049	0.008	0.493	6.72E-10	0.009	0.015	0.525	0.001	38.099	TRUE	1.53E-07
COPD in ever smokers	STX4	rs4447446	C	T	0.112	0.008	0.469	5.73E-45	0.022	0.015	0.138	0.006	197.981	TRUE	7.50E-33
COPD in ever smokers	STX4	rs4500746	T	C	0.069	0.009	0.303	1.32E-15	0.044	0.016	0.006	0.002	63.881	TRUE	2.97E-09
COPD in ever smokers	STX4	rs4889654	G	A	0.077	0.008	0.375	1.31E-20	0.011	0.015	0.480	0.003	86.630	TRUE	1.03E-15
COPD in ever smokers	STX4	rs56142883	T	C	0.260	0.025	0.031	6.83E-25	0.015	0.043	0.732	0.003	106.145	TRUE	1.14E-19
COPD in ever smokers	STX4	rs72785572	C	T	0.194	0.018	0.063	1.48E-26	-0.035	0.032	0.274	0.004	113.744	TRUE	1.24E-19
COPD in ever smokers	STX4	rs72785590	A	G	0.158	0.020	0.052	1.63E-15	-0.019	0.036	0.604	0.002	63.466	TRUE	4.97E-12
COPD in ever smokers	STX4	rs72792516	C	T	-0.108	0.019	0.050	1.44E-08	-0.052	0.033	0.120	0.001	32.136	TRUE	1.13E-05
COPD in ever smokers	STX4	rs72800851	T	C	-0.203	0.033	0.021	4.75E-10	-0.022	0.049	0.657	0.001	38.776	TRUE	7.38E-08
COPD in ever smokers	STX4	rs74776661	A	C	-0.211	0.036	0.018	4.45E-09	-0.065	0.070	0.356	0.001	34.413	TRUE	1.26E-06
COPD in ever smokers	STX4	rs75812329	A	G	0.112	0.018	0.076	4.48E-10	0.041	0.027	0.125	0.001	38.888	TRUE	9.30E-07
COPD in ever smokers	STX4	rs77353311	G	A	-0.199	0.014	0.098	3.68E-47	0.000	0.024	0.985	0.007	208.026	TRUE	4.37E-38
COPD in ever smokers	STX4	rs79030220	T	C	-0.172	0.020	0.055	1.27E-18	-0.031	0.031	0.309	0.002	77.580	TRUE	1.02E-13
COPD in ever smokers	STX4	rs9746755	A	G	-0.086	0.008	0.519	1.13E-26	-0.025	0.015	0.099	0.004	114.269	TRUE	9.45E-19
COPD in ever smokers	SUMF1	rs112424003	C	T	0.205	0.030	0.021	1.15E-11	-0.069	0.049	0.161	0.001	46.047	TRUE	4.85E-08
COPD in ever smokers	SUMF1	rs113370645	C	A	-0.276	0.031	0.024	3.90E-19	0.010	0.047	0.829	0.003	79.915	TRUE	2.54E-15
COPD in ever smokers	SUMF1	rs113784264	C	T	-0.166	0.015	0.074	5.49E-28	-0.020	0.029	0.486	0.004	120.272	TRUE	1.86E-21
COPD in ever smokers	SUMF1	rs115195721	T	C	-0.178	0.029	0.022	1.09E-09	0.070	0.045	0.119	0.001	37.156	TRUE	1.85E-06
COPD in ever smokers	SUMF1	rs115272631	A	G	-0.262	0.027	0.025	5.59E-22	0.018	0.048	0.713	0.003	92.862	TRUE	2.50E-17
COPD in ever smokers	SUMF1	rs116087894	A	G	0.244	0.024	0.033	1.06E-24	0.109	0.042	0.008	0.003	105.265	TRUE	1.06E-15
COPD in ever smokers	SUMF1	rs116419535	C	T	0.298	0.043	0.013	4.09E-12	0.024	0.070	0.734	0.002	48.080	TRUE	1.35E-09
COPD in ever smokers	SUMF1	rs12489356	T	G	-0.111	0.012	0.133	2.17E-19	-0.003	0.024	0.911	0.003	81.071	TRUE	1.10E-15
COPD in ever smokers	SUMF1	rs12492193	A	G	0.067	0.012	0.142	5.52E-09	-0.033	0.020	0.101	0.001	33.996	TRUE	6.91E-06

COPD in ever smokers	SUMF1	rs138505266	A	G	0.259	0.031	0.025	3.42E-17	-0.075	0.061	0.222	0.002	71.084	TRUE	2.38E-12
COPD in ever smokers	SUMF1	rs139589566	G	T	-0.150	0.027	0.024	4.14E-08	-0.041	0.044	0.354	0.001	30.079	TRUE	6.73E-06
COPD in ever smokers	SUMF1	rs140341211	T	C	0.345	0.023	0.035	1.09E-50	0.022	0.043	0.610	0.007	224.196	TRUE	1.22E-39
COPD in ever smokers	SUMF1	rs140543602	G	A	-0.313	0.043	0.014	3.62E-13	-0.018	0.066	0.783	0.002	52.835	TRUE	1.66E-10
COPD in ever smokers	SUMF1	rs142591183	A	G	-0.192	0.025	0.028	4.56E-14	0.011	0.042	0.789	0.002	56.909	TRUE	3.15E-11
COPD in ever smokers	SUMF1	rs143782264	T	C	0.207	0.030	0.020	7.63E-12	-0.081	0.051	0.112	0.001	46.857	TRUE	5.72E-08
COPD in ever smokers	SUMF1	rs147836538	C	A	0.273	0.036	0.016	2.76E-14	0.051	0.055	0.348	0.002	57.896	TRUE	1.55E-10
COPD in ever smokers	SUMF1	rs1688416	A	C	0.246	0.016	0.064	1.57E-52	-0.006	0.035	0.868	0.007	232.639	TRUE	5.46E-42
COPD in ever smokers	SUMF1	rs183746937	C	T	0.180	0.028	0.028	1.22E-10	-0.042	0.045	0.357	0.001	41.430	TRUE	8.43E-08
COPD in ever smokers	SUMF1	rs2083932	T	C	0.127	0.012	0.121	1.50E-25	0.043	0.023	0.066	0.003	109.145	TRUE	1.32E-17
COPD in ever smokers	SUMF1	rs221109	G	T	0.239	0.019	0.047	8.01E-37	0.045	0.038	0.245	0.005	160.677	TRUE	2.40E-27
COPD in ever smokers	SUMF1	rs304006	G	A	0.115	0.008	0.484	1.29E-47	-0.004	0.015	0.775	0.007	210.116	TRUE	8.77E-38
COPD in ever smokers	SUMF1	rs304075	A	G	-0.237	0.020	0.046	6.69E-34	-0.003	0.033	0.921	0.005	147.307	TRUE	2.67E-27
COPD in ever smokers	SUMF1	rs35041149	A	G	-0.259	0.026	0.026	9.90E-24	-0.104	0.042	0.014	0.003	100.847	TRUE	2.74E-15
COPD in ever smokers	SUMF1	rs35508055	C	T	0.198	0.028	0.023	1.05E-12	0.026	0.041	0.519	0.002	50.739	TRUE	1.09E-09
COPD in ever smokers	SUMF1	rs4685735	A	G	-0.179	0.009	0.241	6.66E-84	-0.007	0.018	0.711	0.012	376.632	TRUE	3.05E-66
COPD in ever smokers	SUMF1	rs4685746	T	C	-0.326	0.008	0.329	0.00E+00	0.005	0.016	0.731	0.046	1518.704	TRUE	9.12E-261
COPD in ever smokers	SUMF1	rs4685749	C	A	0.216	0.015	0.080	7.65E-49	0.059	0.031	0.057	0.007	215.736	TRUE	8.66E-35
COPD in ever smokers	SUMF1	rs60828753	C	T	-0.384	0.016	0.065	1.39E-120	-0.014	0.032	0.654	0.017	545.167	TRUE	7.24E-95
COPD in ever smokers	SUMF1	rs62259853	G	T	-0.172	0.025	0.028	2.91E-12	-0.063	0.051	0.209	0.002	48.748	TRUE	1.21E-08
COPD in ever smokers	SUMF1	rs698213	C	T	-0.133	0.013	0.111	1.48E-24	-0.034	0.023	0.142	0.003	104.614	TRUE	1.75E-17
COPD in ever smokers	SUMF1	rs711667	G	A	-0.197	0.014	0.088	5.46E-45	-0.031	0.029	0.290	0.006	198.076	TRUE	7.42E-34
COPD in ever smokers	SUMF1	rs73001422	C	T	0.234	0.016	0.069	1.07E-48	0.020	0.031	0.519	0.007	215.061	TRUE	9.74E-38
COPD in ever smokers	SUMF1	rs73009420	G	A	0.220	0.026	0.028	1.58E-17	0.087	0.042	0.039	0.002	72.600	TRUE	1.85E-11
COPD in ever smokers	SUMF1	rs74626399	T	C	-0.245	0.032	0.021	2.84E-14	-0.063	0.048	0.188	0.002	57.835	TRUE	4.71E-10
COPD in ever smokers	SUMF1	rs74808612	A	G	0.308	0.023	0.039	1.63E-41	0.025	0.033	0.457	0.006	182.157	TRUE	6.86E-32
COPD in ever smokers	SUMF1	rs74834856	A	C	0.087	0.016	0.070	3.22E-08	-0.043	0.031	0.167	0.001	30.566	TRUE	1.42E-05
COPD in ever smokers	SUMF1	rs7635762	A	G	0.122	0.012	0.147	7.42E-26	0.046	0.026	0.075	0.003	110.545	TRUE	6.35E-18
COPD in ever smokers	SUMF1	rs76874389	A	C	0.142	0.012	0.125	2.59E-32	0.008	0.022	0.717	0.004	140.050	TRUE	1.69E-25
COPD in ever smokers	SUMF1	rs77390531	A	C	-0.196	0.020	0.049	3.22E-22	-0.013	0.031	0.671	0.003	93.956	TRUE	2.01E-17
COPD in ever smokers	SUMF1	rs78384	T	C	-0.095	0.008	0.389	2.50E-30	-0.029	0.015	0.057	0.004	130.970	TRUE	5.31E-21
COPD in ever smokers	SUMF1	rs78979110	A	G	-0.444	0.056	0.024	1.97E-15	-0.052	0.065	0.420	0.002	63.094	TRUE	1.40E-11
COPD in ever smokers	SUMF1	rs795729	T	C	-0.058	0.010	0.190	1.44E-08	-0.001	0.021	0.970	0.001	32.127	TRUE	4.16E-07
COPD in ever smokers	SUMF1	rs80251639	G	A	-0.201	0.030	0.024	1.66E-11	-0.019	0.044	0.660	0.001	45.339	TRUE	5.30E-09
COPD in ever smokers	SUMF1	rs80353886	T	C	-0.221	0.028	0.027	2.02E-15	0.045	0.041	0.271	0.002	63.046	TRUE	3.48E-11
COPD in ever smokers	SUMF1	rs901870	G	T	-0.256	0.008	0.366	1.77E-217	-0.026	0.015	0.086	0.030	990.764	TRUE	4.33E-164
COPD in ever smokers	SUMF1	rs9822773	C	T	0.112	0.008	0.501	2.93E-45	0.034	0.015	0.023	0.006	199.317	TRUE	2.88E-31
COPD in ever smokers	SUMF1	rs9837864	A	G	-0.253	0.010	0.215	4.64E-154	-0.052	0.019	0.005	0.022	699.076	TRUE	8.75E-111
COPD in ever smokers	SUMF1	rs9847780	A	G	0.337	0.032	0.021	1.54E-25	-0.006	0.056	0.913	0.003	109.091	TRUE	1.33E-20
COPD in ever smokers	SUMF1	rs9990361	T	C	0.086	0.011	0.315	3.49E-16	0.012	0.018	0.495	0.002	66.500	TRUE	2.52E-12
COPD in ever smokers	UFL1	rs12214839	G	A	-0.064	0.010	0.294	4.22E-11	0.017	0.016	0.295	0.001	43.505	TRUE	5.19E-08
COPD in ever smokers	UFL1	rs4839850	T	C	-0.074	0.011	0.196	4.68E-11	0.010	0.018	0.568	0.001	43.304	TRUE	1.68E-08

COPD in ever smokers	UFL1	rs6938549	A	G	0.083	0.011	0.215	1.09E-14	-0.010	0.018	0.565	0.002	59.724	TRUE	2.59E-11
COPD in ever smokers	UFL1	rs76399897	A	G	0.217	0.022	0.045	7.90E-24	-0.074	0.036	0.043	0.003	101.294	TRUE	4.85E-16
COPD in ever smokers	UFL1	rs9372112	A	C	0.148	0.025	0.035	4.19E-09	-0.025	0.041	0.548	0.001	34.532	TRUE	5.78E-07
COPD in ever smokers	UFL1	rs9374022	A	G	-0.084	0.014	0.144	1.40E-09	0.042	0.021	0.041	0.001	36.663	TRUE	6.19E-06
COPD in ever smokers	UFL1	rs9386528	A	G	0.181	0.009	0.318	4.42E-82	-0.041	0.016	0.013	0.011	368.261	TRUE	5.26E-58
COPD in ever smokers	WAC	rs11007107	A	G	0.083	0.011	0.169	9.23E-15	0.005	0.020	0.796	0.002	60.049	TRUE	8.65E-12
COPD in ever smokers	WAC	rs117722134	T	C	0.274	0.038	0.017	5.64E-13	0.027	0.065	0.681	0.002	51.964	TRUE	3.48E-10
COPD in ever smokers	WAC	rs12246494	C	T	-0.103	0.008	0.478	2.69E-37	-0.002	0.015	0.918	0.005	162.844	TRUE	5.26E-30
COPD in ever smokers	WAC	rs139433811	T	C	-0.160	0.023	0.038	1.38E-12	-0.012	0.036	0.727	0.002	50.208	TRUE	5.89E-10
COPD in ever smokers	WAC	rs150825076	T	C	0.143	0.022	0.036	1.40E-10	0.019	0.042	0.658	0.001	41.154	TRUE	2.84E-08
COPD in ever smokers	WAC	rs150871434	C	A	0.209	0.028	0.026	5.66E-14	0.014	0.043	0.740	0.002	56.484	TRUE	4.54E-11
COPD in ever smokers	WAC	rs151047692	A	G	0.251	0.025	0.033	4.63E-23	0.064	0.041	0.114	0.003	97.794	TRUE	3.50E-16
COPD in ever smokers	WAC	rs182451824	A	G	-0.289	0.046	0.014	2.68E-10	-0.184	0.076	0.015	0.001	39.889	TRUE	4.59E-06
COPD in ever smokers	WAC	rs332192	T	C	-0.148	0.009	0.322	2.49E-64	-0.038	0.016	0.016	0.009	286.769	TRUE	5.06E-45
COPD in ever smokers	WAC	rs34455583	T	C	0.250	0.009	0.285	4.36E-176	0.013	0.017	0.418	0.025	800.373	TRUE	1.03E-136
COPD in ever smokers	WAC	rs3893072	C	T	-0.064	0.008	0.357	3.22E-14	-0.006	0.016	0.693	0.002	57.589	TRUE	3.52E-11
COPD in ever smokers	WAC	rs61846498	A	G	-0.256	0.046	0.014	2.18E-08	-0.041	0.056	0.468	0.001	31.329	TRUE	2.69E-06
COPD in ever smokers	WAC	rs61848530	T	C	-0.161	0.010	0.229	9.51E-64	0.001	0.017	0.959	0.009	284.101	TRUE	3.01E-51
COPD in ever smokers	WAC	rs72809619	A	G	0.221	0.033	0.019	1.85E-11	-0.046	0.049	0.356	0.001	45.118	TRUE	2.04E-08
COPD in ever smokers	WAC	rs75561131	C	T	-0.127	0.019	0.047	2.80E-11	0.045	0.032	0.165	0.001	44.311	TRUE	8.90E-08
COPD in ever smokers	WAC	rs76841797	T	C	0.316	0.024	0.035	4.38E-39	-0.001	0.042	0.990	0.005	171.033	TRUE	1.23E-31
COPD in ever smokers	WAC	rs77535274	T	C	-0.138	0.018	0.056	1.83E-14	0.010	0.033	0.774	0.002	58.702	TRUE	1.63E-11
COPD in ever smokers	WDFY3	rs6531777	T	C	-0.100	0.008	0.337	4.64E-33	-0.040	0.015	0.009	0.005	143.458	TRUE	1.10E-21
COPD in ever smokers	ZMPSTE24	rs2076697	C	T	-0.149	0.015	0.074	7.30E-23	0.002	0.029	0.952	0.003	96.889	TRUE	1.51E-18
COPD in ever smokers	ZMPSTE24	rs209598	A	G	0.064	0.008	0.465	6.93E-16	0.013	0.015	0.397	0.002	65.150	TRUE	7.15E-12
COPD in ever smokers	ZMPSTE24	rs2284447	T	G	-0.112	0.017	0.067	2.08E-11	0.035	0.033	0.287	0.001	44.895	TRUE	3.20E-08
COPD in ever smokers	ZMPSTE24	rs453270	A	G	-0.096	0.015	0.080	7.13E-11	-0.007	0.027	0.787	0.001	42.479	TRUE	1.07E-08
COPD in ever smokers	ZMPSTE24	rs579245	T	C	-0.052	0.008	0.486	7.27E-11	0.000	0.015	0.994	0.001	42.443	TRUE	5.43E-09
COPD in ever smokers	ZMPSTE24	rs6600323	A	G	-0.128	0.008	0.436	8.47E-58	0.035	0.015	0.018	0.008	256.803	TRUE	2.50E-40
COPD in ever smokers	ZMPSTE24	rs6676644	C	T	0.081	0.013	0.105	3.93E-10	-0.017	0.024	0.475	0.001	39.143	TRUE	1.24E-07
COPD in ever smokers	ZMPSTE24	rs7524958	A	G	-0.080	0.011	0.157	3.18E-13	0.013	0.022	0.568	0.002	53.088	TRUE	3.52E-10
COPD in ever smokers	ZMPSTE24	rs80053778	A	G	-0.123	0.019	0.045	1.51E-10	-0.001	0.034	0.969	0.001	41.011	TRUE	1.06E-08
COPD in ever smokers	ZNF622	rs334471	A	G	-0.103	0.008	0.395	1.38E-36	-0.033	0.015	0.034	0.005	159.593	TRUE	3.36E-25
COPD in ever smokers	ZNF622	rs6867538	G	T	0.054	0.008	0.428	1.55E-11	-0.005	0.015	0.737	0.001	45.462	TRUE	3.82E-09
COPD in ever smokers	ZNF622	rs76202191	A	G	0.102	0.018	0.056	8.24E-09	0.012	0.037	0.737	0.001	33.215	TRUE	5.32E-07
COPD in never smokers	AP1B1	rs11539373	A	G	-0.155	0.024	0.032	1.28E-10	0.056	0.053	0.294	0.001	41.329	TRUE	1.20E-07
COPD in never smokers	AP1B1	rs11704518	A	G	0.054	0.008	0.345	9.22E-11	-0.004	0.017	0.836	0.001	41.977	TRUE	1.11E-08
COPD in never smokers	AP1B1	rs117578133	A	G	0.285	0.025	0.028	4.40E-30	-0.049	0.048	0.307	0.004	129.852	TRUE	1.82E-22
COPD in never smokers	AP1B1	rs3765297	A	G	-0.098	0.017	0.067	5.07E-09	0.103	0.038	0.006	0.001	34.159	TRUE	5.70E-05
COPD in never smokers	AP1B1	rs3788412	C	T	-0.176	0.009	0.303	6.71E-93	0.047	0.018	0.010	0.013	417.957	TRUE	7.46E-66
COPD in never smokers	AP1B1	rs8140270	C	A	-0.110	0.014	0.089	4.93E-15	0.018	0.030	0.551	0.002	61.286	TRUE	1.50E-11
COPD in never smokers	AP1B1	rs8140848	A	G	0.066	0.010	0.201	2.81E-11	-0.016	0.019	0.407	0.001	44.305	TRUE	2.20E-08

COPD in never smokers	AP1B1	rs9608832	C	A	-0.082	0.015	0.083	1.59E-08	0.066	0.030	0.030	0.001	31.938	TRUE	4.10E-05
COPD in never smokers	AP3B2	rs10851962	G	A	0.055	0.008	0.425	1.02E-11	-0.050	0.017	0.003	0.001	46.286	TRUE	1.98E-06
COPD in never smokers	AP3B2	rs112202228	G	A	0.474	0.030	0.020	6.29E-56	0.017	0.061	0.781	0.008	248.223	TRUE	2.16E-44
COPD in never smokers	AP3B2	rs112478508	T	C	-0.138	0.009	0.302	9.54E-58	0.052	0.018	0.004	0.008	256.566	TRUE	6.12E-39
COPD in never smokers	AP3B2	rs117736360	G	A	0.321	0.026	0.026	3.75E-34	-0.051	0.046	0.274	0.005	148.460	TRUE	1.92E-25
COPD in never smokers	AP3B2	rs12443081	A	G	0.121	0.014	0.087	2.94E-17	-0.092	0.029	0.001	0.002	71.379	TRUE	7.40E-10
COPD in never smokers	AP3B2	rs12592193	C	T	-0.099	0.013	0.108	1.18E-14	0.026	0.025	0.296	0.002	59.563	TRUE	1.12E-10
COPD in never smokers	AP3B2	rs137902425	A	C	0.309	0.035	0.015	2.09E-18	-0.156	0.083	0.060	0.002	76.600	TRUE	2.48E-12
COPD in never smokers	AP3B2	rs139950012	C	T	-0.087	0.015	0.081	4.61E-09	0.017	0.030	0.584	0.001	34.347	TRUE	5.50E-07
COPD in never smokers	AP3B2	rs141549770	A	G	0.124	0.021	0.041	1.65E-09	-0.012	0.037	0.747	0.001	36.351	TRUE	1.45E-07
COPD in never smokers	AP3B2	rs142681630	T	C	0.439	0.024	0.032	1.08E-72	0.009	0.042	0.833	0.010	325.162	TRUE	6.96E-58
COPD in never smokers	AP3B2	rs148439657	T	G	0.187	0.029	0.022	8.22E-11	0.064	0.071	0.362	0.001	42.203	TRUE	6.11E-08
COPD in never smokers	AP3B2	rs1491579	T	C	-0.053	0.008	0.483	2.73E-11	0.029	0.017	0.079	0.001	44.355	TRUE	2.15E-07
COPD in never smokers	AP3B2	rs1503068	G	A	-0.056	0.008	0.381	5.42E-12	0.002	0.017	0.924	0.001	47.527	TRUE	8.56E-10
COPD in never smokers	AP3B2	rs17527969	G	A	0.174	0.028	0.046	6.69E-10	-0.080	0.037	0.031	0.001	38.106	TRUE	4.84E-06
COPD in never smokers	AP3B2	rs4778972	A	G	0.099	0.009	0.241	1.49E-26	-0.022	0.019	0.246	0.004	113.722	TRUE	1.63E-19
COPD in never smokers	AP3B2	rs4778973	T	C	0.098	0.008	0.401	4.04E-34	-0.022	0.017	0.185	0.005	148.309	TRUE	5.96E-25
COPD in never smokers	AP3B2	rs62010181	G	A	-0.084	0.009	0.320	6.52E-23	-0.014	0.018	0.437	0.003	97.115	TRUE	2.23E-17
COPD in never smokers	AP3B2	rs6603031	C	T	-0.130	0.019	0.051	3.05E-12	-0.009	0.042	0.824	0.002	48.653	TRUE	7.73E-10
COPD in never smokers	AP3B2	rs7174089	T	C	0.151	0.008	0.488	6.32E-82	-0.054	0.016	9.72E-04	0.011	367.550	TRUE	1.98E-55
COPD in never smokers	AP3B2	rs74024687	C	T	0.073	0.010	0.174	4.63E-12	-0.002	0.022	0.933	0.002	47.837	TRUE	7.32E-10
COPD in never smokers	AP3B2	rs7496832	C	A	0.216	0.012	0.140	1.35E-78	-0.011	0.025	0.657	0.011	352.252	TRUE	8.14E-62
COPD in never smokers	AP3B2	rs899747	C	T	-0.097	0.010	0.179	7.87E-21	0.011	0.021	0.594	0.003	87.630	TRUE	3.70E-16
COPD in never smokers	AP3D1	rs10413398	C	T	-0.264	0.011	0.228	2.69E-131	-0.068	0.020	6.45E-04	0.018	594.415	TRUE	2.57E-91
COPD in never smokers	AP3D1	rs12608455	C	T	-0.075	0.012	0.428	1.31E-10	-0.019	0.017	0.265	0.001	41.294	TRUE	1.42E-07
COPD in never smokers	AP3D1	rs12974547	A	G	0.081	0.009	0.428	1.97E-20	0.038	0.017	0.023	0.003	85.816	TRUE	3.09E-13
COPD in never smokers	AP3D1	rs150003099	A	G	-0.277	0.045	0.017	5.46E-10	-0.117	0.075	0.120	0.001	38.505	TRUE	1.11E-06
COPD in never smokers	AP3D1	rs6510652	T	G	0.093	0.016	0.092	5.18E-09	-0.051	0.030	0.084	0.001	34.117	TRUE	7.94E-06
COPD in never smokers	AP3D1	rs78463393	A	G	-0.108	0.019	0.067	5.10E-09	-0.023	0.034	0.506	0.001	34.148	TRUE	7.80E-07
COPD in never smokers	AP3D1	rs78523746	T	C	-0.203	0.028	0.035	5.75E-13	-0.051	0.043	0.231	0.002	51.926	TRUE	3.15E-09
COPD in never smokers	AP3D1	rs9967630	A	G	0.117	0.010	0.271	6.99E-29	-0.017	0.019	0.356	0.004	124.362	TRUE	1.00E-21
COPD in never smokers	ARF1	rs1188975	T	C	0.097	0.014	0.094	1.85E-12	0.017	0.030	0.576	0.002	49.632	TRUE	1.34E-09
COPD in never smokers	ARF1	rs964941	G	A	0.058	0.008	0.468	3.87E-13	0.049	0.016	0.003	0.002	52.704	TRUE	2.07E-07
COPD in never smokers	ATP13A2	rs11203397	G	A	0.126	0.011	0.170	1.16E-28	0.037	0.022	0.093	0.004	123.354	TRUE	3.56E-20
COPD in never smokers	ATP13A2	rs115307529	A	G	0.153	0.024	0.033	3.61E-10	0.090	0.039	0.019	0.001	39.311	TRUE	4.71E-06
COPD in never smokers	ATP13A2	rs115736587	T	C	-0.196	0.026	0.043	3.43E-14	-0.088	0.030	0.003	0.002	57.468	TRUE	4.49E-08
COPD in never smokers	ATP13A2	rs14126	A	G	-0.056	0.009	0.286	1.46E-10	0.026	0.018	0.165	0.001	41.080	TRUE	2.95E-07
COPD in never smokers	ATP13A2	rs150814450	G	A	-0.236	0.030	0.022	3.76E-15	-0.030	0.049	0.540	0.002	61.820	TRUE	1.27E-11
COPD in never smokers	ATP13A2	rs189266865	A	C	0.173	0.018	0.054	2.72E-21	0.104	0.047	0.028	0.003	89.729	TRUE	6.04E-14
COPD in never smokers	ATP13A2	rs2076615	C	A	-0.098	0.009	0.262	5.60E-27	-0.049	0.019	0.011	0.004	115.667	TRUE	1.95E-17
COPD in never smokers	ATP13A2	rs2761502	G	T	0.064	0.012	0.265	3.92E-08	0.020	0.023	0.373	0.001	30.184	TRUE	5.98E-06
COPD in never smokers	ATP13A2	rs4920605	G	A	-0.163	0.008	0.441	4.36E-93	-0.065	0.017	8.11E-05	0.013	418.816	TRUE	1.61E-61

COPD in never smokers	ATP6V0E2	rs10239759	T	C	0.128	0.012	0.160	9.52E-28	-0.003	0.022	0.890	0.004	119.182	TRUE	2.59E-22
COPD in never smokers	ATP6V0E2	rs10264260	C	T	0.105	0.013	0.164	2.36E-16	-0.011	0.022	0.598	0.002	67.275	TRUE	1.13E-12
COPD in never smokers	ATP6V0E2	rs10952230	A	G	0.128	0.013	0.133	2.09E-23	0.033	0.022	0.133	0.003	99.366	TRUE	1.44E-16
COPD in never smokers	ATP6V0E2	rs1101859	T	C	-0.049	0.008	0.328	9.42E-09	-0.019	0.018	0.282	0.001	32.955	TRUE	3.07E-06
COPD in never smokers	ATP6V0E2	rs111743964	G	T	0.319	0.047	0.015	1.63E-11	-0.088	0.074	0.235	0.001	45.371	TRUE	3.64E-08
COPD in never smokers	ATP6V0E2	rs111998170	T	G	0.209	0.038	0.016	3.72E-08	0.074	0.057	0.192	0.001	30.290	TRUE	1.34E-05
COPD in never smokers	ATP6V0E2	rs113463544	T	C	-0.282	0.039	0.017	3.09E-13	-0.001	0.081	0.986	0.002	53.147	TRUE	6.88E-11
COPD in never smokers	ATP6V0E2	rs113475801	A	G	0.280	0.034	0.022	1.53E-16	-0.088	0.052	0.091	0.002	68.128	TRUE	3.04E-11
COPD in never smokers	ATP6V0E2	rs113724256	T	C	0.148	0.011	0.267	6.69E-40	-0.001	0.020	0.967	0.005	174.768	TRUE	3.16E-32
COPD in never smokers	ATP6V0E2	rs116942933	G	T	0.247	0.037	0.021	3.08E-11	-0.026	0.062	0.674	0.001	44.124	TRUE	8.18E-09
COPD in never smokers	ATP6V0E2	rs117858466	T	G	-0.160	0.024	0.061	3.27E-11	-0.008	0.032	0.799	0.001	44.005	TRUE	5.53E-09
COPD in never smokers	ATP6V0E2	rs117930273	T	C	-0.360	0.022	0.041	2.21E-59	0.041	0.036	0.258	0.008	264.065	TRUE	8.97E-45
COPD in never smokers	ATP6V0E2	rs12673475	T	C	-0.136	0.010	0.175	1.07E-38	-0.039	0.022	0.074	0.005	169.264	TRUE	1.90E-27
COPD in never smokers	ATP6V0E2	rs12673849	T	C	1.015	0.021	0.036	0.00E+00	0.041	0.042	0.333	0.070	2389.533	TRUE	0.00E+00
COPD in never smokers	ATP6V0E2	rs13236202	G	T	0.074	0.008	0.389	2.11E-19	-0.005	0.017	0.757	0.003	81.132	TRUE	2.18E-15
COPD in never smokers	ATP6V0E2	rs140977594	T	C	0.247	0.034	0.026	5.46E-13	0.055	0.055	0.310	0.002	52.030	TRUE	1.83E-09
COPD in never smokers	ATP6V0E2	rs145566812	T	C	0.206	0.030	0.025	9.79E-12	-0.087	0.045	0.054	0.001	46.368	TRUE	1.57E-07
COPD in never smokers	ATP6V0E2	rs148665512	A	G	-0.176	0.027	0.032	6.38E-11	0.074	0.040	0.061	0.001	42.698	TRUE	5.11E-07
COPD in never smokers	ATP6V0E2	rs150081663	C	A	-0.221	0.037	0.019	2.28E-09	0.016	0.067	0.811	0.001	35.713	TRUE	1.54E-07
COPD in never smokers	ATP6V0E2	rs187267548	A	G	0.345	0.045	0.019	1.83E-14	-0.112	0.071	0.116	0.002	58.706	TRUE	7.00E-10
COPD in never smokers	ATP6V0E2	rs190485246	A	G	-0.349	0.038	0.021	2.43E-20	0.033	0.053	0.540	0.003	85.398	TRUE	1.19E-15
COPD in never smokers	ATP6V0E2	rs191917469	A	G	0.303	0.044	0.018	7.89E-12	-0.015	0.075	0.842	0.001	46.791	TRUE	1.55E-09
COPD in never smokers	ATP6V0E2	rs2449737	A	G	0.171	0.016	0.208	2.53E-25	-0.022	0.019	0.239	0.003	108.116	TRUE	1.50E-18
COPD in never smokers	ATP6V0E2	rs34694271	C	T	0.093	0.011	0.174	4.18E-17	0.024	0.022	0.277	0.002	70.683	TRUE	1.80E-12
COPD in never smokers	ATP6V0E2	rs35364356	A	G	-0.058	0.010	0.360	3.38E-09	-0.012	0.017	0.467	0.001	34.952	TRUE	6.57E-07
COPD in never smokers	ATP6V0E2	rs55976638	T	G	0.259	0.019	0.067	2.02E-42	-0.020	0.030	0.501	0.006	186.311	TRUE	9.19E-33
COPD in never smokers	ATP6V0E2	rs62490656	T	C	-0.080	0.012	0.222	2.78E-11	-0.021	0.020	0.296	0.001	44.323	TRUE	3.78E-08
COPD in never smokers	ATP6V0E2	rs62621237	A	G	-0.344	0.027	0.027	6.27E-38	0.093	0.042	0.028	0.005	165.740	TRUE	5.14E-26
COPD in never smokers	ATP6V0E2	rs709063	T	C	0.105	0.016	0.121	2.58E-11	0.040	0.023	0.091	0.001	44.472	TRUE	1.75E-07
COPD in never smokers	ATP6V0E2	rs71532800	C	T	-0.345	0.021	0.051	2.68E-63	-0.006	0.039	0.882	0.009	282.034	TRUE	1.32E-50
COPD in never smokers	ATP6V0E2	rs73168056	T	C	0.415	0.039	0.017	4.92E-26	0.038	0.062	0.536	0.004	111.358	TRUE	4.47E-20
COPD in never smokers	ATP6V0E2	rs76023942	A	G	-0.212	0.028	0.025	3.86E-14	-0.021	0.043	0.616	0.002	57.234	TRUE	5.56E-11
COPD in never smokers	ATP6V0E2	rs76243205	A	G	0.145	0.020	0.041	1.04E-12	0.041	0.041	0.316	0.002	50.768	TRUE	2.87E-09
COPD in never smokers	ATP6V0E2	rs78333081	C	T	0.179	0.026	0.044	5.84E-12	0.011	0.042	0.800	0.001	47.381	TRUE	1.41E-09
COPD in never smokers	ATP6V0E2	rs80198655	G	A	-0.208	0.014	0.133	2.58E-53	0.026	0.021	0.214	0.007	236.242	TRUE	8.28E-40
COPD in never smokers	ATP6V1C2	rs1734443	C	T	0.083	0.009	0.484	3.89E-21	-0.057	0.016	5.06E-04	0.003	89.025	TRUE	4.92E-12
COPD in never smokers	ATP6V1C2	rs4668695	C	T	-0.058	0.009	0.390	8.52E-11	0.054	0.017	0.002	0.001	42.133	TRUE	9.74E-06
COPD in never smokers	BECN1	rs1011157	T	C	0.461	0.012	0.115	5.73E-303	0.000	0.025	0.992	0.042	1393.298	TRUE	9.43E-242
COPD in never smokers	BECN1	rs10512488	A	G	-0.062	0.009	0.247	1.81E-11	0.045	0.019	0.020	0.001	45.161	TRUE	6.05E-07
COPD in never smokers	BECN1	rs11079033	G	A	0.071	0.011	0.175	2.49E-11	-0.006	0.022	0.786	0.001	44.537	TRUE	4.67E-09
COPD in never smokers	BECN1	rs112980913	C	T	0.231	0.021	0.039	8.92E-29	-0.055	0.044	0.208	0.004	123.878	TRUE	5.03E-21
COPD in never smokers	BECN1	rs140445501	A	G	0.125	0.016	0.071	1.04E-15	-0.016	0.029	0.571	0.002	64.358	TRUE	4.06E-12

COPD in never smokers	BECN1	rs145088470	T	G	0.381	0.048	0.014	3.62E-15	-0.016	0.086	0.850	0.002	61.892	TRUE	3.32E-12
COPD in never smokers	BECN1	rs182199966	C	T	0.097	0.016	0.073	3.91E-09	0.007	0.035	0.843	0.001	34.664	TRUE	2.13E-07
COPD in never smokers	BECN1	rs2667940	C	T	-0.100	0.011	0.177	1.63E-21	-0.032	0.022	0.133	0.003	90.750	TRUE	3.64E-15
COPD in never smokers	BECN1	rs28430796	A	C	0.132	0.022	0.035	1.73E-09	0.034	0.044	0.432	0.001	36.255	TRUE	4.52E-07
COPD in never smokers	BECN1	rs605059	G	A	-0.084	0.008	0.444	2.47E-25	0.010	0.017	0.563	0.003	108.157	TRUE	1.34E-19
COPD in never smokers	BECN1	rs72823056	G	T	0.123	0.011	0.151	3.21E-28	0.002	0.024	0.949	0.004	121.341	TRUE	7.86E-23
COPD in never smokers	BECN1	rs799913	C	T	0.185	0.031	0.022	3.71E-09	0.044	0.057	0.443	0.001	34.770	TRUE	7.70E-07
COPD in never smokers	BECN1	rs80279487	T	C	0.276	0.037	0.037	8.43E-14	-0.074	0.053	0.161	0.002	55.699	TRUE	1.33E-09
COPD in never smokers	BECN1	rs8067341	C	T	-0.090	0.008	0.468	7.18E-29	0.030	0.017	0.082	0.004	124.310	TRUE	3.18E-20
COPD in never smokers	BECN1	rs9895297	T	G	0.073	0.008	0.467	9.76E-20	-0.026	0.017	0.112	0.003	82.652	TRUE	1.02E-13
COPD in never smokers	BECN1	rs9905021	A	C	0.173	0.025	0.036	2.29E-12	0.034	0.044	0.433	0.002	49.213	TRUE	2.91E-09
COPD in never smokers	BLK	rs10108205	T	C	0.124	0.014	0.089	8.16E-19	-0.051	0.030	0.091	0.002	78.455	TRUE	6.72E-13
COPD in never smokers	BLK	rs10109101	C	T	0.107	0.011	0.163	2.16E-23	-0.067	0.023	0.003	0.003	99.307	TRUE	2.80E-14
COPD in never smokers	BLK	rs10503422	C	T	0.120	0.009	0.231	8.41E-37	-0.007	0.020	0.723	0.005	160.580	TRUE	4.64E-29
COPD in never smokers	BLK	rs10903341	A	G	-0.095	0.010	0.219	4.86E-23	0.031	0.022	0.156	0.003	97.699	TRUE	1.99E-16
COPD in never smokers	BLK	rs111329020	A	G	-0.178	0.029	0.024	1.33E-09	0.018	0.065	0.779	0.001	36.763	TRUE	1.11E-07
COPD in never smokers	BLK	rs111358481	T	C	0.134	0.016	0.069	2.13E-16	-0.010	0.032	0.755	0.002	67.475	TRUE	5.19E-13
COPD in never smokers	BLK	rs111707729	T	C	-0.359	0.031	0.023	3.71E-31	0.058	0.045	0.193	0.004	134.761	TRUE	9.43E-23
COPD in never smokers	BLK	rs11250187	A	G	0.098	0.014	0.092	9.48E-13	-0.012	0.028	0.678	0.002	50.945	TRUE	5.29E-10
COPD in never smokers	BLK	rs113072870	A	G	0.134	0.022	0.033	2.32E-09	0.052	0.041	0.204	0.001	35.687	TRUE	1.68E-06
COPD in never smokers	BLK	rs113225536	T	C	-0.156	0.024	0.031	5.93E-11	0.028	0.041	0.488	0.001	42.842	TRUE	2.76E-08
COPD in never smokers	BLK	rs113750791	T	C	-0.086	0.015	0.080	9.94E-09	0.037	0.031	0.235	0.001	32.852	TRUE	4.06E-06
COPD in never smokers	BLK	rs114004727	A	C	-0.155	0.021	0.045	2.84E-13	0.001	0.043	0.976	0.002	53.316	TRUE	6.66E-11
COPD in never smokers	BLK	rs116966174	T	C	-0.273	0.026	0.025	2.52E-25	0.020	0.047	0.675	0.003	108.124	TRUE	7.06E-20
COPD in never smokers	BLK	rs117049887	A	G	0.144	0.024	0.034	3.63E-09	0.033	0.041	0.432	0.001	34.810	TRUE	7.93E-07
COPD in never smokers	BLK	rs117096501	T	G	-0.336	0.039	0.018	5.76E-18	-0.048	0.057	0.403	0.002	74.596	TRUE	1.76E-13
COPD in never smokers	BLK	rs117348978	G	A	-0.278	0.032	0.022	2.93E-18	0.035	0.050	0.474	0.002	75.933	TRUE	7.01E-14
COPD in never smokers	BLK	rs117423839	T	C	0.115	0.018	0.055	3.14E-10	-0.067	0.036	0.062	0.001	39.582	TRUE	1.51E-06
COPD in never smokers	BLK	rs117523320	C	T	0.143	0.016	0.067	5.82E-19	-0.008	0.037	0.827	0.002	79.123	TRUE	3.53E-15
COPD in never smokers	BLK	rs117728931	C	T	-0.373	0.040	0.017	6.65E-21	-0.035	0.060	0.557	0.003	87.964	TRUE	3.96E-16
COPD in never smokers	BLK	rs11774454	T	C	0.133	0.021	0.042	3.30E-10	-0.025	0.040	0.529	0.001	39.486	TRUE	8.77E-08
COPD in never smokers	BLK	rs117746894	A	G	-0.239	0.021	0.038	7.36E-29	0.004	0.038	0.916	0.004	124.262	TRUE	2.91E-23
COPD in never smokers	BLK	rs117989794	T	C	-0.477	0.066	0.015	3.59E-13	-0.053	0.073	0.471	0.002	52.849	TRUE	5.90E-10
COPD in never smokers	BLK	rs118103120	G	A	-0.187	0.033	0.031	1.35E-08	0.016	0.042	0.710	0.001	32.258	TRUE	8.50E-07
COPD in never smokers	BLK	rs118158001	T	C	-0.182	0.029	0.023	6.14E-10	0.006	0.056	0.918	0.001	38.274	TRUE	3.86E-08
COPD in never smokers	BLK	rs11984506	T	C	-0.081	0.009	0.308	6.96E-21	0.003	0.018	0.861	0.003	87.874	TRUE	8.91E-17
COPD in never smokers	BLK	rs12544796	A	G	-0.153	0.009	0.274	5.88E-65	0.062	0.019	0.001	0.009	289.648	TRUE	3.39E-43
COPD in never smokers	BLK	rs12546950	T	C	-0.142	0.010	0.198	1.43E-45	0.036	0.020	0.077	0.006	200.737	TRUE	1.20E-32
COPD in never smokers	BLK	rs12676319	G	T	-0.113	0.014	0.094	1.53E-16	0.009	0.031	0.770	0.002	68.124	TRUE	3.76E-13
COPD in never smokers	BLK	rs12680137	A	G	-0.110	0.010	0.212	1.34E-29	0.000	0.021	0.996	0.004	127.637	TRUE	4.75E-24
COPD in never smokers	BLK	rs12680762	T	C	-0.346	0.009	0.284	0.00E+00	0.025	0.018	0.171	0.048	1600.601	TRUE	1.38E-267
COPD in never smokers	BLK	rs13252141	T	C	0.114	0.010	0.190	2.81E-29	-0.037	0.022	0.089	0.004	126.166	TRUE	1.36E-20

COPD in never smokers	BLK	rs13256420	T	C	-0.131	0.015	0.083	1.13E-17	0.028	0.026	0.288	0.002	73.263	TRUE	6.22E-13
COPD in never smokers	BLK	rs137933629	T	C	-0.241	0.043	0.014	1.90E-08	0.006	0.061	0.921	0.001	31.596	TRUE	5.96E-07
COPD in never smokers	BLK	rs139822711	C	T	-0.252	0.035	0.019	6.40E-13	0.047	0.075	0.532	0.002	51.716	TRUE	7.04E-10
COPD in never smokers	BLK	rs142820468	A	G	-0.325	0.039	0.033	6.76E-17	0.094	0.052	0.071	0.002	69.738	TRUE	2.42E-11
COPD in never smokers	BLK	rs143110403	A	G	-0.389	0.065	0.015	2.26E-09	0.074	0.078	0.344	0.001	35.729	TRUE	7.98E-07
COPD in never smokers	BLK	rs145332865	G	A	0.170	0.027	0.024	6.02E-10	0.007	0.053	0.900	0.001	38.314	TRUE	4.02E-08
COPD in never smokers	BLK	rs147685738	A	G	-0.151	0.025	0.032	1.87E-09	0.048	0.048	0.323	0.001	36.101	TRUE	7.61E-07
COPD in never smokers	BLK	rs149457873	T	C	0.224	0.019	0.048	1.04E-31	0.018	0.041	0.653	0.004	137.285	TRUE	7.63E-25
COPD in never smokers	BLK	rs150874981	A	G	-0.237	0.036	0.018	4.11E-11	-0.023	0.076	0.767	0.001	43.557	TRUE	7.42E-09
COPD in never smokers	BLK	rs1531577	C	T	0.191	0.008	0.327	2.35E-114	0.015	0.018	0.391	0.016	516.549	TRUE	2.18E-88
COPD in never smokers	BLK	rs1692821	T	C	0.141	0.009	0.274	2.44E-56	-0.022	0.018	0.229	0.008	250.105	TRUE	3.09E-42
COPD in never smokers	BLK	rs17153757	G	A	-0.102	0.012	0.132	4.93E-18	0.017	0.027	0.516	0.002	74.904	TRUE	8.39E-14
COPD in never smokers	BLK	rs17807523	A	G	0.142	0.014	0.087	9.18E-23	-0.029	0.029	0.328	0.003	96.438	TRUE	6.21E-17
COPD in never smokers	BLK	rs17808048	A	C	0.155	0.009	0.253	1.37E-63	-0.027	0.019	0.155	0.009	283.377	TRUE	3.27E-47
COPD in never smokers	BLK	rs2249963	G	A	0.096	0.009	0.387	1.79E-29	-0.031	0.017	0.059	0.004	127.064	TRUE	2.09E-20
COPD in never smokers	BLK	rs2251421	C	T	-0.133	0.016	0.083	3.47E-17	0.060	0.028	0.030	0.002	71.054	TRUE	4.44E-11
COPD in never smokers	BLK	rs2253061	C	T	-0.154	0.012	0.125	7.01E-38	-0.004	0.024	0.882	0.005	165.520	TRUE	2.27E-30
COPD in never smokers	BLK	rs2253946	G	A	0.117	0.013	0.122	6.16E-20	-0.005	0.025	0.826	0.003	83.560	TRUE	5.96E-16
COPD in never smokers	BLK	rs2255108	T	C	0.168	0.008	0.447	3.05E-99	-0.001	0.017	0.943	0.014	447.094	TRUE	1.94E-79
COPD in never smokers	BLK	rs2409692	G	T	0.149	0.009	0.291	9.02E-66	-0.013	0.018	0.461	0.009	293.385	TRUE	7.56E-51
COPD in never smokers	BLK	rs2618460	C	A	0.130	0.019	0.052	2.57E-11	-0.046	0.033	0.170	0.001	44.481	TRUE	8.05E-08
COPD in never smokers	BLK	rs2736321	A	G	0.134	0.022	0.034	1.36E-09	-0.025	0.042	0.555	0.001	36.726	TRUE	2.37E-07
COPD in never smokers	BLK	rs2740445	G	A	-0.067	0.008	0.402	1.11E-16	0.031	0.017	0.067	0.002	68.759	TRUE	3.71E-11
COPD in never smokers	BLK	rs28378644	T	C	-0.115	0.009	0.287	2.22E-38	0.025	0.019	0.174	0.005	167.800	TRUE	4.09E-28
COPD in never smokers	BLK	rs28668864	A	G	0.136	0.016	0.071	1.53E-18	-0.013	0.032	0.694	0.002	77.210	TRUE	1.40E-14
COPD in never smokers	BLK	rs2898280	A	G	0.149	0.008	0.497	1.90E-79	0.015	0.017	0.362	0.011	356.169	TRUE	5.48E-61
COPD in never smokers	BLK	rs33999521	C	T	0.125	0.011	0.163	3.89E-31	-0.024	0.022	0.276	0.004	134.668	TRUE	3.83E-23
COPD in never smokers	BLK	rs34682111	G	T	0.140	0.015	0.188	2.63E-20	-0.018	0.022	0.416	0.003	85.246	TRUE	2.60E-15
COPD in never smokers	BLK	rs35216390	C	T	0.122	0.014	0.136	8.83E-19	-0.040	0.022	0.063	0.002	78.301	TRUE	1.23E-12
COPD in never smokers	BLK	rs35681536	G	A	-0.178	0.015	0.080	3.77E-32	0.015	0.030	0.609	0.004	139.303	TRUE	4.55E-25
COPD in never smokers	BLK	rs35751835	A	G	0.141	0.009	0.315	6.74E-61	-0.042	0.017	0.015	0.008	271.019	TRUE	1.89E-42
COPD in never smokers	BLK	rs4240663	C	A	-0.122	0.014	0.088	3.97E-18	-0.010	0.028	0.737	0.002	75.330	TRUE	2.43E-14
COPD in never smokers	BLK	rs4307299	C	T	-0.094	0.008	0.435	1.20E-31	0.019	0.017	0.256	0.004	137.008	TRUE	1.91E-23
COPD in never smokers	BLK	rs4495391	G	A	-0.176	0.024	0.032	1.90E-13	0.096	0.051	0.061	0.002	54.108	TRUE	8.54E-09
COPD in never smokers	BLK	rs4840527	C	A	0.111	0.015	0.074	1.92E-13	-0.025	0.031	0.414	0.002	54.086	TRUE	4.78E-10
COPD in never smokers	BLK	rs4840590	T	C	0.117	0.021	0.050	1.08E-08	-0.076	0.037	0.041	0.001	32.691	TRUE	2.49E-05
COPD in never smokers	BLK	rs4841496	A	C	0.104	0.017	0.063	4.47E-10	-0.066	0.037	0.075	0.001	38.893	TRUE	1.61E-06
COPD in never smokers	BLK	rs4841571	G	A	0.184	0.023	0.055	1.33E-15	-0.008	0.034	0.821	0.002	63.862	TRUE	1.68E-12
COPD in never smokers	BLK	rs4841660	T	C	-0.141	0.010	0.186	4.65E-43	0.035	0.021	0.093	0.006	189.233	TRUE	5.93E-31
COPD in never smokers	BLK	rs55908105	T	C	-0.398	0.032	0.021	3.78E-36	0.023	0.060	0.704	0.005	157.593	TRUE	1.73E-28
COPD in never smokers	BLK	rs59446076	T	G	0.129	0.009	0.276	4.37E-48	-0.036	0.018	0.049	0.007	212.267	TRUE	4.53E-34
COPD in never smokers	BLK	rs59668455	T	C	-0.094	0.015	0.077	3.65E-10	-0.004	0.033	0.914	0.001	39.288	TRUE	2.58E-08

COPD in never smokers	BLK	rs62488580	T	G	-0.162	0.011	0.166	2.70E-45	0.032	0.019	0.097	0.006	199.474	TRUE	1.08E-32
COPD in never smokers	BLK	rs62488582	C	T	-0.205	0.026	0.034	1.11E-14	0.108	0.038	0.005	0.002	59.687	TRUE	1.45E-08
COPD in never smokers	BLK	rs62489089	A	C	-0.341	0.035	0.016	2.08E-22	0.025	0.048	0.606	0.003	94.815	TRUE	2.03E-17
COPD in never smokers	BLK	rs62492306	A	G	-0.179	0.020	0.053	6.26E-19	0.043	0.035	0.217	0.002	78.981	TRUE	1.23E-13
COPD in never smokers	BLK	rs62492342	T	C	-0.162	0.012	0.132	1.74E-39	0.034	0.023	0.137	0.005	172.865	TRUE	1.11E-28
COPD in never smokers	BLK	rs62495704	A	G	-0.156	0.022	0.042	1.22E-12	0.020	0.035	0.563	0.002	50.443	TRUE	1.02E-09
COPD in never smokers	BLK	rs6601515	C	T	0.122	0.011	0.156	6.59E-29	-0.016	0.022	0.465	0.004	124.481	TRUE	4.16E-22
COPD in never smokers	BLK	rs6988241	T	C	0.117	0.013	0.102	9.81E-19	-0.074	0.031	0.015	0.002	78.091	TRUE	8.24E-12
COPD in never smokers	BLK	rs7015813	A	G	0.111	0.011	0.173	5.44E-26	-0.014	0.022	0.516	0.003	111.160	TRUE	5.48E-20
COPD in never smokers	BLK	rs73196883	A	G	-0.212	0.018	0.061	2.86E-32	0.038	0.032	0.226	0.004	139.845	TRUE	9.06E-24
COPD in never smokers	BLK	rs73201151	A	G	-0.164	0.026	0.027	1.76E-10	0.057	0.049	0.252	0.001	40.709	TRUE	1.91E-07
COPD in never smokers	BLK	rs73201163	T	C	0.156	0.012	0.140	4.08E-37	-0.027	0.023	0.230	0.005	162.018	TRUE	1.72E-27
COPD in never smokers	BLK	rs73205341	A	G	0.149	0.009	0.243	4.74E-58	-0.036	0.019	0.062	0.008	257.958	TRUE	8.52E-42
COPD in never smokers	BLK	rs73209955	A	G	0.116	0.019	0.049	2.40E-09	0.049	0.038	0.193	0.001	35.617	TRUE	1.85E-06
COPD in never smokers	BLK	rs7386288	T	C	0.072	0.009	0.234	2.50E-14	-0.021	0.019	0.271	0.002	58.091	TRUE	2.30E-10
COPD in never smokers	BLK	rs75220994	T	C	-0.091	0.016	0.076	2.37E-08	0.043	0.038	0.264	0.001	31.161	TRUE	6.61E-06
COPD in never smokers	BLK	rs75364663	C	A	-0.160	0.017	0.059	3.77E-21	0.033	0.034	0.339	0.003	89.085	TRUE	9.80E-16
COPD in never smokers	BLK	rs75879591	T	C	0.108	0.019	0.046	2.31E-08	-0.058	0.040	0.139	0.001	31.215	TRUE	1.37E-05
COPD in never smokers	BLK	rs76464096	G	A	-0.198	0.021	0.038	2.03E-20	-0.004	0.040	0.926	0.003	85.753	TRUE	1.54E-16
COPD in never smokers	BLK	rs76865481	G	A	-0.164	0.029	0.021	8.92E-09	-0.001	0.057	0.982	0.001	33.061	TRUE	2.72E-07
COPD in never smokers	BLK	rs77411380	T	C	-0.212	0.033	0.017	1.82E-10	0.219	0.070	0.002	0.001	40.648	TRUE	1.61E-05
COPD in never smokers	BLK	rs77416525	C	T	-0.133	0.016	0.064	2.56E-16	0.035	0.040	0.379	0.002	67.108	TRUE	3.70E-12
COPD in never smokers	BLK	rs77443547	A	G	0.160	0.026	0.029	1.48E-09	-0.020	0.043	0.638	0.001	36.559	TRUE	1.91E-07
COPD in never smokers	BLK	rs77968590	T	C	0.144	0.025	0.028	1.50E-08	0.101	0.046	0.028	0.001	32.045	TRUE	4.19E-05
COPD in never smokers	BLK	rs78038368	G	A	0.134	0.014	0.091	6.60E-22	-0.062	0.031	0.045	0.003	92.534	TRUE	1.12E-14
COPD in never smokers	BLK	rs7817160	G	A	0.143	0.012	0.138	3.52E-35	-0.023	0.024	0.347	0.005	153.162	TRUE	1.51E-26
COPD in never smokers	BLK	rs7821898	G	A	0.109	0.012	0.133	1.16E-20	-0.025	0.023	0.291	0.003	86.869	TRUE	3.27E-15
COPD in never smokers	BLK	rs7828843	T	C	0.233	0.041	0.022	1.33E-08	-0.182	0.081	0.025	0.001	32.281	TRUE	4.27E-05
COPD in never smokers	BLK	rs7833185	T	C	-0.099	0.016	0.075	2.28E-10	0.024	0.031	0.442	0.001	40.208	TRUE	9.32E-08
COPD in never smokers	BLK	rs7838749	G	T	0.126	0.009	0.313	4.74E-49	0.007	0.017	0.690	0.007	216.688	TRUE	1.24E-38
COPD in never smokers	BLK	rs7844834	A	C	0.149	0.009	0.314	1.22E-68	-0.046	0.018	0.009	0.010	306.547	TRUE	1.09E-47
COPD in never smokers	BLK	rs79429485	C	T	-0.237	0.037	0.017	1.81E-10	0.093	0.052	0.072	0.001	40.664	TRUE	8.84E-07
COPD in never smokers	BLK	rs79433440	C	T	-0.220	0.038	0.023	6.91E-09	-0.006	0.047	0.900	0.001	33.557	TRUE	2.83E-07
COPD in never smokers	BLK	rs79552794	T	C	0.168	0.031	0.021	4.10E-08	-0.060	0.053	0.254	0.001	30.101	TRUE	1.04E-05
COPD in never smokers	BLK	rs79901344	T	G	0.103	0.011	0.241	9.24E-21	-0.022	0.024	0.355	0.003	87.313	TRUE	1.74E-15
COPD in never smokers	BLK	rs804261	G	A	-0.148	0.008	0.455	1.68E-77	0.051	0.017	0.002	0.011	347.234	TRUE	7.41E-53
COPD in never smokers	BLK	rs9329247	A	G	-0.140	0.011	0.169	5.14E-40	-0.004	0.022	0.874	0.006	175.292	TRUE	4.78E-32
COPD in never smokers	C11orf82	rs10431152	G	A	0.113	0.017	0.081	1.78E-11	-0.048	0.031	0.118	0.001	45.201	TRUE	9.86E-08
COPD in never smokers	C11orf82	rs11233361	T	C	-0.132	0.009	0.478	1.25E-52	0.041	0.016	0.013	0.007	233.104	TRUE	3.63E-36
COPD in never smokers	C11orf82	rs117944468	C	T	-0.231	0.026	0.035	5.41E-19	0.051	0.044	0.240	0.002	79.269	TRUE	9.08E-14
COPD in never smokers	C11orf82	rs144983069	A	G	-0.399	0.049	0.013	6.09E-16	0.086	0.077	0.260	0.002	65.405	TRUE	1.54E-11
COPD in never smokers	C11orf82	rs2298669	G	A	-0.126	0.021	0.044	2.98E-09	0.007	0.045	0.880	0.001	35.196	TRUE	1.53E-07

COPD in never smokers	C11orf82	rs2511866	T	G	-0.076	0.009	0.385	2.51E-17	0.020	0.017	0.240	0.002	71.696	TRUE	1.62E-12
COPD in never smokers	C11orf82	rs584337	A	G	0.114	0.020	0.065	1.27E-08	0.010	0.035	0.767	0.001	32.376	TRUE	6.82E-07
COPD in never smokers	C11orf82	rs7940878	T	C	0.100	0.013	0.120	4.71E-14	-0.068	0.026	0.010	0.002	56.845	TRUE	2.08E-08
COPD in never smokers	CD63	rs117539839	C	A	-0.181	0.033	0.020	2.86E-08	-0.047	0.062	0.440	0.001	30.801	TRUE	3.65E-06
COPD in never smokers	CD63	rs1316899	A	G	-0.066	0.011	0.155	1.91E-09	0.022	0.023	0.338	0.001	36.062	TRUE	7.23E-07
COPD in never smokers	CD63	rs140633285	G	A	-0.205	0.030	0.024	4.97E-12	0.011	0.060	0.856	0.002	47.695	TRUE	1.02E-09
COPD in never smokers	CD63	rs143714898	T	C	-0.139	0.022	0.039	1.46E-10	0.067	0.047	0.148	0.001	41.080	TRUE	3.39E-07
COPD in never smokers	CD63	rs1852334	G	A	-0.054	0.008	0.448	4.78E-11	0.005	0.017	0.779	0.001	43.262	TRUE	7.99E-09
COPD in never smokers	CD63	rs3138136	T	C	0.105	0.015	0.080	7.14E-13	0.014	0.026	0.598	0.002	51.503	TRUE	5.82E-10
COPD in never smokers	CD63	rs4759185	C	T	-0.067	0.010	0.243	1.38E-12	0.024	0.019	0.222	0.002	50.214	TRUE	6.37E-09
COPD in never smokers	CD63	rs55927117	A	G	-0.152	0.009	0.293	4.41E-66	-0.007	0.019	0.691	0.009	294.813	TRUE	4.36E-52
COPD in never smokers	CD63	rs60169753	T	G	0.141	0.019	0.049	3.05E-14	0.006	0.036	0.863	0.002	57.699	TRUE	1.72E-11
COPD in never smokers	CD63	rs772254	T	C	0.087	0.014	0.090	5.82E-10	-0.001	0.032	0.981	0.001	38.378	TRUE	3.03E-08
COPD in never smokers	CD68	rs11078698	T	C	-0.215	0.030	0.022	4.79E-13	-0.035	0.064	0.586	0.002	52.284	TRUE	4.48E-10
COPD in never smokers	CD68	rs12600850	A	G	0.089	0.008	0.457	1.71E-27	-0.040	0.017	0.020	0.004	118.015	TRUE	3.50E-18
COPD in never smokers	CD68	rs12942267	C	T	0.067	0.008	0.380	8.39E-16	0.034	0.017	0.047	0.002	64.773	TRUE	2.47E-10
COPD in never smokers	CD68	rs150836621	T	G	-0.080	0.012	0.138	1.47E-10	0.014	0.023	0.546	0.001	41.070	TRUE	4.41E-08
COPD in never smokers	CD68	rs2228133	C	T	0.122	0.015	0.073	1.98E-15	-0.056	0.035	0.109	0.002	63.078	TRUE	1.52E-10
COPD in never smokers	CD68	rs2241235	C	T	0.066	0.011	0.148	6.31E-09	0.011	0.024	0.638	0.001	33.736	TRUE	5.88E-07
COPD in never smokers	CD68	rs2543553	A	C	0.118	0.016	0.083	4.23E-14	-0.059	0.032	0.065	0.002	57.053	TRUE	2.73E-09
COPD in never smokers	CD68	rs34121192	A	G	0.223	0.015	0.083	1.78E-49	-0.027	0.032	0.396	0.007	218.643	TRUE	7.70E-38
COPD in never smokers	CD68	rs34399703	G	T	0.131	0.023	0.039	8.65E-09	-0.048	0.043	0.267	0.001	33.120	TRUE	3.11E-06
COPD in never smokers	CD68	rs35721044	T	C	-0.135	0.011	0.170	3.43E-33	0.061	0.021	0.003	0.005	144.059	TRUE	3.73E-21
COPD in never smokers	CD68	rs4578723	T	C	0.121	0.008	0.408	4.33E-48	-0.042	0.017	0.015	0.007	212.283	TRUE	5.37E-33
COPD in never smokers	CD68	rs4968214	A	G	-0.184	0.009	0.295	6.40E-100	0.046	0.018	0.010	0.014	450.209	TRUE	4.00E-71
COPD in never smokers	CD68	rs56319762	T	C	0.134	0.011	0.152	2.74E-33	-0.009	0.024	0.707	0.005	144.503	TRUE	3.07E-26
COPD in never smokers	CD68	rs77697176	A	G	-0.148	0.020	0.048	4.62E-14	0.026	0.037	0.478	0.002	56.881	TRUE	1.18E-10
COPD in never smokers	CD68	rs78496430	G	A	-0.136	0.020	0.048	1.48E-11	0.078	0.036	0.030	0.001	45.562	TRUE	3.74E-07
COPD in never smokers	CD70	rs17516272	T	G	-0.100	0.014	0.091	6.09E-13	-0.017	0.028	0.542	0.002	51.814	TRUE	6.48E-10
COPD in never smokers	CD70	rs2029745	C	T	-0.098	0.008	0.401	2.42E-33	0.051	0.017	0.002	0.005	144.750	TRUE	4.15E-21
COPD in never smokers	CD70	rs344607	T	C	0.126	0.011	0.146	4.35E-28	-0.042	0.024	0.081	0.004	120.737	TRUE	1.24E-19
COPD in never smokers	CD70	rs392972	T	C	0.071	0.008	0.500	9.85E-19	-0.035	0.017	0.033	0.002	78.084	TRUE	3.19E-12
COPD in never smokers	CD84	rs11265403	G	T	0.113	0.010	0.208	9.10E-31	0.018	0.020	0.375	0.004	132.979	TRUE	2.99E-23
COPD in never smokers	CD84	rs113598169	T	C	0.355	0.025	0.025	2.05E-44	0.060	0.049	0.220	0.006	195.439	TRUE	5.09E-33
COPD in never smokers	CD84	rs12033630	C	T	0.196	0.026	0.027	3.79E-14	0.018	0.056	0.752	0.002	57.271	TRUE	3.15E-11
COPD in never smokers	CD84	rs138483354	A	G	0.133	0.024	0.030	3.40E-08	0.102	0.051	0.047	0.001	30.464	TRUE	4.87E-05
COPD in never smokers	CD84	rs150093794	G	A	0.223	0.029	0.026	1.56E-14	0.014	0.066	0.838	0.002	59.021	TRUE	1.11E-11
COPD in never smokers	CD84	rs2369721	C	T	0.527	0.014	0.091	0.00E+00	0.063	0.032	0.047	0.046	1521.080	TRUE	2.30E-250
COPD in never smokers	CD84	rs349249	T	C	0.078	0.008	0.348	2.36E-20	0.036	0.017	0.037	0.003	85.457	TRUE	1.90E-13
COPD in never smokers	CD84	rs4656256	G	A	0.074	0.010	0.222	2.57E-14	0.025	0.020	0.223	0.002	58.036	TRUE	3.30E-10
COPD in never smokers	CD84	rs4656258	G	A	-0.067	0.009	0.259	1.86E-13	-0.006	0.019	0.748	0.002	54.140	TRUE	1.12E-10
COPD in never smokers	CD84	rs66847543	C	T	-0.182	0.012	0.141	9.19E-56	0.003	0.023	0.895	0.008	247.464	TRUE	1.18E-44

COPD in never smokers	CLEC16A	rs117076721	G	A	0.242	0.036	0.017	1.04E-11	-0.032	0.059	0.593	0.001	46.242	TRUE	4.77E-09
COPD in never smokers	CLEC16A	rs117106892	G	A	-0.295	0.048	0.013	6.65E-10	0.023	0.067	0.735	0.001	38.118	TRUE	7.39E-08
COPD in never smokers	CLEC16A	rs17604868	T	G	-0.067	0.009	0.310	1.34E-12	0.023	0.017	0.188	0.002	50.274	TRUE	8.02E-09
COPD in never smokers	CLEC16A	rs741177	T	C	0.184	0.013	0.132	1.35E-46	-0.009	0.025	0.714	0.006	205.437	TRUE	8.94E-37
COPD in never smokers	CTNS	rs116057105	C	T	0.146	0.022	0.038	2.20E-11	0.061	0.038	0.111	0.001	44.777	TRUE	1.23E-07
COPD in never smokers	CTNS	rs11656829	T	C	-0.363	0.011	0.195	3.17E-258	0.029	0.020	0.145	0.036	1178.234	TRUE	9.05E-197
COPD in never smokers	CTNS	rs12451830	C	T	0.063	0.009	0.482	2.25E-13	-0.010	0.016	0.545	0.002	53.772	TRUE	2.96E-10
COPD in never smokers	CTNS	rs12945799	A	C	-0.174	0.023	0.043	3.10E-14	0.043	0.031	0.165	0.002	57.668	TRUE	6.13E-10
COPD in never smokers	CTNS	rs140353756	A	G	0.235	0.033	0.021	1.05E-12	0.022	0.057	0.702	0.002	50.751	TRUE	5.22E-10
COPD in never smokers	CTNS	rs160588	A	G	0.135	0.020	0.056	8.22E-12	-0.017	0.034	0.603	0.001	46.709	TRUE	3.82E-09
COPD in never smokers	CTNS	rs222746	C	T	0.085	0.010	0.284	6.89E-19	-0.018	0.019	0.350	0.002	78.789	TRUE	4.85E-14
COPD in never smokers	CTNS	rs224514	A	G	-0.131	0.017	0.067	6.68E-15	0.056	0.034	0.099	0.002	60.687	TRUE	4.19E-10
COPD in never smokers	CTNS	rs2293880	T	C	0.095	0.010	0.321	1.38E-21	-0.003	0.018	0.874	0.003	91.071	TRUE	2.31E-17
COPD in never smokers	CTNS	rs2456854	G	T	-0.129	0.012	0.139	1.04E-25	0.006	0.024	0.790	0.003	109.880	TRUE	1.87E-20
COPD in never smokers	CTNS	rs2737145	T	C	0.177	0.009	0.277	6.58E-78	0.001	0.019	0.964	0.011	349.100	TRUE	1.48E-62
COPD in never smokers	CTNS	rs2976234	G	A	-0.073	0.009	0.332	9.31E-16	-0.005	0.018	0.765	0.002	64.567	TRUE	1.60E-12
COPD in never smokers	CTNS	rs35822717	T	C	-0.185	0.024	0.034	7.94E-15	0.041	0.052	0.425	0.002	60.348	TRUE	3.96E-11
COPD in never smokers	CTNS	rs57368250	A	C	0.082	0.009	0.372	1.76E-20	-0.010	0.017	0.548	0.003	86.035	TRUE	8.86E-16
COPD in never smokers	CTNS	rs71366572	T	C	-0.120	0.015	0.091	2.78E-16	-0.033	0.029	0.257	0.002	66.947	TRUE	8.73E-12
COPD in never smokers	CTNS	rs72834069	T	C	-0.214	0.023	0.044	7.50E-20	0.031	0.038	0.402	0.003	83.173	TRUE	6.34E-15
COPD in never smokers	CTNS	rs9900963	A	G	-0.261	0.031	0.022	2.71E-17	0.051	0.055	0.356	0.002	71.540	TRUE	7.68E-13
COPD in never smokers	DDX47	rs1010878	A	G	0.078	0.009	0.247	4.08E-17	-0.044	0.019	0.021	0.002	70.734	TRUE	7.70E-11
COPD in never smokers	DDX47	rs7956578	T	C	-0.046	0.008	0.446	1.37E-08	0.034	0.017	0.041	0.001	32.233	TRUE	2.94E-05
COPD in never smokers	DDX5	rs117024269	T	C	-0.356	0.046	0.029	1.81E-14	-0.124	0.047	0.008	0.002	58.724	TRUE	1.23E-08
COPD in never smokers	DDX5	rs117839365	T	C	0.190	0.021	0.086	4.06E-19	0.049	0.029	0.091	0.003	79.833	TRUE	4.07E-13
COPD in never smokers	DDX5	rs11870905	C	A	0.247	0.042	0.037	5.05E-09	-0.035	0.051	0.495	0.001	34.169	TRUE	8.03E-07
COPD in never smokers	DDX5	rs12945965	A	G	0.224	0.028	0.109	4.69E-16	0.042	0.023	0.069	0.002	65.917	TRUE	1.01E-10
COPD in never smokers	DDX5	rs147964477	A	G	-0.387	0.070	0.017	2.98E-08	-0.165	0.060	0.006	0.001	30.716	TRUE	1.74E-04
COPD in never smokers	DDX5	rs17650301	C	A	-0.561	0.012	0.304	0.00E+00	-0.039	0.018	0.031	0.063	2136.300	TRUE	0.00E+00
COPD in never smokers	DDX5	rs17651039	G	A	-0.443	0.055	0.014	5.68E-16	0.057	0.071	0.419	0.002	65.541	TRUE	5.45E-12
COPD in never smokers	DDX5	rs182984201	A	G	0.253	0.045	0.039	1.85E-08	-0.017	0.037	0.646	0.001	31.646	TRUE	1.32E-06
COPD in never smokers	DDX5	rs28658574	C	T	-0.082	0.014	0.221	9.54E-09	-0.001	0.020	0.969	0.001	32.932	TRUE	2.98E-07
COPD in never smokers	DDX5	rs41548920	G	A	-0.459	0.048	0.022	4.43E-22	-0.082	0.058	0.161	0.003	93.321	TRUE	9.68E-16
COPD in never smokers	DDX5	rs62071607	G	A	-0.183	0.026	0.054	2.45E-12	-0.042	0.035	0.227	0.002	49.086	TRUE	9.44E-09
COPD in never smokers	DDX5	rs72844239	C	A	0.211	0.033	0.068	2.26E-10	0.024	0.032	0.460	0.001	40.228	TRUE	8.56E-08
COPD in never smokers	DDX5	rs76237288	G	A	-0.414	0.034	0.044	6.60E-35	0.025	0.052	0.631	0.005	151.911	TRUE	2.67E-27
COPD in never smokers	DDX5	rs77672322	T	C	-0.498	0.059	0.018	4.15E-17	0.015	0.051	0.772	0.002	70.700	TRUE	1.33E-13
COPD in never smokers	DDX5	rs8073966	T	C	-0.405	0.026	0.053	1.34E-53	0.050	0.038	0.189	0.007	237.546	TRUE	7.52E-40
COPD in never smokers	DEPTOR	rs10283100	A	G	0.140	0.019	0.058	3.21E-13	0.018	0.036	0.610	0.002	53.073	TRUE	2.98E-10
COPD in never smokers	DEPTOR	rs117257206	A	G	-0.091	0.015	0.091	2.07E-09	0.041	0.031	0.176	0.001	35.904	TRUE	1.86E-06
COPD in never smokers	DEPTOR	rs1467044	G	A	-0.202	0.009	0.489	3.95E-122	0.051	0.016	0.002	0.017	552.283	TRUE	8.04E-86
COPD in never smokers	DEPTOR	rs147626496	A	G	0.236	0.040	0.020	3.31E-09	0.017	0.087	0.848	0.001	34.990	TRUE	1.84E-07

COPD in never smokers	DEPTOR	rs2063284	G	A	-0.136	0.010	0.232	3.10E-40	0.042	0.020	0.034	0.006	176.300	TRUE	7.03E-28
COPD in never smokers	DEPTOR	rs28570063	A	G	-0.146	0.025	0.032	5.93E-09	0.044	0.051	0.392	0.001	33.854	TRUE	1.34E-06
COPD in never smokers	DEPTOR	rs57411572	C	T	-0.141	0.016	0.078	2.87E-18	0.054	0.031	0.077	0.002	75.970	TRUE	2.16E-12
COPD in never smokers	DEPTOR	rs62526560	G	A	0.162	0.018	0.082	9.17E-20	-0.037	0.030	0.218	0.003	82.775	TRUE	2.91E-14
COPD in never smokers	DEPTOR	rs62528695	T	C	-0.218	0.033	0.019	5.25E-11	0.015	0.064	0.820	0.001	43.078	TRUE	7.51E-09
COPD in never smokers	DEPTOR	rs7017581	G	A	-0.068	0.009	0.488	4.82E-15	-0.009	0.017	0.569	0.002	61.327	TRUE	1.36E-11
COPD in never smokers	DEPTOR	rs74759746	A	G	0.105	0.019	0.065	4.99E-08	0.013	0.031	0.680	0.001	29.718	TRUE	2.58E-06
COPD in never smokers	DEPTOR	rs78898975	C	T	-0.233	0.040	0.015	4.72E-09	-0.016	0.063	0.794	0.001	34.298	TRUE	2.88E-07
COPD in never smokers	DRAM2	rs10857866	A	G	-0.138	0.013	0.134	5.50E-27	0.001	0.024	0.963	0.004	115.700	TRUE	7.07E-22
COPD in never smokers	DRAM2	rs11102187	C	T	-0.078	0.010	0.418	1.93E-15	-0.022	0.017	0.195	0.002	63.128	TRUE	6.03E-11
COPD in never smokers	DRAM2	rs111577187	T	C	0.371	0.063	0.014	4.51E-09	0.009	0.070	0.898	0.001	34.387	TRUE	2.02E-07
COPD in never smokers	DRAM2	rs114128625	A	G	0.413	0.019	0.058	1.25E-105	-0.033	0.036	0.361	0.015	476.448	TRUE	2.24E-81
COPD in never smokers	DRAM2	rs114820958	T	C	0.311	0.037	0.019	7.70E-17	0.061	0.060	0.310	0.002	69.481	TRUE	2.28E-12
COPD in never smokers	DRAM2	rs115818171	C	A	-0.156	0.018	0.070	2.05E-18	-0.034	0.043	0.427	0.002	76.635	TRUE	6.94E-14
COPD in never smokers	DRAM2	rs12038954	C	A	0.392	0.010	0.243	0.00E+00	-0.019	0.019	0.330	0.047	1551.727	TRUE	4.21E-262
COPD in never smokers	DRAM2	rs12047887	A	G	-0.062	0.010	0.260	3.84E-10	0.036	0.019	0.059	0.001	39.193	TRUE	1.84E-06
COPD in never smokers	DRAM2	rs12126260	T	C	-0.144	0.010	0.247	1.89E-46	0.014	0.019	0.470	0.006	204.768	TRUE	8.63E-36
COPD in never smokers	DRAM2	rs12132712	A	G	0.485	0.029	0.029	9.38E-64	0.031	0.049	0.523	0.009	284.126	TRUE	1.49E-49
COPD in never smokers	DRAM2	rs12756391	G	A	0.102	0.012	0.151	6.75E-17	-0.032	0.024	0.180	0.002	69.742	TRUE	5.72E-12
COPD in never smokers	DRAM2	rs138343322	G	A	0.155	0.026	0.031	3.10E-09	0.010	0.043	0.809	0.001	35.118	TRUE	1.97E-07
COPD in never smokers	DRAM2	rs141632906	G	A	0.370	0.022	0.043	4.09E-64	-0.049	0.042	0.242	0.009	285.780	TRUE	2.54E-48
COPD in never smokers	DRAM2	rs145803491	C	A	0.266	0.037	0.017	7.15E-13	0.001	0.056	0.987	0.002	51.500	TRUE	1.35E-10
COPD in never smokers	DRAM2	rs146651270	A	G	-0.442	0.040	0.015	1.50E-28	-0.153	0.071	0.031	0.004	122.852	TRUE	3.04E-19
COPD in never smokers	DRAM2	rs147647026	T	G	-0.470	0.026	0.037	2.78E-72	-0.023	0.047	0.620	0.010	323.269	TRUE	1.12E-56
COPD in never smokers	DRAM2	rs1493381	G	A	0.061	0.009	0.328	3.21E-11	-0.020	0.018	0.268	0.001	44.039	TRUE	4.92E-08
COPD in never smokers	DRAM2	rs1552890	A	G	0.111	0.012	0.156	1.53E-20	-0.047	0.023	0.043	0.003	86.321	TRUE	1.12E-13
COPD in never smokers	DRAM2	rs17026570	G	A	-0.167	0.022	0.041	3.10E-14	-0.018	0.041	0.670	0.002	57.668	TRUE	3.74E-11
COPD in never smokers	DRAM2	rs17687296	A	G	-0.176	0.018	0.064	5.73E-23	-0.045	0.031	0.141	0.003	97.371	TRUE	2.72E-16
COPD in never smokers	DRAM2	rs17719593	G	A	-0.086	0.013	0.118	2.05E-10	-0.002	0.024	0.927	0.001	40.417	TRUE	1.56E-08
COPD in never smokers	DRAM2	rs192792696	T	C	0.563	0.040	0.019	3.69E-44	0.001	0.081	0.988	0.006	194.272	TRUE	1.08E-35
COPD in never smokers	DRAM2	rs2275254	T	C	0.058	0.009	0.431	5.42E-11	-0.001	0.017	0.936	0.001	43.018	TRUE	5.21E-09
COPD in never smokers	DRAM2	rs2783440	G	A	-0.105	0.009	0.317	2.13E-29	-0.011	0.018	0.533	0.004	126.718	TRUE	1.08E-22
COPD in never smokers	DRAM2	rs2800888	A	G	0.085	0.012	0.210	1.90E-13	-0.025	0.022	0.250	0.002	54.104	TRUE	1.21E-09
COPD in never smokers	DRAM2	rs325935	G	A	-0.400	0.022	0.048	7.69E-73	0.041	0.045	0.358	0.010	325.834	TRUE	8.05E-56
COPD in never smokers	DRAM2	rs343593	T	C	0.069	0.009	0.395	1.56E-14	0.009	0.017	0.606	0.002	59.022	TRUE	2.86E-11
COPD in never smokers	DRAM2	rs492353	C	T	0.157	0.009	0.406	1.66E-71	-0.005	0.017	0.752	0.010	319.712	TRUE	1.27E-56
COPD in never smokers	DRAM2	rs56256555	T	C	-0.213	0.026	0.030	1.46E-16	-0.035	0.044	0.428	0.002	68.213	TRUE	1.83E-12
COPD in never smokers	DRAM2	rs610261	A	G	0.141	0.013	0.127	1.31E-26	0.033	0.023	0.138	0.004	113.978	TRUE	5.46E-19
COPD in never smokers	DRAM2	rs657801	C	T	-0.465	0.009	0.317	0.00E+00	-0.003	0.018	0.866	0.080	2753.562	TRUE	0.00E+00
COPD in never smokers	DRAM2	rs6700898	C	T	-0.457	0.024	0.037	4.13E-83	-0.094	0.043	0.027	0.012	372.991	TRUE	1.15E-59
COPD in never smokers	DRAM2	rs684287	T	C	-0.317	0.016	0.084	1.20E-82	0.049	0.028	0.088	0.012	370.869	TRUE	6.42E-61
COPD in never smokers	DRAM2	rs72691283	C	T	-0.507	0.025	0.035	6.33E-90	0.031	0.047	0.513	0.013	404.290	TRUE	5.05E-70

COPD in never smokers	DRAM2	rs72693239	T	C	0.097	0.016	0.084	2.18E-09	-0.030	0.033	0.376	0.001	35.804	TRUE	6.75E-07
COPD in never smokers	DRAM2	rs72978923	G	A	0.146	0.015	0.099	4.45E-23	-0.027	0.031	0.392	0.003	97.873	TRUE	2.24E-17
COPD in never smokers	DRAM2	rs74608578	A	G	0.211	0.034	0.019	8.60E-10	0.009	0.057	0.876	0.001	37.616	TRUE	5.77E-08
COPD in never smokers	DRAM2	rs7521727	A	G	-0.281	0.032	0.022	3.03E-18	0.006	0.046	0.902	0.002	75.866	TRUE	9.37E-15
COPD in never smokers	DRAM2	rs75882913	A	C	-0.320	0.046	0.015	2.73E-12	-0.009	0.073	0.900	0.002	48.871	TRUE	5.41E-10
COPD in never smokers	DRAM2	rs75972139	A	G	-0.332	0.035	0.017	7.77E-21	-0.001	0.070	0.992	0.003	87.656	TRUE	5.22E-17
COPD in never smokers	DRAM2	rs76347092	A	G	0.327	0.035	0.019	3.43E-21	-0.003	0.055	0.954	0.003	89.274	TRUE	3.24E-17
COPD in never smokers	DRAM2	rs76680432	T	C	0.179	0.019	0.068	3.55E-20	-0.057	0.031	0.072	0.003	84.653	TRUE	9.92E-14
COPD in never smokers	DRAM2	rs76904225	C	A	-0.270	0.036	0.022	3.02E-14	0.074	0.049	0.126	0.002	57.720	TRUE	8.97E-10
COPD in never smokers	DRAM2	rs79497980	C	A	-0.150	0.022	0.042	1.21E-11	-0.060	0.040	0.130	0.001	45.952	TRUE	6.59E-08
COPD in never smokers	EIF2AK4	rs10518679	C	T	-0.093	0.012	0.124	2.25E-14	-0.040	0.023	0.084	0.002	58.299	TRUE	1.26E-09
COPD in never smokers	EIF2AK4	rs11070245	G	T	-0.201	0.008	0.512	1.86E-144	-0.039	0.016	0.017	0.020	654.919	TRUE	2.66E-105
COPD in never smokers	EIF2AK4	rs113751932	G	A	0.213	0.031	0.019	6.22E-12	0.075	0.064	0.236	0.001	47.257	TRUE	1.77E-08
COPD in never smokers	EIF2AK4	rs116847130	A	G	0.235	0.032	0.021	1.43E-13	0.004	0.060	0.949	0.002	54.662	TRUE	4.25E-11
COPD in never smokers	EIF2AK4	rs117210124	A	G	0.130	0.019	0.052	8.42E-12	0.014	0.036	0.695	0.001	46.662	TRUE	2.75E-09
COPD in never smokers	EIF2AK4	rs140275393	C	T	0.125	0.020	0.043	6.62E-10	-0.008	0.040	0.843	0.001	38.128	TRUE	5.20E-08
COPD in never smokers	EIF2AK4	rs143034895	T	C	-0.222	0.033	0.019	1.75E-11	0.017	0.066	0.790	0.001	45.228	TRUE	3.49E-09
COPD in never smokers	EIF2AK4	rs1906164	C	T	-0.049	0.008	0.509	7.17E-10	-0.016	0.017	0.346	0.001	37.970	TRUE	3.35E-07
COPD in never smokers	EIF2AK4	rs2412453	T	G	-0.087	0.008	0.345	3.42E-25	-0.004	0.018	0.803	0.003	107.518	TRUE	4.47E-20
COPD in never smokers	EIF2AK4	rs3743129	C	A	-0.046	0.008	0.447	1.28E-08	0.034	0.017	0.040	0.001	32.358	TRUE	2.83E-05
COPD in never smokers	EIF2AK4	rs508281	G	A	0.152	0.009	0.288	1.05E-67	0.028	0.019	0.139	0.009	302.253	TRUE	3.41E-50
COPD in never smokers	EIF2AK4	rs566792	T	C	-0.088	0.012	0.129	6.52E-13	-0.042	0.024	0.078	0.002	51.681	TRUE	1.53E-08
COPD in never smokers	EIF2AK4	rs75931581	C	T	0.217	0.021	0.039	7.26E-26	0.177	0.044	5.79E-05	0.003	110.588	TRUE	2.28E-14
COPD in never smokers	EIF2AK4	rs76182620	C	T	-0.110	0.018	0.057	5.07E-10	0.012	0.037	0.741	0.001	38.646	TRUE	5.87E-08
COPD in never smokers	EIF2AK4	rs78572955	A	G	0.145	0.023	0.032	6.01E-10	-0.069	0.079	0.384	0.001	38.316	TRUE	2.47E-07
COPD in never smokers	EIF2AK4	rs8027339	C	A	0.077	0.010	0.197	1.36E-14	0.002	0.020	0.903	0.002	59.292	TRUE	7.70E-12
COPD in never smokers	EIF2AK4	rs812197	T	C	0.082	0.008	0.489	6.35E-25	0.002	0.017	0.908	0.003	106.289	TRUE	4.22E-20
COPD in never smokers	EIF2AK4	rs937215	C	T	-0.083	0.015	0.081	1.51E-08	0.011	0.029	0.711	0.001	32.040	TRUE	9.25E-07
COPD in never smokers	EMC2	rs3019381	G	A	-0.076	0.011	0.195	3.43E-11	-0.028	0.020	0.164	0.001	43.914	TRUE	1.04E-07
COPD in never smokers	EMC2	rs71524796	T	C	-0.212	0.028	0.027	3.03E-14	-0.018	0.047	0.701	0.002	57.711	TRUE	3.24E-11
COPD in never smokers	ERBB3	rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	0.071	0.017	1.59E-05	0.013	424.916	TRUE	2.82E-61
COPD in never smokers	ERBB3	rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	0.058	0.034	0.082	0.002	50.140	TRUE	2.54E-08
COPD in never smokers	ERBB3	rs150823486	A	G	0.124	0.022	0.045	9.57E-09	-0.075	0.036	0.036	0.001	32.925	TRUE	2.54E-05
COPD in never smokers	ERBB3	rs773662	C	T	-0.091	0.015	0.075	2.12E-09	-0.025	0.029	0.402	0.001	35.856	TRUE	5.95E-07
COPD in never smokers	EYA2	rs1572053	A	G	0.052	0.008	0.378	3.46E-10	0.035	0.017	0.037	0.001	39.396	TRUE	2.63E-06
COPD in never smokers	GLB1	rs11717007	C	A	0.200	0.009	0.230	9.39E-100	-0.038	0.020	0.054	0.014	449.447	TRUE	3.41E-73
COPD in never smokers	GLB1	rs12186107	T	C	0.104	0.011	0.148	1.63E-19	-0.011	0.022	0.617	0.003	81.633	TRUE	3.52E-15
COPD in never smokers	GLB1	rs148730537	T	C	0.214	0.027	0.027	5.34E-15	0.054	0.048	0.264	0.002	61.127	TRUE	7.59E-11
COPD in never smokers	GLB1	rs35289681	A	G	-0.251	0.036	0.016	3.17E-12	-0.020	0.060	0.743	0.002	48.578	TRUE	1.07E-09
COPD in never smokers	GLB1	rs35480293	A	C	-0.178	0.011	0.171	5.68E-64	-0.034	0.023	0.140	0.009	285.126	TRUE	2.35E-47
COPD in never smokers	GLB1	rs35548241	G	A	-0.130	0.009	0.254	3.10E-46	0.007	0.019	0.730	0.006	203.787	TRUE	1.53E-36
COPD in never smokers	GLB1	rs60761526	G	A	-0.083	0.009	0.286	6.85E-21	0.008	0.018	0.666	0.003	87.904	TRUE	2.28E-16

COPD in never smokers	GLB1	rs62250478	T	C	0.088	0.008	0.393	6.26E-27	-0.007	0.017	0.676	0.004	115.448	TRUE	3.83E-21
COPD in never smokers	GLB1	rs6773595	T	C	0.146	0.011	0.175	1.13E-43	-0.016	0.021	0.462	0.006	192.043	TRUE	1.35E-33
COPD in never smokers	GLB1	rs7628519	T	G	0.052	0.009	0.257	1.41E-08	-0.008	0.018	0.660	0.001	32.165	TRUE	1.03E-06
COPD in never smokers	GLB1	rs9810955	A	G	-0.228	0.029	0.020	8.83E-15	0.017	0.055	0.758	0.002	60.136	TRUE	9.76E-12
COPD in never smokers	GLB1	rs9827453	T	C	0.224	0.025	0.026	9.94E-19	-0.092	0.062	0.137	0.002	78.067	TRUE	4.05E-13
COPD in never smokers	GM2A	rs10045859	T	C	-0.056	0.009	0.352	8.56E-10	0.013	0.017	0.442	0.001	37.626	TRUE	2.54E-07
COPD in never smokers	GM2A	rs10060349	C	T	0.784	0.018	0.061	0.00E+00	0.103	0.034	0.003	0.059	1974.649	TRUE	0.00E+00
COPD in never smokers	GM2A	rs10070213	T	C	-0.151	0.020	0.048	1.50E-13	0.028	0.039	0.478	0.002	54.564	TRUE	2.93E-10
COPD in never smokers	GM2A	rs10440734	G	T	-0.085	0.009	0.426	2.94E-22	0.002	0.017	0.901	0.003	94.131	TRUE	5.89E-18
COPD in never smokers	GM2A	rs10515640	T	C	-0.050	0.009	0.383	2.46E-08	-0.010	0.017	0.552	0.001	31.088	TRUE	2.23E-06
COPD in never smokers	GM2A	rs1061837	A	G	0.220	0.009	0.475	8.68E-138	0.068	0.016	3.90E-05	0.019	624.261	TRUE	2.57E-93
COPD in never smokers	GM2A	rs10875565	A	G	-0.085	0.009	0.434	1.54E-19	-0.026	0.017	0.113	0.003	81.756	TRUE	1.40E-13
COPD in never smokers	GM2A	rs113923178	T	C	-0.240	0.021	0.050	1.59E-31	0.070	0.036	0.049	0.004	136.441	TRUE	9.27E-22
COPD in never smokers	GM2A	rs114820526	T	C	-0.285	0.044	0.014	1.13E-10	-0.076	0.084	0.366	0.001	41.584	TRUE	7.62E-08
COPD in never smokers	GM2A	rs115928949	G	A	-0.148	0.016	0.086	2.95E-20	-0.047	0.032	0.144	0.003	85.013	TRUE	2.73E-14
COPD in never smokers	GM2A	rs115971012	C	T	0.145	0.026	0.035	3.70E-08	0.052	0.054	0.334	0.001	30.301	TRUE	6.70E-06
COPD in never smokers	GM2A	rs116376669	A	C	0.365	0.034	0.019	1.23E-26	0.029	0.056	0.607	0.004	114.115	TRUE	9.74E-21
COPD in never smokers	GM2A	rs11743219	A	G	0.481	0.012	0.135	0.00E+00	0.036	0.023	0.114	0.045	1486.599	TRUE	2.81E-247
COPD in never smokers	GM2A	rs11948623	G	A	-0.218	0.010	0.279	2.38E-113	-0.008	0.018	0.666	0.016	511.921	TRUE	3.04E-89
COPD in never smokers	GM2A	rs13180182	T	C	0.206	0.013	0.128	6.63E-57	0.038	0.024	0.115	0.008	252.704	TRUE	1.09E-41
COPD in never smokers	GM2A	rs13181806	A	G	-0.159	0.019	0.059	1.18E-17	0.025	0.035	0.485	0.002	73.180	TRUE	1.93E-13
COPD in never smokers	GM2A	rs137896815	T	C	-0.290	0.022	0.040	1.16E-38	0.034	0.041	0.414	0.005	169.094	TRUE	1.66E-29
COPD in never smokers	GM2A	rs137921084	G	A	1.144	0.030	0.025	0.00E+00	0.076	0.052	0.142	0.044	1471.452	TRUE	1.67E-245
COPD in never smokers	GM2A	rs141907998	T	C	0.509	0.029	0.026	9.78E-67	-0.050	0.062	0.420	0.009	297.813	TRUE	2.10E-51
COPD in never smokers	GM2A	rs149799009	A	C	0.092	0.016	0.078	2.00E-08	0.052	0.029	0.073	0.001	31.488	TRUE	2.33E-05
COPD in never smokers	GM2A	rs153450	A	G	0.386	0.010	0.216	2.56E-297	0.000	0.020	1.000	0.041	1358.115	TRUE	7.56E-236
COPD in never smokers	GM2A	rs153472	C	T	-0.338	0.008	0.453	0.00E+00	-0.027	0.017	0.103	0.048	1587.577	TRUE	1.08E-263
COPD in never smokers	GM2A	rs2112635	C	T	0.064	0.009	0.333	4.14E-12	-0.042	0.018	0.017	0.002	48.055	TRUE	2.59E-07
COPD in never smokers	GM2A	rs2346027	C	T	0.109	0.009	0.422	5.84E-35	0.026	0.017	0.114	0.005	152.153	TRUE	4.52E-25
COPD in never smokers	GM2A	rs248455	T	C	-0.183	0.015	0.100	1.65E-32	-0.022	0.030	0.466	0.004	140.935	TRUE	6.57E-25
COPD in never smokers	GM2A	rs248457	T	G	0.152	0.010	0.353	5.17E-57	0.004	0.017	0.835	0.008	253.200	TRUE	1.92E-45
COPD in never smokers	GM2A	rs248458	A	G	0.287	0.010	0.313	1.01E-188	0.036	0.018	0.042	0.026	858.481	TRUE	1.65E-140
COPD in never smokers	GM2A	rs3097795	G	A	-0.274	0.009	0.357	7.33E-205	0.008	0.017	0.648	0.029	932.725	TRUE	6.08E-161
COPD in never smokers	GM2A	rs34594711	T	C	-0.203	0.018	0.075	6.69E-31	-0.069	0.032	0.033	0.004	133.588	TRUE	5.29E-21
COPD in never smokers	GM2A	rs35108910	C	A	0.226	0.022	0.040	8.15E-24	0.109	0.038	0.004	0.003	101.233	TRUE	9.38E-15
COPD in never smokers	GM2A	rs35120264	T	C	0.312	0.026	0.031	4.37E-34	0.119	0.044	0.006	0.005	148.154	TRUE	3.36E-22
COPD in never smokers	GM2A	rs352702	T	C	-0.205	0.018	0.086	3.05E-31	-0.022	0.028	0.417	0.004	135.147	TRUE	9.21E-24
COPD in never smokers	GM2A	rs365113	G	A	-0.087	0.012	0.172	5.81E-14	-0.013	0.022	0.561	0.002	56.432	TRUE	9.68E-11
COPD in never smokers	GM2A	rs3797875	A	G	-0.068	0.011	0.190	1.09E-09	0.009	0.022	0.683	0.001	37.162	TRUE	1.29E-07
COPD in never smokers	GM2A	rs4484410	A	G	-0.247	0.021	0.048	5.70E-33	0.024	0.041	0.567	0.004	143.051	TRUE	1.38E-25
COPD in never smokers	GM2A	rs55823924	G	A	0.665	0.033	0.020	6.78E-88	0.027	0.050	0.588	0.012	394.966	TRUE	8.19E-69
COPD in never smokers	GM2A	rs61191955	A	C	-0.077	0.011	0.259	1.27E-11	-0.016	0.026	0.536	0.001	45.857	TRUE	6.94E-09

COPD in never smokers	GM2A	rs66495175	A	C	0.089	0.015	0.096	7.51E-09	0.024	0.028	0.399	0.001	33.397	TRUE	1.56E-06
COPD in never smokers	GM2A	rs66693652	A	G	0.105	0.014	0.208	8.32E-15	-0.004	0.022	0.862	0.002	60.254	TRUE	6.13E-12
COPD in never smokers	GM2A	rs6891880	G	A	0.050	0.009	0.433	1.57E-08	0.004	0.017	0.825	0.001	31.968	TRUE	6.78E-07
COPD in never smokers	GM2A	rs6897702	A	C	-0.204	0.012	0.170	2.09E-68	0.021	0.022	0.333	0.010	305.475	TRUE	3.17E-52
COPD in never smokers	GM2A	rs72790122	A	G	0.171	0.021	0.053	3.91E-16	-0.048	0.037	0.197	0.002	66.278	TRUE	1.81E-11
COPD in never smokers	GM2A	rs72790168	T	C	0.493	0.017	0.070	1.66E-188	-0.001	0.034	0.980	0.026	857.503	TRUE	2.60E-150
COPD in never smokers	GM2A	rs72798369	T	C	0.313	0.031	0.026	2.42E-23	0.039	0.048	0.422	0.003	99.080	TRUE	1.14E-17
COPD in never smokers	GM2A	rs74415159	A	G	-0.162	0.025	0.042	7.31E-11	-0.081	0.039	0.038	0.001	42.432	TRUE	8.82E-07
COPD in never smokers	GM2A	rs74823953	T	C	-0.327	0.050	0.015	5.09E-11	-0.038	0.076	0.614	0.001	43.139	TRUE	1.51E-08
COPD in never smokers	GM2A	rs74925736	G	A	0.740	0.037	0.020	2.51E-90	0.082	0.049	0.093	0.013	406.135	TRUE	7.32E-67
COPD in never smokers	GM2A	rs75146152	T	C	0.150	0.026	0.037	1.03E-08	-0.064	0.043	0.136	0.001	32.790	TRUE	7.88E-06
COPD in never smokers	GM2A	rs75252609	T	C	-0.152	0.028	0.029	3.50E-08	-0.015	0.044	0.740	0.001	30.405	TRUE	1.64E-06
COPD in never smokers	GM2A	rs7718108	A	G	-0.119	0.016	0.080	1.01E-13	-0.002	0.031	0.939	0.002	55.345	TRUE	3.35E-11
COPD in never smokers	GM2A	rs7724949	A	G	-0.083	0.013	0.121	5.01E-10	0.000	0.026	0.992	0.001	38.671	TRUE	2.59E-08
COPD in never smokers	GM2A	rs77399794	T	C	-0.132	0.014	0.107	7.25E-21	-0.059	0.029	0.040	0.003	87.792	TRUE	7.32E-14
COPD in never smokers	GM2A	rs77899761	C	T	-0.100	0.010	0.227	5.30E-22	-0.038	0.020	0.058	0.003	92.967	TRUE	6.45E-15
COPD in never smokers	GM2A	rs79604591	C	A	-0.186	0.023	0.048	1.17E-15	0.004	0.035	0.915	0.002	64.124	TRUE	1.03E-12
COPD in never smokers	GM2A	rs80027325	C	T	0.999	0.023	0.040	0.00E+00	0.070	0.044	0.111	0.058	1956.206	TRUE	0.00E+00
COPD in never smokers	GM2A	rs9324675	T	C	0.170	0.013	0.133	1.88E-40	0.038	0.025	0.126	0.006	177.289	TRUE	2.53E-29
COPD in never smokers	GSDMA	rs10852939	T	C	-0.071	0.011	0.223	1.38E-10	-0.027	0.019	0.168	0.001	41.193	TRUE	2.78E-07
COPD in never smokers	GSDMA	rs115334808	T	C	0.604	0.028	0.029	1.70E-105	0.057	0.070	0.416	0.015	475.829	TRUE	1.22E-81
COPD in never smokers	GSDMA	rs12450388	C	T	-0.109	0.010	0.426	2.69E-30	-0.040	0.017	0.016	0.004	130.829	TRUE	4.62E-20
COPD in never smokers	GSDMA	rs12943633	T	C	0.239	0.015	0.090	1.08E-55	-0.002	0.031	0.938	0.008	247.146	TRUE	9.54E-45
COPD in never smokers	GSDMA	rs12948025	A	G	0.344	0.035	0.021	1.82E-23	0.010	0.058	0.869	0.003	99.646	TRUE	7.49E-19
COPD in never smokers	GSDMA	rs138641382	A	G	0.439	0.034	0.022	6.46E-39	-0.136	0.069	0.049	0.005	170.260	TRUE	3.09E-27
COPD in never smokers	GSDMA	rs146007532	A	G	0.532	0.051	0.019	2.48E-25	-0.065	0.072	0.370	0.003	108.153	TRUE	4.84E-19
COPD in never smokers	GSDMA	rs146183840	C	T	0.665	0.049	0.013	1.66E-41	-0.039	0.080	0.623	0.006	182.114	TRUE	1.83E-32
COPD in never smokers	GSDMA	rs146767035	A	G	-0.223	0.031	0.028	7.93E-13	-0.041	0.050	0.415	0.002	51.296	TRUE	1.41E-09
COPD in never smokers	GSDMA	rs147180766	A	C	0.374	0.043	0.018	1.93E-18	0.021	0.062	0.736	0.002	76.754	TRUE	1.38E-14
COPD in never smokers	GSDMA	rs150597587	C	T	-0.198	0.023	0.049	4.35E-18	-0.019	0.035	0.588	0.002	75.151	TRUE	5.27E-14
COPD in never smokers	GSDMA	rs151114485	A	G	0.398	0.032	0.025	8.05E-36	0.020	0.054	0.711	0.005	156.091	TRUE	2.99E-28
COPD in never smokers	GSDMA	rs28431963	C	T	0.137	0.016	0.098	8.74E-18	0.001	0.028	0.965	0.002	73.774	TRUE	1.66E-14
COPD in never smokers	GSDMA	rs55875103	T	C	0.129	0.013	0.132	1.76E-23	0.015	0.023	0.507	0.003	99.709	TRUE	5.19E-18
COPD in never smokers	GSDMA	rs62066594	A	G	0.060	0.010	0.254	2.82E-09	-0.002	0.020	0.912	0.001	35.301	TRUE	1.33E-07
COPD in never smokers	GSDMA	rs62066986	T	C	-0.134	0.021	0.049	1.25E-10	-0.094	0.034	0.006	0.001	41.376	TRUE	5.81E-06
COPD in never smokers	GSDMA	rs62068170	G	A	-0.242	0.009	0.432	2.20E-173	-0.040	0.017	0.015	0.024	787.940	TRUE	5.13E-127
COPD in never smokers	GSDMA	rs6503743	A	G	0.061	0.010	0.280	2.57E-10	-0.015	0.019	0.444	0.001	39.973	TRUE	1.01E-07
COPD in never smokers	GSDMA	rs7212868	C	A	0.083	0.010	0.275	3.96E-17	0.009	0.018	0.642	0.002	70.791	TRUE	2.29E-13
COPD in never smokers	GSDMA	rs72825107	G	A	0.497	0.042	0.018	1.10E-32	-0.069	0.063	0.278	0.004	141.753	TRUE	2.44E-24
COPD in never smokers	GSDMA	rs72834789	C	T	0.200	0.013	0.129	2.64E-54	-0.027	0.024	0.266	0.008	240.782	TRUE	6.54E-41
COPD in never smokers	GSDMA	rs74964489	G	T	-0.151	0.026	0.046	5.73E-09	0.014	0.037	0.713	0.001	33.921	TRUE	4.31E-07
COPD in never smokers	GSDMA	rs75248071	A	C	0.153	0.016	0.092	1.46E-20	-0.038	0.027	0.167	0.003	86.406	TRUE	1.23E-14

COPD in never smokers	GSDMA	rs78043676	C	A	0.217	0.031	0.024	1.53E-12	-0.026	0.053	0.626	0.002	50.004	TRUE	9.43E-10
COPD in never smokers	GSDMA	rs78279284	A	G	0.204	0.028	0.030	5.79E-13	-0.001	0.049	0.982	0.002	51.914	TRUE	1.16E-10
COPD in never smokers	GSDMA	rs79375929	A	C	0.383	0.032	0.025	4.24E-32	-0.007	0.060	0.901	0.004	139.066	TRUE	8.23E-26
COPD in never smokers	GSDMA	rs9905305	A	G	0.331	0.011	0.167	1.72E-182	-0.038	0.023	0.097	0.026	829.825	TRUE	1.40E-137
COPD in never smokers	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	-0.004	0.041	0.926	0.003	100.450	TRUE	4.06E-19
COPD in never smokers	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	-0.063	0.042	0.133	0.002	59.231	TRUE	4.73E-10
COPD in never smokers	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	-0.001	0.024	0.977	0.003	80.015	TRUE	1.25E-15
COPD in never smokers	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	0.018	0.041	0.664	0.004	136.489	TRUE	9.75E-25
COPD in never smokers	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	0.002	0.039	0.967	0.009	296.275	TRUE	2.15E-53
COPD in never smokers	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	0.048	0.052	0.352	0.013	406.342	TRUE	1.98E-69
COPD in never smokers	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	0.038	0.050	0.448	0.015	467.091	TRUE	2.35E-80
COPD in never smokers	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	-0.017	0.032	0.599	0.023	740.366	TRUE	7.28E-128
COPD in never smokers	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	0.082	0.060	0.171	0.003	99.048	TRUE	9.90E-17
COPD in never smokers	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	0.102	0.056	0.068	0.001	34.973	TRUE	7.16E-06
COPD in never smokers	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	-0.081	0.048	0.087	0.016	507.390	TRUE	1.31E-83
COPD in never smokers	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	-0.032	0.058	0.581	0.005	156.475	TRUE	6.25E-28
COPD in never smokers	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	-0.050	0.041	0.230	0.009	283.165	TRUE	8.53E-48
COPD in never smokers	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	0.075	0.021	2.68E-04	0.092	3205.686	TRUE	0.00E+00
COPD in never smokers	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	-0.040	0.017	0.016	0.005	167.364	TRUE	7.57E-26
COPD in never smokers	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	-0.028	0.017	0.101	0.031	1019.370	TRUE	2.83E-169
COPD in never smokers	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	0.042	0.024	0.080	0.003	87.204	TRUE	3.29E-14
COPD in never smokers	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	-0.014	0.060	0.812	0.016	503.835	TRUE	1.34E-88
COPD in never smokers	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	0.107	0.045	0.018	0.007	222.293	TRUE	9.69E-35
COPD in never smokers	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	0.132	0.059	0.026	0.001	33.205	TRUE	3.01E-05
COPD in never smokers	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	0.096	0.078	0.219	0.001	33.754	TRUE	3.17E-06
COPD in never smokers	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	0.042	0.038	0.275	0.011	352.288	TRUE	9.20E-60
COPD in never smokers	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	0.089	0.067	0.189	0.002	47.640	TRUE	2.14E-08
COPD in never smokers	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	-0.112	0.073	0.124	0.002	59.413	TRUE	4.89E-10
COPD in never smokers	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	-0.060	0.062	0.330	0.007	214.750	TRUE	7.17E-37
COPD in never smokers	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	0.048	0.056	0.395	0.001	37.506	TRUE	3.23E-07
COPD in never smokers	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	0.005	0.061	0.940	0.002	55.410	TRUE	3.24E-11
COPD in never smokers	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	-0.039	0.023	0.095	0.005	145.706	TRUE	7.66E-24
COPD in never smokers	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	-0.041	0.050	0.415	0.011	352.652	TRUE	1.07E-60
COPD in never smokers	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	-0.066	0.061	0.283	0.002	76.968	TRUE	1.56E-13
COPD in never smokers	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	0.129	0.067	0.053	0.003	95.228	TRUE	3.21E-15
COPD in never smokers	GSDMB	rs150260796	G	A	0.337	0.023	0.039	1.07E-47	0.166	0.060	0.006	0.007	210.474	TRUE	5.58E-32
COPD in never smokers	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	0.024	0.075	0.746	0.001	45.430	TRUE	3.75E-09
COPD in never smokers	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	0.019	0.030	0.528	0.001	35.981	TRUE	3.50E-07
COPD in never smokers	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	-0.013	0.073	0.863	0.001	36.499	TRUE	9.50E-08
COPD in never smokers	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	-0.009	0.023	0.677	0.003	106.322	TRUE	1.43E-19
COPD in never smokers	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	0.016	0.017	0.330	0.004	130.155	TRUE	1.32E-22
COPD in never smokers	GSDMB	rs1733805	G	T	-0.084	0.012	0.119	5.13E-12	-0.029	0.024	0.233	0.002	47.634	TRUE	1.57E-08

COPD in never smokers	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	0.117	0.064	0.068	0.001	42.138	TRUE	5.54E-07
COPD in never smokers	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	-0.020	0.066	0.765	0.002	67.752	TRUE	4.47E-13
COPD in never smokers	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	0.011	0.033	0.735	0.003	98.282	TRUE	2.57E-18
COPD in never smokers	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	0.023	0.018	0.210	0.003	105.802	TRUE	4.86E-18
COPD in never smokers	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	0.020	0.025	0.423	0.007	222.121	TRUE	1.51E-38
COPD in never smokers	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	-0.004	0.042	0.929	0.006	179.383	TRUE	6.39E-33
COPD in never smokers	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	0.017	0.019	0.360	0.048	1598.167	TRUE	2.95E-270
COPD in never smokers	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	0.002	0.025	0.937	0.002	50.240	TRUE	2.70E-10
COPD in never smokers	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	0.016	0.041	0.702	0.019	624.369	TRUE	1.07E-108
COPD in never smokers	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	-0.037	0.020	0.068	0.168	6416.153	TRUE	0.00E+00
COPD in never smokers	GSDMB	rs4420582	A	C	-0.195	0.026	0.029	3.46E-14	0.081	0.048	0.090	0.002	57.449	TRUE	1.56E-09
COPD in never smokers	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	0.035	0.035	0.317	0.004	121.191	TRUE	4.74E-21
COPD in never smokers	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	0.008	0.018	0.654	0.005	165.347	TRUE	1.12E-29
COPD in never smokers	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	-0.085	0.075	0.255	0.002	52.472	TRUE	2.18E-09
COPD in never smokers	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	-0.008	0.023	0.731	0.005	167.025	TRUE	3.38E-30
COPD in never smokers	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	-0.028	0.042	0.501	0.003	91.090	TRUE	1.58E-16
COPD in never smokers	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	-0.001	0.072	0.990	0.002	72.620	TRUE	2.38E-14
COPD in never smokers	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	-0.035	0.052	0.502	0.002	51.211	TRUE	9.77E-10
COPD in never smokers	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	0.008	0.040	0.840	0.003	107.555	TRUE	3.63E-20
COPD in never smokers	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	-0.006	0.025	0.827	0.002	59.440	TRUE	9.78E-12
COPD in never smokers	GSDMB	rs7214466	C	T	0.144	0.010	0.279	3.90E-49	0.038	0.018	0.037	0.007	217.078	TRUE	1.41E-34
COPD in never smokers	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	0.047	0.051	0.356	0.002	67.584	TRUE	3.54E-12
COPD in never smokers	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	0.069	0.036	0.054	0.006	190.987	TRUE	1.10E-30
COPD in never smokers	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	-0.054	0.035	0.122	0.001	34.801	TRUE	4.24E-06
COPD in never smokers	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	-0.054	0.052	0.300	0.006	185.558	TRUE	8.44E-32
COPD in never smokers	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	-0.196	0.086	0.022	0.002	71.753	TRUE	4.92E-11
COPD in never smokers	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	-0.008	0.018	0.671	0.060	2016.058	TRUE	0.00E+00
COPD in never smokers	GSDMB	rs72832924	T	C	0.451	0.010	0.170	0.00E+00	0.008	0.021	0.712	0.056	1893.225	TRUE	0.00E+00
COPD in never smokers	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	0.137	0.046	0.003	0.003	90.712	TRUE	6.40E-13
COPD in never smokers	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	-0.049	0.030	0.105	0.026	839.055	TRUE	2.69E-139
COPD in never smokers	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	-0.103	0.054	0.056	0.003	97.751	TRUE	1.17E-15
COPD in never smokers	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	-0.014	0.039	0.725	0.010	324.865	TRUE	2.13E-57
COPD in never smokers	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	0.020	0.059	0.738	0.001	37.320	TRUE	1.01E-07
COPD in never smokers	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	-0.024	0.072	0.733	0.003	98.761	TRUE	2.14E-18
COPD in never smokers	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	-0.003	0.032	0.937	0.001	33.061	TRUE	3.11E-07
COPD in never smokers	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	-0.038	0.027	0.167	0.002	53.670	TRUE	2.69E-09
COPD in never smokers	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	-0.081	0.074	0.274	0.001	34.662	TRUE	1.67E-06
COPD in never smokers	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	-0.104	0.062	0.091	0.004	129.419	TRUE	3.85E-21
COPD in never smokers	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	-0.061	0.059	0.297	0.007	215.754	TRUE	7.14E-37
COPD in never smokers	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	-0.055	0.079	0.482	0.001	37.710	TRUE	2.10E-07
COPD in never smokers	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	-0.039	0.058	0.499	0.017	536.325	TRUE	1.88E-92
COPD in never smokers	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	-0.033	0.023	0.156	0.002	65.062	TRUE	4.24E-11

COPD in never smokers	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	0.015	0.027	0.576	0.002	72.603	TRUE	1.53E-13
COPD in never smokers	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	0.025	0.057	0.660	0.001	30.652	TRUE	1.89E-06
COPD in never smokers	GSDMB	rs79062097	T	C	-0.438	0.026	0.030	9.43E-63	-0.080	0.049	0.097	0.009	279.528	TRUE	6.43E-46
COPD in never smokers	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	-0.020	0.035	0.565	0.013	411.836	TRUE	1.39E-71
COPD in never smokers	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	0.012	0.049	0.811	0.003	81.876	TRUE	1.25E-15
COPD in never smokers	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	0.048	0.040	0.229	0.019	624.240	TRUE	3.42E-105
COPD in never smokers	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	0.005	0.017	0.774	0.005	154.490	TRUE	3.74E-28
COPD in never smokers	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	-0.034	0.017	0.041	0.003	81.045	TRUE	8.27E-13
COPD in never smokers	GSDMB	rs8071312	A	G	-0.170	0.025	0.031	6.03E-12	-0.018	0.040	0.659	0.001	47.318	TRUE	2.42E-09
COPD in never smokers	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	0.005	0.016	0.748	0.001	31.239	TRUE	1.14E-06
COPD in never smokers	HIP1R	rs11060180	G	A	-0.070	0.008	0.429	3.48E-18	0.047	0.017	0.005	0.002	75.591	TRUE	6.55E-11
COPD in never smokers	HIP1R	rs4426165	T	C	0.159	0.014	0.093	5.24E-31	-0.042	0.033	0.206	0.004	134.073	TRUE	1.04E-22
COPD in never smokers	HSPA1B	rs114419903	C	T	0.294	0.037	0.028	1.08E-15	-0.038	0.064	0.548	0.002	64.271	TRUE	4.68E-12
COPD in never smokers	HSPA1B	rs1144708	T	C	-0.216	0.012	0.375	3.58E-68	0.062	0.017	2.51E-04	0.010	304.406	TRUE	1.93E-44
COPD in never smokers	HSPA1B	rs115128935	C	T	-0.450	0.072	0.018	3.33E-10	-0.264	0.069	1.42E-04	0.001	39.469	TRUE	8.16E-05
COPD in never smokers	HSPA1B	rs115379475	A	G	0.362	0.043	0.023	5.82E-17	0.154	0.079	0.050	0.002	70.032	TRUE	3.45E-11
COPD in never smokers	HSPA1B	rs115461385	T	C	0.195	0.030	0.057	1.46E-10	0.002	0.038	0.967	0.001	41.078	TRUE	1.04E-08
COPD in never smokers	HSPA1B	rs115892464	T	C	-0.230	0.031	0.042	2.08E-13	-0.117	0.044	0.008	0.002	53.928	TRUE	6.81E-08
COPD in never smokers	HSPA1B	rs116508221	T	C	-0.192	0.028	0.051	2.70E-12	-0.033	0.040	0.399	0.002	48.891	TRUE	3.86E-09
COPD in never smokers	HSPA1B	rs1265099	G	A	-0.079	0.012	0.420	1.42E-10	0.044	0.017	0.009	0.001	41.129	TRUE	4.67E-06
COPD in never smokers	HSPA1B	rs150984561	A	G	0.125	0.021	0.092	2.86E-09	-0.006	0.036	0.865	0.001	35.272	TRUE	1.56E-07
COPD in never smokers	HSPA1B	rs191306205	T	C	-0.185	0.031	0.039	3.70E-09	0.002	0.052	0.968	0.001	34.773	TRUE	1.40E-07
COPD in never smokers	HSPA1B	rs2075798	A	C	-0.155	0.023	0.077	9.84E-12	-0.089	0.034	0.009	0.001	46.357	TRUE	7.68E-07
COPD in never smokers	HSPA1B	rs2252937	C	T	-0.134	0.017	0.161	3.22E-15	-0.014	0.022	0.545	0.002	62.123	TRUE	1.11E-11
COPD in never smokers	HSPA1B	rs2256974	A	C	-0.135	0.016	0.163	1.81E-16	-0.076	0.022	6.15E-04	0.002	67.795	TRUE	4.75E-09
COPD in never smokers	HSPA1B	rs2394987	A	C	-0.124	0.018	0.127	2.10E-11	-0.004	0.026	0.880	0.001	44.868	TRUE	2.96E-09
COPD in never smokers	HSPA1B	rs2523572	C	T	0.069	0.012	0.399	3.16E-08	-0.079	0.017	5.24E-06	0.001	30.605	TRUE	0.003
COPD in never smokers	HSPA1B	rs2857605	C	T	0.197	0.015	0.210	2.76E-40	-0.013	0.020	0.529	0.006	176.527	TRUE	3.44E-31
COPD in never smokers	HSPA1B	rs4713555	T	G	-0.078	0.013	0.265	4.78E-09	-0.078	0.019	3.49E-05	0.001	34.277	TRUE	6.53E-04
COPD in never smokers	HSPA1B	rs481825	A	C	-0.413	0.027	0.051	5.04E-51	0.034	0.043	0.428	0.007	225.736	TRUE	3.47E-39
COPD in never smokers	HSPA1B	rs6922431	C	T	-0.159	0.022	0.081	8.01E-13	-0.078	0.040	0.050	0.002	51.276	TRUE	2.96E-08
COPD in never smokers	HSPA1B	rs74434374	A	C	-0.401	0.030	0.043	3.70E-41	-0.074	0.041	0.069	0.006	180.526	TRUE	3.21E-29
COPD in never smokers	HSPA1B	rs9266075	T	G	-0.129	0.013	0.360	3.75E-24	-0.065	0.017	1.27E-04	0.003	102.772	TRUE	1.59E-13
COPD in never smokers	HSPA1B	rs9271731	A	G	0.143	0.017	0.224	1.22E-16	-0.084	0.021	9.11E-05	0.002	68.574	TRUE	1.34E-08
COPD in never smokers	IDUA	rs112453299	G	A	0.211	0.034	0.043	5.82E-10	0.027	0.035	0.447	0.001	38.378	TRUE	1.86E-07
COPD in never smokers	IDUA	rs11724804	A	G	0.289	0.012	0.423	2.05E-130	0.039	0.016	0.018	0.018	590.361	TRUE	7.93E-95
COPD in never smokers	IDUA	rs140633095	A	G	-0.172	0.028	0.064	1.20E-09	-0.072	0.034	0.036	0.001	36.959	TRUE	6.29E-06
COPD in never smokers	IDUA	rs151010222	T	C	0.287	0.051	0.016	1.37E-08	-0.039	0.068	0.565	0.001	32.233	TRUE	1.36E-06
COPD in never smokers	IDUA	rs17165046	T	C	0.160	0.024	0.067	1.38E-11	0.027	0.033	0.403	0.001	45.695	TRUE	1.31E-08
COPD in never smokers	IDUA	rs35670600	T	C	0.308	0.033	0.033	1.69E-20	0.025	0.041	0.536	0.003	86.113	TRUE	9.21E-16
COPD in never smokers	IDUA	rs3806759	A	G	0.221	0.026	0.077	1.53E-17	-0.018	0.028	0.512	0.002	72.674	TRUE	2.05E-13
COPD in never smokers	IDUA	rs4690336	T	C	-0.254	0.016	0.166	3.51E-58	0.008	0.023	0.721	0.008	258.556	TRUE	5.87E-46

COPD in never smokers	IDUA	rs62294519	C	T	-0.182	0.019	0.142	1.67E-21	-0.025	0.027	0.347	0.003	90.694	TRUE	4.96E-16
COPD in never smokers	IDUA	rs6837180	A	G	0.079	0.013	0.433	3.80E-09	0.013	0.017	0.444	0.001	34.723	TRUE	7.82E-07
COPD in never smokers	IDUA	rs73221138	T	C	-0.253	0.030	0.058	1.63E-17	0.004	0.030	0.886	0.002	72.545	TRUE	3.86E-14
COPD in never smokers	IDUA	rs76638961	C	A	0.383	0.026	0.053	1.62E-48	0.012	0.036	0.749	0.007	214.245	TRUE	2.06E-38
COPD in never smokers	IDUA	rs79565855	A	G	0.127	0.021	0.086	1.49E-09	-0.047	0.030	0.113	0.001	36.540	TRUE	2.45E-06
COPD in never smokers	IDUA	rs899387	T	C	-0.094	0.013	0.351	2.88E-13	0.014	0.018	0.456	0.002	53.284	TRUE	5.36E-10
COPD in never smokers	IFNAR1	rs115329960	A	C	0.317	0.040	0.014	2.49E-15	0.057	0.066	0.386	0.002	62.627	TRUE	2.02E-11
COPD in never smokers	IFNAR1	rs11700514	T	C	-0.199	0.009	0.258	2.09E-107	-0.002	0.019	0.921	0.015	484.612	TRUE	8.08E-86
COPD in never smokers	IFNAR1	rs117580859	G	A	0.245	0.041	0.015	1.88E-09	0.040	0.060	0.503	0.001	36.089	TRUE	3.67E-07
COPD in never smokers	IFNAR1	rs117641308	G	T	0.243	0.043	0.015	1.57E-08	-0.038	0.069	0.584	0.001	31.968	TRUE	1.42E-06
COPD in never smokers	IFNAR1	rs117698347	G	A	-0.199	0.024	0.036	1.96E-16	-0.002	0.057	0.970	0.002	67.640	TRUE	1.97E-13
COPD in never smokers	IFNAR1	rs118108352	C	A	-0.167	0.029	0.020	1.38E-08	0.010	0.059	0.864	0.001	32.219	TRUE	5.45E-07
COPD in never smokers	IFNAR1	rs13049558	T	C	-0.135	0.024	0.035	3.09E-08	-0.030	0.058	0.602	0.001	30.645	TRUE	2.26E-06
COPD in never smokers	IFNAR1	rs140082816	C	T	0.134	0.022	0.037	1.17E-09	0.031	0.046	0.504	0.001	37.020	TRUE	2.54E-07
COPD in never smokers	IFNAR1	rs143562043	T	C	0.246	0.029	0.023	1.18E-17	0.027	0.045	0.547	0.002	73.173	TRUE	1.41E-13
COPD in never smokers	IFNAR1	rs1537098	A	G	-0.069	0.010	0.376	1.42E-12	0.024	0.018	0.168	0.002	50.149	TRUE	9.92E-09
COPD in never smokers	IFNAR1	rs17875878	G	A	0.322	0.033	0.019	1.43E-22	0.069	0.054	0.204	0.003	95.564	TRUE	2.57E-16
COPD in never smokers	IFNAR1	rs191348317	C	T	0.526	0.058	0.018	2.27E-19	0.061	0.063	0.335	0.003	80.981	TRUE	2.30E-14
COPD in never smokers	IFNAR1	rs2284552	T	G	0.111	0.010	0.205	8.49E-30	-0.023	0.020	0.270	0.004	128.547	TRUE	4.29E-22
COPD in never smokers	IFNAR1	rs2834209	A	C	0.140	0.008	0.319	4.19E-61	0.029	0.017	0.096	0.009	271.969	TRUE	1.21E-44
COPD in never smokers	IFNAR1	rs28385662	A	G	-0.187	0.025	0.030	2.43E-14	0.032	0.047	0.500	0.002	58.149	TRUE	6.50E-11
COPD in never smokers	IFNAR1	rs2843719	C	T	-0.113	0.010	0.223	2.66E-32	0.003	0.020	0.873	0.004	139.991	TRUE	6.68E-26
COPD in never smokers	IFNAR1	rs34640959	A	G	-0.149	0.023	0.033	2.52E-10	0.031	0.053	0.550	0.001	40.011	TRUE	6.61E-08
COPD in never smokers	IFNAR1	rs73199879	C	A	0.085	0.010	0.204	5.61E-18	0.023	0.020	0.263	0.002	74.648	TRUE	4.40E-13
COPD in never smokers	IFNAR1	rs74877410	A	G	0.193	0.034	0.018	1.74E-08	0.033	0.054	0.544	0.001	31.767	TRUE	1.75E-06
COPD in never smokers	IFNAR1	rs74935361	A	G	-0.244	0.029	0.022	1.98E-17	-0.001	0.052	0.991	0.002	72.157	TRUE	2.86E-14
COPD in never smokers	IFNAR1	rs76264332	A	G	-0.152	0.025	0.029	8.31E-10	-0.083	0.051	0.105	0.001	37.682	TRUE	1.74E-06
COPD in never smokers	IFNAR1	rs76387608	A	G	0.296	0.042	0.015	1.34E-12	0.072	0.057	0.200	0.002	50.262	TRUE	7.33E-09
COPD in never smokers	IFNAR1	rs77355211	C	T	0.128	0.022	0.036	8.59E-09	0.009	0.036	0.803	0.001	33.134	TRUE	4.49E-07
COPD in never smokers	IFNAR1	rs79090352	T	G	0.314	0.055	0.015	1.08E-08	0.013	0.060	0.826	0.001	32.693	TRUE	5.03E-07
COPD in never smokers	IFNAR1	rs79347769	A	C	0.370	0.037	0.017	8.61E-24	0.005	0.047	0.917	0.003	101.125	TRUE	3.24E-19
COPD in never smokers	IFNAR1	rs8128483	C	T	0.163	0.009	0.223	9.24E-66	0.029	0.020	0.163	0.009	293.338	TRUE	5.99E-49
COPD in never smokers	IFNAR1	rs8178521	T	C	-0.138	0.009	0.264	4.25E-52	-0.020	0.019	0.283	0.007	230.662	TRUE	2.64E-39
COPD in never smokers	IFNAR1	rs8178561	A	G	-0.231	0.019	0.050	1.26E-35	-0.084	0.036	0.021	0.005	155.202	TRUE	4.01E-24
COPD in never smokers	IFNAR1	rs915536	A	G	-0.097	0.010	0.191	6.26E-22	-0.050	0.021	0.017	0.003	92.639	TRUE	4.01E-14
COPD in never smokers	IFNAR1	rs9980745	T	C	0.072	0.008	0.433	3.54E-19	0.046	0.017	0.005	0.003	80.108	TRUE	1.17E-11
COPD in never smokers	IL10	rs1518111	T	C	-0.199	0.009	0.228	4.60E-98	0.054	0.020	0.008	0.014	441.680	TRUE	1.94E-69
COPD in never smokers	IL10	rs17016480	A	C	-0.082	0.014	0.095	1.86E-09	0.041	0.028	0.144	0.001	36.118	TRUE	2.18E-06
COPD in never smokers	IL10	rs17351229	T	C	-0.734	0.127	0.014	7.65E-09	0.134	0.076	0.081	0.001	33.360	TRUE	1.08E-05
COPD in never smokers	IL10	rs77913112	A	G	-0.182	0.026	0.027	1.29E-12	0.088	0.059	0.134	0.002	50.342	TRUE	1.26E-08
COPD in never smokers	IL10	rs880790	C	T	-0.078	0.009	0.241	6.21E-17	0.018	0.020	0.361	0.002	69.905	TRUE	1.40E-12
COPD in never smokers	ITGAM	rs113634117	G	A	-0.057	0.009	0.259	6.02E-10	-0.002	0.018	0.896	0.001	38.311	TRUE	4.08E-08

COPD in never smokers	ITGAM	rs12716979	G	T	0.071	0.008	0.367	1.21E-17	-0.030	0.017	0.080	0.002	73.125	TRUE	5.82E-12
COPD in never smokers	ITGAM	rs12930249	C	T	-0.191	0.010	0.357	3.81E-87	0.041	0.019	0.031	0.012	391.524	TRUE	7.08E-63
COPD in never smokers	ITGAM	rs28385574	T	C	0.105	0.017	0.068	1.05E-09	-0.061	0.027	0.021	0.001	37.230	TRUE	9.01E-06
COPD in never smokers	ITGAM	rs4889645	A	G	0.092	0.015	0.083	1.57E-09	-0.042	0.026	0.110	0.001	36.438	TRUE	2.61E-06
COPD in never smokers	ITGAM	rs7192039	C	T	0.108	0.013	0.117	4.52E-16	-0.035	0.027	0.192	0.002	65.992	TRUE	2.12E-11
COPD in never smokers	ITGAM	rs74792333	T	C	-0.158	0.022	0.044	5.07E-13	0.005	0.037	0.893	0.002	52.174	TRUE	1.44E-10
COPD in never smokers	ITGAM	rs78748952	T	C	0.095	0.013	0.107	6.44E-13	0.009	0.025	0.710	0.002	51.704	TRUE	3.45E-10
COPD in never smokers	ITPR1	rs1018011	G	T	0.163	0.014	0.094	2.18E-33	-0.036	0.027	0.187	0.005	144.962	TRUE	2.08E-24
COPD in never smokers	ITPR1	rs1038639	T	G	-0.187	0.008	0.427	1.25E-121	-0.028	0.017	0.100	0.017	549.980	TRUE	5.88E-91
COPD in never smokers	ITPR1	rs113651617	C	T	0.068	0.011	0.158	3.84E-10	0.026	0.022	0.235	0.001	39.188	TRUE	3.74E-07
COPD in never smokers	ITPR1	rs115729335	T	C	-0.399	0.040	0.016	4.04E-23	0.034	0.077	0.663	0.003	98.063	TRUE	4.10E-18
COPD in never smokers	ITPR1	rs177440	C	T	-0.093	0.012	0.145	1.05E-15	-0.015	0.023	0.496	0.002	64.326	TRUE	5.88E-12
COPD in never smokers	ITPR1	rs2053500	C	T	0.080	0.013	0.107	1.01E-09	-0.017	0.027	0.514	0.001	37.310	TRUE	2.19E-07
COPD in never smokers	ITPR1	rs2291597	A	G	0.105	0.015	0.080	6.02E-13	0.009	0.035	0.805	0.002	51.837	TRUE	2.29E-10
COPD in never smokers	ITPR1	rs2322800	A	G	-0.419	0.014	0.083	2.34E-191	-0.034	0.033	0.293	0.027	870.610	TRUE	2.16E-147
COPD in never smokers	ITPR1	rs304007	G	T	-0.074	0.012	0.121	1.38E-09	0.013	0.028	0.638	0.001	36.697	TRUE	1.80E-07
COPD in never smokers	ITPR1	rs35508055	C	T	0.162	0.028	0.023	5.58E-09	-0.062	0.046	0.181	0.001	33.973	TRUE	3.68E-06
COPD in never smokers	ITPR1	rs4685835	A	G	-0.127	0.013	0.097	2.22E-21	0.004	0.030	0.907	0.003	90.131	TRUE	2.88E-17
COPD in never smokers	ITPR1	rs6792272	G	A	0.055	0.010	0.203	2.64E-08	-0.026	0.020	0.186	0.001	30.956	TRUE	1.09E-05
COPD in never smokers	ITPR1	rs698213	C	T	-0.140	0.013	0.111	3.65E-27	-0.052	0.026	0.043	0.004	116.518	TRUE	1.79E-18
COPD in never smokers	ITPR1	rs73005403	G	A	-0.086	0.014	0.088	1.34E-09	-0.037	0.028	0.198	0.001	36.751	TRUE	1.17E-06
COPD in never smokers	ITPR1	rs80078284	C	T	0.139	0.022	0.039	2.60E-10	0.035	0.041	0.394	0.001	39.953	TRUE	1.26E-07
COPD in never smokers	ITPR1	rs813811	G	A	0.076	0.008	0.332	2.11E-19	-0.003	0.018	0.860	0.003	81.125	TRUE	1.35E-15
COPD in never smokers	KAT8	rs1060506	T	C	0.245	0.009	0.322	2.14E-152	0.043	0.018	0.018	0.021	691.426	TRUE	1.96E-111
COPD in never smokers	KAT8	rs11574947	T	C	-0.074	0.012	0.195	5.57E-10	0.005	0.021	0.821	0.001	38.465	TRUE	4.87E-08
COPD in never smokers	KAT8	rs142366936	A	G	0.230	0.042	0.019	3.99E-08	-0.027	0.067	0.687	0.001	30.151	TRUE	2.13E-06
COPD in never smokers	KAT8	rs147208188	A	G	0.257	0.030	0.024	3.00E-17	0.079	0.053	0.132	0.002	71.341	TRUE	5.28E-12
COPD in never smokers	KAT8	rs148603263	C	T	0.225	0.028	0.028	1.70E-15	-0.032	0.054	0.549	0.002	63.377	TRUE	6.62E-12
COPD in never smokers	KAT8	rs2884737	C	A	-0.137	0.011	0.241	6.39E-34	-0.009	0.019	0.649	0.005	147.400	TRUE	1.42E-26
COPD in never smokers	KAT8	rs3764322	G	A	0.065	0.010	0.273	2.01E-10	0.037	0.020	0.063	0.001	40.450	TRUE	1.09E-06
COPD in never smokers	KAT8	rs55742763	G	A	0.066	0.009	0.494	6.77E-14	0.024	0.017	0.149	0.002	56.130	TRUE	1.27E-09
COPD in never smokers	KAT8	rs72800845	A	G	-0.069	0.011	0.225	8.24E-11	-0.004	0.019	0.843	0.001	42.198	TRUE	9.92E-09
COPD in never smokers	KAT8	rs74792333	T	C	0.261	0.025	0.044	3.91E-25	0.005	0.037	0.893	0.003	107.247	TRUE	3.10E-20
COPD in never smokers	KAT8	rs79411291	G	A	0.143	0.026	0.034	2.13E-08	0.009	0.037	0.817	0.001	31.367	TRUE	8.87E-07
COPD in never smokers	KRT18	rs11170341	C	T	-0.120	0.012	0.201	2.26E-25	0.001	0.021	0.977	0.003	108.341	TRUE	1.29E-20
COPD in never smokers	KRT18	rs902771	C	A	0.108	0.010	0.272	5.04E-26	0.037	0.018	0.039	0.004	111.313	TRUE	1.43E-17
COPD in never smokers	LAMTOR4	rs10278040	A	G	0.139	0.020	0.062	2.31E-12	-0.002	0.034	0.957	0.002	49.196	TRUE	3.86E-10
COPD in never smokers	LAMTOR4	rs113202779	G	T	-0.255	0.041	0.022	4.11E-10	-0.042	0.051	0.414	0.001	39.058	TRUE	1.63E-07
COPD in never smokers	LAMTOR4	rs117275160	T	C	-0.244	0.044	0.015	4.02E-08	-0.036	0.071	0.614	0.001	30.138	TRUE	2.67E-06
COPD in never smokers	LAMTOR4	rs117430166	T	C	0.223	0.023	0.049	1.42E-22	0.042	0.036	0.247	0.003	95.572	TRUE	1.69E-16
COPD in never smokers	LAMTOR4	rs12705058	A	G	0.061	0.010	0.292	3.25E-09	-0.003	0.018	0.855	0.001	35.025	TRUE	1.78E-07
COPD in never smokers	LAMTOR4	rs12878	G	A	0.248	0.009	0.400	1.05E-171	0.038	0.017	0.022	0.024	780.225	TRUE	2.19E-126

COPD in never smokers	LAMTOR4	rs138232685	A	G	0.174	0.027	0.036	1.40E-10	0.119	0.054	0.028	0.001	41.157	TRUE	1.80E-06
COPD in never smokers	LAMTOR4	rs142267802	T	C	-0.318	0.034	0.023	1.92E-20	0.089	0.053	0.096	0.003	85.868	TRUE	4.02E-14
COPD in never smokers	LAMTOR4	rs144305120	G	T	-0.102	0.017	0.077	8.68E-10	-0.030	0.033	0.361	0.001	37.599	TRUE	3.61E-07
COPD in never smokers	LAMTOR4	rs2075668	G	A	-0.112	0.011	0.221	2.37E-25	-0.021	0.019	0.289	0.003	108.241	TRUE	8.96E-19
COPD in never smokers	LAMTOR4	rs221773	T	C	0.176	0.016	0.098	2.82E-27	0.010	0.027	0.704	0.004	117.031	TRUE	1.74E-21
COPD in never smokers	LAMTOR4	rs2525555	T	C	0.100	0.010	0.313	1.12E-25	0.040	0.018	0.027	0.003	109.730	TRUE	4.51E-17
COPD in never smokers	LAMTOR4	rs4236544	G	A	-0.072	0.010	0.239	8.63E-12	0.016	0.020	0.429	0.001	46.613	TRUE	8.13E-09
COPD in never smokers	LAMTOR4	rs56252897	A	C	-0.154	0.019	0.059	1.47E-15	-0.072	0.031	0.021	0.002	63.664	TRUE	9.16E-10
COPD in never smokers	LAMTOR4	rs62482222	A	G	0.092	0.013	0.153	3.33E-13	0.046	0.024	0.055	0.002	52.998	TRUE	1.42E-08
COPD in never smokers	LAMTOR4	rs73148807	A	G	0.159	0.023	0.051	8.53E-12	0.022	0.036	0.535	0.001	46.638	TRUE	5.14E-09
COPD in never smokers	LAMTOR4	rs73159758	A	G	-1.209	0.047	0.013	5.72E-144	0.246	0.076	0.001	0.020	652.681	TRUE	1.85E-101
COPD in never smokers	LAMTOR4	rs7384878	C	T	-0.105	0.010	0.304	2.64E-27	0.022	0.018	0.216	0.004	117.161	TRUE	6.01E-20
COPD in never smokers	LAMTOR4	rs74345875	G	A	0.261	0.042	0.016	4.88E-10	-0.044	0.065	0.497	0.001	38.723	TRUE	1.34E-07
COPD in never smokers	LAMTOR4	rs7794485	C	T	-0.171	0.011	0.189	1.19E-52	-0.030	0.021	0.148	0.007	233.198	TRUE	8.71E-39
COPD in never smokers	LAPTM4A	rs10206623	A	C	0.091	0.016	0.071	6.39E-09	0.003	0.030	0.934	0.001	33.710	TRUE	2.40E-07
COPD in never smokers	LAPTM4A	rs35030383	A	G	-0.055	0.008	0.368	4.07E-11	0.012	0.017	0.477	0.001	43.578	TRUE	2.16E-08
COPD in never smokers	MANBA	rs139225366	C	T	0.282	0.037	0.019	3.72E-14	-0.018	0.059	0.763	0.002	57.310	TRUE	2.97E-11
COPD in never smokers	MANBA	rs141190853	T	C	-0.149	0.018	0.066	2.61E-17	-0.044	0.034	0.199	0.002	71.615	TRUE	2.38E-12
COPD in never smokers	MANBA	rs17033239	C	A	-0.114	0.015	0.088	6.22E-14	0.025	0.030	0.402	0.002	56.298	TRUE	2.16E-10
COPD in never smokers	MANBA	rs223364	T	C	0.243	0.009	0.342	7.60E-167	0.041	0.017	0.017	0.023	757.872	TRUE	2.83E-122
COPD in never smokers	MANBA	rs28444377	C	A	0.118	0.010	0.222	5.90E-35	-0.009	0.019	0.656	0.005	152.132	TRUE	2.08E-27
COPD in never smokers	MANBA	rs28545534	A	G	-0.199	0.036	0.021	2.62E-08	-0.044	0.058	0.453	0.001	30.972	TRUE	3.27E-06
COPD in never smokers	MANBA	rs34711817	A	G	0.150	0.014	0.083	2.54E-25	0.073	0.029	0.013	0.003	108.102	TRUE	2.27E-16
COPD in never smokers	MANBA	rs3733209	C	T	0.179	0.021	0.039	3.34E-18	-0.041	0.045	0.362	0.002	75.672	TRUE	1.49E-13
COPD in never smokers	MANBA	rs6533069	C	T	0.226	0.025	0.040	2.13E-19	0.003	0.032	0.935	0.003	81.107	TRUE	9.68E-16
COPD in never smokers	MANBA	rs7674640	C	T	-0.109	0.008	0.501	8.51E-43	-0.024	0.017	0.149	0.006	188.028	TRUE	2.75E-31
COPD in never smokers	MAPT	rs17698176	G	T	0.065	0.010	0.202	9.56E-11	-0.042	0.020	0.034	0.001	41.907	TRUE	1.18E-06
COPD in never smokers	MTMR3	rs113188978	C	T	0.215	0.029	0.021	7.39E-14	-0.012	0.057	0.832	0.002	55.959	TRUE	3.92E-11
COPD in never smokers	MTMR3	rs116966156	T	C	0.215	0.033	0.018	1.24E-10	-0.056	0.057	0.326	0.001	41.399	TRUE	9.91E-08
COPD in never smokers	MTMR3	rs11704738	C	T	0.044	0.008	0.530	3.92E-08	-0.034	0.017	0.049	0.001	30.186	TRUE	5.17E-05
COPD in never smokers	MTMR3	rs117462236	A	G	0.257	0.028	0.025	7.87E-20	0.103	0.072	0.153	0.003	83.078	TRUE	5.06E-14
COPD in never smokers	MTMR3	rs117921880	T	G	0.395	0.062	0.013	2.06E-10	-0.034	0.083	0.680	0.001	40.406	TRUE	3.54E-08
COPD in never smokers	MTMR3	rs12483807	A	G	0.446	0.011	0.157	0.00E+00	0.033	0.023	0.149	0.052	1753.374	TRUE	2.11E-292
COPD in never smokers	MTMR3	rs12710565	G	A	-0.167	0.008	0.387	1.40E-93	-0.025	0.017	0.137	0.013	421.079	TRUE	5.24E-70
COPD in never smokers	MTMR3	rs131257	A	G	-0.093	0.017	0.060	4.24E-08	0.008	0.034	0.811	0.001	30.033	TRUE	1.55E-06
COPD in never smokers	MTMR3	rs143428765	A	G	0.159	0.020	0.043	9.27E-16	0.053	0.037	0.154	0.002	64.577	TRUE	5.17E-11
COPD in never smokers	MTMR3	rs147405430	C	T	0.445	0.036	0.018	2.26E-35	0.079	0.061	0.198	0.005	154.043	TRUE	5.56E-26
COPD in never smokers	MTMR3	rs148912779	T	C	0.227	0.030	0.022	1.50E-14	0.020	0.052	0.703	0.002	59.095	TRUE	1.85E-11
COPD in never smokers	MTMR3	rs150576069	A	G	0.335	0.025	0.028	2.40E-40	0.034	0.048	0.472	0.006	176.804	TRUE	4.92E-31
COPD in never smokers	MTMR3	rs174723	G	A	-0.057	0.008	0.409	1.29E-12	-0.012	0.017	0.462	0.002	50.347	TRUE	1.63E-09
COPD in never smokers	MTMR3	rs2074705	A	C	-0.121	0.021	0.037	1.00E-08	-0.024	0.051	0.633	0.001	32.831	TRUE	8.57E-07
COPD in never smokers	MTMR3	rs2527341	A	G	0.130	0.014	0.097	7.74E-22	-0.030	0.027	0.267	0.003	92.219	TRUE	5.12E-16

COPD in never smokers	MTMR3	rs2744465	A	G	-0.062	0.008	0.456	4.50E-15	-0.030	0.016	0.070	0.002	61.465	TRUE	5.03E-10
COPD in never smokers	MTMR3	rs34150968	A	G	0.587	0.075	0.013	6.29E-15	0.029	0.075	0.703	0.002	60.805	TRUE	9.34E-12
COPD in never smokers	MTMR3	rs4823084	A	G	-0.079	0.009	0.293	1.88E-19	-0.026	0.018	0.140	0.003	81.359	TRUE	1.14E-13
COPD in never smokers	MTMR3	rs5763276	G	A	-0.125	0.010	0.222	6.47E-39	-0.019	0.019	0.335	0.005	170.256	TRUE	2.20E-29
COPD in never smokers	MTMR3	rs5763483	C	A	0.314	0.011	0.188	2.65E-172	0.088	0.056	0.116	0.024	782.976	TRUE	3.59E-130
COPD in never smokers	MTMR3	rs5763914	T	C	-0.167	0.031	0.019	4.57E-08	-0.128	0.065	0.048	0.001	29.888	TRUE	5.78E-05
COPD in never smokers	MTMR3	rs5763928	G	A	-0.054	0.010	0.220	1.94E-08	-0.011	0.019	0.576	0.001	31.549	TRUE	1.71E-06
COPD in never smokers	MTMR3	rs7289095	T	C	0.100	0.011	0.172	1.30E-19	-0.025	0.021	0.246	0.003	82.090	TRUE	2.93E-14
COPD in never smokers	MTMR3	rs73159090	C	T	-0.193	0.034	0.020	8.31E-09	-0.058	0.057	0.313	0.001	33.198	TRUE	2.42E-06
COPD in never smokers	MTMR3	rs73162720	G	A	0.427	0.028	0.022	2.69E-51	-0.015	0.055	0.782	0.007	226.982	TRUE	1.01E-40
COPD in never smokers	MTMR3	rs737812	A	C	0.074	0.008	0.322	2.92E-18	0.018	0.017	0.295	0.002	75.936	TRUE	2.13E-13
COPD in never smokers	MTMR3	rs7410776	T	C	0.093	0.008	0.405	9.14E-31	0.001	0.017	0.934	0.004	132.969	TRUE	7.88E-25
COPD in never smokers	MTMR3	rs76774084	G	A	-0.104	0.016	0.069	3.34E-11	0.028	0.032	0.388	0.001	43.962	TRUE	2.75E-08
COPD in never smokers	MTMR3	rs79247733	A	G	0.166	0.013	0.109	7.82E-39	0.039	0.028	0.170	0.005	169.880	TRUE	1.96E-28
COPD in never smokers	MTMR3	rs9608852	T	C	-0.089	0.009	0.279	9.00E-24	-0.035	0.018	0.056	0.003	101.036	TRUE	3.54E-16
COPD in never smokers	MTMR3	rs9613919	A	G	0.249	0.013	0.104	4.25E-82	0.060	0.029	0.036	0.011	368.344	TRUE	2.80E-59
COPD in never smokers	MTMR3	rs9614040	G	A	-0.074	0.008	0.365	4.53E-19	-0.012	0.017	0.474	0.003	79.618	TRUE	1.66E-14
COPD in never smokers	MTMR3	rs9625915	C	A	-0.156	0.010	0.227	7.60E-60	-0.035	0.021	0.089	0.008	266.196	TRUE	1.38E-43
COPD in never smokers	MTMR9	rs10108050	C	T	0.228	0.021	0.037	6.97E-27	0.002	0.041	0.968	0.004	115.233	TRUE	8.33E-22
COPD in never smokers	MTMR9	rs11250172	G	T	0.071	0.010	0.457	1.34E-12	0.055	0.017	0.001	0.002	50.262	TRUE	7.84E-07
COPD in never smokers	MTMR9	rs2245257	C	T	0.140	0.010	0.218	6.96E-48	0.010	0.020	0.599	0.007	211.339	TRUE	2.14E-37
COPD in never smokers	MTMR9	rs2572375	T	C	-0.084	0.009	0.308	5.03E-22	-0.031	0.019	0.102	0.003	93.070	TRUE	2.48E-15
COPD in never smokers	MTMR9	rs2618479	A	G	0.058	0.010	0.180	1.90E-08	0.036	0.022	0.107	0.001	31.589	TRUE	1.55E-05
COPD in never smokers	MTMR9	rs78389655	T	G	-0.093	0.014	0.089	4.12E-11	-0.010	0.029	0.713	0.001	43.552	TRUE	8.98E-09
COPD in never smokers	NACC2	rs10114701	C	T	-0.233	0.022	0.043	1.89E-26	-0.020	0.044	0.658	0.004	113.257	TRUE	1.02E-20
COPD in never smokers	NACC2	rs10776882	A	G	0.145	0.021	0.080	1.33E-11	-0.023	0.027	0.386	0.001	45.760	TRUE	1.38E-08
COPD in never smokers	NACC2	rs11103260	A	G	-0.113	0.020	0.058	2.46E-08	-0.046	0.042	0.276	0.001	31.090	TRUE	6.40E-06
COPD in never smokers	NACC2	rs111858082	A	G	-0.161	0.022	0.043	1.53E-13	0.002	0.044	0.963	0.002	54.529	TRUE	4.27E-11
COPD in never smokers	NACC2	rs11792837	A	C	-0.162	0.012	0.168	1.45E-43	-0.009	0.022	0.673	0.006	191.556	TRUE	3.00E-34
COPD in never smokers	NACC2	rs1183195	T	C	-0.093	0.010	0.487	1.16E-21	0.005	0.017	0.777	0.003	91.411	TRUE	3.23E-17
COPD in never smokers	NACC2	rs12685144	A	G	-0.112	0.012	0.209	5.15E-22	0.038	0.021	0.067	0.003	93.024	TRUE	5.10E-15
COPD in never smokers	NACC2	rs1572290	C	T	-0.078	0.011	0.398	4.40E-13	0.028	0.018	0.116	0.002	52.455	TRUE	7.00E-09
COPD in never smokers	NACC2	rs1717418	G	T	0.321	0.009	0.307	1.02E-301	-0.035	0.018	0.047	0.042	1378.353	TRUE	8.79E-227
COPD in never smokers	NACC2	rs34696092	T	C	0.134	0.020	0.063	9.94E-12	-0.009	0.031	0.779	0.001	46.338	TRUE	2.32E-09
COPD in never smokers	NACC2	rs4842092	G	A	-0.060	0.010	0.353	5.99E-10	-0.033	0.018	0.061	0.001	38.324	TRUE	2.40E-06
COPD in never smokers	NACC2	rs56085853	C	A	0.493	0.021	0.040	7.53E-121	-0.082	0.042	0.053	0.017	546.392	TRUE	3.05E-89
COPD in never smokers	NACC2	rs62583479	A	G	0.352	0.023	0.047	6.36E-55	0.030	0.033	0.365	0.008	243.614	TRUE	6.31E-42
COPD in never smokers	NACC2	rs7388909	C	T	0.076	0.010	0.316	4.87E-14	0.008	0.018	0.642	0.002	56.779	TRUE	5.99E-11
COPD in never smokers	NACC2	rs78892281	A	G	-0.170	0.031	0.031	4.86E-08	0.076	0.040	0.061	0.001	29.770	TRUE	4.98E-05
COPD in never smokers	NEU1	rs3101018	T	C	-0.193	0.022	0.102	7.62E-18	0.153	0.023	3.83E-11	0.002	74.045	TRUE	1.80E-06
COPD in never smokers	NEU1	rs494620	A	G	0.089	0.012	0.423	2.95E-13	-0.029	0.017	0.085	0.002	53.237	TRUE	7.84E-09
COPD in never smokers	NFKBIA	rs112026560	T	C	0.277	0.036	0.029	6.13E-15	-0.034	0.058	0.557	0.002	60.855	TRUE	1.72E-11

COPD in never smokers	NFKBIA	rs117923945	T	C	0.231	0.041	0.024	1.17E-08	-0.038	0.067	0.571	0.001	32.536	TRUE	1.18E-06
COPD in never smokers	NFKBIA	rs12897454	G	A	-0.138	0.023	0.070	2.56E-09	0.000	0.034	0.992	0.001	35.493	TRUE	9.63E-08
COPD in never smokers	NFKBIA	rs138434930	A	G	0.565	0.063	0.013	4.27E-19	-0.023	0.063	0.715	0.003	79.736	TRUE	4.63E-15
COPD in never smokers	NFKBIA	rs138940266	A	G	-0.291	0.042	0.027	3.29E-12	-0.047	0.048	0.324	0.002	48.505	TRUE	6.56E-09
COPD in never smokers	NFKBIA	rs148336586	G	A	0.294	0.050	0.020	4.25E-09	-0.018	0.055	0.743	0.001	34.502	TRUE	3.10E-07
COPD in never smokers	NFKBIA	rs17523485	T	G	0.160	0.017	0.133	6.43E-20	0.034	0.024	0.160	0.003	83.476	TRUE	4.01E-14
COPD in never smokers	NFKBIA	rs55910801	G	T	0.083	0.012	0.463	5.35E-12	0.002	0.017	0.920	0.001	47.552	TRUE	8.60E-10
COPD in never smokers	NFKBIA	rs61981526	T	C	0.303	0.048	0.021	2.69E-10	-0.015	0.050	0.766	0.001	39.887	TRUE	3.27E-08
COPD in never smokers	NFKBIA	rs7159324	C	T	-0.230	0.016	0.173	8.32E-50	0.029	0.022	0.180	0.007	220.151	TRUE	7.06E-37
COPD in never smokers	NFKBIA	rs7161300	T	C	-0.078	0.013	0.299	1.36E-09	-0.010	0.018	0.562	0.001	36.719	TRUE	2.32E-07
COPD in never smokers	NFKBIA	rs72664840	T	C	0.413	0.015	0.180	4.51E-167	0.024	0.021	0.266	0.023	758.914	TRUE	2.82E-128
COPD in never smokers	NFKBIA	rs72664875	C	T	0.281	0.024	0.064	1.71E-31	0.061	0.035	0.078	0.004	136.301	TRUE	3.96E-22
COPD in never smokers	NFKBIA	rs75776420	G	A	0.259	0.020	0.104	3.92E-40	0.037	0.027	0.167	0.006	175.833	TRUE	2.09E-29
COPD in never smokers	NFKBIA	rs799678	G	A	-0.112	0.012	0.372	1.71E-19	0.020	0.017	0.256	0.003	81.546	TRUE	3.34E-14
COPD in never smokers	NFKBIA	rs8904	A	G	0.166	0.012	0.383	1.19E-42	0.011	0.017	0.537	0.006	187.354	TRUE	4.56E-33
COPD in never smokers	NFKBIA	rs9322955	G	A	0.105	0.012	0.444	7.15E-19	0.019	0.017	0.256	0.002	78.719	TRUE	9.86E-14
COPD in never smokers	NFKBIA	rs9491	A	C	0.140	0.016	0.153	1.28E-17	0.029	0.023	0.196	0.002	73.015	TRUE	1.43E-12
COPD in never smokers	NFKBIA	rs9630376	C	T	-0.080	0.012	0.455	2.64E-11	-0.025	0.017	0.126	0.001	44.422	TRUE	1.20E-07
COPD in never smokers	NLRP6	rs113105817	T	C	-0.287	0.034	0.030	2.48E-17	-0.066	0.062	0.290	0.002	71.720	TRUE	1.11E-12
COPD in never smokers	NLRP6	rs12793187	T	C	0.089	0.010	0.185	2.77E-17	0.003	0.021	0.879	0.002	71.499	TRUE	6.04E-14
COPD in never smokers	NLRP6	rs3809109	G	A	0.104	0.009	0.440	3.31E-28	0.006	0.017	0.714	0.004	121.279	TRUE	3.02E-22
COPD in never smokers	NLRP6	rs4076104	A	G	-0.072	0.013	0.148	2.51E-08	0.026	0.022	0.252	0.001	31.052	TRUE	7.33E-06
COPD in never smokers	NLRP6	rs577259	T	C	-0.076	0.010	0.225	3.44E-14	0.027	0.026	0.297	0.002	57.462	TRUE	2.48E-10
COPD in never smokers	NLRP6	rs61876235	A	G	-0.101	0.014	0.173	3.67E-13	-0.015	0.022	0.501	0.002	52.809	TRUE	5.25E-10
COPD in never smokers	NLRP6	rs7128044	G	A	0.095	0.009	0.250	1.12E-24	-0.021	0.019	0.267	0.003	105.163	TRUE	3.56E-18
COPD in never smokers	NLRP6	rs760059	C	T	0.096	0.011	0.409	2.56E-17	0.043	0.019	0.022	0.002	71.655	TRUE	5.28E-11
COPD in never smokers	NLRP6	rs7947015	A	G	-0.078	0.014	0.168	7.93E-09	-0.031	0.023	0.171	0.001	33.291	TRUE	5.07E-06
COPD in never smokers	NLRP6	rs9734276	A	G	-0.109	0.014	0.154	2.05E-14	0.049	0.027	0.071	0.002	58.482	TRUE	1.46E-09
COPD in never smokers	NLRP6	rs9737419	A	G	-0.093	0.014	0.170	5.45E-12	-0.040	0.023	0.080	0.001	47.516	TRUE	6.69E-08
COPD in never smokers	NPC2	rs10146860	T	G	0.063	0.010	0.327	1.22E-09	-0.019	0.018	0.289	0.001	36.937	TRUE	6.55E-07
COPD in never smokers	NPC2	rs11625990	A	G	0.060	0.009	0.405	2.97E-12	0.030	0.017	0.072	0.002	48.703	TRUE	4.90E-08
COPD in never smokers	NPC2	rs117238791	T	C	0.176	0.030	0.023	5.81E-09	-0.073	0.054	0.175	0.001	33.894	TRUE	3.94E-06
COPD in never smokers	NPC2	rs117409005	A	G	-0.171	0.016	0.070	1.41E-26	-0.063	0.031	0.042	0.004	113.834	TRUE	4.97E-18
COPD in never smokers	NPC2	rs117994407	T	C	-0.337	0.030	0.023	3.98E-30	-0.031	0.059	0.600	0.004	130.052	TRUE	1.87E-23
COPD in never smokers	NPC2	rs12889797	A	G	-0.162	0.010	0.205	1.66E-58	-0.024	0.025	0.332	0.008	260.049	TRUE	1.54E-44
COPD in never smokers	NPC2	rs4903222	T	G	0.123	0.010	0.191	2.06E-32	0.026	0.021	0.208	0.004	140.499	TRUE	8.67E-24
COPD in never smokers	NPC2	rs57404741	T	C	-0.073	0.012	0.143	4.33E-10	0.006	0.024	0.784	0.001	38.955	TRUE	4.49E-08
COPD in never smokers	NPC2	rs7145480	A	G	0.201	0.028	0.026	2.91E-13	0.016	0.043	0.701	0.002	53.264	TRUE	1.92E-10
COPD in never smokers	NPC2	rs75441777	T	G	-0.199	0.029	0.022	7.26E-12	0.057	0.058	0.332	0.001	46.952	TRUE	1.14E-08
COPD in never smokers	NPC2	rs75672081	T	C	0.192	0.022	0.034	1.35E-17	-0.061	0.042	0.147	0.002	72.920	TRUE	2.46E-12
COPD in never smokers	NPC2	rs76766564	A	C	-0.189	0.025	0.033	3.11E-14	-0.052	0.048	0.276	0.002	57.659	TRUE	2.63E-10
COPD in never smokers	NPC2	rs79515561	T	C	-0.206	0.019	0.056	3.32E-27	-0.097	0.034	0.004	0.004	116.703	TRUE	4.36E-17

COPD in never smokers	NPC2	rs8003055	C	A	0.059	0.009	0.276	4.26E-11	-0.024	0.018	0.196	0.001	43.489	TRUE	9.60E-08
COPD in never smokers	NPC2	rs862036	T	C	0.135	0.008	0.374	8.67E-61	0.028	0.017	0.102	0.008	270.518	TRUE	1.76E-44
COPD in never smokers	OGG1	rs12490900	A	G	0.055	0.009	0.302	1.79E-10	-0.025	0.018	0.164	0.001	40.679	TRUE	3.45E-07
COPD in never smokers	OGG1	rs141796408	T	C	-0.256	0.045	0.016	8.76E-09	-0.058	0.079	0.458	0.001	33.097	TRUE	1.40E-06
COPD in never smokers	ORMDL3	rs1009727	A	G	-0.056	0.009	0.305	1.48E-10	-0.005	0.018	0.766	0.001	41.052	TRUE	2.05E-08
COPD in never smokers	ORMDL3	rs10305287	C	A	-0.299	0.042	0.016	1.66E-12	-0.011	0.066	0.870	0.002	49.852	TRUE	4.03E-10
COPD in never smokers	ORMDL3	rs10305295	G	T	0.184	0.022	0.038	2.93E-17	-0.063	0.042	0.133	0.002	71.384	TRUE	5.13E-12
COPD in never smokers	ORMDL3	rs11078892	T	C	0.075	0.010	0.473	5.24E-14	-0.001	0.017	0.960	0.002	56.634	TRUE	1.82E-11
COPD in never smokers	ORMDL3	rs11078916	T	C	0.340	0.009	0.291	0.00E+00	0.043	0.018	0.019	0.048	1587.200	TRUE	7.27E-259
COPD in never smokers	ORMDL3	rs11079074	T	C	-0.088	0.008	0.440	5.23E-28	-0.015	0.017	0.373	0.004	120.368	TRUE	4.10E-21
COPD in never smokers	ORMDL3	rs112433793	G	A	0.097	0.013	0.135	1.00E-14	-0.001	0.024	0.977	0.002	59.888	TRUE	4.53E-12
COPD in never smokers	ORMDL3	rs113235009	G	T	-0.097	0.015	0.076	1.23E-10	0.006	0.032	0.845	0.001	41.412	TRUE	1.36E-08
COPD in never smokers	ORMDL3	rs113557550	T	C	0.143	0.019	0.050	1.16E-13	0.018	0.041	0.664	0.002	55.065	TRUE	1.08E-10
COPD in never smokers	ORMDL3	rs113930796	C	T	0.428	0.025	0.030	3.00E-64	0.048	0.052	0.352	0.009	286.397	TRUE	4.18E-49
COPD in never smokers	ORMDL3	rs11652139	G	A	-0.353	0.008	0.403	0.00E+00	-0.064	0.030	0.034	0.059	1979.006	TRUE	0.00E+00
COPD in never smokers	ORMDL3	rs11653687	G	T	-0.070	0.012	0.369	2.46E-09	0.005	0.017	0.746	0.001	35.570	TRUE	2.00E-07
COPD in never smokers	ORMDL3	rs117270499	G	A	-0.468	0.030	0.024	2.91E-54	-0.013	0.042	0.767	0.008	240.582	TRUE	5.09E-43
COPD in never smokers	ORMDL3	rs117302117	T	C	-0.192	0.034	0.017	1.72E-08	0.025	0.056	0.657	0.001	31.783	TRUE	1.21E-06
COPD in never smokers	ORMDL3	rs117362920	C	A	0.404	0.030	0.023	1.89E-41	0.118	0.040	0.003	0.006	181.860	TRUE	6.11E-27
COPD in never smokers	ORMDL3	rs117504211	C	A	-0.391	0.017	0.068	6.33E-114	-0.017	0.032	0.599	0.016	514.569	TRUE	2.49E-89
COPD in never smokers	ORMDL3	rs117620922	G	A	0.278	0.029	0.026	6.60E-22	0.082	0.060	0.171	0.003	92.535	TRUE	1.16E-15
COPD in never smokers	ORMDL3	rs118017471	A	G	0.492	0.032	0.021	8.81E-53	0.039	0.049	0.430	0.007	233.793	TRUE	1.45E-40
COPD in never smokers	ORMDL3	rs118034841	T	C	-0.689	0.034	0.021	2.61E-91	-0.081	0.048	0.087	0.013	410.652	TRUE	1.62E-67
COPD in never smokers	ORMDL3	rs118036166	G	A	0.399	0.034	0.018	1.47E-31	-0.035	0.062	0.565	0.004	136.600	TRUE	1.77E-24
COPD in never smokers	ORMDL3	rs118082529	T	C	0.275	0.050	0.016	4.88E-08	0.086	0.078	0.268	0.001	29.764	TRUE	1.10E-05
COPD in never smokers	ORMDL3	rs118132312	G	A	-0.417	0.044	0.016	3.41E-21	-0.032	0.058	0.581	0.003	89.286	TRUE	2.06E-16
COPD in never smokers	ORMDL3	rs11868060	G	A	-0.379	0.029	0.027	1.77E-38	-0.050	0.041	0.230	0.005	168.252	TRUE	1.56E-28
COPD in never smokers	ORMDL3	rs12450388	C	T	-0.064	0.009	0.426	1.81E-13	-0.040	0.017	0.016	0.002	54.193	TRUE	3.30E-08
COPD in never smokers	ORMDL3	rs12946162	T	C	-0.093	0.012	0.133	9.01E-14	0.042	0.024	0.080	0.002	55.567	TRUE	3.64E-09
COPD in never smokers	ORMDL3	rs12946335	T	C	-0.672	0.031	0.019	3.98E-101	-0.014	0.060	0.812	0.014	455.752	TRUE	2.54E-80
COPD in never smokers	ORMDL3	rs138914307	T	C	0.277	0.044	0.015	2.79E-10	0.001	0.067	0.989	0.001	39.816	TRUE	1.63E-08
COPD in never smokers	ORMDL3	rs139014900	T	C	-0.233	0.028	0.031	6.44E-17	0.050	0.051	0.324	0.002	69.832	TRUE	1.81E-12
COPD in never smokers	ORMDL3	rs143669790	A	G	0.481	0.031	0.027	9.23E-54	0.146	0.061	0.017	0.007	238.286	TRUE	2.82E-37
COPD in never smokers	ORMDL3	rs143700374	T	G	-0.406	0.064	0.013	2.16E-10	-0.112	0.073	0.124	0.001	40.315	TRUE	5.56E-07
COPD in never smokers	ORMDL3	rs143706978	C	T	0.437	0.038	0.016	1.18E-30	-0.060	0.062	0.330	0.004	132.467	TRUE	5.38E-23
COPD in never smokers	ORMDL3	rs1467258	G	A	-0.177	0.012	0.134	3.53E-50	-0.039	0.023	0.095	0.007	221.859	TRUE	2.36E-36
COPD in never smokers	ORMDL3	rs146767035	A	G	-0.385	0.028	0.028	2.37E-44	-0.041	0.050	0.415	0.006	195.153	TRUE	6.19E-34
COPD in never smokers	ORMDL3	rs146890554	T	C	0.354	0.039	0.015	3.09E-19	-0.013	0.072	0.858	0.003	80.374	TRUE	1.85E-15
COPD in never smokers	ORMDL3	rs147879892	T	C	0.255	0.042	0.013	9.91E-10	-0.010	0.061	0.871	0.001	37.339	TRUE	6.57E-08
COPD in never smokers	ORMDL3	rs148116769	T	G	-0.390	0.049	0.021	2.29E-15	-0.066	0.061	0.283	0.002	62.799	TRUE	3.54E-11
COPD in never smokers	ORMDL3	rs150597587	C	T	-0.435	0.020	0.049	5.81E-102	-0.019	0.035	0.588	0.014	459.595	TRUE	7.14E-80
COPD in never smokers	ORMDL3	rs1558284	G	T	0.097	0.015	0.077	2.04E-10	0.019	0.030	0.528	0.001	40.422	TRUE	6.09E-08

COPD in never smokers	ORMDL3	rs16537	T	C	-0.148	0.014	0.126	5.38E-25	-0.009	0.023	0.677	0.003	106.620	TRUE	1.27E-19
COPD in never smokers	ORMDL3	rs192665233	A	C	0.429	0.020	0.047	7.64E-103	0.004	0.043	0.927	0.014	463.641	TRUE	3.17E-82
COPD in never smokers	ORMDL3	rs2071427	T	C	0.098	0.010	0.257	1.19E-23	0.023	0.018	0.210	0.003	100.478	TRUE	3.70E-17
COPD in never smokers	ORMDL3	rs2301775	G	A	-0.167	0.013	0.127	2.39E-39	0.020	0.025	0.423	0.005	172.235	TRUE	4.48E-30
COPD in never smokers	ORMDL3	rs2338582	T	C	0.070	0.011	0.179	1.52E-10	-0.003	0.022	0.882	0.001	41.006	TRUE	1.42E-08
COPD in never smokers	ORMDL3	rs34585058	A	G	-0.088	0.016	0.097	2.39E-08	0.002	0.025	0.937	0.001	31.146	TRUE	6.85E-07
COPD in never smokers	ORMDL3	rs35797841	T	C	0.412	0.019	0.049	2.30E-102	0.016	0.041	0.702	0.014	461.439	TRUE	9.01E-81
COPD in never smokers	ORMDL3	rs3764354	T	C	-0.768	0.011	0.128	0.00E+00	-0.043	0.024	0.071	0.129	4685.811	TRUE	0.00E+00
COPD in never smokers	ORMDL3	rs4795372	C	T	0.151	0.027	0.051	1.56E-08	-0.080	0.073	0.270	0.001	31.979	TRUE	4.71E-06
COPD in never smokers	ORMDL3	rs482284	A	G	-0.102	0.009	0.287	2.51E-30	0.008	0.018	0.654	0.004	130.960	TRUE	9.30E-24
COPD in never smokers	ORMDL3	rs55957019	G	A	0.458	0.018	0.050	2.10E-137	0.018	0.035	0.607	0.019	622.493	TRUE	8.19E-108
COPD in never smokers	ORMDL3	rs580506	A	G	-0.160	0.015	0.076	2.51E-25	-0.030	0.031	0.338	0.003	108.127	TRUE	6.25E-19
COPD in never smokers	ORMDL3	rs62065218	T	C	0.352	0.048	0.017	1.69E-13	-0.001	0.072	0.990	0.002	54.331	TRUE	4.17E-11
COPD in never smokers	ORMDL3	rs62077536	T	C	-0.369	0.032	0.020	3.45E-30	-0.071	0.071	0.318	0.004	130.331	TRUE	1.37E-22
COPD in never smokers	ORMDL3	rs658542	T	C	-0.152	0.011	0.153	5.74E-43	-0.007	0.023	0.760	0.006	188.815	TRUE	4.74E-34
COPD in never smokers	ORMDL3	rs7217240	T	C	0.486	0.010	0.198	0.00E+00	-0.012	0.020	0.540	0.074	2532.299	TRUE	0.00E+00
COPD in never smokers	ORMDL3	rs72819670	G	A	-0.323	0.036	0.017	1.47E-19	0.047	0.051	0.356	0.003	81.847	TRUE	1.43E-14
COPD in never smokers	ORMDL3	rs72819672	A	G	-0.208	0.018	0.052	2.20E-29	0.069	0.036	0.054	0.004	126.658	TRUE	2.91E-20
COPD in never smokers	ORMDL3	rs72825152	T	C	-0.459	0.054	0.013	1.41E-17	-0.196	0.086	0.022	0.002	72.825	TRUE	3.36E-11
COPD in never smokers	ORMDL3	rs72825191	A	G	0.322	0.047	0.020	6.61E-12	0.080	0.053	0.131	0.001	47.136	TRUE	4.24E-08
COPD in never smokers	ORMDL3	rs72825201	C	A	-0.285	0.017	0.065	1.28E-63	-0.069	0.034	0.041	0.009	283.514	TRUE	1.66E-45
COPD in never smokers	ORMDL3	rs72832915	A	G	-0.340	0.009	0.311	0.00E+00	-0.008	0.018	0.671	0.044	1455.578	TRUE	1.34E-249
COPD in never smokers	ORMDL3	rs72832993	A	C	0.346	0.017	0.070	2.45E-94	0.111	0.031	3.20E-04	0.013	424.555	TRUE	1.57E-63
COPD in never smokers	ORMDL3	rs72834789	C	T	0.204	0.012	0.129	4.37E-67	-0.027	0.024	0.266	0.009	299.416	TRUE	8.75E-51
COPD in never smokers	ORMDL3	rs72836603	A	C	-0.402	0.033	0.020	1.08E-34	-0.103	0.054	0.056	0.005	150.927	TRUE	3.23E-24
COPD in never smokers	ORMDL3	rs72836619	T	G	-0.340	0.023	0.037	7.54E-50	-0.014	0.039	0.725	0.007	220.348	TRUE	2.19E-39
COPD in never smokers	ORMDL3	rs74767487	A	G	0.279	0.016	0.079	4.75E-68	-0.029	0.031	0.346	0.009	303.842	TRUE	5.00E-52
COPD in never smokers	ORMDL3	rs75646943	T	C	-0.352	0.028	0.026	6.05E-37	-0.061	0.059	0.297	0.005	161.234	TRUE	1.07E-27
COPD in never smokers	ORMDL3	rs76555104	A	G	-0.740	0.036	0.017	1.35E-92	-0.039	0.058	0.499	0.013	416.558	TRUE	4.86E-72
COPD in never smokers	ORMDL3	rs77107066	T	C	-0.095	0.013	0.131	5.16E-14	-0.033	0.023	0.156	0.002	56.664	TRUE	9.76E-10
COPD in never smokers	ORMDL3	rs77812225	A	G	-0.197	0.030	0.020	8.27E-11	0.039	0.058	0.504	0.001	42.190	TRUE	3.34E-08
COPD in never smokers	ORMDL3	rs78581969	T	C	0.104	0.014	0.087	2.78E-13	0.015	0.027	0.576	0.002	53.354	TRUE	3.06E-10
COPD in never smokers	ORMDL3	rs78736194	A	C	0.117	0.021	0.047	1.61E-08	-0.005	0.037	0.899	0.001	31.909	TRUE	5.59E-07
COPD in never smokers	ORMDL3	rs79010101	T	C	0.210	0.019	0.049	4.48E-28	-0.010	0.035	0.769	0.004	120.677	TRUE	2.80E-22
COPD in never smokers	ORMDL3	rs79730542	C	T	-0.249	0.029	0.023	4.09E-18	0.012	0.049	0.811	0.002	75.272	TRUE	1.78E-14
COPD in never smokers	ORMDL3	rs8065040	G	A	0.063	0.008	0.449	2.21E-15	-0.034	0.017	0.041	0.002	62.862	TRUE	5.82E-10
COPD in never smokers	ORMDL3	rs8075931	T	C	-0.245	0.038	0.016	1.11E-10	-0.021	0.066	0.751	0.001	41.610	TRUE	1.72E-08
COPD in never smokers	ORMDL3	rs9914748	G	A	-0.048	0.008	0.388	3.55E-09	0.013	0.017	0.445	0.001	34.855	TRUE	7.40E-07
COPD in never smokers	PDCD10	rs11717419	A	G	0.073	0.010	0.219	3.51E-14	-0.018	0.020	0.364	0.002	57.419	TRUE	1.71E-10
COPD in never smokers	PDCD10	rs62274852	T	G	0.107	0.014	0.089	1.89E-14	0.025	0.028	0.374	0.002	58.645	TRUE	1.01E-10
COPD in never smokers	PELI3	rs116966964	A	G	-0.160	0.025	0.032	1.75E-10	-0.003	0.062	0.965	0.001	40.727	TRUE	1.21E-08
COPD in never smokers	PELI3	rs117216574	T	C	-0.134	0.016	0.072	1.48E-17	-0.036	0.031	0.245	0.002	72.736	TRUE	1.05E-12

COPD in never smokers	PELI3	rs138397091	T	G	-0.178	0.025	0.033	8.07E-13	0.060	0.062	0.337	0.002	51.262	TRUE	2.12E-09
COPD in never smokers	PELI3	rs150715352	T	C	-0.206	0.034	0.018	1.32E-09	-0.071	0.059	0.229	0.001	36.787	TRUE	9.60E-07
COPD in never smokers	PELI3	rs183088220	A	G	-0.260	0.043	0.015	1.51E-09	0.012	0.072	0.872	0.001	36.515	TRUE	9.18E-08
COPD in never smokers	PELI3	rs192262095	G	A	-0.235	0.024	0.034	3.39E-22	-0.059	0.043	0.172	0.003	93.852	TRUE	7.00E-16
COPD in never smokers	PELI3	rs34775878	A	G	0.092	0.015	0.086	1.17E-09	-0.017	0.026	0.516	0.001	37.022	TRUE	2.43E-07
COPD in never smokers	PELI3	rs491377	G	A	-0.132	0.014	0.100	6.40E-20	0.003	0.051	0.954	0.003	83.487	TRUE	3.39E-16
COPD in never smokers	PELI3	rs506028	G	A	-0.112	0.014	0.099	1.47E-16	0.013	0.029	0.652	0.002	68.200	TRUE	6.12E-13
COPD in never smokers	PELI3	rs556595	G	T	-0.059	0.008	0.467	2.77E-13	0.014	0.017	0.382	0.002	53.360	TRUE	7.45E-10
COPD in never smokers	PELI3	rs57634456	C	A	-0.258	0.009	0.256	6.74E-176	-0.036	0.019	0.064	0.025	799.504	TRUE	1.30E-131
COPD in never smokers	PELI3	rs662094	G	A	0.102	0.008	0.519	1.95E-36	0.009	0.016	0.567	0.005	158.910	TRUE	2.66E-28
COPD in never smokers	PELI3	rs72923011	C	A	0.197	0.018	0.058	2.89E-27	-0.044	0.036	0.222	0.004	116.979	TRUE	5.98E-20
COPD in never smokers	PELI3	rs72940579	T	C	-0.099	0.009	0.285	3.01E-28	-0.021	0.018	0.237	0.004	121.464	TRUE	9.16E-21
COPD in never smokers	PHIP	rs1415862	G	A	-0.112	0.019	0.048	1.70E-09	-0.036	0.038	0.344	0.001	36.293	TRUE	6.44E-07
COPD in never smokers	PHIP	rs142211567	T	G	0.164	0.014	0.098	9.67E-31	-0.033	0.026	0.213	0.004	132.859	TRUE	1.52E-22
COPD in never smokers	PHIP	rs148185647	A	G	-0.225	0.021	0.047	2.20E-27	0.025	0.038	0.508	0.004	117.524	TRUE	4.72E-21
COPD in never smokers	PHIP	rs151332844	T	C	-0.139	0.016	0.068	4.12E-18	-0.012	0.033	0.722	0.002	75.258	TRUE	2.68E-14
COPD in never smokers	PHIP	rs236879	G	T	-0.083	0.008	0.335	5.51E-23	0.020	0.017	0.241	0.003	97.450	TRUE	8.71E-17
COPD in never smokers	PHIP	rs56311661	T	C	-0.201	0.033	0.018	1.30E-09	0.010	0.059	0.864	0.001	36.811	TRUE	8.33E-08
COPD in never smokers	PHIP	rs71565021	A	G	0.122	0.020	0.050	1.30E-09	0.008	0.039	0.837	0.001	36.806	TRUE	9.09E-08
COPD in never smokers	PHIP	rs74603364	T	C	-0.199	0.026	0.028	1.75E-14	0.083	0.053	0.117	0.002	58.789	TRUE	6.70E-10
COPD in never smokers	PHIP	rs77023118	A	C	-0.283	0.032	0.020	1.74E-18	-0.030	0.054	0.581	0.002	76.960	TRUE	2.67E-14
COPD in never smokers	PHIP	rs78830482	T	C	0.110	0.014	0.089	3.61E-14	-0.055	0.031	0.070	0.002	57.368	TRUE	2.21E-09
COPD in never smokers	PHIP	rs79159779	G	A	-0.112	0.019	0.045	5.00E-09	0.073	0.039	0.061	0.001	34.188	TRUE	1.05E-05
COPD in never smokers	PHIP	rs9343792	T	C	-0.134	0.016	0.062	3.77E-16	0.046	0.033	0.165	0.002	66.350	TRUE	2.38E-11
COPD in never smokers	PHIP	rs9361459	G	A	-0.253	0.008	0.394	6.48E-219	0.036	0.017	0.030	0.031	997.371	TRUE	8.39E-163
COPD in never smokers	PHIP	rs9443616	G	A	0.138	0.014	0.092	1.21E-23	0.007	0.027	0.802	0.003	100.446	TRUE	7.63E-19
COPD in never smokers	PHKG2	rs62622830	C	T	-0.093	0.010	0.194	4.39E-20	0.013	0.020	0.493	0.003	84.231	TRUE	2.44E-15
COPD in never smokers	PHKG2	rs76359228	G	A	0.069	0.010	0.183	2.46E-11	-0.021	0.022	0.334	0.001	44.566	TRUE	2.82E-08
COPD in never smokers	PHKG2	rs9939417	T	C	0.059	0.008	0.371	5.85E-13	-0.033	0.017	0.053	0.002	51.894	TRUE	2.19E-08
COPD in never smokers	PIP4K2C	rs11172192	C	T	0.068	0.012	0.131	1.81E-08	0.046	0.025	0.061	0.001	31.688	TRUE	2.53E-05
COPD in never smokers	PIP4K2C	rs112067870	A	G	0.157	0.022	0.038	3.71E-13	0.005	0.038	0.898	0.002	52.789	TRUE	1.10E-10
COPD in never smokers	PIP4K2C	rs144791624	G	A	-0.211	0.030	0.023	2.29E-12	0.076	0.069	0.271	0.002	49.213	TRUE	6.77E-09
COPD in never smokers	PIP4K2C	rs33927108	C	T	-0.094	0.016	0.070	9.84E-09	-0.059	0.034	0.088	0.001	32.870	TRUE	1.19E-05
COPD in never smokers	PIP4K2C	rs473465	A	G	-0.055	0.009	0.254	2.17E-09	-0.031	0.019	0.110	0.001	35.813	TRUE	3.27E-06
COPD in never smokers	PIP4K2C	rs4760335	C	T	-0.057	0.008	0.332	1.50E-11	-0.066	0.018	1.74E-04	0.001	45.530	TRUE	1.19E-05
COPD in never smokers	PIP4K2C	rs7313599	G	A	0.122	0.008	0.412	7.13E-52	0.043	0.017	0.011	0.007	229.630	TRUE	1.70E-35
COPD in never smokers	PPT2	rs115461385	T	C	-0.247	0.043	0.057	1.10E-08	0.002	0.038	0.967	0.001	32.646	TRUE	3.39E-07
COPD in never smokers	PPT2	rs116180956	A	G	-0.180	0.032	0.126	1.65E-08	0.091	0.028	0.001	0.001	31.864	TRUE	3.15E-04
COPD in never smokers	PPT2	rs12153855	C	T	0.221	0.025	0.104	1.08E-18	-0.036	0.027	0.191	0.002	77.908	TRUE	2.37E-13
COPD in never smokers	PPT2	rs553108	A	G	0.170	0.016	0.378	4.03E-27	0.043	0.017	0.011	0.004	116.317	TRUE	1.54E-17
COPD in never smokers	PRELID1	rs11541335	A	G	-1.038	0.074	0.017	1.39E-44	-0.005	0.051	0.929	0.006	196.217	TRUE	7.44E-36
COPD in never smokers	PRELID1	rs12514939	C	A	-0.224	0.021	0.210	1.81E-25	-0.004	0.020	0.856	0.003	108.783	TRUE	2.03E-20

COPD in never smokers	PRELID1	rs142860121	A	G	-0.703	0.057	0.024	9.52E-35	0.030	0.049	0.539	0.005	151.182	TRUE	6.83E-27
COPD in never smokers	PRELID1	rs143511730	A	C	-0.400	0.054	0.037	1.85E-13	-0.007	0.046	0.878	0.002	54.157	TRUE	6.82E-11
COPD in never smokers	PRELID1	rs17077789	G	A	-0.886	0.065	0.018	2.84E-42	-0.112	0.065	0.084	0.006	185.629	TRUE	2.93E-30
COPD in never smokers	PRELID1	rs2306764	T	C	-0.443	0.050	0.034	8.78E-19	-0.076	0.061	0.215	0.002	78.310	TRUE	1.63E-13
COPD in never smokers	PRELID1	rs2731673	T	C	-0.290	0.020	0.280	1.97E-48	-0.015	0.019	0.427	0.007	213.855	TRUE	3.67E-37
COPD in never smokers	PRELID1	rs2962780	C	T	-0.274	0.043	0.047	1.34E-10	-0.051	0.041	0.220	0.001	41.247	TRUE	1.89E-07
COPD in never smokers	PRELID1	rs376618	C	T	0.293	0.020	0.238	7.36E-47	-0.025	0.019	0.203	0.006	206.645	TRUE	8.78E-35
COPD in never smokers	PRELID1	rs478253	T	C	0.113	0.020	0.343	1.59E-08	-0.013	0.018	0.480	0.001	31.938	TRUE	2.03E-06
COPD in never smokers	PRELID1	rs58674294	T	C	-0.356	0.041	0.049	2.18E-18	-0.048	0.040	0.228	0.002	76.516	TRUE	2.87E-13
COPD in never smokers	PRELID1	rs72813185	A	C	0.205	0.021	0.228	1.49E-22	0.062	0.020	0.001	0.003	95.483	TRUE	2.23E-13
COPD in never smokers	PRELID1	rs79590982	G	T	0.366	0.048	0.040	3.49E-14	0.017	0.043	0.699	0.002	57.432	TRUE	3.66E-11
COPD in never smokers	PRELID1	rs79989845	A	G	0.246	0.041	0.058	2.77E-09	-0.030	0.036	0.406	0.001	35.334	TRUE	7.17E-07
COPD in never smokers	PRKAB2	rs11240088	C	T	-0.196	0.013	0.303	4.22E-49	-0.041	0.018	0.026	0.007	216.917	TRUE	3.23E-34
COPD in never smokers	PRKAB2	rs115304965	C	T	0.493	0.036	0.035	1.62E-42	-0.061	0.038	0.106	0.006	186.748	TRUE	1.09E-30
COPD in never smokers	PRKAB2	rs11582521	T	G	-0.249	0.040	0.039	4.52E-10	-0.084	0.038	0.028	0.001	38.873	TRUE	3.98E-06
COPD in never smokers	PRKAB2	rs11800992	A	C	-0.188	0.018	0.131	6.96E-26	0.047	0.024	0.049	0.003	110.672	TRUE	1.24E-17
COPD in never smokers	PRKAB2	rs11807358	C	T	0.435	0.066	0.015	5.49E-11	0.118	0.074	0.111	0.001	42.991	TRUE	2.38E-07
COPD in never smokers	PRKAB2	rs12049533	T	C	0.279	0.028	0.108	1.51E-23	0.043	0.025	0.087	0.003	100.017	TRUE	2.43E-16
COPD in never smokers	PRKAB2	rs12728771	A	G	-0.094	0.016	0.158	7.52E-09	0.007	0.023	0.763	0.001	33.393	TRUE	4.57E-07
COPD in never smokers	PRKAB2	rs141325157	A	G	0.356	0.057	0.016	3.80E-10	0.072	0.061	0.239	0.001	39.210	TRUE	3.62E-07
COPD in never smokers	PRKAB2	rs145968033	T	C	-0.419	0.059	0.015	1.16E-12	0.001	0.063	0.990	0.002	50.546	TRUE	1.97E-10
COPD in never smokers	PRKAB2	rs147375941	A	G	0.410	0.059	0.016	4.38E-12	-0.096	0.076	0.209	0.002	47.944	TRUE	1.65E-08
COPD in never smokers	PRKAB2	rs17355830	C	T	-0.276	0.050	0.022	2.98E-08	-0.012	0.058	0.831	0.001	30.721	TRUE	1.11E-06
COPD in never smokers	PRKAB2	rs184164109	T	G	-0.450	0.054	0.018	1.03E-16	-0.037	0.074	0.619	0.002	68.899	TRUE	5.40E-13
COPD in never smokers	PRKAB2	rs188456167	A	C	-0.652	0.091	0.014	8.67E-13	-0.172	0.077	0.026	0.002	51.122	TRUE	5.94E-08
COPD in never smokers	PRKAB2	rs1969872	T	G	0.323	0.013	0.266	3.52E-134	-0.005	0.018	0.791	0.019	607.669	TRUE	2.47E-106
COPD in never smokers	PRKAB2	rs2101879	C	A	0.120	0.012	0.350	2.74E-22	0.018	0.017	0.293	0.003	94.271	TRUE	1.88E-16
COPD in never smokers	PRKAB2	rs594716	C	T	-0.302	0.035	0.029	1.76E-17	-0.026	0.045	0.568	0.002	72.392	TRUE	1.73E-13
COPD in never smokers	PRKAB2	rs74363403	G	T	0.355	0.029	0.043	4.68E-34	0.031	0.038	0.413	0.005	148.017	TRUE	6.25E-26
COPD in never smokers	PRKAB2	rs7517655	A	G	-0.350	0.012	0.429	2.41E-195	-0.042	0.017	0.013	0.027	888.956	TRUE	2.26E-143
COPD in never smokers	PRKAB2	rs7525162	G	A	-0.144	0.017	0.148	3.88E-18	-0.032	0.024	0.183	0.002	75.380	TRUE	6.66E-13
COPD in never smokers	PRKAB2	rs75435090	C	T	-0.348	0.023	0.073	1.06E-53	-0.055	0.032	0.089	0.007	238.014	TRUE	6.17E-39
COPD in never smokers	PRKAB2	rs76327000	C	T	0.492	0.056	0.016	2.11E-18	0.014	0.050	0.785	0.002	76.579	TRUE	1.18E-14
COPD in never smokers	PRKAB2	rs78166327	T	C	-0.432	0.063	0.017	7.77E-12	-0.014	0.075	0.851	0.001	46.821	TRUE	1.48E-09
COPD in never smokers	PRKCD	rs1131728	G	A	0.087	0.010	0.193	1.07E-17	-0.022	0.021	0.294	0.002	73.381	TRUE	5.68E-13
COPD in never smokers	PRKCD	rs114341624	C	T	0.210	0.033	0.018	2.41E-10	0.009	0.062	0.882	0.001	40.097	TRUE	2.05E-08
COPD in never smokers	PRKCD	rs12490667	A	G	-0.096	0.008	0.359	2.60E-31	-0.032	0.017	0.058	0.004	135.467	TRUE	9.69E-22
COPD in never smokers	PRKCD	rs2230494	A	G	0.204	0.009	0.272	3.57E-117	0.037	0.019	0.047	0.016	529.500	TRUE	3.11E-86
COPD in never smokers	PRKCD	rs2336722	G	A	0.059	0.008	0.408	3.79E-13	-0.024	0.017	0.162	0.002	52.745	TRUE	3.98E-09
COPD in never smokers	PRKCD	rs4687571	T	G	0.129	0.009	0.314	8.08E-52	0.036	0.017	0.037	0.007	229.381	TRUE	1.44E-36
COPD in never smokers	PRKCD	rs729660	T	G	0.175	0.018	0.055	3.04E-22	0.075	0.036	0.037	0.003	94.065	TRUE	8.47E-15
COPD in never smokers	PRKCD	rs7628245	T	C	-0.082	0.010	0.187	1.25E-15	0.001	0.022	0.956	0.002	63.990	TRUE	9.25E-13

COPD in never smokers	RAB7A	rs141344793	T	C	0.175	0.030	0.022	4.04E-09	0.073	0.059	0.218	0.001	34.603	TRUE	2.31E-06
COPD in never smokers	RAB7A	rs148983983	T	C	0.150	0.027	0.026	1.94E-08	0.028	0.055	0.617	0.001	31.551	TRUE	1.50E-06
COPD in never smokers	RAB7A	rs61746488	C	T	0.169	0.017	0.058	4.21E-22	0.000	0.034	0.998	0.003	93.421	TRUE	4.89E-18
COPD in never smokers	RAB7A	rs6764912	A	G	-0.131	0.020	0.048	5.98E-11	0.006	0.034	0.850	0.001	42.824	TRUE	7.52E-09
COPD in never smokers	RAB7A	rs6765218	G	A	0.067	0.010	0.215	1.42E-10	-0.009	0.019	0.625	0.001	41.129	TRUE	3.23E-08
COPD in never smokers	RAB7A	rs9827249	A	G	-0.111	0.012	0.119	1.57E-19	-0.011	0.028	0.696	0.003	81.708	TRUE	2.31E-15
COPD in never smokers	RNF41	rs12229022	C	T	-0.115	0.013	0.109	3.32E-19	-0.009	0.025	0.733	0.003	80.234	TRUE	3.49E-15
COPD in never smokers	RNF41	rs2292238	C	A	0.045	0.008	0.401	2.35E-08	0.065	0.017	9.51E-05	0.001	31.181	TRUE	0.001
COPD in never smokers	RNF41	rs73342303	A	G	-0.176	0.030	0.020	2.60E-09	-0.061	0.060	0.304	0.001	35.457	TRUE	1.07E-06
COPD in never smokers	RNF41	rs75995312	A	C	0.290	0.035	0.017	1.13E-16	0.091	0.064	0.157	0.002	68.723	TRUE	1.07E-11
COPD in never smokers	RNF5	rs2442719	C	T	0.121	0.017	0.456	2.90E-13	-0.052	0.017	0.002	0.002	53.272	TRUE	2.47E-07
COPD in never smokers	RNF5	rs3115672	T	C	-0.323	0.033	0.102	3.12E-22	0.151	0.023	7.73E-11	0.003	94.014	TRUE	6.73E-09
COPD in never smokers	RNF5	rs62402717	A	G	0.656	0.063	0.027	2.15E-25	0.006	0.045	0.885	0.003	108.432	TRUE	2.01E-20
COPD in never smokers	RNF5	rs9264227	G	A	0.149	0.023	0.223	6.46E-11	0.000	0.020	0.992	0.001	42.672	TRUE	4.98E-09
COPD in never smokers	RNF5	rs9267653	T	C	0.101	0.018	0.280	2.06E-08	-0.037	0.018	0.040	0.001	31.434	TRUE	3.90E-05
COPD in never smokers	RNF5	rs9272560	C	T	-0.210	0.026	0.237	6.29E-16	0.158	0.020	8.31E-16	0.002	65.340	TRUE	2.44E-04
COPD in never smokers	RNF5	rs9273493	T	C	0.163	0.019	0.439	2.33E-17	-0.102	0.017	2.26E-09	0.002	71.834	TRUE	7.84E-07
COPD in never smokers	RPL8	rs10107337	T	C	-0.227	0.012	0.157	2.17E-75	0.018	0.022	0.434	0.011	337.542	TRUE	3.12E-58
COPD in never smokers	RPL8	rs111281369	T	C	0.128	0.016	0.120	7.95E-16	-0.010	0.024	0.667	0.002	64.880	TRUE	2.15E-12
COPD in never smokers	RPL8	rs112105560	A	G	0.362	0.049	0.022	1.44E-13	0.008	0.063	0.894	0.002	54.644	TRUE	5.27E-11
COPD in never smokers	RPL8	rs112376426	G	A	0.275	0.020	0.065	1.19E-44	-0.004	0.031	0.893	0.006	196.519	TRUE	8.49E-36
COPD in never smokers	RPL8	rs112438631	C	T	0.445	0.032	0.020	2.76E-43	0.029	0.049	0.560	0.006	190.268	TRUE	1.19E-33
COPD in never smokers	RPL8	rs112595439	T	C	-0.167	0.030	0.058	1.55E-08	-0.065	0.056	0.246	0.001	31.981	TRUE	5.31E-06
COPD in never smokers	RPL8	rs112768485	G	A	-0.424	0.018	0.060	1.64E-119	0.013	0.030	0.675	0.017	540.251	TRUE	3.82E-94
COPD in never smokers	RPL8	rs113284751	C	T	0.251	0.020	0.046	1.61E-36	-0.051	0.042	0.221	0.005	159.284	TRUE	5.48E-27
COPD in never smokers	RPL8	rs113345124	C	T	0.180	0.032	0.021	1.99E-08	-0.060	0.064	0.349	0.001	31.499	TRUE	3.97E-06
COPD in never smokers	RPL8	rs115705812	T	C	-0.279	0.035	0.029	9.54E-16	0.038	0.085	0.651	0.002	64.519	TRUE	2.65E-12
COPD in never smokers	RPL8	rs116095837	A	G	0.315	0.029	0.039	5.69E-27	-0.033	0.042	0.432	0.004	115.637	TRUE	1.67E-20
COPD in never smokers	RPL8	rs117115695	C	T	-0.412	0.038	0.027	1.57E-27	0.004	0.048	0.928	0.004	118.189	TRUE	3.14E-22
COPD in never smokers	RPL8	rs12681727	A	G	0.147	0.012	0.131	4.30E-34	-0.034	0.025	0.172	0.005	148.186	TRUE	7.53E-25
COPD in never smokers	RPL8	rs13282885	G	T	0.458	0.053	0.016	1.11E-17	0.035	0.082	0.672	0.002	73.296	TRUE	7.38E-14
COPD in never smokers	RPL8	rs138582829	T	C	0.459	0.043	0.019	1.55E-26	0.051	0.054	0.348	0.004	113.654	TRUE	6.79E-20
COPD in never smokers	RPL8	rs139903745	A	G	-0.230	0.040	0.022	8.73E-09	0.046	0.050	0.358	0.001	33.104	TRUE	2.07E-06
COPD in never smokers	RPL8	rs140570669	T	C	0.552	0.065	0.023	1.39E-17	-0.154	0.059	0.009	0.002	72.852	TRUE	8.63E-11
COPD in never smokers	RPL8	rs142331357	T	C	-0.312	0.039	0.021	8.55E-16	0.059	0.052	0.256	0.002	64.734	TRUE	2.04E-11
COPD in never smokers	RPL8	rs142457018	A	G	0.244	0.044	0.022	2.16E-08	-0.020	0.049	0.682	0.001	31.340	TRUE	1.34E-06
COPD in never smokers	RPL8	rs144646549	C	T	-0.181	0.031	0.035	5.82E-09	-0.052	0.042	0.208	0.001	33.891	TRUE	3.20E-06
COPD in never smokers	RPL8	rs145334494	A	G	-0.323	0.049	0.015	5.52E-11	0.039	0.052	0.453	0.001	42.981	TRUE	3.01E-08
COPD in never smokers	RPL8	rs1735172	A	G	-0.106	0.012	0.395	3.43E-19	0.033	0.018	0.076	0.003	80.170	TRUE	4.78E-13
COPD in never smokers	RPL8	rs182744657	T	C	-0.223	0.032	0.031	2.95E-12	0.002	0.043	0.965	0.002	48.717	TRUE	4.56E-10
COPD in never smokers	RPL8	rs191487111	T	C	0.438	0.077	0.016	1.41E-08	-0.020	0.077	0.796	0.001	32.174	TRUE	6.78E-07
COPD in never smokers	RPL8	rs2242270	C	A	0.131	0.010	0.465	3.65E-40	-0.019	0.017	0.250	0.006	175.977	TRUE	6.17E-30

COPD in never smokers	RPL8	rs2467663	C	T	0.381	0.008	0.374	0.00E+00	-0.048	0.017	0.006	0.062	2109.588	TRUE	0.00E+00
COPD in never smokers	RPL8	rs2727226	C	T	-0.382	0.014	0.101	4.12E-164	0.026	0.024	0.275	0.023	745.299	TRUE	4.37E-126
COPD in never smokers	RPL8	rs2928381	T	C	-0.163	0.021	0.069	5.24E-15	0.025	0.029	0.395	0.002	61.164	TRUE	3.39E-11
COPD in never smokers	RPL8	rs2955212	A	C	0.417	0.024	0.076	3.61E-66	-0.029	0.030	0.331	0.009	295.209	TRUE	1.76E-50
COPD in never smokers	RPL8	rs2955226	T	C	0.329	0.013	0.103	5.72E-133	-0.007	0.027	0.795	0.019	602.102	TRUE	2.10E-105
COPD in never smokers	RPL8	rs2956346	G	A	0.209	0.036	0.041	3.83E-09	0.017	0.036	0.644	0.001	34.706	TRUE	3.91E-07
COPD in never smokers	RPL8	rs2979075	T	C	-0.104	0.013	0.396	2.02E-16	0.020	0.018	0.280	0.002	67.575	TRUE	5.81E-12
COPD in never smokers	RPL8	rs34838254	A	G	0.478	0.012	0.134	0.00E+00	-0.008	0.021	0.723	0.050	1655.358	TRUE	1.13E-283
COPD in never smokers	RPL8	rs35571769	T	C	-0.440	0.017	0.069	6.83E-141	0.022	0.032	0.479	0.020	638.532	TRUE	1.02E-109
COPD in never smokers	RPL8	rs4925840	G	A	0.213	0.016	0.188	7.39E-43	-0.024	0.022	0.271	0.006	188.309	TRUE	4.10E-32
COPD in never smokers	RPL8	rs4925850	C	T	-0.170	0.016	0.328	7.94E-27	0.019	0.020	0.340	0.004	114.976	TRUE	4.32E-20
COPD in never smokers	RPL8	rs62531477	T	C	0.498	0.087	0.016	8.74E-09	0.128	0.067	0.056	0.001	33.102	TRUE	1.67E-05
COPD in never smokers	RPL8	rs62531554	T	C	-0.326	0.043	0.017	1.66E-14	0.051	0.051	0.315	0.002	58.899	TRUE	1.28E-10
COPD in never smokers	RPL8	rs7005791	C	T	0.190	0.022	0.064	1.79E-17	0.012	0.036	0.727	0.002	72.361	TRUE	8.32E-14
COPD in never smokers	RPL8	rs72697666	G	A	-0.207	0.009	0.403	3.42E-128	0.038	0.017	0.024	0.018	580.146	TRUE	1.52E-93
COPD in never smokers	RPL8	rs72699313	C	A	-0.391	0.014	0.092	7.56E-173	0.026	0.026	0.319	0.024	785.480	TRUE	2.63E-133
COPD in never smokers	RPL8	rs76796475	A	G	-0.437	0.019	0.059	4.84E-120	-0.031	0.036	0.397	0.017	542.679	TRUE	7.37E-93
COPD in never smokers	RPL8	rs77075889	T	C	-0.250	0.024	0.032	7.77E-25	-0.014	0.051	0.783	0.003	105.889	TRUE	9.56E-20
COPD in never smokers	RPL8	rs77437860	A	G	-0.057	0.010	0.347	2.61E-08	-0.005	0.017	0.764	0.001	30.979	TRUE	1.21E-06
COPD in never smokers	RPL8	rs7820104	A	G	-0.176	0.030	0.022	2.54E-09	-0.070	0.062	0.259	0.001	35.503	TRUE	1.32E-06
COPD in never smokers	RPL8	rs7839569	G	A	0.335	0.027	0.026	3.41E-35	-0.115	0.051	0.024	0.005	153.220	TRUE	6.54E-24
COPD in never smokers	RPL8	rs9987144	T	C	0.271	0.037	0.025	3.13E-13	0.002	0.048	0.970	0.002	53.123	TRUE	7.38E-11
COPD in never smokers	RPN1	rs10934860	A	G	-0.087	0.015	0.421	2.01E-09	0.007	0.021	0.736	0.001	35.962	TRUE	1.76E-07
COPD in never smokers	RPN1	rs113127216	G	A	0.179	0.022	0.042	3.41E-16	-0.052	0.041	0.209	0.002	66.549	TRUE	1.48E-11
COPD in never smokers	RPN1	rs114093475	T	C	0.145	0.026	0.036	3.13E-08	-0.025	0.044	0.569	0.001	30.626	TRUE	2.53E-06
COPD in never smokers	RPN1	rs114713783	G	A	-0.255	0.020	0.058	7.21E-38	0.022	0.034	0.505	0.005	165.463	TRUE	3.22E-29
COPD in never smokers	RPN1	rs11713343	A	G	0.071	0.011	0.184	4.57E-10	-0.010	0.021	0.634	0.001	38.850	TRUE	7.75E-08
COPD in never smokers	RPN1	rs12488487	A	G	0.088	0.011	0.213	1.18E-16	0.000	0.019	0.989	0.002	68.641	TRUE	1.21E-13
COPD in never smokers	RPN1	rs12496557	A	G	0.163	0.025	0.040	1.26E-10	0.036	0.039	0.353	0.001	41.363	TRUE	8.81E-08
COPD in never smokers	RPN1	rs142281314	G	A	-0.093	0.016	0.094	9.43E-09	0.039	0.026	0.125	0.001	32.952	TRUE	8.10E-06
COPD in never smokers	RPN1	rs2659685	A	G	0.082	0.010	0.264	9.35E-17	-0.040	0.019	0.038	0.002	69.098	TRUE	6.68E-11
COPD in never smokers	RPN1	rs2734048	A	G	-0.093	0.011	0.261	2.62E-17	0.036	0.018	0.051	0.002	71.607	TRUE	1.88E-11
COPD in never smokers	RPN1	rs28441511	C	A	-0.678	0.028	0.027	2.44E-130	0.052	0.042	0.218	0.018	590.016	TRUE	2.60E-99
COPD in never smokers	RPN1	rs34198449	A	G	0.246	0.010	0.266	1.46E-141	-0.039	0.019	0.037	0.020	641.609	TRUE	2.14E-104
COPD in never smokers	RPN1	rs35678511	A	G	-0.085	0.009	0.441	2.30E-22	0.008	0.016	0.612	0.003	94.624	TRUE	2.11E-17
COPD in never smokers	RPN1	rs55683935	G	T	0.464	0.022	0.045	4.53E-98	-0.089	0.044	0.043	0.014	441.710	TRUE	1.39E-71
COPD in never smokers	RPN1	rs62266955	G	A	0.165	0.018	0.070	7.00E-20	-0.012	0.029	0.682	0.003	83.308	TRUE	1.31E-15
COPD in never smokers	RPN1	rs62270945	T	C	-0.179	0.030	0.025	2.37E-09	-0.023	0.051	0.649	0.001	35.641	TRUE	2.65E-07
COPD in never smokers	RPN1	rs6765218	G	A	-0.269	0.011	0.215	2.51E-122	-0.009	0.019	0.625	0.017	553.187	TRUE	4.45E-96
COPD in never smokers	RPN1	rs73202222	T	C	0.064	0.009	0.345	1.98E-12	-0.002	0.017	0.889	0.002	49.497	TRUE	4.35E-10
COPD in never smokers	RPN1	rs73864832	T	C	-0.158	0.025	0.032	2.35E-10	-0.043	0.041	0.298	0.001	40.147	TRUE	1.84E-07
COPD in never smokers	RPN1	rs7614323	T	C	-0.095	0.015	0.101	1.39E-10	0.043	0.028	0.122	0.001	41.181	TRUE	4.11E-07

COPD in never smokers	RPN1	rs9819775	C	T	-0.283	0.033	0.021	2.25E-17	-0.043	0.071	0.546	0.002	71.906	TRUE	2.34E-13
COPD in never smokers	RRAGD	rs1055403	A	G	0.121	0.011	0.158	8.47E-29	-0.005	0.022	0.806	0.004	123.981	TRUE	6.06E-23
COPD in never smokers	RRAGD	rs112239906	A	G	0.252	0.025	0.028	7.18E-24	0.009	0.047	0.841	0.003	101.484	TRUE	4.13E-19
COPD in never smokers	RRAGD	rs113458269	A	G	0.342	0.025	0.028	5.56E-43	-0.009	0.055	0.869	0.006	188.874	TRUE	2.14E-34
COPD in never smokers	RRAGD	rs116977633	G	A	0.127	0.021	0.042	9.63E-10	-0.018	0.038	0.638	0.001	37.396	TRUE	1.36E-07
COPD in never smokers	RRAGD	rs117173006	C	T	-0.102	0.018	0.054	2.43E-08	-0.001	0.034	0.975	0.001	31.117	TRUE	6.23E-07
COPD in never smokers	RRAGD	rs117199467	G	A	-0.337	0.038	0.016	2.60E-19	-0.024	0.069	0.724	0.003	80.714	TRUE	3.00E-15
COPD in never smokers	RRAGD	rs117243822	C	T	0.266	0.038	0.014	2.32E-12	0.030	0.065	0.648	0.002	49.193	TRUE	1.19E-09
COPD in never smokers	RRAGD	rs11752357	T	C	-0.092	0.008	0.323	2.84E-27	0.001	0.017	0.937	0.004	117.013	TRUE	4.79E-22
COPD in never smokers	RRAGD	rs11759650	T	C	0.097	0.009	0.297	3.46E-29	-0.021	0.018	0.238	0.004	125.759	TRUE	1.75E-21
COPD in never smokers	RRAGD	rs118045883	G	A	-0.251	0.038	0.016	4.97E-11	0.025	0.070	0.723	0.001	43.186	TRUE	1.00E-08
COPD in never smokers	RRAGD	rs1209055	T	C	0.208	0.011	0.168	1.21E-86	0.022	0.023	0.336	0.012	389.218	TRUE	2.02E-66
COPD in never smokers	RRAGD	rs1217337	C	A	-0.072	0.011	0.164	2.65E-11	0.007	0.023	0.760	0.001	44.414	TRUE	5.38E-09
COPD in never smokers	RRAGD	rs12198870	T	C	0.121	0.015	0.076	7.49E-16	0.073	0.030	0.014	0.002	64.995	TRUE	8.87E-10
COPD in never smokers	RRAGD	rs12206737	G	A	-0.048	0.008	0.391	6.07E-09	0.001	0.017	0.957	0.001	33.810	TRUE	2.15E-07
COPD in never smokers	RRAGD	rs12210841	A	G	0.428	0.033	0.017	7.60E-39	-0.080	0.072	0.270	0.005	169.938	TRUE	4.98E-29
COPD in never smokers	RRAGD	rs12661122	A	G	-0.143	0.009	0.294	5.16E-61	-0.011	0.018	0.529	0.008	271.553	TRUE	1.98E-47
COPD in never smokers	RRAGD	rs13209146	A	G	-0.404	0.010	0.181	0.00E+00	-0.005	0.022	0.827	0.048	1602.309	TRUE	1.09E-275
COPD in never smokers	RRAGD	rs140777868	T	C	0.425	0.029	0.021	1.66E-47	0.012	0.057	0.841	0.007	209.604	TRUE	6.62E-38
COPD in never smokers	RRAGD	rs140933375	G	A	0.212	0.037	0.015	7.07E-09	0.041	0.056	0.466	0.001	33.513	TRUE	1.16E-06
COPD in never smokers	RRAGD	rs142849372	A	G	0.124	0.022	0.038	1.44E-08	-0.001	0.054	0.985	0.001	32.133	TRUE	3.97E-07
COPD in never smokers	RRAGD	rs143082129	G	A	0.744	0.117	0.022	2.02E-10	0.065	0.120	0.590	0.001	40.445	TRUE	4.80E-08
COPD in never smokers	RRAGD	rs145877894	T	G	0.458	0.028	0.022	2.77E-58	0.147	0.057	0.010	0.008	259.033	TRUE	4.40E-40
COPD in never smokers	RRAGD	rs149610194	A	G	-0.346	0.029	0.021	3.53E-32	-0.101	0.079	0.204	0.004	139.430	TRUE	1.39E-23
COPD in never smokers	RRAGD	rs149830477	G	T	0.076	0.011	0.146	1.60E-11	-0.006	0.023	0.787	0.001	45.403	TRUE	3.28E-09
COPD in never smokers	RRAGD	rs16881113	A	C	0.116	0.015	0.075	1.06E-14	-0.051	0.032	0.111	0.002	59.786	TRUE	5.02E-10
COPD in never smokers	RRAGD	rs16881774	C	T	-0.199	0.010	0.194	4.46E-88	-0.006	0.020	0.783	0.012	395.804	TRUE	7.25E-70
COPD in never smokers	RRAGD	rs16882205	T	C	-0.153	0.021	0.040	1.93E-13	-0.085	0.040	0.033	0.002	54.075	TRUE	1.69E-08
COPD in never smokers	RRAGD	rs17741627	A	G	-0.196	0.013	0.100	1.00E-48	-0.052	0.027	0.059	0.007	215.200	TRUE	9.98E-35
COPD in never smokers	RRAGD	rs186683559	T	C	0.154	0.024	0.032	1.52E-10	0.031	0.046	0.500	0.001	40.996	TRUE	5.41E-08
COPD in never smokers	RRAGD	rs1923418	C	A	0.053	0.009	0.508	6.18E-10	0.005	0.017	0.753	0.001	38.262	TRUE	6.59E-08
COPD in never smokers	RRAGD	rs1998576	A	G	0.421	0.010	0.191	0.00E+00	0.021	0.021	0.308	0.055	1837.776	TRUE	0.00E+00
COPD in never smokers	RRAGD	rs2038338	A	G	-0.206	0.008	0.344	2.23E-136	-0.011	0.017	0.510	0.019	617.781	TRUE	2.15E-106
COPD in never smokers	RRAGD	rs2150816	G	A	-0.116	0.009	0.285	6.24E-40	-0.018	0.019	0.336	0.005	174.906	TRUE	3.57E-30
COPD in never smokers	RRAGD	rs2304895	T	C	0.083	0.012	0.115	2.54E-11	0.020	0.023	0.383	0.001	44.497	TRUE	2.29E-08
COPD in never smokers	RRAGD	rs2325181	C	T	-0.124	0.010	0.209	2.61E-37	0.009	0.020	0.668	0.005	162.903	TRUE	2.68E-29
COPD in never smokers	RRAGD	rs3777518	A	G	0.119	0.008	0.352	1.10E-46	0.012	0.017	0.501	0.006	205.848	TRUE	4.26E-36
COPD in never smokers	RRAGD	rs3798789	A	G	0.120	0.013	0.108	6.44E-20	-0.038	0.028	0.166	0.003	83.473	TRUE	3.77E-14
COPD in never smokers	RRAGD	rs4593337	A	G	0.269	0.012	0.136	3.00E-119	0.056	0.024	0.020	0.017	539.041	TRUE	1.67E-86
COPD in never smokers	RRAGD	rs4706338	G	A	-0.111	0.009	0.337	2.07E-38	0.011	0.018	0.544	0.005	167.941	TRUE	8.93E-30
COPD in never smokers	RRAGD	rs55809194	G	A	-0.204	0.018	0.055	1.14E-28	0.014	0.033	0.670	0.004	123.398	TRUE	1.69E-22
COPD in never smokers	RRAGD	rs62415374	T	C	-0.165	0.028	0.022	2.26E-09	-0.008	0.053	0.877	0.001	35.729	TRUE	1.25E-07

COPD in never smokers	RRAGD	rs68109049	T	C	-0.068	0.008	0.446	2.26E-17	0.020	0.017	0.236	0.002	71.902	TRUE	1.56E-12
COPD in never smokers	RRAGD	rs6939202	G	A	-0.080	0.012	0.128	2.19E-11	0.007	0.026	0.786	0.001	44.793	TRUE	4.21E-09
COPD in never smokers	RRAGD	rs72913764	C	T	-0.253	0.022	0.036	5.79E-30	0.023	0.043	0.591	0.004	129.305	TRUE	2.67E-23
COPD in never smokers	RRAGD	rs75386964	G	A	-0.200	0.031	0.019	6.52E-11	-0.091	0.067	0.177	0.001	42.654	TRUE	1.50E-07
COPD in never smokers	RRAGD	rs77269634	A	C	0.351	0.035	0.017	3.33E-23	0.025	0.065	0.702	0.003	98.448	TRUE	2.86E-18
COPD in never smokers	RRAGD	rs78329749	A	G	-0.174	0.023	0.034	1.10E-13	-0.065	0.048	0.176	0.002	55.175	TRUE	1.41E-09
COPD in never smokers	RRAGD	rs79206956	A	G	0.303	0.034	0.018	1.41E-19	0.031	0.054	0.569	0.003	81.919	TRUE	4.02E-15
COPD in never smokers	RRAGD	rs854908	A	C	-0.138	0.018	0.057	7.36E-15	-0.030	0.035	0.393	0.002	60.497	TRUE	4.45E-11
COPD in never smokers	RRAGD	rs854923	A	G	0.319	0.015	0.080	1.34E-101	0.014	0.030	0.627	0.014	457.922	TRUE	8.72E-80
COPD in never smokers	RRAGD	rs9342188	C	T	0.092	0.015	0.084	6.56E-10	-0.045	0.029	0.118	0.001	38.145	TRUE	1.31E-06
COPD in never smokers	RRAGD	rs9344921	G	A	-0.166	0.008	0.358	2.15E-90	-0.031	0.017	0.068	0.013	406.448	TRUE	1.96E-66
COPD in never smokers	RRAGD	rs9451248	T	C	0.150	0.020	0.043	3.10E-14	0.030	0.048	0.536	0.002	57.665	TRUE	6.66E-11
COPD in never smokers	RRAGD	rs9451249	C	T	-0.071	0.010	0.181	5.51E-12	-0.037	0.022	0.099	0.001	47.494	TRUE	5.30E-08
COPD in never smokers	SAT2	rs112982019	C	T	0.296	0.024	0.031	9.87E-36	-0.029	0.044	0.513	0.005	155.686	TRUE	1.41E-27
COPD in never smokers	SAT2	rs12940247	G	A	0.172	0.012	0.238	1.25E-44	-0.001	0.018	0.959	0.006	196.419	TRUE	5.56E-36
COPD in never smokers	SAT2	rs12946592	A	G	-0.073	0.010	0.202	1.61E-13	-0.027	0.020	0.191	0.002	54.428	TRUE	1.65E-09
COPD in never smokers	SAT2	rs138886864	C	A	0.190	0.029	0.024	9.67E-11	-0.039	0.060	0.518	0.001	41.884	TRUE	3.56E-08
COPD in never smokers	SAT2	rs17607	A	G	0.276	0.021	0.046	5.02E-40	-0.009	0.040	0.815	0.006	175.339	TRUE	6.96E-32
COPD in never smokers	SAT2	rs35721044	T	C	-0.153	0.011	0.170	6.44E-43	0.061	0.021	0.003	0.006	188.584	TRUE	4.44E-28
COPD in never smokers	SAT2	rs4265881	T	C	-0.061	0.010	0.225	1.47E-10	0.012	0.020	0.562	0.001	41.070	TRUE	4.16E-08
COPD in never smokers	SAT2	rs55662831	A	G	-0.100	0.009	0.344	2.36E-31	0.031	0.017	0.066	0.004	135.658	TRUE	6.94E-22
COPD in never smokers	SAT2	rs55956545	T	C	0.153	0.021	0.044	4.19E-13	0.044	0.047	0.346	0.002	52.548	TRUE	1.23E-09
COPD in never smokers	SAT2	rs60370790	A	G	0.071	0.008	0.332	4.04E-17	-0.011	0.017	0.517	0.002	70.754	TRUE	4.25E-13
COPD in never smokers	SAT2	rs61627308	G	A	0.150	0.014	0.096	1.88E-27	0.006	0.029	0.826	0.004	117.831	TRUE	6.34E-22
COPD in never smokers	SAT2	rs7209048	A	C	0.083	0.013	0.110	1.09E-10	-0.026	0.026	0.318	0.001	41.647	TRUE	9.38E-08
COPD in never smokers	SAT2	rs72841482	T	C	0.087	0.014	0.093	2.07E-09	-0.033	0.027	0.224	0.001	35.904	TRUE	1.38E-06
COPD in never smokers	SAT2	rs75166195	A	C	0.195	0.020	0.043	1.04E-22	-0.076	0.043	0.076	0.003	96.199	TRUE	1.29E-15
COPD in never smokers	SAT2	rs77697176	A	G	-0.165	0.020	0.048	3.32E-17	0.026	0.037	0.478	0.002	71.138	TRUE	4.47E-13
COPD in never smokers	SAT2	rs78496430	G	A	-0.151	0.020	0.048	4.33E-14	0.078	0.036	0.030	0.002	57.008	TRUE	6.69E-09
COPD in never smokers	SAT2	rs8075482	C	A	0.155	0.018	0.059	1.79E-18	-0.062	0.036	0.091	0.002	76.905	TRUE	1.20E-12
COPD in never smokers	SAT2	rs858520	T	C	0.275	0.008	0.394	4.84E-260	-0.048	0.017	0.005	0.036	1186.583	TRUE	2.00E-190
COPD in never smokers	SAT2	rs9899183	C	T	-0.172	0.009	0.253	1.83E-79	0.020	0.018	0.290	0.011	356.244	TRUE	1.57E-60
COPD in never smokers	SAT2	rs9907657	T	G	-0.107	0.011	0.148	1.16E-21	0.057	0.022	0.009	0.003	91.426	TRUE	1.35E-13
COPD in never smokers	SESN1	rs10457183	T	C	0.063	0.010	0.187	1.12E-09	0.044	0.022	0.042	0.001	37.100	TRUE	5.28E-06
COPD in never smokers	SESN1	rs11153123	G	A	0.053	0.009	0.299	2.93E-09	-0.011	0.020	0.565	0.001	35.229	TRUE	4.14E-07
COPD in never smokers	SESN1	rs117323902	A	G	0.557	0.032	0.019	7.04E-66	0.045	0.055	0.413	0.009	293.879	TRUE	1.07E-50
COPD in never smokers	SESN1	rs1327470	T	C	0.129	0.010	0.208	4.57E-40	0.062	0.020	0.002	0.006	175.524	TRUE	7.21E-26
COPD in never smokers	SESN1	rs138918444	A	G	0.594	0.042	0.014	1.35E-44	-0.095	0.072	0.190	0.006	196.268	TRUE	5.77E-33
COPD in never smokers	SESN1	rs2050310	C	T	0.154	0.008	0.343	2.95E-76	-0.041	0.017	0.017	0.011	341.518	TRUE	5.81E-54
COPD in never smokers	SESN1	rs2140034	T	C	-0.071	0.010	0.191	7.70E-12	-0.007	0.023	0.757	0.001	46.838	TRUE	2.05E-09
COPD in never smokers	SESN1	rs2768548	C	T	0.160	0.009	0.244	3.38E-67	-0.023	0.020	0.240	0.009	299.931	TRUE	1.10E-50
COPD in never smokers	SESN1	rs2768561	A	G	-0.090	0.010	0.184	1.17E-18	-0.035	0.021	0.099	0.002	77.741	TRUE	7.74E-13

COPD in never smokers	SESN1	rs351738	C	T	-0.060	0.009	0.302	1.64E-11	0.021	0.018	0.237	0.001	45.360	TRUE	3.60E-08
COPD in never smokers	SESN1	rs35629606	T	C	-0.096	0.015	0.103	2.63E-10	-0.035	0.029	0.220	0.001	39.932	TRUE	3.10E-07
COPD in never smokers	SESN1	rs35740192	T	C	-0.100	0.010	0.210	4.98E-22	0.009	0.020	0.669	0.003	93.090	TRUE	2.86E-17
COPD in never smokers	SESN1	rs3941888	A	G	0.099	0.009	0.315	8.03E-31	-0.005	0.018	0.764	0.004	133.228	TRUE	1.93E-24
COPD in never smokers	SESN1	rs554244	T	C	0.079	0.008	0.461	6.46E-22	0.008	0.017	0.616	0.003	92.577	TRUE	4.63E-17
COPD in never smokers	SESN1	rs574815	G	A	0.203	0.017	0.063	3.38E-34	-0.037	0.041	0.367	0.005	148.664	TRUE	7.22E-26
COPD in never smokers	SESN1	rs6938859	C	T	0.235	0.029	0.027	1.97E-16	-0.095	0.052	0.069	0.002	67.627	TRUE	5.39E-11
COPD in never smokers	SESN1	rs75222113	C	T	-0.118	0.015	0.081	2.21E-14	0.042	0.028	0.132	0.002	58.332	TRUE	6.68E-10
COPD in never smokers	SESN1	rs75352535	G	A	0.222	0.016	0.074	3.06E-45	-0.006	0.033	0.854	0.006	199.226	TRUE	3.80E-36
COPD in never smokers	SESN1	rs75576199	G	A	0.567	0.030	0.020	4.50E-82	-0.053	0.069	0.439	0.011	368.224	TRUE	1.76E-63
COPD in never smokers	SESN1	rs76192723	A	G	0.330	0.031	0.018	5.84E-27	0.055	0.062	0.380	0.004	115.586	TRUE	2.50E-20
COPD in never smokers	SESN1	rs9400329	G	T	0.101	0.014	0.101	2.71E-12	-0.011	0.024	0.655	0.002	48.885	TRUE	1.31E-09
COPD in never smokers	SESN1	rs9486939	G	A	0.285	0.044	0.015	1.41E-10	-0.068	0.072	0.345	0.001	41.147	TRUE	9.92E-08
COPD in never smokers	SESN3	rs10831284	G	A	0.069	0.011	0.141	1.85E-09	0.007	0.024	0.759	0.001	36.120	TRUE	1.53E-07
COPD in never smokers	SESN3	rs111408022	T	G	0.185	0.030	0.023	4.03E-10	-0.045	0.052	0.389	0.001	39.095	TRUE	1.79E-07
COPD in never smokers	SESN3	rs113331984	A	G	0.476	0.039	0.014	6.20E-35	-0.097	0.076	0.202	0.005	152.034	TRUE	1.14E-25
COPD in never smokers	SESN3	rs117799224	G	A	-0.243	0.044	0.012	4.36E-08	-0.181	0.087	0.038	0.001	29.980	TRUE	6.72E-05
COPD in never smokers	SESN3	rs12361129	A	C	-0.131	0.022	0.037	5.11E-09	0.037	0.039	0.346	0.001	34.143	TRUE	1.46E-06
COPD in never smokers	SESN3	rs12365296	T	G	-0.136	0.012	0.135	2.28E-31	0.003	0.024	0.907	0.004	135.727	TRUE	3.03E-25
COPD in never smokers	SESN3	rs12574604	A	G	0.136	0.010	0.205	1.83E-43	0.021	0.020	0.308	0.006	191.092	TRUE	9.06E-33
COPD in never smokers	SESN3	rs12788593	T	C	0.216	0.026	0.027	1.31E-16	-0.017	0.050	0.738	0.002	68.432	TRUE	3.81E-13
COPD in never smokers	SESN3	rs141179605	A	G	0.242	0.041	0.015	2.50E-09	0.141	0.071	0.047	0.001	35.534	TRUE	8.30E-06
COPD in never smokers	SESN3	rs143649045	G	T	0.256	0.032	0.018	1.08E-15	0.050	0.062	0.418	0.002	64.281	TRUE	8.94E-12
COPD in never smokers	SESN3	rs17620943	C	A	0.208	0.026	0.027	1.10E-15	0.038	0.052	0.467	0.002	64.242	TRUE	7.03E-12
COPD in never smokers	SESN3	rs188422431	A	C	0.274	0.024	0.031	1.30E-29	-0.021	0.054	0.699	0.004	127.695	TRUE	2.57E-23
COPD in never smokers	SESN3	rs2155239	C	A	0.107	0.016	0.073	6.71E-11	0.029	0.032	0.360	0.001	42.599	TRUE	5.28E-08
COPD in never smokers	SESN3	rs2266126	G	A	0.054	0.010	0.305	4.92E-08	0.009	0.020	0.629	0.001	29.744	TRUE	2.98E-06
COPD in never smokers	SESN3	rs2850626	T	C	-0.072	0.008	0.447	2.99E-19	0.006	0.016	0.711	0.003	80.441	TRUE	3.57E-15
COPD in never smokers	SESN3	rs35321531	T	C	0.185	0.026	0.029	1.57E-12	0.044	0.047	0.345	0.002	49.951	TRUE	3.37E-09
COPD in never smokers	SESN3	rs3740860	G	T	-0.295	0.015	0.079	1.45E-81	-0.063	0.028	0.026	0.011	365.894	TRUE	1.80E-58
COPD in never smokers	SESN3	rs4409785	C	T	-0.176	0.011	0.169	5.37E-62	-0.031	0.022	0.158	0.009	276.061	TRUE	5.07E-46
COPD in never smokers	SESN3	rs496321	T	C	-0.193	0.008	0.403	2.92E-127	0.017	0.017	0.309	0.018	575.868	TRUE	8.35E-98
COPD in never smokers	SESN3	rs529936	G	A	-0.064	0.009	0.298	2.03E-13	0.012	0.018	0.513	0.002	53.972	TRUE	3.15E-10
COPD in never smokers	SESN3	rs631472	T	C	-0.134	0.020	0.044	1.63E-11	-0.037	0.040	0.356	0.001	45.363	TRUE	1.86E-08
COPD in never smokers	SESN3	rs684856	A	G	-0.335	0.008	0.426	0.00E+00	-0.036	0.017	0.028	0.055	1839.277	TRUE	3.69E-301
COPD in never smokers	SESN3	rs72981740	A	G	-0.120	0.021	0.039	7.53E-09	-0.021	0.049	0.674	0.001	33.390	TRUE	6.02E-07
COPD in never smokers	SESN3	rs74797830	A	G	-0.220	0.036	0.016	1.14E-09	-0.003	0.059	0.961	0.001	37.061	TRUE	5.55E-08
COPD in never smokers	SESN3	rs75237982	T	C	0.086	0.011	0.151	7.97E-15	0.005	0.023	0.829	0.002	60.338	TRUE	6.76E-12
COPD in never smokers	SESN3	rs76999758	G	A	0.110	0.012	0.139	1.43E-21	0.028	0.023	0.224	0.003	91.006	TRUE	1.20E-15
COPD in never smokers	SESN3	rs79010674	C	T	-0.203	0.018	0.054	2.33E-29	0.031	0.035	0.374	0.004	126.546	TRUE	3.69E-22
COPD in never smokers	SESN3	rs79687070	G	T	-0.117	0.021	0.046	4.37E-08	-0.025	0.033	0.459	0.001	29.978	TRUE	4.72E-06
COPD in never smokers	SESN3	rs80136724	T	C	0.211	0.033	0.019	9.80E-11	-0.024	0.060	0.696	0.001	41.858	TRUE	1.87E-08

COPD in never smokers	SESN3	rs9667013	C	T	-0.129	0.015	0.078	4.78E-18	0.050	0.031	0.111	0.002	74.966	TRUE	1.80E-12
COPD in never smokers	SLC11A2	rs148056963	C	A	0.336	0.043	0.014	3.77E-15	-0.024	0.089	0.791	0.002	61.810	TRUE	4.35E-12
COPD in never smokers	SLC11A2	rs182300519	C	T	0.199	0.017	0.066	3.16E-31	-0.006	0.055	0.916	0.004	135.081	TRUE	3.75E-25
COPD in never smokers	SLC11A2	rs2280503	C	A	0.047	0.009	0.304	4.37E-08	0.009	0.017	0.591	0.001	29.978	TRUE	3.05E-06
COPD in never smokers	SLC11A2	rs4768947	C	T	0.084	0.008	0.443	8.90E-26	-0.048	0.017	0.004	0.003	110.184	TRUE	3.95E-16
COPD in never smokers	SLC39A6	rs17648916	C	A	-0.078	0.014	0.088	3.51E-08	0.075	0.028	0.008	0.001	30.402	TRUE	1.70E-04
COPD in never smokers	SLC39A6	rs7242481	A	G	0.074	0.008	0.358	4.62E-19	-0.068	0.017	1.06E-04	0.003	79.579	TRUE	3.60E-10
COPD in never smokers	SLC7A11	rs13120371	G	A	-0.072	0.008	0.357	2.75E-18	0.038	0.017	0.030	0.002	76.058	TRUE	7.54E-12
COPD in never smokers	SLC7A11	rs28364685	G	A	0.216	0.020	0.043	4.30E-28	-0.060	0.044	0.172	0.004	120.760	TRUE	2.59E-20
COPD in never smokers	SLC7A11	rs7671039	T	C	0.059	0.010	0.185	9.35E-09	0.027	0.021	0.201	0.001	32.971	TRUE	4.73E-06
COPD in never smokers	SLC9A3R1	rs117056610	T	C	0.199	0.027	0.028	2.54E-13	-0.026	0.047	0.573	0.002	53.529	TRUE	2.89E-10
COPD in never smokers	SLC9A3R1	rs144515512	T	C	0.344	0.050	0.013	5.67E-12	0.062	0.069	0.368	0.001	47.439	TRUE	7.90E-09
COPD in never smokers	SLC9A3R1	rs55752445	A	G	0.093	0.015	0.076	6.77E-10	0.028	0.031	0.367	0.001	38.084	TRUE	2.92E-07
COPD in never smokers	SLC9A3R1	rs55981110	G	A	0.092	0.012	0.131	6.01E-15	-0.030	0.026	0.240	0.002	60.896	TRUE	9.82E-11
COPD in never smokers	SLC9A3R1	rs62087202	A	G	-0.150	0.020	0.043	2.95E-14	0.016	0.038	0.667	0.002	57.765	TRUE	3.65E-11
COPD in never smokers	SLC9A3R1	rs7209406	C	T	-0.092	0.008	0.448	9.56E-31	0.013	0.017	0.436	0.004	132.882	TRUE	1.92E-23
COPD in never smokers	SLC9A3R1	rs72851708	T	C	0.209	0.017	0.065	2.21E-34	-0.015	0.032	0.629	0.005	149.505	TRUE	7.04E-27
COPD in never smokers	SLC9A3R1	rs79460470	A	G	0.201	0.026	0.030	3.20E-15	0.039	0.045	0.387	0.002	62.138	TRUE	2.42E-11
COPD in never smokers	SLC9A3R1	rs8079265	A	G	-0.047	0.009	0.321	4.08E-08	-0.031	0.018	0.087	0.001	30.107	TRUE	3.23E-05
COPD in never smokers	SLC9A3R1	rs880827	T	C	-0.223	0.008	0.479	1.40E-177	-0.063	0.017	1.30E-04	0.025	807.242	TRUE	1.04E-123
COPD in never smokers	SLC9A3R1	rs939543	G	A	-0.066	0.008	0.473	1.06E-16	-0.042	0.016	0.011	0.002	68.853	TRUE	2.86E-10
COPD in never smokers	SLC9A3R1	rs9635673	C	A	-0.089	0.015	0.078	2.35E-09	0.031	0.032	0.341	0.001	35.656	TRUE	8.32E-07
COPD in never smokers	SLC9A3R1	rs9898841	T	C	-0.188	0.027	0.026	6.85E-12	-0.024	0.043	0.567	0.001	47.067	TRUE	3.81E-09
COPD in never smokers	STK3	rs10955187	T	G	0.051	0.008	0.334	1.26E-09	0.047	0.017	0.007	0.001	36.869	TRUE	2.28E-05
COPD in never smokers	STK3	rs4602858	C	T	-0.084	0.015	0.073	3.87E-08	-0.040	0.032	0.213	0.001	30.211	TRUE	1.23E-05
COPD in never smokers	STX4	rs1046276	T	C	0.312	0.008	0.375	0.00E+00	0.039	0.017	0.023	0.045	1508.584	TRUE	1.87E-246
COPD in never smokers	STX4	rs11150606	C	T	-0.150	0.020	0.050	1.92E-13	-0.067	0.067	0.321	0.002	54.087	TRUE	7.86E-10
COPD in never smokers	STX4	rs112766425	G	A	0.285	0.017	0.060	5.35E-60	0.022	0.035	0.539	0.008	266.894	TRUE	1.12E-46
COPD in never smokers	STX4	rs11642632	A	G	0.186	0.024	0.032	4.49E-15	-0.052	0.044	0.236	0.002	61.468	TRUE	8.18E-11
COPD in never smokers	STX4	rs116849262	A	G	-0.170	0.024	0.036	2.34E-12	0.062	0.040	0.119	0.002	49.176	TRUE	2.27E-08
COPD in never smokers	STX4	rs117219760	G	T	0.277	0.042	0.024	2.61E-11	0.064	0.057	0.263	0.001	44.446	TRUE	4.36E-08
COPD in never smokers	STX4	rs117829446	C	T	-0.152	0.013	0.099	1.30E-29	0.011	0.026	0.660	0.004	127.705	TRUE	3.25E-23
COPD in never smokers	STX4	rs12918549	T	C	-0.059	0.009	0.340	4.73E-12	0.005	0.018	0.777	0.002	47.792	TRUE	1.29E-09
COPD in never smokers	STX4	rs138453524	A	G	0.282	0.035	0.019	1.55E-15	0.086	0.071	0.229	0.002	63.561	TRUE	3.91E-11
COPD in never smokers	STX4	rs139294330	G	A	-0.153	0.025	0.035	5.85E-10	0.027	0.044	0.541	0.001	38.368	TRUE	1.30E-07
COPD in never smokers	STX4	rs143159643	T	C	-0.325	0.058	0.014	1.57E-08	0.042	0.071	0.558	0.001	31.968	TRUE	1.54E-06
COPD in never smokers	STX4	rs146060040	T	C	0.255	0.037	0.017	8.39E-12	-0.023	0.083	0.780	0.001	46.671	TRUE	2.02E-09
COPD in never smokers	STX4	rs147208188	A	G	0.305	0.027	0.024	2.78E-29	0.079	0.053	0.132	0.004	126.190	TRUE	5.92E-21
COPD in never smokers	STX4	rs149949703	A	G	0.209	0.038	0.017	3.91E-08	0.038	0.055	0.490	0.001	30.191	TRUE	3.90E-06
COPD in never smokers	STX4	rs28385574	T	C	-0.209	0.017	0.068	8.78E-34	-0.061	0.027	0.021	0.005	146.769	TRUE	9.15E-23
COPD in never smokers	STX4	rs4321211	C	T	-0.049	0.008	0.493	6.72E-10	0.008	0.017	0.626	0.001	38.099	TRUE	1.07E-07
COPD in never smokers	STX4	rs4447446	C	T	0.112	0.008	0.469	5.73E-45	0.031	0.017	0.062	0.006	197.981	TRUE	5.70E-32

COPD in never smokers	STX4	rs4500746	T	C	0.069	0.009	0.303	1.32E-15	0.010	0.018	0.570	0.002	63.881	TRUE	4.93E-12
COPD in never smokers	STX4	rs4889654	G	A	0.077	0.008	0.375	1.31E-20	0.015	0.017	0.379	0.003	86.630	TRUE	1.93E-15
COPD in never smokers	STX4	rs56142883	T	C	0.260	0.025	0.031	6.83E-25	-0.023	0.049	0.632	0.003	106.145	TRUE	1.97E-19
COPD in never smokers	STX4	rs72785572	C	T	0.194	0.018	0.063	1.48E-26	0.032	0.035	0.350	0.004	113.744	TRUE	6.42E-20
COPD in never smokers	STX4	rs72785590	A	G	0.158	0.020	0.052	1.63E-15	0.067	0.039	0.087	0.002	63.466	TRUE	1.81E-10
COPD in never smokers	STX4	rs72792516	C	T	-0.108	0.019	0.050	1.44E-08	-0.041	0.037	0.271	0.001	32.136	TRUE	4.42E-06
COPD in never smokers	STX4	rs72800851	T	C	-0.203	0.033	0.021	4.75E-10	-0.084	0.056	0.133	0.001	38.776	TRUE	8.99E-07
COPD in never smokers	STX4	rs74776661	A	C	-0.211	0.036	0.018	4.45E-09	-0.004	0.078	0.957	0.001	34.413	TRUE	1.68E-07
COPD in never smokers	STX4	rs75812329	A	G	0.112	0.018	0.076	4.48E-10	0.017	0.030	0.582	0.001	38.888	TRUE	9.17E-08
COPD in never smokers	STX4	rs77353311	G	A	-0.199	0.014	0.098	3.68E-47	0.057	0.027	0.034	0.007	208.026	TRUE	5.02E-33
COPD in never smokers	STX4	rs79030220	T	C	-0.172	0.020	0.055	1.27E-18	-0.034	0.034	0.322	0.002	77.580	TRUE	9.34E-14
COPD in never smokers	STX4	rs9746755	A	G	-0.086	0.008	0.519	1.13E-26	-0.019	0.016	0.237	0.004	114.269	TRUE	1.45E-19
COPD in never smokers	UBE2K	rs11097002	A	G	-0.108	0.013	0.114	8.03E-18	0.021	0.029	0.468	0.002	73.941	TRUE	1.57E-13
COPD in never smokers	UBE2K	rs111709089	T	C	0.176	0.017	0.067	8.26E-26	-0.022	0.039	0.568	0.003	110.331	TRUE	5.51E-20
COPD in never smokers	UBE2K	rs116650226	C	T	-0.084	0.014	0.097	4.01E-10	-0.002	0.029	0.938	0.001	39.108	TRUE	2.57E-08
COPD in never smokers	UBE2K	rs11723405	G	A	0.181	0.008	0.492	1.68E-116	-0.038	0.016	0.021	0.016	526.403	TRUE	1.60E-84
COPD in never smokers	UBE2K	rs13145679	A	G	-0.092	0.009	0.257	7.90E-24	0.040	0.019	0.035	0.003	101.294	TRUE	6.47E-16
COPD in never smokers	UBE2K	rs159986	T	C	0.170	0.016	0.073	4.36E-27	-0.019	0.032	0.560	0.004	116.163	TRUE	5.79E-21
COPD in never smokers	UBE2K	rs2926042	G	A	0.072	0.009	0.302	1.39E-16	0.005	0.018	0.783	0.002	68.309	TRUE	3.31E-13
COPD in never smokers	UBE2K	rs62307836	A	G	-0.159	0.029	0.023	2.74E-08	-0.002	0.044	0.965	0.001	30.883	TRUE	7.06E-07
COPD in never smokers	UBE2K	rs62310119	A	G	0.182	0.018	0.057	1.26E-24	-0.021	0.033	0.523	0.003	104.938	TRUE	6.06E-19
COPD in never smokers	UBE2K	rs6835111	G	A	-0.045	0.008	0.466	1.63E-08	-0.003	0.017	0.843	0.001	31.891	TRUE	6.63E-07
COPD in never smokers	UBE2K	rs76258065	C	T	0.216	0.034	0.018	2.75E-10	-0.032	0.053	0.546	0.001	39.841	TRUE	7.17E-08
COPD in never smokers	UBE2K	rs809913	T	G	-0.056	0.008	0.411	3.29E-12	-0.011	0.017	0.519	0.002	48.505	TRUE	2.63E-09
COPD in never smokers	WASH3P	rs1039036	T	G	0.103	0.019	0.344	2.96E-08	0.018	0.017	0.315	0.001	30.730	TRUE	6.17E-06
COPD in never smokers	WASH3P	rs117183043	C	T	-0.370	0.067	0.021	3.53E-08	-0.070	0.045	0.118	0.001	30.389	TRUE	2.18E-05
COPD in never smokers	WASH3P	rs118156973	T	C	0.713	0.119	0.016	2.15E-09	-0.036	0.075	0.628	0.001	35.834	TRUE	2.62E-07
COPD in never smokers	WASH3P	rs138654383	T	C	-0.398	0.049	0.039	4.17E-16	-0.040	0.045	0.367	0.002	66.151	TRUE	5.76E-12
COPD in never smokers	WASH3P	rs192614428	A	G	0.766	0.106	0.013	6.24E-13	0.071	0.077	0.354	0.002	51.768	TRUE	1.60E-09
COPD in never smokers	WASH3P	rs2203348	G	A	0.558	0.019	0.240	5.26E-181	0.034	0.021	0.094	0.025	822.991	TRUE	2.30E-136
COPD in never smokers	WASH3P	rs28833516	G	A	0.384	0.035	0.067	7.54E-28	0.005	0.035	0.885	0.004	119.645	TRUE	2.22E-22
COPD in never smokers	WASH3P	rs2939591	T	G	0.263	0.017	0.522	8.69E-52	0.018	0.017	0.281	0.007	229.235	TRUE	4.72E-39
COPD in never smokers	WASH3P	rs62026993	A	G	-0.207	0.021	0.229	3.64E-23	-0.010	0.019	0.596	0.003	98.269	TRUE	5.47E-18
COPD in never smokers	WASH3P	rs62030440	A	G	-0.348	0.020	0.363	7.09E-70	-0.038	0.018	0.034	0.010	312.224	TRUE	5.47E-50
COPD in never smokers	WASH3P	rs72761668	G	A	-0.323	0.046	0.037	3.31E-12	-0.023	0.039	0.559	0.002	48.491	TRUE	2.24E-09
COPD in never smokers	WASH3P	rs78919415	C	T	0.450	0.060	0.022	9.87E-14	0.022	0.053	0.680	0.002	55.389	TRUE	8.93E-11
COPD in never smokers	WASH3P	rs9972460	T	C	-0.151	0.020	0.422	1.71E-14	-0.007	0.017	0.688	0.002	58.831	TRUE	2.19E-11
COPD in never smokers	ZKSCAN3	rs116860142	A	G	0.158	0.027	0.026	7.96E-09	-0.050	0.055	0.358	0.001	33.284	TRUE	1.93E-06
COPD in never smokers	ZKSCAN3	rs11966042	G	A	-0.545	0.041	0.016	1.22E-40	0.170	0.089	0.057	0.006	178.158	TRUE	1.20E-28
COPD in never smokers	ZKSCAN3	rs144600472	T	C	0.205	0.032	0.021	1.46E-10	-0.072	0.077	0.350	0.001	41.085	TRUE	9.95E-08
COPD in never smokers	ZKSCAN3	rs150027890	A	G	0.292	0.023	0.041	2.51E-36	-0.010	0.039	0.793	0.005	158.408	TRUE	6.94E-29
COPD in never smokers	ZKSCAN3	rs213230	G	A	0.264	0.010	0.231	3.06E-148	0.079	0.018	9.94E-06	0.021	672.317	TRUE	1.10E-99

COPD in never smokers	ZKSCAN3	rs2294309	G	T	-0.066	0.009	0.381	1.79E-13	-0.067	0.017	9.65E-05	0.002	54.222	TRUE	1.14E-06
COPD in never smokers	ZKSCAN3	rs2859370	T	C	-0.227	0.015	0.089	9.51E-51	-0.055	0.030	0.071	0.007	224.468	TRUE	1.86E-36
COPD in never smokers	ZKSCAN3	rs45530534	T	C	-0.258	0.044	0.017	3.34E-09	-0.067	0.083	0.416	0.001	34.973	TRUE	7.91E-07
COPD in never smokers	ZKSCAN3	rs62401437	A	G	-0.065	0.010	0.284	2.21E-10	-0.047	0.019	0.014	0.001	40.266	TRUE	4.38E-06
COPD in never smokers	ZKSCAN3	rs9366714	C	T	0.201	0.026	0.031	3.62E-14	-0.053	0.055	0.337	0.002	57.362	TRUE	2.03E-10

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim

Table S24. SMR analysis of associations between proteins encoded by PCD-related genes and COPD*

Outcome	Gene	topSNP	Beta	SE	OR (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
Overall COPD	MAPK3	rs6565175	-0.165	0.032	0.848 (0.797, 0.902)	1.90E-07	3.28E-05	0.298	20
Overall COPD	NQO1	rs2161631	-0.036	0.010	0.965 (0.946, 0.985)	5.72E-04	0.049	0.194	20
Overall COPD	ARSB	rs11743362	0.166	0.053	1.181 (1.064, 1.310)	0.002	0.099	0.731	20
Overall COPD	NAGLU	rs112629880	0.031	0.012	1.032 (1.008, 1.056)	0.008	0.285	0.085	20
Overall COPD	NMT1	rs1053733	0.405	0.163	1.500 (1.090, 2.064)	0.013	0.285	0.812	18
Overall COPD	PIP4K2A	rs11013176	0.157	0.064	1.170 (1.031, 1.327)	0.015	0.285	0.017	20
Overall COPD	TMEM106B	rs1054168	-0.157	0.062	0.854 (0.757, 0.965)	0.011	0.285	0.030	20
Overall COPD	MMP9	rs6094239	-0.231	0.098	0.794 (0.656, 0.961)	0.018	0.313	0.606	19
Overall COPD	GSTP1	rs614080	-0.116	0.053	0.891 (0.802, 0.989)	0.030	0.398	0.386	20
Overall COPD	SAT2	rs858523	0.067	0.034	1.070 (1.002, 1.142)	0.045	0.518	0.623	20
COPD in ever-smokers	MAPK3	rs6565175	-0.190	0.064	0.827 (0.730, 0.938)	0.003	0.214	0.171	20
COPD in ever-smokers	WWOX	rs11545029	-0.604	0.229	0.547 (0.349, 0.856)	0.008	0.331	0.456	20
COPD in ever-smokers	SFRP1	rs72643819	0.193	0.098	1.212 (1.001, 1.469)	0.049	0.628	0.269	14
COPD in ever-smokers	CD14	rs31872	-0.340	0.173	0.712 (0.507, 1.000)	0.050	0.628	0.855	20
COPD in ever-smokers	CD14	rs31872	-0.340	0.173	0.712 (0.507, 1.000)	0.050	0.628	0.855	20
COPD in never-smokers	ERBB3	rs2292238	-0.609	0.163	0.544 (0.395, 0.749)	1.89E-04	0.013	0.022	20
COPD in never-smokers	IL6R	rs12126142	0.046	0.016	1.047 (1.014, 1.081)	0.005	0.179	0.132	13
COPD in never-smokers	IL6R	rs12126142	0.046	0.016	1.047 (1.014, 1.081)	0.005	0.179	0.132	13
COPD in never-smokers	TLR3	rs35103715	0.077	0.028	1.080 (1.021, 1.142)	0.007	0.194	0.509	20
COPD in never-smokers	SAT2	rs858523	0.186	0.083	1.205 (1.024, 1.418)	0.025	0.433	0.185	20
COPD in never-smokers	HEXB	rs1164692	0.212	0.099	1.236 (1.018, 1.501)	0.032	0.467	0.289	8
COPD in never-smokers	GM2A	rs248467	0.153	0.073	1.165 (1.009, 1.345)	0.037	0.467	0.334	19

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

SMR, Summary data-level Mendelian randomization; PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; OR, odds ratio; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim;

Table S25. Sensitivity analysis of associations between proteins encoded by PCD-related genes and COPD*

Outcome	Gene	nSNP	Method	Beta	SE	OR (95%CI)	P	Egger_intercept	P_Egger_intercept
Overall COPD	MAPK3	19	Inverse variance weighted	-0.162	0.022	0.850 (0.814, 0.888)	2.77E-13	-0.002	0.847
Overall COPD	NQO1	69	Inverse variance weighted	-0.024	0.008	0.976 (0.962, 0.991)	0.002	0.005	0.097
Overall COPD	ARSB	7	Inverse variance weighted	0.147	0.033	1.158 (1.085, 1.236)	9.32E-06	0.005	0.517
Overall COPD	NAGLU	49	Inverse variance weighted	0.026	0.009	1.026 (1.009, 1.043)	0.003	-0.002	0.478
Overall COPD	NMT1	1	Wald ratio	0.405	0.146	1.500 (1.126, 1.998)	0.006	NA	NA
Overall COPD	PIP4K2A	1	Wald ratio	0.157	0.063	1.170 (1.033, 1.325)	0.013	NA	NA
Overall COPD	TMEM106B	2	Inverse variance weighted	-0.147	0.061	0.863 (0.766, 0.973)	0.016	NA	NA
Overall COPD	MMP9	1	Wald ratio	-0.230	0.093	0.795 (0.662, 0.954)	0.014	NA	NA
Overall COPD	GSTP1	11	Inverse variance weighted	-0.071	0.028	0.931 (0.882, 0.983)	0.010	-0.004	0.634
Overall COPD	SAT2	29	Inverse variance weighted	0.054	0.016	1.055 (1.023, 1.088)	6.58E-04	-0.006	0.108
COPD in ever-smokers	MAPK3	17	Inverse variance weighted	-0.266	0.058	0.767 (0.685, 0.858)	3.88E-06	-0.031	0.145
COPD in ever-smokers	WWOX	2	Inverse variance weighted	-0.481	0.176	0.618 (0.438, 0.873)	0.006	NA	NA
COPD in ever-smokers	SFRP1	26	Inverse variance weighted	0.110	0.039	1.117 (1.035, 1.205)	0.005	0.013	0.314
COPD in ever-smokers	CD14	18	Inverse variance weighted	-0.103	0.051	0.902 (0.815, 0.997)	0.044	-0.011	0.393
COPD in ever-smokers	CD14	18	Inverse variance weighted	-0.103	0.051	0.902 (0.815, 0.997)	0.044	-0.011	0.393
COPD in never-smokers	ERBB3	2	Inverse variance weighted	-0.626	0.147	0.535 (0.401, 0.713)	2.04E-05	NA	NA
COPD in never-smokers	IL6R	114	Inverse variance weighted	0.050	0.012	1.051 (1.027, 1.076)	2.29E-05	0.002	0.747
COPD in never-smokers	IL6R	114	Inverse variance weighted	0.050	0.012	1.051 (1.027, 1.076)	2.29E-05	0.002	0.747
COPD in never-smokers	TLR3	156	Inverse variance weighted	0.039	0.015	1.040 (1.010, 1.070)	0.009	-0.003	0.495
COPD in never-smokers	SAT2	27	Inverse variance weighted	0.189	0.039	1.209 (1.120, 1.304)	1.10E-06	0.001	0.884
COPD in never-smokers	HEXB	14	Inverse variance weighted	0.111	0.036	1.118 (1.041, 1.200)	0.002	-0.012	0.374
COPD in never-smokers	GM2A	31	Inverse variance weighted	0.129	0.058	1.138 (1.017, 1.274)	0.024	-0.019	0.159

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; OR odds ratio; CI, confidence interval

Table S26. Genetic instruments for sensitivity analysis of PCD-related gene-encoded proteins in relation to COPD

Outcome	Gene	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
Overall COPD	ARSB	rs10454897	T	C	-0.051	0.008	0.471	7.75E-11	-0.009	0.007	0.188	0.001	42.317	TRUE	7.44E-10
Overall COPD	ARSB	rs113715862	C	T	0.143	0.023	0.030	3.13E-10	0.025	0.019	0.186	0.001	39.591	TRUE	2.75E-09
Overall COPD	ARSB	rs11743362	A	G	-0.129	0.008	0.495	5.37E-62	-0.021	0.007	0.001	0.008	276.064	TRUE	8.34E-56
Overall COPD	ARSB	rs2431330	G	A	-0.048	0.008	0.535	8.50E-10	-0.006	0.007	0.399	0.001	37.639	TRUE	4.14E-09
Overall COPD	ARSB	rs338460	A	G	-0.053	0.008	0.523	1.19E-11	-0.016	0.007	0.018	0.001	45.985	TRUE	4.50E-10
Overall COPD	ARSB	rs672413	G	A	-0.119	0.009	0.735	1.03E-40	-0.012	0.007	0.107	0.005	178.485	TRUE	1.06E-37
Overall COPD	ARSB	rs7701762	T	G	0.135	0.021	0.036	9.62E-11	0.004	0.019	0.840	0.001	41.896	TRUE	2.50E-10
Overall COPD	CHMP2B	rs115718803	A	C	0.187	0.031	0.017	2.89E-09	0.038	0.029	0.195	0.001	35.255	TRUE	2.11E-08
Overall COPD	CHMP2B	rs115730960	G	A	0.222	0.025	0.027	1.06E-18	-0.006	0.019	0.748	0.002	77.936	TRUE	6.71E-18
Overall COPD	CHMP2B	rs116323957	A	G	0.176	0.028	0.021	1.92E-10	-0.006	0.019	0.777	0.001	40.547	TRUE	5.33E-10
Overall COPD	CHMP2B	rs116611298	A	G	0.182	0.023	0.033	1.24E-15	0.039	0.030	0.189	0.002	63.997	TRUE	2.43E-14
Overall COPD	CHMP2B	rs13074432	G	T	0.065	0.008	0.604	4.93E-15	-0.007	0.007	0.337	0.002	61.286	TRUE	5.41E-14
Overall COPD	CHMP2B	rs146570839	C	T	0.146	0.026	0.025	1.67E-08	-0.004	0.027	0.885	0.001	31.849	TRUE	3.34E-08
Overall COPD	CHMP2B	rs147215316	T	C	0.194	0.035	0.013	2.34E-08	-0.002	0.035	0.953	0.001	31.190	TRUE	4.25E-08
Overall COPD	CHMP2B	rs147716426	A	G	-0.143	0.026	0.024	3.33E-08	-0.006	0.026	0.829	0.001	30.506	TRUE	7.00E-08
Overall COPD	CHMP2B	rs150931928	C	T	0.163	0.028	0.021	7.95E-09	-0.028	0.025	0.247	0.001	33.286	TRUE	4.71E-08
Overall COPD	CHMP2B	rs1986448	A	T	-0.096	0.011	0.152	1.34E-17	-0.011	0.009	0.226	0.002	72.929	TRUE	2.96E-16
Overall COPD	CHMP2B	rs2136546	G	A	-0.097	0.014	0.102	6.89E-13	0.015	0.013	0.251	0.001	51.571	TRUE	7.31E-12
Overall COPD	CHMP2B	rs2575790	T	G	0.067	0.008	0.624	2.21E-15	-0.005	0.007	0.537	0.002	62.869	TRUE	1.56E-14
Overall COPD	CHMP2B	rs2642335	A	T	0.101	0.018	0.943	1.40E-08	-0.014	0.015	0.371	0.001	32.192	TRUE	6.09E-08
Overall COPD	CHMP2B	rs300996	T	G	0.242	0.008	0.357	9.54E-184	0.014	0.007	0.043	0.023	835.611	TRUE	6.95E-172
Overall COPD	CHMP2B	rs35147577	G	A	-0.055	0.009	0.322	2.63E-10	-0.002	0.007	0.803	0.001	39.928	TRUE	6.95E-10
Overall COPD	CHMP2B	rs35450682	T	C	-0.084	0.015	0.081	2.64E-08	-0.011	0.014	0.432	0.001	30.957	TRUE	9.95E-08
Overall COPD	CHMP2B	rs62267014	G	A	-0.061	0.009	0.242	1.23E-10	0.004	0.009	0.633	0.001	41.422	TRUE	4.35E-10
Overall COPD	CHMP2B	rs6782359	G	T	0.075	0.009	0.278	1.02E-16	0.003	0.008	0.688	0.002	68.925	TRUE	6.05E-16
Overall COPD	CHMP2B	rs73124089	T	C	-0.095	0.015	0.085	9.02E-11	-0.003	0.014	0.814	0.001	42.021	TRUE	2.44E-10
Overall COPD	CHMP2B	rs73134222	C	T	0.178	0.023	0.032	1.92E-14	-0.007	0.019	0.689	0.002	58.608	TRUE	9.10E-14
Overall COPD	CHMP2B	rs73140234	G	A	-0.146	0.026	0.024	2.93E-08	0.040	0.023	0.077	0.001	30.754	TRUE	2.88E-07
Overall COPD	CHMP2B	rs7431413	C	T	0.177	0.026	0.976	9.19E-12	-0.024	0.035	0.488	0.001	46.491	TRUE	4.78E-11
Overall COPD	CHMP2B	rs77555530	A	G	-0.129	0.017	0.060	1.19E-14	0.004	0.016	0.796	0.002	59.556	TRUE	4.71E-14
Overall COPD	CHMP2B	rs78375387	C	A	-0.090	0.011	0.143	5.12E-15	-0.006	0.009	0.522	0.002	61.211	TRUE	3.59E-14
Overall COPD	CHMP2B	rs79710698	G	A	0.141	0.021	0.038	3.87E-11	0.012	0.016	0.483	0.001	43.674	TRUE	1.89E-10
Overall COPD	CHMP2B	rs9814510	C	A	0.086	0.009	0.301	1.19E-22	0.003	0.008	0.677	0.003	95.922	TRUE	1.29E-21
Overall COPD	CHMP2B	rs9841244	G	A	0.125	0.013	0.106	4.94E-21	-0.005	0.011	0.628	0.002	88.551	TRUE	5.12E-20
Overall COPD	CTSS	rs10888415	T	C	-0.064	0.010	0.800	3.28E-10	-0.014	0.008	0.110	0.001	39.499	TRUE	3.90E-09
Overall COPD	CTSS	rs113759410	A	G	0.120	0.016	0.065	2.47E-13	-0.020	0.016	0.194	0.002	53.590	TRUE	3.38E-12
Overall COPD	CTSS	rs115352901	T	A	0.120	0.019	0.047	6.78E-10	0.005	0.030	0.862	0.001	38.080	TRUE	1.58E-09
Overall COPD	CTSS	rs11587718	T	C	0.107	0.009	0.666	1.35E-35	-0.001	0.007	0.872	0.004	155.067	TRUE	2.85E-34
Overall COPD	CTSS	rs115951766	G	A	0.110	0.014	0.086	2.68E-14	-0.051	0.016	0.001	0.002	57.955	TRUE	5.67E-12
Overall COPD	CTSS	rs1196456	A	T	-0.086	0.011	0.839	6.07E-15	0.013	0.009	0.176	0.002	60.876	TRUE	1.13E-13

Overall COPD	CTSS	rs12119601	G	C	0.072	0.009	0.315	1.82E-16	-0.005	0.008	0.547	0.002	67.784	TRUE	1.42E-15
Overall COPD	CTSS	rs12130434	T	C	-0.089	0.008	0.419	4.44E-27	-0.002	0.007	0.789	0.003	116.128	TRUE	5.51E-26
Overall COPD	CTSS	rs12132987	A	G	-0.188	0.017	0.067	6.28E-30	0.013	0.015	0.405	0.004	129.147	TRUE	3.17E-28
Overall COPD	CTSS	rs12142278	A	G	-0.076	0.010	0.759	1.43E-15	-0.015	0.008	0.080	0.002	63.721	TRUE	5.11E-14
Overall COPD	CTSS	rs12742185	A	G	-0.223	0.036	0.013	8.87E-10	-0.003	0.030	0.917	0.001	37.557	TRUE	1.90E-09
Overall COPD	CTSS	rs143419015	G	C	0.127	0.016	0.071	1.42E-15	-0.028	0.017	0.099	0.002	63.734	TRUE	4.42E-14
Overall COPD	CTSS	rs146883961	A	C	-0.253	0.019	0.047	4.72E-40	0.005	0.015	0.752	0.005	175.463	TRUE	2.13E-38
Overall COPD	CTSS	rs149026128	A	T	0.178	0.012	0.145	1.64E-53	-0.032	0.010	0.001	0.007	237.143	TRUE	7.53E-48
Overall COPD	CTSS	rs1752380	T	C	0.078	0.008	0.499	6.55E-22	0.005	0.007	0.529	0.003	92.548	TRUE	9.50E-21
Overall COPD	CTSS	rs185831765	C	A	-0.492	0.029	0.020	3.51E-64	-0.070	0.033	0.037	0.008	286.089	TRUE	2.99E-59
Overall COPD	CTSS	rs186339560	T	C	-0.331	0.042	0.010	6.58E-15	0.025	0.044	0.561	0.002	60.716	TRUE	4.20E-14
Overall COPD	CTSS	rs190018150	A	G	0.161	0.023	0.030	2.93E-12	0.023	0.021	0.269	0.001	48.736	TRUE	2.69E-11
Overall COPD	CTSS	rs192504603	C	T	-0.465	0.032	0.016	1.47E-46	-0.005	0.028	0.859	0.006	205.277	TRUE	8.50E-45
Overall COPD	CTSS	rs2298263	G	C	0.077	0.011	0.175	5.48E-13	0.003	0.011	0.814	0.001	52.022	TRUE	1.81E-12
Overall COPD	CTSS	rs3118121	A	G	-0.128	0.008	0.416	3.11E-54	-0.016	0.009	0.059	0.007	240.456	TRUE	3.90E-50
Overall COPD	CTSS	rs35782301	T	C	-0.233	0.009	0.328	2.28E-162	0.000	0.007	0.993	0.020	737.291	TRUE	5.51E-156
Overall COPD	CTSS	rs587698273	A	G	-0.272	0.028	0.021	6.08E-22	0.052	0.073	0.481	0.003	92.695	TRUE	1.01E-20
Overall COPD	CTSS	rs626785	G	A	-0.126	0.011	0.185	1.30E-32	-0.007	0.010	0.468	0.004	141.416	TRUE	7.02E-31
Overall COPD	CTSS	rs6673178	T	A	0.232	0.009	0.743	1.04E-137	-0.005	0.007	0.466	0.017	623.903	TRUE	4.73E-131
Overall COPD	CTSS	rs72692721	T	C	0.083	0.009	0.265	2.10E-19	-0.010	0.009	0.273	0.002	81.136	TRUE	4.93E-18
Overall COPD	CTSS	rs72696880	A	G	-0.548	0.011	0.092	1.00E-200	-0.019	0.013	0.144	0.066	2503.515	TRUE	1.00E-200
Overall COPD	GSTP1	rs11227930	C	T	0.075	0.011	0.162	6.35E-12	-0.003	0.012	0.785	0.001	47.217	TRUE	2.00E-11
Overall COPD	GSTP1	rs12287978	A	G	-0.059	0.008	0.385	8.90E-13	0.012	0.007	0.092	0.001	51.070	TRUE	1.82E-11
Overall COPD	GSTP1	rs1254123	C	T	-0.126	0.008	0.469	1.40E-56	0.016	0.007	0.018	0.007	251.219	TRUE	8.91E-52
Overall COPD	GSTP1	rs1254125	A	G	-0.128	0.014	0.914	1.30E-19	0.000	0.011	0.981	0.002	82.081	TRUE	5.53E-19
Overall COPD	GSTP1	rs147293470	A	G	-0.056	0.009	0.285	3.81E-10	-0.004	0.008	0.637	0.001	39.208	TRUE	1.28E-09
Overall COPD	GSTP1	rs148013912	G	A	0.143	0.018	0.049	5.34E-15	-0.017	0.019	0.375	0.002	61.129	TRUE	5.28E-14
Overall COPD	GSTP1	rs4244818	C	T	0.097	0.011	0.175	7.48E-20	-0.009	0.009	0.337	0.002	83.179	TRUE	1.49E-18
Overall COPD	GSTP1	rs7118125	C	T	-0.065	0.008	0.563	1.16E-15	0.003	0.007	0.682	0.002	64.141	TRUE	6.26E-15
Overall COPD	GSTP1	rs72934713	T	C	0.219	0.015	0.079	7.84E-49	-0.003	0.012	0.815	0.006	215.688	TRUE	6.45E-47
Overall COPD	GSTP1	rs79576315	T	C	-0.101	0.015	0.074	2.62E-11	0.028	0.015	0.064	0.001	44.439	TRUE	5.06E-10
Overall COPD	GSTP1	rs8191445	A	G	-0.107	0.019	0.046	2.33E-08	-0.006	0.018	0.733	0.001	31.194	TRUE	5.66E-08
Overall COPD	MAPK3	rs1064524	T	C	0.112	0.019	0.045	7.88E-09	-0.024	0.015	0.123	0.001	33.302	TRUE	6.90E-08
Overall COPD	MAPK3	rs11150582	C	G	-0.106	0.010	0.181	2.33E-24	0.006	0.010	0.546	0.003	103.715	TRUE	4.17E-23
Overall COPD	MAPK3	rs11642632	A	G	-0.117	0.019	0.048	8.11E-10	0.001	0.020	0.947	0.001	37.731	TRUE	1.67E-09
Overall COPD	MAPK3	rs139529748	A	T	0.146	0.022	0.033	9.63E-11	-0.036	0.032	0.267	0.001	41.893	TRUE	7.20E-10
Overall COPD	MAPK3	rs142097700	A	G	0.147	0.023	0.034	1.32E-10	0.009	0.023	0.713	0.001	41.270	TRUE	4.13E-10
Overall COPD	MAPK3	rs142915099	A	G	0.144	0.023	0.032	8.82E-10	0.018	0.022	0.401	0.001	37.567	TRUE	4.26E-09
Overall COPD	MAPK3	rs149549354	G	A	0.114	0.020	0.043	6.74E-09	-0.025	0.021	0.220	0.001	33.605	TRUE	4.33E-08
Overall COPD	MAPK3	rs190486351	T	C	0.139	0.016	0.065	3.81E-17	-0.008	0.021	0.710	0.002	70.867	TRUE	2.25E-16
Overall COPD	MAPK3	rs34286592	T	C	-0.062	0.011	0.157	3.19E-08	0.008	0.010	0.435	0.001	30.586	TRUE	1.19E-07
Overall COPD	MAPK3	rs34679599	T	C	-0.112	0.014	0.099	2.08E-16	0.025	0.015	0.085	0.002	67.519	TRUE	8.16E-15

Overall COPD	MAPK3	rs4500746	C	T	0.076	0.009	0.662	8.22E-19	-0.020	0.008	0.011	0.002	78.442	TRUE	1.64E-16
Overall COPD	MAPK3	rs4788186	G	A	-0.114	0.008	0.631	2.65E-41	0.028	0.007	1.42E-04	0.005	181.190	TRUE	4.86E-36
Overall COPD	MAPK3	rs55732507	C	T	0.240	0.008	0.400	9.45E-188	-0.040	0.007	8.91E-08	0.023	854.028	TRUE	2.65E-168
Overall COPD	MAPK3	rs56329348	A	G	0.181	0.022	0.037	1.08E-16	-0.061	0.022	0.005	0.002	68.816	TRUE	2.05E-14
Overall COPD	MAPK3	rs62054903	G	A	0.136	0.024	0.028	2.56E-08	0.038	0.027	0.157	0.001	31.011	TRUE	1.81E-07
Overall COPD	MAPK3	rs6565174	C	A	0.162	0.012	0.869	3.82E-41	-0.021	0.012	0.083	0.005	180.462	TRUE	5.58E-38
Overall COPD	MAPK3	rs76840156	T	C	0.128	0.023	0.032	3.72E-08	-0.013	0.024	0.583	0.001	30.288	TRUE	1.09E-07
Overall COPD	MAPK3	rs80154727	A	G	-0.172	0.031	0.018	1.78E-08	0.023	0.040	0.564	0.001	31.718	TRUE	5.56E-08
Overall COPD	MAPK3	rs9936065	T	C	0.146	0.022	0.037	1.79E-11	-0.042	0.018	0.021	0.001	45.181	TRUE	6.03E-10
Overall COPD	MAPK9	rs116301830	T	C	0.225	0.038	0.012	2.25E-09	0.017	0.026	0.511	0.001	35.743	TRUE	8.49E-09
Overall COPD	MAPK9	rs11744336	T	C	0.302	0.025	0.026	3.88E-33	-0.028	0.029	0.326	0.004	143.816	TRUE	3.83E-31
Overall COPD	MAPK9	rs13162728	A	G	0.106	0.014	0.099	6.17E-15	-0.005	0.013	0.718	0.002	60.844	TRUE	2.91E-14
Overall COPD	MAPK9	rs145843394	T	C	0.307	0.037	0.012	9.87E-17	-0.046	0.035	0.188	0.002	68.992	TRUE	2.26E-15
Overall COPD	MAPK9	rs3763131	C	T	0.185	0.010	0.201	1.13E-75	0.019	0.008	0.024	0.009	338.839	TRUE	8.09E-70
Overall COPD	MAPK9	rs62406980	G	A	-0.071	0.008	0.379	1.77E-17	-0.011	0.007	0.130	0.002	72.386	TRUE	6.05E-16
Overall COPD	MAPK9	rs6879043	G	A	-0.075	0.008	0.417	2.30E-20	-0.001	0.007	0.904	0.002	85.511	TRUE	1.22E-19
Overall COPD	MAPK9	rs745749	G	A	-0.063	0.009	0.333	1.44E-13	-0.012	0.007	0.085	0.002	54.653	TRUE	3.52E-12
Overall COPD	MAPK9	rs7723989	T	C	0.098	0.012	0.126	1.08E-15	-0.023	0.013	0.075	0.002	64.282	TRUE	4.07E-14
Overall COPD	MMP9	rs2250889	C	G	-0.169	0.020	0.953	1.08E-16	0.039	0.016	0.014	0.002	68.819	TRUE	1.29E-14
Overall COPD	NAGLU	rs11079001	C	G	0.056	0.007	0.633	1.33E-14	-0.009	0.008	0.257	0.002	59.330	TRUE	1.75E-13
Overall COPD	NAGLU	rs111416082	G	A	-0.070	0.007	0.368	2.56E-21	0.001	0.011	0.904	0.003	89.849	TRUE	1.47E-20
Overall COPD	NAGLU	rs112220485	C	T	-0.196	0.011	0.109	1.74E-65	-0.026	0.013	0.040	0.008	292.074	TRUE	1.63E-60
Overall COPD	NAGLU	rs112308196	T	C	-0.195	0.011	0.120	8.32E-72	0.010	0.011	0.359	0.009	321.089	TRUE	5.11E-68
Overall COPD	NAGLU	rs11650969	G	T	-0.044	0.007	0.617	1.32E-09	0.000	0.007	0.968	0.001	36.783	TRUE	2.59E-09
Overall COPD	NAGLU	rs11652267	T	C	0.068	0.012	0.105	4.17E-09	0.008	0.012	0.486	0.001	34.541	TRUE	1.59E-08
Overall COPD	NAGLU	rs11652920	T	C	0.176	0.021	0.028	1.99E-17	-0.004	0.023	0.863	0.002	72.152	TRUE	8.90E-17
Overall COPD	NAGLU	rs117342079	A	G	-0.198	0.032	0.013	6.71E-10	-0.054	0.046	0.242	0.001	38.102	TRUE	4.74E-09
Overall COPD	NAGLU	rs117992856	A	G	-0.192	0.022	0.028	5.09E-19	0.024	0.042	0.565	0.002	79.389	TRUE	4.98E-18
Overall COPD	NAGLU	rs118055988	T	C	-0.156	0.027	0.018	8.09E-09	0.036	0.031	0.256	0.001	33.252	TRUE	4.67E-08
Overall COPD	NAGLU	rs11869776	T	G	0.225	0.019	0.033	7.57E-31	0.015	0.018	0.397	0.004	133.345	TRUE	4.36E-29
Overall COPD	NAGLU	rs11869903	G	A	-0.092	0.008	0.743	7.01E-30	-0.003	0.008	0.751	0.004	128.928	TRUE	1.24E-28
Overall COPD	NAGLU	rs12449342	A	G	-0.131	0.008	0.757	1.14E-57	-0.011	0.008	0.189	0.007	256.218	TRUE	4.54E-54
Overall COPD	NAGLU	rs13412	C	T	0.101	0.007	0.397	2.45E-44	0.008	0.007	0.236	0.005	195.090	TRUE	1.42E-41
Overall COPD	NAGLU	rs140239793	C	T	0.600	0.066	0.003	8.18E-20	0.027	0.033	0.410	0.002	83.002	TRUE	1.30E-18
Overall COPD	NAGLU	rs142808159	C	G	0.516	0.025	0.020	4.09E-94	-0.020	0.025	0.419	0.012	423.538	TRUE	2.00E-89
Overall COPD	NAGLU	rs142901107	T	C	-0.208	0.024	0.023	2.62E-18	0.010	0.026	0.704	0.002	76.152	TRUE	1.75E-17
Overall COPD	NAGLU	rs145869415	T	C	0.319	0.052	0.004	1.03E-09	0.002	0.039	0.963	0.001	37.265	TRUE	2.06E-09
Overall COPD	NAGLU	rs147986285	G	A	0.358	0.031	0.013	1.42E-30	0.016	0.023	0.471	0.004	132.093	TRUE	6.13E-29
Overall COPD	NAGLU	rs148175793	C	T	0.542	0.029	0.016	4.65E-78	-0.020	0.031	0.515	0.010	349.795	TRUE	2.35E-74
Overall COPD	NAGLU	rs148215732	C	T	0.955	0.016	0.019	1.00E-200	-0.015	0.028	0.602	0.092	3582.214	TRUE	1.00E-200
Overall COPD	NAGLU	rs149039453	A	G	-0.095	0.012	0.096	2.56E-15	0.007	0.015	0.627	0.002	62.574	TRUE	1.49E-14
Overall COPD	NAGLU	rs16940410	C	A	0.067	0.009	0.173	8.61E-13	0.017	0.009	0.054	0.001	51.136	TRUE	2.38E-11

Overall COPD	NAGLU	rs192216481	T	C	-0.182	0.029	0.014	5.03E-10	-0.022	0.033	0.506	0.001	38.662	TRUE	2.07E-09
Overall COPD	NAGLU	rs2070106	A	G	-0.083	0.008	0.301	3.83E-27	-0.013	0.008	0.102	0.003	116.423	TRUE	6.54E-25
Overall COPD	NAGLU	rs28410822	T	C	0.206	0.023	0.023	1.33E-18	-0.003	0.024	0.889	0.002	77.499	TRUE	6.22E-18
Overall COPD	NAGLU	rs323494	A	T	-0.089	0.008	0.310	3.29E-31	0.003	0.007	0.676	0.004	135.001	TRUE	8.09E-30
Overall COPD	NAGLU	rs36010851	A	G	-0.509	0.036	0.010	2.13E-45	-0.013	0.042	0.765	0.006	199.948	TRUE	1.51E-43
Overall COPD	NAGLU	rs370664147	A	G	-0.221	0.017	0.047	7.95E-41	-0.030	0.021	0.166	0.005	179.006	TRUE	4.89E-38
Overall COPD	NAGLU	rs41280074	T	C	0.297	0.030	0.014	1.53E-22	0.028	0.027	0.293	0.003	95.430	TRUE	4.91E-21
Overall COPD	NAGLU	rs4792994	T	C	-0.098	0.010	0.163	2.67E-24	0.002	0.010	0.850	0.003	103.445	TRUE	2.23E-23
Overall COPD	NAGLU	rs4796770	A	C	-0.078	0.012	0.097	6.93E-11	0.004	0.016	0.795	0.001	42.536	TRUE	1.95E-10
Overall COPD	NAGLU	rs539675166	A	C	0.664	0.036	0.009	1.71E-74	-0.001	0.032	0.975	0.009	333.420	TRUE	7.92E-72
Overall COPD	NAGLU	rs546484640	T	C	0.225	0.036	0.010	5.40E-10	0.075	0.056	0.178	0.001	38.526	TRUE	4.69E-09
Overall COPD	NAGLU	rs55999482	A	C	-0.056	0.008	0.320	1.28E-13	0.008	0.008	0.304	0.002	54.877	TRUE	1.29E-12
Overall COPD	NAGLU	rs56097721	T	C	0.552	0.029	0.016	8.41E-81	0.022	0.031	0.475	0.010	362.389	TRUE	7.02E-77
Overall COPD	NAGLU	rs597255	T	C	-0.265	0.007	0.644	2.94E-292	0.001	0.007	0.936	0.036	1334.829	TRUE	5.41E-279
Overall COPD	NAGLU	rs71373433	G	A	-0.078	0.011	0.107	1.24E-11	-0.011	0.012	0.338	0.001	45.907	TRUE	8.74E-11
Overall COPD	NAGLU	rs7210270	G	A	1.115	0.015	0.021	1.00E-200	0.058	0.018	0.001	0.128	5224.864	TRUE	1.00E-200
Overall COPD	NAGLU	rs72831075	C	A	-0.077	0.011	0.112	9.59E-12	-0.002	0.013	0.895	0.001	46.407	TRUE	2.50E-11
Overall COPD	NAGLU	rs76010772	T	G	0.342	0.031	0.014	1.34E-28	0.009	0.031	0.772	0.003	123.075	TRUE	1.99E-27
Overall COPD	NAGLU	rs760282	G	A	0.072	0.008	0.281	2.57E-20	-0.005	0.008	0.519	0.002	85.293	TRUE	3.22E-19
Overall COPD	NAGLU	rs76084405	A	G	-0.172	0.027	0.017	2.82E-10	-0.031	0.028	0.266	0.001	39.796	TRUE	1.97E-09
Overall COPD	NAGLU	rs77386381	C	T	0.405	0.022	0.025	3.91E-76	0.041	0.019	0.029	0.009	340.961	TRUE	2.33E-70
Overall COPD	NAGLU	rs77788327	C	G	0.668	0.028	0.015	1.51E-129	0.000	0.028	0.990	0.016	586.377	TRUE	1.24E-124
Overall COPD	NAGLU	rs77876239	C	T	0.146	0.017	0.046	6.52E-18	-0.024	0.018	0.189	0.002	74.351	TRUE	1.76E-16
Overall COPD	NAGLU	rs78333491	G	A	-0.094	0.011	0.115	1.72E-17	-0.001	0.011	0.940	0.002	72.439	TRUE	6.66E-17
Overall COPD	NAGLU	rs9900213	T	G	0.173	0.009	0.164	3.27E-75	0.009	0.009	0.316	0.009	336.725	TRUE	3.84E-71
Overall COPD	NAGLU	rs9910994	T	A	0.106	0.009	0.208	1.18E-34	-0.014	0.008	0.088	0.004	150.754	TRUE	6.62E-32
Overall COPD	NMT1	rs1053733	A	G	0.046	0.008	0.401	1.69E-08	0.019	0.007	0.006	0.001	31.816	TRUE	4.59E-07
Overall COPD	NQO1	rs112146240	A	G	-0.340	0.045	0.008	3.15E-14	-0.026	0.028	0.358	0.002	57.635	TRUE	2.95E-13
Overall COPD	NQO1	rs112996469	C	T	-0.589	0.007	0.238	1.00E-200	0.028	0.008	4.45E-04	0.172	7392.722	TRUE	1.00E-200
Overall COPD	NQO1	rs1131341	A	G	-0.736	0.015	0.043	1.00E-200	0.010	0.019	0.600	0.065	2453.289	TRUE	1.00E-200
Overall COPD	NQO1	rs11643995	T	C	-0.115	0.013	0.102	5.60E-19	-0.001	0.012	0.906	0.002	79.201	TRUE	2.62E-18
Overall COPD	NQO1	rs11644951	T	C	-0.370	0.018	0.048	2.81E-90	0.029	0.020	0.136	0.011	405.913	TRUE	1.02E-84
Overall COPD	NQO1	rs11648649	C	G	-0.454	0.029	0.019	2.41E-56	0.002	0.021	0.914	0.007	250.134	TRUE	2.77E-54
Overall COPD	NQO1	rs116924445	T	C	0.171	0.024	0.027	1.28E-12	-0.030	0.027	0.269	0.001	50.358	TRUE	1.24E-11
Overall COPD	NQO1	rs116925701	T	C	0.220	0.039	0.011	2.36E-08	0.042	0.028	0.132	0.001	31.175	TRUE	1.83E-07
Overall COPD	NQO1	rs117006983	A	G	0.179	0.020	0.040	1.56E-19	0.000	0.027	0.989	0.002	81.724	TRUE	6.47E-19
Overall COPD	NQO1	rs117274281	A	G	0.157	0.015	0.075	2.12E-26	0.004	0.018	0.826	0.003	113.027	TRUE	2.26E-25
Overall COPD	NQO1	rs13380484	T	C	-0.140	0.015	0.072	4.58E-20	0.020	0.015	0.201	0.002	84.150	TRUE	1.57E-18
Overall COPD	NQO1	rs138048029	A	C	-0.760	0.053	0.006	7.83E-46	-0.010	0.031	0.750	0.006	201.942	TRUE	6.08E-44
Overall COPD	NQO1	rs138405744	A	T	-0.501	0.037	0.012	9.70E-43	0.055	0.048	0.255	0.005	187.771	TRUE	4.16E-40
Overall COPD	NQO1	rs139731922	T	C	0.189	0.025	0.024	1.06E-13	0.010	0.022	0.650	0.002	55.257	TRUE	5.00E-13
Overall COPD	NQO1	rs140004795	T	C	-0.374	0.033	0.013	2.29E-29	-0.013	0.028	0.647	0.004	126.580	TRUE	5.11E-28

Overall COPD	NQO1	rs140113454	C	G	-0.309	0.011	0.143	3.43E-171	0.005	0.010	0.580	0.021	777.866	TRUE	3.17E-163
Overall COPD	NQO1	rs140477834	A	G	0.182	0.025	0.024	2.39E-13	-0.048	0.029	0.096	0.002	53.648	TRUE	5.26E-12
Overall COPD	NQO1	rs143073278	T	C	-0.369	0.040	0.010	1.75E-20	0.098	0.044	0.026	0.002	86.056	TRUE	2.90E-18
Overall COPD	NQO1	rs143844589	G	A	-0.160	0.022	0.032	6.24E-13	-0.009	0.059	0.882	0.001	51.768	TRUE	1.83E-12
Overall COPD	NQO1	rs147346916	A	G	0.187	0.033	0.015	1.01E-08	-0.011	0.105	0.916	0.001	32.830	TRUE	1.97E-08
Overall COPD	NQO1	rs148218226	G	T	-0.161	0.027	0.022	1.88E-09	0.033	0.047	0.483	0.001	36.092	TRUE	7.51E-09
Overall COPD	NQO1	rs149447225	C	T	0.269	0.044	0.007	1.37E-09	-0.039	0.031	0.206	0.001	36.709	TRUE	1.02E-08
Overall COPD	NQO1	rs149488844	T	A	-0.517	0.023	0.030	6.41E-108	0.038	0.024	0.115	0.014	486.970	TRUE	2.88E-101
Overall COPD	NQO1	rs150003681	C	T	0.202	0.035	0.013	8.80E-09	0.020	0.027	0.465	0.001	33.088	TRUE	3.34E-08
Overall COPD	NQO1	rs151224625	G	C	-0.729	0.029	0.018	7.57E-138	0.046	0.022	0.041	0.017	624.541	TRUE	1.17E-128
Overall COPD	NQO1	rs16970455	C	T	-0.068	0.010	0.221	1.03E-12	0.009	0.008	0.214	0.001	50.781	TRUE	1.20E-11
Overall COPD	NQO1	rs185550497	T	C	0.218	0.024	0.028	9.78E-20	0.010	0.027	0.699	0.002	82.648	TRUE	7.58E-19
Overall COPD	NQO1	rs188172861	T	C	-0.389	0.049	0.007	1.13E-15	0.022	0.032	0.485	0.002	64.190	TRUE	9.24E-15
Overall COPD	NQO1	rs188394601	G	T	0.205	0.030	0.018	6.11E-12	0.010	0.041	0.802	0.001	47.293	TRUE	1.88E-11
Overall COPD	NQO1	rs191587177	T	C	-0.170	0.030	0.017	1.80E-08	0.057	0.025	0.025	0.001	31.700	TRUE	2.94E-07
Overall COPD	NQO1	rs192058657	T	C	0.285	0.045	0.008	1.74E-10	-0.022	0.037	0.554	0.001	40.742	TRUE	6.92E-10
Overall COPD	NQO1	rs192253604	A	G	-0.119	0.019	0.044	5.89E-10	0.003	0.014	0.825	0.001	38.356	TRUE	1.46E-09
Overall COPD	NQO1	rs28393835	T	C	-0.242	0.019	0.044	1.48E-36	0.004	0.016	0.802	0.004	159.464	TRUE	4.15E-35
Overall COPD	NQO1	rs28553470	A	G	0.116	0.010	0.214	1.68E-33	0.001	0.008	0.892	0.004	145.486	TRUE	2.79E-32
Overall COPD	NQO1	rs33963999	C	G	0.079	0.014	0.084	2.85E-08	0.012	0.015	0.423	0.001	30.808	TRUE	1.09E-07
Overall COPD	NQO1	rs33965115	A	G	-0.130	0.015	0.078	8.13E-19	0.016	0.015	0.266	0.002	78.465	TRUE	1.81E-17
Overall COPD	NQO1	rs34426494	T	C	0.190	0.015	0.074	1.40E-36	-0.030	0.013	0.024	0.004	159.567	TRUE	3.42E-33
Overall COPD	NQO1	rs35332782	G	C	0.184	0.027	0.022	6.25E-12	-0.018	0.030	0.548	0.001	47.248	TRUE	2.96E-11
Overall COPD	NQO1	rs35463268	A	G	0.160	0.014	0.081	5.29E-29	-0.002	0.012	0.880	0.004	124.917	TRUE	6.17E-28
Overall COPD	NQO1	rs35708016	A	G	-0.083	0.013	0.101	2.23E-10	-0.032	0.013	0.014	0.001	40.252	TRUE	6.93E-09
Overall COPD	NQO1	rs36085011	A	G	0.160	0.024	0.028	1.24E-11	0.044	0.019	0.020	0.001	45.898	TRUE	4.43E-10
Overall COPD	NQO1	rs3748384	A	G	-0.376	0.006	0.398	1.00E-200	0.020	0.007	0.006	0.095	3739.889	TRUE	1.00E-200
Overall COPD	NQO1	rs41321251	G	A	-0.317	0.025	0.024	1.46E-35	0.004	0.022	0.849	0.004	154.905	TRUE	3.29E-34
Overall COPD	NQO1	rs4783573	G	A	0.049	0.009	0.298	9.27E-09	-0.005	0.008	0.509	0.001	32.987	TRUE	3.26E-08
Overall COPD	NQO1	rs4783683	C	T	-0.067	0.008	0.380	1.69E-16	0.004	0.007	0.518	0.002	67.932	TRUE	1.41E-15
Overall COPD	NQO1	rs4985556	A	C	0.198	0.012	0.125	2.58E-63	0.003	0.011	0.789	0.008	282.112	TRUE	8.95E-61
Overall COPD	NQO1	rs570052513	C	T	-0.272	0.021	0.035	4.50E-37	0.011	0.039	0.775	0.005	161.823	TRUE	1.44E-35
Overall COPD	NQO1	rs62050282	T	A	0.135	0.015	0.072	1.38E-19	0.007	0.015	0.617	0.002	81.969	TRUE	1.27E-18
Overall COPD	NQO1	rs62052772	T	C	0.092	0.008	0.343	9.05E-29	0.015	0.008	0.059	0.003	123.852	TRUE	3.19E-26
Overall COPD	NQO1	rs689457	T	C	0.197	0.012	0.119	1.17E-58	-0.017	0.011	0.129	0.007	260.742	TRUE	9.38E-55
Overall COPD	NQO1	rs71395880	A	G	-0.178	0.031	0.016	1.22E-08	-0.044	0.024	0.069	0.001	32.446	TRUE	1.37E-07
Overall COPD	NQO1	rs7185793	A	T	0.077	0.009	0.698	1.88E-19	0.001	0.008	0.916	0.002	81.362	TRUE	8.97E-19
Overall COPD	NQO1	rs72792847	T	C	-0.195	0.011	0.155	7.29E-74	0.017	0.010	0.081	0.009	330.535	TRUE	8.00E-69
Overall COPD	NQO1	rs72801310	G	A	0.133	0.023	0.030	1.09E-08	0.019	0.016	0.224	0.001	32.679	TRUE	6.67E-08
Overall COPD	NQO1	rs74325711	T	C	0.227	0.013	0.100	3.32E-67	0.018	0.010	0.084	0.008	299.966	TRUE	1.46E-62
Overall COPD	NQO1	rs74372881	A	C	-0.213	0.034	0.014	3.47E-10	-0.001	0.026	0.969	0.001	39.391	TRUE	7.12E-10
Overall COPD	NQO1	rs74635215	A	G	-0.100	0.015	0.075	2.47E-11	0.014	0.013	0.270	0.001	44.554	TRUE	1.99E-10

Overall COPD	NQO1	rs74658410	A	G	-0.185	0.032	0.015	8.20E-09	-0.051	0.030	0.091	0.001	33.224	TRUE	8.31E-08
Overall COPD	NQO1	rs78891517	C	G	0.205	0.019	0.045	3.45E-27	0.014	0.020	0.463	0.003	116.627	TRUE	1.06E-25
Overall COPD	NQO1	rs79810797	G	A	-0.764	0.022	0.031	5.11E-263	0.011	0.020	0.572	0.033	1200.285	TRUE	4.33E-250
Overall COPD	NQO1	rs79829970	G	A	0.165	0.016	0.063	3.69E-24	0.002	0.016	0.882	0.003	102.804	TRUE	2.83E-23
Overall COPD	NQO1	rs80191155	A	T	-0.772	0.043	0.008	1.99E-71	-0.052	0.030	0.086	0.009	319.353	TRUE	1.47E-66
Overall COPD	NQO1	rs80270592	T	C	-0.407	0.018	0.049	7.36E-110	0.002	0.017	0.884	0.014	495.884	TRUE	1.48E-105
Overall COPD	NQO1	rs8055929	G	A	0.055	0.008	0.690	1.08E-10	0.009	0.008	0.248	0.001	41.663	TRUE	8.46E-10
Overall COPD	NQO1	rs8056707	A	G	0.203	0.022	0.033	1.83E-20	0.003	0.016	0.859	0.002	85.966	TRUE	1.07E-19
Overall COPD	NQO1	rs8059139	G	A	-0.118	0.018	0.048	1.75E-10	-0.007	0.018	0.716	0.001	40.726	TRUE	5.36E-10
Overall COPD	NQO1	rs8062856	T	C	-0.076	0.008	0.527	4.38E-22	-0.005	0.007	0.486	0.003	93.347	TRUE	7.25E-21
Overall COPD	NQO1	rs936298	T	C	-0.628	0.051	0.006	1.88E-35	-0.022	0.035	0.537	0.004	154.402	TRUE	1.08E-33
Overall COPD	NQO1	rs9925343	C	G	0.187	0.013	0.093	6.51E-44	0.014	0.012	0.221	0.005	193.143	TRUE	3.95E-41
Overall COPD	PIP4K2A	rs11013176	G	A	-0.125	0.009	0.284	1.84E-44	-0.020	0.008	0.013	0.005	195.663	TRUE	2.54E-40
Overall COPD	RALB	rs113551833	A	G	-0.128	0.012	0.117	4.38E-25	0.008	0.013	0.546	0.003	107.027	TRUE	8.43E-24
Overall COPD	RALB	rs11678387	G	A	-0.096	0.009	0.727	7.53E-27	-0.002	0.007	0.821	0.003	115.080	TRUE	8.46E-26
Overall COPD	RALB	rs11684807	G	C	-0.073	0.013	0.894	3.36E-08	-0.021	0.011	0.066	0.001	30.485	TRUE	3.50E-07
Overall COPD	RALB	rs141849010	A	T	0.188	0.028	0.021	2.40E-11	-0.010	0.019	0.593	0.001	44.610	TRUE	9.83E-11
Overall COPD	RALB	rs35787754	A	G	0.064	0.010	0.197	3.29E-10	0.006	0.010	0.574	0.001	39.492	TRUE	1.23E-09
Overall COPD	RALB	rs4849845	A	G	-0.240	0.009	0.700	2.07E-169	0.017	0.008	0.021	0.021	769.675	TRUE	8.30E-158
Overall COPD	RALB	rs55809171	A	G	0.159	0.013	0.102	1.60E-32	0.016	0.013	0.209	0.004	141.007	TRUE	2.61E-30
Overall COPD	RALB	rs62158465	A	C	-0.058	0.009	0.233	7.55E-10	0.001	0.008	0.921	0.001	37.871	TRUE	1.62E-09
Overall COPD	RALB	rs6542589	T	C	-0.059	0.008	0.605	1.14E-12	0.006	0.008	0.430	0.001	50.579	TRUE	7.46E-12
Overall COPD	RALB	rs6718424	C	A	-0.126	0.010	0.188	3.96E-35	0.006	0.009	0.542	0.004	152.924	TRUE	2.17E-33
Overall COPD	RALB	rs77278379	C	T	0.154	0.023	0.030	1.86E-11	-0.059	0.018	9.27E-04	0.001	45.110	TRUE	1.95E-09
Overall COPD	RALB	rs79229708	G	T	0.151	0.018	0.052	2.80E-17	0.002	0.015	0.917	0.002	71.478	TRUE	1.11E-16
Overall COPD	RALB	rs80004304	A	G	0.207	0.029	0.020	7.60E-13	0.023	0.025	0.370	0.001	51.379	TRUE	5.81E-12
Overall COPD	SAT2	rs111498817	T	A	-0.274	0.027	0.022	2.24E-23	-0.083	0.031	0.007	0.003	99.229	TRUE	1.37E-20
Overall COPD	SAT2	rs112982019	C	T	-0.109	0.019	0.048	8.60E-09	0.000	0.020	0.980	0.001	33.132	TRUE	1.56E-08
Overall COPD	SAT2	rs11652508	A	G	0.132	0.008	0.369	3.67E-56	0.008	0.007	0.257	0.007	249.298	TRUE	7.40E-53
Overall COPD	SAT2	rs117334055	A	G	-0.168	0.019	0.049	2.93E-19	-0.023	0.022	0.305	0.002	80.481	TRUE	6.02E-18
Overall COPD	SAT2	rs117646332	A	G	0.135	0.021	0.041	6.53E-11	0.021	0.016	0.176	0.001	42.654	TRUE	6.60E-10
Overall COPD	SAT2	rs12946520	T	G	0.094	0.008	0.624	3.81E-29	-0.006	0.007	0.387	0.004	125.569	TRUE	1.88E-27
Overall COPD	SAT2	rs13894	A	G	-0.328	0.014	0.095	1.52E-126	-0.005	0.013	0.721	0.016	572.583	TRUE	4.01E-121
Overall COPD	SAT2	rs141667726	T	C	-0.263	0.048	0.007	3.07E-08	-0.044	0.048	0.368	0.001	30.663	TRUE	1.29E-07
Overall COPD	SAT2	rs144869039	C	T	-0.287	0.034	0.015	1.66E-17	0.013	0.037	0.724	0.002	72.510	TRUE	9.86E-17
Overall COPD	SAT2	rs1544724	G	T	-0.079	0.008	0.415	3.11E-22	-0.002	0.007	0.774	0.003	94.026	TRUE	2.57E-21
Overall COPD	SAT2	rs1642763	G	A	-0.153	0.010	0.783	1.41E-54	-0.021	0.008	0.008	0.007	242.027	TRUE	1.53E-49
Overall COPD	SAT2	rs17805277	T	G	0.066	0.012	0.137	2.72E-08	-0.003	0.011	0.810	0.001	30.898	TRUE	5.91E-08
Overall COPD	SAT2	rs35386490	C	T	0.085	0.010	0.220	6.65E-18	-0.002	0.010	0.869	0.002	74.313	TRUE	3.06E-17
Overall COPD	SAT2	rs3744262	A	G	0.046	0.008	0.625	3.63E-08	0.004	0.007	0.625	0.001	30.334	TRUE	1.00E-07
Overall COPD	SAT2	rs3809817	G	C	-0.048	0.008	0.357	1.04E-08	-0.002	0.007	0.732	0.001	32.769	TRUE	2.61E-08
Overall COPD	SAT2	rs3809829	G	T	0.053	0.008	0.609	1.58E-10	-0.002	0.007	0.777	0.001	40.927	TRUE	4.42E-10

Overall COPD	SAT2	rs4130509	T	C	-0.055	0.008	0.412	3.04E-11	-0.001	0.007	0.916	0.001	44.149	TRUE	7.35E-11
Overall COPD	SAT2	rs4246413	C	T	-0.147	0.017	0.935	1.32E-18	-0.025	0.016	0.113	0.002	77.506	TRUE	5.94E-17
Overall COPD	SAT2	rs4796406	C	T	-0.070	0.010	0.226	6.53E-13	0.001	0.009	0.894	0.001	51.678	TRUE	1.88E-12
Overall COPD	SAT2	rs4968213	T	C	-0.162	0.021	0.963	3.37E-14	-0.016	0.015	0.271	0.002	57.503	TRUE	4.03E-13
Overall COPD	SAT2	rs67603370	A	G	-0.107	0.016	0.060	6.77E-11	-0.012	0.016	0.453	0.001	42.582	TRUE	3.40E-10
Overall COPD	SAT2	rs7214863	T	C	0.080	0.010	0.765	4.48E-17	-0.002	0.008	0.832	0.002	70.550	TRUE	2.06E-16
Overall COPD	SAT2	rs72841443	A	G	-0.076	0.013	0.110	2.52E-09	0.018	0.013	0.152	0.001	35.525	TRUE	2.15E-08
Overall COPD	SAT2	rs8065089	T	C	-0.111	0.013	0.115	1.74E-18	-0.007	0.011	0.544	0.002	76.956	TRUE	1.69E-17
Overall COPD	SAT2	rs8069501	G	A	0.110	0.017	0.055	2.89E-10	-0.017	0.013	0.177	0.001	39.743	TRUE	2.64E-09
Overall COPD	SAT2	rs8069533	G	A	0.048	0.008	0.542	4.66E-09	0.000	0.007	0.947	0.001	34.325	TRUE	9.02E-09
Overall COPD	SAT2	rs858523	T	C	-0.201	0.008	0.570	1.64E-133	-0.014	0.007	0.044	0.017	604.605	TRUE	1.21E-124
Overall COPD	SAT2	rs9630723	G	A	0.159	0.028	0.021	1.59E-08	-0.004	0.024	0.857	0.001	31.943	TRUE	3.31E-08
Overall COPD	SAT2	rs9914052	C	G	-0.205	0.018	0.051	1.43E-28	-0.034	0.017	0.049	0.003	122.942	TRUE	5.68E-26
Overall COPD	SHH	rs10225292	C	T	-0.093	0.009	0.348	2.18E-26	-0.017	0.007	0.011	0.003	112.971	TRUE	1.78E-23
Overall COPD	SHH	rs1233561	C	A	-0.102	0.018	0.941	6.00E-09	0.001	0.014	0.923	0.001	33.831	TRUE	1.19E-08
Overall COPD	SHH	rs35850787	T	C	-0.051	0.008	0.452	9.35E-10	0.002	0.007	0.748	0.001	37.453	TRUE	2.54E-09
Overall COPD	SHH	rs66704380	G	T	0.061	0.010	0.214	1.78E-09	-0.008	0.009	0.346	0.001	36.199	TRUE	9.23E-09
Overall COPD	SHH	rs9333596	G	A	-0.106	0.011	0.159	2.89E-20	-0.009	0.010	0.357	0.002	85.061	TRUE	5.66E-19
Overall COPD	TMEM106B	rs3173615	G	C	-0.112	0.008	0.402	6.38E-44	0.017	0.008	0.024	0.005	193.186	TRUE	4.86E-40
Overall COPD	TMEM106B	rs35801246	C	T	-0.069	0.012	0.131	2.53E-09	0.008	0.009	0.382	0.001	35.513	TRUE	1.20E-08
COPD in ever smokers	CD14	rs1089304	G	T	0.133	0.010	0.199	3.15E-38	0.015	0.018	0.421	0.005	167.107	TRUE	1.88E-28
COPD in ever smokers	CD14	rs114433024	A	G	-0.149	0.024	0.030	7.63E-10	0.099	0.053	0.061	0.001	37.850	TRUE	4.74E-06
COPD in ever smokers	CD14	rs116728346	C	T	-0.096	0.016	0.069	3.41E-09	0.020	0.036	0.586	0.001	34.934	TRUE	6.37E-07
COPD in ever smokers	CD14	rs11746363	A	G	0.089	0.011	0.155	6.29E-15	-0.007	0.020	0.718	0.002	60.804	TRUE	1.64E-11
COPD in ever smokers	CD14	rs12163954	G	A	0.076	0.014	0.102	4.40E-08	-0.003	0.028	0.920	0.001	29.961	TRUE	1.59E-06
COPD in ever smokers	CD14	rs139907207	G	A	-0.162	0.023	0.032	5.14E-12	-0.067	0.060	0.265	0.001	47.631	TRUE	2.24E-08
COPD in ever smokers	CD14	rs148099171	A	G	0.263	0.021	0.039	1.03E-35	0.055	0.049	0.261	0.004	155.596	TRUE	7.31E-26
COPD in ever smokers	CD14	rs151194218	T	C	-0.174	0.026	0.025	2.32E-11	-0.035	0.068	0.611	0.001	44.681	TRUE	1.34E-08
COPD in ever smokers	CD14	rs155806	G	A	0.080	0.012	0.132	5.76E-11	-0.011	0.023	0.634	0.001	42.896	TRUE	2.44E-08
COPD in ever smokers	CD14	rs17119351	G	A	0.122	0.015	0.075	2.91E-15	-0.039	0.031	0.207	0.002	62.320	TRUE	1.53E-10
COPD in ever smokers	CD14	rs17648271	C	T	0.089	0.014	0.096	2.05E-10	0.042	0.029	0.151	0.001	40.416	TRUE	7.03E-07
COPD in ever smokers	CD14	rs183869	T	C	-0.073	0.011	0.180	9.90E-12	0.031	0.020	0.113	0.001	46.347	TRUE	1.22E-07
COPD in ever smokers	CD14	rs192900523	A	G	0.127	0.018	0.053	4.15E-12	-0.054	0.051	0.286	0.001	48.050	TRUE	1.69E-08
COPD in ever smokers	CD14	rs2060296	A	G	-0.061	0.008	0.499	1.60E-13	0.010	0.015	0.529	0.002	54.445	TRUE	4.39E-10
COPD in ever smokers	CD14	rs2336977	G	A	-0.069	0.010	0.793	1.81E-11	0.001	0.017	0.944	0.001	45.168	TRUE	3.27E-09
COPD in ever smokers	CD14	rs2907302	A	G	0.075	0.009	0.308	2.85E-17	0.009	0.016	0.565	0.002	71.444	TRUE	5.40E-13
COPD in ever smokers	CD14	rs31872	A	G	0.104	0.008	0.581	3.92E-36	-0.030	0.015	0.046	0.004	157.524	TRUE	2.47E-24
COPD in ever smokers	CD14	rs3777106	C	T	0.088	0.012	0.137	4.45E-13	0.034	0.021	0.102	0.001	52.431	TRUE	1.60E-08
COPD in ever smokers	CD14	rs4912936	A	G	-0.062	0.009	0.258	3.56E-11	0.003	0.018	0.864	0.001	43.842	TRUE	7.37E-09
COPD in ever smokers	CD14	rs56958517	A	G	-0.070	0.011	0.186	3.20E-11	-0.006	0.020	0.758	0.001	44.049	TRUE	9.89E-09
COPD in ever smokers	CD14	rs5744454	G	T	-0.239	0.009	0.307	3.69E-161	0.017	0.017	0.315	0.020	731.728	TRUE	3.79E-121
COPD in ever smokers	CD14	rs702401	T	C	-0.184	0.019	0.054	6.72E-23	0.036	0.041	0.386	0.003	97.057	TRUE	9.01E-17

COPD in ever smokers	CD14	rs75882576	C	T	-0.234	0.030	0.019	6.61E-15	0.074	0.064	0.249	0.002	60.708	TRUE	1.99E-10
COPD in ever smokers	CD14	rs76148587	T	C	0.246	0.013	0.116	5.40E-82	-0.017	0.024	0.477	0.010	367.865	TRUE	4.62E-62
COPD in ever smokers	CD14	rs7723119	A	G	-0.079	0.009	0.686	3.22E-19	0.016	0.016	0.323	0.002	80.292	TRUE	7.86E-14
COPD in ever smokers	CD14	rs77819967	G	A	-0.185	0.034	0.016	3.65E-08	-0.155	0.066	0.018	0.001	30.326	TRUE	1.58E-04
COPD in ever smokers	CD14	rs78656209	A	G	0.115	0.019	0.049	1.88E-09	-0.041	0.036	0.253	0.001	36.095	TRUE	1.68E-06
COPD in ever smokers	CD14	rs80005413	A	G	0.185	0.022	0.037	1.03E-17	0.083	0.043	0.056	0.002	73.458	TRUE	2.10E-11
COPD in ever smokers	CD14	rs1089304	G	T	0.100	0.010	0.199	7.73E-23	0.015	0.018	0.421	0.003	96.780	TRUE	7.86E-17
COPD in ever smokers	CD14	rs11746363	A	G	0.067	0.011	0.155	2.89E-09	-0.007	0.020	0.718	0.001	35.255	TRUE	3.60E-07
COPD in ever smokers	CD14	rs13166235	A	G	-0.118	0.013	0.107	4.53E-19	0.007	0.029	0.811	0.002	79.617	TRUE	6.85E-15
COPD in ever smokers	CD14	rs141074724	G	A	-0.103	0.012	0.124	4.15E-17	0.029	0.026	0.256	0.002	70.699	TRUE	4.68E-12
COPD in ever smokers	CD14	rs148099171	A	G	0.195	0.021	0.039	5.61E-21	0.055	0.049	0.261	0.002	88.301	TRUE	6.41E-15
COPD in ever smokers	CD14	rs155806	G	A	0.075	0.012	0.132	4.50E-10	-0.011	0.023	0.634	0.001	38.883	TRUE	1.16E-07
COPD in ever smokers	CD14	rs17119351	G	A	0.085	0.015	0.075	3.05E-08	-0.039	0.031	0.207	0.001	30.677	TRUE	1.58E-05
COPD in ever smokers	CD14	rs2060296	A	G	-0.050	0.008	0.499	9.81E-10	0.010	0.015	0.529	0.001	37.360	TRUE	3.07E-07
COPD in ever smokers	CD14	rs2336977	G	A	-0.059	0.010	0.793	5.06E-09	0.001	0.017	0.944	0.001	34.165	TRUE	2.71E-07
COPD in ever smokers	CD14	rs31872	A	G	0.089	0.008	0.581	2.57E-27	-0.030	0.015	0.046	0.003	117.216	TRUE	4.94E-18
COPD in ever smokers	CD14	rs5744454	G	T	-0.190	0.009	0.307	1.07E-104	0.017	0.017	0.315	0.013	472.161	TRUE	2.70E-78
COPD in ever smokers	CD14	rs702401	T	C	-0.121	0.018	0.054	4.51E-11	0.036	0.041	0.386	0.001	43.376	TRUE	5.69E-08
COPD in ever smokers	CD14	rs76148587	T	C	0.179	0.013	0.116	1.79E-45	-0.017	0.024	0.477	0.006	200.290	TRUE	3.51E-34
COPD in ever smokers	CD14	rs7723119	A	G	-0.054	0.009	0.686	7.99E-10	0.016	0.016	0.323	0.001	37.761	TRUE	6.31E-07
COPD in ever smokers	CD14	rs78582690	A	G	-0.206	0.030	0.019	3.68E-12	0.077	0.064	0.233	0.001	48.284	TRUE	2.17E-08
COPD in ever smokers	CD14	rs78668600	G	A	-0.137	0.021	0.039	6.01E-11	0.107	0.053	0.045	0.001	42.817	TRUE	1.16E-06
COPD in ever smokers	CD14	rs78792314	A	G	-0.136	0.020	0.041	3.43E-11	-0.011	0.046	0.816	0.001	43.913	TRUE	8.46E-09
COPD in ever smokers	CD14	rs80005413	A	G	0.142	0.021	0.037	2.44E-11	0.083	0.043	0.056	0.001	44.579	TRUE	5.09E-07
COPD in ever smokers	FER	rs115594202	G	T	0.115	0.019	0.051	7.90E-10	0.039	0.037	0.291	0.001	37.784	TRUE	7.35E-07
COPD in ever smokers	FER	rs13178668	G	A	0.076	0.008	0.382	1.37E-19	-0.036	0.015	0.018	0.002	81.976	TRUE	4.81E-12
COPD in ever smokers	GNPTG	rs1004041	T	G	-0.052	0.008	0.505	2.24E-10	-0.014	0.015	0.334	0.001	40.243	TRUE	2.37E-07
COPD in ever smokers	GNPTG	rs112050253	A	G	0.205	0.033	0.017	3.65E-10	0.001	0.051	0.983	0.001	39.287	TRUE	3.04E-08
COPD in ever smokers	GNPTG	rs113424510	C	T	0.161	0.010	0.191	3.39E-53	-0.002	0.019	0.903	0.007	235.698	TRUE	1.14E-41
COPD in ever smokers	GNPTG	rs117024768	A	G	0.145	0.024	0.032	9.79E-10	-0.021	0.040	0.591	0.001	37.363	TRUE	2.44E-07
COPD in ever smokers	GNPTG	rs117974048	T	C	0.267	0.033	0.015	1.11E-15	0.006	0.050	0.909	0.002	64.226	TRUE	1.90E-12
COPD in ever smokers	GNPTG	rs12596752	T	C	0.055	0.008	0.395	4.26E-11	-0.027	0.015	0.079	0.001	43.489	TRUE	5.09E-07
COPD in ever smokers	GNPTG	rs12923143	C	T	0.259	0.029	0.021	2.87E-19	-0.005	0.051	0.914	0.002	80.519	TRUE	2.95E-15
COPD in ever smokers	GNPTG	rs12925270	A	C	-0.058	0.010	0.220	5.80E-09	0.015	0.018	0.418	0.001	33.900	TRUE	1.77E-06
COPD in ever smokers	GNPTG	rs13331559	A	C	-0.056	0.008	0.398	1.70E-11	-0.008	0.016	0.617	0.001	45.292	TRUE	1.03E-08
COPD in ever smokers	GNPTG	rs13334032	C	T	-0.071	0.008	0.489	1.04E-17	0.007	0.015	0.653	0.002	73.429	TRUE	1.62E-13
COPD in ever smokers	GNPTG	rs140532679	G	A	0.352	0.032	0.017	1.34E-27	-0.002	0.057	0.973	0.003	118.509	TRUE	6.64E-22
COPD in ever smokers	GNPTG	rs1810481	T	C	0.096	0.011	0.178	2.37E-19	-0.019	0.019	0.338	0.002	80.897	TRUE	5.63E-14
COPD in ever smokers	GNPTG	rs1962736	A	G	0.056	0.008	0.433	1.50E-11	0.004	0.015	0.811	0.001	45.528	TRUE	4.55E-09
COPD in ever smokers	GNPTG	rs2281194	G	A	-0.090	0.008	0.566	1.05E-27	0.028	0.015	0.066	0.003	118.988	TRUE	1.35E-18
COPD in ever smokers	GNPTG	rs28655879	T	C	-0.063	0.010	0.234	8.85E-11	-0.005	0.020	0.791	0.001	42.058	TRUE	1.92E-08
COPD in ever smokers	GNPTG	rs4984832	T	C	-0.128	0.008	0.471	5.82E-55	-0.034	0.015	0.022	0.007	243.791	TRUE	3.14E-37

COPD in ever smokers	GNPTG	rs560262828	C	T	0.183	0.024	0.031	5.77E-14	-0.032	0.045	0.478	0.002	56.444	TRUE	2.59E-10
COPD in ever smokers	GNPTG	rs62012794	T	C	0.069	0.011	0.173	1.74E-10	-0.007	0.020	0.735	0.001	40.737	TRUE	3.94E-08
COPD in ever smokers	GNPTG	rs6600145	G	A	-0.127	0.015	0.079	7.63E-17	-0.016	0.026	0.548	0.002	69.499	TRUE	1.24E-12
COPD in ever smokers	GNPTG	rs6600147	T	C	0.047	0.008	0.610	2.76E-08	-0.006	0.016	0.700	0.001	30.866	TRUE	2.14E-06
COPD in ever smokers	GNPTG	rs71380262	C	T	0.115	0.013	0.116	1.83E-19	0.000	0.024	0.996	0.002	81.410	TRUE	1.41E-15
COPD in ever smokers	GNPTG	rs7191464	T	C	0.122	0.021	0.040	3.26E-09	0.056	0.038	0.135	0.001	35.022	TRUE	5.50E-06
COPD in ever smokers	GNPTG	rs761068	A	G	-0.126	0.009	0.709	8.58E-45	-0.012	0.017	0.494	0.006	197.177	TRUE	9.90E-34
COPD in ever smokers	GNPTG	rs8049082	A	G	0.125	0.016	0.067	1.95E-14	0.022	0.035	0.527	0.002	58.580	TRUE	9.07E-11
COPD in ever smokers	GNPTG	rs8061645	T	C	0.173	0.026	0.026	3.95E-11	0.089	0.059	0.131	0.001	43.637	TRUE	2.66E-07
COPD in ever smokers	GNPTG	rs9935079	A	G	0.062	0.009	0.283	8.77E-12	-0.007	0.018	0.674	0.001	46.582	TRUE	5.02E-09
COPD in ever smokers	HSPA1B	rs28590669	G	A	0.057	0.010	0.175	3.90E-08	-0.006	0.026	0.812	0.001	30.197	TRUE	1.99E-06
COPD in ever smokers	HSPA1B	rs34656207	T	C	0.046	0.008	0.406	9.08E-09	-0.047	0.016	0.003	0.001	33.027	TRUE	2.16E-04
COPD in ever smokers	MAPK3	rs1064524	T	C	0.112	0.019	0.045	7.88E-09	-0.060	0.034	0.075	0.001	33.302	TRUE	1.85E-05
COPD in ever smokers	MAPK3	rs11642632	A	G	-0.117	0.019	0.048	8.11E-10	0.086	0.038	0.024	0.001	37.731	TRUE	1.12E-05
COPD in ever smokers	MAPK3	rs142097700	A	G	0.147	0.023	0.034	1.32E-10	-0.152	0.054	0.005	0.001	41.270	TRUE	1.23E-05
COPD in ever smokers	MAPK3	rs142915099	A	G	0.144	0.023	0.032	8.82E-10	-0.009	0.057	0.874	0.001	37.567	TRUE	8.66E-08
COPD in ever smokers	MAPK3	rs149549354	G	A	0.114	0.020	0.043	6.74E-09	0.033	0.040	0.404	0.001	33.605	TRUE	2.08E-06
COPD in ever smokers	MAPK3	rs190486351	T	C	0.139	0.016	0.065	3.81E-17	-0.059	0.037	0.114	0.002	70.867	TRUE	1.86E-11
COPD in ever smokers	MAPK3	rs34286592	T	C	-0.062	0.011	0.157	3.19E-08	0.043	0.021	0.042	0.001	30.586	TRUE	7.81E-05
COPD in ever smokers	MAPK3	rs34679599	T	C	-0.112	0.014	0.099	2.08E-16	0.019	0.027	0.486	0.002	67.519	TRUE	3.65E-12
COPD in ever smokers	MAPK3	rs4500746	C	T	0.076	0.009	0.662	8.22E-19	-0.044	0.016	0.006	0.002	78.442	TRUE	5.54E-11
COPD in ever smokers	MAPK3	rs4788186	G	A	-0.114	0.008	0.631	2.65E-41	0.018	0.015	0.247	0.005	181.190	TRUE	5.82E-30
COPD in ever smokers	MAPK3	rs55732507	C	T	0.240	0.008	0.400	9.45E-188	-0.045	0.015	0.003	0.023	854.028	TRUE	1.93E-131
COPD in ever smokers	MAPK3	rs56329348	A	G	0.181	0.022	0.037	1.08E-16	-0.046	0.039	0.241	0.002	68.816	TRUE	1.05E-11
COPD in ever smokers	MAPK3	rs62054903	G	A	0.136	0.024	0.028	2.56E-08	-0.125	0.053	0.018	0.001	31.011	TRUE	1.26E-04
COPD in ever smokers	MAPK3	rs6565174	C	A	0.162	0.012	0.869	3.82E-41	-0.030	0.023	0.198	0.005	180.462	TRUE	1.50E-29
COPD in ever smokers	MAPK3	rs76840156	T	C	0.128	0.023	0.032	3.72E-08	0.029	0.053	0.587	0.001	30.288	TRUE	3.83E-06
COPD in ever smokers	MAPK3	rs80154727	A	G	-0.172	0.031	0.018	1.78E-08	0.190	0.069	0.006	0.001	31.718	TRUE	2.07E-04
COPD in ever smokers	MAPK3	rs9936065	T	C	0.146	0.022	0.037	1.79E-11	-0.093	0.046	0.042	0.001	45.181	TRUE	5.60E-07
COPD in ever smokers	MPO	rs10445323	G	A	0.060	0.009	0.268	3.18E-10	-0.039	0.017	0.022	0.001	39.559	TRUE	6.70E-06
COPD in ever smokers	MPO	rs112605641	T	C	0.114	0.013	0.112	1.36E-17	0.017	0.023	0.450	0.002	72.897	TRUE	5.71E-13
COPD in ever smokers	MPO	rs117836409	G	A	0.179	0.030	0.020	3.00E-09	0.034	0.047	0.478	0.001	35.182	TRUE	8.58E-07
COPD in ever smokers	MPO	rs11869546	A	G	-0.173	0.016	0.075	2.71E-28	0.005	0.032	0.862	0.003	121.675	TRUE	3.62E-22
COPD in ever smokers	MPO	rs12051896	G	A	0.118	0.009	0.652	9.05E-42	0.021	0.016	0.177	0.005	183.328	TRUE	7.22E-30
COPD in ever smokers	MPO	rs12150552	T	C	0.065	0.009	0.383	6.92E-14	-0.020	0.015	0.206	0.002	56.088	TRUE	1.52E-09
COPD in ever smokers	MPO	rs12232532	C	A	-0.116	0.016	0.070	1.87E-12	-0.043	0.032	0.189	0.001	49.609	TRUE	1.85E-08
COPD in ever smokers	MPO	rs12449936	T	C	0.119	0.019	0.048	6.93E-10	0.011	0.035	0.741	0.001	38.038	TRUE	1.11E-07
COPD in ever smokers	MPO	rs12451466	A	G	0.230	0.012	0.136	1.43E-79	0.017	0.020	0.408	0.010	356.744	TRUE	7.96E-60
COPD in ever smokers	MPO	rs12945095	G	A	-0.123	0.009	0.280	3.51E-40	0.031	0.018	0.081	0.005	176.053	TRUE	8.39E-28
COPD in ever smokers	MPO	rs12945949	C	A	-0.096	0.012	0.135	6.62E-15	-0.019	0.022	0.377	0.002	60.705	TRUE	8.79E-11
COPD in ever smokers	MPO	rs12949434	G	A	0.064	0.010	0.199	1.12E-09	0.006	0.020	0.780	0.001	37.098	TRUE	1.42E-07
COPD in ever smokers	MPO	rs140384738	A	G	-0.163	0.027	0.025	2.59E-09	0.139	0.054	0.011	0.001	35.469	TRUE	4.35E-05

COPD in ever smokers	MPO	rs140972189	C	T	-0.195	0.026	0.027	9.27E-14	-0.057	0.057	0.317	0.002	55.513	TRUE	8.73E-10
COPD in ever smokers	MPO	rs143454846	G	T	-0.773	0.034	0.016	2.27E-112	-0.049	0.057	0.381	0.014	507.423	TRUE	1.25E-84
COPD in ever smokers	MPO	rs146512685	C	T	-0.301	0.036	0.014	5.99E-17	-0.016	0.052	0.763	0.002	69.977	TRUE	3.73E-13
COPD in ever smokers	MPO	rs16942800	A	G	0.161	0.023	0.034	2.41E-12	-0.003	0.042	0.938	0.001	49.118	TRUE	6.89E-10
COPD in ever smokers	MPO	rs17835070	A	G	-0.223	0.028	0.023	6.67E-16	0.015	0.051	0.767	0.002	65.226	TRUE	2.35E-12
COPD in ever smokers	MPO	rs181257	T	C	-0.089	0.010	0.800	1.39E-17	0.010	0.018	0.583	0.002	72.859	TRUE	2.86E-13
COPD in ever smokers	MPO	rs2585830	G	T	0.128	0.011	0.822	4.41E-31	-0.037	0.019	0.045	0.004	134.419	TRUE	1.09E-20
COPD in ever smokers	MPO	rs2586086	G	A	-0.086	0.014	0.905	1.34E-09	0.057	0.046	0.214	0.001	36.756	TRUE	1.66E-06
COPD in ever smokers	MPO	rs34097845	T	C	-0.518	0.018	0.057	2.53E-177	0.029	0.033	0.382	0.022	806.065	TRUE	4.67E-134
COPD in ever smokers	MPO	rs35892171	A	G	-0.695	0.029	0.021	1.28E-126	-0.009	0.050	0.854	0.016	572.917	TRUE	2.14E-98
COPD in ever smokers	MPO	rs36056793	A	G	0.124	0.015	0.084	4.30E-17	-0.034	0.031	0.272	0.002	70.630	TRUE	4.25E-12
COPD in ever smokers	MPO	rs4793933	A	G	-0.120	0.009	0.690	4.54E-40	0.002	0.016	0.890	0.005	175.540	TRUE	2.07E-31
COPD in ever smokers	MPO	rs56378716	G	A	-0.539	0.032	0.017	1.79E-65	-0.012	0.065	0.850	0.008	292.014	TRUE	5.15E-51
COPD in ever smokers	MPO	rs59516185	G	A	-0.082	0.012	0.143	1.29E-11	-0.016	0.021	0.439	0.001	45.834	TRUE	1.76E-08
COPD in ever smokers	MPO	rs60011459	T	C	0.082	0.013	0.109	6.87E-10	0.022	0.027	0.419	0.001	38.055	TRUE	3.65E-07
COPD in ever smokers	MPO	rs62058369	T	C	-0.084	0.013	0.113	1.57E-10	0.035	0.024	0.150	0.001	40.944	TRUE	5.84E-07
COPD in ever smokers	MPO	rs62081796	C	T	0.149	0.018	0.055	6.15E-16	0.010	0.033	0.763	0.002	65.385	TRUE	2.25E-12
COPD in ever smokers	MPO	rs62636635	T	C	-0.371	0.020	0.045	3.72E-73	-0.011	0.034	0.754	0.009	327.285	TRUE	1.42E-56
COPD in ever smokers	MPO	rs6503837	G	A	0.077	0.008	0.513	2.98E-20	-0.015	0.015	0.313	0.002	84.996	TRUE	1.45E-14
COPD in ever smokers	MPO	rs68117086	C	T	-0.088	0.009	0.356	3.38E-24	0.008	0.016	0.620	0.003	102.977	TRUE	2.11E-18
COPD in ever smokers	MPO	rs7208693	A	C	-0.189	0.013	0.122	4.66E-50	0.036	0.028	0.207	0.006	221.310	TRUE	2.98E-36
COPD in ever smokers	MPO	rs74358156	A	G	-0.183	0.025	0.031	1.02E-13	0.057	0.040	0.154	0.002	55.321	TRUE	3.17E-09
COPD in ever smokers	MPO	rs75329058	A	G	0.090	0.016	0.077	8.05E-09	0.038	0.033	0.244	0.001	33.261	TRUE	5.01E-06
COPD in ever smokers	MPO	rs77771777	T	C	-0.216	0.024	0.031	1.17E-19	0.035	0.040	0.388	0.002	82.299	TRUE	2.36E-14
COPD in ever smokers	MPO	rs78140659	A	G	-0.069	0.011	0.181	2.52E-10	-0.007	0.020	0.715	0.001	40.016	TRUE	5.61E-08
COPD in ever smokers	MPO	rs79301113	T	G	0.175	0.025	0.029	2.16E-12	0.075	0.039	0.055	0.001	49.330	TRUE	9.93E-08
COPD in ever smokers	MPO	rs8065435	A	G	0.082	0.009	0.346	7.43E-21	-0.018	0.016	0.270	0.002	87.744	TRUE	7.31E-15
COPD in ever smokers	MPO	rs8078719	A	G	0.073	0.009	0.729	8.08E-15	0.025	0.016	0.129	0.002	60.312	TRUE	6.80E-10
COPD in ever smokers	MPO	rs888115	C	T	0.051	0.009	0.649	7.49E-09	-0.027	0.016	0.077	0.001	33.402	TRUE	1.75E-05
COPD in ever smokers	MPO	rs917606	C	T	-0.156	0.009	0.286	1.67E-63	0.022	0.018	0.212	0.008	282.976	TRUE	2.29E-46
COPD in ever smokers	MPO	rs9303395	C	T	0.201	0.028	0.976	3.21E-13	0.035	0.039	0.357	0.001	53.070	TRUE	1.73E-09
COPD in ever smokers	MPO	rs9893648	A	G	-0.054	0.008	0.421	1.95E-10	0.030	0.015	0.051	0.001	40.517	TRUE	2.24E-06
COPD in ever smokers	SFRP1	rs113287539	A	G	-0.110	0.020	0.046	3.24E-08	0.019	0.048	0.695	0.001	30.557	TRUE	2.45E-06
COPD in ever smokers	SFRP1	rs11778807	T	C	-0.113	0.013	0.878	1.07E-18	-0.016	0.021	0.451	0.002	77.913	TRUE	8.43E-14
COPD in ever smokers	SFRP1	rs12547239	A	G	-0.062	0.009	0.687	7.51E-12	-0.006	0.016	0.726	0.001	46.887	TRUE	3.65E-09
COPD in ever smokers	SFRP1	rs13268698	G	T	0.183	0.023	0.032	5.75E-15	-0.005	0.046	0.915	0.002	60.982	TRUE	6.72E-12
COPD in ever smokers	SFRP1	rs138953270	A	G	0.081	0.012	0.137	5.60E-11	0.030	0.023	0.203	0.001	42.952	TRUE	1.88E-07
COPD in ever smokers	SFRP1	rs143089503	T	C	-0.118	0.019	0.054	2.92E-10	-0.054	0.034	0.113	0.001	39.728	TRUE	1.28E-06
COPD in ever smokers	SFRP1	rs145917781	T	C	0.245	0.031	0.018	5.25E-15	0.054	0.064	0.400	0.002	61.162	TRUE	6.50E-11
COPD in ever smokers	SFRP1	rs149469919	G	A	-0.181	0.030	0.020	1.58E-09	0.017	0.059	0.770	0.001	36.431	TRUE	1.91E-07
COPD in ever smokers	SFRP1	rs150153367	A	G	-0.180	0.028	0.023	1.32E-10	-0.140	0.049	0.004	0.001	41.284	TRUE	1.35E-05
COPD in ever smokers	SFRP1	rs183616820	G	A	-0.243	0.036	0.014	8.34E-12	0.019	0.053	0.715	0.001	46.682	TRUE	4.12E-09

COPD in ever smokers	SFRP1	rs34575371	T	C	0.126	0.014	0.096	8.70E-19	0.019	0.023	0.410	0.002	78.329	TRUE	9.24E-14
COPD in ever smokers	SFRP1	rs35559207	C	T	0.069	0.011	0.178	3.28E-10	0.032	0.021	0.124	0.001	39.500	TRUE	1.24E-06
COPD in ever smokers	SFRP1	rs56349125	T	G	0.083	0.012	0.145	2.64E-12	0.000	0.023	0.994	0.001	48.940	TRUE	6.03E-10
COPD in ever smokers	SFRP1	rs62642264	T	C	-0.130	0.013	0.128	6.42E-25	-0.010	0.022	0.640	0.003	106.269	TRUE	5.26E-19
COPD in ever smokers	SFRP1	rs62642270	G	A	-0.129	0.011	0.162	1.53E-29	-0.029	0.020	0.149	0.004	127.375	TRUE	1.20E-20
COPD in ever smokers	SFRP1	rs62642295	C	T	0.133	0.019	0.049	5.13E-12	-0.025	0.029	0.402	0.001	47.635	TRUE	1.06E-08
COPD in ever smokers	SFRP1	rs6415707	G	T	-0.120	0.009	0.285	4.25E-38	-0.026	0.017	0.125	0.005	166.515	TRUE	9.63E-27
COPD in ever smokers	SFRP1	rs6651363	A	G	0.063	0.009	0.347	9.31E-13	0.012	0.015	0.417	0.001	50.981	TRUE	2.78E-09
COPD in ever smokers	SFRP1	rs72643819	T	G	-0.158	0.008	0.418	5.87E-77	-0.030	0.015	0.048	0.010	344.737	TRUE	3.73E-54
COPD in ever smokers	SFRP1	rs72645550	T	G	-0.157	0.027	0.025	4.45E-09	-0.053	0.052	0.308	0.001	34.414	TRUE	2.35E-06
COPD in ever smokers	SFRP1	rs74501864	C	T	-0.106	0.017	0.064	8.07E-10	0.032	0.033	0.333	0.001	37.742	TRUE	6.07E-07
COPD in ever smokers	SFRP1	rs75155803	C	T	0.177	0.019	0.050	2.60E-20	-0.004	0.038	0.913	0.002	85.269	TRUE	4.55E-16
COPD in ever smokers	SFRP1	rs76346677	T	C	0.183	0.016	0.074	3.59E-30	-0.039	0.027	0.151	0.004	130.254	TRUE	3.98E-21
COPD in ever smokers	SFRP1	rs7813807	A	C	-0.126	0.008	0.467	2.50E-51	-0.012	0.015	0.408	0.006	227.136	TRUE	2.44E-38
COPD in ever smokers	SFRP1	rs78408644	A	G	0.243	0.041	0.011	2.12E-09	-0.049	0.064	0.447	0.001	35.857	TRUE	7.49E-07
COPD in ever smokers	SFRP1	rs933832	C	A	-0.060	0.009	0.674	2.42E-11	-0.005	0.015	0.748	0.001	44.592	TRUE	8.28E-09
COPD in ever smokers	WWOX	rs11545029	A	G	-0.070	0.008	0.617	6.34E-18	0.042	0.015	0.006	0.002	74.407	TRUE	2.17E-10
COPD in ever smokers	WWOX	rs4888769	C	T	0.051	0.008	0.606	1.47E-10	-0.013	0.015	0.397	0.001	41.069	TRUE	1.29E-07
COPD in never smokers	ERBB3	rs140116753	G	A	-0.076	0.014	0.099	3.59E-08	0.058	0.034	0.082	0.001	30.358	TRUE	4.72E-05
COPD in never smokers	ERBB3	rs2292238	C	A	-0.107	0.008	0.400	1.83E-37	0.065	0.017	9.51E-05	0.005	163.615	TRUE	2.00E-21
COPD in never smokers	GM2A	rs10039591	A	G	0.058	0.009	0.622	1.54E-11	0.014	0.017	0.396	0.001	45.484	TRUE	2.45E-08
COPD in never smokers	GM2A	rs1061837	A	G	0.054	0.008	0.491	1.35E-10	0.068	0.016	3.90E-05	0.001	41.231	TRUE	1.61E-04
COPD in never smokers	GM2A	rs113270088	C	A	-0.111	0.018	0.058	5.44E-10	-0.111	0.039	0.004	0.001	38.511	TRUE	3.03E-05
COPD in never smokers	GM2A	rs114154431	C	A	0.353	0.045	0.008	8.18E-15	0.103	0.060	0.084	0.002	60.287	TRUE	1.27E-09
COPD in never smokers	GM2A	rs114421242	A	G	-0.091	0.016	0.071	3.59E-08	0.009	0.037	0.806	0.001	30.358	TRUE	1.89E-06
COPD in never smokers	GM2A	rs115977236	A	G	-0.148	0.027	0.026	2.63E-08	0.086	0.059	0.144	0.001	30.960	TRUE	2.16E-05
COPD in never smokers	GM2A	rs116432609	G	A	0.126	0.020	0.048	2.02E-10	-0.009	0.046	0.851	0.001	40.448	TRUE	2.97E-08
COPD in never smokers	GM2A	rs11739782	A	G	-0.063	0.011	0.176	8.61E-09	-0.034	0.023	0.145	0.001	33.130	TRUE	9.94E-06
COPD in never smokers	GM2A	rs12654497	T	C	0.086	0.011	0.186	1.04E-15	-0.032	0.021	0.137	0.002	64.344	TRUE	1.45E-10
COPD in never smokers	GM2A	rs137921084	G	A	0.351	0.022	0.037	3.29E-57	0.076	0.052	0.142	0.007	254.102	TRUE	4.79E-41
COPD in never smokers	GM2A	rs148847411	T	C	0.089	0.011	0.170	1.17E-15	0.063	0.022	0.005	0.002	64.121	TRUE	7.55E-09
COPD in never smokers	GM2A	rs2112635	T	C	-0.086	0.009	0.686	1.06E-21	0.042	0.018	0.017	0.003	91.604	TRUE	1.81E-13
COPD in never smokers	GM2A	rs248454	A	G	-0.061	0.009	0.680	1.55E-11	0.027	0.018	0.125	0.001	45.469	TRUE	1.46E-07
COPD in never smokers	GM2A	rs248467	A	G	0.238	0.009	0.356	3.48E-168	0.036	0.017	0.036	0.021	764.037	TRUE	2.81E-121
COPD in never smokers	GM2A	rs352702	T	C	-0.105	0.014	0.101	2.90E-14	-0.022	0.028	0.417	0.002	57.800	TRUE	2.11E-10
COPD in never smokers	GM2A	rs3756627	T	C	-0.288	0.022	0.036	1.72E-37	-0.008	0.048	0.866	0.005	163.737	TRUE	2.48E-29
COPD in never smokers	GM2A	rs3792773	A	G	0.208	0.019	0.051	1.85E-28	-0.053	0.045	0.247	0.003	122.434	TRUE	2.15E-20
COPD in never smokers	GM2A	rs4958872	T	C	0.058	0.010	0.754	2.35E-09	-0.018	0.019	0.348	0.001	35.662	TRUE	1.23E-06
COPD in never smokers	GM2A	rs4958889	T	C	0.091	0.014	0.105	2.01E-11	-0.035	0.024	0.150	0.001	44.958	TRUE	1.39E-07
COPD in never smokers	GM2A	rs4958896	T	C	0.047	0.008	0.482	2.02E-08	-0.039	0.017	0.019	0.001	31.476	TRUE	1.07E-04
COPD in never smokers	GM2A	rs66495175	A	C	0.112	0.014	0.092	7.14E-15	0.024	0.028	0.399	0.002	60.554	TRUE	8.19E-11
COPD in never smokers	GM2A	rs6896503	A	G	0.099	0.008	0.551	1.00E-31	0.031	0.017	0.064	0.004	137.358	TRUE	1.89E-21

COPD in never smokers	GM2A	rs6897702	A	C	-0.088	0.011	0.196	1.02E-16	0.021	0.022	0.333	0.002	68.934	TRUE	5.21E-12
COPD in never smokers	GM2A	rs72790122	A	G	0.107	0.018	0.063	1.01E-09	-0.048	0.037	0.197	0.001	37.313	TRUE	1.52E-06
COPD in never smokers	GM2A	rs72792113	C	T	0.189	0.024	0.031	4.95E-15	0.161	0.058	0.006	0.002	61.278	TRUE	1.62E-08
COPD in never smokers	GM2A	rs72794132	T	C	0.321	0.011	0.164	3.52E-184	0.077	0.021	3.22E-04	0.023	837.601	TRUE	8.53E-126
COPD in never smokers	GM2A	rs76177397	C	T	-0.160	0.029	0.023	2.75E-08	0.024	0.049	0.630	0.001	30.878	TRUE	2.66E-06
COPD in never smokers	GM2A	rs76910269	T	G	0.193	0.013	0.124	2.99E-52	0.034	0.023	0.137	0.006	231.360	TRUE	2.62E-37
COPD in never smokers	GM2A	rs78605922	A	G	-0.199	0.035	0.015	1.49E-08	0.146	0.070	0.037	0.001	32.063	TRUE	5.23E-05
COPD in never smokers	GM2A	rs80209179	C	T	0.177	0.026	0.027	1.06E-11	0.097	0.057	0.089	0.001	46.217	TRUE	1.71E-07
COPD in never smokers	GM2A	rs9324677	C	A	-0.065	0.008	0.584	1.40E-14	0.023	0.017	0.173	0.002	59.238	TRUE	6.38E-10
COPD in never smokers	HEXB	rs10070207	T	G	-0.093	0.011	0.169	9.79E-18	0.001	0.020	0.970	0.002	73.551	TRUE	3.62E-14
COPD in never smokers	HEXB	rs115464765	A	G	-0.119	0.022	0.036	3.26E-08	-0.050	0.047	0.287	0.001	30.545	TRUE	1.09E-05
COPD in never smokers	HEXB	rs11749435	A	G	-0.100	0.011	0.159	2.39E-19	-0.003	0.022	0.887	0.002	80.880	TRUE	2.92E-15
COPD in never smokers	HEXB	rs12516258	T	C	0.265	0.011	0.176	2.79E-136	0.017	0.021	0.423	0.017	617.336	TRUE	3.75E-103
COPD in never smokers	HEXB	rs13164140	A	G	0.272	0.009	0.271	7.60E-197	0.047	0.019	0.015	0.025	895.859	TRUE	7.34E-141
COPD in never smokers	HEXB	rs13184097	A	C	0.242	0.034	0.016	6.29E-13	-0.008	0.062	0.903	0.001	51.751	TRUE	2.76E-10
COPD in never smokers	HEXB	rs141867747	T	G	-0.155	0.026	0.025	4.42E-09	-0.164	0.076	0.031	0.001	34.428	TRUE	2.74E-05
COPD in never smokers	HEXB	rs192389282	A	G	0.275	0.025	0.027	6.83E-28	-0.006	0.084	0.943	0.003	119.843	TRUE	4.67E-22
COPD in never smokers	HEXB	rs2454847	T	C	0.056	0.009	0.238	2.87E-09	-0.021	0.019	0.268	0.001	35.265	TRUE	2.11E-06
COPD in never smokers	HEXB	rs62366364	G	A	-0.298	0.014	0.088	9.28E-97	-0.113	0.057	0.048	0.012	435.690	TRUE	8.65E-69
COPD in never smokers	HEXB	rs6453074	G	A	0.064	0.010	0.813	8.01E-10	0.000	0.020	0.985	0.001	37.755	TRUE	5.60E-08
COPD in never smokers	HEXB	rs6453091	G	A	-0.177	0.009	0.276	6.97E-85	-0.025	0.018	0.179	0.011	381.134	TRUE	4.05E-62
COPD in never smokers	HEXB	rs79357178	T	C	0.215	0.026	0.024	4.60E-16	-0.009	0.057	0.870	0.002	65.958	TRUE	1.13E-12
COPD in never smokers	HEXB	rs820878	C	T	0.527	0.020	0.957	1.95E-151	0.042	0.040	0.287	0.019	687.020	TRUE	1.67E-113
COPD in never smokers	IL6R	rs10494301	C	T	0.054	0.009	0.659	1.17E-09	0.013	0.018	0.467	0.001	37.022	TRUE	4.44E-07
COPD in never smokers	IL6R	rs10494303	A	G	0.113	0.009	0.415	1.72E-40	0.047	0.017	0.005	0.005	177.465	TRUE	1.04E-25
COPD in never smokers	IL6R	rs10796927	C	T	0.289	0.010	0.244	8.84E-199	0.004	0.018	0.845	0.025	904.758	TRUE	5.74E-154
COPD in never smokers	IL6R	rs10908429	T	C	0.120	0.009	0.281	2.33E-38	-0.009	0.018	0.611	0.005	167.710	TRUE	3.16E-29
COPD in never smokers	IL6R	rs111237020	T	C	0.395	0.019	0.050	4.27E-99	0.062	0.037	0.100	0.012	446.423	TRUE	1.05E-71
COPD in never smokers	IL6R	rs111303174	A	C	-0.372	0.019	0.050	5.19E-86	-0.045	0.047	0.341	0.011	386.317	TRUE	2.68E-64
COPD in never smokers	IL6R	rs111875284	A	G	0.294	0.024	0.031	8.73E-35	0.019	0.052	0.715	0.004	151.355	TRUE	8.48E-27
COPD in never smokers	IL6R	rs112340875	C	T	-0.166	0.024	0.030	1.27E-11	-0.089	0.063	0.155	0.001	45.864	TRUE	9.57E-08
COPD in never smokers	IL6R	rs112356447	A	G	-0.182	0.018	0.059	2.04E-25	-0.018	0.042	0.664	0.003	108.538	TRUE	1.90E-19
COPD in never smokers	IL6R	rs11264251	G	A	0.061	0.008	0.574	8.19E-13	0.005	0.017	0.766	0.001	51.232	TRUE	5.70E-10
COPD in never smokers	IL6R	rs11264270	G	A	0.105	0.013	0.122	2.98E-16	0.032	0.025	0.192	0.002	66.811	TRUE	3.36E-11
COPD in never smokers	IL6R	rs11265611	A	G	0.742	0.005	0.656	1.00E-200	0.024	0.017	0.165	0.358	19832.378	TRUE	1.00E-200
COPD in never smokers	IL6R	rs11265621	A	G	0.556	0.005	0.600	1.00E-200	0.038	0.017	0.029	0.237	11033.105	TRUE	1.00E-200
COPD in never smokers	IL6R	rs112730399	C	T	0.161	0.028	0.023	6.26E-09	-0.036	0.067	0.592	0.001	33.751	TRUE	9.86E-07
COPD in never smokers	IL6R	rs113191456	A	C	0.184	0.017	0.069	1.54E-28	-0.012	0.042	0.775	0.003	122.801	TRUE	3.88E-22
COPD in never smokers	IL6R	rs113580743	A	G	-0.553	0.021	0.038	3.48E-147	-0.014	0.043	0.752	0.018	667.470	TRUE	1.12E-113
COPD in never smokers	IL6R	rs114324536	C	T	0.244	0.037	0.013	4.30E-11	-0.091	0.073	0.213	0.001	43.471	TRUE	1.45E-07
COPD in never smokers	IL6R	rs114853077	T	C	0.211	0.029	0.021	3.95E-13	0.015	0.052	0.772	0.001	52.665	TRUE	3.17E-10
COPD in never smokers	IL6R	rs114973352	A	C	0.262	0.023	0.035	1.17E-29	0.086	0.049	0.081	0.004	127.918	TRUE	3.61E-20

COPD in never smokers	IL6R	rs114980362	T	C	-0.457	0.024	0.032	8.52E-83	0.003	0.062	0.961	0.010	371.548	TRUE	6.22E-65
COPD in never smokers	IL6R	rs115513320	T	G	0.464	0.053	0.006	2.99E-18	0.049	0.073	0.496	0.002	75.890	TRUE	1.41E-13
COPD in never smokers	IL6R	rs115582068	C	T	-0.490	0.027	0.023	3.60E-74	-0.060	0.063	0.336	0.009	331.940	TRUE	2.78E-55
COPD in never smokers	IL6R	rs11577167	T	C	-0.522	0.037	0.014	1.98E-45	-0.111	0.056	0.048	0.006	200.099	TRUE	4.36E-31
COPD in never smokers	IL6R	rs11577297	T	C	-0.085	0.011	0.825	1.08E-14	0.013	0.020	0.536	0.002	59.737	TRUE	5.57E-11
COPD in never smokers	IL6R	rs11582489	A	G	-0.294	0.022	0.040	3.67E-42	0.128	0.040	0.001	0.005	185.124	TRUE	5.45E-26
COPD in never smokers	IL6R	rs11584256	T	C	0.355	0.026	0.026	7.87E-42	0.118	0.062	0.059	0.005	183.605	TRUE	1.09E-28
COPD in never smokers	IL6R	rs116059394	G	A	-0.462	0.019	0.050	9.70E-127	-0.023	0.036	0.513	0.016	573.471	TRUE	1.70E-96
COPD in never smokers	IL6R	rs116141616	A	G	-0.619	0.030	0.019	4.62E-94	-0.040	0.052	0.441	0.012	423.297	TRUE	4.54E-71
COPD in never smokers	IL6R	rs116179745	C	T	-0.414	0.037	0.012	4.41E-29	0.029	0.074	0.692	0.004	125.278	TRUE	2.45E-22
COPD in never smokers	IL6R	rs116540837	G	T	0.160	0.025	0.028	2.17E-10	0.033	0.050	0.506	0.001	40.310	TRUE	1.08E-07
COPD in never smokers	IL6R	rs116710125	T	C	-0.527	0.020	0.044	5.88E-156	-0.047	0.041	0.242	0.020	707.808	TRUE	1.97E-116
COPD in never smokers	IL6R	rs1194586	C	T	0.127	0.008	0.522	2.49E-52	0.015	0.017	0.370	0.006	231.724	TRUE	6.43E-39
COPD in never smokers	IL6R	rs1194589	G	A	0.235	0.011	0.838	3.84E-97	-0.016	0.021	0.433	0.012	437.448	TRUE	2.26E-73
COPD in never smokers	IL6R	rs12033817	G	A	-0.439	0.063	0.004	4.55E-12	-0.073	0.072	0.310	0.001	47.870	TRUE	1.57E-08
COPD in never smokers	IL6R	rs12043822	A	G	0.479	0.026	0.026	8.77E-74	-0.124	0.059	0.037	0.009	330.164	TRUE	1.75E-51
COPD in never smokers	IL6R	rs12044034	A	G	-0.122	0.015	0.087	1.72E-16	0.007	0.029	0.801	0.002	67.899	TRUE	7.13E-13
COPD in never smokers	IL6R	rs12120146	A	G	-0.178	0.033	0.017	4.92E-08	-0.141	0.076	0.065	0.001	29.744	TRUE	7.19E-05
COPD in never smokers	IL6R	rs12130660	C	T	0.345	0.024	0.031	1.62E-45	-0.001	0.039	0.987	0.006	200.493	TRUE	5.86E-36
COPD in never smokers	IL6R	rs1218549	C	A	0.106	0.009	0.650	5.63E-34	-0.011	0.018	0.534	0.004	147.651	TRUE	1.27E-25
COPD in never smokers	IL6R	rs1218576	T	C	-0.189	0.012	0.864	2.47E-53	-0.012	0.026	0.639	0.007	236.326	TRUE	7.96E-41
COPD in never smokers	IL6R	rs1218583	G	T	0.134	0.018	0.943	8.35E-14	-0.042	0.035	0.228	0.002	55.718	TRUE	1.47E-09
COPD in never smokers	IL6R	rs1218592	A	C	0.075	0.010	0.763	3.11E-14	-0.018	0.019	0.361	0.002	57.660	TRUE	3.01E-10
COPD in never smokers	IL6R	rs12406117	A	G	-0.085	0.008	0.561	4.79E-24	-0.023	0.017	0.165	0.003	102.287	TRUE	9.91E-17
COPD in never smokers	IL6R	rs12735458	G	A	0.342	0.036	0.014	6.59E-22	0.088	0.069	0.202	0.003	92.537	TRUE	2.34E-15
COPD in never smokers	IL6R	rs12755318	A	C	0.309	0.025	0.031	1.04E-35	0.030	0.069	0.667	0.004	155.579	TRUE	2.30E-27
COPD in never smokers	IL6R	rs141244226	A	G	-0.185	0.026	0.028	7.25E-13	-0.116	0.057	0.041	0.001	51.473	TRUE	6.50E-08
COPD in never smokers	IL6R	rs141316726	T	C	-0.436	0.072	0.003	1.28E-09	-0.106	0.070	0.128	0.001	36.837	TRUE	3.06E-06
COPD in never smokers	IL6R	rs142091750	T	C	0.502	0.051	0.007	5.81E-23	0.011	0.064	0.862	0.003	97.344	TRUE	5.05E-18
COPD in never smokers	IL6R	rs143602424	A	G	0.564	0.068	0.004	1.24E-16	-0.020	0.073	0.788	0.002	68.540	TRUE	5.85E-13
COPD in never smokers	IL6R	rs144063783	C	T	0.527	0.034	0.015	8.50E-53	-0.011	0.075	0.881	0.007	233.866	TRUE	2.78E-41
COPD in never smokers	IL6R	rs144929754	T	C	-0.241	0.031	0.018	6.21E-15	-0.039	0.069	0.568	0.002	60.830	TRUE	3.15E-11
COPD in never smokers	IL6R	rs145347535	T	G	0.381	0.040	0.011	5.52E-22	-0.044	0.077	0.563	0.003	92.886	TRUE	1.43E-16
COPD in never smokers	IL6R	rs146899245	A	G	0.200	0.024	0.030	3.23E-16	-0.081	0.053	0.128	0.002	66.655	TRUE	7.06E-11
COPD in never smokers	IL6R	rs147830103	A	G	-0.535	0.026	0.028	1.26E-96	-0.086	0.057	0.132	0.012	435.084	TRUE	2.35E-70
COPD in never smokers	IL6R	rs149432883	A	G	-0.249	0.013	0.110	6.07E-77	0.011	0.026	0.665	0.010	344.672	TRUE	4.12E-59
COPD in never smokers	IL6R	rs149481318	C	T	-0.530	0.026	0.025	1.02E-89	-0.004	0.058	0.946	0.011	403.345	TRUE	2.98E-70
COPD in never smokers	IL6R	rs150715756	A	G	0.162	0.030	0.020	4.67E-08	-0.029	0.060	0.624	0.001	29.848	TRUE	4.04E-06
COPD in never smokers	IL6R	rs150862574	C	T	-0.557	0.053	0.006	1.85E-25	0.128	0.082	0.117	0.003	108.731	TRUE	1.87E-17
COPD in never smokers	IL6R	rs150962854	G	A	-0.551	0.093	0.002	3.00E-09	0.069	0.084	0.407	0.001	35.179	TRUE	1.14E-06
COPD in never smokers	IL6R	rs151205508	C	T	-0.231	0.038	0.012	9.40E-10	-0.068	0.066	0.307	0.001	37.444	TRUE	7.69E-07
COPD in never smokers	IL6R	rs17719419	A	C	-0.158	0.017	0.062	1.19E-19	0.011	0.030	0.711	0.002	82.264	TRUE	3.96E-15

COPD in never smokers	IL6R	rs180817467	T	C	0.237	0.036	0.014	3.25E-11	0.173	0.069	0.012	0.001	44.017	TRUE	2.58E-06
COPD in never smokers	IL6R	rs183641528	A	G	0.331	0.026	0.026	4.03E-37	-0.020	0.061	0.739	0.005	162.046	TRUE	1.13E-28
COPD in never smokers	IL6R	rs186136565	T	C	0.241	0.029	0.021	6.01E-17	0.009	0.052	0.860	0.002	69.970	TRUE	2.43E-13
COPD in never smokers	IL6R	rs192159309	A	G	-0.177	0.020	0.044	5.38E-18	-0.029	0.034	0.405	0.002	74.734	TRUE	3.72E-13
COPD in never smokers	IL6R	rs1984285	G	T	-0.091	0.010	0.212	7.86E-19	-0.051	0.020	0.010	0.002	78.531	TRUE	3.00E-11
COPD in never smokers	IL6R	rs2071576	T	C	-0.106	0.010	0.785	4.66E-25	-0.007	0.021	0.750	0.003	106.903	TRUE	2.19E-19
COPD in never smokers	IL6R	rs35902694	G	T	0.092	0.009	0.693	2.63E-24	-0.001	0.017	0.962	0.003	103.477	TRUE	2.68E-19
COPD in never smokers	IL6R	rs3738028	A	C	-0.092	0.009	0.629	3.45E-26	-0.028	0.017	0.113	0.003	112.066	TRUE	6.01E-18
COPD in never smokers	IL6R	rs374532694	A	G	0.416	0.050	0.007	1.71E-16	0.096	0.081	0.236	0.002	67.905	TRUE	1.54E-11
COPD in never smokers	IL6R	rs3766926	C	T	-0.373	0.006	0.221	1.00E-200	0.016	0.020	0.423	0.086	3356.922	TRUE	1.00E-200
COPD in never smokers	IL6R	rs41264253	A	G	-0.158	0.013	0.122	1.32E-35	-0.006	0.026	0.811	0.004	155.107	TRUE	1.04E-27
COPD in never smokers	IL6R	rs41265183	T	C	-0.271	0.014	0.095	1.67E-80	-0.002	0.029	0.945	0.010	361.026	TRUE	4.40E-63
COPD in never smokers	IL6R	rs41265211	T	G	0.302	0.047	0.008	1.76E-10	0.067	0.068	0.324	0.001	40.713	TRUE	2.09E-07
COPD in never smokers	IL6R	rs41265215	G	A	-0.319	0.024	0.029	1.05E-39	0.061	0.046	0.183	0.005	173.878	TRUE	2.25E-28
COPD in never smokers	IL6R	rs41269913	T	C	0.649	0.023	0.035	3.07E-178	0.055	0.042	0.191	0.022	810.279	TRUE	1.35E-132
COPD in never smokers	IL6R	rs4845406	G	A	0.105	0.008	0.539	4.13E-36	0.006	0.016	0.700	0.004	157.416	TRUE	8.98E-28
COPD in never smokers	IL6R	rs4845698	A	G	0.148	0.023	0.034	2.03E-10	-0.041	0.049	0.402	0.001	40.440	TRUE	1.60E-07
COPD in never smokers	IL6R	rs56162646	T	C	-0.274	0.023	0.034	1.29E-32	0.057	0.045	0.209	0.004	141.437	TRUE	2.79E-23
COPD in never smokers	IL6R	rs56296575	A	G	0.364	0.057	0.005	2.02E-10	-0.028	0.067	0.682	0.001	40.445	TRUE	5.32E-08
COPD in never smokers	IL6R	rs57034503	T	C	-0.232	0.025	0.029	8.75E-21	0.048	0.050	0.335	0.002	87.421	TRUE	4.96E-15
COPD in never smokers	IL6R	rs57438059	C	T	0.154	0.022	0.036	5.63E-12	0.006	0.041	0.884	0.001	47.450	TRUE	1.63E-09
COPD in never smokers	IL6R	rs57569414	A	C	0.527	0.014	0.097	1.41E-302	0.021	0.025	0.411	0.038	1409.915	TRUE	7.43E-234
COPD in never smokers	IL6R	rs636176	A	G	0.268	0.018	0.059	1.22E-51	0.031	0.033	0.341	0.006	228.566	TRUE	3.02E-38
COPD in never smokers	IL6R	rs6660569	T	C	-0.149	0.018	0.052	6.70E-16	0.046	0.045	0.302	0.002	65.215	TRUE	2.56E-11
COPD in never smokers	IL6R	rs6682000	A	C	-0.070	0.008	0.477	6.99E-17	-0.031	0.017	0.059	0.002	69.671	TRUE	7.48E-11
COPD in never smokers	IL6R	rs6693773	T	C	-0.279	0.020	0.042	3.49E-42	-0.068	0.039	0.079	0.005	185.220	TRUE	3.05E-29
COPD in never smokers	IL6R	rs72700220	A	C	-0.114	0.017	0.064	2.33E-11	0.007	0.033	0.822	0.001	44.669	TRUE	6.16E-09
COPD in never smokers	IL6R	rs73016210	A	G	-0.504	0.031	0.019	1.15E-58	-0.198	0.090	0.027	0.007	260.785	TRUE	4.10E-40
COPD in never smokers	IL6R	rs7367758	T	C	0.064	0.011	0.165	1.25E-08	-0.023	0.023	0.326	0.001	32.399	TRUE	4.58E-06
COPD in never smokers	IL6R	rs74660920	T	C	-0.095	0.011	0.162	5.78E-17	0.007	0.027	0.802	0.002	70.045	TRUE	3.05E-13
COPD in never smokers	IL6R	rs74859699	A	G	0.412	0.022	0.039	6.87E-81	-0.010	0.041	0.815	0.010	362.791	TRUE	8.05E-63
COPD in never smokers	IL6R	rs7514174	T	C	0.152	0.020	0.044	2.09E-14	-0.014	0.037	0.710	0.002	58.441	TRUE	4.25E-11
COPD in never smokers	IL6R	rs76289529	T	C	0.676	0.020	0.047	1.36E-258	0.129	0.041	0.002	0.032	1179.927	TRUE	2.54E-182
COPD in never smokers	IL6R	rs76459982	G	A	-0.515	0.030	0.019	3.36E-68	-0.091	0.060	0.128	0.008	304.535	TRUE	4.51E-49
COPD in never smokers	IL6R	rs76529808	T	C	-0.219	0.038	0.012	1.15E-08	0.054	0.072	0.450	0.001	32.576	TRUE	2.57E-06
COPD in never smokers	IL6R	rs76683466	T	C	0.312	0.016	0.073	7.32E-83	-0.024	0.039	0.531	0.010	371.854	TRUE	5.22E-63
COPD in never smokers	IL6R	rs76798800	T	G	0.078	0.009	0.307	7.16E-18	-0.014	0.019	0.468	0.002	74.167	TRUE	3.19E-13
COPD in never smokers	IL6R	rs77448944	T	C	0.219	0.028	0.024	2.66E-15	-0.045	0.065	0.495	0.002	62.503	TRUE	2.36E-11
COPD in never smokers	IL6R	rs77510509	C	T	0.271	0.015	0.083	1.12E-71	0.018	0.028	0.503	0.009	320.495	TRUE	2.63E-54
COPD in never smokers	IL6R	rs77667186	T	C	0.156	0.021	0.045	3.11E-14	0.077	0.043	0.075	0.002	57.664	TRUE	3.71E-09
COPD in never smokers	IL6R	rs77801962	C	T	0.531	0.022	0.036	1.30E-127	-0.020	0.049	0.683	0.016	577.489	TRUE	3.27E-98
COPD in never smokers	IL6R	rs78431420	T	G	0.291	0.026	0.028	5.82E-30	0.141	0.058	0.014	0.004	129.297	TRUE	4.42E-19

COPD in never smokers	IL6R	rs78651737	T	C	-0.114	0.017	0.066	1.91E-11	-0.068	0.034	0.044	0.001	45.054	TRUE	5.48E-07
COPD in never smokers	IL6R	rs78939464	T	C	-0.151	0.025	0.027	3.50E-09	-0.064	0.058	0.268	0.001	34.883	TRUE	2.43E-06
COPD in never smokers	IL6R	rs79219014	T	G	0.631	0.032	0.017	5.19E-84	0.096	0.049	0.049	0.010	377.129	TRUE	2.16E-59
COPD in never smokers	IL6R	rs79438264	T	C	0.521	0.027	0.025	1.13E-85	0.031	0.046	0.508	0.011	384.759	TRUE	4.85E-65
COPD in never smokers	IL6R	rs79752373	A	G	-0.290	0.026	0.026	3.73E-29	-0.020	0.074	0.788	0.004	125.611	TRUE	1.20E-22
COPD in never smokers	IL6R	rs79778789	G	A	0.672	0.026	0.027	3.56E-142	0.088	0.062	0.160	0.018	644.436	TRUE	5.58E-105
COPD in never smokers	IL6R	rs79810698	A	C	0.144	0.021	0.040	1.26E-11	0.035	0.040	0.382	0.001	45.881	TRUE	2.26E-08
COPD in never smokers	IL6R	rs878436	C	T	0.161	0.022	0.038	9.93E-14	-0.006	0.048	0.904	0.002	55.378	TRUE	6.50E-11
COPD in never smokers	IL6R	rs883319	T	C	-0.110	0.010	0.225	2.45E-28	-0.012	0.020	0.542	0.003	121.872	TRUE	2.38E-21
COPD in never smokers	IL6R	rs9660002	T	C	-0.170	0.008	0.445	3.02E-91	-0.013	0.016	0.435	0.011	410.365	TRUE	6.91E-69
COPD in never smokers	IL6R	rs9919337	T	C	-0.124	0.010	0.260	4.26E-38	0.026	0.018	0.140	0.005	166.510	TRUE	7.27E-27
COPD in never smokers	MANBA	rs10028984	C	T	0.301	0.017	0.058	2.73E-69	0.019	0.036	0.599	0.009	309.537	TRUE	6.30E-53
COPD in never smokers	MANBA	rs1022347	A	C	0.180	0.017	0.942	7.88E-26	0.001	0.040	0.982	0.003	110.425	TRUE	1.54E-20
COPD in never smokers	MANBA	rs111205397	G	A	-0.055	0.007	0.517	1.72E-13	0.039	0.066	0.552	0.002	54.293	TRUE	4.19E-10
COPD in never smokers	MANBA	rs112730086	A	G	-0.238	0.034	0.014	1.87E-12	-0.134	0.078	0.085	0.001	49.618	TRUE	5.42E-08
COPD in never smokers	MANBA	rs114473485	C	T	0.120	0.021	0.039	8.91E-09	0.011	0.045	0.807	0.001	33.065	TRUE	6.43E-07
COPD in never smokers	MANBA	rs114904800	G	A	0.182	0.028	0.020	1.64E-10	0.007	0.063	0.913	0.001	40.849	TRUE	2.05E-08
COPD in never smokers	MANBA	rs116668132	C	A	-0.163	0.016	0.067	2.76E-25	0.017	0.035	0.622	0.003	107.940	TRUE	3.06E-19
COPD in never smokers	MANBA	rs116699774	T	C	-0.168	0.026	0.024	6.61E-11	-0.001	0.061	0.988	0.001	42.628	TRUE	7.77E-09
COPD in never smokers	MANBA	rs11734573	A	G	0.057	0.009	0.237	9.20E-10	-0.026	0.020	0.196	0.001	37.485	TRUE	1.44E-06
COPD in never smokers	MANBA	rs11944004	A	G	0.159	0.016	0.063	6.24E-22	-0.016	0.035	0.640	0.003	92.644	TRUE	1.02E-16
COPD in never smokers	MANBA	rs13133568	C	T	-0.174	0.019	0.047	5.67E-20	0.013	0.036	0.722	0.002	83.726	TRUE	2.12E-15
COPD in never smokers	MANBA	rs13148620	T	C	-0.113	0.020	0.042	1.16E-08	0.026	0.039	0.509	0.001	32.551	TRUE	2.09E-06
COPD in never smokers	MANBA	rs138432481	A	G	-0.279	0.039	0.011	1.26E-12	-0.027	0.080	0.737	0.001	50.382	TRUE	8.92E-10
COPD in never smokers	MANBA	rs139969535	G	A	-0.136	0.025	0.026	3.11E-08	-0.022	0.052	0.678	0.001	30.635	TRUE	2.51E-06
COPD in never smokers	MANBA	rs139979022	A	C	0.225	0.024	0.028	4.78E-21	-0.090	0.048	0.060	0.002	88.615	TRUE	8.86E-14
COPD in never smokers	MANBA	rs140575453	C	T	0.264	0.027	0.021	1.68E-22	0.057	0.059	0.334	0.003	95.243	TRUE	2.63E-16
COPD in never smokers	MANBA	rs142957330	C	T	0.212	0.028	0.020	1.75E-14	0.010	0.066	0.884	0.002	58.794	TRUE	1.82E-11
COPD in never smokers	MANBA	rs143158716	C	T	-0.149	0.026	0.022	1.19E-08	0.011	0.074	0.885	0.001	32.505	TRUE	6.33E-07
COPD in never smokers	MANBA	rs144101584	C	A	0.159	0.022	0.032	5.09E-13	-0.018	0.049	0.710	0.001	52.165	TRUE	4.92E-10
COPD in never smokers	MANBA	rs145978533	A	G	0.292	0.022	0.034	1.40E-41	-0.030	0.050	0.552	0.005	182.456	TRUE	1.71E-31
COPD in never smokers	MANBA	rs147313775	C	T	-0.114	0.020	0.042	6.52E-09	0.017	0.048	0.725	0.001	33.670	TRUE	6.55E-07
COPD in never smokers	MANBA	rs149356990	T	C	0.225	0.028	0.021	1.04E-15	0.012	0.054	0.824	0.002	64.359	TRUE	2.59E-12
COPD in never smokers	MANBA	rs1599686	C	T	-0.098	0.008	0.670	5.04E-31	0.004	0.018	0.839	0.004	134.155	TRUE	3.13E-24
COPD in never smokers	MANBA	rs170989	T	C	-0.060	0.009	0.739	5.16E-11	-0.009	0.019	0.638	0.001	43.115	TRUE	2.21E-08
COPD in never smokers	MANBA	rs17285920	C	T	-0.132	0.018	0.053	1.52E-13	-0.049	0.050	0.324	0.002	54.546	TRUE	1.20E-09
COPD in never smokers	MANBA	rs180841024	G	A	-0.249	0.016	0.063	1.80E-52	-0.033	0.033	0.326	0.006	232.370	TRUE	8.56E-39
COPD in never smokers	MANBA	rs223366	G	A	0.231	0.008	0.598	1.06E-182	0.026	0.017	0.130	0.023	830.796	TRUE	6.30E-135
COPD in never smokers	MANBA	rs227275	C	A	-0.295	0.006	0.510	1.00E-200	-0.030	0.017	0.069	0.057	2138.182	TRUE	1.00E-200
COPD in never smokers	MANBA	rs2631268	T	G	-0.069	0.009	0.320	5.47E-16	0.007	0.018	0.696	0.002	65.615	TRUE	2.77E-12
COPD in never smokers	MANBA	rs3113677	C	T	-0.164	0.023	0.969	8.70E-13	-0.022	0.034	0.505	0.001	51.115	TRUE	1.75E-09
COPD in never smokers	MANBA	rs34316881	T	C	-0.092	0.016	0.062	2.09E-08	0.003	0.030	0.908	0.001	31.408	TRUE	9.18E-07

COPD in never smokers	MANBA	rs3774965	C	A	0.113	0.020	0.043	8.40E-09	-0.024	0.043	0.572	0.001	33.178	TRUE	1.31E-06
COPD in never smokers	MANBA	rs377677695	T	C	-0.064	0.008	0.546	4.04E-17	0.006	0.056	0.919	0.002	70.752	TRUE	1.38E-13
COPD in never smokers	MANBA	rs4648022	T	C	0.340	0.014	0.087	2.47E-127	0.073	0.029	0.014	0.016	576.206	TRUE	1.93E-89
COPD in never smokers	MANBA	rs537674758	A	G	0.365	0.019	0.047	2.45E-83	0.025	0.045	0.584	0.010	374.036	TRUE	1.21E-63
COPD in never smokers	MANBA	rs573711653	G	A	-0.150	0.027	0.022	1.96E-08	0.159	0.065	0.014	0.001	31.528	TRUE	1.28E-04
COPD in never smokers	MANBA	rs57957741	A	G	-0.049	0.008	0.592	1.55E-09	-0.018	0.016	0.280	0.001	36.472	TRUE	1.27E-06
COPD in never smokers	MANBA	rs58365868	C	T	0.299	0.037	0.012	3.58E-16	0.023	0.057	0.689	0.002	66.453	TRUE	2.06E-12
COPD in never smokers	MANBA	rs62329496	T	C	-0.053	0.009	0.293	1.03E-09	-0.022	0.026	0.410	0.001	37.265	TRUE	5.12E-07
COPD in never smokers	MANBA	rs6832621	C	T	-0.116	0.019	0.045	1.42E-09	0.003	0.040	0.941	0.001	36.638	TRUE	1.01E-07
COPD in never smokers	MANBA	rs72668702	G	A	0.103	0.018	0.054	7.20E-09	0.034	0.038	0.374	0.001	33.478	TRUE	2.48E-06
COPD in never smokers	MANBA	rs72937532	G	A	0.091	0.012	0.134	9.62E-15	-0.003	0.026	0.916	0.002	59.969	TRUE	1.00E-11
COPD in never smokers	MANBA	rs76552764	A	G	-0.128	0.022	0.035	4.48E-09	-0.047	0.048	0.323	0.001	34.402	TRUE	2.21E-06
COPD in never smokers	MANBA	rs7656627	G	A	-0.055	0.008	0.634	3.55E-11	0.031	0.017	0.059	0.001	43.843	TRUE	6.20E-07
COPD in never smokers	MANBA	rs7678717	G	A	0.312	0.008	0.317	9.75E-303	0.017	0.017	0.318	0.038	1401.455	TRUE	2.66E-231
COPD in never smokers	MANBA	rs76884108	T	C	0.132	0.021	0.037	2.94E-10	0.029	0.050	0.563	0.001	39.715	TRUE	1.09E-07
COPD in never smokers	MANBA	rs7698702	T	C	0.048	0.008	0.574	2.54E-09	-0.036	0.017	0.029	0.001	35.507	TRUE	2.04E-05
COPD in never smokers	MANBA	rs77252379	G	A	0.179	0.025	0.027	4.00E-13	-0.017	0.053	0.744	0.001	52.642	TRUE	3.58E-10
COPD in never smokers	MANBA	rs77611518	G	A	-0.125	0.021	0.037	2.36E-09	-0.007	0.046	0.873	0.001	35.650	TRUE	1.87E-07
COPD in never smokers	MANBA	rs77627911	T	C	0.233	0.023	0.030	5.83E-24	-0.013	0.060	0.829	0.003	101.898	TRUE	1.01E-18
COPD in never smokers	MANBA	rs78047097	C	T	0.268	0.030	0.018	3.13E-19	0.077	0.074	0.298	0.002	80.353	TRUE	9.28E-14
COPD in never smokers	MANBA	rs80130349	G	T	-0.299	0.041	0.010	3.04E-13	-0.133	0.091	0.143	0.001	53.179	TRUE	7.65E-09
COPD in never smokers	NEU1	rs1053726	G	A	0.060	0.011	0.159	4.69E-08	0.063	0.025	0.010	0.001	29.841	TRUE	2.69E-04
COPD in never smokers	NEU1	rs2073044	T	C	0.056	0.009	0.265	1.56E-09	-0.016	0.019	0.388	0.001	36.452	TRUE	7.63E-07
COPD in never smokers	NEU1	rs2269425	A	G	0.063	0.011	0.158	1.35E-08	-0.031	0.023	0.178	0.001	32.250	TRUE	1.07E-05
COPD in never smokers	NEU1	rs2523647	G	A	0.055	0.009	0.246	3.56E-09	-0.021	0.021	0.305	0.001	34.848	TRUE	2.03E-06
COPD in never smokers	NEU1	rs9378248	A	G	0.049	0.008	0.376	5.52E-09	-0.043	0.018	0.014	0.001	33.995	TRUE	5.77E-05
COPD in never smokers	SAT2	rs112982019	C	T	-0.109	0.019	0.048	8.60E-09	-0.029	0.044	0.513	0.001	33.132	TRUE	1.65E-06
COPD in never smokers	SAT2	rs11652508	A	G	0.132	0.008	0.369	3.67E-56	0.031	0.017	0.066	0.007	249.298	TRUE	2.79E-39
COPD in never smokers	SAT2	rs117334055	A	G	-0.168	0.019	0.049	2.93E-19	-0.008	0.057	0.893	0.002	80.481	TRUE	3.31E-15
COPD in never smokers	SAT2	rs117646332	A	G	0.135	0.021	0.041	6.53E-11	0.006	0.034	0.849	0.001	42.654	TRUE	1.24E-08
COPD in never smokers	SAT2	rs12946520	T	G	0.094	0.008	0.624	3.81E-29	0.028	0.017	0.106	0.004	125.569	TRUE	4.90E-20
COPD in never smokers	SAT2	rs13894	A	G	-0.328	0.014	0.095	1.52E-126	-0.066	0.032	0.039	0.016	572.583	TRUE	1.71E-90
COPD in never smokers	SAT2	rs144869039	C	T	-0.287	0.034	0.015	1.66E-17	-0.080	0.083	0.335	0.002	72.510	TRUE	1.34E-12
COPD in never smokers	SAT2	rs1544724	G	T	-0.079	0.008	0.415	3.11E-22	-0.016	0.017	0.344	0.003	94.026	TRUE	3.85E-16
COPD in never smokers	SAT2	rs1642763	G	A	-0.153	0.010	0.783	1.41E-54	-0.024	0.019	0.213	0.007	242.027	TRUE	1.12E-39
COPD in never smokers	SAT2	rs17805277	T	G	0.066	0.012	0.137	2.72E-08	0.013	0.025	0.612	0.001	30.898	TRUE	2.79E-06
COPD in never smokers	SAT2	rs2269459	G	A	0.056	0.010	0.786	1.35E-08	-0.007	0.023	0.759	0.001	32.255	TRUE	1.03E-06
COPD in never smokers	SAT2	rs35386490	C	T	0.085	0.010	0.220	6.65E-18	0.037	0.019	0.056	0.002	74.313	TRUE	1.56E-11
COPD in never smokers	SAT2	rs3744262	A	G	0.046	0.008	0.625	3.63E-08	0.012	0.017	0.494	0.001	30.334	TRUE	5.14E-06
COPD in never smokers	SAT2	rs3809829	G	T	0.053	0.008	0.609	1.58E-10	-0.013	0.017	0.453	0.001	40.927	TRUE	1.07E-07
COPD in never smokers	SAT2	rs4130509	T	C	-0.055	0.008	0.412	3.04E-11	-0.023	0.017	0.175	0.001	44.149	TRUE	1.50E-07
COPD in never smokers	SAT2	rs4130668	C	T	0.061	0.011	0.836	2.42E-08	0.008	0.020	0.680	0.001	31.120	TRUE	2.06E-06

COPD in never smokers	SAT2	rs4246413	C	T	-0.147	0.017	0.935	1.32E-18	-0.046	0.037	0.209	0.002	77.506	TRUE	5.63E-13
COPD in never smokers	SAT2	rs4796406	C	T	-0.070	0.010	0.226	6.53E-13	-0.025	0.020	0.218	0.001	51.678	TRUE	6.95E-09
COPD in never smokers	SAT2	rs4968213	T	C	-0.162	0.021	0.963	3.37E-14	-0.058	0.039	0.143	0.002	57.503	TRUE	1.62E-09
COPD in never smokers	SAT2	rs67603370	A	G	-0.107	0.016	0.060	6.77E-11	-0.029	0.032	0.366	0.001	42.582	TRUE	8.46E-08
COPD in never smokers	SAT2	rs7214863	T	C	0.080	0.010	0.765	4.48E-17	0.019	0.020	0.343	0.002	70.550	TRUE	2.65E-12
COPD in never smokers	SAT2	rs72841443	A	G	-0.076	0.013	0.110	2.52E-09	0.004	0.028	0.885	0.001	35.525	TRUE	1.89E-07
COPD in never smokers	SAT2	rs8065089	T	C	-0.111	0.013	0.115	1.74E-18	0.006	0.027	0.836	0.002	76.956	TRUE	1.73E-14
COPD in never smokers	SAT2	rs8069501	G	A	0.110	0.017	0.055	2.89E-10	-0.099	0.033	0.003	0.001	39.743	TRUE	2.80E-05
COPD in never smokers	SAT2	rs8069533	G	A	0.048	0.008	0.542	4.66E-09	0.032	0.017	0.061	0.001	34.325	TRUE	1.57E-05
COPD in never smokers	SAT2	rs858523	T	C	-0.201	0.008	0.570	1.64E-133	-0.037	0.017	0.024	0.017	604.605	TRUE	7.01E-95
COPD in never smokers	SAT2	rs9630723	G	A	0.159	0.028	0.021	1.59E-08	0.060	0.057	0.293	0.001	31.943	TRUE	6.31E-06
COPD in never smokers	TLR3	rs10007747	A	C	0.060	0.010	0.239	2.02E-09	-0.017	0.020	0.392	0.001	35.957	TRUE	9.03E-07
COPD in never smokers	TLR3	rs10022188	C	T	-0.196	0.013	0.124	7.06E-53	0.034	0.026	0.193	0.007	234.239	TRUE	2.93E-38
COPD in never smokers	TLR3	rs10030346	T	C	0.104	0.012	0.141	2.04E-17	0.011	0.024	0.638	0.002	72.105	TRUE	2.92E-13
COPD in never smokers	TLR3	rs10032656	A	G	-0.057	0.009	0.374	8.37E-11	0.015	0.017	0.376	0.001	42.167	TRUE	9.39E-08
COPD in never smokers	TLR3	rs10033502	T	C	0.096	0.015	0.094	5.17E-11	-0.013	0.028	0.655	0.001	43.109	TRUE	2.08E-08
COPD in never smokers	TLR3	rs10471185	G	A	-0.071	0.011	0.176	3.30E-10	-0.002	0.025	0.923	0.001	39.484	TRUE	3.43E-08
COPD in never smokers	TLR3	rs10866290	C	T	0.105	0.009	0.328	4.92E-31	-0.017	0.017	0.323	0.004	134.202	TRUE	1.21E-22
COPD in never smokers	TLR3	rs111286548	T	C	-0.283	0.018	0.063	1.50E-57	0.052	0.035	0.139	0.007	255.663	TRUE	2.87E-41
COPD in never smokers	TLR3	rs11132371	T	C	0.071	0.013	0.879	3.56E-08	0.040	0.028	0.148	0.001	30.373	TRUE	2.58E-05
COPD in never smokers	TLR3	rs11132375	T	C	0.130	0.013	0.113	7.12E-22	-0.063	0.025	0.012	0.003	92.383	TRUE	2.03E-13
COPD in never smokers	TLR3	rs11132398	C	T	0.106	0.009	0.614	5.03E-34	0.004	0.017	0.823	0.004	147.876	TRUE	1.62E-26
COPD in never smokers	TLR3	rs111363884	A	G	0.247	0.021	0.042	3.81E-31	0.046	0.040	0.250	0.004	134.706	TRUE	2.11E-22
COPD in never smokers	TLR3	rs111881870	T	G	0.187	0.023	0.034	1.10E-15	0.036	0.038	0.338	0.002	64.237	TRUE	2.93E-11
COPD in never smokers	TLR3	rs112188402	T	C	0.124	0.017	0.063	1.10E-12	-0.010	0.035	0.774	0.001	50.649	TRUE	6.95E-10
COPD in never smokers	TLR3	rs113279394	C	T	0.110	0.017	0.065	1.73E-10	-0.031	0.039	0.430	0.001	40.750	TRUE	1.25E-07
COPD in never smokers	TLR3	rs114217826	T	C	0.194	0.022	0.039	3.00E-19	-0.003	0.058	0.960	0.002	80.432	TRUE	2.47E-15
COPD in never smokers	TLR3	rs114333945	T	C	0.228	0.040	0.011	1.14E-08	0.114	0.066	0.086	0.001	32.580	TRUE	2.09E-05
COPD in never smokers	TLR3	rs114437601	A	G	-0.183	0.026	0.028	1.56E-12	0.074	0.052	0.159	0.001	49.972	TRUE	2.09E-08
COPD in never smokers	TLR3	rs115531755	T	C	0.269	0.026	0.028	8.40E-25	0.034	0.060	0.570	0.003	105.736	TRUE	9.80E-19
COPD in never smokers	TLR3	rs115895037	A	G	0.233	0.028	0.024	5.99E-17	-0.029	0.056	0.603	0.002	69.976	TRUE	7.87E-13
COPD in never smokers	TLR3	rs116162570	G	A	-0.180	0.023	0.033	1.12E-14	0.022	0.042	0.603	0.002	59.663	TRUE	4.21E-11
COPD in never smokers	TLR3	rs116191943	T	C	0.312	0.025	0.028	7.42E-36	0.016	0.043	0.718	0.004	156.252	TRUE	1.24E-27
COPD in never smokers	TLR3	rs116347923	A	C	-0.303	0.022	0.040	4.48E-45	0.009	0.064	0.892	0.006	198.471	TRUE	2.60E-35
COPD in never smokers	TLR3	rs116350868	T	G	-0.513	0.032	0.018	1.20E-57	0.078	0.079	0.325	0.007	256.117	TRUE	1.06E-42
COPD in never smokers	TLR3	rs116837982	T	C	0.155	0.018	0.061	3.54E-18	-0.035	0.041	0.392	0.002	75.559	TRUE	2.95E-13
COPD in never smokers	TLR3	rs11726440	T	C	-0.067	0.012	0.146	2.26E-08	0.030	0.023	0.187	0.001	31.252	TRUE	1.45E-05
COPD in never smokers	TLR3	rs11731534	A	C	-0.252	0.035	0.015	4.89E-13	-0.086	0.066	0.188	0.001	52.244	TRUE	7.17E-09
COPD in never smokers	TLR3	rs11735109	G	A	-0.145	0.024	0.032	2.43E-09	-0.039	0.059	0.510	0.001	35.590	TRUE	6.50E-07
COPD in never smokers	TLR3	rs11735786	G	A	-0.198	0.009	0.324	1.69E-107	-0.007	0.018	0.710	0.013	485.039	TRUE	7.12E-83
COPD in never smokers	TLR3	rs12644930	T	C	0.119	0.019	0.057	1.79E-10	0.090	0.041	0.030	0.001	40.687	TRUE	3.54E-06
COPD in never smokers	TLR3	rs12646506	T	C	0.201	0.021	0.043	7.54E-22	-0.055	0.041	0.176	0.003	92.271	TRUE	3.44E-15

COPD in never smokers	TLR3	rs12647750	C	T	0.097	0.018	0.063	3.75E-08	-0.025	0.032	0.440	0.001	30.275	TRUE	6.39E-06
COPD in never smokers	TLR3	rs12649789	C	T	-0.117	0.012	0.867	4.81E-21	0.046	0.025	0.069	0.002	88.604	TRUE	7.01E-14
COPD in never smokers	TLR3	rs13126816	A	G	-0.394	0.008	0.226	1.00E-200	-0.029	0.019	0.138	0.065	2454.132	TRUE	1.00E-200
COPD in never smokers	TLR3	rs13152068	G	A	-0.078	0.009	0.340	3.56E-18	0.016	0.020	0.429	0.002	75.547	TRUE	2.37E-13
COPD in never smokers	TLR3	rs1356672	T	G	-0.127	0.010	0.249	4.99E-38	-0.012	0.019	0.544	0.005	166.197	TRUE	9.49E-29
COPD in never smokers	TLR3	rs139453602	A	G	0.218	0.027	0.026	1.05E-15	-0.018	0.065	0.783	0.002	64.327	TRUE	3.13E-12
COPD in never smokers	TLR3	rs140275414	A	G	-0.235	0.025	0.030	3.42E-21	-0.029	0.065	0.659	0.003	89.280	TRUE	3.40E-16
COPD in never smokers	TLR3	rs141688211	C	T	-0.145	0.025	0.029	4.35E-09	-0.016	0.055	0.774	0.001	34.456	TRUE	4.11E-07
COPD in never smokers	TLR3	rs142261826	A	G	0.327	0.040	0.011	6.83E-16	0.113	0.074	0.125	0.002	65.178	TRUE	1.24E-10
COPD in never smokers	TLR3	rs142316601	T	G	0.311	0.032	0.018	8.10E-23	0.114	0.060	0.055	0.003	96.686	TRUE	5.63E-15
COPD in never smokers	TLR3	rs142855742	T	C	-0.245	0.018	0.061	1.72E-44	-0.009	0.041	0.821	0.005	195.797	TRUE	1.25E-34
COPD in never smokers	TLR3	rs143546139	G	T	0.267	0.030	0.020	2.23E-19	0.077	0.064	0.233	0.002	81.021	TRUE	1.23E-13
COPD in never smokers	TLR3	rs144715116	T	C	0.209	0.034	0.016	7.73E-10	-0.048	0.067	0.478	0.001	37.825	TRUE	3.12E-07
COPD in never smokers	TLR3	rs144909861	A	G	0.489	0.089	0.003	3.24E-08	0.073	0.075	0.335	0.001	30.555	TRUE	8.73E-06
COPD in never smokers	TLR3	rs145094494	A	G	0.277	0.045	0.009	1.10E-09	-0.011	0.081	0.893	0.001	37.142	TRUE	9.66E-08
COPD in never smokers	TLR3	rs145183024	G	A	0.225	0.040	0.011	2.45E-08	0.015	0.070	0.832	0.001	31.096	TRUE	1.31E-06
COPD in never smokers	TLR3	rs146679154	G	A	-0.200	0.034	0.016	3.65E-09	-0.054	0.081	0.502	0.001	34.801	TRUE	9.05E-07
COPD in never smokers	TLR3	rs147247971	A	G	0.181	0.032	0.017	2.37E-08	-0.006	0.077	0.933	0.001	31.160	TRUE	9.44E-07
COPD in never smokers	TLR3	rs147303647	G	T	-0.511	0.048	0.008	7.16E-27	-0.146	0.086	0.092	0.003	115.182	TRUE	2.89E-18
COPD in never smokers	TLR3	rs147351040	T	C	-0.242	0.026	0.028	7.49E-21	-0.045	0.058	0.437	0.002	87.728	TRUE	2.20E-15
COPD in never smokers	TLR3	rs147833826	C	T	0.120	0.019	0.056	9.73E-11	0.026	0.040	0.526	0.001	41.872	TRUE	5.50E-08
COPD in never smokers	TLR3	rs148167170	G	T	0.196	0.030	0.021	5.72E-11	0.019	0.062	0.758	0.001	42.910	TRUE	1.55E-08
COPD in never smokers	TLR3	rs149044294	A	G	-0.218	0.032	0.017	9.43E-12	-0.094	0.077	0.222	0.001	46.442	TRUE	4.61E-08
COPD in never smokers	TLR3	rs150068321	T	C	0.254	0.026	0.027	7.67E-23	-0.098	0.069	0.156	0.003	96.795	TRUE	8.32E-16
COPD in never smokers	TLR3	rs151321840	C	T	0.235	0.025	0.030	3.52E-21	-0.073	0.074	0.324	0.003	89.221	TRUE	2.74E-15
COPD in never smokers	TLR3	rs1534146	T	C	-0.076	0.011	0.816	3.70E-12	0.008	0.023	0.729	0.001	48.273	TRUE	2.10E-09
COPD in never smokers	TLR3	rs184456818	T	C	0.154	0.027	0.026	1.06E-08	0.026	0.068	0.708	0.001	32.728	TRUE	1.00E-06
COPD in never smokers	TLR3	rs186072726	C	A	-0.189	0.028	0.024	7.37E-12	-0.168	0.081	0.037	0.001	46.924	TRUE	3.47E-07
COPD in never smokers	TLR3	rs186593226	T	C	-0.305	0.040	0.012	4.54E-14	0.048	0.060	0.424	0.002	56.916	TRUE	2.84E-10
COPD in never smokers	TLR3	rs190727994	A	G	0.208	0.032	0.019	6.02E-11	0.041	0.074	0.577	0.001	42.813	TRUE	3.14E-08
COPD in never smokers	TLR3	rs192722640	T	C	0.265	0.029	0.021	2.79E-19	0.053	0.058	0.362	0.002	80.576	TRUE	5.39E-14
COPD in never smokers	TLR3	rs1960569	G	A	-0.053	0.009	0.615	1.19E-09	-0.015	0.018	0.404	0.001	36.984	TRUE	5.84E-07
COPD in never smokers	TLR3	rs2035549	C	T	-0.118	0.021	0.955	1.10E-08	0.010	0.047	0.840	0.001	32.659	TRUE	6.83E-07
COPD in never smokers	TLR3	rs2130908	T	C	0.081	0.010	0.248	1.93E-16	0.018	0.020	0.375	0.002	67.665	TRUE	6.43E-12
COPD in never smokers	TLR3	rs2310394	G	T	-0.406	0.008	0.764	1.00E-200	-0.045	0.019	0.019	0.072	2742.581	TRUE	1.00E-200
COPD in never smokers	TLR3	rs2648121	T	C	0.053	0.009	0.652	2.86E-09	-0.012	0.018	0.492	0.001	35.272	TRUE	7.86E-07
COPD in never smokers	TLR3	rs2648124	G	A	0.125	0.015	0.910	1.63E-17	0.012	0.039	0.755	0.002	72.548	TRUE	1.41E-13
COPD in never smokers	TLR3	rs28525419	T	C	0.092	0.011	0.179	1.21E-16	-0.008	0.021	0.696	0.002	68.596	TRUE	8.69E-13
COPD in never smokers	TLR3	rs28548142	T	C	-0.186	0.012	0.139	3.31E-52	0.029	0.022	0.186	0.006	231.161	TRUE	1.06E-37
COPD in never smokers	TLR3	rs28611030	G	A	0.081	0.011	0.202	1.40E-14	-0.010	0.021	0.641	0.002	59.227	TRUE	4.22E-11
COPD in never smokers	TLR3	rs28640898	C	T	0.071	0.013	0.118	4.96E-08	0.000	0.029	0.988	0.001	29.732	TRUE	1.43E-06
COPD in never smokers	TLR3	rs28688222	T	C	-0.081	0.009	0.322	4.84E-19	-0.006	0.018	0.744	0.002	79.488	TRUE	9.94E-15

COPD in never smokers	TLR3	rs322442	G	A	-0.062	0.009	0.636	1.84E-12	-0.022	0.017	0.199	0.001	49.641	TRUE	1.69E-08
COPD in never smokers	TLR3	rs327081	A	G	-0.070	0.010	0.241	1.90E-12	0.012	0.018	0.519	0.001	49.579	TRUE	2.96E-09
COPD in never smokers	TLR3	rs327090	G	A	-0.057	0.009	0.684	2.59E-10	-0.022	0.018	0.213	0.001	39.957	TRUE	5.23E-07
COPD in never smokers	TLR3	rs328419	A	G	-0.086	0.012	0.131	7.69E-12	0.066	0.028	0.017	0.001	46.842	TRUE	7.27E-07
COPD in never smokers	TLR3	rs34059176	A	G	-0.051	0.009	0.426	2.62E-09	-0.006	0.018	0.726	0.001	35.447	TRUE	3.25E-07
COPD in never smokers	TLR3	rs34836741	C	T	0.089	0.009	0.354	5.58E-24	-0.019	0.017	0.246	0.003	101.985	TRUE	4.50E-17
COPD in never smokers	TLR3	rs35706535	C	T	0.327	0.023	0.033	7.78E-46	0.040	0.040	0.326	0.006	201.954	TRUE	8.66E-34
COPD in never smokers	TLR3	rs3733416	A	G	-0.135	0.020	0.047	3.04E-11	0.019	0.037	0.604	0.001	44.147	TRUE	1.69E-08
COPD in never smokers	TLR3	rs4241811	T	C	-0.066	0.010	0.776	1.78E-10	-0.035	0.020	0.080	0.001	40.697	TRUE	1.34E-06
COPD in never smokers	TLR3	rs4253416	T	C	0.116	0.008	0.534	1.71E-42	-0.007	0.017	0.694	0.005	186.638	TRUE	1.13E-32
COPD in never smokers	TLR3	rs4260577	T	C	-0.070	0.009	0.708	7.20E-14	-0.034	0.018	0.066	0.002	56.009	TRUE	7.93E-09
COPD in never smokers	TLR3	rs4394044	T	C	-0.071	0.008	0.531	1.06E-16	-0.005	0.017	0.750	0.002	68.852	TRUE	6.14E-13
COPD in never smokers	TLR3	rs4565117	T	C	-0.115	0.017	0.933	1.34E-11	0.024	0.035	0.494	0.001	45.753	TRUE	1.42E-08
COPD in never smokers	TLR3	rs4861699	G	A	-0.429	0.008	0.792	1.00E-200	0.015	0.022	0.512	0.072	2769.383	TRUE	1.00E-200
COPD in never smokers	TLR3	rs4861707	G	A	0.235	0.009	0.300	2.82E-145	0.045	0.018	0.010	0.018	658.692	TRUE	3.70E-102
COPD in never smokers	TLR3	rs4862624	G	T	0.064	0.009	0.645	3.19E-13	0.015	0.018	0.390	0.001	53.087	TRUE	1.44E-09
COPD in never smokers	TLR3	rs4862688	G	T	-0.086	0.012	0.851	7.13E-13	0.033	0.022	0.136	0.001	51.505	TRUE	1.51E-08
COPD in never smokers	TLR3	rs4862733	C	T	-0.084	0.009	0.342	3.97E-21	-0.004	0.017	0.836	0.002	88.986	TRUE	1.54E-16
COPD in never smokers	TLR3	rs550623234	T	C	0.360	0.027	0.025	3.09E-41	-0.099	0.063	0.119	0.005	180.882	TRUE	5.44E-29
COPD in never smokers	TLR3	rs55750309	G	A	-0.129	0.022	0.039	2.32E-09	-0.122	0.084	0.149	0.001	35.679	TRUE	3.89E-06
COPD in never smokers	TLR3	rs56112616	A	G	-0.316	0.026	0.026	1.66E-33	0.009	0.047	0.850	0.004	145.505	TRUE	3.45E-26
COPD in never smokers	TLR3	rs56257062	A	C	0.080	0.013	0.131	1.68E-10	0.019	0.025	0.437	0.001	40.803	TRUE	1.19E-07
COPD in never smokers	TLR3	rs58621366	A	G	0.238	0.010	0.261	3.21E-136	0.016	0.019	0.409	0.017	617.054	TRUE	5.30E-103
COPD in never smokers	TLR3	rs60948654	T	C	0.066	0.009	0.326	3.73E-13	0.007	0.017	0.706	0.001	52.777	TRUE	3.95E-10
COPD in never smokers	TLR3	rs61136607	A	C	0.058	0.009	0.289	7.25E-10	0.022	0.019	0.244	0.001	37.951	TRUE	8.97E-07
COPD in never smokers	TLR3	rs61217267	T	C	-0.211	0.028	0.025	2.74E-14	-0.022	0.050	0.662	0.002	57.909	TRUE	6.42E-11
COPD in never smokers	TLR3	rs62334689	G	A	-0.231	0.014	0.102	5.90E-61	-0.021	0.028	0.449	0.008	271.290	TRUE	7.40E-46
COPD in never smokers	TLR3	rs62335266	C	T	0.245	0.037	0.014	5.16E-11	0.022	0.059	0.705	0.001	43.114	TRUE	1.73E-08
COPD in never smokers	TLR3	rs62335676	C	T	-0.088	0.015	0.085	5.86E-09	-0.005	0.032	0.880	0.001	33.880	TRUE	3.71E-07
COPD in never smokers	TLR3	rs62342733	A	G	-0.135	0.016	0.075	1.98E-17	-0.031	0.029	0.289	0.002	72.158	TRUE	2.11E-12
COPD in never smokers	TLR3	rs6822014	G	A	-0.239	0.011	0.200	8.41E-113	0.022	0.021	0.299	0.014	509.413	TRUE	2.60E-84
COPD in never smokers	TLR3	rs6822725	T	C	0.084	0.013	0.880	2.32E-10	-0.006	0.024	0.795	0.001	40.173	TRUE	4.01E-08
COPD in never smokers	TLR3	rs6832915	A	C	0.063	0.010	0.211	1.15E-09	-0.010	0.020	0.612	0.001	37.044	TRUE	2.57E-07
COPD in never smokers	TLR3	rs6839415	C	T	-0.110	0.013	0.112	3.97E-16	-0.011	0.034	0.750	0.002	66.249	TRUE	1.70E-12
COPD in never smokers	TLR3	rs6839642	C	A	-0.079	0.010	0.766	2.06E-15	-0.033	0.019	0.085	0.002	63.004	TRUE	4.78E-10
COPD in never smokers	TLR3	rs6850080	C	T	0.051	0.009	0.307	2.32E-08	0.015	0.018	0.419	0.001	31.209	TRUE	4.87E-06
COPD in never smokers	TLR3	rs6850790	A	G	-0.248	0.011	0.166	5.14E-106	-0.011	0.022	0.632	0.013	478.220	TRUE	2.59E-81
COPD in never smokers	TLR3	rs6856458	G	A	0.156	0.011	0.197	6.38E-49	0.005	0.020	0.811	0.006	216.100	TRUE	4.91E-38
COPD in never smokers	TLR3	rs72646294	A	G	-0.236	0.031	0.020	2.06E-14	-0.088	0.066	0.180	0.002	58.473	TRUE	7.89E-10
COPD in never smokers	TLR3	rs72708972	T	C	-0.440	0.013	0.114	6.58E-245	-0.029	0.029	0.316	0.030	1116.963	TRUE	1.30E-184
COPD in never smokers	TLR3	rs72709988	G	A	0.108	0.019	0.053	1.27E-08	0.024	0.032	0.455	0.001	32.378	TRUE	2.72E-06
COPD in never smokers	TLR3	rs72710517	T	G	0.223	0.009	0.299	4.56E-130	0.018	0.018	0.323	0.016	588.771	TRUE	1.26E-97

COPD in never smokers	TLR3	rs72711509	G	A	0.095	0.015	0.084	4.77E-10	0.036	0.031	0.245	0.001	38.767	TRUE	6.61E-07
COPD in never smokers	TLR3	rs72711550	G	T	-0.160	0.011	0.162	2.76E-44	0.000	0.022	0.982	0.005	194.851	TRUE	5.58E-35
COPD in never smokers	TLR3	rs72712063	G	A	0.094	0.015	0.086	5.80E-10	-0.004	0.035	0.919	0.001	38.386	TRUE	5.39E-08
COPD in never smokers	TLR3	rs72712610	A	G	-0.183	0.024	0.031	2.02E-14	0.065	0.050	0.197	0.002	58.507	TRUE	6.71E-10
COPD in never smokers	TLR3	rs72718122	T	C	-0.125	0.014	0.098	3.30E-18	-0.007	0.026	0.790	0.002	75.698	TRUE	3.51E-14
COPD in never smokers	TLR3	rs73021892	C	T	-0.071	0.010	0.227	1.65E-12	0.064	0.022	0.004	0.001	49.858	TRUE	9.67E-07
COPD in never smokers	TLR3	rs73873620	G	A	0.113	0.014	0.098	1.56E-15	0.006	0.032	0.839	0.002	63.550	TRUE	3.34E-12
COPD in never smokers	TLR3	rs73875751	A	G	0.237	0.039	0.012	1.38E-09	0.006	0.068	0.928	0.001	36.692	TRUE	1.03E-07
COPD in never smokers	TLR3	rs73876146	C	T	-0.289	0.039	0.012	1.03E-13	0.006	0.067	0.933	0.002	55.313	TRUE	5.95E-11
COPD in never smokers	TLR3	rs74352659	A	C	-0.056	0.010	0.253	2.54E-08	-0.005	0.018	0.755	0.001	31.029	TRUE	1.69E-06
COPD in never smokers	TLR3	rs74769576	T	C	-0.179	0.009	0.415	3.00E-97	-0.015	0.017	0.370	0.012	437.939	TRUE	4.84E-73
COPD in never smokers	TLR3	rs74821579	C	A	-0.212	0.037	0.013	1.39E-08	0.002	0.071	0.977	0.001	32.204	TRUE	5.42E-07
COPD in never smokers	TLR3	rs74868135	A	G	-0.170	0.022	0.037	3.96E-14	-0.024	0.041	0.570	0.002	57.184	TRUE	1.27E-10
COPD in never smokers	TLR3	rs75163896	A	G	-0.095	0.013	0.114	1.42E-12	-0.027	0.027	0.314	0.001	50.155	TRUE	6.54E-09
COPD in never smokers	TLR3	rs75207507	G	A	-0.253	0.036	0.014	2.96E-12	-0.099	0.062	0.109	0.001	48.710	TRUE	5.49E-08
COPD in never smokers	TLR3	rs75313972	A	G	0.196	0.034	0.015	6.36E-09	-0.002	0.056	0.972	0.001	33.719	TRUE	2.98E-07
COPD in never smokers	TLR3	rs75338999	G	A	-0.230	0.029	0.022	2.23E-15	0.034	0.048	0.477	0.002	62.843	TRUE	2.28E-11
COPD in never smokers	TLR3	rs75620353	T	C	0.271	0.021	0.040	3.85E-37	-0.072	0.053	0.176	0.005	162.133	TRUE	1.98E-26
COPD in never smokers	TLR3	rs75822539	A	G	0.103	0.011	0.154	1.27E-19	-0.015	0.025	0.546	0.002	82.129	TRUE	9.85E-15
COPD in never smokers	TLR3	rs7661225	A	G	-0.086	0.015	0.914	1.81E-08	-0.080	0.025	0.002	0.001	31.692	TRUE	4.47E-04
COPD in never smokers	TLR3	rs76796229	G	A	0.129	0.022	0.042	2.59E-09	-0.012	0.037	0.739	0.001	35.471	TRUE	3.08E-07
COPD in never smokers	TLR3	rs7687352	G	A	-0.064	0.008	0.534	4.58E-14	0.003	0.016	0.840	0.002	56.898	TRUE	4.59E-11
COPD in never smokers	TLR3	rs7690862	T	C	-0.228	0.026	0.028	1.28E-18	0.177	0.063	0.005	0.002	77.566	TRUE	9.06E-11
COPD in never smokers	TLR3	rs76953615	G	A	-0.112	0.017	0.062	7.98E-11	0.004	0.034	0.906	0.001	42.260	TRUE	1.20E-08
COPD in never smokers	TLR3	rs77248592	C	T	-0.116	0.018	0.061	9.81E-11	0.008	0.039	0.835	0.001	41.858	TRUE	1.79E-08
COPD in never smokers	TLR3	rs77409755	C	T	0.123	0.018	0.058	1.56E-11	0.027	0.043	0.521	0.001	45.452	TRUE	1.42E-08
COPD in never smokers	TLR3	rs77804005	G	A	-0.076	0.011	0.204	6.15E-13	0.022	0.019	0.260	0.001	51.796	TRUE	4.97E-09
COPD in never smokers	TLR3	rs77818199	C	T	0.138	0.017	0.068	2.35E-16	0.041	0.036	0.245	0.002	67.277	TRUE	1.81E-11
COPD in never smokers	TLR3	rs77842378	A	G	0.306	0.043	0.010	8.58E-13	0.121	0.081	0.136	0.001	51.142	TRUE	1.72E-08
COPD in never smokers	TLR3	rs77855456	T	G	0.211	0.016	0.075	3.36E-39	0.018	0.026	0.497	0.005	171.559	TRUE	1.78E-29
COPD in never smokers	TLR3	rs77963370	A	G	0.404	0.029	0.021	3.81E-43	0.098	0.053	0.066	0.005	189.628	TRUE	9.52E-30
COPD in never smokers	TLR3	rs78288542	A	G	-0.172	0.020	0.045	1.83E-17	-0.067	0.037	0.067	0.002	72.320	TRUE	2.44E-11
COPD in never smokers	TLR3	rs78633472	T	C	-0.415	0.033	0.017	5.76E-36	0.015	0.052	0.770	0.004	156.758	TRUE	7.19E-28
COPD in never smokers	TLR3	rs78700143	A	G	0.197	0.023	0.038	5.10E-18	-0.053	0.053	0.318	0.002	74.836	TRUE	6.31E-13
COPD in never smokers	TLR3	rs79405178	T	C	-0.289	0.028	0.022	2.66E-24	-0.081	0.081	0.320	0.003	103.451	TRUE	1.34E-17
COPD in never smokers	TLR3	rs79535758	A	G	-0.210	0.036	0.014	6.21E-09	-0.045	0.071	0.525	0.001	33.766	TRUE	1.24E-06
COPD in never smokers	TLR3	rs830829	T	G	-0.058	0.009	0.553	1.23E-11	-0.037	0.017	0.035	0.001	45.925	TRUE	5.17E-07
COPD in never smokers	TLR3	rs919649	C	T	0.103	0.014	0.903	3.25E-13	0.016	0.031	0.600	0.001	53.048	TRUE	5.48E-10
COPD in never smokers	TLR3	rs9993535	A	C	-0.070	0.010	0.206	2.04E-11	0.020	0.023	0.374	0.001	44.930	TRUE	3.36E-08
COPD in never smokers	TLR3	rs9995398	T	C	0.080	0.009	0.324	9.07E-19	0.013	0.018	0.475	0.002	78.247	TRUE	6.45E-14
COPD in never smokers	TLR3	rs9998709	G	A	-0.079	0.010	0.242	1.03E-15	0.031	0.019	0.104	0.002	64.363	TRUE	2.20E-10

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim

Table S27. Colocalization analysis of associations between PCD-related gene methylation and COPD*

Outcome	Gene	probeID	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
Overall COPD	GSDMB	cg10057218	1074	3.76E-86	4.13E-04	3.27E-83	0.36	0.64
Overall COPD	ITPRIP	cg27365978	929	1.79E-94	5.83E-04	7.90E-93	0.02	0.97
Overall COPD	ORMDL3	cg10909506	1180	2.81E-273	6.99E-04	2.45E-270	0.61	0.39
Overall COPD	ORMDL3	cg18711369	1221	1.93E-297	6.98E-04	1.68E-294	0.61	0.39
Overall COPD	ITPRIP	cg22882506	691	1.33E-50	1.07E-03	5.90E-49	0.05	0.95
Overall COPD	ITPRIP	cg02682924	473	2.91E-30	6.19E-04	1.28E-28	0.03	0.97
Overall COPD	GSDMB	cg27435903	762	7.46E-52	6.45E-04	6.48E-49	0.56	0.44
Overall COPD	ITPRIP	cg11276172	487	1.76E-20	3.97E-04	7.76E-19	0.02	0.98
Overall COPD	GPX1	cg07274523	763	4.66E-61	2.02E-03	7.84E-59	0.34	0.66
Overall COPD	ORMDL3	cg22144450	931	2.34E-88	1.22E-04	2.03E-85	0.11	0.89
Overall COPD	ITPRIP	cg25552843	738	2.46E-15	3.00E-04	1.09E-13	0.01	0.99
Overall COPD	ITPRIP	cg24168991	1283	0.00E+00	0.01	0.00E+00	0.46	0.53
Overall COPD	ITPRIP	cg24199006	313	9.10E-13	3.91E-04	4.02E-11	0.02	0.98
Overall COPD	ORMDL3	cg19511844	872	3.85E-30	9.18E-04	3.35E-27	0.80	0.20
Overall COPD	ORMDL3	cg12655416	1147	4.23E-127	4.84E-04	3.68E-124	0.42	0.58
Overall COPD	GSDMA	cg24910161	946	0.00E+00	1.11E-03	0.00E+00	0.97	0.03
Overall COPD	GSDMA	cg26162295	974	1.43E-322	1.11E-03	1.26E-319	0.97	0.03
Overall COPD	ATP2A1	cg04414917	588	6.34E-58	0.08	8.29E-58	0.11	0.81
Overall COPD	STX4	cg07404961	505	4.34E-44	0.02	2.04E-42	0.76	0.23
Overall COPD	ITPRIP	cg19640166	422	8.06E-07	3.62E-04	3.56E-05	0.01	0.98
Overall COPD	STX4	cg08893833	504	4.44E-12	0.02	2.08E-10	0.72	0.26
Overall COPD	STX4	cg06233904	551	4.33E-23	0.02	2.03E-21	0.77	0.22
Overall COPD	CDC42	cg11572548	740	2.48E-31	0.12	1.10E-31	0.05	0.82
Overall COPD	FBXO31;MAP1LC3B	cg06750038	1317	7.61E-109	0.20	1.12E-109	0.03	0.78
Overall COPD	LEPR	cg14199090	863	6.67E-27	0.17	1.37E-27	0.03	0.80
Overall COPD	CDC42	cg23987736	827	2.51E-24	0.12	1.25E-24	0.06	0.81
Overall COPD	NCK1	cg09847234	781	5.13E-23	0.05	1.29E-22	0.13	0.82
Overall COPD	CSF2	cg16565692	1006	1.46E-24	1.17E-06	1.25E-18	1.00	4.17E-06
COPD in ever-smokers	PPT2	cg08295094	2126	2.38E-124	2.42E-04	9.79E-121	0.99	5.68E-03
COPD in ever-smokers	ATP2A3	cg00095677	1200	0.00E+00	0.39	0.00E+00	0.39	0.23
COPD in ever-smokers	ATP2A3	cg20473595	892	9.51E-40	0.02	9.53E-40	0.02	0.96
COPD in ever-smokers	ATP2A3	cg06463185	1120	2.45E-70	0.37	2.46E-70	0.37	0.25
COPD in ever-smokers	ATP2A3	cg18963239	690	3.89E-19	0.01	3.88E-19	0.01	0.98
COPD in never-smokers	PPT2	cg08057899	1864	4.40E-24	3.11E-10	1.42E-14	1.00	1.09E-07
COPD in never-smokers	ERBB3	cg23731805	499	4.40E-38	2.02E-03	5.50E-37	0.02	0.97
COPD in never-smokers	TRIM27	cg03270340	225	2.24E-191	6.74E-04	5.25E-189	0.16	0.84
COPD in never-smokers	HSPA1B	cg04835051	445	4.98E-45	2.64E-06	1.89E-39	1.00	4.28E-05
COPD in never-smokers	HSPA1B	cg16372051	551	1.99E-51	2.64E-06	7.53E-46	1.00	4.28E-05
COPD in never-smokers	SLC9A3R1	cg21922841	727	2.16E-133	0.08	3.09E-134	0.01	0.91
COPD in never-smokers	ERBB3	cg17843101	233	5.56E-14	0.02	6.94E-13	0.19	0.79

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S28. Colocalization analysis of associations between PCD-related gene expression and COPD*

Outcome	Gene	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
Overall COPD	MAPK3	2486	0.00E+00	1.67E-04	0.00E+00	0.016	0.984
Overall COPD	GSDMB	4287	0.00E+00	8.69E-04	0.00E+00	0.755	0.245
Overall COPD	IRF1	4319	4.02E-22	1.60E-06	2.49E-16	0.988	0.012
Overall COPD	ITPRIP	4958	6.16E-102	0.010	2.74E-100	0.464	0.525
Overall COPD	NR4A2	4292	1.78E-20	0.010	2.03E-19	0.115	0.875
Overall COPD	MAP1LC3B	7092	3.55E-237	0.109	9.40E-238	0.028	0.863
Overall COPD	KAT8	2470	3.68E-147	0.012	2.70E-145	0.917	0.071
Overall COPD	CLN3	3505	1.48E-113	0.199	1.98E-113	0.267	0.534
Overall COPD	SLC39A10	5746	0.00E+00	0.354	0.00E+00	0.326	0.320
COPD in never-smokers	RNF5	6499	1.19E-29	1.55E-11	7.67E-19	1.000	1.56E-06
COPD in never-smokers	ERBB3	4019	1.80E-89	0.010	2.39E-88	0.133	0.857
COPD in never-smokers	ATP13A2	5514	1.83E-87	0.048	2.33E-87	0.061	0.891
COPD in never-smokers	SLC9A3R1	6141	1.32E-171	0.074	1.25E-171	0.069	0.856
COPD in never-smokers	SLC39A6	4767	6.02E-14	0.061	5.14E-14	0.051	0.888

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S29. Colocalization analysis of associations between proteins encoded by PCD-related genes and COPD*

Outcome	Gene	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
Overall COPD	MAPK3	2734	1.31E-184	1.94E-04	1.33E-182	0.02	0.98
Overall COPD	NQO1	4108	0.00E+00	0.20	0.00E+00	0.45	0.34
COPD in never-smokers	ERBB3	4147	9.55E-33	0.02	1.18E-31	0.23	0.75

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S30. SMR analysis of associations between PCD-related gene methylation and lung function parameters*

Outcome	Gene	probeID	topSNP	Beta	SE	Beta (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
FVC	MCL1	cg13175981	rs61820165	-0.036	0.004	-0.036 (-0.043, -0.029)	1.57E-24	5.49E-22	0.327	20
FVC	PPT2	cg03434432	rs3130283	-0.026	0.003	-0.026 (-0.031, -0.020)	1.25E-19	3.24E-17	0.068	20
FVC	PPT2	cg00086577	rs3130283	-0.045	0.005	-0.045 (-0.056, -0.035)	1.94E-17	4.61E-15	0.125	20
FVC	PPT2	cg04856022	rs3130283	-0.053	0.006	-0.053 (-0.065, -0.040)	1.46E-16	3.00E-14	0.298	20
FVC	PPT2	cg04536704	rs3130283	-0.057	0.007	-0.057 (-0.070, -0.043)	3.85E-16	7.64E-14	0.433	20
FVC	PPT2	cg06832687	rs3130283	-0.058	0.007	-0.058 (-0.072, -0.044)	6.09E-16	1.17E-13	0.056	20
FVC	PPT2	cg03995156	rs3130283	-0.065	0.008	-0.065 (-0.081, -0.048)	3.80E-15	6.64E-13	0.213	20
FVC	MCL1	cg18016565	rs35967040	0.075	0.010	0.075 (0.056, 0.094)	7.68E-15	1.27E-12	0.020	20
FVC	PRRT1;PPT2	cg00403498	rs3130283	-0.068	0.009	-0.068 (-0.085, -0.051)	8.65E-15	1.39E-12	0.017	20
FVC	TRIM27	cg23756442	rs3135293	0.076	0.010	0.076 (0.057, 0.096)	9.88E-15	1.55E-12	0.062	20
FVC	PPT2	cg21241317	rs3130283	-0.087	0.012	-0.087 (-0.111, -0.063)	9.83E-13	1.36E-10	0.116	20
FVC	STX4	cg07404961	rs35961830	-0.053	0.008	-0.053 (-0.068, -0.038)	7.27E-12	9.20E-10	0.127	20
FVC	PPT2	cg04877280	rs3130283	-0.095	0.014	-0.095 (-0.123, -0.068)	9.73E-12	1.21E-09	0.127	20
FVC	MCL1	cg02961109	rs6587756	0.113	0.018	0.113 (0.079, 0.148)	9.93E-11	1.18E-08	0.028	20
FVC	PPT2;PRRT1	cg23359665	rs3130283	0.112	0.018	0.112 (0.077, 0.147)	3.45E-10	3.87E-08	0.364	20
FVC	EYA2	cg26046136	rs6018188	-0.095	0.015	-0.095 (-0.125, -0.065)	5.07E-10	5.58E-08	0.053	20
FVC	STX4	cg06233904	rs58726213	0.072	0.012	0.072 (0.049, 0.094)	5.35E-10	5.79E-08	0.453	20
FVC	PPT2;PRRT1	cg06108383	rs3130283	0.115	0.019	0.115 (0.079, 0.152)	6.70E-10	7.12E-08	0.299	20
FVC	PPT2;PRRT1	cg02956248	rs3130283	0.117	0.019	0.117 (0.079, 0.154)	8.76E-10	8.84E-08	0.316	20
FVC	WNT4	cg25011003	rs55938609	0.054	0.009	0.054 (0.036, 0.071)	1.11E-09	1.10E-07	0.695	20
FVC	CSF2	cg16565692	rs3864277	-0.076	0.013	-0.076 (-0.101, -0.051)	1.28E-09	1.22E-07	0.182	20
FVC	PPT2;PRRT1	cg17113856	rs3130071	0.099	0.016	0.099 (0.067, 0.131)	1.72E-09	1.62E-07	0.156	20
FVC	WNT4	cg15582954	rs55938609	0.065	0.011	0.065 (0.043, 0.087)	7.03E-09	6.54E-07	0.535	20
FVC	IREB2	cg13714459	rs2656065	-0.053	0.009	-0.053 (-0.072, -0.035)	1.31E-08	1.16E-06	0.418	20
FVC	CSF2	cg16465129	rs3916443	-0.080	0.014	-0.080 (-0.108, -0.053)	1.69E-08	1.48E-06	0.073	20
FVC	PPT2	cg27070869	rs3130283	-0.138	0.025	-0.138 (-0.187, -0.090)	2.27E-08	1.95E-06	0.398	20
FVC	IREB2	cg19941054	rs2089162	-0.057	0.010	-0.057 (-0.077, -0.037)	2.80E-08	2.38E-06	0.217	20
FVC	STX4	cg08893833	rs729482	0.096	0.017	0.096 (0.062, 0.130)	2.86E-08	2.39E-06	0.268	20
FVC	CTSS	cg15900387	rs2039590	0.127	0.023	0.127 (0.082, 0.173)	3.26E-08	2.65E-06	0.085	20
FVC	BCL2L1	cg13852791	rs6058449	-0.015	0.003	-0.015 (-0.020, -0.009)	4.64E-08	3.73E-06	0.690	20
FVC	PPT2	cg17384105	rs34451818	-0.060	0.011	-0.060 (-0.082, -0.039)	4.70E-08	3.73E-06	0.072	20
FVC	TRIM27	cg27120125	rs13200214	0.161	0.031	0.161 (0.101, 0.221)	1.41E-07	1.01E-05	0.251	20
FVC	MUC1	cg15699386	rs423144	0.027	0.005	0.027 (0.017, 0.037)	1.58E-07	1.12E-05	0.094	20
FVC	TNF	cg10717214	rs3130283	-0.153	0.030	-0.153 (-0.211, -0.095)	2.30E-07	1.59E-05	0.061	20
FVC	PPT2;PRRT1	cg13934406	rs3117578	0.135	0.026	0.135 (0.083, 0.186)	3.60E-07	2.33E-05	0.371	20
FVC	HIP1R	cg19340625	rs11060406	-0.031	0.006	-0.031 (-0.043, -0.019)	3.85E-07	2.46E-05	0.150	20
FVC	PARK7	cg00042356	rs7517357	-0.025	0.005	-0.025 (-0.035, -0.016)	4.66E-07	2.95E-05	0.619	20
FVC	BMF	cg09749364	rs11637681	-0.105	0.021	-0.105 (-0.147, -0.063)	8.43E-07	5.12E-05	0.588	13
FVC	PPT2;PRRT1	cg06025456	rs6457535	0.131	0.027	0.131 (0.079, 0.184)	9.95E-07	5.98E-05	0.456	20
FVC	FEZ1	cg12906303	rs2513090	0.022	0.005	0.022 (0.013, 0.031)	1.02E-06	6.09E-05	0.168	20

FVC	PPT2;PRRT1	cg10551329	rs3130283	0.167	0.034	0.167 (0.100, 0.235)	1.15E-06	6.74E-05	0.633	20
FVC	FGF10	cg16536718	rs969520	0.085	0.018	0.085 (0.051, 0.119)	1.24E-06	7.10E-05	0.038	20
FVC	GPX1	cg07274523	rs6446277	0.030	0.006	0.030 (0.018, 0.042)	1.61E-06	9.03E-05	0.077	20
FVC	TRAP1	cg04439028	rs710891	0.101	0.021	0.101 (0.060, 0.143)	1.61E-06	9.03E-05	0.044	20
FVC	GPX1	cg02758552	rs9858280	0.037	0.008	0.037 (0.022, 0.053)	1.85E-06	1.03E-04	0.062	20
FVC	ATP2A1	cg04414917	rs12928404	0.030	0.006	0.030 (0.018, 0.042)	1.96E-06	1.08E-04	0.860	20
FVC	MUL1	cg26370078	rs112684754	-0.014	0.003	-0.014 (-0.019, -0.008)	2.07E-06	1.12E-04	0.365	20
FVC	ATP13A2	cg06953703	rs9435739	-0.111	0.023	-0.111 (-0.156, -0.065)	2.07E-06	1.12E-04	0.046	20
FVC	FER	cg16174681	rs79409628	0.043	0.009	0.043 (0.025, 0.060)	2.08E-06	1.12E-04	0.304	20
FVC	SNORD71;AP1G1	cg03540912	rs34998650	0.022	0.005	0.022 (0.013, 0.032)	2.15E-06	1.14E-04	0.276	20
FVC	ATP2A1	cg05966235	rs8056890	-0.015	0.003	-0.015 (-0.021, -0.009)	2.51E-06	1.31E-04	0.077	20
FVC	FEZ1	cg18436735	rs669052	0.028	0.006	0.028 (0.016, 0.039)	2.75E-06	1.40E-04	0.202	20
FVC	NUPR1	cg05590982	rs149278	-0.073	0.016	-0.073 (-0.103, -0.042)	2.90E-06	1.46E-04	0.972	20
FVC	CUL3	cg06867755	rs3845840	-0.020	0.004	-0.020 (-0.029, -0.012)	2.98E-06	1.48E-04	0.776	20
FVC	PARK7	cg10385390	rs34157438	0.043	0.009	0.043 (0.025, 0.062)	3.14E-06	1.55E-04	0.029	20
FVC	FEZ1	cg01460481	rs666160	0.020	0.004	0.020 (0.012, 0.029)	3.21E-06	1.56E-04	0.356	20
FVC	HSP90AA1	cg02017208	rs11621083	-0.023	0.005	-0.023 (-0.032, -0.013)	3.81E-06	1.81E-04	0.142	20
FVC	TMBIM6	cg20471783	rs4584654	0.019	0.004	0.019 (0.011, 0.027)	4.41E-06	2.03E-04	0.480	20
FVC	PPT2;PRRT1	cg12883279	rs1061808	0.114	0.025	0.114 (0.065, 0.163)	4.50E-06	2.03E-04	0.148	20
FVC	TNF	cg11484872	rs1041981	-0.134	0.029	-0.134 (-0.192, -0.077)	4.81E-06	2.12E-04	0.568	18
FVC	UNC5B	cg19673155	rs1124397	0.058	0.013	0.058 (0.033, 0.084)	6.88E-06	2.92E-04	0.931	20
FVC	ATP13A2	cg16027378	rs2235930	-0.110	0.025	-0.110 (-0.159, -0.061)	9.40E-06	3.91E-04	0.104	20
FVC	JMY	cg24856658	rs12189248	-0.043	0.010	-0.043 (-0.063, -0.024)	9.62E-06	3.97E-04	0.417	20
FVC	FER	cg11403831	rs79409628	-0.060	0.014	-0.060 (-0.087, -0.033)	1.02E-05	4.18E-04	0.526	20
FVC	FAIM	cg17462391	rs1672928	0.041	0.009	0.041 (0.023, 0.060)	1.05E-05	4.24E-04	0.081	20
FVC	UNC5B	cg11224737	rs10999741	-0.051	0.012	-0.051 (-0.074, -0.028)	1.09E-05	4.37E-04	0.901	20
FVC	TMEM102	cg18064787	rs72842820	0.030	0.007	0.030 (0.017, 0.044)	1.44E-05	5.57E-04	0.018	20
FVC	SLC30A2	cg01689405	rs1317709	-0.050	0.011	-0.050 (-0.072, -0.027)	1.47E-05	5.63E-04	0.017	20
FVC	NEU1;SLC44A4	cg21116447	rs56280220	-0.064	0.015	-0.064 (-0.094, -0.035)	1.58E-05	6.01E-04	0.242	15
FVC	WNT4	cg00356045	rs2268177	0.078	0.018	0.078 (0.042, 0.113)	1.85E-05	6.92E-04	0.042	20
FVC	FEZ2	cg06634576	rs848643	0.009	0.002	0.009 (0.005, 0.013)	1.93E-05	7.12E-04	0.224	20
FVC	MEFV	cg03919650	rs220377	0.039	0.009	0.039 (0.021, 0.058)	2.34E-05	8.30E-04	0.306	17
FVC	MAP1LC3A	cg01901788	rs6087608	0.019	0.004	0.019 (0.010, 0.028)	2.40E-05	8.35E-04	0.032	20
FVC	TP53INP2	cg00876694	rs6088618	0.066	0.016	0.066 (0.035, 0.097)	2.38E-05	8.35E-04	0.568	20
FVC	DDIT4	cg01839993	rs10762504	0.056	0.013	0.056 (0.030, 0.083)	2.40E-05	8.35E-04	0.422	20
FVC	NUPR1	cg15149645	rs17640009	0.032	0.008	0.032 (0.017, 0.047)	2.62E-05	9.06E-04	0.013	20
FVC	HINT1	cg08523029	rs72803743	-0.012	0.003	-0.012 (-0.018, -0.006)	3.31E-05	0.001	0.178	20
FVC	CRADD	cg23535137	rs11107182	0.061	0.015	0.061 (0.032, 0.091)	3.60E-05	0.001	0.330	20
FVC	SFN	cg13235717	rs12729652	-0.047	0.011	-0.047 (-0.069, -0.025)	3.58E-05	0.001	0.480	20
FVC	THBS1	cg25503381	rs3743125	0.056	0.014	0.056 (0.029, 0.083)	4.03E-05	0.001	0.012	20
FVC	MEFV	cg05554494	rs17136317	0.031	0.008	0.031 (0.016, 0.046)	4.07E-05	0.001	0.371	19
FVC	HSP90AA1	cg11789371	rs7156564	0.052	0.013	0.052 (0.027, 0.077)	4.22E-05	0.001	0.269	20

FVC	TP53INP2	cg04270048	rs6060017	0.025	0.006	0.025 (0.013, 0.038)	4.57E-05	0.001	0.129	20
FVC	RRAGA	cg25822709	rs2233798	0.017	0.004	0.017 (0.009, 0.025)	4.69E-05	0.001	0.458	20
FVC	BMF	cg26662201	rs34231574	0.085	0.021	0.085 (0.044, 0.127)	5.20E-05	0.002	0.087	10
FVC	USP36	cg23834688	rs11650046	-0.019	0.005	-0.019 (-0.028, -0.010)	5.81E-05	0.002	0.946	20
FVC	CD164	cg08222271	rs6920962	0.040	0.010	0.040 (0.021, 0.060)	5.96E-05	0.002	0.725	20
FVC	ATP2A1	cg27473355	rs9931989	-0.061	0.015	-0.061 (-0.090, -0.031)	6.27E-05	0.002	0.265	20
FVC	USP36	cg15465367	rs12604076	-0.023	0.006	-0.023 (-0.035, -0.012)	6.70E-05	0.002	0.884	20
FVC	AP3D1	cg19290738	rs12985980	-0.009	0.002	-0.009 (-0.013, -0.004)	7.77E-05	0.002	0.821	20
FVC	USP36	cg17278466	rs12604076	-0.027	0.007	-0.027 (-0.041, -0.014)	7.88E-05	0.002	0.748	20
FVC	TPCN2	cg18503234	rs595882	0.054	0.014	0.054 (0.027, 0.080)	8.08E-05	0.002	0.442	20
FVC	CD14	cg09824255	rs3138078	0.051	0.013	0.051 (0.025, 0.076)	8.67E-05	0.002	0.413	20
FVC	JMY	cg09228878	rs7711939	0.084	0.022	0.084 (0.042, 0.126)	9.06E-05	0.003	0.406	12
FVC	NEU1	cg13634177	rs3130455	0.095	0.024	0.095 (0.047, 0.143)	1.00E-04	0.003	0.473	20
FVC	TNF	cg12681001	rs56280220	-0.086	0.022	-0.086 (-0.130, -0.043)	1.04E-04	0.003	0.112	14
FVC	USP36	cg10256330	rs11077397	0.026	0.007	0.026 (0.013, 0.040)	1.06E-04	0.003	0.426	20
FVC	RRAGA	cg14727880	rs2233798	0.040	0.011	0.040 (0.020, 0.061)	1.27E-04	0.003	0.214	20
FVC	HRAS	cg12989344	rs12628	-0.026	0.007	-0.026 (-0.040, -0.013)	1.28E-04	0.003	0.947	20
FVC	HYAL2	cg12150256	rs7642692	0.047	0.012	0.047 (0.023, 0.071)	1.29E-04	0.003	0.114	20
FVC	KDR	cg18177533	rs1350542	0.100	0.026	0.100 (0.048, 0.151)	1.44E-04	0.004	0.150	13
FVC	PRKCA	cg12467435	rs9635753	-0.051	0.013	-0.051 (-0.078, -0.025)	1.45E-04	0.004	0.040	20
FVC	OTUB1	cg12836303	rs12417157	-0.015	0.004	-0.015 (-0.022, -0.007)	1.46E-04	0.004	0.533	20
FVC	HYAL2	cg12976582	rs12629572	0.028	0.007	0.028 (0.013, 0.042)	1.46E-04	0.004	0.389	20
FVC	USP36	cg20126656	rs3088040	0.023	0.006	0.023 (0.011, 0.034)	1.54E-04	0.004	0.305	20
FVC	BMF	cg07887985	rs539846	0.075	0.020	0.075 (0.036, 0.114)	1.56E-04	0.004	0.042	9
FVC	GFAP	cg07918341	rs17546654	-0.068	0.018	-0.068 (-0.103, -0.032)	1.69E-04	0.004	0.262	20
FVC	HYAL2	cg13341668	rs12629572	0.031	0.008	0.031 (0.015, 0.047)	1.68E-04	0.004	0.046	20
FVC	PTPMT1	cg05377527	rs11039308	-0.022	0.006	-0.022 (-0.034, -0.011)	1.78E-04	0.004	0.336	20
FVC	GFAP	cg18208742	rs76566528	-0.070	0.019	-0.070 (-0.106, -0.033)	1.88E-04	0.004	0.799	20
FVC	EYA4	cg17985029	rs1338009	-0.014	0.004	-0.014 (-0.021, -0.006)	2.03E-04	0.005	0.251	20
FVC	KDR	cg25444386	rs13126206	-0.087	0.024	-0.087 (-0.133, -0.041)	2.35E-04	0.005	0.276	5
FVC	FGFR1	cg16625770	rs17182002	-0.019	0.005	-0.019 (-0.029, -0.009)	2.37E-04	0.005	0.712	20
FVC	NFATC4	cg06993714	rs2332326	-0.020	0.006	-0.020 (-0.031, -0.010)	2.45E-04	0.005	0.103	20
FVC	AP3D1	cg17656426	rs62128400	-0.016	0.004	-0.016 (-0.024, -0.007)	2.46E-04	0.005	0.433	20
FVC	MUC1	cg22500132	rs914615	-0.050	0.014	-0.050 (-0.077, -0.023)	2.54E-04	0.005	0.214	20
FVC	CTSF	cg23230554	rs1044522	-0.035	0.010	-0.035 (-0.054, -0.016)	2.55E-04	0.005	0.056	20
FVC	HIPK2	cg14405813	rs4132077	-0.015	0.004	-0.015 (-0.024, -0.007)	2.87E-04	0.006	0.028	20
FVC	TGFB2	cg20991819	rs1473527	-0.076	0.021	-0.076 (-0.117, -0.035)	3.11E-04	0.006	0.218	14
FVC	PPT2;PRRT1	cg06814287	rs3130284	0.042	0.012	0.042 (0.019, 0.065)	3.21E-04	0.007	0.058	20
FVC	CD14	cg08830139	rs12153256	0.070	0.020	0.070 (0.032, 0.109)	3.52E-04	0.007	0.422	12
FVC	NFATC4	cg26158983	rs2332326	0.032	0.009	0.032 (0.014, 0.049)	3.52E-04	0.007	0.020	20
FVC	FGFR1	cg15321288	rs930828	-0.017	0.005	-0.017 (-0.026, -0.007)	3.54E-04	0.007	0.234	20
FVC	HINT1	cg07158495	rs2278058	-0.053	0.015	-0.053 (-0.083, -0.024)	3.55E-04	0.007	0.079	20

FVC	FOXK2	cg24220178	rs9914081	-0.022	0.006	-0.022 (-0.033, -0.010)	3.59E-04	0.007	0.303	20
FVC	WWOX	cg01365766	rs13334444	-0.070	0.020	-0.070 (-0.109, -0.031)	3.77E-04	0.008	0.207	20
FVC	DDIT4	cg20897136	rs4746110	0.074	0.021	0.074 (0.033, 0.115)	3.79E-04	0.008	0.542	20
FVC	CREB3L4;SLC39A1	cg09895920	rs4845586	0.042	0.012	0.042 (0.019, 0.065)	3.89E-04	0.008	0.610	20
FVC	ING5	cg20516529	rs112246762	0.021	0.006	0.021 (0.009, 0.032)	3.93E-04	0.008	0.784	9
FVC	GGA1	cg04984879	rs7285814	0.046	0.013	0.046 (0.020, 0.071)	4.02E-04	0.008	0.318	20
FVC	USP47	cg24383467	rs7937824	0.014	0.004	0.014 (0.006, 0.021)	4.16E-04	0.008	0.038	20
FVC	FEZ2	cg24860371	rs11693359	-0.050	0.014	-0.050 (-0.078, -0.022)	4.20E-04	0.008	0.044	20
FVC	NFATC4	cg14058476	rs2332326	-0.038	0.011	-0.038 (-0.059, -0.017)	4.53E-04	0.009	0.264	20
FVC	KIF1B	cg23716690	rs12127553	0.019	0.005	0.019 (0.008, 0.029)	4.59E-04	0.009	0.039	20
FVC	GDNF	cg24813562	rs3812047	-0.026	0.007	-0.026 (-0.041, -0.012)	4.60E-04	0.009	0.055	20
FVC	DIDO1	cg21976603	rs3746771	-0.029	0.008	-0.029 (-0.045, -0.013)	4.60E-04	0.009	0.220	20
FVC	DDIT4	cg10592592	rs4746110	0.078	0.022	0.078 (0.034, 0.122)	4.84E-04	0.009	0.359	20
FVC	ING5	cg13262212	rs138826996	0.023	0.007	0.023 (0.010, 0.036)	4.89E-04	0.009	0.879	9
FVC	BCL2	cg21793948	rs2551402	0.056	0.016	0.056 (0.025, 0.088)	5.07E-04	0.009	0.156	19
FVC	STAT3	cg25857307	rs113677368	0.077	0.022	0.077 (0.034, 0.121)	5.16E-04	0.010	0.454	16
FVC	PRKCA	cg04955246	rs9635753	-0.073	0.021	-0.073 (-0.114, -0.032)	5.23E-04	0.010	0.327	20
FVC	EYA4	cg13912545	rs1338009	-0.039	0.011	-0.039 (-0.062, -0.017)	5.36E-04	0.010	0.340	20
FVC	EYA4	cg21296676	rs9389054	-0.040	0.012	-0.040 (-0.063, -0.017)	5.55E-04	0.010	0.152	20
FVC	TBXAS1;HIPK2	cg00445997	rs1860509	-0.041	0.012	-0.041 (-0.065, -0.018)	5.54E-04	0.010	0.415	20
FVC	PPT2;PRRT1	cg20328456	rs3130348	0.051	0.015	0.051 (0.022, 0.080)	5.59E-04	0.010	0.083	20
FVC	DIDO1	cg04226366	rs755740	0.017	0.005	0.017 (0.007, 0.027)	5.60E-04	0.010	0.556	20
FVC	FEM1B	cg09796457	rs68069953	-0.031	0.009	-0.031 (-0.048, -0.013)	5.71E-04	0.010	0.041	20
FVC	PRKCA	cg17069533	rs9635753	-0.074	0.021	-0.074 (-0.116, -0.032)	5.85E-04	0.010	0.644	20
FVC	FOXK2	cg21093005	rs9914081	-0.031	0.009	-0.031 (-0.049, -0.013)	6.18E-04	0.011	0.493	20
FVC	USP36	cg07385573	rs3826552	0.028	0.008	0.028 (0.012, 0.044)	6.35E-04	0.011	0.342	20
FVC	MUC1	cg22531371	rs12411216	-0.062	0.018	-0.062 (-0.097, -0.026)	6.33E-04	0.011	0.078	20
FVC	ATP2A1	cg08213689	rs40831	-0.071	0.021	-0.071 (-0.112, -0.030)	6.51E-04	0.011	0.100	20
FVC	USP36	cg19024575	rs9900681	0.066	0.020	0.066 (0.028, 0.105)	6.98E-04	0.012	0.772	20
FVC	PAFAH1B2	cg10398005	rs2735181	-0.053	0.016	-0.053 (-0.084, -0.022)	7.06E-04	0.012	0.044	20
FVC	RPS7	cg20302414	rs4850068	-0.033	0.010	-0.033 (-0.053, -0.014)	7.36E-04	0.012	0.918	20
FVC	CAPN1	cg25363789	rs3953797	-0.010	0.003	-0.010 (-0.016, -0.004)	7.44E-04	0.012	0.013	20
FVC	PPT2;PRRT1	cg00110832	rs3130284	0.059	0.018	0.059 (0.025, 0.094)	7.64E-04	0.013	0.159	20
FVC	PRKCA;MIR634	cg20152382	rs35105653	-0.050	0.015	-0.050 (-0.079, -0.021)	7.86E-04	0.013	0.213	20
FVC	BAX	cg27565645	rs11671610	-0.014	0.004	-0.014 (-0.022, -0.006)	7.90E-04	0.013	0.300	20
FVC	NKX3-1	cg06696292	rs10503734	-0.029	0.009	-0.029 (-0.045, -0.012)	8.00E-04	0.013	0.903	10
FVC	TBXAS1;HIPK2	cg26407309	rs2058265	-0.039	0.012	-0.039 (-0.063, -0.016)	8.03E-04	0.013	0.244	20
FVC	TGFB2	cg07810039	rs3121580	-0.052	0.015	-0.052 (-0.082, -0.021)	8.10E-04	0.013	0.016	5
FVC	CTSA;NEURL2	cg08260891	rs742034	0.041	0.012	0.041 (0.017, 0.066)	8.13E-04	0.013	0.240	20
FVC	BAX	cg26673286	rs1009316	0.041	0.012	0.041 (0.017, 0.065)	8.29E-04	0.013	0.588	16
FVC	KIF1B	cg11712187	rs115345754	0.027	0.008	0.027 (0.011, 0.043)	8.54E-04	0.014	0.847	20
FVC	AP3D1	cg21414902	rs34615083	0.053	0.016	0.053 (0.022, 0.085)	8.86E-04	0.014	0.599	20

FVC	IL6	cg01770232	rs2066992	0.014	0.004	0.014 (0.006, 0.023)	8.95E-04	0.014	0.178	20
FVC	IL6	cg05472934	rs1800795	0.011	0.003	0.011 (0.004, 0.017)	9.04E-04	0.014	0.639	20
FVC	IL6	cg02335517	rs9718843	0.050	0.015	0.050 (0.020, 0.079)	9.35E-04	0.015	0.794	12
FVC	BCL2	cg16445842	rs2279115	-0.056	0.017	-0.056 (-0.089, -0.023)	9.60E-04	0.015	0.449	15
FVC	FGFR1	cg24828864	rs17175624	-0.043	0.013	-0.043 (-0.068, -0.017)	9.98E-04	0.015	0.344	14
FVC	SLC39A4	cg03453890	rs2977837	0.021	0.006	0.021 (0.008, 0.033)	0.001	0.015	0.132	20
FVC	CTSA;NEURL2	cg19067730	rs742034	0.046	0.014	0.046 (0.019, 0.074)	0.001	0.015	0.312	20
FVC	CSF2	cg26369418	rs31467	-0.063	0.019	-0.063 (-0.101, -0.025)	0.001	0.016	0.021	20
FVC	FOXK2	cg26986438	rs9914081	-0.039	0.012	-0.039 (-0.062, -0.016)	0.001	0.016	0.696	16
FVC	ITGAM	cg15337006	rs11865830	0.060	0.018	0.060 (0.024, 0.096)	0.001	0.016	0.019	20
FVC	EYA4	cg21390624	rs1338009	-0.053	0.016	-0.053 (-0.084, -0.021)	0.001	0.016	0.655	20
FVC	CAPZB	cg13100118	rs12755497	-0.053	0.016	-0.053 (-0.084, -0.021)	0.001	0.016	0.728	20
FVC	NCK2	cg21101995	rs4851841	0.058	0.018	0.058 (0.023, 0.093)	0.001	0.016	0.277	20
FVC	STK24	cg24247370	rs9645890	0.021	0.007	0.021 (0.009, 0.034)	0.001	0.016	0.476	20
FVC	CYP1B1	cg11656478	rs62136337	0.029	0.009	0.029 (0.012, 0.046)	0.001	0.017	0.324	20
FVC	SLC39A4	cg08969922	rs1011212	0.065	0.020	0.065 (0.026, 0.104)	0.001	0.017	0.593	8
FVC	CUL2	cg08905399	rs112403518	0.023	0.007	0.023 (0.009, 0.037)	0.001	0.018	0.140	20
FVC	GSTP1	cg11566244	rs4930436	0.011	0.003	0.011 (0.004, 0.017)	0.001	0.018	0.013	20
FVC	PDCD6	cg20990478	rs28581737	-0.039	0.012	-0.039 (-0.062, -0.015)	0.001	0.018	0.430	20
FVC	USP36	cg00945209	rs3744800	0.026	0.008	0.026 (0.010, 0.041)	0.001	0.018	0.062	20
FVC	CREB3L4;SLC39A1	cg07556888	rs10908578	-0.046	0.014	-0.046 (-0.075, -0.018)	0.001	0.018	0.310	20
FVC	IL6	cg26061582	rs1800797	0.013	0.004	0.013 (0.005, 0.020)	0.001	0.018	0.944	20
FVC	GSTP1	cg05244766	rs6591255	-0.021	0.007	-0.021 (-0.034, -0.008)	0.001	0.018	0.033	20
FVC	SLC39A4	cg18246227	rs2977837	-0.029	0.009	-0.029 (-0.046, -0.011)	0.001	0.018	0.501	16
FVC	CHMP4B	cg26347170	rs2378024	0.015	0.005	0.015 (0.006, 0.025)	0.001	0.018	0.042	20
FVC	PYCARD	cg00327577	rs4561481	0.065	0.020	0.065 (0.026, 0.105)	0.001	0.019	0.195	13
FVC	IL6	cg07998387	rs2066992	0.030	0.009	0.030 (0.012, 0.049)	0.001	0.019	0.331	18
FVC	FGFR1	cg12614213	rs4739558	0.057	0.018	0.057 (0.022, 0.091)	0.001	0.019	0.465	14
FVC	HIPK2	cg03224163	rs1860509	-0.061	0.019	-0.061 (-0.099, -0.024)	0.001	0.020	0.090	17
FVC	ITGAM	cg09326409	rs3815801	-0.053	0.016	-0.053 (-0.085, -0.020)	0.001	0.020	0.076	20
FVC	SNCA	cg08767460	rs2583988	0.007	0.002	0.007 (0.003, 0.012)	0.001	0.020	0.869	20
FVC	AP1M2	cg26292442	rs7248205	0.068	0.021	0.068 (0.026, 0.109)	0.001	0.021	0.358	20
FVC	ERBB3	cg10869879	rs4759229	0.027	0.008	0.027 (0.010, 0.043)	0.002	0.021	0.503	20
FVC	STAT1	cg18766080	rs2014259	0.069	0.022	0.069 (0.026, 0.112)	0.002	0.021	0.031	20
FVC	CAPZB	cg03542686	rs4912100	-0.045	0.014	-0.045 (-0.074, -0.017)	0.002	0.022	0.362	20
FVC	NCK2	cg13660477	rs4851867	-0.064	0.020	-0.064 (-0.103, -0.024)	0.002	0.022	0.067	20
FVC	MIA	cg24083702	rs17726258	-0.017	0.006	-0.017 (-0.028, -0.007)	0.002	0.022	0.044	20
FVC	GSTP1	cg06928838	rs4930436	0.026	0.008	0.026 (0.010, 0.042)	0.002	0.022	0.016	20
FVC	MMP9	cg23303369	rs3918256	0.010	0.003	0.010 (0.004, 0.016)	0.002	0.022	0.360	20
FVC	USP36	cg24759654	rs2279308	0.039	0.012	0.039 (0.015, 0.063)	0.002	0.022	0.231	20
FVC	WWOX	cg01623475	rs11647295	-0.024	0.008	-0.024 (-0.038, -0.009)	0.002	0.022	0.011	20
FVC	MMP9	cg20674635	rs3918256	0.013	0.004	0.013 (0.005, 0.020)	0.002	0.022	0.299	20

FVC	HRAS	cg16229772	rs11246161	0.057	0.018	0.057 (0.021, 0.092)	0.002	0.022	0.596	20
FVC	MMP9	cg23353432	rs13969	0.031	0.010	0.031 (0.012, 0.050)	0.002	0.023	0.662	20
FVC	CLEC16A	cg10390979	rs34306440	-0.031	0.010	-0.031 (-0.050, -0.012)	0.002	0.023	0.082	20
FVC	FAIM	cg06309968	rs7650967	0.051	0.016	0.051 (0.019, 0.082)	0.002	0.023	0.790	20
FVC	HIPK2	cg11032313	rs10268753	-0.026	0.008	-0.026 (-0.042, -0.010)	0.002	0.024	0.017	20
FVC	DCC	cg25602457	rs13381479	-0.023	0.007	-0.023 (-0.037, -0.009)	0.002	0.024	0.047	20
FVC	MMP9	cg26132320	rs3918256	0.018	0.006	0.018 (0.007, 0.029)	0.002	0.024	0.356	20
FVC	GSTP1	cg25135322	rs694746	-0.011	0.003	-0.011 (-0.018, -0.004)	0.002	0.025	0.082	20
FVC	LYN	cg24856456	rs9693980	0.059	0.019	0.059 (0.022, 0.096)	0.002	0.025	0.382	18
FVC	ATP6V0A1	cg20082357	rs9897504	-0.067	0.021	-0.067 (-0.109, -0.025)	0.002	0.025	0.359	20
FVC	FEZ2	cg04352803	rs848610	-0.043	0.014	-0.043 (-0.070, -0.016)	0.002	0.025	0.020	20
FVC	MMP9	cg04145601	rs3918253	0.017	0.005	0.017 (0.006, 0.027)	0.002	0.026	0.477	20
FVC	GSTP1	cg25866895	rs614080	-0.007	0.002	-0.007 (-0.011, -0.003)	0.002	0.026	0.058	20
FVC	IL6	cg13104385	rs1474347	0.007	0.002	0.007 (0.003, 0.012)	0.002	0.026	0.750	20
FVC	IL6	cg05265849	rs1474347	0.008	0.003	0.008 (0.003, 0.013)	0.002	0.026	0.767	20
FVC	CARS	cg01104590	rs74048783	0.013	0.004	0.013 (0.005, 0.021)	0.002	0.027	0.342	20
FVC	GSTP1	cg23725454	rs614080	-0.010	0.003	-0.010 (-0.016, -0.003)	0.002	0.027	0.075	20
FVC	CARS	cg17004353	rs74048783	0.013	0.004	0.013 (0.005, 0.022)	0.002	0.027	0.096	20
FVC	HYAL1	cg04380576	rs140406358	-0.047	0.015	-0.047 (-0.076, -0.017)	0.002	0.027	0.021	3
FVC	CARS	cg25072766	rs74048783	0.014	0.005	0.014 (0.005, 0.024)	0.002	0.027	0.109	20
FVC	NCK2	cg01577187	rs12616493	0.064	0.021	0.064 (0.023, 0.105)	0.002	0.027	0.210	20
FVC	USP36	cg01449677	rs3744799	0.043	0.014	0.043 (0.016, 0.071)	0.002	0.027	0.069	20
FVC	SLC39A4	cg05574324	rs2977837	0.044	0.014	0.044 (0.016, 0.072)	0.002	0.027	0.394	5
FVC	SMPD1	cg18477969	rs1050239	-0.012	0.004	-0.012 (-0.020, -0.004)	0.002	0.028	0.826	19
FVC	PIAS4	cg24479928	rs7248231	-0.039	0.013	-0.039 (-0.065, -0.014)	0.002	0.028	0.689	17
FVC	MMP9	cg04656101	rs3918253	0.023	0.008	0.023 (0.008, 0.038)	0.002	0.028	0.258	20
FVC	DAXX	cg18934106	rs465658	0.064	0.021	0.064 (0.023, 0.106)	0.002	0.029	0.024	9
FVC	ERBB3	cg23731805	rs705696	0.024	0.008	0.024 (0.008, 0.039)	0.002	0.029	0.222	20
FVC	LYN	cg02410887	rs2667982	-0.025	0.008	-0.025 (-0.041, -0.009)	0.002	0.029	0.077	20
FVC	USP13	cg05726764	rs1561843	0.008	0.003	0.008 (0.003, 0.013)	0.002	0.029	0.140	20
FVC	WDR20;HSP90AA1	cg18412984	rs7157099	-0.027	0.009	-0.027 (-0.045, -0.010)	0.002	0.029	0.286	20
FVC	NCK2	cg01295249	rs17208505	-0.012	0.004	-0.012 (-0.021, -0.004)	0.003	0.030	0.185	20
FVC	CARS	cg14935025	rs17687673	0.020	0.007	0.020 (0.007, 0.033)	0.003	0.031	0.090	20
FVC	LEP	cg25435800	rs3828942	0.051	0.017	0.051 (0.018, 0.084)	0.003	0.031	0.666	15
FVC	TPCN2	cg22484980	rs67321931	0.052	0.017	0.052 (0.018, 0.086)	0.003	0.031	0.240	20
FVC	FGFR3	cg00077738	rs28681468	-0.019	0.006	-0.019 (-0.032, -0.007)	0.003	0.031	0.140	20
FVC	SLC39A4	cg04600798	rs7843675	0.048	0.016	0.048 (0.017, 0.079)	0.003	0.032	0.062	5
FVC	SFRP1	cg07935886	rs72643819	-0.045	0.015	-0.045 (-0.074, -0.015)	0.003	0.032	0.257	10
FVC	PARP1	cg23712594	rs1136410	-0.016	0.005	-0.016 (-0.027, -0.006)	0.003	0.032	0.239	20
FVC	PARP1	cg24937136	rs12143101	-0.008	0.003	-0.008 (-0.013, -0.003)	0.003	0.032	0.152	20
FVC	BCL2	cg26277730	rs698708	0.052	0.018	0.052 (0.018, 0.087)	0.003	0.032	0.739	11
FVC	HIPK2	cg03369382	rs11769961	-0.065	0.022	-0.065 (-0.108, -0.022)	0.003	0.033	0.915	20

FVC	MPO	cg04266202	rs34523089	0.035	0.012	0.035 (0.012, 0.059)	0.003	0.034	0.195	20
FVC	HIP1	cg23657377	rs10230553	-0.038	0.013	-0.038 (-0.063, -0.013)	0.003	0.034	0.855	17
FVC	GALNS;TRAPPC2L	cg16688112	rs8047028	-0.040	0.013	-0.040 (-0.066, -0.014)	0.003	0.034	0.501	20
FVC	LYN	cg03973663	rs2719252	-0.029	0.010	-0.029 (-0.048, -0.010)	0.003	0.035	0.114	20
FVC	AP4E1	cg09951650	rs6493470	0.023	0.008	0.023 (0.008, 0.038)	0.003	0.035	0.030	20
FVC	HIP1	cg07928105	rs13223616	-0.044	0.015	-0.044 (-0.073, -0.015)	0.003	0.035	0.935	16
FVC	NEU1	cg27645345	rs116312062	0.068	0.023	0.068 (0.023, 0.113)	0.003	0.035	0.022	20
FVC	DCC	cg25818763	rs8083215	0.043	0.015	0.043 (0.014, 0.071)	0.003	0.037	0.737	20
FVC	PARP1	cg18590995	rs12143101	-0.024	0.008	-0.024 (-0.041, -0.008)	0.004	0.040	0.403	20
FVC	LGALS9	cg06852032	rs11080242	0.040	0.014	0.040 (0.013, 0.067)	0.004	0.040	0.059	20
FVC	LYN	cg05997362	rs2667971	-0.035	0.012	-0.035 (-0.058, -0.011)	0.004	0.040	0.141	20
FVC	ACSL1	cg01714284	rs7686479	-0.015	0.005	-0.015 (-0.025, -0.005)	0.004	0.040	0.538	20
FVC	MMP9	cg17664577	rs35567443	0.019	0.007	0.019 (0.006, 0.032)	0.004	0.040	0.462	20
FVC	NCK2	cg13704531	rs12476157	0.020	0.007	0.020 (0.007, 0.034)	0.004	0.040	0.128	20
FVC	USP36	cg23797032	rs3744801	0.055	0.019	0.055 (0.018, 0.091)	0.004	0.040	0.213	20
FVC	CS	cg26714650	rs2066808	-0.010	0.003	-0.010 (-0.016, -0.003)	0.004	0.040	0.597	20
FVC	LYN	cg17806401	rs17812677	-0.033	0.011	-0.033 (-0.055, -0.011)	0.004	0.041	0.092	20
FVC	CS	cg26734620	rs1274490	0.025	0.009	0.025 (0.008, 0.042)	0.004	0.041	0.264	20
FVC	MMP9	cg00182727	rs35567443	0.021	0.007	0.021 (0.007, 0.036)	0.004	0.041	0.310	20
FVC	MAP3K5	cg01792203	rs9389406	-0.047	0.016	-0.047 (-0.079, -0.015)	0.004	0.041	0.277	14
FVC	PPM1F	cg25898577	rs240067	0.022	0.008	0.022 (0.007, 0.037)	0.004	0.041	0.537	20
FVC	FZD5	cg19744498	rs35994626	0.010	0.003	0.010 (0.003, 0.017)	0.004	0.042	0.048	18
FVC	STBD1	cg17010112	rs56049812	0.016	0.006	0.016 (0.005, 0.027)	0.004	0.042	0.010	20
FVC	FZD5	cg19957162	rs35994626	0.011	0.004	0.011 (0.003, 0.018)	0.004	0.042	0.093	16
FVC	STBD1	cg06978288	rs13123108	0.017	0.006	0.017 (0.005, 0.028)	0.004	0.042	0.250	20
FVC	CYP1B1	cg07380506	rs10175338	0.007	0.003	0.007 (0.002, 0.012)	0.004	0.042	0.282	20
FVC	PML	cg18136895	rs145418511	-0.027	0.009	-0.027 (-0.046, -0.009)	0.004	0.042	0.733	20
FVC	SFRP1	cg00000321	rs72643819	-0.054	0.019	-0.054 (-0.091, -0.017)	0.004	0.043	0.555	10
FVC	AP4E1	cg02338191	rs10519289	0.031	0.011	0.031 (0.010, 0.052)	0.004	0.043	0.025	20
FVC	FZD5	cg15714846	rs74471859	0.020	0.007	0.020 (0.006, 0.034)	0.004	0.043	0.550	9
FVC	GATA4	cg01546563	rs61277615	-0.017	0.006	-0.017 (-0.028, -0.005)	0.004	0.044	0.055	20
FVC	YWHAB	cg10774185	rs7265519	-0.053	0.018	-0.053 (-0.089, -0.017)	0.004	0.044	0.222	8
FVC	BMP4	cg09367901	rs2855530	0.050	0.018	0.050 (0.016, 0.085)	0.004	0.045	0.098	20
FVC	SCOC	cg02182440	rs116730782	-0.050	0.018	-0.050 (-0.085, -0.016)	0.004	0.045	0.066	18
FVC	LGALS12	cg04075247	rs1404504	0.011	0.004	0.011 (0.003, 0.018)	0.004	0.046	0.668	20
FVC	LGALS12	cg19529273	rs1404504	-0.011	0.004	-0.011 (-0.019, -0.003)	0.004	0.046	0.709	20
FVC	INF2	cg02918593	rs7156096	-0.015	0.005	-0.015 (-0.026, -0.005)	0.004	0.046	0.120	20
FVC	PCGF2	cg02433498	rs68075021	0.030	0.011	0.030 (0.009, 0.051)	0.004	0.046	0.061	20
FVC	UBE4B	cg08737543	rs112585126	-0.017	0.006	-0.017 (-0.028, -0.005)	0.004	0.046	0.131	20
FVC	CS	cg24498746	rs2306694	-0.029	0.010	-0.029 (-0.049, -0.009)	0.004	0.046	0.453	20
FVC	FZD5	cg15262317	rs74471859	-0.022	0.008	-0.022 (-0.038, -0.007)	0.004	0.046	0.107	9
FVC	BCL2	cg23707289	rs1801018	0.017	0.006	0.017 (0.005, 0.029)	0.005	0.047	0.071	20

FVC	AP3B2	cg27279991	rs7163848	-0.035	0.012	-0.035 (-0.059, -0.011)	0.005	0.047	0.609	20
FVC	STK24	cg01536299	rs56294784	0.056	0.020	0.056 (0.017, 0.094)	0.005	0.048	0.664	20
FVC	GNAI2	cg17641710	rs41291724	0.035	0.012	0.035 (0.011, 0.060)	0.005	0.048	0.045	20
FVC	PARP1	cg17127702	rs76887998	-0.008	0.003	-0.008 (-0.014, -0.002)	0.005	0.050	0.248	20
FVC	DDX5	cg08350119	rs112616321	-0.025	0.009	-0.025 (-0.043, -0.008)	0.005	0.050	0.098	7
FVC	HRAS	cg06143971	rs45558638	0.013	0.005	0.013 (0.004, 0.022)	0.005	0.050	0.140	20
FVC	SNCA	cg18258770	rs2619371	0.060	0.021	0.060 (0.018, 0.102)	0.005	0.050	0.545	17
FVC	GALNS	cg02669544	rs112609821	-0.023	0.008	-0.023 (-0.038, -0.007)	0.005	0.050	0.031	20
FVC	AP3B2	cg20592391	rs7163848	0.038	0.014	0.038 (0.011, 0.065)	0.005	0.050	0.090	20
FVC	NCK2	cg26377276	rs17208218	-0.051	0.018	-0.051 (-0.087, -0.015)	0.005	0.051	0.256	20
FVC	KIF25	cg10146514	rs2636362	-0.032	0.011	-0.032 (-0.054, -0.009)	0.005	0.051	0.099	20
FVC	ERBB3	cg00907267	rs2292239	0.040	0.014	0.040 (0.012, 0.067)	0.005	0.051	0.170	18
FVC	ERBB3	cg17843101	rs7971751	-0.034	0.012	-0.034 (-0.059, -0.010)	0.005	0.051	0.209	20
FVC	P2RX4	cg20966272	rs3815990	0.025	0.009	0.025 (0.007, 0.042)	0.005	0.052	0.021	20
FVC	ATF6	cg09175582	rs2298019	-0.018	0.007	-0.018 (-0.031, -0.005)	0.005	0.052	0.242	20
FVC	ATG7	cg12120750	rs6779007	0.032	0.012	0.032 (0.010, 0.055)	0.005	0.052	0.782	20
FVC	BCL2L14	cg18223430	rs1990699	-0.011	0.004	-0.011 (-0.018, -0.003)	0.005	0.052	0.105	20
FVC	SFRP1	cg14904908	rs1562420	-0.029	0.010	-0.029 (-0.049, -0.009)	0.005	0.052	0.628	20
FVC	FZD5	cg05774672	rs35994626	0.022	0.008	0.022 (0.006, 0.037)	0.005	0.052	0.484	10
FVC	UNC13D	cg16354117	rs11870883	0.018	0.006	0.018 (0.005, 0.030)	0.005	0.053	0.153	20
FVC	STK24	cg24701178	rs4491365	-0.030	0.011	-0.030 (-0.052, -0.009)	0.006	0.053	0.365	20
FVC	GSDMB	cg16822095	rs35336365	-0.042	0.015	-0.042 (-0.071, -0.012)	0.006	0.054	0.027	14
FVC	NCK2	cg03181966	rs12476157	-0.038	0.014	-0.038 (-0.066, -0.011)	0.006	0.054	0.177	20
FVC	USP47	cg20781421	rs7108586	0.034	0.012	0.034 (0.010, 0.058)	0.006	0.054	0.191	20
FVC	BCL2L14	cg24921858	rs1990699	-0.018	0.007	-0.018 (-0.031, -0.005)	0.006	0.055	0.641	20
FVC	CAPZB	cg13319175	rs6683394	-0.049	0.018	-0.049 (-0.084, -0.014)	0.006	0.055	0.865	20
FVC	PPM1F	cg27653384	rs240067	-0.039	0.014	-0.039 (-0.066, -0.011)	0.006	0.055	0.327	20
FVC	CDH1	cg08616585	rs8059194	0.035	0.013	0.035 (0.010, 0.059)	0.006	0.055	0.960	20
FVC	AP3B2	cg21669441	rs7163848	-0.043	0.016	-0.043 (-0.074, -0.012)	0.006	0.055	0.017	20
FVC	LYN	cg21301224	rs17812677	-0.046	0.017	-0.046 (-0.078, -0.013)	0.006	0.056	0.129	20
FVC	GNS	cg27476482	rs2620719	0.037	0.014	0.037 (0.011, 0.064)	0.006	0.057	0.554	14
FVC	INF2	cg23343291	rs34055148	-0.013	0.005	-0.013 (-0.022, -0.004)	0.006	0.058	0.077	20
FVC	GNPTAB	cg17214456	rs61938211	-0.013	0.005	-0.013 (-0.022, -0.004)	0.006	0.058	0.041	20
FVC	SFRP1	cg01074584	rs921142	-0.045	0.017	-0.045 (-0.078, -0.013)	0.006	0.058	0.301	9
FVC	CYP1B1	cg11751707	rs2567207	-0.041	0.015	-0.041 (-0.071, -0.012)	0.006	0.058	0.105	20
FVC	GSDMA	cg19422138	rs8065244	0.041	0.015	0.041 (0.012, 0.070)	0.006	0.058	0.495	20
FVC	AP1M2	cg14985481	rs4804509	0.028	0.010	0.028 (0.008, 0.048)	0.006	0.058	0.351	20
FVC	FTH1	cg01209023	rs195445	-0.023	0.008	-0.023 (-0.040, -0.006)	0.006	0.059	0.265	20
FVC	UNC5B	cg04269057	rs827276	-0.049	0.018	-0.049 (-0.084, -0.014)	0.006	0.059	0.613	20
FVC	CDKN2D	cg04833646	rs12978228	-0.008	0.003	-0.008 (-0.014, -0.002)	0.006	0.059	0.235	20
FVC	YWHAE	cg23643343	rs28365859	-0.029	0.011	-0.029 (-0.050, -0.008)	0.006	0.059	0.024	20
FVC	ACP2	cg20969221	rs1051006	0.054	0.020	0.054 (0.015, 0.092)	0.006	0.059	0.112	20

FVC	EYA4	cg18714224	rs2145351	0.014	0.005	0.014 (0.004, 0.023)	0.006	0.059	0.034	20
FVC	FTH1	cg02315732	rs195445	-0.024	0.009	-0.024 (-0.041, -0.007)	0.006	0.059	0.708	20
FVC	HRAS;LRRC56	cg22174486	rs4963175	-0.019	0.007	-0.019 (-0.033, -0.005)	0.007	0.061	0.281	20
FVC	GDNF	cg07309340	rs2910704	0.053	0.020	0.053 (0.015, 0.092)	0.007	0.061	0.040	20
FVC	SLC39A14	cg23563866	rs6994140	0.031	0.011	0.031 (0.009, 0.054)	0.007	0.061	0.199	20
FVC	CTSA	cg03206537	rs3746506	-0.048	0.018	-0.048 (-0.082, -0.013)	0.007	0.061	0.238	20
FVC	PPP3R1	cg19015708	rs6750215	-0.017	0.006	-0.017 (-0.029, -0.005)	0.007	0.062	0.353	15
FVC	INF2	cg23998240	rs4334222	-0.019	0.007	-0.019 (-0.033, -0.005)	0.007	0.062	0.095	20
FVC	DCC	cg21623566	rs17747515	-0.050	0.018	-0.050 (-0.086, -0.013)	0.007	0.064	0.025	16
FVC	HIP1	cg27531731	rs10261914	-0.032	0.012	-0.032 (-0.055, -0.009)	0.007	0.064	0.565	17
FVC	IL6R	cg15633035	rs41304552	-0.038	0.014	-0.038 (-0.065, -0.010)	0.007	0.064	0.726	20
FVC	SLC17A5	cg07554703	rs11758258	-0.012	0.005	-0.012 (-0.021, -0.003)	0.007	0.065	0.052	20
FVC	PPM1F	cg10081899	rs12167687	-0.031	0.012	-0.031 (-0.054, -0.008)	0.007	0.065	0.761	20
FVC	FASTK;TMUB1	cg18068487	rs9097	0.047	0.018	0.047 (0.013, 0.082)	0.007	0.065	0.225	19
FVC	DCC	cg00399483	rs7242705	-0.014	0.005	-0.014 (-0.024, -0.004)	0.007	0.065	0.114	20
FVC	MADD	cg17580616	rs753993	-0.015	0.006	-0.015 (-0.026, -0.004)	0.007	0.065	0.154	20
FVC	GALNS;TRAPPC2L	cg00073650	rs9889048	-0.020	0.007	-0.020 (-0.035, -0.005)	0.007	0.065	0.182	20
FVC	DEF8	cg04591799	rs78260644	-0.023	0.009	-0.023 (-0.040, -0.006)	0.007	0.066	0.572	20
FVC	AP1M2	cg26999505	rs12978228	0.021	0.008	0.021 (0.006, 0.036)	0.007	0.066	0.246	20
FVC	ARRB2	cg13466002	rs4522461	-0.016	0.006	-0.016 (-0.027, -0.004)	0.008	0.066	0.428	20
FVC	ERCC4	cg24091698	rs3136085	0.037	0.014	0.037 (0.010, 0.065)	0.008	0.067	0.999	20
FVC	EIF2AK4	cg02712587	rs77645462	-0.029	0.011	-0.029 (-0.050, -0.008)	0.008	0.067	0.447	20
FVC	ARRB2	cg19197139	rs34230287	0.008	0.003	0.008 (0.002, 0.014)	0.008	0.068	0.358	20
FVC	MIR210	cg08200293	rs12280851	0.020	0.008	0.020 (0.005, 0.035)	0.008	0.069	0.433	20
FVC	ARRB2	cg00122941	rs34230287	0.010	0.004	0.010 (0.003, 0.017)	0.008	0.069	0.384	20
FVC	SLC17A5	cg04408379	rs4706550	-0.008	0.003	-0.008 (-0.015, -0.002)	0.008	0.069	0.079	20
FVC	SFRP1	cg03133371	rs1562420	-0.043	0.016	-0.043 (-0.074, -0.011)	0.008	0.070	0.684	9
FVC	UNC13D	cg22467534	rs56000661	-0.055	0.021	-0.055 (-0.096, -0.014)	0.008	0.070	0.280	20
FVC	SQSTM1;MGAT4B	cg06589507	rs4504352	-0.051	0.019	-0.051 (-0.089, -0.013)	0.008	0.070	0.617	14
FVC	BCL2	cg12459502	rs6567331	-0.043	0.016	-0.043 (-0.075, -0.011)	0.008	0.070	0.350	14
FVC	MADD	cg19501536	rs10838687	-0.016	0.006	-0.016 (-0.027, -0.004)	0.008	0.070	0.059	20
FVC	DCC	cg20917891	rs7242705	-0.022	0.008	-0.022 (-0.038, -0.006)	0.008	0.070	0.064	20
FVC	STBD1	cg19406117	rs4272041	0.054	0.020	0.054 (0.014, 0.094)	0.008	0.071	0.150	20
FVC	HSP90AA1	cg23904247	rs1059629	0.039	0.015	0.039 (0.010, 0.068)	0.008	0.071	0.346	20
FVC	CAPZB	cg00968167	rs60780644	-0.041	0.015	-0.041 (-0.071, -0.010)	0.008	0.071	0.048	20
FVC	BNIP3	cg21762589	rs3737058	0.038	0.014	0.038 (0.010, 0.066)	0.008	0.071	0.393	17
FVC	DIDO1	cg15815827	rs6010789	-0.016	0.006	-0.016 (-0.027, -0.004)	0.008	0.071	0.154	20
FVC	RHEB	cg03323794	rs2074997	-0.041	0.015	-0.041 (-0.071, -0.010)	0.008	0.071	0.021	12
FVC	SLC17A5	cg11742202	rs4706550	0.015	0.006	0.015 (0.004, 0.026)	0.008	0.072	0.205	20
FVC	AKT1	cg26023960	rs71421880	0.013	0.005	0.013 (0.003, 0.022)	0.009	0.073	0.176	20
FVC	PPP1R13B	cg11829633	rs1155751	-0.006	0.002	-0.006 (-0.010, -0.001)	0.009	0.073	0.813	20
FVC	GCC2	cg02082929	rs10184417	-0.006	0.002	-0.006 (-0.010, -0.001)	0.009	0.073	0.153	20

FVC	NCK2	cg09152813	rs6726571	-0.006	0.002	-0.006 (-0.010, -0.001)	0.009	0.073	0.071	20
FVC	ATP6V0D1	cg04726373	rs112287758	0.033	0.013	0.033 (0.008, 0.059)	0.009	0.073	0.166	20
FVC	ZBTB22;DAXX	cg10585379	rs3130256	-0.042	0.016	-0.042 (-0.073, -0.011)	0.009	0.073	0.072	18
FVC	DCC	cg18841634	rs7242705	0.026	0.010	0.026 (0.006, 0.045)	0.009	0.073	0.126	20
FVC	CASP8AP2	cg13799429	rs72921948	0.006	0.002	0.006 (0.002, 0.011)	0.009	0.074	0.723	20
FVC	SLC17A5	cg03026689	rs3799290	-0.008	0.003	-0.008 (-0.014, -0.002)	0.009	0.075	0.071	20
FVC	CAPN1	cg09620688	rs11605576	-0.025	0.009	-0.025 (-0.043, -0.006)	0.009	0.075	0.050	20
FVC	SLC39A14	cg23882724	rs4871996	0.049	0.019	0.049 (0.012, 0.085)	0.009	0.075	0.010	20
FVC	SFRP1	cg10406295	rs1159162	-0.050	0.019	-0.050 (-0.088, -0.012)	0.009	0.076	0.803	8
FVC	SLC17A5	cg13599248	rs3799290	0.013	0.005	0.013 (0.003, 0.023)	0.009	0.077	0.231	20
FVC	CAPZB	cg17081867	rs55967673	-0.026	0.010	-0.026 (-0.046, -0.006)	0.009	0.077	0.090	20
FVC	SGMS1	cg13576994	rs10826126	-0.053	0.021	-0.053 (-0.093, -0.013)	0.010	0.077	0.133	20
FVC	MAZ	cg27338089	rs1057452	-0.037	0.014	-0.037 (-0.064, -0.009)	0.010	0.077	0.198	20
FVC	AP3B2	cg25584930	rs28582623	0.033	0.013	0.033 (0.008, 0.058)	0.009	0.077	0.024	20
FVC	STK24	cg22619767	rs4772081	0.032	0.012	0.032 (0.008, 0.056)	0.009	0.077	0.197	19
FVC	MET	cg24627299	rs437	0.027	0.011	0.027 (0.007, 0.048)	0.010	0.077	0.036	14
FVC	VGLL4;ATG7	cg02131130	rs2606741	-0.028	0.011	-0.028 (-0.049, -0.007)	0.009	0.077	0.997	20
FVC	GLS	cg21497043	rs11894425	0.024	0.009	0.024 (0.006, 0.043)	0.009	0.077	0.291	20
FVC	ARRB2	cg02286380	rs28365158	-0.007	0.003	-0.007 (-0.012, -0.002)	0.010	0.078	0.583	20
FVC	SNORD71;AP1G1	cg05708656	rs8052489	-0.051	0.020	-0.051 (-0.090, -0.012)	0.010	0.078	0.162	20
FVC	ARRB2	cg07971820	rs28365158	-0.009	0.003	-0.009 (-0.015, -0.002)	0.010	0.078	0.622	20
FVC	MADD	cg25783544	rs10769252	0.022	0.008	0.022 (0.005, 0.038)	0.010	0.079	0.115	20
FVC	MEFV	cg08781710	rs224215	0.033	0.013	0.033 (0.008, 0.057)	0.010	0.079	0.025	10
FVC	LEP	cg00840332	rs12535708	0.032	0.012	0.032 (0.008, 0.056)	0.010	0.079	0.378	18
FVC	ACSL1	cg07942479	rs6857505	0.016	0.006	0.016 (0.004, 0.029)	0.010	0.079	0.543	20
FVC	SLC38A9	cg07262873	rs13155659	0.040	0.016	0.040 (0.010, 0.071)	0.010	0.079	0.151	20
FVC	PPP1R13B	cg08213375	rs4900600	0.009	0.003	0.009 (0.002, 0.015)	0.010	0.080	0.784	20
FVC	RHEB	cg02506984	rs4726029	-0.034	0.013	-0.034 (-0.060, -0.008)	0.010	0.081	0.040	20
FVC	SPTLC1	cg01248375	rs28727560	0.018	0.007	0.018 (0.004, 0.031)	0.010	0.081	0.023	20
FVC	CDH1	cg24765079	rs11075695	-0.011	0.004	-0.011 (-0.020, -0.003)	0.010	0.081	0.771	20
FVC	CAPZB	cg23519022	rs41264091	0.031	0.012	0.031 (0.007, 0.054)	0.010	0.082	0.252	20
FVC	USP47	cg20728419	rs768807	0.051	0.020	0.051 (0.012, 0.090)	0.010	0.082	0.096	18
FVC	LEP	cg00666422	rs12535708	0.034	0.013	0.034 (0.008, 0.061)	0.010	0.082	0.468	20
FVC	TRIM8	cg22532475	rs4323806	-0.007	0.003	-0.007 (-0.012, -0.002)	0.011	0.083	0.257	20
FVC	COL2A1	cg12235144	rs6580649	-0.034	0.013	-0.034 (-0.061, -0.008)	0.011	0.083	0.414	20
FVC	NKX3-1	cg21428681	rs13274008	0.023	0.009	0.023 (0.005, 0.041)	0.011	0.083	0.226	11
FVC	NLRC4	cg22713339	rs138116467	0.015	0.006	0.015 (0.004, 0.027)	0.011	0.083	0.868	17
FVC	ARRB2	cg16472369	rs7210953	-0.019	0.008	-0.019 (-0.034, -0.004)	0.011	0.085	0.970	20
FVC	IL10	cg17067005	rs1800871	-0.033	0.013	-0.033 (-0.059, -0.008)	0.011	0.085	0.520	12
FVC	TRAPPC2L;GALNS	cg13074209	rs28507584	-0.021	0.008	-0.021 (-0.038, -0.005)	0.011	0.086	0.107	20
FVC	GATA4	cg18283386	rs34888744	-0.033	0.013	-0.033 (-0.058, -0.007)	0.011	0.086	0.096	20
FVC	CDH1	cg01251360	rs12926010	-0.009	0.004	-0.009 (-0.016, -0.002)	0.011	0.087	0.644	20

FVC	BNIP3	cg23606392	rs3737058	0.049	0.019	0.049 (0.011, 0.087)	0.011	0.087	0.899	6
FVC	CYP1B1	cg03890222	rs10201389	0.048	0.019	0.048 (0.011, 0.084)	0.011	0.087	0.717	11
FVC	BCL2L14	cg20481287	rs4763774	-0.009	0.003	-0.009 (-0.015, -0.002)	0.011	0.087	0.290	20
FVC	CYP1B1	cg07057636	rs4646429	-0.047	0.019	-0.047 (-0.084, -0.011)	0.011	0.088	0.213	19
FVC	ATG5	cg09492693	rs2787552	0.034	0.013	0.034 (0.008, 0.060)	0.012	0.088	0.388	17
FVC	SNAI1	cg22815953	rs6095726	0.034	0.014	0.034 (0.008, 0.061)	0.012	0.088	0.391	20
FVC	SLC39A13	cg23312964	rs2084946	0.049	0.020	0.049 (0.011, 0.088)	0.012	0.089	0.650	20
FVC	UNC13D	cg14715778	rs2410859	0.028	0.011	0.028 (0.006, 0.050)	0.012	0.089	0.353	20
FVC	UNC13D	cg23891399	rs7210574	-0.006	0.003	-0.006 (-0.011, -0.001)	0.012	0.090	0.046	20
FVC	UNC13D	cg07010633	rs7210574	-0.007	0.003	-0.007 (-0.012, -0.001)	0.012	0.090	0.049	20
FVC	UNC13D	cg12407791	rs7210574	-0.006	0.002	-0.006 (-0.011, -0.001)	0.012	0.090	0.046	20
FVC	UNC13D	cg23470227	rs7210574	-0.007	0.003	-0.007 (-0.013, -0.002)	0.012	0.090	0.044	20
FVC	UNC13D	cg02627403	rs7210574	-0.008	0.003	-0.008 (-0.014, -0.002)	0.012	0.090	0.035	20
FVC	ATG7	cg03589820	rs59137166	-0.048	0.019	-0.048 (-0.085, -0.011)	0.012	0.090	0.334	20
FVC	STK24	cg03701759	rs7317938	-0.020	0.008	-0.020 (-0.036, -0.004)	0.012	0.090	0.229	20
FVC	SNAI1	cg23100428	rs6020170	-0.040	0.016	-0.040 (-0.071, -0.009)	0.012	0.090	0.164	18
FVC	UNC13D	cg02880508	rs7210574	-0.010	0.004	-0.010 (-0.018, -0.002)	0.012	0.091	0.039	20
FVC	RBCK1	cg13812132	rs6139114	-0.025	0.010	-0.025 (-0.045, -0.006)	0.012	0.092	0.596	20
FVC	BMP4	cg20297199	rs12895262	0.054	0.021	0.054 (0.012, 0.096)	0.012	0.092	0.798	17
FVC	UNC13D	cg15177359	rs3744021	0.049	0.019	0.049 (0.011, 0.087)	0.012	0.092	0.821	20
FVC	SYNPO2	cg12973294	rs78448537	-0.012	0.005	-0.012 (-0.021, -0.003)	0.012	0.092	0.328	20
FVC	SYNPO2	cg14717666	rs58527730	-0.009	0.003	-0.009 (-0.016, -0.002)	0.012	0.092	0.525	20
FVC	BIRC2	cg06323957	rs11605573	0.012	0.005	0.012 (0.003, 0.022)	0.013	0.093	0.571	20
FVC	PIP4K2A	cg06690686	rs6482231	-0.022	0.009	-0.022 (-0.039, -0.005)	0.013	0.094	0.038	5
FVC	PCGF2	cg18896448	rs34727469	0.033	0.013	0.033 (0.007, 0.059)	0.013	0.095	0.134	20
FVC	CAPN1	cg05033401	rs11605576	-0.041	0.017	-0.041 (-0.074, -0.009)	0.013	0.095	0.279	20
FVC	BCL2L14	cg01934781	rs2287153	-0.021	0.009	-0.021 (-0.038, -0.005)	0.013	0.095	0.590	20
FVC	AHRR;PDCD6	cg17310215	rs13155531	-0.023	0.009	-0.023 (-0.042, -0.005)	0.013	0.096	0.272	20
FVC	BRSK2	cg21782309	rs78210548	0.009	0.004	0.009 (0.002, 0.016)	0.013	0.096	0.615	20
FVC	SIVA1	cg10285897	rs12881199	0.036	0.014	0.036 (0.007, 0.064)	0.013	0.096	0.132	20
FVC	UNC13D	cg17075258	rs7210574	-0.019	0.008	-0.019 (-0.033, -0.004)	0.013	0.096	0.035	20
FVC	TGFBR1	cg13608979	rs367568	0.019	0.008	0.019 (0.004, 0.033)	0.013	0.096	0.015	15
FVC	BIRC2	cg11690896	rs79028911	0.018	0.007	0.018 (0.004, 0.032)	0.013	0.096	0.675	20
FVC	MAP3K5	cg24999105	rs932589	-0.013	0.005	-0.013 (-0.024, -0.003)	0.013	0.096	0.374	20
FVC	ALOX15	cg05715138	rs34230287	0.039	0.016	0.039 (0.008, 0.070)	0.013	0.097	0.704	18
FVC	FBXL2	cg00456685	rs4678534	0.006	0.003	0.006 (0.001, 0.011)	0.013	0.097	0.048	20
FVC	INF2	cg03573445	rs4983529	-0.032	0.013	-0.032 (-0.058, -0.007)	0.014	0.098	0.106	20
FVC	DEF8	cg03987653	rs4365288	-0.014	0.006	-0.014 (-0.026, -0.003)	0.014	0.099	0.803	20
FVC	HIF1A	cg04509825	rs10129270	0.029	0.012	0.029 (0.006, 0.052)	0.014	0.101	0.117	20
FVC	TRAPPC2L;GALNS	cg07364608	rs143200032	-0.030	0.012	-0.030 (-0.054, -0.006)	0.014	0.101	0.139	20
FVC	AP3B2	cg18253757	rs4513065	0.046	0.019	0.046 (0.009, 0.084)	0.014	0.101	0.248	20
FVC	TFDP1	cg07276358	rs2260766	-0.033	0.014	-0.033 (-0.060, -0.007)	0.014	0.103	0.539	20

FVC	TFDP1	cg07804973	rs2260766	-0.034	0.014	-0.034 (-0.061, -0.007)	0.015	0.103	0.890	20
FVC	BCL2L14	cg27366072	rs2287153	-0.029	0.012	-0.029 (-0.053, -0.006)	0.015	0.104	0.727	20
FVC	SLC39A11	cg15391883	rs12945690	0.015	0.006	0.015 (0.003, 0.027)	0.015	0.105	0.882	20
FVC	INF2	cg17984022	rs12147788	-0.009	0.004	-0.009 (-0.016, -0.002)	0.015	0.105	0.353	20
FVC	BCL2L14	cg01175610	rs2287153	-0.030	0.012	-0.030 (-0.053, -0.006)	0.015	0.105	0.592	20
FVC	STK24	cg03461548	rs35368417	0.050	0.021	0.050 (0.010, 0.091)	0.015	0.105	0.442	20
FVC	PIK3R1	cg24797508	rs67913607	-0.039	0.016	-0.039 (-0.071, -0.008)	0.015	0.105	0.410	15
FVC	SLC40A1	cg15599483	rs12693542	-0.032	0.013	-0.032 (-0.057, -0.006)	0.015	0.105	0.676	20
FVC	LEP	cg26814075	rs12535708	0.048	0.020	0.048 (0.009, 0.086)	0.015	0.105	0.410	10
FVC	WAC	cg24792245	rs2998286	0.018	0.007	0.018 (0.003, 0.032)	0.015	0.106	0.178	20
FVC	SLC40A1	cg14499385	rs3811621	-0.013	0.005	-0.013 (-0.023, -0.002)	0.015	0.106	0.973	20
FVC	FASTK;TMUB1	cg10702041	rs2303942	-0.027	0.011	-0.027 (-0.048, -0.005)	0.015	0.108	0.052	20
FVC	UNC5B	cg23622162	rs13419	-0.006	0.003	-0.006 (-0.012, -0.001)	0.016	0.108	0.495	20
FVC	POU4F1	cg25682299	rs12869663	-0.046	0.019	-0.046 (-0.083, -0.009)	0.016	0.108	0.921	13
FVC	AP1M2	cg11657665	rs35769432	-0.013	0.005	-0.013 (-0.023, -0.002)	0.016	0.109	0.054	20
FVC	CAPNS1	cg18304093	rs16970932	0.043	0.018	0.043 (0.008, 0.078)	0.016	0.109	0.095	14
FVC	SHARPIN	cg15230435	rs12543080	-0.041	0.017	-0.041 (-0.074, -0.008)	0.016	0.109	0.962	14
FVC	USP10	cg07647771	rs16974535	0.006	0.002	0.006 (0.001, 0.010)	0.016	0.109	0.862	20
FVC	RASIP1	cg15673069	rs439523	-0.014	0.006	-0.014 (-0.026, -0.003)	0.016	0.109	0.796	20
FVC	CDH1	cg09406989	rs7203337	-0.009	0.004	-0.009 (-0.017, -0.002)	0.016	0.110	0.501	20
FVC	HSPA1B	cg13911590	rs12524467	0.045	0.019	0.045 (0.008, 0.082)	0.016	0.110	0.748	4
FVC	PIK3R1	cg09101894	rs67913607	-0.044	0.018	-0.044 (-0.079, -0.008)	0.016	0.111	0.524	17
FVC	SLC38A9	cg07042489	rs4101421	0.038	0.016	0.038 (0.007, 0.069)	0.016	0.111	0.420	20
FVC	DCC	cg18866015	rs9966338	-0.019	0.008	-0.019 (-0.034, -0.003)	0.016	0.112	0.388	20
FVC	P2RX7	cg10901569	rs2686369	-0.017	0.007	-0.017 (-0.030, -0.003)	0.016	0.112	0.674	20
FVC	GSDMD	cg03367493	rs12679598	-0.010	0.004	-0.010 (-0.019, -0.002)	0.017	0.113	0.631	20
FVC	SQSTM1	cg06861426	rs35647750	0.033	0.014	0.033 (0.006, 0.060)	0.017	0.113	0.238	20
FVC	ENO1	cg20971527	rs11121246	0.019	0.008	0.019 (0.003, 0.035)	0.017	0.114	0.615	20
FVC	INF2	cg13590876	rs4983529	-0.042	0.018	-0.042 (-0.077, -0.008)	0.017	0.114	0.322	20
FVC	ENO1	cg10313368	rs10864368	0.007	0.003	0.007 (0.001, 0.012)	0.017	0.114	0.374	20
FVC	SLC39A13	cg19668951	rs6485756	0.039	0.016	0.039 (0.007, 0.071)	0.017	0.114	0.151	20
FVC	MYH14	cg00919509	rs7249871	-0.030	0.013	-0.030 (-0.055, -0.005)	0.017	0.115	0.661	8
FVC	GSDMA	cg08995595	rs12603481	0.028	0.012	0.028 (0.005, 0.052)	0.017	0.115	0.342	20
FVC	ERN1	cg17463083	rs196952	0.034	0.014	0.034 (0.006, 0.062)	0.017	0.115	0.909	11
FVC	CX3CL1	cg15195412	rs11644148	0.032	0.014	0.032 (0.006, 0.059)	0.017	0.117	0.025	20
FVC	PLEKHM2	cg23112360	rs35757484	0.015	0.006	0.015 (0.003, 0.028)	0.018	0.118	0.779	20
FVC	RPTOR	cg01432609	rs62068339	0.041	0.017	0.041 (0.007, 0.075)	0.018	0.118	0.738	20
FVC	ENO1	cg18273817	rs10864368	0.014	0.006	0.014 (0.002, 0.025)	0.018	0.119	0.442	20
FVC	DAPK1	cg13752933	rs3758308	-0.035	0.015	-0.035 (-0.064, -0.006)	0.018	0.119	0.378	20
FVC	INF2	cg18996808	rs12147788	0.028	0.012	0.028 (0.005, 0.051)	0.018	0.120	0.337	20
FVC	CBS	cg03137177	rs11911976	-0.045	0.019	-0.045 (-0.083, -0.008)	0.018	0.120	0.461	20
FVC	COL2A1	cg05342945	rs6580647	0.026	0.011	0.026 (0.004, 0.047)	0.018	0.120	0.195	20

FVC	FOXK2	cg16755922	rs878820	0.013	0.006	0.013 (0.002, 0.025)	0.018	0.121	0.154	20
FVC	CLEC16A	cg06150195	rs11641320	0.022	0.009	0.022 (0.004, 0.039)	0.018	0.121	0.762	20
FVC	RPTOR	cg19857461	rs62068270	-0.023	0.010	-0.023 (-0.042, -0.004)	0.018	0.121	0.938	20
FVC	CLEC16A	cg04616529	rs7204099	-0.014	0.006	-0.014 (-0.026, -0.002)	0.019	0.122	0.033	20
FVC	CD164	cg12940558	rs151316962	-0.018	0.008	-0.018 (-0.033, -0.003)	0.019	0.122	0.062	15
FVC	RPTOR	cg03513049	rs58691767	-0.009	0.004	-0.009 (-0.016, -0.001)	0.019	0.123	0.901	20
FVC	ENO1	cg06972019	rs11590606	0.005	0.002	0.005 (0.001, 0.009)	0.019	0.123	0.437	20
FVC	FOXK2	cg05331763	rs11652476	-0.005	0.002	-0.005 (-0.009, -0.001)	0.019	0.124	0.520	20
FVC	TFDP1	cg16637188	rs4076410	-0.035	0.015	-0.035 (-0.064, -0.006)	0.019	0.125	0.967	20
FVC	ENO1	cg10443148	rs11590606	0.009	0.004	0.009 (0.001, 0.016)	0.019	0.125	0.380	20
FVC	ERN1	cg12258847	rs196933	0.040	0.017	0.040 (0.006, 0.073)	0.020	0.127	0.650	9
FVC	ENO1	cg02088347	rs2038903	0.036	0.015	0.036 (0.006, 0.066)	0.020	0.128	0.229	20
FVC	TGFBR1	cg13827209	rs7042852	-0.027	0.012	-0.027 (-0.050, -0.004)	0.020	0.128	0.347	11
FVC	P2RX7	cg22867729	rs11065472	-0.040	0.017	-0.040 (-0.073, -0.006)	0.020	0.129	0.539	16
FVC	PIP4K2B	cg20303331	rs72625934	0.015	0.006	0.015 (0.002, 0.027)	0.020	0.129	0.130	20
FVC	PIK3CD	cg23098018	rs76822479	-0.044	0.019	-0.044 (-0.080, -0.007)	0.020	0.130	0.084	9
FVC	SHARPIN;MAF1	cg22861185	rs1127096	0.036	0.015	0.036 (0.006, 0.066)	0.020	0.130	0.415	14
FVC	CDH1	cg16739895	rs12926010	-0.046	0.020	-0.046 (-0.084, -0.007)	0.020	0.130	0.528	20
FVC	MAP3K5	cg02673417	rs932589	-0.038	0.016	-0.038 (-0.070, -0.006)	0.020	0.131	0.602	20
FVC	ATF3	cg05036120	rs3123534	-0.042	0.018	-0.042 (-0.078, -0.007)	0.021	0.132	0.998	10
FVC	NCK2	cg14210321	rs35677272	-0.009	0.004	-0.009 (-0.016, -0.001)	0.021	0.132	0.174	20
FVC	RPTOR	cg10281768	rs10468603	-0.014	0.006	-0.014 (-0.025, -0.002)	0.021	0.132	0.313	20
FVC	CAPN1	cg16697977	rs2271448	-0.026	0.011	-0.026 (-0.048, -0.004)	0.021	0.132	0.018	20
FVC	ATG5	cg04389950	rs11961415	-0.042	0.018	-0.042 (-0.078, -0.006)	0.021	0.132	0.545	11
FVC	PRKAA1	cg13345558	rs837101	-0.027	0.012	-0.027 (-0.050, -0.004)	0.021	0.132	0.446	20
FVC	PLEKHM2	cg06178322	rs71631739	0.041	0.018	0.041 (0.006, 0.076)	0.021	0.133	0.737	13
FVC	WWOX	cg27109907	rs7205541	0.032	0.014	0.032 (0.005, 0.058)	0.021	0.134	0.023	13
FVC	ERN1	cg11099375	rs196907	-0.033	0.014	-0.033 (-0.061, -0.005)	0.021	0.134	0.732	9
FVC	COL2A1	cg18990042	rs3803183	0.027	0.012	0.027 (0.004, 0.050)	0.022	0.137	0.095	20
FVC	EIF2AK4	cg06753055	rs74701095	0.007	0.003	0.007 (0.001, 0.013)	0.022	0.138	0.222	20
FVC	TP73	cg25352980	rs3765770	-0.026	0.011	-0.026 (-0.048, -0.004)	0.022	0.138	0.946	10
FVC	GZMB	cg16212145	rs7144366	-0.020	0.009	-0.020 (-0.037, -0.003)	0.022	0.138	0.587	20
FVC	ARSB	cg01026730	rs163216	-0.007	0.003	-0.007 (-0.013, -0.001)	0.022	0.138	0.227	20
FVC	FBXL2	cg19241168	rs111827781	-0.024	0.011	-0.024 (-0.045, -0.003)	0.022	0.139	0.189	12
FVC	RPTOR	cg05337636	rs10468603	-0.021	0.009	-0.021 (-0.039, -0.003)	0.022	0.139	0.035	20
FVC	ATP2A3	cg09013975	rs7213688	0.037	0.016	0.037 (0.005, 0.069)	0.022	0.139	0.014	20
FVC	AP1M1	cg00754063	rs388652	0.021	0.009	0.021 (0.003, 0.039)	0.022	0.139	0.193	20
FVC	PTGDR	cg27131955	rs34968651	0.018	0.008	0.018 (0.003, 0.034)	0.023	0.140	0.797	20
FVC	GSDMD	cg20583945	rs113959366	0.005	0.002	0.005 (0.001, 0.009)	0.023	0.140	0.442	20
FVC	TCF7L2	cg03384318	rs1473184	0.041	0.018	0.041 (0.006, 0.077)	0.023	0.140	0.566	4
FVC	GSDMD	cg09317036	rs113959366	0.007	0.003	0.007 (0.001, 0.013)	0.023	0.141	0.569	20
FVC	CDH1	cg20716119	rs12923775	-0.023	0.010	-0.023 (-0.042, -0.003)	0.023	0.141	0.670	20

FVC	GSDMD	cg22995724	rs113959366	-0.008	0.003	-0.008 (-0.015, -0.001)	0.023	0.141	0.543	20
FVC	SLC11A2	cg22789605	rs829022	-0.014	0.006	-0.014 (-0.026, -0.002)	0.023	0.141	0.647	20
FVC	GSDMD	cg06553843	rs2242093	-0.010	0.005	-0.010 (-0.019, -0.001)	0.023	0.142	0.680	20
FVC	CDH1	cg01857829	rs4783676	-0.024	0.011	-0.024 (-0.046, -0.003)	0.023	0.142	0.380	20
FVC	RASIP1	cg01388301	rs412712	-0.015	0.007	-0.015 (-0.028, -0.002)	0.023	0.142	0.282	20
FVC	TIRAP	cg15932284	rs672908	0.022	0.010	0.022 (0.003, 0.042)	0.023	0.143	0.016	20
FVC	PIK3R1	cg26878542	rs56352616	0.020	0.009	0.020 (0.003, 0.037)	0.024	0.145	0.325	20
FVC	ENTPD4	cg09238382	rs10108137	-0.008	0.004	-0.008 (-0.015, -0.001)	0.024	0.145	0.918	20
FVC	ITPR1	cg18689402	rs6442889	-0.006	0.002	-0.006 (-0.010, -0.001)	0.024	0.145	0.130	20
FVC	IGF2R	cg17154159	rs10945649	0.027	0.012	0.027 (0.004, 0.051)	0.024	0.146	0.074	20
FVC	RHEB	cg03998173	rs6943752	-0.041	0.018	-0.041 (-0.076, -0.005)	0.025	0.147	0.011	15
FVC	COL2A1	cg17342302	rs7132668	-0.030	0.013	-0.030 (-0.056, -0.004)	0.025	0.147	0.998	20
FVC	STXBP2	cg24759919	rs3745364	-0.006	0.003	-0.006 (-0.012, -0.001)	0.025	0.147	0.571	20
FVC	TFDP1	cg08183317	rs2260302	0.029	0.013	0.029 (0.004, 0.055)	0.025	0.148	0.468	20
FVC	PAFAH1B2	cg13046003	rs12271743	0.014	0.006	0.014 (0.002, 0.026)	0.025	0.148	0.051	20
FVC	STXBP2	cg27546241	rs3745364	-0.009	0.004	-0.009 (-0.017, -0.001)	0.025	0.149	0.400	20
FVC	COL2A1	cg08886711	rs3803183	0.035	0.015	0.035 (0.004, 0.065)	0.025	0.149	0.192	20
FVC	ALOX15	cg11334406	rs9905711	-0.035	0.016	-0.035 (-0.066, -0.004)	0.025	0.150	0.355	14
FVC	HEXB	cg21230774	rs820871	0.015	0.007	0.015 (0.002, 0.028)	0.025	0.150	0.910	20
FVC	MET	cg19958057	rs10227421	-0.045	0.020	-0.045 (-0.085, -0.006)	0.025	0.150	0.564	7
FVC	FOXK2	cg14587273	rs9903168	-0.009	0.004	-0.009 (-0.018, -0.001)	0.026	0.151	0.528	20
FVC	TERT	cg27298526	rs11133695	-0.022	0.010	-0.022 (-0.041, -0.003)	0.026	0.151	0.222	20
FVC	PLEKHM2	cg07007550	rs10927840	0.015	0.007	0.015 (0.002, 0.029)	0.026	0.151	0.482	20
FVC	CSNK2A1	cg26292976	rs459710	-0.023	0.010	-0.023 (-0.043, -0.003)	0.026	0.151	0.361	20
FVC	TP73	cg24356964	rs3765770	0.036	0.016	0.036 (0.004, 0.067)	0.026	0.152	0.909	8
FVC	CDH1	cg23989635	rs11642362	-0.032	0.014	-0.032 (-0.060, -0.004)	0.026	0.152	0.185	20
FVC	EPHA2	cg26371327	rs6679761	0.015	0.007	0.015 (0.002, 0.028)	0.026	0.153	0.964	20
FVC	EPHA2	cg03258665	rs7538833	0.016	0.007	0.016 (0.002, 0.029)	0.026	0.153	0.902	20
FVC	EPHA2	cg27582323	rs6679761	0.016	0.007	0.016 (0.002, 0.030)	0.026	0.153	0.883	20
FVC	CDKN2D	cg08312369	rs8105074	0.040	0.018	0.040 (0.005, 0.076)	0.026	0.153	0.120	16
FVC	TFDP1	cg25945004	rs2259495	-0.019	0.009	-0.019 (-0.037, -0.002)	0.026	0.153	0.660	20
FVC	USP36	cg06146665	rs2054624	0.008	0.004	0.008 (0.001, 0.016)	0.027	0.154	0.033	20
FVC	KDM1A	cg23271558	rs2072945	-0.029	0.013	-0.029 (-0.054, -0.003)	0.027	0.154	0.307	20
FVC	GATA4	cg26020513	rs13267318	0.020	0.009	0.020 (0.002, 0.038)	0.027	0.154	0.033	20
FVC	AIM2	cg17515347	rs79288222	0.011	0.005	0.011 (0.001, 0.020)	0.027	0.155	0.292	20
FVC	MAP3K5	cg21506299	rs1022690	-0.018	0.008	-0.018 (-0.034, -0.002)	0.027	0.156	0.685	20
FVC	PDHB	cg07576186	rs62259782	-0.004	0.002	-0.004 (-0.008, -0.000)	0.027	0.157	0.784	20
FVC	TFDP1	cg09041183	rs9604156	-0.031	0.014	-0.031 (-0.059, -0.003)	0.027	0.157	0.486	20
FVC	STXBP2	cg04770751	rs3745361	-0.019	0.009	-0.019 (-0.037, -0.002)	0.027	0.157	0.346	20
FVC	SRC	cg23635789	rs6018091	0.025	0.011	0.025 (0.003, 0.048)	0.027	0.157	0.742	15
FVC	CHGA	cg23013853	rs7159323	-0.009	0.004	-0.009 (-0.016, -0.001)	0.027	0.157	0.262	20
FVC	RPS27L	cg26210447	rs1126308	-0.011	0.005	-0.011 (-0.021, -0.001)	0.028	0.158	0.700	20

FVC	INF2	cg24404909	rs7158194	0.040	0.018	0.040 (0.004, 0.075)	0.028	0.158	0.112	20
FVC	MAP2K5	cg25642180	rs11858758	0.040	0.018	0.040 (0.004, 0.075)	0.028	0.160	0.846	4
FVC	STAT4	cg01004382	rs3024847	0.036	0.016	0.036 (0.004, 0.068)	0.028	0.160	0.051	20
FVC	ATP2A3	cg06463185	rs8077445	-0.009	0.004	-0.009 (-0.017, -0.001)	0.028	0.160	0.052	20
FVC	BIRC2	cg11114757	rs1318199	-0.013	0.006	-0.013 (-0.024, -0.001)	0.028	0.160	0.720	20
FVC	ZC3H12A	cg03140118	rs75785507	-0.008	0.004	-0.008 (-0.016, -0.001)	0.028	0.161	0.019	20
FVC	SFRP1	cg14824386	rs968427	-0.034	0.016	-0.034 (-0.065, -0.004)	0.029	0.162	0.088	7
FVC	RASIP1	cg12258179	rs11672900	-0.024	0.011	-0.024 (-0.046, -0.003)	0.028	0.162	0.665	20
FVC	SRC	cg12807924	rs56257628	0.009	0.004	0.009 (0.001, 0.017)	0.029	0.163	0.683	20
FVC	MSX1	cg03199651	rs56398386	-0.031	0.014	-0.031 (-0.060, -0.003)	0.029	0.163	0.816	20
FVC	LAPTM5	cg24459792	rs12137058	-0.028	0.013	-0.028 (-0.053, -0.003)	0.029	0.163	0.079	12
FVC	ATG7	cg18146954	rs2606740	-0.027	0.012	-0.027 (-0.050, -0.003)	0.029	0.163	0.834	20
FVC	AP1G1	cg13701124	rs35981926	-0.035	0.016	-0.035 (-0.067, -0.004)	0.029	0.163	0.023	20
FVC	AIM2	cg17217296	rs16841642	0.007	0.003	0.007 (0.001, 0.013)	0.029	0.163	0.301	20
FVC	AIM2	cg11003133	rs16841642	0.009	0.004	0.009 (0.001, 0.018)	0.029	0.164	0.211	20
FVC	EIF2AK2	cg23820429	rs2373188	-0.045	0.021	-0.045 (-0.086, -0.005)	0.029	0.164	0.308	20
FVC	TMEM14A	cg18568843	rs2281483	0.033	0.015	0.033 (0.003, 0.062)	0.030	0.166	0.244	16
FVC	CX3CL1	cg01555705	rs675841	-0.027	0.012	-0.027 (-0.050, -0.003)	0.030	0.166	0.672	20
FVC	TRIM65	cg25176883	rs3744027	0.040	0.018	0.040 (0.004, 0.076)	0.030	0.167	0.479	13
FVC	AIM2	cg00490406	rs16841642	0.013	0.006	0.013 (0.001, 0.025)	0.030	0.167	0.317	20
FVC	MSX1	cg03672274	rs4423815	-0.040	0.019	-0.040 (-0.077, -0.004)	0.030	0.168	0.986	20
FVC	ENTPD4	cg02151632	rs60942280	-0.007	0.003	-0.007 (-0.013, -0.001)	0.030	0.168	0.833	20
FVC	OPA1	cg16241473	rs78912308	-0.042	0.020	-0.042 (-0.081, -0.004)	0.030	0.168	0.573	15
FVC	CDK5R1	cg22322863	rs62062462	0.029	0.013	0.029 (0.003, 0.056)	0.030	0.168	0.266	20
FVC	STXBP2	cg24479032	rs56272042	-0.035	0.016	-0.035 (-0.068, -0.003)	0.031	0.169	0.739	19
FVC	MAMSTR;RASIP1	cg18886062	rs2287921	-0.030	0.014	-0.030 (-0.058, -0.003)	0.031	0.169	0.623	20
FVC	SCOC	cg06775361	rs6536830	-0.028	0.013	-0.028 (-0.053, -0.003)	0.031	0.169	0.671	20
FVC	CD3E	cg27354586	rs1599810	0.007	0.003	0.007 (0.001, 0.014)	0.031	0.171	0.838	20
FVC	AIM2	cg27541604	rs16841642	0.017	0.008	0.017 (0.002, 0.033)	0.031	0.171	0.274	20
FVC	AATF	cg03252536	rs57032547	-0.028	0.013	-0.028 (-0.054, -0.003)	0.031	0.171	0.223	9
FVC	TERT	cg13924604	rs4449583	-0.036	0.017	-0.036 (-0.068, -0.003)	0.031	0.171	0.691	14
FVC	ERCC4	cg03927470	rs3136155	0.010	0.005	0.010 (0.001, 0.019)	0.032	0.172	0.517	20
FVC	COL2A1	cg19066141	rs1635528	0.020	0.009	0.020 (0.002, 0.038)	0.032	0.172	0.344	20
FVC	UCHL1	cg08273672	rs11936454	-0.020	0.009	-0.020 (-0.039, -0.002)	0.032	0.172	0.066	20
FVC	DAB2IP	cg14136214	rs7854651	0.025	0.012	0.025 (0.002, 0.047)	0.032	0.172	0.066	20
FVC	CBL	cg22414151	rs11243	-0.016	0.007	-0.016 (-0.030, -0.001)	0.032	0.173	0.429	14
FVC	E2F2	cg03333582	rs2092085	-0.028	0.013	-0.028 (-0.053, -0.002)	0.032	0.174	0.455	10
FVC	PPP1R13B	cg09351176	rs2295140	0.040	0.019	0.040 (0.003, 0.077)	0.032	0.175	0.734	20
FVC	RASIP1	cg23082877	rs11667321	-0.026	0.012	-0.026 (-0.051, -0.002)	0.033	0.176	0.431	20
FVC	KIF25	cg03662475	rs2636354	-0.035	0.016	-0.035 (-0.067, -0.003)	0.033	0.177	0.317	20
FVC	ATP6V1C2	cg18436444	rs4414652	-0.028	0.013	-0.028 (-0.053, -0.002)	0.033	0.177	0.023	20
FVC	ERN1	cg14603886	rs2331413	-0.034	0.016	-0.034 (-0.064, -0.003)	0.033	0.178	0.287	5

FVC	USP21	cg08535938	rs79170999	-0.025	0.012	-0.025 (-0.049, -0.002)	0.033	0.178	0.573	11
FVC	PPM1F	cg01612629	rs240051	-0.021	0.010	-0.021 (-0.040, -0.002)	0.034	0.180	0.389	20
FVC	MAP2K5	cg01362115	rs12593640	0.016	0.007	0.016 (0.001, 0.030)	0.034	0.180	0.892	20
FVC	CUL3	cg06170657	rs72962707	-0.009	0.004	-0.009 (-0.017, -0.001)	0.034	0.180	0.083	20
FVC	STXBP2	cg27508769	rs35020672	-0.040	0.019	-0.040 (-0.078, -0.003)	0.034	0.180	0.653	20
FVC	AIM2	cg10636246	rs76430338	0.020	0.010	0.020 (0.002, 0.039)	0.034	0.180	0.306	20
FVC	MTDH	cg21206266	rs2516350	0.035	0.017	0.035 (0.003, 0.068)	0.034	0.180	0.090	18
FVC	GSDMC	cg26073844	rs4260864	-0.029	0.014	-0.029 (-0.056, -0.002)	0.034	0.180	0.053	20
FVC	NACC2	cg13549345	rs10745379	0.030	0.014	0.030 (0.002, 0.057)	0.034	0.180	0.843	19
FVC	PDHB	cg26110898	rs11923154	0.007	0.003	0.007 (0.001, 0.013)	0.034	0.180	0.709	20
FVC	LGALS3	cg09939831	rs10132349	-0.041	0.019	-0.041 (-0.078, -0.003)	0.034	0.181	0.789	20
FVC	SLC39A14	cg15257755	rs6558033	0.010	0.005	0.010 (0.001, 0.020)	0.034	0.182	0.056	20
FVC	CYLD	cg20769774	rs3135503	-0.042	0.020	-0.042 (-0.081, -0.003)	0.034	0.182	0.217	18
FVC	PDLIM1	cg10266121	rs7101278	-0.019	0.009	-0.019 (-0.037, -0.001)	0.034	0.182	0.153	20
FVC	RALB	cg06876354	rs13019313	-0.042	0.020	-0.042 (-0.081, -0.003)	0.034	0.182	0.590	13
FVC	SYNPO2	cg10320997	rs57021447	0.041	0.020	0.041 (0.003, 0.080)	0.034	0.182	0.167	18
FVC	KDM1A	cg22683154	rs4620508	-0.041	0.019	-0.041 (-0.078, -0.003)	0.035	0.183	0.253	14
FVC	RPTOR	cg06975080	rs61391154	0.010	0.005	0.010 (0.001, 0.019)	0.035	0.183	0.346	20
FVC	UCHL1	cg16026922	rs13119394	0.022	0.010	0.022 (0.002, 0.042)	0.035	0.183	0.017	20
FVC	TERT	cg00728907	rs4449583	-0.042	0.020	-0.042 (-0.081, -0.003)	0.035	0.183	0.309	11
FVC	DDIT3	cg08984436	rs536957166	-0.023	0.011	-0.023 (-0.044, -0.002)	0.035	0.183	0.149	12
FVC	AP1M2	cg16589555	rs12710256	0.029	0.014	0.029 (0.002, 0.056)	0.035	0.184	0.636	20
FVC	KIF25	cg21477075	rs957382	-0.011	0.005	-0.011 (-0.021, -0.001)	0.035	0.184	0.183	20
FVC	RALB	cg27505472	rs34874174	-0.032	0.015	-0.032 (-0.063, -0.002)	0.035	0.184	0.490	18
FVC	ENO1	cg13785123	rs2274971	0.010	0.005	0.010 (0.001, 0.020)	0.035	0.184	0.324	20
FVC	SLC40A1	cg10752008	rs1123109	-0.008	0.004	-0.008 (-0.015, -0.001)	0.036	0.186	0.144	20
FVC	CHGA	cg16290737	rs4905009	-0.009	0.004	-0.009 (-0.017, -0.001)	0.036	0.186	0.245	20
FVC	PLEKHM2	cg27534772	rs12084518	0.021	0.010	0.021 (0.001, 0.041)	0.036	0.186	0.798	20
FVC	ALOX15	cg22280258	rs9890673	0.029	0.014	0.029 (0.002, 0.057)	0.036	0.187	0.436	7
FVC	SH3BP4	cg04066885	rs13019776	-0.014	0.007	-0.014 (-0.028, -0.001)	0.036	0.188	0.535	20
FVC	CHGA	cg00813752	rs4905009	-0.011	0.005	-0.011 (-0.022, -0.001)	0.036	0.188	0.286	20
FVC	TERT	cg00624418	rs7725218	-0.039	0.019	-0.039 (-0.076, -0.002)	0.036	0.189	0.190	10
FVC	CLEC16A	cg26788616	rs7206445	0.013	0.006	0.013 (0.001, 0.025)	0.036	0.189	0.996	20
FVC	SLC40A1	cg19075346	rs1123109	0.013	0.006	0.013 (0.001, 0.025)	0.037	0.189	0.318	20
FVC	ATG7	cg25214561	rs113803535	0.009	0.004	0.009 (0.001, 0.017)	0.037	0.190	0.381	20
FVC	TNFRSF10C	cg08783300	rs10109912	-0.037	0.018	-0.037 (-0.072, -0.002)	0.037	0.190	0.322	19
FVC	CSNK2A1	cg07789225	rs157816	-0.039	0.019	-0.039 (-0.076, -0.002)	0.037	0.190	0.188	20
FVC	SLC39A1;CRTC2	cg16262392	rs6724	-0.026	0.013	-0.026 (-0.051, -0.002)	0.037	0.190	0.033	20
FVC	AP1M2	cg23652172	rs8113212	-0.038	0.018	-0.038 (-0.074, -0.002)	0.037	0.191	0.458	20
FVC	SLC39A11	cg14233847	rs9910192	0.036	0.017	0.036 (0.002, 0.071)	0.037	0.191	0.018	20
FVC	UCHL1	cg16406708	rs13152103	-0.039	0.019	-0.039 (-0.077, -0.002)	0.037	0.191	0.412	11
FVC	FHIT	cg03060986	rs12498046	0.029	0.014	0.029 (0.002, 0.057)	0.037	0.191	0.330	15

FVC	OPTN	cg06091155	rs76647957	-0.026	0.013	-0.026 (-0.051, -0.002)	0.037	0.191	0.527	10
FVC	PPM1F	cg24533864	rs76341067	-0.027	0.013	-0.027 (-0.052, -0.002)	0.038	0.192	0.342	20
FVC	SCOC	cg17933300	rs883945	-0.020	0.010	-0.020 (-0.039, -0.001)	0.038	0.192	0.716	20
FVC	YWHAZ	cg04962480	rs3105460	0.008	0.004	0.008 (0.000, 0.015)	0.038	0.192	0.326	20
FVC	CDH1	cg26508465	rs13330378	0.028	0.013	0.028 (0.002, 0.054)	0.038	0.192	0.402	20
FVC	WWOX	cg08748098	rs9940608	0.014	0.007	0.014 (0.001, 0.027)	0.038	0.192	0.936	20
FVC	ABL2	cg18433086	rs2011265	-0.033	0.016	-0.033 (-0.064, -0.002)	0.038	0.193	0.039	20
FVC	FIS1	cg01299997	rs6979286	-0.017	0.008	-0.017 (-0.033, -0.001)	0.039	0.195	0.943	20
FVC	IL6	cg17067544	rs11766273	0.034	0.016	0.034 (0.002, 0.066)	0.039	0.196	0.798	17
FVC	ATP6V0A1	cg15269394	rs35111218	-0.040	0.019	-0.040 (-0.077, -0.002)	0.039	0.196	0.011	17
FVC	HIP1	cg14177084	rs1183821	0.014	0.007	0.014 (0.001, 0.028)	0.039	0.196	0.133	20
FVC	LIPA	cg13931663	rs1556478	-0.012	0.006	-0.012 (-0.024, -0.001)	0.039	0.196	0.140	20
FVC	SRC	cg08553950	rs56257628	-0.037	0.018	-0.037 (-0.072, -0.002)	0.039	0.196	0.621	7
FVC	CSNK2A2	cg07377098	rs112480836	-0.027	0.013	-0.027 (-0.053, -0.001)	0.039	0.197	0.616	20
FVC	SST	cg00481951	rs4988514	-0.010	0.005	-0.010 (-0.019, -0.000)	0.040	0.199	0.697	20
FVC	G0S2	cg14824901	rs73087477	-0.030	0.014	-0.030 (-0.058, -0.001)	0.040	0.199	0.357	16
FVC	RPTOR	cg25288455	rs3764371	0.018	0.009	0.018 (0.001, 0.035)	0.040	0.200	0.562	20
FVC	USP21;UFC1	cg01447427	rs78498753	0.032	0.016	0.032 (0.001, 0.064)	0.040	0.200	0.533	4
FVC	UCHL1	cg24715245	rs13119394	0.033	0.016	0.033 (0.001, 0.065)	0.040	0.200	0.023	10
FVC	G0S2	cg08158408	rs56948998	-0.024	0.012	-0.024 (-0.047, -0.001)	0.041	0.201	0.358	19
FVC	G0S2	cg27176828	rs73087477	-0.032	0.016	-0.032 (-0.062, -0.001)	0.041	0.203	0.401	10
FVC	SST	cg25478614	rs4988514	-0.013	0.006	-0.013 (-0.026, -0.001)	0.041	0.204	0.715	14
FVC	ATP6V0A2	cg17306339	rs113421547	-0.020	0.010	-0.020 (-0.040, -0.001)	0.041	0.204	0.857	20
FVC	LAPTM5	cg17418085	rs34854980	-0.031	0.015	-0.031 (-0.061, -0.001)	0.041	0.204	0.149	15
FVC	GATA4	cg22320962	rs117165277	0.039	0.019	0.039 (0.001, 0.077)	0.042	0.205	0.895	10
FVC	RPTOR	cg25673241	rs3764371	0.022	0.011	0.022 (0.001, 0.043)	0.042	0.205	0.571	20
FVC	SLC26A1;IDUA	cg09153458	rs2290405	-0.010	0.005	-0.010 (-0.019, -0.000)	0.042	0.206	0.193	20
FVC	RPTOR	cg18091083	rs73368831	-0.008	0.004	-0.008 (-0.015, -0.000)	0.042	0.207	0.991	20
FVC	IL6R	cg21262032	rs6427672	0.008	0.004	0.008 (0.000, 0.015)	0.042	0.207	0.654	20
FVC	RPTOR	cg21507958	rs73368831	-0.009	0.004	-0.009 (-0.018, -0.000)	0.042	0.207	0.993	20
FVC	MSX1	cg09573795	rs4395446	0.030	0.015	0.030 (0.001, 0.059)	0.043	0.209	0.837	20
FVC	HIP1	cg22605936	rs2696207	-0.032	0.016	-0.032 (-0.062, -0.001)	0.043	0.210	0.187	17
FVC	PLEKHM2	cg09873284	rs1547033	-0.030	0.015	-0.030 (-0.059, -0.001)	0.043	0.210	0.868	20
FVC	GATA2	cg13483882	rs7629791	-0.015	0.008	-0.015 (-0.030, -0.000)	0.043	0.211	0.393	20
FVC	CSNK2A2	cg15508020	rs1875523	0.038	0.019	0.038 (0.001, 0.074)	0.043	0.211	0.575	20
FVC	PDLIM1	cg19190632	rs6583987	0.024	0.012	0.024 (0.001, 0.048)	0.043	0.211	0.061	20
FVC	HIP1	cg05857060	rs1183821	-0.026	0.013	-0.026 (-0.052, -0.001)	0.044	0.213	0.310	14
FVC	STK24	cg24044564	rs2296149	0.013	0.007	0.013 (0.000, 0.027)	0.045	0.216	0.166	20
FVC	ATG7	cg16028117	rs2594983	0.005	0.002	0.005 (0.000, 0.009)	0.046	0.220	0.369	20
FVC	CD300A	cg10953317	rs60896143	0.007	0.003	0.007 (0.000, 0.013)	0.046	0.221	0.930	20
FVC	CD300A	cg24375215	rs60896143	0.006	0.003	0.006 (0.000, 0.012)	0.046	0.221	0.896	20
FVC	IDUA	cg05327835	rs1131853	0.033	0.017	0.033 (0.001, 0.066)	0.046	0.221	0.196	17

FVC	G0S2	cg08185241	rs73087477	-0.040	0.020	-0.040 (-0.079, -0.001)	0.046	0.221	0.373	8
FVC	RALB	cg15425061	rs148141523	0.008	0.004	0.008 (0.000, 0.016)	0.046	0.221	0.070	20
FVC	CFLAR	cg25051278	rs60630751	-0.014	0.007	-0.014 (-0.028, -0.000)	0.046	0.221	0.536	20
FVC	G0S2	cg06616057	rs1815548	-0.040	0.020	-0.040 (-0.079, -0.001)	0.046	0.221	0.466	9
FVC	RPS27L	cg19279045	rs12594313	-0.037	0.019	-0.037 (-0.074, -0.001)	0.046	0.221	0.867	20
FVC	IL6R	cg25135018	rs6427672	0.023	0.012	0.023 (0.000, 0.046)	0.047	0.224	0.630	16
FVC	MAP3K5	cg16581840	rs9321570	0.036	0.018	0.036 (0.000, 0.071)	0.047	0.225	0.556	18
FVC	NOS3	cg21932452	rs3918176	0.017	0.008	0.017 (0.000, 0.033)	0.048	0.228	0.032	20
FVC	PADI4	cg17785802	rs12733102	0.019	0.010	0.019 (0.000, 0.038)	0.048	0.228	0.918	5
FVC	SQSTM1	cg15960580	rs269445	-0.035	0.018	-0.035 (-0.071, -0.000)	0.049	0.230	0.439	20
FVC	CLNK	cg03485217	rs35062675	0.018	0.009	0.018 (0.000, 0.036)	0.049	0.231	0.964	20
FVC	HIP1	cg01621268	rs1183821	-0.036	0.018	-0.036 (-0.071, -0.000)	0.049	0.232	0.372	10
FVC	TOP3A;SMCR8	cg02753233	rs34417974	-0.035	0.018	-0.035 (-0.070, -0.000)	0.049	0.232	0.123	18
FVC	CHMP7	cg09098025	rs10866821	0.026	0.013	0.026 (0.000, 0.053)	0.049	0.232	0.913	20
FVC	ASAH1	cg23540819	rs35425490	-0.015	0.008	-0.015 (-0.029, -0.000)	0.050	0.233	0.669	20
FEV1	TRIM27	cg23756442	rs3135293	0.096	0.011	0.096 (0.074, 0.117)	1.15E-18	3.12E-16	0.017	20
FEV1	MCL1	cg13175981	rs61820165	-0.029	0.003	-0.029 (-0.036, -0.022)	1.84E-16	3.91E-14	0.210	20
FEV1	STX4	cg07404961	rs35961830	-0.059	0.008	-0.059 (-0.075, -0.044)	6.99E-14	1.12E-11	0.432	20
FEV1	PPT2	cg04536704	rs3130283	-0.050	0.007	-0.050 (-0.064, -0.037)	1.24E-13	1.95E-11	0.010	20
FEV1	PRRT1;PPT2	cg00403498	rs3130283	-0.060	0.008	-0.060 (-0.077, -0.044)	1.10E-12	1.55E-10	0.011	20
FEV1	IREB2	cg13714459	rs2656065	-0.069	0.010	-0.069 (-0.088, -0.049)	7.11E-12	9.19E-10	0.021	20
FEV1	STX4	cg06233904	rs58726213	0.081	0.012	0.081 (0.057, 0.104)	2.17E-11	2.75E-09	0.455	20
FEV1	MCL1	cg18016565	rs35967040	0.060	0.009	0.060 (0.042, 0.078)	3.34E-11	4.14E-09	0.087	20
FEV1	PPT2;PRRT1	cg25426302	rs3130283	0.077	0.012	0.077 (0.054, 0.100)	4.03E-11	4.80E-09	0.019	20
FEV1	IREB2	cg19941054	rs2089162	-0.073	0.011	-0.073 (-0.094, -0.051)	4.41E-11	5.04E-09	0.013	20
FEV1	CTSK	cg20802392	rs2039590	0.061	0.010	0.061 (0.042, 0.079)	1.87E-10	1.95E-08	0.014	20
FEV1	PPT2;PRRT1	cg06814287	rs3130284	0.094	0.015	0.094 (0.065, 0.123)	1.93E-10	1.97E-08	0.031	20
FEV1	PPT2	cg04877280	rs3130283	-0.085	0.013	-0.085 (-0.111, -0.059)	1.95E-10	1.97E-08	0.037	20
FEV1	PPT2;PRRT1	cg23359665	rs3130283	0.100	0.017	0.100 (0.067, 0.132)	3.15E-09	2.98E-07	0.047	20
FEV1	STX4	cg08893833	rs729482	0.107	0.018	0.107 (0.071, 0.143)	4.65E-09	4.26E-07	0.105	20
FEV1	PCGF2	cg02433498	rs68075021	0.075	0.013	0.075 (0.050, 0.099)	4.60E-09	4.26E-07	0.156	20
FEV1	PPT2;PRRT1	cg06108383	rs3130283	0.102	0.018	0.102 (0.068, 0.137)	5.36E-09	4.69E-07	0.029	20
FEV1	PPT2;PRRT1	cg02956248	rs3130283	0.104	0.018	0.104 (0.069, 0.139)	6.64E-09	5.73E-07	0.066	20
FEV1	MCL1	cg02961109	rs6587756	0.090	0.016	0.090 (0.060, 0.121)	7.81E-09	6.55E-07	0.196	20
FEV1	EYA2	cg26046136	rs6018188	-0.078	0.014	-0.078 (-0.105, -0.051)	1.20E-08	9.61E-07	0.064	20
FEV1	PPT2;PRRT1	cg17113856	rs3130071	0.087	0.015	0.087 (0.057, 0.118)	1.74E-08	1.38E-06	0.025	20
FEV1	TRIM27	cg27120125	rs13200214	0.199	0.036	0.199 (0.128, 0.269)	3.13E-08	2.42E-06	0.325	20
FEV1	ATP2A1	cg04414917	rs12928404	0.035	0.006	0.035 (0.022, 0.047)	4.28E-08	3.18E-06	0.954	20
FEV1	GPX1	cg07274523	rs6446277	0.034	0.006	0.034 (0.022, 0.046)	7.13E-08	5.17E-06	0.012	20
FEV1	PPT2	cg27070869	rs3130283	-0.123	0.023	-0.123 (-0.168, -0.078)	9.49E-08	6.80E-06	0.083	20
FEV1	ERBB3	cg10869879	rs4759229	0.048	0.009	0.048 (0.030, 0.065)	1.41E-07	9.43E-06	0.631	20
FEV1	ERBB3	cg23731805	rs705696	0.043	0.008	0.043 (0.027, 0.059)	1.62E-07	1.07E-05	0.192	20

FEV1	PCGF2	cg18896448	rs34727469	0.087	0.017	0.087 (0.054, 0.119)	1.76E-07	1.13E-05	0.153	20
FEV1	CTSS	cg15900387	rs2039590	0.104	0.020	0.104 (0.065, 0.144)	2.47E-07	1.53E-05	0.129	20
FEV1	SLC30A2	cg01689405	rs1317709	-0.062	0.012	-0.062 (-0.086, -0.038)	2.89E-07	1.77E-05	0.031	20
FEV1	BCL2L1	cg13852791	rs6058449	-0.014	0.003	-0.014 (-0.019, -0.008)	3.64E-07	2.12E-05	0.349	20
FEV1	KDR	cg01340163	rs11722486	-0.059	0.012	-0.059 (-0.082, -0.036)	4.51E-07	2.61E-05	0.075	19
FEV1	ATP2A1	cg05966235	rs8056890	-0.016	0.003	-0.016 (-0.022, -0.010)	4.87E-07	2.76E-05	0.013	20
FEV1	NUPR1	cg01803679	rs3859172	0.037	0.008	0.037 (0.023, 0.052)	7.38E-07	3.99E-05	0.109	20
FEV1	CAPZB	cg17081867	rs55967673	-0.055	0.011	-0.055 (-0.077, -0.033)	8.00E-07	4.21E-05	0.026	20
FEV1	ORMDL3	cg18711369	rs4065275	0.015	0.003	0.015 (0.009, 0.021)	8.94E-07	4.59E-05	0.455	20
FEV1	ORMDL3	cg10909506	rs4065275	0.015	0.003	0.015 (0.009, 0.022)	9.11E-07	4.63E-05	0.400	20
FEV1	NEU1	cg13634177	rs3130455	0.164	0.034	0.164 (0.098, 0.230)	1.04E-06	5.22E-05	0.266	20
FEV1	WNT4	cg25011003	rs55938609	0.041	0.008	0.041 (0.024, 0.057)	1.12E-06	5.57E-05	0.571	20
FEV1	PPT2;PRRT1	cg12883279	rs1061808	0.130	0.027	0.130 (0.077, 0.182)	1.35E-06	6.66E-05	0.369	20
FEV1	HSP90AA1	cg02017208	rs11621083	-0.024	0.005	-0.024 (-0.033, -0.014)	1.44E-06	7.03E-05	0.392	20
FEV1	PPT2;PRRT1	cg13934406	rs3117578	0.117	0.024	0.117 (0.069, 0.165)	1.51E-06	7.31E-05	0.053	20
FEV1	NEU1	cg27645345	rs116312062	0.167	0.035	0.167 (0.098, 0.235)	1.75E-06	8.25E-05	0.134	20
FEV1	CLEC16A	cg10390979	rs34306440	-0.050	0.011	-0.050 (-0.071, -0.030)	1.74E-06	8.25E-05	0.180	20
FEV1	ORMDL3	cg22144450	rs4795401	0.024	0.005	0.024 (0.014, 0.034)	1.78E-06	8.28E-05	0.202	20
FEV1	PPT2;PRRT1	cg06025456	rs6457535	0.123	0.026	0.123 (0.073, 0.174)	1.85E-06	8.51E-05	0.212	20
FEV1	NUPR1	cg01542023	rs11074911	0.030	0.006	0.030 (0.017, 0.042)	1.97E-06	9.03E-05	0.018	20
FEV1	NUPR1	cg05590982	rs149278	-0.071	0.015	-0.071 (-0.100, -0.042)	2.11E-06	9.53E-05	0.872	20
FEV1	GSDMB	cg10057218	rs7224129	0.024	0.005	0.024 (0.014, 0.034)	2.20E-06	9.78E-05	0.230	20
FEV1	WNT4	cg15582954	rs55938609	0.050	0.011	0.050 (0.029, 0.070)	2.48E-06	1.09E-04	0.510	20
FEV1	PPT2;PRRT1	cg10551329	rs3130283	0.149	0.032	0.149 (0.087, 0.211)	2.69E-06	1.14E-04	0.223	20
FEV1	CAPZB	cg23519022	rs41264091	0.063	0.014	0.063 (0.037, 0.090)	2.69E-06	1.14E-04	0.139	20
FEV1	FGF10	cg16536718	rs969520	0.080	0.017	0.080 (0.046, 0.114)	2.97E-06	1.24E-04	0.045	20
FEV1	WWOX	cg10001715	rs7199349	-0.028	0.006	-0.028 (-0.040, -0.016)	4.01E-06	1.63E-04	0.018	20
FEV1	CD164	cg08222271	rs6920962	0.046	0.010	0.046 (0.026, 0.065)	4.49E-06	1.77E-04	0.894	20
FEV1	TPCN2	cg18503234	rs595882	0.065	0.014	0.065 (0.037, 0.093)	5.15E-06	2.00E-04	0.553	20
FEV1	GSDMB	cg27435903	rs2305479	-0.030	0.007	-0.030 (-0.043, -0.017)	6.88E-06	2.61E-04	0.280	20
FEV1	ERBB3	cg00907267	rs2292239	0.073	0.016	0.073 (0.041, 0.105)	6.94E-06	2.61E-04	0.106	18
FEV1	JMY	cg24856658	rs12189248	-0.043	0.010	-0.043 (-0.062, -0.024)	1.12E-05	4.07E-04	0.371	20
FEV1	CD14	cg09824255	rs3138078	0.056	0.013	0.056 (0.031, 0.082)	1.14E-05	4.15E-04	0.484	20
FEV1	TMBIM6	cg20471783	rs4584654	0.018	0.004	0.018 (0.010, 0.026)	1.24E-05	4.46E-04	0.246	20
FEV1	OTUB1	cg12836303	rs12417157	-0.017	0.004	-0.017 (-0.025, -0.009)	1.28E-05	4.56E-04	0.507	20
FEV1	SFN	cg13235717	rs12729652	-0.048	0.011	-0.048 (-0.070, -0.027)	1.29E-05	4.56E-04	0.708	20
FEV1	MUC1	cg22500132	rs914615	-0.061	0.014	-0.061 (-0.088, -0.033)	1.34E-05	4.71E-04	0.175	20
FEV1	HSP90AA1	cg11789371	rs7156564	0.055	0.013	0.055 (0.030, 0.080)	1.68E-05	5.84E-04	0.765	20
FEV1	CAPZB	cg13319175	rs6683394	-0.095	0.022	-0.095 (-0.138, -0.052)	1.71E-05	5.90E-04	0.965	20
FEV1	ERBB3	cg17843101	rs7971751	-0.058	0.013	-0.058 (-0.084, -0.031)	1.73E-05	5.94E-04	0.025	20
FEV1	CSF2	cg16465129	rs3916443	-0.054	0.013	-0.054 (-0.079, -0.030)	1.76E-05	5.99E-04	0.014	20
FEV1	CSF2	cg16565692	rs3864277	-0.047	0.011	-0.047 (-0.069, -0.026)	1.89E-05	6.40E-04	0.012	20

FEV1	HIP1R	cg19340625	rs11060406	-0.025	0.006	-0.025 (-0.037, -0.014)	1.96E-05	6.57E-04	0.054	20
FEV1	CUL3	cg06867755	rs3845840	-0.018	0.004	-0.018 (-0.027, -0.010)	2.10E-05	6.97E-04	0.766	20
FEV1	SFRP1	cg14904908	rs1562420	-0.047	0.011	-0.047 (-0.069, -0.025)	2.26E-05	7.46E-04	0.597	20
FEV1	MUL1	cg26370078	rs112684754	-0.012	0.003	-0.012 (-0.018, -0.006)	2.66E-05	8.60E-04	0.621	20
FEV1	ATP2A1	cg27473355	rs9931989	-0.065	0.015	-0.065 (-0.095, -0.035)	2.65E-05	8.60E-04	0.090	20
FEV1	FAIM	cg17462391	rs1672928	0.039	0.009	0.039 (0.021, 0.057)	3.03E-05	9.59E-04	0.140	20
FEV1	CAPZB	cg13100118	rs12755497	-0.073	0.018	-0.073 (-0.108, -0.039)	3.25E-05	0.001	0.017	20
FEV1	MUC1	cg22531371	rs12411216	-0.079	0.019	-0.079 (-0.117, -0.042)	3.35E-05	0.001	0.108	20
FEV1	NFATC4	cg06993714	rs2332326	-0.023	0.005	-0.023 (-0.033, -0.012)	3.44E-05	0.001	0.010	20
FEV1	TGFB2	cg20991819	rs1473527	-0.096	0.023	-0.096 (-0.141, -0.050)	3.72E-05	0.001	0.302	14
FEV1	TRAP1	cg04439028	rs710891	0.077	0.019	0.077 (0.040, 0.114)	3.87E-05	0.001	0.059	20
FEV1	GATA4	cg01546563	rs61277615	-0.024	0.006	-0.024 (-0.036, -0.013)	5.09E-05	0.002	0.012	20
FEV1	KDR	cg25444386	rs13126206	-0.104	0.026	-0.104 (-0.155, -0.054)	5.24E-05	0.002	0.749	5
FEV1	GSDMC	cg23990303	rs7004355	-0.036	0.009	-0.036 (-0.054, -0.019)	5.30E-05	0.002	0.231	20
FEV1	GSDMA	cg08995595	rs12603481	0.051	0.013	0.051 (0.026, 0.076)	6.82E-05	0.002	0.202	20
FEV1	MEFV	cg03919650	rs220377	0.037	0.009	0.037 (0.018, 0.055)	7.54E-05	0.002	0.447	17
FEV1	SFRP1	cg07935886	rs72643819	-0.065	0.016	-0.065 (-0.097, -0.033)	7.85E-05	0.002	0.103	10
FEV1	FEZ1	cg12906303	rs2513090	0.018	0.005	0.018 (0.009, 0.027)	8.10E-05	0.002	0.507	20
FEV1	AP1M2	cg26292442	rs7248205	0.096	0.025	0.096 (0.048, 0.144)	8.31E-05	0.002	0.328	20
FEV1	NFATC4	cg14058476	rs2332326	-0.042	0.011	-0.042 (-0.063, -0.021)	9.03E-05	0.002	0.082	20
FEV1	TBXAS1;HIPK2	cg00445997	rs1860509	-0.048	0.012	-0.048 (-0.072, -0.024)	9.18E-05	0.003	0.117	20
FEV1	MEFV	cg05554494	rs17136317	0.029	0.007	0.029 (0.015, 0.044)	9.29E-05	0.003	0.536	19
FEV1	CDKN2D	cg04833646	rs12978228	-0.012	0.003	-0.012 (-0.017, -0.006)	1.06E-04	0.003	0.446	20
FEV1	TBXAS1;HIPK2	cg26407309	rs2058265	-0.047	0.012	-0.047 (-0.070, -0.023)	1.09E-04	0.003	0.078	20
FEV1	RAF1	cg13703021	rs2348201	-0.040	0.010	-0.040 (-0.060, -0.020)	1.09E-04	0.003	0.274	20
FEV1	HIP1R	cg08756735	rs11061056	-0.052	0.013	-0.052 (-0.078, -0.025)	1.15E-04	0.003	0.041	20
FEV1	FEZ1	cg18436735	rs669052	0.022	0.006	0.022 (0.011, 0.034)	1.18E-04	0.003	0.372	20
FEV1	CD14	cg08830139	rs12153256	0.078	0.020	0.078 (0.038, 0.118)	1.26E-04	0.003	0.370	12
FEV1	DDIT4	cg01839993	rs10762504	0.050	0.013	0.050 (0.024, 0.075)	1.29E-04	0.003	0.084	20
FEV1	FEZ1	cg01460481	rs666160	0.017	0.004	0.017 (0.008, 0.025)	1.39E-04	0.003	0.630	20
FEV1	SFRP1	cg01074584	rs921142	-0.072	0.019	-0.072 (-0.109, -0.035)	1.37E-04	0.003	0.090	9
FEV1	SMPD1	cg18477969	rs1050239	-0.015	0.004	-0.015 (-0.023, -0.007)	1.38E-04	0.003	0.698	19
FEV1	SFRP1	cg03133371	rs1562420	-0.069	0.018	-0.069 (-0.105, -0.034)	1.43E-04	0.003	0.497	9
FEV1	SNORD71;AP1G1	cg03540912	rs34998650	0.018	0.005	0.018 (0.009, 0.027)	1.49E-04	0.004	0.072	20
FEV1	FTH1	cg01209023	rs195445	-0.033	0.009	-0.033 (-0.050, -0.016)	1.68E-04	0.004	0.121	20
FEV1	SFRP2	cg20727217	rs1020704	-0.051	0.014	-0.051 (-0.078, -0.024)	1.72E-04	0.004	0.474	20
FEV1	AP1M2	cg11657665	rs35769432	-0.019	0.005	-0.019 (-0.030, -0.009)	1.74E-04	0.004	0.114	20
FEV1	AP1M2	cg14985481	rs4804509	0.039	0.011	0.039 (0.019, 0.060)	1.77E-04	0.004	0.756	20
FEV1	FTH1	cg02315732	rs195445	-0.034	0.009	-0.034 (-0.052, -0.016)	1.79E-04	0.004	0.399	20
FEV1	SFRP2	cg24241928	rs62325115	-0.034	0.009	-0.034 (-0.052, -0.016)	1.80E-04	0.004	0.961	20
FEV1	ATP2A3	cg01703329	rs8070203	0.021	0.006	0.021 (0.010, 0.033)	1.85E-04	0.004	0.532	20
FEV1	JMY	cg09228878	rs7711939	0.075	0.020	0.075 (0.036, 0.114)	1.87E-04	0.004	0.195	12

FEV1	AP1M2	cg26999505	rs12978228	0.030	0.008	0.030 (0.014, 0.045)	1.85E-04	0.004	0.456	20
FEV1	SFRP1	cg00000321	rs72643819	-0.078	0.021	-0.078 (-0.120, -0.037)	2.32E-04	0.005	0.238	10
FEV1	ATP2A1	cg08213689	rs40831	-0.080	0.022	-0.080 (-0.122, -0.037)	2.45E-04	0.005	0.124	20
FEV1	DCC	cg25602457	rs13381479	-0.027	0.007	-0.027 (-0.042, -0.013)	2.46E-04	0.005	0.113	20
FEV1	ICAM4;ICAM1	cg00500176	rs281436	-0.018	0.005	-0.018 (-0.028, -0.008)	2.52E-04	0.005	0.912	20
FEV1	AP3D1	cg09261902	rs2238599	-0.015	0.004	-0.015 (-0.023, -0.007)	2.55E-04	0.005	0.031	20
FEV1	SFRP1	cg10406295	rs1159162	-0.081	0.022	-0.081 (-0.125, -0.037)	3.10E-04	0.006	0.584	8
FEV1	LTBR	cg24621362	rs4301834	0.028	0.008	0.028 (0.013, 0.044)	3.31E-04	0.007	0.258	9
FEV1	AP3D1	cg19290738	rs12985980	-0.008	0.002	-0.008 (-0.012, -0.004)	3.46E-04	0.007	0.215	20
FEV1	USP47	cg24383467	rs7937824	0.014	0.004	0.014 (0.006, 0.021)	3.59E-04	0.007	0.080	20
FEV1	LTBR	cg19476647	rs4301834	0.033	0.009	0.033 (0.015, 0.051)	3.90E-04	0.008	0.228	10
FEV1	HIPK2	cg03224163	rs1860509	-0.071	0.020	-0.071 (-0.110, -0.032)	3.97E-04	0.008	0.046	17
FEV1	FOXO1	cg10696351	rs7328677	0.013	0.004	0.013 (0.006, 0.021)	4.10E-04	0.008	0.250	20
FEV1	WNT4	cg00356045	rs2268177	0.059	0.017	0.059 (0.026, 0.091)	4.09E-04	0.008	0.094	20
FEV1	NEU1;SLC44A4	cg21116447	rs56280220	-0.050	0.014	-0.050 (-0.077, -0.022)	4.12E-04	0.008	0.192	15
FEV1	MIA	cg24083702	rs17726258	-0.020	0.006	-0.020 (-0.030, -0.009)	4.32E-04	0.008	0.021	20
FEV1	TPCN2	cg22484980	rs67321931	0.061	0.017	0.061 (0.027, 0.095)	4.46E-04	0.009	0.064	20
FEV1	CRADD	cg23535137	rs11107182	0.050	0.014	0.050 (0.022, 0.078)	4.64E-04	0.009	0.395	20
FEV1	SFRP2	cg23207990	rs58256618	0.027	0.008	0.027 (0.012, 0.042)	5.21E-04	0.009	0.562	20
FEV1	SFRP2	cg21630608	rs56413502	-0.046	0.013	-0.046 (-0.072, -0.020)	5.34E-04	0.010	0.216	20
FEV1	FOXO1	cg21288729	rs55920113	-0.011	0.003	-0.011 (-0.017, -0.005)	5.38E-04	0.010	0.244	20
FEV1	GLS	cg21497043	rs11894425	0.033	0.010	0.033 (0.014, 0.052)	5.56E-04	0.010	0.556	20
FEV1	DCC	cg25818763	rs8083215	0.052	0.015	0.052 (0.022, 0.081)	5.65E-04	0.010	0.931	20
FEV1	GATA4	cg18283386	rs34888744	-0.047	0.014	-0.047 (-0.073, -0.020)	5.63E-04	0.010	0.033	20
FEV1	SFRP2	cg23121156	rs58256618	0.031	0.009	0.031 (0.013, 0.049)	6.02E-04	0.010	0.672	20
FEV1	SLC39A4	cg03453890	rs2977837	0.022	0.006	0.022 (0.009, 0.034)	6.32E-04	0.011	0.125	20
FEV1	AP4E1	cg09951650	rs6493470	0.027	0.008	0.027 (0.011, 0.042)	6.49E-04	0.011	0.083	20
FEV1	RPS27L	cg23837188	rs9788649	0.023	0.007	0.023 (0.010, 0.036)	6.75E-04	0.011	0.243	20
FEV1	AP3D1	cg17656426	rs62128400	-0.015	0.004	-0.015 (-0.023, -0.006)	7.14E-04	0.012	0.102	20
FEV1	GFAP	cg07918341	rs17546654	-0.058	0.017	-0.058 (-0.092, -0.024)	7.16E-04	0.012	0.153	20
FEV1	CS	cg26714650	rs2066808	-0.011	0.003	-0.011 (-0.018, -0.005)	7.43E-04	0.012	0.508	20
FEV1	SFRP2	cg05241277	rs1105495	-0.043	0.013	-0.043 (-0.068, -0.018)	7.50E-04	0.012	0.436	20
FEV1	ICAM1	cg24354612	rs281436	-0.046	0.014	-0.046 (-0.073, -0.019)	7.57E-04	0.012	0.976	20
FEV1	SFRP2	cg07999845	rs62325115	-0.063	0.019	-0.063 (-0.099, -0.026)	7.77E-04	0.013	0.027	20
FEV1	FOXO1	cg09792463	rs2253001	0.023	0.007	0.023 (0.010, 0.037)	8.11E-04	0.013	0.169	20
FEV1	SLC39A4	cg18246227	rs2977837	-0.030	0.009	-0.030 (-0.047, -0.012)	8.22E-04	0.013	0.389	16
FEV1	SFRP2	cg04959480	rs4585278	-0.048	0.014	-0.048 (-0.076, -0.020)	8.52E-04	0.014	0.326	20
FEV1	CTTN	cg05226335	rs513487	-0.008	0.002	-0.008 (-0.013, -0.003)	8.75E-04	0.014	0.110	20
FEV1	DCC	cg00399483	rs7242705	-0.018	0.005	-0.018 (-0.028, -0.007)	8.84E-04	0.014	0.220	20
FEV1	CTTN	cg13802316	rs679455	-0.009	0.003	-0.009 (-0.014, -0.004)	8.87E-04	0.014	0.020	20
FEV1	CTTN	cg27326318	rs2298396	-0.040	0.012	-0.040 (-0.063, -0.016)	9.21E-04	0.014	0.116	17
FEV1	CS	cg26734620	rs1274490	0.028	0.009	0.028 (0.012, 0.045)	9.34E-04	0.015	0.131	20

FEV1	HIPK2	cg03369382	rs11769961	-0.075	0.023	-0.075 (-0.120, -0.031)	9.70E-04	0.015	0.590	20
FEV1	ITGAM	cg09326409	rs3815801	-0.055	0.017	-0.055 (-0.088, -0.022)	9.73E-04	0.015	0.154	20
FEV1	SYNPO2	cg14717666	rs58527730	-0.012	0.004	-0.012 (-0.018, -0.005)	9.79E-04	0.015	0.748	20
FEV1	GFAP	cg18208742	rs76566528	-0.058	0.018	-0.058 (-0.093, -0.024)	9.79E-04	0.015	0.486	20
FEV1	AP4E1	cg02338191	rs10519289	0.036	0.011	0.036 (0.015, 0.058)	9.95E-04	0.015	0.030	20
FEV1	GSDMB	cg12360886	rs2941519	0.071	0.022	0.071 (0.029, 0.114)	0.001	0.015	0.280	20
FEV1	HYAL1	cg04380576	rs140406358	-0.050	0.015	-0.050 (-0.080, -0.020)	0.001	0.016	0.040	3
FEV1	TNF	cg12681001	rs56280220	-0.067	0.020	-0.067 (-0.106, -0.027)	0.001	0.016	0.178	14
FEV1	SQSTM1;MGAT4B	cg06589507	rs4504352	-0.069	0.021	-0.069 (-0.110, -0.028)	0.001	0.016	0.916	14
FEV1	LEP	cg25435800	rs3828942	0.057	0.017	0.057 (0.023, 0.090)	0.001	0.016	0.908	15
FEV1	FOXO1	cg14168545	rs9549244	-0.039	0.012	-0.039 (-0.063, -0.016)	0.001	0.016	0.945	20
FEV1	CTSF	cg23230554	rs1044522	-0.030	0.009	-0.030 (-0.048, -0.012)	0.001	0.016	0.041	20
FEV1	WAC	cg24792245	rs2998286	0.024	0.007	0.024 (0.010, 0.039)	0.001	0.016	0.036	20
FEV1	USP13	cg05726764	rs1561843	0.009	0.003	0.009 (0.003, 0.014)	0.001	0.016	0.390	20
FEV1	DCC	cg20917891	rs7242705	-0.027	0.008	-0.027 (-0.043, -0.011)	0.001	0.017	0.117	20
FEV1	LTBR	cg23079808	rs9669611	0.019	0.006	0.019 (0.008, 0.030)	0.001	0.017	0.118	14
FEV1	UNC5B	cg19673155	rs1124397	0.039	0.012	0.039 (0.015, 0.062)	0.001	0.018	0.922	20
FEV1	TP53INP1	cg26343298	rs1320164	0.013	0.004	0.013 (0.005, 0.021)	0.001	0.018	0.058	20
FEV1	KIF1B	cg11342332	rs4846204	0.054	0.017	0.054 (0.021, 0.087)	0.001	0.018	0.581	10
FEV1	CARS	cg20324356	rs2071103	-0.020	0.006	-0.020 (-0.032, -0.008)	0.001	0.018	0.013	20
FEV1	SYNPO2	cg12973294	rs78448537	-0.015	0.005	-0.015 (-0.024, -0.006)	0.001	0.018	0.577	20
FEV1	CLEC16A	cg06150195	rs11641320	0.030	0.009	0.030 (0.012, 0.048)	0.001	0.018	0.627	20
FEV1	KDM4A	cg19743044	rs11590627	0.013	0.004	0.013 (0.005, 0.020)	0.001	0.018	0.012	20
FEV1	BLK	cg24861686	rs10097870	0.022	0.007	0.022 (0.008, 0.035)	0.001	0.018	0.102	20
FEV1	KIF1B	cg26247646	rs11121529	0.022	0.007	0.022 (0.009, 0.036)	0.001	0.018	0.660	20
FEV1	PARK7	cg00042356	rs7517357	-0.016	0.005	-0.016 (-0.026, -0.006)	0.001	0.018	0.742	20
FEV1	DCC	cg18841634	rs7242705	0.032	0.010	0.032 (0.012, 0.052)	0.001	0.018	0.139	20
FEV1	CTTN	cg09869226	rs3132424	-0.023	0.007	-0.023 (-0.037, -0.009)	0.001	0.018	0.233	20
FEV1	SFRP2	cg22178613	rs732681	0.017	0.005	0.017 (0.007, 0.028)	0.001	0.019	0.137	20
FEV1	KIF1B	cg11399195	rs11121529	0.024	0.007	0.024 (0.009, 0.038)	0.001	0.019	0.732	20
FEV1	KIF1B	cg03517919	rs11121529	-0.024	0.007	-0.024 (-0.039, -0.009)	0.001	0.019	0.767	20
FEV1	CBL	cg22414151	rs11243	-0.024	0.007	-0.024 (-0.039, -0.009)	0.001	0.019	0.443	14
FEV1	RHEB	cg02506984	rs4726029	-0.042	0.013	-0.042 (-0.068, -0.016)	0.001	0.019	0.050	20
FEV1	THBS1	cg25503381	rs3743125	0.041	0.013	0.041 (0.016, 0.066)	0.001	0.020	0.066	20
FEV1	DDIT4	cg20897136	rs4746110	0.061	0.019	0.061 (0.023, 0.098)	0.001	0.020	0.107	20
FEV1	FER	cg16174681	rs79409628	0.027	0.009	0.027 (0.010, 0.044)	0.001	0.020	0.761	20
FEV1	SLC39A4	cg05574324	rs2977837	0.046	0.014	0.046 (0.017, 0.074)	0.002	0.021	0.188	5
FEV1	CTTN	cg13414679	rs513487	0.034	0.011	0.034 (0.013, 0.055)	0.002	0.021	0.363	18
FEV1	RHEB	cg03323794	rs2074997	-0.049	0.015	-0.049 (-0.079, -0.019)	0.002	0.021	0.037	12
FEV1	CHGA	cg23013853	rs7159323	-0.012	0.004	-0.012 (-0.020, -0.005)	0.002	0.021	0.013	20
FEV1	ZBTB22;DAXX	cg10585379	rs3130256	-0.052	0.017	-0.052 (-0.085, -0.020)	0.002	0.021	0.192	18
FEV1	SFRP2	cg05774801	rs13102996	0.049	0.016	0.049 (0.019, 0.080)	0.002	0.021	0.015	20

FEV1	GALNS;TRAPPC2L	cg16688112	rs8047028	-0.042	0.013	-0.042 (-0.068, -0.016)	0.002	0.022	0.356	20
FEV1	CS	cg24498746	rs2306694	-0.032	0.010	-0.032 (-0.053, -0.012)	0.002	0.022	0.486	20
FEV1	DDIT4	cg10592592	rs4746110	0.064	0.020	0.064 (0.024, 0.104)	0.002	0.022	0.061	20
FEV1	SFRP2	cg03202804	rs1902467	0.032	0.010	0.032 (0.012, 0.053)	0.002	0.022	0.040	20
FEV1	MTMR9	cg06240162	rs3808502	-0.055	0.018	-0.055 (-0.089, -0.021)	0.002	0.023	0.317	20
FEV1	SFRP2	cg23910835	rs56413502	-0.070	0.022	-0.070 (-0.113, -0.026)	0.002	0.023	0.829	15
FEV1	SLC39A4	cg04600798	rs7843675	0.050	0.016	0.050 (0.019, 0.082)	0.002	0.023	0.024	5
FEV1	FEZ2	cg24860371	rs11693359	-0.043	0.014	-0.043 (-0.070, -0.016)	0.002	0.023	0.073	20
FEV1	FOXO1	cg11244402	rs4325427	0.022	0.007	0.022 (0.008, 0.037)	0.002	0.024	0.402	20
FEV1	IL6	cg01770232	rs2066992	0.013	0.004	0.013 (0.005, 0.022)	0.002	0.024	0.028	20
FEV1	CYP1B1	cg07380506	rs10175338	0.008	0.003	0.008 (0.003, 0.013)	0.002	0.024	0.926	20
FEV1	SLC39A4	cg08969922	rs1011212	0.058	0.019	0.058 (0.022, 0.095)	0.002	0.024	0.762	8
FEV1	PARK7	cg10385390	rs34157438	0.027	0.009	0.027 (0.010, 0.045)	0.002	0.024	0.074	20
FEV1	BLK	cg04335815	rs2409797	0.030	0.010	0.030 (0.011, 0.049)	0.002	0.024	0.073	20
FEV1	AKT1	cg26023960	rs71421880	0.015	0.005	0.015 (0.006, 0.024)	0.002	0.024	0.022	20
FEV1	IL10	cg17067005	rs1800871	-0.042	0.013	-0.042 (-0.068, -0.015)	0.002	0.024	0.160	12
FEV1	CTTN	cg16061668	rs12801468	-0.038	0.012	-0.038 (-0.062, -0.014)	0.002	0.024	0.350	15
FEV1	DCC	cg21623566	rs17747515	-0.060	0.019	-0.060 (-0.097, -0.022)	0.002	0.024	0.055	16
FEV1	KIF1B	cg19092837	rs11121529	0.037	0.012	0.037 (0.013, 0.060)	0.002	0.025	0.691	9
FEV1	WWOX	cg01365766	rs13334444	-0.058	0.019	-0.058 (-0.094, -0.021)	0.002	0.025	0.087	20
FEV1	STAT1	cg18766080	rs2014259	0.067	0.022	0.067 (0.024, 0.109)	0.002	0.025	0.194	20
FEV1	KIF1B	cg11802797	rs11121529	-0.036	0.012	-0.036 (-0.059, -0.013)	0.002	0.025	0.829	20
FEV1	CDKN2D	cg08312369	rs8105074	0.061	0.020	0.061 (0.022, 0.099)	0.002	0.025	0.182	16
FEV1	SPTLC1	cg01248375	rs28727560	0.021	0.007	0.021 (0.008, 0.035)	0.002	0.025	0.011	20
FEV1	AP3D1	cg21414902	rs34615083	0.049	0.016	0.049 (0.018, 0.080)	0.002	0.025	0.204	20
FEV1	FZD5	cg19744498	rs35994626	0.011	0.003	0.011 (0.004, 0.018)	0.002	0.025	0.226	18
FEV1	FER	cg11403831	rs79409628	-0.038	0.012	-0.038 (-0.063, -0.014)	0.002	0.026	0.920	20
FEV1	CTTN	cg14191688	rs12795250	-0.026	0.008	-0.026 (-0.042, -0.009)	0.002	0.026	0.279	20
FEV1	FZD5	cg19957162	rs35994626	0.012	0.004	0.012 (0.004, 0.019)	0.002	0.026	0.325	16
FEV1	ARSB	cg01026730	rs163216	-0.010	0.003	-0.010 (-0.016, -0.004)	0.002	0.026	0.010	20
FEV1	IL6	cg02335517	rs9718843	0.045	0.015	0.045 (0.016, 0.074)	0.002	0.026	0.377	12
FEV1	SLC38A9	cg07262873	rs13155659	0.047	0.015	0.047 (0.017, 0.078)	0.002	0.027	0.244	20
FEV1	INF2	cg23998240	rs4334222	-0.022	0.007	-0.022 (-0.036, -0.008)	0.002	0.027	0.043	20
FEV1	PDCD6	cg20990478	rs28581737	-0.035	0.011	-0.035 (-0.057, -0.012)	0.002	0.027	0.186	20
FEV1	BOK	cg22999099	rs74491874	0.009	0.003	0.009 (0.003, 0.015)	0.002	0.027	0.014	20
FEV1	CHGA	cg16290737	rs4905009	-0.013	0.004	-0.013 (-0.021, -0.005)	0.002	0.027	0.012	20
FEV1	FZD5	cg15714846	rs74471859	0.021	0.007	0.021 (0.008, 0.035)	0.002	0.027	0.797	9
FEV1	PYCARD	cg00327577	rs4561481	0.061	0.020	0.061 (0.022, 0.100)	0.002	0.028	0.182	13
FEV1	USP10	cg07647771	rs16974535	0.007	0.002	0.007 (0.002, 0.011)	0.002	0.029	0.360	20
FEV1	RAF1	cg12173506	rs4684110	0.066	0.022	0.066 (0.023, 0.108)	0.002	0.029	0.665	20
FEV1	GALNS	cg02669544	rs112609821	-0.025	0.008	-0.025 (-0.040, -0.009)	0.002	0.029	0.030	20
FEV1	CHGA	cg00813752	rs4905009	-0.016	0.005	-0.016 (-0.027, -0.006)	0.002	0.029	0.014	20

FEV1	THBS1	cg10576133	rs11070220	0.052	0.017	0.052 (0.018, 0.086)	0.002	0.029	0.065	20
FEV1	FZD5	cg15262317	rs74471859	-0.024	0.008	-0.024 (-0.040, -0.008)	0.003	0.030	0.434	9
FEV1	IL6	cg07998387	rs2066992	0.028	0.009	0.028 (0.010, 0.047)	0.003	0.030	0.065	18
FEV1	SFRP1	cg14824386	rs968427	-0.050	0.017	-0.050 (-0.083, -0.018)	0.003	0.030	0.011	7
FEV1	FAIM	cg06309968	rs7650967	0.048	0.016	0.048 (0.017, 0.080)	0.003	0.031	0.801	20
FEV1	SLC39A11	cg15391883	rs12945690	0.018	0.006	0.018 (0.006, 0.030)	0.003	0.031	0.378	20
FEV1	SOD2	cg13221458	rs9456442	0.008	0.003	0.008 (0.003, 0.013)	0.003	0.032	0.095	20
FEV1	SCOC	cg02182440	rs116730782	-0.053	0.018	-0.053 (-0.088, -0.018)	0.003	0.032	0.012	18
FEV1	UNC5B	cg11224737	rs10999741	-0.032	0.011	-0.032 (-0.053, -0.011)	0.003	0.034	0.639	20
FEV1	SFRP2	cg11354906	rs13131656	0.034	0.012	0.034 (0.012, 0.057)	0.003	0.035	0.169	20
FEV1	FZD5	cg05774672	rs35994626	0.023	0.008	0.023 (0.008, 0.039)	0.003	0.035	0.738	10
FEV1	HSP90AA1	cg23904247	rs1059629	0.044	0.015	0.044 (0.015, 0.074)	0.003	0.036	0.162	20
FEV1	DEF8	cg04591799	rs78260644	-0.026	0.009	-0.026 (-0.043, -0.009)	0.003	0.036	0.901	20
FEV1	CTTN	cg02011981	rs11236240	-0.060	0.020	-0.060 (-0.100, -0.020)	0.003	0.037	0.937	11
FEV1	SIVA1	cg10285897	rs12881199	0.042	0.014	0.042 (0.014, 0.070)	0.003	0.039	0.060	20
FEV1	SNCA	cg08767460	rs2583988	0.007	0.002	0.007 (0.002, 0.011)	0.004	0.039	0.986	20
FEV1	CTTN	cg25587405	rs12801756	-0.060	0.021	-0.060 (-0.100, -0.020)	0.004	0.039	0.668	10
FEV1	POU4F2	cg25406138	rs6537429	-0.043	0.015	-0.043 (-0.071, -0.014)	0.004	0.039	0.517	20
FEV1	GATA4	cg23972785	rs10086500	0.017	0.006	0.017 (0.006, 0.029)	0.004	0.040	0.233	20
FEV1	CTTN	cg22720428	rs4570606	-0.061	0.021	-0.061 (-0.102, -0.020)	0.004	0.041	0.812	13
FEV1	TFRC	cg03462622	rs3933	-0.013	0.005	-0.013 (-0.023, -0.004)	0.004	0.041	0.315	20
FEV1	CTTN	cg07005180	rs12802229	-0.050	0.017	-0.050 (-0.084, -0.016)	0.004	0.042	0.508	13
FEV1	CYP1B1	cg11751707	rs2567207	-0.044	0.015	-0.044 (-0.074, -0.014)	0.004	0.043	0.220	20
FEV1	HRAS	cg12989344	rs12628	-0.020	0.007	-0.020 (-0.033, -0.006)	0.004	0.045	0.879	20
FEV1	GATA4	cg22320962	rs117165277	0.059	0.021	0.059 (0.019, 0.100)	0.004	0.045	0.814	10
FEV1	WNT4	cg12098183	rs10917159	-0.030	0.011	-0.030 (-0.051, -0.010)	0.004	0.045	0.039	20
FEV1	TP53INP1	cg23172400	rs10956933	-0.007	0.003	-0.007 (-0.012, -0.002)	0.004	0.045	0.012	20
FEV1	DEPDC5	cg13263830	rs5749334	-0.008	0.003	-0.008 (-0.014, -0.003)	0.004	0.045	0.070	20
FEV1	IL6	cg05472934	rs1800795	0.009	0.003	0.009 (0.003, 0.015)	0.004	0.045	0.301	20
FEV1	RRAGA	cg25822709	rs2233798	0.012	0.004	0.012 (0.004, 0.020)	0.004	0.045	0.414	20
FEV1	DEF8	cg03987653	rs4365288	-0.016	0.006	-0.016 (-0.028, -0.005)	0.004	0.045	0.881	20
FEV1	INF2	cg03573445	rs4983529	-0.038	0.013	-0.038 (-0.064, -0.012)	0.004	0.045	0.020	20
FEV1	WDR20;HSP90AA1	cg18412984	rs7157099	-0.025	0.009	-0.025 (-0.043, -0.008)	0.004	0.046	0.091	20
FEV1	AP1M2	cg23652172	rs8113212	-0.055	0.019	-0.055 (-0.094, -0.017)	0.004	0.047	0.551	20
FEV1	RPS27L	cg26210447	rs1126308	-0.015	0.005	-0.015 (-0.025, -0.005)	0.005	0.047	0.090	20
FEV1	SLC26A1;IDUA	cg24226891	rs4690325	-0.031	0.011	-0.031 (-0.053, -0.010)	0.005	0.048	0.384	20
FEV1	LTBR	cg25894255	rs12425441	0.061	0.022	0.061 (0.019, 0.103)	0.005	0.049	0.154	8
FEV1	GATA4	cg13434842	rs73203475	0.037	0.013	0.037 (0.011, 0.062)	0.005	0.049	0.020	20
FEV1	ZC3HC1	cg05055930	rs13222487	0.012	0.004	0.012 (0.004, 0.021)	0.005	0.049	0.508	20
FEV1	CHMP4B	cg03864128	rs2092737	-0.008	0.003	-0.008 (-0.013, -0.002)	0.005	0.049	0.324	20
FEV1	CHMP4B	cg03355213	rs2092737	-0.007	0.003	-0.007 (-0.012, -0.002)	0.005	0.049	0.287	20
FEV1	PARP1	cg23712594	rs1136410	-0.015	0.005	-0.015 (-0.026, -0.005)	0.005	0.050	0.275	20

FEV1	ARSB	cg27361227	rs62377505	0.041	0.015	0.041 (0.012, 0.070)	0.005	0.051	0.112	20
FEV1	PARP1	cg24937136	rs12143101	-0.008	0.003	-0.008 (-0.013, -0.002)	0.005	0.051	0.137	20
FEV1	BCL2	cg21793948	rs2551402	0.043	0.015	0.043 (0.013, 0.074)	0.005	0.051	0.268	19
FEV1	TMEM14A	cg18568843	rs2281483	0.044	0.016	0.044 (0.013, 0.075)	0.005	0.052	0.906	16
FEV1	ERCC4	cg24091698	rs3136085	0.040	0.014	0.040 (0.012, 0.067)	0.005	0.053	0.967	20
FEV1	STK24	cg24247370	rs9645890	0.018	0.007	0.018 (0.005, 0.031)	0.005	0.053	0.435	20
FEV1	USP21	cg08535938	rs79170999	-0.034	0.012	-0.034 (-0.058, -0.010)	0.005	0.053	0.688	11
FEV1	IL6	cg13104385	rs1474347	0.006	0.002	0.006 (0.002, 0.011)	0.005	0.054	0.451	20
FEV1	IL6	cg05265849	rs1474347	0.007	0.002	0.007 (0.002, 0.012)	0.005	0.054	0.441	20
FEV1	POU4F2	cg00505045	rs6839918	-0.057	0.020	-0.057 (-0.097, -0.017)	0.005	0.054	0.455	19
FEV1	DCC	cg18866015	rs9966338	-0.021	0.007	-0.021 (-0.035, -0.006)	0.006	0.055	0.238	20
FEV1	LTBR	cg04911821	rs28999107	0.012	0.004	0.012 (0.004, 0.021)	0.006	0.055	0.162	13
FEV1	RRAGA	cg14727880	rs2233798	0.028	0.010	0.028 (0.008, 0.048)	0.006	0.055	0.458	20
FEV1	KDM1A	cg23271558	rs2072945	-0.037	0.013	-0.037 (-0.063, -0.011)	0.006	0.055	0.119	20
FEV1	INF2	cg17984022	rs12147788	-0.010	0.004	-0.010 (-0.017, -0.003)	0.006	0.055	0.420	20
FEV1	PIK3CD	cg23098018	rs76822479	-0.054	0.019	-0.054 (-0.092, -0.016)	0.006	0.055	0.283	9
FEV1	CARS	cg01104590	rs74048783	0.012	0.004	0.012 (0.003, 0.020)	0.006	0.056	0.736	20
FEV1	CARS	cg17004353	rs74048783	0.012	0.004	0.012 (0.003, 0.021)	0.006	0.057	0.395	20
FEV1	SLC38A9	cg07042489	rs4101421	0.044	0.016	0.044 (0.013, 0.076)	0.006	0.057	0.286	20
FEV1	CARS	cg25072766	rs74048783	0.013	0.005	0.013 (0.004, 0.022)	0.006	0.057	0.472	20
FEV1	PARP1	cg18590995	rs12143101	-0.023	0.008	-0.023 (-0.039, -0.006)	0.006	0.059	0.377	20
FEV1	STAT3	cg25857307	rs113677368	0.055	0.020	0.055 (0.016, 0.094)	0.006	0.059	0.423	16
FEV1	INF2	cg13590876	rs4983529	-0.050	0.018	-0.050 (-0.085, -0.014)	0.006	0.059	0.156	20
FEV1	BNIP3	cg21762589	rs3737058	0.039	0.014	0.039 (0.011, 0.067)	0.006	0.059	0.090	17
FEV1	BCL2	cg12459502	rs6567331	-0.045	0.016	-0.045 (-0.077, -0.013)	0.006	0.059	0.120	14
FEV1	HSPA1B	cg13911590	rs12524467	0.052	0.019	0.052 (0.015, 0.090)	0.006	0.060	0.040	4
FEV1	IRF2	cg04718987	rs7685698	-0.047	0.017	-0.047 (-0.080, -0.013)	0.006	0.060	0.547	8
FEV1	GGA1	cg04984879	rs7285814	0.034	0.012	0.034 (0.010, 0.059)	0.006	0.060	0.881	20
FEV1	CLEC16A	cg00027155	rs60223258	0.008	0.003	0.008 (0.002, 0.013)	0.006	0.060	0.115	20
FEV1	RHEB	cg03998173	rs6943752	-0.049	0.018	-0.049 (-0.084, -0.014)	0.006	0.060	0.018	15
FEV1	SST	cg00481951	rs4988514	-0.013	0.005	-0.013 (-0.022, -0.004)	0.006	0.061	0.162	20
FEV1	CYP1B1	cg03890222	rs10201389	0.052	0.019	0.052 (0.015, 0.090)	0.006	0.061	0.889	11
FEV1	MAP1LC3A	cg01901788	rs6087608	0.012	0.004	0.012 (0.003, 0.020)	0.007	0.062	0.456	20
FEV1	BMF	cg09749364	rs11637681	-0.043	0.016	-0.043 (-0.075, -0.012)	0.007	0.062	0.635	13
FEV1	RPS27L	cg02713581	rs2292038	-0.023	0.009	-0.023 (-0.040, -0.006)	0.007	0.062	0.064	20
FEV1	LYN	cg03973663	rs2719252	-0.025	0.009	-0.025 (-0.044, -0.007)	0.007	0.063	0.463	20
FEV1	RHOT2;WDR90	cg07375207	rs4984909	-0.025	0.009	-0.025 (-0.042, -0.007)	0.007	0.063	0.436	20
FEV1	LYN	cg24856456	rs9693980	0.049	0.018	0.049 (0.014, 0.085)	0.007	0.063	0.842	18
FEV1	BRSK2	cg23163513	rs3829225	-0.021	0.008	-0.021 (-0.037, -0.006)	0.007	0.063	0.093	20
FEV1	PCGF2	cg23302321	rs12601476	-0.050	0.018	-0.050 (-0.086, -0.014)	0.007	0.063	0.015	20
FEV1	ACP2	cg20969221	rs1051006	0.053	0.020	0.053 (0.015, 0.092)	0.007	0.063	0.090	20
FEV1	POU4F1	cg25682299	rs12869663	-0.053	0.020	-0.053 (-0.091, -0.014)	0.007	0.064	0.939	13

FEV1	USP47	cg20781421	rs7108586	0.033	0.012	0.033 (0.009, 0.057)	0.007	0.064	0.105	20
FEV1	IL6	cg26061582	rs1800797	0.010	0.004	0.010 (0.003, 0.018)	0.007	0.064	0.630	20
FEV1	HRAS	cg16229772	rs11246161	0.047	0.017	0.047 (0.013, 0.080)	0.007	0.064	0.586	20
FEV1	KIF25	cg10146514	rs2636362	-0.030	0.011	-0.030 (-0.052, -0.008)	0.007	0.064	0.061	20
FEV1	CYP1B1	cg07057636	rs4646429	-0.051	0.019	-0.051 (-0.089, -0.014)	0.007	0.064	0.362	19
FEV1	SHARPIN	cg15230435	rs12543080	-0.047	0.017	-0.047 (-0.080, -0.013)	0.007	0.064	0.969	14
FEV1	SST	cg25478614	rs4988514	-0.018	0.007	-0.018 (-0.031, -0.005)	0.007	0.065	0.099	14
FEV1	SLC26A1;IDUA	cg09153458	rs2290405	-0.013	0.005	-0.013 (-0.023, -0.004)	0.007	0.065	0.742	20
FEV1	HYAL2	cg12150256	rs7642692	0.031	0.012	0.031 (0.008, 0.054)	0.007	0.065	0.274	20
FEV1	CARS	cg14935025	rs17687673	0.018	0.007	0.018 (0.005, 0.030)	0.007	0.065	0.344	20
FEV1	SLC39A14	cg23563866	rs6994140	0.031	0.011	0.031 (0.008, 0.053)	0.007	0.066	0.788	20
FEV1	PRKCA	cg12467435	rs9635753	-0.033	0.012	-0.033 (-0.056, -0.009)	0.007	0.066	0.111	20
FEV1	BRSK2	cg01122627	rs4072884	0.015	0.006	0.015 (0.004, 0.026)	0.007	0.066	0.035	20
FEV1	HIP1	cg07211516	rs2705790	-0.010	0.004	-0.010 (-0.017, -0.003)	0.008	0.068	0.265	20
FEV1	TFDP1	cg16637188	rs4076410	-0.041	0.015	-0.041 (-0.070, -0.011)	0.008	0.068	0.708	20
FEV1	BCL2L14	cg18223430	rs1990699	-0.010	0.004	-0.010 (-0.018, -0.003)	0.008	0.068	0.169	20
FEV1	ABL2	cg18433086	rs2011265	-0.043	0.016	-0.043 (-0.074, -0.011)	0.008	0.068	0.025	20
FEV1	ATP6V0D1	cg06120000	rs75204333	0.044	0.016	0.044 (0.012, 0.076)	0.008	0.068	0.140	20
FEV1	NFKB1	cg15409712	rs1598857	-0.009	0.003	-0.009 (-0.015, -0.002)	0.008	0.068	0.407	20
FEV1	NFKB1	cg09390974	rs3774938	-0.009	0.003	-0.009 (-0.015, -0.002)	0.008	0.068	0.208	20
FEV1	PIP4K2B	cg27142680	rs228251	-0.040	0.015	-0.040 (-0.069, -0.010)	0.008	0.068	0.112	20
FEV1	INF2	cg18996808	rs12147788	0.032	0.012	0.032 (0.008, 0.055)	0.008	0.068	0.222	20
FEV1	SFRP2	cg25775322	rs994598	0.033	0.012	0.033 (0.009, 0.057)	0.008	0.068	0.044	20
FEV1	PRKCA;MIR634	cg20152382	rs35105653	-0.038	0.014	-0.038 (-0.066, -0.010)	0.008	0.069	0.289	20
FEV1	STK24	cg24701178	rs4491365	-0.029	0.011	-0.029 (-0.050, -0.008)	0.008	0.070	0.644	20
FEV1	LYN	cg02410887	rs2667982	-0.022	0.008	-0.022 (-0.038, -0.006)	0.008	0.071	0.360	20
FEV1	BCL2L14	cg24921858	rs1990699	-0.017	0.007	-0.017 (-0.030, -0.004)	0.008	0.071	0.504	20
FEV1	LYN	cg08894788	rs2271400	0.017	0.006	0.017 (0.004, 0.030)	0.008	0.072	0.947	20
FEV1	USP21;UFC1	cg01447427	rs78498753	0.043	0.016	0.043 (0.011, 0.075)	0.008	0.072	0.697	4
FEV1	SHARPIN;MAF1	cg22861185	rs1127096	0.042	0.016	0.042 (0.011, 0.072)	0.008	0.072	0.285	14
FEV1	TP53INP2	cg04270048	rs6060017	0.016	0.006	0.016 (0.004, 0.028)	0.008	0.072	0.428	20
FEV1	LYN	cg05997362	rs2667971	-0.030	0.011	-0.030 (-0.052, -0.008)	0.008	0.072	0.469	20
FEV1	GSDMA	cg10794714	rs4239225	0.039	0.015	0.039 (0.010, 0.067)	0.008	0.072	0.028	20
FEV1	TGFB2	cg01558923	rs11581605	0.026	0.010	0.026 (0.007, 0.045)	0.009	0.072	0.201	14
FEV1	FEZ2	cg04352803	rs848610	-0.035	0.013	-0.035 (-0.062, -0.009)	0.009	0.072	0.016	20
FEV1	TGFB2	cg27508144	rs1418555	0.027	0.010	0.027 (0.007, 0.047)	0.009	0.073	0.049	14
FEV1	SLC39A14	cg14348540	rs4871996	0.020	0.008	0.020 (0.005, 0.036)	0.009	0.073	0.272	20
FEV1	MMP9	cg23353432	rs13969	0.025	0.010	0.025 (0.006, 0.045)	0.009	0.073	0.799	20
FEV1	ATP2A3	cg20473595	rs11871473	0.018	0.007	0.018 (0.005, 0.032)	0.009	0.074	0.077	20
FEV1	BNIP3	cg23606392	rs3737058	0.051	0.019	0.051 (0.013, 0.089)	0.009	0.074	0.875	6
FEV1	CLTB	cg24735937	rs67877276	-0.011	0.004	-0.011 (-0.019, -0.003)	0.009	0.075	0.646	20
FEV1	KIF1B	cg11712187	rs115345754	0.021	0.008	0.021 (0.005, 0.036)	0.009	0.076	0.906	20

FEV1	SNCA	cg18258770	rs2619371	0.055	0.021	0.055 (0.013, 0.096)	0.009	0.076	0.679	17
FEV1	GSTP1	cg25135322	rs694746	-0.009	0.003	-0.009 (-0.015, -0.002)	0.009	0.077	0.321	20
FEV1	NCK2	cg21101995	rs4851841	0.043	0.017	0.043 (0.011, 0.076)	0.009	0.078	0.584	20
FEV1	CDC42	cg11572548	rs11577378	0.020	0.008	0.020 (0.005, 0.036)	0.010	0.079	0.025	20
FEV1	UCHL1	cg08273672	rs11936454	-0.024	0.009	-0.024 (-0.042, -0.006)	0.010	0.079	0.171	20
FEV1	HIP1	cg14177084	rs1183821	0.018	0.007	0.018 (0.004, 0.032)	0.010	0.080	0.561	20
FEV1	FOXF1	cg01142386	rs112902103	-0.034	0.013	-0.034 (-0.060, -0.008)	0.010	0.080	0.321	18
FEV1	BCL2	cg16445842	rs2279115	-0.040	0.015	-0.040 (-0.070, -0.010)	0.010	0.080	0.527	15
FEV1	AHRR;PDCD6	cg17310215	rs13155531	-0.023	0.009	-0.023 (-0.041, -0.006)	0.010	0.080	0.143	20
FEV1	ARF1	cg06625004	rs3768330	0.009	0.003	0.009 (0.002, 0.016)	0.010	0.080	0.077	20
FEV1	SFRP2	cg05050042	rs1598633	0.039	0.015	0.039 (0.010, 0.069)	0.010	0.080	0.034	20
FEV1	CBS	cg03137177	rs11911976	-0.050	0.020	-0.050 (-0.089, -0.012)	0.010	0.080	0.872	20
FEV1	AP3D1	cg09548694	rs75483641	0.016	0.006	0.016 (0.004, 0.029)	0.010	0.080	0.038	20
FEV1	FEZ2	cg01109574	rs5003670	-0.020	0.008	-0.020 (-0.035, -0.005)	0.010	0.081	0.019	20
FEV1	PARP1	cg17127702	rs76887998	-0.007	0.003	-0.007 (-0.013, -0.002)	0.010	0.081	0.287	20
FEV1	GSTP1	cg25866895	rs614080	-0.005	0.002	-0.005 (-0.010, -0.001)	0.010	0.083	0.231	20
FEV1	LYN	cg02508743	rs9650314	0.012	0.005	0.012 (0.003, 0.022)	0.010	0.083	0.295	20
FEV1	RHOT2;WDR90	cg00904273	rs3743909	0.038	0.015	0.038 (0.009, 0.067)	0.010	0.083	0.809	20
FEV1	RPS7	cg20302414	rs4850068	-0.025	0.010	-0.025 (-0.044, -0.006)	0.010	0.083	0.952	20
FEV1	GSTP1	cg23725454	rs614080	-0.008	0.003	-0.008 (-0.013, -0.002)	0.010	0.083	0.266	20
FEV1	ATG5	cg09492693	rs2787552	0.033	0.013	0.033 (0.008, 0.059)	0.010	0.083	0.070	17
FEV1	TRIM8	cg22532475	rs4323806	-0.007	0.003	-0.007 (-0.012, -0.002)	0.011	0.084	0.046	20
FEV1	PRKCA	cg04955246	rs9635753	-0.046	0.018	-0.046 (-0.082, -0.011)	0.011	0.084	0.252	20
FEV1	BMF	cg26662201	rs34231574	0.045	0.018	0.045 (0.010, 0.080)	0.011	0.085	0.468	10
FEV1	TRIM8	cg06662132	rs7475335	0.038	0.015	0.038 (0.009, 0.067)	0.011	0.085	0.136	20
FEV1	TGFB2	cg17934824	rs17047703	0.033	0.013	0.033 (0.008, 0.058)	0.011	0.085	0.088	13
FEV1	PRKCA	cg17069533	rs9635753	-0.047	0.019	-0.047 (-0.083, -0.011)	0.011	0.085	0.481	20
FEV1	P2RX7	cg10901569	rs2686369	-0.017	0.007	-0.017 (-0.031, -0.004)	0.011	0.085	0.807	20
FEV1	ERCC4	cg03927470	rs3136155	0.012	0.005	0.012 (0.003, 0.021)	0.011	0.085	0.708	20
FEV1	GSTP1	cg11566244	rs4930436	0.008	0.003	0.008 (0.002, 0.015)	0.011	0.087	0.112	20
FEV1	USP47	cg20728419	rs768807	0.051	0.020	0.051 (0.011, 0.090)	0.011	0.087	0.087	18
FEV1	ST20	cg11839771	rs6495455	-0.009	0.004	-0.009 (-0.017, -0.002)	0.011	0.088	0.141	20
FEV1	HINT1	cg07158495	rs2278058	-0.035	0.014	-0.035 (-0.063, -0.008)	0.011	0.088	0.101	20
FEV1	NKX3-1	cg06696292	rs10503734	-0.021	0.008	-0.021 (-0.037, -0.005)	0.011	0.088	0.998	10
FEV1	RPTOR	cg25288455	rs3764371	0.022	0.009	0.022 (0.005, 0.039)	0.012	0.089	0.042	20
FEV1	HIP1	cg22605936	rs2696207	-0.040	0.016	-0.040 (-0.072, -0.009)	0.012	0.089	0.188	17
FEV1	PRKCA	cg04658038	rs9635753	-0.049	0.020	-0.049 (-0.088, -0.011)	0.012	0.089	0.019	20
FEV1	DIDO1	cg21976603	rs3746771	-0.020	0.008	-0.020 (-0.036, -0.005)	0.012	0.089	0.034	20
FEV1	MEFV	cg08781710	rs224215	0.032	0.013	0.032 (0.007, 0.056)	0.012	0.090	0.034	10
FEV1	SLC30A1	cg01575408	rs7526700	-0.011	0.004	-0.011 (-0.019, -0.002)	0.012	0.093	0.829	20
FEV1	STK25	cg13788902	rs3771584	-0.023	0.009	-0.023 (-0.041, -0.005)	0.012	0.093	0.177	20
FEV1	ERN1	cg11099375	rs196907	-0.035	0.014	-0.035 (-0.063, -0.008)	0.012	0.093	0.507	9

FEV1	BMF	cg07712904	rs569539	-0.013	0.005	-0.013 (-0.022, -0.003)	0.012	0.094	0.269	20
FEV1	HYAL2	cg12976582	rs12629572	0.018	0.007	0.018 (0.004, 0.032)	0.012	0.094	0.736	20
FEV1	RPTOR	cg25673241	rs3764371	0.027	0.011	0.027 (0.006, 0.049)	0.013	0.094	0.082	20
FEV1	FOXK1	cg09789173	rs7793919	-0.007	0.003	-0.007 (-0.013, -0.002)	0.013	0.094	0.958	17
FEV1	HIP1	cg05857060	rs1183821	-0.033	0.013	-0.033 (-0.060, -0.007)	0.013	0.094	0.759	14
FEV1	GSTP1	cg06928838	rs4930436	0.020	0.008	0.020 (0.004, 0.036)	0.013	0.094	0.078	20
FEV1	PDHB	cg26110898	rs11923154	0.008	0.003	0.008 (0.002, 0.014)	0.013	0.094	0.747	20
FEV1	STAT1	cg19881581	rs13029247	-0.048	0.019	-0.048 (-0.086, -0.010)	0.013	0.094	0.156	20
FEV1	ST20	cg21315874	rs17885346	0.009	0.003	0.009 (0.002, 0.015)	0.013	0.094	0.082	20
FEV1	SERINC3	cg17465920	rs6031632	0.026	0.011	0.026 (0.006, 0.047)	0.013	0.095	0.380	20
FEV1	HYAL2	cg13341668	rs12629572	0.020	0.008	0.020 (0.004, 0.036)	0.013	0.095	0.229	20
FEV1	OPTN	cg06091155	rs76647957	-0.032	0.013	-0.032 (-0.057, -0.007)	0.013	0.095	0.554	10
FEV1	DAB2IP	cg14136214	rs7854651	0.029	0.012	0.029 (0.006, 0.052)	0.013	0.095	0.044	20
FEV1	GSDMD	cg03367493	rs12679598	-0.011	0.004	-0.011 (-0.019, -0.002)	0.013	0.095	0.230	20
FEV1	KIF1B	cg26116724	rs113331329	0.041	0.016	0.041 (0.009, 0.073)	0.013	0.096	0.141	10
FEV1	TP73	cg18279180	rs12032247	0.012	0.005	0.012 (0.003, 0.022)	0.013	0.097	0.501	20
FEV1	FOXK1	cg05764847	rs7793919	0.017	0.007	0.017 (0.003, 0.030)	0.014	0.100	0.878	11
FEV1	USP36	cg23834688	rs11650046	-0.011	0.004	-0.011 (-0.020, -0.002)	0.014	0.100	0.449	20
FEV1	UCHL1	cg16026922	rs13119394	0.026	0.011	0.026 (0.005, 0.047)	0.014	0.100	0.043	20
FEV1	RPS27L	cg19279045	rs12594313	-0.048	0.020	-0.048 (-0.086, -0.010)	0.014	0.100	0.636	20
FEV1	SRC	cg24956391	rs11905180	-0.035	0.014	-0.035 (-0.064, -0.007)	0.014	0.100	0.853	11
FEV1	SUMF1	cg24840601	rs901870	0.031	0.013	0.031 (0.006, 0.056)	0.014	0.100	0.343	20
FEV1	STK25	cg19488206	rs7618	-0.024	0.010	-0.024 (-0.042, -0.005)	0.014	0.100	0.173	20
FEV1	MAP3K5	cg01792203	rs9389406	-0.038	0.015	-0.038 (-0.068, -0.008)	0.014	0.100	0.210	14
FEV1	GSTP1	cg14921275	rs10896181	-0.019	0.008	-0.019 (-0.035, -0.004)	0.014	0.101	0.029	20
FEV1	CAPN1	cg25363789	rs3953797	-0.007	0.003	-0.007 (-0.013, -0.001)	0.014	0.101	0.038	20
FEV1	MET	cg24627299	rs437	0.026	0.010	0.026 (0.005, 0.046)	0.014	0.102	0.389	14
FEV1	GSDMC	cg26073844	rs4260864	-0.034	0.014	-0.034 (-0.061, -0.007)	0.014	0.103	0.166	20
FEV1	NACC2	cg13549345	rs10745379	0.035	0.014	0.035 (0.007, 0.062)	0.014	0.103	0.530	19
FEV1	AP3D1	cg11349093	rs79847850	-0.037	0.015	-0.037 (-0.067, -0.007)	0.014	0.103	0.084	20
FEV1	GAB2	cg13319772	rs901105	0.036	0.015	0.036 (0.007, 0.065)	0.015	0.104	0.958	20
FEV1	DIDO1	cg04226366	rs755740	0.012	0.005	0.012 (0.002, 0.022)	0.015	0.104	0.322	20
FEV1	ST20;C15orf37	cg26673396	rs8026997	-0.012	0.005	-0.012 (-0.021, -0.002)	0.015	0.104	0.126	20
FEV1	IL6	cg17067544	rs11766273	0.041	0.017	0.041 (0.008, 0.073)	0.015	0.104	0.237	17
FEV1	MADD	cg19501536	rs10838687	-0.014	0.006	-0.014 (-0.026, -0.003)	0.015	0.104	0.022	20
FEV1	AIFM2	cg04859918	rs2310991	-0.013	0.005	-0.013 (-0.024, -0.003)	0.015	0.104	0.139	20
FEV1	BCL2	cg26277730	rs698708	0.041	0.017	0.041 (0.008, 0.074)	0.015	0.105	0.860	11
FEV1	GSDMD	cg20583945	rs113959366	0.005	0.002	0.005 (0.001, 0.010)	0.015	0.105	0.156	20
FEV1	FHIT	cg25736251	rs1125285	0.035	0.015	0.035 (0.007, 0.064)	0.015	0.105	0.017	20
FEV1	GSDMD	cg09317036	rs113959366	0.008	0.003	0.008 (0.001, 0.014)	0.015	0.106	0.156	20
FEV1	STK24	cg22619767	rs4772081	0.030	0.012	0.030 (0.006, 0.054)	0.015	0.106	0.404	19
FEV1	GSDMD	cg22995724	rs113959366	-0.008	0.003	-0.008 (-0.015, -0.002)	0.015	0.106	0.582	20

FEV1	TCF7L2	cg03384318	rs1473184	0.044	0.018	0.044 (0.009, 0.080)	0.015	0.106	0.547	4
FEV1	SLC39A14	cg23882724	rs4871996	0.043	0.018	0.043 (0.008, 0.078)	0.015	0.107	0.019	20
FEV1	GSDMD	cg06553843	rs2242093	-0.011	0.005	-0.011 (-0.020, -0.002)	0.015	0.107	0.286	20
FEV1	HIP1	cg27531731	rs10261914	-0.029	0.012	-0.029 (-0.052, -0.005)	0.015	0.107	0.518	17
FEV1	LAPTM5	cg18411043	rs35861413	-0.035	0.014	-0.035 (-0.063, -0.007)	0.015	0.107	0.036	15
FEV1	ERN1	cg12258847	rs196933	0.041	0.017	0.041 (0.008, 0.075)	0.015	0.107	0.858	9
FEV1	TRAPPC2L;GALNS	cg13074209	rs28507584	-0.020	0.008	-0.020 (-0.037, -0.004)	0.016	0.108	0.043	20
FEV1	NGF	cg20678800	rs4240542	0.044	0.018	0.044 (0.008, 0.079)	0.016	0.109	0.048	20
FEV1	ERN1	cg17463083	rs196952	0.034	0.014	0.034 (0.006, 0.062)	0.016	0.109	0.362	11
FEV1	USP36	cg17278466	rs12604076	-0.016	0.007	-0.016 (-0.028, -0.003)	0.016	0.110	0.409	20
FEV1	AIFM2	cg03087610	rs2310991	-0.022	0.009	-0.022 (-0.040, -0.004)	0.016	0.110	0.131	20
FEV1	PPM1F	cg25898577	rs240067	0.018	0.008	0.018 (0.003, 0.033)	0.016	0.112	0.801	20
FEV1	HIP1	cg01621268	rs1183821	-0.045	0.019	-0.045 (-0.082, -0.008)	0.016	0.112	0.792	10
FEV1	MNT	cg27406664	rs2429919	0.007	0.003	0.007 (0.001, 0.012)	0.017	0.112	0.878	20
FEV1	P2RX4	cg20966272	rs3815990	0.021	0.009	0.021 (0.004, 0.038)	0.017	0.113	0.109	20
FEV1	CHGA	cg10166151	rs2402224	-0.024	0.010	-0.024 (-0.044, -0.004)	0.017	0.113	0.011	20
FEV1	PPARD	cg21748751	rs9658058	0.023	0.009	0.023 (0.004, 0.041)	0.017	0.113	0.128	20
FEV1	GATA2	cg06796779	rs7620408	0.043	0.018	0.043 (0.008, 0.079)	0.017	0.115	0.269	18
FEV1	TNFRSF10A	cg26530341	rs13278062	0.008	0.003	0.008 (0.001, 0.015)	0.017	0.115	0.844	20
FEV1	TNFRSF10A	cg23882019	rs13278062	0.008	0.003	0.008 (0.001, 0.014)	0.017	0.115	0.307	20
FEV1	SRC	cg23635789	rs6018091	0.027	0.012	0.027 (0.005, 0.050)	0.017	0.115	0.812	15
FEV1	ACSL1	cg20410192	rs112231838	0.028	0.012	0.028 (0.005, 0.051)	0.017	0.116	0.561	20
FEV1	DDX47	cg14463304	rs11834397	0.041	0.017	0.041 (0.007, 0.075)	0.017	0.117	0.900	18
FEV1	SQSTM1	cg15960580	rs269445	-0.044	0.019	-0.044 (-0.080, -0.008)	0.017	0.117	0.762	20
FEV1	BCL2	cg08223235	rs3810027	0.015	0.006	0.015 (0.003, 0.027)	0.018	0.117	0.088	20
FEV1	BCL2L14	cg01934781	rs2287153	-0.020	0.009	-0.020 (-0.037, -0.004)	0.018	0.117	0.503	20
FEV1	PAFAH1B2	cg10779718	rs4938351	0.006	0.002	0.006 (0.001, 0.010)	0.018	0.118	0.129	20
FEV1	ATP6V1E2	cg26688816	rs11125082	0.006	0.003	0.006 (0.001, 0.011)	0.018	0.118	0.329	20
FEV1	STK24	cg01536299	rs56294784	0.045	0.019	0.045 (0.008, 0.082)	0.018	0.118	0.627	20
FEV1	LYN	cg17806401	rs17812677	-0.026	0.011	-0.026 (-0.048, -0.005)	0.018	0.118	0.346	20
FEV1	UCHL1	cg24715245	rs13119394	0.039	0.016	0.039 (0.007, 0.071)	0.018	0.118	0.044	10
FEV1	PRKCD	cg04981430	rs2306570	-0.013	0.006	-0.013 (-0.025, -0.002)	0.018	0.118	0.258	17
FEV1	USP36	cg10256330	rs11077397	0.015	0.006	0.015 (0.003, 0.028)	0.018	0.119	0.705	20
FEV1	TNFRSF10A	cg22843797	rs13278062	0.014	0.006	0.014 (0.002, 0.026)	0.018	0.119	0.461	20
FEV1	INF2	cg24404909	rs7158194	0.043	0.018	0.043 (0.007, 0.078)	0.018	0.119	0.090	20
FEV1	MAZ	cg27338089	rs1057452	-0.033	0.014	-0.033 (-0.060, -0.006)	0.018	0.119	0.281	20
FEV1	PAFAH1B2	cg20270762	rs4938351	0.012	0.005	0.012 (0.002, 0.022)	0.018	0.120	0.160	20
FEV1	FOXO1	cg23413567	rs9549243	0.024	0.010	0.024 (0.004, 0.044)	0.018	0.120	0.041	20
FEV1	PRKCD	cg03200095	rs2306570	0.017	0.007	0.017 (0.003, 0.031)	0.018	0.120	0.461	17
FEV1	TNFRSF10A	cg24278165	rs13278062	0.016	0.007	0.016 (0.003, 0.029)	0.018	0.120	0.789	20
FEV1	SLC30A9	cg07260532	rs2581454	-0.025	0.011	-0.025 (-0.046, -0.004)	0.019	0.122	0.294	20
FEV1	STK24	cg03461548	rs35368417	0.048	0.021	0.048 (0.008, 0.088)	0.019	0.123	0.533	20

FEV1	GALNS	cg07774081	rs11076715	0.016	0.007	0.016 (0.003, 0.029)	0.019	0.124	0.053	20
FEV1	PTGIS	cg05932408	rs1875563	-0.045	0.019	-0.045 (-0.083, -0.007)	0.019	0.125	0.303	17
FEV1	BCL2L14	cg27366072	rs2287153	-0.028	0.012	-0.028 (-0.051, -0.004)	0.019	0.125	0.579	20
FEV1	WNT4	cg10606730	rs143040561	-0.024	0.010	-0.024 (-0.044, -0.004)	0.020	0.125	0.347	18
FEV1	BCL2L14	cg01175610	rs2287153	-0.028	0.012	-0.028 (-0.052, -0.005)	0.020	0.126	0.485	20
FEV1	SRC	cg01141721	rs6018199	0.018	0.008	0.018 (0.003, 0.034)	0.020	0.126	0.877	18
FEV1	UNC13D	cg22467534	rs56000661	-0.045	0.019	-0.045 (-0.083, -0.007)	0.020	0.126	0.676	20
FEV1	PAFAH1B2	cg01368799	rs10400366	0.007	0.003	0.007 (0.001, 0.012)	0.020	0.126	0.136	20
FEV1	E2F2	cg22040403	rs2742976	-0.006	0.003	-0.006 (-0.011, -0.001)	0.020	0.126	0.112	20
FEV1	NOS3	cg26168651	rs7830	0.025	0.011	0.025 (0.004, 0.046)	0.020	0.126	0.041	20
FEV1	PPARD	cg18204017	rs6939017	0.041	0.018	0.041 (0.007, 0.076)	0.020	0.126	0.404	20
FEV1	GZMB	cg16212145	rs7144366	-0.021	0.009	-0.021 (-0.038, -0.003)	0.020	0.127	0.327	20
FEV1	BMF	cg17809595	rs569539	0.041	0.017	0.041 (0.006, 0.075)	0.020	0.127	0.189	15
FEV1	PPM1F	cg27653384	rs240067	-0.032	0.014	-0.032 (-0.059, -0.005)	0.020	0.128	0.587	20
FEV1	GALNS;TRAPPC2L	cg00073650	rs9889048	-0.017	0.007	-0.017 (-0.032, -0.003)	0.020	0.128	0.042	20
FEV1	PHLDA3	cg00962755	rs12097997	-0.021	0.009	-0.021 (-0.039, -0.003)	0.020	0.128	0.811	20
FEV1	PDCD6	cg09097916	rs7706416	0.046	0.020	0.046 (0.007, 0.084)	0.020	0.128	0.297	20
FEV1	TRAPPC2L;GALNS	cg07364608	rs143200032	-0.028	0.012	-0.028 (-0.051, -0.004)	0.020	0.128	0.054	20
FEV1	MTMR9	cg12981288	rs7008205	-0.029	0.013	-0.029 (-0.054, -0.005)	0.020	0.128	0.137	20
FEV1	IL6R	cg15633035	rs41304552	-0.032	0.014	-0.032 (-0.059, -0.005)	0.021	0.129	0.541	20
FEV1	PIP4K2C	cg05694847	rs11613457	-0.017	0.007	-0.017 (-0.031, -0.003)	0.021	0.129	0.134	20
FEV1	C15orf37;ST20	cg27236825	rs12442712	0.024	0.011	0.024 (0.004, 0.045)	0.021	0.129	0.099	20
FEV1	GNS	cg27476482	rs2620719	0.031	0.013	0.031 (0.005, 0.057)	0.021	0.129	0.164	14
FEV1	PTGDR	cg27131955	rs34968651	0.018	0.008	0.018 (0.003, 0.034)	0.021	0.130	0.975	20
FEV1	PPP3R1	cg19015708	rs6750215	-0.014	0.006	-0.014 (-0.026, -0.002)	0.021	0.130	0.939	15
FEV1	FNIP2	cg05539369	rs13123982	-0.046	0.020	-0.046 (-0.085, -0.007)	0.021	0.130	0.599	11
FEV1	CDK5R1	cg22322863	rs62062462	0.031	0.014	0.031 (0.005, 0.058)	0.021	0.130	0.253	20
FEV1	ST20	cg18753337	rs34847355	0.006	0.002	0.006 (0.001, 0.011)	0.021	0.131	0.018	20
FEV1	PPM1F	cg10081899	rs12167687	-0.027	0.012	-0.027 (-0.049, -0.004)	0.021	0.131	0.587	20
FEV1	KIT	cg18836493	rs981959	-0.015	0.007	-0.015 (-0.028, -0.002)	0.021	0.131	0.270	20
FEV1	SLC40A1	cg15599483	rs12693542	-0.030	0.013	-0.030 (-0.056, -0.004)	0.021	0.131	0.893	20
FEV1	PEBP1	cg16572268	rs904661	0.016	0.007	0.016 (0.002, 0.030)	0.021	0.131	0.043	20
FEV1	UNC13D	cg01430390	rs2410859	-0.012	0.005	-0.012 (-0.022, -0.002)	0.021	0.131	0.472	20
FEV1	UNC13D	cg15177359	rs3744021	0.044	0.019	0.044 (0.006, 0.081)	0.022	0.132	0.955	20
FEV1	USP36	cg07385573	rs3826552	0.019	0.008	0.019 (0.003, 0.034)	0.022	0.133	0.685	20
FEV1	MT3	cg09372728	rs1827207	0.040	0.017	0.040 (0.006, 0.074)	0.022	0.133	0.517	9
FEV1	BCL2	cg23756272	rs3810027	-0.031	0.014	-0.031 (-0.057, -0.005)	0.022	0.133	0.093	12
FEV1	C15orf37;ST20	cg11970192	rs34847355	-0.012	0.005	-0.012 (-0.021, -0.002)	0.022	0.133	0.185	20
FEV1	INF2	cg01836137	rs56121689	-0.016	0.007	-0.016 (-0.030, -0.002)	0.022	0.133	0.037	20
FEV1	YWHAE	cg23643343	rs28365859	-0.024	0.011	-0.024 (-0.045, -0.004)	0.022	0.133	0.040	20
FEV1	FNIP2	cg05615763	rs34033556	-0.019	0.008	-0.019 (-0.035, -0.003)	0.022	0.133	0.225	20
FEV1	STK25	cg09289202	rs6757649	0.005	0.002	0.005 (0.001, 0.009)	0.022	0.133	0.032	20

FEV1	LYN	cg21301224	rs17812677	-0.037	0.016	-0.037 (-0.068, -0.005)	0.022	0.134	0.372	20
FEV1	USP10	cg01647942	rs7197496	-0.014	0.006	-0.014 (-0.026, -0.002)	0.022	0.134	0.217	20
FEV1	PAFAH1B2	cg21014238	rs2735181	0.009	0.004	0.009 (0.001, 0.016)	0.022	0.135	0.072	20
FEV1	INF2	cg05210373	rs4247032	0.026	0.011	0.026 (0.004, 0.048)	0.022	0.135	0.014	20
FEV1	FOXK1	cg00064840	rs7784748	-0.010	0.005	-0.010 (-0.019, -0.001)	0.023	0.136	0.690	14
FEV1	GAB2	cg24769381	rs10899482	0.005	0.002	0.005 (0.001, 0.010)	0.023	0.136	0.594	20
FEV1	COL2A1	cg12235144	rs6580649	-0.030	0.013	-0.030 (-0.056, -0.004)	0.023	0.136	0.157	20
FEV1	ARSB	cg11837534	rs337853	-0.037	0.016	-0.037 (-0.068, -0.005)	0.023	0.136	0.042	19
FEV1	FOXK1	cg13287553	rs7784748	-0.012	0.005	-0.012 (-0.022, -0.002)	0.023	0.136	0.553	14
FEV1	FOXK1	cg10118545	rs7784748	-0.012	0.005	-0.012 (-0.023, -0.002)	0.023	0.137	0.586	13
FEV1	CSNK2A1	cg07511836	rs459710	-0.012	0.005	-0.012 (-0.022, -0.002)	0.023	0.137	0.982	20
FEV1	MAP3K5	cg24999105	rs932589	-0.012	0.005	-0.012 (-0.023, -0.002)	0.023	0.137	0.668	20
FEV1	MUC1	cg18804777	rs6694256	-0.021	0.009	-0.021 (-0.039, -0.003)	0.023	0.137	0.212	17
FEV1	FOXK1	cg06846441	rs3087749	0.018	0.008	0.018 (0.002, 0.033)	0.023	0.138	0.739	12
FEV1	CSNK2A2	cg06640533	rs113103741	0.030	0.013	0.030 (0.004, 0.056)	0.024	0.140	0.501	20
FEV1	P2RX7	cg22867729	rs11065472	-0.039	0.017	-0.039 (-0.072, -0.005)	0.024	0.140	0.851	16
FEV1	CSNK2A2	cg07377098	rs112480836	-0.030	0.013	-0.030 (-0.056, -0.004)	0.024	0.140	0.269	20
FEV1	IFNGR2	cg14850771	rs9978223	-0.008	0.003	-0.008 (-0.014, -0.001)	0.024	0.141	0.312	20
FEV1	LGALS8	cg06118122	rs2758168	-0.034	0.015	-0.034 (-0.064, -0.004)	0.024	0.141	0.666	20
FEV1	YWHAB	cg10774185	rs7265519	-0.039	0.017	-0.039 (-0.074, -0.005)	0.024	0.142	0.238	8
FEV1	TP73	cg17986341	rs1745813	-0.025	0.011	-0.025 (-0.046, -0.003)	0.024	0.142	0.189	14
FEV1	UNC13D	cg14715778	rs2410859	0.024	0.011	0.024 (0.003, 0.045)	0.024	0.142	0.695	20
FEV1	IFI27	cg23038560	rs7141881	0.019	0.008	0.019 (0.002, 0.036)	0.024	0.142	0.202	20
FEV1	FOXK2	cg24220178	rs9914081	-0.013	0.006	-0.013 (-0.025, -0.002)	0.024	0.143	0.157	20
FEV1	PHLDA3	cg18569595	rs11590527	-0.017	0.008	-0.017 (-0.032, -0.002)	0.024	0.143	0.396	20
FEV1	PPT2;PRRT1	cg01111041	rs417035	-0.039	0.018	-0.039 (-0.074, -0.005)	0.025	0.143	0.057	20
FEV1	LAPTM5	cg24459792	rs12137058	-0.029	0.013	-0.029 (-0.054, -0.004)	0.025	0.143	0.116	12
FEV1	MMP9	cg23303369	rs3918256	0.007	0.003	0.007 (0.001, 0.014)	0.025	0.144	0.744	20
FEV1	MMP9	cg20674635	rs3918256	0.009	0.004	0.009 (0.001, 0.017)	0.025	0.145	0.835	20
FEV1	SRC	cg12807924	rs56257628	0.009	0.004	0.009 (0.001, 0.017)	0.025	0.145	0.712	20
FEV1	LGALS8	cg14252149	rs2254823	0.004	0.002	0.004 (0.001, 0.008)	0.025	0.145	0.542	20
FEV1	UNC13D	cg23891399	rs7210574	-0.006	0.003	-0.006 (-0.011, -0.001)	0.025	0.145	0.185	20
FEV1	UNC13D	cg12407791	rs7210574	-0.006	0.002	-0.006 (-0.010, -0.001)	0.025	0.145	0.178	20
FEV1	UNC13D	cg07010633	rs7210574	-0.006	0.003	-0.006 (-0.011, -0.001)	0.025	0.145	0.189	20
FEV1	CSNK2A2	cg15508020	rs1875523	0.042	0.019	0.042 (0.005, 0.079)	0.025	0.145	0.120	20
FEV1	LGALS8	cg01809927	rs1160	0.007	0.003	0.007 (0.001, 0.012)	0.025	0.145	0.426	20
FEV1	UNC13D	cg23470227	rs7210574	-0.006	0.003	-0.006 (-0.012, -0.001)	0.025	0.145	0.179	20
FEV1	UNC13D	cg02627403	rs7210574	-0.007	0.003	-0.007 (-0.013, -0.001)	0.025	0.145	0.145	20
FEV1	MMP9	cg04145601	rs3918253	0.012	0.005	0.012 (0.001, 0.022)	0.025	0.146	0.767	20
FEV1	MMP9	cg26132320	rs3918256	0.013	0.006	0.013 (0.002, 0.024)	0.026	0.146	0.839	20
FEV1	CSNK2A1	cg26292976	rs459710	-0.023	0.010	-0.023 (-0.043, -0.003)	0.026	0.146	0.936	20
FEV1	TCIRG1	cg18456140	rs3808973	-0.012	0.005	-0.012 (-0.022, -0.001)	0.026	0.146	0.546	20

FEV1	DEF8	cg03721293	rs78517194	0.014	0.006	0.014 (0.002, 0.026)	0.026	0.147	0.199	20
FEV1	UNC13D	cg16354117	rs11870883	0.014	0.006	0.014 (0.002, 0.027)	0.026	0.147	0.198	20
FEV1	ARRB2	cg16472369	rs7210953	-0.017	0.008	-0.017 (-0.032, -0.002)	0.026	0.147	0.983	20
FEV1	LGALS8	cg22596738	rs2758991	0.036	0.016	0.036 (0.004, 0.068)	0.026	0.147	0.932	20
FEV1	E2F2	cg24254937	rs11591199	-0.022	0.010	-0.022 (-0.041, -0.003)	0.026	0.148	0.696	20
FEV1	TMEM14A	cg19083670	rs1000810	-0.043	0.019	-0.043 (-0.081, -0.005)	0.026	0.148	0.417	16
FEV1	HIPK2	cg03202545	rs10954654	0.033	0.015	0.033 (0.004, 0.061)	0.026	0.148	0.056	15
FEV1	MMP9	cg04656101	rs3918253	0.017	0.007	0.017 (0.002, 0.031)	0.026	0.149	0.506	20
FEV1	ARRB2	cg19197139	rs34230287	0.007	0.003	0.007 (0.001, 0.012)	0.027	0.149	0.802	20
FEV1	TP73	cg25352980	rs3765770	-0.025	0.011	-0.025 (-0.047, -0.003)	0.027	0.149	0.718	10
FEV1	BMF	cg02313495	rs539846	0.005	0.002	0.005 (0.001, 0.009)	0.027	0.149	0.204	20
FEV1	ARRB2	cg00122941	rs34230287	0.008	0.004	0.008 (0.001, 0.015)	0.027	0.150	0.829	20
FEV1	DEF8	cg04752812	rs78517194	0.018	0.008	0.018 (0.002, 0.034)	0.027	0.150	0.174	20
FEV1	FOXK2	cg21093005	rs9914081	-0.019	0.009	-0.019 (-0.036, -0.002)	0.027	0.150	0.136	20
FEV1	UNC13D	cg17075258	rs7210574	-0.017	0.007	-0.017 (-0.031, -0.002)	0.027	0.151	0.079	20
FEV1	PIK3R1	cg24797508	rs67913607	-0.034	0.015	-0.034 (-0.064, -0.004)	0.027	0.151	0.720	15
FEV1	HIP1	cg07928105	rs13223616	-0.031	0.014	-0.031 (-0.058, -0.003)	0.027	0.151	0.833	16
FEV1	DDIT3	cg08984436	rs536957166	-0.023	0.011	-0.023 (-0.044, -0.002)	0.028	0.156	0.223	12
FEV1	FOXK2	cg08848988	rs3794713	-0.017	0.008	-0.017 (-0.033, -0.002)	0.028	0.156	0.769	20
FEV1	MET	cg25299676	rs38840	0.014	0.006	0.014 (0.001, 0.026)	0.029	0.157	0.294	20
FEV1	CTTN	cg12127706	rs12800598	0.008	0.004	0.008 (0.001, 0.015)	0.029	0.158	0.014	20
FEV1	KIF1B	cg23716690	rs12127553	0.012	0.005	0.012 (0.001, 0.022)	0.029	0.158	0.048	20
FEV1	TPCN2	cg23247191	rs657157	0.044	0.020	0.044 (0.005, 0.083)	0.029	0.158	0.062	20
FEV1	LTBR	cg26306994	rs4020660	0.024	0.011	0.024 (0.003, 0.046)	0.029	0.158	0.013	14
FEV1	CTTN	cg16629523	rs12800598	0.009	0.004	0.009 (0.001, 0.016)	0.029	0.158	0.022	20
FEV1	PAFAH1B2	cg10398005	rs2735181	-0.032	0.014	-0.032 (-0.060, -0.003)	0.029	0.158	0.185	20
FEV1	PIK3R1	cg09101894	rs67913607	-0.038	0.017	-0.038 (-0.072, -0.004)	0.029	0.158	0.702	17
FEV1	FOXK1	cg06287775	rs7781115	-0.026	0.012	-0.026 (-0.048, -0.003)	0.029	0.158	0.739	9
FEV1	GAB2	cg26672202	rs1385601	-0.008	0.004	-0.008 (-0.015, -0.001)	0.029	0.159	0.219	20
FEV1	MAP2K5	cg01362115	rs12593640	0.016	0.007	0.016 (0.002, 0.030)	0.029	0.160	0.682	20
FEV1	FOXK2	cg26986438	rs9914081	-0.024	0.011	-0.024 (-0.046, -0.002)	0.030	0.161	0.080	16
FEV1	GATA4	cg12395012	rs3735814	0.005	0.002	0.005 (0.001, 0.010)	0.030	0.161	0.067	20
FEV1	CTSC	cg15581365	rs1451615	-0.038	0.018	-0.038 (-0.073, -0.004)	0.030	0.162	0.973	8
FEV1	AP3B2	cg27279991	rs7163848	-0.026	0.012	-0.026 (-0.050, -0.003)	0.030	0.162	0.052	20
FEV1	SLC11A2	cg22789605	rs829022	-0.013	0.006	-0.013 (-0.026, -0.001)	0.030	0.163	0.381	20
FEV1	TP73	cg24356964	rs3765770	0.035	0.016	0.035 (0.003, 0.066)	0.031	0.164	0.824	8
FEV1	WWOX	cg08748098	rs9940608	0.014	0.007	0.014 (0.001, 0.027)	0.031	0.164	0.355	20
FEV1	AIFM2	cg25502086	rs28391623	-0.008	0.004	-0.008 (-0.016, -0.001)	0.031	0.164	0.078	20
FEV1	CPLX2	cg19649083	rs6556253	-0.014	0.007	-0.014 (-0.027, -0.001)	0.031	0.166	0.135	20
FEV1	AP3B2	cg20592391	rs7163848	0.029	0.013	0.029 (0.003, 0.054)	0.031	0.166	0.017	20
FEV1	LAPTM5	cg17418085	rs34854980	-0.033	0.015	-0.033 (-0.063, -0.003)	0.031	0.166	0.043	15
FEV1	MYH14	cg00919509	rs7249871	-0.027	0.012	-0.027 (-0.051, -0.002)	0.031	0.167	0.625	8

FEV1	RHOT2;WDR90	cg05135288	rs11865749	-0.012	0.006	-0.012 (-0.023, -0.001)	0.031	0.167	0.176	20
FEV1	MAP3K5	cg02673417	rs932589	-0.035	0.016	-0.035 (-0.066, -0.003)	0.032	0.167	0.739	20
FEV1	TP73	cg05116756	rs35837097	-0.025	0.012	-0.025 (-0.048, -0.002)	0.032	0.167	0.044	15
FEV1	CTTN	cg24395117	rs4367974	-0.038	0.018	-0.038 (-0.072, -0.003)	0.032	0.167	0.236	15
FEV1	MAPK7	cg13832201	rs7501702	-0.030	0.014	-0.030 (-0.058, -0.003)	0.032	0.167	0.616	20
FEV1	ATG5	cg04389950	rs11961415	-0.038	0.018	-0.038 (-0.074, -0.003)	0.032	0.168	0.796	11
FEV1	ITPRIP	cg27365978	rs34349230	0.010	0.005	0.010 (0.001, 0.020)	0.032	0.169	0.848	20
FEV1	AP1G1	cg13701124	rs35981926	-0.034	0.016	-0.034 (-0.065, -0.003)	0.032	0.169	0.041	20
FEV1	MUL1	cg09858435	rs595980	-0.031	0.015	-0.031 (-0.060, -0.003)	0.032	0.170	0.012	20
FEV1	SLC40A1	cg14499385	rs3811621	-0.011	0.005	-0.011 (-0.021, -0.001)	0.033	0.171	0.836	20
FEV1	CDH1	cg08616585	rs8059194	0.026	0.012	0.026 (0.002, 0.050)	0.033	0.171	0.878	20
FEV1	BIK	cg13934236	rs909666	-0.027	0.013	-0.027 (-0.052, -0.002)	0.033	0.171	0.626	20
FEV1	RHOT2	cg08024847	rs11865749	0.019	0.009	0.019 (0.002, 0.036)	0.033	0.173	0.205	20
FEV1	CDK5R1	cg07437263	rs3814984	0.008	0.004	0.008 (0.001, 0.015)	0.034	0.175	0.403	20
FEV1	HIP1	cg23657377	rs10230553	-0.026	0.012	-0.026 (-0.050, -0.002)	0.034	0.175	0.443	17
FEV1	ITPRIP	cg02682924	rs34349230	-0.018	0.008	-0.018 (-0.034, -0.001)	0.034	0.176	0.841	20
FEV1	AIFM2	cg18061319	rs15801	-0.009	0.004	-0.009 (-0.017, -0.001)	0.034	0.176	0.066	20
FEV1	TRIM65	cg25176883	rs3744027	0.039	0.018	0.039 (0.003, 0.075)	0.034	0.177	0.787	13
FEV1	KIT	cg19041419	rs7684000	-0.030	0.014	-0.030 (-0.058, -0.002)	0.034	0.177	0.156	20
FEV1	GAB2	cg07780377	rs10793302	0.026	0.012	0.026 (0.002, 0.050)	0.034	0.177	0.430	20
FEV1	AIFM2	cg15779600	rs15801	-0.012	0.006	-0.012 (-0.022, -0.001)	0.035	0.177	0.098	20
FEV1	BCL2L14	cg20481287	rs4763774	-0.007	0.003	-0.007 (-0.014, -0.001)	0.035	0.178	0.111	20
FEV1	CTTN	cg17631184	rs34053053	0.039	0.018	0.039 (0.003, 0.074)	0.035	0.178	0.084	17
FEV1	IDUA	cg14652403	rs3733345	-0.015	0.007	-0.015 (-0.030, -0.001)	0.035	0.178	0.578	20
FEV1	ENO1	cg13785123	rs2274971	0.010	0.005	0.010 (0.001, 0.020)	0.035	0.178	0.387	20
FEV1	PPM1F	cg24533864	rs76341067	-0.027	0.013	-0.027 (-0.053, -0.002)	0.035	0.178	0.645	20
FEV1	SRC	cg08553950	rs56257628	-0.038	0.018	-0.038 (-0.073, -0.003)	0.035	0.178	0.443	7
FEV1	UNC5B	cg04269057	rs827276	-0.036	0.017	-0.036 (-0.069, -0.003)	0.035	0.178	0.575	20
FEV1	CLTA	cg13630493	rs13287406	0.026	0.013	0.026 (0.002, 0.051)	0.035	0.178	0.386	19
FEV1	FOXK2	cg21909206	rs3794713	-0.035	0.017	-0.035 (-0.067, -0.002)	0.035	0.178	0.911	12
FEV1	FOXK2	cg27450688	rs3794713	-0.035	0.017	-0.035 (-0.068, -0.002)	0.035	0.178	0.917	16
FEV1	ALOX15	cg05715138	rs34230287	0.033	0.015	0.033 (0.002, 0.063)	0.035	0.178	0.908	18
FEV1	BCL2	cg23707289	rs1801018	0.013	0.006	0.013 (0.001, 0.025)	0.035	0.178	0.197	20
FEV1	ARSB	cg13121490	rs516908	-0.025	0.012	-0.025 (-0.048, -0.002)	0.035	0.178	0.893	20
FEV1	AP1S3	cg03341091	rs28631964	0.025	0.012	0.025 (0.002, 0.048)	0.035	0.179	0.633	20
FEV1	COL2A1	cg05342945	rs6580647	0.023	0.011	0.023 (0.002, 0.044)	0.035	0.179	0.149	20
FEV1	PPIA	cg26307266	rs73102131	-0.016	0.008	-0.016 (-0.032, -0.001)	0.036	0.180	0.116	20
FEV1	STK24	cg03701759	rs7317938	-0.016	0.008	-0.016 (-0.031, -0.001)	0.036	0.181	0.297	20
FEV1	IKBKE	cg11166312	rs2151222	-0.012	0.006	-0.012 (-0.023, -0.001)	0.036	0.181	0.842	20
FEV1	SIAH2	cg07663535	rs75942495	0.019	0.009	0.019 (0.001, 0.037)	0.036	0.181	0.845	12
FEV1	BMF	cg07887985	rs539846	0.034	0.016	0.034 (0.002, 0.066)	0.036	0.181	0.181	9
FEV1	SNAI1	cg22815953	rs6095726	0.027	0.013	0.027 (0.002, 0.052)	0.036	0.181	0.672	20

FEV1	HRAS	cg06143971	rs45558638	0.010	0.005	0.010 (0.001, 0.018)	0.037	0.183	0.391	20
FEV1	CLU	cg18931633	rs73231005	-0.025	0.012	-0.025 (-0.048, -0.002)	0.037	0.183	0.044	20
FEV1	FDX1	cg09762563	rs4754450	0.020	0.010	0.020 (0.001, 0.040)	0.037	0.184	0.053	20
FEV1	DAPK1	cg13752933	rs3758308	-0.029	0.014	-0.029 (-0.056, -0.002)	0.037	0.184	0.466	20
FEV1	CX3CL1	cg15195412	rs11644148	0.028	0.013	0.028 (0.002, 0.054)	0.037	0.184	0.085	20
FEV1	CSNK2A1	cg23481873	rs189975	-0.033	0.016	-0.033 (-0.063, -0.002)	0.037	0.185	0.787	14
FEV1	GAB2	cg12700464	rs10899492	0.041	0.020	0.041 (0.002, 0.079)	0.037	0.185	0.561	20
FEV1	PPIA	cg26194633	rs11984372	-0.037	0.018	-0.037 (-0.072, -0.002)	0.038	0.186	0.124	11
FEV1	LGMN	cg23547892	rs2402189	0.008	0.004	0.008 (0.000, 0.015)	0.038	0.186	0.376	20
FEV1	RHOT2;WDR90	cg02814289	rs11865749	-0.030	0.014	-0.030 (-0.058, -0.002)	0.038	0.186	0.280	20
FEV1	LGMN	cg17319795	rs2402189	0.010	0.005	0.010 (0.001, 0.019)	0.038	0.187	0.258	20
FEV1	ARRB2	cg02286380	rs28365158	-0.006	0.003	-0.006 (-0.011, -0.000)	0.038	0.188	0.976	20
FEV1	ENTPD4	cg09238382	rs10108137	-0.007	0.004	-0.007 (-0.014, -0.000)	0.038	0.188	0.317	20
FEV1	MAPK9	cg03605361	rs17628029	0.032	0.016	0.032 (0.002, 0.063)	0.038	0.188	0.838	20
FEV1	STAT5B	cg19465320	rs9889323	0.022	0.010	0.022 (0.001, 0.042)	0.038	0.188	0.328	20
FEV1	SNAI1	cg23100428	rs6020170	-0.031	0.015	-0.031 (-0.060, -0.002)	0.038	0.188	0.396	18
FEV1	ARRB2	cg07971820	rs28365158	-0.007	0.003	-0.007 (-0.013, -0.000)	0.038	0.188	0.972	20
FEV1	USP36	cg20126656	rs3088040	0.012	0.006	0.012 (0.001, 0.024)	0.039	0.189	0.507	20
FEV1	MMP9	cg17664577	rs35567443	0.014	0.007	0.014 (0.001, 0.026)	0.039	0.190	0.729	20
FEV1	COL2A1	cg18990042	rs3803183	0.024	0.012	0.024 (0.001, 0.047)	0.039	0.190	0.089	20
FEV1	BLK	cg13440894	rs9693589	0.032	0.016	0.032 (0.002, 0.063)	0.039	0.191	0.028	18
FEV1	CD164	cg12940558	rs151316962	-0.016	0.008	-0.016 (-0.031, -0.001)	0.039	0.191	0.065	15
FEV1	MMP9	cg00182727	rs35567443	0.015	0.007	0.015 (0.001, 0.029)	0.039	0.191	0.570	20
FEV1	USP36	cg00945209	rs3744800	0.016	0.008	0.016 (0.001, 0.031)	0.040	0.192	0.696	20
FEV1	ITPRIP	cg22882506	rs7095770	0.013	0.007	0.013 (0.001, 0.026)	0.040	0.192	0.761	20
FEV1	GAB2	cg13226797	rs2063730	0.032	0.016	0.032 (0.002, 0.063)	0.040	0.192	0.740	20
FEV1	COL2A1	cg17342302	rs7132668	-0.026	0.013	-0.026 (-0.051, -0.001)	0.040	0.192	0.999	20
FEV1	HEXB	cg21230774	rs820871	0.014	0.007	0.014 (0.001, 0.027)	0.040	0.192	0.950	20
FEV1	HRAS;LRRC56	cg22174486	rs4963175	-0.014	0.007	-0.014 (-0.028, -0.001)	0.040	0.193	0.476	20
FEV1	MAP3K5	cg21506299	rs1022690	-0.017	0.008	-0.017 (-0.033, -0.001)	0.040	0.194	0.721	20
FEV1	TRIM65	cg26780705	rs58587945	-0.030	0.015	-0.030 (-0.060, -0.001)	0.040	0.195	0.293	20
FEV1	USP36	cg19024575	rs9900681	0.036	0.017	0.036 (0.002, 0.070)	0.041	0.196	0.401	20
FEV1	TERT	cg27298526	rs11133695	-0.019	0.009	-0.019 (-0.038, -0.001)	0.041	0.198	0.169	20
FEV1	PRKAA2	cg09935045	rs13374924	-0.007	0.003	-0.007 (-0.013, -0.000)	0.041	0.199	0.470	20
FEV1	AHRR;PDCD6	cg17989581	rs1574220	0.018	0.009	0.018 (0.001, 0.036)	0.042	0.199	0.469	20
FEV1	CLU	cg03735511	rs9331888	0.020	0.010	0.020 (0.001, 0.039)	0.042	0.199	0.265	17
FEV1	IDUA;SLC26A1	cg21616051	rs3822020	-0.007	0.004	-0.007 (-0.014, -0.000)	0.042	0.199	0.156	20
FEV1	JAK2	cg13568515	rs57204002	0.005	0.002	0.005 (0.000, 0.009)	0.042	0.199	0.963	20
FEV1	JAK2	cg02405213	rs7046077	0.004	0.002	0.004 (0.000, 0.008)	0.042	0.199	0.987	20
FEV1	IDUA;SLC26A1	cg15058036	rs11936407	0.036	0.018	0.036 (0.001, 0.071)	0.042	0.199	0.108	20
FEV1	PTGIS	cg11746287	rs493694	-0.022	0.011	-0.022 (-0.044, -0.001)	0.042	0.199	0.243	20
FEV1	AGA	cg07155684	rs11131803	0.018	0.009	0.018 (0.001, 0.036)	0.042	0.201	0.833	20

FEV1	PERP	cg24884985	rs72984647	0.005	0.002	0.005 (0.000, 0.010)	0.042	0.201	0.371	20
FEV1	USP36	cg24759654	rs2279308	0.024	0.012	0.024 (0.001, 0.047)	0.043	0.201	0.383	20
FEV1	AIFM2	cg02308884	rs2394643	-0.015	0.007	-0.015 (-0.029, -0.000)	0.043	0.203	0.136	20
FEV1	STXBP1	cg13673290	rs55917256	-0.021	0.010	-0.021 (-0.041, -0.001)	0.043	0.203	0.286	18
FEV1	PPP3R1	cg14414124	rs62143871	-0.025	0.012	-0.025 (-0.050, -0.001)	0.043	0.203	0.141	20
FEV1	DAPK2	cg06904649	rs7162147	-0.026	0.013	-0.026 (-0.051, -0.001)	0.044	0.204	0.858	20
FEV1	TRIML2	cg17565478	rs78668658	0.032	0.016	0.032 (0.001, 0.064)	0.044	0.204	0.137	14
FEV1	SLC26A1;IDUA	cg11629380	rs11936407	0.039	0.019	0.039 (0.001, 0.078)	0.044	0.205	0.549	20
FEV1	NUBPL	cg18962786	rs12891119	-0.029	0.015	-0.029 (-0.058, -0.001)	0.044	0.205	0.869	18
FEV1	USP36	cg01449677	rs3744799	0.027	0.013	0.027 (0.001, 0.053)	0.044	0.205	0.384	20
FEV1	STAT5B	cg18810026	rs62076928	-0.016	0.008	-0.016 (-0.032, -0.000)	0.044	0.206	0.649	20
FEV1	ENTPD4	cg02151632	rs60942280	-0.006	0.003	-0.006 (-0.012, -0.000)	0.044	0.206	0.300	20
FEV1	NCK2	cg14131038	rs73946288	0.011	0.006	0.011 (0.000, 0.023)	0.044	0.206	0.636	20
FEV1	DAPK2	cg24729988	rs12902972	-0.028	0.014	-0.028 (-0.055, -0.001)	0.045	0.206	0.443	20
FEV1	DAXX	cg14910283	rs3130018	0.035	0.018	0.035 (0.001, 0.070)	0.045	0.207	0.185	13
FEV1	C15orf37;ST20	cg01351869	rs2865825	-0.031	0.016	-0.031 (-0.062, -0.001)	0.045	0.207	0.076	13
FEV1	STAT5A	cg20388732	rs11079041	-0.018	0.009	-0.018 (-0.036, -0.000)	0.045	0.207	0.271	20
FEV1	STAT3	cg05487134	rs4796793	0.019	0.009	0.019 (0.000, 0.037)	0.045	0.209	0.210	20
FEV1	ELANE	cg02487452	rs3761008	0.016	0.008	0.016 (0.000, 0.032)	0.045	0.209	0.380	13
FEV1	KIF25	cg03662475	rs2636354	-0.033	0.016	-0.033 (-0.065, -0.001)	0.045	0.209	0.075	20
FEV1	MAP3K5	cg10599345	rs1474988	0.006	0.003	0.006 (0.000, 0.012)	0.046	0.209	0.318	20
FEV1	ASAH1	cg18067069	rs7824280	-0.006	0.003	-0.006 (-0.012, -0.000)	0.046	0.209	0.012	20
FEV1	CLN5	cg04565255	rs640618	-0.007	0.003	-0.007 (-0.013, -0.000)	0.046	0.209	0.130	20
FEV1	GSDMA	cg19422138	rs8065244	0.028	0.014	0.028 (0.001, 0.056)	0.046	0.209	0.062	20
FEV1	COL2A1	cg19066141	rs1635528	0.018	0.009	0.018 (0.000, 0.037)	0.046	0.209	0.655	20
FEV1	CD44	cg16344511	rs9666607	-0.012	0.006	-0.012 (-0.024, -0.000)	0.047	0.212	0.215	20
FEV1	RBCK1	cg13812132	rs6139114	-0.019	0.010	-0.019 (-0.039, -0.000)	0.047	0.212	0.810	20
FEV1	NR4A2	cg02964555	rs295807	0.027	0.013	0.027 (0.000, 0.053)	0.047	0.212	0.337	20
FEV1	CSNK2A1	cg07789225	rs157816	-0.037	0.019	-0.037 (-0.073, -0.000)	0.047	0.212	0.216	20
FEV1	EXOC4	cg25467879	rs7457999	0.022	0.011	0.022 (0.000, 0.044)	0.047	0.213	0.243	20
FEV1	STAT5A	cg03001305	rs34129849	0.023	0.012	0.023 (0.000, 0.046)	0.047	0.213	0.126	20
FEV1	AP3B2	cg18253757	rs4513065	0.035	0.018	0.035 (0.000, 0.070)	0.048	0.214	0.112	20
FEV1	GBA	cg02834765	rs2075566	0.024	0.012	0.024 (0.000, 0.048)	0.048	0.214	0.023	20
FEV1	NLRC4	cg22713339	rs138116467	0.012	0.006	0.012 (0.000, 0.023)	0.048	0.214	0.501	17
FEV1	STAT5A	cg06357561	rs34129849	0.025	0.013	0.025 (0.000, 0.050)	0.048	0.215	0.294	20
FEV1	ENO1	cg12711814	rs2038904	0.024	0.012	0.024 (0.000, 0.048)	0.048	0.215	0.639	20
FEV1	USP36	cg23797032	rs3744801	0.035	0.018	0.035 (0.000, 0.069)	0.048	0.216	0.339	20
FEV1	WIPI2	cg15277378	rs62441954	0.016	0.008	0.016 (0.000, 0.032)	0.049	0.216	0.375	20
FEV1	HIF1A	cg04509825	rs10129270	0.023	0.011	0.023 (0.000, 0.045)	0.049	0.216	0.126	20
FEV1	ERN1	cg14603886	rs2331413	-0.031	0.016	-0.031 (-0.061, -0.000)	0.049	0.217	0.051	5
FEV1	RPTOR	cg01432609	rs62068339	0.033	0.017	0.033 (0.000, 0.066)	0.049	0.217	0.263	20
FEV1	CLNK	cg03485217	rs35062675	0.018	0.009	0.018 (0.000, 0.036)	0.049	0.217	0.929	20

FEV1	JAK1	cg22945413	rs61786113	0.011	0.006	0.011 (0.000, 0.022)	0.049	0.218	0.092	20
FEV1	ELANE	cg21586152	rs3761008	0.025	0.013	0.025 (0.000, 0.051)	0.049	0.218	0.663	7
FEV1	SNORD71;AP1G1	cg05708656	rs8052489	-0.036	0.018	-0.036 (-0.071, -0.000)	0.050	0.218	0.217	20
FEV1	MET	cg27472701	rs38849	-0.028	0.014	-0.028 (-0.055, -0.000)	0.050	0.218	0.319	20
FEV1	TGFB1	cg20748073	rs16958999	-0.020	0.010	-0.020 (-0.039, -0.000)	0.050	0.219	0.040	20
FEV1/FVC	TRIM27	cg03270340	rs3129794	0.030	0.004	0.030 (0.023, 0.037)	2.40E-16	1.79E-13	0.030	20
FEV1/FVC	PCGF2	cg02433498	rs68075021	0.097	0.014	0.097 (0.069, 0.125)	8.11E-12	2.54E-09	0.104	20
FEV1/FVC	GAB2	cg24769381	rs10899482	0.015	0.002	0.015 (0.011, 0.020)	1.55E-11	4.38E-09	0.462	20
FEV1/FVC	PCGF2	cg18896448	rs34727469	0.118	0.019	0.118 (0.080, 0.157)	1.19E-09	2.45E-07	0.109	20
FEV1/FVC	GAB2	cg26672202	rs1385601	-0.023	0.004	-0.023 (-0.030, -0.015)	2.16E-09	3.88E-07	0.014	20
FEV1/FVC	SFRP2	cg23207990	rs58256618	0.049	0.008	0.049 (0.032, 0.065)	5.43E-09	8.61E-07	0.323	20
FEV1/FVC	SFRP2	cg23121156	rs58256618	0.056	0.010	0.056 (0.037, 0.076)	1.58E-08	2.29E-06	0.140	20
FEV1/FVC	ATP6V0D1;AGRP	cg07871059	rs4360931	-0.103	0.019	-0.103 (-0.140, -0.067)	3.08E-08	4.27E-06	0.413	20
FEV1/FVC	ATP13A2	cg16027378	rs2235930	0.190	0.036	0.190 (0.120, 0.260)	1.10E-07	1.36E-05	0.077	20
FEV1/FVC	ERBB3	cg23731805	rs705696	0.044	0.008	0.044 (0.028, 0.060)	1.15E-07	1.40E-05	0.735	20
FEV1/FVC	EP300	cg20730595	rs9607779	0.039	0.008	0.039 (0.025, 0.054)	1.66E-07	1.94E-05	0.012	20
FEV1/FVC	NEU1	cg27645345	rs116312062	0.233	0.045	0.233 (0.145, 0.321)	1.89E-07	2.16E-05	0.094	20
FEV1/FVC	ERBB3	cg10869879	rs4759229	0.047	0.009	0.047 (0.029, 0.065)	1.95E-07	2.19E-05	0.589	20
FEV1/FVC	SFRP2	cg09788843	rs56413502	-0.063	0.012	-0.063 (-0.086, -0.039)	2.14E-07	2.36E-05	0.254	20
FEV1/FVC	SFRP2	cg13357229	rs41320045	-0.063	0.012	-0.063 (-0.088, -0.039)	2.37E-07	2.51E-05	0.062	20
FEV1/FVC	SFRP2	cg05241277	rs1105495	-0.075	0.015	-0.075 (-0.104, -0.046)	3.20E-07	3.28E-05	0.811	20
FEV1/FVC	GAB2	cg07780377	rs10793302	0.079	0.016	0.079 (0.049, 0.110)	3.40E-07	3.37E-05	0.523	20
FEV1/FVC	SFRP2	cg24241928	rs62325115	-0.051	0.010	-0.051 (-0.071, -0.031)	3.60E-07	3.51E-05	0.281	20
FEV1/FVC	SFRP2	cg20727217	rs1020704	-0.077	0.015	-0.077 (-0.107, -0.047)	4.68E-07	4.35E-05	0.513	20
FEV1/FVC	SFRP2	cg14435644	rs56413502	-0.071	0.014	-0.071 (-0.099, -0.043)	6.04E-07	5.28E-05	0.077	20
FEV1/FVC	WDR41	cg26820915	rs6877537	-0.012	0.002	-0.012 (-0.017, -0.007)	6.29E-07	5.35E-05	0.034	20
FEV1/FVC	NEU1	cg13634177	rs3130455	0.173	0.035	0.173 (0.105, 0.241)	7.17E-07	5.84E-05	0.028	20
FEV1/FVC	SFRP2	cg23502475	rs4585278	-0.067	0.013	-0.067 (-0.093, -0.040)	7.10E-07	5.84E-05	0.290	20
FEV1/FVC	SFRP2	cg10663078	rs55986083	-0.078	0.016	-0.078 (-0.109, -0.047)	7.39E-07	5.94E-05	0.098	20
FEV1/FVC	CSF2	cg08324925	rs31467	0.032	0.007	0.032 (0.019, 0.045)	1.01E-06	7.67E-05	0.216	20
FEV1/FVC	SFRP2	cg21630608	rs56413502	-0.076	0.015	-0.076 (-0.106, -0.045)	1.00E-06	7.67E-05	0.921	20
FEV1/FVC	ING5	cg13140981	rs72484056	-0.019	0.004	-0.019 (-0.026, -0.011)	1.25E-06	9.39E-05	0.141	20
FEV1/FVC	TRIM27	cg27120125	rs13200214	0.125	0.026	0.125 (0.074, 0.176)	1.35E-06	9.95E-05	0.206	20
FEV1/FVC	TGFB2	cg07810039	rs3121580	0.112	0.023	0.112 (0.066, 0.158)	1.46E-06	1.04E-04	0.107	5
FEV1/FVC	GAB2	cg13319772	rs901105	0.088	0.018	0.088 (0.052, 0.124)	1.64E-06	1.15E-04	0.118	20
FEV1/FVC	RAF1	cg23032965	rs2348201	-0.012	0.002	-0.012 (-0.016, -0.007)	1.73E-06	1.20E-04	0.050	20
FEV1/FVC	CAPZB	cg23519022	rs41264091	0.065	0.014	0.065 (0.038, 0.092)	1.76E-06	1.20E-04	0.027	20
FEV1/FVC	ORMDL3	cg12655416	rs8076131	0.021	0.004	0.021 (0.012, 0.029)	2.10E-06	1.39E-04	0.954	20
FEV1/FVC	SFRP2	cg13732865	rs62325115	-0.070	0.015	-0.070 (-0.099, -0.041)	2.61E-06	1.65E-04	0.171	20
FEV1/FVC	BLK	cg24861686	rs10097870	0.034	0.007	0.034 (0.020, 0.048)	2.88E-06	1.76E-04	0.075	20
FEV1/FVC	BMF	cg09749364	rs11637681	0.098	0.021	0.098 (0.057, 0.139)	2.95E-06	1.76E-04	0.623	13
FEV1/FVC	SFRP2	cg04959480	rs4585278	-0.079	0.017	-0.079 (-0.113, -0.046)	2.97E-06	1.76E-04	0.838	20

FEV1/FVC	CTTN	cg15465439	rs7944627	-0.032	0.007	-0.032 (-0.046, -0.019)	2.92E-06	1.76E-04	0.187	20
FEV1/FVC	WDR41	cg02017109	rs6877537	-0.039	0.008	-0.039 (-0.056, -0.023)	3.07E-06	1.81E-04	0.109	20
FEV1/FVC	FEZ2	cg15105969	rs4670149	0.013	0.003	0.013 (0.007, 0.018)	3.64E-06	2.02E-04	0.013	20
FEV1/FVC	FEZ2	cg10546459	rs4670149	0.012	0.003	0.012 (0.007, 0.017)	3.58E-06	2.02E-04	0.012	20
FEV1/FVC	GAB2	cg25502267	rs2510031	0.083	0.018	0.083 (0.048, 0.119)	3.61E-06	2.02E-04	0.089	20
FEV1/FVC	MUC1	cg18804777	rs6694256	-0.046	0.010	-0.046 (-0.065, -0.027)	3.63E-06	2.02E-04	0.244	17
FEV1/FVC	GAB2	cg13226797	rs2063730	0.097	0.021	0.097 (0.056, 0.138)	3.73E-06	2.06E-04	0.396	20
FEV1/FVC	ERBB3	cg00907267	rs2292239	0.076	0.016	0.076 (0.043, 0.108)	4.19E-06	2.29E-04	0.397	18
FEV1/FVC	ORMDL3	cg18711369	rs4065275	0.015	0.003	0.015 (0.008, 0.021)	4.43E-06	2.37E-04	0.683	20
FEV1/FVC	WDR41	cg14666655	rs40012	-0.042	0.009	-0.042 (-0.061, -0.024)	4.57E-06	2.41E-04	0.123	20
FEV1/FVC	ATP6V0D1	cg06120000	rs75204333	0.095	0.021	0.095 (0.054, 0.135)	5.01E-06	2.59E-04	0.448	20
FEV1/FVC	FGFR1	cg15321288	rs930828	0.021	0.005	0.021 (0.012, 0.031)	5.23E-06	2.64E-04	0.545	20
FEV1/FVC	SMCR8	cg19346202	rs4924845	0.036	0.008	0.036 (0.020, 0.051)	5.98E-06	2.97E-04	0.027	20
FEV1/FVC	ATP6V0A2	cg21179092	rs7313261	0.051	0.011	0.051 (0.029, 0.073)	6.87E-06	3.38E-04	0.072	20
FEV1/FVC	FEZ2	cg11324054	rs13013664	0.060	0.013	0.060 (0.034, 0.086)	7.69E-06	3.75E-04	0.205	20
FEV1/FVC	CSF2	cg13259290	rs31467	0.057	0.013	0.057 (0.032, 0.082)	7.98E-06	3.86E-04	0.525	20
FEV1/FVC	GSDMB	cg10057218	rs7224129	0.024	0.005	0.024 (0.013, 0.034)	9.38E-06	4.39E-04	0.368	20
FEV1/FVC	AP4E1	cg21246271	rs2614793	0.048	0.011	0.048 (0.026, 0.069)	1.18E-05	5.42E-04	0.046	20
FEV1/FVC	PPP1R13B	cg11829633	rs1155751	0.010	0.002	0.010 (0.005, 0.014)	1.27E-05	5.65E-04	0.748	20
FEV1/FVC	CD28	cg10240150	rs3181102	0.037	0.009	0.037 (0.021, 0.054)	1.24E-05	5.65E-04	0.391	20
FEV1/FVC	RAF1	cg13703021	rs2348201	-0.046	0.010	-0.046 (-0.066, -0.025)	1.26E-05	5.65E-04	0.044	20
FEV1/FVC	CTTN	cg27326318	rs2298396	-0.057	0.013	-0.057 (-0.083, -0.032)	1.32E-05	5.81E-04	0.050	17
FEV1/FVC	SESN1	cg17117243	rs114414265	-0.047	0.011	-0.047 (-0.068, -0.026)	1.34E-05	5.88E-04	0.098	9
FEV1/FVC	PPP1R13B	cg08213375	rs4900600	-0.015	0.003	-0.015 (-0.021, -0.008)	1.45E-05	6.31E-04	0.350	20
FEV1/FVC	MTMR9	cg06240162	rs3808502	-0.096	0.022	-0.096 (-0.140, -0.053)	1.53E-05	6.60E-04	0.024	20
FEV1/FVC	TP53INP2	cg00876694	rs6088618	-0.071	0.016	-0.071 (-0.103, -0.039)	1.60E-05	6.74E-04	0.113	20
FEV1/FVC	MET	cg27472701	rs38849	-0.075	0.017	-0.075 (-0.109, -0.041)	1.64E-05	6.85E-04	0.027	20
FEV1/FVC	CTTN	cg14191688	rs12795250	-0.039	0.009	-0.039 (-0.056, -0.021)	1.77E-05	7.38E-04	0.607	20
FEV1/FVC	CAPZB	cg13319175	rs6683394	-0.094	0.022	-0.094 (-0.138, -0.051)	1.81E-05	7.49E-04	0.188	20
FEV1/FVC	ORMDL3	cg22144450	rs4795401	0.022	0.005	0.022 (0.012, 0.033)	1.89E-05	7.74E-04	0.519	20
FEV1/FVC	TRIM8	cg06662132	rs7475335	0.074	0.017	0.074 (0.040, 0.107)	1.92E-05	7.82E-04	0.051	20
FEV1/FVC	CLEC16A	cg10390979	rs34306440	-0.045	0.011	-0.045 (-0.066, -0.024)	2.02E-05	8.19E-04	0.176	20
FEV1/FVC	GAB2	cg12700464	rs10899492	0.121	0.029	0.121 (0.065, 0.177)	2.16E-05	8.48E-04	0.780	20
FEV1/FVC	BLK	cg04335815	rs2409797	0.045	0.011	0.045 (0.024, 0.065)	2.27E-05	8.72E-04	0.130	20
FEV1/FVC	SFRP2	cg07999845	rs62325115	-0.093	0.022	-0.093 (-0.137, -0.050)	2.33E-05	8.88E-04	0.139	20
FEV1/FVC	GSDMA	cg24910161	rs55739615	0.012	0.003	0.012 (0.007, 0.018)	2.35E-05	8.91E-04	0.059	20
FEV1/FVC	GSDMA	cg26162295	rs55739615	0.013	0.003	0.013 (0.007, 0.019)	2.39E-05	8.95E-04	0.050	20
FEV1/FVC	SFRP2	cg01821854	rs55895613	-0.078	0.019	-0.078 (-0.115, -0.042)	2.53E-05	9.28E-04	0.108	20
FEV1/FVC	CTTN	cg16061668	rs12801468	-0.054	0.013	-0.054 (-0.080, -0.029)	2.77E-05	9.97E-04	0.219	15
FEV1/FVC	SFRP2	cg23292160	rs2251994	-0.093	0.022	-0.093 (-0.137, -0.049)	3.21E-05	0.001	0.302	20
FEV1/FVC	ERBB3	cg17843101	rs7971751	-0.055	0.013	-0.055 (-0.081, -0.029)	3.18E-05	0.001	0.020	20
FEV1/FVC	PHLDA3	cg18569595	rs11590527	-0.032	0.008	-0.032 (-0.048, -0.017)	3.20E-05	0.001	0.015	20

FEV1/FVC	FOXO1	cg23413567	rs9549243	0.047	0.011	0.047 (0.025, 0.069)	3.24E-05	0.001	0.124	20
FEV1/FVC	MNT	cg27406664	rs2429919	0.012	0.003	0.012 (0.006, 0.017)	3.42E-05	0.001	0.169	20
FEV1/FVC	ICAM4;ICAM1	cg00500176	rs281436	-0.022	0.005	-0.022 (-0.032, -0.011)	3.41E-05	0.001	0.114	20
FEV1/FVC	GSDMB	cg27435903	rs2305479	-0.028	0.007	-0.028 (-0.042, -0.015)	3.49E-05	0.001	0.355	20
FEV1/FVC	ATP6V0D1	cg04726373	rs112287758	-0.058	0.014	-0.058 (-0.086, -0.031)	3.56E-05	0.001	0.048	20
FEV1/FVC	FGFR1	cg24828864	rs17175624	0.057	0.014	0.057 (0.030, 0.084)	3.86E-05	0.001	0.347	14
FEV1/FVC	SUMF1	cg24840601	rs901870	0.057	0.014	0.057 (0.030, 0.085)	4.45E-05	0.001	0.408	20
FEV1/FVC	RASIP1	cg12258179	rs11672900	0.049	0.012	0.049 (0.025, 0.072)	4.62E-05	0.001	0.322	20
FEV1/FVC	SFRP2	cg23910835	rs56413502	-0.115	0.028	-0.115 (-0.170, -0.060)	4.66E-05	0.001	0.681	15
FEV1/FVC	TSGA10;LIPT1	cg13789186	rs13026928	-0.022	0.005	-0.022 (-0.032, -0.011)	5.50E-05	0.002	0.010	20
FEV1/FVC	ATP2A3	cg18963239	rs11871473	0.044	0.011	0.044 (0.023, 0.066)	5.69E-05	0.002	0.011	20
FEV1/FVC	SFRP2	cg22178613	rs732681	0.022	0.005	0.022 (0.011, 0.032)	6.45E-05	0.002	0.017	20
FEV1/FVC	ATG7	cg11277834	rs2122031	0.036	0.009	0.036 (0.018, 0.053)	6.51E-05	0.002	0.469	20
FEV1/FVC	BLK	cg26161004	rs11785333	-0.021	0.005	-0.021 (-0.032, -0.011)	6.71E-05	0.002	0.193	20
FEV1/FVC	TSC2;NTHL1	cg09123625	rs2516739	0.049	0.012	0.049 (0.025, 0.072)	6.85E-05	0.002	0.768	20
FEV1/FVC	EPHA2	cg21647035	rs12401559	-0.031	0.008	-0.031 (-0.047, -0.016)	7.12E-05	0.002	0.095	20
FEV1/FVC	CHAC1	cg07891971	rs7175362	0.078	0.020	0.078 (0.039, 0.117)	7.54E-05	0.002	0.075	20
FEV1/FVC	CSF2	cg26369418	rs31467	0.084	0.021	0.084 (0.042, 0.125)	8.00E-05	0.002	0.596	20
FEV1/FVC	ATP6V1E2	cg02822958	rs9309135	-0.010	0.003	-0.010 (-0.016, -0.005)	9.44E-05	0.003	0.203	20
FEV1/FVC	CTTN	cg07005180	rs12802229	-0.075	0.019	-0.075 (-0.113, -0.037)	1.05E-04	0.003	0.570	13
FEV1/FVC	VGLL4;ATG7	cg02131130	rs2606741	0.044	0.011	0.044 (0.022, 0.066)	1.05E-04	0.003	0.420	20
FEV1/FVC	RASIP1	cg15673069	rs439523	0.024	0.006	0.024 (0.012, 0.036)	1.15E-04	0.003	0.057	20
FEV1/FVC	FOXO1	cg11244402	rs4325427	0.028	0.007	0.028 (0.014, 0.042)	1.18E-04	0.003	0.317	20
FEV1/FVC	PPT2;PRRT1	cg01111041	rs417035	-0.080	0.021	-0.080 (-0.122, -0.039)	1.26E-04	0.003	0.048	20
FEV1/FVC	FOXK2	cg20173014	rs12452440	0.037	0.010	0.037 (0.018, 0.056)	1.45E-04	0.004	0.017	20
FEV1/FVC	CUL4A	cg10914120	rs9549361	-0.050	0.013	-0.050 (-0.076, -0.024)	1.56E-04	0.004	0.066	19
FEV1/FVC	ATP6V0A2	cg16376770	rs7302788	-0.078	0.021	-0.078 (-0.119, -0.037)	1.60E-04	0.004	0.102	20
FEV1/FVC	SESN1;C6orf182	cg01304950	rs7771058	0.030	0.008	0.030 (0.014, 0.046)	1.68E-04	0.004	0.011	20
FEV1/FVC	CUL4A	cg10012867	rs3861723	-0.047	0.013	-0.047 (-0.071, -0.022)	1.82E-04	0.004	0.099	20
FEV1/FVC	ICAM1	cg24354612	rs281436	-0.055	0.015	-0.055 (-0.084, -0.026)	1.89E-04	0.005	0.337	20
FEV1/FVC	IL6R	cg20688791	rs11265611	-0.056	0.015	-0.056 (-0.085, -0.027)	1.90E-04	0.005	0.131	14
FEV1/FVC	KDR	cg07098391	rs28680424	-0.090	0.024	-0.090 (-0.137, -0.042)	1.99E-04	0.005	0.064	13
FEV1/FVC	EPHA2	cg24494577	rs6678618	0.037	0.010	0.037 (0.017, 0.056)	1.98E-04	0.005	0.028	20
FEV1/FVC	MYH9	cg01816775	rs2239782	-0.024	0.006	-0.024 (-0.037, -0.011)	2.05E-04	0.005	0.041	20
FEV1/FVC	ATP6V1E2	cg04944393	rs13025211	0.058	0.016	0.058 (0.027, 0.089)	2.14E-04	0.005	0.566	20
FEV1/FVC	CUL4A	cg17689702	rs3764125	-0.046	0.013	-0.046 (-0.071, -0.022)	2.13E-04	0.005	0.050	20
FEV1/FVC	ITGAV	cg15732657	rs6741369	0.032	0.009	0.032 (0.015, 0.049)	2.13E-04	0.005	0.053	20
FEV1/FVC	PHLDA3	cg04055835	rs654072	0.048	0.013	0.048 (0.022, 0.073)	2.24E-04	0.005	0.060	20
FEV1/FVC	FLCN	cg04863514	rs55689224	-0.038	0.010	-0.038 (-0.059, -0.018)	2.30E-04	0.005	0.122	20
FEV1/FVC	ATP6V1E2	cg26688816	rs11125082	0.010	0.003	0.010 (0.005, 0.015)	2.43E-04	0.006	0.221	20
FEV1/FVC	RAF1	cg26432171	rs3925798	0.023	0.006	0.023 (0.011, 0.035)	2.46E-04	0.006	0.012	20
FEV1/FVC	MYH9	cg17163767	rs2239782	-0.029	0.008	-0.029 (-0.045, -0.014)	2.45E-04	0.006	0.064	20

FEV1/FVC	FASTK;TMUB1	cg03930004	rs9097	0.050	0.014	0.050 (0.023, 0.077)	2.46E-04	0.006	0.113	20
FEV1/FVC	ATG7	cg12120750	rs6779007	-0.044	0.012	-0.044 (-0.067, -0.020)	2.50E-04	0.006	0.169	20
FEV1/FVC	PGD	cg13938663	rs4846214	-0.035	0.010	-0.035 (-0.054, -0.016)	2.62E-04	0.006	0.451	20
FEV1/FVC	MAMSTR;RASIP1	cg18886062	rs2287921	0.059	0.016	0.059 (0.027, 0.091)	2.65E-04	0.006	0.297	20
FEV1/FVC	RPTOR	cg06153925	rs2340770	-0.011	0.003	-0.011 (-0.016, -0.005)	2.68E-04	0.006	0.951	20
FEV1/FVC	RPTOR	cg09592546	rs80183474	0.009	0.003	0.009 (0.004, 0.014)	2.80E-04	0.006	0.979	20
FEV1/FVC	LTBR	cg24621362	rs4301834	0.030	0.008	0.030 (0.014, 0.046)	2.81E-04	0.006	0.965	9
FEV1/FVC	RPTOR	cg06418238	rs4969424	-0.010	0.003	-0.010 (-0.015, -0.004)	3.10E-04	0.007	0.970	20
FEV1/FVC	FOXF1	cg01168283	rs7187428	-0.029	0.008	-0.029 (-0.045, -0.013)	3.11E-04	0.007	0.015	20
FEV1/FVC	CTTN	cg12127706	rs12800598	0.013	0.004	0.013 (0.006, 0.020)	3.31E-04	0.007	0.015	20
FEV1/FVC	WDR41	cg12888834	rs163031	-0.065	0.018	-0.065 (-0.100, -0.029)	3.31E-04	0.007	0.022	20
FEV1/FVC	LTBR	cg19476647	rs4301834	0.034	0.010	0.034 (0.016, 0.053)	3.34E-04	0.007	0.844	10
FEV1/FVC	RAF1	cg02420927	rs35750419	-0.035	0.010	-0.035 (-0.054, -0.016)	3.35E-04	0.007	0.041	20
FEV1/FVC	CTTN	cg16629523	rs12800598	0.014	0.004	0.014 (0.006, 0.022)	3.39E-04	0.007	0.024	20
FEV1/FVC	SFRP1	cg14904908	rs1562420	-0.038	0.011	-0.038 (-0.059, -0.017)	3.42E-04	0.007	0.217	20
FEV1/FVC	FASTK;TMUB1	cg10702041	rs2303942	0.041	0.011	0.041 (0.018, 0.063)	3.64E-04	0.007	0.273	20
FEV1/FVC	RPTOR	cg22878693	rs2340773	-0.012	0.003	-0.012 (-0.019, -0.006)	3.77E-04	0.008	0.520	20
FEV1/FVC	RPTOR	cg08454507	rs8080789	-0.013	0.004	-0.013 (-0.021, -0.006)	3.81E-04	0.008	0.267	20
FEV1/FVC	RPTOR	cg16015295	rs2340773	-0.015	0.004	-0.015 (-0.024, -0.007)	3.98E-04	0.008	0.030	20
FEV1/FVC	FGFR1	cg12614213	rs4739558	-0.065	0.018	-0.065 (-0.102, -0.029)	4.06E-04	0.008	0.233	14
FEV1/FVC	RPTOR	cg06872548	rs7217825	-0.012	0.003	-0.012 (-0.019, -0.005)	4.13E-04	0.008	0.568	20
FEV1/FVC	RPTOR	cg22386583	rs2340773	-0.019	0.005	-0.019 (-0.030, -0.008)	4.30E-04	0.008	0.311	20
FEV1/FVC	CTTN	cg02011981	rs11236240	-0.081	0.023	-0.081 (-0.127, -0.036)	4.35E-04	0.008	0.627	11
FEV1/FVC	CTTN	cg22720428	rs4570606	-0.084	0.024	-0.084 (-0.131, -0.037)	4.37E-04	0.008	0.303	13
FEV1/FVC	DAXX	cg27052777	rs3130018	0.048	0.014	0.048 (0.021, 0.074)	4.42E-04	0.008	0.181	15
FEV1/FVC	CTTN	cg25587405	rs12801756	-0.082	0.023	-0.082 (-0.127, -0.036)	4.57E-04	0.008	0.752	10
FEV1/FVC	TOP3A;SMCR8	cg23045404	rs2605142	-0.081	0.023	-0.081 (-0.126, -0.035)	4.80E-04	0.009	0.056	13
FEV1/FVC	LGALS3	cg09939831	rs10132349	0.081	0.023	0.081 (0.036, 0.127)	4.87E-04	0.009	0.805	20
FEV1/FVC	EYA4	cg17985029	rs1338009	0.013	0.004	0.013 (0.006, 0.020)	5.16E-04	0.009	0.099	20
FEV1/FVC	BAX	cg27565645	rs11671610	0.015	0.004	0.015 (0.006, 0.023)	5.37E-04	0.009	0.079	20
FEV1/FVC	RPS27L	cg23837188	rs9788649	0.024	0.007	0.024 (0.010, 0.037)	5.50E-04	0.009	0.068	20
FEV1/FVC	TFDP2	cg00217306	rs11706480	-0.032	0.009	-0.032 (-0.050, -0.014)	5.50E-04	0.009	0.020	20
FEV1/FVC	ATP6V1E2	cg15759873	rs880671	-0.068	0.020	-0.068 (-0.107, -0.029)	5.82E-04	0.010	0.078	20
FEV1/FVC	FASTK;TMUB1	cg18068487	rs9097	-0.066	0.019	-0.066 (-0.103, -0.028)	5.84E-04	0.010	0.857	19
FEV1/FVC	IL13	cg04303330	rs1881457	0.021	0.006	0.021 (0.009, 0.033)	5.93E-04	0.010	0.021	20
FEV1/FVC	BMF	cg07887985	rs539846	-0.065	0.019	-0.065 (-0.103, -0.028)	5.95E-04	0.010	0.068	9
FEV1/FVC	IDUA	cg05327835	rs1131853	-0.065	0.019	-0.065 (-0.102, -0.028)	6.21E-04	0.010	0.219	17
FEV1/FVC	WNT4	cg17022577	rs11584458	-0.025	0.007	-0.025 (-0.039, -0.011)	6.54E-04	0.011	0.123	20
FEV1/FVC	LIPT1;TSGA10	cg06240854	rs13009147	-0.056	0.016	-0.056 (-0.088, -0.024)	6.72E-04	0.011	0.045	20
FEV1/FVC	GNPTAB	cg03756485	rs11830792	0.021	0.006	0.021 (0.009, 0.033)	6.92E-04	0.011	0.219	20
FEV1/FVC	FOXK2	cg11779900	rs146599866	0.010	0.003	0.010 (0.004, 0.016)	7.25E-04	0.012	0.015	20
FEV1/FVC	BMF	cg26662201	rs34231574	-0.065	0.019	-0.065 (-0.102, -0.027)	7.41E-04	0.012	0.027	10

FEV1/FVC	IL13	cg13566430	rs7700346	0.024	0.007	0.024 (0.010, 0.038)	7.69E-04	0.012	0.077	20
FEV1/FVC	RPTOR	cg04295549	rs2340773	0.038	0.011	0.038 (0.016, 0.061)	7.88E-04	0.012	0.763	20
FEV1/FVC	AKT1	cg01921845	rs2494733	0.012	0.003	0.012 (0.005, 0.018)	8.73E-04	0.013	0.042	20
FEV1/FVC	ST20;C15orf37	cg26673396	rs8026997	-0.017	0.005	-0.017 (-0.027, -0.007)	9.09E-04	0.014	0.092	20
FEV1/FVC	FOXO1	cg14168545	rs9549244	-0.042	0.013	-0.042 (-0.066, -0.017)	9.19E-04	0.014	0.054	20
FEV1/FVC	BIK	cg13934236	rs909666	-0.046	0.014	-0.046 (-0.072, -0.019)	9.30E-04	0.014	0.574	20
FEV1/FVC	SFRP1	cg03133371	rs1562420	-0.057	0.017	-0.057 (-0.090, -0.023)	9.41E-04	0.014	0.158	9
FEV1/FVC	ST20	cg21315874	rs17885346	0.012	0.004	0.012 (0.005, 0.019)	9.57E-04	0.014	0.424	20
FEV1/FVC	MYH9	cg06765172	rs139973547	-0.050	0.015	-0.050 (-0.080, -0.020)	9.56E-04	0.014	0.748	13
FEV1/FVC	ACSL5	cg13849691	rs2094266	0.035	0.011	0.035 (0.014, 0.055)	9.71E-04	0.015	0.023	20
FEV1/FVC	ST20	cg11839771	rs6495455	-0.013	0.004	-0.013 (-0.021, -0.005)	9.80E-04	0.015	0.789	20
FEV1/FVC	MTMR9	cg12981288	rs7008205	-0.046	0.014	-0.046 (-0.073, -0.018)	0.001	0.016	0.029	20
FEV1/FVC	RASIP1	cg23082877	rs11667321	0.042	0.013	0.042 (0.017, 0.068)	0.001	0.016	0.032	20
FEV1/FVC	PIAS4	cg24479928	rs7248231	0.043	0.013	0.043 (0.017, 0.069)	0.001	0.016	0.180	17
FEV1/FVC	SFRP1	cg01074584	rs921142	-0.057	0.017	-0.057 (-0.091, -0.023)	0.001	0.016	0.093	9
FEV1/FVC	MAMSTR;RASIP1	cg10404009	rs3859439	0.036	0.011	0.036 (0.014, 0.057)	0.001	0.016	0.042	20
FEV1/FVC	DAXX	cg14910283	rs3130018	0.067	0.021	0.067 (0.027, 0.107)	0.001	0.016	0.070	13
FEV1/FVC	EYA4	cg21296676	rs9389054	0.038	0.012	0.038 (0.015, 0.060)	0.001	0.017	0.053	20
FEV1/FVC	NFE2L2	cg21570130	rs17524059	-0.014	0.004	-0.014 (-0.022, -0.005)	0.001	0.017	0.129	20
FEV1/FVC	FLCN	cg19830245	rs9890243	-0.074	0.023	-0.074 (-0.118, -0.029)	0.001	0.018	0.232	12
FEV1/FVC	FOXO1	cg09792463	rs2253001	0.023	0.007	0.023 (0.009, 0.037)	0.001	0.018	0.013	20
FEV1/FVC	CD68	cg21808406	rs12942088	-0.049	0.015	-0.049 (-0.078, -0.019)	0.001	0.018	0.855	20
FEV1/FVC	AP1M2	cg11657665	rs35769432	-0.017	0.005	-0.017 (-0.028, -0.007)	0.001	0.018	0.201	20
FEV1/FVC	FER	cg16174681	rs79409628	-0.028	0.009	-0.028 (-0.045, -0.011)	0.001	0.018	0.085	20
FEV1/FVC	FOXF1	cg01142386	rs112902103	-0.045	0.014	-0.045 (-0.072, -0.017)	0.001	0.018	0.440	18
FEV1/FVC	GSDMA	cg08995595	rs12603481	0.041	0.013	0.041 (0.016, 0.066)	0.001	0.018	0.011	20
FEV1/FVC	WNT4	cg12098183	rs10917159	-0.035	0.011	-0.035 (-0.056, -0.013)	0.001	0.018	0.030	20
FEV1/FVC	RPTOR	cg07786220	rs34290925	-0.014	0.004	-0.014 (-0.023, -0.005)	0.001	0.019	0.537	20
FEV1/FVC	GSDMB	cg12360886	rs2941519	0.071	0.022	0.071 (0.028, 0.115)	0.001	0.019	0.194	20
FEV1/FVC	TP63	cg05129081	rs10937405	-0.011	0.003	-0.011 (-0.018, -0.004)	0.001	0.020	0.851	20
FEV1/FVC	RPTOR	cg13311292	rs150738216	0.055	0.017	0.055 (0.021, 0.089)	0.001	0.020	0.317	20
FEV1/FVC	DAXX	cg09992055	rs469064	0.062	0.019	0.062 (0.024, 0.100)	0.001	0.020	0.234	15
FEV1/FVC	GATA4	cg01546563	rs61277615	-0.019	0.006	-0.019 (-0.031, -0.007)	0.001	0.020	0.056	20
FEV1/FVC	SFRP1	cg10406295	rs1159162	-0.066	0.021	-0.066 (-0.107, -0.025)	0.001	0.020	0.403	8
FEV1/FVC	PARK7	cg15591616	rs4908488	-0.025	0.008	-0.025 (-0.041, -0.010)	0.001	0.020	0.354	20
FEV1/FVC	RPTOR	cg20937981	rs34290925	-0.020	0.006	-0.020 (-0.032, -0.008)	0.001	0.020	0.659	20
FEV1/FVC	PPP1R13B	cg09351176	rs2295140	-0.066	0.021	-0.066 (-0.106, -0.025)	0.001	0.020	0.140	20
FEV1/FVC	CAPZB	cg24593138	rs214302	0.007	0.002	0.007 (0.003, 0.012)	0.002	0.021	0.051	20
FEV1/FVC	BAX	cg26673286	rs1009316	-0.039	0.012	-0.039 (-0.064, -0.015)	0.002	0.021	0.133	16
FEV1/FVC	CDKN2D	cg04833646	rs12978228	-0.009	0.003	-0.009 (-0.015, -0.004)	0.002	0.022	0.130	20
FEV1/FVC	AP1M2	cg26292442	rs7248205	0.067	0.021	0.067 (0.025, 0.109)	0.002	0.022	0.208	20
FEV1/FVC	PPT1	cg22716190	rs6672053	0.008	0.003	0.008 (0.003, 0.013)	0.002	0.022	0.848	20

FEV1/FVC	GATA2	cg03839949	rs73203424	0.034	0.011	0.034 (0.013, 0.055)	0.002	0.022	0.082	20
FEV1/FVC	RPTOR	cg11790527	rs62067889	-0.026	0.008	-0.026 (-0.042, -0.010)	0.002	0.023	0.152	20
FEV1/FVC	RPTOR	cg22838354	rs34479366	0.031	0.010	0.031 (0.011, 0.050)	0.002	0.023	0.843	20
FEV1/FVC	BIK	cg02601893	rs2076079	-0.042	0.013	-0.042 (-0.069, -0.016)	0.002	0.023	0.082	14
FEV1/FVC	GATA4	cg15644626	rs804290	0.038	0.012	0.038 (0.014, 0.062)	0.002	0.023	0.083	20
FEV1/FVC	SFRP2	cg05050042	rs1598633	0.052	0.017	0.052 (0.019, 0.084)	0.002	0.023	0.013	20
FEV1/FVC	SNX32	cg15531562	rs7123155	0.007	0.002	0.007 (0.003, 0.012)	0.002	0.023	0.055	20
FEV1/FVC	FOXK1	cg09395443	rs62452134	0.047	0.015	0.047 (0.017, 0.076)	0.002	0.024	0.023	8
FEV1/FVC	AP1M2	cg14985481	rs4804509	0.032	0.010	0.032 (0.012, 0.052)	0.002	0.024	0.540	20
FEV1/FVC	FER	cg11403831	rs79409628	0.040	0.013	0.040 (0.015, 0.065)	0.002	0.024	0.043	20
FEV1/FVC	EYA4	cg21390624	rs1338009	0.049	0.016	0.049 (0.018, 0.080)	0.002	0.024	0.016	20
FEV1/FVC	SLC30A2	cg01689405	rs1317709	-0.035	0.011	-0.035 (-0.057, -0.013)	0.002	0.025	0.686	20
FEV1/FVC	ZBTB22;DAXX	cg06477487	rs469064	-0.069	0.022	-0.069 (-0.112, -0.025)	0.002	0.025	0.033	13
FEV1/FVC	AP1M2	cg26999505	rs12978228	0.024	0.008	0.024 (0.009, 0.039)	0.002	0.026	0.236	20
FEV1/FVC	LIPT1	cg22616506	rs6753650	-0.071	0.023	-0.071 (-0.116, -0.026)	0.002	0.026	0.132	20
FEV1/FVC	LTBR	cg25894255	rs12425441	0.068	0.022	0.068 (0.025, 0.112)	0.002	0.026	0.246	8
FEV1/FVC	NFKB1	cg09390974	rs3774938	-0.010	0.003	-0.010 (-0.017, -0.004)	0.002	0.027	0.981	20
FEV1/FVC	NCK2	cg13704531	rs12476157	-0.021	0.007	-0.021 (-0.035, -0.008)	0.002	0.027	0.404	20
FEV1/FVC	NCK2	cg01295249	rs17208505	0.013	0.004	0.013 (0.005, 0.021)	0.002	0.027	0.538	20
FEV1/FVC	PSEN1	cg09970967	rs61986866	-0.022	0.007	-0.022 (-0.036, -0.008)	0.002	0.028	0.178	20
FEV1/FVC	PSEN1	cg26124115	rs2107767	-0.027	0.009	-0.027 (-0.044, -0.010)	0.002	0.028	0.298	20
FEV1/FVC	SIVA1	cg19495714	rs4983549	0.024	0.008	0.024 (0.008, 0.039)	0.002	0.029	0.058	20
FEV1/FVC	POU4F2	cg25406138	rs6537429	-0.046	0.015	-0.046 (-0.075, -0.016)	0.002	0.029	0.883	20
FEV1/FVC	PSEN1	cg11490446	rs362377	-0.034	0.011	-0.034 (-0.056, -0.012)	0.002	0.029	0.478	20
FEV1/FVC	NFKB1	cg15409712	rs1598857	-0.010	0.003	-0.010 (-0.017, -0.004)	0.002	0.029	0.963	20
FEV1/FVC	OSBPL7	cg02206375	rs17774171	0.062	0.020	0.062 (0.022, 0.102)	0.003	0.030	0.917	20
FEV1/FVC	GDNF	cg24813562	rs3812047	0.023	0.008	0.023 (0.008, 0.038)	0.003	0.031	0.641	20
FEV1/FVC	BNIP3	cg02365648	rs117262064	0.014	0.005	0.014 (0.005, 0.023)	0.003	0.032	0.819	12
FEV1/FVC	BLOC1S2	cg13817732	rs35662118	0.026	0.009	0.026 (0.009, 0.043)	0.003	0.032	0.404	20
FEV1/FVC	RAF1	cg12173506	rs4684110	0.067	0.022	0.067 (0.023, 0.111)	0.003	0.032	0.234	20
FEV1/FVC	FOXK2	cg26176014	rs140737552	-0.050	0.017	-0.050 (-0.083, -0.017)	0.003	0.033	0.236	14
FEV1/FVC	GATA4	cg23916205	rs745379	0.013	0.004	0.013 (0.005, 0.022)	0.003	0.034	0.270	20
FEV1/FVC	PARK7	cg00042356	rs7517357	0.015	0.005	0.015 (0.005, 0.024)	0.003	0.035	0.782	20
FEV1/FVC	GATA4	cg19172575	rs77480632	0.032	0.011	0.032 (0.011, 0.053)	0.003	0.035	0.047	20
FEV1/FVC	RPTOR	cg06443231	rs34290925	0.044	0.015	0.044 (0.015, 0.074)	0.003	0.035	0.343	20
FEV1/FVC	ATG7	cg18146954	rs2606740	0.038	0.013	0.038 (0.013, 0.064)	0.003	0.035	0.021	20
FEV1/FVC	TSC2	cg02851047	rs9928737	0.017	0.006	0.017 (0.006, 0.029)	0.003	0.036	0.059	20
FEV1/FVC	FADS2	cg19610905	rs174553	0.008	0.003	0.008 (0.003, 0.013)	0.003	0.036	0.104	20
FEV1/FVC	UACA	cg09345916	rs4777306	0.064	0.022	0.064 (0.021, 0.107)	0.003	0.037	0.795	10
FEV1/FVC	CTSA;NEURL2	cg08260891	rs742034	-0.036	0.012	-0.036 (-0.059, -0.012)	0.003	0.037	0.124	20
FEV1/FVC	ATF6	cg10230257	rs4656340	0.058	0.020	0.058 (0.019, 0.096)	0.003	0.038	0.383	16
FEV1/FVC	FBXO31;MAP1LC3B	cg06750038	rs11117269	0.013	0.005	0.013 (0.004, 0.022)	0.003	0.038	0.077	20

FEV1/FVC	MAP1LC3B;FBXO31	cg23636419	rs750957	0.058	0.020	0.058 (0.019, 0.096)	0.003	0.038	0.522	20
FEV1/FVC	SFRP1	cg07935886	rs72643819	-0.045	0.015	-0.045 (-0.076, -0.015)	0.003	0.038	0.037	10
FEV1/FVC	IKBKE	cg11739399	rs4844539	-0.023	0.008	-0.023 (-0.038, -0.008)	0.003	0.038	0.028	19
FEV1/FVC	UVRAG	cg02337499	rs7118567	0.020	0.007	0.020 (0.007, 0.034)	0.003	0.039	0.653	20
FEV1/FVC	IDUA	cg04508482	rs145316354	-0.045	0.016	-0.045 (-0.076, -0.015)	0.004	0.039	0.031	20
FEV1/FVC	STBD1	cg06978288	rs13123108	-0.017	0.006	-0.017 (-0.028, -0.006)	0.004	0.039	0.833	20
FEV1/FVC	UVRAG	cg13641591	rs7118567	-0.021	0.007	-0.021 (-0.035, -0.007)	0.004	0.039	0.543	20
FEV1/FVC	ARSB	cg27361227	rs62377505	0.043	0.015	0.043 (0.014, 0.072)	0.004	0.039	0.183	20
FEV1/FVC	SGMS1	cg13799263	rs7092753	-0.025	0.009	-0.025 (-0.043, -0.008)	0.004	0.040	0.639	20
FEV1/FVC	DAPK2	cg06904649	rs7162147	-0.040	0.014	-0.040 (-0.068, -0.013)	0.004	0.040	0.226	20
FEV1/FVC	NCK2	cg03181966	rs12476157	0.041	0.014	0.041 (0.013, 0.068)	0.004	0.040	0.278	20
FEV1/FVC	PARK7	cg10385390	rs34157438	-0.026	0.009	-0.026 (-0.043, -0.008)	0.004	0.041	0.720	20
FEV1/FVC	BMF	cg17809595	rs569539	-0.055	0.019	-0.055 (-0.093, -0.018)	0.004	0.041	0.016	15
FEV1/FVC	CTSA;NEURL2	cg19067730	rs742034	-0.040	0.014	-0.040 (-0.067, -0.013)	0.004	0.041	0.101	20
FEV1/FVC	IL6R	cg25135018	rs6427672	-0.035	0.012	-0.035 (-0.059, -0.011)	0.004	0.041	0.022	16
FEV1/FVC	UNC5B	cg11224737	rs10999741	0.031	0.011	0.031 (0.010, 0.053)	0.004	0.041	0.186	20
FEV1/FVC	PIK3R2	cg10256708	rs2072490	0.045	0.016	0.045 (0.015, 0.076)	0.004	0.041	0.595	20
FEV1/FVC	PPP3R1	cg16179607	rs10195757	-0.015	0.005	-0.015 (-0.025, -0.005)	0.004	0.042	0.949	20
FEV1/FVC	CTSW	cg19792802	rs12225345	0.019	0.007	0.019 (0.006, 0.032)	0.004	0.042	0.012	20
FEV1/FVC	TGFB2	cg20991819	rs1473527	-0.055	0.019	-0.055 (-0.093, -0.018)	0.004	0.042	0.462	14
FEV1/FVC	USP36	cg06146665	rs2054624	-0.011	0.004	-0.011 (-0.018, -0.004)	0.004	0.042	0.287	20
FEV1/FVC	GATA4	cg23972785	rs10086500	0.017	0.006	0.017 (0.005, 0.029)	0.004	0.045	0.028	20
FEV1/FVC	ZC3HC1	cg05055930	rs13222487	0.013	0.005	0.013 (0.004, 0.022)	0.004	0.045	0.246	20
FEV1/FVC	CAPZB	cg05820435	rs214303	0.048	0.017	0.048 (0.015, 0.081)	0.004	0.045	0.048	20
FEV1/FVC	ZNF385A	cg22824738	rs2706247	-0.018	0.006	-0.018 (-0.030, -0.006)	0.004	0.046	0.017	20
FEV1/FVC	MTOR	cg10315903	rs2744815	-0.060	0.021	-0.060 (-0.101, -0.019)	0.004	0.046	0.154	11
FEV1/FVC	GSDMD	cg22012530	rs60649827	-0.011	0.004	-0.011 (-0.019, -0.003)	0.004	0.046	0.554	20
FEV1/FVC	POU4F2	cg00505045	rs6839918	-0.060	0.021	-0.060 (-0.101, -0.019)	0.004	0.046	0.519	19
FEV1/FVC	RALB	cg27505472	rs34874174	0.046	0.016	0.046 (0.014, 0.077)	0.004	0.046	0.027	18
FEV1/FVC	PIP4K2B	cg27142680	rs228251	-0.043	0.015	-0.043 (-0.072, -0.013)	0.005	0.049	0.035	20
FEV1/FVC	CTTN	cg17631184	rs34053053	0.055	0.019	0.055 (0.017, 0.093)	0.005	0.049	0.424	17
FEV1/FVC	BOK	cg24436906	rs13423154	-0.038	0.014	-0.038 (-0.065, -0.012)	0.005	0.051	0.209	16
FEV1/FVC	SFRP1	cg00000321	rs72643819	-0.055	0.019	-0.055 (-0.093, -0.017)	0.005	0.051	0.198	10
FEV1/FVC	RET	cg23758158	rs1864399	-0.026	0.009	-0.026 (-0.043, -0.008)	0.005	0.052	0.757	20
FEV1/FVC	AP1G1	cg10407113	rs9932707	-0.039	0.014	-0.039 (-0.066, -0.012)	0.005	0.052	0.065	20
FEV1/FVC	INF2	cg05210373	rs4247032	0.032	0.011	0.032 (0.010, 0.054)	0.005	0.053	0.611	20
FEV1/FVC	INF2	cg04966159	rs4247032	0.032	0.012	0.032 (0.010, 0.055)	0.005	0.054	0.339	20
FEV1/FVC	ATF6	cg09175582	rs2298019	0.018	0.007	0.018 (0.005, 0.031)	0.005	0.054	0.066	20
FEV1/FVC	CDKN2D	cg08312369	rs8105074	0.053	0.019	0.053 (0.016, 0.090)	0.005	0.054	0.344	16
FEV1/FVC	MAP1LC3B	cg04892447	rs889603	-0.052	0.019	-0.052 (-0.089, -0.015)	0.005	0.056	0.295	20
FEV1/FVC	NCK2	cg26377276	rs17208218	0.051	0.018	0.051 (0.015, 0.086)	0.006	0.056	0.455	20
FEV1/FVC	FYN	cg26846943	rs9487736	0.007	0.002	0.007 (0.002, 0.011)	0.006	0.057	0.596	20

FEV1/FVC	FYN	cg05517541	rs9487736	0.008	0.003	0.008 (0.002, 0.013)	0.006	0.057	0.432	20
FEV1/FVC	PPIF	cg09469691	rs4980061	-0.015	0.005	-0.015 (-0.025, -0.004)	0.006	0.057	0.048	20
FEV1/FVC	PIP4K2B	cg03371752	rs228284	0.059	0.021	0.059 (0.017, 0.101)	0.006	0.057	0.038	20
FEV1/FVC	USP36	cg27578381	rs62075631	-0.012	0.004	-0.012 (-0.021, -0.003)	0.006	0.058	0.077	20
FEV1/FVC	FYN	cg08601457	rs9487736	0.011	0.004	0.011 (0.003, 0.019)	0.006	0.058	0.480	20
FEV1/FVC	IPMK;CISD1	cg11382993	rs7092649	-0.048	0.017	-0.048 (-0.082, -0.014)	0.006	0.058	0.013	20
FEV1/FVC	MAPK9	cg03605361	rs17628029	0.046	0.017	0.046 (0.013, 0.079)	0.006	0.059	0.536	20
FEV1/FVC	TP53INP1	cg09323728	rs13255935	-0.006	0.002	-0.006 (-0.011, -0.002)	0.006	0.059	0.743	20
FEV1/FVC	TP53INP1	cg20039814	rs13255935	-0.006	0.002	-0.006 (-0.010, -0.002)	0.006	0.059	0.719	20
FEV1/FVC	TP53INP1	cg13393036	rs13255935	-0.006	0.002	-0.006 (-0.011, -0.002)	0.006	0.059	0.712	20
FEV1/FVC	TP53INP1	cg16049864	rs13255935	-0.006	0.002	-0.006 (-0.010, -0.002)	0.006	0.059	0.762	20
FEV1/FVC	ITM2C	cg18346707	rs1561325	0.007	0.003	0.007 (0.002, 0.012)	0.006	0.059	0.879	20
FEV1/FVC	ITM2C	cg15837943	rs1561325	0.007	0.003	0.007 (0.002, 0.012)	0.006	0.059	0.677	20
FEV1/FVC	GATA4	cg22320962	rs117165277	0.058	0.021	0.058 (0.017, 0.099)	0.006	0.059	0.451	10
FEV1/FVC	PPARD	cg18204017	rs6939017	0.051	0.019	0.051 (0.015, 0.088)	0.006	0.059	0.145	20
FEV1/FVC	AP1M2	cg16589555	rs12710256	-0.039	0.014	-0.039 (-0.068, -0.011)	0.006	0.059	0.029	20
FEV1/FVC	CTSW	cg08416661	rs1204650	0.014	0.005	0.014 (0.004, 0.024)	0.006	0.059	0.016	20
FEV1/FVC	BMP4	cg20297199	rs12895262	-0.060	0.022	-0.060 (-0.103, -0.017)	0.006	0.060	0.016	17
FEV1/FVC	TPCN2	cg18503234	rs595882	0.035	0.013	0.035 (0.010, 0.060)	0.006	0.061	0.805	20
FEV1/FVC	FEZ1	cg23366166	rs7111332	-0.060	0.022	-0.060 (-0.103, -0.017)	0.007	0.063	0.211	16
FEV1/FVC	FYN	cg24824472	rs9487736	0.020	0.007	0.020 (0.005, 0.034)	0.007	0.063	0.237	20
FEV1/FVC	RET	cg02780029	rs2505505	0.006	0.002	0.006 (0.002, 0.011)	0.007	0.064	0.915	20
FEV1/FVC	ZNF385A	cg04964471	rs2706247	-0.039	0.014	-0.039 (-0.066, -0.011)	0.007	0.064	0.149	8
FEV1/FVC	EYA4	cg10105884	rs7756044	-0.040	0.015	-0.040 (-0.068, -0.011)	0.007	0.064	0.341	6
FEV1/FVC	TFRC	cg03462622	rs3933	-0.013	0.005	-0.013 (-0.023, -0.004)	0.007	0.064	0.172	20
FEV1/FVC	GATA4	cg18283386	rs34888744	-0.036	0.013	-0.036 (-0.062, -0.010)	0.007	0.064	0.098	20
FEV1/FVC	ATP6V0A1	cg20082357	rs9897504	0.057	0.021	0.057 (0.016, 0.099)	0.007	0.066	0.730	20
FEV1/FVC	HIPK2	cg11032313	rs10268753	-0.022	0.008	-0.022 (-0.038, -0.006)	0.007	0.067	0.050	20
FEV1/FVC	AP3D1	cg11349093	rs79847850	-0.043	0.016	-0.043 (-0.074, -0.011)	0.007	0.068	0.227	20
FEV1/FVC	CTTN	cg10395806	rs10793121	0.040	0.015	0.040 (0.011, 0.069)	0.007	0.069	0.208	8
FEV1/FVC	SH3RF1	cg05907036	rs11132799	0.016	0.006	0.016 (0.004, 0.028)	0.007	0.069	0.659	20
FEV1/FVC	CTTN	cg24395117	rs4367974	-0.049	0.018	-0.049 (-0.085, -0.013)	0.008	0.069	0.206	15
FEV1/FVC	NFKBIA	cg16518861	rs72666636	0.008	0.003	0.008 (0.002, 0.014)	0.008	0.069	0.377	20
FEV1/FVC	NFKBIA	cg00689225	rs72666636	0.009	0.003	0.009 (0.002, 0.015)	0.008	0.070	0.371	20
FEV1/FVC	TP73	cg18279180	rs12032247	0.013	0.005	0.013 (0.004, 0.023)	0.008	0.070	0.603	20
FEV1/FVC	NFKBIA	cg04545963	rs72666636	0.009	0.004	0.009 (0.002, 0.016)	0.008	0.070	0.481	20
FEV1/FVC	UNC5B	cg19673155	rs1124397	-0.031	0.012	-0.031 (-0.054, -0.008)	0.008	0.070	0.380	20
FEV1/FVC	CTSW	cg23483894	rs10791830	0.018	0.007	0.018 (0.005, 0.031)	0.008	0.071	0.010	20
FEV1/FVC	AKT1	cg02072813	rs4983540	-0.039	0.015	-0.039 (-0.068, -0.010)	0.008	0.071	0.260	20
FEV1/FVC	MCL1	cg13175981	rs61820165	0.009	0.003	0.009 (0.002, 0.016)	0.008	0.071	0.600	20
FEV1/FVC	TRIML2	cg17565478	rs78668658	0.045	0.017	0.045 (0.012, 0.078)	0.008	0.071	0.822	14
FEV1/FVC	CALCOCO2	cg04154812	rs606911	-0.051	0.019	-0.051 (-0.089, -0.013)	0.008	0.071	0.509	15

FEV1/FVC	CTTN	cg11194613	rs10793121	0.042	0.016	0.042 (0.011, 0.074)	0.008	0.071	0.052	13
FEV1/FVC	RALB	cg06876354	rs13019313	0.058	0.022	0.058 (0.015, 0.100)	0.008	0.071	0.096	13
FEV1/FVC	SOD2	cg13221458	rs9456442	0.007	0.003	0.007 (0.002, 0.013)	0.008	0.072	0.118	20
FEV1/FVC	TP73	cg08887707	rs12032272	0.007	0.003	0.007 (0.002, 0.012)	0.008	0.072	0.470	20
FEV1/FVC	ZNF385A	cg21163444	rs2700153	-0.013	0.005	-0.013 (-0.022, -0.003)	0.008	0.072	0.018	20
FEV1/FVC	FADS2	cg11250194	rs174544	0.008	0.003	0.008 (0.002, 0.014)	0.008	0.072	0.227	20
FEV1/FVC	USP36	cg05380734	rs35273233	-0.016	0.006	-0.016 (-0.028, -0.004)	0.008	0.072	0.048	20
FEV1/FVC	SH3RF1	cg15134174	rs4692709	0.039	0.015	0.039 (0.010, 0.067)	0.008	0.072	0.670	20
FEV1/FVC	EYA4	cg24675448	rs9399054	0.009	0.004	0.009 (0.002, 0.016)	0.008	0.072	0.742	20
FEV1/FVC	SLC30A9	cg07260532	rs2581454	-0.028	0.011	-0.028 (-0.049, -0.007)	0.008	0.073	0.010	20
FEV1/FVC	BRSK2	cg01122627	rs4072884	0.015	0.006	0.015 (0.004, 0.026)	0.008	0.073	0.429	20
FEV1/FVC	MAPK7	cg13832201	rs7501702	-0.039	0.015	-0.039 (-0.068, -0.010)	0.008	0.074	0.291	20
FEV1/FVC	ITM2C	cg04198215	rs934824	-0.041	0.015	-0.041 (-0.071, -0.010)	0.009	0.076	0.361	15
FEV1/FVC	TP53INP1	cg18059933	rs7003387	-0.006	0.002	-0.006 (-0.010, -0.001)	0.009	0.076	0.827	20
FEV1/FVC	FYN	cg17076443	rs9487736	0.032	0.012	0.032 (0.008, 0.056)	0.009	0.076	0.304	20
FEV1/FVC	TBXAS1;HIPK2	cg26407309	rs2058265	-0.030	0.011	-0.030 (-0.052, -0.008)	0.009	0.077	0.145	20
FEV1/FVC	TP73	cg27564766	rs4648552	0.018	0.007	0.018 (0.004, 0.031)	0.009	0.077	0.414	19
FEV1/FVC	TMEM14A	cg19083670	rs1000810	-0.054	0.021	-0.054 (-0.095, -0.014)	0.009	0.077	0.525	16
FEV1/FVC	AKT1	cg19645788	rs77631658	-0.012	0.005	-0.012 (-0.022, -0.003)	0.009	0.077	0.049	20
FEV1/FVC	TP73	cg13943358	rs10910003	-0.018	0.007	-0.018 (-0.031, -0.004)	0.009	0.078	0.762	20
FEV1/FVC	TP53INP1	cg26343298	rs1320164	0.011	0.004	0.011 (0.003, 0.019)	0.009	0.078	0.568	20
FEV1/FVC	IPMK;CISD1	cg00871019	rs1832556	0.036	0.014	0.036 (0.009, 0.063)	0.009	0.078	0.136	20
FEV1/FVC	NCK2	cg21551182	rs7602442	0.014	0.005	0.014 (0.003, 0.024)	0.009	0.080	0.303	20
FEV1/FVC	VAMP8	cg10632773	rs10187218	0.010	0.004	0.010 (0.003, 0.018)	0.009	0.080	0.822	20
FEV1/FVC	SH3RF1	cg13251507	rs62334211	0.015	0.006	0.015 (0.004, 0.026)	0.009	0.080	0.690	20
FEV1/FVC	MSX1	cg03199651	rs56398386	0.038	0.015	0.038 (0.009, 0.067)	0.010	0.081	0.178	20
FEV1/FVC	GSDMD	cg17812120	rs3750207	-0.009	0.003	-0.009 (-0.016, -0.002)	0.010	0.081	0.382	20
FEV1/FVC	HIPK2	cg14405813	rs4132077	-0.011	0.004	-0.011 (-0.019, -0.003)	0.010	0.082	0.019	20
FEV1/FVC	CISD1;IPMK	cg09039206	rs2246534	0.032	0.012	0.032 (0.008, 0.057)	0.010	0.085	0.051	20
FEV1/FVC	CALCOCO2	cg20396069	rs178467	0.041	0.016	0.041 (0.010, 0.073)	0.010	0.085	0.658	20
FEV1/FVC	TMEM14A	cg15108222	rs75634655	-0.018	0.007	-0.018 (-0.031, -0.004)	0.010	0.086	0.714	20
FEV1/FVC	AP3M1	cg15023646	rs34885185	0.052	0.020	0.052 (0.012, 0.091)	0.010	0.086	0.034	18
FEV1/FVC	EXOC4	cg06070229	rs35284403	0.040	0.016	0.040 (0.009, 0.071)	0.010	0.086	0.202	20
FEV1/FVC	TP73	cg26034538	rs2096224	0.039	0.015	0.039 (0.009, 0.069)	0.010	0.086	0.968	9
FEV1/FVC	STAT5B	cg19465320	rs9889323	0.028	0.011	0.028 (0.007, 0.050)	0.011	0.086	0.486	20
FEV1/FVC	TBXAS1;HIPK2	cg00445997	rs1860509	-0.030	0.012	-0.030 (-0.052, -0.007)	0.011	0.086	0.159	20
FEV1/FVC	WNT4	cg25011003	rs55938609	-0.020	0.008	-0.020 (-0.036, -0.005)	0.011	0.087	0.032	20
FEV1/FVC	GSK3B	cg14479617	rs2037547	0.013	0.005	0.013 (0.003, 0.023)	0.011	0.089	0.539	20
FEV1/FVC	FADS2	cg01400685	rs968567	0.008	0.003	0.008 (0.002, 0.015)	0.011	0.089	0.188	20
FEV1/FVC	FADS2	cg25324164	rs968567	0.008	0.003	0.008 (0.002, 0.014)	0.011	0.089	0.051	20
FEV1/FVC	FADS2	cg00603274	rs968567	0.008	0.003	0.008 (0.002, 0.014)	0.011	0.089	0.157	20
FEV1/FVC	FADS2	cg06781209	rs968567	0.007	0.003	0.007 (0.002, 0.013)	0.011	0.089	0.131	20

FEV1/FVC	FADS2	cg21709803	rs968567	0.008	0.003	0.008 (0.002, 0.015)	0.011	0.089	0.117	20
FEV1/FVC	HGS	cg22519420	rs67519107	0.023	0.009	0.023 (0.005, 0.041)	0.011	0.089	0.757	20
FEV1/FVC	MET	cg19958057	rs10227421	0.055	0.021	0.055 (0.012, 0.097)	0.011	0.089	0.110	7
FEV1/FVC	STAT5A	cg20388732	rs11079041	-0.025	0.010	-0.025 (-0.043, -0.006)	0.011	0.089	0.190	20
FEV1/FVC	MUL1	cg03182908	rs12724366	-0.017	0.007	-0.017 (-0.029, -0.004)	0.011	0.089	0.899	20
FEV1/FVC	PTGIS	cg07612655	rs56382860	-0.014	0.005	-0.014 (-0.025, -0.003)	0.011	0.089	0.126	19
FEV1/FVC	NLRP6	cg08961832	rs11605127	0.014	0.005	0.014 (0.003, 0.024)	0.011	0.091	0.683	20
FEV1/FVC	WNT4	cg15582954	rs55938609	-0.025	0.010	-0.025 (-0.044, -0.006)	0.011	0.091	0.040	20
FEV1/FVC	CAPNS1	cg18304093	rs16970932	-0.046	0.018	-0.046 (-0.081, -0.010)	0.011	0.091	0.448	14
FEV1/FVC	TMEM150B	cg01489177	rs10412726	0.013	0.005	0.013 (0.003, 0.022)	0.012	0.092	0.721	20
FEV1/FVC	TP73	cg17986341	rs1745813	-0.029	0.011	-0.029 (-0.051, -0.006)	0.012	0.092	0.314	14
FEV1/FVC	FAIM2	cg09049251	rs2655060	0.022	0.009	0.022 (0.005, 0.039)	0.012	0.092	0.411	19
FEV1/FVC	FADS2	cg07005513	rs174544	0.034	0.013	0.034 (0.008, 0.060)	0.012	0.092	0.484	20
FEV1/FVC	FADS2	cg07591205	rs174544	-0.035	0.014	-0.035 (-0.063, -0.008)	0.012	0.093	0.265	20
FEV1/FVC	ZNF385A	cg09457245	rs3825192	-0.031	0.012	-0.031 (-0.054, -0.007)	0.012	0.094	0.034	20
FEV1/FVC	STAT5A	cg05117208	rs62076928	-0.017	0.007	-0.017 (-0.031, -0.004)	0.012	0.096	0.166	20
FEV1/FVC	IDUA	cg14652403	rs3733345	-0.019	0.008	-0.019 (-0.034, -0.004)	0.012	0.096	0.054	20
FEV1/FVC	OTUB1	cg08231730	rs7942318	0.027	0.011	0.027 (0.006, 0.047)	0.012	0.096	0.567	20
FEV1/FVC	GSDMD	cg15172061	rs58774177	-0.008	0.003	-0.008 (-0.015, -0.002)	0.013	0.097	0.328	20
FEV1/FVC	STK3	cg02675173	rs4131873	0.034	0.013	0.034 (0.007, 0.060)	0.013	0.099	0.421	20
FEV1/FVC	STAT5B	cg18810026	rs62076928	-0.021	0.009	-0.021 (-0.038, -0.004)	0.013	0.099	0.162	20
FEV1/FVC	BLK	cg15742700	rs2244234	0.041	0.017	0.041 (0.009, 0.073)	0.013	0.100	0.025	20
FEV1/FVC	PTH	cg24816298	rs117223787	-0.009	0.004	-0.009 (-0.017, -0.002)	0.013	0.100	0.800	20
FEV1/FVC	MKNK2	cg17068236	rs2302585	0.006	0.003	0.006 (0.001, 0.011)	0.013	0.100	0.625	20
FEV1/FVC	VAMP8	cg05486094	rs13406935	0.027	0.011	0.027 (0.006, 0.048)	0.013	0.100	0.034	20
FEV1/FVC	SH3RF1	cg14017034	rs4692707	-0.045	0.018	-0.045 (-0.081, -0.009)	0.013	0.101	0.794	20
FEV1/FVC	IL6	cg00087425	rs2905333	0.053	0.021	0.053 (0.011, 0.094)	0.014	0.102	0.637	20
FEV1/FVC	CAPN1	cg13762244	rs6591179	-0.023	0.009	-0.023 (-0.041, -0.005)	0.014	0.102	0.591	20
FEV1/FVC	GATA4	cg13434842	rs73203475	0.032	0.013	0.032 (0.007, 0.058)	0.014	0.102	0.045	20
FEV1/FVC	DEPDC5	cg01249860	rs144138198	-0.035	0.014	-0.035 (-0.063, -0.007)	0.014	0.102	0.466	20
FEV1/FVC	LYN	cg08894788	rs2271400	0.016	0.007	0.016 (0.003, 0.030)	0.014	0.103	0.237	20
FEV1/FVC	TRAF1	cg21241889	rs6478484	0.013	0.005	0.013 (0.003, 0.023)	0.014	0.104	0.668	20
FEV1/FVC	PSAP	cg25430995	rs12261323	0.026	0.011	0.026 (0.005, 0.047)	0.014	0.104	0.811	20
FEV1/FVC	HGS	cg13309461	rs35953598	-0.016	0.007	-0.016 (-0.029, -0.003)	0.014	0.104	0.123	20
FEV1/FVC	PRKAG2	cg05953394	rs112119324	0.036	0.014	0.036 (0.007, 0.064)	0.014	0.104	0.616	7
FEV1/FVC	TP73	cg19688837	rs2096224	0.050	0.021	0.050 (0.010, 0.091)	0.014	0.104	0.547	10
FEV1/FVC	PDCD6	cg09097916	rs7706416	0.049	0.020	0.049 (0.010, 0.088)	0.014	0.104	0.066	20
FEV1/FVC	PPP3R1	cg14414124	rs62143871	-0.032	0.013	-0.032 (-0.058, -0.006)	0.014	0.106	0.612	20
FEV1/FVC	HIPK2	cg03224163	rs1860509	-0.044	0.018	-0.044 (-0.079, -0.009)	0.014	0.106	0.073	17
FEV1/FVC	PAFAH1B2	cg10398005	rs2735181	0.037	0.015	0.037 (0.007, 0.067)	0.014	0.106	0.039	20
FEV1/FVC	NLRP6	cg06432119	rs11605127	0.030	0.012	0.030 (0.006, 0.054)	0.014	0.106	0.501	20
FEV1/FVC	FOXK1	cg00064840	rs7784748	-0.011	0.005	-0.011 (-0.020, -0.002)	0.014	0.106	0.967	14

FEV1/FVC	BRSK2	cg23571839	rs61867657	0.011	0.005	0.011 (0.002, 0.021)	0.015	0.106	0.383	20
FEV1/FVC	TSPO	cg20390150	rs762959	0.046	0.019	0.046 (0.009, 0.082)	0.015	0.107	0.063	14
FEV1/FVC	FOXK1	cg13287553	rs7784748	-0.012	0.005	-0.012 (-0.023, -0.002)	0.015	0.107	0.956	14
FEV1/FVC	LGALS9	cg06852032	rs11080242	-0.034	0.014	-0.034 (-0.061, -0.007)	0.015	0.107	0.378	20
FEV1/FVC	DDX5	cg08350119	rs112616321	0.022	0.009	0.022 (0.004, 0.040)	0.015	0.107	0.026	7
FEV1/FVC	FOXK1	cg10118545	rs7784748	-0.013	0.005	-0.013 (-0.024, -0.003)	0.015	0.107	0.940	13
FEV1/FVC	PRKAG2	cg01588379	rs76351165	-0.017	0.007	-0.017 (-0.031, -0.003)	0.015	0.108	0.843	11
FEV1/FVC	TP63	cg12188416	rs9812901	-0.008	0.003	-0.008 (-0.014, -0.002)	0.015	0.108	0.726	20
FEV1/FVC	EPHA2	cg15074789	rs1803527	-0.016	0.007	-0.016 (-0.029, -0.003)	0.015	0.108	0.269	20
FEV1/FVC	INF2	cg01836137	rs56121689	-0.017	0.007	-0.017 (-0.031, -0.003)	0.015	0.108	0.317	20
FEV1/FVC	MKNK2	cg05254098	rs71337080	0.040	0.016	0.040 (0.008, 0.072)	0.015	0.109	0.596	8
FEV1/FVC	BLK	cg13440894	rs9693589	0.039	0.016	0.039 (0.007, 0.071)	0.015	0.110	0.022	18
FEV1/FVC	ACSL5	cg13333374	rs1926565	-0.029	0.012	-0.029 (-0.053, -0.006)	0.015	0.110	0.164	20
FEV1/FVC	GATA4	cg04880278	rs35928010	0.030	0.012	0.030 (0.006, 0.054)	0.015	0.110	0.037	20
FEV1/FVC	MKNK2	cg06552549	rs2302585	0.023	0.010	0.023 (0.004, 0.042)	0.015	0.110	0.449	19
FEV1/FVC	MPO	cg08058156	rs35966900	-0.038	0.016	-0.038 (-0.069, -0.007)	0.015	0.110	0.016	20
FEV1/FVC	MSH6	cg02905881	rs3136292	-0.027	0.011	-0.027 (-0.048, -0.005)	0.015	0.110	0.025	20
FEV1/FVC	NLRP6	cg05864876	rs11605127	0.033	0.014	0.033 (0.006, 0.061)	0.015	0.110	0.342	20
FEV1/FVC	ARF1	cg06625004	rs3768330	0.009	0.004	0.009 (0.002, 0.015)	0.016	0.112	0.024	20
FEV1/FVC	UVRAG	cg05343689	rs2371371	0.024	0.010	0.024 (0.005, 0.044)	0.016	0.112	0.166	18
FEV1/FVC	FOXK1	cg06287775	rs7781115	-0.028	0.012	-0.028 (-0.051, -0.005)	0.016	0.113	0.993	9
FEV1/FVC	PRKAG2	cg07132038	rs10500202	0.018	0.008	0.018 (0.003, 0.033)	0.016	0.113	0.738	10
FEV1/FVC	NCK2	cg13660477	rs4851867	0.045	0.019	0.045 (0.008, 0.082)	0.016	0.113	0.521	20
FEV1/FVC	TRAF1	cg14518276	rs6478486	0.018	0.007	0.018 (0.003, 0.032)	0.016	0.114	0.798	20
FEV1/FVC	FHIT	cg25921543	rs212032	0.035	0.014	0.035 (0.006, 0.063)	0.016	0.114	0.052	20
FEV1/FVC	ZC3H12A	cg16371538	rs2456802	0.012	0.005	0.012 (0.002, 0.021)	0.016	0.114	0.523	20
FEV1/FVC	PDLIM1	cg19190632	rs6583987	-0.029	0.012	-0.029 (-0.053, -0.005)	0.016	0.114	0.617	20
FEV1/FVC	STAT5A	cg03001305	rs34129849	0.030	0.012	0.030 (0.005, 0.054)	0.016	0.115	0.554	20
FEV1/FVC	XBP1	cg18940763	rs2881496	0.021	0.009	0.021 (0.004, 0.038)	0.017	0.117	0.566	20
FEV1/FVC	ATP2A1	cg04414917	rs12928404	0.015	0.006	0.015 (0.003, 0.026)	0.017	0.117	0.715	20
FEV1/FVC	FADS2	cg16576620	rs968567	0.039	0.016	0.039 (0.007, 0.071)	0.017	0.118	0.383	20
FEV1/FVC	STAT5A	cg06357561	rs34129849	0.032	0.013	0.032 (0.006, 0.058)	0.017	0.118	0.564	20
FEV1/FVC	LZTS1	cg13583414	rs4921697	-0.029	0.012	-0.029 (-0.054, -0.005)	0.017	0.118	0.046	16
FEV1/FVC	TRAF1	cg21152671	rs1008381	0.012	0.005	0.012 (0.002, 0.022)	0.017	0.118	0.754	20
FEV1/FVC	NLRP6	cg16359142	rs11605127	0.039	0.016	0.039 (0.007, 0.071)	0.017	0.119	0.898	20
FEV1/FVC	BAG3	cg17076667	rs196326	-0.010	0.004	-0.010 (-0.019, -0.002)	0.018	0.122	0.019	20
FEV1/FVC	E2F2	cg11526198	rs11591199	-0.018	0.008	-0.018 (-0.034, -0.003)	0.018	0.122	0.213	20
FEV1/FVC	NFATC4	cg26705574	rs7148384	0.028	0.012	0.028 (0.005, 0.052)	0.018	0.123	0.342	20
FEV1/FVC	PTGIS	cg06357305	rs56382860	-0.044	0.018	-0.044 (-0.080, -0.007)	0.018	0.124	0.019	9
FEV1/FVC	STAT5A	cg17478203	rs62076928	-0.040	0.017	-0.040 (-0.074, -0.007)	0.018	0.125	0.337	20
FEV1/FVC	KIF25	cg04680494	rs4708629	0.041	0.017	0.041 (0.007, 0.075)	0.018	0.125	0.031	20
FEV1/FVC	E2F1	cg00509772	rs3213183	-0.025	0.010	-0.025 (-0.045, -0.004)	0.018	0.125	0.236	20

FEV1/FVC	CTSA	cg03206537	rs3746506	0.040	0.017	0.040 (0.007, 0.074)	0.018	0.125	0.177	20
FEV1/FVC	LTBR	cg15784615	rs11611855	0.036	0.015	0.036 (0.006, 0.066)	0.019	0.126	0.122	8
FEV1/FVC	WWOX	cg02795629	rs391870	0.040	0.017	0.040 (0.007, 0.073)	0.019	0.126	0.546	20
FEV1/FVC	NFATC4	cg07162820	rs28365903	0.007	0.003	0.007 (0.001, 0.013)	0.019	0.126	0.242	20
FEV1/FVC	NDUFA13	cg08815677	rs1054308	-0.022	0.009	-0.022 (-0.040, -0.004)	0.019	0.127	0.662	20
FEV1/FVC	NFATC4	cg01658259	rs28365903	0.009	0.004	0.009 (0.001, 0.016)	0.019	0.127	0.194	20
FEV1/FVC	KDR	cg25444386	rs13126206	-0.046	0.020	-0.046 (-0.085, -0.008)	0.019	0.127	0.022	5
FEV1/FVC	CASP8	cg26842802	rs6754084	0.035	0.015	0.035 (0.006, 0.064)	0.019	0.127	0.486	20
FEV1/FVC	E2F2	cg24254937	rs11591199	-0.023	0.010	-0.023 (-0.043, -0.004)	0.019	0.127	0.470	20
FEV1/FVC	NFATC4	cg13536265	rs28365903	0.012	0.005	0.012 (0.002, 0.023)	0.019	0.129	0.307	20
FEV1/FVC	MKNK2	cg06521145	rs880183	0.037	0.016	0.037 (0.006, 0.068)	0.019	0.129	0.903	10
FEV1/FVC	PDLIM1	cg10266121	rs7101278	0.021	0.009	0.021 (0.003, 0.039)	0.020	0.130	0.482	20
FEV1/FVC	NCK2	cg09152813	rs6726571	0.005	0.002	0.005 (0.001, 0.009)	0.020	0.130	0.227	20
FEV1/FVC	POU4F1	cg06675375	rs9530809	0.028	0.012	0.028 (0.005, 0.052)	0.020	0.131	0.203	20
FEV1/FVC	PPIF	cg03648155	rs1892498	-0.022	0.009	-0.022 (-0.040, -0.003)	0.020	0.131	0.093	20
FEV1/FVC	TP53INP1	cg23172400	rs10956933	-0.006	0.003	-0.006 (-0.011, -0.001)	0.020	0.131	0.652	20
FEV1/FVC	TRAP1	cg04439028	rs710891	-0.037	0.016	-0.037 (-0.068, -0.006)	0.020	0.132	0.057	20
FEV1/FVC	HIPK2	cg03369382	rs11769961	-0.047	0.020	-0.047 (-0.086, -0.007)	0.020	0.132	0.492	20
FEV1/FVC	ATP6V0A1	cg15269394	rs35111218	0.045	0.020	0.045 (0.007, 0.084)	0.020	0.132	0.270	17
FEV1/FVC	PRKAG2	cg23351327	rs76351165	-0.029	0.013	-0.029 (-0.054, -0.005)	0.020	0.132	0.643	6
FEV1/FVC	AP1S1	cg24080086	rs10281471	-0.041	0.018	-0.041 (-0.076, -0.006)	0.020	0.132	0.096	16
FEV1/FVC	MKNK2	cg00434573	rs12610177	-0.015	0.006	-0.015 (-0.027, -0.002)	0.020	0.132	0.522	20
FEV1/FVC	YWHAZ	cg04962480	rs3105460	-0.009	0.004	-0.009 (-0.017, -0.001)	0.021	0.136	0.912	20
FEV1/FVC	AP3B1	cg08976646	rs13185314	0.037	0.016	0.037 (0.006, 0.069)	0.021	0.136	0.451	13
FEV1/FVC	TFEB	cg02284014	rs114431690	0.016	0.007	0.016 (0.002, 0.030)	0.021	0.137	0.366	20
FEV1/FVC	FADS2	cg14911132	rs61897793	0.014	0.006	0.014 (0.002, 0.026)	0.021	0.138	0.160	20
FEV1/FVC	FEZ1	cg05390307	rs11220103	-0.043	0.019	-0.043 (-0.081, -0.006)	0.022	0.140	0.017	20
FEV1/FVC	DAPK2	cg24729988	rs12902972	-0.034	0.015	-0.034 (-0.063, -0.005)	0.022	0.140	0.557	20
FEV1/FVC	AGA	cg00398048	rs12499096	0.006	0.003	0.006 (0.001, 0.012)	0.022	0.141	0.628	20
FEV1/FVC	RPS27L	cg02713581	rs2292038	-0.020	0.009	-0.020 (-0.038, -0.003)	0.022	0.141	0.048	20
FEV1/FVC	C15orf37;ST20	cg01843524	rs8033601	0.009	0.004	0.009 (0.001, 0.017)	0.022	0.141	0.061	20
FEV1/FVC	FOXK1	cg09789173	rs7793919	-0.007	0.003	-0.007 (-0.012, -0.001)	0.022	0.142	0.998	17
FEV1/FVC	INF2	cg22090592	rs11851852	-0.012	0.005	-0.012 (-0.023, -0.002)	0.022	0.142	0.346	20
FEV1/FVC	EPM2A	cg05220968	rs6902404	0.019	0.008	0.019 (0.003, 0.036)	0.022	0.143	0.502	9
FEV1/FVC	UMOD	cg03084308	rs13333226	0.019	0.008	0.019 (0.003, 0.035)	0.022	0.143	0.140	20
FEV1/FVC	CAPN1	cg07710883	rs564476	0.020	0.009	0.020 (0.003, 0.038)	0.022	0.143	0.559	20
FEV1/FVC	NFATC4	cg10974463	rs28365903	-0.026	0.012	-0.026 (-0.049, -0.004)	0.023	0.144	0.339	20
FEV1/FVC	CD164	cg09416154	rs36099706	0.025	0.011	0.025 (0.004, 0.047)	0.023	0.145	0.932	20
FEV1/FVC	NCKAP1	cg11711114	rs72888487	-0.043	0.019	-0.043 (-0.080, -0.006)	0.023	0.146	0.754	20
FEV1/FVC	TMEM150B	cg19510663	rs2384689	0.043	0.019	0.043 (0.006, 0.079)	0.023	0.148	0.522	20
FEV1/FVC	FOXK1	cg05764847	rs7793919	0.015	0.007	0.015 (0.002, 0.029)	0.023	0.148	0.989	11
FEV1/FVC	MLKL	cg07846061	rs72792727	-0.008	0.003	-0.008 (-0.014, -0.001)	0.024	0.148	0.053	20

FEV1/FVC	AP3B2	cg06459070	rs8043401	0.031	0.014	0.031 (0.004, 0.058)	0.023	0.148	0.171	20
FEV1/FVC	JAK1	cg07453451	rs11208554	-0.030	0.013	-0.030 (-0.056, -0.004)	0.024	0.148	0.189	20
FEV1/FVC	THBS1	cg05886626	rs2618164	0.015	0.007	0.015 (0.002, 0.029)	0.024	0.148	0.166	20
FEV1/FVC	TGFB1	cg20748073	rs16958999	-0.023	0.010	-0.023 (-0.042, -0.003)	0.024	0.148	0.031	20
FEV1/FVC	FYN	cg04657000	rs1887315	0.025	0.011	0.025 (0.003, 0.046)	0.024	0.149	0.096	20
FEV1/FVC	JAK2	cg13568515	rs57204002	0.005	0.002	0.005 (0.001, 0.010)	0.024	0.150	0.120	20
FEV1/FVC	VAMP8	cg18892132	rs13406611	0.016	0.007	0.016 (0.002, 0.030)	0.024	0.151	0.716	20
FEV1/FVC	NLRP6	cg23437420	rs521922	0.029	0.013	0.029 (0.004, 0.054)	0.024	0.151	0.550	20
FEV1/FVC	AP3B2	cg19175742	rs8043401	0.033	0.014	0.033 (0.004, 0.061)	0.024	0.151	0.099	20
FEV1/FVC	UMOD	cg09792189	rs9926784	-0.045	0.020	-0.045 (-0.084, -0.006)	0.024	0.151	0.243	20
FEV1/FVC	MSH6	cg15355298	rs1800935	-0.045	0.020	-0.045 (-0.085, -0.006)	0.024	0.151	0.115	11
FEV1/FVC	RPTOR	cg04662369	rs9915667	-0.006	0.002	-0.006 (-0.010, -0.001)	0.025	0.152	0.163	20
FEV1/FVC	STXBP2	cg04770751	rs3745361	0.020	0.009	0.020 (0.003, 0.037)	0.025	0.152	0.440	20
FEV1/FVC	USP10	cg07795346	rs3751760	-0.028	0.013	-0.028 (-0.053, -0.004)	0.025	0.152	0.118	20
FEV1/FVC	ZC3H12A	cg19872095	rs2456802	0.041	0.018	0.041 (0.005, 0.077)	0.025	0.153	0.112	12
FEV1/FVC	ITPR1	cg13707945	rs4684433	0.044	0.019	0.044 (0.005, 0.082)	0.025	0.153	0.985	10
FEV1/FVC	PRKCA	cg04955246	rs9635753	0.041	0.018	0.041 (0.005, 0.077)	0.025	0.153	0.809	20
FEV1/FVC	SEC22B	cg16511445	rs6670984	0.033	0.015	0.033 (0.004, 0.063)	0.025	0.153	0.302	17
FEV1/FVC	TP73	cg02134594	rs3765754	0.020	0.009	0.020 (0.002, 0.037)	0.025	0.153	0.255	20
FEV1/FVC	PDK2	cg16035921	rs60269840	0.008	0.004	0.008 (0.001, 0.015)	0.025	0.154	0.116	20
FEV1/FVC	STXBP2	cg24759919	rs3745364	0.007	0.003	0.007 (0.001, 0.012)	0.025	0.154	0.470	20
FEV1/FVC	NLRP6	cg22331032	rs521922	0.031	0.014	0.031 (0.004, 0.059)	0.025	0.154	0.147	20
FEV1/FVC	TFDP1	cg07276358	rs2260766	0.031	0.014	0.031 (0.004, 0.059)	0.025	0.154	0.067	20
FEV1/FVC	FYN	cg16155724	rs1887315	0.029	0.013	0.029 (0.004, 0.054)	0.025	0.154	0.546	20
FEV1/FVC	PRKCA	cg17069533	rs9635753	0.042	0.019	0.042 (0.005, 0.079)	0.026	0.154	0.751	20
FEV1/FVC	TFDP1	cg07804973	rs2260766	0.032	0.014	0.032 (0.004, 0.060)	0.026	0.154	0.137	20
FEV1/FVC	STXBP2	cg27546241	rs3745364	0.010	0.004	0.010 (0.001, 0.018)	0.026	0.155	0.364	20
FEV1/FVC	IKBKE	cg26859016	rs2297550	-0.022	0.010	-0.022 (-0.042, -0.003)	0.026	0.158	0.014	17
FEV1/FVC	CFLAR	cg23681745	rs12465952	-0.037	0.017	-0.037 (-0.071, -0.004)	0.026	0.158	0.293	20
FEV1/FVC	DAB2IP	cg13758780	rs12380661	0.015	0.007	0.015 (0.002, 0.027)	0.027	0.159	0.788	20
FEV1/FVC	PPARD	cg15611037	rs9296154	-0.033	0.015	-0.033 (-0.062, -0.004)	0.027	0.159	0.069	20
FEV1/FVC	PRKCA	cg04658038	rs9635753	0.044	0.020	0.044 (0.005, 0.083)	0.027	0.159	0.243	20
FEV1/FVC	HYAL2	cg12150256	rs7642692	-0.025	0.011	-0.025 (-0.048, -0.003)	0.027	0.159	0.064	20
FEV1/FVC	HGS	cg20161132	rs35667637	-0.027	0.012	-0.027 (-0.051, -0.003)	0.027	0.161	0.276	20
FEV1/FVC	GLS	cg21497043	rs11894425	0.021	0.009	0.021 (0.002, 0.039)	0.027	0.162	0.589	20
FEV1/FVC	BRSK2	cg02282118	rs4341570	0.006	0.003	0.006 (0.001, 0.011)	0.027	0.162	0.368	20
FEV1/FVC	TP73	cg00505606	rs3765754	0.028	0.013	0.028 (0.003, 0.053)	0.028	0.164	0.046	17
FEV1/FVC	LTBR	cg04911821	rs28999107	0.010	0.004	0.010 (0.001, 0.018)	0.028	0.164	0.039	13
FEV1/FVC	ENTPD4	cg14564237	rs12155806	0.037	0.017	0.037 (0.004, 0.071)	0.028	0.165	0.486	20
FEV1/FVC	AGA	cg16070743	rs12499096	0.032	0.015	0.032 (0.003, 0.061)	0.028	0.165	0.956	14
FEV1/FVC	KAT5	cg04321396	rs4930305	0.023	0.010	0.023 (0.002, 0.044)	0.028	0.165	0.070	20
FEV1/FVC	NAPSA	cg25286393	rs1405655	0.020	0.009	0.020 (0.002, 0.038)	0.028	0.165	0.522	20

FEV1/FVC	ATF6	cg12648759	rs1847383	0.008	0.004	0.008 (0.001, 0.016)	0.028	0.166	0.082	20
FEV1/FVC	CLTB	cg24735937	rs67877276	-0.010	0.004	-0.010 (-0.018, -0.001)	0.028	0.166	0.541	20
FEV1/FVC	IL6R	cg17001401	rs12739228	0.025	0.011	0.025 (0.003, 0.047)	0.029	0.166	0.101	18
FEV1/FVC	GALNS	cg04551282	rs3826070	0.011	0.005	0.011 (0.001, 0.021)	0.029	0.167	0.755	20
FEV1/FVC	GSDMA	cg10794714	rs4239225	0.033	0.015	0.033 (0.003, 0.062)	0.029	0.168	0.059	20
FEV1/FVC	TP73	cg03103850	rs3765754	0.031	0.014	0.031 (0.003, 0.060)	0.029	0.168	0.055	15
FEV1/FVC	TFRC	cg16311045	rs112577972	0.027	0.012	0.027 (0.003, 0.051)	0.029	0.169	0.121	20
FEV1/FVC	BRSK2	cg23163513	rs3829225	-0.018	0.008	-0.018 (-0.034, -0.002)	0.031	0.175	0.060	20
FEV1/FVC	MKNK2	cg23899359	rs12610177	-0.044	0.020	-0.044 (-0.083, -0.004)	0.031	0.175	0.794	11
FEV1/FVC	PLK3	cg27583604	rs11211032	-0.036	0.017	-0.036 (-0.068, -0.003)	0.031	0.175	0.211	20
FEV1/FVC	OTUB1	cg12836303	rs12417157	-0.008	0.004	-0.008 (-0.016, -0.001)	0.031	0.176	0.204	20
FEV1/FVC	FADS2	cg07999042	rs61897793	-0.042	0.019	-0.042 (-0.080, -0.004)	0.031	0.176	0.553	10
FEV1/FVC	RPTOR	cg17481637	rs2589151	0.007	0.003	0.007 (0.001, 0.013)	0.031	0.177	0.810	20
FEV1/FVC	SGPL1	cg13770865	rs75912398	0.021	0.010	0.021 (0.002, 0.040)	0.031	0.177	0.530	20
FEV1/FVC	INF2	cg13578465	rs4996691	-0.010	0.005	-0.010 (-0.020, -0.001)	0.031	0.177	0.491	20
FEV1/FVC	MAEL	cg00001349	rs17551703	-0.037	0.017	-0.037 (-0.070, -0.003)	0.031	0.177	0.351	20
FEV1/FVC	TP73	cg19692322	rs3765754	0.036	0.017	0.036 (0.003, 0.069)	0.031	0.178	0.081	13
FEV1/FVC	INF2	cg11730703	rs4996691	-0.012	0.006	-0.012 (-0.023, -0.001)	0.031	0.178	0.321	20
FEV1/FVC	INF2	cg27286011	rs4996691	-0.013	0.006	-0.013 (-0.024, -0.001)	0.031	0.178	0.544	20
FEV1/FVC	NAPSA	cg08194323	rs1405655	0.029	0.013	0.029 (0.003, 0.055)	0.031	0.178	0.830	20
FEV1/FVC	STXBP2	cg24479032	rs56272042	0.037	0.017	0.037 (0.003, 0.070)	0.032	0.179	0.186	19
FEV1/FVC	GALNS	cg04458924	rs3826066	0.011	0.005	0.011 (0.001, 0.021)	0.032	0.179	0.618	20
FEV1/FVC	KDR	cg18177533	rs1350542	-0.044	0.020	-0.044 (-0.084, -0.004)	0.032	0.180	0.092	13
FEV1/FVC	S100A9	cg26937038	rs12119788	0.025	0.012	0.025 (0.002, 0.048)	0.032	0.180	0.125	6
FEV1/FVC	DEF8	cg03721293	rs78517194	0.013	0.006	0.013 (0.001, 0.025)	0.033	0.182	0.392	20
FEV1/FVC	ATG2B	cg01050076	rs3809420	-0.027	0.013	-0.027 (-0.051, -0.002)	0.033	0.182	0.348	12
FEV1/FVC	DEF8	cg04752812	rs78517194	0.018	0.008	0.018 (0.001, 0.034)	0.034	0.188	0.469	20
FEV1/FVC	LARP1	cg06912665	rs3867429	-0.022	0.010	-0.022 (-0.042, -0.002)	0.034	0.188	0.696	20
FEV1/FVC	PSAP	cg00244894	rs2070188	0.006	0.003	0.006 (0.000, 0.011)	0.034	0.189	0.620	20
FEV1/FVC	SLC39A8	cg14579898	rs151403	-0.018	0.009	-0.018 (-0.036, -0.001)	0.034	0.189	0.152	20
FEV1/FVC	SGPL1	cg15420153	rs75395824	0.016	0.007	0.016 (0.001, 0.030)	0.034	0.189	0.433	20
FEV1/FVC	TP73	cg19819912	rs3765754	0.042	0.020	0.042 (0.003, 0.080)	0.034	0.189	0.152	9
FEV1/FVC	ATG7	cg03589820	rs59137166	0.040	0.019	0.040 (0.003, 0.076)	0.034	0.189	0.824	20
FEV1/FVC	GATA2	cg06796779	rs7620408	0.039	0.018	0.039 (0.003, 0.075)	0.034	0.189	0.118	18
FEV1/FVC	S100A9	cg05848175	rs12119788	0.028	0.013	0.028 (0.002, 0.055)	0.034	0.189	0.088	7
FEV1/FVC	CBS	cg15300856	rs2850144	0.007	0.003	0.007 (0.001, 0.014)	0.034	0.189	0.860	20
FEV1/FVC	TP73	cg06996273	rs3765754	0.042	0.020	0.042 (0.003, 0.081)	0.034	0.189	0.372	4
FEV1/FVC	TLR3	cg14827929	rs28524783	0.043	0.020	0.043 (0.003, 0.082)	0.034	0.189	0.056	20
FEV1/FVC	C15orf37;ST20	cg26829925	rs28671106	-0.035	0.017	-0.035 (-0.068, -0.003)	0.035	0.190	0.056	20
FEV1/FVC	RPL11	cg24406162	rs7521548	0.010	0.005	0.010 (0.001, 0.019)	0.035	0.190	0.439	20
FEV1/FVC	CBS	cg22633722	rs2850144	0.011	0.005	0.011 (0.001, 0.022)	0.035	0.192	0.808	20
FEV1/FVC	WIPI2	cg07762099	rs73048056	-0.015	0.007	-0.015 (-0.029, -0.001)	0.035	0.193	0.974	20

FEV1/FVC	ARL16;HGS	cg08782899	rs34384005	-0.023	0.011	-0.023 (-0.044, -0.002)	0.035	0.193	0.074	20
FEV1/FVC	HGS	cg16886672	rs35821128	-0.034	0.016	-0.034 (-0.066, -0.002)	0.036	0.194	0.149	17
FEV1/FVC	ATF3	cg25386151	rs6696022	-0.041	0.020	-0.041 (-0.079, -0.003)	0.036	0.194	0.954	20
FEV1/FVC	NCK2	cg01577187	rs12616493	-0.040	0.019	-0.040 (-0.077, -0.003)	0.036	0.195	0.015	20
FEV1/FVC	MMP9	cg09149648	rs2250889	0.033	0.016	0.033 (0.002, 0.064)	0.036	0.196	0.994	8
FEV1/FVC	ARL16;HGS	cg22209573	rs35619236	-0.040	0.019	-0.040 (-0.077, -0.003)	0.036	0.196	0.442	17
FEV1/FVC	LAPTM4B	cg20541656	rs147931051	-0.016	0.008	-0.016 (-0.031, -0.001)	0.037	0.198	0.170	20
FEV1/FVC	FGFR3	cg00077738	rs28681468	0.013	0.006	0.013 (0.001, 0.026)	0.037	0.199	0.368	20
FEV1/FVC	TSC2	cg04328826	rs12926737	0.034	0.016	0.034 (0.002, 0.066)	0.037	0.199	0.117	18
FEV1/FVC	SGSH	cg06331359	rs112984162	0.043	0.021	0.043 (0.003, 0.083)	0.037	0.199	0.297	20
FEV1/FVC	BRSK2	cg03817164	rs7931497	-0.013	0.006	-0.013 (-0.026, -0.001)	0.037	0.199	0.124	20
FEV1/FVC	STXBP2	cg27508769	rs35020672	0.041	0.020	0.041 (0.002, 0.080)	0.037	0.200	0.525	20
FEV1/FVC	CFLAR	cg13311930	rs67917463	0.035	0.017	0.035 (0.002, 0.069)	0.037	0.200	0.586	20
FEV1/FVC	PRKAG2	cg20972917	rs74882587	0.039	0.019	0.039 (0.002, 0.077)	0.037	0.200	0.167	17
FEV1/FVC	PDHB	cg07576186	rs62259782	-0.004	0.002	-0.004 (-0.008, -0.000)	0.038	0.201	0.026	20
FEV1/FVC	LYN	cg06818377	rs72651456	-0.013	0.006	-0.013 (-0.025, -0.001)	0.038	0.201	0.013	20
FEV1/FVC	PIP4K2A	cg09273683	rs16922580	0.026	0.012	0.026 (0.001, 0.050)	0.038	0.202	0.026	20
FEV1/FVC	HGS	cg05283453	rs34033471	0.032	0.015	0.032 (0.002, 0.062)	0.038	0.203	0.030	11
FEV1/FVC	PAK2	cg12930392	rs2686598	0.011	0.005	0.011 (0.001, 0.022)	0.038	0.204	0.572	20
FEV1/FVC	NCK2	cg10808560	rs3769500	0.029	0.014	0.029 (0.002, 0.056)	0.039	0.205	0.060	20
FEV1/FVC	GAB2	cg25414537	rs71471414	-0.017	0.008	-0.017 (-0.032, -0.001)	0.039	0.205	0.211	6
FEV1/FVC	DDX47	cg21196265	rs11832039	0.031	0.015	0.031 (0.002, 0.060)	0.039	0.206	0.916	17
FEV1/FVC	ARSB	cg11837534	rs337853	-0.033	0.016	-0.033 (-0.064, -0.002)	0.039	0.206	0.037	19
FEV1/FVC	ATP6V1B2	cg04395689	rs13252207	0.019	0.009	0.019 (0.001, 0.037)	0.040	0.209	0.823	20
FEV1/FVC	PTGIS	cg05932408	rs1875563	-0.040	0.020	-0.040 (-0.079, -0.002)	0.040	0.209	0.183	17
FEV1/FVC	DRAM1	cg10143723	rs79656532	0.021	0.010	0.021 (0.001, 0.041)	0.040	0.209	0.041	20
FEV1/FVC	ZMYND11	cg09859564	rs118088467	0.025	0.012	0.025 (0.001, 0.049)	0.040	0.209	0.725	20
FEV1/FVC	RRAGC	cg01799521	rs9726587	0.022	0.011	0.022 (0.001, 0.043)	0.040	0.209	0.048	20
FEV1/FVC	BRSK2	cg24206507	rs9795439	-0.022	0.011	-0.022 (-0.043, -0.001)	0.040	0.210	0.391	20
FEV1/FVC	ABL1	cg13440206	rs10901288	0.039	0.019	0.039 (0.002, 0.077)	0.040	0.211	0.362	18
FEV1/FVC	AP1S1	cg16914953	rs3919482	0.016	0.008	0.016 (0.001, 0.031)	0.040	0.211	0.127	20
FEV1/FVC	FNIP2	cg05539369	rs13123982	-0.041	0.020	-0.041 (-0.081, -0.002)	0.041	0.213	0.345	11
FEV1/FVC	BCL10	cg02862864	rs11576939	-0.007	0.003	-0.007 (-0.013, -0.000)	0.042	0.217	0.957	20
FEV1/FVC	PAK2	cg21104449	rs7612937	0.008	0.004	0.008 (0.000, 0.016)	0.042	0.217	0.288	20
FEV1/FVC	RET	cg06632098	rs1864402	0.005	0.002	0.005 (0.000, 0.010)	0.042	0.217	0.169	20
FEV1/FVC	PIK3R1	cg26878542	rs56352616	-0.018	0.009	-0.018 (-0.035, -0.001)	0.042	0.217	0.595	20
FEV1/FVC	NFATC4	cg20941956	rs2228233	0.009	0.004	0.009 (0.000, 0.017)	0.042	0.218	0.169	20
FEV1/FVC	EYA2	cg26046136	rs6018188	0.023	0.011	0.023 (0.001, 0.046)	0.042	0.218	0.899	20
FEV1/FVC	TMC8;TMC6	cg16935597	rs17773854	-0.024	0.012	-0.024 (-0.048, -0.001)	0.043	0.220	0.194	18
FEV1/FVC	HSPA8	cg10886020	rs111706621	-0.013	0.006	-0.013 (-0.025, -0.000)	0.043	0.223	0.552	20
FEV1/FVC	LAPTM4B	cg01857802	rs2449506	-0.031	0.015	-0.031 (-0.061, -0.001)	0.044	0.223	0.223	14
FEV1/FVC	TP73	cg23052055	rs55657548	0.012	0.006	0.012 (0.000, 0.024)	0.044	0.223	0.303	19

FEV1/FVC	CASP10	cg12105450	rs3900115	-0.016	0.008	-0.016 (-0.032, -0.000)	0.044	0.223	0.237	20
FEV1/FVC	TMEM161A	cg19262631	rs10414676	0.038	0.019	0.038 (0.001, 0.075)	0.044	0.223	0.326	18
FEV1/FVC	DRAM1	cg18394118	rs79650959	0.025	0.012	0.025 (0.001, 0.049)	0.044	0.223	0.024	20
FEV1/FVC	GATA4	cg12637676	rs13278982	-0.031	0.015	-0.031 (-0.060, -0.001)	0.044	0.223	0.034	20
FEV1/FVC	CALCOCO2	cg02753187	rs575556	0.033	0.017	0.033 (0.001, 0.066)	0.044	0.224	0.103	20
FEV1/FVC	GALNS	cg07731312	rs3859025	0.027	0.013	0.027 (0.001, 0.053)	0.044	0.224	0.704	20
FEV1/FVC	BRSK2	cg25836589	rs10766599	0.018	0.009	0.018 (0.000, 0.035)	0.045	0.228	0.565	20
FEV1/FVC	CAPZB	cg12424867	rs12563442	0.040	0.020	0.040 (0.001, 0.079)	0.045	0.228	0.045	20
FEV1/FVC	CHGA	cg10166151	rs2402224	-0.020	0.010	-0.020 (-0.039, -0.000)	0.045	0.228	0.078	20
FEV1/FVC	BCL10	cg17322118	rs2735587	0.005	0.002	0.005 (0.000, 0.010)	0.046	0.229	0.630	20
FEV1/FVC	JAK1	cg12075498	rs4915675	-0.004	0.002	-0.004 (-0.008, -0.000)	0.046	0.229	0.029	20
FEV1/FVC	RPTOR	cg20502501	rs2138116	-0.005	0.002	-0.005 (-0.010, -0.000)	0.046	0.229	0.286	20
FEV1/FVC	E2F2	cg22040403	rs2742976	-0.005	0.003	-0.005 (-0.010, -0.000)	0.046	0.229	0.099	20
FEV1/FVC	LGALS8	cg01809927	rs1160	0.006	0.003	0.006 (0.000, 0.012)	0.046	0.229	0.727	20
FEV1/FVC	BCL2	cg16445842	rs2279115	0.031	0.016	0.031 (0.001, 0.062)	0.046	0.229	0.920	15
FEV1/FVC	SGPL1	cg09740037	rs111439207	-0.022	0.011	-0.022 (-0.045, -0.000)	0.046	0.229	0.489	20
FEV1/FVC	TRIML1	cg03199958	rs73023226	0.014	0.007	0.014 (0.000, 0.028)	0.046	0.229	0.876	20
FEV1/FVC	BAX	cg01284415	rs1862492	0.009	0.005	0.009 (0.000, 0.019)	0.046	0.231	0.056	20
FEV1/FVC	PDX1	cg03907847	rs7990857	0.038	0.019	0.038 (0.001, 0.076)	0.047	0.231	0.883	5
FEV1/FVC	ZBTB22;DAXX	cg10585379	rs3130256	-0.031	0.015	-0.031 (-0.061, -0.000)	0.047	0.231	0.014	18
FEV1/FVC	RPS27L	cg19279045	rs12594313	-0.039	0.020	-0.039 (-0.077, -0.001)	0.047	0.231	0.582	20
FEV1/FVC	GDNF	cg07309340	rs2910704	-0.037	0.018	-0.037 (-0.073, -0.001)	0.047	0.231	0.094	20
FEV1/FVC	BCL10	cg16377367	rs2735587	0.012	0.006	0.012 (0.000, 0.025)	0.047	0.232	0.765	20
FEV1/FVC	NUPR1	cg01542023	rs11074911	0.012	0.006	0.012 (0.000, 0.024)	0.047	0.232	0.801	20
FEV1/FVC	KITLG	cg17399545	rs11104881	0.037	0.019	0.037 (0.000, 0.075)	0.047	0.233	0.582	20
FEV1/FVC	TERT	cg13924604	rs4449583	0.034	0.017	0.034 (0.000, 0.067)	0.048	0.234	0.108	14
FEV1/FVC	CHGA	cg01901466	rs2402224	-0.026	0.013	-0.026 (-0.051, -0.000)	0.048	0.234	0.037	19
FEV1/FVC	BAX	cg14833160	rs1862492	0.015	0.008	0.015 (0.000, 0.031)	0.048	0.235	0.322	20
FEV1/FVC	AATF	cg14974722	rs9905721	-0.026	0.013	-0.026 (-0.052, -0.000)	0.048	0.235	0.951	8
FEV1/FVC	AATF	cg06385152	rs9905721	-0.026	0.013	-0.026 (-0.052, -0.000)	0.048	0.235	0.862	6
FEV1/FVC	ACSL1	cg27571769	rs7680850	0.024	0.012	0.024 (0.000, 0.047)	0.048	0.235	0.964	20
FEV1/FVC	NUPR1	cg15149645	rs17640009	0.015	0.007	0.015 (0.000, 0.029)	0.048	0.235	0.706	20
FEV1/FVC	ATF6	cg22522357	rs2341476	0.006	0.003	0.006 (0.000, 0.011)	0.048	0.236	0.038	20
FEV1/FVC	TPCN2	cg23247191	rs657157	0.039	0.020	0.039 (0.000, 0.078)	0.048	0.236	0.726	20
FEV1/FVC	FNIP2	cg05615763	rs34033556	-0.017	0.009	-0.017 (-0.034, -0.000)	0.048	0.236	0.314	20
FEV1/FVC	PERP	cg24555822	rs9494937	-0.018	0.009	-0.018 (-0.036, -0.000)	0.050	0.240	0.717	20
FEV1/FVC	JAK2	cg02405213	rs7046077	0.004	0.002	0.004 (0.000, 0.008)	0.050	0.240	0.550	20
FEV1/FVC	WIPI2	cg26660312	rs11761408	0.006	0.003	0.006 (0.000, 0.012)	0.050	0.240	0.992	20
FEV1/FVC	WIPI2	cg00579868	rs11761408	0.007	0.003	0.007 (0.000, 0.014)	0.050	0.240	0.997	20
FEV1/FVC	WIPI2	cg00393985	rs11761408	0.006	0.003	0.006 (0.000, 0.013)	0.050	0.240	0.970	20
FEV1/FVC	SFRP2	cg24968721	rs28367474	-0.034	0.018	-0.034 (-0.069, -0.000)	0.050	0.240	0.014	20
FEV1/FVC	G0S2	cg14824901	rs73087477	0.028	0.014	0.028 (0.000, 0.056)	0.050	0.240	0.206	16

PEF	LAPTM5	cg15459165	rs12744988	-0.088	0.012	-0.088 (-0.111, -0.065)	4.26E-14	1.59E-11	0.057	20
PEF	TP53INP2	cg20592836	rs2378256	0.012	0.002	0.012 (0.008, 0.016)	1.65E-09	1.90E-07	0.011	20
PEF	TP53INP2	cg06115741	rs910869	0.023	0.004	0.023 (0.015, 0.031)	4.03E-09	4.38E-07	0.029	20
PEF	GLS	cg21497043	rs11894425	0.065	0.012	0.065 (0.043, 0.088)	1.30E-08	1.27E-06	0.420	20
PEF	TRIM27	cg27120125	rs13200214	0.242	0.043	0.242 (0.159, 0.326)	1.32E-08	1.27E-06	0.391	20
PEF	TSC2	cg02851047	rs9928737	0.036	0.007	0.036 (0.024, 0.049)	2.31E-08	2.12E-06	0.298	20
PEF	CAPZB	cg13319175	rs6683394	-0.188	0.035	-0.188 (-0.256, -0.120)	5.82E-08	4.90E-06	0.095	20
PEF	TP53INP2	cg00820065	rs6058108	-0.051	0.010	-0.051 (-0.070, -0.033)	8.19E-08	6.70E-06	0.165	20
PEF	FAF1	cg07174182	rs72900940	-0.018	0.003	-0.018 (-0.025, -0.012)	8.77E-08	7.08E-06	0.015	20
PEF	NEU1	cg13634177	rs3130455	0.254	0.048	0.254 (0.160, 0.347)	9.94E-08	7.81E-06	0.478	20
PEF	INF2	cg16004738	rs4444271	-0.020	0.004	-0.020 (-0.028, -0.013)	3.13E-07	2.39E-05	0.224	20
PEF	PCGF2	cg02433498	rs68075021	0.065	0.013	0.065 (0.040, 0.089)	3.28E-07	2.48E-05	0.139	20
PEF	INF2	cg23343291	rs34055148	-0.025	0.005	-0.025 (-0.034, -0.015)	4.76E-07	3.42E-05	0.048	20
PEF	NEU1	cg27645345	rs116312062	0.199	0.040	0.199 (0.121, 0.277)	5.79E-07	4.11E-05	0.030	20
PEF	INF2	cg02918593	rs7156096	-0.029	0.006	-0.029 (-0.040, -0.017)	6.04E-07	4.25E-05	0.054	20
PEF	IFNGR2	cg14850771	rs9978223	-0.018	0.004	-0.018 (-0.025, -0.011)	1.01E-06	6.87E-05	0.017	20
PEF	TSC2	cg03444940	rs12918803	-0.025	0.005	-0.025 (-0.035, -0.015)	1.01E-06	6.87E-05	0.158	20
PEF	PGD	cg13938663	rs4846214	-0.052	0.011	-0.052 (-0.072, -0.031)	1.17E-06	7.75E-05	0.621	20
PEF	BLK	cg14702231	rs7007439	-0.030	0.006	-0.030 (-0.042, -0.018)	1.29E-06	8.44E-05	0.287	20
PEF	GRINA	cg07980830	rs11775818	0.012	0.002	0.012 (0.007, 0.016)	1.39E-06	8.89E-05	0.232	20
PEF	BLK	cg26161004	rs11785333	-0.028	0.006	-0.028 (-0.039, -0.017)	1.40E-06	8.89E-05	0.592	20
PEF	MUC1	cg22500132	rs914615	-0.076	0.016	-0.076 (-0.107, -0.045)	1.71E-06	1.07E-04	0.051	20
PEF	ATP6V0A2	cg02460419	rs11609591	0.018	0.004	0.018 (0.011, 0.026)	3.63E-06	2.23E-04	0.041	20
PEF	ATP6V0A2	cg06735598	rs6488897	-0.014	0.003	-0.014 (-0.020, -0.008)	3.75E-06	2.28E-04	0.063	20
PEF	STAT1	cg18766080	rs2014259	0.159	0.034	0.159 (0.092, 0.227)	3.78E-06	2.28E-04	0.202	20
PEF	ATP13A2	cg06953703	rs9435739	0.113	0.024	0.113 (0.065, 0.160)	3.94E-06	2.35E-04	0.057	20
PEF	PCGF2	cg18896448	rs34727469	0.077	0.017	0.077 (0.044, 0.110)	4.20E-06	2.46E-04	0.139	20
PEF	GSDMC	cg23990303	rs7004355	-0.046	0.010	-0.046 (-0.065, -0.026)	4.20E-06	2.46E-04	0.015	20
PEF	KIF1B	cg26247646	rs11121529	0.034	0.007	0.034 (0.019, 0.048)	7.08E-06	3.84E-04	0.015	20
PEF	CTSF	cg05087948	rs79496339	-0.059	0.013	-0.059 (-0.085, -0.033)	7.72E-06	4.15E-04	0.014	20
PEF	GAB2	cg24769381	rs10899482	0.011	0.002	0.011 (0.006, 0.016)	8.21E-06	4.26E-04	0.475	20
PEF	MUC1	cg22531371	rs12411216	-0.098	0.022	-0.098 (-0.141, -0.055)	8.08E-06	4.26E-04	0.177	20
PEF	TSC2	cg04328826	rs12926737	0.097	0.022	0.097 (0.055, 0.140)	8.01E-06	4.26E-04	0.048	18
PEF	KIF1B	cg11399195	rs11121529	0.036	0.008	0.036 (0.020, 0.052)	8.15E-06	4.26E-04	0.019	20
PEF	KIF1B	cg03517919	rs11121529	-0.036	0.008	-0.036 (-0.052, -0.020)	8.29E-06	4.27E-04	0.022	20
PEF	FAF1	cg12421536	rs12089041	-0.084	0.019	-0.084 (-0.121, -0.047)	9.54E-06	4.83E-04	0.049	20
PEF	SLC30A2	cg01689405	rs1317709	-0.056	0.013	-0.056 (-0.081, -0.031)	1.03E-05	5.12E-04	0.187	20
PEF	KDR	cg01340163	rs11722486	-0.053	0.012	-0.053 (-0.076, -0.029)	1.04E-05	5.12E-04	0.296	19
PEF	GAB2	cg26672202	rs1385601	-0.017	0.004	-0.017 (-0.025, -0.010)	1.37E-05	6.50E-04	0.458	20
PEF	GLS	cg03661409	rs1546646	-0.091	0.021	-0.091 (-0.132, -0.050)	1.50E-05	6.99E-04	0.010	20
PEF	JMY	cg24856658	rs12189248	-0.046	0.011	-0.046 (-0.066, -0.025)	1.59E-05	7.28E-04	0.106	20
PEF	NRBP2	cg02658043	rs7465214	0.009	0.002	0.009 (0.005, 0.013)	1.68E-05	7.65E-04	0.444	14

PEF	NRBP2	cg13283896	rs7465214	-0.016	0.004	-0.016 (-0.023, -0.009)	1.97E-05	8.91E-04	0.288	14
PEF	RASIP1	cg12258179	rs11672900	0.054	0.013	0.054 (0.029, 0.079)	2.01E-05	8.95E-04	0.246	20
PEF	GFAP	cg20911989	rs8069039	0.029	0.007	0.029 (0.016, 0.042)	2.08E-05	9.18E-04	0.034	20
PEF	WDR6	cg00383909	rs11552724	0.013	0.003	0.013 (0.007, 0.019)	2.14E-05	9.38E-04	0.113	20
PEF	STAT1	cg19881581	rs13029247	-0.117	0.027	-0.117 (-0.171, -0.063)	2.15E-05	9.38E-04	0.462	20
PEF	GFAP	cg16343401	rs8067029	0.022	0.005	0.022 (0.012, 0.032)	2.17E-05	9.39E-04	0.043	20
PEF	ATP6V0A2	cg21179092	rs7313261	0.051	0.012	0.051 (0.028, 0.075)	2.19E-05	9.41E-04	0.419	20
PEF	ATP13A2	cg16027378	rs2235930	0.109	0.026	0.109 (0.058, 0.159)	2.27E-05	9.61E-04	0.048	20
PEF	CLEC16A	cg10390979	rs34306440	-0.048	0.011	-0.048 (-0.070, -0.026)	2.34E-05	9.84E-04	0.450	20
PEF	AKT1	cg23176538	rs3803304	-0.024	0.006	-0.024 (-0.035, -0.013)	2.54E-05	0.001	0.016	20
PEF	SLC38A9	cg07262873	rs13155659	0.079	0.019	0.079 (0.042, 0.116)	2.56E-05	0.001	0.012	20
PEF	ATP6V0A2	cg04140754	rs7135267	0.015	0.004	0.015 (0.008, 0.022)	2.72E-05	0.001	0.036	20
PEF	KIF1B	cg19092837	rs11121529	0.055	0.013	0.055 (0.029, 0.081)	2.93E-05	0.001	0.027	9
PEF	BLK	cg21175976	rs2279169	-0.018	0.004	-0.018 (-0.027, -0.010)	3.05E-05	0.001	0.024	20
PEF	IREB2	cg13714459	rs2656065	-0.040	0.010	-0.040 (-0.058, -0.021)	3.02E-05	0.001	0.072	20
PEF	KIF1B	cg11802797	rs11121529	-0.055	0.013	-0.055 (-0.080, -0.029)	3.05E-05	0.001	0.051	20
PEF	STX4	cg07404961	rs35961830	-0.032	0.008	-0.032 (-0.047, -0.017)	3.09E-05	0.001	0.486	20
PEF	ATP6V0A2	cg25710520	rs7135267	-0.020	0.005	-0.020 (-0.030, -0.011)	3.16E-05	0.001	0.022	20
PEF	IREB2	cg18825076	rs17484524	0.011	0.003	0.011 (0.006, 0.017)	3.58E-05	0.001	0.033	20
PEF	GPSM1;LOC26102	cg13683534	rs11145891	-0.039	0.010	-0.039 (-0.058, -0.021)	3.87E-05	0.001	0.014	20
PEF	WDR6	cg07636037	rs13316620	-0.011	0.003	-0.011 (-0.016, -0.006)	4.07E-05	0.002	0.016	20
PEF	SFN	cg13235717	rs12729652	-0.049	0.012	-0.049 (-0.072, -0.025)	4.82E-05	0.002	0.253	20
PEF	GAB2	cg07780377	rs10793302	0.059	0.015	0.059 (0.030, 0.087)	4.97E-05	0.002	0.758	20
PEF	PHLDA3	cg18569595	rs11590527	-0.033	0.008	-0.033 (-0.049, -0.017)	5.21E-05	0.002	0.462	20
PEF	STX4	cg06233904	rs58726213	0.044	0.011	0.044 (0.023, 0.066)	5.67E-05	0.002	0.709	20
PEF	WDR6	cg05785598	rs9754878	-0.018	0.004	-0.018 (-0.027, -0.009)	5.77E-05	0.002	0.063	20
PEF	SLC38A9	cg07042489	rs4101421	0.079	0.020	0.079 (0.040, 0.117)	5.89E-05	0.002	0.407	20
PEF	TGFB2	cg20991819	rs1473527	-0.098	0.024	-0.098 (-0.146, -0.050)	6.15E-05	0.002	0.543	14
PEF	GPSM1	cg21195231	rs1128905	-0.021	0.005	-0.021 (-0.031, -0.011)	7.24E-05	0.002	0.011	20
PEF	INF2	cg23998240	rs4334222	-0.031	0.008	-0.031 (-0.047, -0.016)	7.41E-05	0.003	0.040	20
PEF	BCL2L1	cg13852791	rs6058449	-0.011	0.003	-0.011 (-0.017, -0.006)	7.78E-05	0.003	0.153	20
PEF	GAB2	cg13319772	rs901105	0.069	0.018	0.069 (0.035, 0.103)	7.80E-05	0.003	0.864	20
PEF	IREB2	cg19941054	rs2089162	-0.041	0.010	-0.041 (-0.061, -0.020)	7.83E-05	0.003	0.049	20
PEF	PHLDA3	cg00962755	rs12097997	-0.041	0.010	-0.041 (-0.061, -0.021)	7.89E-05	0.003	0.185	20
PEF	HSP90AA1	cg02017208	rs11621083	-0.020	0.005	-0.020 (-0.031, -0.010)	8.31E-05	0.003	0.874	20
PEF	FLNB	cg03479209	rs1658397	0.042	0.011	0.042 (0.021, 0.062)	8.71E-05	0.003	0.011	20
PEF	MAMSTR;RASIP1	cg18886062	rs2287921	0.068	0.017	0.068 (0.034, 0.102)	8.96E-05	0.003	0.265	20
PEF	PML	cg19394923	rs5742914	-0.042	0.011	-0.042 (-0.063, -0.021)	9.53E-05	0.003	0.491	20
PEF	AKT1	cg19645788	rs77631658	-0.020	0.005	-0.020 (-0.030, -0.010)	1.06E-04	0.003	0.018	20
PEF	KDM1A	cg23271558	rs2072945	-0.060	0.015	-0.060 (-0.090, -0.029)	1.15E-04	0.004	0.023	20
PEF	WWOX	cg02795629	rs391870	0.077	0.020	0.077 (0.037, 0.116)	1.34E-04	0.004	0.081	20
PEF	INF2	cg03573445	rs4983529	-0.056	0.015	-0.056 (-0.085, -0.027)	1.43E-04	0.004	0.010	20

PEF	MAMSTR;RASIP1	cg10404009	rs3859439	0.046	0.012	0.046 (0.022, 0.070)	1.51E-04	0.004	0.222	20
PEF	MUC1	cg18804777	rs6694256	-0.038	0.010	-0.038 (-0.057, -0.018)	1.55E-04	0.005	0.448	17
PEF	KDR	cg25444386	rs13126206	-0.096	0.026	-0.096 (-0.146, -0.046)	1.81E-04	0.005	0.177	5
PEF	TPCN2	cg01385198	rs497149	0.026	0.007	0.026 (0.012, 0.039)	1.97E-04	0.006	0.275	20
PEF	CTSW	cg01669108	rs10791830	0.014	0.004	0.014 (0.007, 0.021)	1.97E-04	0.006	0.090	20
PEF	GAB2	cg25502267	rs2510031	0.064	0.017	0.064 (0.030, 0.097)	1.99E-04	0.006	0.756	20
PEF	FAIM	cg17462391	rs1672928	0.036	0.010	0.036 (0.017, 0.054)	1.99E-04	0.006	0.266	20
PEF	GFAP	cg10855825	rs8067029	0.065	0.017	0.065 (0.031, 0.099)	2.09E-04	0.006	0.523	20
PEF	FOXK1	cg09395443	rs62452134	0.061	0.017	0.061 (0.029, 0.094)	2.12E-04	0.006	0.280	8
PEF	ARHGEF2	cg11216632	rs4661175	-0.022	0.006	-0.022 (-0.034, -0.011)	2.14E-04	0.006	0.015	20
PEF	TRAF7	cg00812236	rs9926191	-0.014	0.004	-0.014 (-0.021, -0.006)	2.21E-04	0.006	0.113	20
PEF	INF2	cg01836137	rs56121689	-0.028	0.008	-0.028 (-0.043, -0.013)	2.30E-04	0.006	0.071	20
PEF	GFAP	cg02407342	rs8067029	0.066	0.018	0.066 (0.031, 0.100)	2.30E-04	0.006	0.712	20
PEF	STX4	cg08893833	rs729482	0.055	0.015	0.055 (0.026, 0.085)	2.57E-04	0.007	0.338	20
PEF	AKT1	cg02072813	rs4983540	-0.059	0.016	-0.059 (-0.091, -0.027)	2.59E-04	0.007	0.033	20
PEF	CTSW	cg23483894	rs10791830	0.026	0.007	0.026 (0.012, 0.040)	2.62E-04	0.007	0.130	20
PEF	CTSK	cg20817941	rs2089081	0.032	0.009	0.032 (0.015, 0.049)	2.72E-04	0.007	0.153	20
PEF	HSP90AA1	cg11789371	rs7156564	0.047	0.013	0.047 (0.022, 0.073)	2.83E-04	0.007	0.857	20
PEF	CTSK	cg20802392	rs2039590	0.034	0.009	0.034 (0.015, 0.052)	2.86E-04	0.008	0.144	20
PEF	FAIM	cg02712878	rs11924479	0.019	0.005	0.019 (0.009, 0.029)	2.89E-04	0.008	0.012	20
PEF	CLEC16A	cg04616529	rs7204099	-0.024	0.007	-0.024 (-0.036, -0.011)	3.08E-04	0.008	0.015	20
PEF	INF2	cg05210373	rs4247032	0.046	0.013	0.046 (0.021, 0.070)	3.20E-04	0.008	0.035	20
PEF	INF2	cg04966159	rs4247032	0.046	0.013	0.046 (0.021, 0.072)	3.30E-04	0.008	0.048	20
PEF	CTSW	cg03887787	rs645900	0.008	0.002	0.008 (0.004, 0.013)	3.49E-04	0.009	0.022	20
PEF	CTSW	cg18410078	rs12225345	0.011	0.003	0.011 (0.005, 0.017)	3.50E-04	0.009	0.051	20
PEF	TPCN2	cg26433582	rs595882	0.041	0.012	0.041 (0.019, 0.064)	3.50E-04	0.009	0.297	20
PEF	PELI3	cg20446641	rs17496250	-0.044	0.012	-0.044 (-0.068, -0.020)	3.59E-04	0.009	0.015	20
PEF	IL6R	cg20688791	rs11265611	-0.055	0.015	-0.055 (-0.085, -0.025)	3.64E-04	0.009	0.876	14
PEF	NRBP2	cg06371044	rs7465214	0.075	0.021	0.075 (0.034, 0.116)	3.81E-04	0.009	0.680	7
PEF	INF2	cg13590876	rs4983529	-0.073	0.021	-0.073 (-0.113, -0.033)	3.96E-04	0.010	0.271	20
PEF	CTSW	cg08416661	rs1204650	0.018	0.005	0.018 (0.008, 0.029)	4.16E-04	0.010	0.167	20
PEF	ATP6V0A2	cg16376770	rs7302788	-0.076	0.022	-0.076 (-0.118, -0.034)	4.25E-04	0.010	0.272	20
PEF	CTSW	cg25470561	rs687672	0.022	0.006	0.022 (0.010, 0.034)	4.48E-04	0.011	0.058	20
PEF	GPSM1;LOC26102	cg14479136	rs4320648	0.079	0.022	0.079 (0.035, 0.123)	4.48E-04	0.011	0.812	20
PEF	CTSW	cg19792802	rs12225345	0.025	0.007	0.025 (0.011, 0.038)	4.62E-04	0.011	0.129	20
PEF	GAB2	cg12700464	rs10899492	0.087	0.025	0.087 (0.038, 0.136)	4.80E-04	0.011	0.600	20
PEF	CDKN2D	cg04833646	rs12978228	-0.011	0.003	-0.011 (-0.017, -0.005)	4.95E-04	0.012	0.668	20
PEF	TPCN2	cg18503234	rs595882	0.050	0.014	0.050 (0.022, 0.077)	5.02E-04	0.012	0.623	20
PEF	CD164	cg08222271	rs6920962	0.036	0.010	0.036 (0.016, 0.056)	5.10E-04	0.012	0.019	20
PEF	WWOX	cg10001715	rs7199349	-0.023	0.007	-0.023 (-0.036, -0.010)	5.33E-04	0.012	0.979	20
PEF	BLK	cg16861076	rs35370321	-0.080	0.023	-0.080 (-0.125, -0.035)	5.36E-04	0.012	0.123	13
PEF	EYA2	cg26046136	rs6018188	-0.043	0.013	-0.043 (-0.068, -0.019)	5.73E-04	0.013	0.085	20

PEF	YAP1	cg20782778	rs11225132	-0.017	0.005	-0.017 (-0.027, -0.007)	5.82E-04	0.013	0.028	20
PEF	SFRP1	cg14904908	rs1562420	-0.040	0.012	-0.040 (-0.062, -0.017)	5.91E-04	0.013	0.859	20
PEF	WNT4	cg17022577	rs11584458	-0.026	0.008	-0.026 (-0.042, -0.011)	5.96E-04	0.013	0.012	20
PEF	SFRP2	cg14289246	rs41320045	-0.011	0.003	-0.011 (-0.018, -0.005)	6.00E-04	0.013	0.013	20
PEF	DAXX	cg27052777	rs3130018	0.048	0.014	0.048 (0.021, 0.076)	6.10E-04	0.013	0.137	15
PEF	EYA4	cg01162672	rs569833	0.062	0.018	0.062 (0.026, 0.097)	6.29E-04	0.014	0.611	20
PEF	AP1M2	cg14985481	rs4804509	0.038	0.011	0.038 (0.016, 0.060)	6.39E-04	0.014	0.513	20
PEF	BCL2L1	cg08257293	rs77130187	-0.021	0.006	-0.021 (-0.033, -0.009)	7.06E-04	0.015	0.033	20
PEF	AP1M2	cg26999505	rs12978228	0.028	0.008	0.028 (0.012, 0.045)	7.20E-04	0.015	0.640	20
PEF	CTSS	cg15900387	rs2039590	0.058	0.017	0.058 (0.024, 0.091)	7.98E-04	0.017	0.229	20
PEF	JMY	cg09228878	rs7711939	0.069	0.021	0.069 (0.029, 0.109)	8.03E-04	0.017	0.020	12
PEF	SFRP2	cg20727217	rs1020704	-0.047	0.014	-0.047 (-0.075, -0.020)	8.35E-04	0.017	0.372	20
PEF	TFDP2	cg00217306	rs11706480	-0.032	0.010	-0.032 (-0.051, -0.013)	8.45E-04	0.017	0.043	20
PEF	MLST8	cg04079779	rs12922719	0.018	0.005	0.018 (0.007, 0.028)	8.86E-04	0.018	0.024	20
PEF	MYH14	cg08183141	rs7252676	0.039	0.012	0.039 (0.016, 0.063)	9.02E-04	0.018	0.024	20
PEF	MLST8	cg03910196	rs12922719	0.021	0.006	0.021 (0.008, 0.033)	9.46E-04	0.019	0.022	20
PEF	SFRP2	cg09788843	rs56413502	-0.037	0.011	-0.037 (-0.059, -0.015)	0.001	0.020	0.218	20
PEF	SFRP2	cg23207990	rs58256618	0.027	0.008	0.027 (0.011, 0.044)	0.001	0.021	0.921	20
PEF	GAB2	cg13226797	rs2063730	0.060	0.018	0.060 (0.024, 0.096)	0.001	0.021	0.106	20
PEF	CTSF	cg23230554	rs1044522	-0.033	0.010	-0.033 (-0.052, -0.013)	0.001	0.021	0.088	20
PEF	SFRP2	cg10663078	rs55986083	-0.048	0.015	-0.048 (-0.076, -0.019)	0.001	0.021	0.067	20
PEF	GBA	cg02834765	rs2075566	0.045	0.014	0.045 (0.018, 0.073)	0.001	0.021	0.019	20
PEF	SFRP2	cg13357229	rs41320045	-0.037	0.011	-0.037 (-0.060, -0.015)	0.001	0.022	0.289	20
PEF	ARSG	cg00970435	rs75850252	0.025	0.008	0.025 (0.010, 0.041)	0.001	0.022	0.803	4
PEF	KIF25	cg10146514	rs2636362	-0.040	0.012	-0.040 (-0.065, -0.016)	0.001	0.022	0.075	20
PEF	SFRP2	cg23121156	rs58256618	0.031	0.010	0.031 (0.012, 0.051)	0.001	0.022	0.980	20
PEF	AP1M2	cg11657665	rs35769432	-0.018	0.006	-0.018 (-0.029, -0.007)	0.001	0.023	0.301	20
PEF	IRF3;BCL2L12	cg09250473	rs2304204	0.009	0.003	0.009 (0.004, 0.015)	0.001	0.023	0.053	20
PEF	SFRP2	cg22178613	rs732681	0.018	0.006	0.018 (0.007, 0.029)	0.001	0.023	0.781	20
PEF	SFRP2	cg14435644	rs56413502	-0.042	0.013	-0.042 (-0.068, -0.017)	0.001	0.023	0.070	20
PEF	ERBB3	cg10869879	rs4759229	0.029	0.009	0.029 (0.011, 0.046)	0.001	0.023	0.394	20
PEF	INF2	cg17984022	rs12147788	-0.013	0.004	-0.013 (-0.020, -0.005)	0.001	0.023	0.030	20
PEF	SFRP2	cg24241928	rs62325115	-0.031	0.010	-0.031 (-0.050, -0.012)	0.001	0.024	0.988	20
PEF	SFRP2	cg21630608	rs56413502	-0.045	0.014	-0.045 (-0.072, -0.017)	0.001	0.024	0.687	20
PEF	FOXK1	cg19336198	rs62452150	0.056	0.018	0.056 (0.022, 0.091)	0.001	0.024	0.255	8
PEF	RET	cg06632098	rs1864402	0.008	0.003	0.008 (0.003, 0.013)	0.001	0.024	0.612	20
PEF	FAIM	cg06309968	rs7650967	0.054	0.017	0.054 (0.021, 0.087)	0.001	0.024	0.206	20
PEF	SFRP1	cg07935886	rs72643819	-0.053	0.016	-0.053 (-0.085, -0.020)	0.001	0.024	0.354	10
PEF	SFRP1	cg03133371	rs1562420	-0.058	0.018	-0.058 (-0.094, -0.023)	0.001	0.025	0.844	9
PEF	DAXX	cg14910283	rs3130018	0.068	0.021	0.068 (0.026, 0.109)	0.001	0.025	0.070	13
PEF	PIK3CD	cg23098018	rs76822479	-0.070	0.022	-0.070 (-0.114, -0.027)	0.001	0.025	0.935	9
PEF	MEFV	cg03919650	rs220377	0.031	0.010	0.031 (0.012, 0.050)	0.001	0.026	0.490	17

PEF	GATA4	cg19172575	rs77480632	0.036	0.011	0.036 (0.014, 0.058)	0.001	0.026	0.150	20
PEF	RPS27L	cg23837188	rs9788649	0.023	0.007	0.023 (0.009, 0.038)	0.002	0.026	0.287	20
PEF	MUL1	cg26370078	rs112684754	-0.010	0.003	-0.010 (-0.016, -0.004)	0.002	0.026	0.275	20
PEF	MLST8	cg01500402	rs12922719	0.037	0.012	0.037 (0.014, 0.060)	0.002	0.026	0.165	20
PEF	MLST8	cg09616053	rs9921791	0.020	0.006	0.020 (0.008, 0.033)	0.002	0.026	0.047	20
PEF	BCL2L1	cg12873919	rs6060989	-0.022	0.007	-0.022 (-0.035, -0.008)	0.002	0.027	0.012	20
PEF	ZC3HC1	cg05055930	rs13222487	0.015	0.005	0.015 (0.006, 0.024)	0.002	0.027	0.499	20
PEF	MET	cg25299676	rs38840	0.022	0.007	0.022 (0.008, 0.035)	0.002	0.027	0.229	20
PEF	GDNF	cg07309340	rs2910704	0.071	0.022	0.071 (0.027, 0.115)	0.002	0.027	0.128	20
PEF	WWOX	cg01365766	rs13334444	-0.063	0.020	-0.063 (-0.103, -0.024)	0.002	0.027	0.195	20
PEF	ZBTB22;DAXX	cg10585379	rs3130256	-0.056	0.018	-0.056 (-0.091, -0.021)	0.002	0.029	0.134	18
PEF	RPS27L	cg26210447	rs1126308	-0.017	0.006	-0.017 (-0.028, -0.006)	0.002	0.030	0.332	20
PEF	ATP2A3	cg01703329	rs8070203	0.019	0.006	0.019 (0.007, 0.031)	0.002	0.030	0.052	20
PEF	SFRP2	cg05241277	rs1105495	-0.042	0.014	-0.042 (-0.069, -0.016)	0.002	0.030	0.467	20
PEF	OTUB1	cg13692972	rs6591830	0.018	0.006	0.018 (0.007, 0.030)	0.002	0.030	0.983	20
PEF	RAF1	cg23032965	rs2348201	-0.008	0.003	-0.008 (-0.013, -0.003)	0.002	0.030	0.063	20
PEF	PHLDA3	cg04055835	rs654072	0.042	0.014	0.042 (0.016, 0.069)	0.002	0.030	0.623	20
PEF	GATA4	cg01546563	rs61277615	-0.020	0.006	-0.020 (-0.032, -0.007)	0.002	0.030	0.290	20
PEF	ERBB3	cg23731805	rs705696	0.025	0.008	0.025 (0.009, 0.041)	0.002	0.030	0.129	20
PEF	SFRP2	cg13732865	rs62325115	-0.043	0.014	-0.043 (-0.069, -0.016)	0.002	0.030	0.147	20
PEF	SFRP1	cg10406295	rs1159162	-0.069	0.022	-0.069 (-0.113, -0.025)	0.002	0.030	0.967	8
PEF	DAB2IP	cg14136214	rs7854651	0.038	0.012	0.038 (0.014, 0.063)	0.002	0.032	0.899	20
PEF	OSBPL7	cg02206375	rs17774171	0.066	0.021	0.066 (0.024, 0.108)	0.002	0.032	0.324	20
PEF	INF2	cg24404909	rs7158194	0.064	0.021	0.064 (0.023, 0.105)	0.002	0.033	0.018	20
PEF	PPARD	cg21748751	rs9658058	0.032	0.010	0.032 (0.011, 0.052)	0.002	0.034	0.989	20
PEF	INF2	cg18996808	rs12147788	0.040	0.013	0.040 (0.014, 0.065)	0.002	0.035	0.059	20
PEF	SFRP2	cg23502475	rs4585278	-0.038	0.012	-0.038 (-0.062, -0.014)	0.002	0.035	0.931	20
PEF	NRBP2	cg21414636	rs11779501	0.013	0.004	0.013 (0.005, 0.022)	0.002	0.035	0.305	13
PEF	NRBP2	cg20545721	rs11779501	0.014	0.005	0.014 (0.005, 0.023)	0.002	0.035	0.322	13
PEF	SFRP1	cg00000321	rs72643819	-0.063	0.021	-0.063 (-0.104, -0.023)	0.002	0.035	0.254	10
PEF	OTUB1	cg08231730	rs7942318	0.034	0.011	0.034 (0.012, 0.056)	0.002	0.035	0.544	20
PEF	PRKCA;MIR634	cg20152382	rs35105653	-0.048	0.016	-0.048 (-0.079, -0.017)	0.002	0.037	0.285	20
PEF	RPS27L	cg02713581	rs2292038	-0.029	0.009	-0.029 (-0.047, -0.010)	0.003	0.038	0.334	20
PEF	GSDMC	cg26073844	rs4260864	-0.045	0.015	-0.045 (-0.074, -0.016)	0.003	0.038	0.189	20
PEF	FNIP2	cg05615763	rs34033556	-0.028	0.009	-0.028 (-0.046, -0.010)	0.003	0.038	0.471	20
PEF	DAXX	cg09992055	rs469064	0.060	0.020	0.060 (0.021, 0.099)	0.003	0.038	0.013	15
PEF	SFRP2	cg11354906	rs13131656	0.036	0.012	0.036 (0.012, 0.060)	0.003	0.041	0.601	20
PEF	FLNB	cg05093811	rs9822918	-0.010	0.003	-0.010 (-0.016, -0.003)	0.003	0.041	0.205	20
PEF	SFRP2	cg04959480	rs4585278	-0.045	0.015	-0.045 (-0.075, -0.016)	0.003	0.041	0.673	20
PEF	RAF1	cg13703021	rs2348201	-0.032	0.011	-0.032 (-0.053, -0.011)	0.003	0.041	0.392	20
PEF	ING5	cg21244745	rs79708335	0.020	0.007	0.020 (0.007, 0.033)	0.003	0.042	0.175	20
PEF	SFRP1	cg01074584	rs921142	-0.054	0.018	-0.054 (-0.090, -0.019)	0.003	0.043	0.274	9

PEF	SFRP2	cg07999845	rs62325115	-0.057	0.019	-0.057 (-0.095, -0.019)	0.003	0.044	0.416	20
PEF	DIDO1	cg15815827	rs6010789	0.018	0.006	0.018 (0.006, 0.031)	0.003	0.044	0.406	20
PEF	ORMDL3	cg18711369	rs4065275	0.010	0.003	0.010 (0.003, 0.016)	0.003	0.045	0.294	20
PEF	ORMDL3	cg10909506	rs4065275	0.010	0.003	0.010 (0.003, 0.017)	0.003	0.045	0.327	20
PEF	OTUB1	cg12836303	rs12417157	-0.012	0.004	-0.012 (-0.021, -0.004)	0.003	0.046	0.991	20
PEF	SFRP2	cg23910835	rs56413502	-0.068	0.023	-0.068 (-0.114, -0.023)	0.003	0.046	0.963	15
PEF	MET	cg27472701	rs38849	-0.047	0.016	-0.047 (-0.078, -0.016)	0.003	0.046	0.580	20
PEF	GSK3B	cg14479617	rs2037547	0.016	0.005	0.016 (0.005, 0.026)	0.003	0.046	0.494	20
PEF	PARP1	cg24937136	rs12143101	-0.009	0.003	-0.009 (-0.015, -0.003)	0.003	0.046	0.663	20
PEF	ZBTB22;DAXX	cg06477487	rs469064	-0.067	0.023	-0.067 (-0.111, -0.022)	0.003	0.047	0.183	13
PEF	MEFV	cg05554494	rs17136317	0.023	0.008	0.023 (0.008, 0.039)	0.003	0.047	0.931	19
PEF	RASIP1	cg19420129	rs8103840	-0.047	0.016	-0.047 (-0.078, -0.015)	0.003	0.047	0.030	20
PEF	FOXK2	cg08848988	rs3794713	-0.025	0.008	-0.025 (-0.041, -0.008)	0.003	0.048	0.950	20
PEF	EPHA2	cg26793227	rs3818162	-0.062	0.021	-0.062 (-0.103, -0.020)	0.004	0.049	0.602	13
PEF	KDM4A	cg19743044	rs11590627	0.012	0.004	0.012 (0.004, 0.021)	0.004	0.050	0.227	20
PEF	SFRP2	cg03202804	rs1902467	0.032	0.011	0.032 (0.011, 0.054)	0.004	0.050	0.190	20
PEF	PARP1	cg23712594	rs1136410	-0.017	0.006	-0.017 (-0.029, -0.006)	0.004	0.050	0.757	20
PEF	KDM4A	cg05886813	rs11590627	0.014	0.005	0.014 (0.005, 0.023)	0.004	0.050	0.094	20
PEF	TRIM8	cg27391127	rs12241712	0.022	0.008	0.022 (0.007, 0.038)	0.004	0.050	0.264	20
PEF	DIDO1	cg02128085	rs79346852	-0.063	0.022	-0.063 (-0.106, -0.021)	0.004	0.050	0.624	6
PEF	ATP2A3	cg20473595	rs11871473	0.023	0.008	0.023 (0.007, 0.039)	0.004	0.050	0.068	20
PEF	GSDMA	cg21790570	rs4239225	0.029	0.010	0.029 (0.009, 0.049)	0.004	0.051	0.514	20
PEF	CD70	cg22633597	rs12971302	0.017	0.006	0.017 (0.006, 0.029)	0.004	0.051	0.282	20
PEF	ERBB3	cg00907267	rs2292239	0.043	0.015	0.043 (0.014, 0.072)	0.004	0.051	0.503	18
PEF	AP1M2	cg26292442	rs7248205	0.064	0.022	0.064 (0.020, 0.108)	0.004	0.052	0.492	20
PEF	DIDO1	cg24804517	rs2254953	-0.033	0.011	-0.033 (-0.055, -0.010)	0.004	0.054	0.410	20
PEF	WWOX	cg10855967	rs11545028	0.015	0.005	0.015 (0.005, 0.025)	0.004	0.055	0.011	20
PEF	IGF1	cg25163611	rs61125097	-0.055	0.019	-0.055 (-0.093, -0.017)	0.004	0.055	0.026	20
PEF	PARP1	cg18590995	rs12143101	-0.026	0.009	-0.026 (-0.044, -0.008)	0.004	0.055	0.818	20
PEF	SFRP2	cg05961809	rs1456400	0.029	0.010	0.029 (0.009, 0.049)	0.004	0.055	0.043	20
PEF	GGA1	cg21268578	rs12710562	-0.050	0.018	-0.050 (-0.084, -0.016)	0.004	0.057	0.860	20
PEF	ALOX12	cg08870757	rs2920421	-0.048	0.017	-0.048 (-0.082, -0.015)	0.004	0.057	0.478	14
PEF	KIT	cg06483432	rs3819387	0.032	0.011	0.032 (0.010, 0.054)	0.004	0.057	0.389	20
PEF	ATP2A3	cg18963239	rs11871473	0.032	0.011	0.032 (0.010, 0.055)	0.005	0.058	0.039	20
PEF	KIF1B	cg26116724	rs113331329	0.051	0.018	0.051 (0.016, 0.087)	0.005	0.058	0.067	10
PEF	SERINC3	cg17465920	rs6031632	0.033	0.012	0.033 (0.010, 0.056)	0.005	0.058	0.929	20
PEF	DIDO1	cg10006442	rs7265084	-0.013	0.005	-0.013 (-0.022, -0.004)	0.005	0.059	0.150	20
PEF	MCL1	cg13175981	rs61820165	-0.010	0.004	-0.010 (-0.017, -0.003)	0.005	0.059	0.039	20
PEF	ASAH1	cg18067069	rs7824280	-0.010	0.003	-0.010 (-0.016, -0.003)	0.005	0.059	0.036	20
PEF	ICAM4;ICAM1	cg00500176	rs281436	-0.015	0.005	-0.015 (-0.026, -0.005)	0.005	0.060	0.932	20
PEF	XBP1	cg00651286	rs2269575	-0.011	0.004	-0.011 (-0.019, -0.003)	0.005	0.060	0.525	20
PEF	PCGF2	cg23302321	rs12601476	-0.055	0.019	-0.055 (-0.093, -0.017)	0.005	0.061	0.034	20

PEF	GATA4	cg18283386	rs34888744	-0.039	0.014	-0.039 (-0.067, -0.012)	0.005	0.062	0.261	20
PEF	BLK	cg04335815	rs2409797	0.029	0.010	0.029 (0.009, 0.049)	0.005	0.062	0.031	20
PEF	GSDMD	cg15172061	rs58774177	-0.010	0.003	-0.010 (-0.017, -0.003)	0.005	0.062	0.229	20
PEF	PARP1	cg17127702	rs76887998	-0.009	0.003	-0.009 (-0.015, -0.003)	0.005	0.063	0.640	20
PEF	PEBP1	cg16572268	rs904661	0.021	0.008	0.021 (0.006, 0.036)	0.005	0.064	0.762	20
PEF	AKR1C1	cg07639198	rs55965159	-0.008	0.003	-0.008 (-0.014, -0.002)	0.005	0.064	0.053	20
PEF	IL6R	cg15633035	rs41304552	-0.041	0.015	-0.041 (-0.071, -0.012)	0.005	0.064	0.995	20
PEF	SFRP2	cg05774801	rs13102996	0.046	0.017	0.046 (0.014, 0.078)	0.005	0.064	0.136	20
PEF	BCL2	cg12459502	rs6567331	-0.049	0.018	-0.049 (-0.084, -0.015)	0.005	0.065	0.176	14
PEF	ERBB3	cg05207107	rs773121	-0.022	0.008	-0.022 (-0.038, -0.007)	0.005	0.066	0.650	20
PEF	USP13	cg05726764	rs1561843	0.008	0.003	0.008 (0.002, 0.013)	0.005	0.066	0.177	20
PEF	CHGA	cg16290737	rs4905009	-0.013	0.005	-0.013 (-0.022, -0.004)	0.005	0.066	0.013	20
PEF	USP36	cg05380734	rs35273233	-0.017	0.006	-0.017 (-0.029, -0.005)	0.005	0.066	0.257	20
PEF	MAPK9	cg03605361	rs17628029	0.048	0.017	0.048 (0.014, 0.082)	0.006	0.067	0.794	20
PEF	FOXK1	cg06846441	rs3087749	0.024	0.009	0.024 (0.007, 0.040)	0.006	0.067	0.913	12
PEF	CHGA	cg00813752	rs4905009	-0.016	0.006	-0.016 (-0.027, -0.005)	0.006	0.067	0.014	20
PEF	GSDMA	cg10794714	rs4239225	0.045	0.016	0.045 (0.013, 0.076)	0.006	0.067	0.596	20
PEF	FNIP2	cg05539369	rs13123982	-0.062	0.023	-0.062 (-0.107, -0.018)	0.006	0.067	0.969	11
PEF	GSDMD	cg17812120	rs3750207	-0.010	0.004	-0.010 (-0.018, -0.003)	0.006	0.067	0.376	20
PEF	ATP6V1E2	cg26688816	rs11125082	0.008	0.003	0.008 (0.002, 0.013)	0.006	0.068	0.336	20
PEF	PDHB	cg26110898	rs11923154	0.010	0.003	0.010 (0.003, 0.016)	0.006	0.068	0.046	20
PEF	DDX47	cg21196265	rs11832039	0.045	0.016	0.045 (0.013, 0.077)	0.006	0.068	0.155	17
PEF	IL6R	cg21262032	rs6427672	-0.011	0.004	-0.011 (-0.019, -0.003)	0.006	0.069	0.030	20
PEF	OPTN	cg02458882	rs641113	-0.037	0.013	-0.037 (-0.063, -0.011)	0.006	0.069	0.430	11
PEF	WDR35	cg01055594	rs1030900	0.024	0.009	0.024 (0.007, 0.041)	0.006	0.072	0.113	20
PEF	USP36	cg27578381	rs62075631	-0.012	0.004	-0.012 (-0.021, -0.003)	0.006	0.073	0.115	20
PEF	GFAP	cg07918341	rs17546654	-0.048	0.018	-0.048 (-0.083, -0.014)	0.006	0.073	0.022	20
PEF	RPS27L	cg19279045	rs12594313	-0.060	0.022	-0.060 (-0.102, -0.017)	0.006	0.073	0.823	20
PEF	WDR35	cg05412990	rs75724734	0.032	0.012	0.032 (0.009, 0.055)	0.006	0.073	0.498	20
PEF	FOXK2	cg21909206	rs3794713	-0.050	0.018	-0.050 (-0.086, -0.014)	0.006	0.074	0.794	12
PEF	FOXK2	cg27450688	rs3794713	-0.050	0.018	-0.050 (-0.086, -0.014)	0.006	0.074	0.899	16
PEF	SLC30A9	cg10652277	rs2660346	0.018	0.007	0.018 (0.005, 0.032)	0.007	0.074	0.132	20
PEF	DEF8	cg03987653	rs4365288	-0.017	0.006	-0.017 (-0.029, -0.005)	0.007	0.075	0.969	20
PEF	KIF25	cg21906947	rs4708628	-0.040	0.015	-0.040 (-0.069, -0.011)	0.007	0.076	0.348	20
PEF	CHMP4B	cg26347170	rs2378024	0.014	0.005	0.014 (0.004, 0.024)	0.007	0.079	0.158	20
PEF	PLA2G3	cg21274025	rs3761430	0.027	0.010	0.027 (0.007, 0.047)	0.007	0.079	0.458	20
PEF	ING5	cg17530031	rs7591047	0.008	0.003	0.008 (0.002, 0.015)	0.007	0.079	0.078	20
PEF	FOXK1	cg09789173	rs7793919	-0.008	0.003	-0.008 (-0.014, -0.002)	0.007	0.080	0.851	17
PEF	GSDMD	cg22312904	rs964195	-0.012	0.005	-0.012 (-0.021, -0.003)	0.007	0.080	0.137	20
PEF	MAP3K5	cg01792203	rs9389406	-0.046	0.017	-0.046 (-0.079, -0.012)	0.007	0.080	0.143	14
PEF	ATP6V1E2	cg04944393	rs13025211	0.042	0.016	0.042 (0.011, 0.073)	0.007	0.080	0.083	20
PEF	XBP1	cg11188618	rs73399615	-0.040	0.015	-0.040 (-0.070, -0.011)	0.007	0.080	0.583	20

PEF	ICAM1	cg24354612	rs281436	-0.038	0.014	-0.038 (-0.066, -0.010)	0.007	0.080	0.717	20
PEF	SLC30A9	cg07260532	rs2581454	-0.031	0.011	-0.031 (-0.053, -0.008)	0.007	0.081	0.212	20
PEF	AP3D1	cg10746224	rs2238595	0.032	0.012	0.032 (0.009, 0.056)	0.008	0.083	0.230	9
PEF	SFRP2	cg23292160	rs2251994	-0.052	0.020	-0.052 (-0.091, -0.014)	0.008	0.084	0.145	20
PEF	NACC2	cg13549345	rs10745379	0.041	0.015	0.041 (0.011, 0.072)	0.008	0.084	0.439	19
PEF	INF2	cg22090592	rs11851852	-0.015	0.006	-0.015 (-0.026, -0.004)	0.008	0.084	0.096	20
PEF	SFRP2	cg25775322	rs994598	0.034	0.013	0.034 (0.009, 0.059)	0.008	0.084	0.199	20
PEF	FOXK1	cg00064840	rs7784748	-0.013	0.005	-0.013 (-0.022, -0.003)	0.008	0.084	0.397	14
PEF	BNIP3	cg20216030	rs3737058	-0.024	0.009	-0.024 (-0.042, -0.006)	0.008	0.084	0.078	20
PEF	PRKCA	cg12467435	rs9635753	-0.035	0.013	-0.035 (-0.061, -0.009)	0.008	0.085	0.074	20
PEF	DEF8	cg04591799	rs78260644	-0.025	0.009	-0.025 (-0.044, -0.007)	0.008	0.085	0.995	20
PEF	FOXK1	cg13287553	rs7784748	-0.014	0.005	-0.014 (-0.025, -0.004)	0.008	0.085	0.278	14
PEF	NR4A2	cg02964555	rs295807	0.040	0.015	0.040 (0.010, 0.069)	0.008	0.085	0.633	20
PEF	FOXK1	cg10118545	rs7784748	-0.015	0.006	-0.015 (-0.026, -0.004)	0.008	0.085	0.285	13
PEF	FOXK1	cg05764847	rs7793919	0.020	0.007	0.020 (0.005, 0.034)	0.008	0.085	0.666	11
PEF	DCC	cg18866015	rs9966338	-0.022	0.008	-0.022 (-0.039, -0.006)	0.008	0.085	0.933	20
PEF	HIPK2	cg14405813	rs4132077	-0.012	0.004	-0.012 (-0.021, -0.003)	0.008	0.087	0.168	20
PEF	IL6R	cg25135018	rs6427672	-0.034	0.013	-0.034 (-0.059, -0.009)	0.008	0.087	0.177	16
PEF	CLEC16A	cg06150195	rs11641320	0.026	0.010	0.026 (0.007, 0.046)	0.008	0.087	0.198	20
PEF	ACSF2	cg14767768	rs2305998	0.047	0.018	0.047 (0.012, 0.082)	0.008	0.088	0.034	17
PEF	PPARD	cg18204017	rs6939017	0.051	0.019	0.051 (0.013, 0.089)	0.008	0.088	0.614	20
PEF	SYNPO2	cg14717666	rs58527730	-0.010	0.004	-0.010 (-0.017, -0.003)	0.009	0.089	0.952	20
PEF	FGF10	cg16536718	rs969520	0.040	0.015	0.040 (0.010, 0.070)	0.009	0.089	0.200	20
PEF	SYNPO2	cg12973294	rs78448537	-0.013	0.005	-0.013 (-0.023, -0.003)	0.009	0.090	0.947	20
PEF	BIRC2	cg06323957	rs11605573	0.014	0.005	0.014 (0.003, 0.024)	0.009	0.091	0.337	20
PEF	SIVA1	cg10285897	rs12881199	0.040	0.015	0.040 (0.010, 0.070)	0.009	0.091	0.010	20
PEF	ING5	cg15141204	rs4428044	0.029	0.011	0.029 (0.007, 0.051)	0.009	0.091	0.111	20
PEF	ACSF2;CHAD	cg05346527	rs17641232	-0.038	0.014	-0.038 (-0.066, -0.009)	0.009	0.091	0.020	16
PEF	ARF1	cg06625004	rs3768330	0.010	0.004	0.010 (0.002, 0.017)	0.009	0.091	0.152	20
PEF	WDR35	cg20319457	rs75651650	0.058	0.022	0.058 (0.014, 0.101)	0.009	0.092	0.778	19
PEF	CHAD;ACSF2	cg15880760	rs2277631	-0.030	0.012	-0.030 (-0.053, -0.008)	0.009	0.092	0.010	20
PEF	BIK	cg01341487	rs5751435	-0.014	0.005	-0.014 (-0.024, -0.003)	0.009	0.092	0.813	20
PEF	PIK3R1	cg18104285	rs706713	-0.037	0.014	-0.037 (-0.064, -0.009)	0.009	0.092	0.086	20
PEF	LAPTM5	cg18221336	rs1050663	-0.017	0.007	-0.017 (-0.030, -0.004)	0.009	0.092	0.088	20
PEF	VPS24	cg08725083	rs60244636	0.014	0.005	0.014 (0.003, 0.025)	0.009	0.092	0.876	20
PEF	BIK	cg09263116	rs5751435	-0.016	0.006	-0.016 (-0.029, -0.004)	0.009	0.093	0.814	20
PEF	SLC39A14	cg18042586	rs28654113	-0.011	0.004	-0.011 (-0.020, -0.003)	0.009	0.094	0.109	20
PEF	TCF7L2	cg26380291	rs57225583	-0.030	0.012	-0.030 (-0.053, -0.007)	0.009	0.094	0.881	12
PEF	CD68	cg21808406	rs12942088	-0.041	0.016	-0.041 (-0.071, -0.010)	0.010	0.096	0.595	20
PEF	TBC1D14	cg12864912	rs12512922	0.010	0.004	0.010 (0.002, 0.018)	0.010	0.096	0.607	20
PEF	NR4A2	cg00558219	rs1033224	0.039	0.015	0.039 (0.010, 0.069)	0.010	0.096	0.637	20
PEF	CD38	cg20931972	rs13434425	-0.035	0.013	-0.035 (-0.061, -0.008)	0.010	0.097	0.399	9

PEF	PRKCA	cg04733951	rs72845905	0.038	0.015	0.038 (0.009, 0.066)	0.010	0.097	0.842	20
PEF	BIRC2	cg11690896	rs79028911	0.020	0.008	0.020 (0.005, 0.035)	0.010	0.098	0.407	20
PEF	MET	cg24627299	rs437	0.029	0.011	0.029 (0.007, 0.051)	0.010	0.098	0.761	14
PEF	ATP6V1E2	cg15759873	rs880671	-0.050	0.019	-0.050 (-0.088, -0.012)	0.010	0.098	0.207	20
PEF	TBXAS1;HIPK2	cg26407309	rs2058265	-0.031	0.012	-0.031 (-0.055, -0.008)	0.010	0.098	0.360	20
PEF	HSPA1B	cg19754746	rs35009002	0.059	0.023	0.059 (0.014, 0.105)	0.010	0.098	0.329	10
PEF	FOXK1	cg15176413	rs6973046	0.015	0.006	0.015 (0.004, 0.026)	0.010	0.098	0.833	18
PEF	INF2	cg13578465	rs4996691	-0.013	0.005	-0.013 (-0.023, -0.003)	0.010	0.098	0.022	20
PEF	FOXK1	cg20349812	rs6973046	0.016	0.006	0.016 (0.004, 0.028)	0.010	0.098	0.765	18
PEF	PAFAH1B2	cg01368799	rs10400366	-0.008	0.003	-0.008 (-0.014, -0.002)	0.010	0.098	0.012	20
PEF	HSPA1B	cg13911590	rs12524467	0.053	0.021	0.053 (0.013, 0.093)	0.010	0.098	0.036	4
PEF	ZBTB22;DAXX	cg26919618	rs3106194	-0.046	0.018	-0.046 (-0.080, -0.011)	0.010	0.098	0.074	12
PEF	ST20	cg21315874	rs17885346	0.010	0.004	0.010 (0.002, 0.017)	0.010	0.099	0.356	20
PEF	INF2	cg11730703	rs4996691	-0.015	0.006	-0.015 (-0.026, -0.004)	0.010	0.099	0.026	20
PEF	FOXK1	cg26800803	rs6973046	0.017	0.007	0.017 (0.004, 0.030)	0.010	0.099	0.828	16
PEF	INF2	cg27286011	rs4996691	-0.016	0.006	-0.016 (-0.028, -0.004)	0.010	0.099	0.023	20
PEF	ST20	cg11839771	rs6495455	-0.010	0.004	-0.010 (-0.018, -0.002)	0.010	0.099	0.485	20
PEF	BLK	cg24861686	rs10097870	0.019	0.007	0.019 (0.004, 0.033)	0.011	0.100	0.038	20
PEF	FOXK1	cg05117982	rs6973046	0.019	0.008	0.019 (0.005, 0.034)	0.011	0.100	0.798	18
PEF	TRAF1	cg21152671	rs1008381	0.014	0.005	0.014 (0.003, 0.024)	0.011	0.100	0.284	20
PEF	ST20;C15orf37	cg26673396	rs8026997	-0.013	0.005	-0.013 (-0.024, -0.003)	0.011	0.100	0.210	20
PEF	DIDO1	cg04226366	rs755740	-0.014	0.005	-0.014 (-0.024, -0.003)	0.011	0.100	0.326	20
PEF	VPS24	cg06529078	rs60244636	0.026	0.010	0.026 (0.006, 0.046)	0.011	0.100	0.911	20
PEF	DCC	cg00399483	rs7242705	-0.015	0.006	-0.015 (-0.026, -0.003)	0.011	0.100	0.558	20
PEF	TRAF1	cg21241889	rs6478484	0.014	0.005	0.014 (0.003, 0.025)	0.011	0.100	0.433	20
PEF	EYA4	cg17722675	rs546329	0.045	0.017	0.045 (0.010, 0.079)	0.011	0.100	0.538	20
PEF	BNIP3	cg21762589	rs3737058	0.039	0.015	0.039 (0.009, 0.069)	0.011	0.100	0.106	17
PEF	PIP4K2C	cg05694847	rs11613457	-0.020	0.008	-0.020 (-0.036, -0.005)	0.011	0.101	0.171	20
PEF	ST20	cg18753337	rs34847355	0.007	0.003	0.007 (0.002, 0.012)	0.011	0.101	0.167	20
PEF	TBC1D14	cg26109897	rs10032908	0.013	0.005	0.013 (0.003, 0.023)	0.011	0.101	0.624	20
PEF	TBC1D14	cg00813886	rs10937762	0.054	0.021	0.054 (0.012, 0.095)	0.011	0.101	0.683	20
PEF	NR4A2	cg20570611	rs1996275	0.052	0.021	0.052 (0.012, 0.092)	0.011	0.101	0.612	17
PEF	DDX47	cg14463304	rs11834397	0.048	0.019	0.048 (0.011, 0.085)	0.011	0.101	0.567	18
PEF	ACSF2	cg19748341	rs4794144	0.043	0.017	0.043 (0.010, 0.076)	0.011	0.101	0.028	16
PEF	FEZ2	cg24860371	rs11693359	-0.037	0.014	-0.037 (-0.065, -0.008)	0.011	0.101	0.322	20
PEF	FOXK1	cg14582057	rs6973046	0.022	0.008	0.022 (0.005, 0.038)	0.011	0.101	0.745	16
PEF	ING5	cg04122744	rs7591047	0.028	0.011	0.028 (0.006, 0.049)	0.011	0.101	0.352	20
PEF	ACSF2;CHAD	cg17890928	rs2277629	-0.041	0.016	-0.041 (-0.072, -0.009)	0.011	0.102	0.015	20
PEF	CDKN2D	cg08312369	rs8105074	0.050	0.020	0.050 (0.011, 0.089)	0.011	0.102	0.315	16
PEF	PRKCA	cg04955246	rs9635753	-0.050	0.020	-0.050 (-0.088, -0.011)	0.011	0.102	0.112	20
PEF	MAPK7	cg13832201	rs7501702	-0.040	0.016	-0.040 (-0.071, -0.009)	0.011	0.102	0.167	20
PEF	TRAF1	cg14518276	rs6478486	0.019	0.008	0.019 (0.004, 0.034)	0.011	0.102	0.205	20

PEF	BCL2L10	cg03151554	rs79704026	-0.031	0.012	-0.031 (-0.056, -0.007)	0.011	0.103	0.545	20
PEF	C15orf37;ST20	cg11970192	rs34847355	-0.014	0.005	-0.014 (-0.024, -0.003)	0.011	0.103	0.807	20
PEF	TBC1D14	cg16851482	rs3892976	-0.017	0.007	-0.017 (-0.031, -0.004)	0.011	0.103	0.663	20
PEF	TP73	cg05116756	rs35837097	-0.032	0.013	-0.032 (-0.058, -0.007)	0.011	0.103	0.254	15
PEF	NR4A2	cg27074041	rs295796	0.054	0.021	0.054 (0.012, 0.096)	0.011	0.103	0.587	15
PEF	NR4A2	cg18941818	rs11896669	0.052	0.020	0.052 (0.012, 0.092)	0.011	0.103	0.543	18
PEF	BCL2L10	cg15190747	rs79704026	-0.032	0.013	-0.032 (-0.057, -0.007)	0.012	0.103	0.628	20
PEF	PRKCA	cg17069533	rs9635753	-0.051	0.020	-0.051 (-0.090, -0.011)	0.012	0.103	0.196	20
PEF	DCC	cg20917891	rs7242705	-0.022	0.009	-0.022 (-0.040, -0.005)	0.012	0.103	0.283	20
PEF	KIT	cg18836493	rs981959	-0.017	0.007	-0.017 (-0.031, -0.004)	0.012	0.103	0.485	20
PEF	GATA4	cg13434842	rs73203475	0.035	0.014	0.035 (0.008, 0.062)	0.012	0.103	0.051	20
PEF	CHMP4B	cg03864128	rs2092737	-0.007	0.003	-0.007 (-0.013, -0.002)	0.012	0.104	0.179	20
PEF	CHMP4B	cg03355213	rs2092737	-0.007	0.003	-0.007 (-0.012, -0.002)	0.012	0.104	0.214	20
PEF	WDR35	cg22939193	rs16987211	0.051	0.020	0.051 (0.011, 0.090)	0.012	0.104	0.653	13
PEF	DSTN	cg25694790	rs6034875	0.017	0.007	0.017 (0.004, 0.031)	0.012	0.104	0.481	20
PEF	BCL2L10	cg03929531	rs79704026	-0.034	0.014	-0.034 (-0.061, -0.008)	0.012	0.104	0.772	20
PEF	EIF2AK4	cg22077389	rs518770	-0.009	0.004	-0.009 (-0.016, -0.002)	0.012	0.104	0.968	20
PEF	EIF2AK4	cg25407064	rs518770	-0.008	0.003	-0.008 (-0.015, -0.002)	0.012	0.104	0.985	20
PEF	EIF2AK4	cg21830797	rs518770	-0.009	0.003	-0.009 (-0.015, -0.002)	0.012	0.104	0.975	20
PEF	NR4A2	cg13500877	rs1871778	0.052	0.021	0.052 (0.011, 0.092)	0.012	0.104	0.504	20
PEF	MSX1	cg13882284	rs80183133	0.045	0.018	0.045 (0.010, 0.081)	0.012	0.104	0.533	13
PEF	BIK	cg26453588	rs12168319	-0.014	0.006	-0.014 (-0.025, -0.003)	0.012	0.104	0.821	20
PEF	EIF2AK4	cg05304366	rs534757	0.011	0.004	0.011 (0.002, 0.019)	0.012	0.104	0.907	20
PEF	TFRC	cg03462622	rs3933	-0.013	0.005	-0.013 (-0.022, -0.003)	0.012	0.105	0.936	20
PEF	ERCC4	cg03927470	rs3136155	0.013	0.005	0.013 (0.003, 0.023)	0.012	0.105	0.753	20
PEF	PRKCA	cg04658038	rs9635753	-0.053	0.021	-0.053 (-0.095, -0.012)	0.012	0.105	0.078	20
PEF	UACA	cg09345916	rs4777306	0.053	0.021	0.053 (0.012, 0.095)	0.012	0.105	0.231	10
PEF	DCC	cg18841634	rs7242705	0.026	0.011	0.026 (0.006, 0.047)	0.012	0.105	0.657	20
PEF	GFAP	cg18208742	rs76566528	-0.045	0.018	-0.045 (-0.080, -0.010)	0.012	0.105	0.020	20
PEF	SFRP2	cg05050042	rs1598633	0.041	0.017	0.041 (0.009, 0.074)	0.012	0.105	0.201	20
PEF	BIK	cg04042468	rs12168319	-0.017	0.007	-0.017 (-0.030, -0.004)	0.012	0.105	0.657	20
PEF	STAT3	cg06270615	rs9895473	-0.008	0.003	-0.008 (-0.013, -0.002)	0.013	0.106	0.625	20
PEF	PTGDR	cg17929687	rs11626204	-0.026	0.010	-0.026 (-0.046, -0.006)	0.013	0.106	0.647	20
PEF	ING5	cg03979788	rs7588212	-0.007	0.003	-0.007 (-0.012, -0.001)	0.013	0.106	0.066	20
PEF	EIF2AK4	cg19538502	rs534757	-0.016	0.006	-0.016 (-0.028, -0.003)	0.013	0.106	0.985	20
PEF	DAB2IP	cg14594187	rs10760198	0.050	0.020	0.050 (0.011, 0.089)	0.013	0.107	0.623	20
PEF	GSDMA	cg08995595	rs12603481	0.032	0.013	0.032 (0.007, 0.058)	0.013	0.107	0.411	20
PEF	FNIP2	cg13702235	rs10031800	-0.026	0.010	-0.026 (-0.046, -0.005)	0.013	0.107	0.563	20
PEF	DAPK2	cg24729988	rs12902972	-0.038	0.015	-0.038 (-0.069, -0.008)	0.013	0.108	0.938	20
PEF	PTGDR	cg24989962	rs11626204	-0.029	0.012	-0.029 (-0.051, -0.006)	0.013	0.109	0.451	20
PEF	EYA4	cg18714224	rs2145351	0.013	0.005	0.013 (0.003, 0.024)	0.013	0.109	0.191	20
PEF	DCC	cg25602457	rs13381479	-0.020	0.008	-0.020 (-0.035, -0.004)	0.013	0.109	0.302	20

PEF	SPATA2	cg09647671	rs645544	0.020	0.008	0.020 (0.004, 0.036)	0.013	0.110	0.071	20
PEF	TBC1D14	cg26562462	rs10937766	0.028	0.011	0.028 (0.006, 0.050)	0.013	0.110	0.839	20
PEF	WIPI2	cg27021327	rs4724461	0.016	0.006	0.016 (0.003, 0.028)	0.013	0.111	0.279	20
PEF	LAPTM4A	cg17989428	rs12052278	0.038	0.015	0.038 (0.008, 0.068)	0.014	0.112	0.770	20
PEF	PRKCD	cg04981430	rs2306570	-0.015	0.006	-0.015 (-0.027, -0.003)	0.014	0.113	0.053	17
PEF	DSTN	cg10573932	rs3790316	-0.019	0.008	-0.019 (-0.034, -0.004)	0.014	0.113	0.789	20
PEF	GSDMB	cg10057218	rs7224129	0.013	0.005	0.013 (0.003, 0.024)	0.014	0.113	0.392	20
PEF	IL6R	cg13549904	rs55668699	-0.019	0.008	-0.019 (-0.034, -0.004)	0.014	0.113	0.061	20
PEF	AIRE	cg18689454	rs2838534	-0.039	0.016	-0.039 (-0.070, -0.008)	0.014	0.113	0.304	10
PEF	BNIP3	cg23606392	rs3737058	0.051	0.021	0.051 (0.010, 0.092)	0.014	0.113	0.860	6
PEF	MTMR9	cg06240162	rs3808502	-0.044	0.018	-0.044 (-0.079, -0.009)	0.014	0.114	0.976	20
PEF	AIRE	cg16501323	rs2838534	-0.040	0.016	-0.040 (-0.071, -0.008)	0.014	0.114	0.183	12
PEF	BIK	cg10513709	rs12168319	-0.027	0.011	-0.027 (-0.049, -0.005)	0.014	0.114	0.638	20
PEF	PRKCD	cg03200095	rs2306570	0.019	0.008	0.019 (0.004, 0.034)	0.014	0.114	0.100	17
PEF	DCC	cg25818763	rs8083215	0.037	0.015	0.037 (0.007, 0.067)	0.014	0.114	0.871	20
PEF	TRIM65	cg26780705	rs58587945	-0.039	0.016	-0.039 (-0.070, -0.008)	0.014	0.115	0.403	20
PEF	DSTN	cg22276571	rs6034875	-0.031	0.013	-0.031 (-0.055, -0.006)	0.014	0.116	0.730	20
PEF	RAF1	cg12173506	rs4684110	0.053	0.022	0.053 (0.010, 0.095)	0.015	0.116	0.646	20
PEF	AIRE	cg16717549	rs2838534	-0.041	0.017	-0.041 (-0.074, -0.008)	0.015	0.116	0.471	9
PEF	C15orf37;ST20	cg27236825	rs12442712	0.028	0.011	0.028 (0.005, 0.050)	0.015	0.117	0.465	20
PEF	FLNB	cg17338821	rs2257266	-0.014	0.006	-0.014 (-0.026, -0.003)	0.015	0.117	0.031	20
PEF	AIRE	cg09510531	rs2838534	-0.042	0.017	-0.042 (-0.075, -0.008)	0.015	0.117	0.224	10
PEF	AIRE	cg11923631	rs2838534	-0.042	0.017	-0.042 (-0.075, -0.008)	0.015	0.117	0.119	12
PEF	TBXAS1;HIPK2	cg00445997	rs1860509	-0.030	0.012	-0.030 (-0.054, -0.006)	0.015	0.117	0.451	20
PEF	EIF2AK4	cg04467278	rs508281	-0.022	0.009	-0.022 (-0.040, -0.004)	0.015	0.118	0.865	20
PEF	AIRE	cg27251412	rs2838534	-0.042	0.017	-0.042 (-0.077, -0.008)	0.015	0.118	0.259	10
PEF	HIPK2	cg01581050	rs74531640	0.037	0.015	0.037 (0.007, 0.066)	0.015	0.119	0.599	5
PEF	SFRP2	cg01821854	rs55895613	-0.041	0.017	-0.041 (-0.073, -0.008)	0.015	0.119	0.100	20
PEF	HIPK2	cg11032313	rs10268753	-0.021	0.009	-0.021 (-0.038, -0.004)	0.015	0.120	0.140	20
PEF	SUMF1	cg24840601	rs901870	0.033	0.014	0.033 (0.006, 0.061)	0.015	0.120	0.259	20
PEF	BOK	cg24828208	rs12695002	0.040	0.016	0.040 (0.008, 0.072)	0.015	0.121	0.054	20
PEF	HIPK2	cg03520802	rs73156837	0.015	0.006	0.015 (0.003, 0.027)	0.016	0.124	0.313	11
PEF	PPP3CC	cg13180375	rs2122877	-0.020	0.008	-0.020 (-0.037, -0.004)	0.016	0.124	0.660	20
PEF	GATA4	cg23972785	rs10086500	0.016	0.006	0.016 (0.003, 0.028)	0.016	0.125	0.431	20
PEF	LIPA	cg12555086	rs1412444	-0.006	0.003	-0.006 (-0.011, -0.001)	0.016	0.125	0.643	20
PEF	CFLAR	cg25051278	rs60630751	-0.018	0.008	-0.018 (-0.033, -0.003)	0.016	0.125	0.688	20
PEF	STAT3	cg17833746	rs11079043	0.030	0.013	0.030 (0.006, 0.055)	0.016	0.125	0.814	20
PEF	CSNK2A1	cg07511836	rs459710	-0.013	0.006	-0.013 (-0.024, -0.002)	0.016	0.125	0.409	20
PEF	PRRT1;PPT2	cg21037008	rs114004994	0.031	0.013	0.031 (0.006, 0.056)	0.016	0.125	0.011	12
PEF	PLK3	cg17233819	rs6697153	-0.023	0.009	-0.023 (-0.041, -0.004)	0.016	0.125	0.061	20
PEF	GNAI3	cg08644463	rs6692804	0.009	0.004	0.009 (0.002, 0.016)	0.016	0.126	0.092	20
PEF	SLC39A14	cg23563866	rs6994140	0.029	0.012	0.029 (0.005, 0.052)	0.016	0.126	0.450	20

PEF	AIRE	cg08089567	rs2838534	-0.047	0.020	-0.047 (-0.085, -0.009)	0.016	0.126	0.085	11
PEF	BIK	cg08954856	rs12168319	-0.036	0.015	-0.036 (-0.066, -0.007)	0.017	0.126	0.661	20
PEF	AP3D1	cg27089789	rs75138150	0.010	0.004	0.010 (0.002, 0.019)	0.017	0.127	0.198	20
PEF	PAFAH1B2	cg10398005	rs2735181	0.038	0.016	0.038 (0.007, 0.069)	0.017	0.127	0.011	20
PEF	PTGDR	cg18242103	rs11157907	-0.028	0.012	-0.028 (-0.051, -0.005)	0.017	0.128	0.470	20
PEF	AIRE	cg17356252	rs2838534	-0.048	0.020	-0.048 (-0.087, -0.009)	0.017	0.128	0.285	8
PEF	STAT3	cg05487134	rs4796793	0.024	0.010	0.024 (0.004, 0.044)	0.017	0.129	0.785	20
PEF	FGFR3	cg03874978	rs68036491	-0.047	0.020	-0.047 (-0.085, -0.008)	0.017	0.129	0.046	15
PEF	PTGDR	cg02191312	rs11626204	-0.044	0.018	-0.044 (-0.080, -0.008)	0.017	0.130	0.339	10
PEF	FEZ2	cg04352803	rs848610	-0.034	0.014	-0.034 (-0.063, -0.006)	0.017	0.130	0.193	20
PEF	FLNB	cg23730027	rs2686629	-0.021	0.009	-0.021 (-0.039, -0.004)	0.017	0.131	0.010	20
PEF	STAT3	cg24312520	rs9895473	0.035	0.015	0.035 (0.006, 0.064)	0.018	0.132	0.201	20
PEF	FOXK1	cg06287775	rs7781115	-0.030	0.013	-0.030 (-0.055, -0.005)	0.018	0.132	0.377	9
PEF	SLC39A14	cg27467876	rs10090885	0.005	0.002	0.005 (0.001, 0.009)	0.018	0.134	0.105	20
PEF	BIK	cg20550677	rs4988364	-0.037	0.016	-0.037 (-0.068, -0.006)	0.018	0.135	0.901	14
PEF	GSDMD	cg22012530	rs60649827	-0.010	0.004	-0.010 (-0.018, -0.002)	0.018	0.135	0.381	20
PEF	SLC39A14	cg23129673	rs13266541	-0.007	0.003	-0.007 (-0.013, -0.001)	0.018	0.135	0.089	20
PEF	THBS1	cg05886626	rs2618164	-0.017	0.007	-0.017 (-0.031, -0.003)	0.018	0.135	0.195	20
PEF	SLC39A14	cg13512537	rs12676477	0.008	0.004	0.008 (0.001, 0.016)	0.018	0.136	0.110	20
PEF	PRRT1;PPT2	cg02429905	rs114004994	0.037	0.016	0.037 (0.006, 0.068)	0.018	0.136	0.013	9
PEF	IGF2R	cg12754982	rs57570593	0.020	0.009	0.020 (0.003, 0.037)	0.018	0.136	0.690	20
PEF	STAT3	cg24718015	rs9912773	0.030	0.013	0.030 (0.005, 0.056)	0.019	0.137	0.449	20
PEF	CSNK2A1	cg26292976	rs459710	-0.026	0.011	-0.026 (-0.048, -0.004)	0.019	0.138	0.306	20
PEF	E2F2	cg22040403	rs2742976	-0.007	0.003	-0.007 (-0.012, -0.001)	0.019	0.141	0.017	20
PEF	PRKCA	cg25649039	rs4556826	0.053	0.023	0.053 (0.009, 0.098)	0.019	0.142	0.037	17
PEF	C9orf72	cg13958452	rs3849946	0.014	0.006	0.014 (0.002, 0.026)	0.019	0.142	0.103	20
PEF	BIRC2	cg11114757	rs1318199	-0.015	0.006	-0.015 (-0.027, -0.002)	0.019	0.142	0.551	20
PEF	HIPK2	cg03224163	rs1860509	-0.044	0.019	-0.044 (-0.081, -0.007)	0.019	0.142	0.277	17
PEF	IRF2	cg04718987	rs7685698	-0.042	0.018	-0.042 (-0.078, -0.007)	0.019	0.142	0.113	8
PEF	AP3D1	cg22598241	rs77671679	0.012	0.005	0.012 (0.002, 0.022)	0.020	0.145	0.053	20
PEF	DSTN	cg17499719	rs6034875	0.048	0.021	0.048 (0.008, 0.089)	0.020	0.147	0.050	10
PEF	MTMR9	cg12981288	rs7008205	-0.032	0.014	-0.032 (-0.059, -0.005)	0.020	0.147	0.948	20
PEF	DSTN	cg14158573	rs6034875	-0.048	0.021	-0.048 (-0.089, -0.008)	0.020	0.147	0.581	11
PEF	RET	cg02045259	rs2506005	-0.016	0.007	-0.016 (-0.029, -0.002)	0.020	0.147	0.454	20
PEF	HIPK2	cg03369382	rs11769961	-0.050	0.021	-0.050 (-0.092, -0.008)	0.020	0.148	0.902	20
PEF	JMY	cg05350396	rs147738373	-0.010	0.004	-0.010 (-0.019, -0.002)	0.020	0.149	0.024	20
PEF	TRIM8	cg06662132	rs7475335	0.037	0.016	0.037 (0.006, 0.068)	0.020	0.149	0.230	20
PEF	CYP1B1	cg12802310	rs151256	0.018	0.008	0.018 (0.003, 0.034)	0.021	0.151	0.910	20
PEF	DEF8	cg03721293	rs78517194	0.015	0.007	0.015 (0.002, 0.028)	0.021	0.151	0.634	20
PEF	FEZ2	cg01109574	rs5003670	-0.019	0.008	-0.019 (-0.035, -0.003)	0.021	0.152	0.261	20
PEF	IL10	cg17067005	rs1800871	-0.032	0.014	-0.032 (-0.059, -0.005)	0.021	0.154	0.124	12
PEF	EXOC1	cg20618651	rs6824915	-0.018	0.008	-0.018 (-0.034, -0.003)	0.021	0.154	0.618	20

PEF	AP1M2	cg23652172	rs8113212	-0.046	0.020	-0.046 (-0.085, -0.007)	0.022	0.156	0.750	20
PEF	DEF8	cg04752812	rs78517194	0.020	0.009	0.020 (0.003, 0.038)	0.022	0.157	0.648	20
PEF	RPTOR	cg09592546	rs80183474	0.006	0.003	0.006 (0.001, 0.011)	0.022	0.158	0.698	20
PEF	HYAL2	cg12150256	rs7642692	0.028	0.012	0.028 (0.004, 0.053)	0.022	0.159	0.633	20
PEF	HIPK2	cg22164250	rs73156853	0.019	0.008	0.019 (0.003, 0.035)	0.022	0.160	0.437	7
PEF	ERCC4	cg24091698	rs3136085	0.034	0.015	0.034 (0.005, 0.063)	0.022	0.160	0.343	20
PEF	GFRAL	cg11823729	rs12199003	0.016	0.007	0.016 (0.002, 0.030)	0.022	0.160	0.601	20
PEF	AP3B2	cg25584930	rs28582623	0.030	0.013	0.030 (0.004, 0.056)	0.022	0.160	0.056	20
PEF	LIPA	cg20592345	rs1332329	0.016	0.007	0.016 (0.002, 0.030)	0.022	0.160	0.560	20
PEF	SFRP1	cg14824386	rs968427	-0.037	0.016	-0.037 (-0.070, -0.005)	0.023	0.162	0.029	7
PEF	ORMDL3	cg12655416	rs8076131	0.010	0.004	0.010 (0.001, 0.019)	0.023	0.164	0.484	20
PEF	LAPTM5	cg10709350	rs3795438	-0.007	0.003	-0.007 (-0.013, -0.001)	0.023	0.164	0.043	20
PEF	AP3B2	cg27279991	rs7163848	-0.029	0.013	-0.029 (-0.055, -0.004)	0.023	0.164	0.178	20
PEF	DDX5	cg08350119	rs112616321	0.021	0.009	0.021 (0.003, 0.040)	0.023	0.164	0.081	7
PEF	CYP1B1	cg05062676	rs2447754	0.021	0.009	0.021 (0.003, 0.038)	0.023	0.164	0.946	20
PEF	TNFRSF1B	cg13471521	rs500734	0.021	0.009	0.021 (0.003, 0.039)	0.023	0.164	0.031	20
PEF	SCOC	cg02182440	rs116730782	-0.041	0.018	-0.041 (-0.077, -0.006)	0.023	0.164	0.043	18
PEF	PIAS4	cg13573375	rs749449	0.006	0.003	0.006 (0.001, 0.011)	0.024	0.165	0.215	20
PEF	IGF2R	cg18189591	rs57570593	0.036	0.016	0.036 (0.005, 0.067)	0.024	0.165	0.454	20
PEF	KIF25	cg16038269	rs227238	-0.037	0.016	-0.037 (-0.069, -0.005)	0.024	0.168	0.063	20
PEF	AP3B2	cg20592391	rs7163848	0.032	0.014	0.032 (0.004, 0.060)	0.024	0.168	0.089	20
PEF	FLNB	cg07624888	rs4681795	0.013	0.006	0.013 (0.002, 0.024)	0.024	0.169	0.168	20
PEF	IRF1	cg17394978	rs2706385	-0.009	0.004	-0.009 (-0.017, -0.001)	0.024	0.170	0.101	20
PEF	PTGDR	cg18369034	rs11623990	0.011	0.005	0.011 (0.001, 0.020)	0.025	0.171	0.967	20
PEF	CASP9	cg14078231	rs4645983	0.012	0.005	0.012 (0.002, 0.023)	0.025	0.172	0.654	20
PEF	TRPM7	cg11811464	rs116826302	-0.045	0.020	-0.045 (-0.085, -0.006)	0.025	0.173	0.182	11
PEF	GFRAL	cg23978358	rs12199003	0.025	0.011	0.025 (0.003, 0.048)	0.025	0.173	0.462	20
PEF	PPP1CA;TBC1D10C	cg09190408	rs872110	0.018	0.008	0.018 (0.002, 0.034)	0.025	0.173	0.720	20
PEF	DCC	cg21623566	rs17747515	-0.043	0.019	-0.043 (-0.081, -0.005)	0.025	0.173	0.184	16
PEF	WDR41	cg26820915	rs6877537	-0.006	0.003	-0.006 (-0.011, -0.001)	0.025	0.173	0.249	20
PEF	USP10	cg05298510	rs8044259	0.019	0.009	0.019 (0.002, 0.036)	0.025	0.174	0.915	20
PEF	PLEKHM2	cg09873284	rs1547033	-0.036	0.016	-0.036 (-0.068, -0.004)	0.026	0.176	0.249	20
PEF	HIPK2	cg24540732	rs73156838	0.021	0.009	0.021 (0.003, 0.039)	0.026	0.176	0.233	7
PEF	TP73	cg17919477	rs2244942	0.015	0.007	0.015 (0.002, 0.028)	0.026	0.176	0.250	20
PEF	AP3B2	cg21669441	rs7163848	-0.036	0.016	-0.036 (-0.068, -0.004)	0.026	0.176	0.012	20
PEF	GSDMD	cg20583945	rs113959366	0.005	0.002	0.005 (0.001, 0.010)	0.026	0.177	0.011	20
PEF	CASP9	cg05660106	rs59513462	0.005	0.002	0.005 (0.001, 0.010)	0.026	0.178	0.544	20
PEF	RAB34	cg05668853	rs9895369	-0.034	0.015	-0.034 (-0.064, -0.004)	0.026	0.178	0.185	20
PEF	GSDMD	cg09317036	rs113959366	0.008	0.003	0.008 (0.001, 0.014)	0.026	0.178	0.148	20
PEF	GSDMD	cg22995724	rs113959366	-0.008	0.004	-0.008 (-0.016, -0.001)	0.026	0.178	0.703	20
PEF	TBC1D14	cg04254028	rs11731681	0.044	0.020	0.044 (0.005, 0.083)	0.026	0.179	0.267	20
PEF	GSDMD	cg03367493	rs12679598	-0.010	0.005	-0.010 (-0.020, -0.001)	0.026	0.179	0.287	20

PEF	FEZ2	cg09467607	rs11886145	-0.008	0.004	-0.008 (-0.015, -0.001)	0.027	0.179	0.016	20
PEF	SLC39A14	cg14348540	rs4871996	0.019	0.008	0.019 (0.002, 0.035)	0.027	0.179	0.055	20
PEF	SLC39A14	cg01754958	rs4872490	-0.043	0.019	-0.043 (-0.080, -0.005)	0.027	0.180	0.657	12
PEF	AVP	cg25673357	rs6084264	0.008	0.004	0.008 (0.001, 0.015)	0.027	0.182	0.475	16
PEF	HYAL1	cg04380576	rs140406358	-0.033	0.015	-0.033 (-0.062, -0.004)	0.027	0.182	0.607	3
PEF	NANOS3	cg09212407	rs1811526	0.015	0.007	0.015 (0.002, 0.029)	0.027	0.182	0.350	20
PEF	LAPTM4A	cg11245806	rs1513830	0.014	0.006	0.014 (0.002, 0.027)	0.027	0.183	0.164	20
PEF	WDR41	cg02017109	rs6877537	-0.018	0.008	-0.018 (-0.035, -0.002)	0.027	0.183	0.522	20
PEF	AP3B2	cg09784977	rs8028363	-0.026	0.012	-0.026 (-0.049, -0.003)	0.027	0.183	0.020	20
PEF	MSH6	cg04781916	rs3136230	0.014	0.006	0.014 (0.002, 0.027)	0.027	0.183	0.040	20
PEF	CRADD	cg09631880	rs55700143	-0.028	0.013	-0.028 (-0.052, -0.003)	0.027	0.183	0.092	20
PEF	FER	cg16174681	rs79409628	0.020	0.009	0.020 (0.002, 0.037)	0.028	0.183	0.525	20
PEF	LGALS8	cg06118122	rs2758168	-0.036	0.016	-0.036 (-0.068, -0.004)	0.028	0.183	0.630	20
PEF	NANOS3	cg00863306	rs1811526	0.019	0.009	0.019 (0.002, 0.036)	0.028	0.185	0.572	11
PEF	GPSM1	cg14350257	rs35774078	0.027	0.012	0.027 (0.003, 0.051)	0.028	0.186	0.423	13
PEF	BIK	cg13934236	rs909666	-0.030	0.014	-0.030 (-0.057, -0.003)	0.028	0.186	0.766	20
PEF	LIPT1;TSGA10	cg06240854	rs13009147	-0.035	0.016	-0.035 (-0.065, -0.004)	0.028	0.186	0.112	20
PEF	RPTOR	cg13311292	rs150738216	0.037	0.017	0.037 (0.004, 0.070)	0.028	0.186	0.603	20
PEF	IRF1	cg13907973	rs2070729	-0.009	0.004	-0.009 (-0.018, -0.001)	0.028	0.187	0.023	20
PEF	AVP	cg02187522	rs6084264	-0.013	0.006	-0.013 (-0.024, -0.001)	0.028	0.187	0.243	13
PEF	LARP1	cg06912665	rs3867429	-0.023	0.011	-0.023 (-0.044, -0.002)	0.028	0.187	0.804	20
PEF	ATP6V0D1	cg06120000	rs75204333	0.037	0.017	0.037 (0.004, 0.071)	0.029	0.188	0.097	20
PEF	ORMDL3	cg22144450	rs4795401	0.012	0.005	0.012 (0.001, 0.022)	0.029	0.188	0.303	20
PEF	PIK3R2	cg11594160	rs28730848	0.007	0.003	0.007 (0.001, 0.013)	0.029	0.188	0.360	20
PEF	AVP	cg05136169	rs6084264	-0.014	0.006	-0.014 (-0.026, -0.001)	0.029	0.189	0.214	13
PEF	WDR20;HSP90AA1	cg18412984	rs7157099	-0.021	0.009	-0.021 (-0.039, -0.002)	0.029	0.189	0.414	20
PEF	GGCT	cg12773030	rs13228079	-0.025	0.012	-0.025 (-0.048, -0.003)	0.029	0.190	0.084	20
PEF	PPT2	cg06902929	rs417035	0.029	0.013	0.029 (0.003, 0.056)	0.029	0.191	0.046	20
PEF	KIF25	cg03662475	rs2636354	-0.039	0.018	-0.039 (-0.074, -0.004)	0.029	0.191	0.023	20
PEF	FOXK2	cg14587273	rs9903168	-0.010	0.004	-0.010 (-0.018, -0.001)	0.029	0.192	0.513	20
PEF	NANOS3	cg22075918	rs2016163	0.016	0.007	0.016 (0.002, 0.030)	0.030	0.192	0.335	20
PEF	HYAL2	cg12976582	rs12629572	0.017	0.008	0.017 (0.002, 0.032)	0.030	0.193	0.697	20
PEF	DBH	cg25020204	rs1611114	0.020	0.009	0.020 (0.002, 0.039)	0.030	0.194	0.156	18
PEF	PARP1	cg02088626	rs2048426	0.013	0.006	0.013 (0.001, 0.025)	0.030	0.194	0.275	20
PEF	SIAH1	cg04939900	rs11076565	-0.031	0.014	-0.031 (-0.059, -0.003)	0.030	0.194	0.235	20
PEF	P2RX7	cg10901569	rs2686369	-0.016	0.007	-0.016 (-0.030, -0.002)	0.030	0.194	0.234	20
PEF	WIPI2	cg23122899	rs4720533	0.022	0.010	0.022 (0.002, 0.042)	0.030	0.194	0.224	20
PEF	FER	cg11403831	rs79409628	-0.028	0.013	-0.028 (-0.053, -0.003)	0.030	0.194	0.680	20
PEF	HYAL2	cg13341668	rs12629572	0.019	0.009	0.019 (0.002, 0.036)	0.030	0.194	0.843	20
PEF	EIF4G1	cg05272594	rs2230570	0.022	0.010	0.022 (0.002, 0.042)	0.030	0.195	0.706	19
PEF	WDR41	cg14666655	rs40012	-0.020	0.009	-0.020 (-0.037, -0.002)	0.030	0.195	0.408	20
PEF	C15orf37;ST20	cg01351869	rs2865825	-0.038	0.017	-0.038 (-0.072, -0.004)	0.030	0.195	0.460	13

PEF	GSDMD	cg06553843	rs2242093	-0.011	0.005	-0.011 (-0.020, -0.001)	0.031	0.196	0.342	20
PEF	HYOU1	cg20396526	rs145680506	0.021	0.010	0.021 (0.002, 0.040)	0.031	0.196	0.323	18
PEF	IL6R	cg09257526	rs6695045	-0.035	0.016	-0.035 (-0.066, -0.003)	0.031	0.196	0.075	16
PEF	MSH6	cg05039065	rs3136230	-0.027	0.013	-0.027 (-0.052, -0.003)	0.031	0.196	0.098	20
PEF	FTH1	cg24803614	rs195445	-0.017	0.008	-0.017 (-0.032, -0.002)	0.031	0.196	0.050	20
PEF	WWOX	cg10466626	rs12596756	-0.023	0.011	-0.023 (-0.043, -0.002)	0.031	0.198	0.316	20
PEF	ARSB	cg15712777	rs76400815	0.025	0.012	0.025 (0.002, 0.048)	0.031	0.198	0.101	20
PEF	IQGAP1	cg22735190	rs111592783	-0.020	0.009	-0.020 (-0.039, -0.002)	0.032	0.199	0.675	20
PEF	NDUFA13	cg08815677	rs1054308	-0.021	0.010	-0.021 (-0.040, -0.002)	0.032	0.199	0.732	20
PEF	FTH1	cg01209023	rs195445	-0.019	0.009	-0.019 (-0.037, -0.002)	0.032	0.199	0.049	20
PEF	IRF1	cg21138405	rs10068129	-0.005	0.002	-0.005 (-0.009, -0.000)	0.032	0.199	0.037	20
PEF	FTH1	cg02315732	rs195445	-0.020	0.009	-0.020 (-0.039, -0.002)	0.032	0.199	0.480	20
PEF	LGALS8	cg01809927	rs1160	0.007	0.003	0.007 (0.001, 0.013)	0.032	0.200	0.897	20
PEF	ITPR1	cg11584376	rs9880589	-0.012	0.006	-0.012 (-0.023, -0.001)	0.032	0.201	0.098	20
PEF	TGFB2	cg07810039	rs3121580	0.031	0.014	0.031 (0.003, 0.059)	0.032	0.201	0.352	5
PEF	VPS4A	cg26468152	rs13339524	0.030	0.014	0.030 (0.003, 0.058)	0.032	0.201	0.066	20
PEF	IL4R	cg26937798	rs7187471	0.013	0.006	0.013 (0.001, 0.025)	0.032	0.202	0.037	20
PEF	NANOS3	cg03346733	rs3745457	0.018	0.008	0.018 (0.001, 0.034)	0.033	0.202	0.490	20
PEF	GPSM1	cg14271150	rs35774078	0.037	0.017	0.037 (0.003, 0.071)	0.033	0.203	0.578	12
PEF	GNAI2	cg17641710	rs41291724	0.028	0.013	0.028 (0.002, 0.053)	0.033	0.203	0.774	20
PEF	CBL	cg22414151	rs11243	-0.017	0.008	-0.017 (-0.032, -0.001)	0.033	0.203	0.256	14
PEF	CD44	cg16344511	rs9666607	-0.014	0.006	-0.014 (-0.026, -0.001)	0.033	0.204	0.944	20
PEF	EPHA2	cg26371327	rs6679761	-0.016	0.007	-0.016 (-0.030, -0.001)	0.033	0.204	0.245	20
PEF	STAT5B	cg19465320	rs9889323	0.024	0.011	0.024 (0.002, 0.046)	0.033	0.204	0.815	20
PEF	EPHA2	cg27582323	rs6679761	-0.016	0.008	-0.016 (-0.032, -0.001)	0.033	0.205	0.199	20
PEF	SFN	cg14825555	rs35755865	0.030	0.014	0.030 (0.002, 0.058)	0.033	0.205	0.015	20
PEF	TCIRG1	cg18456140	rs3808973	-0.012	0.006	-0.012 (-0.023, -0.001)	0.033	0.205	0.568	20
PEF	NLRC4	cg14625450	rs212756	0.019	0.009	0.019 (0.001, 0.036)	0.033	0.205	0.066	20
PEF	ALOX12	cg20216752	rs434844	0.018	0.008	0.018 (0.001, 0.034)	0.034	0.206	0.012	20
PEF	AP3B2	cg18253757	rs4513065	0.042	0.020	0.042 (0.003, 0.080)	0.034	0.206	0.553	20
PEF	PPT2;PRRT1	cg01111041	rs417035	-0.039	0.018	-0.039 (-0.075, -0.003)	0.034	0.206	0.128	20
PEF	PPP1CA	cg12939085	rs2255990	0.019	0.009	0.019 (0.001, 0.037)	0.034	0.206	0.608	20
PEF	MSH6	cg16595246	rs3136230	-0.034	0.016	-0.034 (-0.066, -0.003)	0.034	0.206	0.110	20
PEF	RAB7A	cg19205850	rs9882023	0.015	0.007	0.015 (0.001, 0.028)	0.034	0.206	0.061	20
PEF	PRKD1	cg15490801	rs138940224	-0.033	0.016	-0.033 (-0.064, -0.003)	0.034	0.206	0.693	8
PEF	NANOS3	cg08482080	rs12975695	-0.022	0.010	-0.022 (-0.042, -0.002)	0.034	0.206	0.646	20
PEF	FEZ2	cg11324054	rs13013664	-0.027	0.013	-0.027 (-0.052, -0.002)	0.034	0.207	0.024	20
PEF	EYA4	cg25075347	rs212786	-0.006	0.003	-0.006 (-0.011, -0.000)	0.034	0.208	0.563	20
PEF	TFDP1	cg16637188	rs4076410	-0.033	0.016	-0.033 (-0.063, -0.002)	0.034	0.208	0.540	20
PEF	FEZ1	cg18436735	rs669052	0.013	0.006	0.013 (0.001, 0.025)	0.035	0.208	0.709	20
PEF	SIAH1	cg06521835	rs9938490	-0.005	0.002	-0.005 (-0.010, -0.000)	0.035	0.208	0.545	20
PEF	FHIT	cg21541638	rs17064628	-0.029	0.014	-0.029 (-0.057, -0.002)	0.035	0.208	0.512	20

PEF	BCL2L12	cg16618260	rs10411771	0.044	0.021	0.044 (0.003, 0.085)	0.035	0.208	0.037	12
PEF	NOS3	cg00700487	rs743506	0.016	0.008	0.016 (0.001, 0.032)	0.034	0.208	0.395	20
PEF	ING5	cg03108703	rs34641797	-0.009	0.004	-0.009 (-0.017, -0.001)	0.035	0.208	0.946	20
PEF	IRF1	cg00255919	rs10051145	-0.004	0.002	-0.004 (-0.009, -0.000)	0.035	0.209	0.038	20
PEF	PRKAG2	cg12978800	rs6464164	0.010	0.005	0.010 (0.001, 0.020)	0.035	0.209	0.805	20
PEF	EYA4	cg20422212	rs35047285	0.042	0.020	0.042 (0.003, 0.080)	0.035	0.209	0.229	20
PEF	TFDP1	cg25945004	rs2259495	-0.019	0.009	-0.019 (-0.037, -0.001)	0.035	0.209	0.351	20
PEF	FHIT	cg08195983	rs17064657	-0.027	0.013	-0.027 (-0.052, -0.002)	0.035	0.210	0.683	20
PEF	MSX1	cg24840099	rs148259940	0.035	0.017	0.035 (0.002, 0.067)	0.035	0.210	0.031	17
PEF	ATP6V1C2	cg21879157	rs11885275	-0.033	0.016	-0.033 (-0.064, -0.002)	0.035	0.211	0.941	20
PEF	GSDMB	cg27435903	rs2305479	-0.015	0.007	-0.015 (-0.028, -0.001)	0.036	0.213	0.408	20
PEF	USP10	cg07647771	rs16974535	0.005	0.002	0.005 (0.000, 0.010)	0.036	0.213	0.239	20
PEF	IRF1	cg25410123	rs41525648	-0.034	0.016	-0.034 (-0.065, -0.002)	0.036	0.213	0.027	20
PEF	EPHA2	cg03258665	rs7538833	-0.016	0.008	-0.016 (-0.031, -0.001)	0.036	0.216	0.247	20
PEF	FOXK2	cg20710824	rs9788998	0.018	0.009	0.018 (0.001, 0.035)	0.037	0.216	0.013	20
PEF	STAT5A	cg05117208	rs62076928	-0.015	0.007	-0.015 (-0.029, -0.001)	0.037	0.216	0.728	20
PEF	MAP2K5	cg25642180	rs11858758	0.041	0.019	0.041 (0.003, 0.079)	0.037	0.216	0.886	4
PEF	EIF2AK2	cg17326313	rs72790618	-0.029	0.014	-0.029 (-0.055, -0.002)	0.037	0.217	0.408	20
PEF	STAT5A	cg03001305	rs34129849	0.027	0.013	0.027 (0.002, 0.052)	0.037	0.219	0.887	20
PEF	CAV1	cg01971483	rs56014347	0.017	0.008	0.017 (0.001, 0.033)	0.037	0.219	0.693	20
PEF	FOXK2	cg10460657	rs9788998	0.020	0.010	0.020 (0.001, 0.039)	0.037	0.219	0.041	20
PEF	ARSB	cg10864794	rs56307340	-0.010	0.005	-0.010 (-0.020, -0.001)	0.037	0.220	0.172	20
PEF	CYP1B1	cg11751707	rs2567207	-0.033	0.016	-0.033 (-0.064, -0.002)	0.037	0.220	0.061	20
PEF	STAT5B	cg18810026	rs62076928	-0.018	0.009	-0.018 (-0.036, -0.001)	0.037	0.220	0.692	20
PEF	GUSB	cg11987759	rs9530	0.005	0.002	0.005 (0.000, 0.009)	0.038	0.220	0.510	20
PEF	RAB7A	cg26867765	rs9853930	0.021	0.010	0.021 (0.001, 0.041)	0.038	0.221	0.837	20
PEF	HSPA1B	cg19159162	rs6457452	0.041	0.020	0.041 (0.002, 0.079)	0.038	0.222	0.046	5
PEF	STAT5A	cg06357561	rs34129849	0.028	0.014	0.028 (0.002, 0.055)	0.038	0.222	0.963	20
PEF	WNT4	cg10606730	rs143040561	-0.023	0.011	-0.023 (-0.045, -0.001)	0.038	0.222	0.412	18
PEF	STAT5A	cg20388732	rs11079041	-0.021	0.010	-0.021 (-0.040, -0.001)	0.038	0.223	0.522	20
PEF	FGR	cg08885657	rs34806307	0.014	0.007	0.014 (0.001, 0.026)	0.038	0.223	0.671	17
PEF	SLC39A14	cg12081754	rs4872487	-0.004	0.002	-0.004 (-0.009, -0.000)	0.038	0.223	0.139	20
PEF	OPTN	cg06116488	rs61743995	0.040	0.019	0.040 (0.002, 0.078)	0.038	0.223	0.593	3
PEF	MADD	cg23844623	rs4752978	0.016	0.008	0.016 (0.001, 0.032)	0.039	0.224	0.468	20
PEF	MSH6	cg18222961	rs78491566	-0.026	0.013	-0.026 (-0.051, -0.001)	0.039	0.224	0.190	20
PEF	KDM1A	cg22683154	rs4620508	-0.043	0.021	-0.043 (-0.083, -0.002)	0.039	0.225	0.033	14
PEF	WDR8	cg26354191	rs1128474	-0.008	0.004	-0.008 (-0.015, -0.000)	0.039	0.225	0.674	20
PEF	EIF4G1	cg06398251	rs2230570	0.039	0.019	0.039 (0.002, 0.076)	0.039	0.225	0.958	8
PEF	WDR8	cg25616043	rs1128474	-0.011	0.005	-0.011 (-0.022, -0.001)	0.040	0.228	0.710	20
PEF	MYH10	cg22897522	rs79520517	-0.009	0.004	-0.009 (-0.017, -0.000)	0.040	0.229	0.892	20
PEF	CD3E	cg18085869	rs3759000	0.031	0.015	0.031 (0.001, 0.060)	0.040	0.229	0.019	20
PEF	TPCN2	cg23247191	rs657157	0.044	0.021	0.044 (0.002, 0.086)	0.040	0.230	0.259	20

PEF	PERP	cg08197797	rs75604586	0.023	0.011	0.023 (0.001, 0.046)	0.040	0.230	0.076	16
PEF	SLC11A2	cg22789605	rs829022	-0.014	0.007	-0.014 (-0.027, -0.001)	0.040	0.230	0.203	20
PEF	VPS4A	cg26979197	rs12708897	0.017	0.008	0.017 (0.001, 0.033)	0.040	0.231	0.037	20
PEF	MTOR	cg07922924	rs72856979	0.018	0.009	0.018 (0.001, 0.035)	0.040	0.231	0.154	17
PEF	CTSH	cg08500346	rs112318964	-0.025	0.012	-0.025 (-0.049, -0.001)	0.041	0.232	0.571	20
PEF	RPTOR	cg06153925	rs2340770	-0.006	0.003	-0.006 (-0.012, -0.000)	0.041	0.232	0.975	20
PEF	NOS3	cg03469471	rs743506	0.033	0.016	0.033 (0.001, 0.064)	0.041	0.232	0.182	20
PEF	SYNPO2	cg10320997	rs57021447	0.043	0.021	0.043 (0.002, 0.084)	0.041	0.232	0.463	18
PEF	RPTOR	cg05098037	rs2340770	-0.009	0.005	-0.009 (-0.018, -0.000)	0.041	0.233	0.841	20
PEF	AP1S1	cg24080086	rs10281471	-0.037	0.018	-0.037 (-0.073, -0.002)	0.041	0.233	0.614	16
PEF	P2RX4	cg20966272	rs3815990	0.019	0.009	0.019 (0.001, 0.037)	0.041	0.233	0.539	20
PEF	LARP1	cg23944572	rs10039709	0.018	0.009	0.018 (0.001, 0.036)	0.041	0.233	0.866	20
PEF	CAV1	cg04474049	rs2742125	-0.014	0.007	-0.014 (-0.028, -0.001)	0.041	0.234	0.136	20
PEF	ING5	cg13140981	rs72484056	-0.008	0.004	-0.008 (-0.015, -0.000)	0.041	0.234	0.744	20
PEF	WWOX	cg04609912	rs16947728	-0.012	0.006	-0.012 (-0.024, -0.000)	0.041	0.234	0.397	20
PEF	SLC39A11	cg14233847	rs9910192	0.038	0.019	0.038 (0.001, 0.075)	0.042	0.235	0.300	20
PEF	TPCN2	cg22484980	rs67321931	0.035	0.017	0.035 (0.001, 0.069)	0.042	0.235	0.022	20
PEF	IGF2R	cg25484127	rs7746102	-0.025	0.012	-0.025 (-0.049, -0.001)	0.042	0.235	0.473	20
PEF	FXN	cg13974534	rs113196649	0.026	0.013	0.026 (0.001, 0.051)	0.042	0.235	0.158	20
PEF	LIPT1	cg22616506	rs6753650	-0.043	0.021	-0.043 (-0.085, -0.002)	0.042	0.235	0.223	20
PEF	LAPTM4A	cg08323277	rs3731673	0.033	0.016	0.033 (0.001, 0.065)	0.042	0.235	0.653	20
PEF	ITPRIP	cg24199006	rs11192008	-0.029	0.014	-0.029 (-0.057, -0.001)	0.042	0.235	0.987	20
PEF	COL2A1	cg10502244	rs12717995	-0.028	0.014	-0.028 (-0.055, -0.001)	0.042	0.235	0.016	20
PEF	FOXK2	cg15292356	rs11651812	0.008	0.004	0.008 (0.000, 0.015)	0.042	0.235	0.395	20
PEF	PPIF	cg09469691	rs4980061	-0.011	0.006	-0.011 (-0.022, -0.000)	0.042	0.237	0.083	20
PEF	PPP3R1	cg16179607	rs10195757	-0.011	0.006	-0.011 (-0.022, -0.000)	0.043	0.238	0.522	20
PEF	RPTOR	cg06418238	rs4969424	-0.006	0.003	-0.006 (-0.011, -0.000)	0.043	0.239	0.959	20
PEF	SLC39A7	cg14348706	rs12208234	-0.039	0.020	-0.039 (-0.078, -0.001)	0.043	0.239	0.095	11
PEF	FXN	cg14656297	rs113196649	0.028	0.014	0.028 (0.001, 0.056)	0.043	0.239	0.112	20
PEF	NOS3	cg00571021	rs1808593	0.013	0.006	0.013 (0.000, 0.025)	0.043	0.240	0.052	20
PEF	RPTOR	cg14343513	rs4969411	-0.008	0.004	-0.008 (-0.017, -0.000)	0.043	0.241	0.889	20
PEF	PERP	cg06052619	rs75604586	0.030	0.015	0.030 (0.001, 0.060)	0.044	0.242	0.013	14
PEF	RPTOR	cg15230985	rs4969424	-0.010	0.005	-0.010 (-0.020, -0.000)	0.044	0.242	0.833	20
PEF	HSP90AA1	cg23904247	rs1059629	0.031	0.015	0.031 (0.001, 0.061)	0.044	0.244	0.215	20
PEF	CYP1B1	cg02162897	rs10178134	0.016	0.008	0.016 (0.000, 0.032)	0.044	0.244	0.044	20
PEF	ORMDL3	cg19511844	rs12936231	-0.018	0.009	-0.018 (-0.036, -0.000)	0.044	0.245	0.057	20
PEF	USP10	cg02833172	rs7202832	0.019	0.009	0.019 (0.000, 0.037)	0.044	0.245	0.308	20
PEF	ACO1	cg13572911	rs867469	0.019	0.010	0.019 (0.000, 0.038)	0.045	0.246	0.214	20
PEF	TRADD	cg04240553	rs115328599	0.024	0.012	0.024 (0.001, 0.048)	0.045	0.246	0.700	20
PEF	RPTOR	cg03794617	rs4969424	-0.016	0.008	-0.016 (-0.031, -0.000)	0.045	0.248	0.195	20
PEF	STAT5A	cg17478203	rs62076928	-0.035	0.017	-0.035 (-0.069, -0.001)	0.045	0.248	0.950	20
PEF	TRIM65	cg25176883	rs3744027	0.039	0.019	0.039 (0.001, 0.077)	0.046	0.250	0.333	13

PEF	RPTOR	cg08454507	rs8080789	-0.008	0.004	-0.008 (-0.016, -0.000)	0.046	0.250	0.765	20
PEF	EYA4	cg17985029	rs1338009	-0.008	0.004	-0.008 (-0.015, -0.000)	0.046	0.250	0.053	20
PEF	TNFRSF10A	cg26530341	rs13278062	0.007	0.004	0.007 (0.000, 0.015)	0.046	0.250	0.604	20
PEF	RPTOR	cg05064567	rs2289766	-0.008	0.004	-0.008 (-0.015, -0.000)	0.046	0.250	0.410	20
PEF	SOD2	cg13221458	rs9456442	0.006	0.003	0.006 (0.000, 0.012)	0.046	0.250	0.198	20
PEF	DIDO1	cg23096297	rs2295000	-0.008	0.004	-0.008 (-0.016, -0.000)	0.046	0.250	0.016	20
PEF	TNFRSF10A	cg23882019	rs13278062	0.007	0.004	0.007 (0.000, 0.014)	0.046	0.250	0.344	20
PEF	CAV1	cg01265597	rs2742125	-0.027	0.014	-0.027 (-0.054, -0.001)	0.046	0.250	0.350	20
PEF	GFRAL	cg15756928	rs6900273	0.010	0.005	0.010 (0.000, 0.019)	0.046	0.251	0.651	20
PEF	SGSH	cg08956673	rs9894254	0.009	0.004	0.009 (0.000, 0.018)	0.046	0.251	0.773	20
PEF	RPTOR	cg01886663	rs8064817	-0.022	0.011	-0.022 (-0.043, -0.000)	0.047	0.253	0.486	16
PEF	ATP2A1	cg04414917	rs12928404	0.013	0.007	0.013 (0.000, 0.026)	0.047	0.253	0.648	20
PEF	HEXB	cg26333638	rs2218517	0.037	0.019	0.037 (0.000, 0.074)	0.047	0.253	0.099	9
PEF	PERP	cg25821223	rs147371157	-0.028	0.014	-0.028 (-0.056, -0.000)	0.047	0.253	0.012	16
PEF	ACSL1	cg20410192	rs112231838	0.025	0.012	0.025 (0.000, 0.049)	0.047	0.254	0.852	20
PEF	NOS3	cg07841866	rs2256314	0.014	0.007	0.014 (0.000, 0.028)	0.047	0.254	0.131	20
PEF	TNFRSF10A	cg22843797	rs13278062	0.013	0.007	0.013 (0.000, 0.026)	0.047	0.254	0.263	20
PEF	LYN	cg08894788	rs2271400	0.014	0.007	0.014 (0.000, 0.027)	0.047	0.254	0.282	20
PEF	RPTOR	cg08329754	rs8080789	-0.015	0.008	-0.015 (-0.030, -0.000)	0.048	0.254	0.123	20
PEF	CYP1B1	cg07057636	rs4646429	-0.038	0.019	-0.038 (-0.076, -0.000)	0.048	0.254	0.026	19
PEF	TNFRSF10A	cg24278165	rs13278062	0.014	0.007	0.014 (0.000, 0.028)	0.048	0.254	0.781	20
PEF	ARRB2	cg16472369	rs7210953	-0.016	0.008	-0.016 (-0.032, -0.000)	0.048	0.255	0.773	20
PEF	POU4F2	cg00505045	rs6839918	-0.040	0.020	-0.040 (-0.080, -0.000)	0.048	0.255	0.874	19
PEF	ATG2B	cg18920658	rs17094034	0.034	0.017	0.034 (0.000, 0.067)	0.048	0.255	0.817	10
PEF	CTSH	cg17922215	rs112318964	0.041	0.021	0.041 (0.000, 0.081)	0.048	0.255	0.380	10
PEF	LAMP3	cg19825758	rs522838	0.018	0.009	0.018 (0.000, 0.035)	0.048	0.256	0.878	20
PEF	ITGAV	cg15732657	rs6741369	0.018	0.009	0.018 (0.000, 0.035)	0.048	0.256	0.791	20
PEF	RPTOR	cg06872548	rs7217825	-0.007	0.004	-0.007 (-0.014, -0.000)	0.049	0.257	0.805	20
PEF	RPTOR	cg22878693	rs2340773	-0.007	0.004	-0.007 (-0.014, -0.000)	0.049	0.257	0.907	20
PEF	IGF2R	cg05291059	rs7746102	-0.037	0.019	-0.037 (-0.073, -0.000)	0.049	0.258	0.293	20
PEF	RPTOR	cg16015295	rs2340773	-0.009	0.005	-0.009 (-0.018, -0.000)	0.049	0.258	0.087	20
PEF	FEZ1	cg12906303	rs2513090	0.010	0.005	0.010 (0.000, 0.019)	0.049	0.259	0.616	20
PEF	SORL1	cg08441314	rs116601912	-0.029	0.015	-0.029 (-0.058, -0.000)	0.049	0.259	0.681	3
PEF	RPTOR	cg22386583	rs2340773	-0.011	0.006	-0.011 (-0.022, -0.000)	0.049	0.259	0.812	20
PEF	TP73	cg21388339	rs3765732	0.006	0.003	0.006 (0.000, 0.012)	0.049	0.259	0.536	20
PEF	RET	cg02780029	rs2505505	0.005	0.002	0.005 (0.000, 0.009)	0.049	0.259	0.638	20
PEF	LEPR	cg06558372	rs6656451	0.037	0.019	0.037 (0.000, 0.074)	0.049	0.259	0.139	20
PEF	PERP	cg24555822	rs9494937	-0.020	0.010	-0.020 (-0.039, -0.000)	0.050	0.259	0.182	20
PEF	OPTN	cg16907766	rs660592	0.013	0.007	0.013 (0.000, 0.027)	0.050	0.260	0.256	15

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SMR, Summary data-level Mendelian randomization; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim

Table S31. Sensitivity analysis of associations between PCD-related gene methylation and lung function parameters*

Outcome	Gene	probeID	nSNP	Method	Beta	SE	Beta (95%CI)	P	Egger_intercept	P_Egger_intercept
FVC	MCL1	cg13175981	16	Inverse variance weighted	-0.034	0.003	-0.034 (-0.040, -0.029)	8.85E-33	0.002	0.475
FVC	PPT2	cg03434432	16	Inverse variance weighted	-0.026	0.004	-0.026 (-0.035, -0.017)	2.74E-09	0.004	0.246
FVC	PPT2	cg00086577	17	Inverse variance weighted	-0.038	0.006	-0.038 (-0.049, -0.026)	2.68E-10	0.000	0.936
FVC	PPT2	cg04856022	13	Inverse variance weighted	-0.048	0.006	-0.048 (-0.061, -0.036)	5.04E-14	-0.002	0.629
FVC	PPT2	cg04536704	12	Inverse variance weighted	-0.047	0.007	-0.047 (-0.060, -0.034)	6.53E-13	-0.001	0.871
FVC	PPT2	cg06832687	10	Inverse variance weighted	-0.064	0.009	-0.064 (-0.081, -0.047)	1.78E-13	-0.003	0.546
FVC	PPT2	cg03995156	9	Inverse variance weighted	-0.056	0.009	-0.056 (-0.073, -0.039)	1.45E-10	-0.001	0.794
FVC	MCL1	cg18016565	3	Inverse variance weighted	0.068	0.006	0.068 (0.056, 0.080)	3.01E-27	0.000	0.997
FVC	PRRT1;PPT2	cg00403498	8	Inverse variance weighted	-0.047	0.016	-0.047 (-0.078, -0.016)	0.003	0.007	0.382
FVC	TRIM27	cg23756442	3	Inverse variance weighted	0.059	0.022	0.059 (0.016, 0.101)	0.007	-0.006	0.838
FVC	PPT2	cg21241317	2	Inverse variance weighted	-0.088	0.008	-0.088 (-0.104, -0.071)	2.08E-25	NA	NA
FVC	STX4	cg07404961	4	Inverse variance weighted	-0.053	0.005	-0.053 (-0.063, -0.042)	3.54E-23	0.003	0.544
FVC	PPT2	cg04877280	2	Inverse variance weighted	-0.079	0.026	-0.079 (-0.130, -0.027)	0.003	NA	NA
FVC	MCL1	cg02961109	3	Inverse variance weighted	0.085	0.021	0.085 (0.043, 0.127)	7.81E-05	-0.037	0.167
FVC	PPT2;PRRT1	cg23359665	1	Wald ratio	0.112	0.012	0.112 (0.088, 0.136)	2.41E-20	NA	NA
FVC	EYA2	cg26046136	1	Wald ratio	-0.095	0.011	-0.095 (-0.117, -0.073)	1.90E-17	NA	NA
FVC	STX4	cg06233904	1	Wald ratio	0.073	0.009	0.073 (0.054, 0.091)	9.19E-15	NA	NA
FVC	PPT2;PRRT1	cg06108383	1	Wald ratio	0.115	0.012	0.115 (0.091, 0.140)	2.41E-20	NA	NA
FVC	PPT2;PRRT1	cg02956248	1	Wald ratio	0.117	0.013	0.117 (0.092, 0.142)	2.41E-20	NA	NA
FVC	WNT4	cg25011003	2	Inverse variance weighted	0.057	0.007	0.057 (0.044, 0.070)	1.47E-17	NA	NA
FVC	CSF2	cg16565692	1	Wald ratio	-0.076	0.010	-0.076 (-0.096, -0.056)	4.64E-14	NA	NA
FVC	PPT2;PRRT1	cg17113856	1	Wald ratio	0.099	0.012	0.099 (0.076, 0.122)	3.63E-17	NA	NA
FVC	WNT4	cg15582954	2	Inverse variance weighted	0.068	0.008	0.068 (0.053, 0.084)	1.20E-17	NA	NA
FVC	IREB2	cg13714459	1	Wald ratio	-0.053	0.008	-0.053 (-0.069, -0.037)	1.19E-10	NA	NA
FVC	CSF2	cg16465129	2	Inverse variance weighted	-0.067	0.019	-0.067 (-0.104, -0.030)	4.24E-04	NA	NA
FVC	PPT2	cg27070869	1	Wald ratio	-0.138	0.015	-0.138 (-0.168, -0.109)	2.41E-20	NA	NA
FVC	IREB2	cg19941054	1	Wald ratio	-0.057	0.009	-0.057 (-0.074, -0.039)	1.55E-10	NA	NA
FVC	STX4	cg08893833	1	Wald ratio	0.096	0.012	0.096 (0.072, 0.120)	9.19E-15	NA	NA
FVC	CTSS	cg15900387	1	Wald ratio	0.127	0.015	0.127 (0.099, 0.156)	2.13E-18	NA	NA
FVC	BCL2L1	cg13852791	19	Inverse variance weighted	-0.016	0.002	-0.016 (-0.020, -0.013)	1.71E-17	0.000	0.892
FVC	PPT2	cg17384105	1	Wald ratio	-0.060	0.010	-0.060 (-0.079, -0.042)	3.09E-10	NA	NA
FVC	TRIM27	cg27120125	2	Inverse variance weighted	0.119	0.048	0.119 (0.024, 0.214)	0.014	NA	NA
FVC	MUC1	cg15699386	11	Inverse variance weighted	0.018	0.005	0.018 (0.008, 0.027)	2.48E-04	-0.004	0.319
FVC	TNF	cg10717214	1	Wald ratio	-0.153	0.017	-0.153 (-0.185, -0.121)	2.41E-20	NA	NA
FVC	PPT2;PRRT1	cg13934406	1	Wald ratio	0.135	0.016	0.135 (0.103, 0.166)	6.08E-17	NA	NA
FVC	HIP1R	cg19340625	3	Inverse variance weighted	-0.030	0.006	-0.030 (-0.042, -0.017)	2.57E-06	-0.001	0.956
FVC	PARK7	cg00042356	7	Inverse variance weighted	-0.025	0.004	-0.025 (-0.033, -0.018)	2.74E-11	-0.001	0.723
FVC	BMF	cg09749364	1	Wald ratio	-0.105	0.015	-0.105 (-0.134, -0.076)	8.44E-13	NA	NA
FVC	PPT2;PRRT1	cg06025456	1	Wald ratio	0.131	0.017	0.131 (0.099, 0.164)	3.31E-15	NA	NA
FVC	FEZ1	cg12906303	8	Inverse variance weighted	0.024	0.004	0.024 (0.016, 0.031)	1.95E-09	0.001	0.808

FVC	PPT2;PRRT1	cg10551329	1	Wald ratio	0.167	0.018	0.167 (0.132, 0.203)	2.41E-20	NA	NA
FVC	FGF10	cg16536718	1	Wald ratio	0.085	0.013	0.085 (0.059, 0.111)	2.23E-10	NA	NA
FVC	GPX1	cg07274523	6	Inverse variance weighted	0.031	0.007	0.031 (0.017, 0.046)	1.42E-05	0.009	0.097
FVC	TRAP1	cg04439028	1	Wald ratio	0.101	0.015	0.101 (0.072, 0.130)	7.92E-12	NA	NA
FVC	GPX1	cg02758552	3	Inverse variance weighted	0.040	0.009	0.040 (0.022, 0.057)	6.94E-06	0.002	0.933
FVC	ATP2A1	cg04414917	4	Inverse variance weighted	0.028	0.005	0.028 (0.018, 0.038)	1.69E-08	-0.002	0.665
FVC	MUL1	cg26370078	14	Inverse variance weighted	-0.015	0.004	-0.015 (-0.022, -0.007)	8.42E-05	-0.002	0.315
FVC	ATP13A2	cg06953703	1	Wald ratio	-0.111	0.016	-0.111 (-0.142, -0.080)	1.92E-12	NA	NA
FVC	FER	cg16174681	2	Inverse variance weighted	0.041	0.007	0.041 (0.027, 0.055)	2.05E-08	NA	NA
FVC	SNORD71;AP1G1	cg03540912	7	Inverse variance weighted	0.027	0.004	0.027 (0.020, 0.034)	8.33E-14	0.005	0.115
FVC	ATP2A1	cg05966235	7	Inverse variance weighted	-0.011	0.004	-0.011 (-0.020, -0.002)	0.012	0.006	0.094
FVC	FEZ1	cg18436735	4	Inverse variance weighted	0.029	0.005	0.029 (0.020, 0.039)	8.72E-10	-0.002	0.684
FVC	NUPR1	cg05590982	1	Wald ratio	-0.073	0.013	-0.073 (-0.098, -0.048)	1.14E-08	NA	NA
FVC	CUL3	cg06867755	10	Inverse variance weighted	-0.022	0.003	-0.022 (-0.028, -0.015)	1.34E-10	-0.003	0.283
FVC	PARK7	cg10385390	3	Inverse variance weighted	0.030	0.010	0.030 (0.011, 0.049)	0.002	-0.008	0.433
FVC	FEZ1	cg01460481	7	Inverse variance weighted	0.021	0.003	0.021 (0.015, 0.027)	7.01E-11	-0.001	0.473
FVC	HSP90AA1	cg02017208	7	Inverse variance weighted	-0.022	0.004	-0.022 (-0.029, -0.014)	4.17E-09	0.003	0.604
FVC	TMBIM6	cg20471783	7	Inverse variance weighted	0.020	0.003	0.020 (0.014, 0.026)	7.62E-10	0.003	0.399
FVC	PPT2;PRRT1	cg12883279	1	Wald ratio	0.114	0.016	0.114 (0.082, 0.146)	3.44E-12	NA	NA
FVC	TNF	cg11484872	1	Wald ratio	-0.134	0.017	-0.134 (-0.168, -0.100)	9.19E-15	NA	NA
FVC	UNC5B	cg19673155	1	Wald ratio	0.058	0.011	0.058 (0.037, 0.080)	1.61E-07	NA	NA
FVC	ATP13A2	cg16027378	1	Wald ratio	-0.110	0.017	-0.110 (-0.143, -0.077)	6.08E-11	NA	NA
FVC	JMY	cg24856658	1	Wald ratio	-0.043	0.009	-0.043 (-0.061, -0.026)	1.34E-06	NA	NA
FVC	FER	cg11403831	1	Wald ratio	-0.060	0.012	-0.060 (-0.083, -0.037)	2.10E-07	NA	NA
FVC	FAIM	cg17462391	2	Inverse variance weighted	0.041	0.008	0.041 (0.025, 0.056)	2.15E-07	NA	NA
FVC	UNC5B	cg11224737	1	Wald ratio	-0.051	0.010	-0.051 (-0.071, -0.031)	8.52E-07	NA	NA
FVC	TMEM102	cg18064787	4	Inverse variance weighted	0.030	0.006	0.030 (0.019, 0.041)	2.69E-07	-0.001	0.892
FVC	SLC30A2	cg01689405	1	Wald ratio	-0.050	0.010	-0.050 (-0.070, -0.030)	1.19E-06	NA	NA
FVC	NEU1;SLC44A4	cg21116447	1	Wald ratio	-0.064	0.013	-0.064 (-0.089, -0.040)	4.09E-07	NA	NA
FVC	WNT4	cg00356045	1	Wald ratio	0.078	0.014	0.078 (0.050, 0.106)	5.98E-08	NA	NA
FVC	FEZ2	cg06634576	22	Inverse variance weighted	0.010	0.002	0.010 (0.006, 0.015)	3.87E-06	0.001	0.528
FVC	MEFV	cg03919650	1	Wald ratio	0.039	0.009	0.039 (0.022, 0.056)	5.22E-06	NA	NA
FVC	MAP1LC3A	cg01901788	9	Inverse variance weighted	0.026	0.007	0.026 (0.012, 0.040)	2.61E-04	0.003	0.614
FVC	TP53INP2	cg00876694	2	Inverse variance weighted	0.068	0.010	0.068 (0.047, 0.088)	5.51E-11	NA	NA
FVC	DDIT4	cg01839993	1	Wald ratio	0.056	0.012	0.056 (0.034, 0.079)	1.09E-06	NA	NA
FVC	NUPR1	cg15149645	1	Wald ratio	0.032	0.007	0.032 (0.018, 0.047)	1.00E-05	NA	NA
FVC	HINT1	cg08523029	11	Inverse variance weighted	-0.016	0.006	-0.016 (-0.028, -0.004)	0.010	-0.005	0.280
FVC	CRADD	cg23535137	1	Wald ratio	0.061	0.013	0.061 (0.036, 0.086)	2.03E-06	NA	NA
FVC	SFN	cg13235717	1	Wald ratio	-0.047	0.010	-0.047 (-0.067, -0.027)	5.86E-06	NA	NA
FVC	THBS1	cg25503381	3	Inverse variance weighted	0.038	0.013	0.038 (0.011, 0.064)	0.005	-0.012	0.286
FVC	MEFV	cg05554494	1	Wald ratio	0.031	0.007	0.031 (0.017, 0.045)	1.74E-05	NA	NA
FVC	HSP90AA1	cg11789371	1	Wald ratio	0.052	0.011	0.052 (0.030, 0.074)	4.10E-06	NA	NA

FVC	TP53INP2	cg04270048	4	Inverse variance weighted	0.027	0.013	0.027 (0.002, 0.053)	0.035	-0.003	0.805
FVC	RRAGA	cg25822709	9	Inverse variance weighted	0.016	0.004	0.016 (0.009, 0.023)	3.60E-06	-0.002	0.612
FVC	BMF	cg26662201	1	Wald ratio	0.085	0.016	0.085 (0.054, 0.117)	1.21E-07	NA	NA
FVC	USP36	cg23834688	7	Inverse variance weighted	-0.018	0.004	-0.018 (-0.025, -0.011)	1.29E-06	0.000	0.919
FVC	CD164	cg08222271	1	Wald ratio	0.040	0.009	0.040 (0.022, 0.059)	1.30E-05	NA	NA
FVC	ATP2A1	cg27473355	1	Wald ratio	-0.059	0.013	-0.059 (-0.085, -0.033)	7.46E-06	NA	NA
FVC	USP36	cg15465367	3	Inverse variance weighted	-0.019	0.006	-0.019 (-0.030, -0.007)	0.002	0.004	0.614
FVC	AP3D1	cg19290738	12	Inverse variance weighted	-0.008	0.002	-0.008 (-0.013, -0.003)	0.002	-0.002	0.574
FVC	USP36	cg17278466	2	Inverse variance weighted	-0.026	0.006	-0.026 (-0.039, -0.014)	3.01E-05	NA	NA
FVC	TPCN2	cg18503234	1	Wald ratio	0.055	0.012	0.055 (0.031, 0.079)	4.72E-06	NA	NA
FVC	CD14	cg09824255	2	Inverse variance weighted	0.059	0.013	0.059 (0.034, 0.084)	4.51E-06	NA	NA
FVC	JMY	cg09228878	1	Wald ratio	0.085	0.017	0.085 (0.052, 0.117)	3.06E-07	NA	NA
FVC	NEU1	cg13634177	1	Wald ratio	0.095	0.018	0.095 (0.059, 0.130)	1.52E-07	NA	NA
FVC	TNF	cg12681001	1	Wald ratio	-0.086	0.017	-0.086 (-0.120, -0.053)	4.09E-07	NA	NA
FVC	USP36	cg10256330	5	Inverse variance weighted	0.019	0.007	0.019 (0.005, 0.033)	0.007	-0.004	0.693
FVC	RRAGA	cg14727880	1	Wald ratio	0.040	0.010	0.040 (0.021, 0.059)	3.71E-05	NA	NA
FVC	HRAS	cg12989344	4	Inverse variance weighted	-0.021	0.005	-0.021 (-0.032, -0.011)	8.93E-05	0.005	0.333
FVC	HYAL2	cg12150256	1	Wald ratio	0.047	0.011	0.047 (0.025, 0.069)	2.27E-05	NA	NA
FVC	KDR	cg18177533	1	Wald ratio	0.100	0.019	0.100 (0.063, 0.137)	1.21E-07	NA	NA
FVC	PRKCA	cg12467435	3	Inverse variance weighted	-0.033	0.013	-0.033 (-0.059, -0.007)	0.014	0.004	0.834
FVC	OTUB1	cg12836303	5	Inverse variance weighted	-0.015	0.004	-0.015 (-0.022, -0.008)	2.63E-05	0.002	0.491
FVC	HYAL2	cg12976582	2	Inverse variance weighted	0.034	0.013	0.034 (0.009, 0.059)	0.007	NA	NA
FVC	USP36	cg20126656	5	Inverse variance weighted	0.018	0.005	0.018 (0.009, 0.027)	9.56E-05	-0.003	0.616
FVC	BMF	cg07887985	1	Wald ratio	0.075	0.016	0.075 (0.044, 0.107)	2.50E-06	NA	NA
FVC	GFAP	cg07918341	1	Wald ratio	-0.068	0.015	-0.068 (-0.096, -0.039)	4.74E-06	NA	NA
FVC	HYAL2	cg13341668	2	Inverse variance weighted	0.040	0.019	0.040 (0.004, 0.077)	0.029	NA	NA
FVC	PTPMT1	cg05377527	7	Inverse variance weighted	-0.014	0.007	-0.014 (-0.028, -0.001)	0.032	0.010	0.073
FVC	GFAP	cg18208742	1	Wald ratio	-0.070	0.015	-0.070 (-0.099, -0.040)	4.35E-06	NA	NA
FVC	EYA4	cg17985029	13	Inverse variance weighted	-0.014	0.003	-0.014 (-0.020, -0.008)	9.37E-06	0.001	0.721
FVC	KDR	cg25444386	1	Wald ratio	-0.086	0.018	-0.086 (-0.121, -0.051)	1.31E-06	NA	NA
FVC	FGFR1	cg16625770	7	Inverse variance weighted	-0.015	0.004	-0.015 (-0.023, -0.008)	9.63E-05	0.001	0.782
FVC	NFATC4	cg06993714	6	Inverse variance weighted	-0.018	0.006	-0.018 (-0.030, -0.006)	0.003	0.002	0.833
FVC	AP3D1	cg17656426	6	Inverse variance weighted	-0.016	0.006	-0.016 (-0.027, -0.004)	0.008	-0.001	0.910
FVC	MUC1	cg22500132	1	Wald ratio	-0.051	0.012	-0.051 (-0.075, -0.027)	3.71E-05	NA	NA
FVC	CTSF	cg23230554	4	Inverse variance weighted	-0.037	0.006	-0.037 (-0.049, -0.026)	2.69E-10	-0.001	0.829
FVC	HIPK2	cg14405813	6	Inverse variance weighted	-0.015	0.004	-0.015 (-0.022, -0.007)	2.78E-04	0.001	0.790
FVC	TGFB2	cg20991819	1	Wald ratio	-0.076	0.017	-0.076 (-0.109, -0.043)	5.67E-06	NA	NA
FVC	PPT2;PRRT1	cg06814287	6	Inverse variance weighted	0.069	0.018	0.069 (0.035, 0.103)	7.98E-05	0.001	0.920
FVC	CD14	cg08830139	1	Wald ratio	0.070	0.016	0.070 (0.039, 0.102)	1.32E-05	NA	NA
FVC	NFATC4	cg26158983	1	Wald ratio	0.032	0.009	0.032 (0.015, 0.049)	1.86E-04	NA	NA
FVC	FGFR1	cg15321288	7	Inverse variance weighted	-0.016	0.004	-0.016 (-0.024, -0.009)	2.14E-05	-0.003	0.321
FVC	HINT1	cg07158495	2	Inverse variance weighted	-0.063	0.012	-0.063 (-0.086, -0.040)	1.09E-07	NA	NA

FVC	FOXK2	cg24220178	3	Inverse variance weighted	-0.016	0.004	-0.016 (-0.025, -0.008)	1.40E-04	-0.001	0.921
FVC	WWOX	cg01365766	1	Wald ratio	-0.070	0.016	-0.070 (-0.102, -0.038)	1.78E-05	NA	NA
FVC	DDIT4	cg20897136	1	Wald ratio	0.074	0.017	0.074 (0.041, 0.108)	1.08E-05	NA	NA
FVC	CREB3L4;SLC39A1	cg09895920	1	Wald ratio	0.042	0.011	0.042 (0.021, 0.063)	1.26E-04	NA	NA
FVC	ING5	cg20516529	5	Inverse variance weighted	0.023	0.008	0.023 (0.007, 0.040)	0.006	0.005	0.415
FVC	GGA1	cg04984879	1	Wald ratio	0.046	0.012	0.046 (0.023, 0.069)	1.07E-04	NA	NA
FVC	USP47	cg24383467	10	Inverse variance weighted	0.009	0.003	0.009 (0.002, 0.016)	0.011	-0.004	0.145
FVC	FEZ2	cg24860371	1	Wald ratio	-0.050	0.013	-0.050 (-0.074, -0.025)	7.55E-05	NA	NA
FVC	NFATC4	cg14058476	2	Inverse variance weighted	-0.037	0.009	-0.037 (-0.055, -0.020)	2.26E-05	NA	NA
FVC	KIF1B	cg23716690	4	Inverse variance weighted	0.020	0.004	0.020 (0.012, 0.029)	3.74E-06	0.000	0.945
FVC	GDNF	cg24813562	2	Inverse variance weighted	-0.030	0.008	-0.030 (-0.046, -0.015)	1.56E-04	NA	NA
FVC	DIDO1	cg21976603	1	Wald ratio	-0.029	0.008	-0.029 (-0.045, -0.013)	2.70E-04	NA	NA
FVC	DDIT4	cg10592592	1	Wald ratio	0.078	0.018	0.078 (0.043, 0.113)	1.08E-05	NA	NA
FVC	ING5	cg13262212	2	Inverse variance weighted	0.019	0.009	0.019 (0.001, 0.036)	0.035	NA	NA
FVC	BCL2	cg21793948	1	Wald ratio	0.056	0.014	0.056 (0.028, 0.084)	7.55E-05	NA	NA
FVC	STAT3	cg25857307	1	Wald ratio	0.077	0.017	0.077 (0.043, 0.112)	9.34E-06	NA	NA
FVC	PRKCA	cg04955246	1	Wald ratio	-0.073	0.017	-0.073 (-0.106, -0.039)	2.14E-05	NA	NA
FVC	EYA4	cg13912545	1	Wald ratio	-0.039	0.011	-0.039 (-0.060, -0.019)	1.77E-04	NA	NA
FVC	EYA4	cg21296676	1	Wald ratio	-0.040	0.011	-0.040 (-0.061, -0.019)	1.77E-04	NA	NA
FVC	TBXAS1;HIPK2	cg00445997	1	Wald ratio	-0.041	0.011	-0.041 (-0.063, -0.020)	1.89E-04	NA	NA
FVC	PPT2;PRRT1	cg20328456	4	Inverse variance weighted	0.057	0.028	0.057 (0.003, 0.111)	0.038	-0.025	0.634
FVC	DIDO1	cg04226366	4	Inverse variance weighted	0.016	0.004	0.016 (0.008, 0.025)	1.80E-04	-0.001	0.731
FVC	FEM1B	cg09796457	2	Inverse variance weighted	-0.038	0.014	-0.038 (-0.066, -0.009)	0.009	NA	NA
FVC	PRKCA	cg17069533	1	Wald ratio	-0.074	0.017	-0.074 (-0.108, -0.040)	2.14E-05	NA	NA
FVC	FOXK2	cg21093005	3	Inverse variance weighted	-0.024	0.006	-0.024 (-0.036, -0.012)	7.30E-05	0.003	0.727
FVC	USP36	cg07385573	3	Inverse variance weighted	0.024	0.007	0.024 (0.011, 0.037)	2.24E-04	-0.004	0.565
FVC	MUC1	cg22531371	1	Wald ratio	-0.062	0.015	-0.062 (-0.092, -0.032)	6.33E-05	NA	NA
FVC	ATP2A1	cg08213689	1	Wald ratio	-0.071	0.017	-0.071 (-0.104, -0.038)	3.09E-05	NA	NA
FVC	USP36	cg19024575	1	Wald ratio	0.066	0.016	0.066 (0.034, 0.099)	5.31E-05	NA	NA
FVC	PAFAH1B2	cg10398005	1	Wald ratio	-0.053	0.014	-0.053 (-0.080, -0.026)	1.26E-04	NA	NA
FVC	RPS7	cg20302414	6	Inverse variance weighted	-0.021	0.005	-0.021 (-0.031, -0.011)	6.49E-05	-0.002	0.791
FVC	CAPN1	cg25363789	17	Inverse variance weighted	-0.009	0.003	-0.009 (-0.015, -0.002)	0.008	-0.002	0.549
FVC	PPT2;PRRT1	cg00110832	1	Wald ratio	0.059	0.015	0.059 (0.029, 0.089)	9.91E-05	NA	NA
FVC	PRKCA;MIR634	cg20152382	1	Wald ratio	-0.050	0.013	-0.050 (-0.076, -0.024)	1.77E-04	NA	NA
FVC	BAX	cg27565645	4	Inverse variance weighted	-0.013	0.003	-0.013 (-0.019, -0.006)	1.03E-04	0.002	0.642
FVC	NKX3-1	cg06696292	1	Wald ratio	-0.029	0.008	-0.029 (-0.044, -0.013)	4.42E-04	NA	NA
FVC	TBXAS1;HIPK2	cg26407309	1	Wald ratio	-0.039	0.011	-0.039 (-0.061, -0.018)	3.18E-04	NA	NA
FVC	TGFB2	cg07810039	1	Wald ratio	-0.052	0.013	-0.052 (-0.076, -0.027)	4.19E-05	NA	NA
FVC	CTSA;NEURL2	cg08260891	1	Wald ratio	0.041	0.011	0.041 (0.019, 0.064)	2.89E-04	NA	NA
FVC	BAX	cg26673286	1	Wald ratio	0.041	0.011	0.041 (0.020, 0.062)	1.29E-04	NA	NA
FVC	KIF1B	cg11712187	3	Inverse variance weighted	0.027	0.006	0.027 (0.014, 0.039)	3.64E-05	0.000	0.995
FVC	AP3D1	cg21414902	1	Wald ratio	0.053	0.014	0.053 (0.025, 0.081)	2.09E-04	NA	NA

FVC	IL6	cg01770232	4	Inverse variance weighted	0.018	0.005	0.018 (0.009, 0.027)	9.98E-05	0.003	0.214
FVC	IL6	cg05472934	18	Inverse variance weighted	0.011	0.003	0.011 (0.005, 0.018)	5.40E-04	0.001	0.516
FVC	IL6	cg02335517	1	Wald ratio	0.050	0.013	0.050 (0.024, 0.076)	1.90E-04	NA	NA
FVC	BCL2	cg16445842	1	Wald ratio	-0.056	0.015	-0.056 (-0.085, -0.027)	1.77E-04	NA	NA
FVC	FGFR1	cg24828864	2	Inverse variance weighted	-0.033	0.013	-0.033 (-0.058, -0.008)	0.010	NA	NA
FVC	SLC39A4	cg03453890	1	Wald ratio	0.021	0.006	0.021 (0.009, 0.033)	7.69E-04	NA	NA
FVC	CTSA;NEURL2	cg19067730	1	Wald ratio	0.046	0.013	0.046 (0.021, 0.071)	2.89E-04	NA	NA
FVC	CSF2	cg26369418	1	Wald ratio	-0.063	0.016	-0.063 (-0.095, -0.031)	1.07E-04	NA	NA
FVC	FOXK2	cg26986438	1	Wald ratio	-0.039	0.010	-0.039 (-0.059, -0.018)	2.04E-04	NA	NA
FVC	ITGAM	cg15337006	1	Wald ratio	0.061	0.016	0.061 (0.030, 0.092)	1.04E-04	NA	NA
FVC	EYA4	cg21390624	1	Wald ratio	-0.053	0.014	-0.053 (-0.080, -0.025)	1.77E-04	NA	NA
FVC	CAPZB	cg13100118	1	Wald ratio	-0.053	0.014	-0.053 (-0.081, -0.025)	2.09E-04	NA	NA
FVC	NCK2	cg21101995	1	Wald ratio	0.058	0.015	0.058 (0.028, 0.088)	1.50E-04	NA	NA
FVC	STK24	cg24247370	2	Inverse variance weighted	0.027	0.011	0.027 (0.005, 0.049)	0.016	NA	NA
FVC	CYP1B1	cg11656478	3	Inverse variance weighted	0.023	0.011	0.023 (0.001, 0.046)	0.043	0.005	0.672
FVC	SLC39A4	cg08969922	1	Wald ratio	0.065	0.017	0.065 (0.032, 0.098)	1.26E-04	NA	NA
FVC	CUL2	cg08905399	3	Inverse variance weighted	0.017	0.006	0.017 (0.006, 0.028)	0.002	-0.005	0.397
FVC	GSTP1	cg11566244	13	Inverse variance weighted	0.015	0.006	0.015 (0.004, 0.026)	0.007	0.005	0.333
FVC	PDCD6	cg20990478	1	Wald ratio	-0.039	0.011	-0.039 (-0.060, -0.017)	5.72E-04	NA	NA
FVC	USP36	cg00945209	5	Inverse variance weighted	0.021	0.005	0.021 (0.011, 0.032)	8.89E-05	-0.002	0.700
FVC	CREB3L4;SLC39A1	cg07556888	1	Wald ratio	-0.046	0.013	-0.046 (-0.072, -0.021)	3.98E-04	NA	NA
FVC	IL6	cg26061582	10	Inverse variance weighted	0.013	0.003	0.013 (0.008, 0.019)	3.04E-07	-0.001	0.769
FVC	GSTP1	cg05244766	5	Inverse variance weighted	-0.030	0.014	-0.030 (-0.058, -0.002)	0.038	-0.022	0.132
FVC	SLC39A4	cg18246227	1	Wald ratio	-0.029	0.009	-0.029 (-0.046, -0.012)	7.69E-04	NA	NA
FVC	CHMP4B	cg26347170	4	Inverse variance weighted	0.037	0.016	0.037 (0.006, 0.069)	0.020	-0.011	0.493
FVC	PYCARD	cg00327577	1	Wald ratio	0.067	0.017	0.067 (0.033, 0.100)	8.85E-05	NA	NA
FVC	IL6	cg07998387	2	Inverse variance weighted	0.036	0.009	0.036 (0.019, 0.052)	2.82E-05	NA	NA
FVC	FGFR1	cg12614213	1	Wald ratio	0.057	0.015	0.057 (0.027, 0.086)	1.77E-04	NA	NA
FVC	HIPK2	cg03224163	1	Wald ratio	-0.061	0.016	-0.061 (-0.093, -0.029)	1.89E-04	NA	NA
FVC	ITGAM	cg09326409	1	Wald ratio	-0.053	0.015	-0.053 (-0.081, -0.024)	3.18E-04	NA	NA
FVC	SNCA	cg08767460	22	Inverse variance weighted	0.008	0.002	0.008 (0.004, 0.011)	4.74E-06	0.000	0.997
FVC	AP1M2	cg26292442	1	Wald ratio	0.068	0.018	0.068 (0.033, 0.102)	1.26E-04	NA	NA
FVC	ERBB3	cg10869879	2	Inverse variance weighted	0.029	0.007	0.029 (0.015, 0.044)	6.98E-05	NA	NA
FVC	STAT1	cg18766080	1	Wald ratio	0.069	0.018	0.069 (0.034, 0.104)	1.26E-04	NA	NA
FVC	CAPZB	cg03542686	2	Inverse variance weighted	-0.038	0.011	-0.038 (-0.059, -0.017)	3.15E-04	NA	NA
FVC	NCK2	cg13660477	1	Wald ratio	-0.064	0.017	-0.064 (-0.097, -0.030)	2.09E-04	NA	NA
FVC	MIA	cg24083702	4	Inverse variance weighted	-0.017	0.005	-0.017 (-0.026, -0.007)	3.36E-04	-0.001	0.679
FVC	GSTP1	cg06928838	1	Wald ratio	0.026	0.008	0.026 (0.010, 0.041)	0.001	NA	NA
FVC	MMP9	cg23303369	18	Inverse variance weighted	0.012	0.003	0.012 (0.006, 0.017)	1.99E-05	0.002	0.488
FVC	USP36	cg24759654	1	Wald ratio	0.039	0.011	0.039 (0.016, 0.061)	7.38E-04	NA	NA
FVC	WWOX	cg01623475	1	Wald ratio	-0.024	0.007	-0.024 (-0.038, -0.009)	0.001	NA	NA
FVC	MMP9	cg20674635	14	Inverse variance weighted	0.011	0.003	0.011 (0.005, 0.017)	5.86E-04	-0.003	0.320

FVC	HRAS	cg16229772	1	Wald ratio	0.057	0.016	0.057 (0.026, 0.087)	3.05E-04	NA	NA
FVC	MMP9	cg23353432	1	Wald ratio	0.031	0.009	0.031 (0.013, 0.049)	9.96E-04	NA	NA
FVC	CLEC16A	cg10390979	1	Wald ratio	-0.031	0.009	-0.031 (-0.049, -0.012)	0.001	NA	NA
FVC	FAIM	cg06309968	1	Wald ratio	0.051	0.014	0.051 (0.022, 0.079)	4.65E-04	NA	NA
FVC	HIPK2	cg11032313	1	Wald ratio	-0.025	0.008	-0.025 (-0.041, -0.010)	0.002	NA	NA
FVC	DCC	cg25602457	1	Wald ratio	-0.023	0.007	-0.023 (-0.037, -0.009)	0.001	NA	NA
FVC	MMP9	cg26132320	4	Inverse variance weighted	0.018	0.005	0.018 (0.008, 0.027)	4.43E-04	0.006	0.257
FVC	GSTP1	cg25135322	18	Inverse variance weighted	-0.027	0.008	-0.027 (-0.042, -0.012)	3.56E-04	-0.007	0.280
FVC	LYN	cg24856456	1	Wald ratio	0.059	0.016	0.059 (0.028, 0.090)	2.12E-04	NA	NA
FVC	ATP6V0A1	cg20082357	1	Wald ratio	-0.067	0.018	-0.067 (-0.102, -0.032)	1.91E-04	NA	NA
FVC	FEZ2	cg04352803	1	Wald ratio	-0.043	0.013	-0.043 (-0.068, -0.018)	7.38E-04	NA	NA
FVC	MMP9	cg04145601	4	Inverse variance weighted	0.022	0.005	0.022 (0.012, 0.033)	3.07E-05	0.007	0.181
FVC	GSTP1	cg25866895	17	Inverse variance weighted	-0.014	0.004	-0.014 (-0.023, -0.006)	7.87E-04	-0.002	0.694
FVC	IL6	cg13104385	27	Inverse variance weighted	0.009	0.002	0.009 (0.006, 0.013)	4.51E-07	0.003	0.054
FVC	IL6	cg05265849	20	Inverse variance weighted	0.009	0.002	0.009 (0.006, 0.013)	1.52E-07	0.001	0.321
FVC	CARS	cg01104590	8	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.015)	0.004	-0.002	0.251
FVC	GSTP1	cg23725454	17	Inverse variance weighted	-0.014	0.005	-0.014 (-0.023, -0.005)	0.003	-0.006	0.154
FVC	CARS	cg17004353	8	Inverse variance weighted	0.010	0.003	0.010 (0.004, 0.016)	0.001	-0.002	0.399
FVC	HYAL1	cg04380576	1	Wald ratio	-0.047	0.013	-0.047 (-0.072, -0.021)	3.52E-04	NA	NA
FVC	CARS	cg25072766	8	Inverse variance weighted	0.011	0.003	0.011 (0.004, 0.017)	0.001	-0.002	0.337
FVC	NCK2	cg01577187	1	Wald ratio	0.064	0.018	0.064 (0.029, 0.099)	2.89E-04	NA	NA
FVC	USP36	cg01449677	1	Wald ratio	0.043	0.013	0.043 (0.018, 0.069)	8.58E-04	NA	NA
FVC	SLC39A4	cg05574324	2	Inverse variance weighted	0.052	0.011	0.052 (0.030, 0.073)	3.20E-06	NA	NA
FVC	SMPD1	cg18477969	2	Inverse variance weighted	-0.011	0.004	-0.011 (-0.018, -0.004)	0.003	NA	NA
FVC	PIAS4	cg24479928	1	Wald ratio	-0.039	0.012	-0.039 (-0.063, -0.016)	0.001	NA	NA
FVC	MMP9	cg04656101	4	Inverse variance weighted	0.024	0.006	0.024 (0.013, 0.036)	1.63E-05	0.002	0.802
FVC	DAXX	cg18934106	1	Wald ratio	0.030	0.015	0.030 (0.001, 0.059)	0.046	NA	NA
FVC	ERBB3	cg23731805	1	Wald ratio	0.024	0.008	0.024 (0.009, 0.039)	0.002	NA	NA
FVC	LYN	cg02410887	2	Inverse variance weighted	-0.020	0.007	-0.020 (-0.034, -0.007)	0.003	NA	NA
FVC	USP13	cg05726764	17	Inverse variance weighted	0.009	0.002	0.009 (0.005, 0.013)	2.55E-06	0.000	0.996
FVC	WDR20;HSP90AA1	cg18412984	2	Inverse variance weighted	-0.024	0.008	-0.024 (-0.039, -0.008)	0.002	NA	NA
FVC	NCK2	cg01295249	10	Inverse variance weighted	-0.014	0.004	-0.014 (-0.023, -0.006)	7.56E-04	0.000	0.909
FVC	CARS	cg14935025	5	Inverse variance weighted	0.016	0.005	0.016 (0.007, 0.025)	8.60E-04	-0.004	0.253
FVC	LEP	cg25435800	1	Wald ratio	0.051	0.015	0.051 (0.021, 0.080)	7.38E-04	NA	NA
FVC	TPCN2	cg22484980	1	Wald ratio	0.052	0.015	0.052 (0.022, 0.082)	7.51E-04	NA	NA
FVC	FGFR3	cg00077738	8	Inverse variance weighted	-0.018	0.004	-0.018 (-0.026, -0.009)	5.66E-05	-0.002	0.664
FVC	SLC39A4	cg04600798	1	Wald ratio	0.048	0.014	0.048 (0.020, 0.076)	8.35E-04	NA	NA
FVC	SFRP1	cg07935886	1	Wald ratio	-0.045	0.013	-0.045 (-0.071, -0.018)	8.58E-04	NA	NA
FVC	PARP1	cg23712594	6	Inverse variance weighted	-0.015	0.005	-0.015 (-0.025, -0.006)	0.001	-0.001	0.855
FVC	PARP1	cg24937136	27	Inverse variance weighted	-0.004	0.002	-0.004 (-0.008, -0.001)	0.014	0.000	0.941
FVC	BCL2	cg26277730	1	Wald ratio	0.052	0.016	0.052 (0.022, 0.083)	7.51E-04	NA	NA
FVC	HIPK2	cg03369382	1	Wald ratio	-0.065	0.018	-0.065 (-0.101, -0.029)	3.62E-04	NA	NA

FVC	MPO	cg04266202	3	Inverse variance weighted	0.021	0.009	0.021 (0.003, 0.040)	0.025	0.019	0.328
FVC	HIP1	cg23657377	2	Inverse variance weighted	-0.034	0.010	-0.034 (-0.054, -0.015)	6.25E-04	NA	NA
FVC	GALNS;TRAPPC2L	cg16688112	2	Inverse variance weighted	-0.034	0.010	-0.034 (-0.053, -0.015)	3.90E-04	NA	NA
FVC	LYN	cg03973663	2	Inverse variance weighted	-0.025	0.008	-0.025 (-0.041, -0.009)	0.003	NA	NA
FVC	AP4E1	cg09951650	4	Inverse variance weighted	0.023	0.008	0.023 (0.008, 0.038)	0.002	0.004	0.472
FVC	HIP1	cg07928105	1	Wald ratio	-0.044	0.014	-0.044 (-0.071, -0.018)	0.001	NA	NA
FVC	NEU1	cg27645345	1	Wald ratio	0.068	0.020	0.068 (0.029, 0.107)	5.91E-04	NA	NA
FVC	DCC	cg25818763	1	Wald ratio	0.043	0.013	0.043 (0.017, 0.069)	0.001	NA	NA
FVC	PARP1	cg18590995	3	Inverse variance weighted	-0.026	0.007	-0.026 (-0.040, -0.012)	3.42E-04	-0.059	0.512
FVC	LGALS9	cg06852032	1	Wald ratio	0.040	0.013	0.040 (0.015, 0.065)	0.002	NA	NA
FVC	LYN	cg05997362	1	Wald ratio	-0.035	0.011	-0.035 (-0.057, -0.013)	0.002	NA	NA
FVC	ACSL1	cg01714284	5	Inverse variance weighted	-0.014	0.004	-0.014 (-0.022, -0.007)	3.37E-04	0.001	0.671
FVC	MMP9	cg17664577	3	Inverse variance weighted	0.023	0.006	0.023 (0.011, 0.034)	8.67E-05	0.003	0.593
FVC	NCK2	cg13704531	4	Inverse variance weighted	0.017	0.006	0.017 (0.006, 0.028)	0.002	-0.005	0.387
FVC	USP36	cg23797032	1	Wald ratio	0.055	0.017	0.055 (0.022, 0.087)	9.96E-04	NA	NA
FVC	CS	cg26714650	8	Inverse variance weighted	-0.008	0.004	-0.008 (-0.017, -0.000)	0.049	0.003	0.435
FVC	LYN	cg17806401	2	Inverse variance weighted	-0.025	0.011	-0.025 (-0.047, -0.003)	0.024	NA	NA
FVC	CS	cg26734620	3	Inverse variance weighted	0.023	0.009	0.023 (0.005, 0.040)	0.013	0.008	0.556
FVC	MMP9	cg00182727	1	Wald ratio	0.021	0.007	0.021 (0.007, 0.035)	0.003	NA	NA
FVC	MAP3K5	cg01792203	1	Wald ratio	-0.047	0.015	-0.047 (-0.076, -0.019)	0.001	NA	NA
FVC	PPM1F	cg25898577	3	Inverse variance weighted	0.021	0.006	0.021 (0.009, 0.034)	7.63E-04	0.010	0.392
FVC	FZD5	cg19744498	3	Inverse variance weighted	0.010	0.003	0.010 (0.003, 0.016)	0.003	-0.001	0.892
FVC	STBD1	cg17010112	2	Inverse variance weighted	0.013	0.006	0.013 (0.002, 0.024)	0.024	NA	NA
FVC	FZD5	cg19957162	5	Inverse variance weighted	0.013	0.004	0.013 (0.005, 0.021)	0.002	0.002	0.439
FVC	STBD1	cg06978288	9	Inverse variance weighted	0.015	0.005	0.015 (0.005, 0.026)	0.005	0.006	0.245
FVC	CYP1B1	cg07380506	13	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.012)	4.31E-04	0.000	0.911
FVC	PML	cg18136895	2	Inverse variance weighted	-0.026	0.008	-0.026 (-0.041, -0.010)	0.001	NA	NA
FVC	SFRP1	cg00000321	1	Wald ratio	-0.054	0.016	-0.054 (-0.086, -0.022)	8.58E-04	NA	NA
FVC	AP4E1	cg02338191	1	Wald ratio	0.031	0.010	0.031 (0.011, 0.052)	0.003	NA	NA
FVC	FZD5	cg15714846	2	Inverse variance weighted	0.020	0.006	0.020 (0.008, 0.032)	9.60E-04	NA	NA
FVC	GATA4	cg01546563	6	Inverse variance weighted	-0.013	0.005	-0.013 (-0.023, -0.002)	0.014	0.005	0.089
FVC	YWHAB	cg10774185	1	Wald ratio	-0.053	0.016	-0.053 (-0.085, -0.021)	0.001	NA	NA
FVC	BMP4	cg09367901	1	Wald ratio	-0.026	0.013	-0.026 (-0.051, -0.002)	0.035	NA	NA
FVC	SCOC	cg02182440	1	Wald ratio	-0.050	0.016	-0.050 (-0.081, -0.020)	0.001	NA	NA
FVC	LGALS12	cg04075247	2	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.018)	0.003	NA	NA
FVC	LGALS12	cg19529273	6	Inverse variance weighted	-0.011	0.005	-0.011 (-0.021, -0.002)	0.016	-0.002	0.534
FVC	INF2	cg02918593	2	Inverse variance weighted	-0.015	0.005	-0.015 (-0.024, -0.005)	0.002	NA	NA
FVC	PCGF2	cg02433498	1	Wald ratio	0.030	0.010	0.030 (0.010, 0.050)	0.003	NA	NA
FVC	UBE4B	cg08737543	1	Wald ratio	-0.017	0.006	-0.017 (-0.028, -0.005)	0.004	NA	NA
FVC	CS	cg24498746	2	Inverse variance weighted	-0.026	0.009	-0.026 (-0.043, -0.009)	0.003	NA	NA
FVC	FZD5	cg15262317	3	Inverse variance weighted	-0.026	0.008	-0.026 (-0.043, -0.010)	0.002	-0.003	0.648
FVC	BCL2	cg23707289	2	Inverse variance weighted	0.016	0.006	0.016 (0.005, 0.027)	0.003	NA	NA

FVC	AP3B2	cg27279991	2	Inverse variance weighted	-0.042	0.009	-0.042 (-0.060, -0.024)	6.50E-06	NA	NA
FVC	STK24	cg01536299	1	Wald ratio	0.056	0.017	0.056 (0.022, 0.089)	0.001	NA	NA
FVC	GNAI2	cg17641710	1	Wald ratio	0.035	0.012	0.035 (0.012, 0.058)	0.003	NA	NA
FVC	PARP1	cg17127702	22	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.003)	0.001	0.000	0.697
FVC	DDX5	cg08350119	1	Wald ratio	-0.025	0.009	-0.025 (-0.042, -0.008)	0.004	NA	NA
FVC	HRAS	cg06143971	7	Inverse variance weighted	0.012	0.003	0.012 (0.005, 0.018)	4.60E-04	0.002	0.444
FVC	SNCA	cg18258770	1	Wald ratio	0.060	0.018	0.060 (0.024, 0.096)	0.001	NA	NA
FVC	GALNS	cg02669544	1	Wald ratio	-0.028	0.008	-0.028 (-0.044, -0.012)	6.97E-04	NA	NA
FVC	AP3B2	cg20592391	2	Inverse variance weighted	0.043	0.011	0.043 (0.022, 0.063)	4.84E-05	NA	NA
FVC	NCK2	cg26377276	1	Wald ratio	-0.051	0.016	-0.051 (-0.083, -0.019)	0.002	NA	NA
FVC	KIF25	cg10146514	1	Wald ratio	-0.032	0.011	-0.032 (-0.053, -0.011)	0.003	NA	NA
FVC	ERBB3	cg00907267	1	Wald ratio	0.043	0.013	0.043 (0.017, 0.069)	0.001	NA	NA
FVC	ERBB3	cg17843101	1	Wald ratio	-0.034	0.012	-0.034 (-0.057, -0.012)	0.003	NA	NA
FVC	P2RX4	cg20966272	1	Wald ratio	0.025	0.009	0.025 (0.008, 0.042)	0.004	NA	NA
FVC	ATF6	cg09175582	2	Inverse variance weighted	-0.023	0.009	-0.023 (-0.041, -0.005)	0.012	NA	NA
FVC	ATG7	cg12120750	1	Wald ratio	0.032	0.011	0.032 (0.011, 0.054)	0.003	NA	NA
FVC	BCL2L14	cg18223430	8	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.003)	0.001	-0.003	0.173
FVC	SFRP1	cg14904908	1	Wald ratio	-0.029	0.010	-0.029 (-0.048, -0.009)	0.004	NA	NA
FVC	FZD5	cg05774672	2	Inverse variance weighted	0.022	0.007	0.022 (0.009, 0.036)	0.001	NA	NA
FVC	UNC13D	cg16354117	1	Wald ratio	0.018	0.006	0.018 (0.005, 0.030)	0.005	NA	NA
FVC	STK24	cg24701178	1	Wald ratio	-0.030	0.011	-0.030 (-0.051, -0.010)	0.004	NA	NA
FVC	GSDMB	cg16822095	1	Wald ratio	-0.042	0.014	-0.042 (-0.069, -0.014)	0.003	NA	NA
FVC	NCK2	cg03181966	1	Wald ratio	-0.038	0.013	-0.038 (-0.064, -0.013)	0.003	NA	NA
FVC	USP47	cg20781421	1	Wald ratio	0.034	0.012	0.034 (0.011, 0.057)	0.004	NA	NA
FVC	BCL2L14	cg24921858	3	Inverse variance weighted	-0.024	0.008	-0.024 (-0.039, -0.008)	0.004	-0.004	0.768
FVC	CAPZB	cg13319175	1	Wald ratio	-0.049	0.016	-0.049 (-0.081, -0.018)	0.002	NA	NA
FVC	PPM1F	cg27653384	2	Inverse variance weighted	-0.030	0.010	-0.030 (-0.051, -0.010)	0.003	NA	NA
FVC	CDH1	cg08616585	1	Wald ratio	0.035	0.012	0.035 (0.011, 0.058)	0.004	NA	NA
FVC	AP3B2	cg21669441	1	Wald ratio	-0.043	0.014	-0.043 (-0.071, -0.015)	0.003	NA	NA
FVC	LYN	cg21301224	1	Wald ratio	-0.046	0.015	-0.046 (-0.075, -0.017)	0.002	NA	NA
FVC	GNS	cg27476482	1	Wald ratio	0.037	0.013	0.037 (0.012, 0.062)	0.004	NA	NA
FVC	INF2	cg23343291	4	Inverse variance weighted	-0.019	0.007	-0.019 (-0.033, -0.004)	0.011	0.024	0.241
FVC	GNPTAB	cg17214456	7	Inverse variance weighted	-0.012	0.004	-0.012 (-0.021, -0.004)	0.003	0.000	0.955
FVC	SFRP1	cg01074584	1	Wald ratio	-0.045	0.015	-0.045 (-0.074, -0.016)	0.002	NA	NA
FVC	CYP1B1	cg11751707	1	Wald ratio	-0.041	0.014	-0.041 (-0.069, -0.014)	0.003	NA	NA
FVC	GSDMA	cg19422138	1	Wald ratio	0.041	0.014	0.041 (0.014, 0.068)	0.003	NA	NA
FVC	AP1M2	cg14985481	2	Inverse variance weighted	0.025	0.008	0.025 (0.008, 0.041)	0.004	NA	NA
FVC	FTH1	cg01209023	2	Inverse variance weighted	-0.017	0.008	-0.017 (-0.032, -0.002)	0.026	NA	NA
FVC	UNC5B	cg04269057	1	Wald ratio	-0.049	0.016	-0.049 (-0.080, -0.018)	0.002	NA	NA
FVC	CDKN2D	cg04833646	14	Inverse variance weighted	-0.010	0.003	-0.010 (-0.015, -0.005)	2.53E-04	-0.003	0.130
FVC	YWHAE	cg23643343	5	Inverse variance weighted	-0.023	0.010	-0.023 (-0.042, -0.004)	0.020	-0.007	0.487
FVC	ACP2	cg20969221	1	Wald ratio	0.054	0.017	0.054 (0.020, 0.088)	0.002	NA	NA

FVC	EYA4	cg18714224	7	Inverse variance weighted	0.014	0.004	0.014 (0.006, 0.021)	2.60E-04	-0.001	0.843
FVC	FTH1	cg02315732	2	Inverse variance weighted	-0.019	0.007	-0.019 (-0.033, -0.006)	0.005	NA	NA
FVC	HRAS;LRRC56	cg22174486	3	Inverse variance weighted	-0.018	0.006	-0.018 (-0.029, -0.006)	0.002	0.005	0.556
FVC	GDNF	cg07309340	1	Wald ratio	0.053	0.017	0.053 (0.019, 0.087)	0.002	NA	NA
FVC	SLC39A14	cg23563866	1	Wald ratio	0.031	0.011	0.031 (0.010, 0.052)	0.004	NA	NA
FVC	CTSA	cg03206537	1	Wald ratio	-0.048	0.016	-0.048 (-0.079, -0.017)	0.003	NA	NA
FVC	PPP3R1	cg19015708	5	Inverse variance weighted	-0.010	0.005	-0.010 (-0.020, -0.001)	0.025	0.007	0.128
FVC	INF2	cg23998240	2	Inverse variance weighted	-0.014	0.006	-0.014 (-0.026, -0.001)	0.031	NA	NA
FVC	DCC	cg21623566	1	Wald ratio	-0.050	0.017	-0.050 (-0.082, -0.017)	0.003	NA	NA
FVC	HIP1	cg27531731	2	Inverse variance weighted	-0.027	0.009	-0.027 (-0.044, -0.010)	0.002	NA	NA
FVC	IL6R	cg15633035	1	Wald ratio	-0.038	0.013	-0.038 (-0.063, -0.012)	0.004	NA	NA
FVC	SLC17A5	cg07554703	9	Inverse variance weighted	-0.016	0.006	-0.016 (-0.027, -0.005)	0.004	-0.001	0.809
FVC	PPM1F	cg10081899	2	Inverse variance weighted	-0.039	0.012	-0.039 (-0.063, -0.015)	0.001	NA	NA
FVC	FASTK;TMUB1	cg18068487	1	Wald ratio	0.047	0.016	0.047 (0.016, 0.079)	0.003	NA	NA
FVC	DCC	cg00399483	5	Inverse variance weighted	-0.017	0.004	-0.017 (-0.026, -0.008)	1.54E-04	-0.004	0.236
FVC	MADD	cg17580616	7	Inverse variance weighted	-0.015	0.007	-0.015 (-0.028, -0.002)	0.025	0.002	0.723
FVC	GALNS;TRAPPC2L	cg00073650	1	Wald ratio	-0.020	0.007	-0.020 (-0.035, -0.006)	0.005	NA	NA
FVC	DEF8	cg04591799	4	Inverse variance weighted	-0.023	0.006	-0.023 (-0.035, -0.010)	3.42E-04	0.000	0.927
FVC	AP1M2	cg26999505	2	Inverse variance weighted	0.021	0.007	0.021 (0.007, 0.035)	0.003	NA	NA
FVC	ARRB2	cg13466002	3	Inverse variance weighted	-0.016	0.005	-0.016 (-0.026, -0.006)	0.002	0.000	0.975
FVC	ERCC4	cg24091698	1	Wald ratio	0.037	0.013	0.037 (0.012, 0.063)	0.004	NA	NA
FVC	EIF2AK4	cg02712587	1	Wald ratio	-0.028	0.010	-0.028 (-0.048, -0.007)	0.007	NA	NA
FVC	ARRB2	cg19197139	11	Inverse variance weighted	0.007	0.002	0.007 (0.002, 0.011)	0.005	0.000	0.971
FVC	MIR210	cg08200293	3	Inverse variance weighted	0.016	0.006	0.016 (0.005, 0.028)	0.006	-0.006	0.528
FVC	ARRB2	cg00122941	6	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.015)	0.002	0.002	0.509
FVC	SLC17A5	cg04408379	12	Inverse variance weighted	-0.010	0.004	-0.010 (-0.017, -0.002)	0.012	0.003	0.349
FVC	SFRP1	cg03133371	1	Wald ratio	-0.043	0.015	-0.043 (-0.071, -0.014)	0.004	NA	NA
FVC	UNC13D	cg22467534	1	Wald ratio	-0.055	0.018	-0.055 (-0.091, -0.019)	0.003	NA	NA
FVC	SQSTM1;MGAT4B	cg06589507	1	Wald ratio	-0.051	0.017	-0.051 (-0.085, -0.018)	0.003	NA	NA
FVC	BCL2	cg12459502	1	Wald ratio	-0.043	0.015	-0.043 (-0.072, -0.014)	0.004	NA	NA
FVC	MADD	cg19501536	5	Inverse variance weighted	-0.022	0.005	-0.022 (-0.031, -0.013)	3.52E-06	-0.003	0.412
FVC	DCC	cg20917891	1	Wald ratio	-0.022	0.008	-0.022 (-0.037, -0.006)	0.007	NA	NA
FVC	STBD1	cg19406117	1	Wald ratio	0.054	0.018	0.054 (0.019, 0.089)	0.003	NA	NA
FVC	HSP90AA1	cg23904247	1	Wald ratio	0.038	0.014	0.038 (0.011, 0.065)	0.005	NA	NA
FVC	CAPZB	cg00968167	1	Wald ratio	-0.041	0.014	-0.041 (-0.069, -0.013)	0.005	NA	NA
FVC	BNIP3	cg21762589	1	Wald ratio	0.038	0.013	0.038 (0.012, 0.064)	0.005	NA	NA
FVC	DIDO1	cg15815827	2	Inverse variance weighted	-0.014	0.006	-0.014 (-0.025, -0.003)	0.010	NA	NA
FVC	RHEB	cg03323794	1	Wald ratio	-0.041	0.014	-0.041 (-0.069, -0.013)	0.005	NA	NA
FVC	SLC17A5	cg11742202	7	Inverse variance weighted	0.010	0.004	0.010 (0.002, 0.018)	0.011	-0.004	0.281
FVC	AKT1	cg26023960	3	Inverse variance weighted	0.014	0.004	0.014 (0.007, 0.022)	1.46E-04	0.003	0.662
FVC	PPP1R13B	cg11829633	25	Inverse variance weighted	-0.005	0.002	-0.005 (-0.009, -0.001)	0.020	0.002	0.303
FVC	GCC2	cg02082929	16	Inverse variance weighted	-0.004	0.002	-0.004 (-0.009, -0.000)	0.037	0.002	0.355

FVC	NCK2	cg09152813	33	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.003)	6.47E-04	0.000	0.986
FVC	ATP6V0D1	cg04726373	1	Wald ratio	0.033	0.012	0.033 (0.010, 0.057)	0.006	NA	NA
FVC	ZBTB22;DAXX	cg10585379	1	Wald ratio	-0.042	0.015	-0.042 (-0.071, -0.013)	0.005	NA	NA
FVC	DCC	cg18841634	1	Wald ratio	0.026	0.009	0.026 (0.007, 0.044)	0.007	NA	NA
FVC	CASP8AP2	cg13799429	24	Inverse variance weighted	0.006	0.002	0.006 (0.002, 0.009)	0.002	-0.001	0.568
FVC	SLC17A5	cg03026689	16	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.004)	0.003	0.004	0.079
FVC	CAPN1	cg09620688	2	Inverse variance weighted	-0.025	0.008	-0.025 (-0.040, -0.010)	0.001	NA	NA
FVC	SLC39A14	cg23882724	1	Wald ratio	0.049	0.017	0.049 (0.016, 0.081)	0.003	NA	NA
FVC	SFRP1	cg10406295	1	Wald ratio	-0.050	0.017	-0.050 (-0.083, -0.017)	0.003	NA	NA
FVC	SLC17A5	cg13599248	8	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.018)	0.006	-0.001	0.819
FVC	CAPZB	cg17081867	2	Inverse variance weighted	-0.026	0.008	-0.026 (-0.043, -0.010)	0.002	NA	NA
FVC	SGMS1	cg13576994	1	Wald ratio	-0.053	0.018	-0.053 (-0.089, -0.017)	0.004	NA	NA
FVC	MAZ	cg27338089	1	Wald ratio	-0.037	0.013	-0.037 (-0.063, -0.011)	0.006	NA	NA
FVC	AP3B2	cg25584930	1	Wald ratio	0.033	0.012	0.033 (0.009, 0.056)	0.006	NA	NA
FVC	STK24	cg22619767	1	Wald ratio	0.032	0.012	0.032 (0.009, 0.055)	0.007	NA	NA
FVC	MET	cg24627299	1	Wald ratio	0.027	0.010	0.027 (0.007, 0.047)	0.007	NA	NA
FVC	VGLL4;ATG7	cg02131130	1	Wald ratio	-0.028	0.010	-0.028 (-0.048, -0.008)	0.007	NA	NA
FVC	GLS	cg21497043	1	Wald ratio	0.024	0.009	0.024 (0.006, 0.042)	0.008	NA	NA
FVC	ARRB2	cg02286380	12	Inverse variance weighted	-0.007	0.002	-0.007 (-0.012, -0.003)	7.52E-04	0.000	0.796
FVC	SNORD71;AP1G1	cg05708656	1	Wald ratio	-0.051	0.018	-0.051 (-0.086, -0.016)	0.004	NA	NA
FVC	ARRB2	cg07971820	6	Inverse variance weighted	-0.010	0.003	-0.010 (-0.016, -0.004)	9.97E-04	0.000	0.835
FVC	MADD	cg25783544	1	Wald ratio	0.021	0.008	0.021 (0.005, 0.037)	0.010	NA	NA
FVC	MEFV	cg08781710	1	Wald ratio	0.033	0.012	0.033 (0.010, 0.055)	0.005	NA	NA
FVC	LEP	cg00840332	1	Wald ratio	0.032	0.012	0.032 (0.009, 0.054)	0.007	NA	NA
FVC	ACSL1	cg07942479	4	Inverse variance weighted	0.014	0.005	0.014 (0.004, 0.023)	0.006	-0.004	0.444
FVC	SLC38A9	cg07262873	1	Wald ratio	0.040	0.014	0.040 (0.012, 0.068)	0.006	NA	NA
FVC	PPP1R13B	cg08213375	17	Inverse variance weighted	0.009	0.003	0.009 (0.004, 0.014)	9.08E-04	-0.001	0.732
FVC	RHEB	cg02506984	1	Wald ratio	-0.034	0.013	-0.034 (-0.059, -0.009)	0.007	NA	NA
FVC	SPTLC1	cg01248375	4	Inverse variance weighted	0.026	0.008	0.026 (0.009, 0.042)	0.002	0.006	0.521
FVC	CDH1	cg24765079	8	Inverse variance weighted	-0.011	0.005	-0.011 (-0.020, -0.002)	0.013	-0.002	0.581
FVC	CAPZB	cg23519022	2	Inverse variance weighted	0.036	0.009	0.036 (0.019, 0.053)	3.97E-05	NA	NA
FVC	USP47	cg20728419	1	Wald ratio	0.051	0.018	0.051 (0.016, 0.086)	0.004	NA	NA
FVC	LEP	cg00666422	1	Wald ratio	0.034	0.013	0.034 (0.009, 0.059)	0.007	NA	NA
FVC	TRIM8	cg22532475	24	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.003)	8.09E-04	0.000	0.804
FVC	COL2A1	cg12235144	1	Wald ratio	-0.034	0.013	-0.034 (-0.059, -0.010)	0.007	NA	NA
FVC	NKX3-1	cg21428681	1	Wald ratio	0.024	0.009	0.024 (0.006, 0.041)	0.007	NA	NA
FVC	NLRC4	cg22713339	1	Wald ratio	0.015	0.006	0.015 (0.004, 0.027)	0.009	NA	NA
FVC	ARRB2	cg16472369	2	Inverse variance weighted	-0.022	0.006	-0.022 (-0.034, -0.010)	2.14E-04	NA	NA
FVC	IL10	cg17067005	1	Wald ratio	-0.033	0.012	-0.033 (-0.058, -0.009)	0.007	NA	NA
FVC	TRAPPC2L;GALNS	cg13074209	2	Inverse variance weighted	-0.021	0.007	-0.021 (-0.035, -0.006)	0.005	NA	NA
FVC	GATA4	cg18283386	1	Wald ratio	-0.033	0.012	-0.033 (-0.057, -0.009)	0.007	NA	NA
FVC	CDH1	cg01251360	16	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.001	0.001	0.673

FVC	BNIP3	cg23606392	1	Wald ratio	0.048	0.018	0.048 (0.013, 0.082)	0.007	NA	NA
FVC	CYP1B1	cg03890222	1	Wald ratio	0.048	0.017	0.048 (0.014, 0.081)	0.005	NA	NA
FVC	BCL2L14	cg20481287	9	Inverse variance weighted	-0.012	0.003	-0.012 (-0.018, -0.007)	1.83E-05	-0.003	0.162
FVC	CYP1B1	cg07057636	1	Wald ratio	-0.047	0.017	-0.047 (-0.081, -0.014)	0.005	NA	NA
FVC	ATG5	cg09492693	1	Wald ratio	0.034	0.012	0.034 (0.009, 0.058)	0.007	NA	NA
FVC	SNAI1	cg22815953	1	Wald ratio	0.034	0.013	0.034 (0.009, 0.060)	0.008	NA	NA
FVC	SLC39A13	cg23312964	1	Wald ratio	0.049	0.018	0.049 (0.015, 0.084)	0.005	NA	NA
FVC	UNC13D	cg14715778	1	Wald ratio	0.028	0.011	0.028 (0.007, 0.050)	0.009	NA	NA
FVC	UNC13D	cg23891399	12	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.003)	9.14E-04	-0.003	0.331
FVC	UNC13D	cg07010633	10	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.001)	0.014	0.002	0.571
FVC	UNC13D	cg12407791	11	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.001)	0.011	0.001	0.648
FVC	UNC13D	cg23470227	12	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.001)	0.012	0.001	0.821
FVC	UNC13D	cg02627403	12	Inverse variance weighted	-0.005	0.003	-0.005 (-0.010, -0.000)	0.046	0.000	0.884
FVC	ATG7	cg03589820	1	Wald ratio	-0.048	0.017	-0.048 (-0.081, -0.015)	0.005	NA	NA
FVC	STK24	cg03701759	2	Inverse variance weighted	-0.021	0.007	-0.021 (-0.035, -0.007)	0.003	NA	NA
FVC	SNAI1	cg23100428	1	Wald ratio	-0.040	0.015	-0.040 (-0.069, -0.011)	0.007	NA	NA
FVC	UNC13D	cg02880508	6	Inverse variance weighted	-0.008	0.004	-0.008 (-0.017, -0.000)	0.038	0.001	0.796
FVC	RBCK1	cg13812132	2	Inverse variance weighted	-0.022	0.009	-0.022 (-0.039, -0.006)	0.009	NA	NA
FVC	BMP4	cg20297199	1	Wald ratio	0.054	0.019	0.054 (0.016, 0.091)	0.005	NA	NA
FVC	UNC13D	cg15177359	1	Wald ratio	0.049	0.018	0.049 (0.014, 0.083)	0.006	NA	NA
FVC	SYNPO2	cg12973294	9	Inverse variance weighted	-0.009	0.004	-0.009 (-0.018, -0.001)	0.037	0.000	0.899
FVC	SYNPO2	cg14717666	16	Inverse variance weighted	-0.006	0.003	-0.006 (-0.011, -0.001)	0.016	0.000	0.883
FVC	BIRC2	cg06323957	8	Inverse variance weighted	0.012	0.004	0.012 (0.005, 0.019)	6.62E-04	-0.002	0.434
FVC	PIP4K2A	cg06690686	4	Inverse variance weighted	-0.016	0.006	-0.016 (-0.027, -0.005)	0.004	0.003	0.642
FVC	PCGF2	cg18896448	1	Wald ratio	0.033	0.013	0.033 (0.008, 0.057)	0.009	NA	NA
FVC	CAPN1	cg05033401	1	Wald ratio	-0.041	0.015	-0.041 (-0.071, -0.011)	0.007	NA	NA
FVC	BCL2L14	cg01934781	1	Wald ratio	-0.021	0.008	-0.021 (-0.038, -0.005)	0.011	NA	NA
FVC	AHRR;PDCD6	cg17310215	2	Inverse variance weighted	-0.019	0.008	-0.019 (-0.035, -0.004)	0.014	NA	NA
FVC	BRSK2	cg21782309	11	Inverse variance weighted	0.006	0.003	0.006 (0.001, 0.012)	0.016	0.000	0.988
FVC	SIVA1	cg10285897	1	Wald ratio	0.036	0.014	0.036 (0.009, 0.063)	0.008	NA	NA
FVC	UNC13D	cg17075258	1	Wald ratio	-0.019	0.007	-0.019 (-0.033, -0.004)	0.012	NA	NA
FVC	TGFBR1	cg13608979	1	Wald ratio	0.019	0.007	0.019 (0.004, 0.033)	0.012	NA	NA
FVC	BIRC2	cg11690896	5	Inverse variance weighted	0.022	0.006	0.022 (0.011, 0.033)	6.05E-05	0.001	0.767
FVC	MAP3K5	cg24999105	2	Inverse variance weighted	-0.012	0.005	-0.012 (-0.022, -0.003)	0.013	NA	NA
FVC	ALOX15	cg05715138	1	Wald ratio	0.039	0.015	0.039 (0.010, 0.068)	0.008	NA	NA
FVC	FBXL2	cg00456685	13	Inverse variance weighted	0.007	0.003	0.007 (0.000, 0.013)	0.041	-0.001	0.553
FVC	INF2	cg03573445	1	Wald ratio	-0.032	0.013	-0.032 (-0.057, -0.008)	0.010	NA	NA
FVC	DEF8	cg03987653	7	Inverse variance weighted	-0.013	0.004	-0.013 (-0.021, -0.004)	0.005	0.001	0.797
FVC	HIF1A	cg04509825	1	Wald ratio	0.029	0.011	0.029 (0.007, 0.051)	0.011	NA	NA
FVC	TRAPPC2L;GALNS	cg07364608	1	Wald ratio	-0.030	0.011	-0.030 (-0.052, -0.008)	0.008	NA	NA
FVC	AP3B2	cg18253757	2	Inverse variance weighted	0.038	0.012	0.038 (0.014, 0.063)	0.002	NA	NA
FVC	TFDP1	cg07276358	1	Wald ratio	-0.034	0.013	-0.034 (-0.059, -0.008)	0.009	NA	NA

FVC	TFDP1	cg07804973	1	Wald ratio	-0.034	0.013	-0.034 (-0.060, -0.008)	0.010	NA	NA
FVC	BCL2L14	cg27366072	1	Wald ratio	-0.029	0.011	-0.029 (-0.052, -0.007)	0.011	NA	NA
FVC	SLC39A11	cg15391883	1	Wald ratio	0.015	0.006	0.015 (0.003, 0.026)	0.012	NA	NA
FVC	INF2	cg17984022	3	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.001)	0.026	0.003	0.533
FVC	BCL2L14	cg01175610	2	Inverse variance weighted	-0.031	0.010	-0.031 (-0.050, -0.012)	0.001	NA	NA
FVC	STK24	cg03461548	1	Wald ratio	0.050	0.019	0.050 (0.014, 0.087)	0.007	NA	NA
FVC	PIK3R1	cg24797508	1	Wald ratio	-0.039	0.015	-0.039 (-0.069, -0.010)	0.009	NA	NA
FVC	SLC40A1	cg15599483	2	Inverse variance weighted	-0.027	0.010	-0.027 (-0.046, -0.007)	0.007	NA	NA
FVC	LEP	cg26814075	1	Wald ratio	0.048	0.018	0.048 (0.013, 0.082)	0.007	NA	NA
FVC	WAC	cg24792245	3	Inverse variance weighted	0.020	0.007	0.020 (0.006, 0.034)	0.004	0.006	0.376
FVC	SLC40A1	cg14499385	6	Inverse variance weighted	-0.013	0.004	-0.013 (-0.021, -0.004)	0.003	-0.003	0.416
FVC	FASTK;TMUB1	cg10702041	1	Wald ratio	-0.027	0.011	-0.027 (-0.047, -0.006)	0.012	NA	NA
FVC	UNC5B	cg23622162	12	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.003)	7.95E-04	-0.001	0.661
FVC	POU4F1	cg25682299	1	Wald ratio	-0.046	0.017	-0.046 (-0.080, -0.012)	0.008	NA	NA
FVC	AP1M2	cg11657665	6	Inverse variance weighted	-0.008	0.004	-0.008 (-0.016, -0.000)	0.049	0.004	0.315
FVC	CAPNS1	cg18304093	1	Wald ratio	0.043	0.016	0.043 (0.011, 0.075)	0.008	NA	NA
FVC	SHARPIN	cg15230435	1	Wald ratio	-0.041	0.016	-0.041 (-0.072, -0.010)	0.010	NA	NA
FVC	USP10	cg07647771	11	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.010)	2.84E-04	0.000	0.854
FVC	RASIP1	cg15673069	3	Inverse variance weighted	-0.016	0.005	-0.016 (-0.026, -0.006)	0.001	-0.002	0.703
FVC	CDH1	cg09406989	11	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.001)	0.024	-0.001	0.855
FVC	HSPA1B	cg13911590	1	Wald ratio	0.045	0.017	0.045 (0.012, 0.079)	0.009	NA	NA
FVC	PIK3R1	cg09101894	1	Wald ratio	-0.044	0.017	-0.044 (-0.077, -0.011)	0.009	NA	NA
FVC	SLC38A9	cg07042489	1	Wald ratio	0.040	0.015	0.040 (0.011, 0.068)	0.007	NA	NA
FVC	DCC	cg18866015	4	Inverse variance weighted	-0.022	0.005	-0.022 (-0.032, -0.011)	4.43E-05	-0.002	0.738
FVC	P2RX7	cg10901569	4	Inverse variance weighted	-0.017	0.006	-0.017 (-0.028, -0.006)	0.002	0.003	0.444
FVC	GSDMD	cg03367493	16	Inverse variance weighted	-0.010	0.002	-0.010 (-0.015, -0.006)	6.04E-06	-0.002	0.308
FVC	SQSTM1	cg06861426	1	Wald ratio	0.033	0.013	0.033 (0.007, 0.059)	0.012	NA	NA
FVC	ENO1	cg20971527	1	Wald ratio	0.019	0.008	0.019 (0.004, 0.034)	0.015	NA	NA
FVC	INF2	cg13590876	1	Wald ratio	-0.042	0.016	-0.042 (-0.074, -0.010)	0.010	NA	NA
FVC	ENO1	cg10313368	15	Inverse variance weighted	0.010	0.002	0.010 (0.005, 0.014)	9.49E-06	0.002	0.303
FVC	SLC39A13	cg19668951	1	Wald ratio	0.039	0.015	0.039 (0.009, 0.069)	0.010	NA	NA
FVC	MYH14	cg00919509	1	Wald ratio	-0.030	0.012	-0.030 (-0.053, -0.007)	0.011	NA	NA
FVC	GSDMA	cg08995595	1	Wald ratio	0.028	0.011	0.028 (0.006, 0.051)	0.013	NA	NA
FVC	ERN1	cg17463083	1	Wald ratio	0.034	0.013	0.034 (0.008, 0.060)	0.012	NA	NA
FVC	CX3CL1	cg15195412	1	Wald ratio	0.032	0.013	0.032 (0.007, 0.058)	0.012	NA	NA
FVC	PLEKHM2	cg23112360	3	Inverse variance weighted	0.011	0.005	0.011 (0.000, 0.021)	0.043	-0.004	0.532
FVC	RPTOR	cg01432609	1	Wald ratio	0.041	0.016	0.041 (0.010, 0.072)	0.010	NA	NA
FVC	ENO1	cg18273817	4	Inverse variance weighted	0.017	0.005	0.017 (0.008, 0.027)	4.22E-04	0.004	0.369
FVC	DAPK1	cg13752933	1	Wald ratio	-0.035	0.014	-0.035 (-0.062, -0.008)	0.012	NA	NA
FVC	INF2	cg18996808	2	Inverse variance weighted	0.023	0.009	0.023 (0.004, 0.041)	0.015	NA	NA
FVC	CBS	cg03137177	1	Wald ratio	-0.045	0.017	-0.045 (-0.079, -0.011)	0.009	NA	NA
FVC	COL2A1	cg05342945	3	Inverse variance weighted	0.041	0.014	0.041 (0.013, 0.069)	0.004	0.004	0.796

FVC	FOXK2	cg16755922	3	Inverse variance weighted	0.012	0.005	0.012 (0.003, 0.022)	0.008	-0.004	0.886
FVC	CLEC16A	cg06150195	1	Wald ratio	0.022	0.009	0.022 (0.004, 0.039)	0.016	NA	NA
FVC	RPTOR	cg19857461	2	Inverse variance weighted	-0.025	0.008	-0.025 (-0.042, -0.009)	0.002	NA	NA
FVC	CLEC16A	cg04616529	7	Inverse variance weighted	-0.010	0.004	-0.010 (-0.018, -0.002)	0.019	0.004	0.204
FVC	CD164	cg12940558	1	Wald ratio	-0.018	0.008	-0.018 (-0.033, -0.003)	0.015	NA	NA
FVC	RPTOR	cg03513049	7	Inverse variance weighted	-0.006	0.003	-0.006 (-0.012, -0.000)	0.050	0.002	0.248
FVC	ENO1	cg06972019	20	Inverse variance weighted	0.006	0.002	0.006 (0.003, 0.009)	2.60E-04	0.001	0.503
FVC	FOXK2	cg05331763	7	Inverse variance weighted	-0.006	0.003	-0.006 (-0.011, -0.001)	0.018	0.001	0.789
FVC	TFDP1	cg16637188	1	Wald ratio	-0.029	0.013	-0.029 (-0.054, -0.003)	0.030	NA	NA
FVC	ENO1	cg10443148	9	Inverse variance weighted	0.012	0.003	0.012 (0.006, 0.017)	8.33E-05	0.001	0.658
FVC	ERN1	cg12258847	1	Wald ratio	0.040	0.016	0.040 (0.009, 0.070)	0.012	NA	NA
FVC	ENO1	cg02088347	1	Wald ratio	0.036	0.014	0.036 (0.007, 0.064)	0.013	NA	NA
FVC	TGFBR1	cg13827209	1	Wald ratio	-0.027	0.011	-0.027 (-0.049, -0.005)	0.016	NA	NA
FVC	P2RX7	cg22867729	1	Wald ratio	-0.040	0.016	-0.040 (-0.071, -0.009)	0.012	NA	NA
FVC	PIP4K2B	cg20303331	3	Inverse variance weighted	0.017	0.005	0.017 (0.006, 0.027)	0.002	0.002	0.598
FVC	PIK3CD	cg23098018	1	Wald ratio	-0.044	0.017	-0.044 (-0.077, -0.010)	0.011	NA	NA
FVC	SHARPIN;MAF1	cg22861185	1	Wald ratio	0.036	0.015	0.036 (0.007, 0.065)	0.014	NA	NA
FVC	CDH1	cg16739895	1	Wald ratio	-0.046	0.018	-0.046 (-0.081, -0.010)	0.011	NA	NA
FVC	MAP3K5	cg02673417	1	Wald ratio	-0.038	0.015	-0.038 (-0.067, -0.008)	0.012	NA	NA
FVC	ATF3	cg05036120	1	Wald ratio	-0.042	0.017	-0.042 (-0.075, -0.009)	0.012	NA	NA
FVC	NCK2	cg14210321	13	Inverse variance weighted	-0.011	0.003	-0.011 (-0.017, -0.004)	0.002	-0.002	0.501
FVC	RPTOR	cg10281768	9	Inverse variance weighted	-0.010	0.004	-0.010 (-0.018, -0.001)	0.023	0.000	0.939
FVC	CAPN1	cg16697977	2	Inverse variance weighted	-0.028	0.008	-0.028 (-0.044, -0.012)	7.91E-04	NA	NA
FVC	ATG5	cg04389950	1	Wald ratio	-0.042	0.017	-0.042 (-0.075, -0.009)	0.012	NA	NA
FVC	PRKAA1	cg13345558	1	Wald ratio	-0.027	0.011	-0.027 (-0.049, -0.005)	0.016	NA	NA
FVC	PLEKHM2	cg06178322	1	Wald ratio	0.041	0.016	0.041 (0.009, 0.074)	0.012	NA	NA
FVC	WWOX	cg27109907	1	Wald ratio	0.032	0.013	0.032 (0.006, 0.057)	0.016	NA	NA
FVC	ERN1	cg11099375	1	Wald ratio	-0.033	0.014	-0.033 (-0.060, -0.006)	0.015	NA	NA
FVC	COL2A1	cg18990042	1	Wald ratio	0.027	0.011	0.027 (0.005, 0.049)	0.015	NA	NA
FVC	EIF2AK4	cg06753055	8	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.017)	0.006	0.004	0.082
FVC	TP73	cg25352980	1	Wald ratio	-0.026	0.011	-0.026 (-0.047, -0.004)	0.018	NA	NA
FVC	GZMB	cg16212145	2	Inverse variance weighted	-0.023	0.008	-0.023 (-0.038, -0.008)	0.003	NA	NA
FVC	ARSB	cg01026730	12	Inverse variance weighted	-0.010	0.003	-0.010 (-0.016, -0.005)	2.02E-04	-0.004	0.087
FVC	FBXL2	cg19241168	1	Wald ratio	-0.024	0.010	-0.024 (-0.044, -0.004)	0.018	NA	NA
FVC	RPTOR	cg05337636	4	Inverse variance weighted	-0.013	0.006	-0.013 (-0.025, -0.000)	0.042	0.008	0.351
FVC	ATP2A3	cg09013975	1	Wald ratio	0.037	0.015	0.037 (0.007, 0.067)	0.015	NA	NA
FVC	AP1M1	cg00754063	1	Wald ratio	0.021	0.009	0.021 (0.003, 0.038)	0.020	NA	NA
FVC	PTGDR	cg27131955	4	Inverse variance weighted	0.012	0.006	0.012 (0.001, 0.023)	0.029	-0.003	0.432
FVC	GSDMD	cg20583945	24	Inverse variance weighted	0.005	0.001	0.005 (0.002, 0.008)	4.03E-04	0.001	0.458
FVC	TCF7L2	cg03384318	1	Wald ratio	0.041	0.017	0.041 (0.008, 0.074)	0.014	NA	NA
FVC	GSDMD	cg09317036	13	Inverse variance weighted	0.009	0.002	0.009 (0.004, 0.014)	1.61E-04	0.002	0.136
FVC	CDH1	cg20716119	1	Wald ratio	-0.023	0.010	-0.023 (-0.042, -0.004)	0.020	NA	NA

FVC	GSDMD	cg22995724	17	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.001)	0.029	0.000	0.758
FVC	SLC11A2	cg22789605	2	Inverse variance weighted	-0.012	0.005	-0.012 (-0.022, -0.002)	0.015	NA	NA
FVC	GSDMD	cg06553843	9	Inverse variance weighted	-0.011	0.003	-0.011 (-0.017, -0.005)	4.13E-04	-0.001	0.581
FVC	CDH1	cg01857829	1	Wald ratio	-0.024	0.010	-0.024 (-0.045, -0.004)	0.020	NA	NA
FVC	RASIP1	cg01388301	2	Inverse variance weighted	-0.013	0.006	-0.013 (-0.026, -0.001)	0.033	NA	NA
FVC	TIRAP	cg15932284	1	Wald ratio	0.022	0.010	0.022 (0.003, 0.041)	0.022	NA	NA
FVC	PIK3R1	cg26878542	2	Inverse variance weighted	0.026	0.009	0.026 (0.008, 0.044)	0.005	NA	NA
FVC	ENTPD4	cg09238382	3	Inverse variance weighted	-0.008	0.003	-0.008 (-0.015, -0.002)	0.015	0.000	0.907
FVC	ITPR1	cg18689402	5	Inverse variance weighted	-0.006	0.002	-0.006 (-0.011, -0.001)	0.013	-0.002	0.590
FVC	IGF2R	cg17154159	1	Wald ratio	0.027	0.012	0.027 (0.005, 0.050)	0.019	NA	NA
FVC	RHEB	cg03998173	1	Wald ratio	-0.041	0.017	-0.041 (-0.074, -0.008)	0.016	NA	NA
FVC	COL2A1	cg17342302	1	Wald ratio	-0.030	0.013	-0.030 (-0.055, -0.005)	0.019	NA	NA
FVC	STXBP2	cg24759919	9	Inverse variance weighted	-0.008	0.002	-0.008 (-0.013, -0.003)	0.001	-0.001	0.703
FVC	TFDP1	cg08183317	1	Wald ratio	0.029	0.013	0.029 (0.005, 0.054)	0.020	NA	NA
FVC	PAFAH1B2	cg13046003	2	Inverse variance weighted	0.014	0.005	0.014 (0.004, 0.024)	0.006	NA	NA
FVC	STXBP2	cg27546241	6	Inverse variance weighted	-0.013	0.003	-0.013 (-0.019, -0.006)	1.03E-04	-0.002	0.346
FVC	COL2A1	cg08886711	1	Wald ratio	0.035	0.015	0.035 (0.007, 0.064)	0.015	NA	NA
FVC	ALOX15	cg11334406	1	Wald ratio	-0.035	0.015	-0.035 (-0.064, -0.006)	0.018	NA	NA
FVC	HEXB	cg21230774	2	Inverse variance weighted	0.014	0.006	0.014 (0.002, 0.025)	0.020	NA	NA
FVC	MET	cg19958057	1	Wald ratio	-0.045	0.019	-0.045 (-0.082, -0.009)	0.015	NA	NA
FVC	FOXK2	cg14587273	5	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.001)	0.028	0.001	0.507
FVC	TERT	cg27298526	7	Inverse variance weighted	-0.014	0.005	-0.014 (-0.024, -0.004)	0.005	0.001	0.564
FVC	PLEKHM2	cg07007550	2	Inverse variance weighted	0.015	0.006	0.015 (0.003, 0.027)	0.017	NA	NA
FVC	CSNK2A1	cg26292976	1	Wald ratio	-0.023	0.010	-0.023 (-0.042, -0.003)	0.022	NA	NA
FVC	TP73	cg24356964	2	Inverse variance weighted	0.034	0.011	0.034 (0.012, 0.057)	0.002	NA	NA
FVC	CDH1	cg23989635	1	Wald ratio	-0.032	0.014	-0.032 (-0.058, -0.005)	0.020	NA	NA
FVC	EPHA2	cg26371327	3	Inverse variance weighted	0.021	0.007	0.021 (0.007, 0.036)	0.003	-0.005	0.725
FVC	EPHA2	cg03258665	3	Inverse variance weighted	0.022	0.008	0.022 (0.007, 0.038)	0.005	-0.001	0.968
FVC	EPHA2	cg27582323	3	Inverse variance weighted	0.023	0.009	0.023 (0.006, 0.041)	0.010	0.003	0.890
FVC	CDKN2D	cg08312369	1	Wald ratio	0.040	0.017	0.040 (0.007, 0.073)	0.016	NA	NA
FVC	TFDP1	cg25945004	1	Wald ratio	-0.019	0.009	-0.019 (-0.036, -0.003)	0.024	NA	NA
FVC	USP36	cg06146665	13	Inverse variance weighted	0.011	0.002	0.011 (0.007, 0.016)	1.61E-06	0.003	0.122
FVC	KDM1A	cg23271558	1	Wald ratio	-0.029	0.013	-0.029 (-0.053, -0.004)	0.021	NA	NA
FVC	GATA4	cg26020513	2	Inverse variance weighted	0.017	0.008	0.017 (0.002, 0.032)	0.029	NA	NA
FVC	AIM2	cg17515347	4	Inverse variance weighted	0.012	0.004	0.012 (0.004, 0.020)	0.004	0.002	0.654
FVC	MAP3K5	cg21506299	2	Inverse variance weighted	-0.016	0.007	-0.016 (-0.030, -0.002)	0.028	NA	NA
FVC	PDHB	cg07576186	29	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.003)	3.90E-04	-0.003	0.103
FVC	TFDP1	cg09041183	1	Wald ratio	-0.031	0.013	-0.031 (-0.057, -0.005)	0.021	NA	NA
FVC	STXBP2	cg04770751	2	Inverse variance weighted	-0.017	0.008	-0.017 (-0.032, -0.002)	0.028	NA	NA
FVC	SRC	cg23635789	1	Wald ratio	0.024	0.011	0.024 (0.003, 0.046)	0.028	NA	NA
FVC	CHGA	cg23013853	8	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.003	0.000	0.962
FVC	RPS27L	cg26210447	7	Inverse variance weighted	-0.012	0.004	-0.012 (-0.019, -0.004)	0.002	-0.001	0.844

FVC	INF2	cg24404909	1	Wald ratio	0.040	0.017	0.040 (0.007, 0.072)	0.018	NA	NA
FVC	MAP2K5	cg25642180	1	Wald ratio	0.040	0.017	0.040 (0.007, 0.072)	0.017	NA	NA
FVC	STAT4	cg01004382	1	Wald ratio	0.036	0.015	0.036 (0.006, 0.066)	0.020	NA	NA
FVC	ATP2A3	cg06463185	5	Inverse variance weighted	-0.015	0.007	-0.015 (-0.028, -0.002)	0.025	-0.009	0.081
FVC	BIRC2	cg11114757	6	Inverse variance weighted	-0.013	0.005	-0.013 (-0.023, -0.003)	0.011	-0.001	0.889
FVC	ZC3H12A	cg03140118	19	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.003	-0.001	0.608
FVC	SFRP1	cg14824386	1	Wald ratio	-0.034	0.015	-0.034 (-0.063, -0.006)	0.020	NA	NA
FVC	RASIP1	cg12258179	1	Wald ratio	-0.024	0.011	-0.024 (-0.046, -0.003)	0.024	NA	NA
FVC	SRC	cg12807924	4	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.019)	0.006	0.003	0.535
FVC	MSX1	cg03199651	1	Wald ratio	-0.031	0.014	-0.031 (-0.058, -0.005)	0.022	NA	NA
FVC	LAPTM5	cg24459792	1	Wald ratio	-0.028	0.012	-0.028 (-0.053, -0.004)	0.023	NA	NA
FVC	ATG7	cg18146954	1	Wald ratio	-0.027	0.012	-0.027 (-0.050, -0.004)	0.024	NA	NA
FVC	AP1G1	cg13701124	1	Wald ratio	-0.035	0.015	-0.035 (-0.066, -0.005)	0.021	NA	NA
FVC	AIM2	cg17217296	7	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.013)	0.004	0.000	0.955
FVC	AIM2	cg11003133	4	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.018)	0.007	0.004	0.608
FVC	EIF2AK2	cg23820429	1	Wald ratio	-0.046	0.019	-0.046 (-0.083, -0.009)	0.016	NA	NA
FVC	TMEM14A	cg18568843	1	Wald ratio	0.033	0.014	0.033 (0.005, 0.061)	0.022	NA	NA
FVC	CX3CL1	cg01555705	1	Wald ratio	-0.027	0.012	-0.027 (-0.050, -0.003)	0.024	NA	NA
FVC	TRIM65	cg25176883	1	Wald ratio	0.040	0.017	0.040 (0.006, 0.074)	0.020	NA	NA
FVC	AIM2	cg00490406	2	Inverse variance weighted	0.015	0.006	0.015 (0.005, 0.026)	0.005	NA	NA
FVC	MSX1	cg03672274	1	Wald ratio	-0.040	0.017	-0.040 (-0.074, -0.006)	0.020	NA	NA
FVC	ENTPD4	cg02151632	6	Inverse variance weighted	-0.008	0.003	-0.008 (-0.013, -0.003)	0.004	-0.002	0.355
FVC	OPA1	cg16241473	1	Wald ratio	-0.043	0.018	-0.043 (-0.078, -0.008)	0.017	NA	NA
FVC	CDK5R1	cg22322863	1	Wald ratio	0.029	0.013	0.029 (0.004, 0.055)	0.024	NA	NA
FVC	STXBP2	cg24479032	1	Wald ratio	-0.035	0.015	-0.035 (-0.066, -0.005)	0.022	NA	NA
FVC	MAMSTR;RASIP1	cg18886062	1	Wald ratio	-0.030	0.013	-0.030 (-0.057, -0.004)	0.024	NA	NA
FVC	SCOC	cg06775361	1	Wald ratio	-0.028	0.012	-0.028 (-0.052, -0.003)	0.025	NA	NA
FVC	CD3E	cg27354586	9	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.013)	0.004	-0.002	0.464
FVC	AIM2	cg27541604	1	Wald ratio	0.018	0.008	0.018 (0.002, 0.033)	0.026	NA	NA
FVC	AATF	cg03252536	1	Wald ratio	-0.028	0.012	-0.028 (-0.053, -0.004)	0.023	NA	NA
FVC	TERT	cg13924604	1	Wald ratio	-0.036	0.016	-0.036 (-0.066, -0.005)	0.023	NA	NA
FVC	ERCC4	cg03927470	4	Inverse variance weighted	0.009	0.004	0.009 (0.001, 0.017)	0.035	-0.001	0.882
FVC	COL2A1	cg19066141	1	Wald ratio	0.020	0.009	0.020 (0.002, 0.038)	0.028	NA	NA
FVC	UCHL1	cg08273672	1	Wald ratio	-0.020	0.009	-0.020 (-0.038, -0.002)	0.031	NA	NA
FVC	DAB2IP	cg14136214	1	Wald ratio	0.025	0.011	0.025 (0.003, 0.047)	0.027	NA	NA
FVC	CBL	cg22414151	1	Wald ratio	-0.016	0.007	-0.016 (-0.030, -0.002)	0.030	NA	NA
FVC	E2F2	cg03333582	2	Inverse variance weighted	-0.028	0.010	-0.028 (-0.047, -0.009)	0.005	NA	NA
FVC	PPP1R13B	cg09351176	1	Wald ratio	0.040	0.017	0.040 (0.006, 0.074)	0.022	NA	NA
FVC	RASIP1	cg23082877	1	Wald ratio	-0.026	0.012	-0.026 (-0.049, -0.002)	0.030	NA	NA
FVC	KIF25	cg03662475	1	Wald ratio	-0.035	0.015	-0.035 (-0.065, -0.005)	0.023	NA	NA
FVC	ATP6V1C2	cg18436444	1	Wald ratio	-0.028	0.012	-0.028 (-0.052, -0.003)	0.027	NA	NA
FVC	ERN1	cg14603886	1	Wald ratio	-0.034	0.015	-0.034 (-0.063, -0.004)	0.024	NA	NA

FVC	USP21	cg08535938	1	Wald ratio	-0.025	0.012	-0.025 (-0.048, -0.003)	0.029	NA	NA
FVC	PPM1F	cg01612629	2	Inverse variance weighted	-0.023	0.008	-0.023 (-0.037, -0.008)	0.003	NA	NA
FVC	MAP2K5	cg01362115	2	Inverse variance weighted	0.016	0.007	0.016 (0.003, 0.029)	0.018	NA	NA
FVC	CUL3	cg06170657	6	Inverse variance weighted	-0.012	0.005	-0.012 (-0.022, -0.002)	0.021	-0.001	0.648
FVC	STXBP2	cg27508769	1	Wald ratio	-0.040	0.018	-0.040 (-0.075, -0.006)	0.022	NA	NA
FVC	AIM2	cg10636246	1	Wald ratio	0.020	0.009	0.020 (0.002, 0.039)	0.030	NA	NA
FVC	MTDH	cg21206266	1	Wald ratio	0.035	0.015	0.035 (0.005, 0.066)	0.023	NA	NA
FVC	GSDMC	cg26073844	1	Wald ratio	-0.029	0.013	-0.029 (-0.055, -0.003)	0.027	NA	NA
FVC	NACC2	cg13549345	1	Wald ratio	0.030	0.013	0.030 (0.003, 0.056)	0.027	NA	NA
FVC	PDHB	cg26110898	16	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.015)	0.014	0.003	0.132
FVC	LGALS3	cg09939831	1	Wald ratio	-0.041	0.018	-0.041 (-0.076, -0.006)	0.021	NA	NA
FVC	SLC39A14	cg15257755	5	Inverse variance weighted	0.012	0.004	0.012 (0.003, 0.020)	0.006	0.011	0.333
FVC	CYLD	cg20769774	1	Wald ratio	-0.042	0.018	-0.042 (-0.078, -0.006)	0.022	NA	NA
FVC	PDLIM1	cg10266121	1	Wald ratio	-0.019	0.009	-0.019 (-0.037, -0.002)	0.031	NA	NA
FVC	RALB	cg06876354	1	Wald ratio	-0.042	0.018	-0.042 (-0.078, -0.006)	0.023	NA	NA
FVC	SYNPO2	cg10320997	1	Wald ratio	0.041	0.018	0.041 (0.006, 0.077)	0.022	NA	NA
FVC	KDM1A	cg22683154	1	Wald ratio	-0.041	0.018	-0.041 (-0.076, -0.006)	0.023	NA	NA
FVC	RPTOR	cg06975080	9	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.015)	0.014	0.001	0.801
FVC	UCHL1	cg16026922	3	Inverse variance weighted	0.017	0.007	0.017 (0.003, 0.031)	0.017	-0.001	0.859
FVC	TERT	cg00728907	1	Wald ratio	-0.042	0.018	-0.042 (-0.078, -0.006)	0.023	NA	NA
FVC	DDIT3	cg08984436	1	Wald ratio	-0.023	0.010	-0.023 (-0.043, -0.003)	0.027	NA	NA
FVC	AP1M2	cg16589555	1	Wald ratio	0.029	0.013	0.029 (0.003, 0.055)	0.028	NA	NA
FVC	KIF25	cg21477075	6	Inverse variance weighted	-0.009	0.004	-0.009 (-0.018, -0.001)	0.032	-0.003	0.632
FVC	RALB	cg27505472	1	Wald ratio	-0.032	0.015	-0.032 (-0.061, -0.004)	0.027	NA	NA
FVC	ENO1	cg13785123	6	Inverse variance weighted	0.012	0.005	0.012 (0.003, 0.021)	0.006	0.005	0.325
FVC	SLC40A1	cg10752008	8	Inverse variance weighted	-0.010	0.003	-0.010 (-0.017, -0.004)	0.001	0.000	0.999
FVC	CHGA	cg16290737	5	Inverse variance weighted	-0.011	0.004	-0.011 (-0.018, -0.004)	0.002	-0.003	0.290
FVC	PLEKHM2	cg27534772	1	Wald ratio	0.021	0.010	0.021 (0.002, 0.041)	0.032	NA	NA
FVC	ALOX15	cg22280258	3	Inverse variance weighted	0.032	0.008	0.032 (0.016, 0.048)	9.39E-05	0.004	0.594
FVC	SH3BP4	cg04066885	4	Inverse variance weighted	-0.016	0.004	-0.016 (-0.024, -0.007)	5.23E-04	0.003	0.492
FVC	CHGA	cg00813752	4	Inverse variance weighted	-0.012	0.005	-0.012 (-0.021, -0.003)	0.007	0.000	0.957
FVC	TERT	cg00624418	1	Wald ratio	-0.039	0.018	-0.039 (-0.074, -0.005)	0.025	NA	NA
FVC	CLEC16A	cg26788616	1	Wald ratio	0.013	0.006	0.013 (0.001, 0.025)	0.038	NA	NA
FVC	SLC40A1	cg19075346	1	Wald ratio	0.013	0.006	0.013 (0.001, 0.025)	0.035	NA	NA
FVC	ATG7	cg25214561	6	Inverse variance weighted	0.014	0.004	0.014 (0.005, 0.022)	0.002	0.007	0.128
FVC	TNFRSF10C	cg08783300	1	Wald ratio	-0.037	0.016	-0.037 (-0.069, -0.005)	0.024	NA	NA
FVC	CSNK2A1	cg07789225	1	Wald ratio	-0.039	0.017	-0.039 (-0.073, -0.005)	0.024	NA	NA
FVC	SLC39A1;CRTC2	cg16262392	1	Wald ratio	-0.026	0.012	-0.026 (-0.050, -0.002)	0.031	NA	NA
FVC	AP1M2	cg23652172	1	Wald ratio	-0.038	0.017	-0.038 (-0.072, -0.005)	0.026	NA	NA
FVC	SLC39A11	cg14233847	1	Wald ratio	0.036	0.016	0.036 (0.004, 0.069)	0.027	NA	NA
FVC	UCHL1	cg16406708	1	Wald ratio	-0.039	0.018	-0.039 (-0.074, -0.005)	0.025	NA	NA
FVC	FHIT	cg03060986	1	Wald ratio	0.029	0.014	0.029 (0.003, 0.056)	0.030	NA	NA

FVC	OPTN	cg06091155	1	Wald ratio	-0.026	0.012	-0.026 (-0.050, -0.002)	0.031	NA	NA
FVC	PPM1F	cg24533864	2	Inverse variance weighted	-0.038	0.017	-0.038 (-0.071, -0.005)	0.025	NA	NA
FVC	SCOC	cg17933300	1	Wald ratio	-0.020	0.010	-0.020 (-0.039, -0.002)	0.034	NA	NA
FVC	YWHAZ	cg04962480	6	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.013)	0.030	-0.001	0.824
FVC	CDH1	cg26508465	2	Inverse variance weighted	0.022	0.010	0.022 (0.002, 0.041)	0.030	NA	NA
FVC	WWOX	cg08748098	1	Wald ratio	0.014	0.007	0.014 (0.001, 0.027)	0.035	NA	NA
FVC	ABL2	cg18433086	1	Wald ratio	-0.031	0.015	-0.031 (-0.060, -0.002)	0.034	NA	NA
FVC	FIS1	cg01299997	6	Inverse variance weighted	-0.011	0.005	-0.011 (-0.022, -0.001)	0.028	-0.005	0.174
FVC	IL6	cg17067544	1	Wald ratio	0.034	0.015	0.034 (0.003, 0.064)	0.029	NA	NA
FVC	ATP6V0A1	cg15269394	1	Wald ratio	-0.040	0.018	-0.040 (-0.074, -0.005)	0.026	NA	NA
FVC	HIP1	cg14177084	3	Inverse variance weighted	0.018	0.009	0.018 (0.000, 0.035)	0.044	-0.004	0.744
FVC	LIPA	cg13931663	2	Inverse variance weighted	-0.013	0.006	-0.013 (-0.024, -0.003)	0.015	NA	NA
FVC	SRC	cg08553950	1	Wald ratio	-0.037	0.017	-0.037 (-0.069, -0.004)	0.028	NA	NA
FVC	CSNK2A2	cg07377098	1	Wald ratio	-0.027	0.013	-0.027 (-0.052, -0.002)	0.033	NA	NA
FVC	SST	cg00481951	3	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.002)	0.017	-0.001	0.919
FVC	G0S2	cg14824901	1	Wald ratio	-0.030	0.014	-0.030 (-0.057, -0.002)	0.033	NA	NA
FVC	RPTOR	cg25288455	4	Inverse variance weighted	0.023	0.006	0.023 (0.011, 0.035)	1.73E-04	0.000	0.934
FVC	USP21;UFC1	cg01447427	1	Wald ratio	0.032	0.015	0.032 (0.003, 0.062)	0.032	NA	NA
FVC	UCHL1	cg24715245	2	Inverse variance weighted	0.024	0.011	0.024 (0.002, 0.046)	0.033	NA	NA
FVC	G0S2	cg08158408	1	Wald ratio	-0.024	0.011	-0.024 (-0.047, -0.002)	0.035	NA	NA
FVC	G0S2	cg27176828	1	Wald ratio	-0.032	0.015	-0.032 (-0.061, -0.003)	0.033	NA	NA
FVC	SST	cg25478614	3	Inverse variance weighted	-0.011	0.006	-0.011 (-0.022, -0.001)	0.040	0.003	0.629
FVC	ATP6V0A2	cg17306339	2	Inverse variance weighted	-0.021	0.008	-0.021 (-0.036, -0.006)	0.007	NA	NA
FVC	LAPTM5	cg17418085	1	Wald ratio	-0.031	0.015	-0.031 (-0.060, -0.003)	0.033	NA	NA
FVC	GATA4	cg22320962	1	Wald ratio	0.039	0.018	0.039 (0.004, 0.075)	0.029	NA	NA
FVC	RPTOR	cg25673241	5	Inverse variance weighted	0.021	0.006	0.021 (0.009, 0.033)	6.57E-04	-0.005	0.310
FVC	SLC26A1;IDUA	cg09153458	12	Inverse variance weighted	-0.011	0.003	-0.011 (-0.018, -0.004)	0.002	0.004	0.229
FVC	RPTOR	cg18091083	6	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.002)	0.008	0.000	0.871
FVC	IL6R	cg21262032	11	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.013)	0.028	-0.001	0.800
FVC	RPTOR	cg21507958	5	Inverse variance weighted	-0.010	0.004	-0.010 (-0.017, -0.003)	0.005	-0.002	0.499
FVC	MSX1	cg09573795	2	Inverse variance weighted	0.023	0.011	0.023 (0.001, 0.045)	0.044	NA	NA
FVC	HIP1	cg22605936	1	Wald ratio	-0.032	0.015	-0.032 (-0.061, -0.002)	0.034	NA	NA
FVC	PLEKHM2	cg09873284	1	Wald ratio	-0.030	0.014	-0.030 (-0.058, -0.002)	0.034	NA	NA
FVC	GATA2	cg13483882	4	Inverse variance weighted	-0.018	0.006	-0.018 (-0.029, -0.007)	0.001	0.006	0.533
FVC	CSNK2A2	cg15508020	1	Wald ratio	0.037	0.017	0.037 (0.003, 0.071)	0.035	NA	NA
FVC	PDLIM1	cg19190632	1	Wald ratio	0.024	0.012	0.024 (0.001, 0.047)	0.038	NA	NA
FVC	HIP1	cg05857060	1	Wald ratio	-0.026	0.013	-0.026 (-0.051, -0.002)	0.037	NA	NA
FVC	STK24	cg24044564	1	Wald ratio	0.013	0.007	0.013 (0.000, 0.026)	0.043	NA	NA
FVC	ATG7	cg16028117	19	Inverse variance weighted	0.005	0.002	0.005 (0.001, 0.010)	0.018	-0.001	0.667
FVC	CD300A	cg10953317	10	Inverse variance weighted	0.006	0.003	0.006 (0.001, 0.011)	0.030	-0.001	0.583
FVC	CD300A	cg24375215	10	Inverse variance weighted	0.005	0.002	0.005 (0.000, 0.010)	0.033	0.001	0.693
FVC	IDUA	cg05327835	1	Wald ratio	0.033	0.016	0.033 (0.002, 0.064)	0.035	NA	NA

FVC	G0S2	cg08185241	1	Wald ratio	-0.040	0.019	-0.040 (-0.076, -0.003)	0.033	NA	NA
FVC	RALB	cg15425061	5	Inverse variance weighted	0.009	0.005	0.009 (0.000, 0.018)	0.043	0.002	0.626
FVC	CFLAR	cg25051278	4	Inverse variance weighted	-0.014	0.006	-0.014 (-0.027, -0.002)	0.026	0.000	0.999
FVC	G0S2	cg06616057	1	Wald ratio	-0.040	0.019	-0.040 (-0.077, -0.003)	0.033	NA	NA
FVC	RPS27L	cg19279045	1	Wald ratio	-0.037	0.018	-0.037 (-0.072, -0.003)	0.033	NA	NA
FVC	IL6R	cg25135018	1	Wald ratio	0.023	0.011	0.023 (0.001, 0.045)	0.042	NA	NA
FVC	MAP3K5	cg16581840	1	Wald ratio	0.036	0.017	0.036 (0.003, 0.069)	0.034	NA	NA
FVC	NOS3	cg21932452	4	Inverse variance weighted	0.016	0.007	0.016 (0.003, 0.029)	0.016	0.014	0.177
FVC	PADI4	cg17785802	2	Inverse variance weighted	0.020	0.008	0.020 (0.003, 0.036)	0.018	NA	NA
FVC	SQSTM1	cg15960580	1	Wald ratio	-0.035	0.017	-0.035 (-0.069, -0.002)	0.037	NA	NA
FVC	CLNK	cg03485217	3	Inverse variance weighted	0.015	0.006	0.015 (0.003, 0.026)	0.015	0.004	0.745
FVC	HIP1	cg01621268	1	Wald ratio	-0.036	0.017	-0.036 (-0.069, -0.002)	0.037	NA	NA
FVC	TOP3A;SMCR8	cg02753233	1	Wald ratio	-0.035	0.017	-0.035 (-0.068, -0.002)	0.037	NA	NA
FVC	CHMP7	cg09098025	3	Inverse variance weighted	0.023	0.008	0.023 (0.006, 0.039)	0.006	0.007	0.792
FVC	ASAH1	cg23540819	7	Inverse variance weighted	-0.015	0.005	-0.015 (-0.026, -0.004)	0.007	-0.001	0.810
FEV1	TRIM27	cg23756442	3	Inverse variance weighted	0.072	0.030	0.072 (0.013, 0.132)	0.017	-0.006	0.873
FEV1	MCL1	cg13175981	16	Inverse variance weighted	-0.029	0.003	-0.029 (-0.034, -0.023)	1.30E-22	0.001	0.679
FEV1	STX4	cg07404961	4	Inverse variance weighted	-0.056	0.005	-0.056 (-0.067, -0.046)	1.71E-26	0.004	0.476
FEV1	PPT2	cg04536704	12	Inverse variance weighted	-0.058	0.009	-0.058 (-0.075, -0.041)	1.22E-11	-0.005	0.384
FEV1	PRRT1;PPT2	cg00403498	8	Inverse variance weighted	-0.053	0.023	-0.053 (-0.098, -0.009)	0.020	0.006	0.628
FEV1	IREB2	cg13714459	1	Wald ratio	-0.069	0.008	-0.069 (-0.085, -0.053)	8.80E-17	NA	NA
FEV1	STX4	cg06233904	1	Wald ratio	0.081	0.009	0.081 (0.063, 0.100)	4.45E-18	NA	NA
FEV1	MCL1	cg18016565	3	Inverse variance weighted	0.063	0.006	0.063 (0.050, 0.075)	2.23E-23	0.011	0.369
FEV1	PPT2;PRRT1	cg25426302	3	Inverse variance weighted	0.055	0.017	0.055 (0.021, 0.089)	0.002	-0.016	0.181
FEV1	IREB2	cg19941054	1	Wald ratio	-0.073	0.009	-0.073 (-0.090, -0.055)	3.35E-16	NA	NA
FEV1	CTSK	cg20802392	3	Inverse variance weighted	0.049	0.024	0.049 (0.003, 0.096)	0.036	-0.029	0.519
FEV1	PPT2;PRRT1	cg06814287	6	Inverse variance weighted	0.100	0.006	0.100 (0.088, 0.111)	9.41E-64	0.002	0.665
FEV1	PPT2	cg04877280	2	Inverse variance weighted	-0.088	0.009	-0.088 (-0.105, -0.071)	5.33E-24	NA	NA
FEV1	PPT2;PRRT1	cg23359665	1	Wald ratio	0.100	0.012	0.100 (0.076, 0.123)	2.17E-16	NA	NA
FEV1	STX4	cg08893833	1	Wald ratio	0.107	0.012	0.107 (0.083, 0.132)	4.45E-18	NA	NA
FEV1	PCGF2	cg02433498	1	Wald ratio	0.075	0.010	0.075 (0.055, 0.095)	3.01E-13	NA	NA
FEV1	PPT2;PRRT1	cg06108383	1	Wald ratio	0.102	0.012	0.102 (0.078, 0.127)	2.17E-16	NA	NA
FEV1	PPT2;PRRT1	cg02956248	1	Wald ratio	0.104	0.013	0.104 (0.079, 0.129)	2.17E-16	NA	NA
FEV1	MCL1	cg02961109	3	Inverse variance weighted	0.085	0.008	0.085 (0.069, 0.101)	3.38E-25	-0.010	0.486
FEV1	EYA2	cg26046136	1	Wald ratio	-0.078	0.011	-0.078 (-0.099, -0.057)	2.79E-13	NA	NA
FEV1	PPT2;PRRT1	cg17113856	1	Wald ratio	0.087	0.012	0.087 (0.064, 0.110)	9.02E-14	NA	NA
FEV1	TRIM27	cg27120125	2	Inverse variance weighted	0.151	0.054	0.151 (0.045, 0.257)	0.005	NA	NA
FEV1	ATP2A1	cg04414917	4	Inverse variance weighted	0.032	0.005	0.032 (0.022, 0.042)	8.46E-11	-0.002	0.552
FEV1	GPX1	cg07274523	6	Inverse variance weighted	0.034	0.007	0.034 (0.020, 0.048)	2.80E-06	0.007	0.262
FEV1	PPT2	cg27070869	1	Wald ratio	-0.123	0.015	-0.123 (-0.152, -0.094)	2.17E-16	NA	NA
FEV1	ERBB3	cg10869879	2	Inverse variance weighted	0.047	0.007	0.047 (0.032, 0.061)	1.93E-10	NA	NA
FEV1	ERBB3	cg23731805	1	Wald ratio	0.043	0.008	0.043 (0.028, 0.058)	1.35E-08	NA	NA

FEV1	PCGF2	cg18896448	1	Wald ratio	0.087	0.013	0.087 (0.062, 0.111)	3.89E-12	NA	NA
FEV1	CTSS	cg15900387	1	Wald ratio	0.104	0.014	0.104 (0.076, 0.131)	1.05E-13	NA	NA
FEV1	SLC30A2	cg01689405	1	Wald ratio	-0.062	0.010	-0.062 (-0.082, -0.042)	1.27E-09	NA	NA
FEV1	BCL2L1	cg13852791	19	Inverse variance weighted	-0.016	0.002	-0.016 (-0.021, -0.011)	3.66E-11	-0.001	0.518
FEV1	KDR	cg01340163	1	Wald ratio	-0.059	0.010	-0.059 (-0.079, -0.039)	5.26E-09	NA	NA
FEV1	ATP2A1	cg05966235	7	Inverse variance weighted	-0.013	0.004	-0.013 (-0.020, -0.005)	7.17E-04	0.004	0.139
FEV1	NUPR1	cg01803679	4	Inverse variance weighted	0.022	0.010	0.022 (0.002, 0.042)	0.031	-0.003	0.809
FEV1	CAPZB	cg17081867	2	Inverse variance weighted	-0.044	0.019	-0.044 (-0.082, -0.006)	0.024	NA	NA
FEV1	ORMDL3	cg18711369	14	Inverse variance weighted	0.016	0.004	0.016 (0.007, 0.025)	2.53E-04	-0.001	0.902
FEV1	ORMDL3	cg10909506	17	Inverse variance weighted	0.014	0.004	0.014 (0.006, 0.023)	9.21E-04	-0.001	0.909
FEV1	NEU1	cg13634177	1	Wald ratio	0.164	0.018	0.164 (0.128, 0.199)	1.17E-19	NA	NA
FEV1	WNT4	cg25011003	2	Inverse variance weighted	0.046	0.009	0.046 (0.029, 0.063)	1.05E-07	NA	NA
FEV1	PPT2;PRRT1	cg12883279	1	Wald ratio	0.130	0.016	0.130 (0.097, 0.162)	2.44E-15	NA	NA
FEV1	HSP90AA1	cg02017208	7	Inverse variance weighted	-0.022	0.004	-0.022 (-0.029, -0.014)	4.76E-09	0.003	0.581
FEV1	PPT2;PRRT1	cg13934406	1	Wald ratio	0.117	0.016	0.117 (0.085, 0.148)	3.52E-13	NA	NA
FEV1	NEU1	cg27645345	1	Wald ratio	0.167	0.020	0.167 (0.128, 0.205)	4.09E-17	NA	NA
FEV1	CLEC16A	cg10390979	1	Wald ratio	-0.050	0.009	-0.050 (-0.069, -0.032)	8.45E-08	NA	NA
FEV1	ORMDL3	cg22144450	9	Inverse variance weighted	0.021	0.007	0.021 (0.006, 0.036)	0.005	0.000	0.955
FEV1	PPT2;PRRT1	cg06025456	1	Wald ratio	0.123	0.017	0.123 (0.091, 0.156)	1.43E-13	NA	NA
FEV1	NUPR1	cg01542023	3	Inverse variance weighted	0.023	0.009	0.023 (0.006, 0.041)	0.009	-0.007	0.259
FEV1	NUPR1	cg05590982	1	Wald ratio	-0.071	0.012	-0.071 (-0.095, -0.047)	5.67E-09	NA	NA
FEV1	GSDMB	cg10057218	8	Inverse variance weighted	0.020	0.007	0.020 (0.008, 0.033)	0.002	-0.001	0.888
FEV1	WNT4	cg15582954	2	Inverse variance weighted	0.055	0.009	0.055 (0.038, 0.072)	1.54E-10	NA	NA
FEV1	PPT2;PRRT1	cg10551329	1	Wald ratio	0.149	0.018	0.149 (0.113, 0.184)	2.17E-16	NA	NA
FEV1	CAPZB	cg23519022	2	Inverse variance weighted	0.060	0.009	0.060 (0.043, 0.078)	4.63E-12	NA	NA
FEV1	FGF10	cg16536718	1	Wald ratio	0.080	0.013	0.080 (0.054, 0.106)	2.44E-09	NA	NA
FEV1	WWOX	cg10001715	7	Inverse variance weighted	-0.022	0.006	-0.022 (-0.034, -0.011)	1.11E-04	-0.007	0.120
FEV1	CD164	cg08222271	1	Wald ratio	0.046	0.009	0.046 (0.028, 0.063)	2.98E-07	NA	NA
FEV1	TPCN2	cg18503234	1	Wald ratio	0.066	0.012	0.066 (0.042, 0.089)	4.72E-08	NA	NA
FEV1	GSDMB	cg27435903	3	Inverse variance weighted	-0.024	0.006	-0.024 (-0.035, -0.013)	2.57E-05	0.000	0.979
FEV1	ERBB3	cg00907267	1	Wald ratio	0.076	0.013	0.076 (0.050, 0.102)	8.41E-09	NA	NA
FEV1	JMY	cg24856658	1	Wald ratio	-0.043	0.009	-0.043 (-0.061, -0.025)	1.65E-06	NA	NA
FEV1	CD14	cg09824255	2	Inverse variance weighted	0.067	0.017	0.067 (0.034, 0.100)	7.32E-05	NA	NA
FEV1	TMBIM6	cg20471783	7	Inverse variance weighted	0.020	0.003	0.020 (0.014, 0.027)	3.27E-10	0.005	0.213
FEV1	OTUB1	cg12836303	5	Inverse variance weighted	-0.017	0.004	-0.017 (-0.024, -0.010)	1.40E-06	0.002	0.465
FEV1	SFN	cg13235717	1	Wald ratio	-0.048	0.010	-0.048 (-0.068, -0.029)	1.31E-06	NA	NA
FEV1	MUC1	cg22500132	1	Wald ratio	-0.061	0.012	-0.061 (-0.084, -0.037)	2.89E-07	NA	NA
FEV1	HSP90AA1	cg11789371	1	Wald ratio	0.055	0.011	0.055 (0.033, 0.077)	9.15E-07	NA	NA
FEV1	CAPZB	cg13319175	1	Wald ratio	-0.095	0.016	-0.095 (-0.126, -0.064)	3.06E-09	NA	NA
FEV1	ERBB3	cg17843101	1	Wald ratio	-0.057	0.012	-0.057 (-0.080, -0.034)	8.80E-07	NA	NA
FEV1	CSF2	cg16465129	2	Inverse variance weighted	-0.041	0.019	-0.041 (-0.078, -0.003)	0.034	NA	NA
FEV1	CSF2	cg16565692	1	Wald ratio	-0.047	0.010	-0.047 (-0.067, -0.028)	2.50E-06	NA	NA

FEV1	HIP1R	cg19340625	3	Inverse variance weighted	-0.024	0.008	-0.024 (-0.040, -0.009)	0.002	-0.002	0.906
FEV1	CUL3	cg06867755	10	Inverse variance weighted	-0.021	0.005	-0.021 (-0.031, -0.011)	1.99E-05	-0.005	0.158
FEV1	SFRP1	cg14904908	1	Wald ratio	-0.047	0.010	-0.047 (-0.067, -0.028)	2.03E-06	NA	NA
FEV1	MUL1	cg26370078	14	Inverse variance weighted	-0.013	0.003	-0.013 (-0.020, -0.006)	2.11E-04	-0.002	0.333
FEV1	ATP2A1	cg27473355	1	Wald ratio	-0.063	0.013	-0.063 (-0.089, -0.037)	1.94E-06	NA	NA
FEV1	FAIM	cg17462391	2	Inverse variance weighted	0.035	0.008	0.035 (0.020, 0.051)	7.04E-06	NA	NA
FEV1	CAPZB	cg13100118	1	Wald ratio	-0.073	0.014	-0.073 (-0.101, -0.046)	2.38E-07	NA	NA
FEV1	MUC1	cg22531371	1	Wald ratio	-0.079	0.015	-0.079 (-0.108, -0.050)	8.90E-08	NA	NA
FEV1	NFATC4	cg06993714	6	Inverse variance weighted	-0.018	0.007	-0.018 (-0.031, -0.005)	0.006	0.005	0.581
FEV1	TGFB2	cg20991819	1	Wald ratio	-0.096	0.017	-0.096 (-0.129, -0.063)	1.00E-08	NA	NA
FEV1	TRAP1	cg04439028	1	Wald ratio	0.077	0.015	0.077 (0.048, 0.106)	1.99E-07	NA	NA
FEV1	GATA4	cg01546563	6	Inverse variance weighted	-0.022	0.007	-0.022 (-0.035, -0.009)	0.001	0.004	0.355
FEV1	KDR	cg25444386	1	Wald ratio	-0.104	0.018	-0.104 (-0.139, -0.069)	5.26E-09	NA	NA
FEV1	GSDMC	cg23990303	1	Wald ratio	-0.036	0.008	-0.036 (-0.053, -0.020)	1.67E-05	NA	NA
FEV1	GSDMA	cg08995595	1	Wald ratio	0.051	0.011	0.051 (0.029, 0.074)	7.53E-06	NA	NA
FEV1	MEFV	cg03919650	1	Wald ratio	0.037	0.009	0.037 (0.020, 0.053)	2.42E-05	NA	NA
FEV1	SFRP1	cg07935886	1	Wald ratio	-0.065	0.013	-0.065 (-0.091, -0.039)	1.34E-06	NA	NA
FEV1	FEZ1	cg12906303	8	Inverse variance weighted	0.019	0.003	0.019 (0.012, 0.025)	2.39E-08	-0.001	0.768
FEV1	AP1M2	cg26292442	1	Wald ratio	0.096	0.018	0.096 (0.062, 0.131)	4.81E-08	NA	NA
FEV1	NFATC4	cg14058476	2	Inverse variance weighted	-0.036	0.011	-0.036 (-0.057, -0.014)	0.001	NA	NA
FEV1	TBXAS1;HIPK2	cg00445997	1	Wald ratio	-0.048	0.011	-0.048 (-0.070, -0.026)	1.47E-05	NA	NA
FEV1	MEFV	cg05554494	1	Wald ratio	0.029	0.007	0.029 (0.015, 0.043)	4.62E-05	NA	NA
FEV1	CDKN2D	cg04833646	14	Inverse variance weighted	-0.016	0.004	-0.016 (-0.023, -0.008)	3.22E-05	-0.004	0.069
FEV1	TBXAS1;HIPK2	cg26407309	1	Wald ratio	-0.047	0.011	-0.047 (-0.068, -0.025)	1.98E-05	NA	NA
FEV1	RAF1	cg13703021	1	Wald ratio	-0.040	0.010	-0.040 (-0.058, -0.021)	3.18E-05	NA	NA
FEV1	HIP1R	cg08756735	1	Wald ratio	-0.052	0.012	-0.052 (-0.074, -0.029)	9.02E-06	NA	NA
FEV1	FEZ1	cg18436735	4	Inverse variance weighted	0.025	0.007	0.025 (0.011, 0.038)	4.18E-04	0.001	0.930
FEV1	CD14	cg08830139	1	Wald ratio	0.078	0.016	0.078 (0.047, 0.110)	1.19E-06	NA	NA
FEV1	DDIT4	cg01839993	1	Wald ratio	0.050	0.012	0.050 (0.027, 0.072)	1.77E-05	NA	NA
FEV1	FEZ1	cg01460481	7	Inverse variance weighted	0.018	0.004	0.018 (0.011, 0.025)	5.22E-07	0.000	0.857
FEV1	SFRP1	cg01074584	1	Wald ratio	-0.072	0.015	-0.072 (-0.101, -0.043)	1.34E-06	NA	NA
FEV1	SMPD1	cg18477969	2	Inverse variance weighted	-0.014	0.004	-0.014 (-0.022, -0.006)	7.49E-04	NA	NA
FEV1	SFRP1	cg03133371	1	Wald ratio	-0.069	0.015	-0.069 (-0.098, -0.041)	2.03E-06	NA	NA
FEV1	SNORD71;AP1G1	cg03540912	7	Inverse variance weighted	0.021	0.004	0.021 (0.014, 0.028)	9.77E-09	0.003	0.319
FEV1	FTH1	cg01209023	2	Inverse variance weighted	-0.026	0.008	-0.026 (-0.043, -0.010)	0.002	NA	NA
FEV1	SFRP2	cg20727217	1	Wald ratio	-0.051	0.012	-0.051 (-0.075, -0.027)	2.42E-05	NA	NA
FEV1	AP1M2	cg11657665	6	Inverse variance weighted	-0.013	0.005	-0.013 (-0.023, -0.003)	0.013	0.004	0.421
FEV1	AP1M2	cg14985481	2	Inverse variance weighted	0.037	0.008	0.037 (0.021, 0.054)	1.03E-05	NA	NA
FEV1	FTH1	cg02315732	2	Inverse variance weighted	-0.030	0.007	-0.030 (-0.043, -0.016)	1.64E-05	NA	NA
FEV1	SFRP2	cg24241928	1	Wald ratio	-0.034	0.009	-0.034 (-0.051, -0.017)	8.64E-05	NA	NA
FEV1	ATP2A3	cg01703329	3	Inverse variance weighted	0.020	0.005	0.020 (0.011, 0.030)	3.96E-05	-0.001	0.746
FEV1	JMY	cg09228878	1	Wald ratio	0.075	0.016	0.075 (0.044, 0.106)	2.50E-06	NA	NA

FEV1	AP1M2	cg26999505	2	Inverse variance weighted	0.031	0.007	0.031 (0.017, 0.045)	1.20E-05	NA	NA
FEV1	SFRP1	cg00000321	1	Wald ratio	-0.078	0.016	-0.078 (-0.110, -0.046)	1.34E-06	NA	NA
FEV1	ATP2A1	cg08213689	1	Wald ratio	-0.080	0.017	-0.080 (-0.113, -0.046)	3.06E-06	NA	NA
FEV1	DCC	cg25602457	1	Wald ratio	-0.027	0.007	-0.027 (-0.041, -0.013)	1.45E-04	NA	NA
FEV1	ICAM4;ICAM1	cg00500176	7	Inverse variance weighted	-0.020	0.004	-0.020 (-0.027, -0.012)	5.39E-07	-0.002	0.485
FEV1	AP3D1	cg09261902	3	Inverse variance weighted	-0.013	0.004	-0.013 (-0.020, -0.006)	4.07E-04	-0.006	0.427
FEV1	SFRP1	cg10406295	1	Wald ratio	-0.081	0.017	-0.081 (-0.114, -0.048)	1.65E-06	NA	NA
FEV1	LTBR	cg24621362	1	Wald ratio	0.028	0.008	0.028 (0.013, 0.043)	1.91E-04	NA	NA
FEV1	AP3D1	cg19290738	12	Inverse variance weighted	-0.006	0.003	-0.006 (-0.011, -0.000)	0.047	0.001	0.705
FEV1	USP47	cg24383467	10	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.017)	0.005	-0.002	0.365
FEV1	LTBR	cg19476647	1	Wald ratio	0.033	0.009	0.033 (0.016, 0.050)	1.91E-04	NA	NA
FEV1	HIPK2	cg03224163	1	Wald ratio	-0.071	0.016	-0.071 (-0.103, -0.039)	1.47E-05	NA	NA
FEV1	FOXO1	cg10696351	9	Inverse variance weighted	0.014	0.003	0.014 (0.007, 0.020)	2.83E-05	0.002	0.555
FEV1	WNT4	cg00356045	1	Wald ratio	0.059	0.014	0.059 (0.031, 0.087)	4.19E-05	NA	NA
FEV1	NEU1;SLC44A4	cg21116447	1	Wald ratio	-0.050	0.013	-0.050 (-0.075, -0.025)	9.33E-05	NA	NA
FEV1	MIA	cg24083702	4	Inverse variance weighted	-0.015	0.006	-0.015 (-0.027, -0.003)	0.012	0.004	0.359
FEV1	TPCN2	cg22484980	1	Wald ratio	0.061	0.015	0.061 (0.032, 0.090)	3.87E-05	NA	NA
FEV1	CRADD	cg23535137	1	Wald ratio	0.050	0.013	0.050 (0.025, 0.075)	1.07E-04	NA	NA
FEV1	SFRP2	cg23207990	2	Inverse variance weighted	0.035	0.017	0.035 (0.001, 0.069)	0.041	NA	NA
FEV1	SFRP2	cg21630608	1	Wald ratio	-0.046	0.012	-0.046 (-0.069, -0.022)	1.36E-04	NA	NA
FEV1	FOXO1	cg21288729	11	Inverse variance weighted	-0.012	0.002	-0.012 (-0.016, -0.007)	2.97E-07	0.001	0.693
FEV1	GLS	cg21497043	1	Wald ratio	0.033	0.009	0.033 (0.015, 0.051)	2.89E-04	NA	NA
FEV1	DCC	cg25818763	1	Wald ratio	0.052	0.013	0.052 (0.026, 0.078)	1.04E-04	NA	NA
FEV1	GATA4	cg18283386	1	Wald ratio	-0.047	0.012	-0.047 (-0.071, -0.023)	1.31E-04	NA	NA
FEV1	SFRP2	cg23121156	2	Inverse variance weighted	0.040	0.016	0.040 (0.009, 0.071)	0.011	NA	NA
FEV1	SLC39A4	cg03453890	1	Wald ratio	0.022	0.006	0.022 (0.010, 0.034)	4.65E-04	NA	NA
FEV1	AP4E1	cg09951650	4	Inverse variance weighted	0.024	0.007	0.024 (0.011, 0.038)	3.70E-04	0.001	0.906
FEV1	RPS27L	cg23837188	2	Inverse variance weighted	0.023	0.006	0.023 (0.011, 0.034)	2.08E-04	NA	NA
FEV1	AP3D1	cg17656426	6	Inverse variance weighted	-0.015	0.007	-0.015 (-0.028, -0.002)	0.023	0.000	0.980
FEV1	GFAP	cg07918341	1	Wald ratio	-0.058	0.015	-0.058 (-0.087, -0.029)	8.17E-05	NA	NA
FEV1	CS	cg26714650	8	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.003)	0.004	0.003	0.192
FEV1	SFRP2	cg05241277	1	Wald ratio	-0.044	0.012	-0.044 (-0.067, -0.020)	2.12E-04	NA	NA
FEV1	ICAM1	cg24354612	1	Wald ratio	-0.046	0.012	-0.046 (-0.071, -0.022)	1.99E-04	NA	NA
FEV1	SFRP2	cg07999845	1	Wald ratio	-0.062	0.016	-0.062 (-0.093, -0.031)	8.64E-05	NA	NA
FEV1	FOXO1	cg09792463	3	Inverse variance weighted	0.020	0.006	0.020 (0.008, 0.032)	6.64E-04	-0.005	0.415
FEV1	SLC39A4	cg18246227	1	Wald ratio	-0.030	0.009	-0.030 (-0.047, -0.013)	4.65E-04	NA	NA
FEV1	SFRP2	cg04959480	1	Wald ratio	-0.048	0.013	-0.048 (-0.074, -0.023)	2.12E-04	NA	NA
FEV1	CTTN	cg05226335	12	Inverse variance weighted	-0.006	0.003	-0.006 (-0.011, -0.001)	0.017	0.003	0.161
FEV1	DCC	cg00399483	5	Inverse variance weighted	-0.020	0.006	-0.020 (-0.031, -0.009)	2.70E-04	-0.005	0.238
FEV1	CTTN	cg13802316	11	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.002)	0.007	-0.003	0.297
FEV1	CTTN	cg27326318	1	Wald ratio	-0.040	0.011	-0.040 (-0.061, -0.018)	3.55E-04	NA	NA
FEV1	CS	cg26734620	3	Inverse variance weighted	0.023	0.006	0.023 (0.011, 0.035)	2.35E-04	0.000	0.966

FEV1	HIPK2	cg03369382	1	Wald ratio	-0.075	0.018	-0.075 (-0.111, -0.040)	3.58E-05	NA	NA
FEV1	ITGAM	cg09326409	1	Wald ratio	-0.055	0.015	-0.055 (-0.084, -0.026)	1.70E-04	NA	NA
FEV1	SYNPO2	cg14717666	16	Inverse variance weighted	-0.010	0.003	-0.010 (-0.015, -0.005)	2.56E-04	-0.001	0.681
FEV1	GFAP	cg18208742	1	Wald ratio	-0.058	0.015	-0.058 (-0.088, -0.029)	1.21E-04	NA	NA
FEV1	AP4E1	cg02338191	1	Wald ratio	0.036	0.010	0.036 (0.016, 0.057)	4.96E-04	NA	NA
FEV1	GSDMB	cg12360886	1	Wald ratio	0.071	0.018	0.071 (0.037, 0.106)	5.27E-05	NA	NA
FEV1	HYAL1	cg04380576	1	Wald ratio	-0.050	0.013	-0.050 (-0.075, -0.025)	9.21E-05	NA	NA
FEV1	TNF	cg12681001	1	Wald ratio	-0.067	0.017	-0.067 (-0.100, -0.033)	9.33E-05	NA	NA
FEV1	SQSTM1;MGAT4B	cg06589507	1	Wald ratio	-0.069	0.017	-0.069 (-0.103, -0.035)	5.57E-05	NA	NA
FEV1	LEP	cg25435800	1	Wald ratio	0.057	0.015	0.057 (0.027, 0.086)	1.77E-04	NA	NA
FEV1	FOXO1	cg14168545	1	Wald ratio	-0.038	0.011	-0.038 (-0.059, -0.016)	6.74E-04	NA	NA
FEV1	CTSF	cg23230554	4	Inverse variance weighted	-0.033	0.006	-0.033 (-0.045, -0.022)	4.42E-09	-0.001	0.810
FEV1	WAC	cg24792245	3	Inverse variance weighted	0.024	0.006	0.024 (0.013, 0.035)	1.94E-05	0.002	0.673
FEV1	USP13	cg05726764	17	Inverse variance weighted	0.009	0.002	0.009 (0.005, 0.014)	6.76E-06	0.001	0.701
FEV1	DCC	cg20917891	1	Wald ratio	-0.027	0.008	-0.027 (-0.043, -0.011)	7.38E-04	NA	NA
FEV1	LTBR	cg23079808	2	Inverse variance weighted	0.017	0.005	0.017 (0.007, 0.027)	9.80E-04	NA	NA
FEV1	UNC5B	cg19673155	1	Wald ratio	0.039	0.011	0.039 (0.017, 0.061)	5.01E-04	NA	NA
FEV1	TP53INP1	cg26343298	14	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.018)	0.006	-0.002	0.438
FEV1	KIF1B	cg11342332	3	Inverse variance weighted	0.045	0.009	0.045 (0.027, 0.063)	5.69E-07	-0.003	0.724
FEV1	CARS	cg20324356	3	Inverse variance weighted	-0.025	0.008	-0.025 (-0.041, -0.008)	0.004	-0.007	0.539
FEV1	SYNPO2	cg12973294	9	Inverse variance weighted	-0.014	0.004	-0.014 (-0.021, -0.007)	9.63E-05	-0.001	0.726
FEV1	CLEC16A	cg06150195	1	Wald ratio	0.030	0.009	0.030 (0.013, 0.048)	7.82E-04	NA	NA
FEV1	KDM4A	cg19743044	10	Inverse variance weighted	0.009	0.003	0.009 (0.004, 0.014)	8.68E-04	-0.001	0.658
FEV1	BLK	cg24861686	13	Inverse variance weighted	0.021	0.004	0.021 (0.012, 0.029)	1.19E-06	0.001	0.722
FEV1	KIF1B	cg26247646	3	Inverse variance weighted	0.018	0.005	0.018 (0.008, 0.028)	3.37E-04	-0.001	0.798
FEV1	PARK7	cg00042356	7	Inverse variance weighted	-0.015	0.004	-0.015 (-0.022, -0.007)	9.45E-05	0.000	0.893
FEV1	DCC	cg18841634	1	Wald ratio	0.032	0.009	0.032 (0.013, 0.051)	7.38E-04	NA	NA
FEV1	CTTN	cg09869226	1	Wald ratio	-0.023	0.007	-0.023 (-0.036, -0.009)	9.96E-04	NA	NA
FEV1	SFRP2	cg22178613	6	Inverse variance weighted	0.014	0.004	0.014 (0.007, 0.022)	2.54E-04	-0.004	0.284
FEV1	KIF1B	cg11399195	2	Inverse variance weighted	0.020	0.006	0.020 (0.008, 0.031)	7.05E-04	NA	NA
FEV1	KIF1B	cg03517919	2	Inverse variance weighted	-0.023	0.006	-0.023 (-0.035, -0.012)	5.98E-05	NA	NA
FEV1	CBL	cg22414151	1	Wald ratio	-0.024	0.007	-0.024 (-0.038, -0.010)	9.91E-04	NA	NA
FEV1	RHEB	cg02506984	1	Wald ratio	-0.042	0.012	-0.042 (-0.066, -0.018)	5.05E-04	NA	NA
FEV1	THBS1	cg25503381	3	Inverse variance weighted	0.030	0.008	0.030 (0.014, 0.046)	3.33E-04	-0.006	0.493
FEV1	DDIT4	cg20897136	1	Wald ratio	0.061	0.016	0.061 (0.029, 0.093)	1.77E-04	NA	NA
FEV1	FER	cg16174681	2	Inverse variance weighted	0.027	0.007	0.027 (0.013, 0.041)	2.27E-04	NA	NA
FEV1	SLC39A4	cg05574324	2	Inverse variance weighted	0.050	0.010	0.050 (0.030, 0.069)	5.06E-07	NA	NA
FEV1	CTTN	cg13414679	2	Inverse variance weighted	0.031	0.013	0.031 (0.006, 0.055)	0.014	NA	NA
FEV1	RHEB	cg03323794	1	Wald ratio	-0.049	0.014	-0.049 (-0.076, -0.022)	4.29E-04	NA	NA
FEV1	CHGA	cg23013853	8	Inverse variance weighted	-0.013	0.005	-0.013 (-0.022, -0.003)	0.009	0.000	0.920
FEV1	ZBTB22;DAXX	cg10585379	1	Wald ratio	-0.052	0.015	-0.052 (-0.081, -0.024)	3.71E-04	NA	NA
FEV1	SFRP2	cg05774801	1	Wald ratio	0.049	0.014	0.049 (0.022, 0.076)	4.29E-04	NA	NA

FEV1	GALNS;TRAPPC2L	cg16688112	2	Inverse variance weighted	-0.040	0.010	-0.040 (-0.059, -0.022)	2.61E-05	NA	NA
FEV1	CS	cg24498746	2	Inverse variance weighted	-0.027	0.010	-0.027 (-0.046, -0.008)	0.005	NA	NA
FEV1	DDIT4	cg10592592	1	Wald ratio	0.064	0.017	0.064 (0.031, 0.097)	1.77E-04	NA	NA
FEV1	SFRP2	cg03202804	1	Wald ratio	0.032	0.010	0.032 (0.013, 0.052)	9.52E-04	NA	NA
FEV1	MTMR9	cg06240162	1	Wald ratio	-0.055	0.015	-0.055 (-0.084, -0.025)	2.60E-04	NA	NA
FEV1	SFRP2	cg23910835	1	Wald ratio	-0.070	0.018	-0.070 (-0.105, -0.034)	1.36E-04	NA	NA
FEV1	SLC39A4	cg04600798	1	Wald ratio	0.050	0.014	0.050 (0.022, 0.079)	4.27E-04	NA	NA
FEV1	FEZ2	cg24860371	1	Wald ratio	-0.043	0.013	-0.043 (-0.068, -0.018)	6.34E-04	NA	NA
FEV1	FOXO1	cg11244402	1	Wald ratio	0.022	0.007	0.022 (0.009, 0.036)	0.001	NA	NA
FEV1	IL6	cg01770232	4	Inverse variance weighted	0.015	0.005	0.015 (0.005, 0.025)	0.002	0.002	0.605
FEV1	CYP1B1	cg07380506	13	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.011)	2.24E-04	0.000	0.836
FEV1	SLC39A4	cg08969922	1	Wald ratio	0.058	0.016	0.058 (0.027, 0.090)	3.08E-04	NA	NA
FEV1	PARK7	cg10385390	3	Inverse variance weighted	0.018	0.008	0.018 (0.003, 0.033)	0.021	-0.004	0.682
FEV1	BLK	cg04335815	3	Inverse variance weighted	0.022	0.007	0.022 (0.009, 0.035)	8.36E-04	-0.028	0.402
FEV1	AKT1	cg26023960	3	Inverse variance weighted	0.017	0.004	0.017 (0.010, 0.025)	3.98E-06	0.004	0.558
FEV1	IL10	cg17067005	1	Wald ratio	-0.042	0.012	-0.042 (-0.066, -0.017)	7.88E-04	NA	NA
FEV1	CTTN	cg16061668	1	Wald ratio	-0.038	0.011	-0.038 (-0.060, -0.015)	9.32E-04	NA	NA
FEV1	DCC	cg21623566	1	Wald ratio	-0.060	0.017	-0.060 (-0.092, -0.027)	3.18E-04	NA	NA
FEV1	KIF1B	cg19092837	3	Inverse variance weighted	0.037	0.008	0.037 (0.022, 0.052)	1.60E-06	0.000	0.976
FEV1	WWOX	cg01365766	1	Wald ratio	-0.058	0.016	-0.058 (-0.090, -0.026)	3.92E-04	NA	NA
FEV1	STAT1	cg18766080	1	Wald ratio	0.067	0.018	0.067 (0.031, 0.102)	2.09E-04	NA	NA
FEV1	KIF1B	cg11802797	2	Inverse variance weighted	-0.034	0.009	-0.034 (-0.051, -0.017)	8.34E-05	NA	NA
FEV1	CDKN2D	cg08312369	1	Wald ratio	0.061	0.017	0.061 (0.028, 0.094)	2.80E-04	NA	NA
FEV1	SPTLC1	cg01248375	4	Inverse variance weighted	0.030	0.010	0.030 (0.011, 0.049)	0.002	0.009	0.366
FEV1	AP3D1	cg21414902	1	Wald ratio	0.047	0.014	0.047 (0.020, 0.075)	8.58E-04	NA	NA
FEV1	FZD5	cg19744498	3	Inverse variance weighted	0.011	0.003	0.011 (0.004, 0.017)	0.001	0.000	0.895
FEV1	FER	cg11403831	1	Wald ratio	-0.038	0.012	-0.038 (-0.061, -0.016)	9.35E-04	NA	NA
FEV1	CTTN	cg14191688	1	Wald ratio	-0.026	0.008	-0.026 (-0.042, -0.010)	0.002	NA	NA
FEV1	FZD5	cg19957162	5	Inverse variance weighted	0.012	0.003	0.012 (0.006, 0.019)	2.37E-04	0.001	0.541
FEV1	ARSB	cg01026730	12	Inverse variance weighted	-0.012	0.003	-0.012 (-0.018, -0.005)	3.15E-04	-0.004	0.133
FEV1	IL6	cg02335517	1	Wald ratio	0.045	0.013	0.045 (0.019, 0.071)	7.38E-04	NA	NA
FEV1	SLC38A9	cg07262873	1	Wald ratio	0.047	0.014	0.047 (0.020, 0.075)	6.74E-04	NA	NA
FEV1	INF2	cg23998240	2	Inverse variance weighted	-0.019	0.005	-0.019 (-0.029, -0.009)	3.13E-04	NA	NA
FEV1	PDCD6	cg20990478	1	Wald ratio	-0.035	0.011	-0.035 (-0.056, -0.014)	0.001	NA	NA
FEV1	BOK	cg22999099	10	Inverse variance weighted	0.013	0.004	0.013 (0.005, 0.021)	0.001	0.004	0.273
FEV1	CHGA	cg16290737	5	Inverse variance weighted	-0.016	0.006	-0.016 (-0.028, -0.004)	0.011	-0.006	0.260
FEV1	FZD5	cg15714846	2	Inverse variance weighted	0.020	0.006	0.020 (0.008, 0.032)	1.00E-03	NA	NA
FEV1	PYCARD	cg00327577	1	Wald ratio	0.062	0.017	0.062 (0.029, 0.096)	2.33E-04	NA	NA
FEV1	USP10	cg07647771	11	Inverse variance weighted	0.007	0.002	0.007 (0.004, 0.011)	5.70E-05	0.000	0.779
FEV1	RAF1	cg12173506	1	Wald ratio	0.066	0.018	0.066 (0.030, 0.101)	2.84E-04	NA	NA
FEV1	GALNS	cg02669544	1	Wald ratio	-0.027	0.008	-0.027 (-0.043, -0.012)	6.88E-04	NA	NA
FEV1	CHGA	cg00813752	4	Inverse variance weighted	-0.018	0.005	-0.018 (-0.027, -0.009)	4.96E-05	-0.002	0.687

FEV1	THBS1	cg10576133	1	Wald ratio	0.052	0.015	0.052 (0.022, 0.082)	6.07E-04	NA	NA
FEV1	FZD5	cg15262317	3	Inverse variance weighted	-0.025	0.006	-0.025 (-0.037, -0.012)	8.11E-05	-0.001	0.853
FEV1	IL6	cg07998387	2	Inverse variance weighted	0.032	0.008	0.032 (0.017, 0.047)	4.26E-05	NA	NA
FEV1	SFRP1	cg14824386	1	Wald ratio	-0.050	0.015	-0.050 (-0.079, -0.021)	6.34E-04	NA	NA
FEV1	FAIM	cg06309968	1	Wald ratio	0.048	0.014	0.048 (0.020, 0.077)	8.58E-04	NA	NA
FEV1	SLC39A11	cg15391883	1	Wald ratio	0.017	0.006	0.017 (0.006, 0.028)	0.002	NA	NA
FEV1	SOD2	cg13221458	13	Inverse variance weighted	0.006	0.002	0.006 (0.001, 0.011)	0.022	-0.003	0.326
FEV1	SCOC	cg02182440	1	Wald ratio	-0.053	0.016	-0.053 (-0.084, -0.023)	6.50E-04	NA	NA
FEV1	UNC5B	cg11224737	1	Wald ratio	-0.032	0.010	-0.032 (-0.052, -0.012)	0.002	NA	NA
FEV1	SFRP2	cg11354906	1	Wald ratio	0.037	0.018	0.037 (0.001, 0.072)	0.041	NA	NA
FEV1	FZD5	cg05774672	2	Inverse variance weighted	0.022	0.007	0.022 (0.009, 0.035)	0.001	NA	NA
FEV1	HSP90AA1	cg23904247	1	Wald ratio	0.044	0.014	0.044 (0.017, 0.070)	0.001	NA	NA
FEV1	DEF8	cg04591799	4	Inverse variance weighted	-0.028	0.006	-0.028 (-0.041, -0.016)	7.86E-06	-0.002	0.652
FEV1	CTTN	cg02011981	1	Wald ratio	-0.060	0.017	-0.060 (-0.094, -0.026)	5.72E-04	NA	NA
FEV1	SIVA1	cg10285897	1	Wald ratio	0.042	0.013	0.042 (0.016, 0.069)	0.001	NA	NA
FEV1	SNCA	cg08767460	22	Inverse variance weighted	0.007	0.002	0.007 (0.004, 0.010)	2.25E-05	0.000	0.947
FEV1	CTTN	cg25587405	1	Wald ratio	-0.060	0.018	-0.060 (-0.095, -0.026)	6.56E-04	NA	NA
FEV1	POU4F2	cg25406138	1	Wald ratio	-0.043	0.013	-0.043 (-0.069, -0.016)	0.002	NA	NA
FEV1	GATA4	cg23972785	10	Inverse variance weighted	0.013	0.003	0.013 (0.007, 0.019)	8.75E-06	-0.007	0.137
FEV1	CTTN	cg22720428	1	Wald ratio	-0.061	0.018	-0.061 (-0.096, -0.026)	6.56E-04	NA	NA
FEV1	TFRC	cg03462622	6	Inverse variance weighted	-0.010	0.004	-0.010 (-0.018, -0.002)	0.021	0.004	0.355
FEV1	CTTN	cg07005180	1	Wald ratio	-0.050	0.016	-0.050 (-0.081, -0.019)	0.001	NA	NA
FEV1	CYP1B1	cg11751707	1	Wald ratio	-0.044	0.014	-0.044 (-0.072, -0.017)	0.002	NA	NA
FEV1	HRAS	cg12989344	4	Inverse variance weighted	-0.019	0.005	-0.019 (-0.029, -0.008)	6.77E-04	0.002	0.710
FEV1	GATA4	cg22320962	1	Wald ratio	0.059	0.018	0.059 (0.025, 0.094)	8.30E-04	NA	NA
FEV1	WNT4	cg12098183	1	Wald ratio	-0.028	0.010	-0.028 (-0.048, -0.008)	0.006	NA	NA
FEV1	TP53INP1	cg23172400	24	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.001)	0.022	0.001	0.615
FEV1	DEPDC5	cg13263830	26	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.003)	6.82E-04	-0.001	0.434
FEV1	IL6	cg05472934	18	Inverse variance weighted	0.009	0.004	0.009 (0.002, 0.016)	0.016	0.000	0.904
FEV1	RRAGA	cg25822709	9	Inverse variance weighted	0.010	0.003	0.010 (0.004, 0.016)	9.02E-04	-0.002	0.528
FEV1	DEF8	cg03987653	7	Inverse variance weighted	-0.016	0.004	-0.016 (-0.025, -0.008)	2.30E-04	0.000	0.960
FEV1	INF2	cg03573445	1	Wald ratio	-0.038	0.013	-0.038 (-0.063, -0.014)	0.002	NA	NA
FEV1	WDR20;HSP90AA1	cg18412984	2	Inverse variance weighted	-0.023	0.008	-0.023 (-0.038, -0.008)	0.003	NA	NA
FEV1	AP1M2	cg23652172	1	Wald ratio	-0.055	0.017	-0.055 (-0.089, -0.022)	0.001	NA	NA
FEV1	RPS27L	cg26210447	7	Inverse variance weighted	-0.014	0.004	-0.014 (-0.022, -0.007)	1.77E-04	0.001	0.784
FEV1	SLC26A1;IDUA	cg24226891	2	Inverse variance weighted	-0.025	0.012	-0.025 (-0.049, -0.002)	0.035	NA	NA
FEV1	LTBR	cg25894255	1	Wald ratio	0.061	0.019	0.061 (0.024, 0.097)	0.001	NA	NA
FEV1	GATA4	cg13434842	1	Wald ratio	0.037	0.012	0.037 (0.013, 0.060)	0.003	NA	NA
FEV1	ZC3HC1	cg05055930	11	Inverse variance weighted	0.012	0.003	0.012 (0.006, 0.019)	1.13E-04	0.002	0.358
FEV1	CHMP4B	cg03864128	18	Inverse variance weighted	-0.008	0.003	-0.008 (-0.013, -0.002)	0.004	0.001	0.665
FEV1	CHMP4B	cg03355213	16	Inverse variance weighted	-0.008	0.003	-0.008 (-0.013, -0.002)	0.010	0.001	0.795
FEV1	PARP1	cg23712594	6	Inverse variance weighted	-0.017	0.004	-0.017 (-0.025, -0.009)	2.11E-05	-0.001	0.644

FEV1	ARSB	cg27361227	1	Wald ratio	0.041	0.014	0.041 (0.015, 0.068)	0.002	NA	NA
FEV1	PARP1	cg24937136	27	Inverse variance weighted	-0.006	0.002	-0.006 (-0.009, -0.003)	1.58E-04	-0.001	0.506
FEV1	BCL2	cg21793948	1	Wald ratio	0.043	0.014	0.043 (0.015, 0.071)	0.002	NA	NA
FEV1	TMEM14A	cg18568843	1	Wald ratio	0.044	0.014	0.044 (0.016, 0.072)	0.002	NA	NA
FEV1	ERCC4	cg24091698	1	Wald ratio	0.040	0.013	0.040 (0.014, 0.065)	0.003	NA	NA
FEV1	STK24	cg24247370	2	Inverse variance weighted	0.024	0.011	0.024 (0.002, 0.045)	0.035	NA	NA
FEV1	USP21	cg08535938	1	Wald ratio	-0.034	0.012	-0.034 (-0.056, -0.011)	0.004	NA	NA
FEV1	IL6	cg13104385	27	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.011)	5.24E-04	0.002	0.275
FEV1	IL6	cg05265849	20	Inverse variance weighted	0.008	0.002	0.008 (0.004, 0.011)	1.19E-04	0.001	0.606
FEV1	POU4F2	cg00505045	1	Wald ratio	-0.057	0.018	-0.057 (-0.092, -0.022)	0.001	NA	NA
FEV1	DCC	cg18866015	4	Inverse variance weighted	-0.025	0.005	-0.025 (-0.035, -0.014)	2.60E-06	-0.004	0.568
FEV1	LTBR	cg04911821	3	Inverse variance weighted	0.012	0.004	0.012 (0.004, 0.019)	0.003	-0.001	0.841
FEV1	RRAGA	cg14727880	1	Wald ratio	0.028	0.010	0.028 (0.009, 0.047)	0.004	NA	NA
FEV1	KDM1A	cg23271558	1	Wald ratio	-0.037	0.013	-0.037 (-0.061, -0.012)	0.003	NA	NA
FEV1	INF2	cg17984022	3	Inverse variance weighted	-0.009	0.003	-0.009 (-0.016, -0.003)	0.006	0.001	0.785
FEV1	PIK3CD	cg23098018	1	Wald ratio	-0.054	0.017	-0.054 (-0.087, -0.021)	0.001	NA	NA
FEV1	CARS	cg01104590	8	Inverse variance weighted	0.008	0.003	0.008 (0.001, 0.014)	0.016	-0.001	0.413
FEV1	CARS	cg17004353	8	Inverse variance weighted	0.009	0.004	0.009 (0.001, 0.016)	0.026	-0.001	0.811
FEV1	SLC38A9	cg07042489	1	Wald ratio	0.046	0.015	0.046 (0.017, 0.075)	0.002	NA	NA
FEV1	CARS	cg25072766	8	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.015)	0.006	-0.002	0.304
FEV1	PARP1	cg18590995	3	Inverse variance weighted	-0.024	0.009	-0.024 (-0.041, -0.007)	0.005	-0.071	0.501
FEV1	STAT3	cg25857307	1	Wald ratio	0.055	0.017	0.055 (0.021, 0.089)	0.002	NA	NA
FEV1	INF2	cg13590876	1	Wald ratio	-0.050	0.016	-0.050 (-0.082, -0.018)	0.002	NA	NA
FEV1	BNIP3	cg21762589	1	Wald ratio	0.039	0.013	0.039 (0.013, 0.065)	0.003	NA	NA
FEV1	BCL2	cg12459502	1	Wald ratio	-0.045	0.015	-0.045 (-0.074, -0.016)	0.003	NA	NA
FEV1	HSPA1B	cg13911590	1	Wald ratio	0.052	0.017	0.052 (0.019, 0.086)	0.002	NA	NA
FEV1	IRF2	cg04718987	2	Inverse variance weighted	-0.041	0.012	-0.041 (-0.064, -0.019)	3.27E-04	NA	NA
FEV1	GGA1	cg04984879	1	Wald ratio	0.034	0.012	0.034 (0.011, 0.057)	0.004	NA	NA
FEV1	CLEC16A	cg00027155	8	Inverse variance weighted	0.012	0.004	0.012 (0.005, 0.020)	8.92E-04	0.003	0.202
FEV1	RHEB	cg03998173	1	Wald ratio	-0.049	0.016	-0.049 (-0.081, -0.017)	0.002	NA	NA
FEV1	SST	cg00481951	3	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.003)	0.005	0.002	0.780
FEV1	CYP1B1	cg03890222	1	Wald ratio	0.052	0.017	0.052 (0.019, 0.085)	0.002	NA	NA
FEV1	MAP1LC3A	cg01901788	9	Inverse variance weighted	0.018	0.006	0.018 (0.005, 0.030)	0.005	0.005	0.313
FEV1	BMF	cg09749364	1	Wald ratio	-0.043	0.015	-0.043 (-0.072, -0.015)	0.003	NA	NA
FEV1	RPS27L	cg02713581	3	Inverse variance weighted	-0.029	0.008	-0.029 (-0.045, -0.013)	3.96E-04	-0.001	0.910
FEV1	LYN	cg03973663	2	Inverse variance weighted	-0.022	0.008	-0.022 (-0.038, -0.007)	0.005	NA	NA
FEV1	RHOT2;WDR90	cg07375207	1	Wald ratio	-0.025	0.009	-0.025 (-0.042, -0.007)	0.005	NA	NA
FEV1	LYN	cg24856456	1	Wald ratio	0.049	0.016	0.049 (0.018, 0.080)	0.002	NA	NA
FEV1	BRSK2	cg23163513	5	Inverse variance weighted	-0.018	0.006	-0.018 (-0.028, -0.007)	0.001	-0.005	0.140
FEV1	PCGF2	cg23302321	1	Wald ratio	-0.050	0.017	-0.050 (-0.082, -0.017)	0.003	NA	NA
FEV1	ACP2	cg20969221	1	Wald ratio	0.053	0.017	0.053 (0.019, 0.087)	0.002	NA	NA
FEV1	POU4F1	cg25682299	1	Wald ratio	-0.053	0.017	-0.053 (-0.087, -0.019)	0.002	NA	NA

FEV1	USP47	cg20781421	1	Wald ratio	0.033	0.012	0.033 (0.010, 0.056)	0.005	NA	NA
FEV1	IL6	cg26061582	10	Inverse variance weighted	0.011	0.003	0.011 (0.005, 0.017)	3.31E-04	-0.002	0.367
FEV1	HRAS	cg16229772	1	Wald ratio	0.047	0.016	0.047 (0.016, 0.077)	0.003	NA	NA
FEV1	KIF25	cg10146514	1	Wald ratio	-0.030	0.011	-0.030 (-0.051, -0.009)	0.005	NA	NA
FEV1	CYP1B1	cg07057636	1	Wald ratio	-0.051	0.017	-0.051 (-0.084, -0.018)	0.002	NA	NA
FEV1	SHARPIN	cg15230435	1	Wald ratio	-0.047	0.016	-0.047 (-0.078, -0.015)	0.003	NA	NA
FEV1	SST	cg25478614	3	Inverse variance weighted	-0.013	0.006	-0.013 (-0.024, -0.002)	0.018	0.006	0.453
FEV1	SLC26A1;IDUA	cg09153458	12	Inverse variance weighted	-0.014	0.003	-0.014 (-0.020, -0.009)	3.34E-07	0.002	0.367
FEV1	HYAL2	cg12150256	1	Wald ratio	0.031	0.011	0.031 (0.009, 0.053)	0.005	NA	NA
FEV1	CARS	cg14935025	5	Inverse variance weighted	0.012	0.006	0.012 (0.001, 0.024)	0.038	-0.003	0.353
FEV1	SLC39A14	cg23563866	1	Wald ratio	0.031	0.011	0.031 (0.009, 0.052)	0.005	NA	NA
FEV1	PRKCA	cg12467435	3	Inverse variance weighted	-0.025	0.008	-0.025 (-0.041, -0.009)	0.003	0.002	0.799
FEV1	BRSK2	cg01122627	10	Inverse variance weighted	0.017	0.005	0.017 (0.008, 0.026)	1.26E-04	-0.004	0.483
FEV1	HIP1	cg07211516	9	Inverse variance weighted	-0.009	0.003	-0.009 (-0.016, -0.003)	0.005	0.000	0.963
FEV1	TFDP1	cg16637188	1	Wald ratio	-0.028	0.013	-0.028 (-0.054, -0.002)	0.034	NA	NA
FEV1	BCL2L14	cg18223430	8	Inverse variance weighted	-0.009	0.002	-0.009 (-0.014, -0.004)	3.40E-04	-0.003	0.152
FEV1	ABL2	cg18433086	1	Wald ratio	-0.041	0.015	-0.041 (-0.070, -0.012)	0.005	NA	NA
FEV1	ATP6V0D1	cg06120000	1	Wald ratio	0.044	0.015	0.044 (0.014, 0.073)	0.004	NA	NA
FEV1	NFKB1	cg15409712	8	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.003)	0.003	0.001	0.664
FEV1	NFKB1	cg09390974	11	Inverse variance weighted	-0.008	0.003	-0.008 (-0.013, -0.003)	0.002	0.000	0.948
FEV1	PIP4K2B	cg27142680	1	Wald ratio	-0.040	0.014	-0.040 (-0.067, -0.012)	0.004	NA	NA
FEV1	INF2	cg18996808	2	Inverse variance weighted	0.026	0.009	0.026 (0.008, 0.045)	0.005	NA	NA
FEV1	SFRP2	cg25775322	1	Wald ratio	0.033	0.012	0.033 (0.010, 0.056)	0.005	NA	NA
FEV1	PRKCA;MIR634	cg20152382	1	Wald ratio	-0.038	0.013	-0.038 (-0.064, -0.012)	0.005	NA	NA
FEV1	STK24	cg24701178	1	Wald ratio	-0.029	0.011	-0.029 (-0.050, -0.008)	0.006	NA	NA
FEV1	LYN	cg02410887	2	Inverse variance weighted	-0.019	0.007	-0.019 (-0.032, -0.005)	0.005	NA	NA
FEV1	BCL2L14	cg24921858	3	Inverse variance weighted	-0.021	0.007	-0.021 (-0.035, -0.006)	0.005	0.000	0.995
FEV1	LYN	cg08894788	2	Inverse variance weighted	0.016	0.006	0.016 (0.006, 0.027)	0.003	NA	NA
FEV1	USP21;UFC1	cg01447427	1	Wald ratio	0.043	0.015	0.043 (0.013, 0.073)	0.005	NA	NA
FEV1	SHARPIN;MAF1	cg22861185	1	Wald ratio	0.042	0.015	0.042 (0.013, 0.070)	0.005	NA	NA
FEV1	TP53INP2	cg04270048	4	Inverse variance weighted	0.021	0.009	0.021 (0.003, 0.039)	0.024	0.002	0.786
FEV1	LYN	cg05997362	1	Wald ratio	-0.030	0.011	-0.030 (-0.051, -0.009)	0.005	NA	NA
FEV1	GSDMA	cg10794714	1	Wald ratio	0.039	0.014	0.039 (0.012, 0.065)	0.005	NA	NA
FEV1	TGFB2	cg01558923	1	Wald ratio	0.026	0.009	0.026 (0.007, 0.044)	0.007	NA	NA
FEV1	FEZ2	cg04352803	1	Wald ratio	-0.035	0.013	-0.035 (-0.060, -0.011)	0.005	NA	NA
FEV1	TGFB2	cg27508144	1	Wald ratio	0.027	0.010	0.027 (0.007, 0.046)	0.007	NA	NA
FEV1	SLC39A14	cg14348540	2	Inverse variance weighted	0.017	0.006	0.017 (0.004, 0.029)	0.008	NA	NA
FEV1	MMP9	cg23353432	1	Wald ratio	0.025	0.009	0.025 (0.007, 0.044)	0.007	NA	NA
FEV1	ATP2A3	cg20473595	4	Inverse variance weighted	0.019	0.006	0.019 (0.008, 0.031)	0.001	-0.006	0.553
FEV1	BNIP3	cg23606392	1	Wald ratio	0.046	0.018	0.046 (0.011, 0.081)	0.009	NA	NA
FEV1	CLTB	cg24735937	7	Inverse variance weighted	-0.010	0.003	-0.010 (-0.016, -0.003)	0.003	0.000	0.899
FEV1	KIF1B	cg11712187	3	Inverse variance weighted	0.020	0.009	0.020 (0.003, 0.038)	0.024	-0.002	0.887

FEV1	SNCA	cg18258770	1	Wald ratio	0.055	0.018	0.055 (0.018, 0.091)	0.003	NA	NA
FEV1	GSTP1	cg25135322	18	Inverse variance weighted	-0.025	0.007	-0.025 (-0.038, -0.011)	4.46E-04	-0.006	0.283
FEV1	NCK2	cg21101995	1	Wald ratio	0.043	0.015	0.043 (0.013, 0.073)	0.005	NA	NA
FEV1	CDC42	cg11572548	2	Inverse variance weighted	0.027	0.013	0.027 (0.002, 0.051)	0.032	NA	NA
FEV1	UCHL1	cg08273672	1	Wald ratio	-0.023	0.009	-0.023 (-0.041, -0.006)	0.008	NA	NA
FEV1	HIP1	cg14177084	3	Inverse variance weighted	0.019	0.006	0.019 (0.008, 0.030)	8.09E-04	-0.002	0.722
FEV1	FOXF1	cg01142386	1	Wald ratio	-0.034	0.012	-0.034 (-0.058, -0.010)	0.006	NA	NA
FEV1	BCL2	cg16445842	1	Wald ratio	-0.040	0.014	-0.040 (-0.068, -0.012)	0.005	NA	NA
FEV1	AHRR;PDCD6	cg17310215	2	Inverse variance weighted	-0.022	0.008	-0.022 (-0.037, -0.006)	0.006	NA	NA
FEV1	ARF1	cg06625004	9	Inverse variance weighted	0.013	0.003	0.013 (0.007, 0.019)	4.63E-05	0.003	0.106
FEV1	SFRP2	cg05050042	1	Wald ratio	0.039	0.014	0.039 (0.012, 0.067)	0.005	NA	NA
FEV1	CBS	cg03137177	1	Wald ratio	-0.050	0.017	-0.050 (-0.084, -0.017)	0.004	NA	NA
FEV1	AP3D1	cg09548694	3	Inverse variance weighted	0.018	0.008	0.018 (0.003, 0.034)	0.022	0.004	0.715
FEV1	FEZ2	cg01109574	4	Inverse variance weighted	-0.027	0.007	-0.027 (-0.041, -0.013)	1.11E-04	0.001	0.848
FEV1	PARP1	cg17127702	22	Inverse variance weighted	-0.008	0.002	-0.008 (-0.012, -0.004)	1.54E-05	-0.001	0.629
FEV1	GSTP1	cg25866895	17	Inverse variance weighted	-0.012	0.004	-0.012 (-0.021, -0.004)	0.003	-0.002	0.721
FEV1	LYN	cg02508743	4	Inverse variance weighted	0.009	0.004	0.009 (0.001, 0.017)	0.021	-0.001	0.887
FEV1	RHOT2;WDR90	cg00904273	1	Wald ratio	0.038	0.014	0.038 (0.011, 0.065)	0.006	NA	NA
FEV1	RPS7	cg20302414	6	Inverse variance weighted	-0.016	0.006	-0.016 (-0.027, -0.005)	0.004	0.001	0.838
FEV1	GSTP1	cg23725454	17	Inverse variance weighted	-0.011	0.004	-0.011 (-0.020, -0.003)	0.012	-0.005	0.219
FEV1	ATG5	cg09492693	1	Wald ratio	0.033	0.012	0.033 (0.009, 0.057)	0.007	NA	NA
FEV1	TRIM8	cg22532475	24	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.001)	0.022	0.003	0.250
FEV1	PRKCA	cg04955246	1	Wald ratio	-0.046	0.016	-0.046 (-0.078, -0.014)	0.005	NA	NA
FEV1	BMF	cg26662201	1	Wald ratio	0.045	0.016	0.045 (0.013, 0.077)	0.005	NA	NA
FEV1	TRIM8	cg06662132	1	Wald ratio	0.038	0.014	0.038 (0.011, 0.065)	0.007	NA	NA
FEV1	TGFB2	cg17934824	1	Wald ratio	0.033	0.012	0.033 (0.009, 0.057)	0.007	NA	NA
FEV1	PRKCA	cg17069533	1	Wald ratio	-0.047	0.017	-0.047 (-0.080, -0.014)	0.005	NA	NA
FEV1	P2RX7	cg10901569	4	Inverse variance weighted	-0.017	0.006	-0.017 (-0.028, -0.005)	0.004	0.004	0.312
FEV1	ERCC4	cg03927470	4	Inverse variance weighted	0.010	0.004	0.010 (0.002, 0.019)	0.013	-0.002	0.663
FEV1	GSTP1	cg11566244	13	Inverse variance weighted	0.013	0.005	0.013 (0.003, 0.024)	0.015	0.004	0.364
FEV1	USP47	cg20728419	1	Wald ratio	0.051	0.018	0.051 (0.016, 0.085)	0.005	NA	NA
FEV1	ST20	cg11839771	14	Inverse variance weighted	-0.010	0.003	-0.010 (-0.015, -0.005)	8.53E-05	-0.001	0.771
FEV1	HINT1	cg07158495	2	Inverse variance weighted	-0.045	0.013	-0.045 (-0.070, -0.021)	3.21E-04	NA	NA
FEV1	NKX3-1	cg06696292	1	Wald ratio	-0.021	0.008	-0.021 (-0.037, -0.005)	0.009	NA	NA
FEV1	RPTOR	cg25288455	4	Inverse variance weighted	0.019	0.006	0.019 (0.007, 0.031)	0.002	-0.006	0.315
FEV1	HIP1	cg22605936	1	Wald ratio	-0.040	0.015	-0.040 (-0.070, -0.011)	0.007	NA	NA
FEV1	PRKCA	cg04658038	1	Wald ratio	-0.049	0.017	-0.049 (-0.084, -0.015)	0.005	NA	NA
FEV1	DIDO1	cg21976603	1	Wald ratio	-0.020	0.008	-0.020 (-0.036, -0.005)	0.010	NA	NA
FEV1	MEFV	cg08781710	1	Wald ratio	0.032	0.012	0.032 (0.009, 0.054)	0.007	NA	NA
FEV1	SLC30A1	cg01575408	15	Inverse variance weighted	-0.006	0.003	-0.006 (-0.012, -0.001)	0.020	0.003	0.155
FEV1	STK25	cg13788902	1	Wald ratio	-0.023	0.009	-0.023 (-0.040, -0.005)	0.010	NA	NA
FEV1	ERN1	cg11099375	1	Wald ratio	-0.035	0.013	-0.035 (-0.061, -0.009)	0.008	NA	NA

FEV1	BMF	cg07712904	4	Inverse variance weighted	-0.012	0.005	-0.012 (-0.023, -0.002)	0.018	-0.001	0.840
FEV1	HYAL2	cg12976582	2	Inverse variance weighted	0.023	0.010	0.023 (0.004, 0.042)	0.019	NA	NA
FEV1	RPTOR	cg25673241	5	Inverse variance weighted	0.019	0.006	0.019 (0.007, 0.031)	0.002	-0.005	0.292
FEV1	FOXK1	cg09789173	5	Inverse variance weighted	-0.009	0.002	-0.009 (-0.014, -0.004)	1.38E-04	-0.003	0.469
FEV1	HIP1	cg05857060	1	Wald ratio	-0.033	0.013	-0.033 (-0.058, -0.008)	0.009	NA	NA
FEV1	GSTP1	cg06928838	1	Wald ratio	0.020	0.008	0.020 (0.005, 0.036)	0.011	NA	NA
FEV1	PDHB	cg26110898	16	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.019)	0.009	0.004	0.160
FEV1	STAT1	cg19881581	1	Wald ratio	-0.048	0.017	-0.048 (-0.082, -0.014)	0.006	NA	NA
FEV1	ST20	cg21315874	19	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.012)	0.001	0.000	0.912
FEV1	SERINC3	cg17465920	1	Wald ratio	0.026	0.010	0.026 (0.006, 0.046)	0.010	NA	NA
FEV1	HYAL2	cg13341668	2	Inverse variance weighted	0.027	0.013	0.027 (0.001, 0.053)	0.044	NA	NA
FEV1	OPTN	cg06091155	1	Wald ratio	-0.032	0.012	-0.032 (-0.055, -0.008)	0.009	NA	NA
FEV1	DAB2IP	cg14136214	1	Wald ratio	0.029	0.011	0.029 (0.007, 0.051)	0.010	NA	NA
FEV1	GSDMD	cg03367493	16	Inverse variance weighted	-0.011	0.002	-0.011 (-0.015, -0.006)	3.88E-06	-0.003	0.098
FEV1	KIF1B	cg26116724	1	Wald ratio	0.041	0.015	0.041 (0.011, 0.070)	0.007	NA	NA
FEV1	TP73	cg18279180	4	Inverse variance weighted	0.013	0.004	0.013 (0.005, 0.021)	0.002	-0.002	0.508
FEV1	FOXK1	cg05764847	1	Wald ratio	0.017	0.007	0.017 (0.004, 0.030)	0.012	NA	NA
FEV1	USP36	cg23834688	7	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.004)	0.005	-0.003	0.373
FEV1	UCHL1	cg16026922	3	Inverse variance weighted	0.018	0.007	0.018 (0.004, 0.032)	0.010	0.001	0.904
FEV1	RPS27L	cg19279045	1	Wald ratio	-0.048	0.018	-0.048 (-0.083, -0.014)	0.006	NA	NA
FEV1	SRC	cg24956391	1	Wald ratio	-0.035	0.014	-0.035 (-0.062, -0.009)	0.009	NA	NA
FEV1	SUMF1	cg24840601	1	Wald ratio	0.031	0.012	0.031 (0.008, 0.055)	0.010	NA	NA
FEV1	STK25	cg19488206	1	Wald ratio	-0.024	0.009	-0.024 (-0.042, -0.005)	0.011	NA	NA
FEV1	MAP3K5	cg01792203	1	Wald ratio	-0.038	0.014	-0.038 (-0.066, -0.010)	0.007	NA	NA
FEV1	GSTP1	cg14921275	4	Inverse variance weighted	-0.024	0.012	-0.024 (-0.047, -0.001)	0.042	-0.021	0.366
FEV1	CAPN1	cg25363789	17	Inverse variance weighted	-0.006	0.003	-0.006 (-0.011, -0.000)	0.035	0.000	0.943
FEV1	MET	cg24627299	1	Wald ratio	0.026	0.010	0.026 (0.006, 0.046)	0.011	NA	NA
FEV1	GSDMC	cg26073844	1	Wald ratio	-0.034	0.013	-0.034 (-0.060, -0.008)	0.010	NA	NA
FEV1	NACC2	cg13549345	1	Wald ratio	0.035	0.013	0.035 (0.008, 0.061)	0.010	NA	NA
FEV1	AP3D1	cg11349093	1	Wald ratio	-0.037	0.014	-0.037 (-0.065, -0.009)	0.009	NA	NA
FEV1	GAB2	cg13319772	1	Wald ratio	0.036	0.014	0.036 (0.009, 0.063)	0.009	NA	NA
FEV1	DIDO1	cg04226366	4	Inverse variance weighted	0.012	0.004	0.012 (0.003, 0.020)	0.008	-0.001	0.752
FEV1	ST20;C15orf37	cg26673396	10	Inverse variance weighted	-0.010	0.003	-0.010 (-0.017, -0.004)	0.002	0.001	0.784
FEV1	IL6	cg17067544	1	Wald ratio	0.041	0.015	0.041 (0.010, 0.071)	0.008	NA	NA
FEV1	MADD	cg19501536	5	Inverse variance weighted	-0.022	0.006	-0.022 (-0.033, -0.011)	8.63E-05	-0.002	0.656
FEV1	AIFM2	cg04859918	6	Inverse variance weighted	-0.012	0.006	-0.012 (-0.023, -0.001)	0.032	-0.005	0.440
FEV1	BCL2	cg26277730	1	Wald ratio	0.041	0.016	0.041 (0.010, 0.071)	0.009	NA	NA
FEV1	GSDMD	cg20583945	24	Inverse variance weighted	0.005	0.001	0.005 (0.002, 0.008)	2.85E-04	0.001	0.294
FEV1	FHIT	cg25736251	1	Wald ratio	0.035	0.014	0.035 (0.009, 0.062)	0.010	NA	NA
FEV1	GSDMD	cg09317036	13	Inverse variance weighted	0.010	0.002	0.010 (0.005, 0.015)	8.11E-05	0.003	0.061
FEV1	STK24	cg22619767	1	Wald ratio	0.030	0.012	0.030 (0.007, 0.053)	0.011	NA	NA
FEV1	GSDMD	cg22995724	17	Inverse variance weighted	-0.006	0.003	-0.006 (-0.011, -0.000)	0.043	0.000	0.915

FEV1	TCF7L2	cg03384318	1	Wald ratio	0.044	0.017	0.044 (0.012, 0.077)	0.008	NA	NA
FEV1	SLC39A14	cg23882724	1	Wald ratio	0.043	0.016	0.043 (0.012, 0.074)	0.007	NA	NA
FEV1	GSDMD	cg06553843	9	Inverse variance weighted	-0.012	0.003	-0.012 (-0.018, -0.006)	1.51E-04	-0.001	0.444
FEV1	HIP1	cg27531731	2	Inverse variance weighted	-0.024	0.009	-0.024 (-0.041, -0.007)	0.006	NA	NA
FEV1	LAPTM5	cg18411043	2	Inverse variance weighted	-0.027	0.010	-0.027 (-0.047, -0.008)	0.006	NA	NA
FEV1	ERN1	cg12258847	1	Wald ratio	0.041	0.016	0.041 (0.011, 0.072)	0.009	NA	NA
FEV1	TRAPPC2L;GALNS	cg13074209	2	Inverse variance weighted	-0.023	0.007	-0.023 (-0.038, -0.008)	0.002	NA	NA
FEV1	NGF	cg20678800	1	Wald ratio	0.044	0.017	0.044 (0.011, 0.077)	0.008	NA	NA
FEV1	ERN1	cg17463083	1	Wald ratio	0.034	0.013	0.034 (0.008, 0.061)	0.011	NA	NA
FEV1	USP36	cg17278466	2	Inverse variance weighted	-0.016	0.006	-0.016 (-0.028, -0.004)	0.009	NA	NA
FEV1	AIFM2	cg03087610	1	Wald ratio	-0.022	0.009	-0.022 (-0.039, -0.004)	0.014	NA	NA
FEV1	PPM1F	cg25898577	3	Inverse variance weighted	0.019	0.006	0.019 (0.008, 0.030)	6.86E-04	0.004	0.671
FEV1	HIP1	cg01621268	1	Wald ratio	-0.045	0.017	-0.045 (-0.079, -0.011)	0.009	NA	NA
FEV1	MNT	cg27406664	21	Inverse variance weighted	0.007	0.002	0.007 (0.002, 0.012)	0.004	-0.001	0.655
FEV1	P2RX4	cg20966272	1	Wald ratio	0.021	0.008	0.021 (0.004, 0.037)	0.015	NA	NA
FEV1	CHGA	cg10166151	1	Wald ratio	-0.024	0.010	-0.024 (-0.043, -0.005)	0.014	NA	NA
FEV1	PPARD	cg21748751	4	Inverse variance weighted	0.038	0.014	0.038 (0.009, 0.066)	0.009	0.009	0.304
FEV1	GATA2	cg06796779	1	Wald ratio	0.043	0.017	0.043 (0.011, 0.076)	0.009	NA	NA
FEV1	TNFRSF10A	cg26530341	5	Inverse variance weighted	0.010	0.003	0.010 (0.005, 0.016)	2.66E-04	0.008	0.214
FEV1	TNFRSF10A	cg23882019	6	Inverse variance weighted	0.009	0.004	0.009 (0.002, 0.015)	0.015	0.001	0.680
FEV1	SRC	cg23635789	1	Wald ratio	0.025	0.011	0.025 (0.003, 0.047)	0.024	NA	NA
FEV1	ACSL1	cg20410192	1	Wald ratio	0.028	0.011	0.028 (0.006, 0.050)	0.014	NA	NA
FEV1	DDX47	cg14463304	1	Wald ratio	0.041	0.016	0.041 (0.010, 0.072)	0.010	NA	NA
FEV1	SQSTM1	cg15960580	1	Wald ratio	-0.044	0.017	-0.044 (-0.077, -0.011)	0.010	NA	NA
FEV1	BCL2	cg08223235	2	Inverse variance weighted	0.014	0.006	0.014 (0.002, 0.025)	0.019	NA	NA
FEV1	BCL2L14	cg01934781	1	Wald ratio	-0.020	0.008	-0.020 (-0.037, -0.004)	0.015	NA	NA
FEV1	PAFAH1B2	cg10779718	21	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.011)	0.002	0.003	0.141
FEV1	ATP6V1E2	cg26688816	18	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.012)	0.015	-0.001	0.626
FEV1	STK24	cg01536299	1	Wald ratio	0.045	0.017	0.045 (0.011, 0.079)	0.010	NA	NA
FEV1	LYN	cg17806401	2	Inverse variance weighted	-0.021	0.009	-0.021 (-0.038, -0.003)	0.018	NA	NA
FEV1	UCHL1	cg24715245	2	Inverse variance weighted	0.031	0.011	0.031 (0.008, 0.053)	0.007	NA	NA
FEV1	PRKCD	cg04981430	8	Inverse variance weighted	-0.013	0.004	-0.013 (-0.021, -0.005)	0.002	-0.005	0.099
FEV1	USP36	cg10256330	5	Inverse variance weighted	0.013	0.005	0.013 (0.003, 0.023)	0.008	-0.004	0.565
FEV1	TNFRSF10A	cg22843797	2	Inverse variance weighted	0.015	0.005	0.015 (0.005, 0.026)	0.005	NA	NA
FEV1	INF2	cg24404909	1	Wald ratio	0.043	0.017	0.043 (0.010, 0.076)	0.010	NA	NA
FEV1	MAZ	cg27338089	1	Wald ratio	-0.033	0.013	-0.033 (-0.059, -0.007)	0.013	NA	NA
FEV1	PAFAH1B2	cg20270762	9	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.018)	0.006	0.001	0.739
FEV1	FOXO1	cg23413567	1	Wald ratio	0.024	0.010	0.024 (0.005, 0.044)	0.015	NA	NA
FEV1	PRKCD	cg03200095	4	Inverse variance weighted	0.015	0.006	0.015 (0.004, 0.026)	0.008	0.001	0.829
FEV1	TNFRSF10A	cg24278165	2	Inverse variance weighted	0.018	0.006	0.018 (0.006, 0.030)	0.004	NA	NA
FEV1	SLC30A9	cg07260532	1	Wald ratio	-0.025	0.010	-0.025 (-0.045, -0.005)	0.016	NA	NA
FEV1	STK24	cg03461548	1	Wald ratio	0.048	0.019	0.048 (0.012, 0.085)	0.010	NA	NA

FEV1	GALNS	cg07774081	2	Inverse variance weighted	0.014	0.006	0.014 (0.002, 0.026)	0.025	NA	NA
FEV1	PTGIS	cg05932408	1	Wald ratio	-0.045	0.018	-0.045 (-0.079, -0.011)	0.010	NA	NA
FEV1	BCL2L14	cg27366072	1	Wald ratio	-0.028	0.011	-0.028 (-0.050, -0.005)	0.015	NA	NA
FEV1	WNT4	cg10606730	1	Wald ratio	-0.024	0.010	-0.024 (-0.043, -0.004)	0.016	NA	NA
FEV1	BCL2L14	cg01175610	2	Inverse variance weighted	-0.025	0.010	-0.025 (-0.044, -0.007)	0.008	NA	NA
FEV1	SRC	cg01141721	1	Wald ratio	0.018	0.008	0.018 (0.003, 0.034)	0.018	NA	NA
FEV1	UNC13D	cg22467534	1	Wald ratio	-0.045	0.018	-0.045 (-0.080, -0.011)	0.010	NA	NA
FEV1	PAFAH1B2	cg01368799	18	Inverse variance weighted	0.008	0.003	0.008 (0.003, 0.014)	0.004	0.002	0.471
FEV1	E2F2	cg22040403	19	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.001)	0.025	0.000	0.800
FEV1	NOS3	cg26168651	2	Inverse variance weighted	0.027	0.009	0.027 (0.009, 0.044)	0.003	NA	NA
FEV1	PPARD	cg18204017	1	Wald ratio	0.041	0.016	0.041 (0.009, 0.073)	0.012	NA	NA
FEV1	GZMB	cg16212145	2	Inverse variance weighted	-0.023	0.008	-0.023 (-0.038, -0.008)	0.003	NA	NA
FEV1	BMF	cg17809595	1	Wald ratio	0.041	0.016	0.041 (0.009, 0.072)	0.012	NA	NA
FEV1	PPM1F	cg27653384	2	Inverse variance weighted	-0.030	0.010	-0.030 (-0.050, -0.010)	0.003	NA	NA
FEV1	GALNS;TRAPPC2L	cg00073650	1	Wald ratio	-0.017	0.007	-0.017 (-0.032, -0.003)	0.017	NA	NA
FEV1	PHLDA3	cg00962755	3	Inverse variance weighted	-0.026	0.007	-0.026 (-0.039, -0.013)	1.08E-04	0.001	0.929
FEV1	PDCD6	cg09097916	1	Wald ratio	0.046	0.018	0.046 (0.011, 0.080)	0.011	NA	NA
FEV1	TRAPPC2L;GALNS	cg07364608	1	Wald ratio	-0.028	0.011	-0.028 (-0.050, -0.006)	0.013	NA	NA
FEV1	MTMR9	cg12981288	1	Wald ratio	-0.029	0.012	-0.029 (-0.053, -0.006)	0.015	NA	NA
FEV1	IL6R	cg15633035	1	Wald ratio	-0.032	0.013	-0.032 (-0.057, -0.006)	0.014	NA	NA
FEV1	PIP4K2C	cg05694847	3	Inverse variance weighted	-0.018	0.006	-0.018 (-0.030, -0.007)	0.002	-0.002	0.788
FEV1	C15orf37;ST20	cg27236825	1	Wald ratio	0.024	0.010	0.024 (0.004, 0.044)	0.019	NA	NA
FEV1	GNS	cg27476482	1	Wald ratio	0.031	0.013	0.031 (0.006, 0.056)	0.016	NA	NA
FEV1	PTGDR	cg27131955	4	Inverse variance weighted	0.016	0.006	0.016 (0.005, 0.027)	0.004	-0.002	0.646
FEV1	PPP3R1	cg19015708	5	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.003)	0.009	0.005	0.262
FEV1	FNIP2	cg05539369	1	Wald ratio	-0.046	0.018	-0.046 (-0.081, -0.010)	0.011	NA	NA
FEV1	CDK5R1	cg22322863	1	Wald ratio	0.031	0.013	0.031 (0.006, 0.057)	0.016	NA	NA
FEV1	ST20	cg18753337	24	Inverse variance weighted	0.004	0.002	0.004 (0.001, 0.008)	0.015	0.001	0.565
FEV1	PPM1F	cg10081899	2	Inverse variance weighted	-0.031	0.009	-0.031 (-0.049, -0.012)	0.001	NA	NA
FEV1	KIT	cg18836493	1	Wald ratio	-0.015	0.007	-0.015 (-0.028, -0.002)	0.020	NA	NA
FEV1	SLC40A1	cg15599483	2	Inverse variance weighted	-0.026	0.010	-0.026 (-0.046, -0.007)	0.007	NA	NA
FEV1	PEBP1	cg16572268	3	Inverse variance weighted	0.020	0.006	0.020 (0.008, 0.031)	0.001	0.004	0.512
FEV1	UNC13D	cg01430390	4	Inverse variance weighted	-0.010	0.004	-0.010 (-0.019, -0.001)	0.022	0.002	0.595
FEV1	UNC13D	cg15177359	1	Wald ratio	0.044	0.018	0.044 (0.009, 0.078)	0.012	NA	NA
FEV1	USP36	cg07385573	3	Inverse variance weighted	0.014	0.007	0.014 (0.001, 0.027)	0.036	-0.004	0.561
FEV1	MT3	cg09372728	1	Wald ratio	0.039	0.016	0.039 (0.008, 0.071)	0.015	NA	NA
FEV1	BCL2	cg23756272	1	Wald ratio	-0.031	0.013	-0.031 (-0.056, -0.006)	0.016	NA	NA
FEV1	C15orf37;ST20	cg11970192	7	Inverse variance weighted	-0.009	0.004	-0.009 (-0.016, -0.002)	0.011	0.001	0.702
FEV1	INF2	cg01836137	2	Inverse variance weighted	-0.020	0.006	-0.020 (-0.033, -0.008)	9.33E-04	NA	NA
FEV1	YWHAE	cg23643343	5	Inverse variance weighted	-0.020	0.007	-0.020 (-0.034, -0.005)	0.007	-0.009	0.184
FEV1	FNIP2	cg05615763	1	Wald ratio	-0.019	0.008	-0.019 (-0.035, -0.003)	0.020	NA	NA
FEV1	STK25	cg09289202	32	Inverse variance weighted	0.005	0.002	0.005 (0.002, 0.009)	0.002	-0.002	0.172

FEV1	LYN	cg21301224	1	Wald ratio	-0.037	0.015	-0.037 (-0.066, -0.008)	0.014	NA	NA
FEV1	USP10	cg01647942	4	Inverse variance weighted	-0.012	0.005	-0.012 (-0.021, -0.003)	0.009	0.002	0.596
FEV1	PAFAH1B2	cg21014238	14	Inverse variance weighted	0.009	0.004	0.009 (0.001, 0.016)	0.019	0.003	0.355
FEV1	INF2	cg05210373	1	Wald ratio	0.026	0.011	0.026 (0.004, 0.047)	0.018	NA	NA
FEV1	FOXK1	cg00064840	3	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.003)	0.005	-0.003	0.596
FEV1	GAB2	cg24769381	13	Inverse variance weighted	0.006	0.002	0.006 (0.001, 0.011)	0.015	0.001	0.683
FEV1	COL2A1	cg12235144	1	Wald ratio	-0.030	0.013	-0.030 (-0.055, -0.005)	0.017	NA	NA
FEV1	ARSB	cg11837534	1	Wald ratio	-0.037	0.015	-0.037 (-0.066, -0.007)	0.016	NA	NA
FEV1	FOXK1	cg13287553	1	Wald ratio	-0.012	0.005	-0.012 (-0.022, -0.002)	0.022	NA	NA
FEV1	FOXK1	cg10118545	1	Wald ratio	-0.012	0.005	-0.012 (-0.023, -0.002)	0.022	NA	NA
FEV1	CSNK2A1	cg07511836	2	Inverse variance weighted	-0.011	0.005	-0.011 (-0.020, -0.001)	0.028	NA	NA
FEV1	MAP3K5	cg24999105	2	Inverse variance weighted	-0.013	0.005	-0.013 (-0.022, -0.003)	0.011	NA	NA
FEV1	MUC1	cg18804777	2	Inverse variance weighted	-0.026	0.011	-0.026 (-0.048, -0.005)	0.018	NA	NA
FEV1	FOXK1	cg06846441	1	Wald ratio	0.018	0.008	0.018 (0.003, 0.033)	0.021	NA	NA
FEV1	CSNK2A2	cg06640533	3	Inverse variance weighted	0.031	0.008	0.031 (0.014, 0.047)	2.50E-04	-0.002	0.831
FEV1	P2RX7	cg22867729	1	Wald ratio	-0.039	0.016	-0.039 (-0.070, -0.007)	0.015	NA	NA
FEV1	CSNK2A2	cg07377098	1	Wald ratio	-0.030	0.013	-0.030 (-0.054, -0.005)	0.018	NA	NA
FEV1	IFNGR2	cg14850771	9	Inverse variance weighted	-0.008	0.003	-0.008 (-0.013, -0.003)	0.002	0.001	0.513
FEV1	LGALS8	cg06118122	2	Inverse variance weighted	-0.031	0.011	-0.031 (-0.052, -0.010)	0.004	NA	NA
FEV1	YWHAB	cg10774185	1	Wald ratio	-0.039	0.016	-0.039 (-0.071, -0.008)	0.015	NA	NA
FEV1	TP73	cg17986341	2	Inverse variance weighted	-0.029	0.009	-0.029 (-0.047, -0.012)	9.22E-04	NA	NA
FEV1	UNC13D	cg14715778	1	Wald ratio	0.024	0.010	0.024 (0.004, 0.045)	0.020	NA	NA
FEV1	IFI27	cg23038560	1	Wald ratio	0.019	0.008	0.019 (0.003, 0.036)	0.022	NA	NA
FEV1	FOXK2	cg24220178	3	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.004)	0.005	0.006	0.452
FEV1	PHLDA3	cg18569595	2	Inverse variance weighted	-0.016	0.007	-0.016 (-0.029, -0.003)	0.014	NA	NA
FEV1	PPT2;PRRT1	cg01111041	1	Wald ratio	-0.039	0.016	-0.039 (-0.071, -0.007)	0.018	NA	NA
FEV1	LAPTM5	cg24459792	1	Wald ratio	-0.029	0.012	-0.029 (-0.053, -0.005)	0.020	NA	NA
FEV1	MMP9	cg23303369	18	Inverse variance weighted	0.008	0.003	0.008 (0.003, 0.013)	0.001	0.001	0.498
FEV1	MMP9	cg20674635	14	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.014)	0.004	-0.001	0.718
FEV1	SRC	cg12807924	4	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.019)	0.006	0.004	0.285
FEV1	LGALS8	cg14252149	19	Inverse variance weighted	0.008	0.001	0.008 (0.005, 0.011)	1.96E-08	0.003	0.072
FEV1	UNC13D	cg23891399	12	Inverse variance weighted	-0.006	0.002	-0.006 (-0.011, -0.002)	0.004	-0.003	0.326
FEV1	UNC13D	cg12407791	11	Inverse variance weighted	-0.004	0.002	-0.004 (-0.009, -0.000)	0.038	-0.001	0.834
FEV1	UNC13D	cg07010633	10	Inverse variance weighted	-0.004	0.002	-0.004 (-0.009, -0.000)	0.048	0.000	0.946
FEV1	CSNK2A2	cg15508020	1	Wald ratio	0.042	0.017	0.042 (0.008, 0.077)	0.015	NA	NA
FEV1	LGALS8	cg01809927	9	Inverse variance weighted	0.010	0.002	0.010 (0.005, 0.015)	1.70E-05	0.005	0.176
FEV1	UNC13D	cg23470227	12	Inverse variance weighted	-0.005	0.002	-0.005 (-0.009, -0.000)	0.030	0.000	0.841
FEV1	UNC13D	cg02627403	12	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.000)	0.034	0.000	0.876
FEV1	MMP9	cg04145601	4	Inverse variance weighted	0.016	0.004	0.016 (0.008, 0.025)	2.64E-04	0.005	0.270
FEV1	MMP9	cg26132320	4	Inverse variance weighted	0.011	0.005	0.011 (0.002, 0.020)	0.016	0.004	0.408
FEV1	CSNK2A1	cg26292976	1	Wald ratio	-0.023	0.010	-0.023 (-0.042, -0.003)	0.022	NA	NA
FEV1	TCIRG1	cg18456140	2	Inverse variance weighted	-0.010	0.005	-0.010 (-0.020, -0.001)	0.038	NA	NA

FEV1	DEF8	cg03721293	6	Inverse variance weighted	0.015	0.004	0.015 (0.006, 0.024)	6.63E-04	0.002	0.455
FEV1	UNC13D	cg16354117	1	Wald ratio	0.014	0.006	0.014 (0.002, 0.026)	0.024	NA	NA
FEV1	ARRB2	cg16472369	2	Inverse variance weighted	-0.018	0.006	-0.018 (-0.030, -0.007)	0.002	NA	NA
FEV1	LGALS8	cg22596738	1	Wald ratio	0.036	0.015	0.036 (0.006, 0.066)	0.018	NA	NA
FEV1	E2F2	cg24254937	2	Inverse variance weighted	-0.026	0.007	-0.026 (-0.041, -0.012)	2.63E-04	NA	NA
FEV1	TMEM14A	cg19083670	1	Wald ratio	-0.043	0.018	-0.043 (-0.077, -0.008)	0.015	NA	NA
FEV1	HIPK2	cg03202545	1	Wald ratio	0.033	0.014	0.033 (0.005, 0.060)	0.020	NA	NA
FEV1	MMP9	cg04656101	4	Inverse variance weighted	0.022	0.006	0.022 (0.011, 0.033)	9.42E-05	0.008	0.357
FEV1	ARRB2	cg19197139	11	Inverse variance weighted	0.005	0.002	0.005 (0.001, 0.010)	0.028	0.000	0.925
FEV1	TP73	cg25352980	1	Wald ratio	-0.025	0.011	-0.025 (-0.046, -0.004)	0.023	NA	NA
FEV1	BMF	cg02313495	7	Inverse variance weighted	0.006	0.002	0.006 (0.002, 0.010)	0.003	0.000	0.957
FEV1	ARRB2	cg00122941	6	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.014)	0.010	0.002	0.417
FEV1	DEF8	cg04752812	4	Inverse variance weighted	0.016	0.006	0.016 (0.004, 0.028)	0.012	-0.001	0.772
FEV1	FOXK2	cg21093005	3	Inverse variance weighted	-0.016	0.006	-0.016 (-0.029, -0.004)	0.010	0.009	0.408
FEV1	UNC13D	cg17075258	1	Wald ratio	-0.017	0.007	-0.017 (-0.031, -0.002)	0.025	NA	NA
FEV1	PIK3R1	cg24797508	1	Wald ratio	-0.034	0.015	-0.034 (-0.063, -0.005)	0.020	NA	NA
FEV1	HIP1	cg07928105	1	Wald ratio	-0.031	0.013	-0.031 (-0.057, -0.005)	0.020	NA	NA
FEV1	DDIT3	cg08984436	1	Wald ratio	-0.023	0.010	-0.023 (-0.043, -0.004)	0.021	NA	NA
FEV1	FOXK2	cg08848988	1	Wald ratio	-0.017	0.008	-0.017 (-0.032, -0.002)	0.026	NA	NA
FEV1	MET	cg25299676	4	Inverse variance weighted	0.014	0.005	0.014 (0.004, 0.024)	0.004	0.004	0.333
FEV1	CTTN	cg12127706	12	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.014)	0.003	0.001	0.730
FEV1	KIF1B	cg23716690	4	Inverse variance weighted	0.016	0.005	0.016 (0.006, 0.027)	0.003	-0.001	0.896
FEV1	TPCN2	cg23247191	1	Wald ratio	0.044	0.018	0.044 (0.008, 0.080)	0.017	NA	NA
FEV1	LTBR	cg26306994	1	Wald ratio	0.024	0.011	0.024 (0.003, 0.046)	0.024	NA	NA
FEV1	CTTN	cg16629523	9	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.018)	0.008	0.001	0.630
FEV1	PAFAH1B2	cg10398005	1	Wald ratio	-0.032	0.014	-0.032 (-0.059, -0.005)	0.022	NA	NA
FEV1	PIK3R1	cg09101894	1	Wald ratio	-0.038	0.016	-0.038 (-0.069, -0.006)	0.020	NA	NA
FEV1	FOXK1	cg06287775	1	Wald ratio	-0.026	0.011	-0.026 (-0.048, -0.003)	0.024	NA	NA
FEV1	GAB2	cg26672202	5	Inverse variance weighted	-0.010	0.004	-0.010 (-0.018, -0.002)	0.020	0.004	0.410
FEV1	MAP2K5	cg01362115	2	Inverse variance weighted	0.015	0.006	0.015 (0.002, 0.028)	0.023	NA	NA
FEV1	FOXK2	cg26986438	1	Wald ratio	-0.024	0.010	-0.024 (-0.045, -0.003)	0.022	NA	NA
FEV1	GATA4	cg12395012	43	Inverse variance weighted	0.011	0.002	0.011 (0.007, 0.014)	3.81E-08	0.002	0.137
FEV1	CTSC	cg15581365	1	Wald ratio	-0.038	0.016	-0.038 (-0.071, -0.006)	0.019	NA	NA
FEV1	AP3B2	cg27279991	2	Inverse variance weighted	-0.042	0.020	-0.042 (-0.081, -0.003)	0.036	NA	NA
FEV1	SLC11A2	cg22789605	2	Inverse variance weighted	-0.011	0.005	-0.011 (-0.020, -0.001)	0.033	NA	NA
FEV1	TP73	cg24356964	2	Inverse variance weighted	0.029	0.011	0.029 (0.007, 0.051)	0.011	NA	NA
FEV1	WWOX	cg08748098	1	Wald ratio	0.014	0.006	0.014 (0.002, 0.027)	0.028	NA	NA
FEV1	AIFM2	cg25502086	9	Inverse variance weighted	-0.014	0.004	-0.014 (-0.021, -0.006)	4.55E-04	-0.004	0.080
FEV1	CPLX2	cg19649083	6	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.000)	0.040	0.001	0.773
FEV1	AP3B2	cg20592391	2	Inverse variance weighted	0.041	0.019	0.041 (0.004, 0.079)	0.029	NA	NA
FEV1	LAPTM5	cg17418085	1	Wald ratio	-0.033	0.015	-0.033 (-0.062, -0.004)	0.023	NA	NA
FEV1	MYH14	cg00919509	1	Wald ratio	-0.027	0.012	-0.027 (-0.050, -0.004)	0.019	NA	NA

FEV1	RHOT2;WDR90	cg05135288	2	Inverse variance weighted	-0.013	0.005	-0.013 (-0.024, -0.003)	0.012	NA	NA
FEV1	MAP3K5	cg02673417	1	Wald ratio	-0.035	0.015	-0.035 (-0.064, -0.005)	0.022	NA	NA
FEV1	TP73	cg05116756	2	Inverse variance weighted	-0.022	0.010	-0.022 (-0.040, -0.003)	0.023	NA	NA
FEV1	CTTN	cg24395117	1	Wald ratio	-0.038	0.016	-0.038 (-0.070, -0.005)	0.022	NA	NA
FEV1	MAPK7	cg13832201	1	Wald ratio	-0.030	0.013	-0.030 (-0.056, -0.004)	0.024	NA	NA
FEV1	ATG5	cg04389950	1	Wald ratio	-0.038	0.017	-0.038 (-0.071, -0.006)	0.021	NA	NA
FEV1	ITPRIP	cg27365978	5	Inverse variance weighted	0.013	0.004	0.013 (0.005, 0.022)	0.002	0.006	0.289
FEV1	AP1G1	cg13701124	1	Wald ratio	-0.034	0.015	-0.034 (-0.063, -0.004)	0.024	NA	NA
FEV1	MUL1	cg09858435	1	Wald ratio	-0.031	0.014	-0.031 (-0.059, -0.004)	0.025	NA	NA
FEV1	SLC40A1	cg14499385	6	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.002)	0.011	-0.001	0.792
FEV1	CDH1	cg08616585	1	Wald ratio	0.026	0.012	0.026 (0.003, 0.050)	0.027	NA	NA
FEV1	BIK	cg13934236	2	Inverse variance weighted	-0.020	0.010	-0.020 (-0.040, -0.001)	0.038	NA	NA
FEV1	RHOT2	cg08024847	1	Wald ratio	0.019	0.009	0.019 (0.002, 0.036)	0.030	NA	NA
FEV1	CDK5R1	cg07437263	9	Inverse variance weighted	0.007	0.004	0.007 (0.000, 0.014)	0.048	0.005	0.156
FEV1	HIP1	cg23657377	2	Inverse variance weighted	-0.025	0.010	-0.025 (-0.044, -0.006)	0.011	NA	NA
FEV1	ITPRIP	cg02682924	2	Inverse variance weighted	-0.021	0.007	-0.021 (-0.036, -0.007)	0.004	NA	NA
FEV1	AIFM2	cg18061319	8	Inverse variance weighted	-0.013	0.006	-0.013 (-0.026, -0.000)	0.042	-0.007	0.096
FEV1	TRIM65	cg25176883	1	Wald ratio	0.039	0.017	0.039 (0.005, 0.073)	0.023	NA	NA
FEV1	KIT	cg19041419	1	Wald ratio	-0.030	0.014	-0.030 (-0.057, -0.003)	0.027	NA	NA
FEV1	GAB2	cg07780377	1	Wald ratio	0.026	0.012	0.026 (0.003, 0.049)	0.029	NA	NA
FEV1	AIFM2	cg15779600	3	Inverse variance weighted	-0.011	0.005	-0.011 (-0.020, -0.001)	0.024	0.001	0.841
FEV1	BCL2L14	cg20481287	9	Inverse variance weighted	-0.011	0.003	-0.011 (-0.017, -0.006)	2.05E-05	-0.002	0.234
FEV1	CTTN	cg17631184	1	Wald ratio	0.039	0.017	0.039 (0.005, 0.072)	0.024	NA	NA
FEV1	IDUA	cg14652403	7	Inverse variance weighted	-0.015	0.005	-0.015 (-0.024, -0.006)	0.001	-0.003	0.476
FEV1	ENO1	cg13785123	6	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.018)	0.007	0.000	0.916
FEV1	PPM1F	cg24533864	2	Inverse variance weighted	-0.034	0.010	-0.034 (-0.054, -0.013)	0.001	NA	NA
FEV1	SRC	cg08553950	1	Wald ratio	-0.038	0.017	-0.038 (-0.070, -0.005)	0.024	NA	NA
FEV1	UNC5B	cg04269057	1	Wald ratio	-0.036	0.016	-0.036 (-0.067, -0.005)	0.024	NA	NA
FEV1	CLTA	cg13630493	2	Inverse variance weighted	0.020	0.009	0.020 (0.002, 0.037)	0.026	NA	NA
FEV1	FOXK2	cg21909206	1	Wald ratio	-0.035	0.016	-0.035 (-0.066, -0.004)	0.026	NA	NA
FEV1	FOXK2	cg27450688	1	Wald ratio	-0.035	0.016	-0.035 (-0.066, -0.004)	0.026	NA	NA
FEV1	ALOX15	cg05715138	1	Wald ratio	0.033	0.015	0.033 (0.004, 0.061)	0.026	NA	NA
FEV1	BCL2	cg23707289	2	Inverse variance weighted	0.012	0.006	0.012 (0.001, 0.023)	0.027	NA	NA
FEV1	ARSB	cg13121490	1	Wald ratio	-0.037	0.018	-0.037 (-0.072, -0.002)	0.039	NA	NA
FEV1	AP1S3	cg03341091	1	Wald ratio	0.025	0.012	0.025 (0.002, 0.048)	0.030	NA	NA
FEV1	COL2A1	cg05342945	3	Inverse variance weighted	0.041	0.020	0.041 (0.003, 0.079)	0.035	0.003	0.898
FEV1	PPIA	cg26307266	2	Inverse variance weighted	-0.019	0.007	-0.019 (-0.033, -0.005)	0.007	NA	NA
FEV1	STK24	cg03701759	2	Inverse variance weighted	-0.015	0.007	-0.015 (-0.028, -0.001)	0.030	NA	NA
FEV1	IKBKE	cg11166312	3	Inverse variance weighted	-0.012	0.005	-0.012 (-0.022, -0.003)	0.012	-0.001	0.820
FEV1	SIAH2	cg07663535	1	Wald ratio	0.019	0.009	0.019 (0.001, 0.037)	0.036	NA	NA
FEV1	BMF	cg07887985	1	Wald ratio	0.034	0.015	0.034 (0.004, 0.064)	0.027	NA	NA
FEV1	SNAI1	cg22815953	1	Wald ratio	0.027	0.012	0.027 (0.003, 0.052)	0.030	NA	NA

FEV1	HRAS	cg06143971	7	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.014)	0.023	0.002	0.455
FEV1	CLU	cg18931633	1	Wald ratio	-0.025	0.012	-0.025 (-0.048, -0.002)	0.031	NA	NA
FEV1	FDX1	cg09762563	2	Inverse variance weighted	0.021	0.009	0.021 (0.005, 0.038)	0.013	NA	NA
FEV1	DAPK1	cg13752933	1	Wald ratio	-0.029	0.013	-0.029 (-0.055, -0.003)	0.030	NA	NA
FEV1	CX3CL1	cg15195412	1	Wald ratio	0.028	0.013	0.028 (0.003, 0.053)	0.030	NA	NA
FEV1	CSNK2A1	cg23481873	1	Wald ratio	-0.033	0.015	-0.033 (-0.062, -0.003)	0.028	NA	NA
FEV1	GAB2	cg12700464	1	Wald ratio	0.041	0.018	0.041 (0.006, 0.076)	0.023	NA	NA
FEV1	PPIA	cg26194633	1	Wald ratio	-0.037	0.017	-0.037 (-0.070, -0.004)	0.027	NA	NA
FEV1	LGMN	cg23547892	12	Inverse variance weighted	0.010	0.005	0.010 (0.000, 0.020)	0.047	0.008	0.120
FEV1	RHOT2;WDR90	cg02814289	1	Wald ratio	-0.030	0.014	-0.030 (-0.056, -0.003)	0.030	NA	NA
FEV1	LGMN	cg17319795	6	Inverse variance weighted	0.009	0.005	0.009 (0.000, 0.018)	0.045	-0.003	0.667
FEV1	ARRB2	cg02286380	12	Inverse variance weighted	-0.006	0.002	-0.006 (-0.011, -0.002)	0.004	0.000	0.833
FEV1	ENTPD4	cg09238382	3	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.001)	0.027	0.000	0.954
FEV1	MAPK9	cg03605361	1	Wald ratio	0.032	0.015	0.032 (0.003, 0.061)	0.030	NA	NA
FEV1	STAT5B	cg19465320	2	Inverse variance weighted	0.021	0.009	0.021 (0.003, 0.038)	0.019	NA	NA
FEV1	SNAI1	cg23100428	1	Wald ratio	-0.031	0.014	-0.031 (-0.059, -0.003)	0.030	NA	NA
FEV1	ARRB2	cg07971820	6	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.002)	0.006	0.000	0.888
FEV1	USP36	cg20126656	5	Inverse variance weighted	0.012	0.004	0.012 (0.004, 0.021)	0.006	-0.002	0.703
FEV1	MMP9	cg17664577	3	Inverse variance weighted	0.015	0.006	0.015 (0.004, 0.026)	0.010	0.001	0.836
FEV1	COL2A1	cg18990042	1	Wald ratio	0.025	0.011	0.025 (0.003, 0.047)	0.029	NA	NA
FEV1	BLK	cg13440894	1	Wald ratio	0.032	0.015	0.032 (0.003, 0.061)	0.032	NA	NA
FEV1	CD164	cg12940558	1	Wald ratio	-0.016	0.008	-0.016 (-0.031, -0.001)	0.034	NA	NA
FEV1	MMP9	cg00182727	1	Wald ratio	0.015	0.007	0.015 (0.001, 0.029)	0.037	NA	NA
FEV1	USP36	cg00945209	5	Inverse variance weighted	0.015	0.005	0.015 (0.005, 0.026)	0.004	-0.005	0.329
FEV1	ITPRIP	cg22882506	2	Inverse variance weighted	0.014	0.006	0.014 (0.002, 0.026)	0.020	NA	NA
FEV1	GAB2	cg13226797	1	Wald ratio	0.032	0.015	0.032 (0.003, 0.062)	0.030	NA	NA
FEV1	COL2A1	cg17342302	1	Wald ratio	-0.026	0.012	-0.026 (-0.050, -0.002)	0.033	NA	NA
FEV1	HEXB	cg21230774	2	Inverse variance weighted	0.013	0.006	0.013 (0.001, 0.025)	0.029	NA	NA
FEV1	HRAS;LRRC56	cg22174486	3	Inverse variance weighted	-0.015	0.006	-0.015 (-0.026, -0.003)	0.010	0.002	0.779
FEV1	MAP3K5	cg21506299	2	Inverse variance weighted	-0.017	0.007	-0.017 (-0.031, -0.003)	0.021	NA	NA
FEV1	TRIM65	cg26780705	2	Inverse variance weighted	-0.021	0.010	-0.021 (-0.041, -0.002)	0.031	NA	NA
FEV1	USP36	cg19024575	1	Wald ratio	0.036	0.016	0.036 (0.003, 0.068)	0.030	NA	NA
FEV1	TERT	cg27298526	7	Inverse variance weighted	-0.011	0.005	-0.011 (-0.020, -0.001)	0.028	0.002	0.491
FEV1	PRKAA2	cg09935045	6	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.002)	0.008	0.001	0.701
FEV1	AHRR;PDCD6	cg17989581	3	Inverse variance weighted	0.023	0.007	0.023 (0.009, 0.036)	0.001	0.002	0.645
FEV1	CLU	cg03735511	1	Wald ratio	0.020	0.010	0.020 (0.001, 0.039)	0.038	NA	NA
FEV1	IDUA;SLC26A1	cg21616051	18	Inverse variance weighted	-0.010	0.002	-0.010 (-0.014, -0.006)	1.45E-06	-0.002	0.112
FEV1	JAK2	cg13568515	11	Inverse variance weighted	0.006	0.002	0.006 (0.002, 0.009)	0.002	0.002	0.313
FEV1	JAK2	cg02405213	12	Inverse variance weighted	0.005	0.002	0.005 (0.001, 0.009)	0.007	-0.001	0.585
FEV1	IDUA;SLC26A1	cg15058036	1	Wald ratio	0.035	0.017	0.035 (0.002, 0.067)	0.037	NA	NA
FEV1	PTGIS	cg11746287	1	Wald ratio	-0.022	0.011	-0.022 (-0.043, -0.001)	0.037	NA	NA
FEV1	AGA	cg07155684	4	Inverse variance weighted	0.016	0.006	0.016 (0.005, 0.028)	0.005	0.002	0.632

FEV1	PERP	cg24884985	14	Inverse variance weighted	0.004	0.002	0.004 (0.001, 0.008)	0.020	-0.001	0.627
FEV1	USP36	cg24759654	1	Wald ratio	0.024	0.011	0.024 (0.001, 0.046)	0.037	NA	NA
FEV1	AIFM2	cg02308884	2	Inverse variance weighted	-0.014	0.007	-0.014 (-0.027, -0.001)	0.032	NA	NA
FEV1	STXBP1	cg13673290	1	Wald ratio	-0.021	0.010	-0.021 (-0.041, -0.001)	0.036	NA	NA
FEV1	PPP3R1	cg14414124	1	Wald ratio	-0.025	0.012	-0.025 (-0.049, -0.001)	0.037	NA	NA
FEV1	DAPK2	cg06904649	1	Wald ratio	0.025	0.012	0.025 (0.002, 0.049)	0.037	NA	NA
FEV1	TRIML2	cg17565478	1	Wald ratio	0.032	0.015	0.032 (0.002, 0.063)	0.035	NA	NA
FEV1	SLC26A1;IDUA	cg11629380	1	Wald ratio	0.039	0.018	0.039 (0.004, 0.075)	0.030	NA	NA
FEV1	NUBPL	cg18962786	1	Wald ratio	-0.027	0.014	-0.027 (-0.054, -0.000)	0.048	NA	NA
FEV1	USP36	cg01449677	1	Wald ratio	0.027	0.013	0.027 (0.002, 0.053)	0.037	NA	NA
FEV1	STAT5B	cg18810026	1	Wald ratio	-0.016	0.008	-0.016 (-0.032, -0.001)	0.041	NA	NA
FEV1	ENTPD4	cg02151632	6	Inverse variance weighted	-0.007	0.003	-0.007 (-0.013, -0.002)	0.006	-0.002	0.375
FEV1	NCK2	cg14131038	11	Inverse variance weighted	0.013	0.003	0.013 (0.006, 0.019)	6.15E-05	0.001	0.769
FEV1	DAPK2	cg24729988	1	Wald ratio	-0.028	0.013	-0.028 (-0.054, -0.002)	0.037	NA	NA
FEV1	DAXX	cg14910283	1	Wald ratio	0.035	0.017	0.035 (0.003, 0.068)	0.033	NA	NA
FEV1	C15orf37;ST20	cg01351869	1	Wald ratio	-0.031	0.015	-0.031 (-0.060, -0.002)	0.035	NA	NA
FEV1	STAT5A	cg20388732	1	Wald ratio	-0.018	0.009	-0.018 (-0.036, -0.001)	0.041	NA	NA
FEV1	STAT3	cg05487134	2	Inverse variance weighted	0.020	0.008	0.020 (0.006, 0.035)	0.006	NA	NA
FEV1	ELANE	cg02487452	2	Inverse variance weighted	0.014	0.006	0.014 (0.002, 0.026)	0.023	NA	NA
FEV1	KIF25	cg03662475	1	Wald ratio	-0.033	0.015	-0.033 (-0.063, -0.002)	0.034	NA	NA
FEV1	MAP3K5	cg10599345	8	Inverse variance weighted	0.005	0.002	0.005 (0.000, 0.009)	0.035	0.000	0.855
FEV1	ASAH1	cg18067069	13	Inverse variance weighted	-0.006	0.002	-0.006 (-0.011, -0.001)	0.012	0.000	0.866
FEV1	CLN5	cg04565255	13	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.001)	0.015	0.000	0.995
FEV1	GSDMA	cg19422138	1	Wald ratio	0.028	0.013	0.028 (0.002, 0.054)	0.038	NA	NA
FEV1	COL2A1	cg19066141	1	Wald ratio	0.018	0.009	0.018 (0.001, 0.036)	0.042	NA	NA
FEV1	CD44	cg16344511	7	Inverse variance weighted	-0.015	0.006	-0.015 (-0.027, -0.004)	0.011	-0.002	0.597
FEV1	RBCK1	cg13812132	2	Inverse variance weighted	-0.020	0.008	-0.020 (-0.037, -0.004)	0.015	NA	NA
FEV1	NR4A2	cg02964555	1	Wald ratio	0.027	0.013	0.027 (0.001, 0.052)	0.040	NA	NA
FEV1	CSNK2A1	cg07789225	1	Wald ratio	-0.037	0.017	-0.037 (-0.071, -0.003)	0.034	NA	NA
FEV1	EXOC4	cg25467879	3	Inverse variance weighted	0.024	0.007	0.024 (0.011, 0.038)	4.77E-04	0.038	0.702
FEV1	STAT5A	cg03001305	1	Wald ratio	0.023	0.011	0.023 (0.001, 0.046)	0.041	NA	NA
FEV1	AP3B2	cg18253757	2	Inverse variance weighted	0.039	0.012	0.039 (0.015, 0.062)	0.002	NA	NA
FEV1	GBA	cg02834765	2	Inverse variance weighted	0.030	0.010	0.030 (0.011, 0.048)	0.002	NA	NA
FEV1	NLRC4	cg22713339	1	Wald ratio	0.012	0.006	0.012 (0.000, 0.023)	0.046	NA	NA
FEV1	STAT5A	cg06357561	1	Wald ratio	0.025	0.012	0.025 (0.001, 0.049)	0.041	NA	NA
FEV1	ENO1	cg12711814	1	Wald ratio	0.024	0.012	0.024 (0.001, 0.047)	0.042	NA	NA
FEV1	USP36	cg23797032	1	Wald ratio	0.035	0.017	0.035 (0.002, 0.067)	0.037	NA	NA
FEV1	WIPI2	cg15277378	2	Inverse variance weighted	0.018	0.007	0.018 (0.004, 0.031)	0.010	NA	NA
FEV1	HIF1A	cg04509825	1	Wald ratio	0.023	0.011	0.023 (0.001, 0.045)	0.043	NA	NA
FEV1	ERN1	cg14603886	1	Wald ratio	-0.031	0.015	-0.031 (-0.060, -0.002)	0.039	NA	NA
FEV1	RPTOR	cg01432609	1	Wald ratio	0.033	0.016	0.033 (0.002, 0.064)	0.038	NA	NA
FEV1	CLNK	cg03485217	3	Inverse variance weighted	0.018	0.006	0.018 (0.006, 0.029)	0.003	-0.002	0.873

FEV1	JAK1	cg22945413	7	Inverse variance weighted	0.012	0.004	0.012 (0.005, 0.020)	0.001	0.002	0.487
FEV1	ELANE	cg21586152	2	Inverse variance weighted	0.024	0.010	0.024 (0.003, 0.044)	0.021	NA	NA
FEV1	SNORD71;AP1G1	cg05708656	1	Wald ratio	-0.036	0.017	-0.036 (-0.069, -0.002)	0.037	NA	NA
FEV1	MET	cg27472701	1	Wald ratio	-0.028	0.014	-0.028 (-0.054, -0.001)	0.042	NA	NA
FEV1	TGFB1	cg20748073	1	Wald ratio	-0.020	0.010	-0.020 (-0.039, -0.000)	0.046	NA	NA
FEV1/FVC	TRIM27	cg03270340	5	Inverse variance weighted	0.035	0.005	0.035 (0.025, 0.044)	1.96E-12	0.005	0.064
FEV1/FVC	PCGF2	cg02433498	1	Wald ratio	0.097	0.010	0.097 (0.077, 0.117)	2.10E-21	NA	NA
FEV1/FVC	GAB2	cg24769381	13	Inverse variance weighted	0.016	0.002	0.016 (0.011, 0.020)	6.21E-12	0.000	0.904
FEV1/FVC	PCGF2	cg18896448	1	Wald ratio	0.118	0.013	0.118 (0.094, 0.143)	2.78E-21	NA	NA
FEV1/FVC	GAB2	cg26672202	5	Inverse variance weighted	-0.021	0.006	-0.021 (-0.032, -0.010)	1.20E-04	0.009	0.061
FEV1/FVC	SFRP2	cg23207990	2	Inverse variance weighted	0.047	0.007	0.047 (0.034, 0.061)	3.45E-12	NA	NA
FEV1/FVC	SFRP2	cg23121156	2	Inverse variance weighted	0.052	0.008	0.052 (0.037, 0.067)	5.09E-12	NA	NA
FEV1/FVC	ATP6V0D1;AGRP	cg07871059	1	Wald ratio	-0.109	0.013	-0.109 (-0.135, -0.084)	9.48E-17	NA	NA
FEV1/FVC	ATP13A2	cg16027378	1	Wald ratio	0.190	0.017	0.190 (0.157, 0.223)	2.32E-29	NA	NA
FEV1/FVC	ERBB3	cg23731805	1	Wald ratio	0.044	0.008	0.044 (0.029, 0.059)	8.41E-09	NA	NA
FEV1/FVC	EP300	cg20730595	4	Inverse variance weighted	0.041	0.007	0.041 (0.027, 0.056)	1.51E-08	0.005	0.629
FEV1/FVC	NEU1	cg27645345	1	Wald ratio	0.233	0.020	0.233 (0.194, 0.272)	5.62E-32	NA	NA
FEV1/FVC	ERBB3	cg10869879	2	Inverse variance weighted	0.040	0.013	0.040 (0.015, 0.066)	0.002	NA	NA
FEV1/FVC	SFRP2	cg09788843	2	Inverse variance weighted	-0.049	0.020	-0.049 (-0.087, -0.010)	0.013	NA	NA
FEV1/FVC	SFRP2	cg13357229	3	Inverse variance weighted	-0.039	0.018	-0.039 (-0.074, -0.004)	0.030	0.004	0.925
FEV1/FVC	SFRP2	cg05241277	1	Wald ratio	-0.075	0.012	-0.075 (-0.098, -0.052)	1.89E-10	NA	NA
FEV1/FVC	GAB2	cg07780377	1	Wald ratio	0.079	0.012	0.079 (0.055, 0.103)	1.09E-10	NA	NA
FEV1/FVC	SFRP2	cg24241928	1	Wald ratio	-0.051	0.009	-0.051 (-0.069, -0.034)	1.10E-08	NA	NA
FEV1/FVC	SFRP2	cg20727217	1	Wald ratio	-0.077	0.012	-0.077 (-0.101, -0.053)	1.89E-10	NA	NA
FEV1/FVC	SFRP2	cg14435644	2	Inverse variance weighted	-0.054	0.023	-0.054 (-0.100, -0.009)	0.019	NA	NA
FEV1/FVC	WDR41	cg26820915	12	Inverse variance weighted	-0.009	0.003	-0.009 (-0.015, -0.003)	0.005	0.000	0.924
FEV1/FVC	NEU1	cg13634177	1	Wald ratio	0.173	0.018	0.173 (0.137, 0.208)	1.05E-21	NA	NA
FEV1/FVC	SFRP2	cg23502475	2	Inverse variance weighted	-0.057	0.015	-0.057 (-0.086, -0.027)	1.54E-04	NA	NA
FEV1/FVC	SFRP2	cg10663078	2	Inverse variance weighted	-0.061	0.024	-0.061 (-0.109, -0.013)	0.013	NA	NA
FEV1/FVC	CSF2	cg08324925	4	Inverse variance weighted	0.043	0.015	0.043 (0.014, 0.072)	0.004	-0.002	0.918
FEV1/FVC	SFRP2	cg21630608	1	Wald ratio	-0.076	0.012	-0.076 (-0.100, -0.051)	1.27E-09	NA	NA
FEV1/FVC	ING5	cg13140981	4	Inverse variance weighted	-0.020	0.007	-0.020 (-0.033, -0.007)	0.003	0.003	0.706
FEV1/FVC	TRIM27	cg27120125	2	Inverse variance weighted	0.103	0.025	0.103 (0.054, 0.152)	3.53E-05	NA	NA
FEV1/FVC	TGFB2	cg07810039	1	Wald ratio	0.112	0.013	0.112 (0.086, 0.138)	8.42E-18	NA	NA
FEV1/FVC	GAB2	cg13319772	1	Wald ratio	0.088	0.014	0.088 (0.061, 0.115)	1.83E-10	NA	NA
FEV1/FVC	RAF1	cg23032965	18	Inverse variance weighted	-0.011	0.002	-0.011 (-0.015, -0.006)	2.47E-06	0.000	0.812
FEV1/FVC	CAPZB	cg23519022	2	Inverse variance weighted	0.052	0.016	0.052 (0.020, 0.083)	0.001	NA	NA
FEV1/FVC	ORMDL3	cg12655416	11	Inverse variance weighted	0.022	0.005	0.022 (0.012, 0.031)	7.64E-06	0.000	0.959
FEV1/FVC	SFRP2	cg13732865	2	Inverse variance weighted	-0.060	0.015	-0.060 (-0.089, -0.031)	5.49E-05	NA	NA
FEV1/FVC	BLK	cg24861686	13	Inverse variance weighted	0.033	0.004	0.033 (0.025, 0.041)	8.42E-17	0.002	0.581
FEV1/FVC	BMF	cg09749364	1	Wald ratio	0.098	0.015	0.098 (0.068, 0.128)	1.16E-10	NA	NA
FEV1/FVC	SFRP2	cg04959480	1	Wald ratio	-0.080	0.013	-0.080 (-0.106, -0.053)	3.06E-09	NA	NA

FEV1/FVC	CTTN	cg15465439	2	Inverse variance weighted	-0.028	0.009	-0.028 (-0.045, -0.011)	0.001	NA	NA
FEV1/FVC	WDR41	cg02017109	2	Inverse variance weighted	-0.024	0.009	-0.024 (-0.042, -0.006)	0.008	NA	NA
FEV1/FVC	FEZ2	cg15105969	26	Inverse variance weighted	0.017	0.003	0.017 (0.010, 0.023)	6.36E-07	0.002	0.487
FEV1/FVC	FEZ2	cg10546459	24	Inverse variance weighted	0.015	0.003	0.015 (0.008, 0.021)	1.07E-05	0.001	0.800
FEV1/FVC	GAB2	cg25502267	1	Wald ratio	0.083	0.014	0.083 (0.056, 0.111)	2.38E-09	NA	NA
FEV1/FVC	MUC1	cg18804777	2	Inverse variance weighted	-0.054	0.016	-0.054 (-0.086, -0.023)	7.05E-04	NA	NA
FEV1/FVC	GAB2	cg13226797	1	Wald ratio	0.097	0.015	0.097 (0.068, 0.126)	8.03E-11	NA	NA
FEV1/FVC	ERBB3	cg00907267	1	Wald ratio	0.076	0.013	0.076 (0.050, 0.102)	1.07E-08	NA	NA
FEV1/FVC	ORMDL3	cg18711369	14	Inverse variance weighted	0.018	0.003	0.018 (0.012, 0.025)	1.22E-07	0.004	0.256
FEV1/FVC	WDR41	cg14666655	1	Wald ratio	-0.056	0.018	-0.056 (-0.092, -0.020)	0.002	NA	NA
FEV1/FVC	ATP6V0D1	cg06120000	1	Wald ratio	0.095	0.015	0.095 (0.064, 0.125)	7.50E-10	NA	NA
FEV1/FVC	FGFR1	cg15321288	7	Inverse variance weighted	0.016	0.005	0.016 (0.007, 0.025)	7.07E-04	0.000	0.970
FEV1/FVC	SMCR8	cg19346202	3	Inverse variance weighted	0.032	0.008	0.032 (0.018, 0.047)	1.96E-05	0.006	0.687
FEV1/FVC	ATP6V0A2	cg21179092	1	Wald ratio	0.052	0.010	0.052 (0.032, 0.072)	2.98E-07	NA	NA
FEV1/FVC	FEZ2	cg11324054	2	Inverse variance weighted	0.066	0.009	0.066 (0.047, 0.084)	1.17E-12	NA	NA
FEV1/FVC	CSF2	cg13259290	2	Inverse variance weighted	0.057	0.009	0.057 (0.039, 0.075)	5.85E-10	NA	NA
FEV1/FVC	GSDMB	cg10057218	8	Inverse variance weighted	0.026	0.007	0.026 (0.011, 0.040)	4.37E-04	0.008	0.112
FEV1/FVC	AP4E1	cg21246271	2	Inverse variance weighted	0.041	0.013	0.041 (0.015, 0.067)	0.002	NA	NA
FEV1/FVC	PPP1R13B	cg11829633	25	Inverse variance weighted	0.012	0.002	0.012 (0.009, 0.016)	3.35E-13	0.003	0.058
FEV1/FVC	CD28	cg10240150	3	Inverse variance weighted	0.032	0.008	0.032 (0.016, 0.047)	7.22E-05	-0.008	0.552
FEV1/FVC	RAF1	cg13703021	1	Wald ratio	-0.045	0.010	-0.045 (-0.064, -0.027)	1.94E-06	NA	NA
FEV1/FVC	CTTN	cg27326318	1	Wald ratio	-0.057	0.011	-0.057 (-0.080, -0.035)	5.73E-07	NA	NA
FEV1/FVC	SESN1	cg17117243	2	Inverse variance weighted	0.026	0.011	0.026 (0.004, 0.049)	0.020	NA	NA
FEV1/FVC	PPP1R13B	cg08213375	17	Inverse variance weighted	-0.015	0.002	-0.015 (-0.019, -0.010)	1.43E-10	-0.003	0.055
FEV1/FVC	MTMR9	cg06240162	1	Wald ratio	-0.096	0.016	-0.096 (-0.127, -0.065)	9.07E-10	NA	NA
FEV1/FVC	TP53INP2	cg00876694	2	Inverse variance weighted	-0.063	0.011	-0.063 (-0.084, -0.042)	3.04E-09	NA	NA
FEV1/FVC	MET	cg27472701	1	Wald ratio	-0.075	0.014	-0.075 (-0.103, -0.047)	1.03E-07	NA	NA
FEV1/FVC	CTTN	cg14191688	1	Wald ratio	-0.039	0.008	-0.039 (-0.055, -0.022)	4.96E-06	NA	NA
FEV1/FVC	CAPZB	cg13319175	1	Wald ratio	-0.094	0.016	-0.094 (-0.126, -0.063)	3.80E-09	NA	NA
FEV1/FVC	ORMDL3	cg22144450	9	Inverse variance weighted	0.030	0.006	0.030 (0.018, 0.042)	1.23E-06	0.007	0.188
FEV1/FVC	TRIM8	cg06662132	1	Wald ratio	0.074	0.014	0.074 (0.046, 0.101)	1.29E-07	NA	NA
FEV1/FVC	CLEC16A	cg10390979	1	Wald ratio	-0.045	0.010	-0.045 (-0.064, -0.026)	3.24E-06	NA	NA
FEV1/FVC	GAB2	cg12700464	1	Wald ratio	0.122	0.018	0.122 (0.087, 0.157)	1.19E-11	NA	NA
FEV1/FVC	BLK	cg04335815	3	Inverse variance weighted	0.031	0.011	0.031 (0.009, 0.053)	0.006	-0.048	0.259
FEV1/FVC	SFRP2	cg07999845	1	Wald ratio	-0.094	0.016	-0.094 (-0.126, -0.062)	1.10E-08	NA	NA
FEV1/FVC	GSDMA	cg24910161	13	Inverse variance weighted	0.018	0.004	0.018 (0.010, 0.026)	2.02E-05	0.007	0.054
FEV1/FVC	GSDMA	cg26162295	12	Inverse variance weighted	0.017	0.004	0.017 (0.010, 0.025)	4.72E-06	0.006	0.198
FEV1/FVC	SFRP2	cg01821854	2	Inverse variance weighted	-0.062	0.018	-0.062 (-0.098, -0.026)	7.39E-04	NA	NA
FEV1/FVC	CTTN	cg16061668	1	Wald ratio	-0.054	0.011	-0.054 (-0.077, -0.032)	1.95E-06	NA	NA
FEV1/FVC	SFRP2	cg23292160	1	Wald ratio	-0.093	0.016	-0.093 (-0.125, -0.060)	1.81E-08	NA	NA
FEV1/FVC	ERBB3	cg17843101	1	Wald ratio	-0.055	0.012	-0.055 (-0.078, -0.032)	2.03E-06	NA	NA
FEV1/FVC	PHLDA3	cg18569595	2	Inverse variance weighted	-0.028	0.008	-0.028 (-0.044, -0.012)	5.28E-04	NA	NA

FEV1/FVC	FOXO1	cg23413567	1	Wald ratio	0.047	0.010	0.047 (0.027, 0.067)	4.51E-06	NA	NA
FEV1/FVC	MNT	cg27406664	21	Inverse variance weighted	0.014	0.003	0.014 (0.009, 0.019)	3.26E-08	0.003	0.181
FEV1/FVC	ICAM4;ICAM1	cg00500176	7	Inverse variance weighted	-0.019	0.005	-0.019 (-0.029, -0.008)	5.00E-04	0.005	0.312
FEV1/FVC	GSDMB	cg27435903	3	Inverse variance weighted	-0.040	0.020	-0.040 (-0.080, -0.001)	0.046	-0.020	0.503
FEV1/FVC	ATP6V0D1	cg04726373	1	Wald ratio	-0.058	0.012	-0.058 (-0.082, -0.034)	2.45E-06	NA	NA
FEV1/FVC	FGFR1	cg24828864	2	Inverse variance weighted	0.042	0.020	0.042 (0.003, 0.081)	0.033	NA	NA
FEV1/FVC	SUMF1	cg24840601	1	Wald ratio	0.057	0.012	0.057 (0.033, 0.081)	2.50E-06	NA	NA
FEV1/FVC	RASIP1	cg12258179	1	Wald ratio	0.049	0.011	0.049 (0.028, 0.070)	6.80E-06	NA	NA
FEV1/FVC	SFRP2	cg23910835	1	Wald ratio	-0.115	0.019	-0.115 (-0.152, -0.078)	1.27E-09	NA	NA
FEV1/FVC	TSGA10;LIPT1	cg13789186	8	Inverse variance weighted	-0.022	0.007	-0.022 (-0.036, -0.009)	0.001	-0.001	0.857
FEV1/FVC	ATP2A3	cg18963239	2	Inverse variance weighted	0.036	0.013	0.036 (0.011, 0.062)	0.005	NA	NA
FEV1/FVC	SFRP2	cg22178613	6	Inverse variance weighted	0.027	0.004	0.027 (0.020, 0.035)	4.78E-12	0.004	0.277
FEV1/FVC	ATG7	cg11277834	1	Wald ratio	0.036	0.008	0.036 (0.019, 0.052)	2.24E-05	NA	NA
FEV1/FVC	BLK	cg26161004	9	Inverse variance weighted	-0.024	0.008	-0.024 (-0.040, -0.009)	0.002	-0.006	0.219
FEV1/FVC	TSC2;NTHL1	cg09123625	1	Wald ratio	0.049	0.011	0.049 (0.027, 0.070)	1.02E-05	NA	NA
FEV1/FVC	EPHA2	cg21647035	4	Inverse variance weighted	-0.032	0.006	-0.032 (-0.044, -0.020)	8.15E-08	-0.002	0.700
FEV1/FVC	CHAC1	cg07891971	1	Wald ratio	0.078	0.015	0.078 (0.048, 0.108)	4.26E-07	NA	NA
FEV1/FVC	CSF2	cg26369418	1	Wald ratio	0.084	0.016	0.084 (0.052, 0.116)	2.98E-07	NA	NA
FEV1/FVC	ATP6V1E2	cg02822958	17	Inverse variance weighted	-0.010	0.002	-0.010 (-0.014, -0.006)	5.44E-08	-0.002	0.329
FEV1/FVC	CTTN	cg07005180	1	Wald ratio	-0.075	0.016	-0.075 (-0.105, -0.044)	1.64E-06	NA	NA
FEV1/FVC	VGLL4;ATG7	cg02131130	1	Wald ratio	0.044	0.010	0.044 (0.023, 0.064)	2.59E-05	NA	NA
FEV1/FVC	RASIP1	cg15673069	3	Inverse variance weighted	0.023	0.005	0.023 (0.013, 0.034)	5.70E-06	0.002	0.799
FEV1/FVC	FOXO1	cg11244402	1	Wald ratio	0.028	0.007	0.028 (0.014, 0.042)	6.33E-05	NA	NA
FEV1/FVC	PPT2;PRRT1	cg01111041	1	Wald ratio	-0.079	0.017	-0.079 (-0.113, -0.046)	3.35E-06	NA	NA
FEV1/FVC	FOXK2	cg20173014	1	Wald ratio	0.037	0.009	0.037 (0.019, 0.055)	5.31E-05	NA	NA
FEV1/FVC	CUL4A	cg10914120	1	Wald ratio	-0.050	0.012	-0.050 (-0.073, -0.027)	2.51E-05	NA	NA
FEV1/FVC	ATP6V0A2	cg16376770	1	Wald ratio	-0.078	0.016	-0.078 (-0.110, -0.046)	1.65E-06	NA	NA
FEV1/FVC	SESN1;C6orf182	cg01304950	1	Wald ratio	0.030	0.008	0.030 (0.015, 0.045)	8.00E-05	NA	NA
FEV1/FVC	CUL4A	cg10012867	1	Wald ratio	-0.047	0.011	-0.047 (-0.069, -0.024)	4.01E-05	NA	NA
FEV1/FVC	ICAM1	cg24354612	1	Wald ratio	-0.055	0.013	-0.055 (-0.080, -0.029)	2.33E-05	NA	NA
FEV1/FVC	IL6R	cg20688791	1	Wald ratio	-0.056	0.013	-0.056 (-0.082, -0.030)	2.24E-05	NA	NA
FEV1/FVC	KDR	cg07098391	1	Wald ratio	-0.090	0.018	-0.090 (-0.125, -0.054)	6.99E-07	NA	NA
FEV1/FVC	EPHA2	cg24494577	1	Wald ratio	0.037	0.009	0.037 (0.019, 0.055)	7.49E-05	NA	NA
FEV1/FVC	MYH9	cg01816775	5	Inverse variance weighted	-0.014	0.007	-0.014 (-0.027, -0.001)	0.038	0.006	0.534
FEV1/FVC	ATP6V1E2	cg04944393	1	Wald ratio	0.058	0.014	0.058 (0.032, 0.085)	1.77E-05	NA	NA
FEV1/FVC	CUL4A	cg17689702	1	Wald ratio	-0.046	0.011	-0.046 (-0.069, -0.024)	4.67E-05	NA	NA
FEV1/FVC	ITGAV	cg15732657	1	Wald ratio	0.032	0.008	0.032 (0.016, 0.048)	1.01E-04	NA	NA
FEV1/FVC	PHLDA3	cg04055835	3	Inverse variance weighted	0.032	0.011	0.032 (0.010, 0.054)	0.004	0.007	0.786
FEV1/FVC	FLCN	cg04863514	1	Wald ratio	-0.038	0.010	-0.038 (-0.057, -0.019)	9.62E-05	NA	NA
FEV1/FVC	ATP6V1E2	cg26688816	18	Inverse variance weighted	0.011	0.002	0.011 (0.006, 0.015)	4.21E-06	0.003	0.112
FEV1/FVC	RAF1	cg26432171	4	Inverse variance weighted	0.030	0.009	0.030 (0.012, 0.048)	0.001	0.005	0.482
FEV1/FVC	MYH9	cg17163767	3	Inverse variance weighted	-0.023	0.006	-0.023 (-0.035, -0.012)	1.03E-04	0.006	0.522

FEV1/FVC	FASTK;TMUB1	cg03930004	1	Wald ratio	0.050	0.012	0.050 (0.026, 0.074)	4.44E-05	NA	NA
FEV1/FVC	ATG7	cg12120750	1	Wald ratio	-0.044	0.011	-0.044 (-0.065, -0.022)	6.33E-05	NA	NA
FEV1/FVC	PGD	cg13938663	2	Inverse variance weighted	-0.039	0.008	-0.039 (-0.054, -0.023)	1.30E-06	NA	NA
FEV1/FVC	MAMSTR;RASIP1	cg18886062	1	Wald ratio	0.059	0.014	0.059 (0.032, 0.086)	2.57E-05	NA	NA
FEV1/FVC	RPTOR	cg06153925	13	Inverse variance weighted	-0.010	0.002	-0.010 (-0.015, -0.005)	2.47E-05	-0.001	0.720
FEV1/FVC	RPTOR	cg09592546	11	Inverse variance weighted	0.007	0.002	0.007 (0.002, 0.011)	0.007	-0.002	0.252
FEV1/FVC	LTBR	cg24621362	1	Wald ratio	0.030	0.008	0.030 (0.014, 0.045)	1.58E-04	NA	NA
FEV1/FVC	RPTOR	cg06418238	14	Inverse variance weighted	-0.009	0.002	-0.009 (-0.013, -0.004)	7.56E-05	-0.001	0.519
FEV1/FVC	FOXF1	cg01168283	2	Inverse variance weighted	-0.032	0.007	-0.032 (-0.045, -0.019)	1.12E-06	NA	NA
FEV1/FVC	CTTN	cg12127706	12	Inverse variance weighted	0.011	0.003	0.011 (0.004, 0.017)	0.001	-0.003	0.257
FEV1/FVC	WDR41	cg12888834	1	Wald ratio	-0.065	0.015	-0.065 (-0.095, -0.035)	2.14E-05	NA	NA
FEV1/FVC	LTBR	cg19476647	1	Wald ratio	0.034	0.009	0.034 (0.017, 0.052)	1.58E-04	NA	NA
FEV1/FVC	RAF1	cg02420927	2	Inverse variance weighted	-0.044	0.014	-0.044 (-0.070, -0.017)	0.001	NA	NA
FEV1/FVC	CTTN	cg16629523	9	Inverse variance weighted	0.013	0.004	0.013 (0.005, 0.022)	0.002	-0.002	0.406
FEV1/FVC	SFRP1	cg14904908	1	Wald ratio	-0.038	0.010	-0.038 (-0.058, -0.019)	1.07E-04	NA	NA
FEV1/FVC	FASTK;TMUB1	cg10702041	1	Wald ratio	0.041	0.011	0.041 (0.020, 0.062)	1.26E-04	NA	NA
FEV1/FVC	RPTOR	cg22878693	12	Inverse variance weighted	-0.008	0.002	-0.008 (-0.013, -0.004)	1.09E-04	0.000	0.890
FEV1/FVC	RPTOR	cg08454507	13	Inverse variance weighted	-0.009	0.003	-0.009 (-0.015, -0.004)	8.44E-04	-0.002	0.424
FEV1/FVC	RPTOR	cg16015295	12	Inverse variance weighted	-0.007	0.004	-0.007 (-0.014, -0.000)	0.040	0.000	0.963
FEV1/FVC	FGFR1	cg12614213	1	Wald ratio	-0.065	0.015	-0.065 (-0.095, -0.036)	1.47E-05	NA	NA
FEV1/FVC	RPTOR	cg06872548	11	Inverse variance weighted	-0.009	0.002	-0.009 (-0.013, -0.005)	1.06E-05	-0.002	0.378
FEV1/FVC	RPTOR	cg22386583	4	Inverse variance weighted	-0.016	0.004	-0.016 (-0.024, -0.008)	1.03E-04	0.000	0.972
FEV1/FVC	CTTN	cg02011981	1	Wald ratio	-0.083	0.018	-0.083 (-0.119, -0.048)	4.08E-06	NA	NA
FEV1/FVC	CTTN	cg22720428	1	Wald ratio	-0.084	0.018	-0.084 (-0.121, -0.048)	4.84E-06	NA	NA
FEV1/FVC	DAXX	cg27052777	1	Wald ratio	0.048	0.012	0.048 (0.024, 0.072)	1.07E-04	NA	NA
FEV1/FVC	CTTN	cg25587405	1	Wald ratio	-0.082	0.018	-0.082 (-0.118, -0.046)	8.03E-06	NA	NA
FEV1/FVC	TOP3A;SMCR8	cg23045404	1	Wald ratio	-0.081	0.018	-0.081 (-0.116, -0.045)	8.14E-06	NA	NA
FEV1/FVC	LGALS3	cg09939831	1	Wald ratio	0.081	0.018	0.081 (0.046, 0.117)	8.14E-06	NA	NA
FEV1/FVC	EYA4	cg17985029	13	Inverse variance weighted	0.009	0.004	0.009 (0.001, 0.017)	0.024	-0.004	0.191
FEV1/FVC	BAX	cg27565645	4	Inverse variance weighted	0.017	0.003	0.017 (0.011, 0.023)	2.36E-07	0.003	0.579
FEV1/FVC	RPS27L	cg23837188	2	Inverse variance weighted	0.026	0.006	0.026 (0.014, 0.038)	2.27E-05	NA	NA
FEV1/FVC	TFDP2	cg00217306	2	Inverse variance weighted	-0.028	0.008	-0.028 (-0.044, -0.011)	0.001	NA	NA
FEV1/FVC	ATP6V1E2	cg15759873	1	Wald ratio	-0.068	0.016	-0.068 (-0.100, -0.036)	3.09E-05	NA	NA
FEV1/FVC	FASTK;TMUB1	cg18068487	1	Wald ratio	-0.066	0.016	-0.066 (-0.097, -0.034)	4.44E-05	NA	NA
FEV1/FVC	IL13	cg04303330	4	Inverse variance weighted	0.036	0.016	0.036 (0.006, 0.066)	0.020	0.010	0.271
FEV1/FVC	BMF	cg07887985	1	Wald ratio	-0.065	0.016	-0.065 (-0.097, -0.034)	4.44E-05	NA	NA
FEV1/FVC	IDUA	cg05327835	1	Wald ratio	-0.065	0.016	-0.065 (-0.096, -0.033)	4.72E-05	NA	NA
FEV1/FVC	WNT4	cg17022577	4	Inverse variance weighted	-0.035	0.012	-0.035 (-0.060, -0.011)	0.005	-0.009	0.140
FEV1/FVC	LIPT1;TSGA10	cg06240854	1	Wald ratio	-0.056	0.014	-0.056 (-0.084, -0.028)	1.04E-04	NA	NA
FEV1/FVC	GNPTAB	cg03756485	3	Inverse variance weighted	0.017	0.006	0.017 (0.005, 0.030)	0.005	-0.001	0.946
FEV1/FVC	FOXK2	cg11779900	6	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.013)	0.023	-0.006	0.093
FEV1/FVC	BMF	cg26662201	1	Wald ratio	-0.065	0.016	-0.065 (-0.096, -0.033)	6.33E-05	NA	NA

FEV1/FVC	IL13	cg13566430	4	Inverse variance weighted	0.041	0.018	0.041 (0.006, 0.076)	0.023	0.011	0.254
FEV1/FVC	RPTOR	cg04295549	2	Inverse variance weighted	0.035	0.009	0.035 (0.018, 0.053)	7.80E-05	NA	NA
FEV1/FVC	AKT1	cg01921845	6	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.014)	0.005	-0.002	0.668
FEV1/FVC	ST20;C15orf37	cg26673396	10	Inverse variance weighted	-0.015	0.003	-0.015 (-0.022, -0.008)	9.65E-06	-0.002	0.477
FEV1/FVC	FOXO1	cg14168545	1	Wald ratio	-0.038	0.011	-0.038 (-0.061, -0.016)	8.19E-04	NA	NA
FEV1/FVC	BIK	cg13934236	2	Inverse variance weighted	-0.035	0.014	-0.035 (-0.063, -0.007)	0.013	NA	NA
FEV1/FVC	SFRP1	cg03133371	1	Wald ratio	-0.057	0.015	-0.057 (-0.085, -0.028)	1.07E-04	NA	NA
FEV1/FVC	ST20	cg21315874	19	Inverse variance weighted	0.013	0.003	0.013 (0.007, 0.018)	1.92E-06	0.000	0.964
FEV1/FVC	MYH9	cg06765172	1	Wald ratio	-0.050	0.013	-0.050 (-0.076, -0.024)	1.94E-04	NA	NA
FEV1/FVC	ACSL5	cg13849691	1	Wald ratio	0.035	0.010	0.035 (0.015, 0.054)	5.01E-04	NA	NA
FEV1/FVC	ST20	cg11839771	14	Inverse variance weighted	-0.013	0.003	-0.013 (-0.019, -0.008)	8.84E-07	0.000	0.862
FEV1/FVC	MTMR9	cg12981288	1	Wald ratio	-0.045	0.013	-0.045 (-0.070, -0.021)	2.89E-04	NA	NA
FEV1/FVC	RASIP1	cg23082877	1	Wald ratio	0.042	0.012	0.042 (0.019, 0.066)	3.98E-04	NA	NA
FEV1/FVC	PIAS4	cg24479928	1	Wald ratio	0.043	0.012	0.043 (0.019, 0.067)	4.38E-04	NA	NA
FEV1/FVC	SFRP1	cg01074584	1	Wald ratio	-0.057	0.015	-0.057 (-0.086, -0.028)	1.26E-04	NA	NA
FEV1/FVC	MAMSTR;RASIP1	cg10404009	1	Wald ratio	0.036	0.010	0.036 (0.015, 0.056)	5.44E-04	NA	NA
FEV1/FVC	DAXX	cg14910283	1	Wald ratio	0.067	0.017	0.067 (0.033, 0.101)	1.07E-04	NA	NA
FEV1/FVC	EYA4	cg21296676	1	Wald ratio	0.038	0.011	0.038 (0.017, 0.059)	4.65E-04	NA	NA
FEV1/FVC	NFE2L2	cg21570130	7	Inverse variance weighted	-0.012	0.004	-0.012 (-0.021, -0.003)	0.008	0.003	0.375
FEV1/FVC	FLCN	cg19830245	1	Wald ratio	-0.074	0.019	-0.074 (-0.110, -0.037)	7.29E-05	NA	NA
FEV1/FVC	FOXO1	cg09792463	3	Inverse variance weighted	0.018	0.007	0.018 (0.005, 0.032)	0.008	-0.003	0.699
FEV1/FVC	CD68	cg21808406	1	Wald ratio	-0.049	0.014	-0.049 (-0.075, -0.022)	3.39E-04	NA	NA
FEV1/FVC	AP1M2	cg11657665	6	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.003)	0.007	0.001	0.768
FEV1/FVC	FER	cg16174681	2	Inverse variance weighted	-0.026	0.007	-0.026 (-0.041, -0.012)	3.91E-04	NA	NA
FEV1/FVC	FOXF1	cg01142386	1	Wald ratio	-0.045	0.013	-0.045 (-0.069, -0.020)	4.49E-04	NA	NA
FEV1/FVC	GSDMA	cg08995595	1	Wald ratio	0.041	0.012	0.041 (0.018, 0.065)	5.44E-04	NA	NA
FEV1/FVC	WNT4	cg12098183	1	Wald ratio	-0.032	0.010	-0.032 (-0.052, -0.012)	0.001	NA	NA
FEV1/FVC	RPTOR	cg07786220	11	Inverse variance weighted	-0.014	0.003	-0.014 (-0.020, -0.008)	1.94E-05	-0.002	0.336
FEV1/FVC	GSDMB	cg12360886	1	Wald ratio	0.071	0.018	0.071 (0.035, 0.107)	1.07E-04	NA	NA
FEV1/FVC	TP63	cg05129081	12	Inverse variance weighted	-0.007	0.003	-0.007 (-0.012, -0.002)	0.010	0.003	0.091
FEV1/FVC	RPTOR	cg13311292	1	Wald ratio	0.055	0.015	0.055 (0.025, 0.085)	3.31E-04	NA	NA
FEV1/FVC	DAXX	cg09992055	1	Wald ratio	0.062	0.017	0.062 (0.029, 0.095)	2.09E-04	NA	NA
FEV1/FVC	GATA4	cg01546563	6	Inverse variance weighted	-0.020	0.010	-0.020 (-0.040, -0.000)	0.045	0.000	0.981
FEV1/FVC	SFRP1	cg10406295	1	Wald ratio	-0.066	0.017	-0.066 (-0.099, -0.033)	8.98E-05	NA	NA
FEV1/FVC	PARK7	cg15591616	2	Inverse variance weighted	-0.019	0.010	-0.019 (-0.038, -0.000)	0.046	NA	NA
FEV1/FVC	RPTOR	cg20937981	5	Inverse variance weighted	-0.019	0.004	-0.019 (-0.028, -0.011)	1.01E-05	-0.003	0.363
FEV1/FVC	PPP1R13B	cg09351176	1	Wald ratio	-0.066	0.017	-0.066 (-0.100, -0.031)	1.77E-04	NA	NA
FEV1/FVC	CAPZB	cg24593138	21	Inverse variance weighted	0.007	0.003	0.007 (0.002, 0.013)	0.008	0.000	0.970
FEV1/FVC	BAX	cg26673286	1	Wald ratio	-0.039	0.011	-0.039 (-0.061, -0.018)	3.77E-04	NA	NA
FEV1/FVC	CDKN2D	cg04833646	14	Inverse variance weighted	-0.014	0.004	-0.014 (-0.022, -0.007)	2.45E-04	-0.003	0.202
FEV1/FVC	AP1M2	cg26292442	1	Wald ratio	0.067	0.018	0.067 (0.032, 0.102)	1.50E-04	NA	NA
FEV1/FVC	PPT1	cg22716190	15	Inverse variance weighted	0.009	0.002	0.009 (0.005, 0.013)	4.97E-05	0.003	0.126

FEV1/FVC	GATA2	cg03839949	3	Inverse variance weighted	0.033	0.007	0.033 (0.019, 0.048)	6.23E-06	0.000	0.956
FEV1/FVC	RPTOR	cg11790527	1	Wald ratio	-0.026	0.008	-0.026 (-0.042, -0.010)	0.001	NA	NA
FEV1/FVC	RPTOR	cg22838354	3	Inverse variance weighted	0.031	0.008	0.031 (0.017, 0.046)	3.37E-05	0.001	0.899
FEV1/FVC	BIK	cg02601893	1	Wald ratio	-0.042	0.012	-0.042 (-0.067, -0.018)	6.74E-04	NA	NA
FEV1/FVC	GATA4	cg15644626	2	Inverse variance weighted	0.041	0.009	0.041 (0.023, 0.058)	6.90E-06	NA	NA
FEV1/FVC	SFRP2	cg05050042	1	Wald ratio	0.052	0.015	0.052 (0.023, 0.081)	4.65E-04	NA	NA
FEV1/FVC	SNX32	cg15531562	35	Inverse variance weighted	0.008	0.001	0.008 (0.005, 0.011)	3.14E-08	0.000	0.806
FEV1/FVC	FOXK1	cg09395443	2	Inverse variance weighted	0.038	0.011	0.038 (0.017, 0.060)	3.60E-04	NA	NA
FEV1/FVC	AP1M2	cg14985481	2	Inverse variance weighted	0.033	0.009	0.033 (0.017, 0.050)	8.79E-05	NA	NA
FEV1/FVC	FER	cg11403831	1	Wald ratio	0.040	0.012	0.040 (0.016, 0.063)	8.12E-04	NA	NA
FEV1/FVC	EYA4	cg21390624	1	Wald ratio	0.049	0.014	0.049 (0.022, 0.077)	4.65E-04	NA	NA
FEV1/FVC	SLC30A2	cg01689405	1	Wald ratio	-0.035	0.011	-0.035 (-0.056, -0.014)	0.001	NA	NA
FEV1/FVC	ZBTB22;DAXX	cg06477487	1	Wald ratio	-0.069	0.019	-0.069 (-0.105, -0.032)	2.09E-04	NA	NA
FEV1/FVC	AP1M2	cg26999505	2	Inverse variance weighted	0.027	0.008	0.027 (0.012, 0.043)	5.39E-04	NA	NA
FEV1/FVC	LIPT1	cg22616506	1	Wald ratio	-0.071	0.019	-0.071 (-0.108, -0.033)	1.99E-04	NA	NA
FEV1/FVC	LTBR	cg25894255	1	Wald ratio	0.068	0.019	0.068 (0.032, 0.105)	2.46E-04	NA	NA
FEV1/FVC	NFKB1	cg09390974	11	Inverse variance weighted	-0.008	0.003	-0.008 (-0.013, -0.003)	0.002	0.002	0.342
FEV1/FVC	NCK2	cg13704531	4	Inverse variance weighted	-0.020	0.008	-0.020 (-0.035, -0.004)	0.014	0.007	0.326
FEV1/FVC	NCK2	cg01295249	10	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.019)	0.006	-0.001	0.885
FEV1/FVC	PSEN1	cg09970967	4	Inverse variance weighted	-0.019	0.007	-0.019 (-0.033, -0.005)	0.007	0.000	0.950
FEV1/FVC	PSEN1	cg26124115	2	Inverse variance weighted	-0.033	0.012	-0.033 (-0.056, -0.009)	0.007	NA	NA
FEV1/FVC	SIVA1	cg19495714	2	Inverse variance weighted	0.021	0.007	0.021 (0.008, 0.035)	0.002	NA	NA
FEV1/FVC	POU4F2	cg25406138	1	Wald ratio	-0.046	0.014	-0.046 (-0.073, -0.019)	9.06E-04	NA	NA
FEV1/FVC	PSEN1	cg11490446	1	Wald ratio	-0.034	0.011	-0.034 (-0.055, -0.013)	0.001	NA	NA
FEV1/FVC	NFKB1	cg15409712	8	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.002	0.001	0.659
FEV1/FVC	OSBPL7	cg02206375	1	Wald ratio	0.062	0.017	0.062 (0.028, 0.096)	3.98E-04	NA	NA
FEV1/FVC	GDNF	cg24813562	2	Inverse variance weighted	0.023	0.007	0.023 (0.010, 0.036)	5.84E-04	NA	NA
FEV1/FVC	BNIP3	cg02365648	12	Inverse variance weighted	0.017	0.003	0.017 (0.011, 0.022)	1.59E-09	0.001	0.448
FEV1/FVC	BLOC1S2	cg13817732	2	Inverse variance weighted	0.027	0.008	0.027 (0.013, 0.042)	3.09E-04	NA	NA
FEV1/FVC	RAF1	cg12173506	1	Wald ratio	0.067	0.019	0.067 (0.030, 0.104)	3.55E-04	NA	NA
FEV1/FVC	FOXK2	cg26176014	1	Wald ratio	-0.050	0.015	-0.050 (-0.080, -0.021)	9.32E-04	NA	NA
FEV1/FVC	GATA4	cg23916205	15	Inverse variance weighted	0.018	0.006	0.018 (0.005, 0.030)	0.006	0.006	0.178
FEV1/FVC	PARK7	cg00042356	7	Inverse variance weighted	0.015	0.004	0.015 (0.007, 0.022)	9.80E-05	0.001	0.684
FEV1/FVC	GATA4	cg19172575	2	Inverse variance weighted	0.034	0.009	0.034 (0.017, 0.050)	7.93E-05	NA	NA
FEV1/FVC	RPTOR	cg06443231	1	Wald ratio	0.044	0.014	0.044 (0.018, 0.071)	0.001	NA	NA
FEV1/FVC	ATG7	cg18146954	1	Wald ratio	0.038	0.012	0.038 (0.015, 0.062)	0.002	NA	NA
FEV1/FVC	TSC2	cg02851047	5	Inverse variance weighted	0.019	0.005	0.019 (0.010, 0.029)	3.27E-05	0.001	0.792
FEV1/FVC	FADS2	cg19610905	14	Inverse variance weighted	0.009	0.002	0.009 (0.005, 0.013)	6.21E-06	0.002	0.365
FEV1/FVC	UACA	cg09345916	1	Wald ratio	0.062	0.018	0.062 (0.026, 0.098)	7.06E-04	NA	NA
FEV1/FVC	CTSA;NEURL2	cg08260891	1	Wald ratio	-0.036	0.011	-0.036 (-0.058, -0.013)	0.002	NA	NA
FEV1/FVC	ATF6	cg10230257	1	Wald ratio	0.058	0.017	0.058 (0.024, 0.091)	6.92E-04	NA	NA
FEV1/FVC	FBXO31;MAP1LC3B	cg06750038	12	Inverse variance weighted	0.012	0.003	0.012 (0.006, 0.018)	6.48E-05	0.002	0.350

FEV1/FVC	MAP1LC3B;FBXO31	cg23636419	1	Wald ratio	0.058	0.017	0.058 (0.024, 0.091)	7.38E-04	NA	NA
FEV1/FVC	SFRP1	cg07935886	1	Wald ratio	-0.045	0.014	-0.045 (-0.073, -0.018)	0.001	NA	NA
FEV1/FVC	IKBKE	cg11739399	3	Inverse variance weighted	-0.018	0.005	-0.018 (-0.029, -0.008)	6.57E-04	-0.003	0.536
FEV1/FVC	UVRAG	cg02337499	1	Wald ratio	0.020	0.007	0.020 (0.007, 0.034)	0.003	NA	NA
FEV1/FVC	IDUA	cg04508482	2	Inverse variance weighted	-0.039	0.017	-0.039 (-0.071, -0.006)	0.020	NA	NA
FEV1/FVC	STBD1	cg06978288	9	Inverse variance weighted	-0.009	0.004	-0.009 (-0.018, -0.000)	0.047	0.000	0.969
FEV1/FVC	UVRAG	cg13641591	3	Inverse variance weighted	-0.016	0.007	-0.016 (-0.029, -0.003)	0.017	0.005	0.422
FEV1/FVC	ARSB	cg27361227	1	Wald ratio	0.043	0.014	0.043 (0.016, 0.070)	0.002	NA	NA
FEV1/FVC	SGMS1	cg13799263	5	Inverse variance weighted	-0.028	0.005	-0.028 (-0.039, -0.018)	1.58E-07	-0.001	0.878
FEV1/FVC	DAPK2	cg06904649	1	Wald ratio	0.040	0.013	0.040 (0.015, 0.065)	0.002	NA	NA
FEV1/FVC	NCK2	cg03181966	1	Wald ratio	0.041	0.013	0.041 (0.015, 0.066)	0.002	NA	NA
FEV1/FVC	PARK7	cg10385390	3	Inverse variance weighted	-0.021	0.006	-0.021 (-0.033, -0.009)	6.02E-04	0.005	0.453
FEV1/FVC	BMF	cg17809595	1	Wald ratio	-0.055	0.017	-0.055 (-0.088, -0.023)	9.41E-04	NA	NA
FEV1/FVC	CTSA;NEURL2	cg19067730	1	Wald ratio	-0.040	0.013	-0.040 (-0.065, -0.015)	0.002	NA	NA
FEV1/FVC	IL6R	cg25135018	1	Wald ratio	-0.035	0.011	-0.035 (-0.057, -0.013)	0.002	NA	NA
FEV1/FVC	UNC5B	cg11224737	1	Wald ratio	0.031	0.010	0.031 (0.011, 0.052)	0.002	NA	NA
FEV1/FVC	PIK3R2	cg10256708	1	Wald ratio	0.045	0.014	0.045 (0.017, 0.073)	0.002	NA	NA
FEV1/FVC	PPP3R1	cg16179607	2	Inverse variance weighted	-0.016	0.005	-0.016 (-0.025, -0.006)	0.001	NA	NA
FEV1/FVC	CTSW	cg19792802	6	Inverse variance weighted	0.021	0.007	0.021 (0.008, 0.035)	0.002	0.002	0.659
FEV1/FVC	TGFB2	cg20991819	1	Wald ratio	-0.055	0.017	-0.055 (-0.088, -0.023)	9.41E-04	NA	NA
FEV1/FVC	USP36	cg06146665	13	Inverse variance weighted	-0.011	0.003	-0.011 (-0.016, -0.005)	7.86E-05	0.000	0.883
FEV1/FVC	GATA4	cg23972785	10	Inverse variance weighted	0.020	0.003	0.020 (0.014, 0.026)	1.86E-11	-0.002	0.594
FEV1/FVC	ZC3HC1	cg05055930	11	Inverse variance weighted	0.013	0.003	0.013 (0.007, 0.019)	7.79E-05	0.000	0.948
FEV1/FVC	CAPZB	cg05820435	1	Wald ratio	0.048	0.015	0.048 (0.018, 0.078)	0.002	NA	NA
FEV1/FVC	ZNF385A	cg22824738	3	Inverse variance weighted	-0.017	0.007	-0.017 (-0.031, -0.002)	0.022	-0.011	0.306
FEV1/FVC	MTOR	cg10315903	1	Wald ratio	-0.060	0.018	-0.060 (-0.095, -0.024)	9.41E-04	NA	NA
FEV1/FVC	GSDMD	cg22012530	13	Inverse variance weighted	-0.008	0.002	-0.008 (-0.012, -0.003)	0.001	0.001	0.540
FEV1/FVC	POU4F2	cg00505045	1	Wald ratio	-0.060	0.018	-0.060 (-0.096, -0.024)	9.83E-04	NA	NA
FEV1/FVC	RALB	cg27505472	1	Wald ratio	0.046	0.015	0.046 (0.017, 0.075)	0.002	NA	NA
FEV1/FVC	PIP4K2B	cg27142680	1	Wald ratio	-0.043	0.014	-0.043 (-0.070, -0.015)	0.002	NA	NA
FEV1/FVC	CTTN	cg17631184	1	Wald ratio	0.055	0.017	0.055 (0.022, 0.088)	0.001	NA	NA
FEV1/FVC	BOK	cg24436906	2	Inverse variance weighted	-0.033	0.010	-0.033 (-0.053, -0.013)	9.67E-04	NA	NA
FEV1/FVC	SFRP1	cg00000321	1	Wald ratio	-0.055	0.017	-0.055 (-0.088, -0.022)	0.001	NA	NA
FEV1/FVC	RET	cg23758158	5	Inverse variance weighted	-0.020	0.006	-0.020 (-0.030, -0.009)	4.08E-04	-0.001	0.811
FEV1/FVC	AP1G1	cg10407113	1	Wald ratio	-0.039	0.013	-0.039 (-0.065, -0.014)	0.003	NA	NA
FEV1/FVC	INF2	cg05210373	1	Wald ratio	0.032	0.011	0.032 (0.011, 0.053)	0.003	NA	NA
FEV1/FVC	INF2	cg04966159	1	Wald ratio	0.032	0.011	0.032 (0.011, 0.054)	0.003	NA	NA
FEV1/FVC	ATF6	cg09175582	2	Inverse variance weighted	0.021	0.006	0.021 (0.010, 0.033)	3.45E-04	NA	NA
FEV1/FVC	CDKN2D	cg08312369	1	Wald ratio	0.053	0.017	0.053 (0.020, 0.086)	0.002	NA	NA
FEV1/FVC	MAP1LC3B	cg04892447	1	Wald ratio	-0.052	0.017	-0.052 (-0.085, -0.019)	0.002	NA	NA
FEV1/FVC	NCK2	cg26377276	1	Wald ratio	0.051	0.016	0.051 (0.018, 0.083)	0.002	NA	NA
FEV1/FVC	FYN	cg26846943	12	Inverse variance weighted	0.006	0.002	0.006 (0.002, 0.010)	0.002	-0.002	0.413

FEV1/FVC	FYN	cg05517541	10	Inverse variance weighted	0.007	0.003	0.007 (0.002, 0.013)	0.007	0.000	0.898
FEV1/FVC	PPIF	cg09469691	2	Inverse variance weighted	-0.017	0.005	-0.017 (-0.028, -0.007)	0.001	NA	NA
FEV1/FVC	PIP4K2B	cg03371752	1	Wald ratio	0.059	0.019	0.059 (0.023, 0.095)	0.002	NA	NA
FEV1/FVC	USP36	cg27578381	4	Inverse variance weighted	-0.020	0.010	-0.020 (-0.039, -0.001)	0.039	-0.009	0.233
FEV1/FVC	FYN	cg08601457	6	Inverse variance weighted	0.011	0.003	0.011 (0.004, 0.017)	0.001	-0.002	0.583
FEV1/FVC	IPMK;CISD1	cg11382993	1	Wald ratio	-0.048	0.016	-0.048 (-0.079, -0.017)	0.002	NA	NA
FEV1/FVC	MAPK9	cg03605361	1	Wald ratio	0.046	0.015	0.046 (0.016, 0.076)	0.003	NA	NA
FEV1/FVC	TP53INP1	cg09323728	23	Inverse variance weighted	-0.005	0.002	-0.005 (-0.009, -0.002)	0.006	-0.001	0.546
FEV1/FVC	TP53INP1	cg20039814	29	Inverse variance weighted	-0.006	0.001	-0.006 (-0.009, -0.003)	2.63E-05	-0.001	0.599
FEV1/FVC	TP53INP1	cg13393036	25	Inverse variance weighted	-0.005	0.002	-0.005 (-0.008, -0.001)	0.010	0.001	0.623
FEV1/FVC	TP53INP1	cg16049864	31	Inverse variance weighted	-0.006	0.001	-0.006 (-0.009, -0.003)	1.29E-05	-0.001	0.680
FEV1/FVC	ITM2C	cg18346707	12	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.011)	4.14E-04	0.001	0.756
FEV1/FVC	ITM2C	cg15837943	16	Inverse variance weighted	0.008	0.002	0.008 (0.005, 0.012)	3.29E-06	0.000	0.829
FEV1/FVC	GATA4	cg22320962	1	Wald ratio	0.058	0.018	0.058 (0.022, 0.093)	0.002	NA	NA
FEV1/FVC	PPARD	cg18204017	1	Wald ratio	0.051	0.017	0.051 (0.019, 0.084)	0.002	NA	NA
FEV1/FVC	AP1M2	cg16589555	1	Wald ratio	-0.039	0.013	-0.039 (-0.066, -0.013)	0.003	NA	NA
FEV1/FVC	CTSW	cg08416661	11	Inverse variance weighted	0.012	0.006	0.012 (0.001, 0.023)	0.040	-0.002	0.493
FEV1/FVC	BMP4	cg20297199	1	Wald ratio	-0.060	0.019	-0.060 (-0.098, -0.023)	0.002	NA	NA
FEV1/FVC	TPCN2	cg18503234	1	Wald ratio	0.033	0.012	0.033 (0.010, 0.057)	0.006	NA	NA
FEV1/FVC	FEZ1	cg23366166	1	Wald ratio	-0.059	0.019	-0.059 (-0.097, -0.022)	0.002	NA	NA
FEV1/FVC	FYN	cg24824472	1	Wald ratio	0.020	0.007	0.020 (0.006, 0.034)	0.006	NA	NA
FEV1/FVC	RET	cg02780029	28	Inverse variance weighted	0.007	0.001	0.007 (0.004, 0.009)	6.00E-06	-0.001	0.412
FEV1/FVC	ZNF385A	cg04964471	1	Wald ratio	-0.038	0.013	-0.038 (-0.064, -0.012)	0.004	NA	NA
FEV1/FVC	EYA4	cg10105884	1	Wald ratio	-0.040	0.014	-0.040 (-0.066, -0.013)	0.003	NA	NA
FEV1/FVC	TFRC	cg03462622	6	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.002)	0.011	0.004	0.306
FEV1/FVC	GATA4	cg18283386	1	Wald ratio	-0.036	0.012	-0.036 (-0.060, -0.011)	0.004	NA	NA
FEV1/FVC	ATP6V0A1	cg20082357	1	Wald ratio	0.057	0.019	0.057 (0.021, 0.093)	0.002	NA	NA
FEV1/FVC	HIPK2	cg11032313	1	Wald ratio	-0.022	0.008	-0.022 (-0.038, -0.007)	0.005	NA	NA
FEV1/FVC	AP3D1	cg11349093	1	Wald ratio	-0.043	0.015	-0.043 (-0.071, -0.014)	0.004	NA	NA
FEV1/FVC	CTTN	cg10395806	1	Wald ratio	0.040	0.014	0.040 (0.013, 0.067)	0.004	NA	NA
FEV1/FVC	SH3RF1	cg05907036	4	Inverse variance weighted	0.016	0.005	0.016 (0.007, 0.025)	6.29E-04	-0.001	0.856
FEV1/FVC	CTTN	cg24395117	1	Wald ratio	-0.049	0.016	-0.049 (-0.081, -0.017)	0.003	NA	NA
FEV1/FVC	NFKBIA	cg16518861	22	Inverse variance weighted	0.010	0.002	0.010 (0.005, 0.015)	4.70E-05	-0.001	0.797
FEV1/FVC	NFKBIA	cg00689225	18	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.015)	0.003	0.000	0.982
FEV1/FVC	TP73	cg18279180	4	Inverse variance weighted	0.014	0.004	0.014 (0.006, 0.022)	7.58E-04	0.002	0.555
FEV1/FVC	NFKBIA	cg04545963	16	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.018)	0.005	-0.001	0.631
FEV1/FVC	UNC5B	cg19673155	1	Wald ratio	-0.031	0.011	-0.031 (-0.053, -0.009)	0.005	NA	NA
FEV1/FVC	CTSW	cg23483894	5	Inverse variance weighted	0.020	0.005	0.020 (0.010, 0.030)	9.97E-05	0.005	0.278
FEV1/FVC	AKT1	cg02072813	2	Inverse variance weighted	-0.032	0.011	-0.032 (-0.053, -0.010)	0.004	NA	NA
FEV1/FVC	MCL1	cg13175981	16	Inverse variance weighted	0.006	0.003	0.006 (0.000, 0.013)	0.046	0.000	0.959
FEV1/FVC	TRIML2	cg17565478	1	Wald ratio	0.045	0.016	0.045 (0.014, 0.076)	0.004	NA	NA
FEV1/FVC	CALCOCO2	cg04154812	1	Wald ratio	-0.051	0.017	-0.051 (-0.084, -0.018)	0.003	NA	NA

FEV1/FVC	CTTN	cg11194613	2	Inverse variance weighted	0.031	0.012	0.031 (0.007, 0.055)	0.012	NA	NA
FEV1/FVC	RALB	cg06876354	1	Wald ratio	0.058	0.019	0.058 (0.020, 0.095)	0.003	NA	NA
FEV1/FVC	SOD2	cg13221458	13	Inverse variance weighted	0.006	0.002	0.006 (0.001, 0.011)	0.014	-0.003	0.182
FEV1/FVC	TP73	cg08887707	8	Inverse variance weighted	0.008	0.002	0.008 (0.005, 0.012)	2.56E-05	0.002	0.303
FEV1/FVC	ZNF385A	cg21163444	5	Inverse variance weighted	-0.014	0.004	-0.014 (-0.021, -0.006)	3.70E-04	-0.002	0.517
FEV1/FVC	FADS2	cg11250194	16	Inverse variance weighted	0.011	0.002	0.011 (0.007, 0.015)	1.06E-07	0.000	0.834
FEV1/FVC	USP36	cg05380734	6	Inverse variance weighted	-0.021	0.007	-0.021 (-0.036, -0.007)	0.004	0.000	0.983
FEV1/FVC	SH3RF1	cg15134174	1	Wald ratio	0.039	0.014	0.039 (0.012, 0.066)	0.005	NA	NA
FEV1/FVC	EYA4	cg24675448	16	Inverse variance weighted	0.010	0.002	0.010 (0.005, 0.015)	2.66E-05	0.000	0.934
FEV1/FVC	SLC30A9	cg07260532	1	Wald ratio	-0.028	0.010	-0.028 (-0.048, -0.008)	0.006	NA	NA
FEV1/FVC	BRSK2	cg01122627	10	Inverse variance weighted	0.012	0.004	0.012 (0.005, 0.020)	0.001	-0.001	0.768
FEV1/FVC	MAPK7	cg13832201	1	Wald ratio	-0.039	0.014	-0.039 (-0.066, -0.012)	0.005	NA	NA
FEV1/FVC	ITM2C	cg04198215	1	Wald ratio	-0.041	0.014	-0.041 (-0.069, -0.013)	0.005	NA	NA
FEV1/FVC	TP53INP1	cg18059933	28	Inverse variance weighted	-0.006	0.001	-0.006 (-0.009, -0.004)	1.06E-05	-0.002	0.336
FEV1/FVC	FYN	cg17076443	1	Wald ratio	0.032	0.012	0.032 (0.009, 0.055)	0.006	NA	NA
FEV1/FVC	TBXAS1;HIPK2	cg26407309	1	Wald ratio	-0.030	0.011	-0.030 (-0.051, -0.008)	0.006	NA	NA
FEV1/FVC	TP73	cg27564766	1	Wald ratio	0.018	0.007	0.018 (0.005, 0.031)	0.008	NA	NA
FEV1/FVC	TMEM14A	cg19083670	1	Wald ratio	-0.054	0.018	-0.054 (-0.090, -0.018)	0.003	NA	NA
FEV1/FVC	AKT1	cg19645788	4	Inverse variance weighted	-0.013	0.004	-0.013 (-0.021, -0.005)	0.001	-0.001	0.858
FEV1/FVC	TP73	cg13943358	1	Wald ratio	-0.018	0.006	-0.018 (-0.030, -0.005)	0.007	NA	NA
FEV1/FVC	TP53INP1	cg26343298	14	Inverse variance weighted	0.012	0.003	0.012 (0.006, 0.018)	4.84E-05	0.003	0.144
FEV1/FVC	IPMK;CISD1	cg00871019	1	Wald ratio	0.034	0.013	0.034 (0.009, 0.059)	0.007	NA	NA
FEV1/FVC	NCK2	cg21551182	5	Inverse variance weighted	0.016	0.005	0.016 (0.007, 0.026)	4.03E-04	-0.004	0.736
FEV1/FVC	VAMP8	cg10632773	8	Inverse variance weighted	0.006	0.003	0.006 (0.001, 0.012)	0.031	-0.002	0.297
FEV1/FVC	SH3RF1	cg13251507	4	Inverse variance weighted	0.015	0.005	0.015 (0.005, 0.024)	0.003	-0.001	0.925
FEV1/FVC	MSX1	cg03199651	1	Wald ratio	0.038	0.014	0.038 (0.011, 0.065)	0.006	NA	NA
FEV1/FVC	GSDMD	cg17812120	19	Inverse variance weighted	-0.008	0.002	-0.008 (-0.011, -0.004)	1.53E-04	-0.001	0.634
FEV1/FVC	HIPK2	cg14405813	6	Inverse variance weighted	-0.009	0.005	-0.009 (-0.018, -0.000)	0.048	0.003	0.484
FEV1/FVC	CISD1;IPMK	cg09039206	1	Wald ratio	0.032	0.012	0.032 (0.009, 0.055)	0.007	NA	NA
FEV1/FVC	CALCOCO2	cg20396069	2	Inverse variance weighted	0.033	0.011	0.033 (0.010, 0.055)	0.004	NA	NA
FEV1/FVC	TMEM14A	cg15108222	5	Inverse variance weighted	-0.022	0.005	-0.022 (-0.031, -0.013)	3.06E-06	-0.002	0.641
FEV1/FVC	AP3M1	cg15023646	1	Wald ratio	0.052	0.018	0.052 (0.016, 0.087)	0.004	NA	NA
FEV1/FVC	EXOC4	cg06070229	1	Wald ratio	0.040	0.015	0.040 (0.012, 0.069)	0.006	NA	NA
FEV1/FVC	TP73	cg26034538	1	Wald ratio	0.039	0.014	0.039 (0.011, 0.067)	0.006	NA	NA
FEV1/FVC	STAT5B	cg19465320	2	Inverse variance weighted	0.032	0.009	0.032 (0.014, 0.050)	4.64E-04	NA	NA
FEV1/FVC	TBXAS1;HIPK2	cg00445997	1	Wald ratio	-0.030	0.011	-0.030 (-0.051, -0.008)	0.008	NA	NA
FEV1/FVC	WNT4	cg25011003	2	Inverse variance weighted	-0.017	0.007	-0.017 (-0.030, -0.004)	0.011	NA	NA
FEV1/FVC	GSK3B	cg14479617	9	Inverse variance weighted	0.012	0.003	0.012 (0.005, 0.018)	3.07E-04	0.000	0.876
FEV1/FVC	FADS2	cg01400685	13	Inverse variance weighted	0.012	0.002	0.012 (0.007, 0.016)	6.06E-07	0.002	0.228
FEV1/FVC	FADS2	cg25324164	12	Inverse variance weighted	0.010	0.002	0.010 (0.006, 0.015)	1.22E-05	0.001	0.420
FEV1/FVC	FADS2	cg00603274	15	Inverse variance weighted	0.010	0.002	0.010 (0.006, 0.015)	2.18E-06	0.001	0.690
FEV1/FVC	FADS2	cg06781209	16	Inverse variance weighted	0.010	0.002	0.010 (0.006, 0.014)	1.06E-06	-0.001	0.718

FEV1/FVC	FADS2	cg21709803	12	Inverse variance weighted	0.010	0.002	0.010 (0.006, 0.015)	1.33E-05	0.000	0.839
FEV1/FVC	HGS	cg22519420	2	Inverse variance weighted	0.023	0.008	0.023 (0.008, 0.039)	0.003	NA	NA
FEV1/FVC	MET	cg19958057	1	Wald ratio	0.055	0.019	0.055 (0.017, 0.092)	0.004	NA	NA
FEV1/FVC	STAT5A	cg20388732	1	Wald ratio	-0.025	0.009	-0.025 (-0.043, -0.006)	0.009	NA	NA
FEV1/FVC	MUL1	cg03182908	2	Inverse variance weighted	-0.020	0.009	-0.020 (-0.037, -0.003)	0.024	NA	NA
FEV1/FVC	PTGIS	cg07612655	3	Inverse variance weighted	-0.012	0.006	-0.012 (-0.024, -0.001)	0.037	-0.003	0.738
FEV1/FVC	NLRP6	cg08961832	5	Inverse variance weighted	0.015	0.004	0.015 (0.006, 0.023)	4.50E-04	0.001	0.867
FEV1/FVC	WNT4	cg15582954	2	Inverse variance weighted	-0.020	0.008	-0.020 (-0.036, -0.004)	0.012	NA	NA
FEV1/FVC	CAPNS1	cg18304093	1	Wald ratio	-0.046	0.016	-0.046 (-0.078, -0.014)	0.005	NA	NA
FEV1/FVC	TMEM150B	cg01489177	3	Inverse variance weighted	0.014	0.006	0.014 (0.003, 0.025)	0.011	0.003	0.604
FEV1/FVC	TP73	cg17986341	2	Inverse variance weighted	-0.025	0.009	-0.025 (-0.043, -0.007)	0.007	NA	NA
FEV1/FVC	FAIM2	cg09049251	1	Wald ratio	0.022	0.009	0.022 (0.005, 0.039)	0.010	NA	NA
FEV1/FVC	FADS2	cg07005513	1	Wald ratio	0.034	0.013	0.034 (0.009, 0.059)	0.008	NA	NA
FEV1/FVC	FADS2	cg07591205	1	Wald ratio	-0.035	0.013	-0.035 (-0.061, -0.009)	0.008	NA	NA
FEV1/FVC	ZNF385A	cg09457245	1	Wald ratio	-0.031	0.011	-0.031 (-0.053, -0.008)	0.007	NA	NA
FEV1/FVC	STAT5A	cg05117208	2	Inverse variance weighted	-0.021	0.008	-0.021 (-0.036, -0.005)	0.009	NA	NA
FEV1/FVC	IDUA	cg14652403	7	Inverse variance weighted	-0.014	0.006	-0.014 (-0.026, -0.001)	0.029	0.001	0.786
FEV1/FVC	OTUB1	cg08231730	2	Inverse variance weighted	0.024	0.008	0.024 (0.009, 0.040)	0.002	NA	NA
FEV1/FVC	GSDMD	cg15172061	16	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.001)	0.009	-0.001	0.534
FEV1/FVC	STK3	cg02675173	1	Wald ratio	0.034	0.013	0.034 (0.009, 0.058)	0.008	NA	NA
FEV1/FVC	STAT5B	cg18810026	1	Wald ratio	-0.021	0.008	-0.021 (-0.038, -0.005)	0.011	NA	NA
FEV1/FVC	BLK	cg15742700	1	Wald ratio	0.041	0.015	0.041 (0.011, 0.071)	0.007	NA	NA
FEV1/FVC	PTH	cg24816298	14	Inverse variance weighted	-0.013	0.003	-0.013 (-0.020, -0.006)	1.36E-04	-0.003	0.065
FEV1/FVC	MKNK2	cg17068236	11	Inverse variance weighted	0.008	0.002	0.008 (0.004, 0.012)	5.84E-05	0.002	0.299
FEV1/FVC	VAMP8	cg05486094	1	Wald ratio	0.027	0.010	0.027 (0.006, 0.047)	0.011	NA	NA
FEV1/FVC	SH3RF1	cg14017034	1	Wald ratio	-0.045	0.017	-0.045 (-0.078, -0.013)	0.007	NA	NA
FEV1/FVC	IL6	cg00087425	1	Wald ratio	0.053	0.019	0.053 (0.015, 0.090)	0.006	NA	NA
FEV1/FVC	CAPN1	cg13762244	2	Inverse variance weighted	-0.024	0.008	-0.024 (-0.040, -0.008)	0.003	NA	NA
FEV1/FVC	GATA4	cg13434842	1	Wald ratio	0.032	0.012	0.032 (0.008, 0.056)	0.009	NA	NA
FEV1/FVC	DEPDC5	cg01249860	3	Inverse variance weighted	-0.023	0.009	-0.023 (-0.040, -0.006)	0.008	0.004	0.560
FEV1/FVC	LYN	cg08894788	2	Inverse variance weighted	0.020	0.007	0.020 (0.007, 0.033)	0.002	NA	NA
FEV1/FVC	TRAF1	cg21241889	8	Inverse variance weighted	0.011	0.004	0.011 (0.004, 0.018)	0.001	0.000	0.951
FEV1/FVC	PSAP	cg25430995	1	Wald ratio	0.026	0.010	0.026 (0.006, 0.046)	0.011	NA	NA
FEV1/FVC	HGS	cg13309461	3	Inverse variance weighted	-0.020	0.006	-0.020 (-0.031, -0.009)	5.69E-04	-0.003	0.482
FEV1/FVC	PRKAG2	cg05953394	1	Wald ratio	0.036	0.013	0.036 (0.010, 0.061)	0.007	NA	NA
FEV1/FVC	TP73	cg19688837	1	Wald ratio	0.050	0.018	0.050 (0.015, 0.086)	0.006	NA	NA
FEV1/FVC	PDCD6	cg09097916	1	Wald ratio	0.049	0.018	0.049 (0.014, 0.084)	0.006	NA	NA
FEV1/FVC	PPP3R1	cg14414124	1	Wald ratio	-0.032	0.013	-0.032 (-0.057, -0.008)	0.010	NA	NA
FEV1/FVC	HIPK2	cg03224163	1	Wald ratio	-0.044	0.016	-0.044 (-0.076, -0.012)	0.008	NA	NA
FEV1/FVC	PAFAH1B2	cg10398005	1	Wald ratio	0.037	0.014	0.037 (0.009, 0.066)	0.009	NA	NA
FEV1/FVC	NLRP6	cg06432119	1	Wald ratio	0.030	0.012	0.030 (0.007, 0.053)	0.011	NA	NA
FEV1/FVC	FOXK1	cg00064840	3	Inverse variance weighted	-0.013	0.005	-0.013 (-0.023, -0.003)	0.013	-0.004	0.612

FEV1/FVC	BRSK2	cg23571839	9	Inverse variance weighted	0.010	0.004	0.010 (0.002, 0.017)	0.009	0.001	0.673
FEV1/FVC	TSPO	cg20390150	1	Wald ratio	0.046	0.017	0.046 (0.012, 0.079)	0.007	NA	NA
FEV1/FVC	FOXK1	cg13287553	1	Wald ratio	-0.012	0.005	-0.012 (-0.022, -0.003)	0.014	NA	NA
FEV1/FVC	LGALS9	cg06852032	1	Wald ratio	-0.034	0.013	-0.034 (-0.060, -0.008)	0.010	NA	NA
FEV1/FVC	DDX5	cg08350119	1	Wald ratio	0.022	0.009	0.022 (0.005, 0.039)	0.013	NA	NA
FEV1/FVC	FOXK1	cg10118545	1	Wald ratio	-0.013	0.005	-0.013 (-0.024, -0.003)	0.014	NA	NA
FEV1/FVC	PRKAG2	cg01588379	4	Inverse variance weighted	-0.012	0.005	-0.012 (-0.022, -0.002)	0.017	0.003	0.459
FEV1/FVC	TP63	cg12188416	13	Inverse variance weighted	-0.005	0.002	-0.005 (-0.009, -0.000)	0.046	0.003	0.059
FEV1/FVC	EPHA2	cg15074789	4	Inverse variance weighted	-0.024	0.005	-0.024 (-0.035, -0.013)	1.30E-05	-0.019	0.268
FEV1/FVC	INF2	cg01836137	2	Inverse variance weighted	-0.016	0.006	-0.016 (-0.027, -0.005)	0.004	NA	NA
FEV1/FVC	MKNK2	cg05254098	1	Wald ratio	0.040	0.015	0.040 (0.010, 0.070)	0.010	NA	NA
FEV1/FVC	BLK	cg13440894	1	Wald ratio	0.038	0.015	0.038 (0.009, 0.067)	0.010	NA	NA
FEV1/FVC	ACSL5	cg13333374	1	Wald ratio	-0.029	0.012	-0.029 (-0.052, -0.006)	0.012	NA	NA
FEV1/FVC	GATA4	cg04880278	1	Wald ratio	0.030	0.012	0.030 (0.007, 0.053)	0.011	NA	NA
FEV1/FVC	MKNK2	cg06552549	1	Wald ratio	0.023	0.009	0.023 (0.005, 0.042)	0.013	NA	NA
FEV1/FVC	MPO	cg08058156	1	Wald ratio	-0.038	0.015	-0.038 (-0.067, -0.009)	0.009	NA	NA
FEV1/FVC	MSH6	cg02905881	2	Inverse variance weighted	-0.021	0.008	-0.021 (-0.038, -0.005)	0.011	NA	NA
FEV1/FVC	NLRP6	cg05864876	1	Wald ratio	0.033	0.013	0.033 (0.007, 0.058)	0.012	NA	NA
FEV1/FVC	ARF1	cg06625004	9	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.012)	0.015	-0.002	0.260
FEV1/FVC	UVRAG	cg05343689	2	Inverse variance weighted	0.023	0.009	0.023 (0.006, 0.040)	0.008	NA	NA
FEV1/FVC	FOXK1	cg06287775	1	Wald ratio	-0.028	0.011	-0.028 (-0.051, -0.006)	0.012	NA	NA
FEV1/FVC	PRKAG2	cg07132038	3	Inverse variance weighted	0.013	0.007	0.013 (0.001, 0.026)	0.040	-0.003	0.405
FEV1/FVC	NCK2	cg13660477	1	Wald ratio	0.045	0.017	0.045 (0.011, 0.079)	0.009	NA	NA
FEV1/FVC	TRAF1	cg14518276	4	Inverse variance weighted	0.016	0.006	0.016 (0.004, 0.027)	0.006	-0.002	0.774
FEV1/FVC	FHIT	cg25921543	1	Wald ratio	0.035	0.014	0.035 (0.008, 0.061)	0.011	NA	NA
FEV1/FVC	ZC3H12A	cg16371538	13	Inverse variance weighted	0.014	0.005	0.014 (0.004, 0.025)	0.008	0.002	0.647
FEV1/FVC	PDLIM1	cg19190632	1	Wald ratio	-0.029	0.012	-0.029 (-0.052, -0.006)	0.012	NA	NA
FEV1/FVC	STAT5A	cg03001305	1	Wald ratio	0.030	0.012	0.030 (0.006, 0.053)	0.012	NA	NA
FEV1/FVC	XBP1	cg18940763	2	Inverse variance weighted	0.018	0.008	0.018 (0.002, 0.033)	0.023	NA	NA
FEV1/FVC	ATP2A1	cg04414917	4	Inverse variance weighted	0.013	0.005	0.013 (0.003, 0.023)	0.010	-0.001	0.762
FEV1/FVC	FADS2	cg16576620	1	Wald ratio	0.039	0.015	0.039 (0.009, 0.069)	0.011	NA	NA
FEV1/FVC	STAT5A	cg06357561	1	Wald ratio	0.032	0.013	0.032 (0.007, 0.057)	0.012	NA	NA
FEV1/FVC	LZTS1	cg13583414	1	Wald ratio	-0.029	0.012	-0.029 (-0.053, -0.006)	0.012	NA	NA
FEV1/FVC	TRAF1	cg21152671	7	Inverse variance weighted	0.009	0.004	0.009 (0.002, 0.017)	0.015	-0.004	0.306
FEV1/FVC	NLRP6	cg16359142	1	Wald ratio	0.039	0.015	0.039 (0.009, 0.069)	0.011	NA	NA
FEV1/FVC	BAG3	cg17076667	9	Inverse variance weighted	-0.012	0.004	-0.012 (-0.019, -0.005)	0.002	-0.001	0.648
FEV1/FVC	E2F2	cg11526198	3	Inverse variance weighted	-0.016	0.007	-0.016 (-0.030, -0.003)	0.015	-0.003	0.611
FEV1/FVC	NFATC4	cg26705574	1	Wald ratio	0.028	0.012	0.028 (0.006, 0.051)	0.014	NA	NA
FEV1/FVC	PTGIS	cg06357305	1	Wald ratio	-0.044	0.017	-0.044 (-0.077, -0.010)	0.010	NA	NA
FEV1/FVC	STAT5A	cg17478203	1	Wald ratio	-0.041	0.016	-0.041 (-0.072, -0.010)	0.010	NA	NA
FEV1/FVC	KIF25	cg04680494	1	Wald ratio	0.041	0.016	0.041 (0.010, 0.072)	0.010	NA	NA
FEV1/FVC	E2F1	cg00509772	3	Inverse variance weighted	-0.017	0.009	-0.017 (-0.034, -0.000)	0.050	0.017	0.377

FEV1/FVC	CTSA	cg03206537	1	Wald ratio	0.040	0.016	0.040 (0.009, 0.072)	0.011	NA	NA
FEV1/FVC	LTBR	cg15784615	1	Wald ratio	0.036	0.014	0.036 (0.008, 0.064)	0.012	NA	NA
FEV1/FVC	WWOX	cg02795629	2	Inverse variance weighted	0.037	0.012	0.037 (0.015, 0.060)	0.001	NA	NA
FEV1/FVC	NFATC4	cg07162820	14	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.014)	0.005	0.002	0.326
FEV1/FVC	NDUFA13	cg08815677	2	Inverse variance weighted	-0.021	0.008	-0.021 (-0.036, -0.006)	0.006	NA	NA
FEV1/FVC	NFATC4	cg01658259	6	Inverse variance weighted	0.011	0.003	0.011 (0.004, 0.017)	0.001	0.001	0.702
FEV1/FVC	KDR	cg25444386	1	Wald ratio	-0.047	0.018	-0.047 (-0.082, -0.012)	0.009	NA	NA
FEV1/FVC	CASP8	cg26842802	1	Wald ratio	0.035	0.014	0.035 (0.007, 0.063)	0.013	NA	NA
FEV1/FVC	E2F2	cg24254937	2	Inverse variance weighted	-0.024	0.007	-0.024 (-0.038, -0.009)	0.001	NA	NA
FEV1/FVC	NFATC4	cg13536265	3	Inverse variance weighted	0.013	0.005	0.013 (0.003, 0.023)	0.008	-0.003	0.571
FEV1/FVC	MKNK2	cg06521145	1	Wald ratio	0.037	0.015	0.037 (0.008, 0.066)	0.013	NA	NA
FEV1/FVC	PDLIM1	cg10266121	1	Wald ratio	0.021	0.009	0.021 (0.004, 0.039)	0.017	NA	NA
FEV1/FVC	NCK2	cg09152813	33	Inverse variance weighted	0.006	0.002	0.006 (0.003, 0.009)	1.22E-04	-0.001	0.724
FEV1/FVC	POU4F1	cg06675375	2	Inverse variance weighted	0.022	0.008	0.022 (0.005, 0.038)	0.010	NA	NA
FEV1/FVC	PPIF	cg03648155	1	Wald ratio	-0.022	0.009	-0.022 (-0.040, -0.004)	0.016	NA	NA
FEV1/FVC	TP53INP1	cg23172400	24	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.002)	0.001	-0.001	0.449
FEV1/FVC	TRAP1	cg04439028	1	Wald ratio	-0.037	0.015	-0.037 (-0.066, -0.008)	0.013	NA	NA
FEV1/FVC	HIPK2	cg03369382	1	Wald ratio	-0.047	0.018	-0.047 (-0.083, -0.011)	0.010	NA	NA
FEV1/FVC	ATP6V0A1	cg15269394	1	Wald ratio	0.045	0.018	0.045 (0.011, 0.080)	0.011	NA	NA
FEV1/FVC	PRKAG2	cg23351327	1	Wald ratio	-0.029	0.012	-0.029 (-0.052, -0.006)	0.012	NA	NA
FEV1/FVC	AP1S1	cg24080086	1	Wald ratio	-0.041	0.017	-0.041 (-0.074, -0.009)	0.012	NA	NA
FEV1/FVC	MKNK2	cg00434573	2	Inverse variance weighted	-0.013	0.006	-0.013 (-0.024, -0.001)	0.027	NA	NA
FEV1/FVC	YWHAZ	cg04962480	6	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.002)	0.008	0.003	0.410
FEV1/FVC	AP3B1	cg08976646	2	Inverse variance weighted	0.026	0.012	0.026 (0.002, 0.049)	0.030	NA	NA
FEV1/FVC	TFEB	cg02284014	5	Inverse variance weighted	0.016	0.005	0.016 (0.007, 0.025)	5.79E-04	0.000	0.970
FEV1/FVC	FADS2	cg14911132	6	Inverse variance weighted	0.018	0.004	0.018 (0.010, 0.027)	1.56E-05	0.002	0.443
FEV1/FVC	FEZ1	cg05390307	1	Wald ratio	-0.043	0.017	-0.043 (-0.078, -0.009)	0.013	NA	NA
FEV1/FVC	DAPK2	cg24729988	1	Wald ratio	-0.034	0.014	-0.034 (-0.061, -0.006)	0.016	NA	NA
FEV1/FVC	AGA	cg00398048	15	Inverse variance weighted	0.008	0.002	0.008 (0.004, 0.012)	9.47E-05	0.000	0.999
FEV1/FVC	RPS27L	cg02713581	3	Inverse variance weighted	-0.036	0.011	-0.036 (-0.057, -0.015)	7.94E-04	0.011	0.367
FEV1/FVC	C15orf37;ST20	cg01843524	12	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.014)	0.002	-0.001	0.675
FEV1/FVC	FOXK1	cg09789173	5	Inverse variance weighted	-0.008	0.003	-0.008 (-0.014, -0.001)	0.021	-0.005	0.349
FEV1/FVC	INF2	cg22090592	4	Inverse variance weighted	-0.014	0.004	-0.014 (-0.022, -0.007)	1.04E-04	0.000	0.944
FEV1/FVC	EPM2A	cg05220968	2	Inverse variance weighted	0.015	0.007	0.015 (0.001, 0.028)	0.030	NA	NA
FEV1/FVC	UMOD	cg03084308	1	Wald ratio	0.019	0.008	0.019 (0.003, 0.035)	0.020	NA	NA
FEV1/FVC	CAPN1	cg07710883	5	Inverse variance weighted	0.023	0.006	0.023 (0.012, 0.034)	6.14E-05	-0.004	0.417
FEV1/FVC	NFATC4	cg10974463	1	Wald ratio	-0.029	0.012	-0.029 (-0.052, -0.006)	0.014	NA	NA
FEV1/FVC	CD164	cg09416154	2	Inverse variance weighted	0.028	0.008	0.028 (0.012, 0.044)	4.53E-04	NA	NA
FEV1/FVC	NCKAP1	cg11711114	1	Wald ratio	-0.043	0.017	-0.043 (-0.077, -0.009)	0.013	NA	NA
FEV1/FVC	TMEM150B	cg19510663	1	Wald ratio	0.043	0.017	0.043 (0.009, 0.076)	0.014	NA	NA
FEV1/FVC	FOXK1	cg05764847	1	Wald ratio	0.015	0.007	0.015 (0.002, 0.029)	0.022	NA	NA
FEV1/FVC	MLKL	cg07846061	21	Inverse variance weighted	-0.011	0.002	-0.011 (-0.015, -0.007)	1.52E-07	-0.003	0.056

FEV1/FVC	AP3B2	cg06459070	1	Wald ratio	0.031	0.013	0.031 (0.005, 0.056)	0.018	NA	NA
FEV1/FVC	JAK1	cg07453451	1	Wald ratio	-0.030	0.013	-0.030 (-0.055, -0.005)	0.018	NA	NA
FEV1/FVC	THBS1	cg05886626	7	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.019)	0.010	0.001	0.778
FEV1/FVC	TGFB1	cg20748073	1	Wald ratio	-0.023	0.010	-0.023 (-0.042, -0.004)	0.020	NA	NA
FEV1/FVC	FYN	cg04657000	1	Wald ratio	0.025	0.011	0.025 (0.004, 0.045)	0.020	NA	NA
FEV1/FVC	JAK2	cg13568515	11	Inverse variance weighted	0.006	0.002	0.006 (0.002, 0.010)	0.002	0.002	0.255
FEV1/FVC	VAMP8	cg18892132	3	Inverse variance weighted	0.014	0.006	0.014 (0.003, 0.026)	0.016	-0.002	0.723
FEV1/FVC	NLRP6	cg23437420	2	Inverse variance weighted	0.029	0.010	0.029 (0.010, 0.048)	0.003	NA	NA
FEV1/FVC	AP3B2	cg19175742	2	Inverse variance weighted	0.033	0.011	0.033 (0.011, 0.054)	0.003	NA	NA
FEV1/FVC	UMOD	cg09792189	1	Wald ratio	-0.045	0.018	-0.045 (-0.081, -0.009)	0.014	NA	NA
FEV1/FVC	MSH6	cg15355298	1	Wald ratio	-0.045	0.018	-0.045 (-0.082, -0.009)	0.014	NA	NA
FEV1/FVC	RPTOR	cg04662369	16	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.004)	6.35E-05	-0.001	0.716
FEV1/FVC	STXBP2	cg04770751	2	Inverse variance weighted	0.019	0.008	0.019 (0.004, 0.034)	0.014	NA	NA
FEV1/FVC	USP10	cg07795346	1	Wald ratio	-0.034	0.016	-0.034 (-0.067, -0.002)	0.037	NA	NA
FEV1/FVC	ZC3H12A	cg19872095	1	Wald ratio	0.043	0.017	0.043 (0.009, 0.076)	0.012	NA	NA
FEV1/FVC	ITPR1	cg13707945	1	Wald ratio	0.044	0.018	0.044 (0.009, 0.079)	0.015	NA	NA
FEV1/FVC	PRKCA	cg04955246	1	Wald ratio	0.041	0.017	0.041 (0.008, 0.075)	0.016	NA	NA
FEV1/FVC	SEC22B	cg16511445	1	Wald ratio	0.033	0.014	0.033 (0.006, 0.061)	0.018	NA	NA
FEV1/FVC	TP73	cg02134594	1	Wald ratio	0.020	0.009	0.020 (0.003, 0.037)	0.023	NA	NA
FEV1/FVC	PDK2	cg16035921	5	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.013)	0.020	-0.001	0.748
FEV1/FVC	STXBP2	cg24759919	9	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.012)	0.002	0.000	0.912
FEV1/FVC	NLRP6	cg22331032	2	Inverse variance weighted	0.033	0.011	0.033 (0.011, 0.054)	0.003	NA	NA
FEV1/FVC	TFDP1	cg07276358	1	Wald ratio	0.030	0.013	0.030 (0.004, 0.057)	0.024	NA	NA
FEV1/FVC	FYN	cg16155724	1	Wald ratio	0.029	0.012	0.029 (0.005, 0.053)	0.020	NA	NA
FEV1/FVC	PRKCA	cg17069533	1	Wald ratio	0.042	0.017	0.042 (0.008, 0.076)	0.016	NA	NA
FEV1/FVC	TFDP1	cg07804973	1	Wald ratio	0.032	0.014	0.032 (0.005, 0.059)	0.020	NA	NA
FEV1/FVC	STXBP2	cg27546241	6	Inverse variance weighted	0.008	0.003	0.008 (0.001, 0.015)	0.018	0.001	0.589
FEV1/FVC	IKBKE	cg26859016	2	Inverse variance weighted	-0.031	0.012	-0.031 (-0.056, -0.007)	0.012	NA	NA
FEV1/FVC	CFLAR	cg23681745	1	Wald ratio	-0.037	0.016	-0.037 (-0.068, -0.006)	0.018	NA	NA
FEV1/FVC	DAB2IP	cg13758780	6	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.019)	0.007	-0.004	0.270
FEV1/FVC	PPARD	cg15611037	1	Wald ratio	-0.035	0.014	-0.035 (-0.063, -0.008)	0.012	NA	NA
FEV1/FVC	PRKCA	cg04658038	1	Wald ratio	0.044	0.018	0.044 (0.008, 0.080)	0.016	NA	NA
FEV1/FVC	HYAL2	cg12150256	1	Wald ratio	-0.025	0.011	-0.025 (-0.047, -0.004)	0.022	NA	NA
FEV1/FVC	HGS	cg20161132	1	Wald ratio	-0.027	0.012	-0.027 (-0.050, -0.004)	0.022	NA	NA
FEV1/FVC	GLS	cg21497043	1	Wald ratio	0.021	0.009	0.021 (0.003, 0.039)	0.024	NA	NA
FEV1/FVC	BRSK2	cg02282118	21	Inverse variance weighted	0.006	0.002	0.006 (0.001, 0.010)	0.009	0.000	0.950
FEV1/FVC	TP73	cg00505606	1	Wald ratio	0.028	0.012	0.028 (0.004, 0.052)	0.023	NA	NA
FEV1/FVC	LTBR	cg04911821	3	Inverse variance weighted	0.010	0.004	0.010 (0.002, 0.017)	0.014	0.000	0.969
FEV1/FVC	ENTPD4	cg14564237	1	Wald ratio	0.037	0.016	0.037 (0.006, 0.068)	0.018	NA	NA
FEV1/FVC	AGA	cg16070743	1	Wald ratio	0.032	0.014	0.032 (0.005, 0.060)	0.022	NA	NA
FEV1/FVC	KAT5	cg04321396	1	Wald ratio	0.023	0.010	0.023 (0.003, 0.043)	0.024	NA	NA
FEV1/FVC	NAPSA	cg25286393	1	Wald ratio	0.019	0.009	0.019 (0.001, 0.036)	0.034	NA	NA

FEV1/FVC	ATF6	cg12648759	8	Inverse variance weighted	0.008	0.003	0.008 (0.003, 0.013)	0.001	0.002	0.431
FEV1/FVC	CLTB	cg24735937	7	Inverse variance weighted	-0.008	0.003	-0.008 (-0.015, -0.001)	0.017	0.000	0.996
FEV1/FVC	IL6R	cg17001401	1	Wald ratio	0.025	0.011	0.025 (0.003, 0.046)	0.024	NA	NA
FEV1/FVC	GALNS	cg04551282	6	Inverse variance weighted	0.011	0.004	0.011 (0.002, 0.020)	0.016	0.003	0.278
FEV1/FVC	GSDMA	cg10794714	1	Wald ratio	0.033	0.014	0.033 (0.005, 0.061)	0.022	NA	NA
FEV1/FVC	TP73	cg03103850	1	Wald ratio	0.031	0.014	0.031 (0.004, 0.058)	0.023	NA	NA
FEV1/FVC	TFRC	cg16311045	1	Wald ratio	0.027	0.012	0.027 (0.003, 0.050)	0.024	NA	NA
FEV1/FVC	BRSK2	cg23163513	5	Inverse variance weighted	-0.017	0.005	-0.017 (-0.026, -0.007)	4.43E-04	-0.004	0.206
FEV1/FVC	MKNK2	cg23899359	1	Wald ratio	-0.044	0.019	-0.044 (-0.080, -0.007)	0.019	NA	NA
FEV1/FVC	PLK3	cg27583604	1	Wald ratio	-0.036	0.016	-0.036 (-0.067, -0.005)	0.022	NA	NA
FEV1/FVC	OTUB1	cg12836303	5	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.000)	0.038	0.000	0.958
FEV1/FVC	FADS2	cg07999042	1	Wald ratio	-0.042	0.018	-0.042 (-0.077, -0.007)	0.020	NA	NA
FEV1/FVC	RPTOR	cg17481637	11	Inverse variance weighted	0.008	0.002	0.008 (0.003, 0.013)	0.001	0.000	0.865
FEV1/FVC	SGPL1	cg13770865	2	Inverse variance weighted	0.023	0.008	0.023 (0.007, 0.039)	0.006	NA	NA
FEV1/FVC	INF2	cg13578465	3	Inverse variance weighted	-0.011	0.004	-0.011 (-0.018, -0.004)	0.003	-0.002	0.706
FEV1/FVC	MAEL	cg00001349	1	Wald ratio	-0.037	0.016	-0.037 (-0.068, -0.005)	0.022	NA	NA
FEV1/FVC	TP73	cg19692322	1	Wald ratio	0.036	0.016	0.036 (0.005, 0.067)	0.023	NA	NA
FEV1/FVC	INF2	cg11730703	3	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.004)	0.003	-0.002	0.751
FEV1/FVC	INF2	cg27286011	3	Inverse variance weighted	-0.013	0.004	-0.013 (-0.022, -0.005)	0.002	-0.002	0.731
FEV1/FVC	NAPSA	cg08194323	1	Wald ratio	0.029	0.013	0.029 (0.004, 0.054)	0.025	NA	NA
FEV1/FVC	STXBP2	cg24479032	1	Wald ratio	0.037	0.016	0.037 (0.005, 0.068)	0.023	NA	NA
FEV1/FVC	GALNS	cg04458924	7	Inverse variance weighted	0.014	0.004	0.014 (0.006, 0.022)	5.75E-04	0.003	0.398
FEV1/FVC	KDR	cg18177533	1	Wald ratio	-0.044	0.019	-0.044 (-0.081, -0.007)	0.020	NA	NA
FEV1/FVC	S100A9	cg26937038	1	Wald ratio	0.025	0.011	0.025 (0.003, 0.047)	0.025	NA	NA
FEV1/FVC	DEF8	cg03721293	6	Inverse variance weighted	0.011	0.005	0.011 (0.002, 0.019)	0.019	-0.001	0.598
FEV1/FVC	ATG2B	cg01050076	1	Wald ratio	-0.026	0.012	-0.026 (-0.050, -0.003)	0.030	NA	NA
FEV1/FVC	DEF8	cg04752812	4	Inverse variance weighted	0.013	0.006	0.013 (0.000, 0.025)	0.050	-0.003	0.419
FEV1/FVC	LARP1	cg06912665	1	Wald ratio	-0.022	0.010	-0.022 (-0.041, -0.002)	0.030	NA	NA
FEV1/FVC	PSAP	cg00244894	12	Inverse variance weighted	0.008	0.002	0.008 (0.004, 0.013)	9.13E-05	0.001	0.471
FEV1/FVC	SLC39A8	cg14579898	3	Inverse variance weighted	-0.021	0.007	-0.021 (-0.034, -0.008)	0.002	-0.001	0.906
FEV1/FVC	SGPL1	cg15420153	4	Inverse variance weighted	0.018	0.006	0.018 (0.006, 0.029)	0.003	0.001	0.605
FEV1/FVC	TP73	cg19819912	1	Wald ratio	0.042	0.018	0.042 (0.006, 0.077)	0.023	NA	NA
FEV1/FVC	ATG7	cg03589820	1	Wald ratio	0.040	0.017	0.040 (0.006, 0.073)	0.022	NA	NA
FEV1/FVC	GATA2	cg06796779	1	Wald ratio	0.039	0.017	0.039 (0.005, 0.073)	0.024	NA	NA
FEV1/FVC	S100A9	cg05848175	1	Wald ratio	0.028	0.013	0.028 (0.004, 0.053)	0.025	NA	NA
FEV1/FVC	CBS	cg15300856	11	Inverse variance weighted	0.005	0.003	0.005 (0.000, 0.010)	0.044	-0.003	0.218
FEV1/FVC	TP73	cg06996273	1	Wald ratio	0.042	0.018	0.042 (0.006, 0.078)	0.023	NA	NA
FEV1/FVC	TLR3	cg14827929	1	Wald ratio	0.043	0.019	0.043 (0.006, 0.079)	0.022	NA	NA
FEV1/FVC	C15orf37;ST20	cg26829925	1	Wald ratio	-0.035	0.016	-0.035 (-0.066, -0.004)	0.026	NA	NA
FEV1/FVC	RPL11	cg24406162	5	Inverse variance weighted	0.011	0.005	0.011 (0.002, 0.020)	0.022	0.004	0.304
FEV1/FVC	CBS	cg22633722	5	Inverse variance weighted	0.011	0.004	0.011 (0.002, 0.020)	0.014	0.000	0.955
FEV1/FVC	WIPI2	cg07762099	2	Inverse variance weighted	-0.016	0.007	-0.016 (-0.029, -0.003)	0.016	NA	NA

FEV1/FVC	ARL16;HGS	cg08782899	1	Wald ratio	-0.023	0.011	-0.023 (-0.043, -0.002)	0.031	NA	NA
FEV1/FVC	HGS	cg16886672	1	Wald ratio	-0.034	0.015	-0.034 (-0.064, -0.004)	0.026	NA	NA
FEV1/FVC	ATF3	cg25386151	1	Wald ratio	-0.041	0.018	-0.041 (-0.077, -0.005)	0.026	NA	NA
FEV1/FVC	NCK2	cg01577187	1	Wald ratio	-0.040	0.018	-0.040 (-0.074, -0.005)	0.024	NA	NA
FEV1/FVC	MMP9	cg09149648	1	Wald ratio	0.033	0.015	0.033 (0.004, 0.062)	0.027	NA	NA
FEV1/FVC	ARL16;HGS	cg22209573	1	Wald ratio	-0.040	0.018	-0.040 (-0.074, -0.005)	0.024	NA	NA
FEV1/FVC	LAPTM4B	cg20541656	5	Inverse variance weighted	-0.021	0.008	-0.021 (-0.037, -0.006)	0.008	-0.004	0.569
FEV1/FVC	FGFR3	cg00077738	8	Inverse variance weighted	0.009	0.003	0.009 (0.002, 0.015)	0.010	-0.001	0.758
FEV1/FVC	TSC2	cg04328826	1	Wald ratio	0.034	0.015	0.034 (0.004, 0.064)	0.028	NA	NA
FEV1/FVC	SGSH	cg06331359	1	Wald ratio	0.043	0.019	0.043 (0.006, 0.080)	0.024	NA	NA
FEV1/FVC	BRSK2	cg03817164	3	Inverse variance weighted	-0.012	0.005	-0.012 (-0.023, -0.002)	0.018	0.002	0.574
FEV1/FVC	STXBP2	cg27508769	1	Wald ratio	0.041	0.018	0.041 (0.005, 0.077)	0.025	NA	NA
FEV1/FVC	CFLAR	cg13311930	1	Wald ratio	0.035	0.016	0.035 (0.004, 0.067)	0.027	NA	NA
FEV1/FVC	PRKAG2	cg20972917	1	Wald ratio	0.039	0.018	0.039 (0.005, 0.074)	0.025	NA	NA
FEV1/FVC	PDHB	cg07576186	29	Inverse variance weighted	-0.006	0.003	-0.006 (-0.011, -0.002)	0.010	-0.004	0.140
FEV1/FVC	LYN	cg06818377	4	Inverse variance weighted	-0.013	0.006	-0.013 (-0.024, -0.002)	0.025	-0.003	0.434
FEV1/FVC	PIP4K2A	cg09273683	1	Wald ratio	0.026	0.012	0.026 (0.002, 0.049)	0.032	NA	NA
FEV1/FVC	HGS	cg05283453	1	Wald ratio	0.032	0.015	0.032 (0.003, 0.061)	0.029	NA	NA
FEV1/FVC	PAK2	cg12930392	5	Inverse variance weighted	0.011	0.005	0.011 (0.002, 0.020)	0.018	0.004	0.408
FEV1/FVC	NCK2	cg10808560	1	Wald ratio	0.029	0.013	0.029 (0.003, 0.055)	0.032	NA	NA
FEV1/FVC	GAB2	cg25414537	1	Wald ratio	-0.017	0.008	-0.017 (-0.032, -0.001)	0.034	NA	NA
FEV1/FVC	DDX47	cg21196265	2	Inverse variance weighted	0.026	0.011	0.026 (0.004, 0.047)	0.021	NA	NA
FEV1/FVC	ARSB	cg11837534	1	Wald ratio	-0.033	0.015	-0.033 (-0.062, -0.003)	0.030	NA	NA
FEV1/FVC	ATP6V1B2	cg04395689	2	Inverse variance weighted	0.020	0.007	0.020 (0.005, 0.034)	0.007	NA	NA
FEV1/FVC	PTGIS	cg05932408	1	Wald ratio	-0.040	0.018	-0.040 (-0.076, -0.005)	0.027	NA	NA
FEV1/FVC	DRAM1	cg10143723	2	Inverse variance weighted	0.021	0.009	0.021 (0.004, 0.039)	0.015	NA	NA
FEV1/FVC	ZMYND11	cg09859564	1	Wald ratio	0.025	0.012	0.025 (0.002, 0.048)	0.035	NA	NA
FEV1/FVC	RRAGC	cg01799521	1	Wald ratio	0.022	0.011	0.022 (0.002, 0.043)	0.035	NA	NA
FEV1/FVC	BRSK2	cg24206507	1	Wald ratio	-0.022	0.010	-0.022 (-0.042, -0.001)	0.036	NA	NA
FEV1/FVC	ABL1	cg13440206	1	Wald ratio	0.039	0.018	0.039 (0.004, 0.074)	0.028	NA	NA
FEV1/FVC	AP1S1	cg16914953	6	Inverse variance weighted	0.021	0.007	0.021 (0.008, 0.035)	0.002	0.003	0.410
FEV1/FVC	FNIP2	cg05539369	1	Wald ratio	-0.041	0.019	-0.041 (-0.078, -0.005)	0.028	NA	NA
FEV1/FVC	BCL10	cg02862864	20	Inverse variance weighted	-0.004	0.002	-0.004 (-0.009, -0.000)	0.035	0.001	0.391
FEV1/FVC	PAK2	cg21104449	10	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.014)	0.008	0.002	0.558
FEV1/FVC	RET	cg06632098	30	Inverse variance weighted	0.006	0.002	0.006 (0.002, 0.009)	6.22E-04	0.001	0.629
FEV1/FVC	PIK3R1	cg26878542	2	Inverse variance weighted	-0.018	0.007	-0.018 (-0.033, -0.004)	0.013	NA	NA
FEV1/FVC	NFATC4	cg20941956	10	Inverse variance weighted	0.012	0.004	0.012 (0.003, 0.020)	0.009	0.003	0.263
FEV1/FVC	EYA2	cg26046136	1	Wald ratio	0.023	0.011	0.023 (0.001, 0.045)	0.037	NA	NA
FEV1/FVC	TMC8;TMC6	cg16935597	2	Inverse variance weighted	-0.017	0.007	-0.017 (-0.031, -0.002)	0.024	NA	NA
FEV1/FVC	HSPA8	cg10886020	3	Inverse variance weighted	-0.014	0.005	-0.014 (-0.025, -0.004)	0.008	0.000	0.963
FEV1/FVC	LAPTM4B	cg01857802	1	Wald ratio	-0.031	0.014	-0.031 (-0.059, -0.002)	0.034	NA	NA
FEV1/FVC	TP73	cg23052055	5	Inverse variance weighted	0.015	0.004	0.015 (0.007, 0.023)	1.60E-04	0.004	0.462

FEV1/FVC	CASP10	cg12105450	4	Inverse variance weighted	-0.017	0.006	-0.017 (-0.029, -0.005)	0.005	0.000	0.929
FEV1/FVC	TMEM161A	cg19262631	1	Wald ratio	0.038	0.018	0.038 (0.003, 0.073)	0.031	NA	NA
FEV1/FVC	DRAM1	cg18394118	1	Wald ratio	0.025	0.012	0.025 (0.001, 0.048)	0.038	NA	NA
FEV1/FVC	GATA4	cg12637676	1	Wald ratio	-0.031	0.014	-0.031 (-0.059, -0.002)	0.034	NA	NA
FEV1/FVC	CALCOCO2	cg02753187	1	Wald ratio	0.033	0.016	0.033 (0.003, 0.064)	0.034	NA	NA
FEV1/FVC	GALNS	cg07731312	1	Wald ratio	0.027	0.013	0.027 (0.002, 0.052)	0.038	NA	NA
FEV1/FVC	BRSK2	cg25836589	2	Inverse variance weighted	0.018	0.008	0.018 (0.002, 0.033)	0.026	NA	NA
FEV1/FVC	CAPZB	cg12424867	1	Wald ratio	0.040	0.019	0.040 (0.004, 0.076)	0.032	NA	NA
FEV1/FVC	CHGA	cg10166151	1	Wald ratio	-0.020	0.010	-0.020 (-0.039, -0.001)	0.041	NA	NA
FEV1/FVC	BCL10	cg17322118	23	Inverse variance weighted	0.006	0.002	0.006 (0.003, 0.009)	5.40E-04	0.002	0.171
FEV1/FVC	JAK1	cg12075498	10	Inverse variance weighted	-0.004	0.002	-0.004 (-0.008, -0.001)	0.012	-0.003	0.268
FEV1/FVC	RPTOR	cg20502501	14	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.000)	0.041	-0.001	0.694
FEV1/FVC	E2F2	cg22040403	19	Inverse variance weighted	-0.005	0.002	-0.005 (-0.009, -0.001)	0.024	0.002	0.209
FEV1/FVC	LGALS8	cg01809927	9	Inverse variance weighted	0.008	0.002	0.008 (0.003, 0.012)	0.001	0.003	0.446
FEV1/FVC	BCL2	cg16445842	1	Wald ratio	0.031	0.015	0.031 (0.002, 0.060)	0.037	NA	NA
FEV1/FVC	SGPL1	cg09740037	1	Wald ratio	-0.022	0.011	-0.022 (-0.044, -0.001)	0.041	NA	NA
FEV1/FVC	TRIML1	cg03199958	5	Inverse variance weighted	0.011	0.005	0.011 (0.001, 0.020)	0.025	-0.001	0.733
FEV1/FVC	BAX	cg01284415	4	Inverse variance weighted	0.016	0.007	0.016 (0.002, 0.030)	0.025	-0.012	0.395
FEV1/FVC	PDX1	cg03907847	1	Wald ratio	0.038	0.018	0.038 (0.003, 0.074)	0.034	NA	NA
FEV1/FVC	ZBTB22;DAXX	cg10585379	1	Wald ratio	-0.031	0.015	-0.031 (-0.059, -0.002)	0.038	NA	NA
FEV1/FVC	RPS27L	cg19279045	1	Wald ratio	-0.039	0.018	-0.039 (-0.075, -0.003)	0.034	NA	NA
FEV1/FVC	GDNF	cg07309340	1	Wald ratio	-0.037	0.017	-0.037 (-0.071, -0.003)	0.034	NA	NA
FEV1/FVC	BCL10	cg16377367	5	Inverse variance weighted	0.013	0.005	0.013 (0.003, 0.023)	0.008	0.002	0.593
FEV1/FVC	NUPR1	cg01542023	3	Inverse variance weighted	0.012	0.005	0.012 (0.001, 0.023)	0.028	0.000	0.940
FEV1/FVC	KITLG	cg17399545	1	Wald ratio	0.037	0.018	0.037 (0.003, 0.072)	0.034	NA	NA
FEV1/FVC	TERT	cg13924604	1	Wald ratio	0.034	0.016	0.034 (0.002, 0.066)	0.038	NA	NA
FEV1/FVC	CHGA	cg01901466	1	Wald ratio	-0.026	0.012	-0.026 (-0.050, -0.001)	0.041	NA	NA
FEV1/FVC	BAX	cg14833160	3	Inverse variance weighted	0.025	0.006	0.025 (0.013, 0.037)	2.82E-05	-0.005	0.739
FEV1/FVC	AATF	cg14974722	1	Wald ratio	-0.026	0.013	-0.026 (-0.051, -0.001)	0.040	NA	NA
FEV1/FVC	AATF	cg06385152	1	Wald ratio	-0.026	0.013	-0.026 (-0.051, -0.001)	0.040	NA	NA
FEV1/FVC	ACSL1	cg27571769	1	Wald ratio	0.024	0.012	0.024 (0.001, 0.046)	0.041	NA	NA
FEV1/FVC	NUPR1	cg15149645	1	Wald ratio	0.015	0.007	0.015 (0.000, 0.029)	0.046	NA	NA
FEV1/FVC	ATF6	cg22522357	6	Inverse variance weighted	0.008	0.003	0.008 (0.003, 0.014)	0.003	0.003	0.171
FEV1/FVC	TPCN2	cg23247191	1	Wald ratio	0.039	0.018	0.039 (0.003, 0.075)	0.034	NA	NA
FEV1/FVC	FNIP2	cg05615763	1	Wald ratio	-0.017	0.009	-0.017 (-0.034, -0.000)	0.046	NA	NA
FEV1/FVC	PERP	cg24555822	1	Wald ratio	-0.018	0.009	-0.018 (-0.036, -0.000)	0.046	NA	NA
FEV1/FVC	JAK2	cg02405213	12	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.012)	0.002	0.001	0.841
FEV1/FVC	WIPI2	cg26660312	13	Inverse variance weighted	0.004	0.002	0.004 (0.000, 0.008)	0.033	0.000	0.853
FEV1/FVC	WIPI2	cg00579868	12	Inverse variance weighted	0.006	0.002	0.006 (0.001, 0.010)	0.016	0.000	0.923
FEV1/FVC	WIPI2	cg00393985	19	Inverse variance weighted	0.005	0.002	0.005 (0.001, 0.009)	0.006	0.000	0.983
FEV1/FVC	SFRP2	cg24968721	1	Wald ratio	-0.034	0.017	-0.034 (-0.067, -0.002)	0.038	NA	NA
FEV1/FVC	G0S2	cg14824901	1	Wald ratio	0.028	0.014	0.028 (0.001, 0.055)	0.042	NA	NA

PEF	LAPTM5	cg15459165	2	Inverse variance weighted	-0.085	0.008	-0.085 (-0.101, -0.069)	2.36E-25	NA	NA
PEF	TP53INP2	cg20592836	28	Inverse variance weighted	0.011	0.003	0.011 (0.005, 0.017)	1.46E-04	0.000	0.909
PEF	TP53INP2	cg06115741	16	Inverse variance weighted	0.024	0.005	0.024 (0.015, 0.033)	4.02E-07	0.007	0.100
PEF	GLS	cg21497043	1	Wald ratio	0.065	0.010	0.065 (0.046, 0.085)	4.80E-11	NA	NA
PEF	TRIM27	cg27120125	2	Inverse variance weighted	0.182	0.068	0.182 (0.048, 0.316)	0.008	NA	NA
PEF	TSC2	cg02851047	5	Inverse variance weighted	0.036	0.006	0.036 (0.025, 0.048)	1.49E-09	-0.003	0.498
PEF	CAPZB	cg13319175	1	Wald ratio	-0.188	0.017	-0.188 (-0.221, -0.154)	7.99E-28	NA	NA
PEF	TP53INP2	cg00820065	2	Inverse variance weighted	-0.039	0.025	-0.039 (-0.089, 0.011)	0.125	NA	NA
PEF	FAF1	cg07174182	5	Inverse variance weighted	-0.020	0.013	-0.020 (-0.045, 0.005)	0.112	-0.012	0.370
PEF	NEU1	cg13634177	1	Wald ratio	0.254	0.019	0.254 (0.217, 0.290)	7.74E-42	NA	NA
PEF	INF2	cg16004738	4	Inverse variance weighted	-0.012	0.005	-0.012 (-0.022, -0.002)	0.019	-0.003	0.772
PEF	PCGF2	cg02433498	1	Wald ratio	0.065	0.011	0.065 (0.043, 0.086)	2.34E-09	NA	NA
PEF	INF2	cg23343291	4	Inverse variance weighted	-0.037	0.007	-0.037 (-0.051, -0.022)	7.43E-07	0.010	0.595
PEF	NEU1	cg27645345	1	Wald ratio	0.199	0.020	0.199 (0.159, 0.239)	1.13E-22	NA	NA
PEF	INF2	cg02918593	2	Inverse variance weighted	-0.029	0.005	-0.029 (-0.039, -0.019)	1.04E-08	NA	NA
PEF	IFNGR2	cg14850771	9	Inverse variance weighted	-0.022	0.004	-0.022 (-0.029, -0.015)	1.18E-09	-0.003	0.192
PEF	TSC2	cg03444940	4	Inverse variance weighted	-0.025	0.005	-0.025 (-0.035, -0.015)	1.51E-06	0.000	0.954
PEF	PGD	cg13938663	2	Inverse variance weighted	-0.045	0.013	-0.045 (-0.070, -0.019)	5.92E-04	NA	NA
PEF	BLK	cg14702231	2	Inverse variance weighted	-0.026	0.005	-0.026 (-0.035, -0.017)	6.81E-09	NA	NA
PEF	GRINA	cg07980830	8	Inverse variance weighted	0.015	0.002	0.015 (0.010, 0.019)	2.73E-09	0.002	0.516
PEF	BLK	cg26161004	9	Inverse variance weighted	-0.029	0.004	-0.029 (-0.036, -0.022)	8.42E-15	0.000	0.942
PEF	MUC1	cg22500132	1	Wald ratio	-0.076	0.013	-0.076 (-0.101, -0.050)	4.10E-09	NA	NA
PEF	ATP6V0A2	cg02460419	11	Inverse variance weighted	0.022	0.003	0.022 (0.015, 0.028)	1.34E-10	0.002	0.487
PEF	ATP6V0A2	cg06735598	14	Inverse variance weighted	-0.017	0.003	-0.017 (-0.023, -0.012)	1.35E-09	-0.004	0.066
PEF	STAT1	cg18766080	1	Wald ratio	0.159	0.020	0.159 (0.121, 0.197)	3.53E-16	NA	NA
PEF	ATP13A2	cg06953703	1	Wald ratio	0.113	0.017	0.113 (0.079, 0.146)	3.37E-11	NA	NA
PEF	PCGF2	cg18896448	1	Wald ratio	0.077	0.014	0.077 (0.050, 0.104)	1.62E-08	NA	NA
PEF	GSDMC	cg23990303	1	Wald ratio	-0.046	0.009	-0.046 (-0.064, -0.028)	5.73E-07	NA	NA
PEF	KIF1B	cg26247646	3	Inverse variance weighted	0.024	0.010	0.024 (0.004, 0.044)	0.020	-0.002	0.860
PEF	CTSF	cg05087948	1	Wald ratio	-0.059	0.012	-0.059 (-0.082, -0.036)	3.56E-07	NA	NA
PEF	GAB2	cg24769381	13	Inverse variance weighted	0.010	0.002	0.010 (0.006, 0.014)	3.07E-06	-0.001	0.725
PEF	MUC1	cg22531371	1	Wald ratio	-0.098	0.016	-0.098 (-0.129, -0.066)	1.20E-09	NA	NA
PEF	TSC2	cg04328826	1	Wald ratio	0.097	0.016	0.097 (0.065, 0.130)	2.86E-09	NA	NA
PEF	KIF1B	cg11399195	2	Inverse variance weighted	0.025	0.015	0.025 (-0.004, 0.054)	0.095	NA	NA
PEF	KIF1B	cg03517919	2	Inverse variance weighted	-0.027	0.012	-0.027 (-0.052, -0.003)	0.030	NA	NA
PEF	FAF1	cg12421536	1	Wald ratio	-0.074	0.015	-0.074 (-0.103, -0.045)	6.45E-07	NA	NA
PEF	SLC30A2	cg01689405	1	Wald ratio	-0.056	0.011	-0.056 (-0.079, -0.034)	6.77E-07	NA	NA
PEF	KDR	cg01340163	1	Wald ratio	-0.053	0.011	-0.053 (-0.074, -0.032)	9.15E-07	NA	NA
PEF	GAB2	cg26672202	5	Inverse variance weighted	-0.019	0.003	-0.019 (-0.025, -0.012)	4.94E-08	0.003	0.401
PEF	GLS	cg03661409	1	Wald ratio	-0.091	0.016	-0.091 (-0.123, -0.060)	1.25E-08	NA	NA
PEF	JMY	cg24856658	1	Wald ratio	-0.046	0.010	-0.046 (-0.065, -0.027)	2.70E-06	NA	NA
PEF	NRBP2	cg02658043	17	Inverse variance weighted	0.006	0.002	0.006 (0.002, 0.010)	0.007	-0.003	0.184

PEF	NRBP2	cg13283896	7	Inverse variance weighted	-0.014	0.003	-0.014 (-0.021, -0.007)	3.27E-05	0.003	0.554
PEF	RASIP1	cg12258179	1	Wald ratio	0.054	0.011	0.054 (0.032, 0.076)	1.94E-06	NA	NA
PEF	GFAP	cg20911989	11	Inverse variance weighted	0.020	0.004	0.020 (0.011, 0.028)	5.31E-06	-0.002	0.546
PEF	WDR6	cg00383909	7	Inverse variance weighted	0.016	0.004	0.016 (0.009, 0.023)	4.19E-06	0.004	0.103
PEF	STAT1	cg19881581	1	Wald ratio	-0.117	0.019	-0.117 (-0.154, -0.080)	4.90E-10	NA	NA
PEF	GFAP	cg16343401	16	Inverse variance weighted	0.018	0.003	0.018 (0.013, 0.023)	1.06E-11	0.000	0.917
PEF	ATP6V0A2	cg21179092	1	Wald ratio	0.051	0.011	0.051 (0.030, 0.073)	2.70E-06	NA	NA
PEF	ATP13A2	cg16027378	1	Wald ratio	0.109	0.018	0.109 (0.073, 0.145)	2.50E-09	NA	NA
PEF	CLEC16A	cg10390979	1	Wald ratio	-0.048	0.010	-0.048 (-0.068, -0.028)	3.97E-06	NA	NA
PEF	AKT1	cg23176538	4	Inverse variance weighted	-0.021	0.014	-0.021 (-0.049, 0.006)	0.129	0.000	0.974
PEF	SLC38A9	cg07262873	1	Wald ratio	0.079	0.015	0.079 (0.050, 0.108)	1.45E-07	NA	NA
PEF	ATP6V0A2	cg04140754	12	Inverse variance weighted	0.015	0.003	0.015 (0.009, 0.022)	1.78E-06	0.003	0.328
PEF	KIF1B	cg19092837	3	Inverse variance weighted	0.036	0.014	0.036 (0.009, 0.063)	0.010	-0.003	0.842
PEF	BLK	cg21175976	38	Inverse variance weighted	-0.019	0.003	-0.019 (-0.024, -0.014)	8.01E-13	0.001	0.578
PEF	IREB2	cg13714459	1	Wald ratio	-0.040	0.009	-0.040 (-0.057, -0.022)	8.81E-06	NA	NA
PEF	KIF1B	cg11802797	2	Inverse variance weighted	-0.040	0.020	-0.040 (-0.079, -0.001)	0.042	NA	NA
PEF	STX4	cg07404961	4	Inverse variance weighted	-0.031	0.006	-0.031 (-0.042, -0.020)	6.48E-08	0.001	0.860
PEF	ATP6V0A2	cg25710520	6	Inverse variance weighted	-0.023	0.005	-0.023 (-0.033, -0.014)	9.00E-07	-0.003	0.495
PEF	IREB2	cg18825076	11	Inverse variance weighted	0.011	0.002	0.011 (0.007, 0.016)	2.07E-06	-0.002	0.425
PEF	GPSM1;LOC26102	cg13683534	2	Inverse variance weighted	-0.020	0.030	-0.020 (-0.079, 0.040)	0.516	NA	NA
PEF	WDR6	cg07636037	17	Inverse variance weighted	-0.010	0.003	-0.010 (-0.017, -0.004)	0.001	0.001	0.886
PEF	SFN	cg13235717	1	Wald ratio	-0.049	0.011	-0.049 (-0.070, -0.027)	8.95E-06	NA	NA
PEF	GAB2	cg07780377	1	Wald ratio	0.059	0.013	0.059 (0.034, 0.084)	3.37E-06	NA	NA
PEF	PHLDA3	cg18569595	2	Inverse variance weighted	-0.033	0.007	-0.033 (-0.047, -0.020)	1.21E-06	NA	NA
PEF	STX4	cg06233904	1	Wald ratio	0.044	0.010	0.044 (0.024, 0.064)	1.65E-05	NA	NA
PEF	WDR6	cg05785598	8	Inverse variance weighted	-0.018	0.007	-0.018 (-0.032, -0.005)	0.009	0.002	0.813
PEF	SLC38A9	cg07042489	1	Wald ratio	0.080	0.016	0.080 (0.048, 0.111)	5.73E-07	NA	NA
PEF	TGFB2	cg20991819	1	Wald ratio	-0.098	0.018	-0.098 (-0.133, -0.063)	5.68E-08	NA	NA
PEF	GPSM1	cg21195231	6	Inverse variance weighted	-0.021	0.006	-0.021 (-0.032, -0.010)	2.56E-04	-0.005	0.245
PEF	INF2	cg23998240	2	Inverse variance weighted	-0.028	0.006	-0.028 (-0.039, -0.016)	1.15E-06	NA	NA
PEF	BCL2L1	cg13852791	19	Inverse variance weighted	-0.014	0.003	-0.014 (-0.019, -0.008)	2.72E-07	-0.002	0.467
PEF	GAB2	cg13319772	1	Wald ratio	0.069	0.015	0.069 (0.040, 0.098)	2.53E-06	NA	NA
PEF	IREB2	cg19941054	1	Wald ratio	-0.041	0.010	-0.041 (-0.059, -0.022)	2.42E-05	NA	NA
PEF	PHLDA3	cg00962755	3	Inverse variance weighted	-0.031	0.008	-0.031 (-0.046, -0.015)	1.06E-04	0.001	0.895
PEF	HSP90AA1	cg02017208	7	Inverse variance weighted	-0.019	0.004	-0.019 (-0.026, -0.011)	1.54E-06	0.000	0.985
PEF	FLNB	cg03479209	1	Wald ratio	0.042	0.010	0.042 (0.023, 0.061)	1.96E-05	NA	NA
PEF	MAMSTR;RASIP1	cg18886062	1	Wald ratio	0.068	0.015	0.068 (0.039, 0.096)	3.48E-06	NA	NA
PEF	PML	cg19394923	3	Inverse variance weighted	-0.028	0.012	-0.028 (-0.052, -0.004)	0.023	-0.001	0.970
PEF	AKT1	cg19645788	4	Inverse variance weighted	-0.013	0.008	-0.013 (-0.029, 0.003)	0.108	0.006	0.460
PEF	KDM1A	cg23271558	1	Wald ratio	-0.060	0.014	-0.060 (-0.086, -0.033)	1.29E-05	NA	NA
PEF	WWOX	cg02795629	2	Inverse variance weighted	0.057	0.022	0.057 (0.013, 0.100)	0.010	NA	NA
PEF	INF2	cg03573445	1	Wald ratio	-0.056	0.013	-0.056 (-0.082, -0.030)	1.87E-05	NA	NA

PEF	MAMSTR;RASIP1	cg10404009	1	Wald ratio	0.047	0.011	0.047 (0.025, 0.069)	2.76E-05	NA	NA
PEF	MUC1	cg18804777	2	Inverse variance weighted	-0.042	0.010	-0.042 (-0.061, -0.024)	1.03E-05	NA	NA
PEF	KDR	cg25444386	1	Wald ratio	-0.096	0.019	-0.096 (-0.133, -0.058)	4.90E-07	NA	NA
PEF	TPCN2	cg01385198	5	Inverse variance weighted	0.013	0.007	0.013 (-0.002, 0.028)	0.085	-0.009	0.141
PEF	CTSW	cg01669108	14	Inverse variance weighted	0.011	0.003	0.011 (0.006, 0.016)	2.61E-05	-0.001	0.377
PEF	GAB2	cg25502267	1	Wald ratio	0.064	0.015	0.064 (0.035, 0.093)	1.60E-05	NA	NA
PEF	FAIM	cg17462391	2	Inverse variance weighted	0.029	0.015	0.029 (0.000, 0.057)	0.049	NA	NA
PEF	GFAP	cg10855825	1	Wald ratio	0.065	0.015	0.065 (0.036, 0.094)	1.47E-05	NA	NA
PEF	FOXK1	cg09395443	2	Inverse variance weighted	0.033	0.037	0.033 (-0.039, 0.105)	0.365	NA	NA
PEF	ARHGEF2	cg11216632	7	Inverse variance weighted	-0.024	0.007	-0.024 (-0.038, -0.011)	4.49E-04	-0.006	0.124
PEF	TRAF7	cg00812236	9	Inverse variance weighted	-0.015	0.003	-0.015 (-0.020, -0.010)	1.81E-08	0.001	0.751
PEF	INF2	cg01836137	2	Inverse variance weighted	-0.033	0.007	-0.033 (-0.047, -0.020)	1.67E-06	NA	NA
PEF	GFAP	cg02407342	1	Wald ratio	0.066	0.015	0.066 (0.036, 0.095)	1.47E-05	NA	NA
PEF	STX4	cg08893833	1	Wald ratio	0.055	0.013	0.055 (0.029, 0.081)	3.87E-05	NA	NA
PEF	AKT1	cg02072813	2	Inverse variance weighted	-0.044	0.020	-0.044 (-0.082, -0.005)	0.026	NA	NA
PEF	CTSW	cg23483894	5	Inverse variance weighted	0.024	0.005	0.024 (0.013, 0.035)	8.46E-06	0.000	0.907
PEF	CTSK	cg20817941	3	Inverse variance weighted	0.022	0.021	0.022 (-0.019, 0.062)	0.290	-0.032	0.422
PEF	HSP90AA1	cg11789371	1	Wald ratio	0.047	0.012	0.047 (0.024, 0.071)	7.14E-05	NA	NA
PEF	CTSK	cg20802392	3	Inverse variance weighted	0.023	0.022	0.023 (-0.020, 0.066)	0.299	-0.027	0.514
PEF	FAIM	cg02712878	4	Inverse variance weighted	0.018	0.005	0.018 (0.008, 0.028)	3.02E-04	0.004	0.563
PEF	CLEC16A	cg04616529	7	Inverse variance weighted	-0.019	0.005	-0.019 (-0.028, -0.010)	7.02E-05	0.003	0.295
PEF	INF2	cg05210373	1	Wald ratio	0.046	0.012	0.046 (0.023, 0.068)	9.62E-05	NA	NA
PEF	INF2	cg04966159	1	Wald ratio	0.046	0.012	0.046 (0.023, 0.070)	9.62E-05	NA	NA
PEF	CTSW	cg03887787	23	Inverse variance weighted	0.008	0.003	0.008 (0.001, 0.014)	0.015	-0.002	0.313
PEF	CTSW	cg18410078	20	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.015)	0.005	-0.001	0.692
PEF	TPCN2	cg26433582	2	Inverse variance weighted	0.026	0.024	0.026 (-0.021, 0.073)	0.285	NA	NA
PEF	PELI3	cg20446641	2	Inverse variance weighted	-0.043	0.010	-0.043 (-0.062, -0.024)	1.34E-05	NA	NA
PEF	IL6R	cg20688791	1	Wald ratio	-0.055	0.014	-0.055 (-0.082, -0.028)	6.33E-05	NA	NA
PEF	NRBP2	cg06371044	1	Wald ratio	0.075	0.017	0.075 (0.041, 0.109)	1.65E-05	NA	NA
PEF	INF2	cg13590876	1	Wald ratio	-0.073	0.017	-0.073 (-0.107, -0.040)	1.87E-05	NA	NA
PEF	CTSW	cg08416661	11	Inverse variance weighted	0.015	0.004	0.015 (0.008, 0.022)	3.29E-05	-0.002	0.270
PEF	ATP6V0A2	cg16376770	1	Wald ratio	-0.076	0.018	-0.076 (-0.111, -0.041)	1.65E-05	NA	NA
PEF	CTSW	cg25470561	5	Inverse variance weighted	0.019	0.005	0.019 (0.010, 0.029)	8.81E-05	-0.001	0.763
PEF	GPSM1;LOC26102	cg14479136	1	Wald ratio	0.079	0.018	0.079 (0.043, 0.114)	1.39E-05	NA	NA
PEF	CTSW	cg19792802	6	Inverse variance weighted	0.025	0.006	0.025 (0.013, 0.037)	2.72E-05	0.001	0.794
PEF	GAB2	cg12700464	1	Wald ratio	0.089	0.019	0.089 (0.051, 0.126)	3.37E-06	NA	NA
PEF	CDKN2D	cg04833646	14	Inverse variance weighted	-0.015	0.003	-0.015 (-0.021, -0.009)	2.80E-06	-0.002	0.354
PEF	TPCN2	cg18503234	1	Wald ratio	0.049	0.013	0.049 (0.024, 0.074)	1.53E-04	NA	NA
PEF	CD164	cg08222271	1	Wald ratio	0.036	0.010	0.036 (0.017, 0.054)	2.22E-04	NA	NA
PEF	WWOX	cg10001715	7	Inverse variance weighted	-0.020	0.005	-0.020 (-0.030, -0.011)	2.70E-05	-0.002	0.613
PEF	BLK	cg16861076	1	Wald ratio	-0.080	0.018	-0.080 (-0.115, -0.045)	9.73E-06	NA	NA
PEF	EYA2	cg26046136	1	Wald ratio	-0.043	0.012	-0.043 (-0.066, -0.020)	1.99E-04	NA	NA

PEF	YAP1	cg20782778	9	Inverse variance weighted	-0.016	0.006	-0.016 (-0.027, -0.005)	0.005	0.000	0.998
PEF	SFRP1	cg14904908	1	Wald ratio	-0.040	0.011	-0.040 (-0.061, -0.019)	2.22E-04	NA	NA
PEF	WNT4	cg17022577	4	Inverse variance weighted	-0.033	0.013	-0.033 (-0.058, -0.009)	0.008	-0.008	0.279
PEF	SFRP2	cg14289246	9	Inverse variance weighted	-0.004	0.003	-0.004 (-0.010, 0.002)	0.164	0.002	0.494
PEF	DAXX	cg27052777	1	Wald ratio	0.048	0.013	0.048 (0.023, 0.073)	1.70E-04	NA	NA
PEF	EYA4	cg01162672	1	Wald ratio	0.062	0.015	0.062 (0.032, 0.092)	5.47E-05	NA	NA
PEF	AP1M2	cg14985481	2	Inverse variance weighted	0.033	0.009	0.033 (0.015, 0.050)	3.62E-04	NA	NA
PEF	BCL2L1	cg08257293	7	Inverse variance weighted	-0.025	0.008	-0.025 (-0.041, -0.009)	0.002	-0.004	0.514
PEF	AP1M2	cg26999505	2	Inverse variance weighted	0.028	0.008	0.028 (0.013, 0.043)	2.14E-04	NA	NA
PEF	CTSS	cg15900387	1	Wald ratio	0.057	0.015	0.057 (0.027, 0.087)	1.70E-04	NA	NA
PEF	JMY	cg09228878	1	Wald ratio	0.069	0.017	0.069 (0.035, 0.103)	6.33E-05	NA	NA
PEF	SFRP2	cg20727217	1	Wald ratio	-0.047	0.013	-0.047 (-0.073, -0.022)	2.57E-04	NA	NA
PEF	TFDP2	cg00217306	2	Inverse variance weighted	-0.028	0.008	-0.028 (-0.044, -0.012)	6.85E-04	NA	NA
PEF	MLST8	cg04079779	4	Inverse variance weighted	0.023	0.009	0.023 (0.006, 0.040)	0.007	0.002	0.761
PEF	MYH14	cg08183141	2	Inverse variance weighted	0.018	0.021	0.018 (-0.023, 0.059)	0.392	NA	NA
PEF	MLST8	cg03910196	3	Inverse variance weighted	0.023	0.007	0.023 (0.010, 0.037)	7.75E-04	0.002	0.794
PEF	SFRP2	cg09788843	2	Inverse variance weighted	-0.024	0.019	-0.024 (-0.061, 0.013)	0.210	NA	NA
PEF	SFRP2	cg23207990	2	Inverse variance weighted	0.029	0.007	0.029 (0.015, 0.043)	7.40E-05	NA	NA
PEF	GAB2	cg13226797	1	Wald ratio	0.060	0.016	0.060 (0.029, 0.091)	1.56E-04	NA	NA
PEF	CTSF	cg23230554	4	Inverse variance weighted	-0.037	0.006	-0.037 (-0.049, -0.025)	2.62E-09	-0.002	0.670
PEF	SFRP2	cg10663078	2	Inverse variance weighted	-0.030	0.024	-0.030 (-0.078, 0.018)	0.219	NA	NA
PEF	GBA	cg02834765	2	Inverse variance weighted	0.061	0.021	0.061 (0.019, 0.103)	0.004	NA	NA
PEF	SFRP2	cg13357229	3	Inverse variance weighted	-0.031	0.008	-0.031 (-0.046, -0.016)	3.90E-05	0.014	0.405
PEF	ARSG	cg00970435	3	Inverse variance weighted	0.020	0.007	0.020 (0.007, 0.033)	0.002	-0.004	0.396
PEF	KIF25	cg10146514	1	Wald ratio	-0.040	0.012	-0.040 (-0.063, -0.018)	4.65E-04	NA	NA
PEF	SFRP2	cg23121156	2	Inverse variance weighted	0.032	0.008	0.032 (0.016, 0.048)	6.65E-05	NA	NA
PEF	AP1M2	cg11657665	6	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.003)	0.006	0.003	0.399
PEF	IRF3;BCL2L12	cg09250473	8	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.014)	0.001	-0.002	0.602
PEF	SFRP2	cg22178613	6	Inverse variance weighted	0.019	0.004	0.019 (0.011, 0.027)	5.50E-06	0.002	0.696
PEF	SFRP2	cg14435644	2	Inverse variance weighted	-0.026	0.022	-0.026 (-0.069, 0.017)	0.230	NA	NA
PEF	ERBB3	cg10869879	2	Inverse variance weighted	0.022	0.013	0.022 (-0.004, 0.048)	0.094	NA	NA
PEF	INF2	cg17984022	3	Inverse variance weighted	-0.013	0.004	-0.013 (-0.020, -0.006)	3.70E-04	-0.001	0.861
PEF	SFRP2	cg24241928	1	Wald ratio	-0.031	0.009	-0.031 (-0.049, -0.013)	9.32E-04	NA	NA
PEF	SFRP2	cg21630608	1	Wald ratio	-0.045	0.013	-0.045 (-0.070, -0.020)	4.96E-04	NA	NA
PEF	FOXK1	cg19336198	1	Wald ratio	0.056	0.016	0.056 (0.026, 0.087)	3.06E-04	NA	NA
PEF	RET	cg06632098	30	Inverse variance weighted	0.009	0.002	0.009 (0.005, 0.013)	1.78E-06	0.001	0.544
PEF	FAIM	cg06309968	1	Wald ratio	0.054	0.015	0.054 (0.025, 0.084)	3.18E-04	NA	NA
PEF	SFRP1	cg07935886	1	Wald ratio	-0.053	0.015	-0.053 (-0.081, -0.024)	3.00E-04	NA	NA
PEF	SFRP1	cg03133371	1	Wald ratio	-0.058	0.016	-0.058 (-0.089, -0.027)	2.22E-04	NA	NA
PEF	DAXX	cg14910283	1	Wald ratio	0.068	0.018	0.068 (0.032, 0.103)	1.70E-04	NA	NA
PEF	PIK3CD	cg23098018	1	Wald ratio	-0.070	0.018	-0.070 (-0.106, -0.035)	9.91E-05	NA	NA
PEF	MEFV	cg03919650	1	Wald ratio	0.031	0.009	0.031 (0.013, 0.049)	9.32E-04	NA	NA

PEF	GATA4	cg19172575	2	Inverse variance weighted	0.036	0.009	0.036 (0.019, 0.054)	4.96E-05	NA	NA
PEF	RPS27L	cg23837188	2	Inverse variance weighted	0.023	0.007	0.023 (0.010, 0.036)	4.85E-04	NA	NA
PEF	MUL1	cg26370078	14	Inverse variance weighted	-0.011	0.002	-0.011 (-0.016, -0.007)	1.71E-06	-0.001	0.629
PEF	MLST8	cg01500402	1	Wald ratio	0.037	0.011	0.037 (0.016, 0.059)	7.46E-04	NA	NA
PEF	MLST8	cg09616053	4	Inverse variance weighted	0.028	0.012	0.028 (0.006, 0.051)	0.014	0.006	0.645
PEF	BCL2L1	cg12873919	6	Inverse variance weighted	-0.027	0.009	-0.027 (-0.044, -0.010)	0.002	-0.005	0.603
PEF	ZC3HC1	cg05055930	11	Inverse variance weighted	0.014	0.003	0.014 (0.008, 0.021)	2.26E-05	0.001	0.727
PEF	MET	cg25299676	4	Inverse variance weighted	0.020	0.005	0.020 (0.009, 0.030)	3.74E-04	0.004	0.424
PEF	GDNF	cg07309340	1	Wald ratio	0.071	0.019	0.071 (0.034, 0.107)	1.58E-04	NA	NA
PEF	WWOX	cg01365766	1	Wald ratio	-0.063	0.017	-0.063 (-0.098, -0.029)	2.87E-04	NA	NA
PEF	ZBTB22;DAXX	cg10585379	1	Wald ratio	-0.056	0.016	-0.056 (-0.087, -0.025)	4.34E-04	NA	NA
PEF	RPS27L	cg26210447	7	Inverse variance weighted	-0.017	0.004	-0.017 (-0.025, -0.009)	3.44E-05	0.000	0.917
PEF	ATP2A3	cg01703329	3	Inverse variance weighted	0.022	0.006	0.022 (0.010, 0.035)	5.59E-04	0.003	0.593
PEF	SFRP2	cg05241277	1	Wald ratio	-0.043	0.013	-0.043 (-0.067, -0.018)	7.27E-04	NA	NA
PEF	OTUB1	cg13692972	1	Wald ratio	0.023	0.012	0.023 (-0.001, 0.047)	0.062	NA	NA
PEF	RAF1	cg23032965	18	Inverse variance weighted	-0.009	0.002	-0.009 (-0.014, -0.005)	1.10E-04	-0.003	0.129
PEF	PHLDA3	cg04055835	3	Inverse variance weighted	0.037	0.009	0.037 (0.020, 0.054)	3.20E-05	0.013	0.475
PEF	GATA4	cg01546563	6	Inverse variance weighted	-0.024	0.007	-0.024 (-0.037, -0.011)	2.57E-04	-0.001	0.810
PEF	ERBB3	cg23731805	1	Wald ratio	0.025	0.008	0.025 (0.010, 0.041)	0.001	NA	NA
PEF	SFRP2	cg13732865	2	Inverse variance weighted	-0.028	0.020	-0.028 (-0.068, 0.011)	0.159	NA	NA
PEF	SFRP1	cg10406295	1	Wald ratio	-0.069	0.018	-0.069 (-0.105, -0.033)	1.64E-04	NA	NA
PEF	DAB2IP	cg14136214	1	Wald ratio	0.038	0.012	0.038 (0.015, 0.061)	0.001	NA	NA
PEF	OSBPL7	cg02206375	1	Wald ratio	0.066	0.018	0.066 (0.031, 0.102)	2.73E-04	NA	NA
PEF	INF2	cg24404909	1	Wald ratio	0.064	0.018	0.064 (0.029, 0.100)	3.77E-04	NA	NA
PEF	PPARD	cg21748751	4	Inverse variance weighted	0.025	0.011	0.025 (0.003, 0.047)	0.026	-0.004	0.586
PEF	INF2	cg18996808	2	Inverse variance weighted	0.039	0.010	0.039 (0.019, 0.059)	1.34E-04	NA	NA
PEF	SFRP2	cg23502475	2	Inverse variance weighted	-0.032	0.010	-0.032 (-0.051, -0.013)	9.64E-04	NA	NA
PEF	NRBP2	cg21414636	8	Inverse variance weighted	0.013	0.005	0.013 (0.002, 0.023)	0.020	0.007	0.337
PEF	NRBP2	cg20545721	7	Inverse variance weighted	0.013	0.005	0.013 (0.003, 0.024)	0.013	0.004	0.422
PEF	SFRP1	cg00000321	1	Wald ratio	-0.063	0.018	-0.063 (-0.098, -0.029)	3.00E-04	NA	NA
PEF	OTUB1	cg08231730	2	Inverse variance weighted	0.024	0.012	0.024 (-0.000, 0.048)	0.054	NA	NA
PEF	PRKCA;MIR634	cg20152382	1	Wald ratio	-0.048	0.014	-0.048 (-0.076, -0.019)	9.41E-04	NA	NA
PEF	RPS27L	cg02713581	3	Inverse variance weighted	-0.022	0.009	-0.022 (-0.039, -0.004)	0.014	-0.002	0.825
PEF	GSDMC	cg26073844	1	Wald ratio	-0.045	0.014	-0.045 (-0.072, -0.018)	0.001	NA	NA
PEF	FNIP2	cg05615763	1	Wald ratio	-0.028	0.009	-0.028 (-0.045, -0.010)	0.002	NA	NA
PEF	DAXX	cg09992055	1	Wald ratio	0.060	0.017	0.060 (0.026, 0.094)	5.82E-04	NA	NA
PEF	SFRP2	cg11354906	1	Wald ratio	0.050	0.019	0.050 (0.012, 0.088)	0.011	NA	NA
PEF	FLNB	cg05093811	14	Inverse variance weighted	-0.011	0.003	-0.011 (-0.018, -0.004)	0.001	0.000	0.971
PEF	SFRP2	cg04959480	1	Wald ratio	-0.046	0.014	-0.046 (-0.073, -0.018)	0.001	NA	NA
PEF	RAF1	cg13703021	1	Wald ratio	-0.032	0.010	-0.032 (-0.052, -0.012)	0.002	NA	NA
PEF	ING5	cg21244745	2	Inverse variance weighted	0.012	0.011	0.012 (-0.009, 0.032)	0.277	NA	NA
PEF	SFRP1	cg01074584	1	Wald ratio	-0.054	0.016	-0.054 (-0.086, -0.023)	7.13E-04	NA	NA

PEF	SFRP2	cg07999845	1	Wald ratio	-0.056	0.017	-0.056 (-0.090, -0.023)	9.32E-04	NA	NA
PEF	DIDO1	cg15815827	2	Inverse variance weighted	0.021	0.007	0.021 (0.007, 0.034)	0.003	NA	NA
PEF	ORMDL3	cg18711369	14	Inverse variance weighted	0.012	0.003	0.012 (0.006, 0.018)	7.08E-05	0.002	0.559
PEF	ORMDL3	cg10909506	17	Inverse variance weighted	0.011	0.003	0.011 (0.006, 0.017)	8.90E-05	0.002	0.409
PEF	OTUB1	cg12836303	5	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.004)	0.003	0.003	0.346
PEF	SFRP2	cg23910835	1	Wald ratio	-0.068	0.020	-0.068 (-0.107, -0.030)	4.96E-04	NA	NA
PEF	MET	cg27472701	1	Wald ratio	-0.047	0.015	-0.047 (-0.076, -0.018)	0.001	NA	NA
PEF	GSK3B	cg14479617	9	Inverse variance weighted	0.014	0.005	0.014 (0.005, 0.023)	0.003	0.003	0.450
PEF	PARP1	cg24937136	27	Inverse variance weighted	-0.007	0.002	-0.007 (-0.010, -0.003)	1.47E-04	-0.001	0.269
PEF	ZBTB22;DAXX	cg06477487	1	Wald ratio	-0.067	0.019	-0.067 (-0.104, -0.029)	5.82E-04	NA	NA
PEF	MEFV	cg05554494	1	Wald ratio	0.023	0.008	0.023 (0.008, 0.038)	0.003	NA	NA
PEF	RASIP1	cg19420129	4	Inverse variance weighted	-0.016	0.014	-0.016 (-0.043, 0.011)	0.254	-0.003	0.746
PEF	FOXK2	cg08848988	1	Wald ratio	-0.025	0.008	-0.025 (-0.041, -0.009)	0.003	NA	NA
PEF	EPHA2	cg26793227	1	Wald ratio	-0.077	0.019	-0.077 (-0.115, -0.040)	5.65E-05	NA	NA
PEF	KDM4A	cg19743044	10	Inverse variance weighted	0.010	0.003	0.010 (0.004, 0.015)	0.001	0.003	0.239
PEF	SFRP2	cg03202804	1	Wald ratio	0.032	0.011	0.032 (0.011, 0.053)	0.002	NA	NA
PEF	PARP1	cg23712594	6	Inverse variance weighted	-0.018	0.005	-0.018 (-0.027, -0.009)	1.51E-04	-0.001	0.769
PEF	KDM4A	cg05886813	9	Inverse variance weighted	0.010	0.004	0.010 (0.003, 0.018)	0.004	0.002	0.550
PEF	TRIM8	cg27391127	2	Inverse variance weighted	0.026	0.009	0.026 (0.009, 0.043)	0.002	NA	NA
PEF	DIDO1	cg02128085	1	Wald ratio	-0.063	0.019	-0.063 (-0.100, -0.027)	6.36E-04	NA	NA
PEF	ATP2A3	cg20473595	4	Inverse variance weighted	0.018	0.012	0.018 (-0.006, 0.042)	0.144	-0.020	0.274
PEF	GSDMA	cg21790570	2	Inverse variance weighted	0.026	0.009	0.026 (0.010, 0.043)	0.002	NA	NA
PEF	CD70	cg22633597	4	Inverse variance weighted	0.012	0.006	0.012 (-0.000, 0.024)	0.051	-0.005	0.680
PEF	ERBB3	cg00907267	1	Wald ratio	0.046	0.014	0.046 (0.019, 0.073)	8.19E-04	NA	NA
PEF	AP1M2	cg26292442	1	Wald ratio	0.064	0.019	0.064 (0.027, 0.102)	8.19E-04	NA	NA
PEF	DIDO1	cg24804517	4	Inverse variance weighted	-0.027	0.007	-0.027 (-0.041, -0.012)	2.45E-04	-0.009	0.366
PEF	WWOX	cg10855967	8	Inverse variance weighted	0.012	0.007	0.012 (-0.001, 0.025)	0.077	-0.005	0.358
PEF	IGF1	cg25163611	1	Wald ratio	-0.056	0.017	-0.056 (-0.089, -0.022)	0.001	NA	NA
PEF	PARP1	cg18590995	3	Inverse variance weighted	-0.025	0.009	-0.025 (-0.043, -0.008)	0.005	-0.086	0.373
PEF	SFRP2	cg05961809	2	Inverse variance weighted	0.034	0.009	0.034 (0.017, 0.051)	1.09E-04	NA	NA
PEF	GGA1	cg21268578	1	Wald ratio	-0.050	0.016	-0.050 (-0.081, -0.019)	0.002	NA	NA
PEF	ALOX12	cg08870757	1	Wald ratio	-0.048	0.016	-0.048 (-0.079, -0.018)	0.002	NA	NA
PEF	KIT	cg06483432	2	Inverse variance weighted	0.018	0.014	0.018 (-0.011, 0.046)	0.225	NA	NA
PEF	ATP2A3	cg18963239	2	Inverse variance weighted	0.020	0.020	0.020 (-0.019, 0.058)	0.323	NA	NA
PEF	KIF1B	cg26116724	1	Wald ratio	0.051	0.016	0.051 (0.020, 0.083)	0.002	NA	NA
PEF	SERINC3	cg17465920	1	Wald ratio	0.033	0.011	0.033 (0.011, 0.055)	0.003	NA	NA
PEF	DIDO1	cg10006442	9	Inverse variance weighted	-0.013	0.004	-0.013 (-0.022, -0.004)	0.003	0.000	0.975
PEF	MCL1	cg13175981	16	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.003)	0.007	0.000	0.974
PEF	ASAH1	cg18067069	13	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.001)	0.027	0.000	0.925
PEF	ICAM4;ICAM1	cg00500176	7	Inverse variance weighted	-0.016	0.004	-0.016 (-0.025, -0.008)	1.21E-04	-0.002	0.556
PEF	XBP1	cg00651286	9	Inverse variance weighted	-0.009	0.003	-0.009 (-0.015, -0.003)	0.002	0.002	0.482
PEF	PCGF2	cg23302321	1	Wald ratio	-0.055	0.017	-0.055 (-0.089, -0.021)	0.002	NA	NA

PEF	GATA4	cg18283386	1	Wald ratio	-0.039	0.013	-0.039 (-0.065, -0.014)	0.003	NA	NA
PEF	BLK	cg04335815	3	Inverse variance weighted	0.016	0.010	0.016 (-0.003, 0.035)	0.092	-0.039	0.323
PEF	GSDMD	cg15172061	16	Inverse variance weighted	-0.005	0.003	-0.005 (-0.010, -0.000)	0.036	0.000	0.928
PEF	PARP1	cg17127702	22	Inverse variance weighted	-0.009	0.002	-0.009 (-0.013, -0.005)	8.14E-06	-0.001	0.482
PEF	PEBP1	cg16572268	3	Inverse variance weighted	0.023	0.007	0.023 (0.010, 0.036)	3.73E-04	0.002	0.718
PEF	AKR1C1	cg07639198	8	Inverse variance weighted	-0.010	0.005	-0.010 (-0.019, -0.000)	0.046	0.000	0.974
PEF	IL6R	cg15633035	1	Wald ratio	-0.041	0.014	-0.041 (-0.068, -0.015)	0.002	NA	NA
PEF	SFRP2	cg05774801	1	Wald ratio	0.046	0.015	0.046 (0.016, 0.076)	0.002	NA	NA
PEF	BCL2	cg12459502	1	Wald ratio	-0.049	0.016	-0.049 (-0.081, -0.018)	0.002	NA	NA
PEF	ERBB3	cg05207107	2	Inverse variance weighted	-0.027	0.009	-0.027 (-0.043, -0.010)	0.002	NA	NA
PEF	USP13	cg05726764	17	Inverse variance weighted	0.009	0.003	0.009 (0.004, 0.015)	5.71E-04	0.003	0.192
PEF	CHGA	cg16290737	5	Inverse variance weighted	-0.016	0.007	-0.016 (-0.030, -0.002)	0.025	-0.007	0.244
PEF	USP36	cg05380734	6	Inverse variance weighted	-0.021	0.005	-0.021 (-0.031, -0.011)	3.99E-05	-0.001	0.768
PEF	MAPK9	cg03605361	1	Wald ratio	0.048	0.016	0.048 (0.017, 0.079)	0.002	NA	NA
PEF	FOXK1	cg06846441	1	Wald ratio	0.024	0.008	0.024 (0.007, 0.040)	0.005	NA	NA
PEF	CHGA	cg00813752	4	Inverse variance weighted	-0.019	0.005	-0.019 (-0.028, -0.009)	1.10E-04	-0.005	0.323
PEF	GSDMA	cg10794714	1	Wald ratio	0.045	0.015	0.045 (0.015, 0.074)	0.003	NA	NA
PEF	FNIP2	cg05539369	1	Wald ratio	-0.062	0.020	-0.062 (-0.101, -0.024)	0.001	NA	NA
PEF	GSDMD	cg17812120	19	Inverse variance weighted	-0.008	0.002	-0.008 (-0.012, -0.003)	5.54E-04	0.002	0.269
PEF	ATP6V1E2	cg26688816	18	Inverse variance weighted	0.008	0.003	0.008 (0.003, 0.014)	0.003	-0.001	0.624
PEF	PDHB	cg26110898	16	Inverse variance weighted	0.011	0.005	0.011 (0.001, 0.021)	0.026	0.001	0.803
PEF	DDX47	cg21196265	2	Inverse variance weighted	0.031	0.017	0.031 (-0.003, 0.064)	0.073	NA	NA
PEF	IL6R	cg21262032	11	Inverse variance weighted	-0.013	0.004	-0.013 (-0.021, -0.006)	3.15E-04	-0.003	0.160
PEF	OPTN	cg02458882	1	Wald ratio	-0.037	0.012	-0.037 (-0.061, -0.013)	0.003	NA	NA
PEF	WDR35	cg01055594	2	Inverse variance weighted	0.022	0.007	0.022 (0.008, 0.036)	0.003	NA	NA
PEF	USP36	cg27578381	4	Inverse variance weighted	-0.016	0.006	-0.016 (-0.028, -0.004)	0.009	-0.005	0.362
PEF	GFAP	cg07918341	1	Wald ratio	-0.048	0.016	-0.048 (-0.080, -0.017)	0.003	NA	NA
PEF	RPS27L	cg19279045	1	Wald ratio	-0.060	0.019	-0.060 (-0.097, -0.022)	0.002	NA	NA
PEF	WDR35	cg05412990	1	Wald ratio	0.032	0.011	0.032 (0.010, 0.054)	0.004	NA	NA
PEF	FOXK2	cg21909206	1	Wald ratio	-0.050	0.017	-0.050 (-0.083, -0.017)	0.003	NA	NA
PEF	FOXK2	cg27450688	1	Wald ratio	-0.050	0.017	-0.050 (-0.083, -0.017)	0.003	NA	NA
PEF	SLC30A9	cg10652277	3	Inverse variance weighted	0.014	0.007	0.014 (0.001, 0.027)	0.032	0.021	0.338
PEF	DEF8	cg03987653	7	Inverse variance weighted	-0.017	0.005	-0.017 (-0.026, -0.007)	4.57E-04	0.000	0.913
PEF	KIF25	cg21906947	1	Wald ratio	-0.040	0.014	-0.040 (-0.067, -0.013)	0.003	NA	NA
PEF	CHMP4B	cg26347170	4	Inverse variance weighted	0.021	0.012	0.021 (-0.002, 0.044)	0.074	0.007	0.526
PEF	PLA2G3	cg21274025	3	Inverse variance weighted	0.034	0.011	0.034 (0.013, 0.054)	0.001	0.005	0.422
PEF	ING5	cg17530031	13	Inverse variance weighted	0.007	0.002	0.007 (0.002, 0.012)	0.003	0.001	0.645
PEF	FOXK1	cg09789173	5	Inverse variance weighted	-0.012	0.005	-0.012 (-0.021, -0.003)	0.009	-0.011	0.110
PEF	GSDMD	cg22312904	11	Inverse variance weighted	-0.007	0.004	-0.007 (-0.014, 0.001)	0.069	0.002	0.574
PEF	MAP3K5	cg01792203	1	Wald ratio	-0.046	0.015	-0.046 (-0.076, -0.016)	0.003	NA	NA
PEF	ATP6V1E2	cg04944393	1	Wald ratio	0.042	0.015	0.042 (0.014, 0.071)	0.004	NA	NA
PEF	XBP1	cg11188618	1	Wald ratio	-0.040	0.014	-0.040 (-0.068, -0.013)	0.004	NA	NA

PEF	ICAM1	cg24354612	1	Wald ratio	-0.038	0.013	-0.038 (-0.065, -0.012)	0.004	NA	NA
PEF	SLC30A9	cg07260532	1	Wald ratio	-0.031	0.011	-0.031 (-0.052, -0.009)	0.005	NA	NA
PEF	AP3D1	cg10746224	2	Inverse variance weighted	0.026	0.008	0.026 (0.010, 0.042)	0.001	NA	NA
PEF	SFRP2	cg23292160	1	Wald ratio	-0.052	0.018	-0.052 (-0.087, -0.018)	0.003	NA	NA
PEF	NACC2	cg13549345	1	Wald ratio	0.041	0.015	0.041 (0.013, 0.070)	0.004	NA	NA
PEF	INF2	cg22090592	4	Inverse variance weighted	-0.012	0.009	-0.012 (-0.029, 0.004)	0.150	0.004	0.698
PEF	SFRP2	cg25775322	1	Wald ratio	0.034	0.012	0.034 (0.010, 0.058)	0.005	NA	NA
PEF	FOXK1	cg00064840	3	Inverse variance weighted	-0.017	0.010	-0.017 (-0.037, 0.003)	0.088	-0.011	0.347
PEF	BNIP3	cg20216030	2	Inverse variance weighted	-0.016	0.010	-0.016 (-0.036, 0.003)	0.104	NA	NA
PEF	PRKCA	cg12467435	3	Inverse variance weighted	-0.020	0.013	-0.020 (-0.046, 0.006)	0.134	0.008	0.624
PEF	DEF8	cg04591799	4	Inverse variance weighted	-0.026	0.007	-0.026 (-0.039, -0.012)	1.52E-04	-0.001	0.759
PEF	FOXK1	cg13287553	1	Wald ratio	-0.014	0.005	-0.014 (-0.025, -0.004)	0.007	NA	NA
PEF	NR4A2	cg02964555	1	Wald ratio	0.040	0.014	0.040 (0.012, 0.067)	0.005	NA	NA
PEF	FOXK1	cg10118545	1	Wald ratio	-0.015	0.006	-0.015 (-0.026, -0.004)	0.007	NA	NA
PEF	FOXK1	cg05764847	1	Wald ratio	0.020	0.007	0.020 (0.005, 0.034)	0.007	NA	NA
PEF	DCC	cg18866015	4	Inverse variance weighted	-0.024	0.006	-0.024 (-0.036, -0.013)	2.60E-05	-0.001	0.858
PEF	HIPK2	cg14405813	6	Inverse variance weighted	-0.009	0.004	-0.009 (-0.016, -0.002)	0.012	0.003	0.384
PEF	IL6R	cg25135018	1	Wald ratio	-0.034	0.012	-0.034 (-0.058, -0.010)	0.006	NA	NA
PEF	CLEC16A	cg06150195	1	Wald ratio	0.026	0.010	0.026 (0.007, 0.045)	0.007	NA	NA
PEF	ACSF2	cg14767768	1	Wald ratio	0.047	0.016	0.047 (0.015, 0.079)	0.004	NA	NA
PEF	PPARD	cg18204017	1	Wald ratio	0.051	0.018	0.051 (0.017, 0.086)	0.004	NA	NA
PEF	SYNPO2	cg14717666	16	Inverse variance weighted	-0.008	0.002	-0.008 (-0.012, -0.003)	0.001	0.000	0.881
PEF	FGF10	cg16536718	1	Wald ratio	0.040	0.014	0.040 (0.012, 0.068)	0.005	NA	NA
PEF	SYNPO2	cg12973294	9	Inverse variance weighted	-0.013	0.003	-0.013 (-0.019, -0.006)	1.63E-04	0.000	0.936
PEF	BIRC2	cg06323957	8	Inverse variance weighted	0.008	0.005	0.008 (-0.002, 0.019)	0.112	-0.004	0.179
PEF	SIVA1	cg10285897	1	Wald ratio	0.040	0.014	0.040 (0.012, 0.069)	0.005	NA	NA
PEF	ING5	cg15141204	1	Wald ratio	0.029	0.010	0.029 (0.009, 0.050)	0.005	NA	NA
PEF	ACSF2;CHAD	cg05346527	1	Wald ratio	-0.038	0.014	-0.038 (-0.064, -0.011)	0.005	NA	NA
PEF	ARF1	cg06625004	9	Inverse variance weighted	0.011	0.003	0.011 (0.004, 0.017)	0.001	0.001	0.524
PEF	WDR35	cg20319457	1	Wald ratio	0.058	0.019	0.058 (0.019, 0.096)	0.003	NA	NA
PEF	CHAD;ACSF2	cg15880760	1	Wald ratio	-0.030	0.011	-0.030 (-0.052, -0.008)	0.007	NA	NA
PEF	BIK	cg01341487	7	Inverse variance weighted	-0.008	0.004	-0.008 (-0.015, -0.001)	0.025	0.003	0.356
PEF	PIK3R1	cg18104285	1	Wald ratio	-0.037	0.013	-0.037 (-0.063, -0.011)	0.006	NA	NA
PEF	LAPTM5	cg18221336	2	Inverse variance weighted	-0.020	0.009	-0.020 (-0.038, -0.002)	0.027	NA	NA
PEF	VPS24	cg08725083	5	Inverse variance weighted	0.013	0.004	0.013 (0.005, 0.022)	0.002	0.000	0.945
PEF	BIK	cg09263116	7	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.002)	0.017	0.004	0.329
PEF	SLC39A14	cg18042586	6	Inverse variance weighted	-0.008	0.006	-0.008 (-0.021, 0.005)	0.223	0.006	0.241
PEF	TCF7L2	cg26380291	1	Wald ratio	-0.030	0.011	-0.030 (-0.052, -0.008)	0.007	NA	NA
PEF	CD68	cg21808406	1	Wald ratio	-0.041	0.015	-0.041 (-0.069, -0.012)	0.006	NA	NA
PEF	TBC1D14	cg12864912	8	Inverse variance weighted	0.009	0.003	0.009 (0.003, 0.016)	0.003	0.003	0.312
PEF	NR4A2	cg00558219	1	Wald ratio	0.039	0.014	0.039 (0.011, 0.067)	0.006	NA	NA
PEF	CD38	cg20931972	3	Inverse variance weighted	-0.012	0.015	-0.012 (-0.042, 0.018)	0.436	0.009	0.293

PEF	PRKCA	cg04733951	2	Inverse variance weighted	0.029	0.010	0.029 (0.010, 0.048)	0.003	NA	NA
PEF	BIRC2	cg11690896	5	Inverse variance weighted	0.016	0.009	0.016 (-0.002, 0.034)	0.089	-0.006	0.140
PEF	MET	cg24627299	1	Wald ratio	0.029	0.011	0.029 (0.008, 0.051)	0.007	NA	NA
PEF	ATP6V1E2	cg15759873	1	Wald ratio	-0.050	0.018	-0.050 (-0.085, -0.016)	0.004	NA	NA
PEF	TBXAS1;HIPK2	cg26407309	1	Wald ratio	-0.031	0.012	-0.031 (-0.054, -0.009)	0.007	NA	NA
PEF	HSPA1B	cg19754746	1	Wald ratio	0.059	0.020	0.059 (0.020, 0.099)	0.004	NA	NA
PEF	FOXK1	cg15176413	3	Inverse variance weighted	0.012	0.005	0.012 (0.003, 0.021)	0.011	-0.004	0.614
PEF	INF2	cg13578465	3	Inverse variance weighted	-0.019	0.005	-0.019 (-0.029, -0.009)	2.07E-04	-0.009	0.299
PEF	FOXK1	cg20349812	3	Inverse variance weighted	0.013	0.005	0.013 (0.003, 0.023)	0.011	-0.002	0.739
PEF	PAFAH1B2	cg01368799	18	Inverse variance weighted	-0.009	0.003	-0.009 (-0.015, -0.003)	0.005	0.000	0.940
PEF	HSPA1B	cg13911590	1	Wald ratio	0.053	0.019	0.053 (0.016, 0.089)	0.004	NA	NA
PEF	ZBTB22;DAXX	cg26919618	1	Wald ratio	-0.046	0.016	-0.046 (-0.077, -0.014)	0.005	NA	NA
PEF	ST20	cg21315874	19	Inverse variance weighted	0.009	0.002	0.009 (0.004, 0.014)	2.20E-04	-0.001	0.607
PEF	INF2	cg11730703	3	Inverse variance weighted	-0.022	0.005	-0.022 (-0.033, -0.011)	5.87E-05	-0.009	0.318
PEF	FOXK1	cg26800803	2	Inverse variance weighted	0.015	0.006	0.015 (0.003, 0.027)	0.012	NA	NA
PEF	INF2	cg27286011	3	Inverse variance weighted	-0.023	0.006	-0.023 (-0.034, -0.012)	3.50E-05	-0.008	0.337
PEF	ST20	cg11839771	14	Inverse variance weighted	-0.011	0.003	-0.011 (-0.016, -0.005)	1.67E-04	0.001	0.488
PEF	BLK	cg24861686	13	Inverse variance weighted	0.022	0.005	0.022 (0.012, 0.031)	1.27E-05	0.008	0.088
PEF	FOXK1	cg05117982	3	Inverse variance weighted	0.015	0.006	0.015 (0.003, 0.027)	0.012	-0.001	0.813
PEF	TRAF1	cg21152671	7	Inverse variance weighted	0.013	0.004	0.013 (0.005, 0.021)	9.03E-04	0.001	0.815
PEF	ST20;C15orf37	cg26673396	10	Inverse variance weighted	-0.013	0.004	-0.013 (-0.020, -0.006)	3.70E-04	0.001	0.816
PEF	DIDO1	cg04226366	4	Inverse variance weighted	-0.013	0.007	-0.013 (-0.027, 0.001)	0.072	0.000	0.984
PEF	VPS24	cg06529078	2	Inverse variance weighted	0.022	0.008	0.022 (0.005, 0.039)	0.009	NA	NA
PEF	DCC	cg00399483	5	Inverse variance weighted	-0.017	0.004	-0.017 (-0.026, -0.009)	9.35E-05	-0.004	0.322
PEF	TRAF1	cg21241889	8	Inverse variance weighted	0.014	0.004	0.014 (0.007, 0.021)	1.42E-04	0.002	0.422
PEF	EYA4	cg17722675	1	Wald ratio	0.045	0.016	0.045 (0.013, 0.076)	0.005	NA	NA
PEF	BNIP3	cg21762589	1	Wald ratio	0.039	0.014	0.039 (0.011, 0.068)	0.006	NA	NA
PEF	PIP4K2C	cg05694847	3	Inverse variance weighted	-0.034	0.013	-0.034 (-0.060, -0.008)	0.011	-0.012	0.366
PEF	ST20	cg18753337	24	Inverse variance weighted	0.007	0.002	0.007 (0.003, 0.011)	1.53E-04	0.002	0.104
PEF	TBC1D14	cg26109897	4	Inverse variance weighted	0.019	0.007	0.019 (0.004, 0.033)	0.010	0.006	0.619
PEF	TBC1D14	cg00813886	1	Wald ratio	0.054	0.019	0.054 (0.017, 0.090)	0.005	NA	NA
PEF	NR4A2	cg20570611	1	Wald ratio	0.052	0.018	0.052 (0.016, 0.088)	0.005	NA	NA
PEF	DDX47	cg14463304	1	Wald ratio	0.048	0.017	0.048 (0.014, 0.082)	0.005	NA	NA
PEF	ACSF2	cg19748341	1	Wald ratio	0.043	0.016	0.043 (0.012, 0.074)	0.006	NA	NA
PEF	FEZ2	cg24860371	1	Wald ratio	-0.037	0.014	-0.037 (-0.063, -0.010)	0.007	NA	NA
PEF	FOXK1	cg14582057	2	Inverse variance weighted	0.018	0.007	0.018 (0.004, 0.033)	0.012	NA	NA
PEF	ING5	cg04122744	1	Wald ratio	0.020	0.010	0.020 (0.001, 0.039)	0.036	NA	NA
PEF	ACSF2;CHAD	cg17890928	1	Wald ratio	-0.041	0.015	-0.041 (-0.070, -0.011)	0.007	NA	NA
PEF	CDKN2D	cg08312369	1	Wald ratio	0.050	0.018	0.050 (0.015, 0.085)	0.005	NA	NA
PEF	PRKCA	cg04955246	1	Wald ratio	-0.050	0.018	-0.050 (-0.085, -0.015)	0.005	NA	NA
PEF	MAPK7	cg13832201	1	Wald ratio	-0.040	0.015	-0.040 (-0.069, -0.011)	0.007	NA	NA
PEF	TRAF1	cg14518276	4	Inverse variance weighted	0.019	0.006	0.019 (0.007, 0.031)	0.002	0.000	0.958

PEF	BCL2L10	cg03151554	4	Inverse variance weighted	-0.026	0.007	-0.026 (-0.040, -0.012)	2.06E-04	0.007	0.366
PEF	C15orf37;ST20	cg11970192	7	Inverse variance weighted	-0.015	0.004	-0.015 (-0.022, -0.007)	1.16E-04	-0.002	0.368
PEF	TBC1D14	cg16851482	4	Inverse variance weighted	-0.015	0.005	-0.015 (-0.026, -0.005)	0.005	0.001	0.908
PEF	TP73	cg05116756	2	Inverse variance weighted	-0.031	0.010	-0.031 (-0.051, -0.011)	0.003	NA	NA
PEF	NR4A2	cg27074041	1	Wald ratio	0.054	0.019	0.054 (0.017, 0.091)	0.005	NA	NA
PEF	NR4A2	cg18941818	1	Wald ratio	0.052	0.019	0.052 (0.016, 0.088)	0.005	NA	NA
PEF	BCL2L10	cg15190747	3	Inverse variance weighted	-0.029	0.008	-0.029 (-0.045, -0.013)	3.64E-04	0.011	0.496
PEF	PRKCA	cg17069533	1	Wald ratio	-0.051	0.018	-0.051 (-0.086, -0.015)	0.005	NA	NA
PEF	DCC	cg20917891	1	Wald ratio	-0.022	0.009	-0.022 (-0.039, -0.005)	0.010	NA	NA
PEF	KIT	cg18836493	1	Wald ratio	-0.017	0.007	-0.017 (-0.031, -0.004)	0.010	NA	NA
PEF	GATA4	cg13434842	1	Wald ratio	0.035	0.013	0.035 (0.009, 0.061)	0.008	NA	NA
PEF	CHMP4B	cg03864128	18	Inverse variance weighted	-0.009	0.003	-0.009 (-0.015, -0.003)	0.004	-0.001	0.664
PEF	CHMP4B	cg03355213	16	Inverse variance weighted	-0.006	0.003	-0.006 (-0.012, -0.000)	0.038	0.001	0.741
PEF	WDR35	cg22939193	1	Wald ratio	0.051	0.018	0.051 (0.015, 0.086)	0.005	NA	NA
PEF	DSTN	cg25694790	3	Inverse variance weighted	0.012	0.007	0.012 (-0.002, 0.027)	0.099	-0.008	0.326
PEF	BCL2L10	cg03929531	3	Inverse variance weighted	-0.021	0.014	-0.021 (-0.048, 0.007)	0.142	-0.047	0.430
PEF	EIF2AK4	cg22077389	12	Inverse variance weighted	-0.009	0.003	-0.009 (-0.015, -0.003)	0.003	-0.001	0.777
PEF	EIF2AK4	cg25407064	14	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.003	-0.001	0.795
PEF	EIF2AK4	cg21830797	15	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.003	0.000	0.855
PEF	NR4A2	cg13500877	1	Wald ratio	0.052	0.019	0.052 (0.015, 0.088)	0.006	NA	NA
PEF	MSX1	cg13882284	1	Wald ratio	0.045	0.016	0.045 (0.013, 0.077)	0.006	NA	NA
PEF	BIK	cg26453588	6	Inverse variance weighted	-0.008	0.004	-0.008 (-0.016, 0.000)	0.057	0.001	0.757
PEF	EIF2AK4	cg05304366	14	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.015)	0.015	-0.001	0.560
PEF	TFRC	cg03462622	6	Inverse variance weighted	-0.009	0.004	-0.009 (-0.017, -0.002)	0.016	0.004	0.258
PEF	ERCC4	cg03927470	4	Inverse variance weighted	0.010	0.005	0.010 (0.001, 0.019)	0.024	-0.002	0.574
PEF	PRKCA	cg04658038	1	Wald ratio	-0.053	0.019	-0.053 (-0.090, -0.016)	0.005	NA	NA
PEF	UACA	cg09345916	1	Wald ratio	0.051	0.019	0.051 (0.014, 0.088)	0.007	NA	NA
PEF	DCC	cg18841634	1	Wald ratio	0.026	0.010	0.026 (0.006, 0.047)	0.010	NA	NA
PEF	GFAP	cg18208742	1	Wald ratio	-0.045	0.017	-0.045 (-0.077, -0.012)	0.007	NA	NA
PEF	SFRP2	cg05050042	1	Wald ratio	0.041	0.015	0.041 (0.011, 0.072)	0.007	NA	NA
PEF	BIK	cg04042468	7	Inverse variance weighted	-0.006	0.005	-0.006 (-0.015, 0.004)	0.225	0.004	0.363
PEF	STAT3	cg06270615	15	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.001)	0.020	0.003	0.171
PEF	PTGDR	cg17929687	4	Inverse variance weighted	-0.015	0.007	-0.015 (-0.030, -0.001)	0.041	0.020	0.497
PEF	ING5	cg03979788	17	Inverse variance weighted	-0.008	0.002	-0.008 (-0.012, -0.005)	1.51E-05	-0.002	0.250
PEF	EIF2AK4	cg19538502	7	Inverse variance weighted	-0.016	0.005	-0.016 (-0.026, -0.007)	4.60E-04	-0.001	0.838
PEF	DAB2IP	cg14594187	1	Wald ratio	0.050	0.018	0.050 (0.014, 0.086)	0.006	NA	NA
PEF	GSDMA	cg08995595	1	Wald ratio	0.032	0.012	0.032 (0.008, 0.057)	0.009	NA	NA
PEF	FNIP2	cg13702235	1	Wald ratio	-0.026	0.010	-0.026 (-0.045, -0.006)	0.010	NA	NA
PEF	DAPK2	cg24729988	1	Wald ratio	-0.038	0.015	-0.038 (-0.067, -0.010)	0.008	NA	NA
PEF	PTGDR	cg24989962	4	Inverse variance weighted	-0.017	0.008	-0.017 (-0.032, -0.001)	0.032	0.016	0.487
PEF	EYA4	cg18714224	7	Inverse variance weighted	0.013	0.006	0.013 (0.002, 0.024)	0.018	-0.001	0.825
PEF	DCC	cg25602457	1	Wald ratio	-0.020	0.008	-0.020 (-0.035, -0.004)	0.012	NA	NA

PEF	SPATA2	cg09647671	2	Inverse variance weighted	-0.003	0.014	-0.003 (-0.030, 0.023)	0.813	NA	NA
PEF	TBC1D14	cg26562462	2	Inverse variance weighted	0.029	0.009	0.029 (0.011, 0.048)	0.002	NA	NA
PEF	WIPI2	cg27021327	6	Inverse variance weighted	0.010	0.005	0.010 (0.000, 0.019)	0.039	-0.005	0.237
PEF	LAPTM4A	cg17989428	1	Wald ratio	0.038	0.015	0.038 (0.009, 0.066)	0.009	NA	NA
PEF	PRKCD	cg04981430	8	Inverse variance weighted	-0.017	0.004	-0.017 (-0.025, -0.009)	1.50E-05	-0.004	0.238
PEF	DSTN	cg10573932	5	Inverse variance weighted	-0.017	0.006	-0.017 (-0.028, -0.006)	0.003	0.004	0.424
PEF	GSDMB	cg10057218	8	Inverse variance weighted	0.012	0.005	0.012 (0.001, 0.022)	0.027	0.004	0.352
PEF	IL6R	cg13549904	3	Inverse variance weighted	-0.016	0.006	-0.016 (-0.029, -0.003)	0.014	0.003	0.610
PEF	AIRE	cg18689454	1	Wald ratio	-0.039	0.015	-0.039 (-0.068, -0.010)	0.009	NA	NA
PEF	BNIP3	cg23606392	1	Wald ratio	0.049	0.018	0.049 (0.013, 0.085)	0.008	NA	NA
PEF	MTMR9	cg06240162	1	Wald ratio	-0.044	0.016	-0.044 (-0.076, -0.012)	0.007	NA	NA
PEF	AIRE	cg16501323	2	Inverse variance weighted	-0.020	0.024	-0.020 (-0.066, 0.026)	0.392	NA	NA
PEF	BIK	cg10513709	3	Inverse variance weighted	-0.014	0.010	-0.014 (-0.033, 0.004)	0.134	0.010	0.333
PEF	PRKCD	cg03200095	4	Inverse variance weighted	0.017	0.009	0.017 (-0.001, 0.035)	0.059	0.000	0.976
PEF	DCC	cg25818763	1	Wald ratio	0.037	0.014	0.037 (0.009, 0.066)	0.010	NA	NA
PEF	TRIM65	cg26780705	2	Inverse variance weighted	-0.017	0.021	-0.017 (-0.059, 0.025)	0.433	NA	NA
PEF	DSTN	cg22276571	2	Inverse variance weighted	-0.013	0.025	-0.013 (-0.061, 0.035)	0.597	NA	NA
PEF	RAF1	cg12173506	1	Wald ratio	0.053	0.019	0.053 (0.015, 0.091)	0.006	NA	NA
PEF	AIRE	cg16717549	2	Inverse variance weighted	-0.012	0.035	-0.012 (-0.080, 0.056)	0.722	NA	NA
PEF	C15orf37;ST20	cg27236825	1	Wald ratio	0.027	0.011	0.027 (0.006, 0.049)	0.013	NA	NA
PEF	FLNB	cg17338821	12	Inverse variance weighted	-0.015	0.006	-0.015 (-0.027, -0.004)	0.010	-0.008	0.182
PEF	AIRE	cg09510531	3	Inverse variance weighted	-0.018	0.015	-0.018 (-0.047, 0.012)	0.235	0.011	0.310
PEF	AIRE	cg11923631	3	Inverse variance weighted	-0.012	0.020	-0.012 (-0.052, 0.028)	0.552	0.008	0.759
PEF	TBXAS1;HIPK2	cg00445997	1	Wald ratio	-0.030	0.012	-0.030 (-0.053, -0.007)	0.011	NA	NA
PEF	EIF2AK4	cg04467278	3	Inverse variance weighted	-0.014	0.009	-0.014 (-0.031, 0.003)	0.116	0.013	0.400
PEF	AIRE	cg27251412	1	Wald ratio	-0.042	0.016	-0.042 (-0.074, -0.011)	0.009	NA	NA
PEF	HIPK2	cg01581050	1	Wald ratio	0.037	0.014	0.037 (0.009, 0.064)	0.010	NA	NA
PEF	SFRP2	cg01821854	2	Inverse variance weighted	-0.025	0.018	-0.025 (-0.061, 0.011)	0.176	NA	NA
PEF	HIPK2	cg11032313	1	Wald ratio	-0.021	0.008	-0.021 (-0.038, -0.004)	0.013	NA	NA
PEF	SUMF1	cg24840601	1	Wald ratio	0.033	0.013	0.033 (0.008, 0.059)	0.011	NA	NA
PEF	BOK	cg24828208	1	Wald ratio	0.040	0.015	0.040 (0.010, 0.070)	0.010	NA	NA
PEF	HIPK2	cg03520802	2	Inverse variance weighted	0.017	0.007	0.017 (0.003, 0.031)	0.018	NA	NA
PEF	PPP3CC	cg13180375	1	Wald ratio	-0.020	0.008	-0.020 (-0.036, -0.004)	0.014	NA	NA
PEF	GATA4	cg23972785	10	Inverse variance weighted	0.010	0.003	0.010 (0.004, 0.016)	0.002	-0.010	0.065
PEF	LIPA	cg12555086	15	Inverse variance weighted	-0.008	0.002	-0.008 (-0.012, -0.004)	4.49E-05	-0.002	0.162
PEF	CFLAR	cg25051278	4	Inverse variance weighted	-0.018	0.006	-0.018 (-0.029, -0.006)	0.004	0.000	0.981
PEF	STAT3	cg17833746	1	Wald ratio	0.030	0.012	0.030 (0.007, 0.054)	0.012	NA	NA
PEF	CSNK2A1	cg07511836	2	Inverse variance weighted	-0.012	0.005	-0.012 (-0.023, -0.002)	0.021	NA	NA
PEF	PRRT1;PPT2	cg21037008	2	Inverse variance weighted	0.051	0.031	0.051 (-0.009, 0.111)	0.097	NA	NA
PEF	PLK3	cg17233819	5	Inverse variance weighted	-0.015	0.006	-0.015 (-0.027, -0.003)	0.014	0.006	0.258
PEF	GNAI3	cg08644463	8	Inverse variance weighted	0.011	0.003	0.011 (0.004, 0.017)	0.001	0.000	0.995
PEF	SLC39A14	cg23563866	1	Wald ratio	0.029	0.012	0.029 (0.006, 0.051)	0.012	NA	NA

PEF	AIRE	cg08089567	1	Wald ratio	-0.047	0.018	-0.047 (-0.082, -0.012)	0.009	NA	NA
PEF	BIK	cg08954856	2	Inverse variance weighted	-0.020	0.018	-0.020 (-0.055, 0.016)	0.282	NA	NA
PEF	AP3D1	cg27089789	2	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.019)	0.007	NA	NA
PEF	PAFAH1B2	cg10398005	1	Wald ratio	0.038	0.015	0.038 (0.009, 0.067)	0.011	NA	NA
PEF	PTGDR	cg18242103	3	Inverse variance weighted	-0.013	0.009	-0.013 (-0.031, 0.004)	0.122	0.000	0.995
PEF	AIRE	cg17356252	1	Wald ratio	-0.048	0.018	-0.048 (-0.084, -0.012)	0.009	NA	NA
PEF	STAT3	cg05487134	2	Inverse variance weighted	0.027	0.008	0.027 (0.011, 0.042)	0.001	NA	NA
PEF	FGFR3	cg03874978	1	Wald ratio	-0.047	0.018	-0.047 (-0.082, -0.012)	0.009	NA	NA
PEF	PTGDR	cg02191312	1	Wald ratio	-0.044	0.017	-0.044 (-0.078, -0.010)	0.010	NA	NA
PEF	FEZ2	cg04352803	1	Wald ratio	-0.034	0.014	-0.034 (-0.061, -0.007)	0.012	NA	NA
PEF	FLNB	cg23730027	6	Inverse variance weighted	-0.021	0.012	-0.021 (-0.045, 0.003)	0.082	-0.005	0.615
PEF	STAT3	cg24312520	1	Wald ratio	0.035	0.014	0.035 (0.008, 0.063)	0.011	NA	NA
PEF	FOXK1	cg06287775	1	Wald ratio	-0.030	0.012	-0.030 (-0.054, -0.006)	0.014	NA	NA
PEF	SLC39A14	cg27467876	14	Inverse variance weighted	0.003	0.003	0.003 (-0.003, 0.008)	0.325	-0.004	0.330
PEF	BIK	cg20550677	2	Inverse variance weighted	-0.018	0.020	-0.018 (-0.058, 0.021)	0.360	NA	NA
PEF	GSDMD	cg22012530	13	Inverse variance weighted	-0.008	0.003	-0.008 (-0.013, -0.003)	0.003	0.000	0.840
PEF	SLC39A14	cg23129673	11	Inverse variance weighted	-0.005	0.004	-0.005 (-0.013, 0.004)	0.270	0.004	0.176
PEF	THBS1	cg05886626	7	Inverse variance weighted	-0.011	0.005	-0.011 (-0.020, -0.002)	0.017	0.004	0.233
PEF	SLC39A14	cg13512537	8	Inverse variance weighted	0.006	0.005	0.006 (-0.004, 0.015)	0.236	-0.004	0.271
PEF	PRRT1;PPT2	cg02429905	1	Wald ratio	0.037	0.015	0.037 (0.008, 0.066)	0.012	NA	NA
PEF	IGF2R	cg12754982	5	Inverse variance weighted	0.020	0.005	0.020 (0.011, 0.030)	2.93E-05	0.001	0.835
PEF	STAT3	cg24718015	1	Wald ratio	0.030	0.012	0.030 (0.006, 0.055)	0.014	NA	NA
PEF	CSNK2A1	cg26292976	1	Wald ratio	-0.026	0.011	-0.026 (-0.047, -0.005)	0.015	NA	NA
PEF	E2F2	cg22040403	19	Inverse variance weighted	-0.007	0.002	-0.007 (-0.012, -0.002)	0.005	0.002	0.382
PEF	PRKCA	cg25649039	1	Wald ratio	0.053	0.020	0.053 (0.013, 0.093)	0.010	NA	NA
PEF	C9orf72	cg13958452	3	Inverse variance weighted	0.012	0.005	0.012 (0.002, 0.022)	0.019	-0.001	0.865
PEF	BIRC2	cg11114757	6	Inverse variance weighted	-0.009	0.008	-0.009 (-0.024, 0.006)	0.241	0.006	0.328
PEF	HIPK2	cg03224163	1	Wald ratio	-0.044	0.017	-0.044 (-0.078, -0.010)	0.011	NA	NA
PEF	IRF2	cg04718987	2	Inverse variance weighted	-0.036	0.013	-0.036 (-0.060, -0.011)	0.004	NA	NA
PEF	AP3D1	cg22598241	3	Inverse variance weighted	0.011	0.004	0.011 (0.003, 0.018)	0.007	-0.002	0.658
PEF	DSTN	cg17499719	1	Wald ratio	0.048	0.019	0.048 (0.011, 0.086)	0.011	NA	NA
PEF	MTMR9	cg12981288	1	Wald ratio	-0.032	0.013	-0.032 (-0.058, -0.007)	0.013	NA	NA
PEF	DSTN	cg14158573	1	Wald ratio	-0.048	0.019	-0.048 (-0.086, -0.011)	0.011	NA	NA
PEF	RET	cg02045259	5	Inverse variance weighted	-0.016	0.005	-0.016 (-0.026, -0.005)	0.003	0.003	0.444
PEF	HIPK2	cg03369382	1	Wald ratio	-0.050	0.019	-0.050 (-0.088, -0.012)	0.010	NA	NA
PEF	JMY	cg05350396	6	Inverse variance weighted	-0.010	0.008	-0.010 (-0.025, 0.005)	0.175	-0.003	0.544
PEF	TRIM8	cg06662132	1	Wald ratio	0.037	0.015	0.037 (0.007, 0.066)	0.015	NA	NA
PEF	CYP1B1	cg12802310	3	Inverse variance weighted	0.012	0.013	0.012 (-0.014, 0.038)	0.382	-0.005	0.700
PEF	DEF8	cg03721293	6	Inverse variance weighted	0.016	0.005	0.016 (0.007, 0.025)	8.87E-04	0.001	0.785
PEF	FEZ2	cg01109574	4	Inverse variance weighted	-0.020	0.007	-0.020 (-0.034, -0.006)	0.004	0.005	0.496
PEF	IL10	cg17067005	1	Wald ratio	-0.032	0.013	-0.032 (-0.058, -0.006)	0.016	NA	NA
PEF	EXOC1	cg20618651	1	Wald ratio	-0.018	0.008	-0.018 (-0.034, -0.003)	0.020	NA	NA

PEF	AP1M2	cg23652172	1	Wald ratio	-0.046	0.018	-0.046 (-0.082, -0.010)	0.013	NA	NA
PEF	DEF8	cg04752812	4	Inverse variance weighted	0.020	0.007	0.020 (0.006, 0.033)	0.004	0.000	0.932
PEF	RPTOR	cg09592546	11	Inverse variance weighted	0.005	0.002	0.005 (0.000, 0.009)	0.030	-0.002	0.390
PEF	HYAL2	cg12150256	1	Wald ratio	0.028	0.012	0.028 (0.005, 0.052)	0.018	NA	NA
PEF	HIPK2	cg22164250	2	Inverse variance weighted	0.021	0.008	0.021 (0.006, 0.036)	0.005	NA	NA
PEF	ERCC4	cg24091698	1	Wald ratio	0.034	0.014	0.034 (0.006, 0.062)	0.017	NA	NA
PEF	GFRAL	cg11823729	2	Inverse variance weighted	0.016	0.007	0.016 (0.004, 0.029)	0.012	NA	NA
PEF	AP3B2	cg25584930	1	Wald ratio	0.030	0.013	0.030 (0.005, 0.055)	0.018	NA	NA
PEF	LIPA	cg20592345	2	Inverse variance weighted	0.013	0.007	0.013 (0.000, 0.026)	0.049	NA	NA
PEF	SFRP1	cg14824386	1	Wald ratio	-0.037	0.015	-0.037 (-0.068, -0.007)	0.015	NA	NA
PEF	ORMDL3	cg12655416	11	Inverse variance weighted	0.009	0.006	0.009 (-0.002, 0.020)	0.118	0.003	0.528
PEF	LAPTM5	cg10709350	6	Inverse variance weighted	-0.007	0.003	-0.007 (-0.013, -0.002)	0.009	-0.001	0.561
PEF	AP3B2	cg27279991	2	Inverse variance weighted	-0.031	0.010	-0.031 (-0.050, -0.012)	0.002	NA	NA
PEF	DDX5	cg08350119	1	Wald ratio	0.021	0.009	0.021 (0.003, 0.039)	0.020	NA	NA
PEF	CYP1B1	cg05062676	3	Inverse variance weighted	0.007	0.015	0.007 (-0.023, 0.036)	0.667	-0.011	0.442
PEF	TNFRSF1B	cg13471521	3	Inverse variance weighted	0.006	0.010	0.006 (-0.013, 0.025)	0.541	-0.017	0.645
PEF	SCOC	cg02182440	1	Wald ratio	-0.041	0.017	-0.041 (-0.074, -0.008)	0.015	NA	NA
PEF	PIAS4	cg13573375	8	Inverse variance weighted	0.003	0.002	0.003 (-0.001, 0.007)	0.173	-0.002	0.475
PEF	IGF2R	cg18189591	2	Inverse variance weighted	0.021	0.015	0.021 (-0.009, 0.051)	0.176	NA	NA
PEF	KIF25	cg16038269	1	Wald ratio	-0.037	0.015	-0.037 (-0.067, -0.007)	0.016	NA	NA
PEF	AP3B2	cg20592391	2	Inverse variance weighted	0.031	0.011	0.031 (0.009, 0.053)	0.006	NA	NA
PEF	FLNB	cg07624888	6	Inverse variance weighted	0.015	0.006	0.015 (0.003, 0.026)	0.011	-0.002	0.733
PEF	IRF1	cg17394978	14	Inverse variance weighted	-0.007	0.004	-0.007 (-0.016, 0.001)	0.098	-0.001	0.734
PEF	PTGDR	cg18369034	9	Inverse variance weighted	0.006	0.004	0.006 (-0.001, 0.014)	0.086	-0.004	0.097
PEF	CASP9	cg14078231	6	Inverse variance weighted	0.012	0.004	0.012 (0.004, 0.020)	0.004	0.005	0.189
PEF	TRPM7	cg11811464	1	Wald ratio	-0.045	0.019	-0.045 (-0.082, -0.008)	0.017	NA	NA
PEF	GFRAL	cg23978358	1	Wald ratio	0.025	0.011	0.025 (0.004, 0.047)	0.021	NA	NA
PEF	PPP1CA;TBC1D10C	cg09190408	2	Inverse variance weighted	0.015	0.007	0.015 (0.001, 0.029)	0.037	NA	NA
PEF	DCC	cg21623566	1	Wald ratio	-0.043	0.018	-0.043 (-0.078, -0.008)	0.016	NA	NA
PEF	WDR41	cg26820915	12	Inverse variance weighted	-0.004	0.002	-0.004 (-0.008, 0.001)	0.082	-0.001	0.681
PEF	USP10	cg05298510	3	Inverse variance weighted	0.011	0.009	0.011 (-0.008, 0.029)	0.249	0.008	0.503
PEF	PLEKHM2	cg09873284	1	Wald ratio	-0.036	0.015	-0.036 (-0.066, -0.006)	0.020	NA	NA
PEF	HIPK2	cg24540732	1	Wald ratio	0.021	0.009	0.021 (0.003, 0.038)	0.023	NA	NA
PEF	TP73	cg17919477	4	Inverse variance weighted	0.007	0.007	0.007 (-0.007, 0.021)	0.338	-0.008	0.288
PEF	AP3B2	cg21669441	1	Wald ratio	-0.036	0.015	-0.036 (-0.066, -0.006)	0.019	NA	NA
PEF	GSDMD	cg20583945	24	Inverse variance weighted	0.003	0.002	0.003 (-0.001, 0.007)	0.132	0.001	0.696
PEF	CASP9	cg05660106	16	Inverse variance weighted	0.003	0.002	0.003 (-0.000, 0.007)	0.061	0.000	0.871
PEF	RAB34	cg05668853	2	Inverse variance weighted	-0.027	0.011	-0.027 (-0.048, -0.005)	0.014	NA	NA
PEF	GSDMD	cg09317036	13	Inverse variance weighted	0.007	0.002	0.007 (0.002, 0.012)	0.007	0.000	0.795
PEF	GSDMD	cg22995724	17	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.000)	0.040	0.001	0.639
PEF	TBC1D14	cg04254028	1	Wald ratio	0.044	0.018	0.044 (0.008, 0.080)	0.016	NA	NA
PEF	GSDMD	cg03367493	16	Inverse variance weighted	-0.005	0.003	-0.005 (-0.010, -0.000)	0.042	0.000	0.815

PEF	FEZ2	cg09467607	20	Inverse variance weighted	-0.005	0.002	-0.005 (-0.010, -0.000)	0.032	0.001	0.518
PEF	SLC39A14	cg14348540	2	Inverse variance weighted	0.020	0.007	0.020 (0.006, 0.033)	0.004	NA	NA
PEF	SLC39A14	cg01754958	1	Wald ratio	-0.043	0.018	-0.043 (-0.077, -0.008)	0.015	NA	NA
PEF	AVP	cg25673357	4	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.013)	0.023	-0.002	0.565
PEF	HYAL1	cg04380576	1	Wald ratio	-0.033	0.014	-0.033 (-0.060, -0.006)	0.018	NA	NA
PEF	NANOS3	cg09212407	1	Wald ratio	0.015	0.007	0.015 (0.002, 0.029)	0.026	NA	NA
PEF	LAPTM4A	cg11245806	7	Inverse variance weighted	0.012	0.007	0.012 (-0.002, 0.025)	0.100	0.002	0.721
PEF	WDR41	cg02017109	2	Inverse variance weighted	-0.004	0.010	-0.004 (-0.022, 0.015)	0.700	NA	NA
PEF	AP3B2	cg09784977	2	Inverse variance weighted	-0.007	0.030	-0.007 (-0.066, 0.052)	0.817	NA	NA
PEF	MSH6	cg04781916	3	Inverse variance weighted	0.018	0.006	0.018 (0.007, 0.029)	0.001	0.004	0.449
PEF	CRADD	cg09631880	3	Inverse variance weighted	-0.015	0.008	-0.015 (-0.032, 0.001)	0.069	-0.001	0.956
PEF	FER	cg16174681	2	Inverse variance weighted	0.018	0.008	0.018 (0.003, 0.033)	0.021	NA	NA
PEF	LGALS8	cg06118122	2	Inverse variance weighted	-0.021	0.016	-0.021 (-0.053, 0.011)	0.192	NA	NA
PEF	NANOS3	cg00863306	2	Inverse variance weighted	0.019	0.008	0.019 (0.003, 0.034)	0.017	NA	NA
PEF	GPSM1	cg14350257	1	Wald ratio	0.027	0.012	0.027 (0.004, 0.051)	0.023	NA	NA
PEF	BIK	cg13934236	2	Inverse variance weighted	-0.024	0.011	-0.024 (-0.046, -0.003)	0.023	NA	NA
PEF	LIPT1;TSGA10	cg06240854	1	Wald ratio	-0.035	0.015	-0.035 (-0.064, -0.005)	0.021	NA	NA
PEF	RPTOR	cg13311292	1	Wald ratio	0.037	0.016	0.037 (0.005, 0.068)	0.022	NA	NA
PEF	IRF1	cg13907973	11	Inverse variance weighted	-0.010	0.006	-0.010 (-0.022, 0.003)	0.120	-0.004	0.507
PEF	AVP	cg02187522	4	Inverse variance weighted	-0.012	0.006	-0.012 (-0.024, -0.001)	0.031	-0.005	0.352
PEF	LARP1	cg06912665	1	Wald ratio	-0.023	0.010	-0.023 (-0.044, -0.003)	0.025	NA	NA
PEF	ATP6V0D1	cg06120000	1	Wald ratio	0.037	0.016	0.037 (0.006, 0.069)	0.021	NA	NA
PEF	ORMDL3	cg22144450	9	Inverse variance weighted	0.015	0.005	0.015 (0.005, 0.024)	0.002	0.003	0.407
PEF	PIK3R2	cg11594160	10	Inverse variance weighted	0.009	0.002	0.009 (0.004, 0.014)	2.52E-04	0.001	0.448
PEF	AVP	cg05136169	2	Inverse variance weighted	-0.012	0.005	-0.012 (-0.023, -0.002)	0.024	NA	NA
PEF	WDR20;HSP90AA1	cg18412984	2	Inverse variance weighted	-0.020	0.008	-0.020 (-0.036, -0.004)	0.016	NA	NA
PEF	GGCT	cg12773030	1	Wald ratio	-0.017	0.016	-0.017 (-0.049, 0.014)	0.283	NA	NA
PEF	PPT2	cg06902929	4	Inverse variance weighted	0.020	0.025	0.020 (-0.029, 0.070)	0.423	-0.010	0.539
PEF	KIF25	cg03662475	1	Wald ratio	-0.039	0.017	-0.039 (-0.072, -0.006)	0.020	NA	NA
PEF	FOXK2	cg14587273	5	Inverse variance weighted	-0.013	0.004	-0.013 (-0.021, -0.005)	0.001	-0.003	0.223
PEF	NANOS3	cg22075918	1	Wald ratio	0.016	0.007	0.016 (0.002, 0.030)	0.028	NA	NA
PEF	HYAL2	cg12976582	2	Inverse variance weighted	0.018	0.007	0.018 (0.005, 0.031)	0.009	NA	NA
PEF	DBH	cg25020204	3	Inverse variance weighted	0.010	0.010	0.010 (-0.009, 0.029)	0.300	-0.009	0.314
PEF	PARP1	cg02088626	4	Inverse variance weighted	0.016	0.006	0.016 (0.004, 0.029)	0.011	-0.001	0.858
PEF	SIAH1	cg04939900	1	Wald ratio	-0.031	0.014	-0.031 (-0.057, -0.004)	0.024	NA	NA
PEF	P2RX7	cg10901569	4	Inverse variance weighted	-0.013	0.007	-0.013 (-0.026, -0.000)	0.044	0.004	0.422
PEF	WIPI2	cg23122899	3	Inverse variance weighted	0.016	0.011	0.016 (-0.005, 0.037)	0.134	-0.008	0.506
PEF	FER	cg11403831	1	Wald ratio	-0.028	0.012	-0.028 (-0.052, -0.004)	0.025	NA	NA
PEF	HYAL2	cg13341668	2	Inverse variance weighted	0.020	0.008	0.020 (0.005, 0.034)	0.010	NA	NA
PEF	EIF4G1	cg05272594	1	Wald ratio	0.022	0.010	0.022 (0.003, 0.041)	0.027	NA	NA
PEF	WDR41	cg14666655	1	Wald ratio	-0.022	0.019	-0.022 (-0.060, 0.016)	0.257	NA	NA
PEF	C15orf37;ST20	cg01351869	1	Wald ratio	-0.038	0.016	-0.038 (-0.070, -0.005)	0.022	NA	NA

PEF	GSDMD	cg06553843	9	Inverse variance weighted	-0.010	0.003	-0.010 (-0.016, -0.003)	0.004	0.000	0.863
PEF	HYOU1	cg20396526	5	Inverse variance weighted	0.017	0.006	0.017 (0.005, 0.029)	0.006	-0.003	0.420
PEF	IL6R	cg09257526	1	Wald ratio	-0.035	0.015	-0.035 (-0.064, -0.005)	0.023	NA	NA
PEF	MSH6	cg05039065	1	Wald ratio	-0.027	0.012	-0.027 (-0.051, -0.003)	0.026	NA	NA
PEF	FTH1	cg24803614	5	Inverse variance weighted	-0.006	0.006	-0.006 (-0.019, 0.006)	0.340	0.005	0.301
PEF	WWOX	cg10466626	2	Inverse variance weighted	-0.005	0.021	-0.005 (-0.047, 0.037)	0.811	NA	NA
PEF	ARSB	cg15712777	3	Inverse variance weighted	0.007	0.016	0.007 (-0.025, 0.039)	0.684	-0.012	0.231
PEF	IQGAP1	cg22735190	3	Inverse variance weighted	-0.016	0.007	-0.016 (-0.030, -0.002)	0.024	0.005	0.622
PEF	NDUFA13	cg08815677	2	Inverse variance weighted	-0.018	0.008	-0.018 (-0.035, -0.002)	0.024	NA	NA
PEF	FTH1	cg01209023	2	Inverse variance weighted	-0.007	0.017	-0.007 (-0.040, 0.027)	0.704	NA	NA
PEF	IRF1	cg21138405	20	Inverse variance weighted	-0.004	0.002	-0.004 (-0.009, -0.000)	0.035	0.001	0.641
PEF	FTH1	cg02315732	2	Inverse variance weighted	-0.022	0.007	-0.022 (-0.036, -0.007)	0.004	NA	NA
PEF	LGALS8	cg01809927	9	Inverse variance weighted	0.008	0.002	0.008 (0.003, 0.013)	0.001	0.001	0.763
PEF	ITPR1	cg11584376	5	Inverse variance weighted	-0.010	0.007	-0.010 (-0.024, 0.005)	0.189	0.001	0.895
PEF	TGFB2	cg07810039	1	Wald ratio	0.031	0.013	0.031 (0.005, 0.057)	0.021	NA	NA
PEF	VPS4A	cg26468152	1	Wald ratio	0.031	0.014	0.031 (0.004, 0.058)	0.024	NA	NA
PEF	IL4R	cg26937798	4	Inverse variance weighted	0.001	0.009	0.001 (-0.016, 0.018)	0.889	-0.016	0.367
PEF	NANOS3	cg03346733	2	Inverse variance weighted	0.019	0.008	0.019 (0.004, 0.033)	0.015	NA	NA
PEF	GPSM1	cg14271150	2	Inverse variance weighted	0.036	0.012	0.036 (0.012, 0.060)	0.003	NA	NA
PEF	GNAI2	cg17641710	1	Wald ratio	0.028	0.013	0.028 (0.003, 0.053)	0.027	NA	NA
PEF	CBL	cg22414151	1	Wald ratio	-0.017	0.008	-0.017 (-0.032, -0.002)	0.031	NA	NA
PEF	CD44	cg16344511	7	Inverse variance weighted	-0.017	0.005	-0.017 (-0.026, -0.008)	1.71E-04	-0.002	0.522
PEF	EPHA2	cg26371327	3	Inverse variance weighted	0.002	0.019	0.002 (-0.036, 0.039)	0.936	-0.011	0.736
PEF	STAT5B	cg19465320	2	Inverse variance weighted	0.023	0.010	0.023 (0.004, 0.041)	0.018	NA	NA
PEF	EPHA2	cg27582323	3	Inverse variance weighted	0.000	0.021	-0.000 (-0.042, 0.041)	0.984	0.004	0.944
PEF	SFN	cg14825555	1	Wald ratio	0.029	0.013	0.029 (0.003, 0.055)	0.032	NA	NA
PEF	TCIRG1	cg18456140	2	Inverse variance weighted	-0.012	0.005	-0.012 (-0.022, -0.001)	0.032	NA	NA
PEF	NLRC4	cg14625450	2	Inverse variance weighted	0.008	0.023	0.008 (-0.036, 0.053)	0.711	NA	NA
PEF	ALOX12	cg20216752	3	Inverse variance weighted	0.008	0.012	0.008 (-0.015, 0.032)	0.489	0.000	0.984
PEF	AP3B2	cg18253757	2	Inverse variance weighted	0.033	0.013	0.033 (0.007, 0.059)	0.012	NA	NA
PEF	PPT2;PRRT1	cg01111041	1	Wald ratio	-0.039	0.017	-0.039 (-0.073, -0.005)	0.024	NA	NA
PEF	PPP1CA	cg12939085	3	Inverse variance weighted	0.006	0.013	0.006 (-0.020, 0.033)	0.627	-0.011	0.518
PEF	MSH6	cg16595246	1	Wald ratio	-0.034	0.015	-0.034 (-0.064, -0.004)	0.026	NA	NA
PEF	RAB7A	cg19205850	6	Inverse variance weighted	0.011	0.006	0.011 (-0.000, 0.022)	0.051	0.000	0.947
PEF	PRKD1	cg15490801	2	Inverse variance weighted	-0.016	0.021	-0.016 (-0.056, 0.025)	0.443	NA	NA
PEF	NANOS3	cg08482080	1	Wald ratio	-0.022	0.010	-0.022 (-0.042, -0.002)	0.030	NA	NA
PEF	FEZ2	cg11324054	2	Inverse variance weighted	-0.011	0.021	-0.011 (-0.053, 0.030)	0.595	NA	NA
PEF	EYA4	cg25075347	15	Inverse variance weighted	-0.007	0.003	-0.007 (-0.013, -0.001)	0.028	-0.001	0.769
PEF	TFDP1	cg16637188	1	Wald ratio	-0.027	0.014	-0.027 (-0.055, -0.000)	0.049	NA	NA
PEF	FEZ1	cg18436735	4	Inverse variance weighted	0.015	0.005	0.015 (0.004, 0.025)	0.007	0.003	0.524
PEF	SIAH1	cg06521835	16	Inverse variance weighted	-0.005	0.002	-0.005 (-0.009, -0.001)	0.008	0.000	0.867
PEF	FHIT	cg21541638	2	Inverse variance weighted	-0.024	0.011	-0.024 (-0.045, -0.004)	0.021	NA	NA

PEF	BCL2L12	cg16618260	1	Wald ratio	0.044	0.019	0.044 (0.006, 0.082)	0.023	NA	NA
PEF	NOS3	cg00700487	2	Inverse variance weighted	0.014	0.006	0.014 (0.001, 0.026)	0.031	NA	NA
PEF	ING5	cg03108703	2	Inverse variance weighted	-0.010	0.007	-0.010 (-0.024, 0.003)	0.140	NA	NA
PEF	IRF1	cg00255919	24	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.002)	0.005	0.002	0.378
PEF	PRKAG2	cg12978800	3	Inverse variance weighted	0.010	0.004	0.010 (0.001, 0.018)	0.026	-0.002	0.793
PEF	EYA4	cg20422212	1	Wald ratio	0.042	0.018	0.042 (0.006, 0.078)	0.022	NA	NA
PEF	TFDP1	cg25945004	1	Wald ratio	-0.019	0.009	-0.019 (-0.037, -0.002)	0.032	NA	NA
PEF	FHIT	cg08195983	2	Inverse variance weighted	-0.026	0.010	-0.026 (-0.046, -0.007)	0.009	NA	NA
PEF	MSX1	cg24840099	2	Inverse variance weighted	0.020	0.017	0.020 (-0.014, 0.054)	0.249	NA	NA
PEF	ATP6V1C2	cg21879157	1	Wald ratio	-0.033	0.015	-0.033 (-0.062, -0.004)	0.028	NA	NA
PEF	GSDMB	cg27435903	3	Inverse variance weighted	-0.017	0.010	-0.017 (-0.036, 0.002)	0.086	-0.010	0.510
PEF	USP10	cg07647771	11	Inverse variance weighted	0.004	0.002	0.004 (-0.000, 0.008)	0.059	-0.002	0.259
PEF	IRF1	cg25410123	1	Wald ratio	-0.034	0.015	-0.034 (-0.064, -0.004)	0.028	NA	NA
PEF	EPHA2	cg03258665	3	Inverse variance weighted	0.001	0.020	0.001 (-0.039, 0.041)	0.976	-0.005	0.914
PEF	FOXK2	cg20710824	4	Inverse variance weighted	0.007	0.007	0.007 (-0.006, 0.021)	0.288	-0.005	0.624
PEF	STAT5A	cg05117208	2	Inverse variance weighted	-0.017	0.007	-0.017 (-0.030, -0.004)	0.011	NA	NA
PEF	MAP2K5	cg25642180	1	Wald ratio	0.041	0.018	0.041 (0.005, 0.076)	0.025	NA	NA
PEF	EIF2AK2	cg17326313	4	Inverse variance weighted	-0.021	0.009	-0.021 (-0.039, -0.002)	0.028	0.002	0.808
PEF	STAT5A	cg03001305	1	Wald ratio	0.027	0.012	0.027 (0.002, 0.051)	0.032	NA	NA
PEF	CAV1	cg01971483	1	Wald ratio	0.017	0.008	0.017 (0.001, 0.033)	0.035	NA	NA
PEF	FOXK2	cg10460657	2	Inverse variance weighted	0.013	0.010	0.013 (-0.006, 0.032)	0.184	NA	NA
PEF	ARSB	cg10864794	7	Inverse variance weighted	-0.008	0.005	-0.008 (-0.016, 0.001)	0.094	0.003	0.426
PEF	CYP1B1	cg11751707	1	Wald ratio	-0.033	0.015	-0.033 (-0.062, -0.003)	0.029	NA	NA
PEF	STAT5B	cg18810026	1	Wald ratio	-0.018	0.009	-0.018 (-0.035, -0.001)	0.035	NA	NA
PEF	GUSB	cg11987759	18	Inverse variance weighted	0.006	0.002	0.006 (0.001, 0.011)	0.014	-0.005	0.406
PEF	RAB7A	cg26867765	1	Wald ratio	0.021	0.010	0.021 (0.002, 0.040)	0.034	NA	NA
PEF	HSPA1B	cg19159162	1	Wald ratio	0.041	0.018	0.041 (0.005, 0.076)	0.027	NA	NA
PEF	STAT5A	cg06357561	1	Wald ratio	0.028	0.013	0.028 (0.002, 0.054)	0.032	NA	NA
PEF	WNT4	cg10606730	1	Wald ratio	-0.023	0.011	-0.023 (-0.045, -0.002)	0.034	NA	NA
PEF	STAT5A	cg20388732	1	Wald ratio	-0.021	0.010	-0.021 (-0.040, -0.001)	0.035	NA	NA
PEF	FGR	cg08885657	1	Wald ratio	0.014	0.006	0.014 (0.001, 0.026)	0.037	NA	NA
PEF	SLC39A14	cg12081754	14	Inverse variance weighted	-0.003	0.003	-0.003 (-0.008, 0.002)	0.260	0.003	0.236
PEF	OPTN	cg06116488	1	Wald ratio	0.040	0.018	0.040 (0.004, 0.076)	0.027	NA	NA
PEF	MADD	cg23844623	2	Inverse variance weighted	0.016	0.007	0.016 (0.002, 0.030)	0.023	NA	NA
PEF	MSH6	cg18222961	1	Wald ratio	-0.026	0.012	-0.026 (-0.050, -0.002)	0.034	NA	NA
PEF	KDM1A	cg22683154	1	Wald ratio	-0.043	0.019	-0.043 (-0.081, -0.005)	0.026	NA	NA
PEF	WDR8	cg26354191	5	Inverse variance weighted	-0.007	0.003	-0.007 (-0.013, -0.002)	0.012	-0.001	0.747
PEF	EIF4G1	cg06398251	1	Wald ratio	0.039	0.018	0.039 (0.005, 0.074)	0.027	NA	NA
PEF	WDR8	cg25616043	4	Inverse variance weighted	-0.011	0.004	-0.011 (-0.020, -0.002)	0.015	0.003	0.566
PEF	MYH10	cg22897522	5	Inverse variance weighted	-0.008	0.004	-0.008 (-0.015, -0.001)	0.020	0.001	0.606
PEF	CD3E	cg18085869	2	Inverse variance weighted	0.029	0.011	0.029 (0.007, 0.051)	0.009	NA	NA
PEF	TPCN2	cg23247191	1	Wald ratio	0.044	0.020	0.044 (0.005, 0.083)	0.027	NA	NA

PEF	PERP	cg08197797	1	Wald ratio	0.023	0.011	0.023 (0.002, 0.045)	0.035	NA	NA
PEF	SLC11A2	cg22789605	2	Inverse variance weighted	-0.010	0.005	-0.010 (-0.020, 0.001)	0.073	NA	NA
PEF	VPS4A	cg26979197	2	Inverse variance weighted	0.016	0.007	0.016 (0.002, 0.031)	0.027	NA	NA
PEF	MTOR	cg07922924	1	Wald ratio	0.019	0.009	0.019 (0.002, 0.035)	0.032	NA	NA
PEF	CTSH	cg08500346	2	Inverse variance weighted	-0.017	0.015	-0.017 (-0.045, 0.011)	0.243	NA	NA
PEF	RPTOR	cg06153925	13	Inverse variance weighted	-0.006	0.002	-0.006 (-0.010, -0.001)	0.009	0.002	0.177
PEF	NOS3	cg03469471	1	Wald ratio	0.033	0.015	0.033 (0.003, 0.062)	0.033	NA	NA
PEF	SYNPO2	cg10320997	1	Wald ratio	0.043	0.019	0.043 (0.005, 0.081)	0.028	NA	NA
PEF	RPTOR	cg05098037	8	Inverse variance weighted	0.003	0.004	0.003 (-0.004, 0.010)	0.432	-0.002	0.279
PEF	AP1S1	cg24080086	1	Wald ratio	-0.037	0.017	-0.037 (-0.071, -0.003)	0.031	NA	NA
PEF	P2RX4	cg20966272	1	Wald ratio	0.019	0.009	0.019 (0.001, 0.037)	0.038	NA	NA
PEF	LARP1	cg23944572	2	Inverse variance weighted	0.018	0.008	0.018 (0.002, 0.033)	0.024	NA	NA
PEF	CAV1	cg04474049	2	Inverse variance weighted	-0.011	0.006	-0.011 (-0.024, 0.001)	0.068	NA	NA
PEF	ING5	cg13140981	4	Inverse variance weighted	-0.012	0.005	-0.012 (-0.023, -0.002)	0.019	-0.005	0.351
PEF	WWOX	cg04609912	8	Inverse variance weighted	-0.003	0.007	-0.003 (-0.016, 0.010)	0.613	0.004	0.379
PEF	SLC39A11	cg14233847	1	Wald ratio	0.038	0.018	0.038 (0.003, 0.073)	0.031	NA	NA
PEF	TPCN2	cg22484980	1	Wald ratio	0.035	0.017	0.035 (0.003, 0.068)	0.033	NA	NA
PEF	IGF2R	cg25484127	1	Wald ratio	-0.025	0.012	-0.025 (-0.048, -0.002)	0.036	NA	NA
PEF	FXN	cg13974534	1	Wald ratio	0.026	0.012	0.026 (0.002, 0.050)	0.036	NA	NA
PEF	LIPT1	cg22616506	1	Wald ratio	-0.043	0.020	-0.043 (-0.082, -0.005)	0.028	NA	NA
PEF	LAPTM4A	cg08323277	1	Wald ratio	0.033	0.016	0.033 (0.003, 0.064)	0.033	NA	NA
PEF	ITPRIP	cg24199006	1	Wald ratio	-0.029	0.014	-0.029 (-0.056, -0.002)	0.035	NA	NA
PEF	COL2A1	cg10502244	4	Inverse variance weighted	0.006	0.016	0.006 (-0.026, 0.037)	0.732	0.010	0.347
PEF	FOXK2	cg15292356	11	Inverse variance weighted	0.006	0.003	0.006 (-0.001, 0.013)	0.076	0.001	0.747
PEF	PPIF	cg09469691	2	Inverse variance weighted	-0.011	0.005	-0.011 (-0.021, -0.001)	0.026	NA	NA
PEF	PPP3R1	cg16179607	2	Inverse variance weighted	-0.010	0.005	-0.010 (-0.021, -0.000)	0.048	NA	NA
PEF	RPTOR	cg06418238	14	Inverse variance weighted	-0.004	0.002	-0.004 (-0.008, 0.000)	0.060	0.002	0.231
PEF	SLC39A7	cg14348706	1	Wald ratio	-0.039	0.018	-0.039 (-0.075, -0.004)	0.031	NA	NA
PEF	FXN	cg14656297	1	Wald ratio	0.028	0.013	0.028 (0.002, 0.055)	0.036	NA	NA
PEF	NOS3	cg00571021	4	Inverse variance weighted	0.011	0.008	0.011 (-0.005, 0.026)	0.176	-0.005	0.502
PEF	RPTOR	cg14343513	10	Inverse variance weighted	0.002	0.003	0.002 (-0.004, 0.008)	0.519	-0.002	0.349
PEF	PERP	cg06052619	1	Wald ratio	0.030	0.014	0.030 (0.002, 0.058)	0.035	NA	NA
PEF	RPTOR	cg15230985	9	Inverse variance weighted	0.001	0.004	0.001 (-0.007, 0.009)	0.764	-0.002	0.542
PEF	HSP90AA1	cg23904247	1	Wald ratio	0.031	0.015	0.031 (0.002, 0.060)	0.035	NA	NA
PEF	CYP1B1	cg02162897	4	Inverse variance weighted	0.005	0.010	0.005 (-0.015, 0.026)	0.613	-0.009	0.445
PEF	ORMDL3	cg19511844	1	Wald ratio	-0.027	0.016	-0.027 (-0.059, 0.005)	0.103	NA	NA
PEF	USP10	cg02833172	2	Inverse variance weighted	0.013	0.008	0.013 (-0.004, 0.029)	0.139	NA	NA
PEF	ACO1	cg13572911	2	Inverse variance weighted	0.020	0.009	0.020 (0.003, 0.037)	0.019	NA	NA
PEF	TRADD	cg04240553	1	Wald ratio	0.025	0.012	0.025 (0.001, 0.048)	0.037	NA	NA
PEF	RPTOR	cg03794617	7	Inverse variance weighted	-0.003	0.005	-0.003 (-0.013, 0.007)	0.596	-0.001	0.885
PEF	STAT5A	cg17478203	1	Wald ratio	-0.035	0.017	-0.035 (-0.067, -0.003)	0.035	NA	NA
PEF	TRIM65	cg25176883	1	Wald ratio	0.039	0.018	0.039 (0.003, 0.075)	0.034	NA	NA

PEF	RPTOR	cg08454507	13	Inverse variance weighted	-0.003	0.002	-0.003 (-0.008, 0.001)	0.099	0.003	0.185
PEF	EYA4	cg17985029	13	Inverse variance weighted	-0.008	0.005	-0.008 (-0.019, 0.002)	0.107	-0.004	0.349
PEF	TNFRSF10A	cg26530341	5	Inverse variance weighted	0.005	0.004	0.005 (-0.002, 0.013)	0.130	-0.005	0.512
PEF	RPTOR	cg05064567	7	Inverse variance weighted	-0.005	0.003	-0.005 (-0.011, 0.001)	0.077	0.001	0.601
PEF	SOD2	cg13221458	13	Inverse variance weighted	0.004	0.002	0.004 (-0.001, 0.009)	0.115	-0.001	0.606
PEF	DIDO1	cg23096297	9	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.004)	0.004	0.001	0.733
PEF	TNFRSF10A	cg23882019	6	Inverse variance weighted	0.006	0.003	0.006 (0.000, 0.012)	0.041	-0.001	0.798
PEF	CAV1	cg01265597	1	Wald ratio	-0.027	0.013	-0.027 (-0.053, -0.001)	0.040	NA	NA
PEF	GFRAL	cg15756928	9	Inverse variance weighted	0.016	0.003	0.016 (0.009, 0.022)	7.11E-06	0.005	0.097
PEF	SGSH	cg08956673	4	Inverse variance weighted	0.008	0.004	0.008 (0.000, 0.015)	0.045	0.001	0.771
PEF	RPTOR	cg01886663	2	Inverse variance weighted	-0.022	0.009	-0.022 (-0.040, -0.004)	0.017	NA	NA
PEF	ATP2A1	cg04414917	4	Inverse variance weighted	0.012	0.005	0.012 (0.001, 0.022)	0.025	-0.001	0.880
PEF	HEXB	cg26333638	1	Wald ratio	0.037	0.018	0.037 (0.002, 0.072)	0.036	NA	NA
PEF	PERP	cg25821223	1	Wald ratio	-0.028	0.014	-0.028 (-0.055, -0.001)	0.039	NA	NA
PEF	ACSL1	cg20410192	1	Wald ratio	0.025	0.012	0.025 (0.001, 0.048)	0.042	NA	NA
PEF	NOS3	cg07841866	3	Inverse variance weighted	0.014	0.006	0.014 (0.003, 0.025)	0.015	0.001	0.905
PEF	TNFRSF10A	cg22843797	2	Inverse variance weighted	0.012	0.006	0.012 (0.000, 0.023)	0.046	NA	NA
PEF	LYN	cg08894788	2	Inverse variance weighted	0.017	0.006	0.017 (0.005, 0.029)	0.005	NA	NA
PEF	RPTOR	cg08329754	5	Inverse variance weighted	0.000	0.006	-0.000 (-0.012, 0.011)	0.941	0.010	0.129
PEF	CYP1B1	cg07057636	1	Wald ratio	-0.038	0.018	-0.038 (-0.074, -0.003)	0.035	NA	NA
PEF	TNFRSF10A	cg24278165	2	Inverse variance weighted	0.009	0.013	0.009 (-0.018, 0.035)	0.516	NA	NA
PEF	ARRB2	cg16472369	2	Inverse variance weighted	-0.017	0.006	-0.017 (-0.029, -0.004)	0.008	NA	NA
PEF	POU4F2	cg00505045	1	Wald ratio	-0.040	0.019	-0.040 (-0.078, -0.003)	0.035	NA	NA
PEF	ATG2B	cg18920658	1	Wald ratio	0.034	0.016	0.034 (0.002, 0.066)	0.038	NA	NA
PEF	CTSH	cg17922215	2	Inverse variance weighted	0.009	0.030	0.009 (-0.051, 0.068)	0.780	NA	NA
PEF	LAMP3	cg19825758	1	Wald ratio	0.018	0.009	0.018 (0.000, 0.035)	0.046	NA	NA
PEF	ITGAV	cg15732657	1	Wald ratio	0.018	0.009	0.018 (0.000, 0.035)	0.046	NA	NA
PEF	RPTOR	cg06872548	11	Inverse variance weighted	-0.003	0.002	-0.003 (-0.007, 0.001)	0.120	0.001	0.663
PEF	RPTOR	cg22878693	12	Inverse variance weighted	-0.004	0.002	-0.004 (-0.009, 0.000)	0.067	0.001	0.688
PEF	IGF2R	cg05291059	1	Wald ratio	-0.037	0.017	-0.037 (-0.071, -0.002)	0.036	NA	NA
PEF	RPTOR	cg16015295	12	Inverse variance weighted	-0.002	0.003	-0.002 (-0.008, 0.003)	0.380	0.001	0.484
PEF	FEZ1	cg12906303	8	Inverse variance weighted	0.008	0.004	0.008 (0.001, 0.015)	0.028	-0.001	0.505
PEF	SORL1	cg08441314	2	Inverse variance weighted	-0.008	0.025	-0.008 (-0.057, 0.041)	0.746	NA	NA
PEF	RPTOR	cg22386583	4	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.002)	0.015	0.003	0.470
PEF	TP73	cg21388339	7	Inverse variance weighted	0.005	0.003	0.005 (-0.000, 0.011)	0.051	-0.001	0.692
PEF	RET	cg02780029	28	Inverse variance weighted	0.007	0.002	0.007 (0.004, 0.010)	1.20E-05	0.000	0.705
PEF	LEPR	cg06558372	1	Wald ratio	0.037	0.018	0.037 (0.002, 0.072)	0.038	NA	NA
PEF	PERP	cg24555822	1	Wald ratio	-0.020	0.010	-0.020 (-0.039, -0.000)	0.046	NA	NA
PEF	OPTN	cg16907766	3	Inverse variance weighted	0.013	0.006	0.013 (0.002, 0.024)	0.020	0.000	0.939

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; SNP, single nucleotide polymorphsim; CI, confidence interval;

Table S32. Genetic instruments for sensitivity analysis of PCD-related gene methylation in relation to lung function parameters

Outcome	Gene	probeID	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
FVC	AATF	cg02282317	rs62072263	A	G	0.257	0.023	0.486	3.58E-29	-0.001	0.002	0.756	0.033	125.629	TRUE	1.85E-28
FVC	AATF	cg02282317	rs9893681	A	T	-0.312	0.052	0.088	1.79E-09	0.000	0.004	0.921	0.010	36.172	TRUE	2.42E-09
FVC	AATF	cg03252536	rs57032547	A	G	0.700	0.105	0.020	2.30E-11	-0.020	0.009	0.022	0.012	44.676	TRUE	1.35E-10
FVC	AATF	cg06385152	rs9905721	G	A	-0.680	0.095	0.026	9.08E-13	-0.017	0.009	0.049	0.014	51.006	TRUE	5.10E-12
FVC	AATF	cg10760240	rs11658121	G	A	0.276	0.035	0.396	2.25E-15	-0.001	0.002	0.843	0.017	62.797	TRUE	4.33E-15
FVC	AATF	cg10760240	rs1266175	G	A	0.229	0.024	0.379	1.69E-21	0.004	0.002	0.112	0.024	90.635	TRUE	1.61E-20
FVC	AATF	cg10760240	rs142385159	C	T	-1.099	0.074	0.027	8.98E-50	0.002	0.007	0.781	0.056	219.896	TRUE	3.30E-48
FVC	AATF	cg10760240	rs150059290	A	G	-0.417	0.048	0.124	6.14E-18	-0.005	0.004	0.200	0.020	74.436	TRUE	3.28E-17
FVC	AATF	cg10760240	rs150505510	C	G	-0.800	0.101	0.014	2.05E-15	-0.020	0.010	0.040	0.017	62.983	TRUE	1.59E-14
FVC	AATF	cg10760240	rs1634332	G	A	0.256	0.025	0.286	3.18E-24	0.000	0.003	0.938	0.027	103.049	TRUE	9.22E-24
FVC	AATF	cg10760240	rs17622603	C	T	-0.498	0.047	0.062	2.65E-26	-0.007	0.005	0.135	0.030	112.531	TRUE	3.58E-25
FVC	AATF	cg10760240	rs3110647	A	G	-0.203	0.032	0.427	2.91E-10	-0.001	0.002	0.774	0.011	39.711	TRUE	4.58E-10
FVC	AATF	cg10760240	rs72826148	T	A	-1.563	0.034	0.130	<1E-200	-0.006	0.004	0.079	0.361	2085.833	TRUE	<1E-200
FVC	AATF	cg10760240	rs72828293	T	C	-1.004	0.141	0.015	1.11E-12	0.004	0.009	0.622	0.013	50.616	TRUE	2.26E-12
FVC	AATF	cg11262262	rs62072264	C	T	-0.141	0.023	0.482	1.61E-09	-0.001	0.002	0.699	0.010	36.373	TRUE	2.57E-09
FVC	AATF	cg11262262	rs6607358	G	A	0.495	0.065	0.032	2.75E-14	-0.002	0.007	0.760	0.015	57.875	TRUE	5.36E-14
FVC	AATF	cg11262262	rs7216758	G	T	0.757	0.063	0.064	1.76E-33	0.007	0.005	0.130	0.038	145.315	TRUE	5.26E-32
FVC	AATF	cg11262262	rs80173298	C	T	0.713	0.102	0.014	2.75E-12	0.009	0.010	0.355	0.013	48.836	TRUE	7.33E-12
FVC	AATF	cg12996119	rs12453407	G	A	-0.199	0.023	0.470	7.92E-18	0.005	0.002	0.041	0.020	73.934	TRUE	8.09E-17
FVC	AATF	cg12996119	rs12936981	A	G	-0.421	0.068	0.052	6.48E-10	0.007	0.005	0.180	0.010	38.151	TRUE	1.87E-09
FVC	AATF	cg12996119	rs142385159	C	T	0.430	0.075	0.027	1.01E-08	0.002	0.007	0.781	0.009	32.802	TRUE	1.47E-08
FVC	AATF	cg12996119	rs17138899	C	A	-0.240	0.042	0.080	1.17E-08	-0.002	0.004	0.665	0.009	32.514	TRUE	1.84E-08
FVC	AATF	cg12996119	rs62072263	A	G	0.474	0.023	0.486	1.56E-96	-0.001	0.002	0.756	0.105	434.444	TRUE	6.85E-92
FVC	AATF	cg12996119	rs8076831	A	C	-0.184	0.032	0.438	8.80E-09	0.002	0.002	0.427	0.009	33.073	TRUE	1.71E-08
FVC	AATF	cg12996119	rs9893060	A	G	-0.413	0.053	0.050	7.80E-15	-0.010	0.006	0.075	0.016	60.351	TRUE	4.69E-14
FVC	AATF	cg14974722	rs9905721	G	A	-0.683	0.095	0.026	8.53E-13	-0.017	0.009	0.049	0.014	51.128	TRUE	4.81E-12
FVC	ABL2	cg09129563	rs4652355	G	C	0.185	0.024	0.398	4.19E-15	0.002	0.002	0.335	0.016	61.574	TRUE	1.40E-14
FVC	ABL2	cg10805082	rs72709483	G	C	-0.224	0.037	0.121	1.05E-09	-0.003	0.004	0.473	0.010	37.204	TRUE	2.09E-09
FVC	ABL2	cg13927605	rs2636293	A	G	-0.130	0.023	0.463	1.76E-08	-0.003	0.002	0.230	0.009	31.727	TRUE	4.10E-08
FVC	ABL2	cg18433086	rs6672395	C	T	0.219	0.033	0.147	2.39E-11	-0.007	0.003	0.037	0.012	44.594	TRUE	1.28E-10
FVC	ACP2	cg20969221	rs1051006	A	G	0.173	0.030	0.185	1.18E-08	0.009	0.003	0.002	0.009	32.500	TRUE	7.92E-08
FVC	ACP5	cg00481884	rs2328916	C	T	-0.172	0.025	0.347	2.71E-12	-0.003	0.003	0.246	0.013	48.864	TRUE	8.43E-12
FVC	ACP5	cg03302259	rs10424557	A	G	-0.288	0.045	0.089	1.89E-10	-0.005	0.005	0.250	0.011	40.557	TRUE	5.02E-10
FVC	ACP5	cg03302259	rs78934187	G	A	-0.324	0.025	0.347	2.41E-39	-0.003	0.003	0.262	0.044	172.135	TRUE	8.42E-38
FVC	ACP5	cg03719155	rs11670621	T	C	-0.177	0.024	0.485	6.44E-14	0.006	0.002	0.017	0.015	56.201	TRUE	5.38E-13
FVC	ACP5	cg03719155	rs12979844	G	A	-0.302	0.044	0.081	3.70E-12	0.002	0.004	0.652	0.013	48.249	TRUE	7.13E-12
FVC	ACP5	cg03719155	rs35879291	C	T	-0.722	0.022	0.347	1.15E-233	-0.003	0.003	0.288	0.224	1064.724	TRUE	7.07E-211
FVC	ACP5	cg03719155	rs366452	G	A	-0.156	0.024	0.379	6.30E-11	-0.003	0.002	0.228	0.011	42.703	TRUE	1.82E-10
FVC	ACP5	cg03719155	rs429740	T	C	0.158	0.029	0.213	3.31E-08	0.000	0.003	0.982	0.008	30.500	TRUE	4.12E-08
FVC	ACP5	cg03719155	rs68057395	G	T	0.211	0.028	0.236	1.60E-14	0.000	0.003	0.888	0.016	58.943	TRUE	2.79E-14

FVC	ACP5	cg03719155	rs78286652	G	A	-0.356	0.045	0.099	1.45E-15	0.000	0.004	0.922	0.017	63.669	TRUE	2.58E-15
FVC	ACP5	cg03719155	rs8103375	C	T	-0.514	0.045	0.089	2.16E-30	-0.005	0.005	0.252	0.034	131.197	TRUE	3.07E-29
FVC	ACP5	cg10644885	rs2071484	C	T	-0.149	0.025	0.347	2.25E-09	-0.003	0.003	0.293	0.010	35.724	TRUE	5.23E-09
FVC	ACP5	cg14188508	rs7256770	A	G	-0.175	0.025	0.345	2.29E-12	-0.003	0.003	0.273	0.013	49.192	TRUE	6.80E-12
FVC	ACP5	cg17658002	rs12972855	G	A	-0.302	0.036	0.118	7.15E-17	0.002	0.004	0.647	0.018	69.594	TRUE	1.82E-16
FVC	ACP5	cg17658002	rs149502884	A	C	-0.455	0.035	0.132	3.42E-38	-0.008	0.004	0.020	0.043	166.867	TRUE	4.80E-36
FVC	ACP5	cg17658002	rs187568415	A	G	0.566	0.048	0.070	6.08E-32	0.000	0.005	0.964	0.036	138.286	TRUE	2.97E-31
FVC	ACP5	cg21207418	rs2459034	C	T	-0.148	0.023	0.468	2.76E-10	0.005	0.002	0.050	0.011	39.818	TRUE	1.16E-09
FVC	ACP5	cg21207418	rs35879291	C	T	-0.563	0.024	0.347	9.44E-120	-0.003	0.003	0.288	0.128	541.087	TRUE	2.55E-112
FVC	ACP5	cg21207418	rs366452	G	A	-0.149	0.024	0.379	5.19E-10	-0.003	0.002	0.228	0.010	38.582	TRUE	1.40E-09
FVC	ACP5	cg21207418	rs78286652	G	A	-0.332	0.045	0.099	1.01E-13	0.000	0.004	0.922	0.015	55.315	TRUE	1.65E-13
FVC	ACP5	cg21207418	rs8103375	C	T	-0.475	0.045	0.089	5.08E-26	-0.005	0.005	0.252	0.029	111.242	TRUE	4.80E-25
FVC	ACP5	cg26570683	rs78934187	G	A	-0.336	0.025	0.347	3.33E-42	-0.003	0.003	0.262	0.048	185.229	TRUE	1.59E-40
FVC	ACP5	cg26570683	rs8103375	C	T	-0.269	0.045	0.089	2.64E-09	-0.005	0.005	0.252	0.009	35.415	TRUE	6.44E-09
FVC	ACP5	cg27542552	rs55806100	G	A	-0.138	0.025	0.340	2.96E-08	-0.004	0.003	0.088	0.008	30.717	TRUE	9.09E-08
FVC	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	0.000	0.003	0.922	0.009	33.777	TRUE	8.12E-09
FVC	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	0.003	0.003	0.408	0.026	99.595	TRUE	1.01E-22
FVC	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	-0.006	0.004	0.118	0.024	91.104	TRUE	1.27E-20
FVC	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	-0.001	0.003	0.651	0.023	85.706	TRUE	6.58E-20
FVC	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	-0.001	0.003	0.734	0.096	394.415	TRUE	7.91E-84
FVC	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	0.002	0.003	0.419	0.012	45.752	TRUE	3.14E-11
FVC	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	0.004	0.004	0.326	0.024	91.003	TRUE	7.95E-21
FVC	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	0.000	0.003	0.950	0.166	735.001	TRUE	8.83E-151
FVC	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	-0.002	0.004	0.718	0.021	80.430	TRUE	8.08E-19
FVC	ACSL1	cg01714284	rs11732302	C	T	0.552	0.081	0.022	1.22E-11	-0.012	0.008	0.139	0.012	45.921	TRUE	4.40E-11
FVC	ACSL1	cg01714284	rs13127985	C	T	0.255	0.024	0.390	8.92E-26	-0.003	0.002	0.215	0.029	110.128	TRUE	9.24E-25
FVC	ACSL1	cg01714284	rs2696051	G	T	-0.214	0.029	0.212	9.70E-14	0.002	0.003	0.560	0.015	55.398	TRUE	2.24E-13
FVC	ACSL1	cg01714284	rs34653881	C	G	-0.162	0.027	0.260	2.64E-09	0.002	0.003	0.384	0.009	35.413	TRUE	5.48E-09
FVC	ACSL1	cg01714284	rs7686479	C	T	-0.660	0.034	0.141	7.75E-85	0.010	0.003	0.003	0.093	380.740	TRUE	5.15E-79
FVC	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	0.003	0.003	0.408	0.009	32.239	TRUE	2.61E-08
FVC	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	-0.001	0.003	0.708	0.012	44.331	TRUE	4.76E-11
FVC	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	-0.006	0.004	0.118	0.012	43.529	TRUE	1.52E-10
FVC	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	0.010	0.003	0.004	0.019	72.679	TRUE	2.87E-16
FVC	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	0.000	0.003	0.950	0.008	30.509	TRUE	4.18E-08
FVC	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	-0.003	0.002	0.269	0.064	253.540	TRUE	1.27E-54
FVC	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	0.001	0.002	0.610	0.011	42.716	TRUE	1.16E-10
FVC	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	0.003	0.003	0.408	0.010	38.437	TRUE	1.18E-09
FVC	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	0.004	0.002	0.153	0.012	44.293	TRUE	9.73E-11
FVC	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	0.005	0.003	0.111	0.020	74.207	TRUE	4.63E-17
FVC	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	0.000	0.002	0.971	0.014	53.493	TRUE	3.93E-13
FVC	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	-0.002	0.007	0.791	0.010	36.790	TRUE	1.95E-09
FVC	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	0.001	0.002	0.764	0.009	34.512	TRUE	6.25E-09

FVC	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	-0.003	0.005	0.543	0.011	42.884	TRUE	1.14E-10
FVC	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	0.008	0.003	0.009	0.064	251.555	TRUE	2.95E-53
FVC	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	0.004	0.003	0.169	0.016	59.617	TRUE	4.97E-14
FVC	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	0.000	0.002	0.982	0.017	63.888	TRUE	2.22E-15
FVC	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	-0.005	0.003	0.100	0.022	82.999	TRUE	6.90E-19
FVC	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	0.003	0.003	0.408	0.009	34.235	TRUE	9.62E-09
FVC	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	0.000	0.003	0.900	0.072	284.859	TRUE	1.03E-61
FVC	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	0.001	0.002	0.610	0.014	51.736	TRUE	1.30E-12
FVC	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	-0.003	0.003	0.238	0.016	59.829	TRUE	3.83E-14
FVC	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	0.002	0.002	0.451	0.010	37.355	TRUE	1.96E-09
FVC	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	-0.002	0.003	0.497	0.008	31.397	TRUE	3.71E-08
FVC	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	0.004	0.003	0.153	0.014	52.455	TRUE	1.70E-12
FVC	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	0.004	0.004	0.318	0.008	29.901	TRUE	9.33E-08
FVC	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	0.000	0.002	0.971	0.019	72.925	TRUE	2.50E-17
FVC	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	0.004	0.003	0.157	0.012	43.708	TRUE	1.27E-10
FVC	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	-0.002	0.003	0.412	0.016	58.274	TRUE	6.39E-14
FVC	ACSL1	cg27112742	rs67469410	T	A	-0.207	0.032	0.164	2.08E-10	0.008	0.003	0.013	0.011	40.367	TRUE	1.25E-09
FVC	ACSL1	cg27112742	rs72689214	C	G	-0.233	0.031	0.179	2.45E-14	-0.001	0.003	0.661	0.015	58.099	TRUE	5.34E-14
FVC	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	0.005	0.003	0.145	0.075	300.418	TRUE	5.54E-64
FVC	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	0.001	0.003	0.746	0.017	64.683	TRUE	1.85E-15
FVC	AGRP	cg06285333	rs111986796	T	C	0.614	0.091	0.020	1.23E-11	-0.018	0.010	0.061	0.012	45.897	TRUE	5.79E-11
FVC	AGRP	cg06285333	rs6499130	T	G	-0.365	0.043	0.076	3.38E-17	-0.014	0.004	0.002	0.019	71.073	TRUE	7.52E-16
FVC	AHRR	cg03569073	rs2672770	A	C	0.255	0.025	0.298	2.08E-24	0.004	0.003	0.090	0.027	103.886	TRUE	3.00E-23
FVC	AHRR	cg09662430	rs10054612	A	G	-0.433	0.044	0.081	4.33E-23	0.002	0.004	0.594	0.026	97.881	TRUE	1.80E-22
FVC	AHRR	cg09662430	rs10440690	A	G	-0.327	0.044	0.077	6.10E-14	0.001	0.005	0.811	0.015	56.308	TRUE	1.12E-13
FVC	AHRR	cg09662430	rs116266266	A	G	-0.769	0.114	0.013	1.66E-11	-0.012	0.012	0.324	0.012	45.312	TRUE	4.34E-11
FVC	AHRR	cg09662430	rs11746538	A	C	-0.217	0.037	0.117	4.25E-09	0.003	0.004	0.391	0.009	34.486	TRUE	8.64E-09
FVC	AHRR	cg09662430	rs13154323	C	T	-0.157	0.024	0.453	2.94E-11	0.006	0.002	0.023	0.012	44.195	TRUE	1.72E-10
FVC	AHRR	cg09662430	rs151191270	T	C	-0.603	0.080	0.026	4.07E-14	-0.015	0.008	0.054	0.015	57.102	TRUE	2.55E-13
FVC	AHRR	cg09662430	rs389363	A	G	-0.357	0.044	0.068	1.01E-15	0.007	0.005	0.126	0.017	64.375	TRUE	5.41E-15
FVC	AHRR	cg09662430	rs56051594	T	C	0.179	0.024	0.412	7.57E-14	-0.007	0.002	0.006	0.015	55.884	TRUE	7.92E-13
FVC	AHRR	cg09662430	rs62331561	T	C	0.405	0.034	0.138	8.00E-33	0.007	0.003	0.051	0.037	142.311	TRUE	3.68E-31
FVC	AHRR	cg09662430	rs77465551	G	A	-0.209	0.034	0.130	1.40E-09	0.001	0.004	0.748	0.010	36.647	TRUE	2.18E-09
FVC	AHRR	cg09662430	rs870502	T	C	-0.699	0.024	0.301	5.74E-187	0.004	0.003	0.084	0.187	850.012	TRUE	1.47E-170
FVC	AHRR	cg09854184	rs6879758	C	G	-0.428	0.048	0.065	3.51E-19	0.004	0.005	0.485	0.021	80.083	TRUE	1.28E-18
FVC	AHRR	cg11148817	rs62329994	A	G	-0.277	0.047	0.068	3.04E-09	0.003	0.005	0.617	0.009	35.140	TRUE	5.13E-09
FVC	AHRR	cg16081854	rs1035908	T	C	0.398	0.039	0.100	3.80E-24	0.000	0.004	0.959	0.027	102.696	TRUE	1.07E-23
FVC	AHRR	cg16081854	rs112317010	A	G	0.779	0.093	0.014	8.20E-17	0.011	0.009	0.206	0.018	69.324	TRUE	3.93E-16
FVC	AHRR	cg16081854	rs115479894	G	T	0.413	0.071	0.029	6.30E-09	-0.006	0.007	0.384	0.009	33.722	TRUE	1.29E-08
FVC	AHRR	cg16081854	rs115772618	G	C	0.509	0.088	0.020	6.47E-09	0.022	0.008	0.008	0.009	33.670	TRUE	3.52E-08
FVC	AHRR	cg16081854	rs116314028	T	C	-0.492	0.039	0.110	2.85E-36	-0.011	0.004	0.006	0.041	158.081	TRUE	5.04E-34
FVC	AHRR	cg16081854	rs12716167	A	G	0.295	0.042	0.096	1.80E-12	0.006	0.004	0.146	0.013	49.669	TRUE	6.95E-12

FVC	AHRR	cg16081854	rs13172732	C	T	0.843	0.019	0.451	<1E-200	0.009	0.002	1.62E-04	0.343	1933.194	TRUE	<1E-200
FVC	AHRR	cg16081854	rs145851861	T	C	0.581	0.089	0.017	7.01E-11	-0.008	0.008	0.318	0.011	42.495	TRUE	1.77E-10
FVC	AHRR	cg16081854	rs151191270	T	C	0.660	0.080	0.026	1.67E-16	-0.015	0.008	0.054	0.018	67.926	TRUE	1.32E-15
FVC	AHRR	cg16081854	rs2721011	G	C	0.552	0.030	0.189	1.76E-77	0.002	0.003	0.507	0.086	346.977	TRUE	5.42E-74
FVC	AHRR	cg16081854	rs34398974	G	A	-0.637	0.037	0.102	1.31E-66	-0.004	0.004	0.301	0.074	297.089	TRUE	1.41E-63
FVC	AHRR	cg16081854	rs35342079	G	A	-0.368	0.024	0.427	5.30E-55	-0.005	0.002	0.027	0.062	243.859	TRUE	5.68E-52
FVC	AHRR	cg16081854	rs35839513	G	T	-0.596	0.097	0.033	8.52E-10	0.011	0.006	0.062	0.010	37.618	TRUE	3.33E-09
FVC	AHRR	cg16081854	rs35914637	C	T	-0.158	0.026	0.252	1.48E-09	-0.009	0.003	5.26E-04	0.010	36.537	TRUE	1.40E-08
FVC	AHRR	cg16081854	rs36004765	T	C	0.470	0.041	0.093	5.83E-30	0.000	0.004	0.929	0.034	129.229	TRUE	2.60E-29
FVC	AHRR	cg16081854	rs4957061	T	C	-0.205	0.024	0.486	7.27E-18	-0.006	0.002	0.007	0.020	74.103	TRUE	1.19E-16
FVC	AHRR	cg16081854	rs588820	A	G	-0.237	0.043	0.189	3.92E-08	-0.006	0.003	0.091	0.008	30.175	TRUE	1.16E-07
FVC	AHRR	cg16081854	rs62330027	A	T	0.683	0.037	0.101	1.41E-74	0.007	0.004	0.069	0.083	333.649	TRUE	1.96E-70
FVC	AHRR	cg16081854	rs6883247	G	A	0.613	0.043	0.076	3.03E-46	0.006	0.005	0.222	0.052	203.732	TRUE	2.67E-44
FVC	AHRR	cg16081854	rs72702726	T	C	-0.402	0.054	0.047	7.68E-14	0.004	0.005	0.455	0.015	55.856	TRUE	2.00E-13
FVC	AHRR	cg16081854	rs72710812	A	G	0.419	0.068	0.030	9.86E-10	0.016	0.007	0.016	0.010	37.332	TRUE	5.22E-09
FVC	AHRR	cg16081854	rs7724374	A	G	0.633	0.025	0.291	6.97E-145	0.003	0.003	0.245	0.151	656.568	TRUE	1.30E-134
FVC	AHRR	cg17310215	rs10053800	G	A	-0.224	0.034	0.141	3.21E-11	0.002	0.004	0.614	0.012	44.021	TRUE	6.10E-11
FVC	AHRR	cg17310215	rs6885901	A	G	-0.263	0.023	0.486	1.59E-30	0.006	0.002	0.010	0.034	131.809	TRUE	1.04E-28
FVC	AHRR	cg17989581	rs10054902	A	G	0.175	0.027	0.242	9.05E-11	0.004	0.003	0.174	0.011	41.993	TRUE	2.86E-10
FVC	AHRR	cg17989581	rs1574220	C	T	0.492	0.042	0.081	8.57E-32	0.005	0.004	0.223	0.036	137.603	TRUE	1.51E-30
FVC	AHRR	cg17989581	rs3932940	C	T	0.132	0.024	0.361	3.39E-08	0.005	0.003	0.070	0.008	30.454	TRUE	1.08E-07
FVC	AIM2	cg00490406	rs1057024	G	A	-0.240	0.035	0.137	4.06E-12	-0.007	0.004	0.055	0.013	48.070	TRUE	2.05E-11
FVC	AIM2	cg00490406	rs143891965	A	C	-0.892	0.054	0.046	5.60E-61	-0.012	0.005	0.026	0.068	271.259	TRUE	1.62E-57
FVC	AIM2	cg10636246	rs76430338	A	C	-0.564	0.054	0.046	2.37E-25	-0.012	0.005	0.030	0.028	108.187	TRUE	5.83E-24
FVC	AIM2	cg11003133	rs114714236	C	T	-0.599	0.108	0.011	2.82E-08	-0.007	0.010	0.458	0.008	30.813	TRUE	5.14E-08
FVC	AIM2	cg11003133	rs115844179	G	C	-0.619	0.093	0.041	3.19E-11	-0.005	0.006	0.423	0.012	44.035	TRUE	7.24E-11
FVC	AIM2	cg11003133	rs143891965	A	C	-1.225	0.053	0.046	2.62E-117	-0.012	0.005	0.026	0.125	529.867	TRUE	5.06E-109
FVC	AIM2	cg11003133	rs71632651	G	A	-0.323	0.053	0.054	1.41E-09	-0.007	0.005	0.174	0.010	36.630	TRUE	4.03E-09
FVC	AIM2	cg17217296	rs1057024	G	A	-0.288	0.035	0.137	7.38E-17	-0.007	0.004	0.055	0.018	69.530	TRUE	5.96E-16
FVC	AIM2	cg17217296	rs11265225	T	C	-0.206	0.037	0.103	3.07E-08	0.003	0.004	0.491	0.008	30.644	TRUE	5.46E-08
FVC	AIM2	cg17217296	rs114714236	C	T	-0.828	0.108	0.011	1.37E-14	-0.007	0.010	0.458	0.016	59.246	TRUE	3.73E-14
FVC	AIM2	cg17217296	rs115844179	G	C	-0.900	0.092	0.041	2.13E-22	-0.005	0.006	0.423	0.025	94.722	TRUE	1.07E-21
FVC	AIM2	cg17217296	rs12047287	C	T	-0.289	0.052	0.131	2.05E-08	0.000	0.004	0.920	0.008	31.428	TRUE	2.68E-08
FVC	AIM2	cg17217296	rs143891965	A	C	-1.648	0.051	0.046	2.69E-226	-0.012	0.005	0.026	0.218	1030.840	TRUE	3.19E-203
FVC	AIM2	cg17217296	rs71632651	G	A	-0.476	0.053	0.054	2.51E-19	-0.007	0.005	0.174	0.021	80.747	TRUE	1.63E-18
FVC	AIM2	cg17515347	rs115844179	G	C	-0.510	0.093	0.041	4.87E-08	-0.005	0.006	0.423	0.008	29.752	TRUE	9.01E-08
FVC	AIM2	cg17515347	rs1935067	A	G	-1.113	0.053	0.046	2.62E-96	-0.012	0.005	0.023	0.105	433.407	TRUE	5.06E-90
FVC	AIM2	cg17515347	rs71632651	G	A	-0.323	0.053	0.054	1.19E-09	-0.007	0.005	0.174	0.010	36.961	TRUE	3.42E-09
FVC	AIM2	cg17515347	rs856050	G	A	-0.216	0.032	0.172	7.47E-12	-0.003	0.003	0.281	0.013	46.874	TRUE	2.11E-11
FVC	AIM2	cg27541604	rs143891965	A	C	-0.673	0.055	0.046	7.87E-35	-0.012	0.005	0.026	0.039	151.487	TRUE	6.14E-33
FVC	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	0.000	0.003	0.958	0.012	43.544	TRUE	5.71E-11
FVC	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	-0.006	0.006	0.258	0.041	156.423	TRUE	1.60E-34

FVC	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	-0.003	0.004	0.436	0.031	119.299	TRUE	6.75E-27
FVC	AKT1	cg01921845	rs2494733	G	C	-0.756	0.023	0.321	6.44E-232	-0.006	0.003	0.020	0.222	1056.685	TRUE	9.96E-208
FVC	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	0.000	0.005	0.989	0.012	43.327	TRUE	6.30E-11
FVC	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	-0.006	0.003	0.034	0.037	141.017	TRUE	8.24E-31
FVC	AKT1	cg02072813	rs45490496	A	T	0.144	0.024	0.400	3.21E-09	-0.001	0.002	0.795	0.009	35.034	TRUE	4.69E-09
FVC	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	-0.007	0.003	0.028	0.016	58.597	TRUE	1.49E-13
FVC	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	-0.002	0.006	0.800	0.010	38.610	TRUE	7.80E-10
FVC	AKT1	cg02884928	rs117082627	A	G	-0.793	0.119	0.011	3.21E-11	0.018	0.013	0.143	0.012	44.020	TRUE	1.12E-10
FVC	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	-0.003	0.008	0.722	0.019	70.217	TRUE	1.23E-16
FVC	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	-0.003	0.005	0.495	0.152	661.492	TRUE	4.68E-136
FVC	AKT1	cg02884928	rs3001410	T	C	-0.206	0.030	0.205	4.76E-12	-0.002	0.003	0.570	0.013	47.756	TRUE	9.96E-12
FVC	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	0.001	0.003	0.735	0.070	276.632	TRUE	7.01E-60
FVC	AKT1	cg04820159	rs2494742	C	G	-0.432	0.044	0.076	4.43E-23	-0.003	0.005	0.573	0.026	97.834	TRUE	1.88E-22
FVC	AKT1	cg04820159	rs36214921	C	G	0.272	0.026	0.300	4.70E-26	0.001	0.003	0.767	0.029	111.396	TRUE	1.94E-25
FVC	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	0.000	0.003	0.868	0.023	88.465	TRUE	1.28E-20
FVC	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	-0.001	0.003	0.810	0.012	45.134	TRUE	2.93E-11
FVC	AKT1	cg12100463	rs61758556	T	A	-0.246	0.036	0.142	8.26E-12	0.000	0.003	0.906	0.012	46.677	TRUE	1.25E-11
FVC	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	-0.003	0.004	0.455	0.010	36.908	TRUE	2.43E-09
FVC	AKT1	cg12789068	rs118174518	C	G	-2.123	0.108	0.012	2.02E-86	0.006	0.009	0.488	0.095	388.011	TRUE	2.98E-82
FVC	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	-0.002	0.004	0.639	0.009	33.914	TRUE	9.30E-09
FVC	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	0.000	0.003	0.915	0.008	31.381	TRUE	2.76E-08
FVC	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	-0.001	0.004	0.784	0.015	57.467	TRUE	6.44E-14
FVC	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	-0.006	0.004	0.183	0.013	48.421	TRUE	1.17E-11
FVC	AKT1	cg13986355	rs2498786	C	G	0.147	0.024	0.392	1.13E-09	-0.001	0.003	0.762	0.010	37.063	TRUE	1.72E-09
FVC	AKT1	cg14184729	rs35455320	G	C	-0.216	0.036	0.117	1.90E-09	-0.010	0.004	0.007	0.010	36.055	TRUE	1.11E-08
FVC	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	-0.005	0.003	0.068	0.046	176.802	TRUE	2.13E-38
FVC	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	-0.002	0.006	0.800	0.009	34.600	TRUE	5.86E-09
FVC	AKT1	cg14274357	rs117082627	A	G	-0.809	0.119	0.011	1.30E-11	0.018	0.013	0.143	0.012	45.786	TRUE	4.68E-11
FVC	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	-0.003	0.008	0.722	0.022	81.931	TRUE	3.82E-19
FVC	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	-0.003	0.005	0.510	0.172	768.220	TRUE	1.88E-156
FVC	AKT1	cg14274357	rs3001410	T	C	-0.195	0.030	0.205	6.09E-11	-0.002	0.003	0.570	0.011	42.770	TRUE	1.19E-10
FVC	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.003	0.004	0.487	0.008	30.293	TRUE	6.54E-08
FVC	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	0.001	0.003	0.735	0.072	285.448	TRUE	1.09E-61
FVC	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	-0.006	0.003	0.046	0.011	41.425	TRUE	5.44E-10
FVC	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	-0.001	0.003	0.703	0.101	413.893	TRUE	1.02E-87
FVC	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	-0.006	0.003	0.034	0.008	30.375	TRUE	1.34E-07
FVC	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	-0.004	0.003	0.098	0.014	52.272	TRUE	2.15E-12
FVC	AKT1	cg18426060	rs45490496	A	T	-0.392	0.024	0.400	9.67E-61	-0.001	0.002	0.795	0.068	270.173	TRUE	1.28E-58
FVC	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	-0.001	0.003	0.703	0.016	61.080	TRUE	1.14E-14
FVC	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	-0.006	0.003	0.034	0.021	80.776	TRUE	3.09E-18
FVC	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	0.000	0.003	0.900	0.020	75.339	TRUE	8.16E-18
FVC	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	-0.006	0.003	0.033	0.118	494.977	TRUE	2.81E-102

FVC	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	0.000	0.003	0.881	0.010	37.335	TRUE	1.39E-09
FVC	AKT1	cg23176538	rs3803304	G	C	0.517	0.026	0.254	4.32E-87	-0.007	0.003	0.007	0.096	391.088	TRUE	2.92E-81
FVC	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	0.006	0.002	0.010	0.015	55.388	TRUE	9.23E-13
FVC	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	-0.010	0.004	0.007	0.012	44.314	TRUE	2.17E-10
FVC	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	-0.003	0.004	0.375	0.010	35.929	TRUE	4.33E-09
FVC	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	0.007	0.002	0.006	0.050	194.325	TRUE	1.73E-41
FVC	AKT1	cg26023960	rs71421880	A	T	-0.776	0.036	0.106	5.60E-105	-0.010	0.004	0.008	0.113	473.227	TRUE	1.50E-97
FVC	AKT1	cg26099837	rs45490496	A	T	0.139	0.024	0.400	5.85E-09	-0.001	0.002	0.795	0.009	33.867	TRUE	8.44E-09
FVC	ALOX15	cg03972219	rs11078528	A	G	0.290	0.026	0.283	1.14E-29	-0.001	0.003	0.849	0.033	127.906	TRUE	5.48E-29
FVC	ALOX15	cg03972219	rs371029929	C	A	-0.287	0.027	0.254	2.37E-26	0.007	0.003	0.017	0.030	112.755	TRUE	8.23E-25
FVC	ALOX15	cg05715138	rs34230287	T	C	0.184	0.028	0.240	3.93E-11	0.007	0.003	0.008	0.012	43.627	TRUE	2.87E-10
FVC	ALOX15	cg11334406	rs9905711	G	A	-0.182	0.027	0.259	1.57E-11	0.006	0.003	0.017	0.012	45.424	TRUE	9.97E-11
FVC	ALOX15	cg22249932	rs11078528	A	G	0.194	0.026	0.283	6.32E-14	-0.001	0.003	0.849	0.015	56.238	TRUE	1.11E-13
FVC	ALOX15	cg22280258	rs11568061	A	G	0.155	0.028	0.245	1.72E-08	0.007	0.003	0.007	0.009	31.772	TRUE	9.31E-08
FVC	ALOX15	cg22280258	rs2664592	G	C	-0.229	0.038	0.230	1.37E-09	-0.006	0.003	0.042	0.010	36.686	TRUE	5.64E-09
FVC	ALOX15	cg22280258	rs9890673	A	G	-0.398	0.059	0.043	1.86E-11	-0.012	0.005	0.027	0.012	45.086	TRUE	1.06E-10
FVC	AP1G1	cg05493952	rs8058188	G	A	-0.160	0.027	0.264	2.96E-09	0.004	0.003	0.117	0.009	35.192	TRUE	9.13E-09
FVC	AP1G1	cg10085824	rs11075901	A	C	-0.259	0.031	0.169	1.79E-16	0.010	0.003	0.002	0.018	67.788	TRUE	3.70E-15
FVC	AP1G1	cg10085824	rs11649535	G	A	-0.216	0.032	0.165	1.21E-11	-0.006	0.003	0.043	0.012	45.925	TRUE	6.17E-11
FVC	AP1G1	cg10085824	rs1774414	T	C	0.144	0.026	0.260	4.78E-08	0.003	0.003	0.263	0.008	29.786	TRUE	1.04E-07
FVC	AP1G1	cg10085824	rs2270832	A	G	0.443	0.024	0.353	7.52E-77	0.007	0.002	0.003	0.085	344.077	TRUE	1.18E-71
FVC	AP1G1	cg10085824	rs4788541	T	C	0.182	0.025	0.355	2.64E-13	0.006	0.003	0.023	0.014	53.430	TRUE	1.88E-12
FVC	AP1G1	cg10085824	rs62055044	T	G	0.311	0.054	0.049	7.44E-09	0.006	0.005	0.307	0.009	33.397	TRUE	1.65E-08
FVC	AP1G1	cg10085824	rs6558	C	G	-0.216	0.035	0.134	6.08E-10	0.002	0.003	0.494	0.010	38.274	TRUE	1.21E-09
FVC	AP1G1	cg10085824	rs7203606	C	A	-0.204	0.033	0.141	7.32E-10	-0.009	0.003	0.008	0.010	37.914	TRUE	4.50E-09
FVC	AP1G1	cg10085824	rs806735	T	C	0.192	0.029	0.196	7.02E-11	0.000	0.003	0.956	0.011	42.492	TRUE	9.86E-11
FVC	AP1G1	cg10085824	rs9940728	A	C	0.152	0.024	0.481	1.26E-10	0.002	0.002	0.510	0.011	41.347	TRUE	2.55E-10
FVC	AP1G1	cg10407113	rs9932707	C	A	0.184	0.023	0.455	3.52E-15	0.002	0.002	0.455	0.016	61.917	TRUE	1.01E-14
FVC	AP1G1	cg13701124	rs35981926	T	A	0.234	0.034	0.131	8.85E-12	-0.008	0.004	0.020	0.012	46.542	TRUE	5.56E-11
FVC	AP1M1	cg00754063	rs431508	C	T	-0.304	0.027	0.237	8.98E-29	-0.006	0.003	0.020	0.032	123.806	TRUE	3.83E-27
FVC	AP1M1	cg02415661	rs12976737	A	G	-0.200	0.026	0.272	2.64E-14	-0.004	0.003	0.142	0.015	57.953	TRUE	1.20E-13
FVC	AP1M1	cg02415661	rs62125984	T	C	-0.396	0.071	0.071	2.99E-08	0.001	0.004	0.895	0.008	30.696	TRUE	3.95E-08
FVC	AP1M1	cg06620210	rs7252867	T	C	0.257	0.042	0.083	7.20E-10	-0.008	0.004	0.064	0.010	37.946	TRUE	2.84E-09
FVC	AP1M1	cg08248297	rs11671078	G	A	-0.166	0.027	0.268	4.25E-10	-0.005	0.003	0.085	0.010	38.976	TRUE	1.57E-09
FVC	AP1M1	cg08248297	rs2241399	G	T	0.216	0.034	0.142	2.35E-10	0.001	0.003	0.846	0.011	40.131	TRUE	3.52E-10
FVC	AP1M1	cg08248297	rs56195296	A	G	1.147	0.040	0.083	1.01E-180	-0.008	0.004	0.059	0.182	821.308	TRUE	4.90E-165
FVC	AP1M1	cg23398886	rs117103057	A	C	1.325	0.150	0.011	1.18E-18	-0.012	0.009	0.184	0.021	77.697	TRUE	6.96E-18
FVC	AP1M1	cg23398886	rs56269783	A	G	0.204	0.033	0.150	6.32E-10	-0.003	0.003	0.312	0.010	38.200	TRUE	1.52E-09
FVC	AP1M1	cg23677833	rs751403	A	G	-0.481	0.042	0.083	3.89E-30	-0.008	0.004	0.055	0.034	130.031	TRUE	1.26E-28
FVC	AP1M2	cg01562385	rs12609501	G	T	0.288	0.025	0.294	8.29E-31	0.003	0.003	0.312	0.035	133.100	TRUE	1.10E-29
FVC	AP1M2	cg01562385	rs34516961	G	A	0.223	0.031	0.158	1.27E-12	0.004	0.003	0.179	0.013	50.342	TRUE	4.61E-12
FVC	AP1M2	cg01562385	rs7252007	T	C	-0.238	0.033	0.145	9.34E-13	0.000	0.003	0.959	0.014	50.951	TRUE	1.42E-12

FVC	AP1M2	cg01654627	rs78671428	T	G	-0.451	0.041	0.082	8.23E-28	0.006	0.004	0.169	0.031	119.413	TRUE	1.15E-26
FVC	AP1M2	cg07434260	rs10409805	C	A	0.264	0.031	0.188	7.04E-18	-0.008	0.003	0.006	0.020	74.164	TRUE	1.25E-16
FVC	AP1M2	cg07434260	rs10411063	A	G	-0.424	0.033	0.144	7.09E-37	0.000	0.003	0.925	0.042	160.842	TRUE	5.50E-36
FVC	AP1M2	cg07434260	rs11085734	A	G	0.141	0.024	0.498	2.39E-09	-0.001	0.002	0.622	0.010	35.611	TRUE	4.05E-09
FVC	AP1M2	cg07434260	rs114238717	T	C	0.395	0.069	0.028	1.03E-08	0.005	0.007	0.410	0.009	32.757	TRUE	2.03E-08
FVC	AP1M2	cg07434260	rs147622113	T	C	-0.419	0.073	0.029	8.70E-09	0.006	0.007	0.391	0.009	33.094	TRUE	1.75E-08
FVC	AP1M2	cg07434260	rs28600132	G	T	0.173	0.024	0.396	1.25E-12	0.009	0.002	3.42E-04	0.013	50.382	TRUE	2.01E-11
FVC	AP1M2	cg07434260	rs4804540	A	T	0.233	0.035	0.121	4.81E-11	0.000	0.004	0.902	0.012	43.230	TRUE	7.00E-11
FVC	AP1M2	cg07434260	rs59614858	T	G	-0.324	0.051	0.053	2.81E-10	0.003	0.005	0.529	0.011	39.783	TRUE	5.41E-10
FVC	AP1M2	cg07434260	rs7258256	G	A	0.346	0.025	0.296	5.47E-44	0.003	0.003	0.235	0.050	193.396	TRUE	3.36E-42
FVC	AP1M2	cg07434260	rs78256348	T	C	-0.249	0.030	0.199	3.93E-17	0.004	0.003	0.219	0.019	70.772	TRUE	1.90E-16
FVC	AP1M2	cg08148553	rs10408934	A	G	-0.269	0.031	0.165	1.02E-17	0.000	0.003	0.995	0.019	73.440	TRUE	1.88E-17
FVC	AP1M2	cg08148553	rs10411063	A	G	-0.488	0.033	0.144	1.13E-48	0.000	0.003	0.925	0.055	214.851	TRUE	2.80E-47
FVC	AP1M2	cg08148553	rs11085734	A	G	0.161	0.024	0.498	7.68E-12	-0.001	0.002	0.622	0.012	46.820	TRUE	1.50E-11
FVC	AP1M2	cg08148553	rs12609501	G	T	0.516	0.025	0.294	2.08E-97	0.003	0.003	0.312	0.106	438.462	TRUE	4.66E-92
FVC	AP1M2	cg08148553	rs150696463	T	C	0.438	0.068	0.030	1.50E-10	0.005	0.007	0.491	0.011	41.007	TRUE	3.06E-10
FVC	AP1M2	cg08148553	rs1821280	A	G	0.216	0.030	0.192	1.16E-12	-0.007	0.003	0.015	0.013	50.529	TRUE	8.54E-12
FVC	AP1M2	cg08148553	rs34516961	G	A	0.325	0.032	0.158	5.76E-25	0.004	0.003	0.179	0.028	106.434	TRUE	6.07E-24
FVC	AP1M2	cg08148553	rs3786717	C	T	-0.146	0.023	0.437	3.56E-10	0.005	0.002	0.031	0.011	39.320	TRUE	1.67E-09
FVC	AP1M2	cg08148553	rs73496568	A	C	-0.280	0.029	0.203	1.30E-21	0.004	0.003	0.225	0.024	91.147	TRUE	9.16E-21
FVC	AP1M2	cg08148553	rs73500697	A	G	-0.303	0.050	0.055	1.73E-09	0.002	0.005	0.694	0.010	36.237	TRUE	2.80E-09
FVC	AP1M2	cg11657665	rs12985734	G	A	-0.289	0.025	0.294	9.64E-31	0.002	0.003	0.356	0.035	132.800	TRUE	1.12E-29
FVC	AP1M2	cg11657665	rs187371841	T	C	-0.516	0.040	0.088	8.63E-38	0.007	0.004	0.111	0.043	165.026	TRUE	4.47E-36
FVC	AP1M2	cg11657665	rs34883264	T	A	-0.153	0.025	0.324	6.02E-10	0.001	0.003	0.646	0.010	38.293	TRUE	1.05E-09
FVC	AP1M2	cg11657665	rs35769432	A	G	0.572	0.030	0.192	3.85E-82	-0.007	0.003	0.014	0.091	368.361	TRUE	6.10E-77
FVC	AP1M2	cg11657665	rs76186695	T	G	0.269	0.030	0.195	1.01E-19	0.005	0.003	0.078	0.022	82.543	TRUE	9.30E-19
FVC	AP1M2	cg11657665	rs77357022	A	G	-0.290	0.043	0.074	2.54E-11	0.002	0.004	0.657	0.012	44.475	TRUE	4.64E-11
FVC	AP1M2	cg14985481	rs12985734	G	A	0.149	0.025	0.294	1.75E-09	0.002	0.003	0.356	0.010	36.210	TRUE	3.83E-09
FVC	AP1M2	cg14985481	rs4804509	G	A	-0.306	0.030	0.188	2.63E-24	-0.009	0.003	0.004	0.027	103.422	TRUE	1.08E-22
FVC	AP1M2	cg15555932	rs10411063	A	G	-0.618	0.033	0.144	2.08E-78	0.000	0.003	0.925	0.087	351.226	TRUE	2.71E-75
FVC	AP1M2	cg15555932	rs10422687	G	C	0.350	0.031	0.187	2.57E-30	-0.009	0.003	0.004	0.034	130.855	TRUE	2.24E-28
FVC	AP1M2	cg15555932	rs11085734	A	G	0.174	0.024	0.498	1.38E-13	-0.001	0.002	0.622	0.015	54.697	TRUE	2.99E-13
FVC	AP1M2	cg15555932	rs11671812	T	C	-0.434	0.055	0.044	2.38E-15	0.005	0.005	0.385	0.017	62.687	TRUE	7.56E-15
FVC	AP1M2	cg15555932	rs12609501	G	T	0.533	0.025	0.294	6.65E-105	0.003	0.003	0.312	0.113	472.882	TRUE	6.84E-99
FVC	AP1M2	cg15555932	rs12710257	A	G	-0.207	0.028	0.219	2.91E-13	0.006	0.003	0.024	0.014	53.236	TRUE	2.02E-12
FVC	AP1M2	cg15555932	rs147622113	T	C	-0.428	0.073	0.029	4.32E-09	0.006	0.007	0.391	0.009	34.455	TRUE	8.89E-09
FVC	AP1M2	cg15555932	rs150696463	T	C	0.571	0.068	0.030	5.85E-17	0.005	0.007	0.491	0.019	69.990	TRUE	1.81E-16
FVC	AP1M2	cg15555932	rs1799898	T	C	0.211	0.034	0.137	3.74E-10	0.001	0.004	0.770	0.010	39.222	TRUE	5.83E-10
FVC	AP1M2	cg15555932	rs34516961	G	A	0.349	0.031	0.158	1.34E-28	0.004	0.003	0.179	0.032	123.012	TRUE	2.00E-27
FVC	AP1M2	cg15555932	rs3745255	A	G	-0.288	0.025	0.340	1.72E-30	0.001	0.003	0.821	0.034	131.651	TRUE	9.31E-30
FVC	AP1M2	cg15555932	rs4804521	A	G	-0.513	0.080	0.021	1.69E-10	0.005	0.008	0.538	0.011	40.769	TRUE	3.30E-10
FVC	AP1M2	cg16589555	rs12710256	C	T	-0.395	0.052	0.059	2.68E-14	-0.011	0.005	0.030	0.015	57.924	TRUE	2.05E-13

FVC	AP1M2	cg23652172	rs8113212	A	G	-0.157	0.026	0.261	1.63E-09	0.006	0.003	0.024	0.010	36.353	TRUE	7.54E-09
FVC	AP1M2	cg26292442	rs7248205	C	T	0.136	0.024	0.400	1.36E-08	0.009	0.002	1.26E-04	0.009	32.231	TRUE	1.32E-07
FVC	AP1M2	cg26999505	rs12978228	T	G	-0.394	0.030	0.188	2.47E-39	-0.008	0.003	0.006	0.044	172.087	TRUE	6.26E-37
FVC	AP1M2	cg26999505	rs12985008	T	C	0.136	0.025	0.290	4.39E-08	0.003	0.003	0.238	0.008	29.953	TRUE	9.86E-08
FVC	AP1M2	cg27104822	rs10411063	A	G	-0.289	0.033	0.144	5.18E-18	0.000	0.003	0.925	0.020	74.770	TRUE	1.04E-17
FVC	AP1M2	cg27104822	rs12976824	G	A	0.327	0.025	0.294	2.66E-39	0.003	0.003	0.289	0.044	171.940	TRUE	8.80E-38
FVC	AP1M2	cg27104822	rs28600132	G	T	0.155	0.024	0.396	1.89E-10	0.009	0.002	3.42E-04	0.011	40.558	TRUE	2.18E-09
FVC	AP1M2	cg27104822	rs56135394	A	T	0.264	0.036	0.121	1.28E-13	0.003	0.004	0.404	0.015	54.848	TRUE	3.52E-13
FVC	AP3B1	cg05620865	rs6453381	T	C	-0.265	0.025	0.293	1.89E-26	0.010	0.003	1.01E-04	0.030	113.206	TRUE	3.07E-24
FVC	AP3B1	cg06844454	rs10041079	A	T	-0.199	0.025	0.312	3.72E-15	0.007	0.003	0.003	0.016	61.809	TRUE	5.49E-14
FVC	AP3B1	cg08976646	rs13185314	T	G	-0.159	0.023	0.495	1.39E-11	0.015	0.002	1.85E-10	0.012	45.665	TRUE	9.73E-10
FVC	AP3B1	cg08976646	rs13186263	C	G	-0.195	0.031	0.178	1.86E-10	0.006	0.003	0.070	0.011	40.585	TRUE	7.46E-10
FVC	AP3B1	cg11100795	rs10474528	G	T	0.624	0.114	0.011	3.94E-08	0.008	0.008	0.369	0.008	30.165	TRUE	7.77E-08
FVC	AP3B1	cg11100795	rs10514134	A	T	0.230	0.036	0.121	2.20E-10	0.003	0.004	0.471	0.011	40.260	TRUE	4.48E-10
FVC	AP3B1	cg11100795	rs113399409	C	A	0.960	0.146	0.013	5.17E-11	0.010	0.011	0.369	0.012	43.089	TRUE	1.24E-10
FVC	AP3B1	cg11100795	rs116646778	C	T	-0.867	0.146	0.017	2.75E-09	0.000	0.007	0.996	0.009	35.337	TRUE	3.48E-09
FVC	AP3B1	cg11100795	rs13158128	A	G	-0.988	0.022	0.262	<1E-200	0.008	0.003	0.003	0.358	2065.599	TRUE	<1E-200
FVC	AP3B1	cg11100795	rs13436862	G	A	-0.749	0.117	0.023	1.35E-10	0.024	0.008	0.005	0.011	41.219	TRUE	1.00E-09
FVC	AP3B1	cg11100795	rs2288391	G	C	-0.529	0.069	0.030	1.43E-14	0.004	0.007	0.530	0.016	59.164	TRUE	3.58E-14
FVC	AP3B1	cg11100795	rs252797	G	T	0.265	0.036	0.120	2.10E-13	0.007	0.004	0.056	0.014	53.880	TRUE	1.20E-12
FVC	AP3B1	cg11100795	rs34341923	C	G	-0.655	0.097	0.016	1.20E-11	0.017	0.009	0.075	0.012	45.953	TRUE	5.28E-11
FVC	AP3B1	cg11100795	rs4551047	T	C	0.355	0.023	0.459	1.93E-52	-0.003	0.002	0.213	0.059	232.123	TRUE	3.62E-50
FVC	AP3B1	cg11100795	rs4613678	A	T	-0.898	0.072	0.031	2.16E-35	0.017	0.007	0.017	0.040	154.055	TRUE	2.17E-33
FVC	AP3B1	cg11100795	rs56225756	T	C	-0.166	0.024	0.483	3.30E-12	0.000	0.002	0.984	0.013	48.476	TRUE	4.69E-12
FVC	AP3B1	cg11100795	rs57400528	A	T	0.344	0.027	0.252	1.24E-36	-0.015	0.003	1.75E-08	0.041	159.728	TRUE	6.98E-33
FVC	AP3B1	cg11100795	rs68052233	A	G	0.372	0.028	0.215	1.36E-39	0.000	0.003	0.991	0.045	173.281	TRUE	1.20E-38
FVC	AP3B1	cg11100795	rs6878181	G	A	-0.190	0.034	0.353	2.38E-08	0.007	0.003	0.006	0.008	31.139	TRUE	1.28E-07
FVC	AP3B1	cg11100795	rs71634916	C	T	-0.795	0.079	0.020	1.28E-23	0.000	0.010	0.977	0.026	100.297	TRUE	3.41E-23
FVC	AP3B1	cg11100795	rs9293744	C	T	-0.313	0.025	0.317	6.97E-36	0.006	0.003	0.013	0.041	156.303	TRUE	8.70E-34
FVC	AP3B1	cg26158634	rs10474528	G	T	-0.645	0.114	0.011	1.36E-08	0.008	0.008	0.369	0.009	32.226	TRUE	2.77E-08
FVC	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	0.010	0.007	0.157	0.014	53.476	TRUE	1.04E-12
FVC	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	0.001	0.002	0.597	0.014	51.210	TRUE	1.74E-12
FVC	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	0.000	0.002	0.933	0.017	65.306	TRUE	1.13E-15
FVC	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	0.002	0.007	0.828	0.014	51.552	TRUE	1.17E-12
FVC	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	0.020	0.004	4.25E-07	0.024	92.082	TRUE	1.87E-19
FVC	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	0.008	0.003	0.004	0.009	33.796	TRUE	3.78E-08
FVC	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	0.012	0.006	0.066	0.011	42.261	TRUE	3.38E-10
FVC	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	-0.005	0.006	0.390	0.014	52.151	TRUE	1.35E-12
FVC	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	0.008	0.003	0.005	0.010	37.052	TRUE	7.46E-09
FVC	AP3B2	cg14907737	rs7181761	G	A	-0.137	0.024	0.369	2.16E-08	0.002	0.003	0.467	0.008	31.325	TRUE	3.94E-08
FVC	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	-0.002	0.009	0.863	0.037	142.831	TRUE	3.78E-32
FVC	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	-0.005	0.007	0.513	0.025	93.851	TRUE	1.44E-21

FVC	AP3B2	cg18253757	rs4513065	G	C	0.174	0.030	0.198	4.93E-09	0.008	0.003	0.006	0.009	34.197	TRUE	2.81E-08
FVC	AP3B2	cg18253757	rs62009945	A	T	-0.145	0.025	0.309	1.07E-08	-0.004	0.003	0.093	0.009	32.690	TRUE	3.32E-08
FVC	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	0.011	0.003	1.28E-04	0.008	29.857	TRUE	3.95E-07
FVC	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	0.000	0.002	0.933	0.015	56.581	TRUE	8.68E-14
FVC	AP3B2	cg20194856	rs4513065	G	C	0.197	0.029	0.198	2.53E-11	0.008	0.003	0.006	0.012	44.483	TRUE	1.93E-10
FVC	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	-0.008	0.003	0.005	0.008	29.766	TRUE	2.56E-07
FVC	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	0.009	0.003	0.003	0.017	62.195	TRUE	4.69E-14
FVC	AP3B2	cg21071896	rs12902742	A	T	0.442	0.043	0.082	2.99E-25	0.010	0.004	0.024	0.028	107.728	TRUE	8.09E-24
FVC	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	0.006	0.010	0.569	0.113	469.497	TRUE	1.25E-98
FVC	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	-0.004	0.006	0.569	0.021	79.528	TRUE	1.50E-18
FVC	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	0.012	0.003	1.53E-05	0.010	36.068	TRUE	2.87E-08
FVC	AP3B2	cg21071896	rs7184045	C	G	0.231	0.025	0.340	1.72E-20	0.007	0.003	0.010	0.023	86.038	TRUE	3.63E-19
FVC	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	0.002	0.004	0.702	0.016	59.989	TRUE	1.99E-14
FVC	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	0.009	0.003	0.003	0.013	48.151	TRUE	3.99E-11
FVC	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	0.008	0.003	0.007	0.018	67.773	TRUE	2.63E-15
FVC	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	-0.010	0.003	3.04E-04	0.013	47.149	TRUE	9.21E-11
FVC	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	0.009	0.003	0.003	0.020	74.575	TRUE	1.24E-16
FVC	AP3D1	cg09261902	rs2238599	C	T	-0.571	0.022	0.498	2.54E-142	0.008	0.002	6.49E-04	0.148	644.796	TRUE	5.44E-130
FVC	AP3D1	cg09261902	rs58491369	T	C	-0.275	0.030	0.184	1.39E-19	0.002	0.003	0.545	0.022	81.918	TRUE	4.76E-19
FVC	AP3D1	cg09261902	rs74984359	A	G	0.898	0.058	0.040	3.75E-54	0.002	0.006	0.731	0.061	239.965	TRUE	2.48E-52
FVC	AP3D1	cg09548694	rs35500266	T	C	-0.184	0.024	0.428	9.80E-15	-0.008	0.002	3.85E-04	0.016	59.903	TRUE	2.02E-13
FVC	AP3D1	cg09548694	rs73516521	C	T	0.218	0.034	0.127	2.66E-10	0.001	0.003	0.814	0.011	39.887	TRUE	4.05E-10
FVC	AP3D1	cg09548694	rs75483641	T	C	0.495	0.031	0.161	1.20E-55	0.003	0.003	0.423	0.063	246.814	TRUE	1.91E-53
FVC	AP3D1	cg10746224	rs2240130	A	G	-0.248	0.036	0.257	9.68E-12	-0.005	0.003	0.045	0.012	46.367	TRUE	5.10E-11
FVC	AP3D1	cg10746224	rs73916852	A	G	-0.930	0.099	0.013	3.84E-21	0.000	0.010	0.987	0.023	89.007	TRUE	8.71E-21
FVC	AP3D1	cg11349093	rs79847850	C	T	-0.219	0.031	0.167	3.51E-12	0.003	0.003	0.298	0.013	48.356	TRUE	1.02E-11
FVC	AP3D1	cg17656426	rs11671102	C	G	-0.179	0.026	0.293	4.81E-12	0.005	0.003	0.058	0.013	47.736	TRUE	2.43E-11
FVC	AP3D1	cg17656426	rs4807216	C	T	-0.219	0.033	0.140	3.37E-11	0.013	0.003	9.28E-05	0.012	43.928	TRUE	5.23E-10
FVC	AP3D1	cg17656426	rs62128400	A	G	0.565	0.023	0.429	8.87E-133	-0.009	0.002	1.80E-04	0.140	600.945	TRUE	2.27E-121
FVC	AP3D1	cg17656426	rs73516521	C	T	-0.196	0.035	0.127	1.46E-08	0.001	0.003	0.814	0.009	32.087	TRUE	2.06E-08
FVC	AP3D1	cg17656426	rs75223679	A	G	-0.276	0.032	0.168	2.07E-18	0.003	0.003	0.291	0.020	76.579	TRUE	9.66E-18
FVC	AP3D1	cg17656426	rs886449	A	G	-0.223	0.029	0.205	2.85E-14	-0.003	0.003	0.307	0.015	57.801	TRUE	9.23E-14
FVC	AP3D1	cg19290738	rs10418405	C	G	-0.278	0.030	0.180	6.56E-20	0.003	0.003	0.415	0.022	83.397	TRUE	2.82E-19
FVC	AP3D1	cg19290738	rs112415544	A	G	-0.527	0.093	0.014	1.65E-08	-0.002	0.010	0.813	0.009	31.851	TRUE	2.32E-08
FVC	AP3D1	cg19290738	rs117473937	A	G	0.739	0.128	0.018	7.00E-09	-0.004	0.010	0.704	0.009	33.516	TRUE	1.08E-08
FVC	AP3D1	cg19290738	rs2523178	A	G	-0.278	0.026	0.290	3.59E-27	0.005	0.003	0.039	0.031	116.496	TRUE	9.81E-26
FVC	AP3D1	cg19290738	rs7245402	A	G	-0.156	0.025	0.328	4.59E-10	0.003	0.003	0.201	0.010	38.825	TRUE	1.28E-09
FVC	AP3D1	cg19290738	rs73512109	A	G	0.241	0.044	0.080	4.00E-08	-0.001	0.004	0.886	0.008	30.132	TRUE	5.24E-08
FVC	AP3D1	cg19290738	rs73516521	C	T	-0.296	0.034	0.127	9.22E-18	0.001	0.003	0.814	0.020	73.632	TRUE	2.07E-17
FVC	AP3D1	cg19290738	rs74521370	A	G	0.646	0.096	0.019	1.57E-11	0.000	0.008	0.965	0.012	45.424	TRUE	2.24E-11
FVC	AP3D1	cg19290738	rs75223679	A	G	-0.563	0.031	0.168	4.22E-74	0.003	0.003	0.291	0.082	331.465	TRUE	1.49E-70
FVC	AP3D1	cg19290738	rs757595	T	C	-0.472	0.041	0.080	3.78E-30	0.016	0.004	1.71E-04	0.034	130.090	TRUE	8.42E-28

FVC	AP3D1	cg19290738	rs758287	C	T	0.904	0.018	0.428	<1E-200	-0.008	0.002	6.56E-04	0.393	2392.083	TRUE	<1E-200
FVC	AP3D1	cg19290738	rs886449	A	G	-0.560	0.029	0.205	2.84E-85	-0.003	0.003	0.307	0.094	382.739	TRUE	6.02E-81
FVC	AP3D1	cg21414902	rs2018890	G	A	-0.169	0.023	0.428	6.74E-13	-0.009	0.002	1.81E-04	0.014	51.591	TRUE	1.22E-11
FVC	AP3D1	cg22598241	rs2238612	T	C	0.383	0.023	0.499	1.71E-62	0.008	0.002	5.77E-04	0.070	278.205	TRUE	4.69E-58
FVC	AP3D1	cg22598241	rs58491369	T	C	0.193	0.030	0.184	2.02E-10	0.002	0.003	0.545	0.011	40.423	TRUE	3.88E-10
FVC	AP3D1	cg22598241	rs77671679	T	C	-1.273	0.060	0.035	1.60E-101	0.005	0.006	0.371	0.110	457.351	TRUE	5.98E-96
FVC	AP3D1	cg24185130	rs12608586	T	G	-0.545	0.091	0.014	2.40E-09	-0.002	0.010	0.870	0.010	35.596	TRUE	3.36E-09
FVC	AP3D1	cg24185130	rs12609225	G	A	-0.565	0.027	0.234	3.43E-94	0.001	0.003	0.821	0.103	423.685	TRUE	8.38E-90
FVC	AP3D1	cg24185130	rs7246186	A	G	-0.169	0.024	0.375	3.99E-12	0.008	0.003	0.001	0.013	48.101	TRUE	4.42E-11
FVC	AP3D1	cg27089789	rs1106861	A	G	-1.486	0.060	0.035	7.30E-135	0.005	0.006	0.372	0.142	610.522	TRUE	5.31E-126
FVC	AP3D1	cg27089789	rs2238612	T	C	0.137	0.023	0.499	4.38E-09	0.008	0.002	5.77E-04	0.009	34.430	TRUE	3.93E-08
FVC	AP4E1	cg02338191	rs10519289	T	C	0.279	0.028	0.210	6.36E-24	0.009	0.003	0.002	0.027	101.675	TRUE	2.92E-22
FVC	AP4E1	cg05389038	rs12442028	C	T	0.315	0.040	0.093	3.37E-15	0.000	0.004	0.981	0.016	62.007	TRUE	5.58E-15
FVC	AP4E1	cg05389038	rs12708423	G	A	-0.431	0.069	0.027	4.03E-10	-0.003	0.007	0.680	0.010	39.079	TRUE	6.75E-10
FVC	AP4E1	cg05389038	rs142069683	T	A	0.468	0.033	0.146	4.18E-45	0.001	0.003	0.818	0.051	198.514	TRUE	8.62E-44
FVC	AP4E1	cg05389038	rs146676154	C	T	-0.402	0.068	0.029	2.98E-09	0.006	0.007	0.339	0.009	35.180	TRUE	6.53E-09
FVC	AP4E1	cg05389038	rs149451788	C	T	0.383	0.057	0.045	2.22E-11	-0.005	0.006	0.381	0.012	44.740	TRUE	5.35E-11
FVC	AP4E1	cg05389038	rs150018499	A	T	0.574	0.096	0.015	2.47E-09	-0.001	0.010	0.942	0.010	35.545	TRUE	3.26E-09
FVC	AP4E1	cg05389038	rs17523880	A	C	0.198	0.034	0.135	4.29E-09	-0.008	0.003	0.016	0.009	34.468	TRUE	2.12E-08
FVC	AP4E1	cg05389038	rs17599340	C	T	0.356	0.029	0.203	5.61E-34	-0.009	0.003	0.001	0.038	147.588	TRUE	1.20E-31
FVC	AP4E1	cg05389038	rs17599663	C	G	-0.538	0.065	0.030	8.30E-17	0.013	0.006	0.039	0.018	69.300	TRUE	7.59E-16
FVC	AP4E1	cg05389038	rs2445749	T	C	-0.170	0.026	0.313	3.92E-11	0.006	0.003	0.022	0.012	43.630	TRUE	2.31E-10
FVC	AP4E1	cg05389038	rs28621809	T	C	-0.805	0.020	0.431	<1E-200	0.011	0.002	4.68E-06	0.304	1612.059	TRUE	5.39E-301
FVC	AP4E1	cg05389038	rs28757162	A	G	-0.349	0.040	0.095	1.10E-18	0.008	0.004	0.051	0.021	77.822	TRUE	1.10E-17
FVC	AP4E1	cg05389038	rs55946545	C	T	0.278	0.050	0.060	3.72E-08	-0.003	0.005	0.570	0.008	30.271	TRUE	6.12E-08
FVC	AP4E1	cg05389038	rs56396299	T	G	-0.323	0.031	0.176	3.17E-25	-0.001	0.003	0.695	0.028	107.615	TRUE	1.34E-24
FVC	AP4E1	cg05389038	rs59415822	C	T	-0.190	0.024	0.403	1.01E-15	-0.006	0.002	0.009	0.017	64.382	TRUE	1.20E-14
FVC	AP4E1	cg05389038	rs62018844	G	A	0.454	0.051	0.058	6.58E-19	-0.018	0.005	3.34E-04	0.021	78.844	TRUE	2.63E-17
FVC	AP4E1	cg05389038	rs648381	C	T	0.406	0.036	0.115	3.39E-29	-0.005	0.004	0.198	0.033	125.740	TRUE	5.10E-28
FVC	AP4E1	cg05389038	rs72727118	T	A	-0.443	0.076	0.024	5.29E-09	-0.003	0.007	0.647	0.009	34.060	TRUE	8.59E-09
FVC	AP4E1	cg05389038	rs78196407	G	T	-0.385	0.053	0.058	2.35E-13	0.005	0.005	0.357	0.014	53.658	TRUE	6.74E-13
FVC	AP4E1	cg05389038	rs78376852	G	A	0.187	0.032	0.148	6.56E-09	-0.010	0.003	0.002	0.009	33.642	TRUE	4.63E-08
FVC	AP4E1	cg05389038	rs79469565	T	C	-0.278	0.050	0.105	3.20E-08	0.001	0.004	0.860	0.008	30.569	TRUE	4.30E-08
FVC	AP4E1	cg05389038	rs8025206	C	T	-0.314	0.024	0.386	5.76E-40	0.009	0.008	0.298	0.045	174.984	TRUE	1.96E-38
FVC	AP4E1	cg05389038	rs882299	G	A	-0.488	0.050	0.059	1.03E-22	0.009	0.005	0.085	0.025	96.166	TRUE	1.27E-21
FVC	AP4E1	cg05389038	rs9972359	C	T	-0.216	0.024	0.417	1.54E-19	0.006	0.002	0.009	0.022	81.705	TRUE	2.77E-18
FVC	AP4E1	cg09951650	rs10775143	C	T	-0.135	0.023	0.425	7.71E-09	-0.006	0.002	0.012	0.009	33.329	TRUE	3.84E-08
FVC	AP4E1	cg09951650	rs111775104	T	A	0.485	0.086	0.047	1.72E-08	0.015	0.007	0.025	0.009	31.771	TRUE	7.15E-08
FVC	AP4E1	cg09951650	rs11857513	A	G	0.398	0.070	0.026	1.16E-08	-0.004	0.007	0.614	0.009	32.528	TRUE	1.91E-08
FVC	AP4E1	cg09951650	rs6493470	A	G	0.384	0.028	0.210	4.08E-44	0.009	0.003	0.002	0.050	193.980	TRUE	2.95E-41
FVC	AP4E1	cg21246271	rs12595627	T	C	0.138	0.024	0.343	1.08E-08	0.011	0.002	3.02E-06	0.009	32.672	TRUE	1.73E-07
FVC	AP4E1	cg21246271	rs2614793	A	G	-0.282	0.027	0.234	7.92E-26	0.005	0.003	0.088	0.029	110.362	TRUE	1.26E-24

FVC	ARRB2	cg00122941	rs11078528	A	G	-0.201	0.026	0.283	6.66E-15	-0.001	0.003	0.849	0.016	60.663	TRUE	1.23E-14
FVC	ARRB2	cg00122941	rs11568148	T	C	0.822	0.127	0.022	9.32E-11	-0.007	0.009	0.442	0.011	41.937	TRUE	2.02E-10
FVC	ARRB2	cg00122941	rs12150491	C	T	-0.190	0.033	0.357	9.28E-09	-0.004	0.003	0.157	0.009	32.968	TRUE	2.52E-08
FVC	ARRB2	cg00122941	rs12450565	T	C	0.201	0.029	0.212	2.12E-12	0.003	0.003	0.389	0.013	49.342	TRUE	5.45E-12
FVC	ARRB2	cg00122941	rs17765093	T	C	0.264	0.026	0.284	2.87E-24	0.005	0.003	0.090	0.027	103.253	TRUE	4.11E-23
FVC	ARRB2	cg00122941	rs34230287	T	C	0.744	0.026	0.240	2.03E-174	0.007	0.003	0.008	0.176	792.326	TRUE	9.48E-159
FVC	ARRB2	cg02286380	rs11078528	A	G	0.261	0.026	0.283	3.20E-24	-0.001	0.003	0.849	0.027	103.035	TRUE	1.04E-23
FVC	ARRB2	cg02286380	rs11568061	A	G	-0.934	0.023	0.245	<1E-200	0.007	0.003	0.007	0.301	1590.258	TRUE	4.66E-300
FVC	ARRB2	cg02286380	rs11568148	T	C	-0.762	0.127	0.022	2.01E-09	-0.007	0.009	0.442	0.010	35.942	TRUE	4.02E-09
FVC	ARRB2	cg02286380	rs12150153	T	C	-0.192	0.031	0.177	4.28E-10	0.001	0.003	0.649	0.010	38.958	TRUE	7.43E-10
FVC	ARRB2	cg02286380	rs12150491	C	T	0.206	0.033	0.357	5.46E-10	-0.004	0.003	0.157	0.010	38.486	TRUE	1.64E-09
FVC	ARRB2	cg02286380	rs12450540	A	C	0.216	0.038	0.410	1.05E-08	0.000	0.003	0.986	0.009	32.734	TRUE	1.30E-08
FVC	ARRB2	cg02286380	rs12450565	T	C	-0.239	0.029	0.212	6.37E-17	0.003	0.003	0.389	0.019	69.822	TRUE	2.25E-16
FVC	ARRB2	cg02286380	rs17765093	T	C	-0.316	0.026	0.284	3.79E-34	0.005	0.003	0.090	0.039	148.368	TRUE	1.54E-32
FVC	ARRB2	cg02286380	rs1876444	T	C	-0.273	0.023	0.465	7.77E-32	-0.001	0.002	0.604	0.036	137.797	TRUE	6.42E-31
FVC	ARRB2	cg02286380	rs4790222	T	A	0.381	0.046	0.070	1.07E-16	-0.012	0.004	0.007	0.018	68.802	TRUE	1.56E-15
FVC	ARRB2	cg02286380	rs7221871	A	G	0.180	0.024	0.347	1.46E-13	0.000	0.002	0.967	0.015	54.594	TRUE	2.27E-13
FVC	ARRB2	cg02286380	rs77627231	T	C	0.249	0.044	0.152	1.93E-08	-0.002	0.003	0.535	0.008	31.546	TRUE	3.32E-08
FVC	ARRB2	cg07971820	rs11078528	A	G	0.216	0.026	0.283	5.38E-17	-0.001	0.003	0.849	0.019	70.154	TRUE	1.12E-16
FVC	ARRB2	cg07971820	rs12450565	T	C	-0.186	0.029	0.212	8.35E-11	0.003	0.003	0.389	0.011	42.151	TRUE	1.93E-10
FVC	ARRB2	cg07971820	rs28365158	C	T	-0.815	0.026	0.241	2.24E-214	0.007	0.003	0.010	0.209	976.028	TRUE	8.50E-193
FVC	ARRB2	cg07971820	rs35376679	T	A	0.299	0.044	0.080	8.71E-12	-0.012	0.004	0.007	0.012	46.574	TRUE	7.03E-11
FVC	ARRB2	cg07971820	rs4790224	A	G	-0.229	0.025	0.350	3.61E-20	0.004	0.003	0.124	0.022	84.579	TRUE	2.88E-19
FVC	ARRB2	cg07971820	rs7221871	A	G	0.139	0.024	0.347	1.21E-08	0.000	0.002	0.967	0.009	32.451	TRUE	1.54E-08
FVC	ARRB2	cg13466002	rs11078528	A	G	0.144	0.026	0.283	2.13E-08	-0.001	0.003	0.849	0.008	31.354	TRUE	2.91E-08
FVC	ARRB2	cg13466002	rs17765093	T	C	-0.158	0.026	0.284	1.09E-09	0.005	0.003	0.090	0.010	37.145	TRUE	3.86E-09
FVC	ARRB2	cg13466002	rs4522461	T	G	-0.471	0.027	0.241	1.97E-67	0.007	0.003	0.007	0.075	300.861	TRUE	3.49E-63
FVC	ARRB2	cg16472369	rs35376679	T	A	0.443	0.043	0.080	2.13E-24	-0.012	0.004	0.007	0.027	103.839	TRUE	7.80E-23
FVC	ARRB2	cg16472369	rs7210953	T	C	-0.360	0.027	0.247	3.25E-40	0.007	0.003	0.010	0.045	176.118	TRUE	7.80E-38
FVC	ARRB2	cg19197139	rs11078528	A	G	-0.222	0.026	0.283	6.35E-18	-0.001	0.003	0.849	0.020	74.369	TRUE	1.39E-17
FVC	ARRB2	cg19197139	rs11568148	T	C	1.035	0.126	0.022	2.60E-16	-0.007	0.009	0.442	0.018	67.053	TRUE	8.16E-16
FVC	ARRB2	cg19197139	rs12150153	T	C	0.174	0.031	0.177	1.41E-08	0.001	0.003	0.649	0.009	32.155	TRUE	2.26E-08
FVC	ARRB2	cg19197139	rs12150491	C	T	-0.229	0.033	0.357	3.57E-12	-0.004	0.003	0.157	0.013	48.320	TRUE	1.29E-11
FVC	ARRB2	cg19197139	rs12450565	T	C	0.203	0.028	0.212	1.03E-12	0.003	0.003	0.389	0.014	50.752	TRUE	2.71E-12
FVC	ARRB2	cg19197139	rs17765093	T	C	0.281	0.026	0.284	1.73E-27	0.005	0.003	0.090	0.031	117.941	TRUE	3.44E-26
FVC	ARRB2	cg19197139	rs17823987	C	A	-0.303	0.045	0.139	2.21E-11	0.000	0.003	0.933	0.012	44.753	TRUE	3.23E-11
FVC	ARRB2	cg19197139	rs2036655	A	G	-0.204	0.035	0.113	5.87E-09	0.003	0.004	0.357	0.009	33.857	TRUE	1.25E-08
FVC	ARRB2	cg19197139	rs34230287	T	C	0.912	0.026	0.240	3.62E-279	0.007	0.003	0.008	0.256	1273.976	TRUE	6.05E-246
FVC	ARRB2	cg19197139	rs7221871	A	G	-0.175	0.024	0.347	5.52E-13	0.000	0.002	0.967	0.014	51.981	TRUE	8.37E-13
FVC	ARRB2	cg19197139	rs8077825	G	A	-0.228	0.035	0.150	5.79E-11	-0.003	0.003	0.430	0.011	42.866	TRUE	1.29E-10
FVC	ARRB2	cg24831541	rs11078528	A	G	0.231	0.026	0.283	3.38E-19	-0.001	0.003	0.849	0.021	80.157	TRUE	7.97E-19
FVC	ARRB2	cg24831541	rs113609358	T	C	-0.577	0.056	0.049	5.99E-25	0.011	0.005	0.039	0.028	106.355	TRUE	1.28E-23

FVC	ARRB2	cg24831541	rs12450565	T	C	-0.187	0.029	0.212	6.99E-11	0.003	0.003	0.389	0.011	42.499	TRUE	1.62E-10
FVC	ARRB2	cg24831541	rs1986349	A	G	-0.146	0.023	0.466	4.00E-10	0.000	0.002	0.885	0.010	39.090	TRUE	5.65E-10
FVC	ARRB2	cg24831541	rs3744700	T	G	-0.198	0.024	0.363	4.99E-16	0.002	0.002	0.436	0.017	65.763	TRUE	1.57E-15
FVC	ARRB2	cg24831541	rs8071086	G	A	-0.739	0.025	0.297	5.73E-196	0.003	0.003	0.235	0.194	891.393	TRUE	5.79E-179
FVC	ARSB	cg01026730	rs10040592	G	A	0.473	0.041	0.088	2.63E-30	-0.006	0.004	0.198	0.034	130.807	TRUE	4.48E-29
FVC	ARSB	cg01026730	rs11747224	T	C	0.313	0.056	0.094	2.71E-08	-0.006	0.004	0.143	0.008	30.886	TRUE	7.31E-08
FVC	ARSB	cg01026730	rs12187584	C	A	-0.294	0.024	0.442	1.07E-35	0.006	0.002	0.009	0.040	155.442	TRUE	1.41E-33
FVC	ARSB	cg01026730	rs12655680	G	A	-0.233	0.024	0.464	1.18E-22	0.004	0.002	0.116	0.025	95.897	TRUE	1.21E-21
FVC	ARSB	cg01026730	rs163216	A	G	-0.763	0.021	0.446	1.18E-301	0.006	0.002	0.019	0.271	1377.400	TRUE	1.82E-264
FVC	ARSB	cg01026730	rs337847	G	A	0.348	0.041	0.085	9.33E-18	0.003	0.004	0.430	0.020	73.609	TRUE	3.34E-17
FVC	ARSB	cg01026730	rs612855	A	G	0.175	0.025	0.339	1.70E-12	-0.008	0.003	0.003	0.013	49.774	TRUE	1.83E-11
FVC	ARSB	cg01026730	rs62377898	A	G	-0.240	0.030	0.178	1.48E-15	0.000	0.003	0.911	0.017	63.627	TRUE	2.64E-15
FVC	ARSB	cg01026730	rs72762973	C	T	0.456	0.048	0.069	3.27E-21	-0.001	0.005	0.829	0.024	89.326	TRUE	8.90E-21
FVC	ARSB	cg01026730	rs75706611	C	G	0.335	0.053	0.052	2.37E-10	-0.003	0.005	0.594	0.011	40.117	TRUE	4.34E-10
FVC	ARSB	cg01026730	rs76684389	T	C	0.334	0.047	0.065	1.50E-12	-0.011	0.005	0.027	0.013	50.022	TRUE	9.72E-12
FVC	ARSB	cg01026730	rs80162951	T	C	-0.517	0.062	0.041	5.89E-17	0.010	0.006	0.087	0.019	69.975	TRUE	4.10E-16
FVC	ARSB	cg04677158	rs10462560	C	G	-0.320	0.024	0.370	3.65E-41	-0.005	0.002	0.058	0.047	180.466	TRUE	4.26E-39
FVC	ARSB	cg04677158	rs10514108	T	C	0.225	0.038	0.111	2.68E-09	-0.012	0.004	0.001	0.009	35.385	TRUE	2.06E-08
FVC	ARSB	cg04677158	rs11741305	A	G	0.177	0.029	0.212	1.12E-09	-0.002	0.003	0.429	0.010	37.089	TRUE	2.30E-09
FVC	ARSB	cg04677158	rs13190257	T	C	0.161	0.027	0.279	1.25E-09	-0.007	0.003	0.012	0.010	36.871	TRUE	6.79E-09
FVC	ARSB	cg04677158	rs1402684	T	G	0.407	0.026	0.276	3.69E-55	-0.003	0.003	0.202	0.062	244.581	TRUE	1.07E-52
FVC	ARSB	cg04677158	rs16876619	T	C	0.166	0.025	0.313	2.10E-11	-0.006	0.003	0.021	0.012	44.852	TRUE	1.31E-10
FVC	ARSB	cg04677158	rs3733890	A	G	-0.425	0.025	0.307	1.14E-63	-0.003	0.003	0.219	0.071	283.611	TRUE	1.05E-60
FVC	ARSB	cg04677158	rs4279321	G	A	0.248	0.039	0.093	2.45E-10	-0.001	0.004	0.750	0.011	40.048	TRUE	3.97E-10
FVC	ARSB	cg04677158	rs4571454	T	C	-0.180	0.025	0.319	5.65E-13	-0.002	0.003	0.409	0.014	51.938	TRUE	1.49E-12
FVC	ARSB	cg04677158	rs485142	G	A	-0.356	0.023	0.431	5.44E-52	0.005	0.002	0.054	0.059	230.057	TRUE	2.64E-49
FVC	ARSB	cg04677158	rs62377897	T	C	-1.029	0.026	0.175	<1E-200	0.000	0.003	0.905	0.303	1609.549	TRUE	2.41E-307
FVC	ARSB	cg04677158	rs72762996	T	C	0.343	0.041	0.096	2.48E-17	0.001	0.004	0.872	0.019	71.683	TRUE	5.08E-17
FVC	ARSB	cg04677158	rs9637824	G	A	-0.296	0.024	0.364	1.21E-34	-0.006	0.002	0.017	0.039	150.641	TRUE	1.14E-32
FVC	ARSB	cg07379703	rs1717570	G	A	0.139	0.024	0.419	5.16E-09	0.004	0.002	0.114	0.009	34.110	TRUE	1.58E-08
FVC	ARSB	cg08393937	rs10474577	A	G	0.387	0.025	0.308	6.43E-53	-0.003	0.003	0.285	0.060	234.309	TRUE	1.06E-50
FVC	ARSB	cg08393937	rs112001390	G	A	0.489	0.086	0.036	1.46E-08	-0.004	0.007	0.507	0.009	32.086	TRUE	2.59E-08
FVC	ARSB	cg08393937	rs12187584	C	A	-0.206	0.024	0.442	4.01E-18	0.006	0.002	0.009	0.020	75.278	TRUE	6.32E-17
FVC	ARSB	cg08393937	rs1402684	T	G	-0.439	0.026	0.276	2.61E-64	-0.003	0.003	0.202	0.072	286.539	TRUE	2.78E-61
FVC	ARSB	cg08393937	rs16876619	T	C	-0.172	0.025	0.313	4.47E-12	-0.006	0.003	0.021	0.013	47.882	TRUE	3.00E-11
FVC	ARSB	cg08393937	rs2445887	A	G	0.302	0.024	0.442	2.65E-37	0.000	0.002	0.924	0.042	162.799	TRUE	2.12E-36
FVC	ARSB	cg08393937	rs2547906	G	A	0.397	0.023	0.421	1.08E-64	0.005	0.002	0.058	0.072	288.306	TRUE	3.23E-61
FVC	ARSB	cg08393937	rs28376183	C	T	-0.268	0.024	0.464	1.50E-29	0.004	0.002	0.106	0.033	127.356	TRUE	3.17E-28
FVC	ARSB	cg08393937	rs336520	T	C	-0.300	0.038	0.108	3.13E-15	-0.003	0.004	0.491	0.017	62.149	TRUE	8.62E-15
FVC	ARSB	cg08393937	rs3857405	A	G	0.292	0.033	0.348	1.82E-18	0.001	0.003	0.623	0.020	76.831	TRUE	5.24E-18
FVC	ARSB	cg08393937	rs4279321	G	A	-0.292	0.039	0.093	8.99E-14	-0.001	0.004	0.750	0.015	55.547	TRUE	1.74E-13
FVC	ARSB	cg08393937	rs62377937	G	A	0.831	0.051	0.049	1.81E-59	-0.004	0.006	0.521	0.067	264.334	TRUE	3.72E-57

FVC	ARSB	cg08393937	rs72762996	T	C	-0.318	0.041	0.096	4.80E-15	0.001	0.004	0.872	0.016	61.309	TRUE	8.70E-15
FVC	ARSB	cg08393937	rs74772620	T	C	1.087	0.026	0.176	<1E-200	0.000	0.003	0.905	0.329	1812.107	TRUE	<1E-200
FVC	ARSB	cg10864794	rs11747224	T	C	0.365	0.056	0.094	8.77E-11	-0.006	0.004	0.143	0.011	42.055	TRUE	2.94E-10
FVC	ARSB	cg10864794	rs13154740	C	T	0.301	0.026	0.280	1.79E-30	0.008	0.003	0.001	0.034	131.576	TRUE	2.33E-28
FVC	ARSB	cg10864794	rs1402684	T	G	0.149	0.026	0.276	1.55E-08	-0.003	0.003	0.202	0.009	31.975	TRUE	3.81E-08
FVC	ARSB	cg10864794	rs17221292	A	G	0.592	0.098	0.014	1.54E-09	-0.004	0.010	0.677	0.010	36.463	TRUE	2.53E-09
FVC	ARSB	cg10864794	rs56307340	A	G	-0.684	0.030	0.166	8.49E-113	-0.002	0.003	0.509	0.121	509.143	TRUE	2.22E-106
FVC	ARSB	cg10864794	rs62377935	A	T	-0.207	0.029	0.193	1.53E-12	-0.001	0.003	0.716	0.013	49.985	TRUE	2.83E-12
FVC	ARSB	cg10864794	rs9632424	C	T	0.262	0.032	0.177	1.46E-16	-0.004	0.003	0.163	0.018	68.188	TRUE	7.51E-16
FVC	ARSB	cg11541897	rs10462560	C	G	0.200	0.024	0.370	9.50E-17	-0.005	0.002	0.058	0.018	69.032	TRUE	7.61E-16
FVC	ARSB	cg11541897	rs10474577	A	G	0.255	0.026	0.308	1.64E-23	-0.003	0.003	0.285	0.026	99.797	TRUE	1.18E-22
FVC	ARSB	cg11541897	rs11746854	G	A	-0.178	0.029	0.204	1.15E-09	-0.002	0.003	0.429	0.010	37.037	TRUE	2.36E-09
FVC	ARSB	cg11541897	rs1402684	T	G	-0.197	0.026	0.276	6.62E-14	-0.003	0.003	0.202	0.015	56.148	TRUE	2.51E-13
FVC	ARSB	cg11541897	rs163126	T	C	0.732	0.029	0.179	7.64E-140	0.001	0.003	0.785	0.146	633.409	TRUE	4.73E-131
FVC	ARSB	cg11541897	rs337871	C	T	0.234	0.024	0.431	3.71E-23	0.005	0.002	0.042	0.026	98.185	TRUE	6.12E-22
FVC	ARSB	cg11541897	rs569634929	C	T	0.223	0.024	0.378	3.15E-20	-0.001	0.003	0.636	0.022	84.846	TRUE	1.02E-19
FVC	ARSB	cg11541897	rs72762996	T	C	-0.254	0.041	0.096	3.74E-10	0.001	0.004	0.872	0.010	39.225	TRUE	5.38E-10
FVC	ARSB	cg11541897	rs9637824	G	A	0.269	0.024	0.364	8.89E-29	-0.006	0.002	0.017	0.032	123.826	TRUE	4.14E-27
FVC	ARSB	cg11837534	rs337853	G	A	0.159	0.023	0.398	1.00E-11	-0.004	0.002	0.078	0.012	46.300	TRUE	4.38E-11
FVC	ARSB	cg13121490	rs4512118	C	G	0.168	0.031	0.177	4.47E-08	-0.005	0.003	0.086	0.008	29.917	TRUE	1.36E-07
FVC	ARSB	cg15712777	rs10042060	C	T	-0.152	0.025	0.342	1.60E-09	-0.003	0.003	0.280	0.010	36.383	TRUE	3.86E-09
FVC	ARSB	cg15712777	rs113601316	T	G	0.289	0.031	0.168	1.17E-20	-0.002	0.003	0.533	0.023	86.813	TRUE	4.36E-20
FVC	ARSB	cg15712777	rs478651	T	C	0.130	0.024	0.470	3.61E-08	-0.005	0.002	0.057	0.008	30.332	TRUE	1.19E-07
FVC	ARSB	cg17845680	rs10462560	C	G	0.215	0.024	0.370	3.64E-19	-0.005	0.002	0.058	0.021	80.014	TRUE	3.70E-18
FVC	ARSB	cg17845680	rs1402684	T	G	-0.201	0.026	0.276	1.97E-14	-0.003	0.003	0.202	0.016	58.527	TRUE	7.80E-14
FVC	ARSB	cg17845680	rs163126	T	C	0.779	0.029	0.179	4.59E-161	0.001	0.003	0.785	0.165	730.940	TRUE	8.61E-150
FVC	ARSB	cg17845680	rs337871	C	T	0.229	0.024	0.431	4.29E-22	0.005	0.002	0.042	0.025	93.340	TRUE	6.34E-21
FVC	ARSB	cg17845680	rs3733890	A	G	0.281	0.025	0.307	2.64E-28	-0.003	0.003	0.219	0.032	121.665	TRUE	3.41E-27
FVC	ARSB	cg17845680	rs569634929	C	T	0.234	0.024	0.378	3.82E-22	-0.001	0.003	0.636	0.025	93.573	TRUE	1.41E-21
FVC	ARSB	cg17845680	rs604315	T	G	0.254	0.024	0.352	2.21E-25	-0.005	0.003	0.044	0.028	108.333	TRUE	4.43E-24
FVC	ARSB	cg17845680	rs67523903	C	T	-0.163	0.029	0.203	2.75E-08	-0.003	0.003	0.393	0.008	30.860	TRUE	5.36E-08
FVC	ARSB	cg17845680	rs72762996	T	C	-0.238	0.041	0.096	4.29E-09	0.001	0.004	0.872	0.009	34.470	TRUE	5.90E-09
FVC	ARSB	cg23392359	rs117840267	C	G	-0.996	0.180	0.011	3.41E-08	0.009	0.013	0.514	0.008	30.440	TRUE	5.91E-08
FVC	ARSB	cg23392359	rs4235713	T	C	-0.129	0.023	0.410	3.35E-08	0.001	0.002	0.746	0.008	30.476	TRUE	4.90E-08
FVC	ARSB	cg23392359	rs6878926	A	G	-0.433	0.070	0.029	6.42E-10	-0.010	0.008	0.206	0.010	38.170	TRUE	1.77E-09
FVC	ARSB	cg23392359	rs7701438	T	G	-1.112	0.065	0.034	4.64E-65	-0.001	0.007	0.891	0.073	289.983	TRUE	9.25E-63
FVC	ARSB	cg24166916	rs113263870	C	A	-0.185	0.029	0.199	2.50E-10	-0.002	0.003	0.488	0.011	40.007	TRUE	4.97E-10
FVC	ARSB	cg24166916	rs12187584	C	A	-0.262	0.024	0.442	1.47E-28	0.006	0.002	0.009	0.032	122.826	TRUE	7.94E-27
FVC	ARSB	cg24166916	rs163128	T	C	-0.221	0.037	0.114	2.47E-09	-0.003	0.004	0.378	0.010	35.545	TRUE	5.18E-09
FVC	ARSB	cg24166916	rs1840804	C	T	0.190	0.025	0.319	2.98E-14	-0.002	0.003	0.379	0.015	57.715	TRUE	8.82E-14
FVC	ARSB	cg24166916	rs2445887	A	G	0.429	0.023	0.442	3.73E-75	0.000	0.002	0.924	0.083	336.296	TRUE	2.90E-72
FVC	ARSB	cg24166916	rs2547906	G	A	0.338	0.024	0.421	8.78E-47	0.005	0.002	0.058	0.053	206.198	TRUE	1.99E-44

FVC	ARSB	cg24166916	rs3733890	A	G	0.457	0.025	0.307	9.76E-74	-0.003	0.003	0.219	0.082	329.791	TRUE	4.33E-70
FVC	ARSB	cg24166916	rs3857405	A	G	0.273	0.033	0.348	2.75E-16	0.001	0.003	0.623	0.018	66.938	TRUE	6.88E-16
FVC	ARSB	cg24166916	rs4324657	A	C	-0.258	0.046	0.067	2.40E-08	0.000	0.005	0.947	0.008	31.121	TRUE	3.05E-08
FVC	ARSB	cg24166916	rs62377937	G	A	0.970	0.051	0.049	1.78E-81	-0.004	0.006	0.521	0.090	365.308	TRUE	1.02E-77
FVC	ARSB	cg24166916	rs72762996	T	C	-0.300	0.041	0.096	1.25E-13	0.001	0.004	0.872	0.015	54.897	TRUE	2.11E-13
FVC	ARSB	cg24166916	rs74772620	T	C	1.108	0.025	0.176	<1E-200	0.000	0.003	0.905	0.344	1943.952	TRUE	<1E-200
FVC	ARSB	cg24166916	rs7705926	C	G	-0.352	0.026	0.287	6.96E-43	-0.005	0.003	0.073	0.048	188.340	TRUE	8.75E-41
FVC	ARSB	cg24893837	rs12187584	C	A	-0.170	0.024	0.442	8.57E-13	0.006	0.002	0.009	0.014	51.119	TRUE	7.26E-12
FVC	ARSB	cg24893837	rs1402684	T	G	-0.149	0.026	0.276	1.58E-08	-0.003	0.003	0.202	0.009	31.934	TRUE	3.89E-08
FVC	ARSB	cg24893837	rs485142	G	A	0.209	0.024	0.431	9.93E-19	0.005	0.002	0.054	0.021	78.031	TRUE	9.68E-18
FVC	ARSB	cg24893837	rs57444763	A	G	0.256	0.026	0.310	1.15E-23	-0.003	0.003	0.209	0.026	100.495	TRUE	9.71E-23
FVC	ARSB	cg24893837	rs575425	A	G	0.293	0.024	0.352	9.68E-34	-0.005	0.003	0.039	0.038	146.503	TRUE	5.36E-32
FVC	ARSB	cg24893837	rs57586329	C	T	0.754	0.029	0.170	2.99E-144	0.000	0.003	0.901	0.150	653.662	TRUE	4.15E-135
FVC	ARSB	cg26470338	rs10040592	G	A	-0.254	0.042	0.088	1.04E-09	-0.006	0.004	0.198	0.010	37.228	TRUE	2.90E-09
FVC	ARSB	cg26470338	rs10514152	T	C	-0.616	0.045	0.071	7.31E-43	-0.006	0.005	0.173	0.048	188.243	TRUE	5.16E-41
FVC	ARSB	cg26470338	rs112412427	T	C	-0.272	0.028	0.219	4.55E-22	-0.003	0.003	0.323	0.025	93.225	TRUE	2.69E-21
FVC	ARSB	cg26470338	rs12187584	C	A	0.294	0.024	0.442	1.60E-35	0.006	0.002	0.009	0.040	154.658	TRUE	2.05E-33
FVC	ARSB	cg26470338	rs2052549	T	C	-0.895	0.024	0.227	<1E-200	-0.003	0.003	0.324	0.281	1446.534	TRUE	2.83E-278
FVC	ARSB	cg26470338	rs2919650	A	C	-0.261	0.024	0.433	1.86E-28	0.005	0.002	0.055	0.032	122.361	TRUE	4.97E-27
FVC	ARSB	cg26470338	rs4279321	G	A	0.341	0.039	0.093	2.96E-18	-0.001	0.004	0.750	0.020	75.876	TRUE	7.42E-18
FVC	ARSB	cg26470338	rs569634929	C	T	-0.257	0.024	0.378	1.52E-26	-0.001	0.003	0.636	0.030	113.628	TRUE	7.79E-26
FVC	ARSB	cg26470338	rs584218	C	T	-0.387	0.023	0.470	1.81E-62	-0.004	0.002	0.087	0.070	278.093	TRUE	2.78E-59
FVC	ARSB	cg26470338	rs585800	T	A	0.261	0.026	0.287	2.86E-24	-0.010	0.003	8.13E-05	0.027	103.261	TRUE	3.39E-22
FVC	ARSB	cg26470338	rs72762996	T	C	0.293	0.041	0.096	5.07E-13	0.001	0.004	0.872	0.014	52.151	TRUE	8.31E-13
FVC	ARSB	cg26470338	rs7701438	T	G	-0.631	0.067	0.034	4.24E-21	-0.001	0.007	0.891	0.023	88.809	TRUE	1.07E-20
FVC	ARSB	cg27361227	rs62377505	A	C	0.213	0.029	0.206	1.25E-13	0.005	0.003	0.106	0.015	54.895	TRUE	5.98E-13
FVC	ARSG	cg00970435	rs1558877	T	C	0.135	0.024	0.479	1.03E-08	0.004	0.002	0.113	0.009	32.770	TRUE	3.00E-08
FVC	ARSG	cg00970435	rs72490435	A	T	-0.259	0.046	0.070	2.22E-08	-0.002	0.005	0.717	0.008	31.279	TRUE	3.30E-08
FVC	ARSG	cg00970435	rs75850252	T	C	-1.393	0.094	0.015	4.08E-50	-0.007	0.010	0.496	0.056	221.463	TRUE	2.70E-48
FVC	ARSG	cg04938381	rs2160725	C	A	-0.186	0.023	0.479	1.11E-15	0.001	0.002	0.689	0.017	64.186	TRUE	2.47E-15
FVC	ARSG	cg04938381	rs7208386	A	G	0.200	0.023	0.478	1.65E-17	0.003	0.002	0.245	0.019	72.487	TRUE	7.52E-17
FVC	ARSG	cg05505961	rs72490435	A	T	-0.272	0.046	0.070	3.92E-09	-0.002	0.005	0.717	0.009	34.646	TRUE	6.06E-09
FVC	ARSG	cg11879514	rs12940934	G	C	0.440	0.047	0.064	8.79E-21	-0.005	0.005	0.306	0.023	87.369	TRUE	4.77E-20
FVC	ARSG	cg11879514	rs12951791	T	C	-0.179	0.026	0.299	4.14E-12	-0.003	0.003	0.261	0.013	48.031	TRUE	1.23E-11
FVC	ARSG	cg11879514	rs1860037	G	A	0.399	0.025	0.309	1.35E-56	-0.005	0.003	0.035	0.064	251.167	TRUE	1.60E-53
FVC	ARSG	cg11879514	rs34927084	A	G	-0.365	0.062	0.075	3.61E-09	0.004	0.005	0.458	0.009	34.803	TRUE	7.06E-09
FVC	ARSG	cg11879514	rs79170743	G	T	-0.535	0.033	0.141	1.41E-60	0.004	0.003	0.295	0.068	269.427	TRUE	6.39E-58
FVC	ARSG	cg11879514	rs79677880	G	A	-0.451	0.058	0.047	1.06E-14	-0.013	0.006	0.019	0.016	59.741	TRUE	9.62E-14
FVC	ARSG	cg12509712	rs11658645	A	G	-0.921	0.032	0.143	6.07E-185	-0.002	0.003	0.592	0.185	840.706	TRUE	3.17E-170
FVC	ARSG	cg12509712	rs140056144	T	C	-1.483	0.138	0.014	4.77E-27	-0.006	0.010	0.560	0.030	115.932	TRUE	2.81E-26
FVC	ARSG	cg12509712	rs7210209	G	C	-0.155	0.024	0.416	7.38E-11	-0.007	0.002	0.003	0.011	42.393	TRUE	6.22E-10
FVC	ARSG	cg13093111	rs12939053	C	A	-0.157	0.026	0.293	1.19E-09	-0.001	0.003	0.642	0.010	36.971	TRUE	2.00E-09

FVC	ARSG	cg13093111	rs2362734	G	A	-0.462	0.043	0.086	1.93E-26	-0.004	0.005	0.370	0.030	113.159	TRUE	1.48E-25
FVC	ARSG	cg13093111	rs34927084	A	G	-0.678	0.061	0.075	1.47E-28	0.004	0.005	0.458	0.032	122.830	TRUE	1.18E-27
FVC	ARSG	cg13093111	rs62088762	T	C	-0.192	0.024	0.404	1.60E-15	-0.001	0.002	0.658	0.017	63.471	TRUE	3.75E-15
FVC	ARSG	cg15308737	rs12940934	G	C	0.420	0.047	0.064	3.97E-19	-0.005	0.005	0.306	0.021	79.842	TRUE	1.89E-18
FVC	ARSG	cg15308737	rs12942630	G	A	0.441	0.079	0.028	2.81E-08	-0.007	0.007	0.362	0.008	30.816	TRUE	5.64E-08
FVC	ARSG	cg15308737	rs2903997	G	A	0.437	0.025	0.306	4.64E-68	-0.006	0.003	0.030	0.076	303.741	TRUE	3.75E-64
FVC	ARSG	cg15308737	rs62085864	G	A	0.154	0.024	0.422	9.27E-11	0.000	0.002	0.976	0.011	41.946	TRUE	1.28E-10
FVC	ARSG	cg15308737	rs7226220	T	A	0.339	0.062	0.064	3.86E-08	0.000	0.005	0.967	0.008	30.204	TRUE	4.80E-08
FVC	ARSG	cg15308737	rs79170743	G	T	-0.432	0.033	0.141	5.67E-40	0.004	0.003	0.295	0.045	175.014	TRUE	1.97E-38
FVC	ARSG	cg15308737	rs79677880	G	A	-0.447	0.058	0.047	1.72E-14	-0.013	0.006	0.019	0.016	58.795	TRUE	1.52E-13
FVC	ARSG	cg27366162	rs9904958	A	C	-0.159	0.024	0.416	3.79E-11	-0.002	0.002	0.370	0.012	43.694	TRUE	9.04E-11
FVC	ASAH1	cg04912297	rs11984918	A	T	0.303	0.055	0.059	4.74E-08	0.005	0.005	0.326	0.008	29.806	TRUE	9.69E-08
FVC	ASAH1	cg04912297	rs13260520	C	T	0.330	0.032	0.192	1.64E-25	0.001	0.003	0.867	0.029	108.922	TRUE	5.69E-25
FVC	ASAH1	cg04912297	rs137922664	C	T	1.027	0.108	0.010	1.82E-21	-0.017	0.010	0.078	0.024	90.481	TRUE	2.02E-20
FVC	ASAH1	cg04912297	rs17593828	C	T	0.609	0.104	0.015	5.10E-09	-0.003	0.009	0.787	0.009	34.132	TRUE	7.49E-09
FVC	ASAH1	cg04912297	rs1966290	G	A	0.161	0.025	0.415	2.39E-10	0.000	0.002	0.895	0.011	40.097	TRUE	3.41E-10
FVC	ASAH1	cg04912297	rs399382	G	C	1.207	0.087	0.024	1.57E-43	0.003	0.007	0.692	0.049	191.299	TRUE	3.45E-42
FVC	ASAH1	cg04912297	rs447516	C	A	0.206	0.028	0.260	3.22E-13	0.000	0.003	0.890	0.014	53.041	TRUE	5.31E-13
FVC	ASAH1	cg04912297	rs71526168	C	T	0.499	0.049	0.076	1.92E-24	0.009	0.005	0.091	0.027	104.049	TRUE	2.70E-23
FVC	ASAH1	cg04912297	rs73198081	T	A	-0.593	0.106	0.031	2.08E-08	-0.004	0.007	0.558	0.008	31.406	TRUE	3.53E-08
FVC	ASAH1	cg04912297	rs73202002	A	G	0.727	0.112	0.014	8.75E-11	0.003	0.009	0.716	0.011	42.059	TRUE	1.48E-10
FVC	ASAH1	cg04912297	rs7387252	T	C	0.983	0.034	0.146	2.15E-180	0.004	0.003	0.223	0.181	819.797	TRUE	1.53E-165
FVC	ASAH1	cg04912297	rs7462730	A	C	0.796	0.098	0.036	3.33E-16	0.004	0.007	0.582	0.018	66.563	TRUE	8.77E-16
FVC	ASAH1	cg06891716	rs113060216	A	G	0.434	0.067	0.035	1.16E-10	0.002	0.006	0.754	0.011	41.508	TRUE	1.88E-10
FVC	ASAH1	cg18067069	rs11776689	T	G	0.445	0.049	0.077	1.52E-19	-0.005	0.005	0.283	0.022	81.741	TRUE	7.75E-19
FVC	ASAH1	cg18067069	rs12549893	G	C	-0.157	0.026	0.384	1.25E-09	0.001	0.002	0.686	0.010	36.875	TRUE	2.05E-09
FVC	ASAH1	cg18067069	rs17436109	T	C	-0.388	0.055	0.060	2.34E-12	0.011	0.005	0.045	0.013	49.146	TRUE	1.28E-11
FVC	ASAH1	cg18067069	rs17593975	G	C	-0.360	0.060	0.044	1.60E-09	-0.008	0.006	0.158	0.010	36.386	TRUE	4.67E-09
FVC	ASAH1	cg18067069	rs17693097	C	G	0.336	0.052	0.064	1.09E-10	-0.004	0.005	0.365	0.011	41.623	TRUE	2.59E-10
FVC	ASAH1	cg18067069	rs34482943	T	C	0.527	0.049	0.075	1.06E-26	0.000	0.004	0.939	0.030	114.348	TRUE	3.61E-26
FVC	ASAH1	cg18067069	rs444618	A	T	0.317	0.039	0.114	8.84E-16	-0.004	0.004	0.302	0.017	64.639	TRUE	3.26E-15
FVC	ASAH1	cg18067069	rs4921901	G	A	0.340	0.058	0.051	4.66E-09	0.000	0.006	0.993	0.009	34.307	TRUE	5.86E-09
FVC	ASAH1	cg18067069	rs62492594	T	G	0.340	0.059	0.052	7.40E-09	-0.002	0.006	0.788	0.009	33.409	TRUE	1.08E-08
FVC	ASAH1	cg18067069	rs73208640	C	G	0.333	0.049	0.070	1.14E-11	0.003	0.005	0.521	0.012	46.046	TRUE	2.40E-11
FVC	ASAH1	cg18067069	rs7825215	C	A	0.744	0.024	0.448	6.37E-216	0.000	0.002	0.934	0.210	983.137	TRUE	3.33E-197
FVC	ASAH1	cg18067069	rs7827552	G	T	0.330	0.036	0.146	9.90E-20	-0.003	0.003	0.377	0.022	82.585	TRUE	4.37E-19
FVC	ASAH1	cg18067069	rs79451156	G	A	0.383	0.043	0.100	3.75E-19	0.002	0.004	0.613	0.021	79.953	TRUE	1.15E-18
FVC	ASAH1	cg18929511	rs1015502	T	C	0.185	0.027	0.320	9.51E-12	-0.001	0.003	0.812	0.012	46.403	TRUE	1.55E-11
FVC	ASAH1	cg18929511	rs117633627	G	A	0.878	0.134	0.019	5.50E-11	-0.004	0.009	0.645	0.011	42.969	TRUE	9.96E-11
FVC	ASAH1	cg18929511	rs13260520	C	T	0.357	0.032	0.192	1.24E-29	0.001	0.003	0.867	0.033	127.727	TRUE	5.85E-29
FVC	ASAH1	cg18929511	rs1353037	C	T	0.254	0.032	0.196	1.26E-15	0.001	0.003	0.874	0.017	63.947	TRUE	2.38E-15
FVC	ASAH1	cg18929511	rs139334311	C	T	0.972	0.150	0.014	8.86E-11	-0.008	0.010	0.413	0.011	42.035	TRUE	1.99E-10

FVC	ASAH1	cg18929511	rs399382	G	C	1.365	0.087	0.024	1.49E-55	0.003	0.007	0.692	0.062	246.387	TRUE	1.29E-53
FVC	ASAH1	cg18929511	rs71526156	C	T	1.022	0.094	0.039	9.51E-28	-0.010	0.006	0.080	0.031	119.128	TRUE	2.00E-26
FVC	ASAH1	cg18929511	rs71526168	C	T	0.400	0.049	0.076	3.68E-16	0.009	0.005	0.091	0.018	66.367	TRUE	2.34E-15
FVC	ASAH1	cg18929511	rs73202002	A	G	1.020	0.112	0.014	6.50E-20	0.003	0.009	0.716	0.022	83.416	TRUE	1.85E-19
FVC	ASAH1	cg18929511	rs7387252	T	C	0.977	0.034	0.146	1.64E-177	0.004	0.003	0.223	0.179	806.541	TRUE	4.72E-163
FVC	ASAH1	cg18929511	rs7387599	G	C	0.243	0.036	0.129	2.54E-11	-0.004	0.003	0.275	0.012	44.478	TRUE	7.02E-11
FVC	ASAH1	cg18929511	rs7462730	A	C	0.822	0.098	0.036	3.62E-17	0.004	0.007	0.582	0.019	70.936	TRUE	1.02E-16
FVC	ASAH1	cg23540819	rs10102764	C	T	-0.175	0.030	0.223	9.16E-09	0.007	0.003	0.013	0.009	32.994	TRUE	4.52E-08
FVC	ASAH1	cg23540819	rs10106223	G	C	-0.382	0.062	0.043	7.25E-10	-0.002	0.006	0.680	0.010	37.932	TRUE	1.20E-09
FVC	ASAH1	cg23540819	rs116180957	C	T	-0.477	0.076	0.030	4.14E-10	0.019	0.007	0.007	0.010	39.023	TRUE	2.70E-09
FVC	ASAH1	cg23540819	rs17126208	G	C	0.509	0.071	0.037	6.36E-13	-0.004	0.006	0.519	0.014	51.706	TRUE	1.46E-12
FVC	ASAH1	cg23540819	rs2283120	C	T	0.206	0.026	0.415	1.33E-15	-0.001	0.002	0.784	0.017	63.837	TRUE	2.76E-15
FVC	ASAH1	cg23540819	rs2517318	A	G	-0.244	0.042	0.104	8.34E-09	0.005	0.004	0.237	0.009	33.176	TRUE	2.00E-08
FVC	ASAH1	cg23540819	rs35425490	A	G	-0.849	0.066	0.042	2.31E-38	0.013	0.006	0.049	0.043	167.645	TRUE	2.08E-36
FVC	ATF3	cg03970567	rs1008737	G	C	-0.448	0.033	0.128	2.53E-41	0.001	0.003	0.796	0.047	181.199	TRUE	3.69E-40
FVC	ATF3	cg03970567	rs114197810	T	G	-0.716	0.096	0.028	6.55E-14	0.005	0.007	0.449	0.015	56.170	TRUE	1.73E-13
FVC	ATF3	cg03970567	rs114351967	T	C	-0.462	0.079	0.020	4.18E-09	0.001	0.008	0.923	0.009	34.517	TRUE	5.56E-09
FVC	ATF3	cg03970567	rs116604459	C	T	0.327	0.057	0.044	1.09E-08	0.003	0.006	0.601	0.009	32.657	TRUE	1.80E-08
FVC	ATF3	cg03970567	rs12066052	A	C	0.231	0.025	0.336	1.52E-20	0.002	0.003	0.338	0.023	86.289	TRUE	7.66E-20
FVC	ATF3	cg03970567	rs12073226	T	C	-0.509	0.034	0.129	2.40E-50	-0.002	0.003	0.621	0.057	222.518	TRUE	1.27E-48
FVC	ATF3	cg03970567	rs12120031	C	T	0.298	0.032	0.159	3.88E-21	0.002	0.003	0.558	0.023	88.985	TRUE	1.48E-20
FVC	ATF3	cg03970567	rs12729140	C	T	-1.257	0.026	0.145	<1E-200	0.002	0.003	0.500	0.391	2375.885	TRUE	<1E-200
FVC	ATF3	cg03970567	rs17019438	C	T	-0.248	0.026	0.262	4.59E-21	-0.001	0.003	0.791	0.023	88.654	TRUE	1.29E-20
FVC	ATF3	cg03970567	rs2456831	A	G	0.229	0.039	0.103	3.37E-09	0.007	0.004	0.072	0.009	34.940	TRUE	1.20E-08
FVC	ATF3	cg03970567	rs3122720	T	C	0.218	0.033	0.142	4.67E-11	-0.004	0.003	0.199	0.012	43.286	TRUE	1.41E-10
FVC	ATF3	cg03970567	rs3125291	G	A	0.249	0.025	0.330	3.94E-23	0.000	0.003	0.990	0.026	98.066	TRUE	9.90E-23
FVC	ATF3	cg03970567	rs35961366	G	T	-0.997	0.099	0.035	9.23E-24	-0.009	0.006	0.147	0.027	100.938	TRUE	9.73E-23
FVC	ATF3	cg03970567	rs4951625	A	G	-0.966	0.081	0.023	8.89E-33	0.007	0.009	0.402	0.037	142.101	TRUE	1.14E-31
FVC	ATF3	cg03970567	rs507349	G	T	-0.221	0.024	0.430	9.80E-21	0.004	0.002	0.072	0.023	87.154	TRUE	1.09E-19
FVC	ATF3	cg03970567	rs565099	A	G	-0.770	0.090	0.014	1.31E-17	0.012	0.008	0.153	0.019	72.936	TRUE	7.71E-17
FVC	ATF3	cg03970567	rs597459	G	A	-0.221	0.024	0.338	1.20E-19	-0.006	0.003	0.015	0.022	82.201	TRUE	1.94E-18
FVC	ATF3	cg03970567	rs61830682	A	G	-0.556	0.084	0.022	3.69E-11	-0.004	0.007	0.577	0.012	43.747	TRUE	7.19E-11
FVC	ATF3	cg03970567	rs66505337	G	T	-0.157	0.027	0.253	4.37E-09	-0.005	0.003	0.069	0.009	34.434	TRUE	1.57E-08
FVC	ATF3	cg03970567	rs79386729	A	G	-0.697	0.058	0.041	2.20E-33	0.005	0.005	0.322	0.038	144.869	TRUE	3.60E-32
FVC	ATF3	cg03970567	rs9308424	A	G	-0.163	0.025	0.329	5.34E-11	0.001	0.003	0.726	0.011	43.026	TRUE	9.09E-11
FVC	ATF3	cg04323713	rs1001304	T	C	0.203	0.028	0.213	1.65E-13	-0.003	0.003	0.260	0.014	54.357	TRUE	5.41E-13
FVC	ATF3	cg04323713	rs10863957	C	T	-0.176	0.028	0.224	3.65E-10	0.006	0.003	0.035	0.011	39.273	TRUE	1.66E-09
FVC	ATF3	cg04323713	rs115035134	A	C	-0.559	0.080	0.018	2.20E-12	-0.001	0.008	0.905	0.013	49.270	TRUE	3.42E-12
FVC	ATF3	cg04323713	rs12144600	G	A	-0.304	0.052	0.053	4.17E-09	0.000	0.005	0.984	0.009	34.523	TRUE	5.32E-09
FVC	ATF3	cg04323713	rs12410743	A	G	-0.294	0.039	0.110	3.32E-14	0.006	0.004	0.120	0.015	57.506	TRUE	1.59E-13
FVC	ATF3	cg04323713	rs143963349	A	T	-1.921	0.067	0.033	3.59E-178	0.013	0.007	0.079	0.180	809.577	TRUE	5.31E-163
FVC	ATF3	cg04323713	rs150509583	T	C	-0.605	0.055	0.049	5.16E-28	-0.003	0.005	0.540	0.032	120.341	TRUE	3.42E-27

FVC	ATF3	cg04323713	rs4543871	C	T	-0.254	0.027	0.254	9.86E-21	0.003	0.003	0.358	0.023	87.143	TRUE	4.76E-20
FVC	ATF3	cg04323713	rs681005	T	G	-0.151	0.024	0.401	2.04E-10	0.006	0.002	0.011	0.011	40.409	TRUE	1.26E-09
FVC	ATF3	cg04323713	rs72754346	C	T	-0.327	0.056	0.047	7.33E-09	-0.003	0.006	0.621	0.009	33.427	TRUE	1.21E-08
FVC	ATF3	cg04323713	rs74620737	C	T	-0.583	0.071	0.059	1.98E-16	0.010	0.005	0.037	0.018	67.586	TRUE	1.75E-15
FVC	ATF3	cg04323713	rs79381401	A	G	-0.454	0.045	0.080	5.21E-24	-0.002	0.005	0.594	0.027	102.071	TRUE	2.29E-23
FVC	ATF3	cg05036120	rs3123534	C	A	0.149	0.025	0.326	4.49E-09	-0.006	0.003	0.013	0.009	34.381	TRUE	2.33E-08
FVC	ATF3	cg18174834	rs3125291	G	A	0.203	0.025	0.330	3.14E-16	0.000	0.003	0.990	0.018	66.679	TRUE	5.37E-16
FVC	ATF3	cg18317154	rs685330	G	C	-0.143	0.025	0.330	8.27E-09	0.000	0.003	0.982	0.009	33.192	TRUE	1.06E-08
FVC	ATF3	cg23534142	rs1001304	T	C	0.293	0.027	0.213	1.59E-26	-0.003	0.003	0.260	0.030	113.544	TRUE	1.52E-25
FVC	ATF3	cg23534142	rs12744239	G	A	-0.199	0.024	0.365	2.08E-16	0.005	0.003	0.070	0.018	67.492	TRUE	1.47E-15
FVC	ATF3	cg23534142	rs17019442	C	T	-0.292	0.040	0.095	2.23E-13	-0.003	0.004	0.396	0.014	53.766	TRUE	6.07E-13
FVC	ATF3	cg23534142	rs183325637	T	C	-0.487	0.087	0.018	1.97E-08	-0.002	0.009	0.838	0.008	31.512	TRUE	2.70E-08
FVC	ATF3	cg23534142	rs2292480	C	T	0.268	0.040	0.087	2.87E-11	0.003	0.004	0.424	0.012	44.242	TRUE	6.50E-11
FVC	ATF3	cg23534142	rs2884515	C	T	0.147	0.026	0.284	1.42E-08	0.005	0.003	0.065	0.009	32.136	TRUE	4.84E-08
FVC	ATF3	cg23534142	rs376490810	C	A	-2.284	0.147	0.015	1.41E-54	0.002	0.011	0.845	0.061	241.914	TRUE	7.89E-53
FVC	ATF3	cg23534142	rs56671266	C	T	-0.529	0.028	0.222	6.28E-79	0.001	0.003	0.758	0.087	353.615	TRUE	1.31E-75
FVC	ATF3	cg23534142	rs629118	G	A	0.195	0.024	0.440	5.74E-16	0.000	0.002	0.869	0.017	65.489	TRUE	1.10E-15
FVC	ATF3	cg23534142	rs6661348	T	C	-0.208	0.026	0.285	1.23E-15	0.007	0.003	0.007	0.017	63.995	TRUE	1.62E-14
FVC	ATF3	cg23534142	rs78276076	C	T	-0.298	0.044	0.075	2.02E-11	0.006	0.005	0.169	0.012	44.930	TRUE	6.81E-11
FVC	ATF3	cg23534142	rs9651103	T	C	-0.178	0.025	0.344	1.02E-12	0.001	0.003	0.633	0.014	50.774	TRUE	2.07E-12
FVC	ATF3	cg25386151	rs6696022	G	A	0.283	0.046	0.073	5.60E-10	0.000	0.005	0.954	0.010	38.435	TRUE	7.55E-10
FVC	ATF6	cg07046186	rs6427638	A	G	0.382	0.041	0.090	3.51E-20	-0.002	0.004	0.581	0.022	84.633	TRUE	1.20E-19
FVC	ATF6	cg07804963	rs112184925	A	G	0.790	0.083	0.019	1.59E-21	0.013	0.009	0.139	0.024	90.755	TRUE	1.37E-20
FVC	ATF6	cg08171933	rs12046823	G	A	-0.282	0.046	0.073	6.78E-10	-0.006	0.005	0.200	0.010	38.062	TRUE	1.89E-09
FVC	ATF6	cg09175582	rs10917750	C	T	-0.187	0.025	0.275	1.07E-13	0.008	0.003	0.002	0.015	55.196	TRUE	1.39E-12
FVC	ATF6	cg09175582	rs2298019	A	G	-0.552	0.035	0.125	2.27E-56	0.010	0.004	0.004	0.063	250.133	TRUE	7.94E-53
FVC	ATF6	cg10064029	rs10918103	A	G	-0.228	0.042	0.090	4.52E-08	-0.002	0.004	0.629	0.008	29.896	TRUE	7.08E-08
FVC	ATF6	cg10230257	rs4656340	C	G	-0.164	0.028	0.231	4.25E-09	0.004	0.003	0.141	0.009	34.487	TRUE	1.23E-08
FVC	ATF6	cg12648759	rs12078104	C	T	-0.340	0.057	0.039	2.81E-09	-0.004	0.006	0.462	0.009	35.294	TRUE	5.45E-09
FVC	ATF6	cg12648759	rs12404636	A	G	-0.934	0.042	0.080	1.92E-109	-0.005	0.004	0.225	0.118	493.733	TRUE	7.35E-103
FVC	ATF6	cg12648759	rs12406801	G	A	-0.268	0.024	0.368	4.71E-29	0.008	0.002	4.96E-04	0.033	125.086	TRUE	7.00E-27
FVC	ATF6	cg12648759	rs1503813	G	A	-0.159	0.029	0.219	4.30E-08	-0.002	0.003	0.528	0.008	29.993	TRUE	7.37E-08
FVC	ATF6	cg12648759	rs16852851	T	G	-0.488	0.067	0.031	3.73E-13	0.002	0.006	0.813	0.014	52.753	TRUE	6.51E-13
FVC	ATF6	cg12648759	rs1847383	G	A	-0.658	0.024	0.348	2.51E-170	0.004	0.003	0.097	0.173	773.512	TRUE	2.34E-156
FVC	ATF6	cg12648759	rs2490437	C	T	0.260	0.024	0.382	5.83E-27	-0.001	0.002	0.643	0.030	115.533	TRUE	3.01E-26
FVC	ATF6	cg12648759	rs6427594	T	C	-0.204	0.030	0.188	5.20E-12	-0.001	0.003	0.872	0.013	47.583	TRUE	8.18E-12
FVC	ATF6	cg19735514	rs115800677	A	G	0.274	0.050	0.059	3.39E-08	-0.010	0.005	0.044	0.008	30.454	TRUE	1.20E-07
FVC	ATF6	cg19735514	rs12402354	T	A	-0.639	0.047	0.071	1.70E-42	-0.006	0.005	0.229	0.048	186.558	TRUE	9.57E-41
FVC	ATF6	cg19735514	rs1417582	T	C	-0.213	0.025	0.304	1.60E-17	0.008	0.003	0.003	0.019	72.541	TRUE	3.29E-16
FVC	ATF6	cg19735514	rs1832739	T	G	-0.146	0.024	0.465	7.60E-10	0.000	0.002	0.880	0.010	37.839	TRUE	1.09E-09
FVC	ATF6	cg19735514	rs61802507	T	C	0.661	0.022	0.286	1.05E-198	-0.002	0.003	0.453	0.196	903.978	TRUE	8.38E-182
FVC	ATF6	cg22522357	rs10799917	C	T	0.150	0.027	0.245	2.70E-08	0.003	0.003	0.219	0.008	30.898	TRUE	6.51E-08

FVC	ATF6	cg22522357	rs10918243	C	T	0.212	0.024	0.355	3.37E-18	-0.002	0.002	0.316	0.020	75.617	TRUE	1.47E-17
FVC	ATF6	cg22522357	rs1105238	G	C	-0.204	0.030	0.200	5.94E-12	0.005	0.003	0.116	0.013	47.325	TRUE	2.33E-11
FVC	ATF6	cg22522357	rs11581364	T	G	0.192	0.024	0.372	3.25E-15	-0.002	0.002	0.358	0.017	62.075	TRUE	1.06E-14
FVC	ATF6	cg22522357	rs2271010	G	A	-1.488	0.035	0.090	<1E-200	-0.003	0.004	0.440	0.325	1777.890	TRUE	<1E-200
FVC	ATF6	cg22522357	rs560093485	G	A	-1.275	0.083	0.020	1.07E-52	0.011	0.009	0.229	0.059	233.298	TRUE	2.07E-50
FVC	ATF6	cg22608657	rs17415553	G	A	1.257	0.084	0.019	2.44E-50	0.009	0.009	0.308	0.057	222.488	TRUE	2.70E-48
FVC	ATG5	cg04389950	rs11961415	T	A	0.252	0.044	0.091	7.09E-09	-0.011	0.004	0.011	0.009	33.492	TRUE	3.59E-08
FVC	ATG5	cg09492693	rs2787539	T	C	-0.352	0.047	0.080	4.76E-14	-0.012	0.004	0.006	0.015	56.796	TRUE	5.09E-13
FVC	ATG5	cg14764792	rs191277850	A	G	-1.064	0.165	0.011	1.19E-10	0.008	0.011	0.427	0.011	41.459	TRUE	2.60E-10
FVC	ATG7	cg00170343	rs11713574	T	G	-0.334	0.045	0.229	8.25E-14	-0.003	0.003	0.342	0.015	55.715	TRUE	2.45E-13
FVC	ATG7	cg00170343	rs13080420	A	G	-0.131	0.024	0.451	4.68E-08	-0.001	0.002	0.678	0.008	29.827	TRUE	7.11E-08
FVC	ATG7	cg00170343	rs13096231	G	A	-0.200	0.024	0.449	8.90E-17	-0.007	0.002	0.002	0.018	69.161	TRUE	1.72E-15
FVC	ATG7	cg00170343	rs17534104	T	C	-0.399	0.059	0.038	1.04E-11	0.012	0.006	0.030	0.012	46.231	TRUE	5.97E-11
FVC	ATG7	cg00170343	rs17535764	T	G	-0.383	0.061	0.034	4.33E-10	-0.005	0.006	0.343	0.010	38.937	TRUE	9.93E-10
FVC	ATG7	cg00170343	rs17536147	C	G	0.369	0.068	0.055	4.96E-08	0.001	0.005	0.775	0.008	29.716	TRUE	7.00E-08
FVC	ATG7	cg00170343	rs367745	T	C	-0.706	0.024	0.338	4.74E-195	-0.005	0.003	0.059	0.193	887.176	TRUE	2.54E-177
FVC	ATG7	cg00170343	rs67825010	T	C	0.337	0.029	0.216	2.11E-31	0.002	0.003	0.590	0.035	135.812	TRUE	1.70E-30
FVC	ATG7	cg00170343	rs73125411	T	C	-0.496	0.064	0.037	1.29E-14	-0.014	0.006	0.025	0.016	59.361	TRUE	1.06E-13
FVC	ATG7	cg00170343	rs8154	C	T	-0.204	0.034	0.326	1.27E-09	-0.005	0.003	0.037	0.010	36.838	TRUE	5.49E-09
FVC	ATG7	cg01796438	rs1562616	T	C	-0.225	0.033	0.138	1.34E-11	0.004	0.003	0.181	0.012	45.730	TRUE	4.46E-11
FVC	ATG7	cg01796438	rs346072	G	A	0.396	0.030	0.184	1.00E-39	-0.006	0.003	0.047	0.045	173.878	TRUE	1.04E-37
FVC	ATG7	cg03589820	rs59137166	G	C	0.382	0.068	0.034	2.39E-08	-0.018	0.007	0.005	0.008	31.130	TRUE	1.32E-07
FVC	ATG7	cg11277834	rs1992910	C	T	0.296	0.025	0.339	1.44E-32	-0.005	0.003	0.053	0.037	141.148	TRUE	6.07E-31
FVC	ATG7	cg12120750	rs6779007	T	C	-0.255	0.028	0.229	8.04E-20	-0.008	0.003	0.003	0.022	82.995	TRUE	2.07E-18
FVC	ATG7	cg12918464	rs11713574	T	G	0.255	0.045	0.229	1.36E-08	-0.003	0.003	0.342	0.009	32.231	TRUE	2.81E-08
FVC	ATG7	cg12918464	rs13081460	T	C	-0.912	0.032	0.127	8.74E-177	0.003	0.003	0.361	0.178	803.202	TRUE	9.16E-163
FVC	ATG7	cg12918464	rs1375204	G	C	-0.494	0.058	0.039	2.13E-17	0.013	0.006	0.019	0.019	71.981	TRUE	2.60E-16
FVC	ATG7	cg12918464	rs2346021	T	C	0.158	0.024	0.385	6.29E-11	-0.004	0.002	0.146	0.011	42.705	TRUE	2.13E-10
FVC	ATG7	cg12918464	rs2616553	C	T	-0.249	0.030	0.192	5.08E-17	-0.005	0.003	0.097	0.019	70.268	TRUE	3.34E-16
FVC	ATG7	cg12918464	rs3856804	G	A	-0.148	0.026	0.256	2.43E-08	0.000	0.003	0.998	0.008	31.102	TRUE	2.98E-08
FVC	ATG7	cg12918464	rs4684059	C	G	-0.193	0.033	0.390	3.55E-09	0.003	0.002	0.279	0.009	34.838	TRUE	8.33E-09
FVC	ATG7	cg12918464	rs5010060	T	C	0.836	0.028	0.197	3.11E-199	-0.005	0.003	0.073	0.197	906.404	TRUE	5.15E-181
FVC	ATG7	cg12918464	rs6802119	C	T	0.197	0.032	0.444	5.47E-10	-0.002	0.002	0.399	0.010	38.481	TRUE	1.18E-09
FVC	ATG7	cg12918464	rs7630582	T	G	-0.302	0.028	0.220	2.84E-27	0.004	0.003	0.119	0.031	116.958	TRUE	4.53E-26
FVC	ATG7	cg12918464	rs9310385	C	A	0.622	0.075	0.028	8.09E-17	0.001	0.008	0.952	0.018	69.350	TRUE	1.50E-16
FVC	ATG7	cg14339991	rs112498401	A	C	-0.206	0.036	0.116	7.69E-09	0.003	0.004	0.402	0.009	33.334	TRUE	1.53E-08
FVC	ATG7	cg16028117	rs10865708	T	C	0.187	0.034	0.335	4.16E-08	0.000	0.003	0.908	0.008	30.058	TRUE	5.38E-08
FVC	ATG7	cg16028117	rs1375204	G	C	0.336	0.059	0.039	9.00E-09	0.013	0.006	0.019	0.009	33.029	TRUE	4.13E-08
FVC	ATG7	cg16028117	rs147796380	T	A	-0.589	0.097	0.014	1.39E-09	0.007	0.011	0.500	0.010	36.668	TRUE	2.64E-09
FVC	ATG7	cg16028117	rs17535764	T	G	-0.754	0.061	0.034	5.32E-35	-0.005	0.006	0.343	0.040	152.264	TRUE	9.42E-34
FVC	ATG7	cg16028117	rs2088504	C	T	-0.177	0.026	0.316	4.13E-12	-0.001	0.003	0.617	0.013	48.036	TRUE	8.07E-12
FVC	ATG7	cg16028117	rs2447617	A	G	0.269	0.026	0.319	1.16E-25	-0.006	0.003	0.019	0.029	109.601	TRUE	3.56E-24

FVC	ATG7	cg16028117	rs2616545	T	C	-0.407	0.027	0.255	1.49E-49	-0.005	0.003	0.059	0.056	218.886	TRUE	4.98E-47
FVC	ATG7	cg16028117	rs346078	C	G	0.396	0.025	0.368	3.73E-58	0.002	0.002	0.477	0.065	258.312	TRUE	7.11E-56
FVC	ATG7	cg16028117	rs346089	C	T	-1.017	0.027	0.168	<1E-200	-0.006	0.003	0.069	0.281	1443.708	TRUE	1.35E-276
FVC	ATG7	cg16028117	rs3856804	G	A	0.154	0.027	0.256	6.72E-09	0.000	0.003	0.998	0.009	33.596	TRUE	8.41E-09
FVC	ATG7	cg16028117	rs404364	G	A	0.214	0.024	0.383	5.92E-19	0.001	0.002	0.714	0.021	79.051	TRUE	1.61E-18
FVC	ATG7	cg16028117	rs61451853	A	G	0.252	0.034	0.146	2.31E-13	-0.004	0.004	0.253	0.014	53.695	TRUE	7.71E-13
FVC	ATG7	cg16028117	rs6762705	G	A	-0.204	0.024	0.439	1.69E-17	-0.004	0.002	0.095	0.019	72.437	TRUE	1.15E-16
FVC	ATG7	cg16028117	rs67825010	T	C	0.309	0.029	0.216	1.94E-26	0.002	0.003	0.590	0.030	113.153	TRUE	1.04E-25
FVC	ATG7	cg16028117	rs6795611	C	A	0.248	0.028	0.229	4.10E-19	0.005	0.003	0.100	0.021	79.778	TRUE	3.30E-18
FVC	ATG7	cg16028117	rs73812500	T	A	-0.606	0.095	0.019	1.65E-10	0.001	0.011	0.924	0.011	40.821	TRUE	2.32E-10
FVC	ATG7	cg16028117	rs7644013	T	G	-0.156	0.024	0.389	1.63E-10	-0.001	0.002	0.590	0.011	40.848	TRUE	3.02E-10
FVC	ATG7	cg16028117	rs9837848	C	G	-0.263	0.038	0.107	5.65E-12	-0.005	0.004	0.173	0.013	47.421	TRUE	1.98E-11
FVC	ATG7	cg16028117	rs9839629	C	A	-0.153	0.025	0.304	1.22E-09	0.002	0.003	0.405	0.010	36.918	TRUE	2.57E-09
FVC	ATG7	cg18146954	rs2606740	G	A	0.263	0.030	0.179	2.59E-18	-0.007	0.003	0.026	0.020	76.138	TRUE	3.20E-17
FVC	ATG7	cg21071793	rs12636305	G	T	-0.546	0.033	0.141	2.17E-63	0.003	0.003	0.356	0.071	282.317	TRUE	1.22E-60
FVC	ATG7	cg21071793	rs2442781	G	A	0.283	0.027	0.250	1.48E-25	-0.006	0.003	0.032	0.029	109.126	TRUE	3.63E-24
FVC	ATG7	cg21071793	rs55854132	G	A	-0.137	0.024	0.403	1.21E-08	0.002	0.002	0.461	0.009	32.446	TRUE	2.28E-08
FVC	ATG7	cg21071793	rs62245784	A	G	-0.415	0.076	0.026	3.95E-08	0.001	0.008	0.951	0.008	30.157	TRUE	4.98E-08
FVC	ATG7	cg21071793	rs78250516	T	A	0.523	0.065	0.036	1.33E-15	-0.013	0.006	0.032	0.017	63.832	TRUE	1.14E-14
FVC	ATG7	cg24146269	rs143696892	C	A	-0.490	0.070	0.028	2.45E-12	-0.003	0.007	0.736	0.013	49.062	TRUE	4.40E-12
FVC	ATG7	cg24705426	rs11128552	G	T	-0.369	0.034	0.127	1.21E-27	0.003	0.003	0.403	0.031	118.644	TRUE	9.65E-27
FVC	ATG7	cg24705426	rs184700	T	C	-0.161	0.025	0.332	1.50E-10	-0.006	0.003	0.023	0.011	41.006	TRUE	7.88E-10
FVC	ATG7	cg25214561	rs112639057	A	G	-0.407	0.059	0.048	3.83E-12	0.003	0.006	0.631	0.013	48.182	TRUE	7.52E-12
FVC	ATG7	cg25214561	rs112885946	C	T	-0.742	0.122	0.023	1.34E-09	-0.014	0.007	0.032	0.010	36.736	TRUE	6.00E-09
FVC	ATG7	cg25214561	rs11712789	G	C	-0.608	0.055	0.048	1.34E-28	-0.009	0.005	0.114	0.032	123.019	TRUE	2.53E-27
FVC	ATG7	cg25214561	rs77015927	C	A	-1.491	0.063	0.036	1.03E-122	-0.013	0.006	0.032	0.130	554.702	TRUE	5.92E-114
FVC	ATG7	cg25214561	rs9829399	T	C	-0.262	0.036	0.130	4.28E-13	-0.011	0.004	0.002	0.014	52.483	TRUE	5.26E-12
FVC	ATG7	cg25214561	rs9848960	T	C	-0.313	0.030	0.194	2.86E-25	-0.008	0.003	0.007	0.028	107.820	TRUE	1.16E-23
FVC	ATG9B	cg02027878	rs2566511	T	C	0.186	0.027	0.245	8.14E-12	0.002	0.003	0.404	0.012	46.706	TRUE	1.96E-11
FVC	ATG9B	cg09519327	rs2853795	G	A	0.182	0.031	0.172	2.64E-09	0.001	0.003	0.732	0.009	35.414	TRUE	4.12E-09
FVC	ATG9B	cg09519327	rs3918184	T	C	-0.167	0.024	0.370	5.17E-12	-0.005	0.003	0.038	0.013	47.597	TRUE	2.80E-11
FVC	ATG9B	cg15183092	rs3918184	T	C	-0.140	0.024	0.370	9.94E-09	-0.005	0.003	0.038	0.009	32.835	TRUE	3.81E-08
FVC	ATP13A2	cg03937609	rs6703561	A	G	0.493	0.061	0.038	5.92E-16	-0.007	0.006	0.234	0.017	65.428	TRUE	2.49E-15
FVC	ATP13A2	cg06953703	rs9435739	G	A	0.159	0.025	0.332	1.31E-10	-0.018	0.003	8.07E-13	0.011	41.276	TRUE	1.14E-08
FVC	ATP13A2	cg16027378	rs2235930	A	G	0.142	0.024	0.418	1.72E-09	-0.016	0.002	6.20E-11	0.010	36.245	TRUE	8.50E-08
FVC	ATP13A2	cg22045253	rs34778293	A	G	0.279	0.048	0.062	5.82E-09	-0.007	0.005	0.114	0.009	33.876	TRUE	1.78E-08
FVC	ATP13A2	cg22045253	rs56047197	A	G	0.532	0.026	0.266	1.10E-90	-0.020	0.003	3.43E-14	0.099	407.587	TRUE	1.54E-80
FVC	ATP13A2	cg22045253	rs9435730	G	A	-0.182	0.031	0.165	4.17E-09	-0.011	0.003	3.83E-04	0.009	34.524	TRUE	3.75E-08
FVC	ATP2A1	cg04414917	rs12928404	C	T	-0.399	0.024	0.392	4.69E-64	-0.012	0.002	6.47E-07	0.072	285.373	TRUE	1.58E-58
FVC	ATP2A1	cg04414917	rs153105	C	T	-0.297	0.046	0.074	1.12E-10	-0.008	0.005	0.088	0.011	41.575	TRUE	4.27E-10
FVC	ATP2A1	cg04414917	rs28709965	A	G	0.171	0.023	0.491	3.09E-13	0.004	0.002	0.097	0.014	53.121	TRUE	1.50E-12
FVC	ATP2A1	cg04414917	rs73535886	C	T	-0.144	0.026	0.319	1.89E-08	-0.004	0.003	0.176	0.008	31.589	TRUE	4.84E-08

FVC	ATP2A1	cg05966235	rs11401	G	A	-0.193	0.031	0.184	4.40E-10	-0.008	0.003	0.016	0.010	38.905	TRUE	2.48E-09
FVC	ATP2A1	cg05966235	rs11642449	T	C	0.766	0.022	0.346	1.24E-273	-0.011	0.002	2.74E-06	0.252	1248.519	TRUE	1.30E-238
FVC	ATP2A1	cg05966235	rs369524013	A	G	-0.154	0.025	0.326	9.20E-10	-0.001	0.003	0.599	0.010	37.468	TRUE	1.62E-09
FVC	ATP2A1	cg05966235	rs67479058	C	T	-0.334	0.029	0.191	3.48E-30	-0.003	0.003	0.354	0.034	130.253	TRUE	3.91E-29
FVC	ATP2A1	cg05966235	rs72791878	T	C	0.593	0.065	0.034	5.91E-20	-0.011	0.006	0.078	0.022	83.604	TRUE	5.70E-19
FVC	ATP2A1	cg05966235	rs8052258	C	T	-0.270	0.023	0.476	6.50E-31	0.003	0.002	0.199	0.035	133.581	TRUE	1.17E-29
FVC	ATP2A1	cg05966235	rs8054074	A	G	0.271	0.025	0.314	1.99E-26	-0.004	0.003	0.175	0.030	113.101	TRUE	2.55E-25
FVC	ATP2A1	cg08213689	rs40831	G	A	0.141	0.024	0.419	2.99E-09	-0.010	0.002	2.66E-05	0.009	35.168	TRUE	3.92E-08
FVC	ATP2A1	cg10436792	rs11150697	T	C	0.323	0.038	0.121	2.00E-17	0.000	0.004	0.985	0.019	72.102	TRUE	3.72E-17
FVC	ATP2A1	cg10436792	rs142505175	A	G	0.367	0.059	0.042	4.28E-10	-0.007	0.006	0.261	0.010	38.958	TRUE	1.11E-09
FVC	ATP2A1	cg10436792	rs576443469	A	G	-0.229	0.026	0.278	2.68E-18	-0.009	0.003	5.30E-04	0.020	76.073	TRUE	8.42E-17
FVC	ATP2A1	cg10436792	rs8052258	C	T	0.167	0.023	0.476	1.17E-12	0.003	0.002	0.199	0.013	50.510	TRUE	4.13E-12
FVC	ATP2A1	cg10436792	rs9933198	T	C	0.546	0.027	0.255	6.12E-94	-0.002	0.003	0.502	0.103	422.529	TRUE	3.41E-89
FVC	ATP2A1	cg27473355	rs62037414	C	T	0.189	0.025	0.331	2.37E-14	-0.011	0.003	5.74E-06	0.015	58.164	TRUE	9.20E-13
FVC	ATP2A3	cg00095677	rs2176323	T	C	0.312	0.050	0.123	4.59E-10	0.005	0.004	0.209	0.010	38.825	TRUE	1.29E-09
FVC	ATP2A3	cg00095677	rs2240805	A	G	0.252	0.033	0.362	4.16E-14	0.001	0.003	0.718	0.015	57.062	TRUE	8.36E-14
FVC	ATP2A3	cg00095677	rs2254021	A	T	0.208	0.024	0.373	1.10E-17	-0.011	0.002	4.48E-06	0.019	73.285	TRUE	8.03E-16
FVC	ATP2A3	cg00095677	rs56172839	T	C	-1.184	0.090	0.042	1.01E-39	0.013	0.006	0.034	0.045	173.873	TRUE	1.25E-37
FVC	ATP2A3	cg00095677	rs7208941	T	G	-1.378	0.033	0.137	<1E-200	0.009	0.004	0.012	0.315	1702.561	TRUE	<1E-200
FVC	ATP2A3	cg00095677	rs79760850	C	T	-0.921	0.102	0.020	1.71E-19	0.016	0.008	0.043	0.022	81.500	TRUE	1.98E-18
FVC	ATP2A3	cg01703329	rs8070203	C	A	0.499	0.028	0.232	1.05E-72	0.008	0.003	0.006	0.081	325.055	TRUE	5.37E-68
FVC	ATP2A3	cg01703329	rs933210	T	C	-0.162	0.030	0.190	4.48E-08	-0.004	0.003	0.178	0.008	29.914	TRUE	1.10E-07
FVC	ATP2A3	cg01703329	rs9895032	T	C	0.180	0.023	0.495	1.11E-14	-0.007	0.002	0.002	0.016	59.667	TRUE	1.68E-13
FVC	ATP2A3	cg06463185	rs12936489	T	C	-0.815	0.043	0.142	1.78E-80	0.008	0.003	0.024	0.089	360.720	TRUE	1.55E-75
FVC	ATP2A3	cg06463185	rs142472050	A	G	0.291	0.052	0.109	1.91E-08	-0.003	0.004	0.482	0.008	31.565	TRUE	3.47E-08
FVC	ATP2A3	cg06463185	rs2254021	A	T	0.170	0.024	0.373	2.57E-12	-0.011	0.002	4.48E-06	0.013	48.962	TRUE	7.50E-11
FVC	ATP2A3	cg06463185	rs56172839	T	C	-0.636	0.092	0.042	4.11E-12	0.013	0.006	0.034	0.013	48.045	TRUE	2.36E-11
FVC	ATP2A3	cg06463185	rs79760850	C	T	-0.652	0.102	0.020	1.36E-10	0.016	0.008	0.043	0.011	41.200	TRUE	6.30E-10
FVC	ATP2A3	cg09013975	rs7213688	A	G	-0.198	0.030	0.194	3.57E-11	-0.007	0.003	0.014	0.012	43.814	TRUE	2.27E-10
FVC	ATP2A3	cg11608582	rs7215058	A	C	0.259	0.041	0.177	2.09E-10	0.005	0.003	0.113	0.011	40.358	TRUE	7.36E-10
FVC	ATP2A3	cg12868320	rs34689261	G	A	0.247	0.044	0.137	1.95E-08	0.008	0.003	0.012	0.008	31.524	TRUE	9.47E-08
FVC	ATP2A3	cg18963239	rs11871473	C	T	0.247	0.025	0.346	2.10E-23	0.002	0.003	0.434	0.026	99.314	TRUE	1.10E-22
FVC	ATP2A3	cg18963239	rs12325787	T	C	0.189	0.030	0.186	2.03E-10	-0.004	0.003	0.178	0.011	40.419	TRUE	6.08E-10
FVC	ATP2A3	cg20473595	rs11871473	C	T	0.348	0.025	0.346	6.65E-45	0.002	0.003	0.434	0.051	197.587	TRUE	2.70E-43
FVC	ATP2A3	cg20473595	rs2301351	T	C	0.263	0.037	0.255	8.61E-13	0.004	0.003	0.179	0.014	51.111	TRUE	3.13E-12
FVC	ATP2A3	cg20473595	rs2727072	G	C	-0.180	0.030	0.188	2.27E-09	-0.008	0.003	0.005	0.010	35.710	TRUE	1.40E-08
FVC	ATP2A3	cg20473595	rs7214726	A	G	0.261	0.040	0.190	8.22E-11	0.006	0.003	0.046	0.011	42.182	TRUE	3.76E-10
FVC	ATP2A3	cg25599198	rs11652572	G	T	0.661	0.105	0.026	2.77E-10	0.009	0.008	0.241	0.011	39.812	TRUE	7.43E-10
FVC	ATP2A3	cg25599198	rs138478638	C	T	0.615	0.036	0.253	2.02E-65	0.000	0.003	0.894	0.073	291.636	TRUE	4.27E-63
FVC	ATP2A3	cg25599198	rs28374275	G	A	0.257	0.025	0.346	2.85E-25	0.002	0.003	0.468	0.028	107.824	TRUE	1.68E-24
FVC	ATP2A3	cg25599198	rs62071740	A	T	0.659	0.094	0.040	2.73E-12	0.005	0.006	0.439	0.013	48.850	TRUE	6.52E-12
FVC	ATP2A3	cg25599198	rs7212159	C	T	-0.221	0.030	0.189	1.19E-13	-0.010	0.003	5.02E-04	0.015	54.988	TRUE	2.13E-12

FVC	ATP2A3	cg25599198	rs9893372	T	C	0.213	0.035	0.323	1.01E-09	-0.002	0.003	0.541	0.010	37.293	TRUE	1.90E-09
FVC	ATP2A3	cg25599198	rs9907835	T	G	0.294	0.035	0.131	3.60E-17	-0.010	0.003	0.004	0.019	70.947	TRUE	6.74E-16
FVC	ATP2A3	cg25738176	rs111834286	A	G	-0.235	0.037	0.114	2.72E-10	-0.015	0.004	4.72E-05	0.011	39.848	TRUE	4.02E-09
FVC	ATP2A3	cg25738176	rs12601931	C	T	0.187	0.030	0.187	6.26E-10	-0.009	0.003	0.003	0.010	38.219	TRUE	4.58E-09
FVC	ATP2A3	cg25738176	rs1468573	G	A	-0.299	0.024	0.426	3.81E-36	0.003	0.002	0.256	0.041	157.501	TRUE	9.52E-35
FVC	ATP2A3	cg25738176	rs56369222	A	G	-0.349	0.044	0.233	1.10E-15	0.002	0.003	0.459	0.017	64.200	TRUE	3.28E-15
FVC	ATP2A3	cg25738176	rs76401897	T	C	-0.320	0.052	0.053	1.06E-09	-0.003	0.005	0.575	0.010	37.194	TRUE	1.90E-09
FVC	ATP6V0A1	cg00706536	rs10512488	A	G	-0.158	0.027	0.247	6.86E-09	0.003	0.003	0.303	0.009	33.555	TRUE	1.54E-08
FVC	ATP6V0A1	cg00706536	rs145289234	G	A	1.042	0.045	0.069	3.46E-117	-0.011	0.005	0.017	0.125	529.310	TRUE	9.40E-109
FVC	ATP6V0A1	cg00706536	rs161620	C	A	0.247	0.029	0.198	2.03E-17	-0.001	0.003	0.717	0.019	72.072	TRUE	4.89E-17
FVC	ATP6V0A1	cg00706536	rs2074164	C	G	0.239	0.031	0.183	8.52E-15	-0.009	0.003	0.003	0.016	60.180	TRUE	1.23E-13
FVC	ATP6V0A1	cg00706536	rs709631	A	T	0.191	0.026	0.302	1.28E-13	-0.004	0.003	0.144	0.015	54.855	TRUE	5.53E-13
FVC	ATP6V0A1	cg00706536	rs74670515	C	T	0.516	0.069	0.028	8.96E-14	-0.005	0.007	0.467	0.015	55.553	TRUE	2.31E-13
FVC	ATP6V0A1	cg15269394	rs35111218	T	G	0.152	0.027	0.253	2.05E-08	-0.006	0.003	0.025	0.008	31.428	TRUE	8.36E-08
FVC	ATP6V0A1	cg20082357	rs9897504	T	C	-0.145	0.026	0.274	2.20E-08	0.010	0.003	2.37E-04	0.008	31.296	TRUE	1.96E-07
FVC	ATP6V0A2	cg02460419	rs10773024	G	C	-0.393	0.057	0.042	5.34E-12	-0.004	0.006	0.463	0.013	47.533	TRUE	1.22E-11
FVC	ATP6V0A2	cg02460419	rs112002563	T	C	0.366	0.058	0.046	2.31E-10	-0.012	0.006	0.036	0.011	40.160	TRUE	1.09E-09
FVC	ATP6V0A2	cg02460419	rs141433349	A	G	0.340	0.059	0.035	7.83E-09	0.004	0.006	0.516	0.009	33.299	TRUE	1.41E-08
FVC	ATP6V0A2	cg02460419	rs147460725	T	G	0.421	0.041	0.084	5.45E-25	-0.002	0.004	0.656	0.028	106.543	TRUE	2.37E-24
FVC	ATP6V0A2	cg02460419	rs2341779	G	A	-0.132	0.024	0.421	2.32E-08	0.005	0.002	0.038	0.008	31.193	TRUE	8.72E-08
FVC	ATP6V0A2	cg02460419	rs34224739	G	A	0.431	0.050	0.060	9.67E-18	-0.008	0.005	0.103	0.019	73.540	TRUE	6.82E-17
FVC	ATP6V0A2	cg02460419	rs35157218	T	C	0.308	0.041	0.218	6.99E-14	-0.002	0.003	0.535	0.015	56.042	TRUE	1.69E-13
FVC	ATP6V0A2	cg02460419	rs3926666	C	T	0.153	0.025	0.310	1.07E-09	0.001	0.003	0.699	0.010	37.165	TRUE	1.75E-09
FVC	ATP6V0A2	cg02460419	rs4930730	T	G	-0.222	0.024	0.476	9.42E-21	-0.001	0.002	0.803	0.023	87.233	TRUE	2.57E-20
FVC	ATP6V0A2	cg02460419	rs6488898	G	A	0.321	0.058	0.076	3.89E-08	0.004	0.005	0.392	0.008	30.188	TRUE	7.44E-08
FVC	ATP6V0A2	cg02460419	rs7313032	A	G	0.664	0.023	0.423	3.53E-183	-0.003	0.002	0.231	0.184	832.597	TRUE	6.08E-168
FVC	ATP6V0A2	cg04140754	rs111853781	G	T	-0.994	0.092	0.017	5.03E-27	-0.022	0.009	0.012	0.030	115.824	TRUE	2.12E-25
FVC	ATP6V0A2	cg04140754	rs117209788	T	C	0.471	0.041	0.086	3.62E-31	-0.002	0.004	0.634	0.035	134.744	TRUE	2.72E-30
FVC	ATP6V0A2	cg04140754	rs13303334	G	A	0.262	0.042	0.215	3.67E-10	-0.003	0.003	0.363	0.011	39.259	TRUE	8.47E-10
FVC	ATP6V0A2	cg04140754	rs138808037	T	C	0.372	0.068	0.030	4.60E-08	0.007	0.007	0.352	0.008	29.861	TRUE	9.17E-08
FVC	ATP6V0A2	cg04140754	rs141433349	A	G	0.407	0.059	0.035	3.84E-12	0.004	0.006	0.516	0.013	48.177	TRUE	8.43E-12
FVC	ATP6V0A2	cg04140754	rs2203500	G	A	0.747	0.023	0.404	7.01E-236	-0.001	0.002	0.561	0.225	1074.911	TRUE	2.60E-213
FVC	ATP6V0A2	cg04140754	rs2674505	G	A	0.293	0.024	0.411	1.03E-35	0.001	0.002	0.694	0.040	155.527	TRUE	1.01E-34
FVC	ATP6V0A2	cg04140754	rs28531860	G	A	0.141	0.025	0.321	2.58E-08	0.006	0.003	0.021	0.008	30.984	TRUE	1.09E-07
FVC	ATP6V0A2	cg04140754	rs3926666	C	T	0.169	0.025	0.310	1.76E-11	0.001	0.003	0.699	0.012	45.196	TRUE	3.15E-11
FVC	ATP6V0A2	cg04140754	rs55920625	A	C	0.550	0.049	0.061	9.41E-29	-0.008	0.005	0.099	0.032	123.714	TRUE	1.94E-27
FVC	ATP6V0A2	cg04140754	rs6488898	G	A	0.361	0.058	0.076	4.65E-10	0.004	0.005	0.392	0.010	38.799	TRUE	1.01E-09
FVC	ATP6V0A2	cg04140754	rs7138100	A	C	-0.237	0.025	0.344	8.81E-22	0.006	0.003	0.020	0.024	91.918	TRUE	1.68E-20
FVC	ATP6V0A2	cg06735598	rs10773039	A	G	-0.171	0.023	0.459	2.21E-13	0.000	0.002	0.876	0.014	53.777	TRUE	3.73E-13
FVC	ATP6V0A2	cg06735598	rs10846530	C	G	0.436	0.065	0.031	2.65E-11	-0.008	0.006	0.192	0.012	44.392	TRUE	8.36E-11
FVC	ATP6V0A2	cg06735598	rs112002563	T	C	-0.475	0.058	0.046	1.59E-16	-0.012	0.006	0.036	0.018	68.014	TRUE	1.43E-15
FVC	ATP6V0A2	cg06735598	rs11615300	G	A	-0.825	0.021	0.419	<1E-200	-0.003	0.002	0.175	0.297	1564.659	TRUE	7.63E-298

FVC	ATP6V0A2	cg06735598	rs116981002	G	A	0.410	0.071	0.056	7.74E-09	0.012	0.006	0.035	0.009	33.320	TRUE	3.14E-08
FVC	ATP6V0A2	cg06735598	rs11834698	G	A	-0.386	0.063	0.038	8.20E-10	-0.005	0.006	0.393	0.010	37.691	TRUE	1.77E-09
FVC	ATP6V0A2	cg06735598	rs141433349	A	G	-0.345	0.059	0.035	4.75E-09	0.004	0.006	0.516	0.009	34.269	TRUE	8.66E-09
FVC	ATP6V0A2	cg06735598	rs143928387	T	C	-0.444	0.041	0.085	2.00E-27	-0.002	0.004	0.644	0.031	117.654	TRUE	1.08E-26
FVC	ATP6V0A2	cg06735598	rs2674506	C	T	-0.321	0.024	0.412	6.10E-41	-0.002	0.002	0.379	0.046	179.444	TRUE	1.86E-39
FVC	ATP6V0A2	cg06735598	rs34224739	G	A	-0.519	0.050	0.060	4.45E-25	-0.008	0.005	0.103	0.028	106.944	TRUE	6.33E-24
FVC	ATP6V0A2	cg06735598	rs35157218	T	C	-0.392	0.041	0.218	9.44E-22	-0.002	0.003	0.535	0.024	91.782	TRUE	3.89E-21
FVC	ATP6V0A2	cg06735598	rs3926666	C	T	-0.167	0.025	0.310	3.47E-11	0.001	0.003	0.699	0.012	43.869	TRUE	6.12E-11
FVC	ATP6V0A2	cg06735598	rs6488907	A	G	0.143	0.025	0.296	1.52E-08	-0.005	0.003	0.079	0.009	32.013	TRUE	5.01E-08
FVC	ATP6V0A2	cg06735598	rs7964876	T	C	-0.330	0.044	0.068	6.83E-14	-0.010	0.005	0.034	0.015	56.085	TRUE	4.73E-13
FVC	ATP6V0A2	cg16376770	rs7302788	C	T	-0.147	0.024	0.406	8.92E-10	-0.001	0.002	0.547	0.010	37.527	TRUE	1.63E-09
FVC	ATP6V0A2	cg17306339	rs111260541	A	G	0.908	0.096	0.018	3.45E-21	-0.018	0.009	0.042	0.024	89.221	TRUE	4.77E-20
FVC	ATP6V0A2	cg17306339	rs4040225	A	G	0.182	0.024	0.453	6.93E-14	-0.004	0.002	0.074	0.015	56.057	TRUE	3.71E-13
FVC	ATP6V0A2	cg21179092	rs7133199	C	A	0.237	0.024	0.423	2.38E-23	-0.003	0.002	0.203	0.026	99.063	TRUE	1.98E-22
FVC	ATP6V0A2	cg25710520	rs11572926	G	A	0.272	0.049	0.060	3.65E-08	-0.009	0.005	0.074	0.008	30.308	TRUE	1.16E-07
FVC	ATP6V0A2	cg25710520	rs117209788	T	C	-0.282	0.041	0.086	5.11E-12	-0.002	0.004	0.634	0.013	47.619	TRUE	9.98E-12
FVC	ATP6V0A2	cg25710520	rs11837256	T	A	-0.543	0.024	0.404	5.25E-118	-0.001	0.002	0.605	0.126	533.070	TRUE	3.25E-111
FVC	ATP6V0A2	cg25710520	rs13303189	T	A	-0.277	0.042	0.211	6.14E-11	-0.002	0.003	0.423	0.011	42.752	TRUE	1.38E-10
FVC	ATP6V0A2	cg25710520	rs2674505	G	A	-0.186	0.024	0.411	3.77E-15	0.001	0.002	0.694	0.016	61.783	TRUE	8.13E-15
FVC	ATP6V0A2	cg25710520	rs55920625	A	C	-0.317	0.050	0.061	1.82E-10	-0.008	0.005	0.099	0.011	40.632	TRUE	6.59E-10
FVC	ATP6V0D1	cg04726373	rs147994279	T	C	-0.535	0.062	0.035	6.91E-18	-0.018	0.007	0.006	0.020	74.202	TRUE	1.22E-16
FVC	ATP6V0D1	cg06120000	rs75204333	C	T	0.377	0.055	0.045	1.02E-11	-0.001	0.006	0.866	0.012	46.268	TRUE	1.59E-11
FVC	ATP6V0D1	cg07871059	rs55966046	A	C	-0.342	0.044	0.074	5.47E-15	-0.014	0.004	0.002	0.016	61.051	TRUE	9.12E-14
FVC	ATP6V0D1	cg08830672	rs111986796	T	C	0.743	0.091	0.020	2.52E-16	-0.018	0.010	0.061	0.018	67.107	TRUE	1.88E-15
FVC	ATP6V0D1	cg08830672	rs55966046	A	C	-0.480	0.044	0.074	2.89E-28	-0.014	0.004	0.002	0.032	121.491	TRUE	2.71E-26
FVC	ATP6V0D1	cg08830672	rs8051517	C	T	-0.325	0.050	0.057	1.06E-10	-0.002	0.005	0.644	0.011	41.685	TRUE	1.90E-10
FVC	ATP6V0D1	cg08830672	rs9930024	C	T	-0.152	0.024	0.400	2.84E-10	0.001	0.002	0.551	0.011	39.759	TRUE	5.34E-10
FVC	ATP6V0D1	cg10189135	rs111986796	T	C	0.576	0.091	0.020	2.23E-10	-0.018	0.010	0.061	0.011	40.228	TRUE	9.27E-10
FVC	ATP6V0D1	cg10189135	rs55966046	A	C	-0.405	0.044	0.074	1.73E-20	-0.014	0.004	0.002	0.023	86.033	TRUE	5.90E-19
FVC	ATP6V1C1	cg03506193	rs116549961	A	G	0.788	0.042	0.100	8.73E-79	-0.004	0.004	0.383	0.087	352.960	TRUE	4.84E-75
FVC	ATP6V1C1	cg03506193	rs11774996	A	T	0.187	0.034	0.169	3.22E-08	0.000	0.003	0.992	0.008	30.551	TRUE	3.94E-08
FVC	ATP6V1C1	cg03506193	rs7825152	G	C	0.175	0.027	0.298	1.34E-10	-0.003	0.003	0.330	0.011	41.234	TRUE	3.23E-10
FVC	ATP6V1C1	cg03506193	rs79956307	T	C	0.484	0.087	0.020	2.60E-08	-0.005	0.009	0.612	0.008	30.972	TRUE	4.20E-08
FVC	ATP6V1C1	cg07079489	rs2458275	A	C	-1.118	0.089	0.044	2.54E-36	0.006	0.006	0.284	0.041	158.308	TRUE	6.02E-35
FVC	ATP6V1C1	cg07079489	rs2515198	T	A	-0.153	0.027	0.332	1.10E-08	0.006	0.003	0.019	0.009	32.631	TRUE	5.00E-08
FVC	ATP6V1C1	cg23420841	rs10283404	C	A	0.159	0.026	0.431	5.35E-10	-0.002	0.002	0.406	0.010	38.523	TRUE	1.15E-09
FVC	ATP6V1C1	cg23420841	rs2458286	C	T	0.160	0.027	0.344	1.57E-09	0.001	0.003	0.610	0.010	36.424	TRUE	2.73E-09
FVC	ATP6V1C1	cg23420841	rs2515174	G	C	-0.317	0.026	0.377	1.12E-34	-0.005	0.002	0.033	0.039	150.780	TRUE	8.03E-33
FVC	ATP6V1C1	cg23420841	rs72669327	T	C	0.472	0.042	0.100	2.23E-29	-0.002	0.004	0.578	0.033	126.573	TRUE	1.54E-28
FVC	ATP6V1C2	cg01089589	rs11902342	G	A	0.135	0.023	0.451	5.88E-09	-0.006	0.002	0.007	0.009	33.856	TRUE	3.25E-08
FVC	ATP6V1C2	cg01089589	rs17455729	A	G	-0.888	0.041	0.077	3.69E-103	0.010	0.004	0.015	0.112	464.871	TRUE	4.26E-96
FVC	ATP6V1C2	cg01089589	rs3856466	T	C	0.246	0.029	0.209	1.74E-17	-0.001	0.003	0.712	0.019	72.381	TRUE	4.32E-17

FVC	ATP6V1C2	cg08352575	rs1318010	A	G	0.197	0.024	0.384	6.92E-16	0.001	0.002	0.778	0.017	65.120	TRUE	1.46E-15
FVC	ATP6V1C2	cg08352575	rs146004635	A	G	-0.751	0.061	0.037	5.09E-35	-0.010	0.006	0.111	0.040	152.355	TRUE	1.95E-33
FVC	ATP6V1C2	cg08352575	rs150958118	T	C	-1.072	0.172	0.012	4.87E-10	-0.003	0.011	0.754	0.010	38.708	TRUE	7.68E-10
FVC	ATP6V1C2	cg08352575	rs2969882	C	T	0.690	0.025	0.273	4.13E-168	-0.010	0.003	2.84E-04	0.171	763.329	TRUE	3.18E-152
FVC	ATP6V1C2	cg08352575	rs2969891	A	G	0.302	0.025	0.302	1.06E-33	0.000	0.003	0.997	0.038	146.319	TRUE	5.68E-33
FVC	ATP6V1C2	cg08352575	rs34847718	T	C	0.136	0.024	0.463	6.85E-09	0.001	0.002	0.762	0.009	33.560	TRUE	1.01E-08
FVC	ATP6V1C2	cg08352575	rs3856466	T	C	-0.861	0.028	0.209	6.63E-213	-0.001	0.003	0.712	0.208	969.265	TRUE	2.73E-194
FVC	ATP6V1C2	cg08352575	rs4669620	C	G	0.326	0.035	0.122	1.06E-20	-0.005	0.004	0.146	0.023	87.000	TRUE	8.52E-20
FVC	ATP6V1C2	cg08352575	rs72781424	T	C	-0.256	0.045	0.071	1.78E-08	-0.006	0.004	0.135	0.008	31.703	TRUE	4.94E-08
FVC	ATP6V1C2	cg08803791	rs1198842	T	G	0.147	0.024	0.397	9.77E-10	-0.010	0.002	7.06E-05	0.010	37.351	TRUE	1.27E-08
FVC	ATP6V1C2	cg08803791	rs12465136	T	A	0.163	0.028	0.242	3.53E-09	-0.002	0.003	0.407	0.009	34.848	TRUE	7.12E-09
FVC	ATP6V1C2	cg08803791	rs6737844	C	T	-0.331	0.024	0.409	5.83E-45	0.006	0.002	0.020	0.051	197.851	TRUE	1.80E-42
FVC	ATP6V1C2	cg18436444	rs1734422	C	A	-0.185	0.024	0.438	3.92E-15	0.005	0.002	0.030	0.016	61.704	TRUE	3.34E-14
FVC	ATP6V1C2	cg21879157	rs11885275	G	A	-0.200	0.028	0.239	5.56E-13	0.003	0.003	0.284	0.014	51.967	TRUE	1.72E-12
FVC	ATP6V1C2	cg22243662	rs113787127	C	T	-0.271	0.034	0.136	1.30E-15	-0.002	0.003	0.488	0.017	63.880	TRUE	3.71E-15
FVC	ATP6V1C2	cg22243662	rs12468286	A	G	0.130	0.023	0.457	2.28E-08	0.001	0.002	0.646	0.008	31.222	TRUE	3.60E-08
FVC	ATP6V1C2	cg26301562	rs1060011	A	G	0.770	0.123	0.018	3.71E-10	0.001	0.009	0.883	0.010	39.239	TRUE	5.30E-10
FVC	ATP6V1C2	cg26301562	rs34533775	C	T	-0.179	0.024	0.379	7.69E-14	0.006	0.002	0.016	0.015	55.854	TRUE	6.56E-13
FVC	BAX	cg01284415	rs11666105	C	T	-0.195	0.030	0.178	1.45E-10	-0.001	0.003	0.677	0.011	41.071	TRUE	2.51E-10
FVC	BAX	cg01284415	rs140747916	T	A	0.433	0.040	0.100	3.12E-27	-0.009	0.004	0.019	0.031	116.769	TRUE	1.13E-25
FVC	BAX	cg01284415	rs1862492	C	T	-0.508	0.023	0.381	2.44E-104	0.004	0.002	0.123	0.113	470.293	TRUE	6.13E-98
FVC	BAX	cg01284415	rs4645881	C	T	0.543	0.046	0.135	1.33E-31	-0.015	0.003	4.56E-06	0.036	136.725	TRUE	9.33E-29
FVC	BAX	cg14833160	rs140747916	T	A	0.347	0.040	0.100	5.52E-18	-0.009	0.004	0.019	0.020	74.645	TRUE	7.10E-17
FVC	BAX	cg14833160	rs1862492	C	T	-0.312	0.024	0.381	7.43E-39	0.004	0.002	0.123	0.044	169.900	TRUE	4.12E-37
FVC	BAX	cg14833160	rs4645881	C	T	0.532	0.046	0.135	2.36E-30	-0.015	0.003	4.56E-06	0.034	131.023	TRUE	1.35E-27
FVC	BAX	cg26673286	rs1009316	T	C	-0.325	0.047	0.116	7.04E-12	-0.013	0.004	1.45E-04	0.013	46.991	TRUE	1.18E-10
FVC	BAX	cg27565645	rs11671610	T	A	0.875	0.049	0.113	6.68E-72	-0.012	0.004	5.58E-04	0.080	321.369	TRUE	8.43E-67
FVC	BAX	cg27565645	rs1862492	C	T	-0.310	0.024	0.381	1.55E-38	0.004	0.002	0.123	0.044	168.438	TRUE	8.30E-37
FVC	BAX	cg27565645	rs58969991	A	G	0.521	0.065	0.064	1.22E-15	-0.006	0.005	0.183	0.017	63.997	TRUE	5.65E-15
FVC	BAX	cg27565645	rs73942356	G	T	0.336	0.051	0.053	2.91E-11	-0.001	0.005	0.891	0.012	44.214	TRUE	4.33E-11
FVC	BCL2	cg08223235	rs3810027	G	C	-0.404	0.024	0.347	1.60E-63	-0.005	0.003	0.059	0.071	282.926	TRUE	4.03E-60
FVC	BCL2	cg08223235	rs9320014	C	T	0.269	0.044	0.079	7.79E-10	0.001	0.004	0.788	0.010	37.790	TRUE	1.19E-09
FVC	BCL2	cg12090740	rs2551399	C	T	0.327	0.037	0.105	1.19E-18	-0.004	0.004	0.278	0.021	77.679	TRUE	5.73E-18
FVC	BCL2	cg12090740	rs62098661	A	G	-0.275	0.024	0.416	3.16E-31	-0.008	0.002	7.66E-04	0.035	135.011	TRUE	5.33E-29
FVC	BCL2	cg12459502	rs6567331	G	A	0.174	0.026	0.275	2.40E-11	-0.008	0.003	0.004	0.012	44.590	TRUE	2.06E-10
FVC	BCL2	cg16445842	rs2279115	G	T	-0.161	0.023	0.480	3.23E-12	0.009	0.002	1.32E-04	0.013	48.516	TRUE	5.44E-11
FVC	BCL2	cg21793948	rs2551402	A	C	0.169	0.023	0.482	3.49E-13	0.010	0.002	6.28E-05	0.014	52.884	TRUE	7.82E-12
FVC	BCL2	cg23707289	rs1801018	C	T	-0.400	0.023	0.423	7.53E-66	-0.007	0.002	0.004	0.074	293.604	TRUE	1.34E-61
FVC	BCL2	cg23707289	rs746987	G	A	0.205	0.032	0.158	1.64E-10	0.002	0.003	0.474	0.011	40.836	TRUE	3.39E-10
FVC	BCL2	cg23756272	rs3810027	G	C	0.193	0.024	0.347	2.01E-15	-0.005	0.003	0.059	0.017	63.021	TRUE	1.37E-14
FVC	BCL2	cg25059899	rs9967405	G	A	0.962	0.043	0.092	4.88E-109	0.006	0.005	0.187	0.117	491.871	TRUE	2.21E-102
FVC	BCL2	cg26277730	rs698708	C	G	0.174	0.027	0.248	8.03E-11	0.009	0.003	8.51E-04	0.011	42.228	TRUE	8.63E-10

FVC	BCL2L1	cg00300298	rs17093657	A	G	0.177	0.029	0.206	1.01E-09	-0.011	0.003	1.17E-04	0.010	37.284	TRUE	1.24E-08
FVC	BCL2L1	cg00300298	rs4911300	A	G	-0.157	0.027	0.261	3.95E-09	-0.001	0.003	0.617	0.009	34.631	TRUE	6.63E-09
FVC	BCL2L1	cg00300298	rs74384244	A	G	-0.523	0.043	0.084	1.43E-34	-0.014	0.005	0.002	0.039	150.303	TRUE	2.68E-32
FVC	BCL2L1	cg08257293	rs118183288	A	G	0.474	0.068	0.030	3.77E-12	-0.016	0.007	0.018	0.013	48.217	TRUE	2.59E-11
FVC	BCL2L1	cg08257293	rs138363779	T	C	0.459	0.070	0.031	4.46E-11	-0.004	0.007	0.544	0.012	43.377	TRUE	8.86E-11
FVC	BCL2L1	cg08257293	rs141235157	G	A	0.374	0.064	0.034	5.63E-09	-0.007	0.007	0.375	0.009	33.941	TRUE	1.17E-08
FVC	BCL2L1	cg08257293	rs6058473	A	G	-0.265	0.044	0.079	1.91E-09	-0.015	0.005	0.001	0.010	36.039	TRUE	1.58E-08
FVC	BCL2L1	cg08257293	rs6059740	A	G	-0.150	0.023	0.486	1.64E-10	0.006	0.002	0.014	0.011	40.830	TRUE	9.91E-10
FVC	BCL2L1	cg08257293	rs7266926	C	A	0.203	0.025	0.306	6.04E-16	-0.004	0.003	0.166	0.017	65.387	TRUE	3.01E-15
FVC	BCL2L1	cg08257293	rs77130187	A	G	0.512	0.029	0.196	2.06E-69	-0.011	0.003	1.39E-04	0.077	309.948	TRUE	2.87E-64
FVC	BCL2L1	cg12873919	rs117973647	T	C	0.423	0.070	0.027	1.47E-09	-0.009	0.007	0.226	0.010	36.561	TRUE	3.82E-09
FVC	BCL2L1	cg12873919	rs118183288	A	G	0.428	0.068	0.030	3.18E-10	-0.016	0.007	0.018	0.011	39.538	TRUE	1.75E-09
FVC	BCL2L1	cg12873919	rs534887597	C	T	0.546	0.094	0.018	7.07E-09	-0.004	0.007	0.544	0.009	33.496	TRUE	1.24E-08
FVC	BCL2L1	cg12873919	rs6058963	A	G	0.191	0.026	0.284	1.34E-13	-0.005	0.003	0.071	0.015	54.761	TRUE	7.09E-13
FVC	BCL2L1	cg12873919	rs6060989	T	C	0.464	0.029	0.206	2.30E-59	-0.011	0.003	1.21E-04	0.067	263.862	TRUE	6.40E-55
FVC	BCL2L1	cg12873919	rs6060990	G	C	-0.238	0.043	0.084	2.87E-08	-0.013	0.005	0.003	0.008	30.775	TRUE	1.71E-07
FVC	BCL2L1	cg13852791	rs112702898	C	T	0.683	0.057	0.042	1.41E-33	-0.005	0.006	0.412	0.038	145.763	TRUE	1.90E-32
FVC	BCL2L1	cg13852791	rs117532975	C	T	0.690	0.067	0.030	1.60E-24	-0.018	0.007	0.008	0.027	104.410	TRUE	5.74E-23
FVC	BCL2L1	cg13852791	rs12625006	G	A	-0.342	0.036	0.130	7.68E-22	0.005	0.004	0.141	0.024	92.190	TRUE	6.93E-21
FVC	BCL2L1	cg13852791	rs143955308	T	C	0.813	0.090	0.019	1.69E-19	-0.022	0.008	0.004	0.022	81.531	TRUE	4.06E-18
FVC	BCL2L1	cg13852791	rs150780693	A	G	0.721	0.072	0.024	9.24E-24	-0.009	0.007	0.203	0.027	100.936	TRUE	8.23E-23
FVC	BCL2L1	cg13852791	rs1883508	T	C	0.172	0.024	0.417	6.20E-13	-0.007	0.002	0.002	0.014	51.755	TRUE	7.26E-12
FVC	BCL2L1	cg13852791	rs215912	C	T	0.346	0.023	0.463	1.21E-49	-0.005	0.002	0.021	0.056	219.296	TRUE	7.74E-47
FVC	BCL2L1	cg13852791	rs34355888	T	C	0.238	0.023	0.494	2.64E-24	-0.003	0.002	0.171	0.027	103.416	TRUE	2.70E-23
FVC	BCL2L1	cg13852791	rs532287910	T	G	-0.296	0.044	0.075	1.67E-11	0.001	0.004	0.788	0.012	45.302	TRUE	2.73E-11
FVC	BCL2L1	cg13852791	rs56073203	T	C	-0.341	0.055	0.107	4.95E-10	0.013	0.005	0.005	0.010	38.678	TRUE	3.40E-09
FVC	BCL2L1	cg13852791	rs564151217	A	C	-0.237	0.036	0.115	3.35E-11	0.003	0.004	0.362	0.012	43.939	TRUE	8.21E-11
FVC	BCL2L1	cg13852791	rs6058012	A	G	-0.307	0.023	0.486	1.08E-39	0.006	0.002	0.016	0.045	173.733	TRUE	2.10E-37
FVC	BCL2L1	cg13852791	rs6058259	G	A	0.931	0.023	0.271	<1E-200	-0.014	0.003	1.44E-07	0.314	1693.159	TRUE	<1E-200
FVC	BCL2L1	cg13852791	rs6058513	C	G	0.239	0.026	0.264	1.04E-19	0.002	0.003	0.458	0.022	82.494	TRUE	4.02E-19
FVC	BCL2L1	cg13852791	rs6087803	C	T	-0.318	0.055	0.046	7.63E-09	-0.003	0.005	0.572	0.009	33.350	TRUE	1.30E-08
FVC	BCL2L1	cg13852791	rs6089101	A	G	-0.226	0.024	0.353	1.97E-20	0.004	0.003	0.096	0.023	85.777	TRUE	1.79E-19
FVC	BCL2L1	cg13852791	rs7270565	T	C	0.639	0.056	0.043	3.05E-30	-0.015	0.006	0.007	0.034	130.518	TRUE	2.32E-28
FVC	BCL2L1	cg13852791	rs73612002	A	G	0.627	0.042	0.085	1.29E-50	-0.015	0.004	5.76E-04	0.057	223.749	TRUE	4.29E-47
FVC	BCL2L1	cg13852791	rs76386673	A	T	-0.192	0.034	0.142	1.95E-08	0.005	0.003	0.129	0.008	31.528	TRUE	5.51E-08
FVC	BCL2L1	cg13989999	rs141235157	G	A	0.383	0.064	0.034	2.33E-09	-0.007	0.007	0.375	0.010	35.655	TRUE	4.97E-09
FVC	BCL2L1	cg13989999	rs6059440	A	G	0.152	0.025	0.310	1.06E-09	-0.010	0.003	1.20E-04	0.010	37.194	TRUE	1.28E-08
FVC	BCL2L1	cg13989999	rs7266148	T	G	0.395	0.029	0.201	3.35E-42	-0.011	0.003	1.81E-04	0.048	185.215	TRUE	4.74E-39
FVC	BCL2L14	cg00630991	rs12824766	G	T	-0.153	0.024	0.404	1.58E-10	0.005	0.003	0.037	0.011	40.901	TRUE	7.53E-10
FVC	BCL2L14	cg00630991	rs2448049	G	A	-0.352	0.026	0.272	1.72E-41	0.001	0.003	0.797	0.047	181.963	TRUE	2.57E-40
FVC	BCL2L14	cg00630991	rs79355548	A	C	0.369	0.052	0.055	1.70E-12	-0.014	0.005	0.005	0.013	49.773	TRUE	1.56E-11
FVC	BCL2L14	cg01175610	rs2287153	C	T	-0.224	0.026	0.266	4.41E-18	0.007	0.003	0.011	0.020	75.090	TRUE	6.67E-17

FVC	BCL2L14	cg01175610	rs7972500	C	G	0.156	0.027	0.278	4.15E-09	-0.005	0.003	0.040	0.009	34.534	TRUE	1.66E-08
FVC	BCL2L14	cg01934781	rs2287153	C	T	-0.308	0.026	0.266	4.78E-33	0.007	0.003	0.011	0.037	143.334	TRUE	4.26E-31
FVC	BCL2L14	cg10156274	rs2448050	G	A	-0.129	0.023	0.432	2.93E-08	-0.002	0.002	0.353	0.008	30.737	TRUE	5.88E-08
FVC	BCL2L14	cg10156274	rs73053321	T	C	-0.884	0.107	0.022	1.41E-16	-0.003	0.008	0.713	0.018	68.259	TRUE	3.29E-16
FVC	BCL2L14	cg10156274	rs73053329	G	T	0.339	0.051	0.058	3.22E-11	-0.013	0.005	0.006	0.012	44.017	TRUE	2.52E-10
FVC	BCL2L14	cg10156274	rs879732	C	T	-0.188	0.024	0.427	3.57E-15	0.003	0.002	0.175	0.016	61.888	TRUE	1.59E-14
FVC	BCL2L14	cg18223430	rs11054647	A	G	-1.117	0.046	0.066	4.56E-131	0.003	0.005	0.546	0.138	593.079	TRUE	6.83E-123
FVC	BCL2L14	cg18223430	rs11054690	C	G	-0.179	0.031	0.166	6.51E-09	0.005	0.003	0.125	0.009	33.657	TRUE	1.91E-08
FVC	BCL2L14	cg18223430	rs144716119	C	A	-0.659	0.097	0.013	1.21E-11	-0.010	0.010	0.329	0.012	45.925	TRUE	3.20E-11
FVC	BCL2L14	cg18223430	rs1904238	G	A	-0.249	0.025	0.338	7.86E-24	0.002	0.003	0.479	0.027	101.258	TRUE	3.96E-23
FVC	BCL2L14	cg18223430	rs1990699	C	G	-0.663	0.024	0.319	1.52E-171	0.007	0.003	0.005	0.174	779.112	TRUE	4.00E-156
FVC	BCL2L14	cg18223430	rs2448047	T	G	0.170	0.023	0.431	3.94E-13	-0.002	0.002	0.379	0.014	52.646	TRUE	1.07E-12
FVC	BCL2L14	cg18223430	rs67704716	A	G	0.208	0.030	0.208	1.64E-12	-0.005	0.003	0.099	0.013	49.848	TRUE	7.24E-12
FVC	BCL2L14	cg18223430	rs7958777	A	C	0.394	0.049	0.119	8.32E-16	-0.007	0.004	0.062	0.017	64.757	TRUE	5.82E-15
FVC	BCL2L14	cg20141578	rs10845467	C	T	0.397	0.024	0.418	4.11E-62	-0.003	0.002	0.190	0.070	276.464	TRUE	3.55E-59
FVC	BCL2L14	cg20141578	rs137918478	T	C	0.394	0.054	0.052	1.84E-13	-0.019	0.005	2.11E-04	0.014	54.141	TRUE	3.64E-12
FVC	BCL2L14	cg20141578	rs139138993	G	T	-0.872	0.023	0.265	<1E-200	-0.006	0.003	0.026	0.284	1469.445	TRUE	2.50E-280
FVC	BCL2L14	cg20141578	rs1641719	T	C	0.351	0.037	0.232	4.72E-21	-0.003	0.003	0.333	0.023	88.599	TRUE	2.57E-20
FVC	BCL2L14	cg20141578	rs16907647	C	T	0.357	0.047	0.061	3.76E-14	0.002	0.005	0.674	0.015	57.259	TRUE	7.98E-14
FVC	BCL2L14	cg20141578	rs16907705	C	T	0.212	0.024	0.382	1.33E-18	0.000	0.002	0.998	0.021	77.448	TRUE	2.58E-18
FVC	BCL2L14	cg20141578	rs17757771	G	A	-0.676	0.055	0.045	1.30E-34	0.018	0.006	0.001	0.039	150.490	TRUE	2.94E-32
FVC	BCL2L14	cg20141578	rs17757816	C	T	-0.562	0.048	0.119	2.53E-31	-0.007	0.004	0.062	0.035	135.453	TRUE	8.72E-30
FVC	BCL2L14	cg20141578	rs2160525	A	G	0.188	0.031	0.190	9.78E-10	0.001	0.003	0.828	0.010	37.347	TRUE	1.42E-09
FVC	BCL2L14	cg20141578	rs4469989	T	C	0.194	0.024	0.448	2.03E-16	-0.004	0.002	0.082	0.018	67.541	TRUE	1.33E-15
FVC	BCL2L14	cg20141578	rs6488497	G	C	-0.357	0.046	0.083	1.46E-14	0.000	0.004	0.982	0.016	59.117	TRUE	2.35E-14
FVC	BCL2L14	cg20141578	rs885637	A	G	0.348	0.025	0.298	1.04E-42	-0.003	0.003	0.177	0.048	187.541	TRUE	7.19E-41
FVC	BCL2L14	cg20481287	rs10845467	C	T	0.306	0.024	0.418	4.98E-37	-0.003	0.002	0.190	0.042	161.542	TRUE	1.75E-35
FVC	BCL2L14	cg20481287	rs10845488	C	A	0.174	0.031	0.176	1.39E-08	-0.006	0.003	0.040	0.009	32.188	TRUE	5.31E-08
FVC	BCL2L14	cg20481287	rs11054679	T	C	-0.169	0.024	0.360	3.78E-12	0.003	0.002	0.161	0.013	48.208	TRUE	1.38E-11
FVC	BCL2L14	cg20481287	rs17757771	G	A	-0.570	0.055	0.045	5.95E-25	0.018	0.006	0.001	0.028	106.368	TRUE	3.70E-23
FVC	BCL2L14	cg20481287	rs2909003	C	T	0.384	0.040	0.095	4.01E-22	0.000	0.004	0.950	0.025	93.474	TRUE	1.01E-21
FVC	BCL2L14	cg20481287	rs4469989	T	C	0.140	0.024	0.448	3.52E-09	-0.004	0.002	0.082	0.009	34.856	TRUE	1.17E-08
FVC	BCL2L14	cg20481287	rs4763773	G	A	-0.761	0.024	0.263	9.26E-212	0.007	0.003	0.012	0.207	963.997	TRUE	1.15E-190
FVC	BCL2L14	cg20481287	rs74531406	A	G	0.273	0.044	0.072	8.37E-10	-0.006	0.004	0.127	0.010	37.652	TRUE	2.67E-09
FVC	BCL2L14	cg20481287	rs885637	A	G	0.293	0.025	0.298	1.67E-30	-0.003	0.003	0.177	0.034	131.708	TRUE	3.06E-29
FVC	BCL2L14	cg24921858	rs17757771	G	A	-0.314	0.056	0.045	1.54E-08	0.018	0.006	0.001	0.009	31.985	TRUE	1.06E-07
FVC	BCL2L14	cg24921858	rs1990699	C	G	-0.387	0.025	0.319	1.03E-55	0.007	0.003	0.005	0.063	247.123	TRUE	3.09E-52
FVC	BCL2L14	cg24921858	rs7972500	C	G	0.187	0.027	0.278	2.42E-12	-0.005	0.003	0.040	0.013	49.085	TRUE	1.36E-11
FVC	BCL2L14	cg27366072	rs2287153	C	T	-0.227	0.026	0.266	1.46E-18	0.007	0.003	0.011	0.020	77.275	TRUE	2.33E-17
FVC	BEST1	cg22892043	rs12225574	G	A	0.244	0.042	0.082	8.44E-09	-0.005	0.004	0.255	0.009	33.153	TRUE	1.96E-08
FVC	BIRC2	cg06323957	rs11225312	A	G	0.314	0.034	0.131	4.35E-20	0.004	0.004	0.217	0.022	84.210	TRUE	2.67E-19
FVC	BIRC2	cg06323957	rs11605573	T	G	0.958	0.044	0.074	6.52E-107	0.012	0.005	0.012	0.115	482.108	TRUE	2.05E-99

FVC	BIRC2	cg06323957	rs117994429	G	A	0.638	0.079	0.021	8.50E-16	0.018	0.008	0.019	0.017	64.716	TRUE	8.68E-15
FVC	BIRC2	cg06323957	rs12576911	G	A	0.203	0.025	0.300	1.74E-15	0.002	0.003	0.547	0.017	63.306	TRUE	4.46E-15
FVC	BIRC2	cg06323957	rs1893729	G	A	0.219	0.035	0.128	4.23E-10	0.002	0.004	0.594	0.010	38.982	TRUE	7.55E-10
FVC	BIRC2	cg06323957	rs35273026	T	C	0.530	0.074	0.024	7.12E-13	-0.005	0.007	0.506	0.014	51.482	TRUE	1.65E-12
FVC	BIRC2	cg06323957	rs548336	A	G	0.133	0.023	0.496	1.30E-08	0.000	0.002	0.964	0.009	32.311	TRUE	1.65E-08
FVC	BIRC2	cg06323957	rs74473729	G	A	0.697	0.086	0.017	6.15E-16	0.014	0.009	0.119	0.017	65.353	TRUE	3.45E-15
FVC	BIRC2	cg11114757	rs11225316	T	G	-0.200	0.035	0.129	9.30E-09	0.005	0.004	0.157	0.009	32.965	TRUE	2.52E-08
FVC	BIRC2	cg11114757	rs117994429	G	A	-0.450	0.080	0.021	1.79E-08	0.018	0.008	0.019	0.008	31.694	TRUE	7.92E-08
FVC	BIRC2	cg11114757	rs1318199	C	G	-0.812	0.045	0.071	2.64E-74	0.010	0.005	0.026	0.082	332.394	TRUE	6.83E-70
FVC	BIRC2	cg11114757	rs35273026	T	C	-0.604	0.075	0.024	5.39E-16	-0.005	0.007	0.506	0.017	65.614	TRUE	1.52E-15
FVC	BIRC2	cg11114757	rs74473729	G	A	-0.544	0.087	0.017	3.79E-10	0.014	0.009	0.119	0.010	39.195	TRUE	1.27E-09
FVC	BIRC2	cg11114757	rs7938790	G	A	-0.202	0.026	0.301	2.73E-15	0.001	0.003	0.595	0.017	62.416	TRUE	6.83E-15
FVC	BIRC2	cg11690896	rs11225312	A	G	0.204	0.034	0.131	2.24E-09	0.004	0.004	0.217	0.010	35.731	TRUE	5.81E-09
FVC	BIRC2	cg11690896	rs117994429	G	A	0.498	0.079	0.021	2.67E-10	0.018	0.008	0.019	0.011	39.882	TRUE	1.47E-09
FVC	BIRC2	cg11690896	rs1894115	C	A	0.145	0.025	0.292	1.19E-08	0.002	0.003	0.353	0.009	32.486	TRUE	2.46E-08
FVC	BIRC2	cg11690896	rs2219168	G	C	0.139	0.025	0.316	2.85E-08	0.005	0.003	0.064	0.008	30.793	TRUE	9.53E-08
FVC	BIRC2	cg11690896	rs79028911	C	T	0.651	0.044	0.075	3.23E-50	0.012	0.005	0.012	0.057	221.930	TRUE	2.80E-47
FVC	BMF	cg02313495	rs112777220	T	A	-0.437	0.050	0.058	1.09E-18	0.006	0.005	0.178	0.021	77.848	TRUE	6.50E-18
FVC	BMF	cg02313495	rs34079741	G	A	0.195	0.023	0.453	1.01E-16	0.010	0.002	5.12E-05	0.018	68.914	TRUE	3.90E-15
FVC	BMF	cg02313495	rs34231574	T	C	-1.079	0.015	0.477	<1E-200	-0.013	0.002	7.16E-08	0.570	4905.019	TRUE	<1E-200
FVC	BMF	cg02313495	rs489508	A	G	-0.153	0.024	0.414	1.88E-10	0.001	0.002	0.556	0.011	40.562	TRUE	3.58E-10
FVC	BMF	cg02313495	rs648289	C	T	0.182	0.024	0.416	3.67E-14	-0.001	0.002	0.802	0.015	57.306	TRUE	6.83E-14
FVC	BMF	cg02313495	rs6492936	C	G	-0.417	0.023	0.420	1.98E-70	-0.005	0.002	0.040	0.078	314.611	TRUE	1.98E-66
FVC	BMF	cg02313495	rs8042947	G	A	-0.175	0.026	0.259	3.87E-11	-0.008	0.003	0.004	0.012	43.652	TRUE	3.40E-10
FVC	BMF	cg07712904	rs34245505	G	C	0.184	0.029	0.204	4.17E-10	-0.021	0.003	1.56E-12	0.010	39.008	TRUE	3.22E-08
FVC	BMF	cg07712904	rs3784394	C	T	-0.145	0.023	0.500	3.34E-10	0.005	0.002	0.051	0.011	39.441	TRUE	1.43E-09
FVC	BMF	cg07712904	rs569539	A	G	-0.501	0.025	0.285	4.02E-87	0.011	0.003	1.35E-05	0.096	391.231	TRUE	4.76E-80
FVC	BMF	cg07712904	rs62018159	A	G	0.261	0.029	0.201	3.00E-19	0.003	0.003	0.242	0.021	80.397	TRUE	1.64E-18
FVC	BMF	cg07887985	rs539846	T	G	0.150	0.024	0.483	2.23E-10	0.011	0.002	1.80E-06	0.011	40.232	TRUE	4.89E-09
FVC	BMF	cg09587957	rs11631335	A	G	-0.146	0.026	0.299	1.31E-08	0.012	0.003	2.23E-06	0.009	32.297	TRUE	1.96E-07
FVC	BMF	cg09587957	rs4924423	T	G	-0.218	0.028	0.239	5.87E-15	0.002	0.003	0.407	0.016	60.910	TRUE	1.75E-14
FVC	BMF	cg09587957	rs8023845	T	G	0.427	0.029	0.198	2.26E-49	0.003	0.003	0.283	0.056	218.058	TRUE	2.36E-47
FVC	BMF	cg09749364	rs11637681	G	A	0.177	0.026	0.284	1.11E-11	-0.019	0.003	1.77E-12	0.012	46.091	TRUE	1.37E-09
FVC	BMF	cg17809595	rs569539	A	G	0.155	0.026	0.285	1.32E-09	0.011	0.003	1.35E-05	0.010	36.757	TRUE	1.96E-08
FVC	BMF	cg18494902	rs112777220	T	A	-0.295	0.050	0.058	2.90E-09	0.006	0.005	0.178	0.009	35.233	TRUE	7.89E-09
FVC	BMF	cg18494902	rs12441486	A	G	0.391	0.065	0.038	1.72E-09	0.000	0.006	0.987	0.010	36.247	TRUE	2.22E-09
FVC	BMF	cg18494902	rs12909145	C	T	0.141	0.024	0.448	2.27E-09	0.010	0.002	4.46E-05	0.010	35.706	TRUE	2.78E-08
FVC	BMF	cg23895262	rs56143280	A	G	0.148	0.026	0.292	6.25E-09	0.002	0.003	0.366	0.009	33.737	TRUE	1.29E-08
FVC	BMF	cg23895262	rs648289	C	T	0.261	0.024	0.416	7.48E-28	-0.001	0.002	0.802	0.031	119.603	TRUE	3.34E-27
FVC	BMF	cg26662201	rs34231574	T	C	-0.149	0.024	0.477	3.38E-10	-0.013	0.002	7.16E-08	0.011	39.419	TRUE	9.96E-09
FVC	BMP4	cg01873886	rs112534797	T	G	0.471	0.059	0.043	1.02E-15	0.000	0.006	0.966	0.017	64.358	TRUE	1.77E-15
FVC	BMP4	cg01873886	rs8014071	G	A	0.303	0.024	0.396	2.31E-36	0.004	0.002	0.138	0.041	158.495	TRUE	9.21E-35

FVC	BMP4	cg05923197	rs117687204	A	G	-0.179	0.030	0.192	1.51E-09	-0.008	0.003	0.007	0.010	36.508	TRUE	9.05E-09
FVC	BMP4	cg05923197	rs12892676	T	C	-0.144	0.025	0.348	1.03E-08	-0.003	0.003	0.185	0.009	32.758	TRUE	2.67E-08
FVC	BMP4	cg05923197	rs7154598	T	C	-0.295	0.024	0.457	1.21E-35	-0.003	0.002	0.279	0.040	155.206	TRUE	2.73E-34
FVC	BMP4	cg05923197	rs74860610	G	A	-0.398	0.060	0.039	2.50E-11	0.018	0.006	0.002	0.012	44.507	TRUE	2.43E-10
FVC	BMP4	cg05928290	rs74860610	G	A	-0.370	0.060	0.039	5.60E-10	0.018	0.006	0.002	0.010	38.435	TRUE	4.51E-09
FVC	BMP4	cg05928290	rs75175834	C	T	-0.163	0.030	0.193	3.78E-08	-0.008	0.003	0.009	0.008	30.242	TRUE	1.88E-07
FVC	BMP4	cg08046044	rs112534797	T	G	0.376	0.059	0.043	1.77E-10	0.000	0.006	0.966	0.011	40.686	TRUE	2.42E-10
FVC	BMP4	cg08046044	rs8014071	G	A	0.214	0.024	0.396	1.22E-18	0.004	0.002	0.138	0.021	77.621	TRUE	8.35E-18
FVC	BMP4	cg09367901	rs942316	A	C	-0.525	0.096	0.034	3.84E-08	0.014	0.007	0.036	0.008	30.212	TRUE	1.43E-07
FVC	BMP4	cg20297199	rs12895262	A	T	0.231	0.042	0.081	4.86E-08	0.012	0.004	0.004	0.008	29.757	TRUE	2.57E-07
FVC	BMP4	cg24526899	rs7154598	T	C	-0.161	0.024	0.457	1.72E-11	-0.003	0.002	0.279	0.012	45.247	TRUE	4.78E-11
FVC	BMP4	cg24526899	rs75175834	C	T	-0.166	0.030	0.193	1.84E-08	-0.008	0.003	0.009	0.008	31.636	TRUE	9.56E-08
FVC	BNIP3	cg02038273	rs143252467	A	G	0.203	0.032	0.165	1.97E-10	-0.001	0.003	0.835	0.011	40.474	TRUE	2.99E-10
FVC	BNIP3	cg02365648	rs10870232	G	T	-0.259	0.027	0.252	4.88E-22	0.004	0.003	0.156	0.025	93.086	TRUE	4.32E-21
FVC	BNIP3	cg02365648	rs10870323	A	G	-0.156	0.026	0.283	2.09E-09	0.004	0.003	0.108	0.010	35.868	TRUE	6.68E-09
FVC	BNIP3	cg02365648	rs11146322	T	C	-0.169	0.026	0.308	3.87E-11	-0.004	0.003	0.084	0.012	43.655	TRUE	1.54E-10
FVC	BNIP3	cg02365648	rs117262064	T	G	-1.522	0.064	0.034	2.98E-123	0.012	0.007	0.093	0.131	557.171	TRUE	7.40E-115
FVC	BNIP3	cg02365648	rs12250241	C	T	-0.322	0.045	0.071	1.45E-12	0.000	0.005	0.992	0.013	50.086	TRUE	2.10E-12
FVC	BNIP3	cg02365648	rs145948725	A	C	-0.745	0.064	0.032	1.33E-31	0.005	0.006	0.464	0.036	136.732	TRUE	1.36E-30
FVC	BNIP3	cg02365648	rs2247705	G	A	-0.187	0.031	0.168	1.55E-09	-0.003	0.003	0.444	0.010	36.447	TRUE	3.10E-09
FVC	BNIP3	cg02365648	rs2814189	A	G	-0.199	0.028	0.238	4.20E-13	-0.004	0.003	0.173	0.014	52.517	TRUE	1.60E-12
FVC	BNIP3	cg02365648	rs67860580	A	G	-0.423	0.037	0.113	6.69E-30	0.001	0.004	0.813	0.034	128.956	TRUE	3.50E-29
FVC	BNIP3	cg02365648	rs72853197	T	G	-0.163	0.025	0.326	8.48E-11	0.002	0.003	0.434	0.011	42.120	TRUE	1.88E-10
FVC	BNIP3	cg02365648	rs77963347	T	C	-0.755	0.059	0.041	4.39E-38	0.003	0.006	0.641	0.043	166.369	TRUE	6.09E-37
FVC	BNIP3	cg02365648	rs79575145	A	G	-0.337	0.044	0.077	9.88E-15	0.002	0.004	0.610	0.016	59.888	TRUE	2.30E-14
FVC	BNIP3	cg02388416	rs112782563	T	C	-0.461	0.032	0.160	2.21E-48	-0.001	0.003	0.799	0.055	213.518	TRUE	6.63E-47
FVC	BNIP3	cg02388416	rs9419406	C	A	-0.296	0.024	0.440	2.07E-35	-0.005	0.002	0.022	0.040	154.140	TRUE	1.78E-33
FVC	BNIP3	cg02835981	rs12784653	C	G	0.228	0.033	0.143	8.17E-12	0.000	0.003	0.935	0.012	46.698	TRUE	1.22E-11
FVC	BNIP3	cg02886408	rs12784653	C	G	0.265	0.033	0.143	2.51E-15	0.000	0.003	0.935	0.017	62.581	TRUE	4.41E-15
FVC	BNIP3	cg02886408	rs72855581	T	A	-0.333	0.032	0.160	1.01E-25	-0.001	0.003	0.749	0.029	109.890	TRUE	4.08E-25
FVC	BNIP3	cg05762616	rs4880263	T	C	-0.380	0.027	0.255	4.31E-46	0.004	0.003	0.142	0.052	203.033	TRUE	5.14E-44
FVC	BNIP3	cg09656274	rs4880263	T	C	-0.238	0.027	0.255	4.64E-19	0.004	0.003	0.142	0.021	79.536	TRUE	3.19E-18
FVC	BNIP3	cg12751948	rs143252467	A	G	0.299	0.032	0.165	6.34E-21	-0.001	0.003	0.835	0.023	88.017	TRUE	1.70E-20
FVC	BNIP3	cg12751948	rs45474491	T	G	0.773	0.135	0.016	1.04E-08	0.000	0.010	0.971	0.009	32.755	TRUE	1.31E-08
FVC	BNIP3	cg15390444	rs45474491	T	G	0.743	0.135	0.016	3.73E-08	0.000	0.010	0.971	0.008	30.270	TRUE	4.62E-08
FVC	BNIP3	cg15390444	rs45519634	T	C	0.445	0.032	0.162	1.17E-43	0.001	0.003	0.675	0.049	191.893	TRUE	2.66E-42
FVC	BNIP3	cg18477674	rs45519634	T	C	0.384	0.032	0.162	8.69E-33	0.001	0.003	0.675	0.037	142.146	TRUE	6.99E-32
FVC	BNIP3	cg20216030	rs3737058	A	G	0.292	0.024	0.324	6.20E-33	-0.007	0.002	0.005	0.037	142.816	TRUE	7.58E-31
FVC	BNIP3	cg20216030	rs45474491	T	G	-0.920	0.135	0.016	8.62E-12	0.000	0.010	0.971	0.012	46.595	TRUE	1.23E-11
FVC	BNIP3	cg21762589	rs3737058	A	G	-0.181	0.025	0.324	4.82E-13	-0.007	0.002	0.005	0.014	52.251	TRUE	4.97E-12
FVC	BNIP3	cg23471067	rs45519634	T	C	0.391	0.032	0.162	7.26E-34	0.001	0.003	0.675	0.038	147.075	TRUE	6.42E-33
FVC	BNIP3	cg23606392	rs113614184	T	G	-0.141	0.025	0.333	9.74E-09	-0.007	0.003	0.007	0.009	32.875	TRUE	5.28E-08

FVC	BNIP3	cg25123362	rs7079909	T	C	0.343	0.032	0.162	1.34E-26	0.001	0.003	0.685	0.030	113.890	TRUE	6.28E-26
FVC	BNIP3	cg25233900	rs45519634	T	C	0.308	0.032	0.162	1.51E-21	0.001	0.003	0.675	0.024	90.848	TRUE	5.09E-21
FVC	BNIP3L	cg01706566	rs10091096	C	T	-0.440	0.042	0.082	2.98E-25	0.000	0.004	0.938	0.028	107.739	TRUE	9.20E-25
FVC	BNIP3L	cg01706566	rs11781866	C	T	-0.236	0.027	0.341	1.07E-18	0.003	0.003	0.254	0.021	77.893	TRUE	5.32E-18
FVC	BNIP3L	cg01706566	rs12681736	T	G	0.150	0.025	0.413	3.34E-09	-0.007	0.002	0.005	0.009	34.957	TRUE	2.00E-08
FVC	BNIP3L	cg01706566	rs2951975	T	C	-0.174	0.032	0.203	3.78E-08	0.002	0.003	0.531	0.008	30.245	TRUE	6.42E-08
FVC	BNIP3L	cg01706566	rs328106	G	A	0.144	0.026	0.406	2.25E-08	-0.001	0.002	0.580	0.008	31.249	TRUE	3.71E-08
FVC	BNIP3L	cg01706566	rs35643476	G	C	0.229	0.041	0.101	1.90E-08	-0.003	0.004	0.457	0.008	31.581	TRUE	3.49E-08
FVC	BNIP3L	cg01706566	rs3808578	G	A	0.406	0.039	0.129	2.01E-25	0.007	0.004	0.059	0.029	108.517	TRUE	3.68E-24
FVC	BNIP3L	cg01706566	rs6557894	T	C	0.172	0.025	0.461	1.04E-11	0.001	0.002	0.725	0.012	46.232	TRUE	1.82E-11
FVC	BNIP3L	cg01706566	rs76230997	A	G	-0.980	0.037	0.118	4.43E-153	0.007	0.004	0.049	0.158	694.240	TRUE	6.07E-141
FVC	BNIP3L	cg11498726	rs17401856	T	C	0.277	0.043	0.245	1.20E-10	-0.004	0.003	0.165	0.011	41.445	TRUE	3.80E-10
FVC	BNIP3L	cg11498726	rs328106	G	A	0.152	0.026	0.406	3.70E-09	-0.001	0.002	0.580	0.009	34.754	TRUE	6.38E-09
FVC	BNIP3L	cg11498726	rs4545109	A	C	-0.288	0.031	0.202	4.18E-20	-0.005	0.003	0.073	0.022	84.289	TRUE	4.33E-19
FVC	BNIP3L	cg11498726	rs4872426	C	T	-0.213	0.036	0.149	2.84E-09	0.008	0.003	0.018	0.009	35.270	TRUE	1.38E-08
FVC	BNIP3L	cg11498726	rs7813520	C	T	0.519	0.027	0.299	6.69E-82	0.002	0.003	0.459	0.090	367.263	TRUE	4.83E-78
FVC	BNIP3L	cg13160058	rs10081438	G	T	-0.283	0.040	0.090	1.58E-12	0.002	0.004	0.682	0.013	49.919	TRUE	2.99E-12
FVC	BNIP3L	cg13160058	rs10282829	A	G	0.229	0.033	0.187	4.15E-12	0.003	0.003	0.324	0.013	48.029	TRUE	1.14E-11
FVC	BNIP3L	cg13160058	rs1122215	G	A	0.178	0.032	0.169	1.75E-08	-0.007	0.003	0.032	0.009	31.732	TRUE	6.86E-08
FVC	BNIP3L	cg13160058	rs12547803	C	T	-0.246	0.030	0.244	1.21E-16	0.000	0.003	0.921	0.018	68.556	TRUE	2.30E-16
FVC	BNIP3L	cg13160058	rs17055069	T	C	-0.233	0.041	0.099	1.63E-08	-0.002	0.004	0.608	0.009	31.869	TRUE	2.69E-08
FVC	BNIP3L	cg13160058	rs17401856	T	C	0.279	0.043	0.245	9.19E-11	-0.004	0.003	0.165	0.011	41.965	TRUE	2.94E-10
FVC	BNIP3L	cg13160058	rs2086588	T	C	0.489	0.058	0.049	2.98E-17	0.004	0.006	0.479	0.019	71.321	TRUE	9.52E-17
FVC	BNIP3L	cg13160058	rs35665474	G	C	0.363	0.029	0.252	9.22E-36	0.001	0.003	0.712	0.040	155.745	TRUE	9.07E-35
FVC	BNIP3L	cg13160058	rs35892365	T	C	-0.299	0.030	0.236	3.66E-24	-0.003	0.003	0.273	0.027	102.772	TRUE	2.76E-23
FVC	BNIP3L	cg13160058	rs76230997	A	G	-0.688	0.038	0.118	1.01E-71	0.007	0.004	0.049	0.080	320.553	TRUE	1.17E-67
FVC	BNIP3L	cg13160058	rs77752269	A	G	0.415	0.071	0.027	4.42E-09	-0.003	0.007	0.700	0.009	34.409	TRUE	6.94E-09
FVC	BNIP3L	cg13160058	rs9314323	A	G	0.886	0.023	0.305	<1E-200	0.002	0.003	0.385	0.285	1473.099	TRUE	4.62E-283
FVC	BNIP3L	cg13516551	rs149239582	C	G	0.818	0.115	0.011	1.09E-12	0.001	0.009	0.931	0.014	50.645	TRUE	1.68E-12
FVC	BNIP3L	cg13516551	rs200329190	T	C	0.926	0.074	0.028	1.06E-35	0.011	0.007	0.136	0.040	155.463	TRUE	3.91E-34
FVC	BNIP3L	cg15157360	rs11775859	T	G	0.197	0.035	0.133	1.16E-08	-0.001	0.004	0.857	0.009	32.528	TRUE	1.59E-08
FVC	BNIP3L	cg15157360	rs149239582	C	G	1.232	0.114	0.011	4.18E-27	0.001	0.009	0.931	0.030	116.192	TRUE	1.49E-26
FVC	BNIP3L	cg15157360	rs202122109	G	A	1.440	0.071	0.030	2.79E-92	0.010	0.007	0.149	0.101	414.911	TRUE	4.91E-87
FVC	BNIP3L	cg15157360	rs73564657	C	T	-0.282	0.039	0.119	6.38E-13	0.006	0.004	0.080	0.014	51.700	TRUE	3.08E-12
FVC	BOK	cg00318320	rs115230843	T	C	0.550	0.096	0.017	9.60E-09	0.005	0.009	0.590	0.009	32.903	TRUE	1.61E-08
FVC	BOK	cg22999099	rs113344275	T	C	-0.513	0.059	0.040	1.86E-18	0.000	0.006	0.976	0.020	76.790	TRUE	3.67E-18
FVC	BOK	cg22999099	rs12695002	C	T	0.333	0.024	0.422	3.57E-45	0.015	0.002	2.11E-10	0.051	198.825	TRUE	2.28E-40
FVC	BOK	cg22999099	rs142730039	G	A	-0.869	0.092	0.032	3.54E-21	-0.013	0.007	0.053	0.024	89.167	TRUE	4.56E-20
FVC	BOK	cg22999099	rs35904111	C	G	0.342	0.055	0.108	6.38E-10	-0.002	0.004	0.711	0.010	38.180	TRUE	1.04E-09
FVC	BOK	cg22999099	rs4675930	T	C	0.307	0.041	0.229	6.84E-14	0.003	0.003	0.269	0.015	56.083	TRUE	2.32E-13
FVC	BOK	cg22999099	rs62191342	G	C	0.240	0.039	0.249	1.24E-09	0.006	0.003	0.042	0.010	36.891	TRUE	5.32E-09
FVC	BOK	cg22999099	rs6757649	A	G	-0.163	0.023	0.449	3.36E-12	-0.001	0.002	0.799	0.013	48.442	TRUE	5.65E-12

FVC	BOK	cg22999099	rs7420703	C	T	-1.170	0.030	0.137	<1E-200	-0.007	0.003	0.048	0.292	1524.014	TRUE	4.73E-290
FVC	BOK	cg22999099	rs7424328	C	T	-0.266	0.035	0.453	1.73E-14	0.008	0.003	0.004	0.016	58.789	TRUE	2.22E-13
FVC	BOK	cg22999099	rs75289375	T	C	-0.769	0.057	0.051	6.64E-41	0.002	0.006	0.764	0.046	179.276	TRUE	9.66E-40
FVC	BOK	cg23959977	rs10168241	A	G	-0.282	0.049	0.135	9.18E-09	0.001	0.004	0.887	0.009	32.989	TRUE	1.23E-08
FVC	BOK	cg23959977	rs13015179	G	A	-0.444	0.030	0.187	3.31E-49	0.002	0.003	0.454	0.055	217.301	TRUE	2.13E-47
FVC	BOK	cg23959977	rs13423154	T	C	-0.174	0.024	0.357	6.44E-13	-0.017	0.003	1.03E-11	0.014	51.680	TRUE	8.08E-11
FVC	BOK	cg23959977	rs142708184	G	C	-0.599	0.103	0.029	5.77E-09	-0.013	0.008	0.087	0.009	33.891	TRUE	1.89E-08
FVC	BOK	cg23959977	rs142730039	G	A	-0.646	0.092	0.032	2.85E-12	-0.013	0.007	0.053	0.013	48.763	TRUE	1.50E-11
FVC	BOK	cg23959977	rs36030965	A	C	-1.027	0.033	0.137	9.29E-219	-0.007	0.003	0.052	0.212	996.179	TRUE	2.80E-197
FVC	BOK	cg23959977	rs56390343	A	C	-0.368	0.025	0.303	1.82E-47	-0.010	0.003	1.19E-04	0.054	209.330	TRUE	6.39E-44
FVC	BOK	cg23959977	rs62191342	G	C	0.243	0.039	0.249	7.78E-10	0.006	0.003	0.042	0.010	37.795	TRUE	3.42E-09
FVC	BOK	cg23959977	rs62193476	A	G	0.396	0.035	0.354	3.74E-29	0.005	0.003	0.058	0.033	125.544	TRUE	1.00E-27
FVC	BOK	cg23959977	rs73014018	A	G	-0.187	0.029	0.215	5.98E-11	0.005	0.003	0.073	0.011	42.803	TRUE	2.45E-10
FVC	BOK	cg23959977	rs7369408	A	G	0.232	0.028	0.221	4.92E-17	-0.011	0.003	5.73E-05	0.019	70.331	TRUE	2.18E-15
FVC	BOK	cg23959977	rs7424328	C	T	-0.282	0.035	0.453	3.64E-16	0.008	0.003	0.004	0.018	66.385	TRUE	5.76E-15
FVC	BOK	cg23959977	rs75289375	T	C	-0.596	0.058	0.051	5.60E-25	0.002	0.006	0.764	0.028	106.489	TRUE	2.11E-24
FVC	BOK	cg23959977	rs75629307	T	C	-0.358	0.042	0.080	2.11E-17	0.002	0.004	0.682	0.019	71.998	TRUE	5.35E-17
FVC	BOK	cg23959977	rs7601000	T	A	0.326	0.040	0.231	3.33E-16	0.002	0.003	0.530	0.018	66.559	TRUE	9.26E-16
FVC	BOK	cg24436906	rs115230843	T	C	0.556	0.096	0.017	6.60E-09	0.005	0.009	0.590	0.009	33.631	TRUE	1.12E-08
FVC	BOK	cg24436906	rs13423154	T	C	-0.197	0.024	0.357	3.79E-16	-0.017	0.003	1.03E-11	0.018	66.307	TRUE	9.98E-14
FVC	BOK	cg24828208	rs12695002	C	T	0.168	0.024	0.422	1.71E-12	0.015	0.002	2.11E-10	0.013	49.767	TRUE	1.60E-10
FVC	BRSK2	cg00370047	rs11606628	T	C	0.159	0.026	0.278	8.44E-10	-0.005	0.003	0.036	0.010	37.637	TRUE	3.71E-09
FVC	BRSK2	cg00370047	rs117107041	A	G	0.328	0.051	0.053	1.45E-10	0.015	0.005	0.002	0.011	41.070	TRUE	1.25E-09
FVC	BRSK2	cg00370047	rs66658795	T	C	-0.212	0.023	0.445	1.50E-19	0.004	0.002	0.091	0.022	81.766	TRUE	1.28E-18
FVC	BRSK2	cg00370047	rs7395006	C	T	0.164	0.024	0.387	1.12E-11	0.004	0.002	0.087	0.012	46.074	TRUE	4.76E-11
FVC	BRSK2	cg00370047	rs7932863	A	G	0.396	0.026	0.270	1.05E-51	0.004	0.003	0.129	0.058	228.741	TRUE	2.88E-49
FVC	BRSK2	cg00370047	rs7944761	C	T	-0.152	0.024	0.461	1.32E-10	0.005	0.002	0.030	0.011	41.254	TRUE	6.68E-10
FVC	BRSK2	cg01122627	rs10768578	T	C	0.291	0.034	0.145	5.37E-18	0.010	0.003	0.003	0.020	74.699	TRUE	1.17E-16
FVC	BRSK2	cg01122627	rs11026443	T	C	0.343	0.061	0.037	1.77E-08	0.014	0.006	0.012	0.009	31.717	TRUE	8.53E-08
FVC	BRSK2	cg01122627	rs117107041	A	G	0.337	0.051	0.053	5.54E-11	0.015	0.005	0.002	0.011	42.953	TRUE	5.05E-10
FVC	BRSK2	cg01122627	rs12284984	A	G	-0.207	0.029	0.203	7.86E-13	0.004	0.003	0.226	0.014	51.289	TRUE	2.64E-12
FVC	BRSK2	cg01122627	rs150353929	T	C	0.204	0.035	0.131	7.45E-09	0.000	0.003	0.999	0.009	33.396	TRUE	9.30E-09
FVC	BRSK2	cg01122627	rs4072884	C	T	0.428	0.024	0.405	1.32E-73	0.004	0.002	0.113	0.082	329.188	TRUE	1.04E-69
FVC	BRSK2	cg01122627	rs7110854	T	C	0.230	0.031	0.171	2.61E-13	0.001	0.003	0.708	0.014	53.456	TRUE	5.11E-13
FVC	BRSK2	cg01122627	rs72847939	T	C	-0.476	0.081	0.017	3.87E-09	0.005	0.009	0.536	0.009	34.670	TRUE	6.95E-09
FVC	BRSK2	cg01122627	rs7395567	T	C	0.285	0.027	0.266	7.86E-27	0.004	0.003	0.129	0.030	114.940	TRUE	1.20E-25
FVC	BRSK2	cg01122627	rs9651638	G	A	0.209	0.026	0.285	9.79E-16	0.002	0.003	0.518	0.017	64.438	TRUE	2.70E-15
FVC	BRSK2	cg01468621	rs7395567	T	C	-0.150	0.027	0.266	1.82E-08	0.004	0.003	0.129	0.008	31.657	TRUE	5.19E-08
FVC	BRSK2	cg01660630	rs10734285	A	C	-0.252	0.031	0.172	6.56E-16	-0.005	0.003	0.091	0.017	65.226	TRUE	4.02E-15
FVC	BRSK2	cg01660630	rs10837858	A	G	0.297	0.053	0.051	2.21E-08	-0.001	0.005	0.899	0.008	31.288	TRUE	2.92E-08
FVC	BRSK2	cg01660630	rs11599943	T	C	0.566	0.066	0.031	1.23E-17	0.014	0.007	0.029	0.019	73.063	TRUE	1.35E-16
FVC	BRSK2	cg01660630	rs11604075	T	C	0.312	0.026	0.285	4.29E-34	-0.004	0.003	0.089	0.039	148.119	TRUE	1.66E-32

FVC	BRSK2	cg01660630	rs117654829	T	A	0.771	0.098	0.038	3.57E-15	-0.005	0.007	0.532	0.016	61.892	TRUE	9.34E-15
FVC	BRSK2	cg01660630	rs28386994	T	A	-0.204	0.029	0.206	1.34E-12	0.004	0.003	0.219	0.013	50.247	TRUE	4.40E-12
FVC	BRSK2	cg01660630	rs34666042	T	C	0.301	0.032	0.164	1.17E-21	-0.009	0.003	0.007	0.024	91.355	TRUE	3.21E-20
FVC	BRSK2	cg01660630	rs3793964	T	C	-0.348	0.024	0.368	2.69E-47	0.004	0.002	0.103	0.053	208.547	TRUE	4.65E-45
FVC	BRSK2	cg01660630	rs4881724	A	G	-0.320	0.037	0.116	3.92E-18	-0.004	0.004	0.333	0.020	75.319	TRUE	1.66E-17
FVC	BRSK2	cg01660630	rs66496921	C	G	-0.157	0.024	0.405	8.40E-11	0.004	0.002	0.130	0.011	42.140	TRUE	2.88E-10
FVC	BRSK2	cg01660630	rs7395006	C	T	0.257	0.024	0.387	3.11E-26	0.004	0.002	0.087	0.029	112.213	TRUE	5.32E-25
FVC	BRSK2	cg01660630	rs7395567	T	C	0.892	0.024	0.266	5.26E-290	0.004	0.003	0.129	0.264	1323.821	TRUE	3.04E-256
FVC	BRSK2	cg01660630	rs7479551	T	A	0.143	0.025	0.342	9.93E-09	-0.009	0.003	6.11E-04	0.009	32.837	TRUE	7.89E-08
FVC	BRSK2	cg01660630	rs77338313	A	G	0.755	0.101	0.031	9.03E-14	0.000	0.008	0.974	0.015	55.537	TRUE	1.40E-13
FVC	BRSK2	cg01758799	rs11245968	G	A	0.147	0.025	0.341	5.19E-09	-0.008	0.003	7.14E-04	0.009	34.097	TRUE	4.22E-08
FVC	BRSK2	cg01758799	rs11608241	T	C	0.538	0.092	0.019	4.23E-09	0.008	0.009	0.324	0.009	34.498	TRUE	9.35E-09
FVC	BRSK2	cg01758799	rs116987758	A	G	0.491	0.089	0.018	3.06E-08	-0.011	0.008	0.162	0.008	30.651	TRUE	7.93E-08
FVC	BRSK2	cg01758799	rs12280761	C	T	0.254	0.029	0.201	4.85E-18	0.001	0.003	0.766	0.020	74.901	TRUE	1.18E-17
FVC	BRSK2	cg01758799	rs12289734	T	C	0.228	0.029	0.199	7.56E-15	-0.005	0.003	0.118	0.016	60.414	TRUE	3.83E-14
FVC	BRSK2	cg01758799	rs1574122	T	C	-0.281	0.030	0.187	4.33E-21	0.002	0.003	0.427	0.023	88.767	TRUE	1.98E-20
FVC	BRSK2	cg01758799	rs2004828	C	T	0.308	0.024	0.398	2.07E-37	-0.005	0.002	0.051	0.042	163.285	TRUE	1.61E-35
FVC	BRSK2	cg01758799	rs28728088	T	C	0.158	0.029	0.208	3.44E-08	-0.007	0.003	0.016	0.008	30.423	TRUE	1.51E-07
FVC	BRSK2	cg01758799	rs3817589	A	G	-0.397	0.031	0.171	7.78E-37	0.001	0.003	0.811	0.042	160.657	TRUE	7.10E-36
FVC	BRSK2	cg01758799	rs55744154	G	A	-0.315	0.044	0.144	1.40E-12	0.005	0.003	0.171	0.013	50.161	TRUE	5.07E-12
FVC	BRSK2	cg01758799	rs55910218	T	C	0.606	0.072	0.027	3.78E-17	-0.004	0.008	0.589	0.019	70.848	TRUE	1.05E-16
FVC	BRSK2	cg01758799	rs60707923	A	G	-0.373	0.026	0.260	4.26E-45	0.003	0.003	0.348	0.051	198.473	TRUE	2.21E-43
FVC	BRSK2	cg01758799	rs6421033	G	C	-0.232	0.026	0.304	1.32E-19	0.003	0.003	0.272	0.022	82.015	TRUE	7.10E-19
FVC	BRSK2	cg01758799	rs6578810	G	T	-0.312	0.044	0.080	2.01E-12	0.010	0.004	0.032	0.013	49.452	TRUE	1.23E-11
FVC	BRSK2	cg01758799	rs7128873	G	A	0.857	0.021	0.347	<1E-200	-0.002	0.003	0.436	0.313	1686.370	TRUE	<1E-200
FVC	BRSK2	cg01758799	rs7395006	C	T	0.359	0.024	0.387	3.40E-50	0.004	0.002	0.087	0.057	221.828	TRUE	9.63E-48
FVC	BRSK2	cg01758799	rs74046935	G	A	-0.321	0.025	0.297	2.46E-36	-0.001	0.003	0.820	0.041	158.372	TRUE	2.18E-35
FVC	BRSK2	cg01758799	rs77338313	A	G	0.767	0.101	0.031	3.56E-14	0.000	0.008	0.974	0.015	57.365	TRUE	5.63E-14
FVC	BRSK2	cg02030652	rs10832955	T	C	0.291	0.024	0.368	1.33E-33	0.005	0.002	0.037	0.038	145.870	TRUE	7.99E-32
FVC	BRSK2	cg02030652	rs11029977	T	C	0.205	0.024	0.389	1.52E-17	0.004	0.002	0.128	0.019	72.644	TRUE	9.75E-17
FVC	BRSK2	cg02030652	rs11603080	A	C	-0.296	0.054	0.048	4.26E-08	0.006	0.005	0.234	0.008	30.013	TRUE	9.73E-08
FVC	BRSK2	cg02030652	rs117107041	A	G	-0.455	0.051	0.053	5.92E-19	0.015	0.005	0.002	0.021	79.053	TRUE	1.53E-17
FVC	BRSK2	cg02030652	rs12808343	G	A	0.211	0.028	0.235	5.85E-14	-0.002	0.003	0.516	0.015	56.391	TRUE	1.43E-13
FVC	BRSK2	cg02030652	rs145553613	C	T	-0.676	0.107	0.031	2.52E-10	-0.002	0.009	0.849	0.011	39.993	TRUE	3.73E-10
FVC	BRSK2	cg02030652	rs34666042	T	C	-0.204	0.032	0.164	9.86E-11	-0.009	0.003	0.007	0.011	41.826	TRUE	7.17E-10
FVC	BRSK2	cg02030652	rs66658795	T	C	0.239	0.023	0.445	2.06E-24	0.004	0.002	0.091	0.027	103.912	TRUE	2.81E-23
FVC	BRSK2	cg02030652	rs7395006	C	T	-0.249	0.024	0.387	1.07E-24	0.004	0.002	0.087	0.028	105.200	TRUE	1.57E-23
FVC	BRSK2	cg02030652	rs7395567	T	C	-0.789	0.025	0.266	5.31E-218	0.004	0.003	0.129	0.212	992.697	TRUE	3.80E-197
FVC	BRSK2	cg02030652	rs77338313	A	G	-0.723	0.101	0.031	9.78E-13	0.000	0.008	0.974	0.014	50.859	TRUE	1.45E-12
FVC	BRSK2	cg02282118	rs1038724	A	G	-0.183	0.025	0.332	1.44E-13	-0.004	0.003	0.140	0.015	54.616	TRUE	6.04E-13
FVC	BRSK2	cg02282118	rs115584864	C	G	0.376	0.026	0.273	7.57E-48	0.004	0.003	0.161	0.054	211.072	TRUE	1.04E-45
FVC	BRSK2	cg02282118	rs11599943	T	C	0.463	0.066	0.031	2.97E-12	0.014	0.007	0.029	0.013	48.682	TRUE	1.83E-11

FVC	BRSK2	cg02282118	rs117431642	T	C	-0.736	0.109	0.026	1.57E-11	0.001	0.008	0.954	0.012	45.419	TRUE	2.27E-11
FVC	BRSK2	cg02282118	rs12786504	A	G	0.197	0.034	0.138	8.84E-09	0.005	0.004	0.214	0.009	33.062	TRUE	2.21E-08
FVC	BRSK2	cg02282118	rs1317780	G	C	0.257	0.028	0.225	1.69E-19	0.003	0.003	0.357	0.022	81.532	TRUE	7.63E-19
FVC	BRSK2	cg02282118	rs145553613	C	T	-0.866	0.106	0.031	3.87E-16	-0.002	0.009	0.849	0.018	66.267	TRUE	7.62E-16
FVC	BRSK2	cg02282118	rs186941956	A	G	0.353	0.060	0.038	4.62E-09	0.014	0.006	0.013	0.009	34.326	TRUE	2.35E-08
FVC	BRSK2	cg02282118	rs1973846	T	C	0.332	0.028	0.241	2.62E-33	-0.001	0.003	0.839	0.038	144.524	TRUE	1.68E-32
FVC	BRSK2	cg02282118	rs2176025	T	A	-0.249	0.025	0.316	1.62E-22	0.002	0.003	0.455	0.025	95.274	TRUE	7.93E-22
FVC	BRSK2	cg02282118	rs34397346	A	G	0.293	0.027	0.252	5.24E-27	0.007	0.003	0.011	0.030	115.744	TRUE	2.24E-25
FVC	BRSK2	cg02282118	rs3750920	T	C	-0.205	0.024	0.431	1.04E-17	-0.008	0.002	0.001	0.019	73.396	TRUE	2.58E-16
FVC	BRSK2	cg02282118	rs55910218	T	C	-0.558	0.072	0.027	8.80E-15	-0.004	0.008	0.589	0.016	60.115	TRUE	2.11E-14
FVC	BRSK2	cg02282118	rs60707923	A	G	0.325	0.027	0.260	2.47E-34	0.003	0.003	0.348	0.039	149.213	TRUE	4.07E-33
FVC	BRSK2	cg02282118	rs61867617	A	G	-1.117	0.022	0.203	<1E-200	-0.001	0.003	0.716	0.413	2601.854	TRUE	<1E-200
FVC	BRSK2	cg02282118	rs6578589	A	C	-0.225	0.024	0.476	2.03E-21	-0.003	0.002	0.251	0.024	90.265	TRUE	1.33E-20
FVC	BRSK2	cg02282118	rs7396026	T	C	0.440	0.053	0.057	1.58E-16	0.004	0.006	0.543	0.018	68.035	TRUE	4.40E-16
FVC	BRSK2	cg02282118	rs77672898	A	G	0.360	0.060	0.076	1.39E-09	-0.003	0.004	0.485	0.010	36.663	TRUE	2.67E-09
FVC	BRSK2	cg02282118	rs79349719	A	G	0.266	0.044	0.074	1.91E-09	0.004	0.004	0.338	0.010	36.047	TRUE	4.29E-09
FVC	BRSK2	cg02282118	rs7935124	A	G	0.224	0.033	0.152	1.54E-11	-0.001	0.003	0.685	0.012	45.454	TRUE	2.76E-11
FVC	BRSK2	cg02282118	rs968592	A	G	0.200	0.032	0.159	6.54E-10	0.001	0.003	0.671	0.010	38.131	TRUE	1.10E-09
FVC	BRSK2	cg03156651	rs7395567	T	C	0.241	0.026	0.266	4.07E-20	0.004	0.003	0.129	0.022	84.340	TRUE	3.29E-19
FVC	BRSK2	cg03267026	rs11023590	C	T	0.197	0.024	0.413	1.19E-16	0.003	0.002	0.208	0.018	68.581	TRUE	5.62E-16
FVC	BRSK2	cg03267026	rs1574122	T	C	-0.174	0.030	0.187	6.49E-09	0.002	0.003	0.427	0.009	33.664	TRUE	1.27E-08
FVC	BRSK2	cg03553914	rs10751641	T	G	0.143	0.025	0.325	1.67E-08	-0.009	0.003	5.39E-04	0.009	31.830	TRUE	1.36E-07
FVC	BRSK2	cg03553914	rs10766282	T	A	0.546	0.061	0.046	2.34E-19	-0.002	0.006	0.704	0.021	80.884	TRUE	6.50E-19
FVC	BRSK2	cg03553914	rs11028931	G	A	0.400	0.024	0.349	5.32E-61	-0.005	0.003	0.063	0.068	271.362	TRUE	8.54E-58
FVC	BRSK2	cg03553914	rs11035302	C	A	-0.241	0.025	0.313	3.83E-21	-0.001	0.003	0.725	0.023	89.012	TRUE	1.18E-20
FVC	BRSK2	cg03553914	rs117107041	A	G	0.504	0.051	0.053	8.11E-23	0.015	0.005	0.002	0.025	96.637	TRUE	3.42E-21
FVC	BRSK2	cg03553914	rs12146475	T	G	0.332	0.053	0.052	3.53E-10	0.000	0.005	0.965	0.011	39.333	TRUE	4.75E-10
FVC	BRSK2	cg03553914	rs12796869	T	C	-0.277	0.030	0.187	5.94E-20	0.001	0.003	0.713	0.022	83.592	TRUE	1.72E-19
FVC	BRSK2	cg03553914	rs145553613	C	T	0.710	0.107	0.031	2.86E-11	-0.002	0.009	0.849	0.012	44.249	TRUE	4.41E-11
FVC	BRSK2	cg03553914	rs34666042	T	C	0.298	0.032	0.164	2.93E-21	-0.009	0.003	0.007	0.024	89.540	TRUE	7.66E-20
FVC	BRSK2	cg03553914	rs3793964	T	C	-0.383	0.024	0.368	2.54E-57	0.004	0.002	0.103	0.064	254.493	TRUE	1.71E-54
FVC	BRSK2	cg03553914	rs4255564	C	T	0.969	0.023	0.260	<1E-200	0.003	0.003	0.295	0.331	1831.498	TRUE	<1E-200
FVC	BRSK2	cg03553914	rs5743915	A	G	0.164	0.024	0.415	5.27E-12	0.001	0.002	0.690	0.013	47.558	TRUE	9.55E-12
FVC	BRSK2	cg03553914	rs66496921	C	G	-0.160	0.024	0.405	3.92E-11	0.004	0.002	0.130	0.012	43.629	TRUE	1.38E-10
FVC	BRSK2	cg03553914	rs7112918	C	T	0.134	0.024	0.465	1.78E-08	-0.005	0.002	0.058	0.008	31.699	TRUE	6.09E-08
FVC	BRSK2	cg03553914	rs7118474	G	A	-0.234	0.030	0.194	6.40E-15	0.002	0.003	0.498	0.016	60.743	TRUE	1.72E-14
FVC	BRSK2	cg03553914	rs7395006	C	T	0.344	0.024	0.387	3.92E-46	0.004	0.002	0.087	0.052	203.221	TRUE	6.52E-44
FVC	BRSK2	cg03553914	rs76324386	T	C	-0.313	0.046	0.072	7.22E-12	0.009	0.005	0.049	0.013	46.941	TRUE	3.71E-11
FVC	BRSK2	cg03553914	rs77338313	A	G	0.810	0.101	0.031	1.21E-15	0.000	0.008	0.974	0.017	64.015	TRUE	2.06E-15
FVC	BRSK2	cg03553914	rs79646282	T	C	0.557	0.097	0.038	1.08E-08	0.001	0.006	0.908	0.009	32.679	TRUE	1.42E-08
FVC	BRSK2	cg03695103	rs12788273	A	G	0.289	0.026	0.277	2.91E-28	-0.002	0.003	0.487	0.032	121.473	TRUE	2.16E-27
FVC	BRSK2	cg03695103	rs66658795	T	C	-0.130	0.024	0.445	3.16E-08	0.004	0.002	0.091	0.008	30.592	TRUE	9.41E-08

FVC	BRSK2	cg03817164	rs56225362	C	T	-0.359	0.049	0.071	1.33E-13	-0.008	0.005	0.093	0.015	54.777	TRUE	6.61E-13
FVC	BRSK2	cg03817164	rs7931497	C	G	-0.955	0.055	0.049	2.73E-67	0.003	0.006	0.638	0.075	300.214	TRUE	1.27E-64
FVC	BRSK2	cg03817164	rs7944761	C	T	-0.169	0.024	0.461	1.31E-12	0.005	0.002	0.030	0.013	50.280	TRUE	8.25E-12
FVC	BRSK2	cg03817794	rs11028763	C	T	-0.463	0.024	0.359	5.53E-83	0.005	0.003	0.060	0.091	372.229	TRUE	3.55E-78
FVC	BRSK2	cg03817794	rs11036555	C	T	-0.168	0.026	0.285	2.03E-10	0.002	0.003	0.480	0.011	40.417	TRUE	4.11E-10
FVC	BRSK2	cg03817794	rs11599943	T	C	0.498	0.066	0.031	5.82E-14	0.014	0.007	0.029	0.015	56.401	TRUE	4.32E-13
FVC	BRSK2	cg03817794	rs145553613	C	T	0.709	0.107	0.031	3.06E-11	-0.002	0.009	0.849	0.012	44.116	TRUE	4.71E-11
FVC	BRSK2	cg03817794	rs34666042	T	C	0.215	0.032	0.164	9.08E-12	-0.009	0.003	0.007	0.012	46.491	TRUE	7.53E-11
FVC	BRSK2	cg03817794	rs3793964	T	C	-0.204	0.024	0.368	4.70E-17	0.004	0.002	0.103	0.019	70.420	TRUE	3.08E-16
FVC	BRSK2	cg03817794	rs7395006	C	T	0.243	0.024	0.387	1.14E-23	0.004	0.002	0.087	0.026	100.513	TRUE	1.51E-22
FVC	BRSK2	cg03817794	rs7395567	T	C	0.621	0.026	0.266	5.18E-128	0.004	0.003	0.129	0.135	579.043	TRUE	3.01E-119
FVC	BRSK2	cg03817794	rs79823788	A	G	-0.351	0.053	0.048	5.08E-11	0.005	0.006	0.357	0.012	43.123	TRUE	1.23E-10
FVC	BRSK2	cg03817794	rs79956640	G	A	-0.453	0.082	0.022	4.01E-08	-0.005	0.007	0.488	0.008	30.128	TRUE	7.06E-08
FVC	BRSK2	cg03817794	rs9651637	G	A	-0.190	0.026	0.284	3.42E-13	0.002	0.003	0.504	0.014	52.923	TRUE	8.02E-13
FVC	BRSK2	cg03817794	rs9651643	T	C	-0.234	0.024	0.445	2.07E-23	0.004	0.002	0.092	0.026	99.336	TRUE	2.57E-22
FVC	BRSK2	cg04527071	rs60707923	A	G	-0.208	0.026	0.260	3.66E-15	0.003	0.003	0.348	0.016	61.844	TRUE	1.19E-14
FVC	BRSK2	cg04527071	rs7932863	A	G	0.199	0.026	0.270	3.20E-14	0.004	0.003	0.129	0.015	57.579	TRUE	1.52E-13
FVC	BRSK2	cg04737185	rs10837893	T	C	-0.195	0.035	0.131	3.64E-08	0.000	0.003	0.999	0.008	30.314	TRUE	4.44E-08
FVC	BRSK2	cg04737185	rs11025835	G	A	0.360	0.054	0.058	3.00E-11	0.006	0.005	0.215	0.012	44.151	TRUE	9.05E-11
FVC	BRSK2	cg04737185	rs117872975	G	A	-0.421	0.049	0.065	5.85E-18	0.010	0.005	0.048	0.020	74.531	TRUE	5.55E-17
FVC	BRSK2	cg04737185	rs149744898	G	C	0.437	0.078	0.024	1.81E-08	-0.011	0.007	0.116	0.008	31.670	TRUE	5.21E-08
FVC	BRSK2	cg04737185	rs28540254	G	A	0.458	0.024	0.337	1.96E-79	-0.003	0.003	0.201	0.088	355.933	TRUE	2.47E-75
FVC	BRSK2	cg04737185	rs5743987	T	C	0.328	0.049	0.071	2.31E-11	-0.008	0.005	0.088	0.012	44.664	TRUE	9.50E-11
FVC	BRSK2	cg04737185	rs5744002	C	T	-0.200	0.024	0.427	1.99E-17	0.006	0.002	0.019	0.019	72.119	TRUE	2.37E-16
FVC	BRSK2	cg04737185	rs57958928	C	T	0.159	0.028	0.229	2.03E-08	0.088	0.047	0.060	0.008	31.451	TRUE	6.91E-08
FVC	BRSK2	cg04737185	rs58514600	T	C	0.401	0.041	0.089	6.38E-23	-0.004	0.004	0.302	0.026	97.111	TRUE	4.14E-22
FVC	BRSK2	cg04737185	rs61867510	G	C	-0.176	0.024	0.400	2.48E-13	0.004	0.002	0.063	0.014	53.556	TRUE	1.33E-12
FVC	BRSK2	cg04984852	rs10766282	T	A	0.393	0.061	0.046	1.04E-10	-0.002	0.006	0.704	0.011	41.730	TRUE	1.75E-10
FVC	BRSK2	cg04984852	rs11599943	T	C	0.387	0.066	0.031	5.02E-09	0.014	0.007	0.029	0.009	34.164	TRUE	2.17E-08
FVC	BRSK2	cg04984852	rs11604075	T	C	0.253	0.026	0.285	5.38E-23	-0.004	0.003	0.089	0.026	97.448	TRUE	6.56E-22
FVC	BRSK2	cg04984852	rs1574122	T	C	-0.206	0.030	0.187	4.46E-12	0.002	0.003	0.427	0.013	47.886	TRUE	1.08E-11
FVC	BRSK2	cg04984852	rs34666042	T	C	0.201	0.032	0.164	1.96E-10	-0.009	0.003	0.007	0.011	40.487	TRUE	1.37E-09
FVC	BRSK2	cg04984852	rs3793964	T	C	-0.227	0.024	0.368	8.10E-21	0.004	0.002	0.103	0.023	87.531	TRUE	7.53E-20
FVC	BRSK2	cg04984852	rs7395006	C	T	0.192	0.024	0.387	2.63E-15	0.004	0.002	0.087	0.017	62.490	TRUE	1.56E-14
FVC	BRSK2	cg04984852	rs7395567	T	C	0.587	0.026	0.266	4.66E-114	0.004	0.003	0.129	0.122	514.936	TRUE	9.86E-107
FVC	BRSK2	cg05404940	rs10832574	T	C	0.254	0.024	0.390	1.11E-25	0.005	0.002	0.052	0.029	109.694	TRUE	2.30E-24
FVC	BRSK2	cg05404940	rs111886352	G	C	-0.228	0.038	0.117	1.89E-09	0.001	0.004	0.811	0.010	36.065	TRUE	2.77E-09
FVC	BRSK2	cg05404940	rs115584864	C	G	-0.239	0.026	0.273	5.51E-20	0.004	0.003	0.161	0.022	83.741	TRUE	3.92E-19
FVC	BRSK2	cg05404940	rs11604075	T	C	0.335	0.026	0.285	3.72E-39	-0.004	0.003	0.089	0.044	171.276	TRUE	2.57E-37
FVC	BRSK2	cg05404940	rs117085626	A	G	-0.266	0.037	0.110	1.03E-12	-0.002	0.004	0.549	0.014	50.752	TRUE	2.29E-12
FVC	BRSK2	cg05404940	rs117107041	A	G	0.405	0.051	0.053	3.06E-15	0.015	0.005	0.002	0.017	62.192	TRUE	4.91E-14
FVC	BRSK2	cg05404940	rs117654829	T	A	0.636	0.098	0.038	9.85E-11	-0.005	0.007	0.532	0.011	41.829	TRUE	1.96E-10

FVC	BRSK2	cg05404940	rs28386994	T	A	-0.182	0.029	0.206	2.85E-10	0.004	0.003	0.219	0.011	39.754	TRUE	7.81E-10
FVC	BRSK2	cg05404940	rs28672782	T	C	-0.175	0.031	0.184	1.18E-08	0.001	0.003	0.713	0.009	32.510	TRUE	1.79E-08
FVC	BRSK2	cg05404940	rs34666042	T	C	0.240	0.032	0.164	2.70E-14	-0.009	0.003	0.007	0.015	57.909	TRUE	3.06E-13
FVC	BRSK2	cg05404940	rs7395567	T	C	0.835	0.025	0.266	4.07E-247	0.004	0.003	0.129	0.233	1126.578	TRUE	2.28E-221
FVC	BRSK2	cg05404940	rs77338313	A	G	0.620	0.102	0.031	1.06E-09	0.000	0.008	0.974	0.010	37.186	TRUE	1.39E-09
FVC	BRSK2	cg05516327	rs10837692	T	C	-0.191	0.031	0.175	7.16E-10	0.000	0.003	0.941	0.010	37.957	TRUE	9.64E-10
FVC	BRSK2	cg05516327	rs11029038	A	C	-0.211	0.025	0.322	8.31E-17	0.000	0.003	0.896	0.018	69.296	TRUE	1.60E-16
FVC	BRSK2	cg05516327	rs1109746	T	C	-0.340	0.023	0.456	1.96E-48	0.002	0.002	0.452	0.055	213.764	TRUE	1.17E-46
FVC	BRSK2	cg05516327	rs12788273	A	G	0.162	0.026	0.277	8.50E-10	-0.002	0.003	0.487	0.010	37.621	TRUE	1.67E-09
FVC	BRSK2	cg05516327	rs1973846	T	C	-0.239	0.028	0.241	5.87E-18	-0.001	0.003	0.839	0.020	74.524	TRUE	1.28E-17
FVC	BRSK2	cg05516327	rs2943521	A	G	-0.173	0.024	0.439	2.50E-13	0.007	0.002	0.002	0.014	53.534	TRUE	3.09E-12
FVC	BRSK2	cg05516327	rs60078451	A	T	0.279	0.049	0.065	1.69E-08	-0.001	0.005	0.900	0.009	31.801	TRUE	2.23E-08
FVC	BRSK2	cg05516327	rs61867592	A	G	0.343	0.052	0.098	3.94E-11	-0.003	0.004	0.487	0.012	43.618	TRUE	8.40E-11
FVC	BRSK2	cg05516327	rs72847939	T	C	0.563	0.081	0.017	2.82E-12	0.005	0.009	0.536	0.013	48.781	TRUE	6.11E-12
FVC	BRSK2	cg05516327	rs7944983	A	G	0.275	0.044	0.077	3.63E-10	0.009	0.004	0.052	0.011	39.281	TRUE	1.54E-09
FVC	BRSK2	cg06300961	rs7395567	T	C	0.279	0.026	0.266	6.23E-26	0.004	0.003	0.129	0.029	110.838	TRUE	8.73E-25
FVC	BRSK2	cg06787104	rs10766282	T	A	0.622	0.061	0.046	9.38E-25	-0.002	0.006	0.704	0.028	105.467	TRUE	3.76E-24
FVC	BRSK2	cg06787104	rs111886352	G	C	-0.266	0.038	0.117	2.59E-12	0.001	0.004	0.811	0.013	48.950	TRUE	4.35E-12
FVC	BRSK2	cg06787104	rs115584864	C	G	-0.330	0.026	0.273	9.02E-37	0.004	0.003	0.161	0.042	160.363	TRUE	3.37E-35
FVC	BRSK2	cg06787104	rs11604075	T	C	0.201	0.026	0.285	6.62E-15	-0.004	0.003	0.089	0.016	60.675	TRUE	3.74E-14
FVC	BRSK2	cg06787104	rs117017076	G	C	-0.287	0.042	0.091	5.39E-12	-0.002	0.004	0.695	0.013	47.512	TRUE	9.77E-12
FVC	BRSK2	cg06787104	rs117107041	A	G	0.483	0.051	0.053	4.56E-21	0.015	0.005	0.002	0.023	88.665	TRUE	1.54E-19
FVC	BRSK2	cg06787104	rs34666042	T	C	0.263	0.032	0.164	8.68E-17	-0.009	0.003	0.007	0.018	69.212	TRUE	1.33E-15
FVC	BRSK2	cg06787104	rs73407443	T	C	-0.270	0.048	0.063	2.42E-08	0.002	0.005	0.723	0.008	31.108	TRUE	3.61E-08
FVC	BRSK2	cg06787104	rs7395006	C	T	0.202	0.024	0.387	9.25E-17	0.004	0.002	0.087	0.018	69.087	TRUE	6.29E-16
FVC	BRSK2	cg06787104	rs77338313	A	G	0.571	0.102	0.031	1.97E-08	0.000	0.008	0.974	0.008	31.507	TRUE	2.46E-08
FVC	BRSK2	cg06787104	rs7932863	A	G	0.825	0.025	0.270	1.12E-243	0.004	0.003	0.129	0.231	1110.767	TRUE	1.56E-218
FVC	BRSK2	cg06812836	rs10832955	T	C	-0.407	0.024	0.368	8.49E-65	0.005	0.002	0.037	0.072	288.779	TRUE	3.84E-61
FVC	BRSK2	cg06812836	rs117107041	A	G	0.589	0.051	0.053	1.07E-30	0.015	0.005	0.002	0.035	132.603	TRUE	1.24E-28
FVC	BRSK2	cg06812836	rs138708159	T	C	-0.410	0.073	0.025	2.23E-08	-0.003	0.007	0.648	0.008	31.264	TRUE	3.53E-08
FVC	BRSK2	cg06812836	rs181332597	T	C	0.644	0.100	0.036	1.42E-10	-0.005	0.007	0.532	0.011	41.109	TRUE	2.80E-10
FVC	BRSK2	cg06812836	rs2735703	G	A	0.284	0.041	0.092	4.19E-12	0.003	0.004	0.406	0.013	48.008	TRUE	1.03E-11
FVC	BRSK2	cg06812836	rs34666042	T	C	0.239	0.032	0.164	4.06E-14	-0.009	0.003	0.007	0.015	57.109	TRUE	4.50E-13
FVC	BRSK2	cg06812836	rs66658795	T	C	-0.256	0.024	0.445	1.24E-27	0.004	0.002	0.091	0.031	118.608	TRUE	2.34E-26
FVC	BRSK2	cg06812836	rs73407443	T	C	-0.324	0.048	0.063	2.03E-11	0.002	0.005	0.723	0.012	44.913	TRUE	3.54E-11
FVC	BRSK2	cg06812836	rs7395006	C	T	0.287	0.024	0.387	2.50E-32	0.004	0.002	0.087	0.036	140.046	TRUE	8.14E-31
FVC	BRSK2	cg06812836	rs7395567	T	C	0.856	0.025	0.266	3.40E-261	0.004	0.003	0.129	0.244	1191.321	TRUE	6.39E-233
FVC	BRSK2	cg06812836	rs74542903	T	C	-0.242	0.036	0.118	2.54E-11	-0.004	0.004	0.330	0.012	44.478	TRUE	6.51E-11
FVC	BRSK2	cg07067744	rs10835060	T	G	-0.177	0.029	0.193	1.72E-09	0.001	0.003	0.681	0.010	36.243	TRUE	2.79E-09
FVC	BRSK2	cg07067744	rs11604075	T	C	0.223	0.026	0.285	5.38E-18	-0.004	0.003	0.089	0.020	74.695	TRUE	4.06E-17
FVC	BRSK2	cg07067744	rs117107041	A	G	0.377	0.051	0.053	2.16E-13	0.015	0.005	0.002	0.014	53.822	TRUE	2.72E-12
FVC	BRSK2	cg07067744	rs12808343	G	A	-0.160	0.028	0.235	1.55E-08	-0.002	0.003	0.516	0.009	31.969	TRUE	2.73E-08

FVC	BRSK2	cg07067744	rs34666042	T	C	0.231	0.032	0.164	2.18E-13	-0.009	0.003	0.007	0.014	53.803	TRUE	2.21E-12
FVC	BRSK2	cg07067744	rs5743915	A	G	0.131	0.024	0.415	3.33E-08	0.001	0.002	0.690	0.008	30.491	TRUE	4.97E-08
FVC	BRSK2	cg07067744	rs7395006	C	T	0.193	0.024	0.387	2.07E-15	0.004	0.002	0.087	0.017	62.963	TRUE	1.24E-14
FVC	BRSK2	cg07067744	rs77338313	A	G	0.582	0.102	0.031	1.03E-08	0.000	0.008	0.974	0.009	32.773	TRUE	1.29E-08
FVC	BRSK2	cg07067744	rs7932863	A	G	0.661	0.026	0.270	1.83E-147	0.004	0.003	0.129	0.153	668.431	TRUE	1.71E-136
FVC	BRSK2	cg07479615	rs10832442	C	T	0.320	0.024	0.412	1.88E-41	0.003	0.002	0.203	0.047	181.784	TRUE	9.77E-40
FVC	BRSK2	cg07479615	rs11037380	A	G	-0.330	0.035	0.137	5.65E-21	0.004	0.003	0.286	0.023	88.243	TRUE	3.22E-20
FVC	BRSK2	cg07479615	rs111966929	T	C	-0.732	0.066	0.032	2.14E-28	-0.013	0.006	0.034	0.032	122.082	TRUE	7.07E-27
FVC	BRSK2	cg07479615	rs113969661	T	C	-0.648	0.085	0.018	2.99E-14	-0.016	0.010	0.102	0.015	57.712	TRUE	1.52E-13
FVC	BRSK2	cg07479615	rs11605284	C	T	0.213	0.026	0.277	4.16E-16	-0.003	0.003	0.211	0.018	66.122	TRUE	1.90E-15
FVC	BRSK2	cg07479615	rs117005356	T	C	0.427	0.074	0.026	8.64E-09	-0.007	0.007	0.302	0.009	33.108	TRUE	1.91E-08
FVC	BRSK2	cg07479615	rs117107041	A	G	-0.314	0.051	0.053	1.00E-09	0.015	0.005	0.002	0.010	37.297	TRUE	7.68E-09
FVC	BRSK2	cg07479615	rs118072498	A	G	0.346	0.055	0.094	2.13E-10	-0.003	0.004	0.407	0.011	40.323	TRUE	4.66E-10
FVC	BRSK2	cg07479615	rs11822504	T	C	-0.131	0.024	0.482	2.35E-08	0.002	0.002	0.450	0.008	31.166	TRUE	4.41E-08
FVC	BRSK2	cg07479615	rs12221827	C	T	0.339	0.025	0.322	1.69E-41	-0.001	0.003	0.685	0.047	181.997	TRUE	2.93E-40
FVC	BRSK2	cg07479615	rs1574122	T	C	-0.586	0.029	0.187	1.96E-89	0.002	0.003	0.427	0.098	401.842	TRUE	6.09E-85
FVC	BRSK2	cg07479615	rs17821107	C	G	0.405	0.038	0.114	3.21E-26	0.000	0.004	0.937	0.029	112.151	TRUE	1.07E-25
FVC	BRSK2	cg07479615	rs34397346	A	G	-0.202	0.027	0.252	1.59E-13	0.007	0.003	0.011	0.015	54.430	TRUE	1.42E-12
FVC	BRSK2	cg07479615	rs4881747	T	C	0.432	0.059	0.042	1.70E-13	-0.005	0.006	0.421	0.014	54.289	TRUE	4.53E-13
FVC	BRSK2	cg07479615	rs55988415	T	A	0.303	0.051	0.060	3.64E-09	0.012	0.005	0.024	0.009	34.787	TRUE	1.65E-08
FVC	BRSK2	cg07479615	rs56146392	C	A	-0.309	0.047	0.072	3.27E-11	0.010	0.005	0.032	0.012	43.982	TRUE	1.76E-10
FVC	BRSK2	cg07479615	rs79349719	A	G	-0.290	0.044	0.074	6.29E-11	0.004	0.004	0.338	0.011	42.706	TRUE	1.57E-10
FVC	BRSK2	cg07479615	rs908224	G	T	-0.277	0.024	0.350	4.95E-30	-0.005	0.003	0.044	0.034	129.557	TRUE	1.71E-28
FVC	BRSK2	cg07652408	rs7395567	T	C	0.230	0.027	0.266	4.12E-18	0.004	0.003	0.129	0.020	75.222	TRUE	2.77E-17
FVC	BRSK2	cg08012275	rs11604075	T	C	0.183	0.025	0.285	5.36E-13	-0.004	0.003	0.089	0.014	52.041	TRUE	2.54E-12
FVC	BRSK2	cg08012275	rs3793964	T	C	-0.143	0.024	0.368	2.37E-09	0.004	0.002	0.103	0.010	35.623	TRUE	7.68E-09
FVC	BRSK2	cg08012275	rs7395006	C	T	0.149	0.024	0.387	5.31E-10	0.004	0.002	0.087	0.010	38.538	TRUE	1.92E-09
FVC	BRSK2	cg08012275	rs7395567	T	C	0.387	0.026	0.266	2.69E-50	0.004	0.003	0.129	0.057	222.294	TRUE	6.09E-48
FVC	BRSK2	cg09167291	rs10832574	T	C	0.168	0.024	0.390	2.55E-12	0.005	0.002	0.052	0.013	48.979	TRUE	1.35E-11
FVC	BRSK2	cg09167291	rs11024617	A	G	-0.168	0.027	0.250	3.67E-10	0.003	0.003	0.229	0.011	39.258	TRUE	1.01E-09
FVC	BRSK2	cg09167291	rs11027462	T	C	-0.175	0.023	0.445	5.04E-14	0.004	0.002	0.083	0.015	56.683	TRUE	2.66E-13
FVC	BRSK2	cg09167291	rs7395567	T	C	0.331	0.026	0.266	9.27E-37	0.004	0.003	0.129	0.042	160.309	TRUE	4.04E-35
FVC	BRSK2	cg09291824	rs10834052	T	C	0.288	0.031	0.185	4.13E-21	-0.003	0.003	0.368	0.023	88.864	TRUE	2.06E-20
FVC	BRSK2	cg09291824	rs117107041	A	G	0.318	0.051	0.053	5.42E-10	0.015	0.005	0.002	0.010	38.500	TRUE	4.30E-09
FVC	BRSK2	cg09291824	rs12282543	G	A	-0.165	0.029	0.221	6.78E-09	-0.002	0.003	0.564	0.009	33.578	TRUE	1.17E-08
FVC	BRSK2	cg09291824	rs7395567	T	C	0.411	0.026	0.266	6.81E-55	0.004	0.003	0.129	0.062	243.362	TRUE	2.87E-52
FVC	BRSK2	cg09291824	rs74046935	G	A	-0.292	0.025	0.297	2.03E-30	-0.001	0.003	0.820	0.034	131.326	TRUE	1.09E-29
FVC	BRSK2	cg09450823	rs10766282	T	A	0.370	0.061	0.046	1.10E-09	-0.002	0.006	0.704	0.010	37.121	TRUE	1.76E-09
FVC	BRSK2	cg09450823	rs10832574	T	C	0.183	0.024	0.390	4.41E-14	0.005	0.002	0.052	0.015	56.946	TRUE	2.79E-13
FVC	BRSK2	cg09450823	rs11035302	C	A	-0.140	0.026	0.313	4.03E-08	-0.001	0.003	0.725	0.008	30.117	TRUE	5.95E-08
FVC	BRSK2	cg09450823	rs11599943	T	C	0.523	0.066	0.031	2.69E-15	0.014	0.007	0.029	0.017	62.449	TRUE	2.30E-14
FVC	BRSK2	cg09450823	rs34666042	T	C	0.180	0.032	0.164	1.13E-08	-0.009	0.003	0.007	0.009	32.593	TRUE	6.26E-08

FVC	BRSK2	cg09450823	rs55813014	C	T	-0.202	0.023	0.473	7.12E-18	0.005	0.002	0.031	0.020	74.142	TRUE	7.55E-17
FVC	BRSK2	cg09450823	rs7395567	T	C	0.537	0.026	0.266	1.07E-94	0.004	0.003	0.129	0.103	426.009	TRUE	3.68E-89
FVC	BRSK2	cg09450823	rs9651643	T	C	-0.131	0.024	0.445	2.93E-08	0.004	0.002	0.092	0.008	30.735	TRUE	8.77E-08
FVC	BRSK2	cg09461507	rs11604075	T	C	0.228	0.026	0.285	6.56E-19	-0.004	0.003	0.089	0.021	78.850	TRUE	5.39E-18
FVC	BRSK2	cg09461507	rs3793964	T	C	-0.187	0.024	0.368	1.41E-14	0.004	0.002	0.103	0.016	59.184	TRUE	7.38E-14
FVC	BRSK2	cg09461507	rs7395006	C	T	0.191	0.024	0.387	3.28E-15	0.004	0.002	0.087	0.017	62.057	TRUE	1.93E-14
FVC	BRSK2	cg09461507	rs7395567	T	C	0.440	0.026	0.266	4.52E-63	0.004	0.003	0.129	0.071	280.860	TRUE	6.21E-60
FVC	BRSK2	cg09600088	rs10832574	T	C	0.190	0.024	0.390	4.27E-15	0.005	0.002	0.052	0.016	61.538	TRUE	2.99E-14
FVC	BRSK2	cg09600088	rs11027462	T	C	-0.192	0.023	0.445	2.42E-16	0.004	0.002	0.083	0.018	67.190	TRUE	1.58E-15
FVC	BRSK2	cg09600088	rs11599943	T	C	0.469	0.066	0.031	1.33E-12	0.014	0.007	0.029	0.013	50.252	TRUE	8.55E-12
FVC	BRSK2	cg09600088	rs2075859	T	C	-0.180	0.024	0.369	7.72E-14	0.005	0.002	0.038	0.015	55.845	TRUE	5.21E-13
FVC	BRSK2	cg09600088	rs7395567	T	C	0.500	0.026	0.266	5.59E-82	0.004	0.003	0.129	0.090	367.616	TRUE	1.74E-77
FVC	BRSK2	cg09600088	rs79057596	G	A	0.379	0.068	0.036	2.09E-08	-0.001	0.007	0.889	0.008	31.388	TRUE	2.77E-08
FVC	BRSK2	cg09790617	rs11599943	T	C	0.367	0.066	0.031	3.29E-08	0.014	0.007	0.029	0.008	30.510	TRUE	1.30E-07
FVC	BRSK2	cg09790617	rs11604075	T	C	0.201	0.026	0.285	6.09E-15	-0.004	0.003	0.089	0.016	60.839	TRUE	3.46E-14
FVC	BRSK2	cg09790617	rs2334657	C	T	-0.141	0.024	0.400	5.66E-09	0.002	0.002	0.397	0.009	33.930	TRUE	1.14E-08
FVC	BRSK2	cg09790617	rs34666042	T	C	0.213	0.032	0.164	1.30E-11	-0.009	0.003	0.007	0.012	45.796	TRUE	1.05E-10
FVC	BRSK2	cg09790617	rs3793964	T	C	-0.195	0.024	0.368	7.93E-16	0.004	0.002	0.103	0.017	64.852	TRUE	4.64E-15
FVC	BRSK2	cg09790617	rs7395006	C	T	0.168	0.024	0.387	5.14E-12	0.004	0.002	0.087	0.013	47.606	TRUE	2.25E-11
FVC	BRSK2	cg09790617	rs7395567	T	C	0.570	0.026	0.266	1.09E-106	0.004	0.003	0.129	0.115	481.091	TRUE	4.49E-100
FVC	BRSK2	cg10026995	rs1038727	A	G	0.189	0.029	0.201	1.14E-10	-0.005	0.003	0.098	0.011	41.536	TRUE	4.26E-10
FVC	BRSK2	cg10026995	rs11028763	C	T	-0.457	0.024	0.359	5.37E-81	0.005	0.003	0.060	0.089	363.105	TRUE	2.40E-76
FVC	BRSK2	cg10026995	rs113773442	G	C	-0.302	0.037	0.113	4.23E-16	-0.002	0.004	0.513	0.018	66.091	TRUE	1.21E-15
FVC	BRSK2	cg10026995	rs11599943	T	C	0.540	0.066	0.031	3.75E-16	0.014	0.007	0.029	0.018	66.330	TRUE	3.51E-15
FVC	BRSK2	cg10026995	rs34666042	T	C	0.260	0.032	0.164	1.64E-16	-0.009	0.003	0.007	0.018	67.952	TRUE	2.43E-15
FVC	BRSK2	cg10026995	rs3793964	T	C	-0.235	0.024	0.368	2.78E-22	0.004	0.002	0.103	0.025	94.203	TRUE	2.97E-21
FVC	BRSK2	cg10026995	rs6578412	T	C	-0.524	0.070	0.052	7.84E-14	-0.008	0.005	0.118	0.015	55.816	TRUE	3.65E-13
FVC	BRSK2	cg10026995	rs66658795	T	C	-0.192	0.024	0.445	3.94E-16	0.004	0.002	0.091	0.018	66.229	TRUE	2.45E-15
FVC	BRSK2	cg10026995	rs72847985	A	G	0.215	0.033	0.146	6.79E-11	-0.001	0.003	0.845	0.011	42.555	TRUE	1.03E-10
FVC	BRSK2	cg10026995	rs7395006	C	T	0.234	0.024	0.387	5.62E-22	0.004	0.002	0.087	0.024	92.807	TRUE	6.29E-21
FVC	BRSK2	cg10026995	rs7395567	T	C	0.773	0.025	0.266	9.94E-207	0.004	0.003	0.129	0.203	940.867	TRUE	1.21E-187
FVC	BRSK2	cg10026995	rs7482040	C	T	0.497	0.061	0.045	2.14E-16	-0.002	0.006	0.722	0.018	67.431	TRUE	4.87E-16
FVC	BRSK2	cg10026995	rs77338313	A	G	0.731	0.101	0.031	5.58E-13	0.000	0.008	0.974	0.014	51.961	TRUE	8.36E-13
FVC	BRSK2	cg10026995	rs79956640	G	A	-0.559	0.082	0.022	1.22E-11	-0.005	0.007	0.488	0.012	45.918	TRUE	2.66E-11
FVC	BRSK2	cg10026995	rs9651637	G	A	-0.258	0.026	0.284	4.00E-23	0.002	0.003	0.504	0.026	98.038	TRUE	1.86E-22
FVC	BRSK2	cg10107466	rs11023856	T	C	0.149	0.026	0.303	5.55E-09	0.007	0.003	0.007	0.009	33.967	TRUE	3.25E-08
FVC	BRSK2	cg10107466	rs112066837	C	T	0.299	0.024	0.360	4.20E-36	0.003	0.003	0.232	0.041	157.309	TRUE	1.14E-34
FVC	BRSK2	cg10107466	rs112544636	T	C	-0.193	0.026	0.260	2.39E-13	0.003	0.003	0.302	0.014	53.626	TRUE	7.41E-13
FVC	BRSK2	cg10107466	rs11604075	T	C	0.182	0.025	0.285	7.37E-13	-0.004	0.003	0.089	0.014	51.414	TRUE	3.45E-12
FVC	BRSK2	cg10355759	rs11604075	T	C	-0.257	0.026	0.285	1.55E-23	-0.004	0.003	0.089	0.026	99.912	TRUE	1.99E-22
FVC	BRSK2	cg10355759	rs117107041	A	G	-0.436	0.051	0.053	1.42E-17	0.015	0.005	0.002	0.019	72.774	TRUE	3.08E-16
FVC	BRSK2	cg10355759	rs1881506	T	C	0.215	0.029	0.209	2.48E-13	-0.001	0.003	0.670	0.014	53.553	TRUE	4.96E-13

FVC	BRSK2	cg10355759	rs2334657	C	T	0.143	0.024	0.400	2.99E-09	0.002	0.002	0.397	0.009	35.174	TRUE	6.11E-09
FVC	BRSK2	cg10355759	rs34666042	T	C	-0.197	0.032	0.164	3.80E-10	-0.009	0.003	0.007	0.010	39.190	TRUE	2.57E-09
FVC	BRSK2	cg10355759	rs3793964	T	C	0.268	0.024	0.368	1.16E-28	0.004	0.002	0.103	0.032	123.291	TRUE	2.34E-27
FVC	BRSK2	cg10355759	rs7395006	C	T	-0.276	0.024	0.387	4.08E-30	0.004	0.002	0.087	0.034	129.939	TRUE	1.04E-28
FVC	BRSK2	cg10355759	rs7395567	T	C	-0.703	0.025	0.266	1.37E-168	0.004	0.003	0.129	0.171	765.534	TRUE	5.79E-155
FVC	BRSK2	cg10490888	rs12788273	A	G	0.286	0.026	0.277	7.10E-28	-0.002	0.003	0.487	0.031	119.705	TRUE	5.09E-27
FVC	BRSK2	cg10590925	rs10734285	A	C	-0.223	0.031	0.172	9.13E-13	-0.005	0.003	0.091	0.014	50.996	TRUE	4.19E-12
FVC	BRSK2	cg10590925	rs11029917	T	C	-0.282	0.037	0.116	2.75E-14	-0.003	0.004	0.484	0.015	57.877	TRUE	7.12E-14
FVC	BRSK2	cg10590925	rs11039094	C	G	0.219	0.036	0.116	1.27E-09	-0.001	0.004	0.882	0.010	36.843	TRUE	1.77E-09
FVC	BRSK2	cg10590925	rs11603080	A	C	0.391	0.054	0.048	4.90E-13	0.006	0.005	0.234	0.014	52.217	TRUE	1.64E-12
FVC	BRSK2	cg10590925	rs11604075	T	C	0.486	0.025	0.285	2.09E-82	-0.004	0.003	0.089	0.091	369.583	TRUE	9.24E-78
FVC	BRSK2	cg10590925	rs117107041	A	G	0.606	0.051	0.053	1.98E-32	0.015	0.005	0.002	0.037	140.517	TRUE	2.90E-30
FVC	BRSK2	cg10590925	rs12282543	G	A	-0.336	0.028	0.221	3.11E-32	-0.002	0.003	0.564	0.036	139.618	TRUE	2.81E-31
FVC	BRSK2	cg10590925	rs12806189	C	G	-0.285	0.046	0.073	3.69E-10	0.008	0.004	0.060	0.010	39.249	TRUE	1.50E-09
FVC	BRSK2	cg10590925	rs145553613	C	T	0.894	0.106	0.031	3.99E-17	-0.002	0.009	0.849	0.019	70.745	TRUE	8.29E-17
FVC	BRSK2	cg10590925	rs28386994	T	A	-0.271	0.029	0.206	4.51E-21	0.004	0.003	0.219	0.023	88.687	TRUE	2.96E-20
FVC	BRSK2	cg10590925	rs34666042	T	C	0.355	0.031	0.164	1.21E-29	-0.009	0.003	0.007	0.033	127.774	TRUE	8.84E-28
FVC	BRSK2	cg10590925	rs3793964	T	C	-0.379	0.024	0.368	2.69E-56	0.004	0.002	0.103	0.063	249.796	TRUE	1.57E-53
FVC	BRSK2	cg10590925	rs4255564	C	T	1.173	0.018	0.260	<1E-200	0.003	0.003	0.295	0.525	4092.344	TRUE	<1E-200
FVC	BRSK2	cg10590925	rs540448667	G	C	-0.426	0.068	0.033	3.49E-10	-0.014	0.006	0.025	0.011	39.355	TRUE	1.76E-09
FVC	BRSK2	cg10590925	rs5743915	A	G	0.206	0.024	0.415	3.63E-18	0.001	0.002	0.690	0.020	75.471	TRUE	9.38E-18
FVC	BRSK2	cg10590925	rs66496921	C	G	-0.179	0.024	0.405	1.35E-13	0.004	0.002	0.130	0.015	54.741	TRUE	5.93E-13
FVC	BRSK2	cg10590925	rs7395006	C	T	0.358	0.024	0.387	4.35E-50	0.004	0.002	0.087	0.056	221.336	TRUE	1.22E-47
FVC	BRSK2	cg10590925	rs77338313	A	G	0.988	0.101	0.031	1.04E-22	0.000	0.008	0.974	0.025	96.153	TRUE	2.60E-22
FVC	BRSK2	cg10590925	rs79646282	T	C	0.711	0.097	0.038	2.42E-13	0.001	0.006	0.908	0.014	53.602	TRUE	3.91E-13
FVC	BRSK2	cg11022513	rs112066837	C	T	0.242	0.024	0.360	4.94E-24	0.003	0.003	0.232	0.027	102.178	TRUE	4.16E-23
FVC	BRSK2	cg11022513	rs143851582	T	C	0.527	0.069	0.028	3.05E-14	-0.015	0.007	0.019	0.015	57.668	TRUE	2.55E-13
FVC	BRSK2	cg11254847	rs7102279	T	C	-0.199	0.028	0.238	4.94E-13	-0.002	0.003	0.487	0.014	52.201	TRUE	1.19E-12
FVC	BRSK2	cg11307363	rs10766272	T	C	0.495	0.061	0.046	6.05E-16	-0.002	0.006	0.704	0.017	65.385	TRUE	1.36E-15
FVC	BRSK2	cg11307363	rs10837858	A	G	0.319	0.053	0.051	1.77E-09	-0.001	0.005	0.899	0.010	36.195	TRUE	2.44E-09
FVC	BRSK2	cg11307363	rs111886352	G	C	-0.224	0.038	0.117	3.87E-09	0.001	0.004	0.811	0.009	34.667	TRUE	5.60E-09
FVC	BRSK2	cg11307363	rs117107041	A	G	0.567	0.051	0.053	1.31E-28	0.015	0.005	0.002	0.032	123.053	TRUE	1.17E-26
FVC	BRSK2	cg11307363	rs117431642	T	C	0.747	0.109	0.026	7.57E-12	0.001	0.008	0.954	0.013	46.850	TRUE	1.11E-11
FVC	BRSK2	cg11307363	rs12360952	T	C	0.199	0.035	0.305	1.99E-08	0.001	0.003	0.752	0.008	31.486	TRUE	2.90E-08
FVC	BRSK2	cg11307363	rs12808343	G	A	-0.178	0.028	0.235	2.59E-10	-0.002	0.003	0.516	0.011	39.937	TRUE	5.07E-10
FVC	BRSK2	cg11307363	rs151218125	T	C	-0.337	0.055	0.049	8.20E-10	-0.001	0.006	0.909	0.010	37.693	TRUE	1.14E-09
FVC	BRSK2	cg11307363	rs2735703	G	A	0.234	0.041	0.092	1.02E-08	0.003	0.004	0.406	0.009	32.776	TRUE	2.02E-08
FVC	BRSK2	cg11307363	rs34666042	T	C	0.262	0.032	0.164	1.05E-16	-0.009	0.003	0.007	0.018	68.837	TRUE	1.59E-15
FVC	BRSK2	cg11307363	rs4255564	C	T	0.938	0.023	0.260	<1E-200	0.003	0.003	0.295	0.311	1673.425	TRUE	<1E-200
FVC	BRSK2	cg11307363	rs55813014	C	T	-0.335	0.023	0.473	6.81E-47	0.005	0.002	0.031	0.053	206.699	TRUE	2.19E-44
FVC	BRSK2	cg11307363	rs60707923	A	G	-0.322	0.027	0.260	8.83E-34	0.003	0.003	0.348	0.038	146.686	TRUE	1.38E-32
FVC	BRSK2	cg11307363	rs66658795	T	C	-0.272	0.023	0.445	4.83E-31	0.004	0.002	0.091	0.035	134.170	TRUE	1.31E-29

FVC	BRSK2	cg11307363	rs7395006	C	T	0.323	0.024	0.387	9.72E-41	0.004	0.002	0.087	0.046	178.519	TRUE	8.28E-39
FVC	BRSK2	cg11307363	rs74542903	T	C	-0.206	0.036	0.118	1.40E-08	-0.004	0.004	0.330	0.009	32.173	TRUE	2.95E-08
FVC	BRSK2	cg11307363	rs79646282	T	C	0.598	0.097	0.038	8.24E-10	0.001	0.006	0.908	0.010	37.682	TRUE	1.14E-09
FVC	BRSK2	cg11661000	rs10835060	T	G	0.248	0.029	0.193	3.45E-17	0.001	0.003	0.681	0.019	71.029	TRUE	8.56E-17
FVC	BRSK2	cg11661000	rs112708029	G	T	0.262	0.037	0.112	1.22E-12	-0.002	0.004	0.510	0.013	50.426	TRUE	2.79E-12
FVC	BRSK2	cg11661000	rs11603080	A	C	-0.404	0.054	0.048	7.23E-14	0.006	0.005	0.234	0.015	55.974	TRUE	2.59E-13
FVC	BRSK2	cg11661000	rs11606628	T	C	-0.305	0.026	0.278	9.75E-32	-0.005	0.003	0.036	0.036	137.348	TRUE	4.46E-30
FVC	BRSK2	cg11661000	rs117107041	A	G	-0.597	0.051	0.053	1.76E-31	0.015	0.005	0.002	0.036	136.173	TRUE	2.28E-29
FVC	BRSK2	cg11661000	rs12808343	G	A	0.224	0.028	0.235	1.95E-15	-0.002	0.003	0.516	0.017	63.081	TRUE	5.24E-15
FVC	BRSK2	cg11661000	rs145553613	C	T	-0.752	0.107	0.031	1.77E-12	-0.002	0.009	0.849	0.013	49.694	TRUE	2.90E-12
FVC	BRSK2	cg11661000	rs2334657	C	T	0.290	0.024	0.400	2.46E-33	0.002	0.002	0.397	0.038	144.653	TRUE	3.31E-32
FVC	BRSK2	cg11661000	rs34666042	T	C	-0.344	0.031	0.164	8.00E-28	-0.009	0.003	0.007	0.031	119.470	TRUE	4.64E-26
FVC	BRSK2	cg11661000	rs3793964	T	C	0.411	0.024	0.368	2.76E-66	0.004	0.002	0.103	0.074	295.603	TRUE	7.13E-63
FVC	BRSK2	cg11661000	rs4255564	C	T	-1.145	0.019	0.260	<1E-200	0.003	0.003	0.295	0.499	3687.225	TRUE	<1E-200
FVC	BRSK2	cg11661000	rs4963039	T	C	-0.665	0.060	0.044	3.01E-28	-0.002	0.006	0.723	0.032	121.408	TRUE	1.54E-27
FVC	BRSK2	cg11661000	rs60707923	A	G	0.169	0.027	0.260	2.89E-10	0.003	0.003	0.348	0.011	39.727	TRUE	6.69E-10
FVC	BRSK2	cg11661000	rs66658795	T	C	0.336	0.023	0.445	5.43E-47	0.004	0.002	0.091	0.053	207.152	TRUE	9.54E-45
FVC	BRSK2	cg11661000	rs7395006	C	T	-0.350	0.024	0.387	8.34E-48	0.004	0.002	0.087	0.054	210.879	TRUE	1.72E-45
FVC	BRSK2	cg11661000	rs77338313	A	G	-0.813	0.101	0.031	8.85E-16	0.000	0.008	0.974	0.017	64.635	TRUE	1.51E-15
FVC	BRSK2	cg11661000	rs868903	T	C	0.227	0.032	0.473	1.21E-12	-0.001	0.003	0.698	0.013	50.439	TRUE	2.31E-12
FVC	BRSK2	cg11724511	rs10833730	C	A	0.160	0.028	0.242	6.97E-09	-0.003	0.003	0.288	0.009	33.526	TRUE	1.59E-08
FVC	BRSK2	cg11724511	rs117266612	A	G	-0.453	0.072	0.027	2.48E-10	-0.015	0.007	0.019	0.011	40.024	TRUE	1.35E-09
FVC	BRSK2	cg11724511	rs7122936	C	A	-0.211	0.024	0.407	5.57E-19	0.003	0.002	0.293	0.021	79.170	TRUE	2.67E-18
FVC	BRSK2	cg11724511	rs7395567	T	C	0.327	0.026	0.266	3.10E-35	0.004	0.003	0.129	0.040	153.336	TRUE	1.14E-33
FVC	BRSK2	cg11772193	rs12788273	A	G	0.208	0.026	0.277	1.19E-15	-0.002	0.003	0.487	0.017	64.050	TRUE	3.40E-15
FVC	BRSK2	cg12064373	rs10837407	T	C	-0.217	0.026	0.313	2.54E-17	0.001	0.003	0.804	0.019	71.636	TRUE	5.57E-17
FVC	BRSK2	cg12064373	rs10837856	T	G	0.388	0.053	0.051	2.26E-13	0.000	0.005	0.945	0.014	53.733	TRUE	3.58E-13
FVC	BRSK2	cg12064373	rs10839220	A	C	0.130	0.024	0.489	3.29E-08	0.003	0.002	0.198	0.008	30.514	TRUE	8.07E-08
FVC	BRSK2	cg12064373	rs111886352	G	C	-0.344	0.038	0.117	1.10E-19	0.001	0.004	0.811	0.022	82.370	TRUE	2.78E-19
FVC	BRSK2	cg12064373	rs11604757	T	C	0.208	0.036	0.118	1.03E-08	0.002	0.004	0.635	0.009	32.769	TRUE	1.68E-08
FVC	BRSK2	cg12064373	rs11606628	T	C	0.301	0.026	0.278	4.12E-31	-0.005	0.003	0.036	0.035	134.486	TRUE	1.75E-29
FVC	BRSK2	cg12064373	rs117107041	A	G	0.626	0.051	0.053	1.33E-34	0.015	0.005	0.002	0.039	150.444	TRUE	2.62E-32
FVC	BRSK2	cg12064373	rs117926221	T	G	-0.376	0.064	0.090	4.51E-09	0.007	0.004	0.134	0.009	34.373	TRUE	1.33E-08
FVC	BRSK2	cg12064373	rs12575817	T	C	-0.310	0.050	0.060	6.68E-10	0.002	0.005	0.723	0.010	38.091	TRUE	1.08E-09
FVC	BRSK2	cg12064373	rs181332597	T	C	0.625	0.100	0.036	4.85E-10	-0.005	0.007	0.532	0.010	38.716	TRUE	9.25E-10
FVC	BRSK2	cg12064373	rs2735703	G	A	0.290	0.041	0.092	1.40E-12	0.003	0.004	0.406	0.013	50.163	TRUE	3.54E-12
FVC	BRSK2	cg12064373	rs34666042	T	C	0.348	0.031	0.164	1.69E-28	-0.009	0.003	0.007	0.032	122.555	TRUE	1.07E-26
FVC	BRSK2	cg12064373	rs4255564	C	T	1.184	0.018	0.260	<1E-200	0.003	0.003	0.295	0.536	4278.709	TRUE	<1E-200
FVC	BRSK2	cg12064373	rs4881747	T	C	-0.332	0.059	0.042	1.65E-08	-0.005	0.006	0.421	0.009	31.856	TRUE	3.16E-08
FVC	BRSK2	cg12064373	rs60707923	A	G	-0.180	0.027	0.260	1.71E-11	0.003	0.003	0.348	0.012	45.250	TRUE	4.31E-11
FVC	BRSK2	cg12064373	rs66658795	T	C	-0.345	0.023	0.445	1.59E-49	0.004	0.002	0.091	0.056	218.761	TRUE	3.88E-47
FVC	BRSK2	cg12064373	rs7118474	G	A	-0.172	0.030	0.194	1.06E-08	0.002	0.003	0.498	0.009	32.702	TRUE	1.94E-08

FVC	BRSK2	cg12064373	rs7395006	C	T	0.320	0.024	0.387	4.10E-40	0.004	0.002	0.087	0.045	175.658	TRUE	3.24E-38
FVC	BRSK2	cg12064373	rs74542903	T	C	-0.245	0.036	0.118	1.50E-11	-0.004	0.004	0.330	0.012	45.515	TRUE	3.90E-11
FVC	BRSK2	cg12064373	rs77338313	A	G	0.910	0.101	0.031	1.86E-19	0.000	0.008	0.974	0.022	81.335	TRUE	3.86E-19
FVC	BRSK2	cg12064373	rs80138399	A	G	-0.258	0.046	0.076	2.08E-08	0.008	0.005	0.065	0.008	31.405	TRUE	6.92E-08
FVC	BRSK2	cg12064373	rs868903	T	C	-0.212	0.032	0.473	3.22E-11	-0.001	0.003	0.698	0.012	44.018	TRUE	5.68E-11
FVC	BRSK2	cg12186219	rs10734285	A	C	-0.238	0.031	0.172	2.77E-14	-0.005	0.003	0.091	0.015	57.862	TRUE	1.46E-13
FVC	BRSK2	cg12186219	rs10766272	T	C	0.720	0.061	0.046	3.19E-32	-0.002	0.006	0.704	0.036	139.566	TRUE	2.31E-31
FVC	BRSK2	cg12186219	rs11039094	C	G	0.216	0.036	0.116	2.13E-09	-0.001	0.004	0.882	0.010	35.830	TRUE	2.95E-09
FVC	BRSK2	cg12186219	rs11603080	A	C	0.399	0.054	0.048	1.59E-13	0.006	0.005	0.234	0.015	54.430	TRUE	5.53E-13
FVC	BRSK2	cg12186219	rs11604075	T	C	0.431	0.025	0.285	2.79E-64	-0.004	0.003	0.089	0.072	286.403	TRUE	5.88E-61
FVC	BRSK2	cg12186219	rs11604757	T	C	0.208	0.036	0.118	9.75E-09	0.002	0.004	0.635	0.009	32.874	TRUE	1.59E-08
FVC	BRSK2	cg12186219	rs117107041	A	G	0.589	0.051	0.053	9.80E-31	0.015	0.005	0.002	0.035	132.769	TRUE	1.15E-28
FVC	BRSK2	cg12186219	rs117654829	T	A	0.872	0.098	0.038	4.26E-19	-0.005	0.007	0.532	0.021	79.701	TRUE	1.45E-18
FVC	BRSK2	cg12186219	rs28386994	T	A	-0.264	0.029	0.206	4.26E-20	0.004	0.003	0.219	0.022	84.251	TRUE	2.57E-19
FVC	BRSK2	cg12186219	rs28672782	T	C	-0.313	0.031	0.184	1.73E-24	0.001	0.003	0.713	0.027	104.250	TRUE	6.78E-24
FVC	BRSK2	cg12186219	rs34666042	T	C	0.346	0.031	0.164	4.15E-28	-0.009	0.003	0.007	0.032	120.770	TRUE	2.50E-26
FVC	BRSK2	cg12186219	rs3793964	T	C	-0.405	0.024	0.368	2.55E-64	0.004	0.002	0.103	0.072	286.590	TRUE	4.85E-61
FVC	BRSK2	cg12186219	rs4255564	C	T	1.190	0.018	0.260	<1E-200	0.003	0.003	0.295	0.541	4351.364	TRUE	<1E-200
FVC	BRSK2	cg12186219	rs4881724	A	G	-0.260	0.037	0.116	2.00E-12	-0.004	0.004	0.333	0.013	49.458	TRUE	5.55E-12
FVC	BRSK2	cg12186219	rs5743915	A	G	0.202	0.024	0.415	1.74E-17	0.001	0.002	0.690	0.019	72.386	TRUE	4.30E-17
FVC	BRSK2	cg12186219	rs66496921	C	G	-0.202	0.024	0.405	4.99E-17	0.004	0.002	0.130	0.019	70.302	TRUE	2.95E-16
FVC	BRSK2	cg12186219	rs7395006	C	T	0.362	0.024	0.387	3.58E-51	0.004	0.002	0.087	0.058	226.307	TRUE	1.16E-48
FVC	BRSK2	cg12186219	rs77338313	A	G	0.997	0.101	0.031	3.96E-23	0.000	0.008	0.974	0.026	98.057	TRUE	1.02E-22
FVC	BRSK2	cg12405684	rs12787736	T	C	-0.182	0.031	0.156	6.99E-09	-0.006	0.003	0.051	0.009	33.519	TRUE	2.62E-08
FVC	BRSK2	cg12405684	rs4255564	C	T	0.287	0.026	0.260	8.63E-28	0.003	0.003	0.295	0.031	119.319	TRUE	8.67E-27
FVC	BRSK2	cg13338306	rs111163743	C	T	0.138	0.024	0.363	1.21E-08	0.004	0.003	0.151	0.009	32.460	TRUE	3.31E-08
FVC	BRSK2	cg13338306	rs117356396	T	C	0.468	0.071	0.027	4.78E-11	-0.015	0.007	0.018	0.012	43.243	TRUE	2.85E-10
FVC	BRSK2	cg13338306	rs7105864	T	C	0.155	0.026	0.293	3.37E-09	-0.001	0.003	0.763	0.009	34.936	TRUE	5.09E-09
FVC	BRSK2	cg13880458	rs11028763	C	T	-0.242	0.024	0.359	3.22E-23	0.005	0.003	0.060	0.026	98.466	TRUE	4.60E-22
FVC	BRSK2	cg13880458	rs117107041	A	G	0.291	0.051	0.053	1.51E-08	0.015	0.005	0.002	0.009	32.025	TRUE	9.75E-08
FVC	BRSK2	cg13880458	rs3793964	T	C	-0.142	0.024	0.368	5.78E-09	0.004	0.002	0.103	0.009	33.889	TRUE	1.81E-08
FVC	BRSK2	cg13880458	rs56079025	A	G	0.329	0.053	0.106	5.04E-10	-0.010	0.004	0.008	0.010	38.641	TRUE	3.15E-09
FVC	BRSK2	cg13880458	rs66658795	T	C	-0.179	0.024	0.445	3.10E-14	0.004	0.002	0.091	0.015	57.639	TRUE	1.62E-13
FVC	BRSK2	cg13880458	rs7395006	C	T	0.153	0.024	0.387	3.66E-10	0.004	0.002	0.087	0.011	39.266	TRUE	1.34E-09
FVC	BRSK2	cg13880458	rs7395567	T	C	0.459	0.026	0.266	2.57E-68	0.004	0.003	0.129	0.076	304.919	TRUE	7.95E-65
FVC	BRSK2	cg13880458	rs79646282	T	C	0.587	0.097	0.038	1.72E-09	0.001	0.006	0.908	0.010	36.247	TRUE	2.35E-09
FVC	BRSK2	cg14021073	rs4255564	C	T	-0.326	0.027	0.260	1.06E-34	0.003	0.003	0.295	0.039	150.896	TRUE	2.06E-33
FVC	BRSK2	cg14021073	rs4881744	G	A	0.158	0.029	0.217	4.38E-08	0.003	0.003	0.336	0.008	29.957	TRUE	8.91E-08
FVC	BRSK2	cg14064268	rs10734285	A	C	-0.227	0.031	0.172	4.22E-13	-0.005	0.003	0.091	0.014	52.509	TRUE	2.00E-12
FVC	BRSK2	cg14064268	rs11039094	C	G	0.204	0.036	0.116	1.53E-08	-0.001	0.004	0.882	0.009	31.998	TRUE	2.04E-08
FVC	BRSK2	cg14064268	rs113773442	G	C	-0.276	0.037	0.113	1.08E-13	-0.002	0.004	0.513	0.015	55.189	TRUE	2.64E-13
FVC	BRSK2	cg14064268	rs11603080	A	C	0.385	0.054	0.048	9.93E-13	0.006	0.005	0.234	0.014	50.831	TRUE	3.25E-12

FVC	BRSK2	cg14064268	rs11604075	T	C	0.458	0.025	0.285	4.22E-73	-0.004	0.003	0.089	0.081	326.875	TRUE	3.68E-69
FVC	BRSK2	cg14064268	rs117107041	A	G	0.569	0.051	0.053	1.04E-28	0.015	0.005	0.002	0.032	123.508	TRUE	9.39E-27
FVC	BRSK2	cg14064268	rs145553613	C	T	0.840	0.106	0.031	2.89E-15	-0.002	0.009	0.849	0.017	62.303	TRUE	5.44E-15
FVC	BRSK2	cg14064268	rs28386994	T	A	-0.274	0.029	0.206	1.44E-21	0.004	0.003	0.219	0.024	90.944	TRUE	9.87E-21
FVC	BRSK2	cg14064268	rs28672782	T	C	-0.305	0.031	0.184	2.31E-23	0.001	0.003	0.713	0.026	99.126	TRUE	8.33E-23
FVC	BRSK2	cg14064268	rs34666042	T	C	0.319	0.031	0.164	3.37E-24	-0.009	0.003	0.007	0.027	102.931	TRUE	1.26E-22
FVC	BRSK2	cg14064268	rs3793964	T	C	-0.367	0.024	0.368	9.79E-53	0.004	0.002	0.103	0.059	233.470	TRUE	3.48E-50
FVC	BRSK2	cg14064268	rs4255564	C	T	1.107	0.019	0.260	<1E-200	0.003	0.003	0.295	0.466	3229.440	TRUE	<1E-200
FVC	BRSK2	cg14064268	rs5743915	A	G	0.199	0.024	0.415	4.84E-17	0.001	0.002	0.690	0.019	70.361	TRUE	1.17E-16
FVC	BRSK2	cg14064268	rs66496921	C	G	-0.157	0.024	0.405	8.01E-11	0.004	0.002	0.130	0.011	42.232	TRUE	2.75E-10
FVC	BRSK2	cg14064268	rs7395006	C	T	0.336	0.024	0.387	6.55E-44	0.004	0.002	0.087	0.050	193.040	TRUE	8.23E-42
FVC	BRSK2	cg14064268	rs77338313	A	G	0.956	0.101	0.031	2.47E-21	0.000	0.008	0.974	0.024	89.878	TRUE	5.70E-21
FVC	BRSK2	cg14064268	rs79646282	T	C	0.609	0.097	0.038	4.09E-10	0.001	0.006	0.908	0.010	39.050	TRUE	5.73E-10
FVC	BRSK2	cg14306344	rs7395567	T	C	0.198	0.026	0.266	4.97E-14	0.004	0.003	0.129	0.015	56.711	TRUE	2.32E-13
FVC	BRSK2	cg14621221	rs10832803	T	C	-0.229	0.033	0.159	3.45E-12	0.004	0.003	0.274	0.013	48.388	TRUE	1.02E-11
FVC	BRSK2	cg14621221	rs11035302	C	A	-0.275	0.025	0.313	3.27E-27	-0.001	0.003	0.725	0.031	116.680	TRUE	1.55E-26
FVC	BRSK2	cg14621221	rs11608241	T	C	0.536	0.092	0.019	4.94E-09	0.008	0.009	0.324	0.009	34.196	TRUE	1.09E-08
FVC	BRSK2	cg14621221	rs143524208	C	T	0.226	0.038	0.103	4.32E-09	0.007	0.004	0.061	0.009	34.455	TRUE	1.57E-08
FVC	BRSK2	cg14621221	rs2735733	T	C	-0.224	0.024	0.446	2.57E-21	0.007	0.002	0.005	0.024	89.803	TRUE	7.06E-20
FVC	BRSK2	cg14621221	rs34664315	A	G	0.192	0.028	0.211	1.09E-11	-0.007	0.003	0.024	0.012	46.127	TRUE	6.67E-11
FVC	BRSK2	cg14621221	rs4312093	A	G	-0.297	0.031	0.176	1.11E-21	-0.005	0.003	0.112	0.024	91.458	TRUE	1.08E-20
FVC	BRSK2	cg14621221	rs61869029	A	G	0.299	0.039	0.221	1.02E-14	-0.007	0.003	0.025	0.016	59.831	TRUE	8.65E-14
FVC	BRSK2	cg14621221	rs7105864	T	C	0.148	0.026	0.293	2.02E-08	-0.001	0.003	0.763	0.008	31.453	TRUE	2.95E-08
FVC	BRSK2	cg14621221	rs7395567	T	C	0.676	0.026	0.266	3.74E-154	0.004	0.003	0.129	0.159	699.176	TRUE	2.27E-142
FVC	BRSK2	cg14621221	rs74046935	G	A	-0.294	0.026	0.297	9.54E-31	-0.001	0.003	0.820	0.035	132.821	TRUE	5.27E-30
FVC	BRSK2	cg14621221	rs7482040	C	T	0.492	0.061	0.045	4.68E-16	-0.002	0.006	0.722	0.018	65.890	TRUE	1.04E-15
FVC	BRSK2	cg14621221	rs77338313	A	G	0.673	0.101	0.031	3.32E-11	0.000	0.008	0.974	0.012	43.957	TRUE	4.60E-11
FVC	BRSK2	cg15411034	rs10832574	T	C	0.231	0.024	0.390	1.96E-21	0.005	0.002	0.052	0.024	90.338	TRUE	2.60E-20
FVC	BRSK2	cg15411034	rs11599943	T	C	0.566	0.066	0.031	1.33E-17	0.014	0.007	0.029	0.019	72.907	TRUE	1.46E-16
FVC	BRSK2	cg15411034	rs11604075	T	C	0.267	0.026	0.285	2.71E-25	-0.004	0.003	0.089	0.028	107.921	TRUE	4.16E-24
FVC	BRSK2	cg15411034	rs117431642	T	C	0.765	0.109	0.026	2.42E-12	0.001	0.008	0.954	0.013	49.087	TRUE	3.61E-12
FVC	BRSK2	cg15411034	rs145553613	C	T	0.713	0.107	0.031	2.36E-11	-0.002	0.009	0.849	0.012	44.622	TRUE	3.66E-11
FVC	BRSK2	cg15411034	rs1574122	T	C	-0.224	0.030	0.187	5.95E-14	0.002	0.003	0.427	0.015	56.357	TRUE	1.63E-13
FVC	BRSK2	cg15411034	rs34666042	T	C	0.252	0.032	0.164	1.41E-15	-0.009	0.003	0.007	0.017	63.719	TRUE	1.86E-14
FVC	BRSK2	cg15411034	rs55813014	C	T	-0.291	0.023	0.473	1.23E-35	0.005	0.002	0.031	0.040	155.172	TRUE	9.40E-34
FVC	BRSK2	cg15411034	rs7395567	T	C	0.829	0.025	0.266	5.39E-243	0.004	0.003	0.129	0.230	1107.624	TRUE	5.74E-218
FVC	BRSK2	cg15465743	rs1021342	C	T	0.294	0.044	0.079	1.53E-11	0.003	0.004	0.529	0.012	45.476	TRUE	3.20E-11
FVC	BRSK2	cg15465743	rs10734285	A	C	0.220	0.031	0.172	1.98E-12	-0.005	0.003	0.091	0.013	49.478	TRUE	8.80E-12
FVC	BRSK2	cg15465743	rs10832574	T	C	-0.363	0.024	0.390	2.73E-51	0.005	0.002	0.052	0.058	226.850	TRUE	1.27E-48
FVC	BRSK2	cg15465743	rs10837856	T	G	-0.397	0.053	0.051	6.07E-14	0.000	0.005	0.945	0.015	56.319	TRUE	9.85E-14
FVC	BRSK2	cg15465743	rs11604075	T	C	-0.374	0.026	0.285	1.93E-48	-0.004	0.003	0.089	0.055	213.787	TRUE	4.25E-46
FVC	BRSK2	cg15465743	rs117107041	A	G	-0.635	0.051	0.053	1.54E-35	0.015	0.005	0.002	0.040	154.724	TRUE	3.45E-33

FVC	BRSK2	cg15465743	rs12575817	T	C	0.328	0.050	0.060	6.14E-11	0.002	0.005	0.723	0.011	42.753	TRUE	1.04E-10
FVC	BRSK2	cg15465743	rs138604115	T	C	0.297	0.053	0.049	2.28E-08	0.001	0.005	0.900	0.008	31.223	TRUE	3.01E-08
FVC	BRSK2	cg15465743	rs145553613	C	T	-0.933	0.106	0.031	1.43E-18	-0.002	0.009	0.849	0.020	77.316	TRUE	3.22E-18
FVC	BRSK2	cg15465743	rs28386994	T	A	0.260	0.029	0.206	1.75E-19	0.004	0.003	0.219	0.022	81.454	TRUE	1.01E-18
FVC	BRSK2	cg15465743	rs28672782	T	C	0.302	0.031	0.184	7.16E-23	0.001	0.003	0.713	0.026	96.884	TRUE	2.50E-22
FVC	BRSK2	cg15465743	rs34666042	T	C	-0.350	0.031	0.164	6.79E-29	-0.009	0.003	0.007	0.033	124.359	TRUE	4.50E-27
FVC	BRSK2	cg15465743	rs3793964	T	C	0.412	0.024	0.368	1.82E-66	0.004	0.002	0.103	0.074	296.429	TRUE	4.84E-63
FVC	BRSK2	cg15465743	rs4255564	C	T	-1.201	0.018	0.260	<1E-200	0.003	0.003	0.295	0.552	4558.800	TRUE	<1E-200
FVC	BRSK2	cg15465743	rs66496921	C	G	0.210	0.024	0.405	3.29E-18	0.004	0.002	0.130	0.020	75.665	TRUE	2.16E-17
FVC	BRSK2	cg15465743	rs77338313	A	G	-0.908	0.101	0.031	2.22E-19	0.000	0.008	0.974	0.021	80.989	TRUE	4.58E-19
FVC	BRSK2	cg15465743	rs868903	T	C	0.206	0.032	0.473	1.24E-10	-0.001	0.003	0.698	0.011	41.371	TRUE	2.13E-10
FVC	BRSK2	cg15803845	rs10832803	T	C	-0.389	0.033	0.159	1.03E-32	0.004	0.003	0.274	0.037	141.815	TRUE	1.74E-31
FVC	BRSK2	cg15803845	rs10837856	T	G	0.306	0.053	0.051	7.61E-09	0.000	0.005	0.945	0.009	33.355	TRUE	9.92E-09
FVC	BRSK2	cg15803845	rs113476683	T	G	-0.466	0.038	0.106	1.83E-34	-0.002	0.004	0.550	0.039	149.814	TRUE	2.08E-33
FVC	BRSK2	cg15803845	rs11599943	T	C	0.706	0.066	0.031	1.29E-26	0.014	0.007	0.029	0.030	113.958	TRUE	3.76E-25
FVC	BRSK2	cg15803845	rs117355168	T	C	-0.528	0.085	0.019	4.63E-10	-0.013	0.007	0.076	0.010	38.805	TRUE	1.75E-09
FVC	BRSK2	cg15803845	rs12277732	G	A	-0.280	0.045	0.079	4.49E-10	0.007	0.004	0.120	0.010	38.868	TRUE	1.50E-09
FVC	BRSK2	cg15803845	rs12792005	A	G	-0.449	0.064	0.038	2.66E-12	-0.002	0.006	0.725	0.013	48.901	TRUE	4.81E-12
FVC	BRSK2	cg15803845	rs181332597	T	C	0.650	0.100	0.036	9.82E-11	-0.005	0.007	0.532	0.011	41.835	TRUE	1.95E-10
FVC	BRSK2	cg15803845	rs2735703	G	A	0.329	0.041	0.092	7.83E-16	0.003	0.004	0.406	0.017	64.877	TRUE	2.49E-15
FVC	BRSK2	cg15803845	rs28534794	C	T	-0.168	0.024	0.480	1.08E-12	-0.004	0.003	0.084	0.014	50.671	TRUE	5.05E-12
FVC	BRSK2	cg15803845	rs28555282	T	C	-0.569	0.023	0.398	7.00E-133	0.004	0.002	0.116	0.140	601.412	TRUE	1.53E-123
FVC	BRSK2	cg15803845	rs3793964	T	C	-0.354	0.024	0.368	4.99E-49	0.004	0.002	0.103	0.055	216.484	TRUE	1.08E-46
FVC	BRSK2	cg15803845	rs4255564	C	T	1.050	0.020	0.260	<1E-200	0.003	0.003	0.295	0.418	2655.638	TRUE	<1E-200
FVC	BRSK2	cg15803845	rs56126327	G	C	0.439	0.047	0.135	8.81E-21	-0.011	0.004	0.002	0.023	87.364	TRUE	2.92E-19
FVC	BRSK2	cg15803845	rs60078451	A	T	0.329	0.050	0.065	3.07E-11	-0.001	0.005	0.900	0.012	44.111	TRUE	4.54E-11
FVC	BRSK2	cg15803845	rs61869676	A	G	0.414	0.046	0.127	4.61E-19	-0.004	0.003	0.295	0.021	79.545	TRUE	2.25E-18
FVC	BRSK2	cg15803845	rs66658795	T	C	-0.345	0.023	0.445	2.56E-49	0.004	0.002	0.091	0.056	217.808	TRUE	6.10E-47
FVC	BRSK2	cg15803845	rs7112918	C	T	0.150	0.024	0.465	3.12E-10	-0.005	0.002	0.058	0.011	39.578	TRUE	1.27E-09
FVC	BRSK2	cg15803845	rs72847985	A	G	0.243	0.033	0.146	1.82E-13	-0.001	0.003	0.845	0.014	54.162	TRUE	3.11E-13
FVC	BRSK2	cg15803845	rs76324386	T	C	-0.324	0.046	0.072	1.38E-12	0.009	0.005	0.049	0.013	50.191	TRUE	7.60E-12
FVC	BRSK2	cg15803845	rs77338313	A	G	0.922	0.101	0.031	6.24E-20	0.000	0.008	0.974	0.022	83.497	TRUE	1.33E-19
FVC	BRSK2	cg15803845	rs79956640	G	A	-0.612	0.082	0.022	1.23E-13	-0.005	0.007	0.488	0.015	54.932	TRUE	3.04E-13
FVC	BRSK2	cg16022876	rs7395835	C	T	0.275	0.025	0.316	1.69E-28	0.003	0.003	0.232	0.032	122.557	TRUE	2.14E-27
FVC	BRSK2	cg16274762	rs11604075	T	C	0.228	0.026	0.285	6.77E-19	-0.004	0.003	0.089	0.021	78.788	TRUE	5.56E-18
FVC	BRSK2	cg16274762	rs7932863	A	G	0.312	0.026	0.270	2.94E-32	0.004	0.003	0.129	0.036	139.727	TRUE	7.85E-31
FVC	BRSK2	cg16414796	rs10832574	T	C	0.251	0.024	0.390	5.03E-25	0.005	0.002	0.052	0.028	106.699	TRUE	9.71E-24
FVC	BRSK2	cg16414796	rs11604075	T	C	0.210	0.026	0.285	3.47E-16	-0.004	0.003	0.089	0.018	66.482	TRUE	2.21E-15
FVC	BRSK2	cg16414796	rs117107041	A	G	0.290	0.051	0.053	1.70E-08	0.015	0.005	0.002	0.009	31.790	TRUE	1.09E-07
FVC	BRSK2	cg16414796	rs3793964	T	C	-0.235	0.024	0.368	2.82E-22	0.004	0.002	0.103	0.025	94.169	TRUE	3.02E-21
FVC	BRSK2	cg16414796	rs7395567	T	C	0.562	0.026	0.266	1.49E-103	0.004	0.003	0.129	0.112	466.683	TRUE	3.15E-97
FVC	BRSK2	cg16793525	rs7395567	T	C	0.273	0.027	0.266	6.94E-25	0.004	0.003	0.129	0.028	106.062	TRUE	8.79E-24

FVC	BRSK2	cg16885982	rs10833257	T	C	-0.193	0.024	0.471	2.26E-16	0.001	0.002	0.653	0.018	67.323	TRUE	5.68E-16
FVC	BRSK2	cg16885982	rs111886352	G	C	-0.237	0.038	0.117	4.30E-10	0.001	0.004	0.811	0.010	38.950	TRUE	6.49E-10
FVC	BRSK2	cg16885982	rs34805614	C	A	-0.160	0.024	0.451	1.98E-11	0.001	0.002	0.552	0.012	44.964	TRUE	4.05E-11
FVC	BRSK2	cg16885982	rs35700114	G	A	0.193	0.028	0.208	1.28E-11	-0.008	0.003	0.011	0.012	45.817	TRUE	9.45E-11
FVC	BRSK2	cg16885982	rs5743931	T	C	0.192	0.031	0.171	8.45E-10	-0.001	0.003	0.790	0.010	37.632	TRUE	1.28E-09
FVC	BRSK2	cg16885982	rs61867471	T	C	-0.173	0.031	0.180	2.69E-08	-0.009	0.003	0.003	0.008	30.903	TRUE	1.57E-07
FVC	BRSK2	cg16885982	rs61869711	T	C	0.136	0.025	0.329	4.99E-08	0.004	0.003	0.078	0.008	29.703	TRUE	1.53E-07
FVC	BRSK2	cg16885982	rs74542903	T	C	0.706	0.035	0.118	1.50E-88	-0.004	0.004	0.330	0.097	397.785	TRUE	5.47E-84
FVC	BRSK2	cg17018661	rs111886352	G	C	-0.270	0.038	0.117	1.07E-12	0.001	0.004	0.811	0.014	50.683	TRUE	1.83E-12
FVC	BRSK2	cg17018661	rs11606628	T	C	-0.270	0.026	0.278	2.83E-25	-0.005	0.003	0.036	0.028	107.837	TRUE	6.30E-24
FVC	BRSK2	cg17018661	rs116865438	T	C	0.746	0.095	0.016	4.24E-15	-0.002	0.009	0.857	0.016	61.552	TRUE	7.84E-15
FVC	BRSK2	cg17018661	rs11822087	C	A	-0.161	0.027	0.262	2.22E-09	0.004	0.003	0.157	0.010	35.751	TRUE	6.37E-09
FVC	BRSK2	cg17018661	rs12786504	A	G	0.208	0.034	0.138	1.25E-09	0.005	0.004	0.214	0.010	36.866	TRUE	3.35E-09
FVC	BRSK2	cg17018661	rs1565368	T	C	0.180	0.028	0.222	1.45E-10	0.004	0.003	0.131	0.011	41.075	TRUE	4.97E-10
FVC	BRSK2	cg17018661	rs2471912	G	A	-0.279	0.023	0.476	7.29E-33	0.004	0.002	0.061	0.037	142.496	TRUE	3.16E-31
FVC	BRSK2	cg17018661	rs7102832	T	C	0.153	0.028	0.238	4.27E-08	-0.002	0.003	0.445	0.008	30.007	TRUE	7.86E-08
FVC	BRSK2	cg17018661	rs7395006	C	T	0.153	0.024	0.387	4.01E-10	0.004	0.002	0.087	0.010	39.085	TRUE	1.47E-09
FVC	BRSK2	cg17018661	rs75723867	A	C	-0.208	0.026	0.283	1.24E-15	-0.004	0.003	0.094	0.017	63.972	TRUE	7.29E-15
FVC	BRSK2	cg17018661	rs7932863	A	G	0.525	0.026	0.270	7.77E-91	0.004	0.003	0.129	0.099	408.282	TRUE	1.26E-85
FVC	BRSK2	cg17018661	rs9651654	C	T	0.233	0.028	0.237	4.69E-17	0.002	0.003	0.579	0.019	70.426	TRUE	1.31E-16
FVC	BRSK2	cg17416644	rs10832803	T	C	-0.440	0.033	0.159	1.39E-41	0.004	0.003	0.274	0.047	182.393	TRUE	5.97E-40
FVC	BRSK2	cg17416644	rs10837856	T	G	0.320	0.053	0.051	1.58E-09	0.000	0.005	0.945	0.010	36.415	TRUE	2.11E-09
FVC	BRSK2	cg17416644	rs113476683	T	G	-0.581	0.038	0.106	3.40E-53	-0.002	0.004	0.550	0.060	235.575	TRUE	2.91E-51
FVC	BRSK2	cg17416644	rs11599943	T	C	0.757	0.066	0.031	2.04E-30	0.014	0.007	0.029	0.034	131.317	TRUE	9.14E-29
FVC	BRSK2	cg17416644	rs116927247	T	C	-0.526	0.072	0.026	4.02E-13	-0.015	0.007	0.018	0.014	52.603	TRUE	3.03E-12
FVC	BRSK2	cg17416644	rs11825487	T	C	0.236	0.030	0.180	7.15E-15	-0.005	0.003	0.085	0.016	60.525	TRUE	4.05E-14
FVC	BRSK2	cg17416644	rs12792005	A	G	-0.592	0.064	0.038	2.38E-20	-0.002	0.006	0.725	0.023	85.398	TRUE	6.92E-20
FVC	BRSK2	cg17416644	rs145553613	C	T	0.882	0.106	0.031	1.01E-16	-0.002	0.009	0.849	0.018	68.919	TRUE	2.05E-16
FVC	BRSK2	cg17416644	rs28533997	C	T	-0.189	0.029	0.235	4.53E-11	-0.005	0.003	0.095	0.012	43.349	TRUE	1.75E-10
FVC	BRSK2	cg17416644	rs28555282	T	C	-0.782	0.022	0.398	1.95E-271	0.004	0.002	0.116	0.251	1238.419	TRUE	3.38E-241
FVC	BRSK2	cg17416644	rs28699476	G	A	0.268	0.028	0.213	1.96E-21	-0.007	0.003	0.017	0.024	90.337	TRUE	3.79E-20
FVC	BRSK2	cg17416644	rs3793964	T	C	-0.331	0.024	0.368	5.70E-43	0.004	0.002	0.103	0.049	188.736	TRUE	5.73E-41
FVC	BRSK2	cg17416644	rs4255564	C	T	1.057	0.020	0.260	<1E-200	0.003	0.003	0.295	0.423	2710.461	TRUE	<1E-200
FVC	BRSK2	cg17416644	rs60078451	A	T	0.313	0.050	0.065	2.57E-10	-0.001	0.005	0.900	0.011	39.954	TRUE	3.66E-10
FVC	BRSK2	cg17416644	rs61869676	A	G	0.462	0.046	0.127	1.79E-23	-0.004	0.003	0.295	0.026	99.628	TRUE	1.26E-22
FVC	BRSK2	cg17416644	rs66658795	T	C	-0.328	0.023	0.445	1.08E-44	0.004	0.002	0.091	0.050	196.622	TRUE	1.42E-42
FVC	BRSK2	cg17416644	rs7103274	A	G	-0.182	0.030	0.197	1.39E-09	-0.001	0.003	0.642	0.010	36.669	TRUE	2.36E-09
FVC	BRSK2	cg17416644	rs7108443	G	T	-0.426	0.042	0.089	7.84E-24	0.006	0.004	0.138	0.027	101.263	TRUE	8.45E-23
FVC	BRSK2	cg17416644	rs72847985	A	G	0.319	0.033	0.146	2.76E-22	-0.001	0.003	0.845	0.025	94.213	TRUE	7.80E-22
FVC	BRSK2	cg17416644	rs76324386	T	C	-0.321	0.046	0.072	2.28E-12	0.009	0.005	0.049	0.013	49.204	TRUE	1.23E-11
FVC	BRSK2	cg17416644	rs77338313	A	G	0.972	0.101	0.031	4.70E-22	0.000	0.008	0.974	0.025	93.160	TRUE	1.13E-21
FVC	BRSK2	cg17416644	rs79956640	G	A	-0.773	0.082	0.022	5.42E-21	-0.005	0.007	0.488	0.023	88.326	TRUE	2.22E-20

FVC	BRSK2	cg17416644	rs868903	T	C	-0.193	0.032	0.473	1.65E-09	-0.001	0.003	0.698	0.010	36.326	TRUE	2.67E-09
FVC	BRSK2	cg17429870	rs10734285	A	C	-0.245	0.031	0.172	4.93E-15	-0.005	0.003	0.091	0.016	61.254	TRUE	2.79E-14
FVC	BRSK2	cg17429870	rs11029917	T	C	-0.283	0.037	0.116	2.29E-14	-0.003	0.004	0.484	0.015	58.236	TRUE	5.96E-14
FVC	BRSK2	cg17429870	rs11604075	T	C	0.498	0.025	0.285	1.07E-86	-0.004	0.003	0.089	0.095	389.270	TRUE	1.05E-81
FVC	BRSK2	cg17429870	rs117107041	A	G	0.605	0.051	0.053	2.47E-32	0.015	0.005	0.002	0.036	140.069	TRUE	3.59E-30
FVC	BRSK2	cg17429870	rs145553613	C	T	0.894	0.106	0.031	3.95E-17	-0.002	0.009	0.849	0.019	70.763	TRUE	8.22E-17
FVC	BRSK2	cg17429870	rs1715357	G	A	0.376	0.053	0.052	1.24E-12	-0.001	0.005	0.925	0.013	50.396	TRUE	1.92E-12
FVC	BRSK2	cg17429870	rs28386994	T	A	-0.263	0.029	0.206	6.46E-20	0.004	0.003	0.219	0.022	83.429	TRUE	3.84E-19
FVC	BRSK2	cg17429870	rs28672782	T	C	-0.370	0.031	0.184	8.22E-34	0.001	0.003	0.713	0.038	146.829	TRUE	6.77E-33
FVC	BRSK2	cg17429870	rs28971577	C	T	-0.159	0.029	0.231	2.70E-08	-0.005	0.003	0.078	0.008	30.892	TRUE	8.36E-08
FVC	BRSK2	cg17429870	rs34666042	T	C	0.341	0.031	0.164	2.30E-27	-0.009	0.003	0.007	0.031	117.376	TRUE	1.26E-25
FVC	BRSK2	cg17429870	rs3793964	T	C	-0.374	0.024	0.368	7.41E-55	0.004	0.002	0.103	0.062	243.195	TRUE	3.52E-52
FVC	BRSK2	cg17429870	rs4077759	C	T	-0.148	0.025	0.370	1.64E-09	-0.010	0.002	2.27E-05	0.010	36.339	TRUE	2.42E-08
FVC	BRSK2	cg17429870	rs4255564	C	T	1.165	0.018	0.260	<1E-200	0.003	0.003	0.295	0.518	3971.898	TRUE	<1E-200
FVC	BRSK2	cg17429870	rs5743915	A	G	0.216	0.024	0.415	7.94E-20	0.001	0.002	0.690	0.022	83.020	TRUE	2.28E-19
FVC	BRSK2	cg17429870	rs66496921	C	G	-0.175	0.024	0.405	4.24E-13	0.004	0.002	0.130	0.014	52.501	TRUE	1.78E-12
FVC	BRSK2	cg17429870	rs72847939	T	C	-0.457	0.081	0.017	1.62E-08	0.005	0.009	0.536	0.009	31.892	TRUE	2.80E-08
FVC	BRSK2	cg17429870	rs7395006	C	T	0.367	0.024	0.387	2.18E-52	0.004	0.002	0.087	0.059	231.874	TRUE	8.33E-50
FVC	BRSK2	cg17429870	rs77338313	A	G	0.937	0.101	0.031	1.53E-20	0.000	0.008	0.974	0.023	86.273	TRUE	3.37E-20
FVC	BRSK2	cg17429870	rs79646282	T	C	0.700	0.097	0.038	5.92E-13	0.001	0.006	0.908	0.014	51.845	TRUE	9.41E-13
FVC	BRSK2	cg17429870	rs80138399	A	G	-0.271	0.046	0.076	3.83E-09	0.008	0.005	0.065	0.009	34.690	TRUE	1.38E-08
FVC	BRSK2	cg17658113	rs10734285	A	C	0.234	0.031	0.172	6.57E-14	-0.005	0.003	0.091	0.015	56.163	TRUE	3.35E-13
FVC	BRSK2	cg17658113	rs11039094	C	G	-0.229	0.036	0.116	1.96E-10	-0.001	0.004	0.882	0.011	40.483	TRUE	2.84E-10
FVC	BRSK2	cg17658113	rs111886352	G	C	0.313	0.038	0.117	1.68E-16	0.001	0.004	0.811	0.018	67.913	TRUE	3.51E-16
FVC	BRSK2	cg17658113	rs11603080	A	C	-0.402	0.054	0.048	1.06E-13	0.006	0.005	0.234	0.015	55.227	TRUE	3.74E-13
FVC	BRSK2	cg17658113	rs11604075	T	C	-0.387	0.026	0.285	4.70E-52	-0.004	0.003	0.089	0.059	230.346	TRUE	1.68E-49
FVC	BRSK2	cg17658113	rs11604757	T	C	-0.204	0.036	0.118	1.99E-08	0.002	0.004	0.635	0.008	31.484	TRUE	3.20E-08
FVC	BRSK2	cg17658113	rs117107041	A	G	-0.629	0.051	0.053	7.43E-35	0.015	0.005	0.002	0.039	151.601	TRUE	1.51E-32
FVC	BRSK2	cg17658113	rs12282543	G	A	0.275	0.029	0.221	5.98E-22	-0.002	0.003	0.564	0.024	92.684	TRUE	2.37E-21
FVC	BRSK2	cg17658113	rs145553613	C	T	-0.878	0.106	0.031	1.40E-16	-0.002	0.009	0.849	0.018	68.263	TRUE	2.83E-16
FVC	BRSK2	cg17658113	rs28386994	T	A	0.231	0.029	0.206	9.50E-16	0.004	0.003	0.219	0.017	64.496	TRUE	4.01E-15
FVC	BRSK2	cg17658113	rs34666042	T	C	-0.335	0.031	0.164	1.78E-26	-0.009	0.003	0.007	0.030	113.320	TRUE	8.75E-25
FVC	BRSK2	cg17658113	rs4255564	C	T	-1.203	0.018	0.260	<1E-200	0.003	0.003	0.295	0.554	4592.730	TRUE	<1E-200
FVC	BRSK2	cg17658113	rs4881724	A	G	0.248	0.037	0.116	2.15E-11	-0.004	0.004	0.333	0.012	44.804	TRUE	5.54E-11
FVC	BRSK2	cg17658113	rs55813014	C	T	0.405	0.023	0.473	1.88E-68	0.005	0.002	0.031	0.076	305.549	TRUE	1.54E-64
FVC	BRSK2	cg17658113	rs5743915	A	G	-0.208	0.024	0.415	1.86E-18	0.001	0.002	0.690	0.020	76.787	TRUE	4.90E-18
FVC	BRSK2	cg17658113	rs7395006	C	T	-0.344	0.024	0.387	5.18E-46	0.004	0.002	0.087	0.052	202.666	TRUE	8.49E-44
FVC	BRSK2	cg17658113	rs76324386	T	C	0.292	0.046	0.072	1.73E-10	0.009	0.005	0.049	0.011	40.728	TRUE	7.71E-10
FVC	BRSK2	cg17658113	rs77338313	A	G	-0.950	0.101	0.031	4.12E-21	0.000	0.008	0.974	0.023	88.871	TRUE	9.37E-21
FVC	BRSK2	cg17658113	rs868903	T	C	0.203	0.032	0.473	2.37E-10	-0.001	0.003	0.698	0.011	40.114	TRUE	4.00E-10
FVC	BRSK2	cg18039789	rs10766282	T	A	0.548	0.061	0.046	1.85E-19	-0.002	0.006	0.704	0.022	81.352	TRUE	5.17E-19
FVC	BRSK2	cg18039789	rs10832955	T	C	-0.273	0.024	0.368	1.45E-29	0.005	0.002	0.037	0.033	127.429	TRUE	5.43E-28

FVC	BRSK2	cg18039789	rs10835060	T	G	-0.198	0.029	0.193	2.06E-11	0.001	0.003	0.681	0.012	44.891	TRUE	3.67E-11
FVC	BRSK2	cg18039789	rs117654829	T	A	0.581	0.098	0.038	3.44E-09	-0.005	0.007	0.532	0.009	34.898	TRUE	6.25E-09
FVC	BRSK2	cg18039789	rs34666042	T	C	0.265	0.032	0.164	4.59E-17	-0.009	0.003	0.007	0.019	70.465	TRUE	7.26E-16
FVC	BRSK2	cg18039789	rs4255564	C	T	0.866	0.024	0.260	6.75E-296	0.003	0.003	0.295	0.268	1350.919	TRUE	1.11E-261
FVC	BRSK2	cg18039789	rs4963076	T	C	0.331	0.023	0.498	1.32E-45	-0.001	0.002	0.653	0.051	200.810	TRUE	3.97E-44
FVC	BRSK2	cg18039789	rs5743915	A	G	0.142	0.024	0.415	2.33E-09	0.001	0.002	0.690	0.010	35.655	TRUE	3.69E-09
FVC	BRSK2	cg18039789	rs61867539	T	C	0.242	0.027	0.245	4.77E-19	-0.006	0.003	0.022	0.021	79.480	TRUE	6.39E-18
FVC	BRSK2	cg18039789	rs66658795	T	C	-0.219	0.024	0.445	1.27E-20	0.004	0.002	0.091	0.023	86.637	TRUE	1.21E-19
FVC	BRSK2	cg18039789	rs7395006	C	T	0.224	0.024	0.387	3.67E-20	0.004	0.002	0.087	0.022	84.546	TRUE	3.44E-19
FVC	BRSK2	cg18039789	rs77338313	A	G	0.829	0.101	0.031	2.52E-16	0.000	0.008	0.974	0.018	67.107	TRUE	4.43E-16
FVC	BRSK2	cg18049328	rs10766282	T	A	0.414	0.061	0.046	1.03E-11	-0.002	0.006	0.704	0.012	46.244	TRUE	1.84E-11
FVC	BRSK2	cg18049328	rs10832574	T	C	0.180	0.024	0.390	1.53E-13	0.005	0.002	0.052	0.015	54.506	TRUE	9.16E-13
FVC	BRSK2	cg18049328	rs11604075	T	C	0.251	0.026	0.285	1.85E-22	-0.004	0.003	0.089	0.025	95.004	TRUE	2.14E-21
FVC	BRSK2	cg18049328	rs34666042	T	C	0.180	0.032	0.164	1.20E-08	-0.009	0.003	0.007	0.009	32.462	TRUE	6.67E-08
FVC	BRSK2	cg18049328	rs3793964	T	C	-0.214	0.024	0.368	1.23E-18	0.004	0.002	0.103	0.021	77.605	TRUE	9.33E-18
FVC	BRSK2	cg18049328	rs4312093	A	G	-0.205	0.031	0.176	4.69E-11	-0.005	0.003	0.112	0.012	43.279	TRUE	1.73E-10
FVC	BRSK2	cg18049328	rs7395567	T	C	0.633	0.026	0.266	8.32E-133	0.004	0.003	0.129	0.140	601.073	TRUE	1.61E-123
FVC	BRSK2	cg18049328	rs77338313	A	G	0.597	0.102	0.031	4.23E-09	0.000	0.008	0.974	0.009	34.496	TRUE	5.41E-09
FVC	BRSK2	cg18049328	rs7951820	T	C	-0.163	0.029	0.213	1.08E-08	0.003	0.003	0.353	0.009	32.669	TRUE	2.25E-08
FVC	BRSK2	cg18133074	rs60707923	A	G	-0.223	0.026	0.260	2.37E-17	0.003	0.003	0.348	0.019	71.773	TRUE	9.08E-17
FVC	BRSK2	cg18509719	rs10832574	T	C	-0.172	0.024	0.390	1.67E-12	0.005	0.002	0.052	0.013	49.814	TRUE	9.01E-12
FVC	BRSK2	cg18509719	rs11029917	T	C	0.294	0.037	0.116	1.98E-15	-0.003	0.004	0.484	0.017	63.051	TRUE	5.53E-15
FVC	BRSK2	cg18509719	rs115584864	C	G	0.165	0.026	0.273	3.44E-10	0.004	0.003	0.161	0.011	39.389	TRUE	1.06E-09
FVC	BRSK2	cg18509719	rs11604075	T	C	-0.223	0.026	0.285	4.23E-18	-0.004	0.003	0.089	0.020	75.171	TRUE	3.22E-17
FVC	BRSK2	cg18509719	rs117107041	A	G	-0.346	0.051	0.053	1.67E-11	0.015	0.005	0.002	0.012	45.301	TRUE	1.63E-10
FVC	BRSK2	cg18509719	rs117479064	C	T	0.384	0.068	0.034	1.98E-08	-0.016	0.006	0.014	0.008	31.499	TRUE	9.21E-08
FVC	BRSK2	cg18509719	rs1881509	A	G	0.242	0.031	0.177	6.24E-15	-0.005	0.003	0.130	0.016	60.792	TRUE	3.14E-14
FVC	BRSK2	cg18509719	rs28454072	T	G	-0.294	0.053	0.051	3.42E-08	-0.001	0.005	0.781	0.008	30.439	TRUE	4.82E-08
FVC	BRSK2	cg18509719	rs34666042	T	C	-0.215	0.032	0.164	9.74E-12	-0.009	0.003	0.007	0.012	46.354	TRUE	8.05E-11
FVC	BRSK2	cg18509719	rs5743915	A	G	-0.130	0.024	0.415	4.18E-08	0.001	0.002	0.690	0.008	30.048	TRUE	6.22E-08
FVC	BRSK2	cg18509719	rs7395567	T	C	-0.702	0.025	0.266	3.93E-168	0.004	0.003	0.129	0.171	763.426	TRUE	1.45E-154
FVC	BRSK2	cg18509719	rs868903	T	C	0.179	0.032	0.473	2.24E-08	-0.001	0.003	0.698	0.008	31.261	TRUE	3.42E-08
FVC	BRSK2	cg18539086	rs11607958	C	T	0.135	0.025	0.348	4.32E-08	-0.005	0.003	0.060	0.008	29.982	TRUE	1.39E-07
FVC	BRSK2	cg18539086	rs117107041	A	G	0.295	0.051	0.053	8.65E-09	0.015	0.005	0.002	0.009	33.106	TRUE	5.79E-08
FVC	BRSK2	cg18539086	rs3793964	T	C	-0.136	0.024	0.368	1.95E-08	0.004	0.002	0.103	0.008	31.523	TRUE	5.81E-08
FVC	BRSK2	cg18539086	rs4255564	C	T	0.364	0.027	0.260	9.07E-43	0.003	0.003	0.295	0.048	187.814	TRUE	4.16E-41
FVC	BRSK2	cg19494188	rs7395567	T	C	0.294	0.027	0.266	1.24E-28	0.004	0.003	0.129	0.032	123.169	TRUE	2.27E-27
FVC	BRSK2	cg19613205	rs10766282	T	A	0.504	0.061	0.046	1.08E-16	-0.002	0.006	0.704	0.018	68.789	TRUE	2.53E-16
FVC	BRSK2	cg19613205	rs10835060	T	G	-0.213	0.029	0.193	4.87E-13	0.001	0.003	0.681	0.014	52.227	TRUE	9.50E-13
FVC	BRSK2	cg19613205	rs10902093	G	A	0.142	0.025	0.325	2.09E-08	-0.009	0.003	5.03E-04	0.008	31.390	TRUE	1.68E-07
FVC	BRSK2	cg19613205	rs11029917	T	C	-0.216	0.037	0.116	5.45E-09	-0.003	0.004	0.484	0.009	34.002	TRUE	1.01E-08
FVC	BRSK2	cg19613205	rs11606628	T	C	0.277	0.026	0.278	2.32E-26	-0.005	0.003	0.036	0.030	112.797	TRUE	5.80E-25

FVC	BRSK2	cg19613205	rs117107041	A	G	0.529	0.051	0.053	5.78E-25	0.015	0.005	0.002	0.028	106.426	TRUE	3.20E-23
FVC	BRSK2	cg19613205	rs12808343	G	A	-0.229	0.028	0.235	4.34E-16	-0.002	0.003	0.516	0.018	66.042	TRUE	1.22E-15
FVC	BRSK2	cg19613205	rs145553613	C	T	0.863	0.106	0.031	4.91E-16	-0.002	0.009	0.849	0.017	65.795	TRUE	9.63E-16
FVC	BRSK2	cg19613205	rs34666042	T	C	0.300	0.032	0.164	1.82E-21	-0.009	0.003	0.007	0.024	90.481	TRUE	4.88E-20
FVC	BRSK2	cg19613205	rs3793964	T	C	-0.345	0.024	0.368	1.64E-46	0.004	0.002	0.103	0.052	204.950	TRUE	2.57E-44
FVC	BRSK2	cg19613205	rs66496921	C	G	-0.145	0.024	0.405	1.86E-09	0.004	0.002	0.130	0.010	36.093	TRUE	5.67E-09
FVC	BRSK2	cg19613205	rs66658795	T	C	-0.307	0.023	0.445	3.10E-39	0.004	0.002	0.091	0.044	171.635	TRUE	2.10E-37
FVC	BRSK2	cg19613205	rs7395006	C	T	0.305	0.024	0.387	1.87E-36	0.004	0.002	0.087	0.041	158.916	TRUE	9.64E-35
FVC	BRSK2	cg19613205	rs7395567	T	C	0.870	0.025	0.266	3.24E-272	0.004	0.003	0.129	0.251	1242.003	TRUE	6.84E-242
FVC	BRSK2	cg19613205	rs77338313	A	G	0.684	0.101	0.031	1.51E-11	0.000	0.008	0.974	0.012	45.497	TRUE	2.13E-11
FVC	BRSK2	cg19613205	rs78928236	T	C	0.293	0.053	0.049	4.27E-08	0.007	0.005	0.203	0.008	30.006	TRUE	1.03E-07
FVC	BRSK2	cg19713911	rs11035302	C	A	0.147	0.026	0.313	9.26E-09	-0.001	0.003	0.725	0.009	32.974	TRUE	1.41E-08
FVC	BRSK2	cg19713911	rs112781328	T	A	0.315	0.041	0.088	1.17E-14	-0.004	0.004	0.348	0.016	59.551	TRUE	3.70E-14
FVC	BRSK2	cg19713911	rs117107041	A	G	-0.338	0.051	0.053	4.21E-11	0.015	0.005	0.002	0.012	43.491	TRUE	3.90E-10
FVC	BRSK2	cg19713911	rs3168046	A	G	-0.202	0.024	0.447	2.32E-17	-0.004	0.002	0.115	0.019	71.814	TRUE	1.54E-16
FVC	BRSK2	cg19713911	rs77338313	A	G	-0.609	0.102	0.031	2.10E-09	0.000	0.008	0.974	0.010	35.856	TRUE	2.72E-09
FVC	BRSK2	cg19713911	rs7932863	A	G	-0.441	0.026	0.270	4.39E-64	0.004	0.003	0.129	0.072	285.502	TRUE	7.04E-61
FVC	BRSK2	cg20129113	rs10766750	T	C	0.643	0.030	0.178	3.46E-104	-0.005	0.003	0.113	0.113	469.592	TRUE	9.48E-98
FVC	BRSK2	cg20129113	rs11029977	T	C	0.151	0.024	0.389	2.43E-10	0.004	0.002	0.128	0.011	40.063	TRUE	8.21E-10
FVC	BRSK2	cg20129113	rs113969661	T	C	0.525	0.084	0.018	3.83E-10	-0.016	0.010	0.102	0.010	39.179	TRUE	1.33E-09
FVC	BRSK2	cg20129113	rs114715203	C	T	-0.472	0.069	0.035	6.37E-12	0.000	0.007	0.980	0.013	47.186	TRUE	9.13E-12
FVC	BRSK2	cg20129113	rs115584864	C	G	-0.199	0.026	0.273	1.12E-14	0.004	0.003	0.161	0.016	59.633	TRUE	5.05E-14
FVC	BRSK2	cg20129113	rs116813619	A	G	-0.740	0.126	0.010	4.18E-09	-0.008	0.012	0.487	0.009	34.520	TRUE	7.85E-09
FVC	BRSK2	cg20129113	rs1317780	G	C	-0.190	0.028	0.225	1.33E-11	0.003	0.003	0.357	0.012	45.752	TRUE	3.37E-11
FVC	BRSK2	cg20129113	rs2029463	T	C	0.238	0.034	0.132	2.05E-12	0.000	0.004	0.937	0.013	49.413	TRUE	3.11E-12
FVC	BRSK2	cg20129113	rs2943527	A	G	0.146	0.025	0.319	2.77E-09	-0.006	0.003	0.029	0.009	35.323	TRUE	1.20E-08
FVC	BRSK2	cg20129113	rs7124503	T	G	-0.998	0.053	0.050	9.43E-80	0.013	0.006	0.020	0.088	357.395	TRUE	7.85E-75
FVC	BRSK2	cg20129113	rs79956640	G	A	0.570	0.081	0.022	1.80E-12	-0.005	0.007	0.488	0.013	49.665	TRUE	4.13E-12
FVC	BRSK2	cg20415517	rs28587036	A	T	-0.245	0.024	0.330	1.35E-23	-0.003	0.003	0.201	0.026	100.193	TRUE	1.18E-22
FVC	BRSK2	cg21782309	rs10831708	A	C	-0.229	0.032	0.165	5.00E-13	0.001	0.003	0.795	0.014	52.176	TRUE	8.77E-13
FVC	BRSK2	cg21782309	rs117148214	G	T	-1.835	0.072	0.027	9.13E-145	-0.014	0.006	0.026	0.151	656.032	TRUE	2.11E-133
FVC	BRSK2	cg21782309	rs12575675	G	T	-0.239	0.029	0.209	2.81E-16	-0.002	0.003	0.420	0.018	66.898	TRUE	8.97E-16
FVC	BRSK2	cg21782309	rs17173843	T	C	-0.223	0.032	0.166	1.69E-12	-0.002	0.003	0.547	0.013	49.791	TRUE	3.69E-12
FVC	BRSK2	cg21782309	rs5743899	C	T	-0.217	0.029	0.209	8.99E-14	0.001	0.003	0.745	0.015	55.546	TRUE	1.75E-13
FVC	BRSK2	cg21782309	rs6421028	G	A	-0.173	0.025	0.337	4.23E-12	0.000	0.003	0.978	0.013	47.990	TRUE	6.15E-12
FVC	BRSK2	cg21782309	rs72850947	A	G	-0.392	0.048	0.073	2.20E-16	0.003	0.004	0.446	0.018	67.382	TRUE	6.80E-16
FVC	BRSK2	cg21782309	rs75723867	A	C	-0.154	0.026	0.283	3.73E-09	-0.004	0.003	0.094	0.009	34.742	TRUE	1.21E-08
FVC	BRSK2	cg21782309	rs7932863	A	G	0.169	0.027	0.270	1.84E-10	0.004	0.003	0.129	0.011	40.606	TRUE	6.27E-10
FVC	BRSK2	cg21782309	rs7935124	A	G	-0.298	0.033	0.152	2.92E-19	-0.001	0.003	0.685	0.021	80.447	TRUE	8.21E-19
FVC	BRSK2	cg21782309	rs80228114	T	G	-0.239	0.029	0.201	5.24E-16	-0.001	0.003	0.692	0.017	65.670	TRUE	1.19E-15
FVC	BRSK2	cg21919719	rs10832574	T	C	0.263	0.024	0.390	2.48E-27	0.005	0.002	0.052	0.031	117.222	TRUE	6.13E-26
FVC	BRSK2	cg21919719	rs10837858	A	G	0.354	0.053	0.051	2.33E-11	-0.001	0.005	0.899	0.012	44.647	TRUE	3.49E-11

FVC	BRSK2	cg21919719	rs111886352	G	C	-0.242	0.038	0.117	1.72E-10	0.001	0.004	0.811	0.011	40.745	TRUE	2.64E-10
FVC	BRSK2	cg21919719	rs113773442	G	C	-0.216	0.037	0.113	6.90E-09	-0.002	0.004	0.513	0.009	33.544	TRUE	1.26E-08
FVC	BRSK2	cg21919719	rs115584864	C	G	-0.228	0.026	0.273	2.79E-18	0.004	0.003	0.161	0.020	75.990	TRUE	1.71E-17
FVC	BRSK2	cg21919719	rs11604075	T	C	0.296	0.026	0.285	1.37E-30	-0.004	0.003	0.089	0.034	132.101	TRUE	3.63E-29
FVC	BRSK2	cg21919719	rs117107041	A	G	0.488	0.051	0.053	1.93E-21	0.015	0.005	0.002	0.024	90.368	TRUE	6.83E-20
FVC	BRSK2	cg21919719	rs145553613	C	T	0.829	0.106	0.031	6.49E-15	-0.002	0.009	0.849	0.016	60.714	TRUE	1.20E-14
FVC	BRSK2	cg21919719	rs151218125	T	C	-0.373	0.055	0.049	1.02E-11	-0.001	0.006	0.909	0.012	46.260	TRUE	1.55E-11
FVC	BRSK2	cg21919719	rs28386994	T	A	-0.158	0.029	0.206	4.13E-08	0.004	0.003	0.219	0.008	30.072	TRUE	9.55E-08
FVC	BRSK2	cg21919719	rs34666042	T	C	0.311	0.031	0.164	5.72E-23	-0.009	0.003	0.007	0.026	97.330	TRUE	1.83E-21
FVC	BRSK2	cg21919719	rs4255564	C	T	0.930	0.023	0.260	<1E-200	0.003	0.003	0.295	0.307	1635.352	TRUE	<1E-200
FVC	BRSK2	cg21919719	rs55813014	C	T	-0.372	0.023	0.473	1.36E-57	0.005	0.002	0.031	0.065	255.742	TRUE	2.01E-54
FVC	BRSK2	cg21919719	rs77338313	A	G	0.736	0.101	0.031	3.81E-13	0.000	0.008	0.974	0.014	52.708	TRUE	5.75E-13
FVC	BRSK2	cg23163513	rs12221827	C	T	0.155	0.025	0.322	5.91E-10	-0.001	0.003	0.685	0.010	38.331	TRUE	9.68E-10
FVC	BRSK2	cg23163513	rs2334501	T	C	-0.199	0.027	0.256	1.46E-13	0.005	0.003	0.073	0.015	54.592	TRUE	7.74E-13
FVC	BRSK2	cg23163513	rs28583004	G	A	-0.223	0.036	0.325	6.24E-10	0.003	0.003	0.242	0.010	38.226	TRUE	1.61E-09
FVC	BRSK2	cg23163513	rs3829225	T	C	-0.324	0.025	0.306	5.85E-40	0.005	0.003	0.060	0.045	174.954	TRUE	5.38E-38
FVC	BRSK2	cg23163513	rs555319376	T	G	-1.425	0.171	0.012	9.35E-17	-0.001	0.013	0.921	0.018	69.064	TRUE	1.77E-16
FVC	BRSK2	cg23372535	rs12788273	A	G	0.192	0.026	0.277	1.51E-13	-0.002	0.003	0.487	0.015	54.522	TRUE	3.77E-13
FVC	BRSK2	cg23571839	rs10832442	C	T	-0.225	0.024	0.412	2.36E-21	0.003	0.002	0.203	0.024	89.972	TRUE	1.65E-20
FVC	BRSK2	cg23571839	rs11025835	G	A	0.345	0.054	0.058	1.83E-10	0.006	0.005	0.215	0.011	40.617	TRUE	5.19E-10
FVC	BRSK2	cg23571839	rs118072498	A	G	-0.345	0.054	0.094	1.72E-10	-0.003	0.004	0.407	0.011	40.745	TRUE	3.78E-10
FVC	BRSK2	cg23571839	rs141653894	T	C	-0.334	0.051	0.061	5.75E-11	0.011	0.005	0.028	0.011	42.880	TRUE	3.08E-10
FVC	BRSK2	cg23571839	rs145490652	G	A	0.235	0.042	0.090	2.92E-08	-0.001	0.004	0.832	0.008	30.741	TRUE	4.02E-08
FVC	BRSK2	cg23571839	rs34397346	A	G	0.175	0.027	0.252	1.51E-10	0.007	0.003	0.011	0.011	40.988	TRUE	9.50E-10
FVC	BRSK2	cg23571839	rs61867657	T	C	-0.515	0.023	0.473	4.20E-110	0.002	0.002	0.435	0.118	496.766	TRUE	7.66E-104
FVC	BRSK2	cg23571839	rs7947308	T	C	0.226	0.030	0.185	3.63E-14	0.002	0.003	0.618	0.015	57.326	TRUE	8.11E-14
FVC	BRSK2	cg23571839	rs908224	G	T	0.189	0.024	0.350	6.89E-15	-0.005	0.003	0.044	0.016	60.597	TRUE	4.87E-14
FVC	BRSK2	cg24206507	rs9795439	A	G	-0.289	0.030	0.190	1.25E-22	0.002	0.003	0.598	0.025	95.789	TRUE	5.00E-22
FVC	BRSK2	cg25271479	rs10837407	T	C	-0.195	0.026	0.313	3.18E-14	0.001	0.003	0.804	0.015	57.590	TRUE	5.89E-14
FVC	BRSK2	cg25271479	rs11603080	A	C	0.363	0.054	0.048	1.89E-11	0.006	0.005	0.234	0.012	45.055	TRUE	5.61E-11
FVC	BRSK2	cg25271479	rs11606628	T	C	0.289	0.026	0.278	8.75E-29	-0.005	0.003	0.036	0.032	123.857	TRUE	2.86E-27
FVC	BRSK2	cg25271479	rs117107041	A	G	0.628	0.051	0.053	9.78E-35	0.015	0.005	0.002	0.039	151.056	TRUE	1.96E-32
FVC	BRSK2	cg25271479	rs117654829	T	A	0.703	0.098	0.038	8.03E-13	-0.005	0.007	0.532	0.014	51.247	TRUE	1.81E-12
FVC	BRSK2	cg25271479	rs12575817	T	C	-0.276	0.050	0.060	3.88E-08	0.002	0.005	0.723	0.008	30.192	TRUE	5.73E-08
FVC	BRSK2	cg25271479	rs12808343	G	A	-0.157	0.028	0.235	2.58E-08	-0.002	0.003	0.516	0.008	30.986	TRUE	4.47E-08
FVC	BRSK2	cg25271479	rs34666042	T	C	0.365	0.031	0.164	2.84E-31	-0.009	0.003	0.007	0.035	135.228	TRUE	2.53E-29
FVC	BRSK2	cg25271479	rs3793964	T	C	-0.421	0.024	0.368	1.72E-69	0.004	0.002	0.103	0.077	310.307	TRUE	7.40E-66
FVC	BRSK2	cg25271479	rs4255564	C	T	1.146	0.019	0.260	<1E-200	0.003	0.003	0.295	0.501	3716.057	TRUE	<1E-200
FVC	BRSK2	cg25271479	rs60707923	A	G	-0.159	0.027	0.260	2.69E-09	0.003	0.003	0.348	0.009	35.380	TRUE	5.82E-09
FVC	BRSK2	cg25271479	rs66496921	C	G	-0.207	0.024	0.405	9.78E-18	0.004	0.002	0.130	0.019	73.517	TRUE	6.16E-17
FVC	BRSK2	cg25271479	rs66658795	T	C	-0.338	0.023	0.445	1.75E-47	0.004	0.002	0.091	0.054	209.410	TRUE	3.27E-45
FVC	BRSK2	cg25271479	rs7395006	C	T	0.332	0.024	0.387	5.22E-43	0.004	0.002	0.087	0.049	188.912	TRUE	5.86E-41

FVC	BRSK2	cg25271479	rs7479551	T	A	0.139	0.025	0.342	3.15E-08	-0.009	0.003	6.11E-04	0.008	30.596	TRUE	2.31E-07
FVC	BRSK2	cg25271479	rs76324386	T	C	-0.269	0.046	0.072	4.31E-09	0.009	0.005	0.049	0.009	34.461	TRUE	1.66E-08
FVC	BRSK2	cg25271479	rs77338313	A	G	0.884	0.101	0.031	2.09E-18	0.000	0.008	0.974	0.020	76.558	TRUE	4.09E-18
FVC	BRSK2	cg25271479	rs868903	T	C	-0.177	0.032	0.473	3.11E-08	-0.001	0.003	0.698	0.008	30.621	TRUE	4.72E-08
FVC	BRSK2	cg25630794	rs11604075	T	C	0.147	0.025	0.285	8.22E-09	-0.004	0.003	0.089	0.009	33.204	TRUE	2.63E-08
FVC	BRSK2	cg25630794	rs28766032	G	A	-0.163	0.028	0.222	4.71E-09	0.003	0.003	0.381	0.009	34.285	TRUE	9.85E-09
FVC	BRSK2	cg25630794	rs7395567	T	C	0.326	0.026	0.266	8.56E-36	0.004	0.003	0.129	0.040	155.894	TRUE	3.35E-34
FVC	BRSK2	cg25836589	rs10766599	G	A	0.308	0.027	0.270	3.17E-30	0.003	0.003	0.331	0.034	130.439	TRUE	3.68E-29
FVC	BRSK2	cg25836589	rs115584864	C	G	-0.149	0.026	0.273	1.30E-08	0.004	0.003	0.161	0.009	32.311	TRUE	3.50E-08
FVC	BRSK2	cg26367591	rs7395567	T	C	-0.252	0.026	0.266	1.86E-21	0.004	0.003	0.129	0.024	90.443	TRUE	1.70E-20
FVC	BRSK2	cg26677995	rs10832805	C	G	-0.207	0.029	0.217	8.20E-13	0.003	0.003	0.347	0.014	51.207	TRUE	2.27E-12
FVC	BRSK2	cg26677995	rs11028763	C	T	-0.182	0.024	0.359	1.13E-13	0.005	0.003	0.060	0.015	55.094	TRUE	6.33E-13
FVC	BRSK2	cg26677995	rs117107041	A	G	0.292	0.051	0.053	1.39E-08	0.015	0.005	0.002	0.009	32.188	TRUE	9.01E-08
FVC	BRSK2	cg26677995	rs12787736	T	C	-0.342	0.032	0.156	8.77E-27	-0.006	0.003	0.051	0.030	114.724	TRUE	2.06E-25
FVC	BRSK2	cg26677995	rs34666042	T	C	0.276	0.032	0.164	1.99E-18	-0.009	0.003	0.007	0.020	76.657	TRUE	3.71E-17
FVC	BRSK2	cg26677995	rs3793964	T	C	-0.268	0.024	0.368	1.46E-28	0.004	0.002	0.103	0.032	122.838	TRUE	2.92E-27
FVC	BRSK2	cg26677995	rs66658795	T	C	-0.246	0.024	0.445	1.31E-25	0.004	0.002	0.091	0.029	109.369	TRUE	2.01E-24
FVC	BRSK2	cg26677995	rs7395567	T	C	0.826	0.025	0.266	1.48E-241	0.004	0.003	0.129	0.229	1101.004	TRUE	8.90E-217
FVC	BRSK2	cg26677995	rs77338313	A	G	0.769	0.101	0.031	3.09E-14	0.000	0.008	0.974	0.015	57.643	TRUE	4.90E-14
FVC	C1orf200	cg07793148	rs4477280	A	G	-0.308	0.024	0.388	3.15E-38	-0.002	0.002	0.423	0.043	167.029	TRUE	6.53E-37
FVC	C1orf200	cg14989202	rs7518793	C	T	-0.172	0.029	0.215	1.70E-09	-0.005	0.003	0.096	0.010	36.269	TRUE	5.76E-09
FVC	C1orf200	cg16597045	rs7518602	C	T	-0.163	0.024	0.392	7.66E-12	-0.002	0.002	0.410	0.013	46.826	TRUE	1.86E-11
FVC	CAPN1	cg04962005	rs10895993	T	C	-0.465	0.043	0.074	8.14E-27	-0.004	0.004	0.337	0.030	114.872	TRUE	6.88E-26
FVC	CAPN1	cg05033401	rs11605576	A	C	0.163	0.025	0.360	3.65E-11	-0.007	0.003	0.007	0.012	43.769	TRUE	2.70E-10
FVC	CAPN1	cg07710883	rs11227132	G	A	0.468	0.084	0.017	2.18E-08	-0.007	0.008	0.436	0.008	31.310	TRUE	4.10E-08
FVC	CAPN1	cg07710883	rs1195963	T	C	0.265	0.031	0.172	6.68E-18	-0.004	0.003	0.220	0.020	74.269	TRUE	3.41E-17
FVC	CAPN1	cg07710883	rs1196617	C	T	0.181	0.023	0.467	1.27E-14	-0.002	0.002	0.478	0.016	59.393	TRUE	3.40E-14
FVC	CAPN1	cg07710883	rs148097428	A	G	0.352	0.055	0.047	2.11E-10	-0.007	0.006	0.211	0.011	40.336	TRUE	6.02E-10
FVC	CAPN1	cg07710883	rs564476	T	C	-0.525	0.044	0.077	2.09E-32	0.005	0.005	0.250	0.037	140.405	TRUE	3.69E-31
FVC	CAPN1	cg09620688	rs11605576	A	C	0.273	0.024	0.360	1.30E-29	-0.007	0.003	0.007	0.033	127.645	TRUE	8.80E-28
FVC	CAPN1	cg09620688	rs599670	T	G	-0.248	0.036	0.105	4.39E-12	0.007	0.004	0.060	0.013	47.918	TRUE	2.17E-11
FVC	CAPN1	cg13762244	rs608404	A	G	0.489	0.081	0.018	1.33E-09	-0.012	0.008	0.156	0.010	36.743	TRUE	3.91E-09
FVC	CAPN1	cg13762244	rs6591179	G	T	0.394	0.034	0.128	2.58E-30	0.003	0.004	0.417	0.034	130.851	TRUE	2.61E-29
FVC	CAPN1	cg16697977	rs17881454	G	C	-0.404	0.066	0.057	7.83E-10	0.012	0.005	0.018	0.010	37.781	TRUE	4.10E-09
FVC	CAPN1	cg16697977	rs2271448	T	C	0.238	0.025	0.319	3.28E-21	-0.006	0.003	0.018	0.024	89.317	TRUE	6.22E-20
FVC	CAPN1	cg25363789	rs111513404	G	A	0.611	0.064	0.037	2.21E-21	0.005	0.006	0.442	0.024	90.100	TRUE	1.01E-20
FVC	CAPN1	cg25363789	rs11227132	G	A	-0.651	0.083	0.017	6.33E-15	-0.007	0.008	0.436	0.016	60.764	TRUE	1.83E-14
FVC	CAPN1	cg25363789	rs11551353	A	T	0.470	0.048	0.061	1.49E-22	-0.001	0.005	0.927	0.025	95.432	TRUE	3.97E-22
FVC	CAPN1	cg25363789	rs11601539	C	A	0.521	0.050	0.055	7.21E-26	-0.005	0.005	0.343	0.029	110.548	TRUE	5.53E-25
FVC	CAPN1	cg25363789	rs11605377	T	C	0.466	0.085	0.038	4.05E-08	-0.011	0.006	0.051	0.008	30.111	TRUE	1.38E-07
FVC	CAPN1	cg25363789	rs117446487	T	C	0.745	0.085	0.020	1.85E-18	-0.018	0.008	0.037	0.020	76.797	TRUE	2.02E-17
FVC	CAPN1	cg25363789	rs1195964	A	G	-0.353	0.030	0.172	4.78E-31	-0.004	0.003	0.220	0.035	134.191	TRUE	7.99E-30

FVC	CAPN1	cg25363789	rs12573	G	A	0.179	0.030	0.178	2.57E-09	-0.010	0.003	0.002	0.009	35.468	TRUE	1.93E-08
FVC	CAPN1	cg25363789	rs17883561	A	G	-0.239	0.037	0.111	1.44E-10	0.006	0.004	0.116	0.011	41.084	TRUE	5.05E-10
FVC	CAPN1	cg25363789	rs487989	A	G	-0.210	0.033	0.153	3.55E-10	-0.007	0.003	0.050	0.011	39.325	TRUE	1.52E-09
FVC	CAPN1	cg25363789	rs566189	C	T	-0.241	0.037	0.102	1.12E-10	0.006	0.004	0.115	0.011	41.572	TRUE	3.94E-10
FVC	CAPN1	cg25363789	rs613316	G	A	-0.269	0.027	0.256	9.01E-24	-0.004	0.003	0.156	0.027	100.987	TRUE	9.05E-23
FVC	CAPN1	cg25363789	rs633727	G	A	-0.143	0.023	0.487	8.05E-10	0.005	0.002	0.049	0.010	37.728	TRUE	3.23E-09
FVC	CAPN1	cg25363789	rs6591179	G	T	-0.356	0.035	0.128	2.52E-24	0.003	0.004	0.417	0.027	103.508	TRUE	1.53E-23
FVC	CAPN1	cg25363789	rs663767	A	C	0.231	0.025	0.319	2.26E-20	-0.007	0.003	0.004	0.023	85.499	TRUE	6.42E-19
FVC	CAPN1	cg25363789	rs739389	T	C	-0.253	0.028	0.222	1.63E-19	0.004	0.003	0.208	0.022	81.595	TRUE	9.75E-19
FVC	CAPN1	cg25363789	rs7933509	G	A	0.889	0.022	0.304	<1E-200	-0.009	0.003	7.27E-04	0.307	1639.161	TRUE	3.52E-307
FVC	CAPNS1	cg18304093	rs16960884	C	A	0.288	0.048	0.061	1.97E-09	0.013	0.005	0.007	0.010	35.980	TRUE	1.16E-08
FVC	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	0.007	0.003	0.004	0.014	51.004	TRUE	9.11E-12
FVC	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	-0.004	0.003	0.174	0.015	57.165	TRUE	1.63E-13
FVC	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	-0.004	0.003	0.126	0.016	58.619	TRUE	9.24E-14
FVC	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	0.004	0.004	0.268	0.021	79.794	TRUE	2.09E-18
FVC	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	0.008	0.002	4.17E-04	0.016	60.177	TRUE	1.72E-13
FVC	CAPZB	cg03542686	rs71645451	C	G	0.178	0.033	0.147	4.36E-08	-0.004	0.003	0.174	0.008	29.965	TRUE	1.10E-07
FVC	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	-0.001	0.002	0.598	0.012	44.854	TRUE	4.10E-11
FVC	CAPZB	cg06788764	rs10158117	C	G	0.160	0.026	0.262	5.75E-10	-0.005	0.003	0.081	0.010	38.384	TRUE	2.15E-09
FVC	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	-0.004	0.002	0.069	0.014	51.114	TRUE	4.39E-12
FVC	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	-0.006	0.003	0.019	0.009	34.432	TRUE	2.02E-08
FVC	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	0.001	0.003	0.814	0.053	206.399	TRUE	1.94E-45
FVC	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	0.007	0.002	0.005	0.046	177.180	TRUE	6.65E-38
FVC	CAPZB	cg07573717	rs67705352	T	G	0.138	0.024	0.375	9.39E-09	-0.005	0.002	0.040	0.009	32.945	TRUE	3.69E-08
FVC	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	0.006	0.002	0.008	0.013	48.807	TRUE	2.28E-11
FVC	CAPZB	cg07573717	rs75797435	T	A	-1.535	0.054	0.051	4.48E-178	0.005	0.005	0.307	0.179	809.134	TRUE	9.28E-164
FVC	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	0.003	0.003	0.242	0.024	89.554	TRUE	1.84E-20
FVC	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	-0.003	0.004	0.444	0.016	58.979	TRUE	4.36E-14
FVC	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	0.004	0.002	0.090	0.014	52.185	TRUE	2.39E-12
FVC	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	0.006	0.004	0.182	0.010	38.411	TRUE	1.65E-09
FVC	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	0.001	0.008	0.888	0.017	65.252	TRUE	1.22E-15
FVC	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	-0.004	0.003	0.120	0.012	46.328	TRUE	3.76E-11
FVC	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	0.001	0.004	0.825	0.023	87.676	TRUE	2.02E-20
FVC	CAPZB	cg07905985	rs61759272	G	C	-0.184	0.029	0.196	3.30E-10	-0.001	0.003	0.729	0.011	39.469	TRUE	5.34E-10
FVC	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	-0.004	0.003	0.228	0.011	40.134	TRUE	6.40E-10
FVC	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	-0.001	0.006	0.917	0.157	690.976	TRUE	2.59E-142
FVC	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	0.003	0.003	0.424	0.011	42.113	TRUE	1.88E-10
FVC	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	-0.006	0.003	0.017	0.038	146.098	TRUE	9.77E-32
FVC	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	0.000	0.002	0.964	0.017	65.137	TRUE	1.19E-15
FVC	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	0.003	0.003	0.242	0.029	112.158	TRUE	3.12E-25
FVC	CAPZB	cg09976716	rs11591018	T	A	-0.346	0.051	0.102	7.32E-12	-0.006	0.004	0.158	0.013	46.915	TRUE	2.60E-11
FVC	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	0.000	0.003	0.945	0.017	63.025	TRUE	3.48E-15

FVC	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	0.001	0.008	0.888	0.021	77.636	TRUE	2.65E-18
FVC	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	0.001	0.005	0.910	0.176	788.461	TRUE	6.91E-161
FVC	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	0.001	0.003	0.716	0.025	96.177	TRUE	3.50E-22
FVC	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.004	0.003	0.237	0.023	87.333	TRUE	5.48E-20
FVC	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	0.011	0.003	2.19E-05	0.015	54.760	TRUE	4.10E-12
FVC	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	-0.006	0.003	0.014	0.029	110.736	TRUE	2.20E-24
FVC	CAPZB	cg09976716	rs4076839	C	G	-0.188	0.029	0.214	4.60E-11	-0.009	0.003	0.002	0.012	43.315	TRUE	4.36E-10
FVC	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	-0.004	0.003	0.228	0.015	56.519	TRUE	1.98E-13
FVC	CAPZB	cg09976716	rs709683	G	C	-0.200	0.024	0.402	3.86E-17	0.005	0.002	0.059	0.019	70.807	TRUE	3.11E-16
FVC	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	0.000	0.008	0.965	0.019	72.434	TRUE	3.18E-17
FVC	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	-0.002	0.003	0.503	0.029	109.424	TRUE	7.48E-25
FVC	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	0.000	0.002	0.964	0.016	60.748	TRUE	1.06E-14
FVC	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	-0.003	0.003	0.357	0.036	138.191	TRUE	8.35E-31
FVC	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	0.001	0.003	0.809	0.027	103.494	TRUE	8.57E-24
FVC	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	0.003	0.008	0.744	0.057	225.435	TRUE	2.49E-49
FVC	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	-0.005	0.003	0.066	0.012	45.046	TRUE	8.81E-11
FVC	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	-0.007	0.002	0.003	0.010	39.037	TRUE	3.38E-09
FVC	CAPZB	cg11335264	rs75797435	T	A	-0.951	0.056	0.051	2.93E-64	0.005	0.005	0.307	0.072	286.312	TRUE	2.11E-61
FVC	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	0.009	0.003	4.24E-04	0.024	90.352	TRUE	9.62E-20
FVC	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	-0.005	0.003	0.119	0.010	36.405	TRUE	5.05E-09
FVC	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	-0.004	0.003	0.117	0.008	31.000	TRUE	7.33E-08
FVC	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	0.002	0.003	0.410	0.012	43.676	TRUE	8.73E-11
FVC	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	-0.001	0.002	0.653	0.113	470.631	TRUE	5.89E-99
FVC	CAPZB	cg12763668	rs3762389	T	A	0.204	0.025	0.351	2.15E-16	0.004	0.003	0.142	0.018	67.425	TRUE	1.15E-15
FVC	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	0.002	0.003	0.514	0.015	56.257	TRUE	1.53E-13
FVC	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	0.001	0.004	0.825	0.010	37.399	TRUE	1.41E-09
FVC	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	-0.001	0.006	0.927	0.031	116.757	TRUE	1.14E-26
FVC	CAPZB	cg12763668	rs72653937	T	A	-0.356	0.045	0.080	1.35E-15	-0.008	0.004	0.037	0.017	63.809	TRUE	1.08E-14
FVC	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	0.001	0.003	0.683	0.010	38.063	TRUE	1.13E-09
FVC	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	0.009	0.002	2.33E-04	0.013	48.842	TRUE	4.53E-11
FVC	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	-0.009	0.003	0.002	0.010	39.006	TRUE	3.40E-09
FVC	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	-0.001	0.006	0.916	0.011	39.860	TRUE	3.80E-10
FVC	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	-0.008	0.003	0.003	0.022	82.598	TRUE	2.58E-18
FVC	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	0.001	0.003	0.716	0.011	41.664	TRUE	1.79E-10
FVC	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	-0.004	0.003	0.093	0.069	275.362	TRUE	1.04E-58
FVC	CAPZB	cg15136975	rs61766717	A	T	0.357	0.054	0.047	5.33E-11	0.000	0.006	0.977	0.011	43.029	TRUE	7.39E-11
FVC	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	-0.001	0.009	0.901	0.009	34.016	TRUE	7.31E-09
FVC	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	0.001	0.003	0.683	0.010	35.537	TRUE	4.00E-09
FVC	CAPZB	cg16694480	rs115472911	G	C	0.442	0.055	0.047	5.22E-16	0.000	0.006	0.985	0.017	65.677	TRUE	8.95E-16
FVC	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	0.004	0.003	0.117	0.010	37.070	TRUE	3.62E-09
FVC	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	-0.008	0.003	0.007	0.028	108.057	TRUE	1.02E-23
FVC	CAPZB	cg19713429	rs115472911	G	C	0.404	0.055	0.047	1.36E-13	0.000	0.006	0.985	0.015	54.737	TRUE	2.08E-13

FVC	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	0.009	0.002	2.33E-04	0.016	60.828	TRUE	1.51E-13
FVC	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	0.003	0.007	0.657	0.008	31.371	TRUE	3.31E-08
FVC	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	-0.002	0.002	0.391	0.036	139.868	TRUE	3.50E-31
FVC	CAPZB	cg23111655	rs10799817	C	G	-0.251	0.024	0.380	2.29E-25	0.009	0.002	4.01E-04	0.028	108.259	TRUE	2.31E-23
FVC	CAPZB	cg23111655	rs113042236	A	T	-0.271	0.047	0.063	9.36E-09	0.002	0.005	0.680	0.009	32.952	TRUE	1.46E-08
FVC	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.003	0.007	0.661	0.017	64.571	TRUE	2.16E-15
FVC	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	0.004	0.005	0.455	0.013	48.114	TRUE	9.36E-12
FVC	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	-0.001	0.006	0.869	0.058	228.169	TRUE	5.31E-50
FVC	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	-0.002	0.003	0.443	0.009	33.355	TRUE	1.47E-08
FVC	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	0.001	0.008	0.888	0.014	51.486	TRUE	1.15E-12
FVC	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	0.010	0.003	6.42E-04	0.015	57.323	TRUE	6.35E-13
FVC	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	0.001	0.002	0.852	0.015	56.329	TRUE	1.08E-13
FVC	CAPZB	cg23111655	rs4147449	G	C	-0.446	0.077	0.027	8.72E-09	0.007	0.007	0.368	0.009	33.090	TRUE	1.80E-08
FVC	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	-0.004	0.003	0.167	0.279	1428.478	TRUE	1.34E-274
FVC	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	-0.004	0.003	0.228	0.012	46.466	TRUE	2.80E-11
FVC	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	-0.001	0.002	0.660	0.015	55.710	TRUE	1.70E-13
FVC	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	0.004	0.004	0.272	0.027	103.222	TRUE	2.30E-23
FVC	CAPZB	cg23111655	rs71645448	A	T	0.740	0.085	0.018	4.28E-18	0.003	0.008	0.696	0.020	75.146	TRUE	1.11E-17
FVC	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	-0.006	0.003	0.026	0.028	108.269	TRUE	5.73E-24
FVC	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	-0.021	0.007	0.001	0.016	60.028	TRUE	1.55E-13
FVC	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	-0.010	0.006	0.136	0.011	40.234	TRUE	7.36E-10
FVC	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	-0.012	0.004	0.002	0.008	30.840	TRUE	1.85E-07
FVC	CAPZB	cg23519022	rs41264091	T	A	-0.244	0.028	0.229	8.94E-19	-0.008	0.003	0.007	0.021	78.239	TRUE	1.65E-17
FVC	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	0.002	0.003	0.410	0.009	35.321	TRUE	5.60E-09
FVC	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	0.007	0.002	0.002	0.011	41.717	TRUE	9.28E-10
FVC	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	-0.003	0.003	0.388	0.013	50.196	TRUE	3.60E-12
FVC	CAPZB	cg24593138	rs113042236	A	T	-0.407	0.047	0.063	6.10E-18	0.002	0.005	0.680	0.020	74.447	TRUE	1.59E-17
FVC	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	0.001	0.002	0.551	0.021	80.717	TRUE	8.46E-19
FVC	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	-0.002	0.002	0.522	0.486	3497.727	TRUE	<1E-200
FVC	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	0.004	0.005	0.458	0.065	255.447	TRUE	2.89E-55
FVC	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	0.000	0.008	0.983	0.010	37.290	TRUE	1.32E-09
FVC	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	-0.001	0.009	0.901	0.011	41.110	TRUE	2.05E-10
FVC	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	-0.003	0.003	0.260	0.012	45.732	TRUE	3.91E-11
FVC	CAPZB	cg24593138	rs71645448	A	T	0.607	0.086	0.018	1.22E-12	0.003	0.008	0.696	0.013	50.426	TRUE	2.30E-12
FVC	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	0.000	0.006	0.951	0.031	116.494	TRUE	1.26E-26
FVC	CAPZB	cg24593138	rs72653926	A	G	-0.311	0.024	0.428	9.53E-40	0.006	0.003	0.018	0.045	173.981	TRUE	1.61E-37
FVC	CAPZB	cg24593138	rs72653937	T	A	-0.509	0.044	0.080	1.85E-30	-0.008	0.004	0.037	0.034	131.507	TRUE	7.30E-29
FVC	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	0.001	0.003	0.683	0.047	180.875	TRUE	5.20E-40
FVC	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	0.004	0.006	0.442	0.009	34.569	TRUE	7.97E-09
FVC	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	0.003	0.003	0.220	0.023	85.418	TRUE	1.45E-19
FVC	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	-0.008	0.008	0.320	0.012	44.067	TRUE	8.13E-11
FVC	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	-0.021	0.007	0.001	0.013	47.360	TRUE	6.71E-11

FVC	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	-0.010	0.006	0.136	0.009	33.401	TRUE	2.15E-08
FVC	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	0.002	0.005	0.758	0.049	190.977	TRUE	3.57E-42
FVC	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	-0.005	0.003	0.074	0.018	69.504	TRUE	5.58E-16
FVC	CAPZB	cg24671886	rs76799277	C	G	0.646	0.109	0.020	2.86E-09	-0.003	0.008	0.701	0.009	35.259	TRUE	4.51E-09
FVC	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	0.008	0.002	4.74E-04	0.090	365.961	TRUE	1.05E-75
FVC	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	0.002	0.003	0.410	0.018	69.668	TRUE	2.32E-16
FVC	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	0.002	0.004	0.724	0.012	45.307	TRUE	2.89E-11
FVC	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.003	0.007	0.661	0.030	116.327	TRUE	2.02E-26
FVC	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	0.004	0.005	0.455	0.021	78.333	TRUE	3.17E-18
FVC	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	-0.001	0.006	0.857	0.083	336.849	TRUE	2.65E-72
FVC	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	-0.004	0.004	0.321	0.011	41.990	TRUE	2.24E-10
FVC	CAPZB	cg26824678	rs127037	G	C	0.415	0.027	0.259	2.78E-54	0.009	0.003	0.001	0.061	240.564	TRUE	1.21E-50
FVC	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	-0.002	0.003	0.443	0.016	58.238	TRUE	6.31E-14
FVC	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	0.001	0.008	0.888	0.027	101.634	TRUE	1.97E-23
FVC	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	0.001	0.003	0.716	0.039	151.340	TRUE	7.53E-34
FVC	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	0.010	0.003	6.42E-04	0.030	115.217	TRUE	6.68E-25
FVC	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	-0.007	0.003	0.006	0.028	107.564	TRUE	1.39E-23
FVC	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	0.001	0.002	0.852	0.023	87.968	TRUE	1.72E-20
FVC	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	-0.002	0.003	0.405	0.443	2945.622	TRUE	<1E-200
FVC	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	0.007	0.003	0.044	0.013	47.945	TRUE	2.35E-11
FVC	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	-0.004	0.004	0.281	0.013	48.424	TRUE	9.93E-12
FVC	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	-0.004	0.003	0.228	0.017	65.553	TRUE	2.36E-15
FVC	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	-0.001	0.009	0.901	0.023	85.868	TRUE	4.51E-20
FVC	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	-0.001	0.002	0.678	0.022	83.390	TRUE	1.97E-19
FVC	CAPZB	cg26824678	rs71645448	A	T	-1.011	0.085	0.018	1.32E-32	0.003	0.008	0.696	0.037	141.315	TRUE	1.00E-31
FVC	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	0.000	0.008	0.965	0.009	34.763	TRUE	4.76E-09
FVC	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	0.001	0.003	0.683	0.035	134.702	TRUE	2.55E-30
FVC	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	-0.021	0.007	0.001	0.029	109.754	TRUE	7.63E-24
FVC	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	-0.010	0.006	0.136	0.025	95.335	TRUE	1.53E-21
FVC	CARS	cg01104590	rs118092312	A	G	0.712	0.113	0.020	2.41E-10	0.001	0.009	0.935	0.011	40.082	TRUE	3.35E-10
FVC	CARS	cg01104590	rs2100086	G	A	0.151	0.024	0.386	3.66E-10	0.001	0.003	0.852	0.011	39.266	TRUE	5.42E-10
FVC	CARS	cg01104590	rs2237902	C	G	0.201	0.024	0.382	7.00E-17	0.002	0.002	0.499	0.018	69.636	TRUE	2.11E-16
FVC	CARS	cg01104590	rs395188	A	G	-0.212	0.023	0.493	1.43E-19	0.001	0.002	0.550	0.022	81.853	TRUE	4.95E-19
FVC	CARS	cg01104590	rs4758616	C	T	-0.140	0.024	0.396	6.27E-09	0.000	0.002	0.888	0.009	33.731	TRUE	8.43E-09
FVC	CARS	cg01104590	rs74048783	A	C	0.954	0.039	0.090	1.76E-134	0.012	0.004	0.002	0.141	608.767	TRUE	1.81E-123
FVC	CARS	cg01104590	rs77482583	A	G	0.721	0.074	0.024	3.02E-22	0.008	0.007	0.266	0.025	94.035	TRUE	2.01E-21
FVC	CARS	cg01104590	rs7934793	G	T	0.147	0.024	0.425	1.17E-09	0.001	0.002	0.651	0.010	37.005	TRUE	1.97E-09
FVC	CARS	cg04111109	rs12418199	A	C	-0.142	0.024	0.410	2.74E-09	-0.001	0.002	0.625	0.009	35.342	TRUE	4.64E-09
FVC	CARS	cg04111109	rs418832	T	C	0.329	0.024	0.400	2.26E-44	0.004	0.002	0.072	0.050	195.153	TRUE	3.36E-42
FVC	CARS	cg04111109	rs7124487	T	C	-0.184	0.030	0.161	1.47E-09	0.007	0.003	0.013	0.010	36.548	TRUE	7.95E-09
FVC	CARS	cg05729581	rs402806	G	A	-0.297	0.024	0.402	5.43E-36	0.004	0.002	0.065	0.041	156.799	TRUE	3.07E-34
FVC	CARS	cg08508325	rs10741735	A	G	0.235	0.024	0.481	3.24E-23	-0.001	0.002	0.634	0.026	98.454	TRUE	1.29E-22

FVC	CARS	cg08508325	rs10766444	T	C	-0.154	0.023	0.483	5.63E-11	0.000	0.002	0.948	0.011	42.923	TRUE	8.05E-11
FVC	CARS	cg08508325	rs11025317	A	G	-0.569	0.036	0.118	2.06E-55	0.003	0.004	0.450	0.062	245.737	TRUE	2.95E-53
FVC	CARS	cg08508325	rs117267915	C	T	-0.481	0.079	0.039	1.31E-09	-0.002	0.006	0.766	0.010	36.778	TRUE	2.00E-09
FVC	CARS	cg08508325	rs117345724	A	G	-0.410	0.069	0.029	2.95E-09	-0.001	0.007	0.877	0.009	35.199	TRUE	4.10E-09
FVC	CARS	cg08508325	rs12276060	T	A	-0.795	0.021	0.374	<1E-200	0.005	0.002	0.045	0.278	1423.630	TRUE	7.33E-273
FVC	CARS	cg08508325	rs12418199	A	C	0.154	0.024	0.410	1.59E-10	-0.001	0.002	0.625	0.011	40.892	TRUE	2.88E-10
FVC	CARS	cg08508325	rs140094471	T	C	-0.342	0.038	0.114	3.79E-19	0.007	0.004	0.071	0.021	79.935	TRUE	3.53E-18
FVC	CARS	cg08508325	rs2285390	C	A	0.440	0.038	0.105	1.60E-30	-0.004	0.004	0.323	0.034	131.794	TRUE	1.99E-29
FVC	CARS	cg08508325	rs35429169	A	G	0.330	0.058	0.088	1.42E-08	-0.016	0.004	2.58E-04	0.009	32.145	TRUE	1.25E-07
FVC	CARS	cg08508325	rs61871219	T	C	0.211	0.035	0.132	1.19E-09	0.001	0.003	0.773	0.010	36.960	TRUE	1.83E-09
FVC	CARS	cg08508325	rs756694	G	A	0.364	0.036	0.110	1.67E-23	0.014	0.004	1.70E-04	0.026	99.770	TRUE	1.39E-21
FVC	CARS	cg08508325	rs7934793	G	T	-0.157	0.024	0.425	7.41E-11	0.001	0.002	0.651	0.011	42.383	TRUE	1.33E-10
FVC	CARS	cg14935025	rs17687673	C	T	0.618	0.040	0.088	1.29E-53	0.012	0.004	0.002	0.060	237.502	TRUE	4.16E-50
FVC	CARS	cg14935025	rs2237902	C	G	0.134	0.024	0.382	3.06E-08	0.002	0.002	0.499	0.008	30.651	TRUE	5.36E-08
FVC	CARS	cg14935025	rs395188	A	G	-0.168	0.023	0.493	7.84E-13	0.001	0.002	0.550	0.014	51.293	TRUE	1.75E-12
FVC	CARS	cg14935025	rs77482583	A	G	0.509	0.075	0.024	9.59E-12	0.008	0.007	0.266	0.012	46.385	TRUE	2.78E-11
FVC	CARS	cg14935025	rs7937865	A	G	-0.323	0.039	0.098	2.01E-16	-0.008	0.004	0.059	0.018	67.557	TRUE	1.51E-15
FVC	CARS	cg17004353	rs149566596	T	C	1.106	0.113	0.023	1.23E-22	0.008	0.008	0.306	0.025	95.809	TRUE	7.83E-22
FVC	CARS	cg17004353	rs2100086	G	A	0.180	0.024	0.386	6.29E-14	0.001	0.003	0.852	0.015	56.247	TRUE	1.12E-13
FVC	CARS	cg17004353	rs2237902	C	G	0.218	0.024	0.382	1.55E-19	0.002	0.002	0.499	0.022	81.701	TRUE	5.61E-19
FVC	CARS	cg17004353	rs395188	A	G	-0.234	0.023	0.493	1.61E-23	0.001	0.002	0.550	0.026	99.835	TRUE	7.41E-23
FVC	CARS	cg17004353	rs61871184	C	G	-0.203	0.034	0.145	1.45E-09	-0.003	0.003	0.404	0.010	36.579	TRUE	3.06E-09
FVC	CARS	cg17004353	rs74048783	A	C	0.924	0.039	0.090	8.42E-126	0.012	0.004	0.002	0.133	568.883	TRUE	8.82E-116
FVC	CARS	cg17004353	rs7934793	G	T	0.163	0.024	0.425	1.09E-11	0.001	0.002	0.651	0.012	46.142	TRUE	2.04E-11
FVC	CARS	cg17004353	rs7937865	A	G	-0.274	0.040	0.098	3.74E-12	-0.008	0.004	0.059	0.013	48.230	TRUE	1.85E-11
FVC	CARS	cg20324356	rs13390	G	A	0.177	0.030	0.188	4.06E-09	0.000	0.003	0.912	0.009	34.575	TRUE	5.42E-09
FVC	CARS	cg20324356	rs2071103	T	C	0.393	0.024	0.400	2.23E-61	-0.008	0.002	0.002	0.069	273.092	TRUE	2.74E-57
FVC	CARS	cg20324356	rs756694	G	A	-0.200	0.037	0.110	4.69E-08	0.014	0.004	1.70E-04	0.008	29.824	TRUE	3.90E-07
FVC	CARS	cg21875845	rs420151	G	A	0.212	0.023	0.402	8.39E-20	0.004	0.002	0.072	0.022	82.911	TRUE	8.18E-19
FVC	CARS	cg25072766	rs118092312	A	G	0.627	0.113	0.020	2.47E-08	0.001	0.009	0.935	0.008	31.067	TRUE	3.18E-08
FVC	CARS	cg25072766	rs149566596	T	C	0.952	0.113	0.023	4.39E-17	0.008	0.008	0.306	0.019	70.555	TRUE	1.79E-16
FVC	CARS	cg25072766	rs2100086	G	A	0.156	0.024	0.386	8.91E-11	0.001	0.003	0.852	0.011	42.025	TRUE	1.36E-10
FVC	CARS	cg25072766	rs2237902	C	G	0.184	0.024	0.382	2.34E-14	0.002	0.002	0.499	0.015	58.191	TRUE	5.97E-14
FVC	CARS	cg25072766	rs395188	A	G	-0.208	0.023	0.493	6.49E-19	0.001	0.002	0.550	0.021	78.871	TRUE	2.14E-18
FVC	CARS	cg25072766	rs4317969	T	G	-0.341	0.040	0.097	6.03E-18	-0.008	0.004	0.053	0.020	74.471	TRUE	5.47E-17
FVC	CARS	cg25072766	rs74048783	A	C	0.857	0.039	0.090	2.32E-107	0.012	0.004	0.002	0.116	484.170	TRUE	2.67E-99
FVC	CARS	cg25072766	rs7934793	G	T	0.133	0.024	0.425	3.38E-08	0.001	0.002	0.651	0.008	30.459	TRUE	5.28E-08
FVC	CARS	cg25174290	rs420151	G	A	0.218	0.023	0.402	1.65E-20	0.004	0.002	0.072	0.023	86.120	TRUE	1.73E-19
FVC	CASP8AP2	cg13799429	rs10806401	T	C	0.132	0.024	0.444	2.12E-08	0.000	0.002	0.911	0.008	31.364	TRUE	2.79E-08
FVC	CASP8AP2	cg13799429	rs10944439	A	T	0.148	0.024	0.354	1.17E-09	-0.002	0.002	0.395	0.010	37.006	TRUE	2.51E-09
FVC	CASP8AP2	cg13799429	rs12530146	T	C	0.368	0.067	0.074	3.23E-08	-0.002	0.005	0.737	0.008	30.546	TRUE	4.73E-08
FVC	CASP8AP2	cg13799429	rs12663458	C	G	0.181	0.029	0.184	6.80E-10	0.003	0.003	0.262	0.010	38.056	TRUE	1.70E-09

FVC	CASP8AP2	cg13799429	rs13220655	C	G	-0.249	0.038	0.093	8.70E-11	-0.004	0.004	0.260	0.011	42.071	TRUE	2.38E-10
FVC	CASP8AP2	cg13799429	rs148798051	A	C	-0.945	0.159	0.014	3.00E-09	-0.019	0.012	0.109	0.009	35.167	TRUE	9.47E-09
FVC	CASP8AP2	cg13799429	rs149792516	T	C	-0.905	0.124	0.018	2.48E-13	-0.009	0.009	0.347	0.014	53.557	TRUE	7.14E-13
FVC	CASP8AP2	cg13799429	rs176765	C	A	-0.201	0.026	0.276	3.59E-14	0.002	0.003	0.396	0.015	57.353	TRUE	1.03E-13
FVC	CASP8AP2	cg13799429	rs2304895	T	C	0.272	0.033	0.138	1.23E-16	0.005	0.003	0.145	0.018	68.528	TRUE	6.70E-16
FVC	CASP8AP2	cg13799429	rs466321	C	G	-0.970	0.040	0.088	1.66E-129	-0.006	0.004	0.182	0.137	585.905	TRUE	8.83E-121
FVC	CASP8AP2	cg13799429	rs4706346	C	T	0.294	0.031	0.181	6.61E-22	0.004	0.003	0.231	0.024	92.486	TRUE	4.63E-21
FVC	CASP8AP2	cg13799429	rs55650455	C	T	-0.256	0.028	0.216	1.59E-19	-0.007	0.003	0.012	0.022	81.645	TRUE	2.84E-18
FVC	CASP8AP2	cg13799429	rs59912723	A	G	-1.030	0.126	0.015	3.20E-16	-0.014	0.011	0.185	0.018	66.638	TRUE	1.55E-15
FVC	CASP8AP2	cg13799429	rs62415380	C	G	0.231	0.037	0.113	3.50E-10	0.005	0.004	0.169	0.011	39.354	TRUE	1.06E-09
FVC	CASP8AP2	cg13799429	rs72919973	A	G	-0.803	0.145	0.012	2.83E-08	-0.012	0.011	0.268	0.008	30.802	TRUE	6.30E-08
FVC	CASP8AP2	cg13799429	rs74437492	G	A	-1.017	0.027	0.180	<1E-200	-0.006	0.003	0.066	0.279	1429.369	TRUE	4.38E-274
FVC	CASP8AP2	cg13799429	rs77269634	A	C	-0.826	0.127	0.016	6.76E-11	0.003	0.010	0.784	0.011	42.564	TRUE	1.08E-10
FVC	CASP8AP2	cg13799429	rs7760960	T	C	0.336	0.023	0.471	1.90E-48	-0.002	0.002	0.513	0.055	213.823	TRUE	9.62E-47
FVC	CASP8AP2	cg13799429	rs77968219	A	G	-0.320	0.053	0.050	1.26E-09	-0.011	0.006	0.053	0.010	36.853	TRUE	4.94E-09
FVC	CASP8AP2	cg13799429	rs79185045	A	G	-0.655	0.059	0.042	4.55E-29	0.005	0.006	0.397	0.033	125.156	TRUE	4.16E-28
FVC	CASP8AP2	cg13799429	rs9342183	T	C	-0.155	0.028	0.217	4.99E-08	-0.001	0.003	0.639	0.008	29.703	TRUE	7.84E-08
FVC	CASP8AP2	cg13799429	rs9344968	G	T	0.436	0.025	0.305	1.54E-66	0.004	0.003	0.136	0.074	296.764	TRUE	3.50E-63
FVC	CASP8AP2	cg13799429	rs9362606	C	T	0.167	0.028	0.206	2.60E-09	-0.004	0.003	0.140	0.009	35.444	TRUE	7.74E-09
FVC	CASP8AP2	cg13799429	rs9362654	G	A	0.238	0.024	0.376	1.24E-22	-0.001	0.002	0.574	0.025	95.796	TRUE	5.21E-22
FVC	CASP8AP2	cg14728024	rs17707653	C	T	0.314	0.028	0.204	1.56E-28	0.005	0.003	0.104	0.032	122.714	TRUE	3.08E-27
FVC	CASP8AP2	cg14728024	rs4707565	C	T	-0.152	0.024	0.373	3.54E-10	0.004	0.002	0.151	0.011	39.331	TRUE	1.12E-09
FVC	CBL	cg22414151	rs11243	G	A	-0.800	0.058	0.043	1.15E-43	0.013	0.006	0.031	0.049	191.927	TRUE	2.55E-41
FVC	CBS	cg00882967	rs1788493	C	T	-0.153	0.023	0.483	5.03E-11	-0.005	0.002	0.050	0.012	43.144	TRUE	2.28E-10
FVC	CBS	cg00882967	rs55994345	T	C	0.292	0.039	0.102	3.66E-14	0.003	0.004	0.383	0.015	57.314	TRUE	1.08E-13
FVC	CBS	cg00882967	rs71316190	C	T	-0.385	0.055	0.046	2.79E-12	-0.002	0.005	0.765	0.013	48.805	TRUE	4.86E-12
FVC	CBS	cg01788910	rs1051319	C	G	0.625	0.033	0.140	8.14E-79	0.001	0.004	0.750	0.087	353.100	TRUE	1.65E-75
FVC	CBS	cg01788910	rs12482487	T	C	0.448	0.058	0.040	1.34E-14	-0.008	0.006	0.178	0.016	59.287	TRUE	5.72E-14
FVC	CBS	cg01788910	rs13052751	T	C	0.185	0.024	0.395	1.30E-14	-0.004	0.002	0.077	0.016	59.352	TRUE	7.44E-14
FVC	CBS	cg01788910	rs145115457	T	A	-0.461	0.075	0.031	5.91E-10	0.004	0.007	0.570	0.010	38.331	TRUE	1.08E-09
FVC	CBS	cg01788910	rs1672117	G	A	-0.272	0.027	0.247	5.79E-24	-0.003	0.003	0.210	0.027	101.861	TRUE	5.14E-23
FVC	CBS	cg01788910	rs2027711	T	C	0.786	0.020	0.470	<1E-200	-0.002	0.002	0.370	0.290	1512.517	TRUE	1.07E-289
FVC	CBS	cg01788910	rs234702	G	C	0.503	0.065	0.064	1.22E-14	0.004	0.004	0.365	0.016	59.475	TRUE	3.79E-14
FVC	CBS	cg01788910	rs234784	T	C	0.279	0.034	0.371	9.24E-17	-0.003	0.002	0.266	0.018	69.089	TRUE	3.97E-16
FVC	CBS	cg01788910	rs35112095	A	G	0.269	0.049	0.057	4.20E-08	-0.002	0.005	0.701	0.008	30.041	TRUE	6.30E-08
FVC	CBS	cg01788910	rs55767206	T	C	-0.738	0.038	0.103	5.64E-84	0.005	0.004	0.151	0.092	376.783	TRUE	2.04E-79
FVC	CBS	cg01788910	rs71320557	T	C	0.412	0.037	0.107	1.09E-28	-0.001	0.004	0.701	0.032	123.416	TRUE	5.95E-28
FVC	CBS	cg01788910	rs71320558	T	C	-0.276	0.050	0.120	3.79E-08	0.001	0.004	0.738	0.008	30.236	TRUE	5.53E-08
FVC	CBS	cg01788910	rs7279886	C	A	-0.144	0.026	0.287	2.88E-08	0.003	0.003	0.209	0.008	30.772	TRUE	6.83E-08
FVC	CBS	cg01788910	rs7281623	A	C	-0.185	0.024	0.399	2.39E-14	0.002	0.002	0.319	0.015	58.149	TRUE	7.78E-14
FVC	CBS	cg01788910	rs75873792	G	C	0.577	0.079	0.020	2.48E-13	0.004	0.007	0.515	0.014	53.551	TRUE	5.87E-13
FVC	CBS	cg01788910	rs77233863	A	C	-0.426	0.040	0.084	4.89E-26	0.009	0.004	0.018	0.029	111.317	TRUE	1.60E-24

FVC	CBS	cg01788910	rs78269027	C	T	-0.827	0.144	0.016	9.54E-09	-0.003	0.010	0.788	0.009	32.914	TRUE	1.38E-08
FVC	CBS	cg01788910	rs79067607	T	C	-0.468	0.062	0.071	6.05E-14	0.007	0.004	0.116	0.015	56.325	TRUE	2.86E-13
FVC	CBS	cg01817286	rs55994345	T	C	0.256	0.038	0.102	2.08E-11	0.003	0.004	0.383	0.012	44.872	TRUE	5.09E-11
FVC	CBS	cg02644491	rs149095199	T	C	-0.426	0.040	0.084	5.17E-26	0.010	0.004	0.013	0.029	111.208	TRUE	1.82E-24
FVC	CBS	cg02644491	rs1672117	G	A	-0.260	0.027	0.247	6.41E-22	-0.003	0.003	0.210	0.024	92.548	TRUE	4.74E-21
FVC	CBS	cg02644491	rs181911461	A	G	-0.499	0.090	0.019	2.81E-08	0.020	0.009	0.018	0.008	30.818	TRUE	1.22E-07
FVC	CBS	cg02644491	rs234714	T	C	0.548	0.029	0.203	9.58E-80	0.003	0.003	0.383	0.088	357.365	TRUE	6.07E-76
FVC	CBS	cg02644491	rs234784	T	C	0.239	0.034	0.371	1.10E-12	-0.003	0.002	0.266	0.014	50.635	TRUE	3.44E-12
FVC	CBS	cg02644491	rs2839619	G	A	0.778	0.020	0.487	<1E-200	-0.005	0.002	0.047	0.283	1462.750	TRUE	1.43E-279
FVC	CBS	cg02644491	rs55767206	T	C	-0.694	0.038	0.103	4.92E-74	0.005	0.004	0.151	0.082	331.157	TRUE	3.16E-70
FVC	CBS	cg02644491	rs6586278	T	C	0.528	0.034	0.140	4.04E-54	0.004	0.004	0.284	0.061	239.816	TRUE	7.92E-52
FVC	CBS	cg02644491	rs71320557	T	C	0.311	0.037	0.107	6.11E-17	-0.001	0.004	0.701	0.019	69.904	TRUE	1.47E-16
FVC	CBS	cg02644491	rs7278989	C	T	0.151	0.025	0.319	2.60E-09	-0.004	0.003	0.131	0.009	35.441	TRUE	7.92E-09
FVC	CBS	cg02644491	rs7281623	A	C	-0.143	0.024	0.399	4.64E-09	0.002	0.002	0.319	0.009	34.315	TRUE	1.03E-08
FVC	CBS	cg02644491	rs760124	C	T	0.363	0.046	0.066	4.70E-15	-0.007	0.005	0.167	0.016	61.347	TRUE	2.14E-14
FVC	CBS	cg02644491	rs76980828	C	G	-0.307	0.047	0.059	6.03E-11	0.000	0.005	0.979	0.011	42.789	TRUE	8.26E-11
FVC	CBS	cg02644491	rs78338872	T	C	0.477	0.073	0.030	5.01E-11	0.000	0.007	0.963	0.012	43.150	TRUE	6.97E-11
FVC	CBS	cg02644491	rs79067607	T	C	-0.457	0.062	0.071	2.53E-13	0.007	0.004	0.116	0.014	53.511	TRUE	1.14E-12
FVC	CBS	cg03137177	rs11911976	C	T	0.133	0.024	0.429	2.61E-08	-0.006	0.002	0.011	0.008	30.959	TRUE	1.29E-07
FVC	CBS	cg06118533	rs74748949	T	G	-0.434	0.075	0.025	8.48E-09	-0.008	0.007	0.251	0.009	33.144	TRUE	2.01E-08
FVC	CBS	cg07211972	rs1107831	G	A	0.299	0.024	0.397	6.72E-37	-0.005	0.002	0.047	0.042	160.949	TRUE	4.91E-35
FVC	CBS	cg07211972	rs13048977	G	A	-0.150	0.026	0.288	7.15E-09	0.003	0.003	0.209	0.009	33.475	TRUE	1.78E-08
FVC	CBS	cg07211972	rs1672117	G	A	-0.200	0.027	0.247	1.31E-13	-0.003	0.003	0.210	0.015	54.809	TRUE	4.84E-13
FVC	CBS	cg07211972	rs2276240	A	G	-0.137	0.025	0.332	2.93E-08	0.000	0.003	0.861	0.008	30.737	TRUE	3.91E-08
FVC	CBS	cg07211972	rs428732	T	C	0.323	0.043	0.079	5.92E-14	0.001	0.004	0.777	0.015	56.368	TRUE	1.12E-13
FVC	CBS	cg07211972	rs706209	A	G	-0.731	0.020	0.452	2.06E-281	0.002	0.002	0.375	0.258	1284.298	TRUE	3.29E-250
FVC	CBS	cg07211972	rs73220903	T	C	0.365	0.035	0.134	1.07E-25	0.003	0.004	0.465	0.029	109.762	TRUE	6.58E-25
FVC	CBS	cg07211972	rs73231644	T	C	-0.244	0.031	0.161	8.90E-15	0.007	0.003	0.029	0.016	60.093	TRUE	7.00E-14
FVC	CBS	cg07211972	rs75402527	T	A	-0.418	0.042	0.091	3.15E-23	0.005	0.004	0.243	0.026	98.510	TRUE	2.41E-22
FVC	CBS	cg07211972	rs760124	C	T	0.322	0.046	0.066	3.92E-12	-0.007	0.005	0.167	0.013	48.139	TRUE	1.40E-11
FVC	CBS	cg09128751	rs141298881	T	C	-0.895	0.161	0.012	2.78E-08	-0.009	0.013	0.493	0.008	30.839	TRUE	4.94E-08
FVC	CBS	cg09128751	rs181911461	A	G	-0.488	0.090	0.019	4.95E-08	0.020	0.009	0.018	0.008	29.719	TRUE	2.09E-07
FVC	CBS	cg09128751	rs2839584	C	T	-0.187	0.028	0.200	3.91E-11	0.006	0.003	0.029	0.012	43.633	TRUE	2.16E-10
FVC	CBS	cg09128751	rs35976043	T	C	-0.146	0.024	0.368	1.52E-09	-0.003	0.002	0.216	0.010	36.487	TRUE	4.04E-09
FVC	CBS	cg09128751	rs397589	T	G	0.178	0.023	0.483	2.91E-14	-0.004	0.002	0.068	0.015	57.766	TRUE	1.76E-13
FVC	CBS	cg09128751	rs57538964	C	T	-0.718	0.038	0.101	3.41E-79	0.004	0.004	0.239	0.088	354.833	TRUE	3.32E-75
FVC	CBS	cg14171527	rs111412674	C	T	-0.419	0.055	0.047	2.89E-14	-0.001	0.006	0.932	0.015	57.776	TRUE	4.81E-14
FVC	CBS	cg14171527	rs112273870	A	G	0.312	0.038	0.108	2.95E-16	0.004	0.004	0.271	0.018	66.799	TRUE	1.20E-15
FVC	CBS	cg15300856	rs113636179	G	A	0.442	0.057	0.042	7.06E-15	-0.010	0.006	0.080	0.016	60.547	TRUE	4.12E-14
FVC	CBS	cg15300856	rs118097759	C	A	-0.470	0.066	0.035	7.71E-13	-0.003	0.007	0.632	0.014	51.327	TRUE	1.57E-12
FVC	CBS	cg15300856	rs11909507	A	G	0.256	0.043	0.086	2.06E-09	0.009	0.004	0.034	0.010	35.899	TRUE	9.00E-09
FVC	CBS	cg15300856	rs234771	C	T	-0.400	0.042	0.082	1.63E-21	0.001	0.004	0.845	0.024	90.707	TRUE	4.42E-21

FVC	CBS	cg15300856	rs2850144	C	G	-0.730	0.023	0.343	7.65E-214	-0.003	0.003	0.301	0.208	973.575	TRUE	2.89E-194
FVC	CBS	cg15300856	rs2850147	C	T	-0.144	0.024	0.461	8.65E-10	0.006	0.002	0.008	0.010	37.588	TRUE	5.08E-09
FVC	CBS	cg15300856	rs28888543	A	G	0.186	0.031	0.173	1.09E-09	0.004	0.003	0.143	0.010	37.145	TRUE	3.31E-09
FVC	CBS	cg15300856	rs62217610	A	C	-0.346	0.028	0.205	3.55E-34	-0.006	0.003	0.040	0.039	148.498	TRUE	2.14E-32
FVC	CBS	cg15300856	rs6586282	T	C	0.319	0.031	0.182	2.77E-25	0.005	0.003	0.106	0.028	107.883	TRUE	3.92E-24
FVC	CBS	cg15300856	rs78072851	C	G	-0.489	0.074	0.030	3.71E-11	0.000	0.007	0.973	0.012	43.740	TRUE	5.14E-11
FVC	CBS	cg15300856	rs9653816	T	C	0.148	0.024	0.366	1.01E-09	0.001	0.002	0.717	0.010	37.278	TRUE	1.63E-09
FVC	CBS	cg19312314	rs1051319	C	G	0.449	0.034	0.140	1.29E-40	0.001	0.004	0.750	0.046	177.961	TRUE	1.85E-39
FVC	CBS	cg19312314	rs12482487	T	C	0.492	0.058	0.040	2.40E-17	-0.008	0.006	0.178	0.019	71.748	TRUE	1.29E-16
FVC	CBS	cg19312314	rs13052393	T	C	-0.237	0.040	0.278	2.76E-09	0.004	0.003	0.166	0.009	35.326	TRUE	7.86E-09
FVC	CBS	cg19312314	rs145115457	T	A	-0.453	0.075	0.031	1.17E-09	0.004	0.007	0.570	0.010	37.004	TRUE	2.10E-09
FVC	CBS	cg19312314	rs149095199	T	C	-0.430	0.040	0.084	1.62E-26	0.010	0.004	0.013	0.030	113.509	TRUE	6.05E-25
FVC	CBS	cg19312314	rs150860006	T	A	0.925	0.165	0.011	2.20E-08	-0.002	0.011	0.828	0.008	31.295	TRUE	3.04E-08
FVC	CBS	cg19312314	rs1672117	G	A	-0.269	0.027	0.247	1.80E-23	-0.003	0.003	0.210	0.026	99.616	TRUE	1.53E-22
FVC	CBS	cg19312314	rs181911461	A	G	-0.552	0.090	0.019	8.29E-10	0.020	0.009	0.018	0.010	37.671	TRUE	4.32E-09
FVC	CBS	cg19312314	rs2276240	A	G	-0.172	0.025	0.332	2.76E-12	0.000	0.003	0.861	0.013	48.829	TRUE	4.38E-12
FVC	CBS	cg19312314	rs234702	G	C	0.525	0.065	0.064	7.19E-16	0.004	0.004	0.365	0.017	65.046	TRUE	2.44E-15
FVC	CBS	cg19312314	rs234784	T	C	0.308	0.033	0.371	3.05E-20	-0.003	0.002	0.266	0.022	84.912	TRUE	1.73E-19
FVC	CBS	cg19312314	rs35112095	A	G	0.295	0.049	0.057	1.79E-09	-0.002	0.005	0.701	0.010	36.170	TRUE	2.88E-09
FVC	CBS	cg19312314	rs35628508	C	T	-0.455	0.049	0.053	1.90E-20	-0.002	0.005	0.640	0.023	85.851	TRUE	6.21E-20
FVC	CBS	cg19312314	rs57538964	C	T	-0.743	0.038	0.101	6.34E-85	0.004	0.004	0.239	0.093	381.138	TRUE	1.69E-80
FVC	CBS	cg19312314	rs71320557	T	C	0.430	0.037	0.107	3.24E-31	-0.001	0.004	0.701	0.035	134.966	TRUE	2.16E-30
FVC	CBS	cg19312314	rs74748949	T	G	0.418	0.076	0.025	3.91E-08	-0.008	0.007	0.251	0.008	30.177	TRUE	8.81E-08
FVC	CBS	cg19312314	rs75873792	G	C	0.532	0.079	0.020	1.52E-11	0.004	0.007	0.515	0.012	45.486	TRUE	3.21E-11
FVC	CBS	cg19312314	rs9637290	T	C	-0.791	0.020	0.493	<1E-200	0.003	0.002	0.157	0.297	1559.258	TRUE	7.72E-297
FVC	CBS	cg22633722	rs234716	A	C	-0.261	0.042	0.081	4.87E-10	0.001	0.004	0.756	0.010	38.709	TRUE	7.69E-10
FVC	CBS	cg22633722	rs2850144	C	G	-0.461	0.024	0.343	5.58E-80	-0.003	0.003	0.301	0.088	358.440	TRUE	5.04E-76
FVC	CBS	cg22633722	rs62217610	A	C	-0.208	0.029	0.205	3.22E-13	-0.006	0.003	0.040	0.014	53.042	TRUE	2.02E-12
FVC	CBS	cg22633722	rs6586282	T	C	0.206	0.031	0.182	2.35E-11	0.005	0.003	0.106	0.012	44.630	TRUE	9.09E-11
FVC	CBS	cg22633722	rs760124	C	T	0.275	0.046	0.066	3.29E-09	-0.007	0.005	0.167	0.009	34.988	TRUE	9.16E-09
FVC	CD14	cg02343503	rs2569177	T	G	-0.212	0.026	0.291	2.94E-16	-0.001	0.003	0.666	0.018	66.805	TRUE	7.03E-16
FVC	CD14	cg08830139	rs11554680	T	C	-0.173	0.028	0.226	4.21E-10	-0.012	0.003	1.11E-05	0.010	38.992	TRUE	7.16E-09
FVC	CD14	cg09824255	rs11167645	G	T	0.138	0.025	0.332	2.14E-08	0.011	0.003	1.10E-05	0.008	31.349	TRUE	2.64E-07
FVC	CD14	cg09824255	rs3138078	A	C	-0.243	0.028	0.227	2.34E-18	-0.012	0.003	8.17E-06	0.020	76.341	TRUE	1.64E-16
FVC	CD14	cg12143439	rs139633203	C	T	-0.423	0.071	0.031	3.03E-09	0.010	0.007	0.175	0.009	35.142	TRUE	8.36E-09
FVC	CD14	cg12143439	rs150268356	T	C	-0.342	0.061	0.033	1.64E-08	0.004	0.006	0.543	0.009	31.865	TRUE	2.84E-08
FVC	CD14	cg12143439	rs2563316	G	C	-0.369	0.026	0.288	1.88E-46	-0.001	0.003	0.685	0.052	204.677	TRUE	5.78E-45
FVC	CD14	cg12143439	rs5744441	A	G	0.279	0.028	0.220	9.29E-23	-0.012	0.003	2.35E-05	0.025	96.369	TRUE	1.11E-20
FVC	CD14	cg12192566	rs112198955	A	G	-0.436	0.073	0.027	1.87E-09	0.011	0.007	0.117	0.010	36.089	TRUE	5.95E-09
FVC	CD14	cg12192566	rs13174119	A	G	0.219	0.025	0.333	1.56E-18	0.011	0.003	1.69E-05	0.020	77.140	TRUE	1.03E-16
FVC	CD14	cg12192566	rs17412323	G	A	-0.182	0.028	0.226	5.54E-11	0.003	0.003	0.291	0.011	42.954	TRUE	1.44E-10
FVC	CD14	cg12192566	rs2074611	A	G	-0.279	0.047	0.073	2.32E-09	-0.005	0.005	0.262	0.010	35.662	TRUE	5.61E-09

FVC	CD14	cg12192566	rs2563316	G	C	-0.458	0.026	0.288	1.15E-71	-0.001	0.003	0.685	0.080	320.288	TRUE	9.39E-69
FVC	CD14	cg12192566	rs75436533	A	C	-0.286	0.044	0.082	5.19E-11	0.003	0.005	0.513	0.012	43.080	TRUE	1.07E-10
FVC	CD14	cg14958663	rs11168036	T	G	-0.132	0.024	0.485	2.71E-08	-0.007	0.002	0.002	0.008	30.891	TRUE	1.63E-07
FVC	CD14	cg14958663	rs111919803	C	T	-0.530	0.073	0.027	4.79E-13	0.010	0.007	0.163	0.014	52.260	TRUE	1.88E-12
FVC	CD14	cg14958663	rs115216292	T	C	-0.368	0.067	0.033	3.86E-08	0.010	0.007	0.144	0.008	30.203	TRUE	1.03E-07
FVC	CD14	cg14958663	rs150268356	T	C	-0.381	0.061	0.033	3.05E-10	0.004	0.006	0.543	0.011	39.624	TRUE	5.83E-10
FVC	CD14	cg14958663	rs155823	C	G	0.198	0.025	0.331	3.46E-15	0.011	0.003	1.56E-05	0.016	61.955	TRUE	1.37E-13
FVC	CD14	cg14958663	rs2074611	A	G	-0.350	0.047	0.073	7.51E-14	-0.005	0.005	0.262	0.015	55.899	TRUE	2.54E-13
FVC	CD14	cg14958663	rs75436533	A	C	-0.324	0.044	0.082	1.03E-13	0.003	0.005	0.513	0.015	55.278	TRUE	2.52E-13
FVC	CD14	cg14958663	rs778587	T	C	-0.519	0.025	0.290	1.07E-92	-0.001	0.003	0.672	0.101	416.835	TRUE	2.95E-88
FVC	CD14	cg19008097	rs2563312	T	C	-0.224	0.037	0.114	1.88E-09	-0.007	0.004	0.060	0.010	36.079	TRUE	7.04E-09
FVC	CD14	cg19008097	rs7709599	A	T	0.430	0.028	0.220	1.23E-52	-0.012	0.003	9.32E-06	0.059	233.015	TRUE	2.29E-48
FVC	CD14	cg20943084	rs13179861	A	G	0.187	0.032	0.168	5.06E-09	-0.009	0.003	0.006	0.009	34.147	TRUE	3.00E-08
FVC	CD14	cg20943084	rs2563331	T	C	-0.234	0.029	0.205	7.31E-16	-0.004	0.003	0.191	0.017	65.014	TRUE	3.37E-15
FVC	CD14	cg20943084	rs6872579	G	A	-0.229	0.031	0.184	2.51E-13	0.001	0.003	0.823	0.014	53.528	TRUE	4.40E-13
FVC	CD14	cg20943084	rs7721577	C	T	0.411	0.028	0.219	6.40E-48	-0.012	0.003	9.32E-06	0.054	211.406	TRUE	5.29E-44
FVC	CD14	cg25358289	rs115216292	T	C	-0.466	0.067	0.033	3.08E-12	0.010	0.007	0.144	0.013	48.609	TRUE	1.17E-11
FVC	CD14	cg25358289	rs5744441	A	G	0.320	0.028	0.220	1.65E-29	-0.012	0.003	2.35E-05	0.033	127.163	TRUE	5.51E-27
FVC	CD14	cg25358289	rs6897376	T	A	0.140	0.025	0.319	3.38E-08	0.009	0.003	6.32E-04	0.008	30.460	TRUE	2.57E-07
FVC	CD14	cg25358289	rs75436533	A	C	-0.281	0.044	0.082	1.18E-10	0.003	0.005	0.513	0.011	41.478	TRUE	2.39E-10
FVC	CD14	cg25358289	rs778587	T	C	-0.447	0.026	0.290	2.03E-68	-0.001	0.003	0.672	0.076	305.395	TRUE	1.02E-65
FVC	CD164	cg08222271	rs6920962	T	A	-0.270	0.026	0.370	7.95E-25	-0.011	0.003	1.01E-05	0.028	105.795	TRUE	1.49E-22
FVC	CD164	cg09416154	rs1832777	T	G	0.198	0.025	0.472	5.37E-15	-0.003	0.002	0.298	0.016	61.087	TRUE	1.89E-14
FVC	CD164	cg09416154	rs36099706	C	A	-0.233	0.027	0.338	5.03E-18	-0.010	0.003	1.47E-04	0.020	74.827	TRUE	2.09E-16
FVC	CD164	cg12940558	rs12204742	A	G	0.880	0.070	0.033	1.60E-36	-0.016	0.007	0.016	0.041	159.226	TRUE	1.94E-34
FVC	CD300A	cg05592035	rs11077751	T	G	0.305	0.024	0.411	2.48E-38	0.001	0.002	0.819	0.043	167.505	TRUE	2.67E-37
FVC	CD300A	cg05592035	rs11654234	A	G	-0.437	0.046	0.070	4.96E-21	-0.006	0.004	0.193	0.023	88.502	TRUE	3.58E-20
FVC	CD300A	cg05592035	rs11658490	A	G	-0.142	0.025	0.368	7.71E-09	-0.001	0.003	0.655	0.009	33.328	TRUE	1.23E-08
FVC	CD300A	cg05592035	rs11659060	A	G	-0.164	0.024	0.428	9.28E-12	0.000	0.002	0.931	0.012	46.450	TRUE	1.37E-11
FVC	CD300A	cg05592035	rs117693204	A	G	0.790	0.126	0.021	3.13E-10	0.001	0.010	0.960	0.011	39.571	TRUE	4.25E-10
FVC	CD300A	cg05592035	rs146122126	T	C	0.424	0.074	0.022	8.34E-09	0.000	0.008	1.000	0.009	33.176	TRUE	1.04E-08
FVC	CD300A	cg05592035	rs1566836	A	G	-0.209	0.023	0.478	2.09E-19	-0.003	0.002	0.290	0.021	81.106	TRUE	1.04E-18
FVC	CD300A	cg05592035	rs16978058	T	A	0.496	0.065	0.033	3.01E-14	0.001	0.006	0.921	0.015	57.698	TRUE	5.02E-14
FVC	CD300A	cg05592035	rs2670838	G	A	0.949	0.017	0.447	<1E-200	0.005	0.002	0.054	0.443	2941.088	TRUE	<1E-200
FVC	CD300A	cg05592035	rs72844323	A	G	-0.395	0.051	0.048	1.40E-14	-0.005	0.005	0.361	0.016	59.207	TRUE	4.30E-14
FVC	CD300A	cg05592035	rs74627195	A	G	0.572	0.053	0.048	6.94E-27	-0.006	0.005	0.293	0.030	115.188	TRUE	6.55E-26
FVC	CD300A	cg05592035	rs77064723	G	A	-0.319	0.056	0.050	1.01E-08	-0.003	0.005	0.616	0.009	32.804	TRUE	1.66E-08
FVC	CD300A	cg05592035	rs80227657	C	T	0.532	0.086	0.021	6.10E-10	-0.007	0.008	0.412	0.010	38.269	TRUE	1.30E-09
FVC	CD300A	cg05592035	rs9897137	T	C	0.279	0.031	0.175	2.09E-19	-0.004	0.003	0.234	0.021	81.103	TRUE	1.17E-18
FVC	CD300A	cg08087047	rs4788839	C	T	-0.130	0.024	0.409	4.73E-08	0.005	0.002	0.054	0.008	29.808	TRUE	1.58E-07
FVC	CD300A	cg08087047	rs72844326	G	T	0.930	0.054	0.043	2.17E-65	0.005	0.006	0.369	0.073	291.492	TRUE	1.51E-62
FVC	CD300A	cg10953317	rs11077746	C	T	0.220	0.038	0.108	5.44E-09	-0.003	0.004	0.376	0.009	34.007	TRUE	1.13E-08

FVC	CD300A	cg10953317	rs141431154	A	G	-0.356	0.060	0.034	3.80E-09	-0.007	0.006	0.266	0.009	34.705	TRUE	9.07E-09
FVC	CD300A	cg10953317	rs1566836	A	G	-0.158	0.023	0.478	1.17E-11	-0.003	0.002	0.290	0.012	46.004	TRUE	3.20E-11
FVC	CD300A	cg10953317	rs2670824	C	G	-0.343	0.047	0.068	1.66E-13	-0.004	0.004	0.373	0.014	54.342	TRUE	4.76E-13
FVC	CD300A	cg10953317	rs60896143	G	A	0.731	0.021	0.421	1.45E-265	0.005	0.002	0.045	0.247	1211.416	TRUE	7.44E-236
FVC	CD300A	cg10953317	rs61108724	T	C	-0.601	0.104	0.024	8.52E-09	0.001	0.007	0.897	0.009	33.134	TRUE	1.15E-08
FVC	CD300A	cg10953317	rs62087202	A	G	0.503	0.055	0.043	8.31E-20	0.004	0.006	0.445	0.022	82.930	TRUE	3.34E-19
FVC	CD300A	cg10953317	rs9635673	C	A	0.326	0.051	0.069	1.12E-10	0.000	0.005	0.961	0.011	41.581	TRUE	1.53E-10
FVC	CD300A	cg10953317	rs9896870	A	G	0.274	0.025	0.297	4.85E-27	0.002	0.003	0.521	0.030	115.899	TRUE	3.08E-26
FVC	CD300A	cg10953317	rs9897137	T	C	0.189	0.031	0.175	1.33E-09	-0.004	0.003	0.234	0.010	36.749	TRUE	3.42E-09
FVC	CD300A	cg12118246	rs11077746	C	T	0.274	0.038	0.108	3.28E-13	-0.003	0.004	0.376	0.014	53.003	TRUE	9.12E-13
FVC	CD300A	cg12118246	rs11654234	A	G	-0.335	0.047	0.070	6.18E-13	-0.006	0.004	0.193	0.014	51.760	TRUE	2.26E-12
FVC	CD300A	cg12118246	rs117284172	A	G	-0.459	0.060	0.034	1.66E-14	-0.006	0.006	0.335	0.016	58.872	TRUE	5.32E-14
FVC	CD300A	cg12118246	rs117693204	A	G	0.774	0.126	0.021	7.29E-10	0.001	0.010	0.960	0.010	37.921	TRUE	9.75E-10
FVC	CD300A	cg12118246	rs1566836	A	G	-0.200	0.023	0.478	7.30E-18	-0.003	0.002	0.290	0.020	74.093	TRUE	3.20E-17
FVC	CD300A	cg12118246	rs2384811	G	A	0.304	0.024	0.369	2.71E-37	0.000	0.003	0.983	0.042	162.750	TRUE	2.06E-36
FVC	CD300A	cg12118246	rs2670838	G	A	0.811	0.020	0.447	<1E-200	0.005	0.002	0.054	0.313	1688.871	TRUE	<1E-200
FVC	CD300A	cg12118246	rs62063571	T	C	0.135	0.024	0.368	3.55E-08	0.003	0.003	0.261	0.008	30.365	TRUE	7.88E-08
FVC	CD300A	cg12118246	rs62087202	A	G	0.580	0.055	0.043	6.77E-26	0.004	0.006	0.445	0.029	110.672	TRUE	4.37E-25
FVC	CD300A	cg12118246	rs77064723	G	A	-0.306	0.056	0.050	4.38E-08	-0.003	0.005	0.616	0.008	29.959	TRUE	6.95E-08
FVC	CD300A	cg12118246	rs9635673	C	A	0.335	0.051	0.069	3.47E-11	0.000	0.005	0.961	0.012	43.868	TRUE	4.87E-11
FVC	CD300A	cg12118246	rs9897137	T	C	0.228	0.031	0.175	2.26E-13	-0.004	0.003	0.234	0.014	53.735	TRUE	7.80E-13
FVC	CD300A	cg12331932	rs116129038	A	T	0.301	0.054	0.053	3.41E-08	-0.003	0.006	0.608	0.008	30.444	TRUE	5.50E-08
FVC	CD300A	cg12331932	rs117284172	A	G	-0.421	0.060	0.034	1.82E-12	-0.006	0.006	0.335	0.013	49.643	TRUE	5.04E-12
FVC	CD300A	cg12331932	rs117693204	A	G	0.755	0.126	0.021	1.94E-09	0.001	0.010	0.960	0.010	36.013	TRUE	2.55E-09
FVC	CD300A	cg12331932	rs1566836	A	G	-0.213	0.023	0.478	4.78E-20	-0.003	0.002	0.290	0.022	84.024	TRUE	2.49E-19
FVC	CD300A	cg12331932	rs2384811	G	A	0.313	0.024	0.369	1.93E-39	0.000	0.003	0.983	0.045	172.575	TRUE	1.78E-38
FVC	CD300A	cg12331932	rs2670824	C	G	-0.410	0.046	0.068	1.13E-18	-0.004	0.004	0.373	0.021	77.779	TRUE	4.71E-18
FVC	CD300A	cg12331932	rs2670838	G	A	0.859	0.019	0.447	<1E-200	0.005	0.002	0.054	0.346	1953.269	TRUE	<1E-200
FVC	CD300A	cg12331932	rs62087202	A	G	0.555	0.055	0.043	7.88E-24	0.004	0.006	0.445	0.027	101.251	TRUE	4.31E-23
FVC	CD300A	cg12331932	rs67440923	A	G	0.410	0.048	0.062	9.19E-18	-0.006	0.005	0.189	0.020	73.639	TRUE	5.01E-17
FVC	CD300A	cg12331932	rs77064723	G	A	-0.337	0.056	0.050	1.50E-09	-0.003	0.005	0.616	0.010	36.510	TRUE	2.58E-09
FVC	CD300A	cg12331932	rs9635673	C	A	0.367	0.051	0.069	4.13E-13	0.000	0.005	0.961	0.014	52.552	TRUE	6.29E-13
FVC	CD300A	cg12331932	rs9897137	T	C	0.241	0.031	0.175	7.10E-15	-0.004	0.003	0.234	0.016	60.538	TRUE	2.76E-14
FVC	CD300A	cg14018141	rs62087214	G	A	-0.728	0.059	0.036	8.57E-35	0.004	0.006	0.498	0.039	151.318	TRUE	1.11E-33
FVC	CD300A	cg14181940	rs11654234	A	G	-0.448	0.046	0.070	5.15E-22	-0.006	0.004	0.193	0.025	92.982	TRUE	4.05E-21
FVC	CD300A	cg14181940	rs11658358	C	G	0.301	0.024	0.411	2.13E-37	0.000	0.002	0.855	0.042	163.236	TRUE	1.90E-36
FVC	CD300A	cg14181940	rs11658490	A	G	-0.134	0.025	0.368	4.91E-08	-0.001	0.003	0.655	0.008	29.736	TRUE	7.53E-08
FVC	CD300A	cg14181940	rs117284172	A	G	-0.454	0.060	0.034	2.92E-14	-0.006	0.006	0.335	0.015	57.755	TRUE	9.22E-14
FVC	CD300A	cg14181940	rs117693204	A	G	0.772	0.126	0.021	8.02E-10	0.001	0.010	0.960	0.010	37.736	TRUE	1.07E-09
FVC	CD300A	cg14181940	rs1566836	A	G	-0.215	0.023	0.478	2.75E-20	-0.003	0.002	0.290	0.022	85.113	TRUE	1.46E-19
FVC	CD300A	cg14181940	rs2670838	G	A	0.922	0.018	0.447	<1E-200	0.005	0.002	0.054	0.417	2647.009	TRUE	<1E-200
FVC	CD300A	cg14181940	rs74627195	A	G	0.560	0.053	0.048	7.30E-26	-0.006	0.005	0.293	0.029	110.523	TRUE	6.30E-25

FVC	CD300A	cg14181940	rs80227657	C	T	0.483	0.086	0.021	2.02E-08	-0.007	0.008	0.412	0.008	31.455	TRUE	3.90E-08
FVC	CD300A	cg14181940	rs8067337	A	G	-0.135	0.024	0.457	1.66E-08	0.000	0.002	0.866	0.009	31.845	TRUE	2.24E-08
FVC	CD300A	cg14181940	rs8079099	G	C	0.417	0.059	0.079	2.13E-12	0.000	0.005	0.992	0.013	49.337	TRUE	3.05E-12
FVC	CD300A	cg14181940	rs9635673	C	A	0.288	0.051	0.069	1.36E-08	0.000	0.005	0.961	0.009	32.230	TRUE	1.72E-08
FVC	CD300A	cg14181940	rs9897137	T	C	0.260	0.031	0.175	4.52E-17	-0.004	0.003	0.234	0.019	70.499	TRUE	2.09E-16
FVC	CD300A	cg23443627	rs2140252	G	C	-0.214	0.028	0.228	6.19E-14	0.002	0.003	0.515	0.015	56.281	TRUE	1.55E-13
FVC	CD300A	cg23443627	rs62087202	A	G	0.911	0.054	0.043	7.69E-63	0.004	0.006	0.445	0.070	279.801	TRUE	3.03E-60
FVC	CD300A	cg23443627	rs77536782	T	C	-0.880	0.102	0.013	5.13E-18	0.001	0.010	0.893	0.020	74.792	TRUE	1.08E-17
FVC	CD300A	cg24320673	rs2293191	G	T	0.465	0.023	0.417	4.63E-89	0.005	0.002	0.048	0.098	400.130	TRUE	1.16E-83
FVC	CD300A	cg24320673	rs2384811	G	A	0.237	0.024	0.369	5.06E-23	0.000	0.003	0.983	0.026	97.570	TRUE	1.31E-22
FVC	CD300A	cg24320673	rs62084837	A	G	-0.159	0.025	0.323	1.22E-10	-0.002	0.003	0.494	0.011	41.417	TRUE	2.48E-10
FVC	CD300A	cg24320673	rs62087202	A	G	0.828	0.055	0.043	9.49E-52	0.004	0.006	0.445	0.058	228.951	TRUE	8.65E-50
FVC	CD300A	cg24320673	rs72852222	T	C	0.676	0.076	0.028	4.45E-19	-0.005	0.008	0.489	0.021	79.618	TRUE	1.59E-18
FVC	CD300A	cg24320673	rs77536782	T	C	-0.777	0.102	0.013	2.66E-14	0.001	0.010	0.893	0.015	57.937	TRUE	4.61E-14
FVC	CD300A	cg24375215	rs113195316	T	C	-0.965	0.173	0.012	2.20E-08	0.002	0.011	0.870	0.008	31.290	TRUE	2.96E-08
FVC	CD300A	cg24375215	rs117284172	A	G	-0.357	0.060	0.034	2.55E-09	-0.006	0.006	0.335	0.010	35.479	TRUE	5.67E-09
FVC	CD300A	cg24375215	rs117693204	A	G	0.745	0.126	0.021	3.12E-09	0.001	0.010	0.960	0.009	35.086	TRUE	4.07E-09
FVC	CD300A	cg24375215	rs1566836	A	G	-0.192	0.023	0.478	1.40E-16	-0.003	0.002	0.290	0.018	68.270	TRUE	5.55E-16
FVC	CD300A	cg24375215	rs2670824	C	G	-0.304	0.047	0.068	6.47E-11	-0.004	0.004	0.373	0.011	42.649	TRUE	1.55E-10
FVC	CD300A	cg24375215	rs4789065	T	C	0.273	0.025	0.315	8.43E-28	0.002	0.003	0.416	0.031	119.365	TRUE	6.68E-27
FVC	CD300A	cg24375215	rs60896143	G	A	0.772	0.021	0.421	8.32E-302	0.005	0.002	0.045	0.273	1391.894	TRUE	2.15E-267
FVC	CD300A	cg24375215	rs62087202	A	G	0.842	0.055	0.043	1.73E-53	0.004	0.006	0.445	0.060	236.924	TRUE	1.96E-51
FVC	CD300A	cg24375215	rs67440923	A	G	0.329	0.048	0.062	6.13E-12	-0.006	0.005	0.189	0.013	47.261	TRUE	2.06E-11
FVC	CD300A	cg24375215	rs72852222	T	C	0.545	0.076	0.028	7.30E-13	-0.005	0.008	0.489	0.014	51.434	TRUE	1.72E-12
FVC	CD38	cg11207385	rs7674301	A	C	0.161	0.028	0.224	6.38E-09	0.003	0.003	0.309	0.009	33.698	TRUE	1.40E-08
FVC	CD38	cg12580743	rs10939634	G	A	0.219	0.023	0.483	1.07E-21	-0.004	0.002	0.117	0.024	91.536	TRUE	1.06E-20
FVC	CD38	cg12580743	rs13353624	A	G	0.405	0.063	0.037	1.78E-10	-0.005	0.006	0.440	0.011	40.671	TRUE	3.81E-10
FVC	CD38	cg12580743	rs3900588	C	G	0.257	0.034	0.136	1.60E-14	-0.003	0.003	0.416	0.016	58.940	TRUE	4.53E-14
FVC	CD38	cg12580743	rs7654487	A	G	0.136	0.024	0.362	2.30E-08	0.006	0.002	0.020	0.008	31.205	TRUE	1.01E-07
FVC	CD38	cg20931972	rs13434425	C	T	0.583	0.073	0.026	1.26E-15	-0.023	0.007	8.81E-04	0.017	63.945	TRUE	2.62E-14
FVC	CD38	cg20931972	rs4396987	A	C	0.152	0.026	0.292	3.97E-09	0.000	0.003	0.944	0.009	34.622	TRUE	5.24E-09
FVC	CD38	cg20931972	rs6841880	A	T	-0.178	0.026	0.285	4.52E-12	-0.001	0.003	0.692	0.013	47.859	TRUE	8.27E-12
FVC	CD3E	cg08956138	rs28423005	T	C	0.277	0.024	0.340	8.25E-30	0.001	0.003	0.696	0.034	128.540	TRUE	5.03E-29
FVC	CD3E	cg08956138	rs502514	C	T	-0.140	0.025	0.307	2.98E-08	0.000	0.003	0.869	0.008	30.706	TRUE	3.97E-08
FVC	CD3E	cg18085869	rs17613576	T	G	-0.241	0.037	0.110	1.14E-10	-0.001	0.004	0.829	0.011	41.535	TRUE	1.74E-10
FVC	CD3E	cg18085869	rs3759000	C	T	-0.202	0.027	0.241	1.11E-13	-0.005	0.003	0.091	0.015	55.137	TRUE	5.63E-13
FVC	CD3E	cg27354586	rs11216819	G	A	-0.205	0.024	0.444	3.54E-18	-0.001	0.002	0.804	0.020	75.522	TRUE	8.24E-18
FVC	CD3E	cg27354586	rs12273260	T	C	-0.449	0.075	0.026	1.77E-09	-0.009	0.007	0.225	0.010	36.187	TRUE	4.62E-09
FVC	CD3E	cg27354586	rs12419365	A	C	0.326	0.039	0.104	1.12E-16	0.003	0.004	0.460	0.018	68.706	TRUE	3.56E-16
FVC	CD3E	cg27354586	rs12798851	G	T	0.249	0.035	0.136	1.38E-12	0.002	0.004	0.652	0.013	50.187	TRUE	2.73E-12
FVC	CD3E	cg27354586	rs1599810	A	G	-0.726	0.023	0.341	1.07E-214	-0.005	0.003	0.030	0.209	977.494	TRUE	1.34E-193
FVC	CD3E	cg27354586	rs3132893	A	C	0.220	0.036	0.127	1.18E-09	-0.001	0.004	0.752	0.010	36.990	TRUE	1.81E-09

FVC	CD3E	cg27354586	rs374689492	A	G	0.271	0.025	0.333	3.70E-27	-0.002	0.003	0.446	0.031	116.432	TRUE	2.67E-26
FVC	CD3E	cg27354586	rs615144	A	C	-0.240	0.023	0.490	1.54E-24	-0.003	0.002	0.209	0.027	104.487	TRUE	1.42E-23
FVC	CD3E	cg27354586	rs627995	T	C	-0.482	0.047	0.074	1.39E-24	-0.011	0.005	0.020	0.028	104.681	TRUE	3.65E-23
FVC	CDH1	cg01251360	rs113703890	T	C	0.413	0.073	0.058	1.75E-08	-0.004	0.005	0.449	0.009	31.740	TRUE	3.25E-08
FVC	CDH1	cg01251360	rs117768501	T	A	0.559	0.082	0.021	8.24E-12	0.011	0.009	0.188	0.012	46.683	TRUE	2.73E-11
FVC	CDH1	cg01251360	rs117773923	G	C	-0.285	0.043	0.077	5.61E-11	0.005	0.004	0.241	0.011	42.928	TRUE	1.61E-10
FVC	CDH1	cg01251360	rs11861362	G	C	0.218	0.029	0.221	3.74E-14	-0.005	0.003	0.058	0.015	57.269	TRUE	2.23E-13
FVC	CDH1	cg01251360	rs12926010	G	A	0.678	0.022	0.397	1.87E-199	-0.006	0.002	0.012	0.197	907.422	TRUE	2.81E-180
FVC	CDH1	cg01251360	rs146445162	T	A	0.438	0.078	0.028	2.23E-08	-0.007	0.008	0.351	0.008	31.265	TRUE	4.55E-08
FVC	CDH1	cg01251360	rs153045	C	T	-0.139	0.025	0.349	4.81E-08	0.003	0.003	0.171	0.008	29.776	TRUE	1.20E-07
FVC	CDH1	cg01251360	rs33965115	A	G	0.289	0.050	0.056	7.07E-09	-0.012	0.005	0.010	0.009	33.499	TRUE	3.70E-08
FVC	CDH1	cg01251360	rs35628469	A	G	0.241	0.037	0.118	5.05E-11	0.002	0.004	0.689	0.012	43.136	TRUE	8.85E-11
FVC	CDH1	cg01251360	rs55803225	T	C	-0.351	0.028	0.225	8.93E-37	0.005	0.003	0.076	0.042	160.383	TRUE	5.02E-35
FVC	CDH1	cg01251360	rs696589	A	G	0.184	0.024	0.475	1.81E-14	0.000	0.002	0.958	0.016	58.693	TRUE	2.94E-14
FVC	CDH1	cg01251360	rs77649342	A	T	0.445	0.072	0.027	8.03E-10	-0.008	0.007	0.311	0.010	37.732	TRUE	1.90E-09
FVC	CDH1	cg01251360	rs8056633	G	T	-0.182	0.028	0.211	6.74E-11	-0.003	0.003	0.306	0.011	42.570	TRUE	1.75E-10
FVC	CDH1	cg01251360	rs8063605	C	T	0.348	0.035	0.116	5.23E-23	-0.005	0.004	0.146	0.026	97.505	TRUE	5.07E-22
FVC	CDH1	cg01251360	rs9934572	G	A	-0.223	0.030	0.193	9.15E-14	-0.002	0.003	0.490	0.015	55.512	TRUE	2.30E-13
FVC	CDH1	cg01251360	rs9936766	C	T	0.190	0.029	0.213	2.87E-11	0.001	0.003	0.621	0.012	44.242	TRUE	5.36E-11
FVC	CDH1	cg01857829	rs4783676	A	C	0.229	0.024	0.426	2.72E-22	-0.006	0.002	0.019	0.025	94.241	TRUE	5.56E-21
FVC	CDH1	cg04398983	rs4783676	A	C	0.288	0.024	0.426	1.42E-34	-0.006	0.002	0.019	0.039	150.313	TRUE	1.21E-32
FVC	CDH1	cg04398983	rs7202333	C	T	0.155	0.024	0.392	7.99E-11	0.003	0.002	0.176	0.011	42.238	TRUE	2.54E-10
FVC	CDH1	cg04398983	rs8049247	A	C	-0.200	0.034	0.139	3.36E-09	0.000	0.003	0.923	0.009	34.944	TRUE	4.47E-09
FVC	CDH1	cg04398983	rs9936766	C	T	0.167	0.028	0.213	4.19E-09	0.001	0.003	0.621	0.009	34.514	TRUE	6.96E-09
FVC	CDH1	cg05785947	rs1886699	G	T	0.281	0.038	0.105	8.00E-14	-0.002	0.004	0.617	0.015	55.775	TRUE	1.77E-13
FVC	CDH1	cg07762788	rs192253604	A	G	0.332	0.050	0.059	2.05E-11	0.005	0.005	0.359	0.012	44.897	TRUE	5.12E-11
FVC	CDH1	cg08616585	rs8059194	G	A	-0.202	0.024	0.395	2.92E-17	-0.007	0.002	0.004	0.019	71.361	TRUE	5.42E-16
FVC	CDH1	cg09220040	rs118029198	G	T	-0.530	0.065	0.030	2.07E-16	-0.007	0.007	0.279	0.018	67.495	TRUE	8.33E-16
FVC	CDH1	cg09220040	rs16958383	A	G	-0.614	0.032	0.137	3.02E-81	-0.002	0.003	0.654	0.090	364.259	TRUE	1.19E-77
FVC	CDH1	cg09220040	rs3114396	G	A	-0.199	0.027	0.258	1.12E-13	-0.002	0.003	0.431	0.015	55.116	TRUE	2.96E-13
FVC	CDH1	cg09220040	rs7202333	C	T	0.159	0.024	0.392	2.34E-11	0.003	0.002	0.176	0.012	44.639	TRUE	7.78E-11
FVC	CDH1	cg09220040	rs75025381	T	C	-0.194	0.028	0.208	4.15E-12	0.002	0.003	0.406	0.013	48.026	TRUE	1.02E-11
FVC	CDH1	cg09220040	rs79699130	A	G	-0.497	0.064	0.033	9.02E-15	0.006	0.006	0.344	0.016	60.066	TRUE	2.92E-14
FVC	CDH1	cg09220040	rs8049967	A	G	-0.359	0.062	0.036	6.44E-09	-0.003	0.006	0.679	0.009	33.679	TRUE	1.02E-08
FVC	CDH1	cg09406989	rs11861362	G	C	0.205	0.029	0.221	1.20E-12	-0.005	0.003	0.058	0.013	50.466	TRUE	6.15E-12
FVC	CDH1	cg09406989	rs13689	C	T	-0.245	0.030	0.182	2.04E-16	-0.002	0.003	0.452	0.018	67.525	TRUE	6.28E-16
FVC	CDH1	cg09406989	rs146445162	T	A	0.513	0.078	0.028	5.15E-11	-0.007	0.008	0.351	0.012	43.097	TRUE	1.26E-10
FVC	CDH1	cg09406989	rs150699501	T	C	-0.566	0.097	0.014	5.62E-09	0.001	0.010	0.933	0.009	33.944	TRUE	7.38E-09
FVC	CDH1	cg09406989	rs34171206	A	G	0.239	0.024	0.461	3.39E-24	-0.003	0.002	0.200	0.027	102.919	TRUE	3.05E-23
FVC	CDH1	cg09406989	rs72787251	A	G	-0.258	0.044	0.077	3.10E-09	0.005	0.004	0.241	0.009	35.101	TRUE	7.65E-09
FVC	CDH1	cg09406989	rs75158225	A	G	0.506	0.084	0.021	1.48E-09	0.009	0.009	0.287	0.010	36.537	TRUE	3.55E-09
FVC	CDH1	cg09406989	rs77649342	A	T	0.431	0.072	0.027	2.54E-09	-0.008	0.007	0.311	0.010	35.489	TRUE	5.79E-09

FVC	CDH1	cg09406989	rs79777749	A	C	-0.327	0.042	0.082	1.29E-14	0.006	0.004	0.133	0.016	59.369	TRUE	6.15E-14
FVC	CDH1	cg09406989	rs8063605	C	T	0.313	0.035	0.116	6.68E-19	-0.005	0.004	0.146	0.021	78.812	TRUE	4.46E-18
FVC	CDH1	cg09406989	rs9673498	T	C	-0.200	0.029	0.217	4.66E-12	-0.001	0.003	0.711	0.013	47.800	TRUE	8.57E-12
FVC	CDH1	cg13920367	rs10775304	C	T	0.162	0.026	0.295	6.34E-10	0.007	0.003	0.007	0.010	38.195	TRUE	4.03E-09
FVC	CDH1	cg13920367	rs1107074	G	A	-0.251	0.028	0.233	1.13E-19	0.005	0.003	0.079	0.022	82.326	TRUE	1.07E-18
FVC	CDH1	cg13920367	rs11649261	A	G	-0.296	0.024	0.343	4.44E-34	0.005	0.003	0.038	0.038	148.052	TRUE	2.67E-32
FVC	CDH1	cg13920367	rs13332087	C	T	-0.237	0.030	0.193	2.91E-15	-0.002	0.003	0.489	0.017	62.295	TRUE	8.07E-15
FVC	CDH1	cg13920367	rs139478886	G	A	-0.492	0.087	0.014	1.75E-08	0.005	0.008	0.578	0.009	31.740	TRUE	2.93E-08
FVC	CDH1	cg13920367	rs146445162	T	A	0.573	0.078	0.028	2.27E-13	-0.007	0.008	0.351	0.014	53.723	TRUE	6.57E-13
FVC	CDH1	cg13920367	rs148712046	A	G	0.707	0.122	0.024	6.13E-09	-0.007	0.008	0.359	0.009	33.776	TRUE	1.29E-08
FVC	CDH1	cg13920367	rs1812452	C	G	-0.312	0.028	0.218	1.33E-29	-0.003	0.003	0.301	0.033	127.598	TRUE	1.57E-28
FVC	CDH1	cg13920367	rs192891750	G	C	0.471	0.080	0.024	4.26E-09	0.001	0.007	0.908	0.009	34.484	TRUE	5.71E-09
FVC	CDH1	cg13920367	rs33965115	A	G	0.479	0.050	0.056	5.49E-22	-0.012	0.005	0.010	0.024	92.853	TRUE	1.36E-20
FVC	CDH1	cg13920367	rs62057896	A	G	-0.328	0.036	0.109	2.24E-19	-0.003	0.004	0.429	0.021	80.972	TRUE	8.91E-19
FVC	CDH1	cg13920367	rs7184242	A	G	0.719	0.025	0.291	4.48E-187	-0.006	0.003	0.028	0.187	850.508	TRUE	3.77E-170
FVC	CDH1	cg13920367	rs7199649	G	A	-0.337	0.034	0.134	2.80E-23	-0.004	0.004	0.291	0.026	98.745	TRUE	1.93E-22
FVC	CDH1	cg13920367	rs75158225	A	G	0.666	0.084	0.021	1.57E-15	0.009	0.009	0.287	0.017	63.507	TRUE	5.87E-15
FVC	CDH1	cg13920367	rs8055800	T	C	-0.239	0.044	0.078	4.27E-08	-0.004	0.004	0.298	0.008	30.005	TRUE	9.09E-08
FVC	CDH1	cg13920367	rs9783747	G	A	0.244	0.031	0.173	3.03E-15	-0.004	0.003	0.200	0.017	62.215	TRUE	1.31E-14
FVC	CDH1	cg16739895	rs12926010	G	A	0.134	0.024	0.397	1.41E-08	-0.006	0.002	0.012	0.009	32.157	TRUE	6.95E-08
FVC	CDH1	cg17655614	rs11075699	G	A	-0.141	0.023	0.447	1.21E-09	0.007	0.002	0.002	0.010	36.929	TRUE	9.29E-09
FVC	CDH1	cg17655614	rs3912073	G	T	0.315	0.037	0.108	1.93E-17	-0.002	0.004	0.571	0.019	72.180	TRUE	5.56E-17
FVC	CDH1	cg20716119	rs12923775	C	T	0.246	0.024	0.420	2.94E-25	-0.006	0.002	0.019	0.028	107.766	TRUE	8.37E-24
FVC	CDH1	cg23989635	rs11642362	T	C	0.177	0.024	0.424	7.26E-14	-0.006	0.002	0.020	0.015	55.966	TRUE	5.86E-13
FVC	CDH1	cg24765079	rs11075695	C	G	0.548	0.023	0.392	8.60E-125	-0.006	0.002	0.011	0.132	564.246	TRUE	2.24E-115
FVC	CDH1	cg24765079	rs12149862	A	G	0.172	0.031	0.173	2.94E-08	-0.004	0.003	0.254	0.008	30.728	TRUE	6.61E-08
FVC	CDH1	cg24765079	rs34171206	A	G	0.220	0.024	0.461	1.25E-20	-0.003	0.002	0.200	0.023	86.677	TRUE	8.19E-20
FVC	CDH1	cg24765079	rs7200932	G	C	0.220	0.032	0.175	4.59E-12	-0.008	0.003	0.009	0.013	47.831	TRUE	3.71E-11
FVC	CDH1	cg24765079	rs72787251	A	G	-0.266	0.044	0.077	1.15E-09	0.005	0.004	0.241	0.010	37.034	TRUE	2.93E-09
FVC	CDH1	cg24765079	rs75921150	C	A	0.560	0.095	0.017	4.11E-09	0.019	0.010	0.050	0.009	34.553	TRUE	1.57E-08
FVC	CDH1	cg24765079	rs8063605	C	T	0.304	0.035	0.116	7.03E-18	-0.005	0.004	0.146	0.020	74.168	TRUE	4.29E-17
FVC	CDH1	cg24765079	rs9934572	G	A	-0.191	0.030	0.193	1.83E-10	-0.002	0.003	0.490	0.011	40.617	TRUE	3.74E-10
FVC	CDH1	cg26508465	rs13330378	A	G	-0.202	0.026	0.299	3.68E-15	-0.006	0.003	0.031	0.016	61.833	TRUE	3.00E-14
FVC	CDH1	cg26508465	rs74608019	T	C	0.506	0.078	0.020	1.03E-10	0.006	0.008	0.422	0.011	41.739	TRUE	2.27E-10
FVC	CDK5R1	cg06366062	rs149898952	T	C	0.598	0.106	0.015	1.63E-08	-0.003	0.010	0.781	0.009	31.878	TRUE	2.33E-08
FVC	CDK5R1	cg07437263	rs10775410	T	C	-0.219	0.023	0.470	3.89E-21	-0.001	0.002	0.683	0.023	88.981	TRUE	1.28E-20
FVC	CDK5R1	cg07437263	rs12945943	A	T	0.274	0.049	0.125	2.77E-08	0.004	0.003	0.246	0.008	30.847	TRUE	6.29E-08
FVC	CDK5R1	cg07437263	rs17733169	A	G	0.444	0.062	0.065	1.08E-12	0.001	0.005	0.816	0.014	50.669	TRUE	1.83E-12
FVC	CDK5R1	cg07437263	rs2519866	C	T	0.269	0.034	0.290	1.08E-15	0.005	0.003	0.050	0.017	64.244	TRUE	7.82E-15
FVC	CDK5R1	cg07437263	rs7223126	C	A	0.179	0.026	0.298	4.78E-12	-0.001	0.003	0.804	0.013	47.748	TRUE	7.94E-12
FVC	CDK5R1	cg07437263	rs739455	C	G	0.292	0.052	0.057	1.81E-08	0.003	0.006	0.598	0.008	31.671	TRUE	2.98E-08
FVC	CDK5R1	cg07437263	rs76128637	A	G	-0.511	0.051	0.132	8.04E-24	0.002	0.004	0.560	0.027	101.213	TRUE	3.69E-23

FVC	CDK5R1	cg07437263	rs80135683	A	G	-0.210	0.035	0.131	2.28E-09	-0.003	0.004	0.425	0.010	35.697	TRUE	4.62E-09
FVC	CDK5R1	cg07437263	rs9889257	G	C	0.269	0.032	0.173	2.02E-17	0.002	0.003	0.558	0.019	72.087	TRUE	5.88E-17
FVC	CDK5R1	cg10898212	rs80135683	A	G	-0.198	0.035	0.131	1.87E-08	-0.003	0.004	0.425	0.008	31.604	TRUE	3.57E-08
FVC	CDK5R1	cg10898212	rs9899310	C	G	0.608	0.034	0.130	5.77E-70	-0.001	0.004	0.897	0.078	312.486	TRUE	2.29E-67
FVC	CDK5R1	cg12504804	rs11656631	T	C	-0.165	0.023	0.467	9.93E-13	-0.003	0.002	0.155	0.014	50.830	TRUE	3.86E-12
FVC	CDK5R1	cg12504804	rs731880	T	A	0.613	0.034	0.130	3.93E-74	-0.002	0.004	0.675	0.082	331.603	TRUE	4.63E-71
FVC	CDK5R1	cg12504804	rs8080738	G	C	0.173	0.025	0.316	5.37E-12	0.000	0.003	0.870	0.013	47.521	TRUE	8.43E-12
FVC	CDK5R1	cg18473137	rs10775410	T	C	-0.228	0.023	0.470	1.09E-22	-0.001	0.002	0.683	0.025	96.046	TRUE	4.02E-22
FVC	CDK5R1	cg18473137	rs2519866	C	T	0.218	0.034	0.290	8.82E-11	0.005	0.003	0.050	0.011	42.044	TRUE	3.92E-10
FVC	CDK5R1	cg18473137	rs76128637	A	G	-0.454	0.051	0.132	5.13E-19	0.002	0.004	0.560	0.021	79.334	TRUE	1.67E-18
FVC	CDK5R1	cg18473137	rs9889257	G	C	0.190	0.032	0.173	2.28E-09	0.002	0.003	0.558	0.010	35.700	TRUE	4.06E-09
FVC	CDK5R1	cg19634527	rs9333300	T	C	0.896	0.108	0.014	1.08E-16	-0.004	0.010	0.694	0.018	68.776	TRUE	2.60E-16
FVC	CDK5R1	cg19634527	rs9889257	G	C	0.176	0.032	0.173	2.90E-08	0.002	0.003	0.558	0.008	30.756	TRUE	4.86E-08
FVC	CDK5R1	cg21855910	rs10775410	T	C	-0.198	0.023	0.470	1.83E-17	-0.001	0.002	0.683	0.019	72.279	TRUE	4.75E-17
FVC	CDK5R1	cg21855910	rs117117721	T	C	-0.712	0.073	0.023	2.19E-22	0.005	0.007	0.513	0.025	94.674	TRUE	9.67E-22
FVC	CDK5R1	cg22322863	rs62062462	T	C	0.185	0.023	0.478	2.35E-15	0.005	0.002	0.022	0.017	62.713	TRUE	2.10E-14
FVC	CDKN2D	cg04833646	rs10409578	T	C	-0.205	0.034	0.144	1.10E-09	0.000	0.003	0.967	0.010	37.126	TRUE	1.44E-09
FVC	CDKN2D	cg04833646	rs10416139	T	C	-0.281	0.037	0.245	1.45E-14	0.002	0.003	0.432	0.016	59.140	TRUE	4.08E-14
FVC	CDKN2D	cg04833646	rs11085760	C	T	0.590	0.105	0.012	1.84E-08	-0.005	0.011	0.641	0.008	31.637	TRUE	2.93E-08
FVC	CDKN2D	cg04833646	rs12973986	G	A	-0.184	0.028	0.205	9.59E-11	0.000	0.003	0.901	0.011	41.881	TRUE	1.40E-10
FVC	CDKN2D	cg04833646	rs12978228	T	G	1.010	0.028	0.188	9.14E-280	-0.008	0.003	0.006	0.257	1276.725	TRUE	2.47E-246
FVC	CDKN2D	cg04833646	rs12985460	A	T	0.169	0.029	0.209	3.32E-09	-0.005	0.003	0.100	0.009	34.965	TRUE	1.06E-08
FVC	CDKN2D	cg04833646	rs139437835	A	C	0.604	0.107	0.012	1.48E-08	-0.004	0.010	0.728	0.009	32.067	TRUE	2.21E-08
FVC	CDKN2D	cg04833646	rs2278442	G	A	-0.145	0.024	0.362	1.96E-09	0.002	0.002	0.406	0.010	35.989	TRUE	4.07E-09
FVC	CDKN2D	cg04833646	rs45518133	T	C	0.894	0.104	0.014	8.44E-18	0.005	0.010	0.634	0.020	73.808	TRUE	2.32E-17
FVC	CDKN2D	cg04833646	rs4804520	C	T	-0.240	0.024	0.443	1.20E-23	0.011	0.002	5.43E-06	0.026	100.419	TRUE	2.05E-21
FVC	CDKN2D	cg04833646	rs62131901	C	A	0.860	0.087	0.017	7.42E-23	-0.004	0.008	0.628	0.026	96.814	TRUE	2.88E-22
FVC	CDKN2D	cg04833646	rs6511703	C	T	-0.207	0.027	0.240	2.51E-14	0.005	0.003	0.083	0.015	58.055	TRUE	1.39E-13
FVC	CDKN2D	cg04833646	rs73013176	C	T	0.579	0.104	0.013	2.50E-08	-0.015	0.012	0.199	0.008	31.046	TRUE	6.14E-08
FVC	CDKN2D	cg04833646	rs74179931	T	C	0.219	0.028	0.283	8.22E-15	-0.001	0.003	0.693	0.016	60.248	TRUE	1.75E-14
FVC	CDKN2D	cg08312369	rs8105074	C	T	-0.179	0.030	0.180	4.11E-09	-0.007	0.003	0.017	0.009	34.550	TRUE	2.01E-08
FVC	CFLAR	cg08267148	rs10192461	A	G	0.233	0.038	0.090	8.49E-10	-0.002	0.004	0.602	0.010	37.623	TRUE	1.49E-09
FVC	CFLAR	cg08267148	rs115353050	T	C	-0.250	0.042	0.081	2.93E-09	-0.004	0.004	0.419	0.009	35.213	TRUE	5.86E-09
FVC	CFLAR	cg08267148	rs12620010	G	T	-0.130	0.024	0.494	2.97E-08	0.002	0.002	0.347	0.008	30.711	TRUE	5.95E-08
FVC	CFLAR	cg08267148	rs6755945	A	T	0.198	0.030	0.168	7.37E-11	-0.006	0.003	0.047	0.011	42.396	TRUE	3.46E-10
FVC	CFLAR	cg13311930	rs67917463	T	C	-0.181	0.029	0.215	3.20E-10	-0.002	0.003	0.501	0.011	39.529	TRUE	6.26E-10
FVC	CFLAR	cg13368983	rs1002414	T	G	-0.180	0.026	0.278	6.51E-12	0.000	0.003	0.991	0.013	47.144	TRUE	9.15E-12
FVC	CFLAR	cg13368983	rs12613347	T	C	-0.217	0.028	0.230	2.08E-14	-0.003	0.003	0.232	0.016	58.427	TRUE	7.93E-14
FVC	CFLAR	cg13368983	rs12620435	G	A	1.473	0.032	0.099	<1E-200	0.003	0.004	0.504	0.360	2078.371	TRUE	<1E-200
FVC	CFLAR	cg13368983	rs12987876	A	G	-0.228	0.041	0.170	3.12E-08	0.000	0.003	0.974	0.008	30.617	TRUE	3.87E-08
FVC	CFLAR	cg13368983	rs13029511	T	C	0.334	0.024	0.363	3.38E-43	0.005	0.003	0.060	0.049	189.777	TRUE	4.61E-41
FVC	CFLAR	cg13368983	rs13420006	G	T	0.154	0.024	0.373	3.38E-10	-0.005	0.003	0.040	0.011	39.423	TRUE	1.51E-09

FVC	CFLAR	cg13368983	rs150638321	A	G	-0.915	0.092	0.017	2.78E-23	-0.019	0.009	0.038	0.026	98.756	TRUE	4.93E-22
FVC	CFLAR	cg13368983	rs16835334	C	G	0.393	0.063	0.033	4.31E-10	0.004	0.006	0.518	0.010	38.947	TRUE	8.35E-10
FVC	CFLAR	cg13368983	rs188535859	T	C	1.121	0.143	0.013	5.19E-15	-0.002	0.009	0.792	0.016	61.155	TRUE	1.02E-14
FVC	CFLAR	cg13368983	rs2348117	G	T	0.560	0.038	0.108	1.64E-49	0.003	0.004	0.442	0.056	218.695	TRUE	1.14E-47
FVC	CFLAR	cg13368983	rs2348128	A	G	0.533	0.038	0.105	2.71E-44	0.004	0.004	0.323	0.050	194.794	TRUE	1.36E-42
FVC	CFLAR	cg13368983	rs542974956	T	G	1.121	0.087	0.016	5.20E-38	0.011	0.008	0.202	0.043	166.034	TRUE	1.92E-36
FVC	CFLAR	cg13368983	rs55902839	A	C	-0.152	0.024	0.463	1.28E-10	-0.003	0.002	0.296	0.011	41.322	TRUE	3.25E-10
FVC	CFLAR	cg13368983	rs6743474	T	C	0.139	0.024	0.426	6.45E-09	0.001	0.003	0.684	0.009	33.677	TRUE	1.01E-08
FVC	CFLAR	cg13368983	rs79053638	C	T	1.140	0.052	0.052	1.44E-104	0.003	0.005	0.615	0.113	471.337	TRUE	4.64E-99
FVC	CFLAR	cg14151166	rs74764677	G	A	0.369	0.065	0.032	1.71E-08	0.009	0.007	0.196	0.009	31.778	TRUE	4.27E-08
FVC	CFLAR	cg23681745	rs12465952	G	A	-0.189	0.029	0.193	1.25E-10	0.003	0.003	0.249	0.011	41.365	TRUE	3.37E-10
FVC	CFLAR	cg25051278	rs13408294	G	C	-0.227	0.040	0.098	1.27E-08	0.009	0.004	0.030	0.009	32.354	TRUE	5.17E-08
FVC	CFLAR	cg25051278	rs150638321	A	G	1.317	0.090	0.017	8.16E-49	-0.019	0.009	0.038	0.055	215.504	TRUE	3.14E-46
FVC	CFLAR	cg25051278	rs41359253	A	G	0.159	0.029	0.212	2.91E-08	-0.003	0.003	0.339	0.008	30.750	TRUE	5.99E-08
FVC	CFLAR	cg25051278	rs6712963	A	G	-0.236	0.032	0.150	3.65E-13	-0.001	0.003	0.727	0.014	52.796	TRUE	6.83E-13
FVC	CHGA	cg00813752	rs1740593	A	G	-0.187	0.026	0.290	3.49E-13	0.002	0.003	0.398	0.014	52.883	TRUE	9.36E-13
FVC	CHGA	cg00813752	rs4905009	T	A	-0.522	0.028	0.230	5.42E-80	0.006	0.003	0.033	0.088	358.501	TRUE	3.23E-75
FVC	CHGA	cg00813752	rs76864329	A	G	-0.385	0.069	0.029	2.11E-08	0.009	0.007	0.178	0.008	31.369	TRUE	5.40E-08
FVC	CHGA	cg00813752	rs9658638	T	C	0.244	0.032	0.163	1.40E-14	-0.003	0.003	0.348	0.016	59.196	TRUE	4.44E-14
FVC	CHGA	cg01901466	rs2402224	T	C	0.192	0.024	0.491	3.74E-16	-0.004	0.002	0.098	0.018	66.332	TRUE	2.26E-15
FVC	CHGA	cg02327501	rs140723329	A	G	0.312	0.053	0.046	5.17E-09	-0.004	0.006	0.475	0.009	34.106	TRUE	9.77E-09
FVC	CHGA	cg02327501	rs750678	G	A	-0.168	0.024	0.370	3.37E-12	-0.001	0.003	0.693	0.013	48.433	TRUE	6.28E-12
FVC	CHGA	cg02327501	rs9658638	T	C	0.316	0.031	0.163	3.25E-24	-0.003	0.003	0.348	0.027	103.005	TRUE	2.17E-23
FVC	CHGA	cg10166151	rs2402224	T	C	0.246	0.023	0.491	4.55E-26	-0.004	0.002	0.098	0.029	111.459	TRUE	7.05E-25
FVC	CHGA	cg15480367	rs2295396	C	T	-0.158	0.028	0.232	1.02E-08	-0.001	0.003	0.851	0.009	32.793	TRUE	1.40E-08
FVC	CHGA	cg16290737	rs11160097	T	C	0.183	0.031	0.190	2.07E-09	-0.008	0.003	0.011	0.010	35.890	TRUE	1.10E-08
FVC	CHGA	cg16290737	rs1740593	A	G	-0.183	0.026	0.290	1.13E-12	0.002	0.003	0.398	0.013	50.578	TRUE	2.93E-12
FVC	CHGA	cg16290737	rs45585434	T	C	0.280	0.045	0.074	3.47E-10	-0.005	0.004	0.287	0.011	39.370	TRUE	8.71E-10
FVC	CHGA	cg16290737	rs4905009	T	A	-0.663	0.027	0.230	2.00E-131	0.006	0.003	0.033	0.139	594.723	TRUE	9.81E-122
FVC	CHGA	cg16290737	rs9658638	T	C	0.308	0.032	0.163	2.41E-22	-0.003	0.003	0.348	0.025	94.480	TRUE	1.38E-21
FVC	CHGA	cg18397726	rs12436684	G	C	-0.182	0.031	0.187	7.21E-09	0.002	0.003	0.517	0.009	33.458	TRUE	1.31E-08
FVC	CHGA	cg18397726	rs144938064	A	G	-2.190	0.132	0.017	2.86E-62	0.007	0.008	0.403	0.070	277.181	TRUE	1.16E-59
FVC	CHGA	cg18397726	rs79701852	A	G	-0.450	0.080	0.022	2.09E-08	0.009	0.008	0.267	0.008	31.395	TRUE	4.67E-08
FVC	CHGA	cg23013853	rs11160097	T	C	0.236	0.030	0.190	9.27E-15	-0.008	0.003	0.011	0.016	60.013	TRUE	9.21E-14
FVC	CHGA	cg23013853	rs114869373	C	T	0.370	0.028	0.231	1.39E-40	-0.001	0.003	0.753	0.046	177.803	TRUE	2.04E-39
FVC	CHGA	cg23013853	rs1740593	A	G	-0.239	0.026	0.290	1.28E-20	0.002	0.003	0.398	0.023	86.621	TRUE	5.89E-20
FVC	CHGA	cg23013853	rs2281516	C	T	0.196	0.025	0.319	7.39E-15	0.001	0.003	0.719	0.016	60.458	TRUE	1.53E-14
FVC	CHGA	cg23013853	rs36071367	C	G	0.190	0.029	0.215	3.87E-11	0.000	0.003	0.918	0.012	43.656	TRUE	5.63E-11
FVC	CHGA	cg23013853	rs7159323	A	C	-0.713	0.027	0.228	1.09E-152	0.006	0.003	0.026	0.158	692.440	TRUE	2.24E-140
FVC	CHGA	cg23013853	rs77927883	G	C	-0.499	0.060	0.042	1.05E-16	0.004	0.006	0.483	0.018	68.843	TRUE	3.19E-16
FVC	CHGA	cg23013853	rs941541	A	G	-0.293	0.053	0.046	3.37E-08	0.009	0.005	0.072	0.008	30.465	TRUE	1.07E-07
FVC	CHMP4B	cg03355213	rs11696793	T	C	-0.190	0.026	0.258	5.47E-13	0.006	0.003	0.021	0.014	52.000	TRUE	4.04E-12

FVC	CHMP4B	cg03355213	rs117119427	T	C	-0.389	0.040	0.081	1.68E-22	0.014	0.004	4.27E-04	0.025	95.200	TRUE	1.03E-20
FVC	CHMP4B	cg03355213	rs117515689	T	C	0.488	0.077	0.024	2.64E-10	0.006	0.007	0.417	0.011	39.902	TRUE	5.71E-10
FVC	CHMP4B	cg03355213	rs12625272	G	C	0.256	0.041	0.093	3.30E-10	-0.006	0.004	0.176	0.011	39.468	TRUE	9.91E-10
FVC	CHMP4B	cg03355213	rs13042412	G	A	0.476	0.052	0.056	1.28E-19	-0.004	0.005	0.443	0.022	82.075	TRUE	5.08E-19
FVC	CHMP4B	cg03355213	rs13044031	C	A	-0.328	0.051	0.055	1.50E-10	-0.021	0.005	5.65E-05	0.011	41.009	TRUE	2.24E-09
FVC	CHMP4B	cg03355213	rs142163191	G	T	0.306	0.050	0.054	1.37E-09	0.000	0.005	0.970	0.010	36.692	TRUE	1.80E-09
FVC	CHMP4B	cg03355213	rs147642147	T	C	-0.350	0.049	0.073	1.26E-12	0.007	0.005	0.170	0.013	50.359	TRUE	4.69E-12
FVC	CHMP4B	cg03355213	rs17091470	G	T	0.365	0.046	0.075	3.40E-15	-0.011	0.005	0.016	0.016	61.987	TRUE	3.34E-14
FVC	CHMP4B	cg03355213	rs17124619	A	G	0.326	0.028	0.216	1.58E-30	0.002	0.003	0.431	0.034	131.822	TRUE	1.51E-29
FVC	CHMP4B	cg03355213	rs6057927	A	G	0.259	0.028	0.238	1.96E-20	-0.002	0.003	0.552	0.023	85.789	TRUE	7.08E-20
FVC	CHMP4B	cg03355213	rs6087477	C	T	0.208	0.024	0.404	1.83E-18	-0.003	0.002	0.274	0.020	76.823	TRUE	9.01E-18
FVC	CHMP4B	cg03355213	rs6087526	C	A	0.903	0.018	0.448	<1E-200	-0.007	0.002	0.002	0.396	2428.091	TRUE	<1E-200
FVC	CHMP4B	cg03355213	rs61096088	C	T	0.461	0.041	0.083	9.27E-29	-0.015	0.004	3.83E-04	0.032	123.744	TRUE	1.36E-26
FVC	CHMP4B	cg03355213	rs62209606	A	G	-0.515	0.094	0.036	4.47E-08	0.019	0.007	0.006	0.008	29.916	TRUE	2.31E-07
FVC	CHMP4B	cg03355213	rs77790403	A	G	0.465	0.084	0.022	3.23E-08	-0.002	0.009	0.788	0.008	30.546	TRUE	4.56E-08
FVC	CHMP4B	cg03864128	rs112310554	G	A	0.214	0.031	0.167	8.76E-12	0.007	0.003	0.035	0.012	46.564	TRUE	4.90E-11
FVC	CHMP4B	cg03864128	rs117763311	T	C	0.439	0.079	0.021	3.19E-08	-0.009	0.008	0.278	0.008	30.570	TRUE	6.98E-08
FVC	CHMP4B	cg03864128	rs117879275	C	A	0.542	0.091	0.015	2.15E-09	0.010	0.008	0.205	0.010	35.816	TRUE	5.71E-09
FVC	CHMP4B	cg03864128	rs13042412	G	A	0.481	0.053	0.056	5.32E-20	-0.004	0.005	0.443	0.022	83.812	TRUE	2.17E-19
FVC	CHMP4B	cg03864128	rs13044031	C	A	-0.284	0.051	0.055	2.90E-08	-0.021	0.005	5.65E-05	0.008	30.759	TRUE	2.91E-07
FVC	CHMP4B	cg03864128	rs147642147	T	C	-0.385	0.049	0.073	5.84E-15	0.007	0.005	0.170	0.016	60.922	TRUE	2.64E-14
FVC	CHMP4B	cg03864128	rs2092477	T	C	0.285	0.024	0.396	1.99E-32	0.002	0.003	0.373	0.037	140.498	TRUE	2.59E-31
FVC	CHMP4B	cg03864128	rs2747564	A	G	0.402	0.065	0.065	7.04E-10	0.001	0.005	0.897	0.010	37.988	TRUE	9.83E-10
FVC	CHMP4B	cg03864128	rs3213180	C	G	-0.382	0.037	0.096	6.30E-25	0.010	0.004	0.007	0.028	106.256	TRUE	2.42E-23
FVC	CHMP4B	cg03864128	rs6057927	A	G	0.229	0.028	0.238	3.17E-16	-0.002	0.003	0.552	0.018	66.659	TRUE	8.63E-16
FVC	CHMP4B	cg03864128	rs6059214	C	A	-0.176	0.026	0.261	1.66E-11	0.006	0.003	0.023	0.012	45.309	TRUE	1.01E-10
FVC	CHMP4B	cg03864128	rs6087526	C	A	0.863	0.020	0.448	<1E-200	-0.007	0.002	0.002	0.344	1940.912	TRUE	<1E-200
FVC	CHMP4B	cg03864128	rs6087561	C	T	0.309	0.040	0.098	8.58E-15	-0.005	0.004	0.270	0.016	60.165	TRUE	3.15E-14
FVC	CHMP4B	cg03864128	rs6088177	G	A	0.185	0.024	0.403	6.24E-15	-0.003	0.002	0.194	0.016	60.793	TRUE	2.63E-14
FVC	CHMP4B	cg03864128	rs6088253	G	T	0.788	0.131	0.017	2.00E-09	0.000	0.008	0.977	0.010	35.955	TRUE	2.59E-09
FVC	CHMP4B	cg03864128	rs6088323	T	A	0.577	0.041	0.083	7.44E-45	-0.014	0.004	8.39E-04	0.051	197.364	TRUE	8.86E-42
FVC	CHMP4B	cg03864128	rs6088372	T	C	-0.386	0.032	0.137	1.05E-33	0.012	0.003	2.57E-04	0.038	146.340	TRUE	3.71E-31
FVC	CHMP4B	cg03864128	rs73906399	T	A	0.305	0.028	0.216	9.57E-27	0.002	0.003	0.465	0.030	114.551	TRUE	6.37E-26
FVC	CHMP4B	cg26347170	rs13042148	T	C	-0.204	0.033	0.154	6.53E-10	-0.013	0.003	1.07E-04	0.010	38.137	TRUE	8.31E-09
FVC	CHMP4B	cg26347170	rs293728	C	T	-0.162	0.029	0.216	1.40E-08	0.002	0.003	0.446	0.009	32.168	TRUE	2.63E-08
FVC	CHMP4B	cg26347170	rs6057815	G	T	0.140	0.025	0.330	1.57E-08	0.005	0.003	0.031	0.009	31.948	TRUE	6.28E-08
FVC	CHMP4B	cg26347170	rs6088323	T	A	-0.271	0.041	0.083	4.56E-11	-0.014	0.004	8.39E-04	0.012	43.334	TRUE	4.97E-10
FVC	CHMP7	cg09098025	rs10866821	G	T	-0.186	0.026	0.439	5.16E-13	-0.005	0.002	0.037	0.014	52.113	TRUE	3.11E-12
FVC	CHMP7	cg09098025	rs7013128	A	G	-0.188	0.033	0.170	9.93E-09	-0.004	0.003	0.166	0.009	32.836	TRUE	2.70E-08
FVC	CHMP7	cg09098025	rs7845631	A	G	0.226	0.038	0.137	2.89E-09	0.004	0.004	0.238	0.009	35.235	TRUE	7.31E-09
FVC	CHMP7	cg10977890	rs11135712	T	C	-0.178	0.026	0.406	3.80E-12	0.003	0.002	0.216	0.013	48.200	TRUE	1.24E-11
FVC	CHMP7	cg14349055	rs11135722	A	G	0.203	0.025	0.480	1.19E-15	-0.007	0.002	0.003	0.017	64.053	TRUE	1.99E-14

FVC	CHMP7	cg14349055	rs11780345	C	T	-0.373	0.027	0.346	7.93E-45	0.000	0.003	0.924	0.051	197.239	TRUE	1.29E-43
FVC	CHMP7	cg14349055	rs11994095	T	C	0.547	0.095	0.016	8.91E-09	0.009	0.008	0.273	0.009	33.049	TRUE	2.04E-08
FVC	CHMP7	cg14349055	rs12546076	A	G	-0.520	0.054	0.051	9.23E-22	-0.003	0.005	0.616	0.024	91.827	TRUE	3.37E-21
FVC	CHMP7	cg14349055	rs12678953	A	T	0.559	0.033	0.165	1.80E-65	0.001	0.003	0.877	0.073	291.869	TRUE	3.91E-63
FVC	CHMP7	cg14349055	rs13257811	C	T	-0.288	0.025	0.439	1.92E-30	-0.001	0.002	0.801	0.034	131.439	TRUE	1.04E-29
FVC	CHMP7	cg14349055	rs13268919	A	G	-1.081	0.018	0.375	<1E-200	0.003	0.002	0.212	0.491	3569.186	TRUE	<1E-200
FVC	CHMP7	cg14349055	rs35592234	C	T	0.484	0.053	0.054	3.92E-20	-0.009	0.005	0.052	0.022	84.415	TRUE	4.55E-19
FVC	CHMP7	cg14349055	rs3802240	T	C	-0.525	0.071	0.029	1.58E-13	-0.006	0.006	0.340	0.015	54.442	TRUE	4.66E-13
FVC	CHMP7	cg14349055	rs4871873	T	G	-0.293	0.051	0.064	9.91E-09	0.002	0.005	0.683	0.009	32.841	TRUE	1.56E-08
FVC	CHMP7	cg14349055	rs4872103	T	C	0.236	0.030	0.221	3.82E-15	-0.003	0.003	0.314	0.016	61.760	TRUE	1.35E-14
FVC	CHMP7	cg14349055	rs62501135	A	G	0.437	0.031	0.195	3.67E-46	-0.005	0.003	0.080	0.052	203.350	TRUE	6.56E-44
FVC	CHMP7	cg14349055	rs6557648	C	T	0.313	0.041	0.284	1.45E-14	0.001	0.003	0.786	0.016	59.137	TRUE	2.79E-14
FVC	CHMP7	cg14349055	rs66470019	G	A	0.393	0.035	0.169	5.54E-30	0.006	0.003	0.055	0.034	129.333	TRUE	1.73E-28
FVC	CHMP7	cg14349055	rs7464232	A	G	0.536	0.034	0.175	2.36E-57	0.003	0.003	0.292	0.064	254.642	TRUE	6.90E-55
FVC	CHMP7	cg16142218	rs13278062	G	T	-0.332	0.025	0.454	1.15E-39	-0.004	0.002	0.094	0.045	173.603	TRUE	8.51E-38
FVC	CHMP7	cg16142218	rs4242396	A	G	0.537	0.034	0.175	1.62E-57	0.003	0.003	0.278	0.065	255.389	TRUE	4.85E-55
FVC	CHMP7	cg16142218	rs7843050	T	C	0.203	0.035	0.165	6.44E-09	0.006	0.003	0.054	0.009	33.678	TRUE	2.38E-08
FVC	CHMP7	cg16193207	rs113965127	G	A	0.179	0.033	0.180	3.85E-08	0.000	0.003	0.977	0.008	30.209	TRUE	4.77E-08
FVC	CHMP7	cg22708902	rs13250183	C	T	0.155	0.025	0.439	1.05E-09	0.002	0.002	0.529	0.010	37.206	TRUE	1.96E-09
FVC	CHMP7	cg22708902	rs193285754	T	G	0.796	0.087	0.017	4.53E-20	0.013	0.007	0.073	0.022	84.131	TRUE	4.54E-19
FVC	CHMP7	cg22708902	rs3808528	A	G	-0.170	0.027	0.353	1.54E-10	-0.006	0.002	0.019	0.011	40.951	TRUE	8.78E-10
FVC	CHMP7	cg22708902	rs4295671	C	T	0.270	0.026	0.500	5.76E-26	0.002	0.002	0.309	0.029	110.994	TRUE	4.95E-25
FVC	CHMP7	cg22708902	rs4872093	T	A	1.164	0.030	0.155	<1E-200	0.001	0.003	0.756	0.285	1473.272	TRUE	6.64E-284
FVC	CHMP7	cg22708902	rs73228214	T	C	0.392	0.066	0.089	2.98E-09	0.006	0.004	0.187	0.009	35.177	TRUE	7.97E-09
FVC	CHMP7	cg22708902	rs7843050	T	C	0.445	0.035	0.165	5.06E-38	0.006	0.003	0.054	0.043	166.089	TRUE	4.12E-36
FVC	CHMP7	cg22708902	rs79288802	G	C	0.642	0.101	0.030	1.92E-10	-0.010	0.007	0.139	0.011	40.524	TRUE	6.30E-10
FVC	CHMP7	cg22708902	rs9693464	C	T	0.200	0.030	0.225	2.23E-11	-0.003	0.003	0.321	0.012	44.735	TRUE	5.71E-11
FVC	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	0.001	0.002	0.814	0.014	51.673	TRUE	1.14E-12
FVC	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	0.002	0.003	0.437	0.014	52.012	TRUE	1.39E-12
FVC	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	-0.011	0.006	0.051	0.014	52.555	TRUE	2.35E-12
FVC	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	0.002	0.006	0.758	0.009	32.855	TRUE	1.45E-08
FVC	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	0.003	0.002	0.196	0.016	59.196	TRUE	5.75E-14
FVC	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	-0.009	0.005	0.049	0.330	1817.779	TRUE	<1E-200
FVC	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	-0.004	0.002	0.078	0.023	88.968	TRUE	4.19E-20
FVC	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	-0.005	0.003	0.031	0.028	106.985	TRUE	9.90E-24
FVC	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	0.001	0.003	0.809	0.011	39.531	TRUE	4.89E-10
FVC	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	0.004	0.007	0.535	0.017	65.776	TRUE	1.36E-15
FVC	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	0.009	0.009	0.319	0.017	64.538	TRUE	3.36E-15
FVC	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	0.004	0.003	0.124	0.019	72.841	TRUE	8.70E-17
FVC	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	0.004	0.003	0.129	0.011	41.726	TRUE	3.57E-10
FVC	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	-0.005	0.003	0.052	0.028	106.434	TRUE	1.11E-23
FVC	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	0.001	0.002	0.704	0.075	299.324	TRUE	1.65E-64

FVC	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	0.002	0.004	0.623	0.161	707.670	TRUE	4.12E-145
FVC	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	0.003	0.010	0.772	0.014	51.405	TRUE	1.33E-12
FVC	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	-0.004	0.003	0.185	0.009	32.640	TRUE	2.82E-08
FVC	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	0.000	0.004	0.945	0.018	66.076	TRUE	7.57E-16
FVC	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	0.002	0.002	0.350	0.019	73.132	TRUE	4.63E-17
FVC	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	-0.011	0.006	0.051	0.014	52.740	TRUE	2.15E-12
FVC	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	-0.002	0.002	0.386	0.012	45.917	TRUE	3.00E-11
FVC	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	-0.003	0.003	0.365	0.030	112.666	TRUE	1.91E-25
FVC	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	-0.009	0.005	0.049	0.066	261.606	TRUE	1.03E-55
FVC	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	0.001	0.003	0.814	0.015	56.091	TRUE	1.23E-13
FVC	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	0.003	0.002	0.271	0.014	54.032	TRUE	6.27E-13
FVC	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	-0.002	0.002	0.327	0.019	73.015	TRUE	5.24E-17
FVC	CLEC16A	cg02101434	rs248829	G	C	0.188	0.025	0.357	2.32E-14	0.000	0.003	0.869	0.015	58.209	TRUE	4.08E-14
FVC	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	-0.001	0.004	0.859	0.076	302.166	TRUE	3.07E-65
FVC	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	0.003	0.004	0.442	0.009	33.983	TRUE	1.07E-08
FVC	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	-0.001	0.003	0.786	0.011	40.350	TRUE	3.30E-10
FVC	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	0.003	0.003	0.284	0.014	52.354	TRUE	1.43E-12
FVC	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	-0.003	0.003	0.270	0.011	40.126	TRUE	6.11E-10
FVC	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	0.006	0.002	0.020	0.072	288.915	TRUE	5.36E-61
FVC	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	0.012	0.009	0.163	0.009	32.086	TRUE	3.88E-08
FVC	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	-0.002	0.003	0.523	0.011	41.593	TRUE	2.24E-10
FVC	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	-0.012	0.005	0.026	0.011	41.041	TRUE	7.69E-10
FVC	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	-0.028	0.009	0.002	0.012	43.128	TRUE	4.60E-10
FVC	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	-0.002	0.003	0.605	0.022	84.691	TRUE	1.15E-19
FVC	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	0.006	0.007	0.435	0.016	61.438	TRUE	1.31E-14
FVC	CLEC16A	cg05080940	rs12598008	G	C	-0.800	0.021	0.410	<1E-200	0.000	0.002	0.911	0.285	1476.860	TRUE	8.71E-285
FVC	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	0.000	0.003	0.945	0.082	331.161	TRUE	3.20E-71
FVC	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	0.014	0.007	0.037	0.033	126.080	TRUE	9.86E-28
FVC	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	-0.004	0.005	0.392	0.055	217.234	TRUE	2.56E-47
FVC	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	0.002	0.002	0.313	0.016	60.667	TRUE	2.25E-14
FVC	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	0.002	0.003	0.495	0.019	71.819	TRUE	7.12E-17
FVC	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	-0.003	0.003	0.259	0.009	32.295	TRUE	2.99E-08
FVC	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	0.002	0.002	0.371	0.013	48.377	TRUE	9.12E-12
FVC	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	-0.004	0.007	0.603	0.010	37.194	TRUE	1.86E-09
FVC	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	-0.001	0.002	0.808	0.065	257.463	TRUE	5.31E-56
FVC	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	-0.002	0.003	0.539	0.048	188.382	TRUE	1.80E-41
FVC	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	0.000	0.004	0.943	0.064	251.330	TRUE	7.57E-55
FVC	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	0.001	0.002	0.610	0.036	137.835	TRUE	6.16E-31
FVC	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	-0.004	0.005	0.440	0.012	43.796	TRUE	8.05E-11
FVC	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	0.010	0.004	0.018	0.013	47.342	TRUE	3.99E-11
FVC	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	0.003	0.010	0.772	0.009	32.445	TRUE	1.78E-08
FVC	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	0.011	0.005	0.025	0.025	96.102	TRUE	2.07E-21

FVC	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	0.001	0.003	0.828	0.025	96.297	TRUE	2.92E-22
FVC	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	-0.003	0.002	0.161	0.118	494.295	TRUE	8.02E-103
FVC	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	-0.009	0.004	0.015	0.034	129.354	TRUE	2.93E-28
FVC	CLEC16A	cg07486170	rs9937173	C	G	-0.144	0.025	0.338	4.09E-09	-0.003	0.003	0.309	0.009	34.562	TRUE	9.12E-09
FVC	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	0.002	0.003	0.560	0.017	62.213	TRUE	7.65E-15
FVC	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	0.001	0.004	0.864	0.053	205.610	TRUE	2.60E-45
FVC	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	0.009	0.003	0.001	0.029	112.295	TRUE	2.44E-24
FVC	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	0.004	0.007	0.535	0.011	39.870	TRUE	5.16E-10
FVC	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	0.009	0.009	0.319	0.013	50.367	TRUE	3.61E-12
FVC	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	0.002	0.003	0.422	0.014	50.897	TRUE	2.40E-12
FVC	CLEC16A	cg10468236	rs7185202	C	G	0.142	0.024	0.412	4.06E-09	-0.002	0.002	0.518	0.009	34.577	TRUE	7.31E-09
FVC	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	0.003	0.010	0.772	0.009	34.738	TRUE	5.59E-09
FVC	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	0.001	0.004	0.794	0.082	329.037	TRUE	1.17E-70
FVC	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	-0.012	0.005	0.009	0.015	56.577	TRUE	5.26E-13
FVC	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	0.002	0.003	0.441	0.009	34.069	TRUE	1.03E-08
FVC	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	-0.001	0.004	0.859	0.012	45.951	TRUE	1.86E-11
FVC	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	0.014	0.007	0.037	0.065	257.083	TRUE	9.96E-55
FVC	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	0.003	0.002	0.198	0.034	129.413	TRUE	8.60E-29
FVC	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	-0.008	0.005	0.080	0.010	36.745	TRUE	4.72E-09
FVC	CLNK	cg03254067	rs13136927	A	C	0.131	0.024	0.443	3.39E-08	0.003	0.002	0.282	0.008	30.453	TRUE	7.41E-08
FVC	CLNK	cg03254067	rs6856210	G	A	0.273	0.035	0.137	2.73E-15	0.000	0.004	0.943	0.017	62.421	TRUE	4.65E-15
FVC	CLNK	cg03485217	rs35062675	A	C	-0.269	0.024	0.351	2.08E-28	-0.005	0.002	0.049	0.032	122.139	TRUE	6.03E-27
FVC	CLNK	cg03485217	rs3924635	A	C	0.230	0.025	0.320	9.34E-20	0.003	0.003	0.181	0.022	82.699	TRUE	6.04E-19
FVC	CLNK	cg03485217	rs75490166	C	G	-0.406	0.068	0.063	2.43E-09	-0.004	0.005	0.473	0.010	35.573	TRUE	4.68E-09
FVC	CLNK	cg06628679	rs16870534	G	A	-0.301	0.033	0.149	8.84E-20	-0.002	0.003	0.464	0.022	82.809	TRUE	3.43E-19
FVC	CLNK	cg06628679	rs4697807	C	G	0.154	0.024	0.413	5.47E-11	0.003	0.002	0.249	0.011	42.978	TRUE	1.51E-10
FVC	CLNK	cg10242279	rs113173921	G	T	-0.578	0.087	0.014	3.74E-11	0.007	0.009	0.451	0.012	43.721	TRUE	8.27E-11
FVC	CLNK	cg10242279	rs116331752	T	C	-0.668	0.107	0.011	4.78E-10	-0.006	0.010	0.523	0.010	38.744	TRUE	9.18E-10
FVC	CLNK	cg10242279	rs13144136	T	G	0.291	0.025	0.322	3.64E-31	0.004	0.003	0.142	0.035	134.733	TRUE	7.78E-30
FVC	CLNK	cg10242279	rs141037145	A	G	-0.414	0.072	0.028	8.60E-09	-0.006	0.007	0.432	0.009	33.117	TRUE	1.66E-08
FVC	CLNK	cg10242279	rs34154140	A	C	-0.286	0.035	0.120	5.18E-16	0.001	0.004	0.749	0.017	65.693	TRUE	1.12E-15
FVC	CLNK	cg10242279	rs4352469	G	A	-0.740	0.030	0.164	8.99E-131	0.002	0.003	0.600	0.138	591.727	TRUE	1.07E-122
FVC	CLNK	cg10242279	rs5000857	A	G	-0.217	0.027	0.251	2.72E-15	0.007	0.003	0.015	0.017	62.428	TRUE	2.79E-14
FVC	CLNK	cg10242279	rs6828818	G	T	0.274	0.024	0.345	2.93E-29	-0.004	0.003	0.072	0.033	126.026	TRUE	7.24E-28
FVC	CLNK	cg10242279	rs74745969	C	T	-0.426	0.072	0.027	2.59E-09	0.013	0.007	0.061	0.009	35.449	TRUE	9.69E-09
FVC	CLNK	cg10841253	rs10030578	A	G	-0.254	0.024	0.421	5.80E-27	0.004	0.002	0.097	0.030	115.543	TRUE	1.02E-25
FVC	CLNK	cg10841253	rs115191804	T	C	-0.433	0.079	0.026	4.26E-08	0.000	0.008	0.963	0.008	30.013	TRUE	5.29E-08
FVC	CLNK	cg10841253	rs116331752	T	C	-0.645	0.107	0.011	1.84E-09	-0.006	0.010	0.523	0.010	36.114	TRUE	3.42E-09
FVC	CLNK	cg10841253	rs11728377	A	T	-0.161	0.026	0.287	4.53E-10	-0.001	0.003	0.710	0.010	38.850	TRUE	7.47E-10
FVC	CLNK	cg10841253	rs12186180	C	G	0.249	0.034	0.133	3.46E-13	0.001	0.003	0.846	0.014	52.900	TRUE	5.93E-13
FVC	CLNK	cg10841253	rs13112980	A	T	-0.903	0.024	0.245	<1E-200	0.002	0.003	0.444	0.282	1451.023	TRUE	2.18E-279
FVC	CLNK	cg10841253	rs13117441	G	T	0.267	0.026	0.288	2.03E-24	0.009	0.003	0.001	0.027	103.935	TRUE	1.14E-22

FVC	CLNK	cg10841253	rs148828566	A	G	-0.408	0.053	0.049	8.49E-15	-0.002	0.005	0.680	0.016	60.187	TRUE	1.84E-14
FVC	CLNK	cg10841253	rs17477692	G	A	-0.528	0.093	0.015	1.35E-08	0.012	0.009	0.191	0.009	32.247	TRUE	3.42E-08
FVC	CLNK	cg10841253	rs1878278	A	G	-0.346	0.049	0.116	2.27E-12	-0.004	0.004	0.257	0.013	49.210	TRUE	6.99E-12
FVC	CLNK	cg10841253	rs62288489	A	T	0.258	0.027	0.266	2.03E-22	-0.006	0.003	0.017	0.025	94.822	TRUE	4.35E-21
FVC	CLNK	cg10841253	rs73089928	G	A	-0.488	0.042	0.085	9.78E-32	0.008	0.004	0.054	0.036	137.341	TRUE	3.79E-30
FVC	CLNK	cg10841253	rs73224468	A	G	0.282	0.029	0.216	1.46E-22	0.005	0.003	0.119	0.025	95.471	TRUE	1.50E-21
FVC	CLNK	cg10841253	rs73224493	G	T	-0.807	0.082	0.024	6.19E-23	0.002	0.008	0.776	0.026	97.172	TRUE	2.01E-22
FVC	CLNK	cg10841253	rs76374961	A	G	-0.396	0.071	0.025	2.81E-08	-0.006	0.007	0.368	0.008	30.817	TRUE	5.62E-08
FVC	CLNK	cg10841253	rs76592164	A	G	0.337	0.059	0.046	8.28E-09	-0.001	0.006	0.926	0.009	33.191	TRUE	1.08E-08
FVC	CLNK	cg10841253	rs7666787	T	C	-0.361	0.031	0.171	7.58E-31	-0.009	0.003	0.005	0.035	133.277	TRUE	6.74E-29
FVC	CLNK	cg10841253	rs7683253	T	C	0.259	0.033	0.146	3.68E-15	0.002	0.003	0.503	0.016	61.831	TRUE	9.96E-15
FVC	CLNK	cg10841253	rs79020759	G	A	0.471	0.082	0.021	9.49E-09	0.006	0.008	0.414	0.009	32.925	TRUE	1.86E-08
FVC	CLNK	cg10841253	rs79896211	G	C	-0.733	0.071	0.029	9.66E-25	-0.006	0.006	0.363	0.028	105.407	TRUE	6.53E-24
FVC	CLNK	cg10841253	rs80059608	T	C	-0.747	0.067	0.026	5.44E-29	0.001	0.007	0.862	0.033	124.800	TRUE	2.43E-28
FVC	CLNK	cg10841253	rs9790471	T	C	-0.367	0.025	0.319	2.04E-48	0.004	0.003	0.104	0.055	213.686	TRUE	3.92E-46
FVC	CLNK	cg12232903	rs6828436	C	T	0.137	0.023	0.449	4.73E-09	0.002	0.002	0.347	0.009	34.280	TRUE	1.02E-08
FVC	CLNK	cg12939049	rs7694378	C	G	-0.214	0.035	0.131	6.83E-10	-0.003	0.004	0.451	0.010	38.048	TRUE	1.38E-09
FVC	CLNK	cg14218108	rs12511309	A	G	0.258	0.023	0.481	2.28E-28	0.003	0.002	0.174	0.032	121.963	TRUE	3.49E-27
FVC	CLNK	cg15489693	rs2159865	G	T	-0.189	0.026	0.300	1.87E-13	-0.006	0.003	0.030	0.014	54.112	TRUE	1.31E-12
FVC	CLNK	cg15489693	rs4698053	A	G	0.185	0.024	0.464	4.08E-15	-0.007	0.002	0.002	0.016	61.630	TRUE	7.21E-14
FVC	CLNK	cg17677988	rs78197428	G	A	0.225	0.040	0.094	2.52E-08	-0.004	0.004	0.295	0.008	31.030	TRUE	5.45E-08
FVC	COL2A1	cg01906695	rs10875719	C	T	-0.195	0.024	0.365	7.52E-16	0.004	0.002	0.143	0.017	64.958	TRUE	3.88E-15
FVC	COL2A1	cg01906695	rs79159228	A	C	0.267	0.045	0.075	2.46E-09	0.009	0.004	0.047	0.010	35.554	TRUE	9.70E-09
FVC	COL2A1	cg05342945	rs12228854	T	G	-0.205	0.028	0.218	4.66E-13	-0.015	0.003	1.61E-07	0.014	52.316	TRUE	2.40E-11
FVC	COL2A1	cg05342945	rs2732439	C	A	0.136	0.024	0.452	9.49E-09	0.005	0.002	0.040	0.009	32.926	TRUE	3.74E-08
FVC	COL2A1	cg05342945	rs6580647	A	C	0.305	0.032	0.167	2.06E-21	0.008	0.003	0.015	0.024	90.238	TRUE	4.19E-20
FVC	COL2A1	cg08886711	rs3803184	G	C	0.220	0.033	0.167	1.37E-11	0.008	0.003	0.014	0.012	45.685	TRUE	9.17E-11
FVC	COL2A1	cg10502244	rs11168450	A	G	0.140	0.024	0.377	9.00E-09	0.003	0.002	0.272	0.009	33.029	TRUE	2.05E-08
FVC	COL2A1	cg10502244	rs12717995	C	T	-0.361	0.045	0.069	1.84E-15	0.014	0.005	0.002	0.017	63.192	TRUE	3.00E-14
FVC	COL2A1	cg10502244	rs141415801	T	G	-0.470	0.084	0.020	1.85E-08	0.005	0.009	0.595	0.008	31.629	TRUE	3.04E-08
FVC	COL2A1	cg10502244	rs74802509	A	G	0.277	0.045	0.075	5.37E-10	0.009	0.004	0.047	0.010	38.518	TRUE	2.27E-09
FVC	COL2A1	cg12235144	rs6580649	T	C	-0.244	0.032	0.169	1.53E-14	0.008	0.003	0.008	0.016	59.022	TRUE	1.75E-13
FVC	COL2A1	cg17342302	rs7132668	C	T	-0.252	0.032	0.170	1.86E-15	0.008	0.003	0.018	0.017	63.173	TRUE	1.80E-14
FVC	COL2A1	cg18990042	rs3803184	G	C	0.284	0.033	0.167	2.22E-18	0.008	0.003	0.014	0.020	76.445	TRUE	3.20E-17
FVC	COL2A1	cg19066141	rs1635528	C	T	0.342	0.032	0.170	9.89E-27	0.007	0.003	0.031	0.030	114.485	TRUE	2.90E-25
FVC	COL2A1	cg19601035	rs10875722	G	T	0.142	0.025	0.387	8.62E-09	0.006	0.002	0.010	0.009	33.112	TRUE	4.47E-08
FVC	COL2A1	cg24011408	rs117328080	T	C	0.345	0.054	0.094	2.19E-10	-0.009	0.004	0.030	0.011	40.269	TRUE	1.06E-09
FVC	COL2A1	cg24011408	rs117938743	G	C	0.406	0.072	0.049	1.37E-08	0.013	0.006	0.022	0.009	32.206	TRUE	5.93E-08
FVC	COL2A1	cg24011408	rs12717995	C	T	0.284	0.045	0.069	3.44E-10	0.014	0.005	0.002	0.011	39.387	TRUE	2.78E-09
FVC	COL2A1	cg24011408	rs17614932	C	A	-0.307	0.046	0.070	1.43E-11	-0.015	0.005	0.002	0.012	45.606	TRUE	1.49E-10
FVC	COL2A1	cg24011408	rs1793959	T	C	-0.524	0.043	0.083	2.53E-34	0.009	0.004	0.040	0.039	149.169	TRUE	1.56E-32
FVC	COL2A1	cg24011408	rs34392760	A	T	-0.314	0.053	0.047	3.70E-09	-0.005	0.005	0.397	0.009	34.759	TRUE	7.58E-09

FVC	COL2A1	cg24011408	rs59027910	A	G	0.322	0.029	0.188	8.86E-28	-0.001	0.003	0.846	0.031	119.267	TRUE	3.70E-27
FVC	COL2A1	cg24011408	rs78730237	A	G	-0.365	0.046	0.074	1.23E-15	0.005	0.005	0.305	0.017	63.996	TRUE	4.46E-15
FVC	COL2A1	cg24011408	rs79159228	A	C	-0.363	0.044	0.075	3.30E-16	0.009	0.004	0.047	0.018	66.579	TRUE	2.62E-15
FVC	CPLX2	cg01235000	rs12521617	A	G	0.638	0.038	0.099	2.98E-63	-0.003	0.004	0.496	0.071	281.687	TRUE	1.07E-60
FVC	CPLX2	cg01235000	rs2647	G	A	-0.161	0.025	0.330	1.01E-10	0.000	0.003	0.933	0.011	41.773	TRUE	1.42E-10
FVC	CPLX2	cg01235000	rs4242187	T	C	0.152	0.025	0.337	6.77E-10	0.001	0.002	0.568	0.010	38.065	TRUE	1.25E-09
FVC	CPLX2	cg01235000	rs6556253	A	G	1.061	0.059	0.046	9.74E-73	-0.013	0.006	0.044	0.081	325.207	TRUE	1.34E-68
FVC	CPLX2	cg01235000	rs67877276	T	C	0.138	0.025	0.381	1.64E-08	-0.004	0.002	0.088	0.009	31.859	TRUE	5.15E-08
FVC	CPLX2	cg01235000	rs6863932	A	G	-0.177	0.024	0.404	1.14E-13	-0.003	0.002	0.165	0.015	55.072	TRUE	4.75E-13
FVC	CPLX2	cg01235000	rs6879889	C	T	0.972	0.097	0.029	8.28E-24	-0.001	0.007	0.906	0.027	101.155	TRUE	2.42E-23
FVC	CPLX2	cg01235000	rs7443800	A	G	0.298	0.023	0.439	4.89E-37	-0.001	0.002	0.813	0.042	161.579	TRUE	4.68E-36
FVC	CPLX2	cg01252455	rs7724670	A	G	0.400	0.059	0.046	1.57E-11	-0.012	0.006	0.055	0.012	45.425	TRUE	7.55E-11
FVC	CPLX2	cg01284438	rs12521617	A	G	0.535	0.038	0.099	2.40E-44	-0.003	0.004	0.496	0.050	195.033	TRUE	8.11E-43
FVC	CPLX2	cg01284438	rs17671074	A	G	0.521	0.052	0.067	4.66E-24	-0.008	0.005	0.100	0.027	102.293	TRUE	5.91E-23
FVC	CPLX2	cg01284438	rs2647	G	A	-0.151	0.025	0.330	1.31E-09	0.000	0.003	0.933	0.010	36.782	TRUE	1.76E-09
FVC	CPLX2	cg01284438	rs4242187	T	C	0.164	0.025	0.337	2.94E-11	0.001	0.002	0.568	0.012	44.196	TRUE	5.84E-11
FVC	CPLX2	cg01284438	rs56405440	T	C	0.288	0.023	0.472	2.47E-35	0.000	0.003	0.950	0.040	153.789	TRUE	1.66E-34
FVC	CPLX2	cg01284438	rs56704553	T	A	0.444	0.046	0.067	1.02E-21	0.002	0.005	0.664	0.024	91.628	TRUE	3.50E-21
FVC	CPLX2	cg01284438	rs62402495	T	C	0.516	0.086	0.041	2.23E-09	-0.003	0.007	0.686	0.010	35.747	TRUE	3.57E-09
FVC	CPLX2	cg01284438	rs6863932	A	G	-0.156	0.024	0.404	6.54E-11	-0.003	0.002	0.165	0.011	42.629	TRUE	2.15E-10
FVC	CPLX2	cg01938009	rs2647	G	A	-0.143	0.025	0.330	8.65E-09	0.000	0.003	0.933	0.009	33.105	TRUE	1.13E-08
FVC	CPLX2	cg01938009	rs56405440	T	C	0.155	0.023	0.472	3.41E-11	0.000	0.003	0.950	0.012	43.900	TRUE	4.91E-11
FVC	CPLX2	cg01938009	rs72807216	T	C	0.307	0.047	0.069	5.62E-11	-0.005	0.004	0.253	0.011	42.926	TRUE	1.56E-10
FVC	CPLX2	cg01938009	rs7446213	C	T	0.311	0.024	0.350	2.89E-37	0.001	0.003	0.819	0.042	162.627	TRUE	2.79E-36
FVC	CPLX2	cg01946364	rs11134941	T	G	-0.135	0.023	0.455	5.74E-09	0.004	0.002	0.068	0.009	33.904	TRUE	1.97E-08
FVC	CPLX2	cg01946364	rs79281561	T	C	0.629	0.103	0.023	9.45E-10	0.006	0.008	0.444	0.010	37.416	TRUE	1.92E-09
FVC	CPLX2	cg08570034	rs2545329	A	G	-0.245	0.024	0.438	2.60E-25	-0.001	0.002	0.819	0.028	108.004	TRUE	9.25E-25
FVC	CPLX2	cg08670383	rs12521617	A	G	0.221	0.038	0.099	7.38E-09	-0.003	0.004	0.496	0.009	33.415	TRUE	1.34E-08
FVC	CPLX2	cg09336320	rs2434237	A	C	-0.165	0.028	0.208	4.67E-09	0.005	0.003	0.115	0.009	34.303	TRUE	1.46E-08
FVC	CPLX2	cg10312572	rs10463052	T	C	-0.141	0.024	0.451	2.84E-09	0.002	0.002	0.434	0.009	35.275	TRUE	5.67E-09
FVC	CPLX2	cg10312572	rs890736	C	T	-0.170	0.028	0.206	2.01E-09	0.004	0.003	0.149	0.010	35.945	TRUE	5.98E-09
FVC	CPLX2	cg10663557	rs12521617	A	G	0.307	0.038	0.099	1.29E-15	-0.003	0.004	0.496	0.017	63.899	TRUE	3.56E-15
FVC	CPLX2	cg10663557	rs1643771	A	G	0.208	0.023	0.474	3.06E-19	0.001	0.002	0.824	0.021	80.356	TRUE	7.32E-19
FVC	CPLX2	cg10663557	rs7724670	A	G	0.400	0.059	0.046	1.73E-11	-0.012	0.006	0.055	0.012	45.229	TRUE	8.31E-11
FVC	CPLX2	cg11128983	rs1017306	G	A	0.489	0.033	0.132	9.12E-51	0.001	0.003	0.684	0.057	224.447	TRUE	4.48E-49
FVC	CPLX2	cg11128983	rs11738108	C	T	0.533	0.082	0.040	6.84E-11	-0.003	0.007	0.653	0.011	42.541	TRUE	1.23E-10
FVC	CPLX2	cg11128983	rs17671074	A	G	0.395	0.052	0.067	2.18E-14	-0.008	0.005	0.100	0.016	58.335	TRUE	1.12E-13
FVC	CPLX2	cg11128983	rs182555517	T	G	0.560	0.099	0.017	1.47E-08	-0.007	0.009	0.466	0.009	32.081	TRUE	2.71E-08
FVC	CPLX2	cg11128983	rs4868535	A	G	-0.364	0.035	0.137	7.00E-26	-0.003	0.004	0.403	0.029	110.607	TRUE	4.82E-25
FVC	CPLX2	cg11128983	rs4868635	A	G	0.137	0.024	0.417	1.59E-08	-0.005	0.002	0.055	0.009	31.928	TRUE	5.56E-08
FVC	CPLX2	cg11128983	rs59092768	T	C	-0.253	0.039	0.098	8.23E-11	-0.005	0.004	0.273	0.011	42.180	TRUE	2.20E-10
FVC	CPLX2	cg11128983	rs62387138	C	T	-0.428	0.033	0.145	5.64E-39	0.002	0.003	0.640	0.044	170.448	TRUE	8.31E-38

FVC	CPLX2	cg11128983	rs6860661	G	C	0.822	0.021	0.359	<1E-200	-0.004	0.003	0.099	0.292	1527.693	TRUE	3.54E-291
FVC	CPLX2	cg11128983	rs72823151	T	C	-0.386	0.042	0.087	4.34E-20	-0.001	0.004	0.760	0.022	84.215	TRUE	1.20E-19
FVC	CPLX2	cg11128983	rs75722727	T	C	0.444	0.064	0.069	2.93E-12	-0.008	0.005	0.111	0.013	48.708	TRUE	1.22E-11
FVC	CPLX2	cg12578615	rs11134931	G	A	-0.216	0.024	0.382	6.19E-19	0.003	0.002	0.312	0.021	78.963	TRUE	2.95E-18
FVC	CPLX2	cg12578615	rs11134942	A	G	0.252	0.023	0.450	2.77E-27	0.004	0.002	0.065	0.031	117.009	TRUE	5.99E-26
FVC	CPLX2	cg12578615	rs56184102	A	C	-0.780	0.067	0.031	2.17E-31	0.003	0.006	0.578	0.035	135.762	TRUE	1.77E-30
FVC	CPLX2	cg12578615	rs62387138	C	T	-0.869	0.031	0.145	5.95E-168	0.002	0.003	0.640	0.171	762.599	TRUE	1.32E-155
FVC	CPLX2	cg15622912	rs11748001	A	G	0.141	0.025	0.317	2.52E-08	0.002	0.003	0.452	0.008	31.032	TRUE	4.66E-08
FVC	CPLX2	cg15622912	rs2382120	C	G	-0.276	0.028	0.206	2.19E-22	0.004	0.003	0.154	0.025	94.675	TRUE	2.04E-21
FVC	CPLX2	cg16105591	rs12521617	A	G	0.388	0.039	0.099	9.52E-24	-0.003	0.004	0.496	0.027	100.878	TRUE	4.71E-23
FVC	CPLX2	cg16105591	rs17671074	A	G	0.397	0.052	0.067	1.61E-14	-0.008	0.005	0.100	0.016	58.929	TRUE	8.35E-14
FVC	CPLX2	cg16105591	rs4868539	A	G	0.132	0.023	0.453	1.66E-08	0.003	0.002	0.160	0.009	31.840	TRUE	4.34E-08
FVC	CPLX2	cg16105591	rs56211888	G	C	-0.173	0.030	0.196	5.02E-09	0.002	0.003	0.491	0.009	34.164	TRUE	9.39E-09
FVC	CPLX2	cg16105591	rs7443800	A	G	0.274	0.023	0.439	2.03E-31	-0.001	0.002	0.813	0.035	135.890	TRUE	1.20E-30
FVC	CPLX2	cg16460727	rs12521617	A	G	0.222	0.039	0.099	8.45E-09	-0.003	0.004	0.496	0.009	33.150	TRUE	1.53E-08
FVC	CPLX2	cg19649083	rs11134941	T	G	-0.176	0.023	0.455	4.21E-14	0.004	0.002	0.068	0.015	57.038	TRUE	2.37E-13
FVC	CPLX2	cg19649083	rs12521617	A	G	0.451	0.038	0.099	8.85E-32	-0.003	0.004	0.496	0.036	137.540	TRUE	8.55E-31
FVC	CPLX2	cg19649083	rs369850362	G	A	0.976	0.059	0.046	7.99E-61	-0.012	0.006	0.055	0.068	270.552	TRUE	1.44E-57
FVC	CPLX2	cg19649083	rs62389203	T	C	0.216	0.023	0.454	3.60E-20	0.000	0.003	0.950	0.022	84.585	TRUE	8.13E-20
FVC	CPLX2	cg19649083	rs6879889	C	T	0.823	0.097	0.029	2.42E-17	-0.001	0.007	0.906	0.019	71.727	TRUE	4.81E-17
FVC	CPLX2	cg19649083	rs7727183	T	C	0.158	0.028	0.211	2.59E-08	0.004	0.003	0.199	0.008	30.972	TRUE	6.36E-08
FVC	CPLX2	cg21753973	rs12521617	A	G	0.272	0.039	0.099	1.95E-12	-0.003	0.004	0.496	0.013	49.511	TRUE	4.40E-12
FVC	CPLX2	cg21753973	rs56405440	T	C	0.185	0.023	0.472	2.21E-15	0.000	0.003	0.950	0.017	62.839	TRUE	3.85E-15
FVC	CPLX2	cg21753973	rs6556253	A	G	0.449	0.060	0.046	7.42E-14	-0.013	0.006	0.044	0.015	55.923	TRUE	4.73E-13
FVC	CPLX2	cg22988198	rs10476184	T	C	-0.133	0.024	0.394	3.61E-08	-0.001	0.002	0.762	0.008	30.330	TRUE	5.15E-08
FVC	CPLX2	cg22988198	rs12520622	T	C	0.285	0.023	0.454	3.15E-34	0.000	0.003	0.950	0.039	148.733	TRUE	1.93E-33
FVC	CPLX2	cg22988198	rs12521617	A	G	0.508	0.038	0.099	3.42E-40	-0.003	0.004	0.496	0.045	176.018	TRUE	7.42E-39
FVC	CPLX2	cg22988198	rs6863932	A	G	-0.196	0.024	0.404	2.21E-16	-0.003	0.002	0.165	0.018	67.365	TRUE	1.16E-15
FVC	CPLX2	cg22988198	rs6879889	C	T	0.699	0.097	0.029	5.90E-13	-0.001	0.007	0.906	0.014	51.853	TRUE	9.38E-13
FVC	CPLX2	cg22988198	rs7724670	A	G	0.846	0.059	0.046	7.53E-47	-0.012	0.006	0.055	0.053	206.502	TRUE	1.86E-44
FVC	CPLX2	cg26121591	rs4867808	A	G	-0.156	0.024	0.363	4.27E-11	-0.005	0.003	0.054	0.012	43.465	TRUE	1.90E-10
FVC	CPLX2	cg26121591	rs62387138	C	T	0.192	0.033	0.145	4.25E-09	0.002	0.003	0.640	0.009	34.489	TRUE	6.94E-09
FVC	CPLX2	cg26303222	rs58156946	A	G	-0.326	0.044	0.084	1.50E-13	0.004	0.005	0.371	0.015	54.547	TRUE	4.24E-13
FVC	CPLX2	cg26303222	rs9313730	G	A	0.133	0.023	0.467	8.44E-09	-0.006	0.002	0.017	0.009	33.152	TRUE	3.91E-08
FVC	CRADD	cg09631880	rs118122405	A	G	-0.602	0.070	0.027	7.67E-18	0.003	0.007	0.697	0.020	73.997	TRUE	1.97E-17
FVC	CRADD	cg09631880	rs12368895	T	C	0.215	0.032	0.156	1.60E-11	0.002	0.003	0.543	0.012	45.377	TRUE	3.33E-11
FVC	CRADD	cg09631880	rs55700143	G	A	-0.238	0.027	0.253	6.28E-19	0.002	0.003	0.431	0.021	78.934	TRUE	2.41E-18
FVC	CRADD	cg12133664	rs11107187	T	C	0.238	0.042	0.076	2.04E-08	0.005	0.004	0.230	0.008	31.440	TRUE	4.84E-08
FVC	CRADD	cg12133664	rs11107204	A	T	-0.692	0.061	0.037	6.31E-30	-0.009	0.006	0.152	0.034	129.073	TRUE	1.17E-28
FVC	CRADD	cg12133664	rs11107218	C	A	-0.473	0.059	0.035	9.70E-16	-0.005	0.006	0.441	0.017	64.455	TRUE	2.92E-15
FVC	CRADD	cg12133664	rs112311229	T	C	0.346	0.063	0.033	4.94E-08	0.006	0.007	0.397	0.008	29.723	TRUE	9.40E-08
FVC	CRADD	cg12133664	rs11832823	A	G	0.327	0.024	0.389	2.02E-42	-0.002	0.002	0.450	0.048	186.224	TRUE	6.15E-41

FVC	CRADD	cg12133664	rs1389502	C	T	0.294	0.023	0.472	1.81E-36	-0.001	0.002	0.678	0.041	158.983	TRUE	2.01E-35
FVC	CRADD	cg12133664	rs1843533	G	A	0.331	0.032	0.158	2.77E-25	0.007	0.003	0.040	0.028	107.885	TRUE	5.89E-24
FVC	CRADD	cg12133664	rs3847788	G	A	-0.600	0.089	0.035	1.98E-11	-0.016	0.007	0.014	0.012	44.968	TRUE	1.34E-10
FVC	CRADD	cg12133664	rs3926587	C	T	0.208	0.023	0.444	5.60E-19	0.011	0.002	2.09E-06	0.021	79.162	TRUE	5.60E-17
FVC	CRADD	cg12133664	rs60318766	A	G	0.540	0.056	0.045	1.15E-21	0.003	0.006	0.563	0.024	91.392	TRUE	4.47E-21
FVC	CRADD	cg12133664	rs7133670	G	C	-0.840	0.022	0.318	<1E-200	0.000	0.003	0.965	0.291	1516.274	TRUE	1.16E-291
FVC	CRADD	cg13102120	rs11107144	C	T	-1.213	0.064	0.038	1.18E-80	0.012	0.006	0.057	0.089	361.534	TRUE	5.43E-76
FVC	CRADD	cg20665967	rs111947476	T	C	-0.418	0.065	0.026	1.22E-10	-0.004	0.007	0.600	0.011	41.408	TRUE	2.27E-10
FVC	CRADD	cg20665967	rs116105851	C	G	-0.708	0.105	0.021	1.84E-11	0.046	0.031	0.135	0.012	45.112	TRUE	6.65E-11
FVC	CRADD	cg20665967	rs118122405	A	G	-1.687	0.068	0.027	1.15E-137	0.003	0.007	0.697	0.144	623.409	TRUE	5.47E-129
FVC	CRADD	cg20665967	rs12318214	A	G	-0.385	0.066	0.026	5.32E-09	0.004	0.007	0.587	0.009	34.051	TRUE	9.06E-09
FVC	CRADD	cg20665967	rs1485889	G	A	-0.161	0.026	0.298	4.03E-10	0.001	0.003	0.758	0.010	39.076	TRUE	6.36E-10
FVC	CRADD	cg20665967	rs55700143	G	A	-0.161	0.027	0.253	1.69E-09	0.002	0.003	0.431	0.010	36.280	TRUE	3.42E-09
FVC	CRADD	cg20665967	rs57303653	A	G	-0.293	0.029	0.209	1.66E-24	0.002	0.003	0.553	0.027	104.340	TRUE	8.04E-24
FVC	CRADD	cg20665967	rs7305941	T	A	-0.269	0.040	0.175	2.35E-11	0.001	0.003	0.721	0.012	44.632	TRUE	4.06E-11
FVC	CRADD	cg20922821	rs12228884	T	C	-1.004	0.064	0.039	7.97E-56	0.012	0.006	0.066	0.063	247.632	TRUE	5.86E-53
FVC	CRADD	cg21004565	rs12228884	T	C	-1.207	0.063	0.039	3.85E-81	0.012	0.006	0.066	0.090	363.770	TRUE	1.73E-76
FVC	CRADD	cg23535137	rs12831838	A	C	0.187	0.023	0.446	3.32E-16	0.011	0.002	1.53E-06	0.018	66.565	TRUE	2.15E-14
FVC	CREB3L4	cg07556888	rs10908578	C	T	0.183	0.023	0.478	2.23E-15	-0.009	0.002	3.00E-04	0.017	62.813	TRUE	5.19E-14
FVC	CREB3L4	cg09895920	rs4845586	G	T	-0.219	0.023	0.464	8.12E-21	-0.009	0.002	9.29E-05	0.023	87.527	TRUE	5.19E-19
FVC	CS	cg22775789	rs34457402	C	A	0.746	0.109	0.024	6.81E-12	0.007	0.008	0.403	0.013	47.055	TRUE	1.67E-11
FVC	CS	cg22979422	rs34026747	A	G	-0.475	0.076	0.056	5.05E-10	-0.007	0.005	0.202	0.010	38.635	TRUE	1.42E-09
FVC	CS	cg22979422	rs34457402	C	A	0.703	0.109	0.024	1.09E-10	0.007	0.008	0.403	0.011	41.634	TRUE	2.46E-10
FVC	CS	cg24498746	rs143999261	A	G	-0.412	0.071	0.024	6.42E-09	0.006	0.008	0.443	0.009	33.685	TRUE	1.24E-08
FVC	CS	cg24498746	rs60542959	T	G	-0.478	0.047	0.070	9.96E-25	0.014	0.005	0.003	0.028	105.347	TRUE	4.86E-23
FVC	CS	cg26714650	rs12232026	A	T	-0.388	0.034	0.114	1.84E-29	0.010	0.004	0.006	0.033	126.946	TRUE	1.35E-27
FVC	CS	cg26714650	rs143999261	A	G	-0.883	0.069	0.024	3.83E-37	0.006	0.008	0.443	0.042	162.067	TRUE	6.89E-36
FVC	CS	cg26714650	rs190923413	A	G	-0.994	0.120	0.018	1.48E-16	0.003	0.013	0.829	0.018	68.159	TRUE	3.06E-16
FVC	CS	cg26714650	rs2066808	G	A	-1.396	0.043	0.071	4.50E-236	0.014	0.005	0.003	0.225	1075.795	TRUE	1.85E-210
FVC	CS	cg26714650	rs2638320	T	G	-0.144	0.023	0.469	5.55E-10	0.003	0.002	0.221	0.010	38.454	TRUE	1.53E-09
FVC	CS	cg26714650	rs73121266	A	T	-0.305	0.049	0.124	3.55E-10	0.000	0.004	0.957	0.011	39.324	TRUE	4.81E-10
FVC	CS	cg26714650	rs78188443	T	C	-1.238	0.149	0.013	1.12E-16	0.007	0.011	0.514	0.018	68.714	TRUE	3.28E-16
FVC	CS	cg26714650	rs941207	G	C	-0.159	0.026	0.268	7.02E-10	-0.009	0.003	0.001	0.010	37.994	TRUE	6.03E-09
FVC	CS	cg26734620	rs12232026	A	T	0.208	0.035	0.114	2.12E-09	0.010	0.004	0.006	0.010	35.840	TRUE	1.32E-08
FVC	CS	cg26734620	rs1274490	A	G	0.560	0.045	0.071	3.63E-35	0.014	0.005	0.003	0.040	153.026	TRUE	7.02E-33
FVC	CS	cg26734620	rs60169753	T	G	0.458	0.072	0.050	1.63E-10	0.003	0.005	0.580	0.011	40.850	TRUE	3.03E-10
FVC	CSF2	cg08324925	rs11950815	A	G	0.217	0.024	0.370	4.49E-19	-0.015	0.003	6.19E-10	0.021	79.598	TRUE	1.43E-16
FVC	CSF2	cg08324925	rs1291602	T	C	-0.201	0.033	0.157	1.19E-09	0.005	0.003	0.123	0.010	36.972	TRUE	3.74E-09
FVC	CSF2	cg08324925	rs31467	T	C	0.384	0.023	0.489	3.73E-60	-0.009	0.002	7.32E-05	0.067	267.484	TRUE	1.16E-55
FVC	CSF2	cg08324925	rs77335401	C	T	-0.318	0.037	0.121	4.23E-18	-0.002	0.004	0.502	0.020	75.170	TRUE	1.39E-17
FVC	CSF2	cg13259290	rs1030271	G	C	0.156	0.024	0.351	1.26E-10	-0.015	0.002	5.56E-10	0.011	41.355	TRUE	7.19E-09
FVC	CSF2	cg13259290	rs31467	T	C	0.215	0.024	0.489	8.91E-20	-0.009	0.002	7.32E-05	0.022	82.794	TRUE	5.07E-18

FVC	CSF2	cg16465129	rs17674015	A	C	0.215	0.024	0.367	1.29E-19	-0.017	0.002	4.86E-12	0.022	82.060	TRUE	9.65E-17
FVC	CSF2	cg16465129	rs283753	C	T	-0.188	0.033	0.144	1.34E-08	0.007	0.003	0.045	0.009	32.248	TRUE	4.97E-08
FVC	CSF2	cg16565692	rs3864277	A	G	0.238	0.023	0.433	1.45E-24	-0.018	0.002	3.25E-14	0.028	104.601	TRUE	4.96E-21
FVC	CSF2	cg26369418	rs31467	T	C	0.147	0.024	0.489	6.49E-10	-0.009	0.002	7.32E-05	0.010	38.149	TRUE	8.12E-09
FVC	CSNK2A1	cg07511836	rs459710	C	T	0.469	0.024	0.367	6.58E-83	-0.006	0.002	0.024	0.091	371.881	TRUE	9.37E-78
FVC	CSNK2A1	cg07511836	rs6107302	G	A	0.142	0.026	0.319	3.13E-08	0.001	0.003	0.612	0.008	30.608	TRUE	5.07E-08
FVC	CSNK2A1	cg07789225	rs157816	T	C	0.139	0.025	0.350	2.44E-08	-0.005	0.002	0.028	0.008	31.089	TRUE	1.00E-07
FVC	CSNK2A1	cg23481873	rs189975	T	C	0.175	0.026	0.288	2.43E-11	-0.005	0.003	0.067	0.012	44.564	TRUE	1.06E-10
FVC	CSNK2A1	cg26292976	rs459710	C	T	0.240	0.024	0.367	7.60E-23	-0.006	0.002	0.024	0.025	96.767	TRUE	1.59E-21
FVC	CSNK2A2	cg06640533	rs113103741	C	G	0.345	0.044	0.073	5.08E-15	0.009	0.004	0.036	0.016	61.197	TRUE	3.96E-14
FVC	CSNK2A2	cg06640533	rs2550339	T	C	-0.227	0.041	0.084	3.76E-08	-0.003	0.004	0.506	0.008	30.251	TRUE	6.61E-08
FVC	CSNK2A2	cg06640533	rs9931166	A	G	-0.181	0.026	0.263	3.61E-12	0.004	0.003	0.130	0.013	48.301	TRUE	1.43E-11
FVC	CSNK2A2	cg07377098	rs112480836	A	C	-0.349	0.045	0.072	4.70E-15	0.009	0.004	0.035	0.016	61.348	TRUE	3.74E-14
FVC	CSNK2A2	cg15508020	rs1875525	T	C	0.253	0.044	0.072	1.06E-08	0.009	0.004	0.036	0.009	32.711	TRUE	4.21E-08
FVC	CSNK2A2	cg27339474	rs193867	C	T	0.145	0.024	0.442	9.67E-10	-0.002	0.002	0.341	0.010	37.370	TRUE	2.15E-09
FVC	CTSA	cg03206537	rs3746506	G	A	0.151	0.024	0.386	3.51E-10	-0.007	0.002	0.003	0.011	39.349	TRUE	2.76E-09
FVC	CTSA	cg08260891	rs742034	A	G	-0.210	0.024	0.377	2.38E-18	-0.009	0.002	3.31E-04	0.020	76.303	TRUE	8.99E-17
FVC	CTSA	cg19067730	rs742034	A	G	-0.188	0.024	0.377	5.44E-15	-0.009	0.002	3.31E-04	0.016	61.061	TRUE	1.27E-13
FVC	CTSF	cg03423112	rs607736	A	G	-0.146	0.025	0.294	4.71E-09	-0.010	0.003	6.85E-05	0.009	34.286	TRUE	5.34E-08
FVC	CTSF	cg05087948	rs372990781	C	G	-0.284	0.031	0.169	3.92E-20	0.020	0.003	3.86E-10	0.022	84.415	TRUE	1.77E-17
FVC	CTSF	cg06817264	rs150863712	T	C	-0.346	0.049	0.066	1.22E-12	0.004	0.005	0.337	0.013	50.426	TRUE	3.45E-12
FVC	CTSF	cg06817264	rs192262095	G	A	-0.395	0.071	0.033	3.10E-08	0.028	0.006	1.00E-05	0.008	30.627	TRUE	3.85E-07
FVC	CTSF	cg06817264	rs34629385	A	G	0.320	0.050	0.054	1.70E-10	-0.002	0.006	0.721	0.011	40.764	TRUE	2.83E-10
FVC	CTSF	cg06817264	rs490972	A	G	0.132	0.024	0.456	2.13E-08	-0.005	0.002	0.033	0.008	31.354	TRUE	8.06E-08
FVC	CTSF	cg06817264	rs55969935	T	C	-0.426	0.039	0.097	2.98E-27	0.016	0.004	1.33E-04	0.031	116.862	TRUE	4.82E-25
FVC	CTSF	cg06817264	rs615205	C	T	0.482	0.023	0.461	3.97E-100	0.000	0.002	0.984	0.109	450.948	TRUE	1.95E-95
FVC	CTSF	cg06817264	rs72923011	C	A	0.307	0.051	0.056	1.20E-09	0.012	0.005	0.019	0.010	36.947	TRUE	6.01E-09
FVC	CTSF	cg06817264	rs74491182	T	C	-0.344	0.046	0.076	6.10E-14	-0.009	0.005	0.044	0.015	56.308	TRUE	3.98E-13
FVC	CTSF	cg14778137	rs509556	A	G	0.131	0.023	0.460	1.38E-08	0.000	0.002	0.873	0.009	32.202	TRUE	1.87E-08
FVC	CTSF	cg19255818	rs11824771	C	T	0.267	0.027	0.240	1.42E-22	0.012	0.003	1.51E-05	0.025	95.534	TRUE	1.95E-20
FVC	CTSF	cg23230554	rs1625595	T	C	0.136	0.023	0.456	5.38E-09	-0.005	0.002	0.024	0.009	34.028	TRUE	2.38E-08
FVC	CTSF	cg23230554	rs17495838	C	T	-0.279	0.027	0.237	4.96E-25	0.011	0.003	3.32E-05	0.028	106.727	TRUE	7.30E-23
FVC	CTSF	cg23230554	rs2242663	C	T	0.305	0.026	0.238	1.37E-30	-0.011	0.003	1.15E-04	0.034	132.110	TRUE	3.41E-28
FVC	CTSF	cg23230554	rs79179961	C	T	-0.378	0.065	0.031	5.36E-09	0.013	0.006	0.040	0.009	34.035	TRUE	2.13E-08
FVC	CTSF	cg23669043	rs11607327	A	G	-0.216	0.035	0.134	8.31E-10	0.016	0.004	1.45E-05	0.010	37.667	TRUE	1.34E-08
FVC	CTSF	cg23669043	rs117126977	G	A	-0.609	0.105	0.015	6.28E-09	0.017	0.010	0.094	0.009	33.727	TRUE	2.01E-08
FVC	CTSF	cg23669043	rs117649561	A	G	-0.475	0.082	0.024	6.54E-09	0.000	0.008	0.985	0.009	33.649	TRUE	8.30E-09
FVC	CTSF	cg23669043	rs117827012	T	C	-0.399	0.043	0.080	9.35E-21	0.011	0.004	0.009	0.023	87.247	TRUE	2.05E-19
FVC	CTSF	cg23669043	rs12807979	C	A	0.230	0.039	0.092	4.69E-09	-0.001	0.004	0.738	0.009	34.296	TRUE	7.10E-09
FVC	CTSF	cg23669043	rs150633715	C	G	-0.665	0.093	0.016	9.29E-13	0.018	0.009	0.040	0.014	50.961	TRUE	5.56E-12
FVC	CTSF	cg23669043	rs1892939	A	G	-0.153	0.024	0.488	1.15E-10	0.003	0.002	0.251	0.011	41.520	TRUE	3.10E-10
FVC	CTSF	cg23669043	rs192262095	G	A	-0.616	0.071	0.033	4.74E-18	0.028	0.006	1.00E-05	0.020	74.944	TRUE	3.27E-16

FVC	CTSF	cg23669043	rs4576	G	A	-0.682	0.026	0.246	8.71E-150	0.012	0.003	1.81E-05	0.155	679.103	TRUE	1.23E-135
FVC	CTSF	cg23669043	rs7104965	A	G	-0.325	0.054	0.049	1.64E-09	-0.004	0.005	0.525	0.010	36.341	TRUE	3.07E-09
FVC	CTSF	cg23669043	rs77310563	T	C	-0.559	0.080	0.023	2.13E-12	0.015	0.008	0.060	0.013	49.332	TRUE	1.08E-11
FVC	CTSF	cg24808318	rs11227485	T	C	-0.142	0.025	0.287	2.59E-08	-0.007	0.003	0.009	0.008	30.976	TRUE	1.28E-07
FVC	CTSF	cg24808318	rs677488	C	T	0.228	0.023	0.461	6.61E-23	0.000	0.002	0.924	0.026	97.042	TRUE	1.77E-22
FVC	CTSF	cg24987259	rs662094	A	G	-0.254	0.023	0.494	1.03E-27	0.003	0.002	0.298	0.031	118.972	TRUE	1.03E-26
FVC	CTSF	cg24987259	rs77600363	T	G	-0.237	0.028	0.229	6.93E-18	0.016	0.003	2.95E-08	0.020	74.197	TRUE	1.10E-15
FVC	CTSS	cg15900387	rs34002273	G	A	0.165	0.023	0.451	1.01E-12	0.021	0.002	4.98E-19	0.014	50.805	TRUE	4.36E-10
FVC	CTSS	cg26891210	rs1040008	G	A	0.333	0.038	0.097	1.46E-18	0.025	0.004	8.64E-11	0.020	77.276	TRUE	5.52E-16
FVC	CTSS	cg26891210	rs10888585	T	G	-0.241	0.029	0.212	3.37E-17	0.002	0.003	0.488	0.019	71.077	TRUE	1.08E-16
FVC	CTSS	cg26891210	rs11584388	T	G	0.178	0.032	0.156	2.66E-08	-0.002	0.003	0.504	0.008	30.927	TRUE	4.64E-08
FVC	CTSS	cg26891210	rs17564336	T	G	-0.142	0.025	0.323	1.78E-08	0.000	0.003	0.945	0.008	31.702	TRUE	2.29E-08
FVC	CTSS	cg26891210	rs1811698	T	C	-0.244	0.038	0.101	1.40E-10	0.011	0.004	0.007	0.011	41.142	TRUE	9.73E-10
FVC	CTSS	cg26891210	rs184026197	A	G	0.411	0.044	0.078	5.72E-21	0.013	0.005	0.005	0.023	88.220	TRUE	1.55E-19
FVC	CTSS	cg26891210	rs35550545	A	G	-0.291	0.041	0.091	6.82E-13	0.004	0.004	0.346	0.014	51.566	TRUE	1.93E-12
FVC	CTSS	cg26891210	rs3738479	A	T	-0.208	0.028	0.222	4.30E-14	0.002	0.003	0.579	0.015	56.997	TRUE	9.80E-14
FVC	CTSS	cg26891210	rs3811405	A	G	0.307	0.030	0.181	7.02E-25	0.015	0.003	1.79E-06	0.028	106.040	TRUE	2.14E-22
FVC	CTSS	cg26891210	rs56661631	T	C	-0.265	0.025	0.333	7.43E-27	-0.018	0.003	2.86E-12	0.030	115.052	TRUE	2.49E-23
FVC	CTSS	cg26891210	rs6657461	T	A	0.234	0.029	0.203	1.16E-15	0.008	0.003	0.006	0.017	64.103	TRUE	1.57E-14
FVC	CTSS	cg26891210	rs72704603	T	C	0.660	0.022	0.382	4.13E-206	0.020	0.002	1.70E-16	0.202	938.024	TRUE	4.60E-179
FVC	CUL2	cg08905399	rs112403518	T	A	0.443	0.030	0.173	1.27E-48	0.010	0.003	7.79E-04	0.055	214.621	TRUE	2.65E-45
FVC	CUL2	cg08905399	rs12254043	T	C	0.229	0.027	0.264	9.63E-18	0.002	0.003	0.429	0.019	73.546	TRUE	3.37E-17
FVC	CUL2	cg08905399	rs142022049	A	T	0.164	0.024	0.379	1.44E-11	0.001	0.002	0.769	0.012	45.584	TRUE	2.42E-11
FVC	CUL3	cg06170657	rs10933066	C	T	0.134	0.024	0.357	2.57E-08	0.002	0.003	0.322	0.008	30.988	TRUE	5.30E-08
FVC	CUL3	cg06170657	rs1468988	A	C	0.208	0.034	0.150	6.49E-10	-0.012	0.003	6.50E-04	0.010	38.146	TRUE	6.14E-09
FVC	CUL3	cg06170657	rs16865796	G	T	0.277	0.035	0.129	1.95E-15	-0.006	0.004	0.076	0.017	63.081	TRUE	1.23E-14
FVC	CUL3	cg06170657	rs16866077	G	A	0.216	0.028	0.220	8.08E-15	-0.003	0.003	0.392	0.016	60.282	TRUE	2.46E-14
FVC	CUL3	cg06170657	rs6757927	C	T	0.269	0.032	0.156	1.38E-17	-0.005	0.003	0.124	0.019	72.839	TRUE	9.02E-17
FVC	CUL3	cg06170657	rs72962707	A	G	1.856	0.076	0.024	4.09E-131	-0.016	0.008	0.034	0.138	593.297	TRUE	1.96E-121
FVC	CUL3	cg06867755	rs112267519	A	G	0.487	0.076	0.026	1.87E-10	-0.002	0.007	0.785	0.011	40.579	TRUE	2.94E-10
FVC	CUL3	cg06867755	rs11884260	A	T	0.222	0.027	0.227	7.25E-16	-0.009	0.003	0.002	0.017	65.029	TRUE	1.27E-14
FVC	CUL3	cg06867755	rs12993060	T	C	0.203	0.029	0.197	4.69E-12	-0.001	0.003	0.824	0.013	47.788	TRUE	7.74E-12
FVC	CUL3	cg06867755	rs12995931	G	A	0.158	0.025	0.301	6.13E-10	-0.008	0.003	0.003	0.010	38.259	TRUE	4.47E-09
FVC	CUL3	cg06867755	rs16866294	T	C	-0.193	0.030	0.185	1.28E-10	0.005	0.003	0.155	0.011	41.319	TRUE	4.19E-10
FVC	CUL3	cg06867755	rs3768897	A	G	-0.213	0.034	0.134	6.29E-10	0.002	0.004	0.641	0.010	38.208	TRUE	1.08E-09
FVC	CUL3	cg06867755	rs3845840	A	G	0.588	0.024	0.320	4.49E-132	-0.012	0.003	2.26E-06	0.139	597.705	TRUE	9.98E-120
FVC	CUL3	cg06867755	rs6741164	T	C	-0.220	0.026	0.293	1.27E-17	0.007	0.003	0.007	0.019	73.000	TRUE	2.00E-16
FVC	CUL3	cg06867755	rs72962751	T	C	-0.321	0.059	0.041	4.52E-08	0.010	0.006	0.092	0.008	29.895	TRUE	1.35E-07
FVC	CUL3	cg06867755	rs72968578	C	T	-0.256	0.045	0.074	1.67E-08	0.005	0.005	0.300	0.009	31.830	TRUE	3.65E-08
FVC	CUL3	cg22455342	rs11681888	T	A	0.148	0.025	0.300	3.40E-09	-0.005	0.003	0.074	0.009	34.922	TRUE	1.20E-08
FVC	CUL3	cg22455342	rs11694220	T	C	0.343	0.032	0.154	1.51E-26	0.002	0.003	0.531	0.030	113.646	TRUE	8.94E-26
FVC	CUL3	cg22455342	rs13024433	C	A	0.202	0.025	0.301	1.98E-15	-0.008	0.003	0.003	0.017	63.046	TRUE	2.95E-14

FVC	CUL3	cg22455342	rs146410838	A	G	-0.675	0.120	0.011	1.74E-08	0.007	0.011	0.502	0.009	31.750	TRUE	3.10E-08
FVC	CUL3	cg22455342	rs1916762	A	G	0.255	0.031	0.172	2.76E-16	-0.004	0.003	0.198	0.018	66.929	TRUE	1.30E-15
FVC	CUL3	cg22455342	rs2047135	G	C	-0.847	0.022	0.323	<1E-200	0.003	0.003	0.264	0.294	1539.263	TRUE	6.24E-294
FVC	CUL3	cg22455342	rs2543660	G	C	-0.570	0.079	0.042	4.16E-13	0.001	0.006	0.850	0.014	52.537	TRUE	7.06E-13
FVC	CUL3	cg22455342	rs35380339	T	G	-0.475	0.066	0.063	7.07E-13	0.002	0.005	0.736	0.014	51.496	TRUE	1.30E-12
FVC	CUL3	cg22455342	rs4380226	T	C	0.298	0.027	0.256	2.57E-28	0.002	0.003	0.373	0.032	121.721	TRUE	2.32E-27
FVC	CUL3	cg22455342	rs6721570	T	C	0.319	0.029	0.194	2.30E-27	0.010	0.003	0.001	0.031	117.372	TRUE	2.07E-25
FVC	CUL3	cg22455342	rs72962778	C	G	0.327	0.028	0.219	1.86E-31	-0.003	0.003	0.314	0.035	136.068	TRUE	2.52E-30
FVC	CUL3	cg22455342	rs7604021	A	T	-0.235	0.024	0.414	3.91E-23	0.000	0.002	0.855	0.026	98.080	TRUE	1.15E-22
FVC	CUL3	cg22455342	rs7605993	T	A	0.345	0.029	0.185	3.25E-32	-0.011	0.003	3.18E-04	0.036	139.527	TRUE	8.09E-30
FVC	CX3CL1	cg01555705	rs675841	A	G	0.238	0.028	0.214	6.91E-17	-0.006	0.003	0.024	0.018	69.661	TRUE	7.28E-16
FVC	CX3CL1	cg06166915	rs62037087	T	C	-0.426	0.054	0.051	1.97E-15	0.002	0.006	0.751	0.017	63.064	TRUE	4.10E-15
FVC	CX3CL1	cg15195412	rs11644148	G	C	-0.232	0.030	0.175	2.17E-14	-0.008	0.003	0.014	0.016	58.341	TRUE	2.09E-13
FVC	CX3CL1	cg26644853	rs72301	A	G	-0.350	0.049	0.061	1.40E-12	0.002	0.005	0.624	0.013	50.157	TRUE	2.83E-12
FVC	CYLD	cg01646516	rs10451132	T	G	-0.305	0.044	0.081	2.59E-12	0.002	0.005	0.657	0.013	48.952	TRUE	5.00E-12
FVC	CYLD	cg20769774	rs3135503	G	T	0.130	0.024	0.418	3.42E-08	-0.006	0.002	0.019	0.008	30.439	TRUE	1.41E-07
FVC	CYP1B1	cg00565882	rs10171638	A	G	0.503	0.033	0.146	2.56E-52	0.001	0.003	0.830	0.059	231.561	TRUE	1.13E-50
FVC	CYP1B1	cg00565882	rs232616	C	G	-0.159	0.027	0.244	7.83E-09	0.004	0.003	0.128	0.009	33.300	TRUE	2.32E-08
FVC	CYP1B1	cg00565882	rs76137941	A	G	0.466	0.076	0.029	9.06E-10	-0.009	0.007	0.199	0.010	37.496	TRUE	2.50E-09
FVC	CYP1B1	cg02162897	rs10178134	A	G	0.350	0.027	0.279	9.76E-40	0.007	0.003	0.004	0.045	173.933	TRUE	3.00E-37
FVC	CYP1B1	cg02162897	rs10185948	C	T	0.240	0.039	0.108	1.04E-09	0.000	0.004	0.940	0.010	37.237	TRUE	1.40E-09
FVC	CYP1B1	cg02162897	rs142450355	A	G	-0.457	0.080	0.024	1.17E-08	0.002	0.008	0.811	0.009	32.516	TRUE	1.66E-08
FVC	CYP1B1	cg02162897	rs232616	C	G	-0.173	0.027	0.244	2.89E-10	0.004	0.003	0.128	0.011	39.728	TRUE	9.76E-10
FVC	CYP1B1	cg03890222	rs10201389	T	A	0.154	0.026	0.282	5.20E-09	0.007	0.003	0.005	0.009	34.095	TRUE	3.13E-08
FVC	CYP1B1	cg05062676	rs10012	C	G	-0.175	0.026	0.283	3.52E-11	0.007	0.003	0.004	0.012	43.840	TRUE	2.89E-10
FVC	CYP1B1	cg05062676	rs2447754	G	C	0.325	0.027	0.244	2.47E-33	0.000	0.003	0.993	0.038	144.643	TRUE	1.28E-32
FVC	CYP1B1	cg05062676	rs35505978	A	G	0.142	0.025	0.305	1.35E-08	0.004	0.003	0.107	0.009	32.247	TRUE	4.10E-08
FVC	CYP1B1	cg06264984	rs2113389	T	C	0.451	0.034	0.139	2.83E-40	0.001	0.003	0.709	0.046	176.393	TRUE	4.33E-39
FVC	CYP1B1	cg06264984	rs4670808	G	A	0.186	0.024	0.392	2.98E-15	0.006	0.002	0.009	0.017	62.245	TRUE	3.37E-14
FVC	CYP1B1	cg07057636	rs4646429	T	C	-0.154	0.026	0.278	6.09E-09	0.007	0.003	0.005	0.009	33.788	TRUE	3.63E-08
FVC	CYP1B1	cg07380506	rs1056827	A	C	1.024	0.021	0.283	<1E-200	0.008	0.003	0.004	0.386	2328.935	TRUE	<1E-200
FVC	CYP1B1	cg07380506	rs113750413	G	A	0.656	0.060	0.040	3.45E-28	-0.002	0.006	0.728	0.032	121.139	TRUE	1.73E-27
FVC	CYP1B1	cg07380506	rs17021846	G	A	0.284	0.048	0.061	2.37E-09	-0.002	0.005	0.648	0.010	35.627	TRUE	3.93E-09
FVC	CYP1B1	cg07380506	rs181290031	A	G	0.737	0.068	0.028	2.19E-27	-0.001	0.007	0.853	0.031	117.476	TRUE	8.80E-27
FVC	CYP1B1	cg07380506	rs187236383	G	C	0.651	0.074	0.027	1.27E-18	0.010	0.007	0.144	0.021	77.544	TRUE	8.29E-18
FVC	CYP1B1	cg07380506	rs2194381	C	T	-0.195	0.034	0.139	1.10E-08	-0.003	0.003	0.339	0.009	32.643	TRUE	2.30E-08
FVC	CYP1B1	cg07380506	rs232549	A	G	-0.293	0.030	0.190	1.36E-22	0.001	0.003	0.664	0.025	95.621	TRUE	4.94E-22
FVC	CYP1B1	cg07380506	rs232573	G	A	-0.148	0.023	0.499	2.78E-10	-0.003	0.002	0.215	0.011	39.803	TRUE	7.88E-10
FVC	CYP1B1	cg07380506	rs4555324	C	G	-0.297	0.054	0.044	4.18E-08	0.004	0.006	0.482	0.008	30.047	TRUE	7.43E-08
FVC	CYP1B1	cg07380506	rs4670810	A	G	0.375	0.023	0.449	3.15E-60	0.008	0.002	8.05E-04	0.068	267.820	TRUE	4.11E-56
FVC	CYP1B1	cg07380506	rs4670858	C	T	0.195	0.024	0.387	7.17E-16	-0.001	0.002	0.744	0.017	65.052	TRUE	1.56E-15
FVC	CYP1B1	cg07380506	rs62133864	A	T	0.714	0.063	0.039	5.11E-30	0.012	0.006	0.060	0.034	129.492	TRUE	1.57E-28

FVC	CYP1B1	cg07380506	rs77615766	G	C	0.850	0.087	0.020	2.25E-22	0.001	0.009	0.888	0.025	94.622	TRUE	6.13E-22
FVC	CYP1B1	cg11656478	rs149502411	T	C	-0.325	0.057	0.045	1.21E-08	0.004	0.006	0.474	0.009	32.461	TRUE	2.22E-08
FVC	CYP1B1	cg11656478	rs2707244	A	C	-0.131	0.023	0.474	2.10E-08	-0.005	0.002	0.041	0.008	31.381	TRUE	7.61E-08
FVC	CYP1B1	cg11656478	rs62136337	G	A	0.270	0.023	0.465	2.24E-31	0.008	0.002	8.20E-04	0.035	135.696	TRUE	4.10E-29
FVC	CYP1B1	cg11751707	rs2567207	G	A	-0.186	0.026	0.280	1.67E-12	0.008	0.003	0.003	0.013	49.808	TRUE	1.76E-11
FVC	CYP1B1	cg12802310	rs1056827	A	C	-0.165	0.027	0.283	4.90E-10	0.008	0.003	0.004	0.010	38.695	TRUE	3.54E-09
FVC	CYP1B1	cg12802310	rs151256	G	A	0.368	0.027	0.246	8.40E-43	0.000	0.003	0.975	0.048	187.966	TRUE	1.06E-41
FVC	CYP1B1	cg12802310	rs336046	G	T	-0.143	0.023	0.446	8.26E-10	0.006	0.002	0.021	0.010	37.678	TRUE	4.11E-09
FVC	CYP1B1	cg20408276	rs10171638	A	G	0.553	0.033	0.146	2.65E-63	0.001	0.003	0.830	0.071	281.923	TRUE	4.65E-61
FVC	CYP1B1	cg20408276	rs150999507	T	C	-0.465	0.080	0.024	6.20E-09	0.002	0.008	0.853	0.009	33.751	TRUE	8.64E-09
FVC	CYP1B1	cg20408276	rs454674	A	T	-0.206	0.027	0.244	6.88E-14	0.004	0.003	0.128	0.015	56.072	TRUE	3.21E-13
FVC	CYP1B1	cg20408276	rs7606492	T	C	0.168	0.027	0.257	7.15E-10	0.005	0.003	0.095	0.010	37.958	TRUE	2.46E-09
FVC	CYP1B1	cg20408276	rs76137941	A	G	0.598	0.076	0.029	3.30E-15	-0.009	0.007	0.199	0.016	62.045	TRUE	1.41E-14
FVC	DAB2IP	cg01305539	rs10117555	G	A	-0.252	0.034	0.135	8.23E-14	0.005	0.003	0.181	0.015	55.719	TRUE	3.31E-13
FVC	DAB2IP	cg03225208	rs10985344	A	G	0.219	0.026	0.257	4.40E-17	0.003	0.003	0.322	0.019	70.549	TRUE	1.76E-16
FVC	DAB2IP	cg04661709	rs10985196	A	C	0.160	0.029	0.206	2.63E-08	0.004	0.003	0.136	0.008	30.944	TRUE	7.17E-08
FVC	DAB2IP	cg04661709	rs10985287	A	G	-0.257	0.025	0.288	3.15E-24	-0.002	0.003	0.527	0.027	103.070	TRUE	1.57E-23
FVC	DAB2IP	cg04661709	rs4836858	T	A	0.347	0.024	0.392	2.01E-47	-0.002	0.002	0.351	0.054	209.131	TRUE	1.42E-45
FVC	DAB2IP	cg04661709	rs58802731	A	C	0.375	0.032	0.159	7.36E-31	0.005	0.003	0.135	0.035	133.336	TRUE	1.65E-29
FVC	DAB2IP	cg04661709	rs7468120	A	G	-0.145	0.026	0.278	3.55E-08	-0.002	0.003	0.369	0.008	30.367	TRUE	6.97E-08
FVC	DAB2IP	cg08980461	rs10818576	G	T	-0.267	0.027	0.243	4.99E-23	0.003	0.003	0.282	0.026	97.598	TRUE	3.42E-22
FVC	DAB2IP	cg10394788	rs10985290	A	G	-0.299	0.042	0.079	1.67E-12	0.000	0.004	0.978	0.013	49.807	TRUE	2.45E-12
FVC	DAB2IP	cg10394788	rs1548782	T	A	0.143	0.024	0.390	3.65E-09	0.000	0.002	0.868	0.009	34.781	TRUE	5.08E-09
FVC	DAB2IP	cg10394788	rs2777319	T	C	-0.463	0.024	0.390	3.34E-85	-0.002	0.002	0.379	0.094	382.415	TRUE	5.57E-81
FVC	DAB2IP	cg10394788	rs514823	T	C	0.199	0.028	0.221	9.42E-13	-0.002	0.003	0.527	0.014	50.933	TRUE	2.14E-12
FVC	DAB2IP	cg10394788	rs72758110	T	G	0.672	0.090	0.017	6.56E-14	-0.001	0.010	0.951	0.015	56.165	TRUE	1.05E-13
FVC	DAB2IP	cg10394788	rs76331566	T	C	0.494	0.051	0.052	3.69E-22	0.005	0.005	0.395	0.025	93.641	TRUE	1.91E-21
FVC	DAB2IP	cg10394788	rs7873850	A	C	0.367	0.031	0.182	1.68E-32	0.004	0.003	0.180	0.037	140.840	TRUE	3.70E-31
FVC	DAB2IP	cg13571216	rs75389670	G	C	0.541	0.072	0.027	4.00E-14	0.003	0.007	0.700	0.015	57.138	TRUE	8.18E-14
FVC	DAB2IP	cg13696706	rs10818576	G	T	0.148	0.027	0.243	4.35E-08	0.003	0.003	0.282	0.008	29.970	TRUE	9.36E-08
FVC	DAB2IP	cg13696706	rs10985284	T	G	0.270	0.025	0.289	1.09E-26	-0.002	0.003	0.531	0.030	114.301	TRUE	6.60E-26
FVC	DAB2IP	cg13696706	rs58802731	A	C	-0.253	0.033	0.159	7.66E-15	0.005	0.003	0.135	0.016	60.387	TRUE	3.78E-14
FVC	DAB2IP	cg13758780	rs112281448	A	G	-0.295	0.051	0.055	1.06E-08	0.003	0.005	0.620	0.009	32.717	TRUE	1.72E-08
FVC	DAB2IP	cg13758780	rs12380661	T	C	0.386	0.025	0.362	1.36E-54	0.000	0.003	0.961	0.061	241.978	TRUE	6.14E-53
FVC	DAB2IP	cg13758780	rs1359085	G	A	0.173	0.024	0.430	2.08E-13	-0.001	0.002	0.649	0.014	53.899	TRUE	4.31E-13
FVC	DAB2IP	cg13758780	rs58802731	A	C	-0.468	0.032	0.159	9.59E-48	0.005	0.003	0.135	0.054	210.600	TRUE	1.51E-45
FVC	DAB2IP	cg13758780	rs6478506	A	G	-0.176	0.029	0.200	1.51E-09	0.003	0.003	0.269	0.010	36.503	TRUE	3.76E-09
FVC	DAB2IP	cg13758780	rs7039494	T	A	-0.204	0.030	0.181	2.19E-11	-0.001	0.003	0.833	0.012	44.773	TRUE	3.46E-11
FVC	DAB2IP	cg13833607	rs10985342	G	A	-0.220	0.027	0.237	2.88E-16	0.006	0.008	0.457	0.018	66.848	TRUE	8.91E-16
FVC	DAB2IP	cg14021373	rs10985320	C	T	-0.216	0.032	0.157	2.09E-11	0.004	0.003	0.261	0.012	44.859	TRUE	5.95E-11
FVC	DAB2IP	cg14021373	rs57185433	T	C	-1.468	0.085	0.020	4.15E-66	-0.010	0.009	0.270	0.074	294.789	TRUE	4.49E-63
FVC	DAB2IP	cg14136214	rs7854651	G	A	-0.214	0.023	0.477	1.86E-20	-0.005	0.002	0.024	0.023	85.891	TRUE	2.78E-19

FVC	DAB2IP	cg14190522	rs10120537	T	G	-0.184	0.024	0.374	2.95E-14	-0.003	0.002	0.254	0.015	57.738	TRUE	1.04E-13
FVC	DAB2IP	cg14190522	rs10739588	A	G	-0.147	0.025	0.302	6.06E-09	0.002	0.003	0.468	0.009	33.798	TRUE	1.15E-08
FVC	DAB2IP	cg14190522	rs10985315	C	T	0.594	0.030	0.182	1.97E-85	0.004	0.003	0.195	0.094	383.468	TRUE	7.19E-81
FVC	DAB2IP	cg14190522	rs116945153	T	C	-0.415	0.062	0.032	2.94E-11	-0.004	0.006	0.556	0.012	44.192	TRUE	5.87E-11
FVC	DAB2IP	cg14190522	rs3915531	A	T	0.284	0.033	0.147	3.19E-18	0.002	0.003	0.537	0.020	75.726	TRUE	1.01E-17
FVC	DAB2IP	cg14190522	rs603315	T	C	-0.391	0.031	0.160	1.37E-36	0.002	0.003	0.507	0.041	159.530	TRUE	2.05E-35
FVC	DAB2IP	cg14190522	rs72760242	A	G	0.265	0.039	0.108	1.57E-11	-0.004	0.004	0.306	0.012	45.424	TRUE	4.15E-11
FVC	DAB2IP	cg14254686	rs150611873	T	C	-0.130	0.024	0.488	3.57E-08	-0.008	0.002	0.001	0.008	30.351	TRUE	2.36E-07
FVC	DAB2IP	cg14594111	rs10985290	A	G	-0.242	0.042	0.079	1.09E-08	0.000	0.004	0.978	0.009	32.657	TRUE	1.37E-08
FVC	DAB2IP	cg14594111	rs1106006	T	G	0.166	0.028	0.230	3.32E-09	0.004	0.003	0.206	0.009	34.965	TRUE	8.77E-09
FVC	DAB2IP	cg14594111	rs1984037	G	C	0.213	0.026	0.284	6.82E-16	0.004	0.003	0.092	0.017	65.148	TRUE	4.23E-15
FVC	DAB2IP	cg14594111	rs36084561	T	C	-0.264	0.029	0.203	4.62E-20	0.010	0.003	0.001	0.022	84.090	TRUE	1.55E-18
FVC	DAB2IP	cg14594111	rs57455029	A	G	-0.341	0.053	0.050	1.31E-10	0.002	0.006	0.726	0.011	41.278	TRUE	2.17E-10
FVC	DAB2IP	cg14594111	rs60432659	T	C	0.187	0.031	0.181	1.84E-09	0.004	0.003	0.222	0.010	36.120	TRUE	4.76E-09
FVC	DAB2IP	cg14594111	rs7025486	A	G	-0.666	0.025	0.263	7.80E-152	0.003	0.003	0.305	0.157	688.516	TRUE	7.29E-141
FVC	DAB2IP	cg14594111	rs72764062	T	A	0.447	0.061	0.035	2.40E-13	-0.001	0.006	0.904	0.014	53.615	TRUE	3.91E-13
FVC	DAB2IP	cg14594111	rs73540817	A	T	-0.359	0.061	0.036	3.34E-09	-0.001	0.006	0.904	0.009	34.954	TRUE	4.55E-09
FVC	DAB2IP	cg14594111	rs7468120	A	G	0.163	0.026	0.278	5.81E-10	-0.002	0.003	0.369	0.010	38.363	TRUE	1.29E-09
FVC	DAB2IP	cg14594111	rs78424955	A	G	-0.347	0.033	0.138	1.15E-25	0.002	0.003	0.516	0.029	109.617	TRUE	6.64E-25
FVC	DAB2IP	cg14594187	rs10760198	G	A	-0.142	0.023	0.432	1.14E-09	-0.004	0.002	0.063	0.010	37.049	TRUE	4.29E-09
FVC	DAB2IP	cg14611152	rs1984037	G	C	0.149	0.026	0.284	1.85E-08	0.004	0.003	0.092	0.008	31.627	TRUE	5.72E-08
FVC	DAB2IP	cg14611152	rs36084561	T	C	-0.222	0.029	0.203	1.31E-14	0.010	0.003	0.001	0.016	59.339	TRUE	2.13E-13
FVC	DAB2IP	cg14611152	rs7025486	A	G	-0.519	0.026	0.263	1.90E-89	0.003	0.003	0.305	0.098	401.908	TRUE	9.21E-85
FVC	DAB2IP	cg14611152	rs7468120	A	G	0.150	0.026	0.278	1.24E-08	-0.002	0.003	0.369	0.009	32.413	TRUE	2.50E-08
FVC	DAB2IP	cg14611152	rs78424955	A	G	-0.266	0.033	0.138	1.07E-15	0.002	0.003	0.516	0.017	64.255	TRUE	2.99E-15
FVC	DAB2IP	cg21182461	rs7853819	G	A	-0.232	0.026	0.267	2.23E-18	0.002	0.003	0.559	0.020	76.433	TRUE	6.91E-18
FVC	DAB2IP	cg21234082	rs10120537	T	G	0.435	0.024	0.374	4.99E-75	-0.003	0.002	0.254	0.083	335.718	TRUE	2.28E-71
FVC	DAB2IP	cg21234082	rs10818491	T	C	0.137	0.023	0.435	4.88E-09	-0.004	0.002	0.102	0.009	34.217	TRUE	1.54E-08
FVC	DAB2IP	cg21234082	rs10985332	T	C	-0.263	0.030	0.200	1.26E-18	0.004	0.003	0.160	0.021	77.555	TRUE	8.15E-18
FVC	DAB2IP	cg21234082	rs10985449	A	C	0.176	0.024	0.428	2.35E-13	0.005	0.003	0.045	0.014	53.655	TRUE	1.39E-12
FVC	DAB2IP	cg21234082	rs118115974	A	G	-0.624	0.094	0.028	2.53E-11	0.007	0.006	0.259	0.012	44.484	TRUE	7.19E-11
FVC	DAB2IP	cg21234082	rs12156434	C	T	0.265	0.031	0.173	2.78E-17	0.000	0.003	0.921	0.019	71.454	TRUE	5.40E-17
FVC	DAB2IP	cg21234082	rs12237140	T	C	-0.561	0.099	0.015	1.22E-08	-0.001	0.010	0.887	0.009	32.438	TRUE	1.63E-08
FVC	DAB2IP	cg21234082	rs12350307	A	G	-0.351	0.045	0.073	4.16E-15	0.003	0.005	0.537	0.016	61.590	TRUE	1.08E-14
FVC	DAB2IP	cg21234082	rs149391267	T	C	-0.889	0.122	0.022	2.69E-13	0.006	0.008	0.393	0.014	53.391	TRUE	7.32E-13
FVC	DAB2IP	cg21234082	rs16911057	A	G	-0.400	0.036	0.121	9.00E-29	0.002	0.004	0.526	0.032	123.801	TRUE	6.57E-28
FVC	DAB2IP	cg21234082	rs17292952	A	G	-0.596	0.063	0.046	6.37E-21	-0.002	0.006	0.771	0.023	88.005	TRUE	1.82E-20
FVC	DAB2IP	cg21234082	rs2300932	A	C	0.294	0.024	0.394	2.13E-34	-0.002	0.002	0.538	0.039	149.514	TRUE	2.49E-33
FVC	DAB2IP	cg21234082	rs2789883	G	A	-1.251	0.017	0.257	<1E-200	0.002	0.003	0.540	0.582	5148.880	TRUE	<1E-200
FVC	DAB2IP	cg21234082	rs34846876	C	T	-0.171	0.029	0.222	2.89E-09	0.004	0.003	0.180	0.009	35.237	TRUE	7.98E-09
FVC	DAB2IP	cg21234082	rs514823	T	C	0.409	0.028	0.221	9.12E-50	-0.002	0.003	0.527	0.056	219.864	TRUE	5.52E-48
FVC	DAB2IP	cg21234082	rs57455029	A	G	-0.292	0.053	0.050	4.11E-08	0.002	0.006	0.726	0.008	30.083	TRUE	6.03E-08

FVC	DAB2IP	cg21234082	rs72758134	G	T	0.226	0.032	0.160	1.14E-12	-0.010	0.003	0.003	0.013	50.555	TRUE	1.31E-11
FVC	DAB2IP	cg21234082	rs75318126	T	C	0.317	0.030	0.186	9.47E-26	0.004	0.003	0.191	0.029	110.008	TRUE	1.01E-24
FVC	DAB2IP	cg21234082	rs75791887	C	T	-0.507	0.055	0.044	2.85E-20	0.000	0.006	0.988	0.022	85.046	TRUE	6.13E-20
FVC	DAB2IP	cg21234082	rs78424955	A	G	0.219	0.033	0.138	5.11E-11	0.002	0.003	0.516	0.012	43.112	TRUE	1.06E-10
FVC	DAB2IP	cg21234082	rs7861752	T	C	0.167	0.024	0.435	2.13E-12	-0.007	0.002	0.003	0.013	49.334	TRUE	2.14E-11
FVC	DAB2IP	cg21234082	rs9408927	G	T	0.300	0.051	0.055	4.54E-09	0.004	0.005	0.495	0.009	34.359	TRUE	8.45E-09
FVC	DAPK1	cg08719486	rs10746812	C	T	0.332	0.024	0.374	3.66E-43	0.005	0.002	0.053	0.049	189.615	TRUE	5.80E-41
FVC	DAPK1	cg13752933	rs3758308	T	C	0.173	0.023	0.455	1.91E-13	-0.006	0.002	0.011	0.014	54.065	TRUE	1.65E-12
FVC	DAPK1	cg13765778	rs10746806	A	G	-0.135	0.023	0.483	7.98E-09	0.004	0.002	0.073	0.009	33.263	TRUE	2.64E-08
FVC	DAPK1	cg13765778	rs11789129	T	C	-0.253	0.045	0.062	1.62E-08	0.006	0.005	0.221	0.009	31.882	TRUE	3.91E-08
FVC	DAPK1	cg13765778	rs11795212	G	T	-0.849	0.097	0.024	2.86E-18	0.010	0.008	0.181	0.020	75.946	TRUE	1.64E-17
FVC	DAPK1	cg13823120	rs10746812	C	T	0.364	0.024	0.374	6.10E-52	0.005	0.002	0.053	0.058	229.830	TRUE	3.12E-49
FVC	DAPK1	cg14250336	rs13290498	G	A	-0.172	0.024	0.361	1.69E-12	0.001	0.003	0.598	0.013	49.793	TRUE	3.46E-12
FVC	DAPK1	cg17984409	rs3128470	C	T	0.248	0.045	0.152	3.79E-08	0.006	0.003	0.051	0.008	30.240	TRUE	1.31E-07
FVC	DAPK1	cg21180703	rs1861827	T	C	-0.951	0.060	0.084	1.30E-56	0.002	0.004	0.608	0.064	251.237	TRUE	1.54E-54
FVC	DAPK1	cg21180703	rs1861828	C	T	0.181	0.024	0.428	2.00E-14	0.002	0.002	0.340	0.016	58.496	TRUE	6.36E-14
FVC	DAPK1	cg21180703	rs3118839	T	C	-0.141	0.023	0.477	1.43E-09	0.000	0.002	0.860	0.010	36.612	TRUE	2.02E-09
FVC	DAPK1	cg21180703	rs7874328	G	A	-0.273	0.024	0.401	3.14E-30	0.001	0.002	0.612	0.034	130.460	TRUE	2.20E-29
FVC	DAPK1	cg21180703	rs9410612	T	A	-0.227	0.025	0.327	3.84E-20	0.000	0.003	0.980	0.022	84.456	TRUE	8.37E-20
FVC	DAPL1	cg09357934	rs13401347	A	G	0.390	0.038	0.106	3.55E-24	-0.008	0.004	0.041	0.027	102.832	TRUE	6.86E-23
FVC	DAPL1	cg09357934	rs2356509	C	T	-0.559	0.023	0.402	2.25E-129	0.006	0.002	0.010	0.137	585.298	TRUE	1.89E-119
FVC	DAPL1	cg09357934	rs4027725	T	C	-0.476	0.038	0.104	1.28E-35	0.001	0.004	0.766	0.040	155.089	TRUE	1.15E-34
FVC	DAPL1	cg09357934	rs59181921	G	A	0.161	0.023	0.451	6.38E-12	-0.005	0.002	0.051	0.013	47.185	TRUE	3.16E-11
FVC	DAPL1	cg09357934	rs6757197	G	T	0.231	0.024	0.420	2.26E-22	0.003	0.002	0.170	0.025	94.607	TRUE	1.94E-21
FVC	DAPL1	cg09357934	rs77696192	G	A	-0.203	0.033	0.157	1.26E-09	0.012	0.003	5.44E-04	0.010	36.858	TRUE	1.21E-08
FVC	DAPL1	cg21992932	rs11690492	C	T	0.412	0.037	0.113	2.56E-28	-0.006	0.004	0.106	0.032	121.732	TRUE	4.95E-27
FVC	DAPL1	cg21992932	rs2356509	C	T	-0.637	0.023	0.402	2.77E-172	0.006	0.002	0.010	0.175	782.514	TRUE	5.29E-157
FVC	DAPL1	cg21992932	rs4027725	T	C	-0.409	0.038	0.104	1.22E-26	0.001	0.004	0.766	0.030	114.065	TRUE	5.24E-26
FVC	DAPL1	cg21992932	rs55796386	C	T	-0.425	0.066	0.088	9.67E-11	-0.004	0.004	0.382	0.011	41.865	TRUE	2.25E-10
FVC	DAPL1	cg21992932	rs6757197	G	T	0.249	0.024	0.420	9.60E-26	0.003	0.002	0.170	0.029	109.981	TRUE	1.12E-24
FVC	DAPL1	cg21992932	rs72953171	T	G	-0.223	0.027	0.269	8.76E-17	0.001	0.003	0.671	0.018	69.193	TRUE	2.16E-16
FVC	DAPL1	cg21992932	rs77696192	G	A	-0.200	0.034	0.157	2.61E-09	0.012	0.003	5.44E-04	0.009	35.439	TRUE	2.38E-08
FVC	DAPL1	cg21992932	rs9789420	T	C	0.137	0.024	0.396	1.43E-08	-0.003	0.002	0.205	0.009	32.127	TRUE	3.60E-08
FVC	DAPL1	cg23560546	rs13401347	A	G	0.398	0.038	0.106	3.48E-25	-0.008	0.004	0.041	0.028	107.432	TRUE	7.49E-24
FVC	DAPL1	cg23560546	rs4027725	T	C	-0.401	0.038	0.104	1.17E-25	0.001	0.004	0.766	0.029	109.587	TRUE	4.67E-25
FVC	DAPL1	cg23560546	rs55796386	C	T	-0.404	0.066	0.088	8.03E-10	-0.004	0.004	0.382	0.010	37.733	TRUE	1.75E-09
FVC	DAPL1	cg23560546	rs6757197	G	T	0.227	0.024	0.420	1.06E-21	0.003	0.002	0.170	0.024	91.551	TRUE	8.55E-21
FVC	DAPL1	cg23560546	rs72953161	G	C	-0.201	0.027	0.265	7.29E-14	0.001	0.003	0.688	0.015	55.959	TRUE	1.51E-13
FVC	DAPL1	cg23560546	rs77696192	G	A	-0.211	0.033	0.157	2.87E-10	0.012	0.003	5.44E-04	0.011	39.742	TRUE	3.04E-09
FVC	DAPL1	cg23560546	rs925781	A	G	-0.606	0.023	0.403	9.78E-154	0.006	0.002	0.009	0.159	697.256	TRUE	7.35E-141
FVC	DAXX	cg03477252	rs3106194	A	G	0.319	0.025	0.310	2.40E-36	0.005	0.003	0.067	0.041	158.420	TRUE	1.50E-34
FVC	DAXX	cg03477252	rs55844831	G	A	0.333	0.060	0.035	3.20E-08	0.006	0.006	0.362	0.008	30.566	TRUE	6.40E-08

FVC	DAXX	cg04086445	rs11757081	T	A	-0.261	0.027	0.233	9.61E-23	0.000	0.003	0.920	0.025	96.301	TRUE	2.62E-22
FVC	DAXX	cg04086445	rs12202730	T	C	0.302	0.045	0.071	2.89E-11	0.000	0.005	0.952	0.012	44.224	TRUE	4.13E-11
FVC	DAXX	cg04086445	rs143149014	C	T	0.564	0.074	0.029	2.36E-14	-0.002	0.007	0.739	0.015	58.176	TRUE	4.73E-14
FVC	DAXX	cg04086445	rs150420498	A	G	0.698	0.087	0.022	1.35E-15	0.012	0.008	0.141	0.017	63.798	TRUE	6.92E-15
FVC	DAXX	cg04086445	rs210155	C	T	-0.209	0.024	0.424	9.58E-19	-0.005	0.002	0.038	0.021	78.101	TRUE	1.11E-17
FVC	DAXX	cg04086445	rs2104362	G	A	-0.143	0.026	0.272	1.92E-08	-0.007	0.003	0.008	0.008	31.560	TRUE	9.86E-08
FVC	DAXX	cg04086445	rs2239839	A	C	0.763	0.024	0.310	9.08E-230	0.005	0.003	0.072	0.221	1046.805	TRUE	1.32E-206
FVC	DAXX	cg04086445	rs23544	T	C	0.148	0.024	0.410	3.47E-10	0.009	0.002	8.05E-05	0.011	39.371	TRUE	4.65E-09
FVC	DAXX	cg04086445	rs3130257	T	C	-0.260	0.034	0.126	1.40E-14	0.005	0.004	0.148	0.016	59.200	TRUE	6.48E-14
FVC	DAXX	cg04086445	rs443972	C	T	-0.417	0.075	0.035	2.30E-08	0.004	0.006	0.538	0.008	31.208	TRUE	3.96E-08
FVC	DAXX	cg04086445	rs5745565	C	T	0.585	0.074	0.030	2.29E-15	0.003	0.007	0.711	0.017	62.764	TRUE	4.99E-15
FVC	DAXX	cg04086445	rs622917	T	C	-0.142	0.023	0.472	1.09E-09	-0.002	0.002	0.444	0.010	37.145	TRUE	2.18E-09
FVC	DAXX	cg04086445	rs6457734	T	G	-0.252	0.026	0.281	1.16E-22	-0.003	0.003	0.259	0.025	95.924	TRUE	8.04E-22
FVC	DAXX	cg04086445	rs78906361	C	T	-0.300	0.052	0.053	9.78E-09	-0.016	0.005	0.003	0.009	32.867	TRUE	6.42E-08
FVC	DAXX	cg04086445	rs9469532	A	G	-0.160	0.024	0.370	2.75E-11	0.003	0.002	0.250	0.012	44.325	TRUE	7.95E-11
FVC	DAXX	cg05431670	rs114542428	G	A	-0.353	0.046	0.075	9.97E-15	-0.013	0.005	0.008	0.016	59.870	TRUE	1.12E-13
FVC	DAXX	cg05431670	rs115775530	A	T	0.768	0.075	0.028	2.24E-24	-0.004	0.007	0.559	0.027	103.742	TRUE	1.07E-23
FVC	DAXX	cg05431670	rs12202730	T	C	0.610	0.045	0.071	4.50E-41	0.000	0.005	0.952	0.046	180.049	TRUE	4.97E-40
FVC	DAXX	cg05431670	rs12214637	A	G	0.175	0.028	0.225	5.08E-10	-0.001	0.003	0.762	0.010	38.625	TRUE	8.04E-10
FVC	DAXX	cg05431670	rs146253626	T	C	0.835	0.091	0.034	5.20E-20	0.000	0.008	0.984	0.022	83.855	TRUE	1.11E-19
FVC	DAXX	cg05431670	rs1535949	A	G	0.180	0.028	0.233	1.73E-10	0.006	0.003	0.037	0.011	40.726	TRUE	8.36E-10
FVC	DAXX	cg05431670	rs210155	C	T	-0.263	0.024	0.424	3.88E-28	-0.005	0.002	0.038	0.032	120.906	TRUE	1.24E-26
FVC	DAXX	cg05431670	rs2104362	G	A	-0.207	0.026	0.272	1.19E-15	-0.007	0.003	0.008	0.017	64.057	TRUE	1.48E-14
FVC	DAXX	cg05431670	rs2269610	C	G	-0.405	0.031	0.163	1.84E-39	-0.006	0.003	0.044	0.045	172.677	TRUE	1.93E-37
FVC	DAXX	cg05431670	rs2274198	A	G	-0.141	0.025	0.354	1.13E-08	0.001	0.002	0.804	0.009	32.583	TRUE	1.61E-08
FVC	DAXX	cg05431670	rs23544	T	C	0.243	0.024	0.410	3.33E-24	0.009	0.002	8.05E-05	0.027	102.959	TRUE	3.75E-22
FVC	DAXX	cg05431670	rs3130256	A	G	0.975	0.019	0.350	<1E-200	0.007	0.003	0.004	0.410	2575.802	TRUE	<1E-200
FVC	DAXX	cg05431670	rs34931270	A	G	0.806	0.085	0.024	1.59E-21	-0.001	0.007	0.881	0.024	90.752	TRUE	4.16E-21
FVC	DAXX	cg05431670	rs35881303	A	G	-0.415	0.024	0.401	1.80E-69	-0.002	0.002	0.354	0.077	310.218	TRUE	2.40E-66
FVC	DAXX	cg05431670	rs443972	C	T	-0.423	0.075	0.035	1.44E-08	0.004	0.006	0.538	0.009	32.116	TRUE	2.51E-08
FVC	DAXX	cg05431670	rs4559081	A	G	0.208	0.030	0.186	3.42E-12	0.000	0.003	0.992	0.013	48.404	TRUE	4.87E-12
FVC	DAXX	cg05431670	rs547391	A	T	0.344	0.028	0.242	1.16E-34	0.001	0.003	0.688	0.039	150.712	TRUE	1.06E-33
FVC	DAXX	cg05431670	rs55844831	G	A	0.780	0.060	0.035	2.74E-38	0.006	0.006	0.362	0.043	167.305	TRUE	6.66E-37
FVC	DAXX	cg05431670	rs622917	T	C	-0.260	0.023	0.472	1.26E-28	-0.002	0.002	0.444	0.032	123.130	TRUE	1.01E-27
FVC	DAXX	cg05431670	rs68191	C	T	-0.309	0.040	0.094	1.54E-14	-0.003	0.004	0.501	0.016	59.021	TRUE	3.99E-14
FVC	DAXX	cg05431670	rs73420616	A	G	-0.296	0.054	0.050	4.74E-08	0.000	0.006	0.940	0.008	29.803	TRUE	5.98E-08
FVC	DAXX	cg05431670	rs78372511	A	G	-0.387	0.061	0.037	2.48E-10	0.022	0.006	7.14E-04	0.011	40.022	TRUE	2.47E-09
FVC	DAXX	cg09365002	rs2239839	A	C	0.254	0.026	0.310	2.74E-23	0.005	0.003	0.072	0.026	98.788	TRUE	3.94E-22
FVC	DAXX	cg09597022	rs3106194	A	G	0.288	0.026	0.310	2.00E-29	0.005	0.003	0.067	0.033	126.783	TRUE	5.72E-28
FVC	DAXX	cg09992055	rs469064	A	C	0.144	0.023	0.498	4.41E-10	0.000	0.002	0.874	0.010	38.901	TRUE	6.40E-10
FVC	DAXX	cg13826470	rs115775530	A	T	0.720	0.075	0.028	1.05E-21	-0.004	0.007	0.559	0.024	91.565	TRUE	4.14E-21
FVC	DAXX	cg13826470	rs11966717	T	C	-0.283	0.052	0.054	4.22E-08	-0.013	0.005	0.016	0.008	30.031	TRUE	1.82E-07

FVC	DAXX	cg13826470	rs12202730	T	C	0.438	0.046	0.071	7.58E-22	0.000	0.005	0.952	0.024	92.216	TRUE	1.87E-21
FVC	DAXX	cg13826470	rs146253626	T	C	0.574	0.091	0.034	2.98E-10	0.000	0.008	0.984	0.011	39.667	TRUE	3.98E-10
FVC	DAXX	cg13826470	rs1535949	A	G	0.159	0.028	0.233	1.54E-08	0.006	0.003	0.037	0.009	31.979	TRUE	6.02E-08
FVC	DAXX	cg13826470	rs210199	A	C	-0.181	0.025	0.366	1.85E-13	-0.004	0.002	0.081	0.014	54.133	TRUE	9.78E-13
FVC	DAXX	cg13826470	rs2239839	A	C	0.959	0.020	0.310	<1E-200	0.005	0.003	0.072	0.379	2261.272	TRUE	<1E-200
FVC	DAXX	cg13826470	rs2269610	C	G	-0.258	0.031	0.163	7.26E-17	-0.006	0.003	0.044	0.018	69.564	TRUE	6.27E-16
FVC	DAXX	cg13826470	rs23544	T	C	0.222	0.024	0.410	1.09E-20	0.009	0.002	8.05E-05	0.023	86.947	TRUE	7.34E-19
FVC	DAXX	cg13826470	rs34931270	A	G	0.802	0.085	0.024	2.55E-21	-0.001	0.007	0.881	0.024	89.817	TRUE	6.59E-21
FVC	DAXX	cg13826470	rs493063	A	G	0.291	0.030	0.212	7.78E-23	0.001	0.003	0.803	0.025	96.719	TRUE	2.41E-22
FVC	DAXX	cg13826470	rs55844831	G	A	0.669	0.060	0.035	8.65E-29	0.006	0.006	0.362	0.032	123.880	TRUE	8.38E-28
FVC	DAXX	cg13826470	rs622917	T	C	-0.223	0.023	0.472	1.92E-21	-0.002	0.002	0.444	0.024	90.376	TRUE	8.61E-21
FVC	DAXX	cg13826470	rs6457734	T	G	-0.276	0.026	0.281	1.63E-26	-0.003	0.003	0.259	0.030	113.492	TRUE	1.58E-25
FVC	DAXX	cg13826470	rs7750412	G	A	-0.182	0.030	0.193	7.74E-10	-0.001	0.003	0.693	0.010	37.805	TRUE	1.27E-09
FVC	DAXX	cg13826470	rs9461921	A	G	0.134	0.023	0.492	9.22E-09	0.002	0.002	0.436	0.009	32.981	TRUE	1.74E-08
FVC	DAXX	cg14910283	rs3130018	A	G	0.139	0.023	0.485	1.93E-09	0.001	0.002	0.786	0.010	36.023	TRUE	2.87E-09
FVC	DAXX	cg18934106	rs2269610	C	G	-0.202	0.031	0.163	7.29E-11	-0.006	0.003	0.044	0.011	42.417	TRUE	3.42E-10
FVC	DAXX	cg20223162	rs10947459	T	G	0.224	0.032	0.167	2.38E-12	-0.004	0.003	0.261	0.013	49.118	TRUE	7.27E-12
FVC	DAXX	cg20223162	rs111461772	A	C	0.370	0.053	0.042	2.37E-12	-0.019	0.005	3.61E-04	0.013	49.122	TRUE	3.59E-11
FVC	DAXX	cg20223162	rs114542428	G	A	-0.417	0.045	0.075	4.22E-20	-0.013	0.005	0.008	0.022	84.267	TRUE	8.95E-19
FVC	DAXX	cg20223162	rs12190797	A	G	0.348	0.047	0.068	2.08E-13	0.006	0.005	0.216	0.014	53.903	TRUE	7.48E-13
FVC	DAXX	cg20223162	rs151719	C	T	-0.198	0.027	0.248	2.11E-13	0.001	0.003	0.727	0.014	53.871	TRUE	4.11E-13
FVC	DAXX	cg20223162	rs2071556	G	T	-0.138	0.024	0.407	8.06E-09	-0.007	0.002	0.006	0.009	33.242	TRUE	4.49E-08
FVC	DAXX	cg20223162	rs210134	A	G	-0.293	0.025	0.312	6.18E-32	-0.008	0.003	0.001	0.036	138.252	TRUE	1.04E-29
FVC	DAXX	cg20223162	rs2104362	G	A	-0.148	0.026	0.272	1.14E-08	-0.007	0.003	0.008	0.009	32.577	TRUE	6.01E-08
FVC	DAXX	cg20223162	rs443972	C	T	-0.539	0.074	0.035	4.34E-13	0.004	0.006	0.538	0.014	52.457	TRUE	9.91E-13
FVC	DAXX	cg20223162	rs467274	T	C	-0.490	0.036	0.110	4.72E-42	0.010	0.004	0.010	0.048	184.534	TRUE	1.43E-39
FVC	DAXX	cg20223162	rs469064	A	C	0.824	0.020	0.498	<1E-200	0.000	0.002	0.874	0.319	1728.854	TRUE	<1E-200
FVC	DAXX	cg20223162	rs4713637	C	G	0.237	0.030	0.203	5.34E-15	0.003	0.003	0.303	0.016	61.098	TRUE	1.87E-14
FVC	DAXX	cg20223162	rs4713651	T	C	-0.230	0.030	0.182	2.14E-14	0.000	0.003	0.948	0.016	58.367	TRUE	3.51E-14
FVC	DAXX	cg20223162	rs55844831	G	A	0.466	0.061	0.035	1.44E-14	0.006	0.006	0.362	0.016	59.147	TRUE	4.48E-14
FVC	DAXX	cg20223162	rs59248104	G	A	-0.207	0.037	0.124	1.48E-08	0.000	0.004	0.922	0.009	32.058	TRUE	1.95E-08
FVC	DAXX	cg20223162	rs761583	G	A	0.459	0.059	0.041	1.13E-14	0.018	0.006	0.001	0.016	59.623	TRUE	1.90E-13
FVC	DAXX	cg20223162	rs77412621	T	C	0.406	0.060	0.045	1.40E-11	-0.007	0.005	0.227	0.012	45.651	TRUE	4.28E-11
FVC	DAXX	cg20223162	rs9469494	G	A	0.140	0.026	0.288	4.17E-08	-0.001	0.003	0.722	0.008	30.054	TRUE	6.15E-08
FVC	DAXX	cg20618109	rs2051625	C	T	0.784	0.102	0.012	1.48E-14	-0.007	0.011	0.527	0.016	59.091	TRUE	3.74E-14
FVC	DAXX	cg22904406	rs2239839	A	C	0.396	0.025	0.310	8.57E-55	0.005	0.003	0.072	0.062	242.904	TRUE	5.53E-52
FVC	DAXX	cg22904406	rs3130257	T	C	-0.196	0.034	0.126	1.40E-08	0.005	0.004	0.148	0.009	32.171	TRUE	3.85E-08
FVC	DAXX	cg26500914	rs3106194	A	G	0.397	0.025	0.310	4.67E-55	0.005	0.003	0.067	0.062	244.112	TRUE	3.32E-52
FVC	DAXX	cg26521092	rs12202730	T	C	0.285	0.045	0.071	3.40E-10	0.000	0.005	0.952	0.011	39.411	TRUE	4.63E-10
FVC	DAXX	cg26521092	rs210129	G	A	-0.201	0.029	0.202	1.87E-12	-0.008	0.003	0.004	0.013	49.587	TRUE	1.83E-11
FVC	DAXX	cg26521092	rs2239839	A	C	0.620	0.024	0.310	3.58E-145	0.005	0.003	0.072	0.151	657.898	TRUE	3.65E-134
FVC	DAXX	cg26521092	rs2269610	C	G	-0.195	0.031	0.163	2.07E-10	-0.006	0.003	0.044	0.011	40.379	TRUE	9.26E-10

FVC	DAXX	cg26521092	rs23544	T	C	0.139	0.024	0.410	3.67E-09	0.009	0.002	8.05E-05	0.009	34.771	TRUE	4.14E-08
FVC	DAXX	cg26521092	rs34931270	A	G	0.516	0.085	0.024	1.21E-09	-0.001	0.007	0.881	0.010	36.939	TRUE	1.70E-09
FVC	DAXX	cg26521092	rs55844831	G	A	0.487	0.059	0.035	2.48E-16	0.006	0.006	0.362	0.018	67.140	TRUE	8.77E-16
FVC	DAXX	cg26521092	rs78581891	C	G	0.412	0.074	0.029	2.03E-08	-0.003	0.007	0.728	0.008	31.446	TRUE	3.03E-08
FVC	DAXX	cg26521092	rs9469525	A	G	0.184	0.029	0.205	3.76E-10	0.003	0.003	0.326	0.010	39.213	TRUE	8.84E-10
FVC	DAXX	cg27052777	rs3130018	A	G	0.195	0.023	0.485	7.94E-17	0.001	0.002	0.786	0.018	69.387	TRUE	1.72E-16
FVC	DCC	cg00399483	rs1222938	G	A	-0.157	0.027	0.262	7.15E-09	0.007	0.003	0.005	0.009	33.475	TRUE	4.08E-08
FVC	DCC	cg00399483	rs12965852	A	G	-0.340	0.049	0.062	5.41E-12	0.002	0.005	0.742	0.013	47.508	TRUE	9.52E-12
FVC	DCC	cg00399483	rs2060125	C	T	-0.173	0.024	0.372	3.86E-13	0.003	0.002	0.289	0.014	52.684	TRUE	1.22E-12
FVC	DCC	cg00399483	rs7242705	A	T	0.461	0.024	0.360	1.28E-83	-0.007	0.002	0.007	0.092	375.147	TRUE	4.41E-78
FVC	DCC	cg00399483	rs9952404	C	T	-0.228	0.024	0.340	1.26E-20	0.006	0.002	0.017	0.023	86.664	TRUE	2.29E-19
FVC	DCC	cg05416337	rs10502942	T	C	-0.969	0.034	0.112	2.46E-183	0.000	0.004	0.954	0.184	833.317	TRUE	2.08E-169
FVC	DCC	cg05416337	rs1144049	C	T	-0.191	0.024	0.447	5.67E-16	-0.001	0.002	0.776	0.017	65.514	TRUE	1.20E-15
FVC	DCC	cg05416337	rs117072189	G	T	-0.637	0.089	0.023	7.75E-13	-0.001	0.008	0.873	0.014	51.316	TRUE	1.26E-12
FVC	DCC	cg05416337	rs1222914	C	G	0.303	0.042	0.078	5.23E-13	0.004	0.004	0.356	0.014	52.087	TRUE	1.47E-12
FVC	DCC	cg05416337	rs12457059	A	C	0.448	0.030	0.193	1.38E-51	-0.008	0.003	0.005	0.058	228.208	TRUE	2.09E-48
FVC	DCC	cg05416337	rs12607660	T	C	-0.182	0.024	0.458	1.47E-14	0.001	0.002	0.738	0.016	59.103	TRUE	3.01E-14
FVC	DCC	cg05416337	rs12608309	C	T	-0.240	0.039	0.097	7.26E-10	0.000	0.004	0.963	0.010	37.928	TRUE	9.70E-10
FVC	DCC	cg05416337	rs1443579	T	C	0.478	0.031	0.161	3.87E-52	0.002	0.003	0.457	0.059	230.737	TRUE	3.59E-50
FVC	DCC	cg05416337	rs1445104	G	T	-0.163	0.023	0.481	2.59E-12	-0.003	0.002	0.142	0.013	48.950	TRUE	9.99E-12
FVC	DCC	cg05416337	rs145810822	G	T	-0.904	0.095	0.033	1.12E-21	-0.008	0.008	0.286	0.024	91.448	TRUE	6.80E-21
FVC	DCC	cg05416337	rs1562175	T	C	-0.356	0.031	0.165	2.42E-30	0.000	0.003	0.964	0.034	130.973	TRUE	1.03E-29
FVC	DCC	cg05416337	rs16954946	C	G	0.392	0.068	0.030	9.73E-09	-0.005	0.007	0.453	0.009	32.878	TRUE	1.84E-08
FVC	DCC	cg05416337	rs17669415	G	C	0.564	0.024	0.319	1.03E-119	-0.008	0.003	0.003	0.128	540.915	TRUE	1.86E-110
FVC	DCC	cg05416337	rs17669944	T	C	-0.585	0.053	0.047	5.82E-28	0.004	0.005	0.458	0.031	120.101	TRUE	4.36E-27
FVC	DCC	cg05416337	rs28439197	G	A	-0.177	0.024	0.454	1.31E-13	0.001	0.002	0.668	0.015	54.807	TRUE	2.67E-13
FVC	DCC	cg05416337	rs2850943	C	T	-0.443	0.040	0.095	8.61E-29	0.002	0.004	0.622	0.032	123.889	TRUE	5.30E-28
FVC	DCC	cg05416337	rs34220152	G	C	-0.828	0.114	0.021	4.03E-13	-0.010	0.008	0.236	0.014	52.597	TRUE	1.36E-12
FVC	DCC	cg05416337	rs35624144	C	T	-0.151	0.024	0.476	2.40E-10	-0.001	0.002	0.726	0.011	40.092	TRUE	3.88E-10
FVC	DCC	cg05416337	rs4041457	A	G	-1.054	0.025	0.194	<1E-200	0.001	0.003	0.724	0.320	1741.031	TRUE	<1E-200
FVC	DCC	cg05416337	rs62081913	T	C	-0.440	0.061	0.041	4.37E-13	-0.007	0.007	0.271	0.014	52.439	TRUE	1.40E-12
FVC	DCC	cg05416337	rs72922665	A	G	-0.307	0.035	0.129	4.12E-18	-0.007	0.004	0.042	0.020	75.222	TRUE	4.23E-17
FVC	DCC	cg05416337	rs75117057	T	A	-0.806	0.078	0.024	3.98E-25	0.009	0.007	0.208	0.028	107.164	TRUE	3.94E-24
FVC	DCC	cg05416337	rs8089622	G	T	0.158	0.029	0.200	3.69E-08	-0.004	0.003	0.168	0.008	30.287	TRUE	9.23E-08
FVC	DCC	cg18841634	rs7242705	A	T	-0.253	0.024	0.360	1.33E-25	-0.007	0.002	0.007	0.029	109.328	TRUE	5.70E-24
FVC	DCC	cg18866015	rs2879423	C	G	-0.195	0.027	0.238	7.82E-13	0.004	0.003	0.196	0.014	51.300	TRUE	2.79E-12
FVC	DCC	cg18866015	rs34420569	C	T	0.188	0.024	0.385	3.71E-15	-0.004	0.002	0.110	0.016	61.815	TRUE	2.04E-14
FVC	DCC	cg18866015	rs9950982	T	C	-0.217	0.027	0.249	1.96E-15	0.008	0.003	0.005	0.017	63.073	TRUE	2.61E-14
FVC	DCC	cg18866015	rs9966338	G	C	-0.328	0.024	0.338	2.19E-41	0.006	0.003	0.014	0.047	181.484	TRUE	5.07E-39
FVC	DCC	cg20917891	rs7242705	A	T	0.300	0.024	0.360	8.35E-36	-0.007	0.002	0.007	0.040	155.942	TRUE	1.29E-33
FVC	DCC	cg21623566	rs17747515	T	C	0.151	0.025	0.318	1.09E-09	-0.008	0.003	0.003	0.010	37.138	TRUE	8.02E-09
FVC	DCC	cg24084891	rs76178218	T	C	-0.195	0.031	0.161	3.97E-10	0.002	0.003	0.510	0.010	39.106	TRUE	7.69E-10

FVC	DCC	cg25602457	rs13381479	T	G	0.348	0.025	0.316	3.02E-44	-0.008	0.003	0.001	0.050	194.580	TRUE	2.76E-41
FVC	DCC	cg25818763	rs8083215	A	G	-0.187	0.025	0.323	5.54E-14	-0.008	0.003	0.001	0.015	56.499	TRUE	8.31E-13
FVC	DDIT3	cg08984436	rs536957166	T	C	0.840	0.118	0.020	8.93E-13	-0.019	0.009	0.027	0.014	51.038	TRUE	5.87E-12
FVC	DDIT4	cg01839993	rs10762504	A	C	0.208	0.025	0.345	2.58E-17	0.012	0.002	1.90E-06	0.019	71.603	TRUE	2.22E-15
FVC	DDIT4	cg10592592	rs4746110	T	C	0.141	0.025	0.360	1.01E-08	0.011	0.003	7.11E-06	0.009	32.801	TRUE	1.36E-07
FVC	DDIT4	cg20897136	rs4746110	T	C	0.148	0.025	0.360	1.65E-09	0.011	0.003	7.11E-06	0.010	36.334	TRUE	2.57E-08
FVC	DDX5	cg08350119	rs112616321	C	T	-0.893	0.077	0.027	8.21E-31	0.023	0.008	0.004	0.035	133.120	TRUE	8.18E-29
FVC	DDX5	cg14548777	rs141114501	T	C	-0.526	0.054	0.045	2.54E-22	-0.001	0.005	0.827	0.025	94.376	TRUE	7.40E-22
FVC	DDX5	cg23225508	rs1991401	G	A	0.206	0.025	0.328	2.14E-16	0.004	0.003	0.094	0.018	67.435	TRUE	1.42E-15
FVC	DEF8	cg01883217	rs11649196	A	G	-0.343	0.033	0.145	1.01E-24	0.001	0.003	0.742	0.028	105.317	TRUE	3.86E-24
FVC	DEF8	cg01883217	rs11649211	G	C	-0.500	0.025	0.281	4.06E-87	0.000	0.003	0.962	0.096	391.209	TRUE	2.02E-83
FVC	DEF8	cg01883217	rs12595968	T	G	0.268	0.048	0.066	2.06E-08	0.010	0.005	0.025	0.008	31.422	TRUE	8.47E-08
FVC	DEF8	cg01883217	rs146018050	C	G	-0.810	0.138	0.016	3.88E-09	-0.006	0.010	0.561	0.009	34.666	TRUE	6.83E-09
FVC	DEF8	cg01883217	rs147123965	T	C	-0.472	0.061	0.035	7.74E-15	-0.007	0.007	0.320	0.016	60.367	TRUE	2.61E-14
FVC	DEF8	cg01883217	rs150237316	T	C	-0.446	0.070	0.030	1.37E-10	-0.001	0.007	0.858	0.011	41.187	TRUE	2.03E-10
FVC	DEF8	cg01883217	rs150246110	A	G	-0.555	0.089	0.014	5.00E-10	-0.002	0.009	0.805	0.010	38.658	TRUE	7.54E-10
FVC	DEF8	cg01883217	rs17719735	A	G	0.272	0.050	0.065	4.76E-08	0.007	0.005	0.163	0.008	29.797	TRUE	1.20E-07
FVC	DEF8	cg01883217	rs17774983	T	C	-0.561	0.066	0.030	2.13E-17	-0.003	0.007	0.729	0.019	71.986	TRUE	5.13E-17
FVC	DEF8	cg01883217	rs187492937	G	C	0.371	0.063	0.046	5.14E-09	-0.003	0.006	0.576	0.009	34.116	TRUE	8.88E-09
FVC	DEF8	cg01883217	rs34686253	C	T	0.466	0.066	0.038	1.85E-12	0.003	0.006	0.643	0.013	49.615	TRUE	3.63E-12
FVC	DEF8	cg01883217	rs4248913	A	C	0.329	0.039	0.095	2.79E-17	-0.004	0.004	0.396	0.019	71.450	TRUE	1.00E-16
FVC	DEF8	cg01883217	rs4627348	T	C	0.253	0.024	0.376	1.10E-25	0.002	0.003	0.505	0.029	109.713	TRUE	6.17E-25
FVC	DEF8	cg01883217	rs58889676	T	A	0.501	0.084	0.022	1.98E-09	-0.013	0.009	0.146	0.010	35.974	TRUE	5.86E-09
FVC	DEF8	cg01883217	rs62054623	G	A	-0.678	0.048	0.058	9.72E-46	0.014	0.005	0.002	0.052	201.413	TRUE	9.27E-43
FVC	DEF8	cg01883217	rs66701606	T	C	0.302	0.027	0.256	4.41E-29	0.003	0.003	0.316	0.033	125.215	TRUE	4.80E-28
FVC	DEF8	cg01883217	rs7200403	G	A	0.393	0.024	0.366	2.52E-58	0.002	0.003	0.514	0.065	259.095	TRUE	4.43E-56
FVC	DEF8	cg01883217	rs7205758	A	G	-0.173	0.024	0.357	1.02E-12	0.007	0.003	0.008	0.014	50.768	TRUE	8.70E-12
FVC	DEF8	cg01883217	rs9933533	C	T	-0.140	0.023	0.479	2.27E-09	-0.001	0.002	0.656	0.010	35.704	TRUE	3.78E-09
FVC	DEF8	cg02061948	rs11646910	A	G	-0.311	0.039	0.103	1.20E-15	-0.004	0.004	0.264	0.017	64.044	TRUE	4.73E-15
FVC	DEF8	cg02061948	rs11859206	C	A	-0.736	0.036	0.116	3.78E-95	-0.002	0.004	0.534	0.104	428.082	TRUE	2.43E-90
FVC	DEF8	cg02061948	rs13336744	T	G	-0.541	0.080	0.030	1.13E-11	-0.014	0.008	0.083	0.012	46.056	TRUE	4.88E-11
FVC	DEF8	cg02061948	rs150246110	A	G	-0.702	0.088	0.014	2.07E-15	-0.002	0.009	0.805	0.017	62.964	TRUE	4.09E-15
FVC	DEF8	cg02061948	rs34539781	T	C	0.285	0.039	0.094	4.46E-13	0.008	0.004	0.052	0.014	52.401	TRUE	2.54E-12
FVC	DEF8	cg02061948	rs4461072	G	C	-0.268	0.033	0.157	7.62E-16	0.006	0.003	0.093	0.017	64.931	TRUE	4.72E-15
FVC	DEF8	cg02061948	rs4785775	A	C	-0.158	0.024	0.397	2.56E-11	-0.003	0.003	0.303	0.012	44.465	TRUE	6.85E-11
FVC	DEF8	cg02061948	rs67632157	A	G	0.163	0.024	0.420	9.77E-12	0.006	0.002	0.011	0.012	46.349	TRUE	7.10E-11
FVC	DEF8	cg02061948	rs7184956	T	C	-0.225	0.024	0.374	9.50E-21	0.002	0.003	0.382	0.023	87.216	TRUE	4.54E-20
FVC	DEF8	cg02061948	rs8060230	T	C	-0.528	0.063	0.030	5.21E-17	-0.002	0.007	0.762	0.019	70.219	TRUE	1.18E-16
FVC	DEF8	cg02061948	rs8062311	A	G	-0.233	0.034	0.136	4.36E-12	-0.006	0.003	0.063	0.013	47.928	TRUE	2.11E-11
FVC	DEF8	cg03721293	rs11076647	C	A	-0.137	0.025	0.306	4.68E-08	-0.002	0.003	0.401	0.008	29.829	TRUE	8.89E-08
FVC	DEF8	cg03721293	rs11640198	T	C	0.150	0.027	0.251	2.62E-08	0.002	0.003	0.541	0.008	30.952	TRUE	4.43E-08
FVC	DEF8	cg03721293	rs11649196	A	G	0.333	0.033	0.145	1.33E-23	0.001	0.003	0.742	0.026	100.221	TRUE	4.68E-23

FVC	DEF8	cg03721293	rs1558151	A	T	0.171	0.028	0.223	1.54E-09	0.006	0.003	0.051	0.010	36.458	TRUE	6.07E-09
FVC	DEF8	cg03721293	rs62068712	G	A	0.191	0.031	0.167	1.29E-09	0.005	0.003	0.115	0.010	36.809	TRUE	4.17E-09
FVC	DEF8	cg03721293	rs78517194	C	A	0.730	0.044	0.067	5.93E-61	0.006	0.004	0.173	0.068	271.146	TRUE	4.70E-58
FVC	DEF8	cg03987653	rs10153134	C	T	-0.137	0.025	0.350	2.45E-08	0.002	0.003	0.526	0.008	31.084	TRUE	4.25E-08
FVC	DEF8	cg03987653	rs11639655	G	A	-0.144	0.026	0.322	2.44E-08	0.005	0.003	0.075	0.008	31.090	TRUE	7.77E-08
FVC	DEF8	cg03987653	rs145268882	A	G	0.275	0.050	0.054	2.90E-08	-0.006	0.005	0.249	0.008	30.755	TRUE	6.56E-08
FVC	DEF8	cg03987653	rs150237316	T	C	-0.405	0.070	0.030	5.79E-09	-0.001	0.007	0.858	0.009	33.887	TRUE	8.02E-09
FVC	DEF8	cg03987653	rs4365288	A	G	-0.845	0.049	0.052	4.07E-67	0.012	0.005	0.012	0.075	299.419	TRUE	4.83E-63
FVC	DEF8	cg03987653	rs4785699	T	G	-0.173	0.027	0.233	2.98E-10	0.002	0.003	0.461	0.011	39.666	TRUE	6.16E-10
FVC	DEF8	cg03987653	rs4785749	T	C	0.153	0.024	0.382	2.75E-10	0.002	0.003	0.546	0.011	39.820	TRUE	5.24E-10
FVC	DEF8	cg04591799	rs10153134	C	T	-0.132	0.024	0.350	4.68E-08	0.002	0.003	0.526	0.008	29.830	TRUE	7.99E-08
FVC	DEF8	cg04591799	rs35078537	C	G	-0.192	0.029	0.187	5.54E-11	0.002	0.003	0.592	0.011	42.954	TRUE	1.05E-10
FVC	DEF8	cg04591799	rs55911767	G	A	-0.172	0.028	0.223	1.25E-09	0.008	0.003	0.007	0.010	36.866	TRUE	7.93E-09
FVC	DEF8	cg04591799	rs78260644	G	A	-0.567	0.049	0.052	5.18E-31	0.013	0.005	0.006	0.035	134.032	TRUE	4.52E-29
FVC	DEF8	cg04752812	rs11640198	T	C	0.148	0.027	0.251	3.54E-08	0.002	0.003	0.541	0.008	30.368	TRUE	5.94E-08
FVC	DEF8	cg04752812	rs11649196	A	G	0.193	0.033	0.145	6.95E-09	0.001	0.003	0.742	0.009	33.530	TRUE	1.04E-08
FVC	DEF8	cg04752812	rs4785775	A	C	-0.132	0.024	0.397	2.63E-08	-0.003	0.003	0.303	0.008	30.946	TRUE	5.65E-08
FVC	DEF8	cg04752812	rs78517194	C	A	0.551	0.045	0.067	4.27E-35	0.006	0.004	0.173	0.040	152.701	TRUE	1.30E-33
FVC	DEF8	cg05185784	rs12933826	C	T	-0.378	0.044	0.077	7.07E-18	-0.003	0.005	0.586	0.020	74.157	TRUE	2.06E-17
FVC	DEF8	cg05185784	rs146972365	C	T	0.439	0.039	0.094	9.52E-30	-0.002	0.004	0.714	0.034	128.258	TRUE	5.62E-29
FVC	DEF8	cg05185784	rs150246110	A	G	-0.779	0.089	0.014	2.24E-18	-0.002	0.009	0.805	0.020	76.424	TRUE	5.24E-18
FVC	DEF8	cg05185784	rs164753	C	T	0.224	0.031	0.187	7.02E-13	0.009	0.003	0.003	0.014	51.511	TRUE	7.44E-12
FVC	DEF8	cg05185784	rs186335715	G	A	-0.758	0.112	0.011	1.37E-11	-0.008	0.013	0.570	0.012	45.683	TRUE	2.77E-11
FVC	DEF8	cg05185784	rs2241034	G	A	-0.241	0.034	0.153	7.58E-13	0.008	0.003	0.013	0.014	51.360	TRUE	6.17E-12
FVC	DEF8	cg05185784	rs2279350	T	C	0.187	0.033	0.150	1.05E-08	0.005	0.003	0.161	0.009	32.733	TRUE	2.86E-08
FVC	DEF8	cg05185784	rs3114892	G	A	0.170	0.024	0.433	4.70E-13	0.001	0.002	0.839	0.014	52.296	TRUE	8.03E-13
FVC	DEF8	cg05185784	rs34686253	C	T	0.453	0.066	0.038	7.54E-12	0.003	0.006	0.643	0.013	46.857	TRUE	1.43E-11
FVC	DEF8	cg05185784	rs35754755	T	C	-0.896	0.064	0.031	1.91E-44	0.011	0.007	0.132	0.050	195.494	TRUE	1.95E-42
FVC	DEF8	cg05185784	rs35859096	G	C	-0.409	0.028	0.217	5.49E-48	0.002	0.003	0.532	0.054	211.710	TRUE	2.62E-46
FVC	DEF8	cg05185784	rs3803686	C	A	-0.797	0.029	0.181	2.51E-170	0.004	0.003	0.251	0.173	773.517	TRUE	6.98E-157
FVC	DEF8	cg05185784	rs3829499	C	G	-0.191	0.028	0.241	5.32E-12	0.003	0.003	0.264	0.013	47.539	TRUE	1.57E-11
FVC	DEF8	cg05185784	rs4519330	A	G	0.177	0.026	0.286	1.86E-11	0.001	0.003	0.615	0.012	45.090	TRUE	3.59E-11
FVC	DEF8	cg05185784	rs4627348	T	C	0.321	0.024	0.376	7.90E-41	0.002	0.003	0.505	0.046	178.930	TRUE	1.77E-39
FVC	DEF8	cg05185784	rs55749251	G	T	0.307	0.033	0.154	7.45E-21	0.005	0.003	0.107	0.023	87.695	TRUE	6.73E-20
FVC	DEF8	cg05185784	rs56240065	A	G	-0.667	0.053	0.049	2.02E-36	-0.001	0.005	0.860	0.041	158.767	TRUE	1.66E-35
FVC	DEF8	cg05185784	rs62067101	T	C	-0.595	0.090	0.017	3.58E-11	0.007	0.008	0.337	0.012	43.810	TRUE	8.94E-11
FVC	DEF8	cg05185784	rs7200403	G	A	0.408	0.024	0.366	4.66E-63	0.002	0.003	0.514	0.071	280.799	TRUE	1.56E-60
FVC	DEF8	cg05185784	rs77497623	G	T	-0.359	0.037	0.108	9.75E-22	-0.002	0.004	0.560	0.024	91.717	TRUE	3.86E-21
FVC	DEF8	cg05185784	rs78908302	G	A	-0.290	0.028	0.210	1.19E-24	-0.001	0.003	0.644	0.028	104.992	TRUE	5.11E-24
FVC	DEF8	cg05185784	rs79541707	T	A	0.489	0.070	0.030	2.87E-12	-0.003	0.007	0.673	0.013	48.750	TRUE	5.43E-12
FVC	DEF8	cg05185784	rs9921599	T	C	-0.240	0.043	0.084	1.80E-08	0.001	0.005	0.906	0.008	31.678	TRUE	2.36E-08
FVC	DEF8	cg05185784	rs9921920	C	G	0.202	0.027	0.268	1.86E-13	0.001	0.003	0.788	0.014	54.123	TRUE	3.33E-13

FVC	DEF8	cg05185784	rs9923604	C	G	-0.364	0.029	0.184	2.42E-35	0.001	0.003	0.674	0.040	153.830	TRUE	2.47E-34
FVC	DEF8	cg12064134	rs1029673	G	T	-0.223	0.027	0.253	1.36E-16	0.002	0.003	0.529	0.018	68.321	TRUE	3.91E-16
FVC	DEF8	cg12064134	rs116902829	G	C	0.562	0.098	0.015	9.96E-09	-0.010	0.010	0.304	0.009	32.831	TRUE	2.20E-08
FVC	DEF8	cg12064134	rs117991811	A	G	-0.645	0.110	0.014	4.72E-09	0.011	0.010	0.305	0.009	34.284	TRUE	1.06E-08
FVC	DEF8	cg12064134	rs118144846	G	A	0.934	0.109	0.014	1.22E-17	-0.020	0.010	0.057	0.019	73.076	TRUE	1.07E-16
FVC	DEF8	cg12064134	rs13330208	G	T	-1.011	0.141	0.015	7.82E-13	-0.007	0.012	0.572	0.014	51.300	TRUE	1.69E-12
FVC	DEF8	cg12064134	rs142969375	G	A	-0.907	0.150	0.014	1.56E-09	0.017	0.012	0.179	0.010	36.436	TRUE	4.37E-09
FVC	DEF8	cg12064134	rs150246110	A	G	-1.029	0.089	0.014	4.09E-31	-0.002	0.009	0.805	0.035	134.502	TRUE	2.33E-30
FVC	DEF8	cg12064134	rs186335715	G	A	-0.767	0.112	0.011	7.76E-12	-0.008	0.013	0.570	0.012	46.799	TRUE	1.59E-11
FVC	DEF8	cg12064134	rs2241034	G	A	-0.385	0.033	0.153	1.00E-30	0.008	0.003	0.013	0.035	132.721	TRUE	6.55E-29
FVC	DEF8	cg12064134	rs35078537	C	G	-0.277	0.030	0.187	9.33E-21	0.002	0.003	0.592	0.023	87.251	TRUE	3.28E-20
FVC	DEF8	cg12064134	rs35754755	T	C	-0.944	0.064	0.031	2.57E-49	0.011	0.007	0.132	0.056	217.800	TRUE	4.86E-47
FVC	DEF8	cg12064134	rs3803686	C	A	-0.874	0.028	0.181	1.48E-209	0.004	0.003	0.251	0.205	953.861	TRUE	1.73E-190
FVC	DEF8	cg12064134	rs3829499	C	G	-0.199	0.028	0.241	7.18E-13	0.003	0.003	0.264	0.014	51.467	TRUE	2.26E-12
FVC	DEF8	cg12064134	rs4627348	T	C	0.264	0.024	0.376	4.61E-28	0.002	0.003	0.505	0.032	120.564	TRUE	3.14E-27
FVC	DEF8	cg12064134	rs56240065	A	G	-0.644	0.053	0.049	4.68E-34	-0.001	0.005	0.860	0.038	147.946	TRUE	3.14E-33
FVC	DEF8	cg12064134	rs7191944	G	C	0.192	0.026	0.298	7.26E-14	0.004	0.003	0.151	0.015	55.968	TRUE	3.08E-13
FVC	DEF8	cg12064134	rs7200083	A	G	-0.280	0.032	0.162	4.14E-18	0.005	0.003	0.140	0.020	75.214	TRUE	2.63E-17
FVC	DEF8	cg12064134	rs74037227	A	G	0.219	0.032	0.154	9.21E-12	0.002	0.003	0.511	0.012	46.465	TRUE	2.01E-11
FVC	DEF8	cg12064134	rs74466939	T	C	-0.230	0.040	0.098	1.17E-08	0.003	0.004	0.537	0.009	32.515	TRUE	2.06E-08
FVC	DEF8	cg12064134	rs74548542	G	A	-0.730	0.064	0.030	5.72E-30	-0.002	0.006	0.812	0.034	129.268	TRUE	2.95E-29
FVC	DEF8	cg12064134	rs74800773	G	C	0.378	0.037	0.107	1.27E-24	-0.005	0.004	0.221	0.028	104.868	TRUE	1.13E-23
FVC	DEF8	cg12064134	rs76180276	T	C	0.295	0.053	0.055	3.09E-08	-0.003	0.006	0.585	0.008	30.631	TRUE	5.08E-08
FVC	DEF8	cg12064134	rs77497623	G	T	-0.234	0.038	0.108	4.65E-10	-0.002	0.004	0.560	0.010	38.798	TRUE	8.67E-10
FVC	DEF8	cg12064134	rs8064126	T	A	0.294	0.024	0.370	7.95E-34	0.000	0.003	0.879	0.038	146.895	TRUE	5.16E-33
FVC	DEF8	cg16504670	rs13335091	T	C	0.413	0.033	0.138	2.69E-36	0.004	0.003	0.285	0.041	158.193	TRUE	6.32E-35
FVC	DEF8	cg16504670	rs3212369	G	A	0.305	0.031	0.160	1.65E-22	0.003	0.003	0.419	0.025	95.234	TRUE	8.45E-22
FVC	DEF8	cg16504670	rs4785762	G	A	0.167	0.024	0.404	3.31E-12	0.006	0.002	0.019	0.013	48.470	TRUE	2.28E-11
FVC	DEF8	cg16504670	rs77463543	T	C	0.175	0.032	0.151	4.94E-08	0.004	0.003	0.187	0.008	29.725	TRUE	1.20E-07
FVC	DEF8	cg25193494	rs12933826	C	T	-0.323	0.044	0.077	1.92E-13	-0.003	0.005	0.586	0.014	54.055	TRUE	4.24E-13
FVC	DEF8	cg25193494	rs13330208	G	T	-0.835	0.141	0.015	3.58E-09	-0.007	0.012	0.572	0.009	34.822	TRUE	6.27E-09
FVC	DEF8	cg25193494	rs148176774	G	A	0.450	0.073	0.030	6.62E-10	-0.005	0.007	0.485	0.010	38.109	TRUE	1.31E-09
FVC	DEF8	cg25193494	rs148694296	T	C	0.447	0.074	0.030	1.62E-09	0.001	0.007	0.841	0.010	36.362	TRUE	2.34E-09
FVC	DEF8	cg25193494	rs150246110	A	G	-1.400	0.088	0.014	7.25E-57	-0.002	0.009	0.805	0.064	252.405	TRUE	5.80E-55
FVC	DEF8	cg25193494	rs35754755	T	C	-0.614	0.065	0.031	1.71E-21	0.011	0.007	0.132	0.024	90.604	TRUE	1.52E-20
FVC	DEF8	cg25193494	rs35859096	G	C	-0.359	0.028	0.217	5.06E-37	0.002	0.003	0.532	0.042	161.512	TRUE	7.56E-36
FVC	DEF8	cg25193494	rs3803686	C	A	-0.718	0.029	0.181	1.61E-135	0.004	0.003	0.251	0.142	613.541	TRUE	2.66E-126
FVC	DEF8	cg25193494	rs4129126	A	C	0.161	0.025	0.307	2.94E-10	0.005	0.003	0.074	0.011	39.691	TRUE	1.18E-09
FVC	DEF8	cg25193494	rs4627348	T	C	0.241	0.024	0.376	1.51E-23	0.002	0.003	0.505	0.026	99.969	TRUE	7.15E-23
FVC	DEF8	cg25193494	rs4785766	C	A	0.167	0.030	0.183	2.80E-08	-0.002	0.003	0.610	0.008	30.828	TRUE	4.53E-08
FVC	DEF8	cg25193494	rs56240065	A	G	-0.446	0.053	0.049	5.66E-17	-0.001	0.005	0.860	0.019	70.053	TRUE	1.15E-16
FVC	DEF8	cg25193494	rs56378598	T	C	0.207	0.026	0.278	3.02E-15	0.004	0.003	0.142	0.017	62.218	TRUE	1.47E-14

FVC	DEF8	cg25193494	rs62054652	T	C	-0.369	0.049	0.059	8.02E-14	-0.002	0.005	0.614	0.015	55.772	TRUE	1.75E-13
FVC	DEF8	cg25193494	rs7200403	G	A	0.303	0.025	0.366	6.32E-35	0.002	0.003	0.514	0.039	151.923	TRUE	7.91E-34
FVC	DEF8	cg25193494	rs74548542	G	A	-0.463	0.065	0.030	7.65E-13	-0.002	0.006	0.812	0.014	51.343	TRUE	1.31E-12
FVC	DEF8	cg25193494	rs77497623	G	T	-0.353	0.037	0.108	5.07E-21	-0.002	0.004	0.560	0.023	88.457	TRUE	1.91E-20
FVC	DEF8	cg25193494	rs77770855	A	G	0.348	0.039	0.092	1.10E-18	-0.002	0.004	0.581	0.021	77.838	TRUE	3.38E-18
FVC	DEF8	cg25193494	rs78908302	G	A	-0.210	0.028	0.210	1.48E-13	-0.001	0.003	0.644	0.015	54.564	TRUE	3.08E-13
FVC	DEF8	cg25193494	rs9921920	C	G	0.179	0.027	0.268	7.55E-11	0.001	0.003	0.788	0.011	42.348	TRUE	1.19E-10
FVC	DEF8	cg25193494	rs9923604	C	G	-0.217	0.030	0.184	1.80E-13	0.001	0.003	0.674	0.014	54.180	TRUE	3.68E-13
FVC	DEF8	cg26894841	rs12921906	A	G	-0.216	0.033	0.147	3.30E-11	0.014	0.003	4.45E-05	0.012	43.965	TRUE	5.72E-10
FVC	DEF8	cg26894841	rs7498985	A	G	-0.147	0.023	0.476	1.48E-10	0.001	0.002	0.796	0.011	41.036	TRUE	2.30E-10
FVC	DEF8	cg26894841	rs9923654	C	T	-0.267	0.030	0.183	4.13E-19	0.005	0.003	0.113	0.021	79.766	TRUE	3.20E-18
FVC	DEPDC5	cg01249860	rs117858155	T	C	0.589	0.083	0.019	1.03E-12	-0.013	0.009	0.151	0.014	50.761	TRUE	3.98E-12
FVC	DEPDC5	cg01249860	rs149516999	A	G	0.628	0.081	0.022	6.27E-15	0.013	0.008	0.135	0.016	60.783	TRUE	3.08E-14
FVC	DEPDC5	cg01249860	rs5998152	C	T	0.158	0.027	0.249	5.92E-09	0.002	0.003	0.480	0.009	33.841	TRUE	1.11E-08
FVC	DEPDC5	cg04112842	rs5998151	A	G	-0.334	0.038	0.101	9.70E-19	-0.005	0.004	0.236	0.021	78.076	TRUE	5.13E-18
FVC	DEPDC5	cg13263830	rs11089505	G	A	-0.323	0.055	0.100	4.99E-09	0.001	0.004	0.912	0.009	34.175	TRUE	6.71E-09
FVC	DEPDC5	cg13263830	rs111658926	C	T	-0.798	0.039	0.102	4.00E-92	0.012	0.004	0.003	0.101	414.197	TRUE	1.09E-85
FVC	DEPDC5	cg13263830	rs12158564	G	A	-0.302	0.025	0.322	8.08E-34	0.005	0.003	0.046	0.038	146.864	TRUE	4.31E-32
FVC	DEPDC5	cg13263830	rs13053841	T	C	-0.314	0.053	0.058	2.99E-09	-0.003	0.006	0.561	0.009	35.174	TRUE	5.29E-09
FVC	DEPDC5	cg13263830	rs141788358	A	G	0.522	0.083	0.022	2.74E-10	0.011	0.009	0.194	0.011	39.831	TRUE	7.92E-10
FVC	DEPDC5	cg13263830	rs151192056	T	C	-0.339	0.058	0.042	4.61E-09	0.013	0.006	0.023	0.009	34.327	TRUE	2.08E-08
FVC	DEPDC5	cg13263830	rs16989768	C	G	-1.108	0.070	0.029	9.07E-56	-0.004	0.006	0.543	0.063	247.374	TRUE	1.09E-53
FVC	DEPDC5	cg13263830	rs2040981	C	A	-1.412	0.037	0.087	<1E-200	0.005	0.004	0.214	0.281	1444.307	TRUE	1.61E-277
FVC	DEPDC5	cg13263830	rs2157212	A	C	-0.668	0.036	0.118	3.13E-75	0.006	0.004	0.123	0.083	336.647	TRUE	3.02E-71
FVC	DEPDC5	cg13263830	rs2412999	G	A	-0.258	0.024	0.445	5.87E-28	0.004	0.002	0.142	0.031	120.083	TRUE	9.26E-27
FVC	DEPDC5	cg13263830	rs4820910	T	A	-0.209	0.031	0.159	3.15E-11	0.012	0.003	1.30E-04	0.012	44.058	TRUE	4.70E-10
FVC	DEPDC5	cg13263830	rs55911547	T	A	-0.395	0.030	0.175	2.41E-39	0.001	0.003	0.831	0.044	172.136	TRUE	2.77E-38
FVC	DEPDC5	cg13263830	rs5749334	A	C	0.821	0.019	0.446	<1E-200	-0.008	0.002	0.001	0.331	1828.366	TRUE	<1E-200
FVC	DEPDC5	cg13263830	rs5753356	A	G	-0.185	0.025	0.367	6.41E-14	0.003	0.003	0.318	0.015	56.211	TRUE	2.02E-13
FVC	DEPDC5	cg13263830	rs5753472	G	A	-0.280	0.032	0.426	2.02E-18	0.005	0.003	0.057	0.020	76.631	TRUE	1.86E-17
FVC	DEPDC5	cg13263830	rs5998284	T	C	-0.322	0.032	0.172	7.92E-24	0.003	0.003	0.357	0.027	101.242	TRUE	4.97E-23
FVC	DEPDC5	cg13263830	rs62236130	A	G	0.378	0.034	0.131	7.93E-29	-0.002	0.003	0.658	0.032	124.053	TRUE	4.66E-28
FVC	DEPDC5	cg13263830	rs6518765	C	A	0.268	0.033	0.346	6.33E-16	0.002	0.002	0.480	0.017	65.297	TRUE	1.85E-15
FVC	DEPDC5	cg13263830	rs714023	A	G	0.196	0.035	0.132	2.07E-08	0.000	0.003	0.928	0.008	31.415	TRUE	2.67E-08
FVC	DEPDC5	cg13263830	rs75481064	G	A	0.265	0.045	0.080	4.99E-09	-0.013	0.004	0.003	0.009	34.176	TRUE	3.43E-08
FVC	DEPDC5	cg13263830	rs76900875	A	G	-0.259	0.046	0.066	2.10E-08	0.004	0.005	0.397	0.008	31.384	TRUE	4.09E-08
FVC	DEPDC5	cg13263830	rs77339855	T	A	-0.904	0.142	0.012	1.86E-10	0.006	0.009	0.487	0.011	40.591	TRUE	3.78E-10
FVC	DEPDC5	cg13263830	rs77664819	A	G	0.372	0.064	0.065	7.51E-09	-0.002	0.005	0.621	0.009	33.379	TRUE	1.24E-08
FVC	DEPDC5	cg13263830	rs8140888	A	G	-0.226	0.031	0.172	2.27E-13	0.008	0.003	0.008	0.014	53.724	TRUE	2.10E-12
FVC	DEPDC5	cg13263830	rs9606808	C	T	-0.176	0.027	0.256	9.65E-11	0.005	0.003	0.093	0.011	41.869	TRUE	3.65E-10
FVC	DEPDC5	cg13263830	rs9609388	A	G	-0.240	0.040	0.095	2.23E-09	0.009	0.004	0.027	0.010	35.745	TRUE	1.02E-08
FVC	DIDO1	cg01329151	rs1883847	T	C	0.374	0.030	0.194	1.09E-35	0.005	0.003	0.092	0.040	155.417	TRUE	5.09E-34

FVC	DIDO1	cg01329151	rs2314128	G	C	0.174	0.031	0.179	1.75E-08	-0.002	0.003	0.586	0.009	31.737	TRUE	2.92E-08
FVC	DIDO1	cg01329151	rs6090150	C	T	0.635	0.099	0.036	1.65E-10	0.010	0.007	0.151	0.011	40.822	TRUE	5.30E-10
FVC	DIDO1	cg02128085	rs79346852	G	A	0.480	0.087	0.021	4.01E-08	-0.015	0.008	0.074	0.008	30.128	TRUE	1.26E-07
FVC	DIDO1	cg02461114	rs735055	A	G	-0.177	0.031	0.164	1.26E-08	-0.002	0.003	0.450	0.009	32.375	TRUE	2.36E-08
FVC	DIDO1	cg04226366	rs12625378	T	G	0.147	0.024	0.471	5.18E-10	0.004	0.002	0.126	0.010	38.586	TRUE	1.66E-09
FVC	DIDO1	cg04226366	rs6010808	T	C	-0.149	0.024	0.433	3.67E-10	0.000	0.003	0.924	0.011	39.262	TRUE	5.04E-10
FVC	DIDO1	cg04226366	rs6062732	T	C	-0.178	0.029	0.187	1.48E-09	-0.003	0.003	0.330	0.010	36.546	TRUE	3.33E-09
FVC	DIDO1	cg04226366	rs755740	C	T	0.484	0.024	0.398	1.22E-93	0.008	0.002	4.62E-04	0.102	421.151	TRUE	1.42E-86
FVC	DIDO1	cg09864671	rs1054866	C	A	0.354	0.025	0.310	8.31E-45	0.003	0.003	0.251	0.051	197.146	TRUE	5.67E-43
FVC	DIDO1	cg09864671	rs111814166	A	G	0.214	0.033	0.132	1.53E-10	0.001	0.003	0.856	0.011	40.964	TRUE	2.28E-10
FVC	DIDO1	cg09864671	rs118103122	G	T	-0.601	0.106	0.027	1.67E-08	0.010	0.008	0.220	0.009	31.823	TRUE	4.05E-08
FVC	DIDO1	cg09864671	rs1883847	T	C	-1.408	0.019	0.194	<1E-200	0.005	0.003	0.092	0.593	5396.686	TRUE	<1E-200
FVC	DIDO1	cg09864671	rs2248900	T	C	0.294	0.028	0.221	9.30E-26	0.005	0.003	0.088	0.029	110.044	TRUE	1.47E-24
FVC	DIDO1	cg09864671	rs2314128	G	C	-0.458	0.030	0.179	3.81E-51	-0.002	0.003	0.586	0.058	226.186	TRUE	2.37E-49
FVC	DIDO1	cg09864671	rs6090150	C	T	-1.268	0.097	0.036	7.16E-39	0.010	0.007	0.151	0.044	169.974	TRUE	3.50E-37
FVC	DIDO1	cg09864671	rs62208973	A	G	-0.672	0.096	0.013	2.08E-12	0.018	0.010	0.054	0.013	49.381	TRUE	1.09E-11
FVC	DIDO1	cg09864671	rs7271712	T	C	-0.851	0.096	0.024	1.15E-18	0.009	0.008	0.225	0.021	77.744	TRUE	6.24E-18
FVC	DIDO1	cg09864671	rs77077981	A	G	-0.426	0.042	0.081	5.11E-24	-0.006	0.004	0.175	0.027	102.110	TRUE	5.07E-23
FVC	DIDO1	cg09864671	rs910940	A	G	-0.211	0.025	0.317	1.22E-16	0.001	0.003	0.857	0.018	68.536	TRUE	2.50E-16
FVC	DIDO1	cg10006442	rs114270264	G	T	0.563	0.088	0.020	1.48E-10	-0.016	0.008	0.057	0.011	41.033	TRUE	6.31E-10
FVC	DIDO1	cg10006442	rs34960540	T	C	0.146	0.025	0.344	3.17E-09	0.003	0.003	0.176	0.009	35.058	TRUE	8.73E-09
FVC	DIDO1	cg10006442	rs3746750	A	G	0.216	0.024	0.395	1.47E-19	0.002	0.002	0.531	0.022	81.807	TRUE	5.13E-19
FVC	DIDO1	cg10006442	rs3746754	C	T	0.296	0.050	0.057	2.89E-09	-0.008	0.005	0.121	0.009	35.237	TRUE	8.90E-09
FVC	DIDO1	cg10006442	rs41282988	A	G	0.519	0.063	0.036	1.58E-16	-0.012	0.006	0.043	0.018	68.033	TRUE	1.34E-15
FVC	DIDO1	cg10006442	rs6062733	G	A	0.208	0.025	0.326	4.49E-17	-0.006	0.003	0.021	0.019	70.512	TRUE	5.10E-16
FVC	DIDO1	cg10006442	rs7265084	A	G	0.585	0.023	0.335	2.12E-137	0.003	0.003	0.207	0.144	622.175	TRUE	6.73E-128
FVC	DIDO1	cg10006442	rs73619441	G	T	-0.264	0.034	0.151	5.20E-15	0.006	0.003	0.105	0.016	61.149	TRUE	2.81E-14
FVC	DIDO1	cg10006442	rs73619448	T	G	0.276	0.049	0.052	1.89E-08	0.004	0.005	0.424	0.008	31.591	TRUE	3.59E-08
FVC	DIDO1	cg10551166	rs11696331	T	C	-0.265	0.048	0.055	4.70E-08	0.004	0.005	0.422	0.008	29.819	TRUE	8.75E-08
FVC	DIDO1	cg10551166	rs117005091	T	C	0.289	0.053	0.051	4.17E-08	0.003	0.005	0.518	0.008	30.051	TRUE	7.15E-08
FVC	DIDO1	cg10551166	rs1555313	G	T	-0.186	0.026	0.304	4.39E-13	0.001	0.003	0.774	0.014	52.433	TRUE	8.04E-13
FVC	DIDO1	cg10551166	rs41282988	A	G	-0.430	0.063	0.036	7.68E-12	-0.012	0.006	0.043	0.012	46.820	TRUE	4.03E-11
FVC	DIDO1	cg10551166	rs575515615	T	C	-0.434	0.061	0.040	1.31E-12	0.008	0.006	0.178	0.013	50.289	TRUE	4.70E-12
FVC	DIDO1	cg10551166	rs6011431	G	A	-0.198	0.032	0.459	5.21E-10	0.003	0.002	0.222	0.010	38.576	TRUE	1.44E-09
FVC	DIDO1	cg10551166	rs6011442	G	A	-0.632	0.024	0.316	1.52E-157	0.005	0.003	0.069	0.162	714.757	TRUE	5.12E-145
FVC	DIDO1	cg10551166	rs73147766	T	C	-0.410	0.057	0.039	5.46E-13	0.007	0.006	0.208	0.014	52.005	TRUE	1.92E-12
FVC	DIDO1	cg10551166	rs73619441	G	T	0.206	0.034	0.151	1.09E-09	0.006	0.003	0.105	0.010	37.133	TRUE	3.64E-09
FVC	DIDO1	cg10551166	rs76412642	G	A	-0.466	0.061	0.039	2.50E-14	0.001	0.006	0.838	0.015	58.059	TRUE	4.54E-14
FVC	DIDO1	cg10551166	rs79346852	G	A	0.847	0.087	0.021	1.92E-22	-0.015	0.008	0.074	0.025	94.930	TRUE	2.42E-21
FVC	DIDO1	cg15815827	rs6010789	G	A	0.408	0.023	0.496	8.66E-70	-0.006	0.002	0.007	0.078	311.674	TRUE	2.17E-65
FVC	DIDO1	cg15815827	rs8114056	T	G	0.132	0.024	0.433	2.99E-08	0.000	0.002	0.908	0.008	30.696	TRUE	3.91E-08
FVC	DIDO1	cg21976603	rs3746771	A	G	-0.352	0.028	0.219	2.29E-37	0.010	0.003	2.95E-04	0.042	163.087	TRUE	1.31E-34

FVC	DIDO1	cg23096297	rs1052826	G	A	-0.181	0.028	0.225	1.35E-10	0.005	0.003	0.116	0.011	41.217	TRUE	4.68E-10
FVC	DIDO1	cg23096297	rs142612030	A	G	0.576	0.061	0.044	1.87E-21	0.002	0.007	0.731	0.024	90.434	TRUE	5.77E-21
FVC	DIDO1	cg23096297	rs143491435	C	G	0.775	0.097	0.016	1.63E-15	-0.016	0.009	0.071	0.017	63.434	TRUE	1.06E-14
FVC	DIDO1	cg23096297	rs1555313	G	T	0.163	0.025	0.304	1.54E-10	0.001	0.003	0.774	0.011	40.955	TRUE	2.48E-10
FVC	DIDO1	cg23096297	rs2295000	A	G	0.750	0.027	0.202	4.26E-167	0.008	0.003	0.006	0.170	758.666	TRUE	2.29E-152
FVC	DIDO1	cg23096297	rs3746752	T	G	0.224	0.025	0.301	6.28E-19	0.003	0.003	0.297	0.021	78.936	TRUE	3.09E-18
FVC	DIDO1	cg23096297	rs56224153	A	C	-0.188	0.029	0.188	1.48E-10	0.000	0.003	0.911	0.011	41.035	TRUE	2.10E-10
FVC	DIDO1	cg23096297	rs73147766	T	C	0.549	0.056	0.039	1.20E-22	0.007	0.006	0.208	0.025	95.867	TRUE	9.44E-22
FVC	DIDO1	cg23096297	rs73619448	T	G	0.324	0.048	0.052	1.64E-11	0.004	0.005	0.424	0.012	45.340	TRUE	3.79E-11
FVC	DIDO1	cg24804517	rs117043166	T	C	0.693	0.098	0.013	1.91E-12	-0.006	0.011	0.591	0.013	49.543	TRUE	3.95E-12
FVC	DIDO1	cg24804517	rs2254953	A	G	0.255	0.026	0.272	4.00E-23	0.004	0.003	0.188	0.026	98.035	TRUE	3.57E-22
FVC	DIDO1	cg24804517	rs6011495	T	C	0.303	0.036	0.113	4.19E-17	-0.002	0.004	0.681	0.019	70.647	TRUE	1.04E-16
FVC	DIDO1	cg24804517	rs77077981	A	G	0.251	0.042	0.081	1.45E-09	-0.006	0.004	0.175	0.010	36.586	TRUE	4.13E-09
FVC	DRAM1	cg04946520	rs10778153	A	G	-0.189	0.024	0.378	1.10E-15	0.005	0.002	0.026	0.017	64.217	TRUE	1.01E-14
FVC	DRAM1	cg04946520	rs11111082	G	C	-0.593	0.031	0.151	7.54E-80	-0.002	0.003	0.466	0.088	357.841	TRUE	3.83E-76
FVC	DRAM1	cg04946520	rs113239128	C	T	-0.458	0.063	0.036	4.80E-13	0.013	0.006	0.034	0.014	52.256	TRUE	3.02E-12
FVC	DRAM1	cg04946520	rs113774454	T	C	-0.521	0.083	0.019	3.87E-10	-0.006	0.008	0.467	0.010	39.154	TRUE	7.89E-10
FVC	DRAM1	cg04946520	rs4764850	A	G	0.140	0.023	0.401	1.79E-09	0.002	0.002	0.487	0.010	36.175	TRUE	3.45E-09
FVC	DRAM1	cg04946520	rs7978834	C	G	-0.277	0.029	0.198	7.55E-22	0.003	0.003	0.282	0.024	92.223	TRUE	4.66E-21
FVC	DRAM1	cg07905054	rs78863372	T	C	1.093	0.155	0.013	1.81E-12	-0.002	0.012	0.870	0.013	49.650	TRUE	2.92E-12
FVC	DRAM1	cg07905054	rs7955890	T	C	0.354	0.037	0.112	3.60E-22	-0.008	0.004	0.027	0.025	93.689	TRUE	6.68E-21
FVC	DRAM1	cg10143723	rs2108694	A	G	-0.132	0.024	0.480	2.01E-08	0.003	0.002	0.252	0.008	31.469	TRUE	4.56E-08
FVC	DRAM1	cg10143723	rs79656532	T	C	-0.407	0.040	0.095	6.78E-25	0.004	0.004	0.295	0.028	106.109	TRUE	5.34E-24
FVC	DRAM1	cg18394118	rs79650959	A	G	-0.334	0.039	0.101	8.93E-18	0.004	0.004	0.300	0.020	73.696	TRUE	3.92E-17
FVC	DRAM1	cg27425327	rs10860804	C	T	1.223	0.038	0.084	5.12E-223	0.004	0.004	0.308	0.215	1015.759	TRUE	4.96E-202
FVC	DRAM1	cg27425327	rs11110857	A	G	0.191	0.030	0.192	3.50E-10	-0.005	0.003	0.111	0.011	39.353	TRUE	1.20E-09
FVC	DRAM1	cg27425327	rs11110893	T	C	0.263	0.036	0.124	1.39E-13	0.004	0.004	0.304	0.015	54.688	TRUE	4.36E-13
FVC	DRAM1	cg27425327	rs11110912	G	C	-0.166	0.030	0.188	2.10E-08	0.001	0.003	0.838	0.008	31.387	TRUE	2.86E-08
FVC	DRAM1	cg27425327	rs11111098	T	C	-0.203	0.031	0.180	3.91E-11	-0.003	0.003	0.381	0.012	43.633	TRUE	9.29E-11
FVC	DRAM1	cg27425327	rs12319783	T	C	-0.384	0.038	0.107	1.30E-23	0.006	0.004	0.149	0.026	100.259	TRUE	1.35E-22
FVC	DRAM1	cg27425327	rs4764674	G	A	-0.458	0.023	0.433	1.15E-84	-0.002	0.002	0.514	0.093	379.945	TRUE	1.11E-80
FVC	DRAM1	cg27425327	rs61935453	A	G	0.460	0.069	0.027	2.56E-11	-0.007	0.007	0.341	0.012	44.461	TRUE	6.50E-11
FVC	DRAM1	cg27425327	rs7305486	C	T	0.273	0.041	0.085	4.09E-11	0.002	0.004	0.593	0.012	43.549	TRUE	7.82E-11
FVC	DRAM1	cg27425327	rs75001229	G	A	-0.328	0.034	0.133	8.03E-22	-0.009	0.004	0.007	0.024	92.101	TRUE	2.13E-20
FVC	E2F2	cg03333582	rs2092085	A	G	0.216	0.027	0.258	7.20E-16	-0.006	0.003	0.025	0.017	65.043	TRUE	6.66E-15
FVC	E2F2	cg03333582	rs3218205	C	T	-0.390	0.063	0.040	6.15E-10	0.011	0.006	0.077	0.010	38.253	TRUE	2.29E-09
FVC	E2F2	cg11526198	rs11591199	T	C	0.574	0.045	0.072	1.82E-37	-0.006	0.004	0.196	0.042	163.539	TRUE	6.48E-36
FVC	E2F2	cg11526198	rs877930	A	G	0.445	0.064	0.040	2.58E-12	0.007	0.006	0.212	0.013	48.954	TRUE	8.49E-12
FVC	E2F2	cg11526198	rs909534	A	G	-0.135	0.024	0.410	1.27E-08	0.006	0.002	0.013	0.009	32.366	TRUE	6.00E-08
FVC	E2F2	cg22040403	rs10917376	T	C	0.232	0.038	0.228	1.39E-09	0.003	0.003	0.327	0.010	36.657	TRUE	3.15E-09
FVC	E2F2	cg22040403	rs113251274	G	C	0.223	0.037	0.116	1.65E-09	0.005	0.004	0.176	0.010	36.334	TRUE	4.62E-09
FVC	E2F2	cg22040403	rs113837560	A	G	0.294	0.048	0.072	9.12E-10	-0.007	0.005	0.125	0.010	37.485	TRUE	2.93E-09

FVC	E2F2	cg22040403	rs12144921	C	T	0.590	0.051	0.051	3.51E-31	0.013	0.005	0.010	0.035	134.808	TRUE	2.51E-29
FVC	E2F2	cg22040403	rs16828926	A	G	0.198	0.033	0.142	3.50E-09	-0.005	0.003	0.159	0.009	34.864	TRUE	9.74E-09
FVC	E2F2	cg22040403	rs2102781	A	T	-0.219	0.024	0.383	1.17E-19	-0.001	0.002	0.793	0.022	82.250	TRUE	2.98E-19
FVC	E2F2	cg22040403	rs2282724	T	C	0.654	0.064	0.040	1.28E-24	0.012	0.006	0.056	0.028	104.845	TRUE	2.32E-23
FVC	E2F2	cg22040403	rs2742976	T	G	-0.918	0.019	0.363	<1E-200	0.003	0.002	0.218	0.398	2443.705	TRUE	<1E-200
FVC	E2F2	cg22040403	rs2811964	A	G	-0.643	0.041	0.081	1.71E-55	0.005	0.004	0.266	0.062	246.115	TRUE	4.09E-53
FVC	E2F2	cg22040403	rs2864889	A	G	-0.193	0.033	0.406	3.77E-09	0.000	0.003	0.910	0.009	34.719	TRUE	5.10E-09
FVC	E2F2	cg22040403	rs2981950	A	C	-0.193	0.024	0.435	2.50E-16	0.001	0.002	0.741	0.018	67.127	TRUE	5.58E-16
FVC	E2F2	cg22040403	rs2999141	C	A	0.379	0.026	0.286	9.01E-50	-0.001	0.003	0.821	0.056	219.889	TRUE	3.03E-48
FVC	E2F2	cg22040403	rs3218194	T	G	-0.541	0.083	0.045	7.36E-11	0.007	0.006	0.243	0.011	42.397	TRUE	2.07E-10
FVC	E2F2	cg22040403	rs649458	T	A	-0.219	0.033	0.138	5.80E-11	0.003	0.003	0.375	0.011	42.863	TRUE	1.37E-10
FVC	E2F2	cg22040403	rs6663369	A	G	0.259	0.031	0.172	1.04E-16	-0.005	0.003	0.107	0.018	68.861	TRUE	6.52E-16
FVC	E2F2	cg22040403	rs72663238	G	C	0.438	0.071	0.034	8.14E-10	-0.002	0.007	0.778	0.010	37.705	TRUE	1.25E-09
FVC	E2F2	cg22040403	rs76473856	C	T	-0.424	0.071	0.026	2.07E-09	0.002	0.007	0.786	0.010	35.888	TRUE	3.08E-09
FVC	E2F2	cg22040403	rs78543575	C	G	-0.546	0.076	0.019	5.10E-13	0.016	0.007	0.023	0.014	52.136	TRUE	3.60E-12
FVC	E2F2	cg22040403	rs79371518	A	G	-0.195	0.033	0.146	2.73E-09	0.001	0.003	0.657	0.009	35.350	TRUE	4.46E-09
FVC	E2F2	cg24254937	rs11591199	T	C	0.455	0.045	0.072	3.90E-24	-0.006	0.004	0.196	0.027	102.642	TRUE	3.67E-23
FVC	E2F2	cg24254937	rs2811937	G	A	-0.214	0.024	0.375	2.03E-19	0.005	0.002	0.053	0.021	81.163	TRUE	2.12E-18
FVC	EIF2AK2	cg01617117	rs11904602	C	T	-0.492	0.024	0.388	2.91E-95	-0.002	0.002	0.484	0.104	428.607	TRUE	2.26E-90
FVC	EIF2AK2	cg01617117	rs13398292	G	A	0.179	0.029	0.187	1.29E-09	0.000	0.003	0.905	0.010	36.810	TRUE	1.80E-09
FVC	EIF2AK2	cg01617117	rs13429942	G	C	0.214	0.025	0.350	1.21E-17	-0.003	0.003	0.197	0.019	73.100	TRUE	6.31E-17
FVC	EIF2AK2	cg01617117	rs17498534	A	G	0.178	0.028	0.238	2.15E-10	0.005	0.003	0.075	0.011	40.307	TRUE	8.26E-10
FVC	EIF2AK2	cg01617117	rs2307466	C	G	0.282	0.050	0.056	1.47E-08	0.003	0.005	0.537	0.009	32.077	TRUE	2.54E-08
FVC	EIF2AK2	cg01617117	rs2888463	T	C	0.229	0.033	0.140	4.66E-12	-0.002	0.003	0.640	0.013	47.801	TRUE	8.92E-12
FVC	EIF2AK2	cg01617117	rs55943710	C	G	-0.333	0.052	0.057	1.21E-10	0.001	0.005	0.818	0.011	41.433	TRUE	1.85E-10
FVC	EIF2AK2	cg05332270	rs12151626	C	T	0.179	0.030	0.182	4.71E-09	0.000	0.003	0.882	0.009	34.288	TRUE	6.39E-09
FVC	EIF2AK2	cg05332270	rs12992188	G	A	-0.318	0.023	0.461	6.92E-43	0.002	0.002	0.521	0.048	188.352	TRUE	1.95E-41
FVC	EIF2AK2	cg11429997	rs62133148	C	A	-0.151	0.027	0.225	2.95E-08	0.001	0.003	0.758	0.008	30.727	TRUE	4.29E-08
FVC	EIF2AK2	cg14126601	rs12994023	T	C	-0.508	0.024	0.386	4.57E-102	-0.001	0.002	0.599	0.111	459.850	TRUE	9.66E-97
FVC	EIF2AK2	cg14126601	rs17498534	A	G	0.256	0.028	0.238	5.06E-20	0.005	0.003	0.075	0.022	83.910	TRUE	4.86E-19
FVC	EIF2AK2	cg14126601	rs186895872	T	C	0.294	0.039	0.101	3.07E-14	0.007	0.004	0.083	0.015	57.658	TRUE	1.69E-13
FVC	EIF2AK2	cg14126601	rs2540991	A	G	-0.301	0.041	0.088	1.50E-13	-0.001	0.004	0.753	0.015	54.538	TRUE	2.86E-13
FVC	EIF2AK2	cg14126601	rs58762847	T	C	0.318	0.025	0.333	2.02E-36	-0.003	0.003	0.236	0.041	158.764	TRUE	5.67E-35
FVC	EIF2AK2	cg14126601	rs7596489	G	C	0.353	0.042	0.081	2.53E-17	0.010	0.004	0.012	0.019	71.644	TRUE	3.44E-16
FVC	EIF2AK2	cg14126601	rs9309001	T	G	0.177	0.025	0.320	3.06E-12	0.002	0.003	0.406	0.013	48.623	TRUE	7.67E-12
FVC	EIF2AK2	cg16795804	rs10183153	C	T	0.286	0.042	0.098	6.66E-12	-0.007	0.004	0.112	0.013	47.101	TRUE	2.67E-11
FVC	EIF2AK2	cg16795804	rs10495870	C	A	0.309	0.025	0.355	8.42E-36	-0.003	0.003	0.197	0.040	155.927	TRUE	2.43E-34
FVC	EIF2AK2	cg16795804	rs11903252	G	T	0.207	0.027	0.237	4.64E-14	0.002	0.003	0.435	0.015	56.847	TRUE	1.26E-13
FVC	EIF2AK2	cg16795804	rs143549777	G	T	-0.650	0.110	0.025	3.31E-09	-0.005	0.008	0.561	0.009	34.975	TRUE	5.86E-09
FVC	EIF2AK2	cg16795804	rs2540991	A	G	-0.354	0.041	0.088	3.65E-18	-0.001	0.004	0.753	0.020	75.461	TRUE	9.04E-18
FVC	EIF2AK2	cg16795804	rs2888463	T	C	0.248	0.033	0.140	7.24E-14	-0.002	0.003	0.640	0.015	55.971	TRUE	1.54E-13
FVC	EIF2AK2	cg16795804	rs3770775	A	C	0.219	0.034	0.128	6.52E-11	0.008	0.003	0.015	0.011	42.636	TRUE	3.99E-10

FVC	EIF2AK2	cg16795804	rs4670662	C	T	-0.616	0.023	0.388	1.92E-152	-0.002	0.002	0.490	0.157	691.316	TRUE	8.64E-142
FVC	EIF2AK2	cg16795804	rs55943710	C	G	-0.334	0.052	0.057	1.05E-10	0.001	0.005	0.818	0.011	41.705	TRUE	1.62E-10
FVC	EIF2AK2	cg16795804	rs57839659	T	C	0.141	0.026	0.296	4.12E-08	-0.001	0.003	0.629	0.008	30.077	TRUE	6.41E-08
FVC	EIF2AK2	cg17326313	rs13423928	G	A	0.182	0.024	0.464	1.09E-14	0.001	0.002	0.825	0.016	59.691	TRUE	2.04E-14
FVC	EIF2AK2	cg17326313	rs149468774	A	T	0.362	0.053	0.046	5.86E-12	0.012	0.006	0.028	0.013	47.352	TRUE	3.46E-11
FVC	EIF2AK2	cg17326313	rs62133148	C	A	-0.225	0.028	0.225	3.53E-16	0.001	0.003	0.758	0.018	66.445	TRUE	7.75E-16
FVC	EIF2AK2	cg17326313	rs888096	A	G	-0.139	0.024	0.377	1.10E-08	-0.001	0.002	0.821	0.009	32.635	TRUE	1.54E-08
FVC	EIF2AK2	cg23820429	rs13388882	A	G	-0.284	0.051	0.046	3.44E-08	0.013	0.005	0.017	0.008	30.427	TRUE	1.50E-07
FVC	EIF2AK4	cg01081584	rs12899936	A	G	0.165	0.028	0.234	2.41E-09	-0.007	0.003	0.016	0.010	35.591	TRUE	1.21E-08
FVC	EIF2AK4	cg01081584	rs16969811	A	G	0.264	0.041	0.092	7.29E-11	0.005	0.004	0.199	0.011	42.418	TRUE	2.21E-10
FVC	EIF2AK4	cg01081584	rs2291627	C	A	0.349	0.042	0.085	8.25E-17	-0.011	0.004	0.010	0.018	69.311	TRUE	1.12E-15
FVC	EIF2AK4	cg01081584	rs2307105	A	G	-1.289	0.062	0.039	7.55E-95	0.000	0.006	0.955	0.103	426.704	TRUE	1.51E-90
FVC	EIF2AK4	cg01081584	rs34513040	C	T	0.306	0.036	0.130	3.26E-17	-0.001	0.004	0.837	0.019	71.143	TRUE	6.85E-17
FVC	EIF2AK4	cg01081584	rs4923847	C	T	-0.453	0.024	0.387	1.53E-81	0.002	0.002	0.323	0.090	365.619	TRUE	1.68E-77
FVC	EIF2AK4	cg01081584	rs76168202	A	G	-0.572	0.098	0.012	5.48E-09	-0.006	0.010	0.542	0.009	33.991	TRUE	9.71E-09
FVC	EIF2AK4	cg01081584	rs8041057	C	T	0.210	0.026	0.283	2.20E-16	-0.012	0.003	4.12E-06	0.018	67.381	TRUE	1.29E-14
FVC	EIF2AK4	cg02712587	rs114325441	C	T	0.482	0.051	0.053	6.92E-21	-0.013	0.005	0.007	0.023	87.844	TRUE	1.64E-19
FVC	EIF2AK4	cg04467278	rs11853517	G	A	0.278	0.051	0.053	4.48E-08	0.002	0.005	0.723	0.008	29.916	TRUE	6.56E-08
FVC	EIF2AK4	cg04467278	rs508281	G	A	0.327	0.026	0.269	3.58E-36	-0.003	0.003	0.216	0.041	157.625	TRUE	1.01E-34
FVC	EIF2AK4	cg04467278	rs7173524	T	C	0.194	0.032	0.159	7.46E-10	-0.004	0.003	0.171	0.010	37.877	TRUE	2.19E-09
FVC	EIF2AK4	cg05304366	rs11763	G	C	-0.218	0.030	0.177	4.10E-13	-0.013	0.003	3.53E-05	0.014	52.565	TRUE	1.04E-11
FVC	EIF2AK4	cg05304366	rs118058246	G	C	-0.529	0.078	0.024	1.28E-11	0.006	0.008	0.475	0.012	45.821	TRUE	2.84E-11
FVC	EIF2AK4	cg05304366	rs166702	G	A	0.140	0.024	0.454	3.82E-09	0.009	0.002	3.00E-04	0.009	34.693	TRUE	3.50E-08
FVC	EIF2AK4	cg05304366	rs16970319	G	C	-0.428	0.039	0.098	2.36E-28	-0.016	0.004	8.96E-05	0.032	121.893	TRUE	4.66E-26
FVC	EIF2AK4	cg05304366	rs2934194	A	G	0.205	0.026	0.281	1.71E-15	0.001	0.003	0.604	0.017	63.335	TRUE	4.27E-15
FVC	EIF2AK4	cg05304366	rs4566130	T	C	-0.661	0.111	0.013	2.45E-09	0.005	0.010	0.603	0.010	35.556	TRUE	4.22E-09
FVC	EIF2AK4	cg05304366	rs534757	C	T	-0.684	0.025	0.269	1.21E-159	-0.004	0.003	0.195	0.164	724.414	TRUE	1.95E-147
FVC	EIF2AK4	cg05304366	rs62004060	C	G	0.257	0.032	0.180	4.24E-16	0.008	0.003	0.011	0.018	66.087	TRUE	5.33E-15
FVC	EIF2AK4	cg05304366	rs648289	C	T	0.170	0.024	0.416	1.58E-12	-0.001	0.002	0.802	0.013	49.920	TRUE	2.70E-12
FVC	EIF2AK4	cg05304366	rs7168010	A	G	-0.340	0.054	0.048	4.50E-10	-0.002	0.005	0.693	0.010	38.863	TRUE	7.52E-10
FVC	EIF2AK4	cg05304366	rs7173524	T	C	-0.280	0.032	0.159	1.86E-18	-0.004	0.003	0.171	0.020	76.792	TRUE	1.13E-17
FVC	EIF2AK4	cg05304366	rs75931581	C	T	-0.543	0.066	0.035	3.05E-16	-0.004	0.007	0.553	0.018	66.737	TRUE	8.29E-16
FVC	EIF2AK4	cg05304366	rs8026892	C	T	-0.252	0.034	0.142	1.09E-13	0.001	0.003	0.881	0.015	55.159	TRUE	1.85E-13
FVC	EIF2AK4	cg05304366	rs8030505	C	G	-0.549	0.072	0.029	1.81E-14	-0.003	0.007	0.709	0.016	58.694	TRUE	3.76E-14
FVC	EIF2AK4	cg06753055	rs11638696	A	G	-0.615	0.072	0.028	1.84E-17	-0.015	0.007	0.024	0.019	72.273	TRUE	2.09E-16
FVC	EIF2AK4	cg06753055	rs17722526	G	A	0.141	0.025	0.356	9.97E-09	0.007	0.002	0.006	0.009	32.830	TRUE	5.73E-08
FVC	EIF2AK4	cg06753055	rs2412476	C	T	-0.219	0.025	0.295	9.07E-18	-0.008	0.003	0.002	0.020	73.666	TRUE	2.04E-16
FVC	EIF2AK4	cg06753055	rs547183	T	C	-0.226	0.024	0.499	1.55E-21	-0.003	0.002	0.279	0.024	90.805	TRUE	9.47E-21
FVC	EIF2AK4	cg06753055	rs7181860	T	C	-1.468	0.040	0.071	2.88E-295	-0.010	0.004	0.021	0.267	1348.023	TRUE	2.42E-259
FVC	EIF2AK4	cg06753055	rs74979780	A	G	-0.268	0.031	0.169	4.32E-18	-0.001	0.003	0.860	0.020	75.129	TRUE	9.33E-18
FVC	EIF2AK4	cg06753055	rs78312336	T	C	-0.940	0.133	0.015	1.72E-12	0.003	0.010	0.732	0.013	49.750	TRUE	3.13E-12
FVC	EIF2AK4	cg06753055	rs920141	C	T	-0.280	0.027	0.249	1.37E-24	-0.004	0.003	0.142	0.028	104.721	TRUE	1.59E-23

FVC	EIF2AK4	cg16127683	rs113776570	C	A	0.511	0.031	0.178	2.60E-62	-0.005	0.003	0.116	0.070	277.374	TRUE	3.24E-59
FVC	EIF2AK4	cg16127683	rs12594695	C	G	0.406	0.042	0.080	1.83E-22	-0.010	0.004	0.017	0.025	95.031	TRUE	4.09E-21
FVC	EIF2AK4	cg16127683	rs12900686	T	C	-0.593	0.024	0.331	2.44E-133	0.002	0.003	0.407	0.140	603.517	TRUE	1.10E-124
FVC	EIF2AK4	cg16127683	rs140560970	T	C	0.618	0.101	0.010	8.34E-10	-0.006	0.011	0.583	0.010	37.659	TRUE	1.49E-09
FVC	EIF2AK4	cg16127683	rs1540686	G	A	-0.260	0.024	0.448	7.25E-28	-0.001	0.002	0.841	0.031	119.664	TRUE	3.10E-27
FVC	EIF2AK4	cg16127683	rs16969811	A	G	0.311	0.041	0.092	1.59E-14	0.005	0.004	0.199	0.016	58.950	TRUE	6.49E-14
FVC	EIF2AK4	cg16127683	rs16970132	G	A	-1.395	0.067	0.035	2.46E-97	0.001	0.007	0.835	0.106	438.127	TRUE	1.08E-92
FVC	EIF2AK4	cg16127683	rs76168202	A	G	-0.629	0.098	0.012	1.57E-10	-0.006	0.010	0.542	0.011	40.922	TRUE	3.03E-10
FVC	EIF2AK4	cg16127683	rs8042947	G	A	0.215	0.026	0.259	4.21E-16	-0.008	0.003	0.004	0.018	66.101	TRUE	7.00E-15
FVC	EIF2AK4	cg19538502	rs16970319	G	C	0.242	0.038	0.098	2.88E-10	-0.016	0.004	8.96E-05	0.011	39.735	TRUE	3.82E-09
FVC	EIF2AK4	cg19538502	rs534757	C	T	0.468	0.026	0.269	4.38E-74	-0.004	0.003	0.195	0.082	331.388	TRUE	2.30E-70
FVC	EIF2AK4	cg19538502	rs7173524	T	C	0.251	0.032	0.159	1.69E-15	-0.004	0.003	0.171	0.017	63.359	TRUE	7.96E-15
FVC	EIF2AK4	cg19538502	rs74011716	T	C	0.503	0.086	0.020	5.39E-09	0.002	0.008	0.855	0.009	34.026	TRUE	7.49E-09
FVC	EIF2AK4	cg19538502	rs75931581	C	T	0.381	0.066	0.035	5.93E-09	-0.004	0.007	0.553	0.009	33.838	TRUE	1.04E-08
FVC	EIF2AK4	cg19538502	rs76699261	C	G	0.439	0.076	0.024	6.18E-09	0.002	0.008	0.835	0.009	33.758	TRUE	8.71E-09
FVC	EIF2AK4	cg19538502	rs8035396	G	A	0.127	0.023	0.464	4.13E-08	-0.001	0.002	0.623	0.008	30.073	TRUE	6.64E-08
FVC	EIF2AK4	cg20255370	rs113776570	C	A	0.500	0.031	0.178	1.14E-59	-0.005	0.003	0.116	0.067	265.252	TRUE	9.64E-57
FVC	EIF2AK4	cg20255370	rs12594695	C	G	0.410	0.042	0.080	6.41E-23	-0.010	0.004	0.017	0.026	97.102	TRUE	1.51E-21
FVC	EIF2AK4	cg20255370	rs12900686	T	C	-0.578	0.024	0.331	1.43E-126	0.002	0.003	0.407	0.134	572.416	TRUE	1.24E-118
FVC	EIF2AK4	cg20255370	rs140560970	T	C	0.577	0.101	0.010	1.03E-08	-0.006	0.011	0.583	0.009	32.757	TRUE	1.74E-08
FVC	EIF2AK4	cg20255370	rs1540686	G	A	-0.255	0.024	0.448	7.22E-27	-0.001	0.002	0.841	0.030	115.109	TRUE	2.87E-26
FVC	EIF2AK4	cg20255370	rs16969811	A	G	0.336	0.040	0.092	1.12E-16	0.005	0.004	0.199	0.018	68.702	TRUE	5.47E-16
FVC	EIF2AK4	cg20255370	rs72729494	T	A	-1.379	0.066	0.035	3.77E-96	0.001	0.007	0.830	0.105	432.679	TRUE	1.32E-91
FVC	EIF2AK4	cg20255370	rs76168202	A	G	-0.673	0.098	0.012	7.26E-12	-0.006	0.010	0.542	0.013	46.932	TRUE	1.52E-11
FVC	EIF2AK4	cg20255370	rs8042947	G	A	0.207	0.026	0.259	5.09E-15	-0.008	0.003	0.004	0.016	61.192	TRUE	7.39E-14
FVC	EIF2AK4	cg21830797	rs113728914	C	T	0.410	0.039	0.096	9.02E-26	-0.016	0.004	8.96E-05	0.029	110.105	TRUE	1.23E-23
FVC	EIF2AK4	cg21830797	rs12438821	C	T	0.348	0.052	0.057	1.70E-11	-0.003	0.005	0.513	0.012	45.266	TRUE	3.56E-11
FVC	EIF2AK4	cg21830797	rs12439335	C	T	-0.252	0.025	0.334	7.74E-25	0.003	0.003	0.312	0.028	105.848	TRUE	5.77E-24
FVC	EIF2AK4	cg21830797	rs34519780	A	G	-0.250	0.028	0.225	1.54E-19	-0.005	0.003	0.085	0.022	81.716	TRUE	1.37E-18
FVC	EIF2AK4	cg21830797	rs518770	C	T	0.850	0.025	0.269	9.08E-261	-0.004	0.003	0.160	0.243	1189.360	TRUE	9.48E-233
FVC	EIF2AK4	cg21830797	rs57932457	C	T	0.359	0.064	0.033	1.85E-08	-0.006	0.007	0.402	0.008	31.627	TRUE	3.60E-08
FVC	EIF2AK4	cg21830797	rs62004060	C	G	-0.198	0.032	0.180	3.42E-10	0.008	0.003	0.011	0.011	39.396	TRUE	2.13E-09
FVC	EIF2AK4	cg21830797	rs7173524	T	C	0.374	0.032	0.159	3.92E-32	-0.004	0.003	0.171	0.036	139.154	TRUE	8.62E-31
FVC	EIF2AK4	cg21830797	rs72729404	A	G	0.532	0.067	0.030	2.19E-15	-0.003	0.007	0.680	0.017	62.851	TRUE	4.91E-15
FVC	EIF2AK4	cg21830797	rs75110365	T	C	0.391	0.070	0.031	2.14E-08	-0.015	0.007	0.025	0.008	31.345	TRUE	8.88E-08
FVC	EIF2AK4	cg21830797	rs75931581	C	T	0.617	0.066	0.035	1.17E-20	-0.004	0.007	0.553	0.023	86.797	TRUE	4.31E-20
FVC	EIF2AK4	cg21830797	rs76699261	C	G	0.733	0.076	0.024	6.88E-22	0.002	0.008	0.835	0.024	92.408	TRUE	1.94E-21
FVC	EIF2AK4	cg21830797	rs77820631	G	A	0.697	0.110	0.014	2.53E-10	0.005	0.010	0.617	0.011	39.984	TRUE	4.52E-10
FVC	EIF2AK4	cg21830797	rs8030505	C	G	0.671	0.071	0.029	5.23E-21	-0.003	0.007	0.709	0.023	88.396	TRUE	1.62E-20
FVC	EIF2AK4	cg21830797	rs8033687	C	T	-0.154	0.025	0.327	1.25E-09	-0.004	0.003	0.121	0.010	36.873	TRUE	4.00E-09
FVC	EIF2AK4	cg22077389	rs113728914	C	T	0.444	0.039	0.096	4.53E-30	-0.016	0.004	8.96E-05	0.034	129.733	TRUE	1.15E-27
FVC	EIF2AK4	cg22077389	rs11853517	G	A	0.489	0.051	0.053	1.66E-21	0.002	0.005	0.723	0.024	90.660	TRUE	5.22E-21

FVC	EIF2AK4	cg22077389	rs12439335	C	T	-0.231	0.025	0.334	5.80E-21	0.003	0.003	0.312	0.023	88.193	TRUE	3.13E-20
FVC	EIF2AK4	cg22077389	rs166702	G	A	-0.147	0.024	0.454	4.37E-10	0.009	0.002	3.00E-04	0.010	38.917	TRUE	4.65E-09
FVC	EIF2AK4	cg22077389	rs34519780	A	G	-0.210	0.028	0.225	3.23E-14	-0.005	0.003	0.085	0.015	57.557	TRUE	1.74E-13
FVC	EIF2AK4	cg22077389	rs518770	C	T	0.821	0.025	0.269	2.83E-239	-0.004	0.003	0.160	0.228	1090.516	TRUE	4.64E-215
FVC	EIF2AK4	cg22077389	rs62004060	C	G	-0.225	0.032	0.180	1.07E-12	0.008	0.003	0.011	0.014	50.693	TRUE	8.98E-12
FVC	EIF2AK4	cg22077389	rs7173524	T	C	0.403	0.032	0.159	2.99E-37	-0.004	0.003	0.171	0.042	162.560	TRUE	1.13E-35
FVC	EIF2AK4	cg22077389	rs72729404	A	G	0.481	0.067	0.030	7.23E-13	-0.003	0.007	0.680	0.014	51.453	TRUE	1.40E-12
FVC	EIF2AK4	cg22077389	rs75110365	T	C	0.434	0.070	0.031	4.81E-10	-0.015	0.007	0.025	0.010	38.733	TRUE	2.41E-09
FVC	EIF2AK4	cg22077389	rs76699261	C	G	0.735	0.076	0.024	4.44E-22	0.002	0.008	0.835	0.025	93.272	TRUE	1.27E-21
FVC	EIF2AK4	cg22077389	rs8030505	C	G	0.642	0.071	0.029	2.45E-19	-0.003	0.007	0.709	0.021	80.791	TRUE	6.82E-19
FVC	EIF2AK4	cg25407064	rs12438821	C	T	0.360	0.052	0.057	3.27E-12	-0.003	0.005	0.513	0.013	48.492	TRUE	7.16E-12
FVC	EIF2AK4	cg25407064	rs12439335	C	T	-0.251	0.025	0.334	1.68E-24	0.003	0.003	0.312	0.027	104.309	TRUE	1.22E-23
FVC	EIF2AK4	cg25407064	rs166702	G	A	-0.145	0.024	0.454	8.99E-10	0.009	0.002	3.00E-04	0.010	37.512	TRUE	9.11E-09
FVC	EIF2AK4	cg25407064	rs16970319	G	C	0.470	0.039	0.098	5.01E-34	-0.016	0.004	8.96E-05	0.038	147.811	TRUE	2.29E-31
FVC	EIF2AK4	cg25407064	rs34519780	A	G	-0.233	0.028	0.225	3.70E-17	-0.005	0.003	0.085	0.019	70.890	TRUE	2.63E-16
FVC	EIF2AK4	cg25407064	rs4566130	T	C	0.610	0.111	0.013	3.64E-08	0.005	0.010	0.603	0.008	30.318	TRUE	5.86E-08
FVC	EIF2AK4	cg25407064	rs518770	C	T	0.883	0.024	0.269	2.39E-284	-0.004	0.003	0.160	0.260	1297.801	TRUE	7.00E-252
FVC	EIF2AK4	cg25407064	rs57932457	C	T	0.411	0.064	0.033	1.27E-10	-0.006	0.007	0.402	0.011	41.335	TRUE	2.84E-10
FVC	EIF2AK4	cg25407064	rs62004060	C	G	-0.252	0.032	0.180	1.33E-15	0.008	0.003	0.011	0.017	63.832	TRUE	1.58E-14
FVC	EIF2AK4	cg25407064	rs7173524	T	C	0.414	0.032	0.159	4.44E-39	-0.004	0.003	0.171	0.044	170.925	TRUE	2.06E-37
FVC	EIF2AK4	cg25407064	rs72729408	G	A	0.483	0.065	0.034	7.97E-14	-0.004	0.007	0.591	0.015	55.783	TRUE	1.79E-13
FVC	EIF2AK4	cg25407064	rs75931581	C	T	0.641	0.066	0.035	3.39E-22	-0.004	0.007	0.553	0.025	93.805	TRUE	1.39E-21
FVC	EIF2AK4	cg25407064	rs76699261	C	G	0.711	0.076	0.024	1.09E-20	0.002	0.008	0.835	0.023	86.940	TRUE	2.85E-20
FVC	EIF2AK4	cg25407064	rs8030505	C	G	0.681	0.071	0.029	1.46E-21	-0.003	0.007	0.709	0.024	90.918	TRUE	4.70E-21
FVC	ENO1	cg02088347	rs2038903	T	G	-0.159	0.023	0.439	1.30E-11	-0.006	0.002	0.014	0.012	45.787	TRUE	8.95E-11
FVC	ENO1	cg06972019	rs11121223	A	T	-0.536	0.029	0.195	6.51E-74	-0.004	0.003	0.186	0.082	330.599	TRUE	3.34E-70
FVC	ENO1	cg06972019	rs11121250	T	C	0.560	0.027	0.250	7.61E-98	0.004	0.003	0.142	0.106	440.464	TRUE	4.41E-92
FVC	ENO1	cg06972019	rs112104220	G	A	-0.644	0.096	0.019	2.20E-11	-0.010	0.009	0.298	0.012	44.757	TRUE	5.94E-11
FVC	ENO1	cg06972019	rs115127818	A	G	0.758	0.101	0.016	4.71E-14	-0.010	0.009	0.229	0.015	56.816	TRUE	1.73E-13
FVC	ENO1	cg06972019	rs12120339	A	G	0.637	0.066	0.030	3.09E-22	-0.002	0.007	0.720	0.025	93.993	TRUE	1.02E-21
FVC	ENO1	cg06972019	rs12124851	G	A	0.922	0.021	0.305	<1E-200	0.004	0.003	0.109	0.340	1905.596	TRUE	<1E-200
FVC	ENO1	cg06972019	rs12129659	G	T	0.648	0.087	0.019	8.40E-14	-0.006	0.009	0.517	0.015	55.681	TRUE	2.05E-13
FVC	ENO1	cg06972019	rs12565639	A	G	-0.616	0.029	0.207	2.55E-102	-0.008	0.003	0.009	0.111	461.014	TRUE	3.59E-95
FVC	ENO1	cg06972019	rs138601087	A	G	0.508	0.068	0.031	5.13E-14	-0.003	0.007	0.712	0.015	56.649	TRUE	1.03E-13
FVC	ENO1	cg06972019	rs139366811	C	T	-0.499	0.079	0.021	2.17E-10	0.001	0.008	0.930	0.011	40.286	TRUE	3.02E-10
FVC	ENO1	cg06972019	rs141582190	G	A	0.334	0.041	0.091	3.91E-16	0.006	0.004	0.129	0.018	66.247	TRUE	2.18E-15
FVC	ENO1	cg06972019	rs146274314	T	C	-0.511	0.072	0.028	1.03E-12	-0.014	0.007	0.040	0.014	50.761	TRUE	6.07E-12
FVC	ENO1	cg06972019	rs150617841	G	A	-0.534	0.089	0.018	2.17E-09	-0.007	0.009	0.460	0.010	35.792	TRUE	4.25E-09
FVC	ENO1	cg06972019	rs150875913	A	G	0.522	0.073	0.024	1.24E-12	0.004	0.008	0.603	0.013	50.392	TRUE	2.57E-12
FVC	ENO1	cg06972019	rs59092168	T	A	-0.513	0.047	0.057	5.37E-28	-0.001	0.005	0.819	0.031	120.259	TRUE	2.35E-27
FVC	ENO1	cg06972019	rs72636907	T	C	0.332	0.035	0.115	4.54E-21	0.007	0.004	0.039	0.023	88.676	TRUE	6.34E-20
FVC	ENO1	cg06972019	rs7417097	A	G	0.278	0.028	0.232	2.25E-23	0.000	0.003	0.977	0.026	99.173	TRUE	5.94E-23

FVC	ENO1	cg06972019	rs7521910	C	T	0.152	0.025	0.376	7.04E-10	0.002	0.002	0.544	0.010	37.990	TRUE	1.33E-09
FVC	ENO1	cg06972019	rs7545200	A	G	0.202	0.027	0.253	2.93E-14	0.000	0.003	0.963	0.015	57.750	TRUE	4.69E-14
FVC	ENO1	cg06972019	rs80001448	A	G	0.506	0.066	0.033	1.73E-14	0.003	0.007	0.681	0.016	58.782	TRUE	3.70E-14
FVC	ENO1	cg10313368	rs1064826	A	G	0.306	0.025	0.294	2.55E-33	0.006	0.003	0.031	0.038	144.581	TRUE	1.46E-31
FVC	ENO1	cg10313368	rs11121242	A	G	0.787	0.020	0.484	<1E-200	0.005	0.002	0.023	0.286	1479.394	TRUE	5.85E-282
FVC	ENO1	cg10313368	rs114894025	G	A	-0.410	0.069	0.034	3.17E-09	-0.011	0.007	0.086	0.009	35.056	TRUE	1.07E-08
FVC	ENO1	cg10313368	rs11585385	G	T	-0.238	0.027	0.271	2.65E-19	-0.007	0.003	0.005	0.021	80.642	TRUE	5.46E-18
FVC	ENO1	cg10313368	rs116445980	T	C	0.558	0.050	0.061	4.51E-29	0.012	0.005	0.029	0.033	125.173	TRUE	1.68E-27
FVC	ENO1	cg10313368	rs12566559	C	T	0.253	0.028	0.232	1.48E-19	0.000	0.003	0.939	0.022	81.785	TRUE	3.22E-19
FVC	ENO1	cg10313368	rs12732947	C	A	-0.291	0.025	0.328	4.21E-31	-0.005	0.003	0.036	0.035	134.447	TRUE	1.87E-29
FVC	ENO1	cg10313368	rs138601087	A	G	0.432	0.068	0.031	1.65E-10	-0.003	0.007	0.712	0.011	40.818	TRUE	2.75E-10
FVC	ENO1	cg10313368	rs140458899	T	C	-0.400	0.052	0.066	2.08E-14	0.000	0.005	0.943	0.016	58.419	TRUE	3.43E-14
FVC	ENO1	cg10313368	rs17383360	G	A	-0.396	0.047	0.056	3.72E-17	-0.001	0.005	0.823	0.019	70.880	TRUE	8.00E-17
FVC	ENO1	cg10313368	rs17385829	C	T	0.362	0.066	0.030	3.86E-08	0.001	0.007	0.938	0.008	30.204	TRUE	4.91E-08
FVC	ENO1	cg10313368	rs192251961	A	G	0.461	0.075	0.044	8.63E-10	0.013	0.006	0.028	0.010	37.593	TRUE	4.07E-09
FVC	ENO1	cg10313368	rs301800	T	C	0.249	0.031	0.175	2.32E-15	0.003	0.003	0.372	0.017	62.737	TRUE	7.38E-15
FVC	ENO1	cg10313368	rs61787660	A	G	-0.213	0.029	0.208	2.45E-13	-0.002	0.003	0.558	0.014	53.574	TRUE	5.54E-13
FVC	ENO1	cg10313368	rs6665631	G	A	0.311	0.025	0.314	6.48E-35	0.001	0.003	0.656	0.039	151.874	TRUE	6.40E-34
FVC	ENO1	cg10443148	rs112984832	T	C	0.329	0.040	0.079	2.92E-16	0.008	0.004	0.048	0.018	66.821	TRUE	2.33E-15
FVC	ENO1	cg10443148	rs11590606	C	T	0.613	0.022	0.498	1.82E-163	0.005	0.002	0.020	0.167	741.979	TRUE	1.25E-149
FVC	ENO1	cg10443148	rs116445980	T	C	0.379	0.050	0.061	3.12E-14	0.012	0.005	0.029	0.015	57.627	TRUE	2.33E-13
FVC	ENO1	cg10443148	rs12732947	C	A	-0.203	0.025	0.328	6.56E-16	-0.005	0.003	0.036	0.017	65.225	TRUE	5.64E-15
FVC	ENO1	cg10443148	rs17383360	G	A	-0.298	0.047	0.056	2.30E-10	-0.001	0.005	0.823	0.011	40.171	TRUE	3.49E-10
FVC	ENO1	cg10443148	rs1889853	A	C	-0.260	0.028	0.225	1.07E-20	-0.005	0.003	0.081	0.023	86.988	TRUE	1.09E-19
FVC	ENO1	cg10443148	rs301800	T	C	0.228	0.031	0.175	3.94E-13	0.003	0.003	0.372	0.014	52.646	TRUE	1.07E-12
FVC	ENO1	cg10443148	rs7526401	C	T	-0.169	0.025	0.333	1.37E-11	0.002	0.003	0.541	0.012	45.688	TRUE	2.81E-11
FVC	ENO1	cg10443148	rs80001448	A	G	0.403	0.066	0.033	9.67E-10	0.003	0.007	0.681	0.010	37.371	TRUE	1.59E-09
FVC	ENO1	cg12711814	rs2038904	A	G	0.261	0.031	0.176	2.12E-17	0.005	0.003	0.116	0.019	71.993	TRUE	1.35E-16
FVC	ENO1	cg13785123	rs11121247	T	C	0.257	0.031	0.179	1.14E-16	0.005	0.003	0.145	0.018	68.676	TRUE	6.28E-16
FVC	ENO1	cg13785123	rs12125525	G	A	0.206	0.025	0.320	1.33E-16	0.005	0.003	0.034	0.018	68.365	TRUE	1.23E-15
FVC	ENO1	cg13785123	rs144754886	G	T	-0.435	0.070	0.033	4.93E-10	-0.011	0.007	0.092	0.010	38.682	TRUE	1.77E-09
FVC	ENO1	cg13785123	rs2071412	T	G	-0.537	0.026	0.271	3.15E-98	-0.006	0.003	0.033	0.107	442.226	TRUE	7.32E-92
FVC	ENO1	cg13785123	rs56193077	G	C	-0.449	0.065	0.026	6.34E-12	0.009	0.007	0.193	0.013	47.195	TRUE	2.11E-11
FVC	ENO1	cg13785123	rs77746148	T	C	-0.411	0.063	0.033	9.82E-11	-0.009	0.007	0.197	0.011	41.834	TRUE	2.93E-10
FVC	ENO1	cg18273817	rs10864368	T	C	0.397	0.023	0.498	7.77E-66	0.006	0.002	0.018	0.074	293.543	TRUE	6.36E-62
FVC	ENO1	cg18273817	rs12754538	T	C	-0.160	0.028	0.243	8.23E-09	-0.004	0.003	0.175	0.009	33.202	TRUE	2.20E-08
FVC	ENO1	cg18273817	rs4908795	G	C	0.181	0.029	0.208	2.44E-10	0.005	0.003	0.116	0.011	40.058	TRUE	8.28E-10
FVC	ENO1	cg18273817	rs57399447	T	A	0.155	0.024	0.370	1.18E-10	0.005	0.002	0.051	0.011	41.482	TRUE	5.27E-10
FVC	ENO1	cg20971527	rs11121246	T	G	0.295	0.023	0.498	1.19E-37	0.006	0.002	0.016	0.043	164.381	TRUE	1.69E-35
FVC	ENTPD4	cg00472375	rs1140161	T	C	0.196	0.032	0.211	7.91E-10	0.002	0.003	0.574	0.010	37.763	TRUE	1.44E-09
FVC	ENTPD4	cg00472375	rs11779446	G	A	0.421	0.034	0.160	8.27E-35	-0.001	0.003	0.827	0.039	151.390	TRUE	6.25E-34
FVC	ENTPD4	cg00472375	rs12549531	T	C	0.409	0.052	0.060	6.70E-15	-0.009	0.005	0.064	0.016	60.651	TRUE	4.21E-14

FVC	ENTPD4	cg00472375	rs138440472	G	A	-0.533	0.047	0.078	1.29E-29	0.000	0.004	0.925	0.033	127.658	TRUE	5.54E-29
FVC	ENTPD4	cg00472375	rs17768448	C	T	-0.497	0.073	0.071	9.55E-12	0.006	0.005	0.174	0.012	46.394	TRUE	3.27E-11
FVC	ENTPD4	cg00472375	rs2942194	G	A	-0.304	0.028	0.279	7.17E-27	-0.003	0.003	0.285	0.030	115.122	TRUE	6.91E-26
FVC	ENTPD4	cg00472375	rs35826859	C	G	-0.156	0.027	0.349	4.55E-09	-0.006	0.002	0.025	0.009	34.354	TRUE	2.08E-08
FVC	ENTPD4	cg00472375	rs4871879	G	A	0.405	0.061	0.108	2.23E-11	0.001	0.004	0.790	0.012	44.734	TRUE	3.66E-11
FVC	ENTPD4	cg00472375	rs56112369	A	G	0.397	0.033	0.160	1.33E-32	-0.003	0.003	0.283	0.037	141.303	TRUE	2.24E-31
FVC	ENTPD4	cg00472375	rs59281026	A	G	-0.378	0.034	0.164	6.92E-29	-0.004	0.003	0.225	0.033	124.324	TRUE	9.30E-28
FVC	ENTPD4	cg00472375	rs6557673	C	T	0.250	0.028	0.272	1.42E-18	0.000	0.003	0.928	0.020	77.320	TRUE	2.93E-18
FVC	ENTPD4	cg00472375	rs73226488	G	A	0.281	0.028	0.276	1.40E-23	0.000	0.003	0.962	0.026	100.108	TRUE	3.76E-23
FVC	ENTPD4	cg00472375	rs7839561	T	C	0.415	0.040	0.111	1.08E-24	0.005	0.004	0.165	0.028	105.181	TRUE	1.15E-23
FVC	ENTPD4	cg02151632	rs28579964	T	C	-2.091	0.071	0.033	2.72E-192	0.014	0.006	0.032	0.191	874.492	TRUE	1.10E-174
FVC	ENTPD4	cg02151632	rs4242399	T	G	-0.205	0.028	0.303	1.92E-13	0.004	0.003	0.110	0.014	54.054	TRUE	8.76E-13
FVC	ENTPD4	cg02151632	rs4639518	G	T	-0.190	0.026	0.409	2.71E-13	0.003	0.002	0.199	0.014	53.382	TRUE	9.98E-13
FVC	ENTPD4	cg02151632	rs7017185	G	A	-0.317	0.055	0.058	1.02E-08	-0.002	0.005	0.684	0.009	32.784	TRUE	1.59E-08
FVC	ENTPD4	cg02151632	rs7846631	A	G	-0.287	0.035	0.158	3.72E-16	0.005	0.003	0.140	0.018	66.342	TRUE	1.99E-15
FVC	ENTPD4	cg02151632	rs972573	T	C	-0.191	0.030	0.238	2.52E-10	0.001	0.003	0.606	0.011	39.991	TRUE	4.52E-10
FVC	ENTPD4	cg04177885	rs17089244	T	C	-0.352	0.043	0.096	1.98E-16	0.002	0.004	0.707	0.018	67.588	TRUE	4.56E-16
FVC	ENTPD4	cg09238382	rs10108137	T	C	-1.759	0.072	0.032	5.50E-131	0.015	0.006	0.022	0.138	592.707	TRUE	3.44E-121
FVC	ENTPD4	cg09238382	rs4282585	C	T	-0.155	0.028	0.314	2.30E-08	0.003	0.003	0.172	0.008	31.203	TRUE	5.90E-08
FVC	ENTPD4	cg09238382	rs7822769	A	C	-0.164	0.026	0.369	3.24E-10	0.000	0.002	0.970	0.011	39.502	TRUE	4.37E-10
FVC	ENTPD4	cg14564237	rs12155806	C	T	0.177	0.029	0.237	1.43E-09	-0.003	0.003	0.215	0.010	36.606	TRUE	3.83E-09
FVC	ENTPD4	cg25329685	rs12545866	C	A	0.140	0.026	0.394	4.28E-08	0.001	0.002	0.792	0.008	30.004	TRUE	5.94E-08
FVC	ENTPD4	cg25329685	rs2942200	A	G	-0.191	0.027	0.329	2.16E-12	-0.003	0.003	0.245	0.013	49.309	TRUE	6.77E-12
FVC	ENTPD4	cg25329685	rs56112369	A	G	0.312	0.034	0.160	1.38E-20	-0.003	0.003	0.283	0.023	86.479	TRUE	7.88E-20
FVC	ENTPD4	cg25329685	rs7832251	T	C	-0.343	0.025	0.455	9.67E-43	0.001	0.002	0.794	0.048	187.685	TRUE	1.62E-41
FVC	EPHA2	cg00107046	rs11260745	C	T	-0.299	0.054	0.046	4.02E-08	0.002	0.006	0.792	0.008	30.126	TRUE	5.63E-08
FVC	EPHA2	cg03258665	rs7514138	A	G	0.325	0.036	0.122	8.82E-20	0.014	0.004	1.02E-04	0.022	82.812	TRUE	5.19E-18
FVC	EPHA2	cg03258665	rs7538833	T	C	-0.348	0.024	0.375	2.86E-47	-0.005	0.002	0.025	0.053	208.428	TRUE	1.15E-44
FVC	EPHA2	cg03258665	rs9442213	T	C	-0.202	0.027	0.261	5.16E-14	-0.004	0.003	0.170	0.015	56.638	TRUE	2.13E-13
FVC	EPHA2	cg15074789	rs113286431	C	T	0.593	0.085	0.017	2.44E-12	0.025	0.008	0.002	0.013	49.065	TRUE	2.84E-11
FVC	EPHA2	cg15074789	rs12738633	T	A	0.583	0.059	0.034	6.44E-23	0.005	0.006	0.436	0.026	97.095	TRUE	3.32E-22
FVC	EPHA2	cg15074789	rs1803527	C	T	0.958	0.060	0.037	3.85E-57	0.006	0.006	0.377	0.064	253.666	TRUE	8.38E-55
FVC	EPHA2	cg15074789	rs34025793	A	G	0.462	0.084	0.019	3.54E-08	-0.011	0.008	0.142	0.008	30.372	TRUE	9.44E-08
FVC	EPHA2	cg21647035	rs12401559	T	C	-0.332	0.025	0.337	9.12E-41	-0.004	0.003	0.103	0.046	178.646	TRUE	6.80E-39
FVC	EPHA2	cg21647035	rs3738631	G	C	0.136	0.024	0.337	2.77E-08	0.010	0.002	9.72E-05	0.008	30.844	TRUE	2.73E-07
FVC	EPHA2	cg21647035	rs7515143	G	A	-0.137	0.025	0.335	3.84E-08	-0.004	0.003	0.148	0.008	30.212	TRUE	1.01E-07
FVC	EPHA2	cg21647035	rs9442232	A	G	-0.183	0.026	0.294	1.11E-12	-0.003	0.003	0.236	0.013	50.609	TRUE	3.65E-12
FVC	EPHA2	cg22874802	rs138997233	T	C	0.918	0.165	0.011	2.75E-08	0.003	0.011	0.773	0.008	30.857	TRUE	3.95E-08
FVC	EPHA2	cg24494577	rs6678616	T	C	0.270	0.025	0.346	1.17E-27	-0.004	0.003	0.087	0.031	118.710	TRUE	2.26E-26
FVC	EPHA2	cg24518441	rs6678616	T	C	-0.153	0.025	0.346	4.96E-10	-0.004	0.003	0.087	0.010	38.674	TRUE	1.77E-09
FVC	EPHA2	cg26371327	rs28695308	C	T	0.186	0.024	0.483	4.63E-15	0.003	0.002	0.292	0.016	61.380	TRUE	1.64E-14
FVC	EPHA2	cg26371327	rs6679761	A	G	-0.360	0.024	0.373	1.01E-50	-0.005	0.002	0.024	0.057	224.243	TRUE	6.56E-48

FVC	EPHA2	cg26371327	rs74394813	T	C	0.392	0.036	0.120	6.78E-28	0.015	0.004	4.05E-05	0.031	119.799	TRUE	1.64E-25
FVC	EPHA2	cg26793227	rs3132274	T	C	-0.193	0.035	0.126	4.95E-08	0.013	0.004	1.23E-04	0.008	29.721	TRUE	4.30E-07
FVC	EPHA2	cg27582323	rs28553367	G	T	-0.211	0.027	0.267	1.91E-15	-0.004	0.003	0.098	0.017	63.126	TRUE	1.10E-14
FVC	EPHA2	cg27582323	rs59792697	T	C	0.290	0.036	0.122	5.69E-16	0.014	0.004	6.70E-05	0.017	65.506	TRUE	1.94E-14
FVC	EPHA2	cg27582323	rs6679761	A	G	-0.340	0.024	0.373	3.97E-45	-0.005	0.002	0.024	0.051	198.613	TRUE	1.19E-42
FVC	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	-0.008	0.003	0.001	0.016	60.309	TRUE	1.38E-13
FVC	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	-0.003	0.002	0.257	0.012	45.175	TRUE	5.09E-11
FVC	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.001	0.004	0.855	0.046	179.017	TRUE	9.59E-40
FVC	ERBB3	cg10869879	rs76219216	C	G	0.323	0.053	0.047	9.11E-10	0.013	0.005	0.017	0.010	37.486	TRUE	4.85E-09
FVC	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	-0.008	0.003	0.001	0.041	157.406	TRUE	1.19E-33
FVC	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	-0.007	0.002	0.003	0.020	74.210	TRUE	1.43E-16
FVC	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	-0.008	0.003	0.002	0.047	183.509	TRUE	4.58E-39
FVC	ERCC4	cg03927470	rs13334256	T	G	-0.174	0.031	0.173	1.96E-08	-0.001	0.003	0.847	0.008	31.521	TRUE	2.69E-08
FVC	ERCC4	cg03927470	rs3136155	T	C	-0.530	0.024	0.341	8.26E-109	-0.005	0.003	0.028	0.117	490.823	TRUE	1.94E-101
FVC	ERCC4	cg03927470	rs66859427	C	A	0.174	0.027	0.255	1.92E-10	0.002	0.003	0.395	0.011	40.524	TRUE	4.30E-10
FVC	ERCC4	cg03927470	rs72783404	C	T	-0.364	0.066	0.035	3.38E-08	0.002	0.006	0.707	0.008	30.461	TRUE	5.03E-08
FVC	ERCC4	cg24091698	rs3136085	C	G	-0.197	0.026	0.276	2.10E-14	-0.007	0.003	0.004	0.016	58.408	TRUE	2.59E-13
FVC	ERN1	cg02090547	rs117212769	T	C	0.755	0.081	0.021	1.68E-20	-0.016	0.008	0.048	0.023	86.091	TRUE	2.08E-19
FVC	ERN1	cg02090547	rs12947552	G	C	0.218	0.025	0.352	9.69E-19	-0.006	0.003	0.024	0.021	78.079	TRUE	1.24E-17
FVC	ERN1	cg02090547	rs56025313	C	T	0.703	0.048	0.115	9.98E-48	0.001	0.004	0.804	0.054	210.521	TRUE	2.73E-46
FVC	ERN1	cg02090547	rs7219767	A	G	0.471	0.083	0.043	1.35E-08	-0.006	0.006	0.279	0.009	32.243	TRUE	3.01E-08
FVC	ERN1	cg02090547	rs79836779	C	G	0.473	0.083	0.020	1.01E-08	0.015	0.009	0.092	0.009	32.811	TRUE	3.17E-08
FVC	ERN1	cg09197799	rs1010940	A	G	0.172	0.024	0.389	9.32E-13	-0.006	0.002	0.021	0.014	50.955	TRUE	6.65E-12
FVC	ERN1	cg09197799	rs12452316	G	T	0.694	0.101	0.014	6.38E-12	0.018	0.010	0.065	0.013	47.183	TRUE	3.01E-11
FVC	ERN1	cg09197799	rs16947352	T	C	0.151	0.024	0.408	2.68E-10	0.003	0.002	0.184	0.011	39.873	TRUE	7.95E-10
FVC	ERN1	cg09197799	rs34357194	C	T	0.154	0.027	0.250	1.74E-08	0.012	0.003	2.15E-05	0.009	31.743	TRUE	2.08E-07
FVC	ERN1	cg09197799	rs56025313	C	T	0.960	0.047	0.115	8.46E-92	0.001	0.004	0.804	0.100	412.703	TRUE	1.39E-87
FVC	ERN1	cg09197799	rs79836779	C	G	0.630	0.082	0.020	1.89E-14	0.015	0.009	0.092	0.016	58.607	TRUE	1.02E-13
FVC	ERN1	cg09197799	rs9911085	C	T	-0.170	0.029	0.206	3.71E-09	-0.005	0.003	0.088	0.009	34.753	TRUE	1.24E-08
FVC	ERN1	cg11099375	rs196907	A	G	0.205	0.028	0.230	3.99E-13	-0.007	0.003	0.013	0.014	52.619	TRUE	3.17E-12
FVC	ERN1	cg12258847	rs196933	G	A	-0.172	0.028	0.245	5.31E-10	-0.007	0.003	0.013	0.010	38.539	TRUE	3.09E-09
FVC	ERN1	cg14603886	rs2331413	G	A	0.215	0.032	0.154	2.64E-11	-0.007	0.003	0.026	0.012	44.405	TRUE	1.52E-10
FVC	ERN1	cg17463083	rs196952	C	T	-0.201	0.027	0.247	2.20E-13	-0.007	0.003	0.013	0.014	53.787	TRUE	1.91E-12
FVC	EYA2	cg00507855	rs11698310	G	A	-0.206	0.026	0.275	2.30E-15	0.010	0.003	2.33E-04	0.017	62.756	TRUE	5.96E-14
FVC	EYA2	cg00507855	rs11698823	A	T	0.187	0.027	0.255	6.06E-12	-0.001	0.003	0.696	0.013	47.284	TRUE	1.12E-11
FVC	EYA2	cg00507855	rs143763104	T	G	-0.853	0.131	0.014	6.50E-11	-0.012	0.010	0.258	0.011	42.640	TRUE	1.78E-10
FVC	EYA2	cg06554935	rs6122562	G	A	0.214	0.023	0.471	3.05E-20	-0.001	0.002	0.713	0.022	84.913	TRUE	9.11E-20
FVC	EYA2	cg26046136	rs6018188	G	A	-0.215	0.024	0.496	7.75E-20	0.020	0.002	4.54E-18	0.022	83.069	TRUE	1.97E-16
FVC	EYA2	cg27589058	rs116887461	A	G	0.660	0.105	0.028	3.71E-10	0.017	0.007	0.018	0.010	39.239	TRUE	1.99E-09
FVC	EYA2	cg27589058	rs11696358	G	C	-0.227	0.037	0.111	1.32E-09	0.000	0.004	0.908	0.010	36.760	TRUE	1.81E-09
FVC	EYA2	cg27589058	rs1340774	G	C	0.174	0.026	0.285	3.23E-11	-0.003	0.003	0.245	0.012	44.010	TRUE	9.22E-11
FVC	EYA2	cg27589058	rs141614125	T	C	-0.587	0.082	0.020	1.09E-12	0.006	0.008	0.436	0.014	50.652	TRUE	2.69E-12

FVC	EYA2	cg27589058	rs2066225	T	C	0.290	0.023	0.487	2.61E-35	0.000	0.002	0.977	0.040	153.680	TRUE	1.68E-34
FVC	EYA2	cg27589058	rs28410109	T	C	0.422	0.056	0.045	3.34E-14	0.002	0.006	0.670	0.015	57.494	TRUE	7.09E-14
FVC	EYA2	cg27589058	rs2868859	T	C	0.277	0.024	0.356	7.88E-30	-0.001	0.003	0.634	0.034	128.634	TRUE	5.24E-29
FVC	EYA2	cg27589058	rs2903940	G	A	0.824	0.020	0.495	<1E-200	-0.003	0.002	0.204	0.309	1652.887	TRUE	<1E-200
FVC	EYA2	cg27589058	rs4810621	C	T	-0.467	0.036	0.125	2.49E-39	0.006	0.004	0.110	0.044	172.074	TRUE	1.59E-37
FVC	EYA2	cg27589058	rs6018337	A	G	0.405	0.057	0.087	9.67E-13	-0.004	0.004	0.383	0.014	50.882	TRUE	2.57E-12
FVC	EYA2	cg27589058	rs6066249	T	C	-0.373	0.024	0.404	2.11E-54	0.004	0.002	0.120	0.061	241.109	TRUE	8.35E-52
FVC	EYA4	cg00156497	rs113131165	A	G	-0.869	0.116	0.011	7.68E-14	0.003	0.011	0.745	0.015	55.855	TRUE	1.48E-13
FVC	EYA4	cg00156497	rs117434049	A	G	0.472	0.080	0.026	3.44E-09	0.009	0.008	0.270	0.009	34.898	TRUE	8.17E-09
FVC	EYA4	cg00156497	rs12154093	T	C	-0.696	0.093	0.016	6.51E-14	0.012	0.009	0.153	0.015	56.182	TRUE	2.77E-13
FVC	EYA4	cg00156497	rs12189904	T	C	0.516	0.036	0.144	3.56E-47	-0.005	0.003	0.161	0.053	207.994	TRUE	4.42E-45
FVC	EYA4	cg00156497	rs1343867	T	C	0.635	0.025	0.348	1.88E-138	-0.003	0.003	0.198	0.145	627.016	TRUE	8.58E-129
FVC	EYA4	cg00156497	rs141902412	G	T	-0.507	0.090	0.046	2.03E-08	0.000	0.006	0.995	0.008	31.452	TRUE	2.49E-08
FVC	EYA4	cg00156497	rs150999062	A	C	-0.967	0.075	0.025	2.12E-38	-0.019	0.008	0.015	0.043	167.813	TRUE	3.34E-36
FVC	EYA4	cg00156497	rs184200748	T	A	0.519	0.076	0.022	1.16E-11	-0.008	0.008	0.283	0.012	46.016	TRUE	3.26E-11
FVC	EYA4	cg00156497	rs2104261	T	C	-0.233	0.031	0.206	1.23E-13	-0.001	0.003	0.857	0.015	54.937	TRUE	2.10E-13
FVC	EYA4	cg00156497	rs211436	T	C	0.600	0.029	0.244	8.99E-98	0.009	0.003	0.001	0.106	440.132	TRUE	1.75E-90
FVC	EYA4	cg00156497	rs212785	C	T	0.358	0.039	0.116	4.68E-20	-0.003	0.004	0.438	0.022	84.066	TRUE	1.91E-19
FVC	EYA4	cg00156497	rs2294758	A	G	-0.211	0.027	0.326	9.98E-15	-0.003	0.003	0.191	0.016	59.867	TRUE	4.22E-14
FVC	EYA4	cg00156497	rs2327351	G	A	-0.432	0.029	0.248	2.94E-50	-0.001	0.003	0.815	0.057	222.117	TRUE	1.04E-48
FVC	EYA4	cg00156497	rs2636610	A	G	0.212	0.033	0.168	1.81E-10	-0.009	0.003	0.003	0.011	40.642	TRUE	1.48E-09
FVC	EYA4	cg00156497	rs271140	G	A	0.343	0.027	0.354	3.68E-38	0.003	0.003	0.243	0.043	166.720	TRUE	1.19E-36
FVC	EYA4	cg00156497	rs3798355	T	C	0.399	0.048	0.072	1.97E-16	0.010	0.005	0.038	0.018	67.594	TRUE	1.74E-15
FVC	EYA4	cg00156497	rs509685	A	G	-0.975	0.025	0.266	<1E-200	0.003	0.003	0.203	0.296	1554.923	TRUE	2.25E-296
FVC	EYA4	cg00156497	rs59740783	A	G	-0.253	0.040	0.116	1.60E-10	-0.003	0.004	0.370	0.011	40.877	TRUE	3.70E-10
FVC	EYA4	cg00156497	rs72996130	C	A	0.474	0.085	0.051	2.64E-08	0.008	0.005	0.098	0.008	30.937	TRUE	7.90E-08
FVC	EYA4	cg00156497	rs75673578	T	C	-0.567	0.077	0.065	1.44E-13	0.000	0.004	0.940	0.015	54.627	TRUE	2.27E-13
FVC	EYA4	cg00156497	rs75800244	T	C	-0.344	0.055	0.055	3.22E-10	0.012	0.005	0.012	0.011	39.517	TRUE	1.89E-09
FVC	EYA4	cg00156497	rs7750244	T	C	0.422	0.029	0.257	7.14E-48	-0.002	0.003	0.520	0.054	211.189	TRUE	3.58E-46
FVC	EYA4	cg00156497	rs79506917	G	A	0.414	0.052	0.056	2.93E-15	-0.008	0.005	0.071	0.017	62.281	TRUE	1.85E-14
FVC	EYA4	cg00156497	rs79597233	C	T	-0.784	0.096	0.016	4.24E-16	-0.005	0.009	0.600	0.018	66.084	TRUE	1.09E-15
FVC	EYA4	cg00156497	rs9373034	T	C	0.245	0.028	0.317	1.07E-18	0.001	0.003	0.610	0.021	77.881	TRUE	3.18E-18
FVC	EYA4	cg00156497	rs998630	G	A	-0.453	0.081	0.026	1.90E-08	-0.010	0.007	0.184	0.008	31.579	TRUE	4.85E-08
FVC	EYA4	cg01162672	rs569833	T	C	0.190	0.029	0.252	1.20E-10	0.004	0.003	0.121	0.011	41.441	TRUE	4.30E-10
FVC	EYA4	cg08917489	rs3777781	A	T	-0.228	0.030	0.221	3.09E-14	-0.008	0.003	0.005	0.015	57.648	TRUE	3.58E-13
FVC	EYA4	cg08917489	rs9402497	A	G	0.235	0.031	0.221	1.36E-14	-0.005	0.003	0.061	0.016	59.254	TRUE	8.66E-14
FVC	EYA4	cg10105884	rs7756044	C	T	0.302	0.042	0.100	6.11E-13	0.000	0.004	0.976	0.014	51.784	TRUE	9.12E-13
FVC	EYA4	cg13912545	rs1338009	C	T	0.228	0.025	0.442	2.10E-19	-0.009	0.002	1.39E-04	0.021	81.099	TRUE	1.02E-17
FVC	EYA4	cg17722675	rs546329	C	T	0.164	0.027	0.369	7.49E-10	0.004	0.003	0.114	0.010	37.868	TRUE	2.45E-09
FVC	EYA4	cg17985029	rs12200155	A	G	0.320	0.030	0.223	9.42E-26	0.000	0.003	0.938	0.029	110.018	TRUE	3.01E-25
FVC	EYA4	cg17985029	rs1338009	C	T	0.662	0.024	0.442	1.08E-167	-0.009	0.002	1.39E-04	0.171	761.400	TRUE	9.30E-152
FVC	EYA4	cg17985029	rs1338015	G	A	0.547	0.063	0.042	5.28E-18	-0.003	0.006	0.543	0.020	74.731	TRUE	1.64E-17

FVC	EYA4	cg17985029	rs1763931	T	C	0.407	0.072	0.033	1.48E-08	-0.019	0.007	0.004	0.009	32.056	TRUE	8.60E-08
FVC	EYA4	cg17985029	rs271146	A	G	-0.189	0.028	0.309	8.94E-12	0.005	0.003	0.060	0.012	46.523	TRUE	4.28E-11
FVC	EYA4	cg17985029	rs35047285	T	A	0.221	0.028	0.297	1.93E-15	-0.003	0.003	0.305	0.017	63.101	TRUE	7.00E-15
FVC	EYA4	cg17985029	rs6569884	T	G	0.157	0.027	0.343	4.23E-09	-0.001	0.003	0.664	0.009	34.496	TRUE	6.86E-09
FVC	EYA4	cg17985029	rs6915515	C	T	0.193	0.034	0.166	1.20E-08	-0.001	0.003	0.735	0.009	32.463	TRUE	1.81E-08
FVC	EYA4	cg17985029	rs764263	C	G	-0.188	0.028	0.291	2.45E-11	-0.004	0.003	0.178	0.012	44.553	TRUE	7.97E-11
FVC	EYA4	cg17985029	rs78088188	A	G	0.421	0.063	0.039	2.27E-11	-0.011	0.006	0.081	0.012	44.699	TRUE	9.51E-11
FVC	EYA4	cg17985029	rs79506917	G	A	0.347	0.053	0.056	4.03E-11	-0.008	0.005	0.071	0.012	43.574	TRUE	1.72E-10
FVC	EYA4	cg17985029	rs9493593	T	A	-0.277	0.030	0.227	3.05E-20	0.007	0.003	0.008	0.022	84.908	TRUE	6.49E-19
FVC	EYA4	cg17985029	rs9493650	G	T	0.218	0.030	0.213	2.56E-13	-0.006	0.003	0.050	0.014	53.495	TRUE	1.50E-12
FVC	EYA4	cg18714224	rs116854053	G	A	-0.618	0.107	0.025	8.92E-09	-0.001	0.008	0.880	0.009	33.044	TRUE	1.21E-08
FVC	EYA4	cg18714224	rs1414982	G	A	-0.211	0.026	0.412	2.02E-16	-0.003	0.002	0.206	0.018	67.549	TRUE	9.31E-16
FVC	EYA4	cg18714224	rs142408436	C	T	-0.474	0.076	0.024	5.51E-10	-0.019	0.007	0.003	0.010	38.466	TRUE	4.15E-09
FVC	EYA4	cg18714224	rs211630	A	C	-0.325	0.053	0.058	9.22E-10	-0.006	0.005	0.240	0.010	37.464	TRUE	2.40E-09
FVC	EYA4	cg18714224	rs2145351	A	G	-0.565	0.029	0.222	4.30E-83	-0.008	0.003	0.006	0.092	372.731	TRUE	1.44E-77
FVC	EYA4	cg18714224	rs2765784	C	G	0.166	0.026	0.351	3.46E-10	0.003	0.003	0.215	0.011	39.377	TRUE	9.61E-10
FVC	EYA4	cg18714224	rs56017741	C	T	0.206	0.030	0.241	8.16E-12	-0.001	0.003	0.861	0.012	46.703	TRUE	1.28E-11
FVC	EYA4	cg18817392	rs73544950	A	C	-0.368	0.055	0.057	2.42E-11	0.011	0.005	0.043	0.012	44.575	TRUE	1.21E-10
FVC	EYA4	cg20422212	rs35047285	T	A	-0.153	0.028	0.297	3.64E-08	-0.003	0.003	0.305	0.008	30.318	TRUE	7.73E-08
FVC	EYA4	cg21296676	rs9389054	C	T	0.224	0.025	0.443	8.72E-19	-0.009	0.002	1.49E-04	0.021	78.286	TRUE	3.88E-17
FVC	EYA4	cg21390624	rs1338009	C	T	0.171	0.025	0.442	1.71E-11	-0.009	0.002	1.39E-04	0.012	45.257	TRUE	2.56E-10
FVC	EYA4	cg24675448	rs146295755	T	C	0.699	0.079	0.026	1.22E-18	0.007	0.008	0.391	0.021	77.623	TRUE	4.88E-18
FVC	EYA4	cg24675448	rs17639928	G	A	0.455	0.075	0.032	1.05E-09	-0.014	0.007	0.044	0.010	37.216	TRUE	4.39E-09
FVC	EYA4	cg24675448	rs17819710	C	T	-0.239	0.041	0.109	4.27E-09	0.005	0.004	0.157	0.009	34.477	TRUE	1.21E-08
FVC	EYA4	cg24675448	rs184200748	T	A	0.682	0.076	0.022	3.53E-19	-0.008	0.008	0.283	0.021	80.074	TRUE	1.77E-18
FVC	EYA4	cg24675448	rs212816	A	T	0.216	0.028	0.264	1.07E-14	-0.002	0.003	0.511	0.016	59.731	TRUE	2.76E-14
FVC	EYA4	cg24675448	rs4513809	G	A	-0.315	0.057	0.056	3.09E-08	0.006	0.005	0.261	0.008	30.636	TRUE	6.87E-08
FVC	EYA4	cg24675448	rs540346	T	C	-0.247	0.026	0.424	1.05E-21	0.002	0.002	0.457	0.024	91.569	TRUE	4.81E-21
FVC	EYA4	cg24675448	rs6569884	T	G	0.173	0.027	0.343	8.74E-11	-0.001	0.003	0.664	0.011	42.062	TRUE	1.55E-10
FVC	EYA4	cg24675448	rs75920132	C	A	0.692	0.077	0.027	2.18E-19	0.006	0.008	0.444	0.021	81.027	TRUE	8.52E-19
FVC	EYA4	cg24675448	rs7756667	A	G	0.567	0.081	0.026	3.23E-12	0.010	0.008	0.200	0.013	48.520	TRUE	1.09E-11
FVC	EYA4	cg24675448	rs79388041	T	C	0.579	0.097	0.018	2.40E-09	-0.021	0.009	0.020	0.010	35.598	TRUE	1.17E-08
FVC	EYA4	cg24675448	rs79506917	G	A	0.453	0.052	0.056	4.86E-18	-0.008	0.005	0.071	0.020	74.896	TRUE	4.02E-17
FVC	EYA4	cg24675448	rs9385643	A	G	0.299	0.025	0.492	1.86E-32	-0.004	0.002	0.110	0.037	140.632	TRUE	5.34E-31
FVC	EYA4	cg24675448	rs9399054	A	G	0.824	0.029	0.219	3.19E-180	-0.005	0.003	0.076	0.181	819.002	TRUE	9.74E-165
FVC	EYA4	cg24675448	rs9402503	A	C	0.378	0.042	0.261	3.88E-19	-0.004	0.003	0.141	0.021	79.887	TRUE	2.73E-18
FVC	EYA4	cg24675448	rs9493417	G	A	0.153	0.025	0.471	1.18E-09	0.002	0.002	0.464	0.010	36.975	TRUE	2.31E-09
FVC	EYA4	cg25075347	rs12202432	A	G	0.376	0.056	0.053	2.22E-11	-0.004	0.005	0.456	0.012	44.744	TRUE	4.95E-11
FVC	EYA4	cg25075347	rs13212719	G	A	0.399	0.033	0.174	1.06E-33	0.008	0.003	0.017	0.038	146.317	TRUE	9.00E-32
FVC	EYA4	cg25075347	rs148326755	T	G	0.467	0.085	0.020	3.36E-08	0.002	0.008	0.782	0.008	30.471	TRUE	4.75E-08
FVC	EYA4	cg25075347	rs159408	T	A	0.397	0.026	0.390	1.79E-54	0.003	0.002	0.260	0.061	241.433	TRUE	3.90E-52
FVC	EYA4	cg25075347	rs17642884	G	A	-0.279	0.034	0.162	2.82E-16	0.001	0.003	0.878	0.018	66.892	TRUE	5.46E-16

FVC	EYA4	cg25075347	rs211621	G	A	0.497	0.048	0.077	8.63E-25	-0.011	0.005	0.020	0.028	105.631	TRUE	2.24E-23
FVC	EYA4	cg25075347	rs211623	T	G	0.938	0.019	0.466	<1E-200	-0.002	0.002	0.372	0.388	2349.486	TRUE	<1E-200
FVC	EYA4	cg25075347	rs271114	T	C	-0.200	0.026	0.431	1.80E-14	-0.002	0.002	0.337	0.016	58.709	TRUE	5.72E-14
FVC	EYA4	cg25075347	rs35762882	C	T	0.818	0.140	0.016	5.31E-09	0.001	0.008	0.919	0.009	34.053	TRUE	7.06E-09
FVC	EYA4	cg25075347	rs498079	G	C	-0.341	0.029	0.260	2.82E-31	0.004	0.003	0.176	0.035	135.240	TRUE	5.65E-30
FVC	EYA4	cg25075347	rs6569884	T	G	0.197	0.027	0.343	1.40E-13	-0.001	0.003	0.664	0.015	54.671	TRUE	2.90E-13
FVC	EYA4	cg25075347	rs78413605	C	G	0.284	0.030	0.227	5.67E-21	0.000	0.011	0.998	0.023	88.235	TRUE	1.25E-20
FVC	EYA4	cg25075347	rs78507367	T	A	-0.241	0.042	0.101	1.23E-08	0.002	0.004	0.681	0.009	32.415	TRUE	1.91E-08
FVC	EYA4	cg25075347	rs9389048	T	C	0.285	0.037	0.142	1.22E-14	-0.003	0.003	0.463	0.016	59.472	TRUE	3.34E-14
FVC	EYA4	cg25075347	rs9483586	A	G	-0.281	0.028	0.294	6.07E-24	-0.002	0.003	0.379	0.027	101.769	TRUE	3.76E-23
FVC	FADS2	cg00603274	rs115588270	G	C	-0.465	0.055	0.043	3.69E-17	-0.003	0.006	0.598	0.019	70.900	TRUE	1.00E-16
FVC	FADS2	cg00603274	rs137915577	A	G	-0.601	0.098	0.012	1.01E-09	0.000	0.010	0.995	0.010	37.276	TRUE	1.32E-09
FVC	FADS2	cg00603274	rs17185413	C	T	-0.202	0.028	0.218	9.06E-13	-0.001	0.003	0.668	0.014	51.010	TRUE	1.77E-12
FVC	FADS2	cg00603274	rs174455	G	A	-0.410	0.024	0.347	5.02E-66	0.003	0.003	0.221	0.074	294.411	TRUE	6.29E-63
FVC	FADS2	cg00603274	rs174472	G	A	-0.182	0.024	0.407	3.65E-14	0.011	0.002	5.10E-06	0.015	57.319	TRUE	1.43E-12
FVC	FADS2	cg00603274	rs198459	A	G	0.262	0.029	0.219	4.42E-20	-0.011	0.003	1.34E-04	0.022	84.176	TRUE	2.45E-18
FVC	FADS2	cg00603274	rs2521572	T	G	-0.364	0.056	0.046	1.05E-10	-0.001	0.006	0.803	0.011	41.700	TRUE	1.64E-10
FVC	FADS2	cg00603274	rs387137	C	G	-0.134	0.024	0.400	3.12E-08	0.000	0.002	0.967	0.008	30.616	TRUE	3.90E-08
FVC	FADS2	cg00603274	rs400075	T	C	-0.291	0.027	0.242	1.91E-26	0.004	0.003	0.168	0.030	113.182	TRUE	2.47E-25
FVC	FADS2	cg00603274	rs472031	A	G	0.284	0.039	0.089	1.56E-13	0.014	0.004	4.58E-04	0.015	54.461	TRUE	2.73E-12
FVC	FADS2	cg00603274	rs509360	A	G	0.335	0.025	0.336	9.87E-41	0.005	0.003	0.071	0.046	178.490	TRUE	9.91E-39
FVC	FADS2	cg00603274	rs66905042	C	A	0.196	0.033	0.135	3.44E-09	0.009	0.004	0.012	0.009	34.899	TRUE	1.78E-08
FVC	FADS2	cg00603274	rs7102974	T	C	-0.778	0.086	0.016	1.26E-19	0.004	0.009	0.681	0.022	82.105	TRUE	3.67E-19
FVC	FADS2	cg00603274	rs7928482	A	G	-0.582	0.092	0.014	2.52E-10	0.005	0.009	0.558	0.011	39.995	TRUE	4.76E-10
FVC	FADS2	cg00603274	rs968567	T	C	-0.978	0.026	0.176	<1E-200	0.001	0.003	0.700	0.278	1421.109	TRUE	8.84E-275
FVC	FADS2	cg01400685	rs1692116	A	G	0.190	0.033	0.138	7.28E-09	0.009	0.003	0.012	0.009	33.439	TRUE	3.76E-08
FVC	FADS2	cg01400685	rs17185413	C	T	-0.243	0.028	0.218	8.34E-18	-0.001	0.003	0.668	0.020	73.831	TRUE	2.20E-17
FVC	FADS2	cg01400685	rs174455	G	A	-0.403	0.024	0.347	6.62E-64	0.003	0.003	0.221	0.071	284.688	TRUE	6.04E-61
FVC	FADS2	cg01400685	rs198459	A	G	0.229	0.029	0.219	1.22E-15	-0.011	0.003	1.34E-04	0.017	64.005	TRUE	3.54E-14
FVC	FADS2	cg01400685	rs198475	T	C	-0.276	0.027	0.245	6.44E-24	0.004	0.003	0.136	0.027	101.650	TRUE	7.29E-23
FVC	FADS2	cg01400685	rs2521572	T	G	-0.374	0.056	0.046	2.91E-11	-0.001	0.006	0.803	0.012	44.212	TRUE	4.66E-11
FVC	FADS2	cg01400685	rs2727266	G	A	-0.277	0.048	0.068	5.54E-09	0.003	0.005	0.524	0.009	33.970	TRUE	9.99E-09
FVC	FADS2	cg01400685	rs387137	C	G	-0.146	0.024	0.400	1.33E-09	0.000	0.002	0.967	0.010	36.746	TRUE	1.75E-09
FVC	FADS2	cg01400685	rs509360	A	G	0.324	0.025	0.336	4.74E-38	0.005	0.003	0.071	0.043	166.216	TRUE	3.45E-36
FVC	FADS2	cg01400685	rs562172	T	C	0.305	0.039	0.091	3.46E-15	0.014	0.004	5.47E-04	0.016	61.951	TRUE	7.27E-14
FVC	FADS2	cg01400685	rs7102974	T	C	-0.741	0.086	0.016	5.90E-18	0.004	0.009	0.681	0.020	74.513	TRUE	1.54E-17
FVC	FADS2	cg01400685	rs7928482	A	G	-0.652	0.092	0.014	1.32E-12	0.005	0.009	0.558	0.013	50.266	TRUE	2.86E-12
FVC	FADS2	cg01400685	rs968567	T	C	-0.932	0.026	0.176	1.33E-277	0.001	0.003	0.700	0.255	1266.784	TRUE	7.61E-248
FVC	FADS2	cg06781209	rs115588270	G	C	-0.322	0.055	0.043	5.94E-09	-0.003	0.006	0.598	0.009	33.835	TRUE	9.99E-09
FVC	FADS2	cg06781209	rs12288004	A	G	0.241	0.044	0.082	3.89E-08	0.012	0.004	0.004	0.008	30.186	TRUE	2.16E-07
FVC	FADS2	cg06781209	rs137915577	A	G	-0.594	0.098	0.012	1.58E-09	0.000	0.010	0.995	0.010	36.416	TRUE	2.03E-09
FVC	FADS2	cg06781209	rs17185413	C	T	-0.274	0.028	0.218	3.31E-22	-0.001	0.003	0.668	0.025	93.857	TRUE	1.17E-21

FVC	FADS2	cg06781209	rs174455	G	A	-0.436	0.024	0.347	1.46E-74	0.003	0.003	0.221	0.083	333.574	TRUE	7.04E-71
FVC	FADS2	cg06781209	rs198443	T	G	-0.160	0.024	0.437	1.29E-11	0.012	0.002	1.36E-06	0.012	45.802	TRUE	3.77E-10
FVC	FADS2	cg06781209	rs198476	A	G	0.265	0.023	0.492	7.84E-30	-0.004	0.002	0.088	0.034	128.644	TRUE	1.86E-28
FVC	FADS2	cg06781209	rs2235093	A	G	0.234	0.024	0.492	3.88E-23	-0.005	0.002	0.023	0.026	98.098	TRUE	8.05E-22
FVC	FADS2	cg06781209	rs2521572	T	G	-0.387	0.056	0.046	6.72E-12	-0.001	0.006	0.803	0.013	47.083	TRUE	1.11E-11
FVC	FADS2	cg06781209	rs472031	A	G	0.305	0.039	0.089	2.60E-15	0.014	0.004	4.58E-04	0.017	62.517	TRUE	5.85E-14
FVC	FADS2	cg06781209	rs509360	A	G	0.334	0.025	0.336	2.80E-40	0.005	0.003	0.071	0.046	176.414	TRUE	2.66E-38
FVC	FADS2	cg06781209	rs66905042	C	A	0.198	0.033	0.135	2.46E-09	0.009	0.004	0.012	0.010	35.548	TRUE	1.30E-08
FVC	FADS2	cg06781209	rs7102974	T	C	-0.845	0.086	0.016	6.95E-23	0.004	0.009	0.681	0.026	96.942	TRUE	2.52E-22
FVC	FADS2	cg06781209	rs72926147	A	G	-0.469	0.078	0.023	2.27E-09	0.004	0.007	0.601	0.010	35.708	TRUE	3.92E-09
FVC	FADS2	cg06781209	rs7928482	A	G	-0.693	0.092	0.014	5.01E-14	0.005	0.009	0.558	0.015	56.696	TRUE	1.18E-13
FVC	FADS2	cg06781209	rs7943728	A	G	-1.015	0.026	0.170	<1E-200	0.002	0.003	0.421	0.292	1523.865	TRUE	8.42E-292
FVC	FADS2	cg07005513	rs174544	A	C	-0.203	0.025	0.297	6.01E-16	0.004	0.003	0.088	0.017	65.399	TRUE	3.82E-15
FVC	FADS2	cg07591205	rs174544	A	C	0.196	0.025	0.297	2.82E-15	0.004	0.003	0.088	0.017	62.352	TRUE	1.69E-14
FVC	FADS2	cg07999042	rs61897793	A	G	0.172	0.029	0.179	4.46E-09	0.001	0.003	0.684	0.009	34.395	TRUE	7.05E-09
FVC	FADS2	cg11250194	rs117702910	G	C	-0.352	0.055	0.041	2.04E-10	-0.003	0.006	0.585	0.011	40.407	TRUE	3.76E-10
FVC	FADS2	cg11250194	rs137915577	A	G	-0.582	0.098	0.012	3.25E-09	0.000	0.010	0.995	0.009	35.010	TRUE	4.13E-09
FVC	FADS2	cg11250194	rs17185413	C	T	-0.281	0.028	0.218	2.81E-23	-0.001	0.003	0.668	0.026	98.732	TRUE	1.07E-22
FVC	FADS2	cg11250194	rs174455	G	A	-0.498	0.024	0.347	1.48E-98	0.003	0.003	0.221	0.107	443.725	TRUE	5.72E-93
FVC	FADS2	cg11250194	rs198476	A	G	0.265	0.023	0.492	6.97E-30	-0.004	0.002	0.088	0.034	128.877	TRUE	1.66E-28
FVC	FADS2	cg11250194	rs2235093	A	G	0.196	0.024	0.492	9.40E-17	-0.005	0.002	0.023	0.018	69.055	TRUE	9.76E-16
FVC	FADS2	cg11250194	rs2521572	T	G	-0.433	0.056	0.046	1.41E-14	-0.001	0.006	0.803	0.016	59.188	TRUE	2.66E-14
FVC	FADS2	cg11250194	rs2524292	G	T	-0.338	0.048	0.067	1.33E-12	0.003	0.005	0.557	0.013	50.254	TRUE	2.90E-12
FVC	FADS2	cg11250194	rs2526678	A	G	-0.444	0.042	0.086	3.61E-26	0.006	0.004	0.137	0.029	111.919	TRUE	4.93E-25
FVC	FADS2	cg11250194	rs387137	C	G	-0.140	0.024	0.400	6.37E-09	0.000	0.002	0.967	0.009	33.701	TRUE	8.16E-09
FVC	FADS2	cg11250194	rs500850	C	G	0.323	0.039	0.091	6.28E-17	0.014	0.004	4.30E-04	0.019	69.849	TRUE	1.74E-15
FVC	FADS2	cg11250194	rs509360	A	G	0.398	0.025	0.336	4.40E-57	0.005	0.003	0.071	0.064	253.399	TRUE	3.95E-54
FVC	FADS2	cg11250194	rs61896141	C	A	-0.990	0.026	0.175	<1E-200	0.002	0.003	0.619	0.279	1430.085	TRUE	3.50E-276
FVC	FADS2	cg11250194	rs67140840	A	G	0.203	0.034	0.131	1.43E-09	0.008	0.004	0.036	0.010	36.602	TRUE	6.17E-09
FVC	FADS2	cg11250194	rs7102974	T	C	-0.909	0.086	0.016	2.68E-26	0.004	0.009	0.681	0.030	112.507	TRUE	1.25E-25
FVC	FADS2	cg11250194	rs7928482	A	G	-0.614	0.092	0.014	2.65E-11	0.005	0.009	0.558	0.012	44.394	TRUE	5.31E-11
FVC	FADS2	cg14911132	rs174455	G	A	-0.242	0.024	0.347	8.43E-24	0.003	0.003	0.221	0.027	101.117	TRUE	6.97E-23
FVC	FADS2	cg14911132	rs198459	A	G	0.177	0.028	0.219	5.33E-10	-0.011	0.003	1.34E-04	0.010	38.533	TRUE	6.46E-09
FVC	FADS2	cg14911132	rs400075	T	C	-0.200	0.027	0.242	2.65E-13	0.004	0.003	0.168	0.014	53.420	TRUE	1.06E-12
FVC	FADS2	cg14911132	rs509360	A	G	0.188	0.025	0.336	7.06E-14	0.005	0.003	0.071	0.015	56.020	TRUE	4.03E-13
FVC	FADS2	cg14911132	rs562172	T	C	0.250	0.039	0.091	9.42E-11	0.014	0.004	5.47E-04	0.011	41.916	TRUE	1.04E-09
FVC	FADS2	cg14911132	rs61897793	A	G	-0.520	0.029	0.179	6.09E-72	0.001	0.003	0.684	0.080	321.554	TRUE	4.99E-69
FVC	FADS2	cg16576620	rs968567	T	C	-0.201	0.029	0.176	7.18E-12	0.001	0.003	0.700	0.013	46.951	TRUE	1.31E-11
FVC	FADS2	cg19610905	rs11230815	G	C	-0.368	0.038	0.105	2.17E-22	0.003	0.004	0.422	0.025	94.692	TRUE	1.10E-21
FVC	FADS2	cg19610905	rs117110139	A	G	-0.675	0.084	0.035	1.08E-15	0.001	0.006	0.899	0.017	64.245	TRUE	1.98E-15
FVC	FADS2	cg19610905	rs117983270	C	T	-0.637	0.063	0.034	2.29E-24	0.003	0.006	0.686	0.027	103.701	TRUE	9.20E-24
FVC	FADS2	cg19610905	rs12799017	G	T	-0.180	0.025	0.329	4.23E-13	-0.003	0.003	0.308	0.014	52.505	TRUE	1.26E-12

FVC	FADS2	cg19610905	rs1692120	A	G	0.249	0.023	0.478	1.94E-26	-0.003	0.002	0.264	0.030	113.149	TRUE	1.81E-25
FVC	FADS2	cg19610905	rs174452	A	G	0.253	0.040	0.090	3.91E-10	-0.008	0.004	0.035	0.010	39.138	TRUE	1.80E-09
FVC	FADS2	cg19610905	rs174481	G	C	0.298	0.029	0.215	8.26E-25	-0.006	0.003	0.032	0.028	105.718	TRUE	1.92E-23
FVC	FADS2	cg19610905	rs174528	C	T	-0.879	0.019	0.353	<1E-200	0.005	0.002	0.060	0.357	2049.882	TRUE	<1E-200
FVC	FADS2	cg19610905	rs2727261	T	C	-0.335	0.039	0.106	1.81E-17	-0.001	0.004	0.906	0.019	72.308	TRUE	3.65E-17
FVC	FADS2	cg19610905	rs2736601	T	C	-0.325	0.048	0.067	1.07E-11	0.003	0.005	0.468	0.012	46.172	TRUE	2.39E-11
FVC	FADS2	cg19610905	rs508768	G	A	0.288	0.039	0.089	7.56E-14	0.014	0.004	4.47E-04	0.015	55.885	TRUE	1.36E-12
FVC	FADS2	cg19610905	rs695186	T	C	-0.325	0.027	0.250	7.92E-34	0.003	0.003	0.286	0.038	146.903	TRUE	1.47E-32
FVC	FADS2	cg19610905	rs740006	C	T	0.325	0.041	0.090	2.17E-15	0.007	0.004	0.103	0.017	62.868	TRUE	1.24E-14
FVC	FADS2	cg19610905	rs75766519	C	T	-0.612	0.055	0.041	8.06E-29	-0.003	0.006	0.584	0.032	124.020	TRUE	5.24E-28
FVC	FADS2	cg21709803	rs11230749	T	C	-0.225	0.041	0.195	3.80E-08	0.001	0.003	0.820	0.008	30.232	TRUE	5.28E-08
FVC	FADS2	cg21709803	rs117702910	G	C	-0.306	0.055	0.041	3.42E-08	-0.003	0.006	0.585	0.008	30.439	TRUE	5.56E-08
FVC	FADS2	cg21709803	rs17185413	C	T	-0.237	0.028	0.218	5.02E-17	-0.001	0.003	0.668	0.019	70.292	TRUE	1.26E-16
FVC	FADS2	cg21709803	rs174455	G	A	-0.384	0.024	0.347	9.82E-58	0.003	0.003	0.221	0.065	256.387	TRUE	3.71E-55
FVC	FADS2	cg21709803	rs174472	G	A	-0.162	0.024	0.407	1.63E-11	0.011	0.002	5.10E-06	0.012	45.350	TRUE	4.00E-10
FVC	FADS2	cg21709803	rs198459	A	G	0.234	0.029	0.219	2.44E-16	-0.011	0.003	1.34E-04	0.018	67.171	TRUE	7.87E-15
FVC	FADS2	cg21709803	rs198475	T	C	-0.319	0.027	0.245	1.27E-31	0.004	0.003	0.136	0.036	136.824	TRUE	3.10E-30
FVC	FADS2	cg21709803	rs472031	A	G	0.299	0.039	0.089	8.19E-15	0.014	0.004	4.58E-04	0.016	60.256	TRUE	1.72E-13
FVC	FADS2	cg21709803	rs509360	A	G	0.321	0.025	0.336	2.38E-37	0.005	0.003	0.071	0.042	163.015	TRUE	1.59E-35
FVC	FADS2	cg21709803	rs7102974	T	C	-0.750	0.086	0.016	2.60E-18	0.004	0.009	0.681	0.020	76.128	TRUE	6.96E-18
FVC	FADS2	cg21709803	rs7928482	A	G	-0.591	0.092	0.014	1.41E-10	0.005	0.009	0.558	0.011	41.130	TRUE	2.70E-10
FVC	FADS2	cg21709803	rs968567	T	C	-0.958	0.026	0.176	1.37E-291	0.001	0.003	0.700	0.265	1331.105	TRUE	3.86E-259
FVC	FADS2	cg25324164	rs174455	G	A	-0.331	0.024	0.347	4.50E-43	0.003	0.003	0.221	0.049	189.205	TRUE	2.64E-41
FVC	FADS2	cg25324164	rs1800008	T	C	-0.249	0.028	0.215	1.98E-18	0.000	0.003	0.898	0.020	76.666	TRUE	4.28E-18
FVC	FADS2	cg25324164	rs2235093	A	G	0.181	0.024	0.492	1.60E-14	-0.005	0.002	0.023	0.016	58.938	TRUE	1.31E-13
FVC	FADS2	cg25324164	rs2521572	T	G	-0.332	0.056	0.046	3.74E-09	-0.001	0.006	0.803	0.009	34.733	TRUE	5.43E-09
FVC	FADS2	cg25324164	rs2736602	C	A	0.138	0.025	0.351	1.69E-08	0.014	0.003	7.66E-08	0.009	31.807	TRUE	3.61E-07
FVC	FADS2	cg25324164	rs400075	T	C	-0.272	0.027	0.242	3.01E-23	0.004	0.003	0.168	0.026	98.600	TRUE	2.88E-22
FVC	FADS2	cg25324164	rs500850	C	G	0.279	0.039	0.091	5.24E-13	0.014	0.004	4.30E-04	0.014	52.084	TRUE	8.35E-12
FVC	FADS2	cg25324164	rs509360	A	G	0.260	0.025	0.336	5.05E-25	0.005	0.003	0.071	0.028	106.694	TRUE	8.68E-24
FVC	FADS2	cg25324164	rs7102974	T	C	-0.802	0.086	0.016	8.33E-21	0.004	0.009	0.681	0.023	87.475	TRUE	2.62E-20
FVC	FADS2	cg25324164	rs72926147	A	G	-0.447	0.078	0.023	1.18E-08	0.004	0.007	0.601	0.009	32.495	TRUE	1.97E-08
FVC	FADS2	cg25324164	rs7928482	A	G	-0.645	0.092	0.014	2.36E-12	0.005	0.009	0.558	0.013	49.131	TRUE	5.03E-12
FVC	FADS2	cg25324164	rs968567	T	C	-0.970	0.026	0.176	9.68E-302	0.001	0.003	0.700	0.275	1400.791	TRUE	2.89E-271
FVC	FAIM	cg02712878	rs11924443	T	G	-0.489	0.023	0.462	6.60E-99	-0.008	0.002	6.21E-04	0.107	445.342	TRUE	1.92E-91
FVC	FAIM	cg02712878	rs40005	G	A	-0.183	0.029	0.215	1.52E-10	-0.014	0.003	1.47E-06	0.011	40.980	TRUE	3.67E-09
FVC	FAIM	cg02712878	rs62280707	A	G	-0.293	0.044	0.086	2.67E-11	0.000	0.005	0.937	0.012	44.379	TRUE	3.87E-11
FVC	FAIM	cg02712878	rs6784503	T	A	0.441	0.057	0.043	1.48E-14	0.017	0.006	0.002	0.016	59.095	TRUE	2.16E-13
FVC	FAIM	cg06309968	rs7650967	G	A	-0.166	0.024	0.464	2.99E-12	-0.008	0.002	3.63E-04	0.013	48.672	TRUE	4.30E-11
FVC	FAIM	cg17462391	rs1585188	C	T	-0.275	0.023	0.444	3.28E-32	-0.011	0.002	1.40E-06	0.036	139.512	TRUE	2.95E-29
FVC	FAIM	cg17462391	rs9819273	C	G	-0.243	0.043	0.084	1.89E-08	-0.009	0.004	0.037	0.008	31.586	TRUE	7.23E-08
FVC	FASTK	cg01139039	rs6464119	T	C	0.169	0.028	0.226	8.98E-10	0.001	0.003	0.771	0.010	37.514	TRUE	1.38E-09

FVC	FASTK	cg03930004	rs9097	T	G	0.195	0.023	0.485	8.56E-17	-0.007	0.002	0.003	0.018	69.238	TRUE	1.55E-15
FVC	FASTK	cg06807926	rs11975690	G	A	0.150	0.024	0.423	2.71E-10	-0.005	0.002	0.030	0.011	39.849	TRUE	1.33E-09
FVC	FASTK	cg06807926	rs34104727	A	G	0.426	0.029	0.196	7.33E-50	-0.011	0.003	4.94E-04	0.056	220.299	TRUE	2.12E-46
FVC	FASTK	cg06807926	rs4725388	A	G	-0.270	0.026	0.288	2.91E-25	-0.002	0.003	0.479	0.028	107.784	TRUE	1.66E-24
FVC	FASTK	cg10702041	rs2303942	A	G	0.225	0.023	0.495	3.16E-22	-0.006	0.002	0.012	0.025	93.949	TRUE	7.44E-21
FVC	FASTK	cg14323210	rs1835428	A	G	0.151	0.028	0.228	4.39E-08	0.001	0.003	0.831	0.008	29.954	TRUE	5.98E-08
FVC	FASTK	cg18068487	rs9097	T	G	-0.150	0.023	0.485	1.78E-10	-0.007	0.002	0.003	0.011	40.672	TRUE	1.42E-09
FVC	FBXL2	cg00456685	rs111257877	A	G	-1.530	0.033	0.083	<1E-200	-0.010	0.004	0.016	0.363	2103.743	TRUE	<1E-200
FVC	FBXL2	cg00456685	rs111286045	A	T	-0.687	0.050	0.054	1.72E-42	-0.014	0.005	0.010	0.048	186.541	TRUE	5.55E-40
FVC	FBXL2	cg00456685	rs111755095	T	C	-0.394	0.061	0.038	1.19E-10	0.001	0.006	0.927	0.011	41.455	TRUE	1.68E-10
FVC	FBXL2	cg00456685	rs114488504	G	C	-0.576	0.098	0.013	4.75E-09	-0.013	0.009	0.146	0.009	34.269	TRUE	1.37E-08
FVC	FBXL2	cg00456685	rs28733500	T	C	-0.145	0.024	0.361	1.84E-09	-0.004	0.002	0.070	0.010	36.113	TRUE	6.80E-09
FVC	FBXL2	cg00456685	rs34687248	A	G	-0.241	0.025	0.349	9.17E-23	-0.004	0.002	0.152	0.025	96.394	TRUE	8.80E-22
FVC	FBXL2	cg00456685	rs34840292	T	C	-0.224	0.032	0.161	4.05E-12	-0.001	0.003	0.881	0.013	48.073	TRUE	6.38E-12
FVC	FBXL2	cg00456685	rs4355234	G	A	-0.279	0.032	0.167	1.23E-18	-0.007	0.003	0.040	0.021	77.605	TRUE	1.38E-17
FVC	FBXL2	cg00456685	rs4678868	A	G	0.170	0.025	0.349	5.11E-12	-0.009	0.003	3.34E-04	0.013	47.618	TRUE	7.20E-11
FVC	FBXL2	cg00456685	rs6781846	G	T	-0.341	0.025	0.337	9.14E-43	0.004	0.003	0.081	0.048	187.796	TRUE	1.01E-40
FVC	FBXL2	cg00456685	rs73059624	G	T	-0.665	0.095	0.041	2.94E-12	-0.008	0.005	0.120	0.013	48.700	TRUE	1.18E-11
FVC	FBXL2	cg00456685	rs9819067	C	A	0.202	0.025	0.326	4.36E-16	0.001	0.003	0.610	0.018	66.031	TRUE	1.11E-15
FVC	FBXL2	cg00456685	rs9871600	T	C	-0.377	0.025	0.303	1.39E-50	-0.003	0.003	0.243	0.057	223.609	TRUE	1.92E-48
FVC	FBXL2	cg03418847	rs12486192	T	C	-0.291	0.027	0.267	1.51E-27	-0.001	0.003	0.722	0.031	118.204	TRUE	7.29E-27
FVC	FBXL2	cg03418847	rs72859977	T	C	-0.245	0.042	0.082	4.67E-09	-0.012	0.004	0.006	0.009	34.304	TRUE	2.73E-08
FVC	FBXL2	cg03418847	rs75701377	A	C	-0.272	0.039	0.094	2.01E-12	-0.005	0.004	0.220	0.013	49.445	TRUE	6.69E-12
FVC	FBXL2	cg19241168	rs113606797	T	G	-0.799	0.092	0.017	5.58E-18	0.019	0.008	0.017	0.020	74.622	TRUE	7.30E-17
FVC	FEM1B	cg09796457	rs11071974	T	C	0.128	0.024	0.495	4.93E-08	-0.009	0.002	1.88E-04	0.008	29.729	TRUE	4.25E-07
FVC	FEM1B	cg09796457	rs68069953	G	C	-0.293	0.025	0.349	1.83E-32	0.009	0.003	2.79E-04	0.037	140.667	TRUE	4.90E-30
FVC	FER	cg11403831	rs79409628	T	G	-0.363	0.043	0.079	5.51E-17	0.022	0.004	2.67E-07	0.019	70.107	TRUE	5.69E-15
FVC	FER	cg16174681	rs6594336	T	C	-0.150	0.024	0.453	2.03E-10	-0.005	0.002	0.030	0.011	40.416	TRUE	1.01E-09
FVC	FER	cg16174681	rs79409628	T	G	0.513	0.044	0.079	1.15E-31	0.022	0.004	2.67E-07	0.036	137.023	TRUE	1.52E-28
FVC	FER	cg16286925	rs11950165	A	T	-0.178	0.027	0.251	7.21E-11	-0.001	0.003	0.646	0.011	42.438	TRUE	1.32E-10
FVC	FER	cg17317165	rs143093286	A	G	-0.242	0.027	0.228	1.41E-18	-0.001	0.003	0.755	0.020	77.344	TRUE	3.56E-18
FVC	FER	cg17317165	rs6869357	C	T	-0.142	0.024	0.394	5.06E-09	0.002	0.002	0.373	0.009	34.146	TRUE	1.05E-08
FVC	FER	cg19526267	rs10063167	A	T	-0.137	0.024	0.373	1.28E-08	0.005	0.002	0.038	0.009	32.339	TRUE	4.97E-08
FVC	FER	cg19526267	rs181331526	G	A	0.547	0.056	0.043	2.18E-22	-0.004	0.006	0.421	0.025	94.680	TRUE	1.10E-21
FVC	FER	cg19730600	rs10059972	A	G	0.402	0.073	0.031	3.72E-08	0.003	0.006	0.635	0.008	30.273	TRUE	5.86E-08
FVC	FER	cg19730600	rs115004203	A	G	0.440	0.068	0.030	1.27E-10	0.006	0.007	0.388	0.011	41.332	TRUE	2.88E-10
FVC	FER	cg19730600	rs12152902	A	G	0.652	0.029	0.205	1.12E-115	-0.003	0.003	0.368	0.124	522.366	TRUE	8.88E-109
FVC	FER	cg19730600	rs145640892	T	C	0.562	0.076	0.026	1.11E-13	-0.018	0.008	0.026	0.015	55.135	TRUE	8.12E-13
FVC	FER	cg19730600	rs2940516	C	T	-0.151	0.024	0.363	2.93E-10	-0.003	0.003	0.170	0.011	39.699	TRUE	8.81E-10
FVC	FER	cg19730600	rs35863505	T	G	0.261	0.027	0.252	1.17E-22	-0.006	0.003	0.031	0.025	95.913	TRUE	2.17E-21
FVC	FER	cg19730600	rs6861439	A	G	0.136	0.023	0.424	7.09E-09	0.001	0.002	0.704	0.009	33.493	TRUE	1.09E-08
FVC	FER	cg19730600	rs6885260	T	G	-0.172	0.030	0.178	1.55E-08	0.008	0.003	0.007	0.009	31.976	TRUE	8.11E-08

FVC	FER	cg19730600	rs75390688	A	C	0.350	0.055	0.052	1.66E-10	-0.002	0.005	0.759	0.011	40.808	TRUE	2.68E-10
FVC	FER	cg19730600	rs7711795	G	A	-0.199	0.026	0.295	1.86E-14	0.006	0.003	0.031	0.016	58.643	TRUE	1.37E-13
FVC	FER	cg20423064	rs10074335	G	A	-0.240	0.044	0.078	3.54E-08	-0.005	0.004	0.280	0.008	30.369	TRUE	7.66E-08
FVC	FER	cg20423064	rs12519202	T	C	-0.221	0.035	0.119	3.41E-10	0.008	0.004	0.022	0.011	39.400	TRUE	1.79E-09
FVC	FER	cg20423064	rs2081126	C	T	-0.145	0.025	0.351	3.13E-09	0.005	0.003	0.034	0.009	35.085	TRUE	1.29E-08
FVC	FER	cg20423064	rs75169262	A	G	-0.339	0.057	0.043	2.71E-09	-0.007	0.006	0.236	0.009	35.365	TRUE	6.79E-09
FVC	FER	cg20423064	rs7734520	T	G	-0.727	0.051	0.050	5.83E-47	-0.002	0.005	0.722	0.053	207.009	TRUE	1.74E-45
FVC	FEZ1	cg01460481	rs2321158	G	A	-0.167	0.023	0.472	8.75E-13	-0.002	0.002	0.438	0.014	51.079	TRUE	2.14E-12
FVC	FEZ1	cg01460481	rs2845849	T	C	-0.205	0.028	0.230	1.48E-13	-0.002	0.003	0.414	0.015	54.564	TRUE	4.01E-13
FVC	FEZ1	cg01460481	rs3862619	T	G	0.253	0.024	0.404	6.24E-27	0.006	0.002	0.019	0.030	115.397	TRUE	2.15E-25
FVC	FEZ1	cg01460481	rs511246	T	C	0.643	0.107	0.014	1.82E-09	0.011	0.010	0.293	0.010	36.138	TRUE	4.28E-09
FVC	FEZ1	cg01460481	rs546039	C	T	0.183	0.024	0.395	1.88E-14	0.004	0.002	0.117	0.016	58.626	TRUE	9.40E-14
FVC	FEZ1	cg01460481	rs666160	G	A	0.838	0.035	0.118	1.02E-123	0.017	0.004	2.09E-06	0.131	559.312	TRUE	2.24E-112
FVC	FEZ1	cg01460481	rs77348105	C	T	0.754	0.072	0.029	8.91E-26	0.028	0.008	2.79E-04	0.029	110.128	TRUE	9.57E-24
FVC	FEZ1	cg05390307	rs11220103	T	C	-0.177	0.029	0.192	1.62E-09	-0.004	0.003	0.241	0.010	36.369	TRUE	4.08E-09
FVC	FEZ1	cg06302541	rs551131	T	C	-0.238	0.043	0.084	3.38E-08	0.001	0.004	0.741	0.008	30.460	TRUE	4.94E-08
FVC	FEZ1	cg12906303	rs10893425	C	T	-0.158	0.023	0.495	1.07E-11	-0.005	0.002	0.024	0.012	46.167	TRUE	6.27E-11
FVC	FEZ1	cg12906303	rs13424	C	A	0.144	0.024	0.326	3.69E-09	0.006	0.003	0.021	0.009	34.761	TRUE	1.69E-08
FVC	FEZ1	cg12906303	rs1522761	C	A	-0.155	0.023	0.466	1.69E-11	-0.007	0.002	0.002	0.012	45.274	TRUE	1.59E-10
FVC	FEZ1	cg12906303	rs1941367	T	C	0.203	0.024	0.355	1.52E-17	0.001	0.003	0.644	0.019	72.649	TRUE	3.98E-17
FVC	FEZ1	cg12906303	rs2321158	G	A	-0.207	0.023	0.472	6.89E-19	-0.002	0.002	0.438	0.021	78.752	TRUE	2.56E-18
FVC	FEZ1	cg12906303	rs2513090	A	G	0.808	0.035	0.124	3.71E-118	0.018	0.004	6.28E-07	0.126	533.761	TRUE	3.16E-107
FVC	FEZ1	cg12906303	rs511246	T	C	0.657	0.107	0.014	7.30E-10	0.011	0.010	0.293	0.010	37.919	TRUE	1.77E-09
FVC	FEZ1	cg12906303	rs77348105	C	T	0.711	0.072	0.029	3.50E-23	0.028	0.008	2.79E-04	0.026	98.300	TRUE	2.62E-21
FVC	FEZ1	cg15184602	rs12421948	T	C	-0.201	0.034	0.139	3.79E-09	-0.004	0.003	0.248	0.009	34.709	TRUE	9.39E-09
FVC	FEZ1	cg15184602	rs1284352	C	A	0.146	0.024	0.356	1.83E-09	-0.006	0.003	0.013	0.010	36.125	TRUE	9.75E-09
FVC	FEZ1	cg15184602	rs2849222	C	T	0.208	0.026	0.291	3.58E-16	0.004	0.003	0.095	0.018	66.416	TRUE	2.28E-15
FVC	FEZ1	cg18436735	rs2845849	T	C	-0.176	0.028	0.230	1.98E-10	-0.002	0.003	0.414	0.011	40.464	TRUE	4.35E-10
FVC	FEZ1	cg18436735	rs3862619	T	G	0.178	0.024	0.404	4.42E-14	0.006	0.002	0.019	0.015	56.943	TRUE	3.65E-13
FVC	FEZ1	cg18436735	rs669052	C	A	0.636	0.036	0.121	1.28E-70	0.018	0.004	1.22E-06	0.079	315.492	TRUE	1.35E-64
FVC	FEZ1	cg18436735	rs77348105	C	T	0.575	0.072	0.029	1.38E-15	0.028	0.008	2.79E-04	0.017	63.768	TRUE	3.52E-14
FVC	FEZ1	cg19433435	rs2155388	A	G	0.166	0.026	0.284	1.40E-10	0.005	0.003	0.088	0.011	41.143	TRUE	5.42E-10
FVC	FEZ1	cg19792194	rs601034	C	T	-0.455	0.042	0.093	1.05E-27	0.000	0.004	0.923	0.031	118.935	TRUE	3.93E-27
FVC	FEZ1	cg23366166	rs7108311	A	G	-0.172	0.031	0.168	3.16E-08	-0.003	0.003	0.332	0.008	30.592	TRUE	6.49E-08
FVC	FEZ2	cg01109574	rs13391939	A	G	0.171	0.025	0.423	3.24E-12	-0.004	0.002	0.139	0.013	48.512	TRUE	1.26E-11
FVC	FEZ2	cg01109574	rs13405239	G	T	-0.313	0.024	0.381	7.22E-39	0.010	0.002	9.80E-05	0.044	169.956	TRUE	7.56E-36
FVC	FEZ2	cg01109574	rs848505	C	T	-0.141	0.026	0.301	3.48E-08	0.002	0.003	0.414	0.008	30.404	TRUE	6.55E-08
FVC	FEZ2	cg01109574	rs848621	A	G	0.217	0.026	0.318	2.09E-17	0.000	0.003	0.929	0.019	72.024	TRUE	4.04E-17
FVC	FEZ2	cg01206211	rs10192768	T	C	0.285	0.050	0.166	1.10E-08	0.005	0.003	0.152	0.009	32.644	TRUE	2.96E-08
FVC	FEZ2	cg01206211	rs115696505	T	G	-0.397	0.066	0.031	1.45E-09	0.008	0.007	0.246	0.010	36.578	TRUE	3.65E-09
FVC	FEZ2	cg01206211	rs2287104	T	C	-0.708	0.024	0.272	1.17E-191	0.003	0.003	0.313	0.191	871.580	TRUE	1.84E-175
FVC	FEZ2	cg01206211	rs2372707	T	C	-0.246	0.026	0.294	1.55E-21	0.002	0.003	0.480	0.024	90.800	TRUE	6.64E-21

FVC	FEZ2	cg01206211	rs3770946	A	G	-0.174	0.025	0.335	3.02E-12	0.009	0.003	1.91E-04	0.013	48.648	TRUE	4.88E-11
FVC	FEZ2	cg01206211	rs4670563	G	A	-0.223	0.024	0.350	9.10E-20	0.010	0.003	1.13E-04	0.022	82.752	TRUE	4.85E-18
FVC	FEZ2	cg01206211	rs62136183	G	A	0.439	0.074	0.024	3.29E-09	-0.002	0.008	0.779	0.009	34.985	TRUE	4.89E-09
FVC	FEZ2	cg01206211	rs6733328	A	G	-0.156	0.026	0.313	2.03E-09	0.003	0.003	0.261	0.010	35.924	TRUE	4.95E-09
FVC	FEZ2	cg01206211	rs848548	A	C	0.211	0.026	0.283	3.98E-16	-0.008	0.003	0.002	0.018	66.209	TRUE	7.46E-15
FVC	FEZ2	cg01206211	rs848617	C	G	0.298	0.025	0.313	5.13E-33	-0.010	0.003	3.54E-05	0.037	143.192	TRUE	2.64E-30
FVC	FEZ2	cg04352803	rs848610	T	A	-0.189	0.024	0.371	5.25E-15	0.008	0.002	7.78E-04	0.016	61.131	TRUE	1.03E-13
FVC	FEZ2	cg06634576	rs10192768	T	C	0.425	0.050	0.166	8.80E-18	0.005	0.003	0.152	0.020	73.725	TRUE	5.16E-17
FVC	FEZ2	cg06634576	rs11124528	C	A	-0.187	0.024	0.411	1.31E-14	-0.001	0.002	0.643	0.016	59.339	TRUE	2.90E-14
FVC	FEZ2	cg06634576	rs113399069	C	A	-0.875	0.149	0.016	4.08E-09	0.005	0.008	0.555	0.009	34.565	TRUE	7.21E-09
FVC	FEZ2	cg06634576	rs114378373	G	A	-0.647	0.056	0.048	2.96E-31	-0.010	0.006	0.077	0.035	135.142	TRUE	9.11E-30
FVC	FEZ2	cg06634576	rs115696505	T	G	0.467	0.066	0.031	1.16E-12	0.008	0.007	0.246	0.013	50.527	TRUE	3.70E-12
FVC	FEZ2	cg06634576	rs144029257	C	G	-0.764	0.075	0.024	1.83E-24	-0.016	0.007	0.022	0.027	104.140	TRUE	4.51E-23
FVC	FEZ2	cg06634576	rs145219350	G	A	-0.847	0.092	0.017	2.39E-20	0.009	0.010	0.383	0.023	85.392	TRUE	1.10E-19
FVC	FEZ2	cg06634576	rs1465335	A	G	-0.172	0.024	0.423	3.51E-13	-0.005	0.002	0.030	0.014	52.874	TRUE	2.27E-12
FVC	FEZ2	cg06634576	rs2888369	A	T	0.384	0.024	0.339	2.23E-55	0.010	0.003	8.82E-05	0.062	245.589	TRUE	3.05E-51
FVC	FEZ2	cg06634576	rs3770900	G	T	-0.313	0.024	0.416	1.53E-39	-0.013	0.002	5.21E-08	0.045	173.038	TRUE	9.37E-36
FVC	FEZ2	cg06634576	rs4670148	T	C	0.507	0.025	0.317	9.19E-93	0.002	0.003	0.540	0.101	417.129	TRUE	3.72E-88
FVC	FEZ2	cg06634576	rs4670560	T	C	-0.595	0.027	0.226	1.73E-104	-0.007	0.003	0.015	0.113	470.975	TRUE	2.49E-97
FVC	FEZ2	cg06634576	rs62136186	G	A	0.401	0.072	0.025	1.99E-08	-0.003	0.007	0.658	0.008	31.485	TRUE	3.12E-08
FVC	FEZ2	cg06634576	rs6544015	A	T	-0.527	0.027	0.240	2.77E-84	-0.003	0.003	0.249	0.093	378.198	TRUE	6.39E-80
FVC	FEZ2	cg06634576	rs6714112	A	C	-0.287	0.033	0.149	1.01E-18	-0.003	0.003	0.430	0.021	78.006	TRUE	3.83E-18
FVC	FEZ2	cg06634576	rs711245	A	G	-0.962	0.021	0.321	<1E-200	-0.010	0.003	8.21E-05	0.367	2148.898	TRUE	<1E-200
FVC	FEZ2	cg06634576	rs711246	G	C	-0.853	0.156	0.010	4.92E-08	-0.011	0.015	0.441	0.008	29.731	TRUE	8.99E-08
FVC	FEZ2	cg06634576	rs72785167	T	C	-0.246	0.044	0.075	2.98E-08	-0.003	0.004	0.573	0.008	30.703	TRUE	4.96E-08
FVC	FEZ2	cg06634576	rs72795287	T	C	-0.769	0.092	0.019	4.59E-17	-0.002	0.009	0.823	0.019	70.467	TRUE	9.82E-17
FVC	FEZ2	cg06634576	rs76259623	C	T	0.384	0.041	0.080	8.11E-21	-0.008	0.004	0.087	0.023	87.528	TRUE	8.09E-20
FVC	FEZ2	cg06634576	rs848504	T	C	0.157	0.024	0.418	4.28E-11	-0.003	0.002	0.178	0.012	43.457	TRUE	1.36E-10
FVC	FEZ2	cg06634576	rs997602	G	A	-0.436	0.038	0.107	9.02E-30	-0.008	0.004	0.031	0.034	128.365	TRUE	3.61E-28
FVC	FEZ2	cg07673538	rs1544655	G	A	0.331	0.027	0.271	5.55E-35	0.003	0.003	0.313	0.040	152.182	TRUE	1.06E-33
FVC	FEZ2	cg07673538	rs4670153	C	G	-0.203	0.024	0.341	1.01E-16	0.007	0.002	0.008	0.018	68.910	TRUE	1.49E-15
FVC	FEZ2	cg07673538	rs7602835	A	G	-0.147	0.024	0.409	9.61E-10	-0.002	0.002	0.500	0.010	37.382	TRUE	1.84E-09
FVC	FEZ2	cg07673538	rs76525014	A	G	0.391	0.071	0.028	3.84E-08	-0.001	0.008	0.862	0.008	30.211	TRUE	5.14E-08
FVC	FEZ2	cg09467607	rs1017153	G	T	0.291	0.027	0.230	2.67E-26	-0.008	0.003	0.006	0.030	112.513	TRUE	1.33E-24
FVC	FEZ2	cg09467607	rs10191126	G	A	0.144	0.025	0.323	8.52E-09	-0.003	0.003	0.295	0.009	33.135	TRUE	1.90E-08
FVC	FEZ2	cg09467607	rs10490666	T	A	-0.147	0.026	0.306	2.17E-08	0.001	0.003	0.651	0.008	31.317	TRUE	3.39E-08
FVC	FEZ2	cg09467607	rs111453351	A	T	-0.411	0.059	0.037	2.66E-12	0.012	0.006	0.064	0.013	48.899	TRUE	1.30E-11
FVC	FEZ2	cg09467607	rs111600359	C	T	-0.607	0.025	0.296	2.86E-131	0.002	0.003	0.380	0.138	594.011	TRUE	7.96E-123
FVC	FEZ2	cg09467607	rs11886145	G	C	0.760	0.022	0.329	2.28E-260	-0.012	0.003	2.38E-06	0.243	1187.524	TRUE	5.17E-228
FVC	FEZ2	cg09467607	rs144029257	C	G	0.437	0.075	0.024	6.13E-09	-0.016	0.007	0.022	0.009	33.775	TRUE	2.73E-08
FVC	FEZ2	cg09467607	rs145219350	G	A	0.538	0.092	0.017	4.96E-09	0.009	0.010	0.383	0.009	34.188	TRUE	1.02E-08
FVC	FEZ2	cg09467607	rs17480531	T	G	0.419	0.060	0.041	3.33E-12	-0.014	0.006	0.013	0.013	48.460	TRUE	2.43E-11

FVC	FEZ2	cg09467607	rs1861392	G	A	0.287	0.033	0.149	2.00E-18	-0.001	0.003	0.769	0.020	76.646	TRUE	4.95E-18
FVC	FEZ2	cg09467607	rs2110881	C	T	-0.315	0.040	0.102	1.65E-15	0.000	0.004	0.932	0.017	63.405	TRUE	2.90E-15
FVC	FEZ2	cg09467607	rs2372694	G	A	0.294	0.026	0.299	3.24E-30	0.000	0.003	0.881	0.034	130.398	TRUE	1.56E-29
FVC	FEZ2	cg09467607	rs3732075	A	G	0.202	0.027	0.250	5.83E-14	-0.002	0.003	0.441	0.015	56.399	TRUE	1.57E-13
FVC	FEZ2	cg09467607	rs3770946	A	G	-0.283	0.025	0.335	3.82E-30	0.009	0.003	1.91E-04	0.034	130.070	TRUE	7.99E-28
FVC	FEZ2	cg09467607	rs75597083	A	G	0.363	0.043	0.082	4.17E-17	-0.007	0.004	0.075	0.019	70.657	TRUE	3.06E-16
FVC	FEZ2	cg09467607	rs79688789	C	G	0.821	0.095	0.015	4.93E-18	-0.011	0.008	0.192	0.020	74.870	TRUE	2.73E-17
FVC	FEZ2	cg09467607	rs848548	A	C	0.343	0.026	0.283	1.09E-40	-0.008	0.003	0.002	0.046	178.290	TRUE	5.34E-38
FVC	FEZ2	cg09467607	rs882842	C	A	0.425	0.070	0.030	1.35E-09	-0.018	0.007	0.012	0.010	36.721	TRUE	7.44E-09
FVC	FEZ2	cg09467607	rs884216	T	A	-0.445	0.029	0.215	2.08E-54	0.003	0.003	0.383	0.061	241.135	TRUE	3.20E-52
FVC	FEZ2	cg09467607	rs997602	G	A	0.243	0.039	0.107	3.52E-10	-0.008	0.004	0.031	0.011	39.341	TRUE	1.69E-09
FVC	FEZ2	cg10546459	rs10084382	T	C	0.307	0.026	0.312	2.81E-33	0.012	0.003	7.26E-07	0.038	144.387	TRUE	3.80E-30
FVC	FEZ2	cg10546459	rs10191126	G	A	0.284	0.025	0.323	3.05E-30	-0.003	0.003	0.295	0.034	130.518	TRUE	3.85E-29
FVC	FEZ2	cg10546459	rs10490666	T	A	-0.376	0.026	0.306	7.23E-48	0.001	0.003	0.651	0.054	211.163	TRUE	2.66E-46
FVC	FEZ2	cg10546459	rs11124524	G	C	-0.689	0.120	0.025	9.75E-09	-0.009	0.008	0.254	0.009	32.873	TRUE	2.29E-08
FVC	FEZ2	cg10546459	rs112164165	G	T	0.513	0.092	0.018	2.66E-08	-0.023	0.008	0.005	0.008	30.924	TRUE	1.43E-07
FVC	FEZ2	cg10546459	rs114882057	G	A	-0.488	0.079	0.022	7.42E-10	-0.010	0.007	0.155	0.010	37.885	TRUE	2.24E-09
FVC	FEZ2	cg10546459	rs115545989	T	G	0.528	0.032	0.153	2.41E-59	-0.007	0.003	0.027	0.067	263.770	TRUE	5.61E-56
FVC	FEZ2	cg10546459	rs115696505	T	G	-0.656	0.065	0.031	9.73E-24	0.008	0.007	0.246	0.027	100.833	TRUE	7.65E-23
FVC	FEZ2	cg10546459	rs11678226	C	T	-0.916	0.021	0.303	<1E-200	0.002	0.003	0.365	0.340	1905.014	TRUE	<1E-200
FVC	FEZ2	cg10546459	rs13417363	A	G	0.162	0.030	0.187	3.84E-08	0.000	0.003	0.980	0.008	30.212	TRUE	4.77E-08
FVC	FEZ2	cg10546459	rs149357154	A	T	-0.674	0.060	0.039	3.55E-29	-0.005	0.006	0.447	0.033	125.648	TRUE	3.03E-28
FVC	FEZ2	cg10546459	rs17479952	A	G	0.438	0.078	0.022	1.95E-08	-0.018	0.008	0.021	0.008	31.529	TRUE	8.31E-08
FVC	FEZ2	cg10546459	rs2372707	T	C	-0.344	0.026	0.294	8.39E-41	0.002	0.003	0.480	0.046	178.812	TRUE	2.00E-39
FVC	FEZ2	cg10546459	rs3770929	A	G	0.328	0.024	0.409	1.17E-43	-0.003	0.002	0.184	0.049	191.894	TRUE	8.25E-42
FVC	FEZ2	cg10546459	rs4670563	G	A	-0.307	0.024	0.350	3.10E-36	0.010	0.003	1.13E-04	0.041	157.910	TRUE	1.81E-33
FVC	FEZ2	cg10546459	rs62136186	G	A	0.462	0.071	0.025	1.01E-10	-0.003	0.007	0.658	0.011	41.787	TRUE	1.78E-10
FVC	FEZ2	cg10546459	rs6710384	C	A	0.317	0.034	0.136	1.22E-20	-0.002	0.004	0.668	0.023	86.715	TRUE	3.88E-20
FVC	FEZ2	cg10546459	rs68111809	C	T	-0.536	0.081	0.019	4.57E-11	0.004	0.008	0.668	0.012	43.329	TRUE	8.19E-11
FVC	FEZ2	cg10546459	rs711250	C	G	0.274	0.032	0.156	1.54E-17	-0.004	0.003	0.281	0.019	72.619	TRUE	6.85E-17
FVC	FEZ2	cg10546459	rs72787263	A	C	-0.402	0.042	0.088	6.48E-22	-0.009	0.004	0.024	0.024	92.527	TRUE	1.20E-20
FVC	FEZ2	cg10546459	rs76259623	C	T	-0.482	0.041	0.080	4.99E-32	-0.008	0.004	0.087	0.036	138.676	TRUE	1.56E-30
FVC	FEZ2	cg10546459	rs848505	C	T	0.303	0.026	0.301	1.67E-32	0.002	0.003	0.414	0.037	140.846	TRUE	2.02E-31
FVC	FEZ2	cg10546459	rs848555	T	G	0.275	0.026	0.266	1.57E-25	-0.008	0.003	0.004	0.029	109.002	TRUE	8.22E-24
FVC	FEZ2	cg10546459	rs882842	C	A	0.443	0.070	0.030	2.67E-10	-0.018	0.007	0.012	0.011	39.880	TRUE	1.60E-09
FVC	FEZ2	cg11324054	rs13013664	A	C	0.218	0.025	0.323	1.70E-18	-0.011	0.003	7.66E-06	0.020	76.968	TRUE	1.27E-16
FVC	FEZ2	cg11324054	rs2270333	C	G	-0.162	0.025	0.349	5.04E-11	-0.002	0.003	0.463	0.012	43.138	TRUE	1.08E-10
FVC	FEZ2	cg15105969	rs10191126	G	A	0.271	0.025	0.323	1.16E-27	-0.003	0.003	0.295	0.031	118.733	TRUE	1.16E-26
FVC	FEZ2	cg15105969	rs10192768	T	C	0.334	0.050	0.166	2.04E-11	0.005	0.003	0.152	0.012	44.908	TRUE	6.95E-11
FVC	FEZ2	cg15105969	rs10490666	T	A	-0.327	0.026	0.306	2.40E-36	0.001	0.003	0.651	0.041	158.420	TRUE	2.71E-35
FVC	FEZ2	cg15105969	rs11124524	G	C	-0.777	0.120	0.025	9.61E-11	-0.009	0.008	0.254	0.011	41.877	TRUE	2.63E-10
FVC	FEZ2	cg15105969	rs115696505	T	G	-0.636	0.065	0.031	2.23E-22	0.008	0.007	0.246	0.025	94.638	TRUE	1.56E-21

FVC	FEZ2	cg15105969	rs11678226	C	T	-0.864	0.023	0.303	<1E-200	0.002	0.003	0.365	0.283	1462.909	TRUE	3.36E-281
FVC	FEZ2	cg15105969	rs13417363	A	G	0.178	0.030	0.187	1.51E-09	0.000	0.003	0.980	0.010	36.505	TRUE	1.97E-09
FVC	FEZ2	cg15105969	rs144029257	C	G	0.560	0.075	0.024	9.20E-14	-0.016	0.007	0.022	0.015	55.501	TRUE	7.04E-13
FVC	FEZ2	cg15105969	rs17479952	A	G	0.452	0.078	0.022	6.47E-09	-0.018	0.008	0.021	0.009	33.669	TRUE	2.92E-08
FVC	FEZ2	cg15105969	rs2372707	T	C	-0.345	0.026	0.294	5.46E-41	0.002	0.003	0.480	0.046	179.665	TRUE	1.33E-39
FVC	FEZ2	cg15105969	rs3770929	A	G	0.309	0.024	0.409	4.47E-39	-0.003	0.002	0.184	0.044	170.912	TRUE	1.87E-37
FVC	FEZ2	cg15105969	rs4553805	G	C	-0.649	0.061	0.038	1.87E-26	-0.003	0.006	0.607	0.030	113.223	TRUE	9.84E-26
FVC	FEZ2	cg15105969	rs4670563	G	A	-0.335	0.024	0.350	7.02E-43	0.010	0.003	1.13E-04	0.048	188.322	TRUE	1.13E-39
FVC	FEZ2	cg15105969	rs60512518	G	A	0.142	0.026	0.306	3.34E-08	-0.001	0.003	0.640	0.008	30.480	TRUE	5.24E-08
FVC	FEZ2	cg15105969	rs62134623	G	A	-0.316	0.045	0.072	2.50E-12	-0.010	0.004	0.033	0.013	49.023	TRUE	1.51E-11
FVC	FEZ2	cg15105969	rs62136179	G	A	-0.622	0.105	0.010	3.52E-09	-0.015	0.011	0.177	0.009	34.856	TRUE	9.59E-09
FVC	FEZ2	cg15105969	rs62136186	G	A	0.397	0.072	0.025	2.81E-08	-0.003	0.007	0.658	0.008	30.819	TRUE	4.37E-08
FVC	FEZ2	cg15105969	rs6716934	T	A	0.361	0.032	0.150	5.57E-29	-0.003	0.003	0.395	0.033	124.754	TRUE	5.13E-28
FVC	FEZ2	cg15105969	rs711245	A	G	0.441	0.025	0.321	7.81E-69	-0.010	0.003	8.21E-05	0.077	307.294	TRUE	1.27E-63
FVC	FEZ2	cg15105969	rs711250	C	G	0.264	0.032	0.156	2.04E-16	-0.004	0.003	0.281	0.018	67.523	TRUE	8.33E-16
FVC	FEZ2	cg15105969	rs72787263	A	C	-0.322	0.042	0.088	1.65E-14	-0.009	0.004	0.024	0.016	58.882	TRUE	1.36E-13
FVC	FEZ2	cg15105969	rs72789216	T	A	-0.499	0.082	0.019	9.41E-10	0.003	0.008	0.679	0.010	37.423	TRUE	1.55E-09
FVC	FEZ2	cg15105969	rs76259623	C	T	-0.482	0.041	0.080	5.36E-32	-0.008	0.004	0.087	0.036	138.534	TRUE	1.67E-30
FVC	FEZ2	cg15105969	rs848505	C	T	0.260	0.026	0.301	3.13E-24	0.002	0.003	0.414	0.027	103.081	TRUE	1.84E-23
FVC	FEZ2	cg15105969	rs848555	T	G	0.304	0.026	0.266	6.97E-31	-0.008	0.003	0.004	0.035	133.445	TRUE	7.20E-29
FVC	FEZ2	cg15105969	rs997602	G	A	0.269	0.039	0.107	3.46E-12	-0.008	0.004	0.031	0.013	48.381	TRUE	2.07E-11
FVC	FEZ2	cg24860371	rs11693359	T	C	-0.191	0.025	0.359	7.69E-15	0.010	0.002	1.02E-04	0.016	60.380	TRUE	2.23E-13
FVC	FGF10	cg16536718	rs969520	T	G	0.216	0.029	0.188	5.54E-14	0.018	0.003	2.60E-10	0.015	56.497	TRUE	7.14E-12
FVC	FGFR1	cg02043791	rs12544187	A	C	-0.350	0.025	0.413	5.41E-43	-0.009	0.002	2.47E-04	0.049	188.838	TRUE	7.07E-40
FVC	FGFR1	cg02043791	rs138012741	G	A	-1.575	0.079	0.026	3.18E-89	-0.007	0.007	0.304	0.098	400.880	TRUE	1.46E-84
FVC	FGFR1	cg02043791	rs17182134	A	C	0.747	0.045	0.079	2.84E-61	0.000	0.004	0.928	0.069	272.614	TRUE	3.16E-59
FVC	FGFR1	cg02043791	rs2445027	G	T	-0.221	0.037	0.137	1.91E-09	-0.011	0.003	0.002	0.010	36.047	TRUE	1.45E-08
FVC	FGFR1	cg02043791	rs34503346	T	C	-0.250	0.029	0.256	2.32E-18	0.001	0.003	0.817	0.020	76.353	TRUE	5.34E-18
FVC	FGFR1	cg08722122	rs117880184	T	C	-0.983	0.093	0.036	2.82E-26	0.007	0.007	0.261	0.029	112.411	TRUE	2.69E-25
FVC	FGFR1	cg08722122	rs3758102	T	C	-0.283	0.028	0.271	9.38E-24	0.006	0.003	0.024	0.027	100.906	TRUE	2.10E-22
FVC	FGFR1	cg08722122	rs6474458	A	G	-0.139	0.025	0.447	4.14E-08	0.005	0.002	0.053	0.008	30.067	TRUE	1.39E-07
FVC	FGFR1	cg08722122	rs6990295	T	C	-0.294	0.037	0.132	4.40E-15	0.004	0.003	0.293	0.016	61.477	TRUE	1.58E-14
FVC	FGFR1	cg08722122	rs74584846	A	G	0.245	0.044	0.092	2.39E-08	-0.007	0.004	0.105	0.008	31.130	TRUE	7.03E-08
FVC	FGFR1	cg08722122	rs75923541	A	G	0.456	0.041	0.107	1.12E-28	0.003	0.004	0.379	0.032	123.368	TRUE	1.02E-27
FVC	FGFR1	cg11547613	rs12114449	G	A	-0.247	0.044	0.087	2.73E-08	0.001	0.004	0.794	0.008	30.873	TRUE	3.86E-08
FVC	FGFR1	cg12614213	rs4739558	A	G	-0.159	0.026	0.401	9.45E-10	-0.009	0.002	1.66E-04	0.010	37.414	TRUE	1.07E-08
FVC	FGFR1	cg14733725	rs17182134	A	C	-0.399	0.046	0.079	3.58E-18	0.000	0.004	0.928	0.020	75.502	TRUE	7.30E-18
FVC	FGFR1	cg15321288	rs17175631	A	G	-0.226	0.041	0.108	4.41E-08	0.003	0.004	0.493	0.008	29.946	TRUE	7.76E-08
FVC	FGFR1	cg15321288	rs17182051	T	C	-0.666	0.099	0.032	1.44E-11	0.003	0.006	0.679	0.012	45.590	TRUE	2.60E-11
FVC	FGFR1	cg15321288	rs17435276	C	A	-0.211	0.028	0.286	2.63E-14	0.008	0.003	0.001	0.015	57.964	TRUE	4.10E-13
FVC	FGFR1	cg15321288	rs2461335	T	C	0.215	0.039	0.122	4.39E-08	-0.008	0.004	0.025	0.008	29.951	TRUE	1.74E-07
FVC	FGFR1	cg15321288	rs6474491	C	T	0.172	0.029	0.244	3.20E-09	-0.001	0.003	0.666	0.009	35.037	TRUE	5.19E-09

FVC	FGFR1	cg15321288	rs881300	C	A	-0.331	0.037	0.132	6.41E-19	0.004	0.003	0.288	0.021	78.896	TRUE	3.10E-18
FVC	FGFR1	cg15321288	rs930828	C	T	0.524	0.025	0.410	9.45E-98	-0.009	0.002	2.47E-04	0.106	440.034	TRUE	3.45E-90
FVC	FGFR1	cg16625770	rs11784905	A	T	-0.268	0.032	0.198	1.69E-17	0.001	0.003	0.693	0.019	72.434	TRUE	4.21E-17
FVC	FGFR1	cg16625770	rs118173885	C	T	-0.665	0.121	0.021	3.47E-08	0.008	0.010	0.425	0.008	30.407	TRUE	6.52E-08
FVC	FGFR1	cg16625770	rs12114449	G	A	-0.462	0.044	0.087	1.10E-25	0.001	0.004	0.794	0.029	109.714	TRUE	4.23E-25
FVC	FGFR1	cg16625770	rs17182002	A	C	0.468	0.025	0.399	1.20E-76	-0.009	0.002	1.69E-04	0.085	343.147	TRUE	6.57E-71
FVC	FGFR1	cg16625770	rs17435276	C	A	-0.312	0.028	0.286	9.08E-30	0.008	0.003	0.001	0.034	128.351	TRUE	1.08E-27
FVC	FGFR1	cg16625770	rs28761213	T	A	-0.182	0.029	0.238	5.37E-10	-0.001	0.003	0.716	0.010	38.518	TRUE	8.67E-10
FVC	FGFR1	cg16625770	rs328291	A	G	0.179	0.031	0.206	1.24E-08	-0.005	0.003	0.098	0.009	32.409	TRUE	3.81E-08
FVC	FGFR1	cg20148210	rs17182051	T	C	-0.661	0.099	0.032	2.09E-11	0.003	0.006	0.679	0.012	44.857	TRUE	3.75E-11
FVC	FGFR1	cg24828864	rs138012741	G	A	0.456	0.081	0.026	1.86E-08	-0.007	0.007	0.304	0.008	31.621	TRUE	4.01E-08
FVC	FGFR1	cg24828864	rs17175624	T	G	0.203	0.026	0.399	4.11E-15	-0.009	0.002	2.39E-04	0.016	61.611	TRUE	9.79E-14
FVC	FGFR1	cg27653103	rs12114449	G	A	-0.346	0.044	0.087	5.35E-15	0.001	0.004	0.794	0.016	61.095	TRUE	1.05E-14
FVC	FGFR3	cg00077738	rs114803756	C	G	-0.772	0.070	0.030	2.62E-28	0.004	0.007	0.562	0.032	121.686	TRUE	1.71E-27
FVC	FGFR3	cg00077738	rs115117761	G	C	-0.445	0.046	0.071	4.05E-22	0.018	0.005	7.09E-05	0.025	93.458	TRUE	3.62E-20
FVC	FGFR3	cg00077738	rs115353075	T	C	-0.723	0.125	0.015	6.43E-09	0.019	0.010	0.069	0.009	33.680	TRUE	2.22E-08
FVC	FGFR3	cg00077738	rs1894425	G	A	-0.296	0.027	0.229	1.68E-27	0.001	0.003	0.806	0.031	117.996	TRUE	7.30E-27
FVC	FGFR3	cg00077738	rs28681468	T	C	-1.046	0.064	0.033	1.77E-59	0.020	0.007	0.002	0.067	264.381	TRUE	1.44E-55
FVC	FGFR3	cg00077738	rs4315860	T	G	0.138	0.023	0.476	3.33E-09	-0.005	0.002	0.025	0.009	34.964	TRUE	1.47E-08
FVC	FGFR3	cg00077738	rs75608146	T	C	-0.664	0.099	0.013	2.07E-11	0.005	0.009	0.573	0.012	44.877	TRUE	4.12E-11
FVC	FGFR3	cg00077738	rs77914314	T	C	-0.465	0.049	0.146	3.10E-21	0.008	0.004	0.018	0.024	89.430	TRUE	5.68E-20
FVC	FGFR3	cg03874978	rs68036491	C	G	-0.183	0.031	0.163	2.83E-09	0.005	0.003	0.113	0.009	35.279	TRUE	8.78E-09
FVC	FGFR3	cg07360076	rs58012990	A	G	-0.269	0.029	0.194	3.36E-20	0.005	0.003	0.095	0.022	84.722	TRUE	3.05E-19
FVC	FGFR3	cg24979233	rs3135865	T	C	-0.814	0.136	0.017	2.36E-09	0.005	0.009	0.607	0.010	35.630	TRUE	4.06E-09
FVC	FHIT	cg01556706	rs73092688	C	T	0.281	0.038	0.113	1.56E-13	0.008	0.004	0.044	0.015	54.463	TRUE	9.81E-13
FVC	FHIT	cg03060986	rs12498046	G	T	-0.177	0.024	0.458	4.76E-14	-0.005	0.002	0.028	0.015	56.795	TRUE	3.48E-13
FVC	FHIT	cg03319184	rs6808129	G	C	0.306	0.026	0.264	3.86E-32	-0.003	0.003	0.304	0.036	139.185	TRUE	5.83E-31
FVC	FHIT	cg05645292	rs1683354	G	A	0.282	0.030	0.207	6.67E-21	0.007	0.003	0.014	0.023	87.915	TRUE	1.31E-19
FVC	FHIT	cg05645292	rs56102180	T	C	0.983	0.083	0.021	1.38E-32	-0.007	0.008	0.367	0.037	141.231	TRUE	1.86E-31
FVC	FHIT	cg05645292	rs6803290	T	C	-0.136	0.024	0.434	1.07E-08	0.001	0.002	0.773	0.009	32.701	TRUE	1.56E-08
FVC	FHIT	cg05645292	rs812965	T	C	0.196	0.030	0.195	3.37E-11	-0.001	0.003	0.672	0.012	43.923	TRUE	6.08E-11
FVC	FHIT	cg08195983	rs143323240	T	C	0.497	0.058	0.041	7.27E-18	-0.008	0.006	0.168	0.020	74.101	TRUE	4.18E-17
FVC	FHIT	cg08195983	rs9843007	T	A	0.157	0.024	0.360	7.95E-11	0.001	0.002	0.601	0.011	42.247	TRUE	1.50E-10
FVC	FHIT	cg08223225	rs111725731	C	G	0.395	0.039	0.098	1.74E-24	-0.004	0.004	0.252	0.027	104.245	TRUE	1.47E-23
FVC	FHIT	cg08223225	rs11920478	G	C	0.189	0.031	0.191	7.01E-10	-0.005	0.003	0.135	0.010	37.997	TRUE	2.20E-09
FVC	FHIT	cg08223225	rs13066622	C	T	-0.272	0.028	0.227	3.33E-22	0.003	0.003	0.359	0.025	93.842	TRUE	1.80E-21
FVC	FHIT	cg14147855	rs6446175	T	C	-0.343	0.028	0.219	2.72E-34	0.004	0.003	0.216	0.039	149.027	TRUE	6.41E-33
FVC	FHIT	cg14147855	rs9879276	A	G	-0.353	0.025	0.312	7.78E-45	0.001	0.003	0.643	0.051	197.275	TRUE	2.11E-43
FVC	FHIT	cg16140565	rs115318229	T	C	0.468	0.080	0.020	4.55E-09	0.005	0.008	0.568	0.009	34.355	TRUE	7.91E-09
FVC	FHIT	cg16140565	rs115524555	C	T	-0.505	0.024	0.364	4.81E-100	0.002	0.003	0.380	0.109	450.566	TRUE	1.33E-94
FVC	FHIT	cg16140565	rs13099360	G	A	0.561	0.059	0.048	1.46E-21	0.001	0.007	0.895	0.024	90.917	TRUE	3.79E-21
FVC	FHIT	cg16140565	rs151743	T	C	-0.197	0.033	0.430	1.44E-09	-0.002	0.003	0.452	0.010	36.596	TRUE	2.83E-09

FVC	FHIT	cg16140565	rs17063095	C	A	0.645	0.038	0.111	8.47E-66	0.000	0.004	0.992	0.073	293.369	TRUE	1.48E-63
FVC	FHIT	cg16140565	rs242201	G	A	-0.381	0.040	0.090	3.12E-21	0.002	0.004	0.611	0.024	89.417	TRUE	1.10E-20
FVC	FHIT	cg16140565	rs242213	C	G	0.463	0.040	0.091	3.63E-31	0.000	0.004	0.934	0.035	134.740	TRUE	1.72E-30
FVC	FHIT	cg16140565	rs242219	T	C	-0.349	0.034	0.481	1.74E-24	0.001	0.003	0.770	0.027	104.243	TRUE	6.36E-24
FVC	FHIT	cg16140565	rs2736824	T	C	0.431	0.074	0.060	5.79E-09	0.001	0.005	0.913	0.009	33.886	TRUE	7.68E-09
FVC	FHIT	cg16140565	rs409484	G	A	1.029	0.022	0.498	<1E-200	0.001	0.002	0.769	0.362	2099.301	TRUE	<1E-200
FVC	FHIT	cg16140565	rs423336	T	G	0.590	0.039	0.099	2.69E-52	0.001	0.004	0.780	0.059	231.458	TRUE	1.33E-50
FVC	FHIT	cg16140565	rs6795869	G	A	0.508	0.046	0.067	2.59E-28	-0.001	0.005	0.907	0.032	121.704	TRUE	1.05E-27
FVC	FHIT	cg16140565	rs77800664	C	T	0.532	0.084	0.037	2.34E-10	0.008	0.007	0.263	0.011	40.139	TRUE	6.10E-10
FVC	FHIT	cg16140565	rs965033	C	T	0.176	0.032	0.379	3.98E-08	-0.002	0.002	0.409	0.008	30.144	TRUE	7.56E-08
FVC	FHIT	cg16140565	rs9849856	G	A	0.158	0.024	0.494	3.16E-11	0.002	0.002	0.475	0.012	44.049	TRUE	6.81E-11
FVC	FHIT	cg16806041	rs1038516	G	A	0.200	0.031	0.172	6.81E-11	-0.002	0.003	0.467	0.011	42.550	TRUE	1.47E-10
FVC	FHIT	cg16806041	rs78179214	G	A	0.693	0.088	0.017	3.46E-15	-0.015	0.009	0.094	0.016	61.953	TRUE	1.97E-14
FVC	FHIT	cg17087356	rs481165	G	C	0.594	0.035	0.130	1.05E-64	0.008	0.004	0.025	0.072	288.348	TRUE	5.73E-61
FVC	FHIT	cg17087356	rs6801469	T	G	0.162	0.028	0.241	4.75E-09	-0.002	0.003	0.505	0.009	34.270	TRUE	8.62E-09
FVC	FHIT	cg17573813	rs11712250	G	A	0.342	0.047	0.143	2.57E-13	-0.004	0.004	0.291	0.014	53.480	TRUE	8.07E-13
FVC	FHIT	cg17573813	rs199743650	T	C	0.403	0.033	0.146	6.59E-35	0.002	0.003	0.530	0.039	151.839	TRUE	8.09E-34
FVC	FHIT	cg17573813	rs59166923	T	C	-0.338	0.034	0.140	1.13E-23	-0.005	0.003	0.145	0.026	100.530	TRUE	1.18E-22
FVC	FHIT	cg17573813	rs60695685	C	T	1.094	0.072	0.024	1.23E-52	-0.017	0.008	0.022	0.059	233.018	TRUE	1.14E-49
FVC	FHIT	cg17573813	rs6445195	G	A	0.215	0.028	0.221	1.85E-14	-0.002	0.003	0.419	0.016	58.651	TRUE	5.22E-14
FVC	FHIT	cg17573813	rs7374200	G	C	0.490	0.059	0.045	1.33E-16	0.005	0.007	0.481	0.018	68.372	TRUE	4.06E-16
FVC	FHIT	cg17573813	rs7609667	T	G	0.184	0.026	0.303	1.84E-12	-0.001	0.003	0.670	0.013	49.622	TRUE	3.53E-12
FVC	FHIT	cg17573813	rs9839707	T	C	1.764	0.049	0.048	1.92E-282	-0.007	0.005	0.204	0.258	1289.038	TRUE	1.49E-250
FVC	FHIT	cg20366397	rs13093788	C	G	-0.159	0.023	0.416	1.17E-11	-0.003	0.002	0.227	0.012	45.997	TRUE	3.58E-11
FVC	FHIT	cg21541638	rs13099397	C	A	-0.142	0.024	0.496	2.43E-09	-0.001	0.002	0.824	0.010	35.572	TRUE	3.49E-09
FVC	FHIT	cg21541638	rs17064628	A	T	0.470	0.059	0.039	1.23E-15	-0.008	0.006	0.168	0.017	63.990	TRUE	5.84E-15
FVC	FHIT	cg23222057	rs1905864	G	A	-0.149	0.025	0.330	4.17E-09	-0.002	0.003	0.562	0.009	34.522	TRUE	7.41E-09
FVC	FHIT	cg24504954	rs1851784	C	T	-0.323	0.053	0.047	1.38E-09	-0.008	0.005	0.165	0.010	36.674	TRUE	3.99E-09
FVC	FHIT	cg25736251	rs1125285	A	G	0.225	0.031	0.167	1.55E-13	0.006	0.003	0.070	0.015	54.479	TRUE	8.35E-13
FVC	FHIT	cg25921543	rs212032	A	G	0.176	0.024	0.442	1.21E-13	0.003	0.002	0.300	0.015	54.967	TRUE	3.84E-13
FVC	FHIT	cg27254860	rs17254574	A	G	-0.250	0.036	0.120	3.89E-12	0.006	0.004	0.095	0.013	48.156	TRUE	1.69E-11
FVC	FIS1	cg01299997	rs112823304	C	T	0.593	0.098	0.017	1.19E-09	0.004	0.031	0.910	0.010	36.970	TRUE	1.63E-09
FVC	FIS1	cg01299997	rs4729666	T	C	0.238	0.032	0.191	5.20E-14	-0.005	0.003	0.088	0.015	56.623	TRUE	2.78E-13
FVC	FIS1	cg01299997	rs4729678	T	G	0.231	0.024	0.393	1.01E-21	-0.006	0.002	0.016	0.024	91.654	TRUE	2.16E-20
FVC	FIS1	cg01299997	rs6979286	G	A	0.649	0.051	0.056	1.15E-37	-0.011	0.005	0.036	0.043	164.450	TRUE	1.09E-35
FVC	FIS1	cg01299997	rs75741381	G	C	-0.187	0.032	0.157	6.59E-09	0.001	0.003	0.722	0.009	33.634	TRUE	1.01E-08
FVC	FIS1	cg01299997	rs77379913	A	G	-0.904	0.072	0.029	3.03E-36	-0.003	0.007	0.661	0.041	157.954	TRUE	3.39E-35
FVC	FIS1	cg03239279	rs184781527	A	G	-1.102	0.111	0.015	2.91E-23	-0.019	0.012	0.098	0.026	98.663	TRUE	3.51E-22
FVC	FIS1	cg17825709	rs371349457	G	C	0.548	0.052	0.053	6.22E-26	-0.011	0.005	0.034	0.029	110.840	TRUE	1.52E-24
FVC	FIS1	cg17825709	rs4729678	T	G	0.179	0.024	0.393	1.33E-13	-0.006	0.002	0.016	0.015	54.780	TRUE	1.14E-12
FVC	FIS1	cg17825709	rs734688	T	C	-0.131	0.024	0.388	3.46E-08	-0.005	0.002	0.037	0.008	30.416	TRUE	1.30E-07
FVC	FIS1	cg17825709	rs77379913	A	G	-0.449	0.072	0.029	5.34E-10	-0.003	0.007	0.661	0.010	38.526	TRUE	9.08E-10

FVC	FIS1	cg17944572	rs2302428	C	T	-0.255	0.026	0.281	3.11E-22	-0.003	0.003	0.239	0.025	93.975	TRUE	2.23E-21
FVC	FIS1	cg17944572	rs77731918	T	C	-0.526	0.057	0.042	1.94E-20	-0.009	0.006	0.109	0.023	85.802	TRUE	1.71E-19
FVC	FIS1	cg18158419	rs10265206	A	G	0.370	0.056	0.042	5.38E-11	-0.011	0.006	0.066	0.011	43.011	TRUE	2.35E-10
FVC	FIS1	cg18158419	rs117817520	G	T	0.715	0.127	0.019	1.70E-08	-0.004	0.010	0.665	0.009	31.795	TRUE	2.67E-08
FVC	FIS1	cg18158419	rs13229117	C	T	0.136	0.025	0.344	4.46E-08	0.000	0.003	0.881	0.008	29.924	TRUE	5.90E-08
FVC	FIS1	cg18158419	rs184781527	A	G	1.468	0.110	0.015	2.03E-40	-0.019	0.012	0.098	0.046	177.052	TRUE	1.55E-38
FVC	FIS1	cg18158419	rs4729678	T	G	0.235	0.024	0.393	1.92E-22	-0.006	0.002	0.016	0.025	94.935	TRUE	4.46E-21
FVC	FIS1	cg18158419	rs734688	T	C	-0.147	0.024	0.388	6.85E-10	-0.005	0.002	0.037	0.010	38.043	TRUE	3.12E-09
FVC	FIS1	cg18158419	rs77379913	A	G	-0.695	0.072	0.029	6.27E-22	-0.003	0.007	0.661	0.024	92.591	TRUE	2.20E-21
FVC	FIS1	cg18158419	rs7777930	T	C	0.428	0.052	0.150	1.75E-16	0.002	0.003	0.650	0.018	67.834	TRUE	4.33E-16
FVC	FIS1	cg19802458	rs73185938	T	C	0.171	0.029	0.212	4.88E-09	0.006	0.003	0.031	0.009	34.217	TRUE	2.08E-08
FVC	FIS1	cg19802458	rs77731918	T	C	-0.460	0.057	0.042	6.08E-16	-0.009	0.006	0.109	0.017	65.375	TRUE	3.54E-15
FVC	FIS1	cg25385322	rs1047319	G	T	-0.192	0.029	0.223	4.10E-11	0.000	0.003	0.918	0.012	43.542	TRUE	5.97E-11
FVC	FIS1	cg25385322	rs13226233	C	G	-0.189	0.026	0.297	2.30E-13	0.001	0.003	0.680	0.014	53.698	TRUE	4.65E-13
FVC	FIS1	cg25385322	rs6942609	A	G	0.289	0.029	0.213	3.41E-23	0.007	0.003	0.020	0.026	98.354	TRUE	7.77E-22
FVC	FIS1	cg25385322	rs6979286	G	A	0.547	0.051	0.056	3.38E-27	-0.011	0.005	0.036	0.031	116.611	TRUE	9.46E-26
FVC	FOXK2	cg01122847	rs147721183	T	C	-1.071	0.120	0.016	5.27E-19	-0.001	0.011	0.957	0.021	79.283	TRUE	1.09E-18
FVC	FOXK2	cg01122847	rs149143300	T	C	-0.819	0.089	0.017	2.24E-20	-0.007	0.010	0.472	0.023	85.523	TRUE	9.03E-20
FVC	FOXK2	cg01122847	rs62079679	T	C	-0.550	0.058	0.045	5.50E-21	0.012	0.006	0.042	0.023	88.298	TRUE	7.35E-20
FVC	FOXK2	cg01483119	rs11869798	C	A	0.169	0.026	0.281	1.64E-10	0.000	0.003	0.980	0.011	40.829	TRUE	2.23E-10
FVC	FOXK2	cg01483119	rs147721183	T	C	-0.869	0.122	0.016	9.36E-13	-0.001	0.011	0.957	0.014	50.947	TRUE	1.41E-12
FVC	FOXK2	cg01483119	rs149143300	T	C	-0.783	0.089	0.017	1.51E-18	-0.007	0.010	0.472	0.020	77.199	TRUE	5.35E-18
FVC	FOXK2	cg01483119	rs3752822	G	C	-0.285	0.030	0.178	8.25E-21	-0.005	0.003	0.118	0.023	87.495	TRUE	7.14E-20
FVC	FOXK2	cg01483119	rs3794713	C	T	0.282	0.031	0.165	8.72E-20	0.005	0.003	0.118	0.022	82.834	TRUE	6.89E-19
FVC	FOXK2	cg01483119	rs75794119	A	G	-0.482	0.058	0.044	5.86E-17	0.013	0.006	0.038	0.019	69.987	TRUE	5.45E-16
FVC	FOXK2	cg01483119	rs77037677	A	G	-0.670	0.050	0.055	4.19E-41	0.002	0.005	0.673	0.046	180.193	TRUE	7.38E-40
FVC	FOXK2	cg01483119	rs78077159	G	C	-0.339	0.052	0.052	6.23E-11	0.009	0.006	0.122	0.011	42.723	TRUE	2.22E-10
FVC	FOXK2	cg02094337	rs12452440	T	C	0.174	0.024	0.430	1.45E-13	-0.004	0.002	0.087	0.015	54.603	TRUE	7.34E-13
FVC	FOXK2	cg02094337	rs4789705	C	G	0.209	0.036	0.127	3.91E-09	0.002	0.004	0.491	0.009	34.649	TRUE	7.30E-09
FVC	FOXK2	cg02116768	rs72852022	T	C	-0.207	0.030	0.203	2.65E-12	-0.002	0.003	0.443	0.013	48.908	TRUE	6.31E-12
FVC	FOXK2	cg02796939	rs753569	T	G	-0.351	0.029	0.210	1.59E-33	-0.001	0.003	0.660	0.038	145.514	TRUE	1.41E-32
FVC	FOXK2	cg02796939	rs78165269	C	G	0.215	0.025	0.304	2.15E-17	0.000	0.003	0.866	0.019	71.965	TRUE	4.42E-17
FVC	FOXK2	cg03238119	rs4789817	G	A	0.151	0.025	0.355	6.63E-10	0.000	0.003	0.906	0.010	38.107	TRUE	9.24E-10
FVC	FOXK2	cg03238119	rs79150306	T	A	-0.275	0.050	0.055	4.40E-08	0.001	0.005	0.813	0.008	29.950	TRUE	6.09E-08
FVC	FOXK2	cg04381393	rs113425960	T	G	-2.006	0.162	0.013	3.69E-35	-0.009	0.010	0.376	0.040	152.993	TRUE	6.28E-34
FVC	FOXK2	cg04381393	rs117895336	A	G	-0.386	0.061	0.042	3.31E-10	0.008	0.006	0.192	0.011	39.460	TRUE	9.57E-10
FVC	FOXK2	cg04800768	rs1387545	T	C	-0.322	0.032	0.389	3.20E-23	0.001	0.002	0.596	0.026	98.479	TRUE	1.35E-22
FVC	FOXK2	cg04800768	rs17885612	G	C	-0.142	0.025	0.289	2.45E-08	0.008	0.003	0.002	0.008	31.086	TRUE	1.61E-07
FVC	FOXK2	cg04800768	rs78106158	G	C	-0.374	0.051	0.063	1.45E-13	0.006	0.004	0.158	0.015	54.602	TRUE	5.99E-13
FVC	FOXK2	cg05331763	rs11652501	G	C	0.479	0.024	0.362	1.52E-91	-0.006	0.003	0.013	0.100	411.535	TRUE	1.54E-85
FVC	FOXK2	cg05331763	rs117542937	T	C	-0.476	0.074	0.024	1.01E-10	0.014	0.007	0.048	0.011	41.782	TRUE	4.59E-10
FVC	FOXK2	cg05331763	rs144288267	C	T	-0.364	0.053	0.046	5.04E-12	0.001	0.005	0.866	0.013	47.647	TRUE	7.95E-12

FVC	FOXK2	cg05331763	rs4789817	G	A	-0.191	0.024	0.355	5.97E-15	0.000	0.003	0.906	0.016	60.880	TRUE	1.05E-14
FVC	FOXK2	cg05331763	rs73371707	A	G	0.404	0.072	0.061	1.70E-08	0.009	0.005	0.048	0.009	31.797	TRUE	6.13E-08
FVC	FOXK2	cg05331763	rs9905533	T	C	-1.113	0.036	0.108	1.23E-215	0.009	0.004	0.027	0.210	981.827	TRUE	2.43E-194
FVC	FOXK2	cg05331763	rs9911222	T	C	-1.115	0.025	0.173	<1E-200	0.005	0.003	0.088	0.353	2017.296	TRUE	<1E-200
FVC	FOXK2	cg05578865	rs116857425	T	C	0.481	0.081	0.020	2.48E-09	-0.008	0.009	0.349	0.010	35.537	TRUE	5.43E-09
FVC	FOXK2	cg05578865	rs117252262	T	C	-0.546	0.087	0.020	3.20E-10	0.014	0.008	0.093	0.011	39.528	TRUE	1.16E-09
FVC	FOXK2	cg05578865	rs12150524	A	G	-0.331	0.051	0.054	5.86E-11	0.003	0.005	0.572	0.011	42.845	TRUE	1.13E-10
FVC	FOXK2	cg05578865	rs12936476	T	C	-0.178	0.024	0.476	5.67E-14	0.001	0.002	0.780	0.015	56.451	TRUE	1.08E-13
FVC	FOXK2	cg05578865	rs12948621	C	A	-0.238	0.024	0.379	5.16E-23	-0.003	0.003	0.282	0.026	97.533	TRUE	3.56E-22
FVC	FOXK2	cg05578865	rs148600435	A	G	-0.548	0.091	0.017	1.48E-09	-0.002	0.007	0.722	0.010	36.544	TRUE	2.32E-09
FVC	FOXK2	cg05578865	rs34509144	A	T	-0.372	0.060	0.045	5.93E-10	0.006	0.006	0.314	0.010	38.323	TRUE	1.40E-09
FVC	FOXK2	cg05578865	rs3794713	C	T	-0.665	0.030	0.165	7.11E-108	0.005	0.003	0.118	0.116	486.529	TRUE	3.88E-101
FVC	FOXK2	cg05578865	rs60966564	A	G	0.521	0.029	0.212	1.02E-73	-0.001	0.003	0.874	0.082	329.710	TRUE	7.33E-71
FVC	FOXK2	cg05578865	rs73357180	C	T	0.382	0.034	0.134	1.22E-28	-0.001	0.004	0.687	0.032	123.199	TRUE	6.77E-28
FVC	FOXK2	cg05578865	rs74001784	T	C	0.289	0.053	0.050	3.84E-08	0.000	0.006	0.980	0.008	30.211	TRUE	4.72E-08
FVC	FOXK2	cg05578865	rs77256703	G	A	-0.777	0.020	0.441	<1E-200	0.003	0.002	0.252	0.285	1474.022	TRUE	8.39E-283
FVC	FOXK2	cg05578865	rs79233685	T	G	0.207	0.036	0.115	8.04E-09	-0.003	0.004	0.505	0.009	33.248	TRUE	1.47E-08
FVC	FOXK2	cg05578865	rs8067360	C	T	0.203	0.024	0.455	1.01E-17	0.000	0.002	0.864	0.019	73.446	TRUE	2.15E-17
FVC	FOXK2	cg05578865	rs8069795	C	A	-0.150	0.027	0.261	1.98E-08	0.011	0.003	6.84E-05	0.008	31.497	TRUE	2.05E-07
FVC	FOXK2	cg05578865	rs9891087	A	G	0.429	0.049	0.061	2.78E-18	-0.002	0.005	0.744	0.020	76.001	TRUE	6.97E-18
FVC	FOXK2	cg05580415	rs11654159	T	C	-0.209	0.032	0.162	6.30E-11	0.001	0.003	0.859	0.011	42.702	TRUE	9.58E-11
FVC	FOXK2	cg05580415	rs117039631	T	C	-0.544	0.086	0.019	2.65E-10	0.010	0.008	0.205	0.011	39.894	TRUE	7.59E-10
FVC	FOXK2	cg05580415	rs117477450	G	C	-0.431	0.079	0.025	4.60E-08	0.009	0.008	0.267	0.008	29.862	TRUE	1.01E-07
FVC	FOXK2	cg05580415	rs12150313	G	T	-0.288	0.050	0.055	1.10E-08	0.003	0.005	0.524	0.009	32.633	TRUE	1.95E-08
FVC	FOXK2	cg05580415	rs12948621	C	A	-0.299	0.024	0.379	7.10E-36	-0.003	0.003	0.282	0.041	156.266	TRUE	1.63E-34
FVC	FOXK2	cg05580415	rs148600435	A	G	-0.520	0.091	0.017	9.68E-09	-0.002	0.007	0.722	0.009	32.887	TRUE	1.46E-08
FVC	FOXK2	cg05580415	rs2279393	G	A	0.406	0.033	0.155	1.30E-35	0.000	0.003	0.950	0.040	155.057	TRUE	8.77E-35
FVC	FOXK2	cg05580415	rs2635417	A	C	-0.205	0.023	0.498	2.20E-18	0.001	0.002	0.731	0.020	76.460	TRUE	5.56E-18
FVC	FOXK2	cg05580415	rs376385266	A	G	-0.190	0.027	0.243	2.79E-12	0.011	0.003	1.14E-04	0.013	48.803	TRUE	5.31E-11
FVC	FOXK2	cg05580415	rs3794713	C	T	-0.641	0.030	0.165	5.73E-100	0.005	0.003	0.118	0.109	450.214	TRUE	5.85E-94
FVC	FOXK2	cg05580415	rs60966564	A	G	0.275	0.029	0.212	4.61E-21	-0.001	0.003	0.874	0.023	88.646	TRUE	1.19E-20
FVC	FOXK2	cg05580415	rs62079682	A	G	-0.330	0.060	0.045	3.64E-08	0.006	0.006	0.314	0.008	30.316	TRUE	7.58E-08
FVC	FOXK2	cg05580415	rs7217917	T	C	-0.142	0.024	0.472	2.09E-09	0.000	0.002	0.880	0.010	35.867	TRUE	2.94E-09
FVC	FOXK2	cg05580415	rs7406537	A	G	0.170	0.024	0.440	4.56E-13	-0.008	0.003	0.002	0.014	52.356	TRUE	5.43E-12
FVC	FOXK2	cg05580415	rs77256703	G	A	-0.762	0.020	0.441	<1E-200	0.003	0.002	0.252	0.278	1427.753	TRUE	7.39E-275
FVC	FOXK2	cg05580415	rs79989195	T	C	0.430	0.057	0.036	7.32E-14	-0.001	0.006	0.914	0.015	55.949	TRUE	1.21E-13
FVC	FOXK2	cg05580415	rs9891087	A	G	0.337	0.049	0.061	7.85E-12	-0.002	0.005	0.744	0.012	46.778	TRUE	1.37E-11
FVC	FOXK2	cg05580415	rs9916861	T	C	0.166	0.030	0.208	2.06E-08	-0.005	0.003	0.085	0.008	31.418	TRUE	6.45E-08
FVC	FOXK2	cg07539709	rs72852022	T	C	-0.293	0.029	0.203	2.27E-23	-0.002	0.003	0.443	0.026	99.162	TRUE	1.19E-22
FVC	FOXK2	cg07539709	rs78165269	C	G	0.189	0.025	0.304	6.74E-14	0.000	0.003	0.866	0.015	56.113	TRUE	1.15E-13
FVC	FOXK2	cg08848988	rs3794713	C	T	-0.399	0.031	0.165	1.47E-38	0.005	0.003	0.118	0.044	168.542	TRUE	7.96E-37
FVC	FOXK2	cg10255544	rs3829565	G	C	-0.674	0.038	0.101	4.97E-69	0.004	0.004	0.362	0.077	308.195	TRUE	6.00E-66

FVC	FOXK2	cg10255544	rs6502119	C	T	0.252	0.024	0.367	1.45E-25	-0.006	0.003	0.015	0.029	109.171	TRUE	4.55E-24
FVC	FOXK2	cg10460657	rs8074559	G	A	0.296	0.048	0.150	9.51E-10	0.003	0.004	0.445	0.010	37.402	TRUE	1.94E-09
FVC	FOXK2	cg10460657	rs9788998	G	A	0.266	0.023	0.463	7.54E-30	0.001	0.002	0.696	0.034	128.719	TRUE	4.49E-29
FVC	FOXK2	cg11779900	rs118072068	T	A	-0.548	0.087	0.022	3.03E-10	0.018	0.008	0.019	0.011	39.635	TRUE	1.62E-09
FVC	FOXK2	cg11779900	rs146599866	T	C	-0.930	0.024	0.242	<1E-200	0.003	0.003	0.278	0.286	1484.276	TRUE	1.23E-284
FVC	FOXK2	cg11779900	rs62078078	T	C	0.309	0.028	0.228	2.99E-29	0.000	0.003	0.919	0.033	125.988	TRUE	1.27E-28
FVC	FOXK2	cg11779900	rs79589817	T	C	-0.210	0.038	0.134	2.48E-08	-0.006	0.004	0.091	0.008	31.058	TRUE	7.58E-08
FVC	FOXK2	cg11779900	rs9911222	T	C	0.219	0.031	0.173	1.60E-12	0.005	0.003	0.088	0.013	49.893	TRUE	7.50E-12
FVC	FOXK2	cg11779900	rs9916019	C	A	0.305	0.038	0.107	8.33E-16	0.009	0.004	0.027	0.017	64.755	TRUE	7.70E-15
FVC	FOXK2	cg14173033	rs140709442	A	G	-0.644	0.114	0.013	1.46E-08	0.013	0.009	0.178	0.009	32.084	TRUE	3.80E-08
FVC	FOXK2	cg14173033	rs72852022	T	C	-0.256	0.030	0.203	4.39E-18	-0.002	0.003	0.443	0.020	75.096	TRUE	1.55E-17
FVC	FOXK2	cg14173033	rs78165269	C	G	0.156	0.025	0.304	7.22E-10	0.000	0.003	0.866	0.010	37.940	TRUE	1.03E-09
FVC	FOXK2	cg14587273	rs1007494	A	G	-0.145	0.025	0.323	3.84E-09	0.002	0.003	0.495	0.009	34.684	TRUE	7.15E-09
FVC	FOXK2	cg14587273	rs11656597	A	G	-0.182	0.028	0.221	1.24E-10	0.000	0.003	0.947	0.011	41.372	TRUE	1.74E-10
FVC	FOXK2	cg14587273	rs28708773	T	G	-1.583	0.065	0.034	8.30E-130	0.016	0.007	0.012	0.137	587.291	TRUE	6.58E-120
FVC	FOXK2	cg14587273	rs56080345	T	A	-0.270	0.028	0.241	1.29E-22	0.001	0.003	0.836	0.025	95.711	TRUE	3.85E-22
FVC	FOXK2	cg14587273	rs71376548	T	C	-0.454	0.053	0.051	8.41E-18	-0.002	0.005	0.752	0.020	73.815	TRUE	2.04E-17
FVC	FOXK2	cg14674306	rs12950772	G	A	0.319	0.026	0.269	2.92E-34	-0.004	0.003	0.191	0.039	148.883	TRUE	7.32E-33
FVC	FOXK2	cg14674306	rs201699120	A	T	-0.187	0.030	0.204	3.47E-10	-0.002	0.003	0.462	0.011	39.369	TRUE	7.07E-10
FVC	FOXK2	cg15292356	rs111946258	G	A	0.269	0.030	0.196	1.09E-19	-0.004	0.003	0.225	0.022	82.402	TRUE	6.53E-19
FVC	FOXK2	cg15292356	rs11651812	A	G	-0.675	0.023	0.338	1.93E-181	-0.002	0.003	0.383	0.182	824.607	TRUE	8.02E-167
FVC	FOXK2	cg15292356	rs117959151	G	A	-0.878	0.129	0.018	1.17E-11	-0.003	0.008	0.695	0.012	45.997	TRUE	2.10E-11
FVC	FOXK2	cg15292356	rs118100209	A	G	-0.414	0.061	0.044	1.46E-11	-0.007	0.006	0.212	0.012	45.559	TRUE	4.55E-11
FVC	FOXK2	cg15292356	rs2279394	A	G	-0.276	0.026	0.275	1.61E-26	0.000	0.003	0.879	0.030	113.515	TRUE	5.91E-26
FVC	FOXK2	cg15292356	rs3752822	G	C	0.297	0.030	0.178	1.34E-22	-0.005	0.003	0.118	0.025	95.641	TRUE	1.37E-21
FVC	FOXK2	cg15292356	rs62079722	A	C	-0.209	0.030	0.188	7.28E-12	0.003	0.003	0.311	0.013	46.925	TRUE	1.98E-11
FVC	FOXK2	cg15292356	rs630945	G	A	0.219	0.024	0.449	4.03E-20	0.003	0.002	0.228	0.022	84.360	TRUE	2.44E-19
FVC	FOXK2	cg15292356	rs79989195	T	C	-0.355	0.058	0.036	7.08E-10	-0.001	0.006	0.914	0.010	37.979	TRUE	9.76E-10
FVC	FOXK2	cg15292356	rs8082615	G	C	0.239	0.029	0.192	4.43E-16	0.005	0.003	0.081	0.018	66.001	TRUE	2.94E-15
FVC	FOXK2	cg15292356	rs9890099	T	G	-0.185	0.028	0.235	6.92E-11	-0.005	0.003	0.086	0.011	42.517	TRUE	2.79E-10
FVC	FOXK2	cg15349696	rs72852022	T	C	-0.291	0.029	0.203	5.09E-23	-0.002	0.003	0.443	0.026	97.558	TRUE	2.60E-22
FVC	FOXK2	cg15349696	rs78165269	C	G	0.175	0.025	0.304	5.37E-12	0.000	0.003	0.866	0.013	47.520	TRUE	8.40E-12
FVC	FOXK2	cg16375265	rs11650031	T	C	-0.199	0.036	0.109	2.94E-08	0.006	0.004	0.103	0.008	30.728	TRUE	8.67E-08
FVC	FOXK2	cg16375265	rs117252262	T	C	-0.545	0.087	0.020	3.36E-10	0.014	0.008	0.093	0.011	39.432	TRUE	1.22E-09
FVC	FOXK2	cg16375265	rs12936476	T	C	-0.143	0.024	0.476	1.45E-09	0.001	0.002	0.780	0.010	36.580	TRUE	2.21E-09
FVC	FOXK2	cg16375265	rs12948621	C	A	-0.223	0.024	0.379	1.73E-20	-0.003	0.003	0.282	0.023	86.027	TRUE	9.68E-20
FVC	FOXK2	cg16375265	rs2279393	G	A	0.240	0.033	0.155	2.50E-13	0.000	0.003	0.950	0.014	53.534	TRUE	3.90E-13
FVC	FOXK2	cg16375265	rs2635417	A	C	-0.176	0.023	0.498	6.52E-14	0.001	0.002	0.731	0.015	56.177	TRUE	1.27E-13
FVC	FOXK2	cg16375265	rs3794713	C	T	-0.606	0.030	0.165	4.92E-89	0.005	0.003	0.118	0.098	400.006	TRUE	5.75E-84
FVC	FOXK2	cg16375265	rs60966564	A	G	0.305	0.029	0.212	1.25E-25	-0.001	0.003	0.874	0.029	109.460	TRUE	4.35E-25
FVC	FOXK2	cg16375265	rs72851958	C	A	-0.154	0.027	0.242	1.45E-08	0.010	0.003	2.80E-04	0.009	32.102	TRUE	1.23E-07
FVC	FOXK2	cg16375265	rs77256703	G	A	-0.556	0.023	0.441	1.66E-133	0.003	0.002	0.252	0.140	604.292	TRUE	1.49E-124

FVC	FOXK2	cg16375265	rs9891087	A	G	0.286	0.049	0.061	6.36E-09	-0.002	0.005	0.744	0.009	33.704	TRUE	9.61E-09
FVC	FOXK2	cg16755922	rs80014614	A	G	0.449	0.050	0.060	2.49E-19	0.004	0.005	0.446	0.021	80.761	TRUE	9.74E-19
FVC	FOXK2	cg16755922	rs878823	T	C	0.512	0.028	0.211	5.72E-73	0.007	0.003	0.019	0.081	326.268	TRUE	1.46E-68
FVC	FOXK2	cg16755922	rs9911520	T	C	0.393	0.071	0.063	3.62E-08	0.005	0.005	0.322	0.008	30.326	TRUE	7.46E-08
FVC	FOXK2	cg18128058	rs142226247	A	G	0.369	0.057	0.046	1.23E-10	-0.007	0.006	0.239	0.011	41.391	TRUE	3.46E-10
FVC	FOXK2	cg18128058	rs4789807	T	C	-0.322	0.030	0.200	2.00E-27	-0.002	0.003	0.462	0.031	117.657	TRUE	1.41E-26
FVC	FOXK2	cg18128058	rs78165269	C	G	0.216	0.025	0.304	1.79E-17	0.000	0.003	0.866	0.019	72.322	TRUE	3.70E-17
FVC	FOXK2	cg20173014	rs12452440	T	C	0.261	0.023	0.430	8.92E-29	-0.004	0.002	0.087	0.032	123.820	TRUE	1.98E-27
FVC	FOXK2	cg20710824	rs11869798	C	A	-0.215	0.026	0.281	1.23E-16	0.000	0.003	0.980	0.018	68.522	TRUE	2.22E-16
FVC	FOXK2	cg20710824	rs180743348	T	C	-0.167	0.029	0.182	1.45E-08	-0.002	0.003	0.619	0.009	32.101	TRUE	2.36E-08
FVC	FOXK2	cg20710824	rs8074559	G	A	0.297	0.048	0.150	8.48E-10	0.003	0.004	0.445	0.010	37.626	TRUE	1.73E-09
FVC	FOXK2	cg20710824	rs9788998	G	A	0.290	0.023	0.463	2.69E-36	0.001	0.002	0.696	0.041	158.193	TRUE	2.79E-35
FVC	FOXK2	cg21093005	rs113987209	T	C	0.339	0.038	0.286	2.32E-19	-0.010	0.003	1.72E-04	0.021	80.898	TRUE	1.09E-17
FVC	FOXK2	cg21093005	rs4789803	T	C	-0.284	0.046	0.181	5.78E-10	0.004	0.003	0.190	0.010	38.373	TRUE	1.66E-09
FVC	FOXK2	cg21093005	rs56075787	T	C	-0.172	0.028	0.235	7.48E-10	0.004	0.003	0.206	0.010	37.872	TRUE	2.07E-09
FVC	FOXK2	cg21909206	rs3794713	C	T	-0.198	0.030	0.165	8.59E-11	0.005	0.003	0.118	0.011	42.095	TRUE	3.03E-10
FVC	FOXK2	cg22582875	rs8076310	T	C	-0.267	0.029	0.209	3.12E-20	-0.001	0.003	0.684	0.022	84.866	TRUE	9.50E-20
FVC	FOXK2	cg23628350	rs118027829	T	C	0.481	0.066	0.037	2.14E-13	0.005	0.007	0.490	0.014	53.847	TRUE	5.24E-13
FVC	FOXK2	cg23628350	rs144288267	C	T	-0.341	0.053	0.046	9.81E-11	0.001	0.005	0.866	0.011	41.837	TRUE	1.46E-10
FVC	FOXK2	cg23628350	rs2085615	C	G	0.199	0.025	0.363	6.32E-16	0.003	0.003	0.310	0.017	65.299	TRUE	2.31E-15
FVC	FOXK2	cg23628350	rs2246563	T	C	0.164	0.024	0.412	6.53E-12	0.001	0.002	0.628	0.013	47.137	TRUE	1.28E-11
FVC	FOXK2	cg23628350	rs60966564	A	G	0.975	0.025	0.212	<1E-200	-0.001	0.003	0.874	0.289	1500.648	TRUE	8.46E-289
FVC	FOXK2	cg23628350	rs62079673	T	C	0.556	0.023	0.417	9.03E-128	0.001	0.002	0.572	0.135	577.933	TRUE	5.88E-120
FVC	FOXK2	cg23628350	rs66693031	A	G	0.546	0.055	0.049	1.40E-23	0.001	0.006	0.837	0.026	100.120	TRUE	4.40E-23
FVC	FOXK2	cg23628350	rs744991	G	C	-0.350	0.025	0.289	6.32E-43	0.000	0.003	0.871	0.048	188.533	TRUE	9.38E-42
FVC	FOXK2	cg23628350	rs74705920	A	G	0.527	0.053	0.050	2.51E-23	0.000	0.005	0.950	0.026	98.956	TRUE	6.74E-23
FVC	FOXK2	cg23628350	rs77256703	G	A	-0.259	0.023	0.441	1.90E-28	0.003	0.002	0.252	0.032	122.325	TRUE	2.22E-27
FVC	FOXK2	cg23628350	rs9303032	G	A	0.137	0.024	0.440	6.93E-09	-0.001	0.002	0.815	0.009	33.537	TRUE	9.98E-09
FVC	FOXK2	cg23628350	rs9893830	T	A	0.487	0.044	0.215	4.61E-29	0.001	0.003	0.737	0.033	125.127	TRUE	2.50E-28
FVC	FOXK2	cg23674202	rs113987209	T	C	0.318	0.038	0.286	3.11E-17	-0.010	0.003	1.72E-04	0.019	71.235	TRUE	1.07E-15
FVC	FOXK2	cg23674202	rs118072068	T	A	0.479	0.087	0.022	3.67E-08	0.018	0.008	0.019	0.008	30.299	TRUE	1.54E-07
FVC	FOXK2	cg23674202	rs142507840	G	C	0.401	0.048	0.062	1.22E-16	0.008	0.005	0.118	0.018	68.540	TRUE	7.19E-16
FVC	FOXK2	cg23674202	rs35083592	A	G	0.157	0.026	0.279	2.33E-09	0.002	0.003	0.462	0.010	35.661	TRUE	4.54E-09
FVC	FOXK2	cg23674202	rs4789803	T	C	-0.421	0.045	0.181	2.24E-20	0.004	0.003	0.190	0.023	85.519	TRUE	1.53E-19
FVC	FOXK2	cg23674202	rs8067257	A	G	-0.192	0.030	0.205	8.03E-11	0.002	0.003	0.548	0.011	42.228	TRUE	1.57E-10
FVC	FOXK2	cg23765707	rs12600791	G	T	-0.315	0.051	0.055	4.56E-10	0.003	0.005	0.537	0.010	38.835	TRUE	8.63E-10
FVC	FOXK2	cg23765707	rs144288267	C	T	-0.303	0.053	0.046	9.25E-09	0.001	0.005	0.866	0.009	32.974	TRUE	1.26E-08
FVC	FOXK2	cg23765707	rs149143300	T	C	-0.509	0.089	0.017	1.14E-08	-0.007	0.010	0.472	0.009	32.576	TRUE	2.10E-08
FVC	FOXK2	cg23765707	rs7220002	C	A	0.347	0.032	0.166	3.16E-28	-0.004	0.003	0.221	0.032	121.312	TRUE	3.96E-27
FVC	FOXK2	cg24220178	rs113987209	T	C	0.484	0.037	0.286	8.75E-39	-0.010	0.003	1.72E-04	0.044	169.576	TRUE	6.74E-36
FVC	FOXK2	cg24220178	rs4789803	T	C	-0.461	0.045	0.181	3.01E-24	0.004	0.003	0.190	0.027	103.157	TRUE	2.91E-23
FVC	FOXK2	cg24220178	rs56075787	T	C	-0.181	0.028	0.235	9.00E-11	0.004	0.003	0.206	0.011	42.005	TRUE	2.68E-10

FVC	FOXK2	cg24537348	rs9271	A	G	-0.268	0.029	0.209	3.00E-20	-0.001	0.003	0.658	0.022	84.946	TRUE	9.42E-20
FVC	FOXK2	cg24770256	rs3736207	C	T	-0.244	0.039	0.102	3.94E-10	0.003	0.004	0.395	0.010	39.123	TRUE	8.60E-10
FVC	FOXK2	cg24793584	rs78165269	C	G	-0.153	0.025	0.304	8.92E-10	0.000	0.003	0.866	0.010	37.528	TRUE	1.26E-09
FVC	FOXK2	cg25009498	rs118027829	T	C	0.519	0.066	0.037	2.37E-15	0.005	0.007	0.490	0.017	62.697	TRUE	6.60E-15
FVC	FOXK2	cg25009498	rs144288267	C	T	-0.359	0.053	0.046	1.02E-11	0.001	0.005	0.866	0.012	46.263	TRUE	1.59E-11
FVC	FOXK2	cg25009498	rs1870370	G	C	0.218	0.033	0.163	3.50E-11	0.001	0.003	0.761	0.012	43.849	TRUE	5.81E-11
FVC	FOXK2	cg25009498	rs2451198	G	A	0.302	0.028	0.244	9.86E-28	0.001	0.003	0.625	0.031	119.055	TRUE	5.65E-27
FVC	FOXK2	cg25009498	rs60966564	A	G	1.001	0.025	0.212	<1E-200	-0.001	0.003	0.874	0.304	1619.313	TRUE	<1E-200
FVC	FOXK2	cg25009498	rs62079673	T	C	0.598	0.023	0.417	2.79E-149	0.001	0.002	0.572	0.155	676.780	TRUE	4.34E-139
FVC	FOXK2	cg25009498	rs72853019	A	G	1.036	0.104	0.027	1.81E-23	-0.003	0.008	0.689	0.026	99.603	TRUE	6.81E-23
FVC	FOXK2	cg25009498	rs744991	G	C	-0.370	0.025	0.289	5.86E-48	0.000	0.003	0.871	0.054	211.582	TRUE	1.47E-46
FVC	FOXK2	cg25009498	rs74705920	A	G	0.530	0.053	0.050	1.64E-23	0.000	0.005	0.950	0.026	99.799	TRUE	4.45E-23
FVC	FOXK2	cg25009498	rs77256703	G	A	-0.229	0.023	0.441	1.45E-22	0.003	0.002	0.252	0.025	95.481	TRUE	1.01E-21
FVC	FOXK2	cg25009498	rs78483419	C	T	-0.188	0.031	0.179	1.26E-09	-0.002	0.003	0.528	0.010	36.860	TRUE	2.36E-09
FVC	FOXK2	cg25009498	rs9893830	T	A	0.480	0.044	0.215	2.89E-28	0.001	0.003	0.737	0.032	121.487	TRUE	1.47E-27
FVC	FOXK2	cg26176014	rs140737552	T	C	0.191	0.027	0.246	2.55E-12	0.003	0.003	0.356	0.013	48.983	TRUE	6.81E-12
FVC	FOXK2	cg26986438	rs9914081	T	C	0.267	0.038	0.280	2.49E-12	-0.010	0.003	1.72E-04	0.013	49.026	TRUE	4.17E-11
FVC	FOXK2	cg27450688	rs3794713	C	T	-0.197	0.030	0.165	9.48E-11	0.005	0.003	0.118	0.011	41.904	TRUE	3.33E-10
FVC	FOXK2	cg27570233	rs2015031	A	G	0.141	0.024	0.357	5.99E-09	0.001	0.003	0.781	0.009	33.821	TRUE	8.79E-09
FVC	FTH1	cg01209023	rs195445	C	T	-0.304	0.025	0.322	1.84E-33	0.007	0.003	0.006	0.038	145.230	TRUE	2.32E-31
FVC	FTH1	cg01209023	rs71490347	T	G	0.235	0.027	0.266	7.76E-19	-0.002	0.003	0.537	0.021	78.518	TRUE	2.56E-18
FVC	FTH1	cg02315732	rs10897194	G	C	0.351	0.042	0.083	8.76E-17	-0.004	0.004	0.346	0.018	69.192	TRUE	3.29E-16
FVC	FTH1	cg02315732	rs12786452	T	C	-0.293	0.025	0.324	7.27E-32	0.007	0.003	0.006	0.036	137.930	TRUE	7.46E-30
FVC	FTH1	cg18570751	rs185835490	T	G	0.716	0.075	0.025	6.96E-22	0.001	0.008	0.882	0.024	92.385	TRUE	1.85E-21
FVC	FTH1	cg24496614	rs11605994	T	C	-0.158	0.027	0.251	6.16E-09	0.004	0.003	0.129	0.009	33.767	TRUE	1.83E-08
FVC	FTH1	cg24496614	rs17633020	A	G	0.296	0.028	0.219	5.99E-26	-0.001	0.003	0.651	0.029	110.917	TRUE	2.88E-25
FVC	FTH1	cg24803614	rs12576538	A	G	0.201	0.023	0.441	8.71E-18	-0.001	0.002	0.837	0.020	73.745	TRUE	1.91E-17
FVC	FTH1	cg24803614	rs12786452	T	C	-0.353	0.025	0.324	1.43E-45	0.007	0.003	0.006	0.051	200.646	TRUE	9.39E-43
FVC	FTH1	cg24803614	rs174455	G	A	0.140	0.024	0.347	6.41E-09	0.003	0.003	0.221	0.009	33.688	TRUE	1.58E-08
FVC	FTH1	cg24803614	rs34967927	A	G	-0.153	0.027	0.251	1.08E-08	-0.002	0.003	0.506	0.009	32.681	TRUE	1.91E-08
FVC	FTH1	cg24803614	rs72924290	C	T	-0.469	0.070	0.028	2.94E-11	-0.005	0.007	0.513	0.012	44.191	TRUE	6.12E-11
FVC	FTH1	cg24898753	rs17633020	A	G	0.304	0.028	0.219	2.39E-27	-0.001	0.003	0.651	0.031	117.297	TRUE	1.28E-26
FVC	FZD5	cg03851591	rs10165827	T	C	0.219	0.036	0.118	7.18E-10	-0.005	0.004	0.178	0.010	37.951	TRUE	2.07E-09
FVC	FZD5	cg03851591	rs13005485	A	G	-0.134	0.023	0.444	7.16E-09	0.006	0.003	0.015	0.009	33.473	TRUE	3.32E-08
FVC	FZD5	cg03851591	rs41265963	T	C	-0.275	0.024	0.399	1.61E-31	0.004	0.002	0.097	0.036	136.353	TRUE	4.58E-30
FVC	FZD5	cg05774672	rs35994626	A	G	0.599	0.063	0.081	1.32E-21	0.013	0.005	0.004	0.024	91.120	TRUE	4.18E-20
FVC	FZD5	cg05774672	rs57665068	T	C	-0.351	0.051	0.056	5.78E-12	-0.008	0.006	0.154	0.013	47.377	TRUE	2.10E-11
FVC	FZD5	cg14011663	rs11687552	T	C	0.936	0.019	0.370	<1E-200	0.002	0.003	0.359	0.402	2487.651	TRUE	<1E-200
FVC	FZD5	cg14011663	rs11695190	T	C	-0.422	0.025	0.300	4.52E-65	-0.008	0.003	0.002	0.073	290.031	TRUE	1.16E-60
FVC	FZD5	cg14011663	rs13411341	G	C	0.339	0.062	0.035	4.41E-08	0.001	0.006	0.828	0.008	29.945	TRUE	6.03E-08
FVC	FZD5	cg14011663	rs147748950	T	C	0.398	0.064	0.031	4.05E-10	0.006	0.006	0.346	0.010	39.067	TRUE	9.34E-10
FVC	FZD5	cg14011663	rs17203016	G	A	-0.203	0.029	0.200	4.83E-12	-0.001	0.003	0.867	0.013	47.727	TRUE	7.67E-12

FVC	FZD5	cg14011663	rs17458775	T	G	0.216	0.036	0.378	1.70E-09	0.009	0.002	1.58E-04	0.010	36.276	TRUE	1.89E-08
FVC	FZD5	cg14011663	rs2042484	T	C	0.205	0.024	0.422	1.25E-17	0.008	0.002	6.54E-04	0.019	73.029	TRUE	3.50E-16
FVC	FZD5	cg14011663	rs2551909	T	C	-0.499	0.042	0.081	4.13E-32	-0.016	0.005	5.58E-04	0.036	139.053	TRUE	8.77E-30
FVC	FZD5	cg14011663	rs4234080	A	C	0.427	0.033	0.138	1.57E-37	0.004	0.003	0.271	0.042	163.836	TRUE	4.54E-36
FVC	FZD5	cg14011663	rs56199150	G	C	-0.170	0.025	0.384	4.23E-12	0.001	0.003	0.696	0.013	47.991	TRUE	7.83E-12
FVC	FZD5	cg14011663	rs62192787	T	G	-0.245	0.043	0.081	9.23E-09	-0.001	0.005	0.908	0.009	32.979	TRUE	1.22E-08
FVC	FZD5	cg14011663	rs66800874	C	G	-0.341	0.041	0.089	6.10E-17	-0.005	0.004	0.253	0.019	69.907	TRUE	2.70E-16
FVC	FZD5	cg14011663	rs6747660	A	G	0.185	0.028	0.241	2.27E-11	0.002	0.003	0.450	0.012	44.695	TRUE	5.04E-11
FVC	FZD5	cg14011663	rs74471859	T	A	-0.510	0.063	0.081	5.92E-16	0.013	0.005	0.003	0.017	65.428	TRUE	9.78E-15
FVC	FZD5	cg14011663	rs7582078	C	A	-0.309	0.032	0.458	4.06E-22	0.000	0.003	0.908	0.025	93.451	TRUE	1.07E-21
FVC	FZD5	cg15262317	rs2363458	C	T	0.155	0.024	0.408	7.39E-11	-0.003	0.002	0.243	0.011	42.390	TRUE	2.07E-10
FVC	FZD5	cg15262317	rs2464981	A	T	-0.148	0.025	0.345	2.94E-09	0.008	0.003	0.001	0.009	35.207	TRUE	2.37E-08
FVC	FZD5	cg15262317	rs74471859	T	A	-0.596	0.063	0.081	2.32E-21	0.013	0.005	0.003	0.024	90.004	TRUE	7.55E-20
FVC	FZD5	cg15714846	rs57665068	T	C	-0.381	0.051	0.056	7.50E-14	-0.008	0.006	0.154	0.015	55.903	TRUE	3.19E-13
FVC	FZD5	cg15714846	rs74471859	T	A	0.672	0.063	0.081	6.22E-27	0.013	0.005	0.003	0.030	115.406	TRUE	4.09E-25
FVC	FZD5	cg16688437	rs2363458	C	T	0.179	0.024	0.408	4.05E-14	-0.003	0.002	0.243	0.015	57.115	TRUE	1.46E-13
FVC	FZD5	cg16688437	rs74471859	T	A	-0.378	0.063	0.081	2.23E-09	0.013	0.005	0.003	0.010	35.738	TRUE	1.56E-08
FVC	FZD5	cg19744498	rs35994626	A	G	1.306	0.059	0.081	1.01E-107	0.013	0.005	0.004	0.116	485.838	TRUE	8.56E-100
FVC	FZD5	cg19744498	rs55731465	A	C	-0.194	0.024	0.476	3.13E-16	0.000	0.002	0.852	0.018	66.683	TRUE	6.11E-16
FVC	FZD5	cg19744498	rs60133051	T	C	0.207	0.034	0.136	1.66E-09	0.006	0.004	0.113	0.010	36.315	TRUE	5.38E-09
FVC	FZD5	cg19957162	rs35994626	A	G	1.207	0.060	0.081	3.12E-90	0.013	0.005	0.004	0.099	405.508	TRUE	5.84E-84
FVC	FZD5	cg19957162	rs55731465	A	C	-0.164	0.024	0.476	6.40E-12	0.000	0.002	0.852	0.013	47.178	TRUE	1.00E-11
FVC	FZD5	cg19957162	rs57665068	T	C	-0.308	0.051	0.056	1.64E-09	-0.008	0.006	0.154	0.010	36.343	TRUE	4.82E-09
FVC	FZD5	cg19957162	rs60133051	T	C	0.227	0.034	0.136	3.62E-11	0.006	0.004	0.113	0.012	43.788	TRUE	1.36E-10
FVC	FZD5	cg19957162	rs6760444	G	A	0.139	0.024	0.386	7.98E-09	0.006	0.002	0.010	0.009	33.263	TRUE	4.15E-08
FVC	FZD5	cg21100734	rs114966053	G	A	0.608	0.100	0.017	1.33E-09	-0.014	0.009	0.107	0.010	36.755	TRUE	4.40E-09
FVC	FZD5	cg21100734	rs140492232	C	T	0.478	0.081	0.018	2.93E-09	-0.014	0.008	0.087	0.009	35.212	TRUE	9.90E-09
FVC	FZD5	cg21100734	rs17203016	G	A	-0.182	0.029	0.200	4.78E-10	-0.001	0.003	0.867	0.010	38.743	TRUE	6.93E-10
FVC	FZD5	cg21100734	rs9784133	G	A	0.213	0.024	0.408	1.95E-19	0.005	0.002	0.054	0.021	81.249	TRUE	2.04E-18
FVC	FZD5	cg25727806	rs41265963	T	C	0.247	0.024	0.399	3.37E-25	0.004	0.002	0.097	0.028	107.493	TRUE	4.98E-24
FVC	G0S2	cg06616057	rs11577968	C	G	0.155	0.028	0.210	3.87E-08	-0.006	0.003	0.031	0.008	30.198	TRUE	1.46E-07
FVC	G0S2	cg08158408	rs56948998	T	A	0.252	0.028	0.208	2.99E-19	-0.006	0.003	0.034	0.021	80.402	TRUE	3.59E-18
FVC	G0S2	cg08185241	rs73087477	T	C	0.156	0.028	0.212	3.17E-08	-0.006	0.003	0.031	0.008	30.583	TRUE	1.21E-07
FVC	G0S2	cg14824901	rs73087477	T	C	0.209	0.028	0.212	1.04E-13	-0.006	0.003	0.031	0.015	55.253	TRUE	7.22E-13
FVC	G0S2	cg19534438	rs2049999	C	T	0.198	0.024	0.388	1.94E-16	-0.004	0.002	0.086	0.018	67.625	TRUE	1.32E-15
FVC	G0S2	cg19534438	rs4844988	T	C	0.225	0.033	0.143	6.81E-12	-0.005	0.003	0.115	0.013	47.057	TRUE	2.70E-11
FVC	G0S2	cg19534438	rs6660087	C	T	-0.160	0.028	0.221	1.15E-08	0.005	0.003	0.087	0.009	32.555	TRUE	3.66E-08
FVC	G0S2	cg19534438	rs78075213	G	T	0.798	0.125	0.019	1.48E-10	-0.003	0.009	0.716	0.011	41.035	TRUE	2.47E-10
FVC	G0S2	cg19534438	rs932374	G	A	0.576	0.025	0.268	2.52E-114	-0.004	0.003	0.101	0.122	516.163	TRUE	6.86E-107
FVC	G0S2	cg23646375	rs10779511	A	G	0.159	0.027	0.242	4.31E-09	-0.005	0.003	0.072	0.009	34.462	TRUE	1.51E-08
FVC	G0S2	cg23646375	rs2298924	G	A	-0.232	0.035	0.135	4.67E-11	-0.001	0.003	0.814	0.012	43.286	TRUE	7.37E-11
FVC	G0S2	cg23646375	rs3753522	A	G	0.397	0.027	0.240	2.70E-47	-0.003	0.003	0.289	0.053	208.542	TRUE	2.10E-45

FVC	G0S2	cg23646375	rs4844860	G	A	0.141	0.026	0.292	4.21E-08	0.002	0.003	0.391	0.008	30.034	TRUE	8.05E-08
FVC	G0S2	cg27176828	rs73087477	T	C	0.195	0.028	0.212	3.44E-12	-0.006	0.003	0.031	0.013	48.395	TRUE	2.03E-11
FVC	GALNS	cg00073650	rs12102389	A	G	-1.041	0.087	0.021	9.35E-33	0.021	0.008	0.005	0.037	142.001	TRUE	1.06E-30
FVC	GALNS	cg00086334	rs11648295	T	G	-0.414	0.049	0.125	1.66E-17	0.003	0.004	0.408	0.019	72.471	TRUE	5.96E-17
FVC	GALNS	cg00086334	rs78408219	A	T	-0.260	0.043	0.084	2.09E-09	-0.003	0.004	0.502	0.010	35.872	TRUE	3.92E-09
FVC	GALNS	cg00230183	rs1064315	A	G	-0.251	0.027	0.256	3.77E-20	0.000	0.003	0.928	0.022	84.491	TRUE	8.73E-20
FVC	GALNS	cg00230183	rs112999834	T	A	0.240	0.041	0.100	6.35E-09	0.002	0.004	0.593	0.009	33.707	TRUE	1.07E-08
FVC	GALNS	cg00230183	rs116932393	T	A	-1.039	0.104	0.015	1.35E-23	-0.006	0.009	0.557	0.026	100.191	TRUE	6.09E-23
FVC	GALNS	cg00230183	rs12102389	A	G	1.013	0.088	0.021	1.42E-30	0.021	0.008	0.005	0.034	132.027	TRUE	1.22E-28
FVC	GALNS	cg00230183	rs533581	C	T	0.161	0.024	0.398	1.17E-11	-0.004	0.002	0.105	0.012	46.000	TRUE	4.68E-11
FVC	GALNS	cg01241798	rs11640595	T	C	-1.126	0.061	0.042	1.54E-75	0.014	0.007	0.034	0.084	338.063	TRUE	4.12E-71
FVC	GALNS	cg01241798	rs12931849	C	T	-0.301	0.029	0.206	1.81E-24	0.005	0.003	0.115	0.027	104.165	TRUE	2.30E-23
FVC	GALNS	cg01241798	rs12933643	T	C	-0.533	0.089	0.034	2.32E-09	-0.002	0.006	0.761	0.010	35.666	TRUE	3.54E-09
FVC	GALNS	cg01241798	rs13306296	A	G	-0.150	0.024	0.361	7.20E-10	-0.003	0.003	0.185	0.010	37.946	TRUE	2.04E-09
FVC	GALNS	cg01241798	rs147668693	A	G	0.475	0.056	0.049	2.60E-17	-0.003	0.005	0.557	0.019	71.585	TRUE	7.56E-17
FVC	GALNS	cg01241798	rs154663	T	C	-0.359	0.041	0.101	9.35E-19	0.012	0.004	0.004	0.021	78.149	TRUE	2.06E-17
FVC	GALNS	cg01241798	rs1646235	C	T	-0.235	0.041	0.200	1.26E-08	0.001	0.003	0.644	0.009	32.380	TRUE	2.02E-08
FVC	GALNS	cg01241798	rs2269333	G	A	-0.733	0.025	0.288	3.15E-189	0.000	0.003	0.982	0.189	860.408	TRUE	1.66E-174
FVC	GALNS	cg01241798	rs258336	T	G	0.175	0.024	0.459	1.41E-13	0.001	0.002	0.641	0.015	54.658	TRUE	2.96E-13
FVC	GALNS	cg01241798	rs2879898	T	C	-0.256	0.025	0.352	5.34E-25	0.006	0.003	0.030	0.028	106.580	TRUE	1.30E-23
FVC	GALNS	cg01241798	rs34060566	A	C	0.253	0.024	0.360	7.94E-26	-0.008	0.003	0.002	0.029	110.357	TRUE	4.99E-24
FVC	GALNS	cg01241798	rs34536643	G	A	-0.833	0.117	0.021	1.28E-12	-0.008	0.009	0.335	0.013	50.329	TRUE	3.59E-12
FVC	GALNS	cg01241798	rs4782469	A	G	0.182	0.029	0.228	3.42E-10	0.003	0.003	0.283	0.011	39.399	TRUE	8.58E-10
FVC	GALNS	cg01241798	rs4785639	A	G	-0.201	0.030	0.201	1.06E-11	0.005	0.003	0.098	0.012	46.183	TRUE	4.30E-11
FVC	GALNS	cg01241798	rs4785645	G	A	-0.185	0.027	0.256	3.77E-12	0.007	0.003	0.013	0.013	48.214	TRUE	2.74E-11
FVC	GALNS	cg01241798	rs563013384	T	C	-1.170	0.090	0.030	8.62E-39	-0.003	0.007	0.634	0.044	169.604	TRUE	1.30E-37
FVC	GALNS	cg01241798	rs6500516	C	T	-0.245	0.027	0.272	8.06E-20	0.006	0.003	0.036	0.022	82.990	TRUE	1.03E-18
FVC	GALNS	cg01241798	rs7186902	A	C	-0.169	0.030	0.181	2.69E-08	0.012	0.003	1.85E-04	0.008	30.903	TRUE	2.46E-07
FVC	GALNS	cg01241798	rs7188277	C	T	-0.236	0.031	0.181	2.24E-14	0.000	0.003	0.969	0.016	58.278	TRUE	3.59E-14
FVC	GALNS	cg01241798	rs7205379	G	A	-0.548	0.041	0.190	1.02E-41	0.005	0.003	0.117	0.047	182.998	TRUE	7.85E-40
FVC	GALNS	cg01241798	rs72631429	T	C	-0.271	0.028	0.224	1.22E-21	0.008	0.003	0.004	0.024	91.278	TRUE	3.82E-20
FVC	GALNS	cg01241798	rs72809428	A	G	-0.192	0.031	0.181	5.76E-10	-0.001	0.003	0.705	0.010	38.380	TRUE	9.39E-10
FVC	GALNS	cg01241798	rs72809455	C	A	-0.217	0.039	0.102	3.31E-08	0.001	0.004	0.879	0.008	30.500	TRUE	4.41E-08
FVC	GALNS	cg01241798	rs8050636	T	C	0.227	0.032	0.162	7.08E-13	-0.008	0.003	0.019	0.014	51.493	TRUE	5.27E-12
FVC	GALNS	cg01686522	rs111616786	A	G	0.402	0.049	0.062	3.92E-16	0.000	0.005	0.987	0.018	66.240	TRUE	6.79E-16
FVC	GALNS	cg01686522	rs112999834	T	A	-0.662	0.041	0.100	2.31E-59	0.002	0.004	0.593	0.067	263.855	TRUE	3.90E-57
FVC	GALNS	cg01686522	rs11648295	T	G	-0.307	0.049	0.125	3.71E-10	0.003	0.004	0.408	0.010	39.239	TRUE	8.04E-10
FVC	GALNS	cg01686522	rs118132614	C	T	0.336	0.056	0.046	2.75E-09	-0.002	0.005	0.672	0.009	35.334	TRUE	4.44E-09
FVC	GALNS	cg01686522	rs2242171	C	T	-0.197	0.024	0.397	1.26E-16	-0.003	0.002	0.242	0.018	68.476	TRUE	5.72E-16
FVC	GALNS	cg01686522	rs34060566	A	C	0.157	0.024	0.360	8.22E-11	-0.008	0.003	0.002	0.011	42.182	TRUE	7.38E-10
FVC	GALNS	cg01686522	rs35137494	A	G	0.729	0.031	0.160	1.26E-122	-0.003	0.003	0.308	0.130	554.301	TRUE	6.07E-115
FVC	GALNS	cg01686522	rs480474	C	T	-0.476	0.065	0.078	2.49E-13	-0.003	0.005	0.553	0.014	53.542	TRUE	5.67E-13

FVC	GALNS	cg01686522	rs80304559	A	G	0.224	0.038	0.105	3.08E-09	-0.004	0.004	0.331	0.009	35.114	TRUE	6.82E-09
FVC	GALNS	cg01686522	rs8058234	G	C	-0.202	0.024	0.374	7.65E-17	-0.003	0.003	0.232	0.018	69.460	TRUE	3.40E-16
FVC	GALNS	cg01686522	rs900729	C	G	0.161	0.029	0.218	1.96E-08	0.006	0.003	0.047	0.008	31.516	TRUE	7.12E-08
FVC	GALNS	cg02010324	rs77352724	G	C	-0.430	0.052	0.056	1.49E-16	-0.001	0.005	0.862	0.018	68.151	TRUE	2.98E-16
FVC	GALNS	cg02669544	rs147197496	T	G	-1.349	0.135	0.017	1.66E-23	0.037	0.011	6.88E-04	0.026	99.777	TRUE	1.04E-21
FVC	GALNS	cg02717656	rs12447646	A	G	-0.297	0.027	0.243	2.55E-27	-0.001	0.003	0.808	0.031	117.170	TRUE	1.09E-26
FVC	GALNS	cg02724461	rs11640595	T	C	0.390	0.063	0.042	4.66E-10	0.014	0.007	0.034	0.010	38.794	TRUE	2.14E-09
FVC	GALNS	cg02724461	rs118132614	C	T	0.395	0.056	0.046	2.44E-12	-0.002	0.005	0.672	0.013	49.066	TRUE	4.63E-12
FVC	GALNS	cg02724461	rs12934499	T	C	0.541	0.027	0.256	4.70E-91	0.000	0.003	0.943	0.100	409.281	TRUE	4.95E-87
FVC	GALNS	cg02724461	rs142277106	C	G	0.422	0.054	0.051	6.63E-15	-0.002	0.005	0.781	0.016	60.673	TRUE	1.31E-14
FVC	GALNS	cg02724461	rs2306050	T	C	0.257	0.029	0.216	1.29E-18	0.007	0.003	0.020	0.021	77.509	TRUE	1.78E-17
FVC	GALNS	cg02724461	rs6500502	A	G	-0.131	0.023	0.488	1.68E-08	-0.001	0.002	0.577	0.009	31.815	TRUE	2.79E-08
FVC	GALNS	cg02724461	rs8050636	T	C	-0.208	0.032	0.162	4.88E-11	-0.008	0.003	0.019	0.012	43.201	TRUE	2.94E-10
FVC	GALNS	cg04364752	rs3784883	T	C	0.276	0.027	0.257	2.12E-24	0.000	0.003	0.930	0.027	103.850	TRUE	6.19E-24
FVC	GALNS	cg04458924	rs113797435	T	G	0.413	0.054	0.054	2.56E-14	-0.003	0.005	0.603	0.015	58.019	TRUE	5.84E-14
FVC	GALNS	cg04458924	rs141712769	C	T	0.430	0.062	0.040	5.27E-12	0.013	0.007	0.043	0.013	47.557	TRUE	2.81E-11
FVC	GALNS	cg04458924	rs144243016	G	A	0.387	0.054	0.051	5.71E-13	-0.002	0.005	0.676	0.014	51.916	TRUE	1.12E-12
FVC	GALNS	cg04458924	rs2306050	T	C	0.158	0.029	0.216	4.30E-08	0.007	0.003	0.020	0.008	29.991	TRUE	1.80E-07
FVC	GALNS	cg04458924	rs3826066	C	T	0.483	0.024	0.362	2.80E-91	0.001	0.003	0.663	0.100	410.313	TRUE	6.19E-87
FVC	GALNS	cg04458924	rs4782336	C	A	0.143	0.023	0.457	9.93E-10	0.007	0.002	0.002	0.010	37.319	TRUE	7.70E-09
FVC	GALNS	cg04458924	rs77206885	G	A	0.262	0.046	0.068	1.83E-08	0.002	0.005	0.744	0.008	31.653	TRUE	2.69E-08
FVC	GALNS	cg04551282	rs12597726	A	G	0.142	0.026	0.307	3.92E-08	0.000	0.003	0.971	0.008	30.174	TRUE	4.87E-08
FVC	GALNS	cg04551282	rs142099589	A	C	0.574	0.075	0.027	2.28E-14	-0.003	0.008	0.698	0.016	58.245	TRUE	4.73E-14
FVC	GALNS	cg04551282	rs2306050	T	C	0.258	0.029	0.216	8.99E-19	0.007	0.003	0.020	0.021	78.228	TRUE	1.26E-17
FVC	GALNS	cg04551282	rs3826070	G	C	0.493	0.024	0.361	2.69E-92	0.001	0.003	0.645	0.101	414.987	TRUE	7.15E-88
FVC	GALNS	cg04551282	rs4782336	C	A	0.140	0.024	0.457	4.19E-09	0.007	0.002	0.002	0.009	34.515	TRUE	2.97E-08
FVC	GALNS	cg04551282	rs6500517	C	A	0.373	0.053	0.059	2.40E-12	0.019	0.006	9.73E-04	0.013	49.101	TRUE	3.03E-11
FVC	GALNS	cg05256999	rs7188107	T	G	-0.182	0.025	0.316	6.11E-13	0.000	0.003	0.958	0.014	51.783	TRUE	9.21E-13
FVC	GALNS	cg05397122	rs117384401	A	G	-0.430	0.077	0.045	2.76E-08	0.001	0.006	0.899	0.008	30.851	TRUE	3.62E-08
FVC	GALNS	cg05397122	rs3743546	G	A	-0.291	0.026	0.309	4.15E-29	0.002	0.003	0.424	0.033	125.335	TRUE	3.69E-28
FVC	GALNS	cg05397122	rs563013384	T	C	-1.677	0.087	0.030	9.90E-83	-0.003	0.007	0.634	0.091	371.069	TRUE	5.29E-79
FVC	GALNS	cg05943860	rs144243016	G	A	-0.456	0.054	0.051	4.47E-17	-0.002	0.005	0.676	0.019	70.519	TRUE	1.11E-16
FVC	GALNS	cg05943860	rs2161730	G	A	-0.456	0.026	0.301	5.26E-71	0.000	0.003	0.911	0.079	317.259	TRUE	2.32E-68
FVC	GALNS	cg05943860	rs2306050	T	C	-0.221	0.029	0.216	3.81E-14	0.007	0.003	0.020	0.015	57.235	TRUE	3.19E-13
FVC	GALNS	cg05943860	rs516137	C	T	-0.185	0.032	0.173	7.76E-09	0.004	0.003	0.228	0.009	33.317	TRUE	1.88E-08
FVC	GALNS	cg05943860	rs753602	T	C	0.174	0.026	0.285	1.26E-11	-0.001	0.003	0.619	0.012	45.849	TRUE	2.43E-11
FVC	GALNS	cg05943860	rs77206885	G	A	-0.305	0.047	0.068	8.34E-11	0.002	0.005	0.744	0.011	42.155	TRUE	1.38E-10
FVC	GALNS	cg06062279	rs6500515	G	A	0.161	0.029	0.211	3.73E-08	0.005	0.003	0.075	0.008	30.271	TRUE	1.18E-07
FVC	GALNS	cg06062279	rs837763	C	T	0.139	0.024	0.445	3.79E-09	0.004	0.002	0.062	0.009	34.708	TRUE	1.36E-08
FVC	GALNS	cg06526420	rs117742652	A	G	0.453	0.079	0.039	1.08E-08	-0.007	0.006	0.243	0.009	32.680	TRUE	2.54E-08
FVC	GALNS	cg06526420	rs2306050	T	C	-0.184	0.029	0.216	2.83E-10	0.007	0.003	0.020	0.011	39.768	TRUE	1.53E-09
FVC	GALNS	cg06526420	rs4592657	G	A	-0.228	0.039	0.105	6.48E-09	0.006	0.004	0.126	0.009	33.666	TRUE	1.92E-08

FVC	GALNS	cg06526420	rs7499525	T	C	-0.175	0.028	0.239	3.11E-10	0.009	0.003	7.87E-04	0.011	39.585	TRUE	3.04E-09
FVC	GALNS	cg06526420	rs8045567	A	G	0.137	0.024	0.401	9.95E-09	-0.008	0.002	7.20E-04	0.009	32.833	TRUE	8.16E-08
FVC	GALNS	cg06526420	rs8054994	T	G	-0.375	0.026	0.288	1.78E-46	0.003	0.003	0.236	0.052	204.794	TRUE	1.53E-44
FVC	GALNS	cg06680609	rs147408884	T	C	-0.826	0.087	0.029	3.13E-21	-0.003	0.007	0.628	0.024	89.408	TRUE	1.10E-20
FVC	GALNS	cg06941554	rs117577078	G	A	-1.098	0.087	0.031	2.77E-36	-0.004	0.007	0.532	0.041	158.134	TRUE	3.86E-35
FVC	GALNS	cg06941554	rs12930286	T	C	0.185	0.025	0.333	2.14E-13	0.002	0.003	0.538	0.014	53.846	TRUE	4.94E-13
FVC	GALNS	cg06941554	rs148375912	A	G	0.533	0.095	0.018	2.40E-08	0.026	0.008	0.002	0.008	31.126	TRUE	1.53E-07
FVC	GALNS	cg07731312	rs3859025	T	C	0.195	0.024	0.366	1.29E-15	0.001	0.003	0.636	0.017	63.901	TRUE	3.09E-15
FVC	GALNS	cg07774081	rs11076715	T	C	0.404	0.027	0.272	5.23E-52	0.004	0.003	0.149	0.059	230.138	TRUE	1.30E-49
FVC	GALNS	cg07774081	rs147668693	A	G	0.316	0.056	0.049	1.48E-08	-0.003	0.005	0.557	0.009	32.061	TRUE	2.53E-08
FVC	GALNS	cg07947266	rs1141390	G	A	-0.163	0.025	0.329	1.01E-10	0.003	0.003	0.271	0.011	41.785	TRUE	2.64E-10
FVC	GALNS	cg07947266	rs3759946	G	C	-0.436	0.054	0.055	9.60E-16	-0.003	0.006	0.585	0.017	64.476	TRUE	2.44E-15
FVC	GALNS	cg08136432	rs1646239	G	C	0.235	0.040	0.203	4.03E-09	-0.001	0.003	0.766	0.009	34.592	TRUE	6.07E-09
FVC	GALNS	cg08136432	rs2879898	T	C	-0.157	0.025	0.352	2.58E-10	0.006	0.003	0.030	0.011	39.950	TRUE	1.29E-09
FVC	GALNS	cg08136432	rs3784879	C	G	-0.583	0.024	0.369	1.83E-131	0.002	0.003	0.371	0.139	594.904	TRUE	5.69E-123
FVC	GALNS	cg08136432	rs7194471	T	C	-0.445	0.065	0.061	5.43E-12	0.005	0.004	0.219	0.013	47.501	TRUE	1.73E-11
FVC	GALNS	cg08136432	rs78408219	A	T	-1.253	0.041	0.084	5.79E-205	-0.003	0.004	0.502	0.201	932.752	TRUE	3.30E-187
FVC	GALNS	cg08136432	rs8050636	T	C	0.276	0.031	0.162	1.65E-18	-0.008	0.003	0.019	0.020	77.032	TRUE	2.29E-17
FVC	GALNS	cg09308897	rs111504162	A	G	-0.278	0.037	0.119	3.73E-14	-0.013	0.004	1.97E-04	0.015	57.273	TRUE	8.56E-13
FVC	GALNS	cg09308897	rs113096685	T	C	-0.281	0.047	0.069	2.18E-09	-0.017	0.005	4.82E-04	0.010	35.783	TRUE	2.05E-08
FVC	GALNS	cg09308897	rs11640595	T	C	0.667	0.062	0.042	8.36E-27	0.014	0.007	0.034	0.030	114.818	TRUE	2.26E-25
FVC	GALNS	cg09308897	rs118132614	C	T	0.576	0.056	0.046	9.02E-25	-0.002	0.005	0.672	0.028	105.544	TRUE	3.78E-24
FVC	GALNS	cg09308897	rs12444543	G	A	0.864	0.023	0.286	<1E-200	0.000	0.003	0.971	0.277	1417.445	TRUE	1.11E-274
FVC	GALNS	cg09308897	rs12444871	T	C	0.258	0.042	0.099	6.77E-10	0.007	0.004	0.093	0.010	38.066	TRUE	2.40E-09
FVC	GALNS	cg09308897	rs146593560	G	T	-1.020	0.124	0.018	1.98E-16	0.026	0.009	0.002	0.018	67.590	TRUE	3.76E-15
FVC	GALNS	cg09308897	rs147668693	A	G	0.769	0.056	0.049	2.00E-43	-0.003	0.005	0.557	0.049	190.820	TRUE	5.48E-42
FVC	GALNS	cg09308897	rs2306050	T	C	0.392	0.029	0.216	1.41E-41	0.007	0.003	0.020	0.047	182.351	TRUE	2.98E-39
FVC	GALNS	cg09308897	rs2911268	A	G	0.269	0.030	0.189	7.71E-19	0.007	0.003	0.033	0.021	78.529	TRUE	8.83E-18
FVC	GALNS	cg09308897	rs34278797	A	G	0.662	0.109	0.025	1.06E-09	0.001	0.007	0.901	0.010	37.191	TRUE	1.47E-09
FVC	GALNS	cg09308897	rs34308486	C	A	0.201	0.026	0.316	4.03E-15	0.000	0.003	0.976	0.016	61.653	TRUE	6.72E-15
FVC	GALNS	cg09308897	rs507540	A	G	-0.241	0.034	0.319	1.29E-12	-0.002	0.003	0.463	0.013	50.314	TRUE	3.08E-12
FVC	GALNS	cg09308897	rs533581	C	T	-0.258	0.024	0.398	1.31E-27	-0.004	0.002	0.105	0.031	118.486	TRUE	2.38E-26
FVC	GALNS	cg09308897	rs555812	G	T	-0.231	0.039	0.225	2.42E-09	0.001	0.003	0.737	0.010	35.582	TRUE	3.71E-09
FVC	GALNS	cg09308897	rs56401214	G	A	-1.559	0.089	0.022	3.42E-68	0.021	0.008	0.005	0.076	304.349	TRUE	8.10E-64
FVC	GALNS	cg09308897	rs62045845	G	T	-0.193	0.025	0.318	1.87E-14	-0.007	0.003	0.010	0.016	58.628	TRUE	1.95E-13
FVC	GALNS	cg09308897	rs71395331	G	C	0.537	0.087	0.035	8.00E-10	-0.003	0.006	0.599	0.010	37.741	TRUE	1.41E-09
FVC	GALNS	cg09308897	rs7199959	C	T	0.317	0.028	0.224	1.29E-29	0.009	0.003	0.003	0.033	127.657	TRUE	1.27E-27
FVC	GALNS	cg09308897	rs8048125	T	C	-0.187	0.025	0.308	1.84E-13	0.004	0.003	0.172	0.014	54.139	TRUE	7.15E-13
FVC	GALNS	cg09308897	rs8191469	T	G	-0.297	0.053	0.064	1.60E-08	0.002	0.005	0.662	0.009	31.907	TRUE	2.52E-08
FVC	GALNS	cg09807356	rs118132614	C	T	0.442	0.056	0.046	4.10E-15	-0.002	0.005	0.672	0.016	61.618	TRUE	9.09E-15
FVC	GALNS	cg09807356	rs12597751	T	G	0.174	0.026	0.303	1.80E-11	0.000	0.003	0.977	0.012	45.157	TRUE	2.54E-11
FVC	GALNS	cg09807356	rs12934499	T	C	0.594	0.027	0.256	8.61E-111	0.000	0.003	0.943	0.119	499.927	TRUE	4.13E-105

FVC	GALNS	cg09807356	rs141712769	C	T	0.412	0.063	0.040	5.97E-11	0.013	0.007	0.043	0.011	42.808	TRUE	2.85E-10
FVC	GALNS	cg09807356	rs142277106	C	G	0.497	0.054	0.051	3.86E-20	-0.002	0.005	0.781	0.022	84.447	TRUE	1.04E-19
FVC	GALNS	cg09807356	rs2306050	T	C	0.287	0.029	0.216	8.74E-23	0.007	0.003	0.020	0.025	96.490	TRUE	1.90E-21
FVC	GALNS	cg09807356	rs4782335	T	C	0.170	0.028	0.237	1.24E-09	0.009	0.003	0.003	0.010	36.891	TRUE	9.22E-09
FVC	GALNS	cg09807356	rs8049644	C	T	0.146	0.025	0.334	7.95E-09	0.004	0.003	0.085	0.009	33.268	TRUE	2.64E-08
FVC	GALNS	cg09807356	rs8050636	T	C	-0.222	0.032	0.162	2.21E-12	-0.008	0.003	0.019	0.013	49.264	TRUE	1.55E-11
FVC	GALNS	cg16582469	rs112256026	T	C	-0.288	0.052	0.055	3.90E-08	-0.018	0.005	3.78E-04	0.008	30.183	TRUE	3.01E-07
FVC	GALNS	cg16582469	rs11640595	T	C	0.873	0.062	0.042	3.10E-45	0.014	0.007	0.034	0.051	199.104	TRUE	7.79E-43
FVC	GALNS	cg16582469	rs11641448	C	T	-0.199	0.027	0.266	1.09E-13	-0.010	0.003	9.48E-05	0.015	55.177	TRUE	2.45E-12
FVC	GALNS	cg16582469	rs118132614	C	T	0.693	0.056	0.046	2.43E-35	-0.002	0.005	0.672	0.040	153.823	TRUE	2.42E-34
FVC	GALNS	cg16582469	rs2306050	T	C	0.418	0.029	0.216	2.97E-47	0.007	0.003	0.020	0.053	208.354	TRUE	1.35E-44
FVC	GALNS	cg16582469	rs258331	G	T	0.278	0.040	0.102	6.05E-12	0.012	0.004	0.003	0.013	47.287	TRUE	5.77E-11
FVC	GALNS	cg16582469	rs2911451	A	G	0.264	0.033	0.401	5.43E-16	0.000	0.003	0.957	0.017	65.598	TRUE	9.47E-16
FVC	GALNS	cg16582469	rs34278797	A	G	0.954	0.108	0.025	9.87E-19	0.001	0.007	0.901	0.021	78.044	TRUE	2.13E-18
FVC	GALNS	cg16582469	rs35432452	G	C	0.321	0.034	0.141	3.79E-21	0.010	0.003	0.004	0.024	89.031	TRUE	1.11E-19
FVC	GALNS	cg16582469	rs4782335	T	C	0.312	0.028	0.237	3.79E-29	0.009	0.003	0.003	0.033	125.517	TRUE	3.52E-27
FVC	GALNS	cg16582469	rs507540	A	G	-0.272	0.034	0.319	1.13E-15	-0.002	0.003	0.463	0.017	64.163	TRUE	3.29E-15
FVC	GALNS	cg16582469	rs555812	G	T	-0.226	0.039	0.225	5.16E-09	0.001	0.003	0.737	0.009	34.109	TRUE	7.79E-09
FVC	GALNS	cg16582469	rs559187	T	C	-0.293	0.044	0.164	2.17E-11	0.010	0.003	0.001	0.012	44.786	TRUE	2.21E-10
FVC	GALNS	cg16582469	rs62047770	A	C	-0.247	0.025	0.321	5.16E-23	-0.008	0.003	0.002	0.026	97.534	TRUE	2.26E-21
FVC	GALNS	cg16582469	rs71395331	G	C	0.560	0.087	0.035	1.34E-10	-0.003	0.006	0.599	0.011	41.220	TRUE	2.48E-10
FVC	GALNS	cg16582469	rs71395333	T	C	0.853	0.052	0.092	1.71E-59	-0.006	0.004	0.143	0.067	264.457	TRUE	1.25E-56
FVC	GALNS	cg16582469	rs7198060	C	T	0.173	0.028	0.242	4.79E-10	0.004	0.003	0.158	0.010	38.742	TRUE	1.47E-09
FVC	GALNS	cg16582469	rs725332	T	C	-0.234	0.039	0.099	1.30E-09	-0.002	0.004	0.630	0.010	36.787	TRUE	2.23E-09
FVC	GALNS	cg16582469	rs76098020	A	G	-0.332	0.053	0.055	4.79E-10	-0.001	0.005	0.868	0.010	38.741	TRUE	6.88E-10
FVC	GALNS	cg16582469	rs8049644	C	T	0.227	0.025	0.334	1.95E-19	0.004	0.003	0.085	0.021	81.244	TRUE	1.79E-18
FVC	GALNS	cg16582469	rs8050636	T	C	-0.411	0.031	0.162	1.92E-39	-0.008	0.003	0.019	0.045	172.585	TRUE	3.19E-37
FVC	GALNS	cg16582469	rs8191463	C	T	0.965	0.023	0.256	<1E-200	0.002	0.003	0.595	0.319	1732.568	TRUE	<1E-200
FVC	GALNS	cg16688112	rs28656031	G	A	-0.161	0.025	0.345	1.61E-10	0.005	0.003	0.073	0.011	40.873	TRUE	6.45E-10
FVC	GALNS	cg16688112	rs8059583	T	C	-0.669	0.085	0.027	3.26E-15	0.025	0.008	0.002	0.017	62.070	TRUE	5.35E-14
FVC	GALNS	cg16802439	rs3889834	C	T	0.168	0.027	0.262	3.53E-10	0.000	0.003	0.936	0.011	39.338	TRUE	4.84E-10
FVC	GALNS	cg20364025	rs12597726	A	G	0.150	0.026	0.307	6.70E-09	0.000	0.003	0.971	0.009	33.603	TRUE	8.56E-09
FVC	GALNS	cg20364025	rs13337256	G	A	0.378	0.027	0.259	1.05E-44	0.001	0.003	0.799	0.050	196.674	TRUE	2.13E-43
FVC	GALNS	cg20364025	rs140355859	T	C	0.335	0.055	0.051	8.41E-10	0.000	0.005	0.975	0.010	37.643	TRUE	1.11E-09
FVC	GALNS	cg20364025	rs2306050	T	C	0.184	0.029	0.216	3.34E-10	0.007	0.003	0.020	0.011	39.443	TRUE	1.80E-09
FVC	GALNS	cg26817641	rs1141390	G	A	-0.925	0.021	0.329	<1E-200	0.003	0.003	0.271	0.351	2002.328	TRUE	<1E-200
FVC	GALNS	cg26817641	rs11640595	T	C	-0.768	0.062	0.042	3.45E-35	0.014	0.007	0.034	0.040	153.123	TRUE	2.45E-33
FVC	GALNS	cg26817641	rs11641448	C	T	0.150	0.027	0.266	2.26E-08	-0.010	0.003	9.48E-05	0.008	31.242	TRUE	2.14E-07
FVC	GALNS	cg26817641	rs116971855	G	T	0.430	0.074	0.023	5.41E-09	0.025	0.007	6.23E-04	0.009	34.018	TRUE	4.56E-08
FVC	GALNS	cg26817641	rs118132614	C	T	-0.600	0.056	0.046	8.69E-27	-0.002	0.005	0.672	0.030	114.742	TRUE	4.24E-26
FVC	GALNS	cg26817641	rs144243016	G	A	-0.800	0.054	0.051	9.05E-50	-0.002	0.005	0.676	0.056	219.881	TRUE	3.98E-48
FVC	GALNS	cg26817641	rs2306050	T	C	-0.389	0.029	0.216	4.61E-41	0.007	0.003	0.020	0.046	180.000	TRUE	9.10E-39

FVC	GALNS	cg26817641	rs258331	G	T	-0.227	0.040	0.102	1.91E-08	0.012	0.004	0.003	0.008	31.569	TRUE	1.13E-07
FVC	GALNS	cg26817641	rs34060566	A	C	0.140	0.024	0.360	6.12E-09	-0.008	0.003	0.002	0.009	33.777	TRUE	4.22E-08
FVC	GALNS	cg26817641	rs34278797	A	G	-0.884	0.108	0.025	2.91E-16	0.001	0.007	0.901	0.018	66.830	TRUE	5.48E-16
FVC	GALNS	cg26817641	rs34387772	T	C	0.152	0.026	0.271	3.80E-09	-0.003	0.003	0.270	0.009	34.705	TRUE	8.85E-09
FVC	GALNS	cg26817641	rs35432452	G	C	-0.238	0.034	0.141	2.94E-12	0.010	0.003	0.004	0.013	48.704	TRUE	2.84E-11
FVC	GALNS	cg26817641	rs3743548	G	C	-0.720	0.055	0.055	2.86E-39	0.000	0.005	0.997	0.044	171.797	TRUE	2.47E-38
FVC	GALNS	cg26817641	rs4782509	T	C	0.186	0.024	0.379	1.20E-14	0.002	0.002	0.408	0.016	59.497	TRUE	3.54E-14
FVC	GALNS	cg26817641	rs550269	T	C	0.362	0.044	0.163	1.12E-16	0.010	0.003	0.002	0.018	68.708	TRUE	2.16E-15
FVC	GALNS	cg26817641	rs62047770	A	C	0.236	0.025	0.321	3.86E-21	-0.008	0.003	0.002	0.023	88.997	TRUE	1.33E-19
FVC	GALNS	cg26817641	rs71395331	G	C	-0.745	0.087	0.035	9.09E-18	-0.003	0.006	0.599	0.020	73.661	TRUE	2.59E-17
FVC	GALNS	cg26817641	rs7188277	C	T	-0.193	0.031	0.181	3.78E-10	0.000	0.003	0.969	0.010	39.201	TRUE	5.05E-10
FVC	GALNS	cg26817641	rs7499525	T	C	-0.296	0.028	0.239	1.41E-26	0.009	0.003	7.87E-04	0.030	113.783	TRUE	1.29E-24
FVC	GALNS	cg26817641	rs8048125	T	C	0.156	0.025	0.308	8.42E-10	0.004	0.003	0.172	0.010	37.640	TRUE	2.42E-09
FVC	GALNS	cg26817641	rs8049644	C	T	-0.227	0.025	0.334	2.06E-19	0.004	0.003	0.085	0.021	81.133	TRUE	1.89E-18
FVC	GALNS	cg26817641	rs8050636	T	C	0.385	0.031	0.162	1.26E-34	-0.008	0.003	0.019	0.039	150.556	TRUE	1.13E-32
FVC	GALNS	cg26817641	rs897958	G	A	-0.502	0.041	0.287	7.36E-35	-0.005	0.003	0.056	0.039	151.622	TRUE	4.06E-33
FVC	GALNS	cg26817641	rs9939260	G	C	0.175	0.029	0.193	1.09E-09	0.011	0.003	2.17E-04	0.010	37.128	TRUE	1.15E-08
FVC	GATA2	cg00241663	rs2253720	T	C	-0.144	0.023	0.458	7.96E-10	0.001	0.002	0.585	0.010	37.750	TRUE	1.42E-09
FVC	GATA2	cg00241663	rs62270949	T	C	-0.383	0.062	0.036	9.03E-10	0.016	0.006	0.013	0.010	37.503	TRUE	4.98E-09
FVC	GATA2	cg03839949	rs12494136	C	T	-0.166	0.026	0.277	3.84E-10	-0.004	0.003	0.120	0.010	39.172	TRUE	1.30E-09
FVC	GATA2	cg03839949	rs2713576	A	G	-0.170	0.024	0.422	9.43E-13	0.004	0.002	0.118	0.014	50.933	TRUE	3.94E-12
FVC	GATA2	cg03839949	rs73203424	T	C	-0.613	0.063	0.036	3.29E-22	0.016	0.006	0.013	0.025	93.869	TRUE	7.46E-21
FVC	GATA2	cg04535236	rs115516304	A	G	0.539	0.076	0.026	1.32E-12	0.007	0.007	0.324	0.013	50.269	TRUE	3.75E-12
FVC	GATA2	cg04535236	rs11713343	A	G	0.246	0.042	0.187	5.82E-09	0.001	0.003	0.711	0.009	33.876	TRUE	8.98E-09
FVC	GATA2	cg04535236	rs2659699	T	C	-0.342	0.024	0.383	7.10E-46	-0.002	0.002	0.384	0.052	202.038	TRUE	3.75E-44
FVC	GATA2	cg04535236	rs2811402	G	T	-0.149	0.024	0.459	2.83E-10	-0.004	0.002	0.065	0.011	39.767	TRUE	1.13E-09
FVC	GATA2	cg04535236	rs55683935	G	T	0.671	0.070	0.034	1.22E-21	0.004	0.006	0.479	0.024	91.272	TRUE	5.39E-21
FVC	GATA2	cg04535236	rs55686439	A	C	0.748	0.029	0.202	6.30E-147	0.003	0.003	0.301	0.153	665.962	TRUE	1.52E-136
FVC	GATA2	cg04535236	rs56165381	G	A	-0.219	0.024	0.379	1.06E-19	-0.005	0.002	0.063	0.022	82.441	TRUE	1.14E-18
FVC	GATA2	cg04535236	rs6439140	T	C	0.240	0.025	0.316	3.15E-21	0.002	0.003	0.380	0.024	89.396	TRUE	1.52E-20
FVC	GATA2	cg04535236	rs72983369	A	G	0.465	0.082	0.023	1.49E-08	-0.012	0.008	0.140	0.009	32.048	TRUE	4.12E-08
FVC	GATA2	cg04535236	rs78195106	T	A	0.392	0.064	0.040	8.26E-10	-0.001	0.006	0.896	0.010	37.676	TRUE	1.15E-09
FVC	GATA2	cg04535236	rs9819632	T	C	-0.239	0.042	0.082	1.20E-08	-0.003	0.004	0.539	0.009	32.472	TRUE	2.09E-08
FVC	GATA2	cg04535236	rs9854897	C	A	-0.246	0.030	0.199	1.31E-16	0.003	0.006	0.653	0.018	68.407	TRUE	3.26E-16
FVC	GATA2	cg06796779	rs7620408	T	C	-0.198	0.033	0.141	2.63E-09	-0.006	0.003	0.083	0.009	35.425	TRUE	9.13E-09
FVC	GATA2	cg07195926	rs7629791	A	G	-0.130	0.023	0.474	2.08E-08	0.005	0.002	0.040	0.008	31.404	TRUE	7.69E-08
FVC	GATA2	cg07841173	rs2713594	A	G	-0.306	0.023	0.419	9.67E-39	-0.003	0.002	0.293	0.044	169.376	TRUE	2.87E-37
FVC	GATA2	cg07841173	rs2713599	A	C	0.136	0.024	0.443	8.01E-09	-0.001	0.002	0.713	0.009	33.255	TRUE	1.23E-08
FVC	GATA2	cg07841173	rs2981027	T	A	-0.241	0.043	0.160	1.96E-08	-0.002	0.003	0.475	0.008	31.513	TRUE	3.58E-08
FVC	GATA2	cg07841173	rs34870876	G	C	0.351	0.050	0.061	2.49E-12	0.002	0.005	0.650	0.013	49.030	TRUE	4.82E-12
FVC	GATA2	cg07841173	rs72987210	T	C	-0.193	0.027	0.250	2.02E-12	-0.004	0.003	0.169	0.013	49.438	TRUE	7.50E-12
FVC	GATA2	cg07841173	rs73203424	T	C	-1.101	0.062	0.036	1.19E-69	0.016	0.006	0.013	0.078	311.042	TRUE	2.07E-65

FVC	GATA2	cg07841173	rs73862214	G	T	0.490	0.084	0.023	4.96E-09	-0.011	0.008	0.181	0.009	34.185	TRUE	1.33E-08
FVC	GATA2	cg13483882	rs4857909	A	G	0.212	0.037	0.113	8.82E-09	-0.003	0.004	0.448	0.009	33.068	TRUE	1.70E-08
FVC	GATA2	cg13483882	rs62270949	T	C	-0.406	0.063	0.036	1.01E-10	0.016	0.006	0.013	0.011	41.773	TRUE	6.26E-10
FVC	GATA2	cg13483882	rs7433900	A	G	0.226	0.030	0.194	2.79E-14	-0.004	0.003	0.219	0.015	57.843	TRUE	1.08E-13
FVC	GATA2	cg13483882	rs7629791	A	G	-0.322	0.023	0.474	4.05E-43	0.005	0.002	0.040	0.049	189.416	TRUE	7.09E-41
FVC	GATA2	cg15038286	rs115516304	A	G	0.590	0.076	0.026	8.38E-15	0.007	0.007	0.324	0.016	60.211	TRUE	2.79E-14
FVC	GATA2	cg15038286	rs2335660	T	G	0.298	0.025	0.337	2.09E-32	0.001	0.003	0.617	0.037	140.406	TRUE	1.73E-31
FVC	GATA2	cg15038286	rs2811366	G	T	0.130	0.024	0.442	4.21E-08	0.006	0.002	0.008	0.008	30.032	TRUE	2.04E-07
FVC	GATA2	cg15038286	rs3935016	T	C	0.260	0.025	0.318	7.77E-25	0.002	0.003	0.355	0.028	105.839	TRUE	5.38E-24
FVC	GATA2	cg15038286	rs55683935	G	T	0.585	0.070	0.034	9.37E-17	0.004	0.006	0.479	0.018	69.060	TRUE	2.91E-16
FVC	GATA2	cg15038286	rs55686439	A	C	0.752	0.029	0.202	2.10E-148	0.003	0.003	0.301	0.154	672.748	TRUE	7.59E-138
FVC	GATA2	cg15038286	rs56165381	G	A	-0.228	0.024	0.379	3.48E-21	-0.005	0.002	0.063	0.024	89.200	TRUE	4.34E-20
FVC	GATA2	cg15038286	rs72983369	A	G	0.492	0.082	0.023	2.06E-09	-0.012	0.008	0.140	0.010	35.895	TRUE	6.14E-09
FVC	GATA2	cg15038286	rs7627162	A	G	-0.203	0.035	0.121	9.03E-09	-0.002	0.004	0.624	0.009	33.022	TRUE	1.49E-08
FVC	GATA2	cg15038286	rs7629791	A	G	0.343	0.023	0.474	8.52E-49	0.005	0.002	0.040	0.055	215.418	TRUE	3.17E-46
FVC	GATA2	cg15038286	rs78195106	T	A	0.420	0.064	0.040	4.60E-11	-0.001	0.006	0.896	0.012	43.317	TRUE	6.78E-11
FVC	GATA2	cg15038286	rs9854897	C	A	-0.223	0.030	0.199	5.58E-14	0.003	0.006	0.653	0.015	56.484	TRUE	1.19E-13
FVC	GATA2	cg19638477	rs7629791	A	G	-0.143	0.024	0.474	1.38E-09	0.005	0.002	0.040	0.010	36.681	TRUE	5.79E-09
FVC	GATA2	cg22801992	rs2713576	A	G	-0.228	0.024	0.422	6.44E-22	0.004	0.002	0.118	0.024	92.540	TRUE	6.16E-21
FVC	GATA2	cg22801992	rs7611275	G	C	-0.428	0.064	0.035	2.36E-11	0.015	0.006	0.015	0.012	44.625	TRUE	1.52E-10
FVC	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	0.005	0.003	0.039	0.009	33.308	TRUE	3.02E-08
FVC	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	-0.010	0.004	0.027	0.008	30.032	TRUE	1.62E-07
FVC	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	0.000	0.003	0.921	0.009	32.422	TRUE	1.62E-08
FVC	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	-0.019	0.007	0.007	0.011	42.684	TRUE	4.55E-10
FVC	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	-0.001	0.002	0.795	0.013	48.719	TRUE	4.96E-12
FVC	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	-0.012	0.004	0.003	0.073	291.545	TRUE	3.63E-61
FVC	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	-0.001	0.008	0.928	0.010	36.633	TRUE	1.91E-09
FVC	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	0.001	0.003	0.679	0.010	36.929	TRUE	1.98E-09
FVC	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	-0.002	0.003	0.588	0.010	37.019	TRUE	2.06E-09
FVC	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	-0.003	0.002	0.160	0.008	30.384	TRUE	9.23E-08
FVC	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	-0.001	0.004	0.818	0.009	35.350	TRUE	3.94E-09
FVC	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	0.003	0.003	0.241	0.073	293.103	TRUE	1.09E-62
FVC	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	-0.001	0.003	0.758	0.012	46.222	TRUE	1.76E-11
FVC	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	-0.001	0.003	0.754	0.020	73.634	TRUE	2.22E-17
FVC	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	0.000	0.003	0.922	0.021	81.272	TRUE	4.24E-19
FVC	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	0.000	0.003	0.999	0.024	92.119	TRUE	1.85E-21
FVC	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	0.004	0.003	0.134	0.017	65.797	TRUE	2.58E-15
FVC	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	-0.011	0.004	0.015	0.012	44.362	TRUE	1.75E-10
FVC	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	0.001	0.002	0.663	0.017	64.427	TRUE	2.27E-15
FVC	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	0.001	0.002	0.640	0.013	49.592	TRUE	3.67E-12
FVC	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	-0.006	0.004	0.148	0.010	35.790	TRUE	6.45E-09
FVC	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	0.003	0.003	0.423	0.019	71.662	TRUE	8.62E-17

FVC	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	0.002	0.003	0.593	0.011	40.186	TRUE	4.15E-10
FVC	GATA4	cg12395012	rs11250153	C	G	-0.348	0.026	0.376	6.38E-41	-0.003	0.002	0.161	0.046	179.356	TRUE	3.85E-39
FVC	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	0.006	0.002	0.008	0.093	378.746	TRUE	7.83E-79
FVC	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	0.000	0.003	0.921	0.016	60.757	TRUE	1.11E-14
FVC	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	0.006	0.002	0.016	0.030	115.655	TRUE	2.11E-25
FVC	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	0.001	0.003	0.735	0.037	144.038	TRUE	2.55E-32
FVC	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	0.004	0.003	0.193	0.060	236.695	TRUE	4.61E-51
FVC	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	0.005	0.003	0.039	0.012	43.068	TRUE	2.55E-10
FVC	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	0.005	0.003	0.078	0.036	139.849	TRUE	9.37E-31
FVC	GATA4	cg12395012	rs17796285	C	G	0.256	0.026	0.373	1.70E-23	0.001	0.002	0.715	0.026	99.728	TRUE	6.25E-23
FVC	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	0.000	0.003	0.962	0.034	129.571	TRUE	2.06E-29
FVC	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	0.001	0.002	0.844	0.012	45.010	TRUE	3.06E-11
FVC	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.003	0.003	0.361	0.022	82.740	TRUE	4.14E-19
FVC	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	-0.001	0.003	0.702	0.023	88.204	TRUE	1.82E-20
FVC	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	0.003	0.002	0.248	0.378	2251.154	TRUE	<1E-200
FVC	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	-0.004	0.008	0.572	0.008	30.198	TRUE	6.37E-08
FVC	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	-0.002	0.004	0.549	0.016	58.439	TRUE	4.99E-14
FVC	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	-0.002	0.002	0.378	0.020	74.471	TRUE	2.39E-17
FVC	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.005	0.004	0.193	0.011	39.772	TRUE	8.18E-10
FVC	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	-0.002	0.003	0.472	0.026	99.007	TRUE	1.21E-22
FVC	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	0.010	0.005	0.040	0.018	66.474	TRUE	2.95E-15
FVC	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	0.002	0.005	0.687	0.014	50.905	TRUE	1.83E-12
FVC	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	-0.003	0.004	0.452	0.015	57.079	TRUE	1.09E-13
FVC	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	0.002	0.006	0.709	0.011	40.146	TRUE	3.89E-10
FVC	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.005	0.003	0.106	0.018	69.634	TRUE	4.45E-16
FVC	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	0.001	0.002	0.570	0.013	48.249	TRUE	7.78E-12
FVC	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	-0.004	0.003	0.278	0.014	52.642	TRUE	1.25E-12
FVC	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	0.000	0.003	0.922	0.037	142.044	TRUE	5.09E-32
FVC	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	0.003	0.003	0.426	0.039	152.064	TRUE	8.97E-34
FVC	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.005	0.003	0.101	0.009	32.887	TRUE	2.95E-08
FVC	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	0.000	0.005	0.980	0.008	30.231	TRUE	4.69E-08
FVC	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.001	0.003	0.649	0.055	213.953	TRUE	7.04E-47
FVC	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	-0.001	0.003	0.847	0.010	38.537	TRUE	7.78E-10
FVC	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	-0.004	0.002	0.073	0.013	48.501	TRUE	1.57E-11
FVC	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	0.000	0.003	0.921	0.037	141.186	TRUE	7.54E-32
FVC	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	-0.002	0.002	0.517	0.017	64.131	TRUE	3.08E-15
FVC	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	0.000	0.006	0.940	0.009	34.801	TRUE	4.75E-09
FVC	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	0.006	0.005	0.246	0.009	32.326	TRUE	3.03E-08
FVC	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	0.001	0.003	0.686	0.055	216.699	TRUE	1.75E-47
FVC	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	-0.005	0.005	0.365	0.008	29.788	TRUE	9.39E-08
FVC	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	0.000	0.003	0.894	0.012	45.412	TRUE	2.37E-11
FVC	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	-0.002	0.005	0.674	0.023	86.920	TRUE	3.49E-20

FVC	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	0.017	0.008	0.037	0.018	69.543	TRUE	6.79E-16
FVC	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	0.000	0.003	0.935	0.011	42.187	TRUE	1.16E-10
FVC	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	-0.002	0.003	0.467	0.013	49.055	TRUE	5.77E-12
FVC	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	-0.001	0.003	0.807	0.023	85.330	TRUE	6.46E-20
FVC	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	0.008	0.003	0.002	0.013	48.665	TRUE	3.20E-11
FVC	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.006	0.004	0.089	0.010	35.815	TRUE	7.23E-09
FVC	GATA4	cg13293535	rs17808884	C	A	-0.184	0.032	0.182	1.11E-08	-0.001	0.003	0.765	0.009	32.618	TRUE	1.62E-08
FVC	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	0.003	0.002	0.244	0.012	45.548	TRUE	4.35E-11
FVC	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	0.001	0.003	0.765	0.009	34.592	TRUE	6.03E-09
FVC	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	0.003	0.003	0.231	0.014	52.700	TRUE	1.31E-12
FVC	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	-0.002	0.003	0.587	0.011	41.898	TRUE	1.81E-10
FVC	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	-0.004	0.003	0.119	0.013	50.455	TRUE	5.04E-12
FVC	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	-0.006	0.004	0.199	0.009	32.861	TRUE	2.48E-08
FVC	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	0.001	0.002	0.663	0.100	412.571	TRUE	2.09E-87
FVC	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	0.001	0.002	0.640	0.017	62.753	TRUE	5.35E-15
FVC	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	0.001	0.003	0.768	0.009	34.832	TRUE	5.33E-09
FVC	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	0.003	0.003	0.359	0.008	30.565	TRUE	6.47E-08
FVC	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	-0.012	0.004	0.008	0.023	85.529	TRUE	4.79E-19
FVC	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	0.000	0.003	0.921	0.008	31.710	TRUE	2.28E-08
FVC	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	-0.009	0.005	0.061	0.017	62.917	TRUE	1.43E-14
FVC	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	0.002	0.003	0.595	0.010	38.618	TRUE	9.18E-10
FVC	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	0.000	0.003	0.964	0.019	70.206	TRUE	9.60E-17
FVC	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	-0.005	0.003	0.141	0.010	36.804	TRUE	3.93E-09
FVC	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	-0.001	0.002	0.772	0.136	581.132	TRUE	7.27E-121
FVC	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	-0.001	0.003	0.657	0.029	109.872	TRUE	4.62E-25
FVC	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	0.000	0.003	0.921	0.010	37.048	TRUE	1.57E-09
FVC	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	-0.001	0.003	0.765	0.020	73.921	TRUE	1.93E-17
FVC	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	0.002	0.003	0.539	0.015	57.528	TRUE	7.98E-14
FVC	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	-0.005	0.002	0.021	0.010	37.183	TRUE	5.41E-09
FVC	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	0.001	0.003	0.774	0.019	70.635	TRUE	9.49E-17
FVC	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	0.006	0.003	0.023	0.034	131.650	TRUE	8.86E-29
FVC	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	0.002	0.003	0.507	0.011	40.029	TRUE	4.85E-10
FVC	GATA4	cg16810626	rs17808884	C	A	0.247	0.032	0.182	1.51E-14	-0.001	0.003	0.765	0.016	59.058	TRUE	2.95E-14
FVC	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	-0.002	0.003	0.491	0.008	29.970	TRUE	7.60E-08
FVC	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	0.001	0.003	0.738	0.013	50.398	TRUE	2.23E-12
FVC	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	-0.004	0.003	0.117	0.016	60.009	TRUE	4.62E-14
FVC	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	-0.001	0.003	0.617	0.026	98.171	TRUE	1.51E-22
FVC	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	-0.002	0.003	0.587	0.010	36.247	TRUE	3.04E-09
FVC	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	0.002	0.004	0.646	0.011	40.016	TRUE	4.35E-10
FVC	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	0.000	0.003	0.941	0.012	44.473	TRUE	3.67E-11
FVC	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	-0.002	0.002	0.440	0.013	46.883	TRUE	1.71E-11
FVC	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	-0.001	0.003	0.602	0.018	68.221	TRUE	3.77E-16

FVC	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	0.003	0.003	0.258	0.027	100.891	TRUE	7.45E-23
FVC	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	0.004	0.003	0.199	0.015	57.157	TRUE	1.56E-13
FVC	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	0.004	0.003	0.134	0.024	91.679	TRUE	8.69E-21
FVC	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	-0.010	0.004	0.027	0.009	33.368	TRUE	3.17E-08
FVC	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	0.003	0.003	0.423	0.033	127.799	TRUE	1.10E-28
FVC	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	0.000	0.002	0.953	0.016	58.439	TRUE	3.34E-14
FVC	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	-0.011	0.004	0.008	0.017	63.574	TRUE	1.90E-14
FVC	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	0.003	0.002	0.234	0.010	38.738	TRUE	1.29E-09
FVC	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	-0.012	0.004	0.004	0.025	93.890	TRUE	1.10E-20
FVC	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	0.016	0.007	0.027	0.008	31.014	TRUE	1.01E-07
FVC	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	-0.005	0.004	0.179	0.015	56.164	TRUE	2.66E-13
FVC	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	0.001	0.005	0.774	0.012	43.321	TRUE	7.46E-11
FVC	GATA4	cg23916205	rs11250153	C	G	-0.205	0.026	0.376	5.34E-15	-0.003	0.002	0.161	0.016	61.098	TRUE	2.48E-14
FVC	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	0.002	0.002	0.393	0.009	34.839	TRUE	7.22E-09
FVC	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	-0.002	0.004	0.556	0.023	85.679	TRUE	7.33E-20
FVC	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	0.003	0.003	0.260	0.008	29.771	TRUE	1.05E-07
FVC	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	0.001	0.004	0.784	0.023	87.462	TRUE	2.35E-20
FVC	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	0.002	0.005	0.730	0.015	57.334	TRUE	7.24E-14
FVC	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	0.004	0.003	0.148	0.011	40.308	TRUE	6.96E-10
FVC	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	0.008	0.003	0.003	0.008	30.269	TRUE	2.20E-07
FVC	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	0.003	0.003	0.228	0.009	33.868	TRUE	1.44E-08
FVC	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.001	0.003	0.649	0.020	75.680	TRUE	8.96E-18
FVC	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	0.002	0.002	0.376	0.118	496.104	TRUE	1.36E-103
FVC	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	0.002	0.003	0.555	0.013	48.672	TRUE	6.43E-12
FVC	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	-0.002	0.003	0.352	0.014	51.402	TRUE	2.05E-12
FVC	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	-0.004	0.002	0.133	0.034	131.293	TRUE	4.35E-29
FVC	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	0.001	0.003	0.810	0.010	37.232	TRUE	1.55E-09
FVC	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	-0.003	0.003	0.278	0.012	45.839	TRUE	3.55E-11
FVC	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	-0.004	0.003	0.138	0.009	34.224	TRUE	1.40E-08
FVC	GATA4	cg23972785	rs12156238	C	G	0.270	0.048	0.179	2.18E-08	0.003	0.003	0.264	0.008	31.308	TRUE	4.87E-08
FVC	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	-0.002	0.003	0.497	0.009	32.265	TRUE	2.40E-08
FVC	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	0.001	0.002	0.775	0.014	51.868	TRUE	1.05E-12
FVC	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	-0.002	0.003	0.557	0.014	52.429	TRUE	9.72E-13
FVC	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	-0.001	0.003	0.820	0.011	39.564	TRUE	4.78E-10
FVC	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	0.003	0.005	0.600	0.009	33.664	TRUE	1.09E-08
FVC	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	-0.002	0.003	0.588	0.013	49.878	TRUE	3.39E-12
FVC	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	0.003	0.003	0.241	0.099	407.818	TRUE	7.62E-86
FVC	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	-0.003	0.007	0.611	0.016	60.509	TRUE	1.69E-14
FVC	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	-0.001	0.003	0.758	0.021	80.057	TRUE	9.11E-19
FVC	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	0.005	0.003	0.062	0.008	30.569	TRUE	1.07E-07
FVC	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	-0.001	0.003	0.754	0.021	77.680	TRUE	3.01E-18
FVC	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	0.000	0.003	0.922	0.023	87.101	TRUE	2.40E-20

FVC	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	0.007	0.002	0.007	0.010	35.513	TRUE	1.49E-08
FVC	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	0.000	0.003	0.999	0.035	134.159	TRUE	2.11E-30
FVC	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	0.006	0.003	0.022	0.029	109.329	TRUE	3.71E-24
FVC	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	-0.001	0.002	0.681	0.009	34.283	TRUE	7.53E-09
FVC	GCC2	cg01745370	rs10865026	G	A	-0.208	0.029	0.215	1.31E-12	-0.001	0.003	0.774	0.013	50.287	TRUE	2.29E-12
FVC	GCC2	cg01745370	rs12612761	G	A	0.951	0.019	0.400	<1E-200	-0.005	0.002	0.043	0.415	2623.400	TRUE	<1E-200
FVC	GCC2	cg01745370	rs13006511	C	T	-0.472	0.035	0.113	9.60E-41	0.014	0.004	2.34E-04	0.046	178.544	TRUE	9.17E-38
FVC	GCC2	cg01745370	rs144922799	A	G	0.443	0.080	0.023	2.86E-08	-0.017	0.008	0.031	0.008	30.783	TRUE	1.11E-07
FVC	GCC2	cg01745370	rs28491803	T	C	-0.365	0.032	0.155	1.35E-29	-0.002	0.003	0.585	0.033	127.572	TRUE	9.28E-29
FVC	GCC2	cg01745370	rs62151084	G	A	0.642	0.078	0.025	1.86E-16	0.003	0.008	0.687	0.018	67.714	TRUE	4.39E-16
FVC	GCC2	cg01745370	rs7595791	G	T	0.251	0.024	0.412	4.89E-26	0.003	0.002	0.217	0.029	111.319	TRUE	5.19E-25
FVC	GCC2	cg01745370	rs78778269	G	A	0.447	0.063	0.037	1.10E-12	-0.005	0.007	0.435	0.014	50.629	TRUE	2.72E-12
FVC	GCC2	cg02082929	rs10202541	A	T	-0.591	0.030	0.181	2.48E-85	-0.004	0.003	0.205	0.094	383.010	TRUE	8.39E-81
FVC	GCC2	cg02082929	rs10496417	A	G	0.151	0.024	0.374	4.98E-10	-0.004	0.002	0.142	0.010	38.665	TRUE	1.60E-09
FVC	GCC2	cg02082929	rs114452046	T	C	0.488	0.066	0.058	1.55E-13	0.002	0.006	0.655	0.015	54.476	TRUE	3.19E-13
FVC	GCC2	cg02082929	rs116340057	G	A	-0.691	0.084	0.035	1.36E-16	0.018	0.006	0.004	0.018	68.329	TRUE	2.35E-15
FVC	GCC2	cg02082929	rs142146413	G	A	-0.312	0.048	0.064	5.31E-11	0.000	0.005	0.993	0.012	43.036	TRUE	7.19E-11
FVC	GCC2	cg02082929	rs17036137	G	T	0.302	0.046	0.069	8.33E-11	-0.004	0.005	0.401	0.011	42.157	TRUE	1.90E-10
FVC	GCC2	cg02082929	rs1983395	G	C	-0.945	0.020	0.325	<1E-200	0.008	0.003	0.002	0.381	2274.723	TRUE	<1E-200
FVC	GCC2	cg02082929	rs2378108	T	C	0.542	0.071	0.028	1.88E-14	0.001	0.007	0.869	0.016	58.627	TRUE	3.34E-14
FVC	GCC2	cg02082929	rs260712	G	A	0.331	0.044	0.088	3.19E-14	0.000	0.004	0.959	0.015	57.582	TRUE	5.14E-14
FVC	GCC2	cg02082929	rs2718696	G	A	0.564	0.032	0.153	2.46E-71	-0.001	0.003	0.709	0.079	318.773	TRUE	1.76E-68
FVC	GCC2	cg02082929	rs35718535	T	C	-0.238	0.024	0.451	6.25E-24	-0.003	0.002	0.228	0.027	101.711	TRUE	5.27E-23
FVC	GCC2	cg02082929	rs62148790	C	T	-0.405	0.057	0.085	8.22E-13	0.002	0.005	0.658	0.014	51.201	TRUE	1.63E-12
FVC	GCC2	cg02082929	rs72826984	T	C	-0.202	0.033	0.142	1.40E-09	0.004	0.004	0.308	0.010	36.646	TRUE	3.23E-09
FVC	GCC2	cg02082929	rs76451498	C	T	0.542	0.037	0.115	6.51E-50	0.001	0.004	0.806	0.056	220.535	TRUE	2.29E-48
FVC	GCC2	cg02082929	rs78778269	G	A	0.409	0.063	0.037	6.83E-11	-0.005	0.007	0.435	0.011	42.545	TRUE	1.50E-10
FVC	GCC2	cg02082929	rs9646948	T	C	0.194	0.024	0.403	2.36E-16	0.002	0.002	0.415	0.018	67.241	TRUE	7.82E-16
FVC	GCC2	cg06161235	rs10210738	C	G	0.368	0.023	0.388	2.48E-57	-0.004	0.002	0.095	0.064	254.543	TRUE	1.78E-54
FVC	GCC2	cg06161235	rs2577603	C	T	-0.194	0.033	0.133	5.70E-09	0.000	0.003	0.970	0.009	33.916	TRUE	7.27E-09
FVC	GCC2	cg12433691	rs10779897	A	G	0.357	0.024	0.384	4.84E-51	-0.004	0.002	0.071	0.058	225.707	TRUE	1.83E-48
FVC	GCC2	cg12433691	rs2718697	C	T	-0.239	0.034	0.134	1.21E-12	0.000	0.003	0.956	0.013	50.442	TRUE	1.83E-12
FVC	GDNF	cg00712841	rs115383385	T	C	-0.588	0.093	0.018	3.06E-10	-0.008	0.009	0.399	0.011	39.616	TRUE	6.72E-10
FVC	GDNF	cg00712841	rs4533915	A	G	-0.168	0.030	0.194	1.91E-08	-0.003	0.003	0.395	0.008	31.569	TRUE	3.70E-08
FVC	GDNF	cg00712841	rs45455796	C	T	-0.769	0.076	0.028	2.31E-24	-0.004	0.007	0.547	0.027	103.682	TRUE	1.13E-23
FVC	GDNF	cg02331025	rs2910700	T	C	-0.301	0.043	0.086	2.43E-12	-0.005	0.004	0.198	0.013	49.078	TRUE	8.25E-12
FVC	GDNF	cg05330056	rs3096140	G	A	-0.201	0.025	0.321	1.82E-15	-0.001	0.003	0.684	0.017	63.219	TRUE	4.07E-15
FVC	GDNF	cg07309340	rs2910704	G	C	-0.144	0.025	0.322	1.03E-08	-0.008	0.003	0.002	0.009	32.775	TRUE	6.86E-08
FVC	GDNF	cg08307469	rs45455796	C	T	-0.546	0.076	0.028	5.63E-13	-0.004	0.007	0.547	0.014	51.945	TRUE	1.26E-12
FVC	GDNF	cg17383727	rs80198467	C	T	-0.387	0.069	0.034	1.98E-08	-0.006	0.007	0.367	0.008	31.496	TRUE	3.98E-08
FVC	GDNF	cg19622474	rs77210937	G	C	-0.399	0.069	0.034	5.94E-09	-0.005	0.007	0.452	0.009	33.835	TRUE	1.14E-08
FVC	GDNF	cg23400942	rs74843650	T	C	-0.431	0.069	0.033	3.29E-10	-0.007	0.007	0.329	0.011	39.470	TRUE	7.80E-10

FVC	GDNF	cg24813562	rs1019495	T	A	0.173	0.025	0.333	3.19E-12	-0.008	0.003	0.001	0.013	48.541	TRUE	3.77E-11
FVC	GDNF	cg24813562	rs3812047	T	C	0.469	0.033	0.142	1.27E-44	-0.012	0.003	3.15E-04	0.050	196.302	TRUE	2.11E-41
FVC	GDNF	cg26559974	rs10941367	A	G	-0.131	0.023	0.476	2.04E-08	0.000	0.002	0.859	0.008	31.443	TRUE	2.75E-08
FVC	GDNF	cg26559974	rs115383385	T	C	-0.541	0.092	0.018	4.63E-09	-0.008	0.009	0.399	0.009	34.320	TRUE	9.42E-09
FVC	GDNF	cg26559974	rs11740052	T	C	0.310	0.039	0.101	2.21E-15	-0.015	0.004	1.10E-04	0.017	62.830	TRUE	6.34E-14
FVC	GDNF	cg26559974	rs80198467	C	T	-0.557	0.069	0.034	5.71E-16	-0.006	0.007	0.367	0.017	65.498	TRUE	1.94E-15
FVC	GFAP	cg02407342	rs8067029	G	T	-0.258	0.037	0.116	2.66E-12	-0.005	0.004	0.147	0.013	48.900	TRUE	1.02E-11
FVC	GFAP	cg07167554	rs2289674	G	A	0.157	0.029	0.202	3.71E-08	0.001	0.003	0.656	0.008	30.278	TRUE	5.81E-08
FVC	GFAP	cg07918341	rs17546654	A	G	-0.224	0.034	0.151	3.95E-11	0.015	0.003	5.40E-06	0.012	43.613	TRUE	9.23E-10
FVC	GFAP	cg10855825	rs8067029	G	T	-0.261	0.036	0.116	7.90E-13	-0.005	0.004	0.147	0.014	51.280	TRUE	3.17E-12
FVC	GFAP	cg16343401	rs117250203	T	G	-0.693	0.113	0.012	8.18E-10	0.035	0.012	0.003	0.010	37.696	TRUE	6.04E-09
FVC	GFAP	cg16343401	rs12150247	G	C	0.224	0.041	0.083	4.73E-08	0.011	0.004	0.011	0.008	29.808	TRUE	2.13E-07
FVC	GFAP	cg16343401	rs12602860	T	C	0.184	0.026	0.306	6.37E-13	0.002	0.003	0.482	0.014	51.702	TRUE	1.51E-12
FVC	GFAP	cg16343401	rs12944434	G	A	0.180	0.024	0.497	1.76E-14	-0.001	0.002	0.680	0.016	58.752	TRUE	3.82E-14
FVC	GFAP	cg16343401	rs143814916	C	A	-0.424	0.067	0.031	2.47E-10	0.005	0.007	0.451	0.011	40.034	TRUE	5.15E-10
FVC	GFAP	cg16343401	rs144535065	A	G	-0.367	0.057	0.039	1.65E-10	-0.009	0.006	0.107	0.011	40.820	TRUE	5.91E-10
FVC	GFAP	cg16343401	rs144647217	A	G	-0.251	0.034	0.135	1.54E-13	0.009	0.003	0.006	0.015	54.492	TRUE	1.61E-12
FVC	GFAP	cg16343401	rs2070935	T	G	-0.370	0.024	0.420	4.25E-54	0.003	0.002	0.288	0.061	239.715	TRUE	7.79E-52
FVC	GFAP	cg16343401	rs2289681	T	C	0.527	0.034	0.128	5.53E-54	0.004	0.004	0.239	0.061	239.190	TRUE	1.21E-51
FVC	GFAP	cg16343401	rs4792948	T	C	-0.256	0.038	0.116	2.64E-11	0.004	0.004	0.259	0.012	44.403	TRUE	7.50E-11
FVC	GFAP	cg16343401	rs6503401	C	G	0.145	0.024	0.406	1.41E-09	-0.006	0.002	0.015	0.010	36.635	TRUE	7.34E-09
FVC	GFAP	cg16343401	rs6503409	T	C	0.211	0.025	0.349	9.50E-18	0.004	0.002	0.115	0.020	73.574	TRUE	6.63E-17
FVC	GFAP	cg16343401	rs713101	A	G	0.229	0.023	0.436	1.61E-22	-0.003	0.002	0.168	0.025	95.278	TRUE	1.40E-21
FVC	GFAP	cg16343401	rs72826852	A	G	-0.266	0.037	0.121	5.07E-13	0.007	0.004	0.071	0.014	52.151	TRUE	2.60E-12
FVC	GFAP	cg16343401	rs79588955	C	G	-0.409	0.039	0.096	1.56E-25	0.006	0.004	0.141	0.029	109.015	TRUE	1.93E-24
FVC	GFAP	cg16343401	rs8067029	G	T	-0.769	0.036	0.116	5.08E-101	-0.005	0.004	0.147	0.110	455.050	TRUE	5.53E-95
FVC	GFAP	cg17265120	rs8073674	C	A	0.209	0.037	0.116	1.66E-08	0.000	0.004	0.913	0.009	31.840	TRUE	2.17E-08
FVC	GFAP	cg18208742	rs76566528	A	G	-0.211	0.033	0.156	1.45E-10	0.015	0.003	6.28E-06	0.011	41.070	TRUE	3.09E-09
FVC	GFAP	cg20911989	rs112023302	A	G	0.232	0.038	0.102	8.48E-10	0.002	0.004	0.571	0.010	37.625	TRUE	1.54E-09
FVC	GFAP	cg20911989	rs11657244	T	C	-0.195	0.034	0.143	7.80E-09	0.003	0.003	0.383	0.009	33.307	TRUE	1.59E-08
FVC	GFAP	cg20911989	rs12449792	T	C	0.204	0.024	0.448	4.24E-18	-0.008	0.002	5.03E-04	0.020	75.165	TRUE	1.35E-16
FVC	GFAP	cg20911989	rs12602860	T	C	0.155	0.026	0.306	1.19E-09	0.002	0.003	0.482	0.010	36.974	TRUE	2.29E-09
FVC	GFAP	cg20911989	rs2070935	T	G	-0.309	0.024	0.420	5.73E-38	0.003	0.002	0.288	0.043	165.842	TRUE	1.57E-36
FVC	GFAP	cg20911989	rs2289681	T	C	0.500	0.034	0.128	1.37E-48	0.004	0.004	0.239	0.055	214.466	TRUE	1.50E-46
FVC	GFAP	cg20911989	rs56908739	T	C	-0.597	0.037	0.114	1.72E-59	-0.005	0.004	0.138	0.067	264.439	TRUE	1.31E-56
FVC	GFAP	cg20911989	rs6503409	T	C	0.170	0.025	0.349	4.54E-12	0.004	0.002	0.115	0.013	47.852	TRUE	1.89E-11
FVC	GFAP	cg20911989	rs7217422	C	G	-0.226	0.033	0.161	4.35E-12	0.008	0.003	0.020	0.013	47.932	TRUE	2.83E-11
FVC	GFAP	cg20911989	rs72826870	C	G	-0.220	0.037	0.119	3.13E-09	0.006	0.004	0.089	0.009	35.082	TRUE	1.04E-08
FVC	GFAP	cg20911989	rs73309596	T	C	-0.387	0.046	0.068	8.64E-17	0.006	0.005	0.184	0.018	69.220	TRUE	4.39E-16
FVC	GFAP	cg21601845	rs2070935	T	G	-0.152	0.024	0.420	1.78E-10	0.003	0.002	0.288	0.011	40.670	TRUE	4.49E-10
FVC	GFAP	cg23016243	rs144535065	A	G	0.400	0.057	0.039	2.79E-12	-0.009	0.006	0.107	0.013	48.806	TRUE	1.17E-11
FVC	GFAP	cg23016243	rs67419793	G	T	0.532	0.037	0.114	1.54E-47	-0.005	0.004	0.138	0.054	209.657	TRUE	2.32E-45

FVC	GFAP	cg23016243	rs7207047	A	G	0.133	0.024	0.395	3.57E-08	-0.003	0.002	0.205	0.008	30.353	TRUE	8.50E-08
FVC	GFAP	cg23016243	rs72824797	T	C	0.186	0.032	0.156	5.60E-09	0.003	0.003	0.410	0.009	33.951	TRUE	1.11E-08
FVC	GFAP	cg23016243	rs758020	C	A	-0.243	0.038	0.112	2.40E-10	0.000	0.004	0.948	0.011	40.088	TRUE	3.27E-10
FVC	GFAP	cg23242944	rs744281	A	G	-0.137	0.024	0.407	1.11E-08	0.004	0.002	0.071	0.009	32.613	TRUE	3.71E-08
FVC	GGA1	cg04984879	rs7285814	A	G	0.270	0.031	0.165	3.91E-18	0.012	0.003	1.02E-04	0.020	75.327	TRUE	1.75E-16
FVC	GGA1	cg07064364	rs761336	C	A	-0.160	0.023	0.480	3.02E-12	-0.002	0.002	0.459	0.013	48.652	TRUE	7.07E-12
FVC	GGA1	cg21268578	rs12710562	G	A	-0.208	0.032	0.164	4.10E-11	-0.006	0.003	0.059	0.012	43.541	TRUE	1.86E-10
FVC	GLS	cg03661409	rs1546646	A	G	0.162	0.024	0.383	2.63E-11	-0.002	0.002	0.422	0.012	44.413	TRUE	5.99E-11
FVC	GLS	cg21497043	rs11894425	C	T	-0.261	0.023	0.408	1.10E-29	-0.006	0.002	0.008	0.033	127.973	TRUE	7.42E-28
FVC	GNAI2	cg17641710	rs41291724	G	C	-0.341	0.041	0.089	5.95E-17	-0.012	0.004	0.002	0.019	69.954	TRUE	1.14E-15
FVC	GNAI3	cg08644463	rs11101980	G	T	0.228	0.024	0.394	2.22E-21	0.002	0.002	0.430	0.024	90.094	TRUE	1.03E-20
FVC	GNAI3	cg08644463	rs1149177	G	A	-0.166	0.024	0.481	2.02E-12	0.002	0.002	0.326	0.013	49.433	TRUE	5.56E-12
FVC	GNAI3	cg08644463	rs115455243	C	T	-0.642	0.089	0.021	4.67E-13	-0.004	0.008	0.628	0.014	52.311	TRUE	9.64E-13
FVC	GNAI3	cg08644463	rs2282292	C	G	-0.323	0.034	0.137	6.55E-21	0.002	0.003	0.491	0.023	87.950	TRUE	2.71E-20
FVC	GNAI3	cg08644463	rs2483920	T	G	0.227	0.036	0.125	1.90E-10	-0.007	0.004	0.060	0.011	40.549	TRUE	7.97E-10
FVC	GNAI3	cg08644463	rs4571992	T	G	-0.245	0.026	0.258	2.05E-20	0.000	0.003	0.929	0.023	85.699	TRUE	4.67E-20
FVC	GNAI3	cg08644463	rs6692804	A	G	-0.893	0.026	0.183	9.00E-259	-0.008	0.003	0.008	0.242	1180.180	TRUE	1.65E-229
FVC	GNAI3	cg08644463	rs72703284	T	C	-0.666	0.074	0.030	1.91E-19	0.006	0.007	0.335	0.022	81.288	TRUE	8.90E-19
FVC	GNAI3	cg17861481	rs17024249	G	T	-0.505	0.073	0.023	6.31E-12	-0.007	0.008	0.365	0.013	47.205	TRUE	1.61E-11
FVC	GNPTAB	cg01687189	rs10778127	G	A	0.205	0.031	0.164	6.77E-11	0.001	0.003	0.808	0.011	42.562	TRUE	1.07E-10
FVC	GNPTAB	cg01687189	rs10860758	T	G	0.144	0.025	0.334	9.34E-09	0.001	0.003	0.724	0.009	32.956	TRUE	1.42E-08
FVC	GNPTAB	cg01687189	rs11111017	C	T	0.302	0.031	0.182	1.22E-22	0.004	0.003	0.196	0.025	95.825	TRUE	9.92E-22
FVC	GNPTAB	cg01687189	rs11111055	C	T	0.390	0.040	0.090	1.95E-22	0.005	0.004	0.270	0.025	94.903	TRUE	1.30E-21
FVC	GNPTAB	cg01687189	rs11111098	T	C	0.183	0.031	0.180	2.86E-09	-0.003	0.003	0.381	0.009	35.261	TRUE	5.98E-09
FVC	GNPTAB	cg01687189	rs112892793	T	C	0.434	0.074	0.024	3.83E-09	-0.017	0.008	0.033	0.009	34.688	TRUE	1.61E-08
FVC	GNPTAB	cg01687189	rs116925784	G	T	0.326	0.060	0.040	4.84E-08	-0.010	0.007	0.133	0.008	29.765	TRUE	1.29E-07
FVC	GNPTAB	cg01687189	rs12313062	A	G	0.315	0.028	0.218	5.04E-29	-0.005	0.003	0.104	0.033	124.952	TRUE	1.01E-27
FVC	GNPTAB	cg01687189	rs12582545	C	G	0.258	0.039	0.106	2.30E-11	0.005	0.004	0.193	0.012	44.675	TRUE	7.32E-11
FVC	GNPTAB	cg01687189	rs17436238	T	C	-0.291	0.046	0.070	3.48E-10	0.001	0.005	0.849	0.011	39.361	TRUE	5.15E-10
FVC	GNPTAB	cg01687189	rs2241553	G	T	0.168	0.025	0.329	2.33E-11	0.000	0.003	0.870	0.012	44.647	TRUE	3.55E-11
FVC	GNPTAB	cg01687189	rs73163704	A	T	-0.351	0.054	0.046	6.30E-11	0.003	0.006	0.641	0.011	42.701	TRUE	1.14E-10
FVC	GNPTAB	cg01687189	rs9668831	A	C	0.233	0.024	0.382	7.31E-22	0.001	0.003	0.581	0.024	92.286	TRUE	2.85E-21
FVC	GNPTAB	cg03756485	rs11830792	C	T	-0.436	0.026	0.288	1.48E-65	0.003	0.003	0.288	0.073	292.257	TRUE	1.33E-62
FVC	GNPTAB	cg03756485	rs17724970	G	A	0.329	0.044	0.081	1.09E-13	0.013	0.004	0.004	0.015	55.173	TRUE	1.24E-12
FVC	GNPTAB	cg03756485	rs66467657	A	G	-0.196	0.035	0.127	2.11E-08	0.001	0.004	0.782	0.008	31.374	TRUE	3.03E-08
FVC	GNPTAB	cg17214456	rs10778142	C	A	-0.162	0.027	0.257	2.84E-09	0.002	0.003	0.465	0.009	35.275	TRUE	5.51E-09
FVC	GNPTAB	cg17214456	rs11111088	C	T	0.200	0.023	0.477	1.21E-17	0.000	0.002	0.960	0.019	73.089	TRUE	2.31E-17
FVC	GNPTAB	cg17214456	rs111923673	C	T	-0.413	0.059	0.043	3.92E-12	0.012	0.006	0.034	0.013	48.137	TRUE	2.25E-11
FVC	GNPTAB	cg17214456	rs11830792	C	T	-0.268	0.026	0.288	2.51E-25	0.003	0.003	0.288	0.028	108.078	TRUE	2.03E-24
FVC	GNPTAB	cg17214456	rs61938211	T	C	-0.694	0.030	0.166	5.32E-116	0.009	0.003	0.005	0.124	523.856	TRUE	2.28E-107
FVC	GNPTAB	cg17214456	rs7308665	A	G	-0.214	0.027	0.243	2.80E-15	-0.001	0.003	0.703	0.017	62.372	TRUE	6.05E-15
FVC	GNPTAB	cg17214456	rs7979925	C	A	-0.146	0.024	0.460	8.22E-10	0.007	0.002	0.005	0.010	37.687	TRUE	5.59E-09

FVC	GNPTAB	cg23541617	rs10778128	G	A	0.204	0.031	0.165	6.89E-11	0.001	0.003	0.811	0.011	42.528	TRUE	1.07E-10
FVC	GNPTAB	cg23541617	rs10860758	T	G	0.141	0.025	0.334	1.74E-08	0.001	0.003	0.724	0.009	31.747	TRUE	2.62E-08
FVC	GNPTAB	cg23541617	rs10860774	A	G	-0.773	0.020	0.467	<1E-200	0.001	0.002	0.661	0.287	1485.554	TRUE	7.72E-286
FVC	GNPTAB	cg23541617	rs11111055	C	T	0.484	0.040	0.090	7.15E-34	0.005	0.004	0.270	0.038	147.106	TRUE	1.37E-32
FVC	GNPTAB	cg23541617	rs11111098	T	C	0.292	0.031	0.180	1.55E-21	-0.003	0.003	0.381	0.024	90.795	TRUE	7.83E-21
FVC	GNPTAB	cg23541617	rs17436238	T	C	-0.399	0.046	0.070	6.35E-18	0.001	0.005	0.849	0.020	74.370	TRUE	1.39E-17
FVC	GNPTAB	cg23541617	rs1980236	G	A	-0.146	0.023	0.487	4.06E-10	-0.002	0.002	0.418	0.010	39.063	TRUE	8.58E-10
FVC	GNPTAB	cg23541617	rs2241553	G	T	0.205	0.025	0.329	3.22E-16	0.000	0.003	0.870	0.018	66.627	TRUE	6.24E-16
FVC	GNPTAB	cg23541617	rs34555394	G	A	-0.287	0.048	0.058	1.56E-09	0.012	0.005	0.013	0.010	36.443	TRUE	8.40E-09
FVC	GNPTAB	cg23541617	rs4764656	A	G	0.444	0.035	0.123	8.11E-37	-0.010	0.004	0.007	0.042	160.576	TRUE	1.36E-34
FVC	GNPTAB	cg23541617	rs73163704	A	T	-0.508	0.054	0.046	2.96E-21	0.003	0.006	0.641	0.024	89.520	TRUE	1.01E-20
FVC	GNPTAB	cg23541617	rs73168318	A	G	0.456	0.039	0.099	5.69E-31	0.000	0.004	0.937	0.035	133.847	TRUE	2.67E-30
FVC	GNPTAB	cg23541617	rs7975428	A	C	0.266	0.031	0.176	5.95E-18	-0.005	0.003	0.141	0.020	74.496	TRUE	3.68E-17
FVC	GNPTAB	cg23541617	rs7978834	C	G	0.339	0.029	0.198	3.80E-31	0.003	0.003	0.282	0.035	134.648	TRUE	5.39E-30
FVC	GNS	cg00626466	rs61932682	G	C	0.299	0.051	0.104	3.96E-09	0.004	0.004	0.317	0.009	34.626	TRUE	8.83E-09
FVC	GNS	cg18624581	rs17764405	T	C	-0.461	0.069	0.074	2.07E-11	0.006	0.004	0.146	0.012	44.880	TRUE	7.17E-11
FVC	GNS	cg27476482	rs2620719	G	A	0.189	0.024	0.407	9.36E-16	0.007	0.002	0.003	0.017	64.526	TRUE	1.44E-14
FVC	GPX1	cg02758552	rs13066140	C	T	0.211	0.036	0.115	5.82E-09	0.005	0.004	0.212	0.009	33.877	TRUE	1.46E-08
FVC	GPX1	cg02758552	rs73082914	T	C	0.241	0.043	0.078	1.72E-08	0.017	0.004	7.66E-05	0.009	31.772	TRUE	1.75E-07
FVC	GPX1	cg02758552	rs9858280	C	T	0.341	0.025	0.318	1.12E-43	0.013	0.003	5.87E-07	0.049	191.970	TRUE	1.04E-39
FVC	GPX1	cg05055782	rs200470784	T	C	0.299	0.049	0.061	9.69E-10	0.004	0.005	0.429	0.010	37.367	TRUE	1.98E-09
FVC	GPX1	cg05055782	rs6773518	A	C	0.254	0.023	0.448	2.65E-27	-0.004	0.002	0.086	0.031	117.096	TRUE	5.05E-26
FVC	GPX1	cg05055782	rs73082363	C	T	-0.194	0.035	0.128	3.40E-08	0.010	0.004	0.004	0.008	30.448	TRUE	1.91E-07
FVC	GPX1	cg05551922	rs4974078	T	C	0.169	0.023	0.500	4.39E-13	0.001	0.002	0.690	0.014	52.434	TRUE	8.52E-13
FVC	GPX1	cg05551922	rs9878943	A	G	-0.252	0.025	0.314	1.91E-23	0.012	0.003	1.11E-06	0.026	99.499	TRUE	5.00E-21
FVC	GPX1	cg07274523	rs141260127	T	C	0.315	0.055	0.049	8.73E-09	0.008	0.006	0.190	0.009	33.086	TRUE	2.25E-08
FVC	GPX1	cg07274523	rs35761247	A	G	0.294	0.049	0.065	1.73E-09	0.005	0.005	0.356	0.010	36.239	TRUE	3.78E-09
FVC	GPX1	cg07274523	rs6446277	A	G	0.417	0.025	0.314	6.13E-65	0.013	0.003	8.96E-07	0.073	289.426	TRUE	2.62E-59
FVC	GPX1	cg07274523	rs7627910	C	T	-0.142	0.024	0.458	2.33E-09	-0.011	0.002	4.17E-06	0.010	35.656	TRUE	3.82E-08
FVC	GPX1	cg07274523	rs7640031	C	G	0.314	0.052	0.054	1.77E-09	0.001	0.005	0.880	0.010	36.193	TRUE	2.47E-09
FVC	GPX1	cg07274523	rs990211	A	G	-0.207	0.030	0.176	5.31E-12	-0.009	0.003	0.002	0.013	47.544	TRUE	5.46E-11
FVC	GPX1	cg18642234	rs1046953	T	C	-0.147	0.024	0.424	7.29E-10	0.007	0.002	0.005	0.010	37.920	TRUE	4.88E-09
FVC	GPX1	cg18642234	rs112837936	A	G	-0.310	0.039	0.101	2.49E-15	0.011	0.004	0.004	0.017	62.596	TRUE	3.46E-14
FVC	GPX1	cg18642234	rs114738417	A	G	0.458	0.061	0.039	8.73E-14	0.004	0.007	0.515	0.015	55.603	TRUE	2.12E-13
FVC	GPX1	cg18642234	rs116608907	T	C	-0.352	0.056	0.040	4.35E-10	0.006	0.006	0.354	0.010	38.930	TRUE	9.97E-10
FVC	GPX1	cg18642234	rs4855877	C	T	0.380	0.023	0.450	6.49E-60	-0.004	0.002	0.089	0.067	266.382	TRUE	6.79E-57
FVC	GPX1	cg18642234	rs75339099	G	A	0.319	0.050	0.056	2.08E-10	-0.009	0.005	0.070	0.011	40.369	TRUE	8.28E-10
FVC	GPX1	cg18642234	rs7615170	C	G	0.276	0.043	0.079	1.72E-10	-0.006	0.004	0.173	0.011	40.739	TRUE	5.28E-10
FVC	GPX1	cg18642234	rs78807522	A	C	-0.280	0.035	0.129	1.38E-15	0.010	0.004	0.004	0.017	63.757	TRUE	2.00E-14
FVC	GPX1	cg24011261	rs11716974	A	G	-0.304	0.025	0.314	1.35E-33	0.012	0.003	1.10E-06	0.038	145.843	TRUE	1.93E-30
FVC	GPX1	cg24011261	rs4974078	T	C	0.179	0.023	0.500	1.33E-14	0.001	0.002	0.690	0.016	59.299	TRUE	2.82E-14
FVC	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	0.002	0.003	0.397	0.022	83.004	TRUE	3.44E-19

FVC	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	-0.004	0.011	0.681	0.020	74.243	TRUE	1.77E-17
FVC	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	-0.005	0.009	0.557	0.016	59.557	TRUE	2.87E-14
FVC	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	-0.005	0.003	0.064	0.012	45.037	TRUE	8.67E-11
FVC	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	0.003	0.003	0.367	0.011	42.892	TRUE	1.37E-10
FVC	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	0.004	0.003	0.147	0.038	145.486	TRUE	4.63E-32
FVC	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	0.004	0.003	0.191	0.008	30.518	TRUE	8.13E-08
FVC	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	0.006	0.005	0.243	0.042	163.312	TRUE	6.14E-36
FVC	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	-0.006	0.002	0.015	0.020	75.784	TRUE	4.55E-17
FVC	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	-0.003	0.002	0.194	0.014	52.136	TRUE	1.86E-12
FVC	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	0.012	0.004	0.003	0.014	52.275	TRUE	5.32E-12
FVC	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.009	0.004	0.041	0.010	38.182	TRUE	2.75E-09
FVC	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	-0.003	0.002	0.194	0.031	118.611	TRUE	1.61E-26
FVC	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	0.006	0.003	0.076	0.024	91.445	TRUE	1.28E-20
FVC	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.001	0.007	0.828	0.010	36.121	TRUE	2.65E-09
FVC	GSDMA	cg24910161	rs11871317	G	C	0.215	0.038	0.246	1.20E-08	0.009	0.003	0.001	0.009	32.462	TRUE	8.60E-08
FVC	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	0.006	0.003	0.100	0.023	88.537	TRUE	4.59E-20
FVC	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	-0.004	0.002	0.107	0.011	41.141	TRUE	4.95E-10
FVC	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	-0.012	0.003	1.06E-05	0.041	159.157	TRUE	2.12E-33
FVC	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	-0.002	0.002	0.354	0.044	170.791	TRUE	1.31E-37
FVC	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	0.001	0.002	0.787	0.320	1739.419	TRUE	<1E-200
FVC	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	-0.008	0.004	0.052	0.017	62.193	TRUE	2.13E-14
FVC	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	0.002	0.006	0.770	0.013	50.514	TRUE	2.07E-12
FVC	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	0.011	0.003	4.00E-05	0.034	128.558	TRUE	2.46E-27
FVC	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.017	0.004	3.09E-05	0.033	127.851	TRUE	3.73E-27
FVC	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	-0.013	0.008	0.122	0.008	29.958	TRUE	1.21E-07
FVC	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	0.006	0.003	0.076	0.022	84.446	TRUE	3.80E-19
FVC	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.001	0.007	0.828	0.011	40.041	TRUE	3.70E-10
FVC	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	0.006	0.003	0.100	0.020	76.836	TRUE	1.35E-17
FVC	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	-0.012	0.003	1.06E-05	0.047	181.852	TRUE	5.22E-38
FVC	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	-0.002	0.002	0.354	0.055	213.970	TRUE	1.42E-46
FVC	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	0.001	0.002	0.787	0.282	1451.768	TRUE	2.74E-280
FVC	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.013	0.003	3.14E-05	0.032	124.005	TRUE	2.48E-26
FVC	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	-0.008	0.004	0.052	0.014	52.543	TRUE	2.34E-12
FVC	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	0.002	0.006	0.770	0.015	56.822	TRUE	8.97E-14
FVC	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	0.011	0.003	4.00E-05	0.036	138.804	TRUE	1.97E-29
FVC	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	-0.009	0.008	0.229	0.008	30.737	TRUE	6.87E-08
FVC	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.017	0.006	0.004	0.014	52.132	TRUE	5.26E-12
FVC	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	-0.001	0.007	0.828	0.008	30.488	TRUE	4.56E-08
FVC	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	0.008	0.003	0.004	0.009	32.948	TRUE	5.80E-08
FVC	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	0.010	0.004	0.020	0.009	32.601	TRUE	4.94E-08
FVC	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	0.006	0.003	0.045	0.011	41.116	TRUE	6.46E-10
FVC	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	-0.001	0.002	0.710	0.012	46.247	TRUE	1.84E-11

FVC	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	-0.005	0.002	0.020	0.099	407.381	TRUE	8.67E-85
FVC	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	-0.012	0.005	0.008	0.011	40.532	TRUE	1.26E-09
FVC	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.013	0.004	2.01E-04	0.017	64.042	TRUE	3.17E-14
FVC	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	0.004	0.002	0.063	0.009	31.956	TRUE	5.48E-08
FVC	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	0.018	0.006	0.003	0.014	52.347	TRUE	5.31E-12
FVC	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	0.004	0.003	0.186	0.009	32.697	TRUE	2.71E-08
FVC	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	0.010	0.003	0.004	0.010	36.314	TRUE	1.13E-08
FVC	GSDMB	cg27435903	rs36095411	G	T	-0.364	0.023	0.485	5.03E-56	0.003	0.002	0.181	0.063	248.547	TRUE	1.87E-53
FVC	GSDMC	cg05316065	rs57586672	T	C	-0.159	0.029	0.202	4.94E-08	-0.001	0.003	0.743	0.008	29.724	TRUE	7.16E-08
FVC	GSDMC	cg23990303	rs7004355	C	T	0.273	0.023	0.471	6.64E-32	-0.010	0.002	5.06E-05	0.036	138.110	TRUE	2.53E-29
FVC	GSDMC	cg26073844	rs4260864	G	A	-0.182	0.024	0.451	1.42E-14	0.005	0.002	0.026	0.016	59.177	TRUE	1.13E-13
FVC	GSDMD	cg03367493	rs11782753	T	C	0.575	0.034	0.133	1.17E-65	-0.004	0.004	0.233	0.073	292.722	TRUE	1.39E-62
FVC	GSDMD	cg03367493	rs11985039	A	G	0.146	0.024	0.418	9.34E-10	-0.003	0.002	0.166	0.010	37.437	TRUE	2.72E-09
FVC	GSDMD	cg03367493	rs12543282	T	C	0.228	0.027	0.239	1.04E-16	-0.001	0.003	0.816	0.018	68.850	TRUE	2.23E-16
FVC	GSDMD	cg03367493	rs12679471	G	T	0.188	0.025	0.348	4.17E-14	-0.001	0.003	0.561	0.015	57.058	TRUE	9.68E-14
FVC	GSDMD	cg03367493	rs12679598	G	A	-0.748	0.031	0.150	3.73E-127	0.008	0.003	0.019	0.135	575.102	TRUE	1.20E-117
FVC	GSDMD	cg03367493	rs13262652	C	G	0.474	0.059	0.043	1.24E-15	-0.004	0.006	0.501	0.017	63.972	TRUE	3.45E-15
FVC	GSDMD	cg03367493	rs13276307	T	C	0.463	0.027	0.248	1.57E-64	-0.004	0.003	0.122	0.072	287.550	TRUE	2.77E-61
FVC	GSDMD	cg03367493	rs139312283	T	C	0.693	0.102	0.014	1.10E-11	-0.009	0.009	0.357	0.012	46.110	TRUE	2.82E-11
FVC	GSDMD	cg03367493	rs143355379	T	C	0.871	0.143	0.014	1.01E-09	-0.009	0.010	0.372	0.010	37.287	TRUE	2.21E-09
FVC	GSDMD	cg03367493	rs187530824	G	C	-0.611	0.100	0.010	1.06E-09	0.001	0.010	0.943	0.010	37.189	TRUE	1.42E-09
FVC	GSDMD	cg03367493	rs2384929	C	T	0.258	0.023	0.496	2.68E-28	-0.007	0.002	0.005	0.032	121.641	TRUE	1.89E-26
FVC	GSDMD	cg03367493	rs35643226	C	A	0.160	0.024	0.452	1.31E-11	-0.001	0.002	0.691	0.012	45.770	TRUE	2.33E-11
FVC	GSDMD	cg03367493	rs66470449	C	G	-0.190	0.025	0.307	2.83E-14	0.003	0.003	0.312	0.015	57.818	TRUE	9.15E-14
FVC	GSDMD	cg03367493	rs72695731	T	C	-0.906	0.140	0.016	9.47E-11	0.002	0.009	0.804	0.011	41.905	TRUE	1.49E-10
FVC	GSDMD	cg03367493	rs7832515	G	A	-0.193	0.030	0.199	7.44E-11	0.008	0.003	0.012	0.011	42.376	TRUE	4.70E-10
FVC	GSDMD	cg03367493	rs78856028	A	G	0.179	0.033	0.154	3.89E-08	0.000	0.003	0.998	0.008	30.186	TRUE	4.74E-08
FVC	GSDMD	cg06553843	rs11782442	T	C	0.478	0.034	0.131	2.27E-45	-0.004	0.004	0.225	0.051	199.723	TRUE	1.75E-43
FVC	GSDMD	cg06553843	rs144181480	G	A	-0.536	0.092	0.016	6.12E-09	0.011	0.009	0.227	0.009	33.779	TRUE	1.51E-08
FVC	GSDMD	cg06553843	rs187530824	G	C	-0.771	0.100	0.010	1.66E-14	0.001	0.010	0.943	0.016	58.872	TRUE	2.74E-14
FVC	GSDMD	cg06553843	rs2242088	C	G	0.232	0.026	0.310	1.07E-19	-0.006	0.003	0.025	0.022	82.425	TRUE	1.57E-18
FVC	GSDMD	cg06553843	rs2242093	C	T	-0.709	0.031	0.149	2.19E-112	0.007	0.003	0.024	0.121	507.253	TRUE	1.50E-104
FVC	GSDMD	cg06553843	rs2278897	A	G	0.166	0.025	0.322	6.72E-11	-0.002	0.003	0.358	0.011	42.576	TRUE	1.62E-10
FVC	GSDMD	cg06553843	rs62524733	G	A	-0.156	0.023	0.458	3.29E-11	0.001	0.002	0.829	0.012	43.971	TRUE	5.14E-11
FVC	GSDMD	cg06553843	rs66470449	C	G	-0.149	0.025	0.307	2.60E-09	0.003	0.003	0.312	0.009	35.441	TRUE	5.89E-09
FVC	GSDMD	cg06553843	rs72703742	T	C	0.179	0.033	0.143	4.00E-08	-0.002	0.003	0.590	0.008	30.133	TRUE	6.52E-08
FVC	GSDMD	cg07422279	rs12543096	A	G	0.221	0.028	0.206	4.12E-15	0.002	0.003	0.467	0.016	61.607	TRUE	1.15E-14
FVC	GSDMD	cg07422279	rs141432057	T	C	-0.255	0.040	0.091	2.78E-10	-0.004	0.004	0.400	0.011	39.805	TRUE	6.15E-10
FVC	GSDMD	cg07422279	rs1809148	A	G	-0.211	0.036	0.131	4.77E-09	-0.008	0.004	0.017	0.009	34.261	TRUE	2.31E-08
FVC	GSDMD	cg07422279	rs4873796	G	C	-0.180	0.028	0.222	8.73E-11	-0.002	0.003	0.505	0.011	42.065	TRUE	1.79E-10
FVC	GSDMD	cg07422279	rs6558369	A	C	0.385	0.024	0.378	2.03E-59	0.004	0.003	0.156	0.067	264.112	TRUE	1.31E-56
FVC	GSDMD	cg07422279	rs72701718	A	G	0.316	0.058	0.036	3.96E-08	0.006	0.006	0.284	0.008	30.154	TRUE	8.53E-08

FVC	GSDMD	cg09317036	rs10866914	T	G	-0.247	0.038	0.118	7.24E-11	-0.005	0.004	0.226	0.011	42.429	TRUE	2.09E-10
FVC	GSDMD	cg09317036	rs11787024	C	T	0.147	0.025	0.322	5.91E-09	0.003	0.003	0.230	0.009	33.845	TRUE	1.46E-08
FVC	GSDMD	cg09317036	rs12547588	G	A	-0.264	0.026	0.265	1.48E-23	-0.003	0.003	0.324	0.026	100.000	TRUE	9.92E-23
FVC	GSDMD	cg09317036	rs12681624	G	C	1.025	0.030	0.150	1.09E-255	0.007	0.003	0.028	0.240	1166.006	TRUE	1.67E-227
FVC	GSDMD	cg09317036	rs141337105	T	G	0.468	0.082	0.018	1.01E-08	0.007	0.008	0.402	0.009	32.805	TRUE	2.00E-08
FVC	GSDMD	cg09317036	rs144181480	G	A	0.543	0.092	0.016	4.02E-09	0.011	0.009	0.227	0.009	34.595	TRUE	1.01E-08
FVC	GSDMD	cg09317036	rs187530824	G	C	0.858	0.100	0.010	1.17E-17	0.001	0.010	0.943	0.019	73.161	TRUE	2.28E-17
FVC	GSDMD	cg09317036	rs2060967	T	C	-0.278	0.026	0.296	7.51E-27	-0.002	0.003	0.489	0.030	115.031	TRUE	4.88E-26
FVC	GSDMD	cg09317036	rs2384929	C	T	-0.227	0.023	0.496	3.02E-22	-0.007	0.002	0.005	0.025	94.033	TRUE	1.00E-20
FVC	GSDMD	cg09317036	rs34791886	G	A	0.248	0.024	0.453	5.30E-26	0.003	0.002	0.262	0.029	111.160	TRUE	4.75E-25
FVC	GSDMD	cg09317036	rs72691637	A	G	0.188	0.030	0.200	2.16E-10	0.008	0.003	0.012	0.011	40.291	TRUE	1.29E-09
FVC	GSDMD	cg09317036	rs72695731	T	C	1.027	0.140	0.016	1.90E-13	0.002	0.009	0.804	0.014	54.073	TRUE	3.41E-13
FVC	GSDMD	cg09317036	rs9644250	T	G	-0.179	0.025	0.349	8.33E-13	0.002	0.003	0.474	0.014	51.175	TRUE	2.00E-12
FVC	GSDMD	cg10074813	rs13262652	C	G	0.349	0.059	0.043	4.12E-09	-0.004	0.006	0.501	0.009	34.545	TRUE	7.63E-09
FVC	GSDMD	cg10074813	rs2242091	A	G	0.503	0.033	0.134	5.97E-51	-0.004	0.004	0.261	0.057	225.290	TRUE	8.10E-49
FVC	GSDMD	cg10074813	rs388357	A	C	-0.198	0.025	0.341	8.12E-16	0.001	0.003	0.782	0.017	64.805	TRUE	1.69E-15
FVC	GSDMD	cg10074813	rs4266665	G	T	-0.194	0.025	0.331	2.99E-15	0.005	0.003	0.041	0.017	62.238	TRUE	2.26E-14
FVC	GSDMD	cg10074813	rs896949	C	G	0.178	0.027	0.274	3.30E-11	-0.002	0.003	0.551	0.012	43.964	TRUE	6.70E-11
FVC	GSDMD	cg10810860	rs10099546	G	A	-0.467	0.033	0.142	2.17E-45	0.007	0.003	0.051	0.051	199.813	TRUE	4.48E-43
FVC	GSDMD	cg10810860	rs117239159	A	G	0.556	0.070	0.030	2.13E-15	0.004	0.007	0.516	0.017	62.907	TRUE	5.73E-15
FVC	GSDMD	cg10810860	rs12543282	T	C	0.699	0.026	0.239	2.43E-155	-0.001	0.003	0.816	0.160	704.634	TRUE	8.79E-145
FVC	GSDMD	cg10810860	rs13276307	T	C	0.380	0.027	0.248	1.64E-43	-0.004	0.003	0.122	0.049	191.218	TRUE	1.61E-41
FVC	GSDMD	cg10810860	rs190987773	T	C	0.757	0.074	0.033	1.05E-24	-0.003	0.008	0.686	0.028	105.248	TRUE	4.35E-24
FVC	GSDMD	cg10810860	rs36134466	G	A	0.669	0.086	0.022	8.28E-15	0.003	0.007	0.679	0.016	60.235	TRUE	1.81E-14
FVC	GSDMD	cg10810860	rs4495441	A	G	0.379	0.046	0.071	2.20E-16	-0.012	0.005	0.011	0.018	67.382	TRUE	2.66E-15
FVC	GSDMD	cg10810860	rs60804328	G	C	-0.218	0.024	0.373	4.55E-20	0.002	0.002	0.339	0.022	84.120	TRUE	2.21E-19
FVC	GSDMD	cg10810860	rs6990605	G	A	0.219	0.025	0.325	2.03E-18	0.002	0.003	0.496	0.020	76.624	TRUE	6.85E-18
FVC	GSDMD	cg10810860	rs72703732	A	G	0.524	0.062	0.039	2.64E-17	0.013	0.006	0.033	0.019	71.561	TRUE	2.61E-16
FVC	GSDMD	cg10810860	rs73715668	C	G	-0.257	0.027	0.247	1.69E-21	0.001	0.003	0.844	0.024	90.631	TRUE	4.52E-21
FVC	GSDMD	cg14721632	rs116668352	A	G	-0.302	0.052	0.059	7.30E-09	-0.003	0.005	0.587	0.009	33.434	TRUE	1.24E-08
FVC	GSDMD	cg14721632	rs116692788	T	C	-0.335	0.035	0.131	8.27E-22	-0.003	0.003	0.342	0.024	92.042	TRUE	4.66E-21
FVC	GSDMD	cg14721632	rs117126994	A	G	0.566	0.081	0.025	2.19E-12	-0.012	0.008	0.110	0.013	49.282	TRUE	9.24E-12
FVC	GSDMD	cg14721632	rs11776876	T	C	-0.175	0.024	0.418	3.95E-13	0.002	0.002	0.513	0.014	52.639	TRUE	9.32E-13
FVC	GSDMD	cg14721632	rs12544706	C	G	-0.316	0.027	0.241	1.24E-31	-0.003	0.003	0.251	0.036	136.869	TRUE	2.02E-30
FVC	GSDMD	cg14721632	rs1545536	T	C	-0.258	0.029	0.216	2.37E-19	-0.002	0.003	0.506	0.021	80.863	TRUE	8.38E-19
FVC	GSDMD	cg14721632	rs2272635	T	C	0.268	0.026	0.295	3.30E-25	0.002	0.003	0.362	0.028	107.534	TRUE	2.36E-24
FVC	GSDMD	cg14721632	rs3812445	G	A	0.349	0.034	0.132	1.94E-24	-0.005	0.004	0.213	0.027	104.030	TRUE	1.78E-23
FVC	GSDMD	cg14721632	rs383439	G	C	0.442	0.025	0.329	1.07E-70	-0.002	0.003	0.345	0.079	315.842	TRUE	1.85E-67
FVC	GSDMD	cg14721632	rs3889129	T	C	0.653	0.023	0.350	1.65E-175	0.003	0.003	0.170	0.177	797.337	TRUE	3.72E-161
FVC	GSDMD	cg14721632	rs59795540	A	C	-0.320	0.043	0.083	1.24E-13	0.005	0.004	0.209	0.015	54.913	TRUE	4.61E-13
FVC	GSDMD	cg14721632	rs6991129	G	A	-0.187	0.027	0.256	3.19E-12	0.003	0.003	0.272	0.013	48.545	TRUE	9.55E-12
FVC	GSDMD	cg14721632	rs6994534	T	C	0.137	0.024	0.424	9.86E-09	-0.004	0.002	0.091	0.009	32.850	TRUE	3.16E-08

FVC	GSDMD	cg14721632	rs77893911	T	G	0.236	0.025	0.284	1.98E-20	0.002	0.003	0.481	0.023	85.762	TRUE	8.10E-20
FVC	GSDMD	cg14721632	rs7819729	G	A	-0.211	0.027	0.256	1.23E-14	-0.001	0.003	0.737	0.016	59.460	TRUE	2.49E-14
FVC	GSDMD	cg15172061	rs113025548	T	C	0.759	0.058	0.041	1.31E-39	-0.004	0.006	0.447	0.045	173.353	TRUE	3.05E-38
FVC	GSDMD	cg15172061	rs113715729	A	G	0.427	0.066	0.037	8.55E-11	-0.004	0.008	0.619	0.011	42.106	TRUE	1.57E-10
FVC	GSDMD	cg15172061	rs113990650	T	C	-0.711	0.031	0.150	5.41E-114	0.008	0.003	0.017	0.122	514.636	TRUE	5.99E-106
FVC	GSDMD	cg15172061	rs11985039	A	G	0.210	0.024	0.418	1.45E-18	-0.003	0.002	0.166	0.020	77.289	TRUE	8.84E-18
FVC	GSDMD	cg15172061	rs13262652	C	G	0.498	0.059	0.043	4.93E-17	-0.004	0.006	0.501	0.019	70.328	TRUE	1.51E-16
FVC	GSDMD	cg15172061	rs141432057	T	C	-0.435	0.040	0.091	4.12E-27	-0.004	0.004	0.400	0.030	116.219	TRUE	3.23E-26
FVC	GSDMD	cg15172061	rs144093946	C	T	0.595	0.098	0.014	1.07E-09	0.006	0.010	0.525	0.010	37.175	TRUE	2.00E-09
FVC	GSDMD	cg15172061	rs1532037	C	T	-0.148	0.024	0.401	5.25E-10	0.001	0.003	0.593	0.010	38.561	TRUE	9.36E-10
FVC	GSDMD	cg15172061	rs2384929	C	T	0.316	0.023	0.496	7.46E-42	-0.007	0.002	0.005	0.047	183.622	TRUE	3.19E-39
FVC	GSDMD	cg15172061	rs35194198	G	A	-0.187	0.025	0.322	1.32E-13	0.003	0.003	0.229	0.015	54.799	TRUE	4.66E-13
FVC	GSDMD	cg15172061	rs448340	G	A	0.175	0.024	0.402	1.48E-13	0.000	0.003	0.983	0.015	54.566	TRUE	2.30E-13
FVC	GSDMD	cg15172061	rs58774177	C	T	0.779	0.023	0.334	6.22E-242	-0.003	0.003	0.205	0.230	1102.739	TRUE	1.99E-217
FVC	GSDMD	cg15172061	rs61005957	G	T	0.674	0.041	0.087	1.02E-59	0.000	0.004	0.955	0.067	265.476	TRUE	8.71E-58
FVC	GSDMD	cg15172061	rs7812379	T	C	-0.236	0.024	0.477	2.25E-23	0.000	0.002	0.916	0.026	99.172	TRUE	6.22E-23
FVC	GSDMD	cg15172061	rs7834418	T	C	-0.172	0.026	0.283	8.08E-11	0.002	0.003	0.568	0.011	42.216	TRUE	1.58E-10
FVC	GSDMD	cg15172061	rs78856028	A	G	0.190	0.033	0.154	5.46E-09	0.000	0.003	0.998	0.009	34.001	TRUE	6.85E-09
FVC	GSDMD	cg15541193	rs116692788	T	C	-0.200	0.035	0.131	1.03E-08	-0.003	0.003	0.342	0.009	32.771	TRUE	2.19E-08
FVC	GSDMD	cg15541193	rs372513	T	G	-0.160	0.028	0.224	8.20E-09	-0.003	0.003	0.357	0.009	33.210	TRUE	1.72E-08
FVC	GSDMD	cg15541193	rs3812445	G	A	0.210	0.034	0.132	8.09E-10	-0.005	0.004	0.213	0.010	37.717	TRUE	2.20E-09
FVC	GSDMD	cg15541193	rs383439	G	C	0.241	0.025	0.329	9.98E-22	-0.002	0.003	0.345	0.024	91.672	TRUE	5.53E-21
FVC	GSDMD	cg15541193	rs3889129	T	C	0.372	0.024	0.350	3.20E-54	0.003	0.003	0.170	0.061	240.278	TRUE	9.49E-52
FVC	GSDMD	cg17812120	rs10111556	A	G	0.239	0.025	0.322	1.86E-21	-0.001	0.003	0.678	0.024	90.444	TRUE	6.19E-21
FVC	GSDMD	cg17812120	rs11781942	A	G	-0.194	0.032	0.166	1.24E-09	-0.003	0.003	0.401	0.010	36.883	TRUE	2.62E-09
FVC	GSDMD	cg17812120	rs12681624	G	C	-0.637	0.032	0.150	2.09E-90	0.007	0.003	0.028	0.099	406.309	TRUE	1.11E-84
FVC	GSDMD	cg17812120	rs139312283	T	C	0.709	0.102	0.014	3.57E-12	-0.009	0.009	0.357	0.013	48.321	TRUE	9.43E-12
FVC	GSDMD	cg17812120	rs147034183	A	G	0.636	0.103	0.015	5.96E-10	0.004	0.009	0.661	0.010	38.315	TRUE	1.01E-09
FVC	GSDMD	cg17812120	rs149005143	T	C	0.466	0.080	0.027	5.63E-09	-0.014	0.008	0.059	0.009	33.940	TRUE	2.03E-08
FVC	GSDMD	cg17812120	rs28754324	C	A	0.572	0.098	0.012	4.61E-09	-0.013	0.010	0.196	0.009	34.328	TRUE	1.21E-08
FVC	GSDMD	cg17812120	rs35609832	G	C	0.426	0.065	0.033	6.15E-11	0.000	0.006	0.966	0.011	42.748	TRUE	8.56E-11
FVC	GSDMD	cg17812120	rs3750207	G	T	0.727	0.024	0.333	6.50E-207	-0.003	0.003	0.246	0.203	941.717	TRUE	2.92E-188
FVC	GSDMD	cg17812120	rs3812445	G	A	0.358	0.034	0.132	1.10E-25	-0.005	0.004	0.213	0.029	109.706	TRUE	1.13E-24
FVC	GSDMD	cg17812120	rs4490854	G	A	0.372	0.040	0.087	1.82E-20	-0.003	0.004	0.533	0.023	85.929	TRUE	6.73E-20
FVC	GSDMD	cg17812120	rs58858875	A	G	0.305	0.043	0.084	1.50E-12	-0.002	0.004	0.586	0.013	50.024	TRUE	3.12E-12
FVC	GSDMD	cg17812120	rs59610542	G	A	-0.168	0.025	0.334	1.83E-11	0.002	0.003	0.386	0.012	45.123	TRUE	4.46E-11
FVC	GSDMD	cg17812120	rs62524034	A	G	-0.224	0.032	0.152	1.72E-12	-0.003	0.003	0.276	0.013	49.748	TRUE	5.23E-12
FVC	GSDMD	cg17812120	rs72693306	A	G	-0.306	0.053	0.050	7.74E-09	-0.005	0.005	0.396	0.009	33.321	TRUE	1.56E-08
FVC	GSDMD	cg17812120	rs7812379	T	C	-0.306	0.024	0.477	1.34E-38	0.000	0.002	0.916	0.044	168.734	TRUE	1.20E-37
FVC	GSDMD	cg17812120	rs7813970	T	C	-0.458	0.029	0.194	1.12E-56	-0.001	0.003	0.686	0.064	251.533	TRUE	1.11E-54
FVC	GSDMD	cg17812120	rs78856028	A	G	0.222	0.033	0.154	1.02E-11	0.000	0.003	0.998	0.012	46.261	TRUE	1.42E-11
FVC	GSDMD	cg17812120	rs9657360	C	T	0.430	0.029	0.206	3.24E-48	-0.006	0.003	0.030	0.054	212.761	TRUE	1.33E-45

FVC	GSDMD	cg18198896	rs116668352	A	G	-0.338	0.052	0.059	9.05E-11	-0.003	0.005	0.587	0.011	41.994	TRUE	1.70E-10
FVC	GSDMD	cg18198896	rs116692788	T	C	-0.285	0.035	0.131	3.67E-16	-0.003	0.003	0.342	0.018	66.371	TRUE	1.33E-15
FVC	GSDMD	cg18198896	rs12544706	C	G	-0.253	0.027	0.241	1.24E-20	-0.003	0.003	0.251	0.023	86.694	TRUE	7.43E-20
FVC	GSDMD	cg18198896	rs12675897	T	C	0.149	0.024	0.453	4.01E-10	0.000	0.002	0.989	0.010	39.089	TRUE	5.24E-10
FVC	GSDMD	cg18198896	rs1545536	T	C	-0.196	0.029	0.216	9.06E-12	-0.002	0.003	0.506	0.012	46.496	TRUE	1.95E-11
FVC	GSDMD	cg18198896	rs374534	G	C	0.247	0.026	0.262	2.77E-21	0.006	0.003	0.018	0.024	89.654	TRUE	5.05E-20
FVC	GSDMD	cg18198896	rs383439	G	C	0.199	0.025	0.329	3.08E-15	-0.002	0.003	0.345	0.017	62.181	TRUE	1.04E-14
FVC	GSDMD	cg18198896	rs3889129	T	C	0.586	0.023	0.350	2.22E-138	0.003	0.003	0.170	0.145	626.682	TRUE	1.20E-128
FVC	GSDMD	cg18198896	rs72701718	A	G	0.451	0.058	0.036	4.96E-15	0.006	0.006	0.284	0.016	61.244	TRUE	1.79E-14
FVC	GSDMD	cg18198896	rs74528256	T	C	-0.187	0.032	0.162	9.09E-09	0.000	0.003	0.951	0.009	33.010	TRUE	1.17E-08
FVC	GSDMD	cg18198896	rs77893911	T	G	0.330	0.025	0.284	7.36E-39	0.002	0.003	0.481	0.044	169.918	TRUE	1.51E-37
FVC	GSDMD	cg20583945	rs10099134	C	T	-0.224	0.028	0.236	1.20E-15	-0.001	0.003	0.791	0.017	64.031	TRUE	2.42E-15
FVC	GSDMD	cg20583945	rs11136325	G	A	0.137	0.024	0.406	1.12E-08	0.000	0.002	0.960	0.009	32.609	TRUE	1.42E-08
FVC	GSDMD	cg20583945	rs112484283	C	A	-0.576	0.063	0.040	6.66E-20	-0.005	0.006	0.379	0.022	83.368	TRUE	2.98E-19
FVC	GSDMD	cg20583945	rs11776876	T	C	-0.188	0.024	0.418	6.25E-15	0.002	0.002	0.513	0.016	60.789	TRUE	1.65E-14
FVC	GSDMD	cg20583945	rs11986259	A	G	-0.399	0.028	0.221	6.15E-45	-0.007	0.003	0.012	0.051	197.744	TRUE	2.61E-42
FVC	GSDMD	cg20583945	rs12545739	T	C	-0.157	0.027	0.245	9.78E-09	-0.004	0.003	0.152	0.009	32.867	TRUE	2.71E-08
FVC	GSDMD	cg20583945	rs141337105	T	G	0.781	0.081	0.018	9.73E-22	0.007	0.008	0.402	0.024	91.721	TRUE	4.85E-21
FVC	GSDMD	cg20583945	rs1487888	T	C	1.440	0.022	0.148	<1E-200	0.006	0.003	0.077	0.536	4270.809	TRUE	<1E-200
FVC	GSDMD	cg20583945	rs1532037	C	T	0.269	0.024	0.401	4.74E-30	0.001	0.003	0.593	0.034	129.640	TRUE	3.36E-29
FVC	GSDMD	cg20583945	rs187530824	G	C	0.886	0.100	0.010	9.85E-19	0.001	0.010	0.943	0.021	78.048	TRUE	2.03E-18
FVC	GSDMD	cg20583945	rs2060967	T	C	-0.636	0.025	0.296	3.17E-142	-0.002	0.003	0.489	0.148	644.357	TRUE	9.81E-133
FVC	GSDMD	cg20583945	rs388357	A	C	-0.462	0.024	0.341	8.27E-82	0.001	0.003	0.782	0.090	366.838	TRUE	2.62E-78
FVC	GSDMD	cg20583945	rs4873795	T	A	-0.316	0.037	0.102	2.21E-17	-0.005	0.004	0.236	0.019	71.911	TRUE	1.04E-16
FVC	GSDMD	cg20583945	rs55994096	T	G	0.339	0.024	0.374	9.52E-47	0.002	0.002	0.340	0.053	206.035	TRUE	6.23E-45
FVC	GSDMD	cg20583945	rs56184499	A	G	0.275	0.026	0.293	3.26E-26	0.002	0.003	0.395	0.029	112.123	TRUE	2.35E-25
FVC	GSDMD	cg20583945	rs56186625	T	C	0.597	0.055	0.055	3.52E-27	0.014	0.005	0.009	0.031	116.533	TRUE	1.61E-25
FVC	GSDMD	cg20583945	rs62521928	A	G	-0.346	0.055	0.052	3.82E-10	-0.004	0.005	0.416	0.010	39.183	TRUE	8.16E-10
FVC	GSDMD	cg20583945	rs6558383	C	T	-0.257	0.034	0.146	5.09E-14	-0.003	0.003	0.383	0.015	56.662	TRUE	1.49E-13
FVC	GSDMD	cg20583945	rs6987719	T	C	-0.220	0.031	0.169	1.74E-12	-0.003	0.003	0.428	0.013	49.726	TRUE	4.27E-12
FVC	GSDMD	cg20583945	rs7460860	T	C	0.182	0.024	0.395	5.64E-14	0.004	0.002	0.072	0.015	56.462	TRUE	3.23E-13
FVC	GSDMD	cg20583945	rs7829800	A	G	0.167	0.025	0.320	4.36E-11	0.002	0.003	0.335	0.012	43.423	TRUE	1.09E-10
FVC	GSDMD	cg20583945	rs7833564	A	G	0.144	0.024	0.477	1.17E-09	0.000	0.002	0.989	0.010	37.002	TRUE	1.50E-09
FVC	GSDMD	cg20583945	rs80351785	A	G	-0.494	0.071	0.034	4.32E-12	0.007	0.007	0.307	0.013	47.947	TRUE	1.20E-11
FVC	GSDMD	cg20583945	rs896960	C	G	0.195	0.034	0.134	8.66E-09	-0.004	0.004	0.235	0.009	33.103	TRUE	2.07E-08
FVC	GSDMD	cg22012530	rs118062821	T	A	-0.521	0.093	0.019	1.76E-08	-0.011	0.008	0.186	0.009	31.729	TRUE	4.43E-08
FVC	GSDMD	cg22012530	rs118076041	A	G	0.728	0.130	0.015	2.06E-08	-0.021	0.010	0.036	0.008	31.418	TRUE	7.88E-08
FVC	GSDMD	cg22012530	rs13254352	A	C	-0.254	0.028	0.245	4.91E-20	-0.004	0.003	0.122	0.022	83.972	TRUE	3.99E-19
FVC	GSDMD	cg22012530	rs13267937	G	C	-0.235	0.027	0.256	9.70E-18	-0.001	0.003	0.783	0.019	73.532	TRUE	2.22E-17
FVC	GSDMD	cg22012530	rs13274480	T	C	-0.178	0.024	0.420	1.27E-13	0.001	0.002	0.646	0.015	54.863	TRUE	2.67E-13
FVC	GSDMD	cg22012530	rs2060967	T	C	-0.400	0.026	0.296	2.03E-54	-0.002	0.003	0.489	0.061	241.189	TRUE	2.33E-52
FVC	GSDMD	cg22012530	rs2278897	A	G	0.259	0.025	0.322	1.34E-24	-0.002	0.003	0.358	0.028	104.760	TRUE	9.09E-24

FVC	GSDMD	cg22012530	rs388357	A	C	-0.407	0.024	0.341	3.87E-63	0.001	0.003	0.782	0.071	281.167	TRUE	7.41E-61
FVC	GSDMD	cg22012530	rs4873795	T	A	-0.223	0.037	0.102	2.27E-09	-0.005	0.004	0.236	0.010	35.708	TRUE	5.73E-09
FVC	GSDMD	cg22012530	rs59795540	A	C	-0.343	0.043	0.083	2.23E-15	0.005	0.004	0.209	0.017	62.820	TRUE	9.52E-15
FVC	GSDMD	cg22012530	rs6991129	G	A	-0.216	0.027	0.256	1.07E-15	0.003	0.003	0.272	0.017	64.256	TRUE	4.20E-15
FVC	GSDMD	cg22012530	rs6991958	T	C	0.776	0.028	0.200	1.15E-171	-0.001	0.003	0.630	0.174	779.663	TRUE	7.99E-159
FVC	GSDMD	cg22012530	rs72701716	A	G	0.274	0.026	0.293	4.64E-26	0.002	0.003	0.399	0.029	111.422	TRUE	3.30E-25
FVC	GSDMD	cg22312904	rs113025548	T	C	0.652	0.058	0.041	1.19E-29	-0.004	0.006	0.447	0.033	127.816	TRUE	1.07E-28
FVC	GSDMD	cg22312904	rs12681624	G	C	-0.546	0.032	0.150	2.19E-66	0.007	0.003	0.028	0.074	296.064	TRUE	1.49E-62
FVC	GSDMD	cg22312904	rs13262652	C	G	0.343	0.059	0.043	7.09E-09	-0.004	0.006	0.501	0.009	33.491	TRUE	1.29E-08
FVC	GSDMD	cg22312904	rs144093946	C	T	0.535	0.097	0.014	3.80E-08	0.006	0.010	0.525	0.008	30.234	TRUE	6.49E-08
FVC	GSDMD	cg22312904	rs1532038	A	G	-0.292	0.043	0.079	8.60E-12	0.000	0.004	0.964	0.012	46.599	TRUE	1.24E-11
FVC	GSDMD	cg22312904	rs2004099	G	T	0.156	0.024	0.405	6.73E-11	-0.005	0.002	0.066	0.011	42.573	TRUE	2.94E-10
FVC	GSDMD	cg22312904	rs448340	G	A	0.170	0.024	0.402	5.32E-13	0.000	0.003	0.983	0.014	52.055	TRUE	8.05E-13
FVC	GSDMD	cg22312904	rs4874171	C	T	0.258	0.024	0.375	4.32E-27	-0.007	0.002	0.003	0.030	116.128	TRUE	3.09E-25
FVC	GSDMD	cg22312904	rs58472315	G	A	0.589	0.042	0.089	9.82E-46	-0.004	0.004	0.305	0.052	201.393	TRUE	6.24E-44
FVC	GSDMD	cg22312904	rs59610542	G	A	-0.146	0.025	0.334	4.60E-09	0.002	0.003	0.386	0.009	34.334	TRUE	9.54E-09
FVC	GSDMD	cg22312904	rs964195	C	T	0.593	0.024	0.334	2.11E-132	-0.003	0.003	0.247	0.139	599.216	TRUE	1.56E-123
FVC	GSDMD	cg22995724	rs113715729	A	G	0.366	0.066	0.037	2.70E-08	-0.004	0.008	0.619	0.008	30.894	TRUE	4.34E-08
FVC	GSDMD	cg22995724	rs11782442	T	C	0.859	0.033	0.131	3.57E-152	-0.004	0.004	0.225	0.157	690.074	TRUE	5.45E-141
FVC	GSDMD	cg22995724	rs12680498	A	G	0.188	0.024	0.448	1.67E-15	0.000	0.002	0.851	0.017	63.380	TRUE	3.14E-15
FVC	GSDMD	cg22995724	rs12681624	G	C	-0.921	0.031	0.150	3.91E-200	0.007	0.003	0.028	0.198	910.549	TRUE	3.07E-181
FVC	GSDMD	cg22995724	rs139312283	T	C	0.799	0.102	0.014	4.23E-15	-0.009	0.009	0.357	0.016	61.556	TRUE	1.38E-14
FVC	GSDMD	cg22995724	rs35194198	G	A	-0.148	0.025	0.322	4.77E-09	0.003	0.003	0.229	0.009	34.264	TRUE	1.18E-08
FVC	GSDMD	cg22995724	rs3750204	A	G	0.226	0.028	0.233	7.54E-16	-0.001	0.003	0.869	0.017	64.951	TRUE	1.45E-15
FVC	GSDMD	cg22995724	rs4242490	A	C	0.259	0.026	0.264	1.24E-22	0.006	0.003	0.018	0.025	95.797	TRUE	2.72E-21
FVC	GSDMD	cg22995724	rs4874147	T	C	0.166	0.026	0.269	2.65E-10	-0.001	0.003	0.734	0.011	39.899	TRUE	4.28E-10
FVC	GSDMD	cg22995724	rs4874150	G	A	-0.208	0.026	0.275	1.70E-15	0.000	0.003	0.909	0.017	63.355	TRUE	3.06E-15
FVC	GSDMD	cg22995724	rs59795540	A	C	0.412	0.043	0.083	1.33E-21	0.005	0.004	0.209	0.024	91.106	TRUE	9.59E-21
FVC	GSDMD	cg22995724	rs62524034	A	G	-0.177	0.032	0.152	2.75E-08	-0.003	0.003	0.276	0.008	30.863	TRUE	6.08E-08
FVC	GSDMD	cg22995724	rs72691637	A	G	-0.218	0.030	0.200	2.13E-13	0.008	0.003	0.012	0.014	53.855	TRUE	1.81E-12
FVC	GSDMD	cg22995724	rs72695731	T	C	-0.905	0.140	0.016	1.01E-10	0.002	0.009	0.804	0.011	41.785	TRUE	1.58E-10
FVC	GSDMD	cg22995724	rs78856028	A	G	0.205	0.033	0.154	3.14E-10	0.000	0.003	0.998	0.011	39.565	TRUE	4.12E-10
FVC	GSDMD	cg22995724	rs872935	G	A	0.431	0.024	0.372	1.18E-69	-0.004	0.002	0.127	0.078	311.066	TRUE	4.53E-66
FVC	GSDMD	cg22995724	rs923326	G	C	0.182	0.024	0.397	3.66E-14	-0.005	0.002	0.043	0.015	57.312	TRUE	2.48E-13
FVC	GSDMD	cg26173173	rs113990650	T	C	-0.201	0.032	0.150	3.16E-10	0.008	0.003	0.017	0.011	39.551	TRUE	1.69E-09
FVC	GSDMD	cg26173173	rs11551200	T	C	-0.551	0.068	0.028	6.80E-16	-0.012	0.007	0.104	0.017	65.156	TRUE	4.03E-15
FVC	GSTP1	cg05244766	rs117303800	T	A	-0.170	0.028	0.218	1.47E-09	0.019	0.003	4.01E-11	0.010	36.549	TRUE	7.44E-08
FVC	GSTP1	cg05244766	rs1254125	G	A	0.276	0.044	0.070	2.63E-10	0.000	0.005	0.951	0.011	39.906	TRUE	3.62E-10
FVC	GSTP1	cg05244766	rs72932599	C	G	-0.226	0.041	0.087	2.78E-08	0.003	0.004	0.514	0.008	30.838	TRUE	4.84E-08
FVC	GSTP1	cg05244766	rs72932799	T	C	-0.259	0.043	0.075	2.79E-09	0.015	0.004	0.001	0.009	35.307	TRUE	2.28E-08
FVC	GSTP1	cg05244766	rs7941648	T	C	-0.371	0.023	0.443	9.49E-59	0.008	0.002	9.55E-04	0.066	261.040	TRUE	9.06E-55
FVC	GSTP1	cg06928838	rs4930436	A	G	0.303	0.023	0.448	1.45E-39	0.008	0.002	0.001	0.045	173.141	TRUE	7.16E-37

FVC	GSTP1	cg09038676	rs113663779	G	A	0.159	0.026	0.303	8.50E-10	-0.001	0.003	0.849	0.010	37.622	TRUE	1.23E-09
FVC	GSTP1	cg09038676	rs36051467	T	C	0.338	0.052	0.058	6.86E-11	-0.014	0.006	0.010	0.011	42.536	TRUE	4.56E-10
FVC	GSTP1	cg09038676	rs4930436	A	G	0.490	0.023	0.448	1.54E-102	0.008	0.002	0.001	0.111	462.023	TRUE	7.92E-95
FVC	GSTP1	cg09038676	rs55657661	T	C	0.324	0.044	0.079	1.09E-13	0.017	0.005	3.19E-04	0.015	55.169	TRUE	2.05E-12
FVC	GSTP1	cg09038676	rs72932599	C	G	0.235	0.041	0.087	9.71E-09	0.003	0.004	0.514	0.009	32.880	TRUE	1.74E-08
FVC	GSTP1	cg09038676	rs78144798	A	G	0.157	0.028	0.217	3.14E-08	0.019	0.003	6.14E-11	0.008	30.604	TRUE	1.07E-06
FVC	GSTP1	cg09038676	rs7940103	A	T	0.350	0.046	0.067	4.35E-14	0.004	0.004	0.342	0.015	56.975	TRUE	1.34E-13
FVC	GSTP1	cg11566244	rs10896216	G	A	0.183	0.024	0.461	8.88E-15	0.004	0.002	0.074	0.016	60.097	TRUE	5.34E-14
FVC	GSTP1	cg11566244	rs113663779	G	A	0.165	0.026	0.303	2.06E-10	-0.001	0.003	0.849	0.011	40.387	TRUE	3.07E-10
FVC	GSTP1	cg11566244	rs117400987	T	G	0.517	0.095	0.017	4.96E-08	0.019	0.009	0.044	0.008	29.715	TRUE	1.72E-07
FVC	GSTP1	cg11566244	rs12807979	C	A	-0.224	0.039	0.092	1.12E-08	-0.001	0.004	0.738	0.009	32.603	TRUE	1.67E-08
FVC	GSTP1	cg11566244	rs138770192	C	T	0.360	0.044	0.079	4.34E-16	0.019	0.005	2.74E-05	0.018	66.038	TRUE	1.77E-14
FVC	GSTP1	cg11566244	rs36051467	T	C	0.472	0.052	0.058	9.07E-20	-0.014	0.006	0.010	0.022	82.758	TRUE	1.70E-18
FVC	GSTP1	cg11566244	rs4930436	A	G	0.743	0.021	0.448	4.20E-285	0.008	0.002	0.001	0.260	1301.274	TRUE	6.78E-250
FVC	GSTP1	cg11566244	rs55657661	T	C	0.436	0.044	0.079	2.14E-23	0.017	0.005	3.19E-04	0.026	99.277	TRUE	1.58E-21
FVC	GSTP1	cg11566244	rs604232	T	C	-0.320	0.044	0.071	4.12E-13	0.001	0.005	0.882	0.014	52.555	TRUE	6.80E-13
FVC	GSTP1	cg11566244	rs7106145	C	G	-0.258	0.039	0.105	2.79E-11	-0.009	0.004	0.029	0.012	44.292	TRUE	1.53E-10
FVC	GSTP1	cg11566244	rs72932599	C	G	0.330	0.041	0.087	1.05E-15	0.003	0.004	0.514	0.017	64.294	TRUE	2.90E-15
FVC	GSTP1	cg11566244	rs78144798	A	G	0.257	0.028	0.217	1.83E-19	0.019	0.003	6.14E-11	0.022	81.375	TRUE	8.42E-17
FVC	GSTP1	cg11566244	rs7940103	A	T	0.541	0.046	0.067	1.73E-31	0.004	0.004	0.342	0.036	136.213	TRUE	2.24E-30
FVC	GSTP1	cg14921275	rs10791902	T	C	0.215	0.037	0.443	4.33E-09	-0.012	0.002	4.11E-07	0.009	34.452	TRUE	9.38E-08
FVC	GSTP1	cg14921275	rs10896181	T	C	-0.312	0.023	0.445	9.54E-42	0.008	0.002	0.001	0.047	183.134	TRUE	5.80E-39
FVC	GSTP1	cg14921275	rs2447587	T	C	-0.256	0.045	0.070	9.13E-09	0.003	0.005	0.533	0.009	33.000	TRUE	1.61E-08
FVC	GSTP1	cg14921275	rs688878	G	A	0.260	0.044	0.070	2.39E-09	0.000	0.004	0.948	0.010	35.605	TRUE	3.17E-09
FVC	GSTP1	cg19114214	rs117216574	T	C	-0.285	0.044	0.078	5.59E-11	0.014	0.004	0.001	0.011	42.936	TRUE	5.56E-10
FVC	GSTP1	cg19114214	rs656652	T	C	0.356	0.023	0.484	4.02E-53	-0.008	0.002	0.002	0.060	235.243	TRUE	1.29E-49
FVC	GSTP1	cg19114214	rs694616	A	C	-0.317	0.045	0.069	1.22E-12	0.000	0.005	0.939	0.013	50.427	TRUE	1.85E-12
FVC	GSTP1	cg19114214	rs78144798	A	G	-0.182	0.028	0.217	1.57E-10	0.019	0.003	6.14E-11	0.011	40.917	TRUE	9.79E-09
FVC	GSTP1	cg23725454	rs10896216	G	A	-0.156	0.024	0.461	4.06E-11	0.004	0.002	0.074	0.012	43.560	TRUE	1.72E-10
FVC	GSTP1	cg23725454	rs111451035	C	T	-0.244	0.036	0.123	2.17E-11	0.016	0.004	1.19E-05	0.012	44.790	TRUE	4.71E-10
FVC	GSTP1	cg23725454	rs11604706	A	G	-0.398	0.048	0.059	5.43E-17	0.006	0.005	0.180	0.019	70.137	TRUE	2.80E-16
FVC	GSTP1	cg23725454	rs117125310	A	G	0.384	0.056	0.044	5.64E-12	-0.029	0.006	9.23E-07	0.013	47.426	TRUE	1.92E-10
FVC	GSTP1	cg23725454	rs143768760	T	C	-0.592	0.089	0.017	3.59E-11	-0.008	0.009	0.381	0.012	43.804	TRUE	8.56E-11
FVC	GSTP1	cg23725454	rs17148450	C	G	0.288	0.041	0.084	2.74E-12	-0.015	0.004	4.50E-04	0.013	48.837	TRUE	3.91E-11
FVC	GSTP1	cg23725454	rs2514047	T	A	-0.221	0.025	0.372	1.94E-19	0.000	0.003	0.901	0.021	81.257	TRUE	4.35E-19
FVC	GSTP1	cg23725454	rs34775878	A	G	0.219	0.039	0.092	1.86E-08	0.000	0.004	0.945	0.008	31.618	TRUE	2.39E-08
FVC	GSTP1	cg23725454	rs36051467	T	C	-0.433	0.052	0.058	7.21E-17	-0.014	0.006	0.010	0.018	69.577	TRUE	9.69E-16
FVC	GSTP1	cg23725454	rs56031100	A	G	-0.356	0.039	0.103	2.37E-20	0.003	0.004	0.466	0.023	85.413	TRUE	9.66E-20
FVC	GSTP1	cg23725454	rs567957077	T	C	-0.417	0.058	0.043	4.46E-13	0.008	0.006	0.155	0.014	52.403	TRUE	1.77E-12
FVC	GSTP1	cg23725454	rs574283320	C	T	0.555	0.092	0.017	1.37E-09	0.015	0.010	0.114	0.010	36.695	TRUE	4.44E-09
FVC	GSTP1	cg23725454	rs608248	C	T	0.238	0.024	0.389	3.16E-23	-0.011	0.002	4.12E-06	0.026	98.501	TRUE	5.89E-21
FVC	GSTP1	cg23725454	rs684928	A	G	0.772	0.020	0.482	<1E-200	-0.008	0.002	9.26E-04	0.285	1474.119	TRUE	1.19E-279

FVC	GSTP1	cg23725454	rs72932730	A	G	-0.433	0.031	0.165	2.02E-45	0.011	0.003	6.42E-04	0.051	199.954	TRUE	2.81E-42
FVC	GSTP1	cg23725454	rs7932636	G	A	-0.276	0.039	0.100	2.07E-12	0.004	0.004	0.310	0.013	49.389	TRUE	5.95E-12
FVC	GSTP1	cg23725454	rs79576315	T	C	0.416	0.060	0.079	2.95E-12	0.001	0.004	0.825	0.013	48.697	TRUE	4.84E-12
FVC	GSTP1	cg25135322	rs10896216	G	A	-0.129	0.024	0.461	4.91E-08	0.004	0.002	0.074	0.008	29.735	TRUE	1.53E-07
FVC	GSTP1	cg25135322	rs111451035	C	T	-0.272	0.036	0.123	9.19E-14	0.016	0.004	1.19E-05	0.015	55.503	TRUE	3.01E-12
FVC	GSTP1	cg25135322	rs11227637	G	C	0.355	0.057	0.045	5.98E-10	0.003	0.005	0.645	0.010	38.306	TRUE	1.03E-09
FVC	GSTP1	cg25135322	rs1127145	A	G	-0.233	0.031	0.169	7.99E-14	0.019	0.003	7.77E-10	0.015	55.778	TRUE	8.98E-12
FVC	GSTP1	cg25135322	rs113663779	G	A	-0.213	0.026	0.303	1.87E-16	-0.001	0.003	0.849	0.018	67.700	TRUE	3.76E-16
FVC	GSTP1	cg25135322	rs11603033	G	A	-0.180	0.031	0.180	3.80E-09	0.007	0.003	0.021	0.009	34.704	TRUE	1.78E-08
FVC	GSTP1	cg25135322	rs11604706	A	G	-0.290	0.048	0.059	1.23E-09	0.006	0.005	0.180	0.010	36.905	TRUE	3.45E-09
FVC	GSTP1	cg25135322	rs117125310	A	G	0.327	0.056	0.044	4.78E-09	-0.029	0.006	9.23E-07	0.009	34.258	TRUE	9.07E-08
FVC	GSTP1	cg25135322	rs12795957	A	G	-0.418	0.050	0.059	1.23E-16	-0.014	0.005	0.006	0.018	68.518	TRUE	1.81E-15
FVC	GSTP1	cg25135322	rs12807979	C	A	0.215	0.039	0.092	4.14E-08	-0.001	0.004	0.738	0.008	30.065	TRUE	6.00E-08
FVC	GSTP1	cg25135322	rs143510168	A	G	0.779	0.143	0.014	4.77E-08	-0.019	0.014	0.176	0.008	29.793	TRUE	1.19E-07
FVC	GSTP1	cg25135322	rs17148450	C	G	0.235	0.041	0.084	1.30E-08	-0.015	0.004	4.50E-04	0.009	32.307	TRUE	1.06E-07
FVC	GSTP1	cg25135322	rs366136	G	A	-0.361	0.060	0.039	1.31E-09	0.007	0.006	0.258	0.010	36.777	TRUE	3.26E-09
FVC	GSTP1	cg25135322	rs56031100	A	G	-0.285	0.039	0.103	1.39E-13	0.003	0.004	0.466	0.015	54.688	TRUE	3.55E-13
FVC	GSTP1	cg25135322	rs608248	C	T	0.211	0.024	0.389	1.47E-18	-0.011	0.002	4.12E-06	0.020	77.251	TRUE	1.28E-16
FVC	GSTP1	cg25135322	rs612162	A	G	-0.273	0.045	0.068	1.16E-09	0.000	0.005	0.954	0.010	37.013	TRUE	1.55E-09
FVC	GSTP1	cg25135322	rs72932730	A	G	-0.359	0.031	0.165	1.22E-31	0.011	0.003	6.42E-04	0.036	136.901	TRUE	2.31E-29
FVC	GSTP1	cg25135322	rs7932636	G	A	-0.239	0.039	0.100	1.07E-09	0.004	0.004	0.310	0.010	37.179	TRUE	2.52E-09
FVC	GSTP1	cg25866895	rs10896216	G	A	-0.227	0.024	0.461	4.85E-22	0.004	0.002	0.074	0.025	93.100	TRUE	5.89E-21
FVC	GSTP1	cg25866895	rs11227793	T	C	-0.825	0.020	0.430	<1E-200	0.011	0.002	4.87E-06	0.307	1638.021	TRUE	2.99E-305
FVC	GSTP1	cg25866895	rs11604706	A	G	-0.568	0.047	0.059	2.83E-33	0.006	0.005	0.180	0.038	144.376	TRUE	6.67E-32
FVC	GSTP1	cg25866895	rs117303800	T	A	-0.401	0.028	0.218	8.25E-46	0.019	0.003	4.01E-11	0.052	201.740	TRUE	7.50E-41
FVC	GSTP1	cg25866895	rs117400987	T	G	-0.604	0.095	0.017	1.86E-10	0.019	0.009	0.044	0.011	40.583	TRUE	8.38E-10
FVC	GSTP1	cg25866895	rs11820792	T	G	-0.574	0.029	0.201	1.49E-87	0.012	0.003	6.46E-05	0.096	393.203	TRUE	1.35E-80
FVC	GSTP1	cg25866895	rs12795957	A	G	-0.570	0.050	0.059	9.72E-30	-0.014	0.005	0.006	0.034	128.217	TRUE	6.93E-28
FVC	GSTP1	cg25866895	rs12807979	C	A	0.333	0.039	0.092	1.95E-17	-0.001	0.004	0.738	0.019	72.152	TRUE	4.63E-17
FVC	GSTP1	cg25866895	rs139324001	A	G	-0.514	0.081	0.027	2.28E-10	0.031	0.007	1.73E-05	0.011	40.186	TRUE	3.94E-09
FVC	GSTP1	cg25866895	rs140823225	A	G	-0.473	0.051	0.056	1.33E-20	0.008	0.005	0.117	0.023	86.553	TRUE	1.14E-19
FVC	GSTP1	cg25866895	rs17148450	C	G	0.337	0.041	0.084	2.82E-16	-0.015	0.004	4.50E-04	0.018	66.888	TRUE	7.09E-15
FVC	GSTP1	cg25866895	rs2514025	C	T	-0.304	0.024	0.426	1.12E-37	0.001	0.002	0.829	0.043	164.509	TRUE	1.08E-36
FVC	GSTP1	cg25866895	rs34270544	A	G	0.694	0.094	0.015	1.32E-13	0.015	0.010	0.114	0.015	54.786	TRUE	6.17E-13
FVC	GSTP1	cg25866895	rs4244818	C	T	-0.201	0.032	0.149	2.89E-10	-0.002	0.003	0.537	0.011	39.727	TRUE	5.51E-10
FVC	GSTP1	cg25866895	rs72932599	C	G	-0.548	0.041	0.087	5.44E-41	0.003	0.004	0.514	0.046	179.671	TRUE	1.26E-39
FVC	GSTP1	cg25866895	rs74835571	C	T	0.430	0.061	0.036	2.22E-12	-0.029	0.007	1.00E-05	0.013	49.257	TRUE	5.78E-11
FVC	GSTP1	cg25866895	rs79576315	T	C	0.612	0.059	0.079	4.38E-25	0.001	0.004	0.825	0.028	106.975	TRUE	1.53E-24
FVC	GUSB	cg08769356	rs34848990	C	A	0.206	0.034	0.143	7.49E-10	0.000	0.004	0.954	0.010	37.867	TRUE	1.00E-09
FVC	GUSB	cg08769356	rs56048419	G	A	0.138	0.025	0.331	2.93E-08	-0.009	0.003	2.71E-04	0.008	30.740	TRUE	2.44E-07
FVC	GUSB	cg08769356	rs75637349	T	C	0.840	0.055	0.046	6.74E-53	0.001	0.006	0.812	0.060	234.216	TRUE	3.29E-51
FVC	GUSB	cg11987759	rs117510415	T	C	-0.540	0.047	0.068	1.19E-30	0.003	0.005	0.499	0.035	132.388	TRUE	1.05E-29

FVC	GUSB	cg11987759	rs117539116	T	G	0.607	0.085	0.017	9.61E-13	0.009	0.010	0.376	0.014	50.895	TRUE	2.58E-12
FVC	GUSB	cg11987759	rs117994368	G	A	0.607	0.072	0.024	3.63E-17	0.006	0.007	0.439	0.019	70.930	TRUE	1.22E-16
FVC	GUSB	cg11987759	rs13228133	C	T	-0.725	0.038	0.096	1.81E-79	0.003	0.004	0.465	0.088	356.094	TRUE	8.60E-76
FVC	GUSB	cg11987759	rs13228566	T	C	0.624	0.056	0.049	1.14E-28	0.001	0.006	0.856	0.032	123.332	TRUE	5.00E-28
FVC	GUSB	cg11987759	rs141779404	A	G	0.580	0.068	0.028	1.04E-17	0.005	0.007	0.490	0.019	73.390	TRUE	3.39E-17
FVC	GUSB	cg11987759	rs144964629	A	G	0.593	0.060	0.038	3.89E-23	0.013	0.007	0.074	0.026	98.089	TRUE	5.23E-22
FVC	GUSB	cg11987759	rs185472655	G	C	-0.439	0.078	0.025	2.16E-08	-0.007	0.008	0.333	0.008	31.325	TRUE	4.48E-08
FVC	GUSB	cg11987759	rs186727034	T	C	-0.413	0.033	0.149	3.71E-36	-0.004	0.003	0.232	0.041	157.556	TRUE	9.98E-35
FVC	GUSB	cg11987759	rs187963050	T	G	0.734	0.110	0.029	2.71E-11	0.004	0.007	0.609	0.012	44.353	TRUE	5.17E-11
FVC	GUSB	cg11987759	rs190523594	C	T	-0.714	0.129	0.019	2.91E-08	-0.006	0.009	0.477	0.008	30.751	TRUE	5.23E-08
FVC	GUSB	cg11987759	rs370971651	C	T	-0.533	0.057	0.040	9.38E-21	-0.004	0.006	0.484	0.023	87.242	TRUE	3.82E-20
FVC	GUSB	cg11987759	rs375600228	C	T	0.510	0.057	0.046	1.83E-19	0.008	0.006	0.211	0.022	81.371	TRUE	1.09E-18
FVC	GUSB	cg11987759	rs62456514	G	A	0.465	0.045	0.069	1.10E-24	0.010	0.005	0.032	0.028	105.148	TRUE	2.48E-23
FVC	GUSB	cg11987759	rs73132632	T	A	0.455	0.054	0.052	2.22E-17	0.010	0.005	0.063	0.019	71.903	TRUE	1.81E-16
FVC	GUSB	cg11987759	rs73141516	T	C	-0.584	0.049	0.058	7.56E-33	-0.003	0.005	0.526	0.037	142.423	TRUE	7.76E-32
FVC	GUSB	cg11987759	rs77859463	G	A	-0.362	0.029	0.214	2.67E-36	-0.010	0.003	3.75E-04	0.041	158.208	TRUE	1.18E-33
FVC	GUSB	cg11987759	rs79871749	T	C	0.600	0.092	0.038	6.98E-11	0.012	0.007	0.084	0.011	42.502	TRUE	2.76E-10
FVC	GUSB	cg15893346	rs12698551	C	T	-0.273	0.047	0.066	8.37E-09	-0.001	0.005	0.900	0.009	33.170	TRUE	1.12E-08
FVC	GUSB	cg25588093	rs28565886	C	T	0.276	0.028	0.214	7.11E-23	0.009	0.003	0.002	0.026	96.898	TRUE	3.24E-21
FVC	GUSB	cg25588093	rs34848990	C	A	0.350	0.034	0.143	2.37E-25	0.000	0.004	0.954	0.028	108.194	TRUE	7.25E-25
FVC	GUSB	cg25588093	rs62469880	A	G	1.485	0.054	0.046	8.74E-167	0.001	0.006	0.901	0.170	757.234	TRUE	5.92E-155
FVC	GUSB	cg25588093	rs6460317	G	A	0.213	0.025	0.319	3.00E-17	-0.001	0.003	0.648	0.019	71.304	TRUE	7.72E-17
FVC	GZMB	cg03875678	rs10483287	C	T	0.224	0.040	0.098	2.19E-08	-0.003	0.004	0.520	0.008	31.302	TRUE	3.81E-08
FVC	GZMB	cg03875678	rs12896123	A	G	0.225	0.023	0.470	1.16E-21	-0.005	0.002	0.027	0.024	91.371	TRUE	2.07E-20
FVC	GZMB	cg03875678	rs2273843	C	T	0.629	0.036	0.118	3.53E-68	0.002	0.004	0.633	0.076	304.290	TRUE	1.83E-65
FVC	GZMB	cg08766149	rs2273843	C	T	0.312	0.037	0.118	1.46E-17	0.002	0.004	0.633	0.019	72.727	TRUE	3.89E-17
FVC	GZMB	cg08766149	rs8004747	A	T	-0.218	0.024	0.389	1.93E-20	0.005	0.002	0.046	0.023	85.817	TRUE	2.40E-19
FVC	GZMB	cg16212145	rs7144366	T	C	0.277	0.024	0.398	1.59E-31	-0.006	0.002	0.019	0.036	136.380	TRUE	9.38E-30
FVC	GZMB	cg16212145	rs72681022	G	A	-0.216	0.036	0.115	1.52E-09	0.007	0.004	0.057	0.010	36.491	TRUE	5.84E-09
FVC	GZMB	cg18118198	rs1951594	C	A	0.189	0.025	0.324	9.10E-14	-0.005	0.003	0.038	0.015	55.523	TRUE	6.08E-13
FVC	GZMB	cg18118198	rs2236337	C	T	-0.571	0.028	0.231	5.40E-94	0.003	0.003	0.349	0.103	422.780	TRUE	5.02E-89
FVC	GZMB	cg18118198	rs3742520	A	C	-0.149	0.023	0.446	1.85E-10	0.002	0.002	0.473	0.011	40.597	TRUE	3.87E-10
FVC	GZMB	cg18118198	rs5250	A	G	-0.310	0.036	0.123	1.26E-17	-0.004	0.004	0.336	0.019	73.009	TRUE	5.14E-17
FVC	GZMB	cg18118198	rs61978977	A	C	0.155	0.028	0.222	2.03E-08	0.002	0.003	0.576	0.008	31.448	TRUE	3.41E-08
FVC	GZMB	cg18118198	rs72681050	G	A	-0.681	0.094	0.022	3.94E-13	0.004	0.008	0.646	0.014	52.644	TRUE	8.07E-13
FVC	HEXB	cg03235083	rs11743615	T	C	-0.297	0.036	0.121	1.49E-16	0.001	0.004	0.799	0.018	68.146	TRUE	3.16E-16
FVC	HEXB	cg03235083	rs13360054	G	A	0.225	0.025	0.310	1.87E-19	0.001	0.003	0.824	0.022	81.328	TRUE	4.62E-19
FVC	HEXB	cg03235083	rs62366376	C	T	-0.272	0.039	0.090	4.74E-12	-0.002	0.004	0.616	0.013	47.768	TRUE	9.43E-12
FVC	HEXB	cg03235083	rs71627068	C	T	-0.647	0.023	0.427	3.05E-176	0.004	0.002	0.122	0.178	800.706	TRUE	1.39E-161
FVC	HEXB	cg05552569	rs71627068	C	T	-0.311	0.024	0.427	4.52E-39	0.004	0.002	0.122	0.044	170.888	TRUE	2.57E-37
FVC	HEXB	cg08868930	rs55996695	A	G	-0.209	0.035	0.125	3.22E-09	0.002	0.004	0.671	0.009	35.030	TRUE	5.21E-09
FVC	HEXB	cg08868930	rs820867	T	C	-0.292	0.024	0.426	2.55E-35	0.004	0.002	0.120	0.040	153.722	TRUE	9.53E-34

FVC	HEXB	cg21230774	rs16872198	G	A	-0.223	0.030	0.171	1.85E-13	-0.002	0.003	0.488	0.014	54.132	TRUE	4.48E-13
FVC	HEXB	cg21230774	rs820871	T	C	0.412	0.026	0.256	4.90E-55	0.006	0.003	0.023	0.062	244.015	TRUE	6.04E-52
FVC	HEXB	cg26333638	rs13181798	T	C	-0.168	0.027	0.237	9.06E-10	-0.003	0.003	0.216	0.010	37.497	TRUE	2.40E-09
FVC	HIF1A	cg04509825	rs10139578	C	G	0.465	0.050	0.053	2.32E-20	0.014	0.005	0.010	0.023	85.448	TRUE	4.61E-19
FVC	HIF1A	cg23174662	rs710035	T	C	0.314	0.027	0.234	1.19E-30	0.000	0.003	0.943	0.035	132.386	TRUE	5.41E-30
FVC	HINT1	cg07158495	rs2278058	C	G	-0.221	0.030	0.202	8.93E-14	0.012	0.003	3.73E-05	0.015	55.559	TRUE	2.37E-12
FVC	HINT1	cg07158495	rs6596032	A	G	-0.182	0.030	0.192	9.73E-10	0.014	0.003	2.27E-06	0.010	37.359	TRUE	1.87E-08
FVC	HINT1	cg08523029	rs11242026	T	C	-0.242	0.028	0.239	2.10E-18	0.000	0.003	0.959	0.020	76.549	TRUE	4.15E-18
FVC	HINT1	cg08523029	rs114142152	G	A	-1.274	0.165	0.011	1.01E-14	0.006	0.012	0.630	0.016	59.845	TRUE	2.30E-14
FVC	HINT1	cg08523029	rs115866564	A	G	-0.627	0.083	0.020	4.44E-14	0.024	0.008	0.001	0.015	56.932	TRUE	6.74E-13
FVC	HINT1	cg08523029	rs116518715	T	C	-0.590	0.080	0.019	2.10E-13	0.006	0.007	0.381	0.014	53.880	TRUE	5.84E-13
FVC	HINT1	cg08523029	rs138203227	T	C	0.257	0.037	0.116	6.24E-12	0.004	0.004	0.251	0.013	47.227	TRUE	1.86E-11
FVC	HINT1	cg08523029	rs1557759	G	A	-0.182	0.027	0.249	1.83E-11	0.010	0.003	1.81E-04	0.012	45.119	TRUE	2.72E-10
FVC	HINT1	cg08523029	rs17169131	C	G	-0.954	0.025	0.204	<1E-200	0.012	0.003	4.95E-05	0.284	1467.221	TRUE	2.29E-277
FVC	HINT1	cg08523029	rs247276	T	C	-0.221	0.031	0.180	5.15E-13	0.019	0.003	7.41E-10	0.014	52.119	TRUE	4.86E-11
FVC	HINT1	cg08523029	rs39897	C	T	-0.197	0.024	0.459	2.50E-16	0.012	0.002	2.81E-06	0.018	67.126	TRUE	1.70E-14
FVC	HINT1	cg08523029	rs61256039	T	C	0.192	0.029	0.210	2.69E-11	0.005	0.003	0.066	0.012	44.369	TRUE	1.21E-10
FVC	HINT1	cg08523029	rs80310948	A	G	-0.693	0.092	0.018	4.12E-14	0.018	0.009	0.054	0.015	57.080	TRUE	2.55E-13
FVC	HIP1	cg00361176	rs10277880	A	G	0.233	0.034	0.132	5.94E-12	0.009	0.003	0.006	0.013	47.322	TRUE	5.02E-11
FVC	HIP1	cg00361176	rs4731235	G	C	-0.206	0.027	0.246	1.19E-14	-0.001	0.003	0.713	0.016	59.518	TRUE	2.49E-14
FVC	HIP1	cg01621268	rs1183821	G	A	-0.140	0.024	0.441	3.09E-09	0.005	0.002	0.037	0.009	35.109	TRUE	1.28E-08
FVC	HIP1	cg05145297	rs10277880	A	G	0.397	0.034	0.132	2.04E-32	0.009	0.003	0.006	0.037	140.451	TRUE	2.09E-30
FVC	HIP1	cg05145297	rs4731235	G	C	-0.272	0.027	0.246	1.82E-24	-0.001	0.003	0.713	0.027	104.158	TRUE	7.12E-24
FVC	HIP1	cg05857060	rs1183821	G	A	-0.189	0.024	0.441	9.12E-16	0.005	0.002	0.037	0.017	64.577	TRUE	7.51E-15
FVC	HIP1	cg07211516	rs10247854	G	C	0.223	0.030	0.166	2.56E-13	-0.005	0.003	0.125	0.014	53.489	TRUE	1.11E-12
FVC	HIP1	cg07211516	rs10248736	A	G	-0.291	0.032	0.148	2.57E-19	-0.004	0.003	0.209	0.021	80.697	TRUE	1.53E-18
FVC	HIP1	cg07211516	rs10273662	T	C	-0.235	0.032	0.145	1.96E-13	0.009	0.003	0.004	0.014	54.011	TRUE	2.15E-12
FVC	HIP1	cg07211516	rs10277452	T	C	0.229	0.026	0.264	2.90E-18	-0.002	0.003	0.432	0.020	75.913	TRUE	1.05E-17
FVC	HIP1	cg07211516	rs12534422	T	C	-0.266	0.024	0.329	2.89E-28	0.004	0.003	0.111	0.032	121.487	TRUE	5.45E-27
FVC	HIP1	cg07211516	rs2705777	A	G	0.127	0.023	0.489	4.55E-08	0.002	0.002	0.509	0.008	29.882	TRUE	7.90E-08
FVC	HIP1	cg07211516	rs2705790	T	C	0.701	0.023	0.338	1.64E-199	-0.005	0.003	0.052	0.197	907.682	TRUE	5.09E-181
FVC	HIP1	cg07211516	rs6948559	T	C	-0.276	0.040	0.087	3.91E-12	-0.005	0.004	0.161	0.013	48.141	TRUE	1.40E-11
FVC	HIP1	cg07211516	rs7794510	T	C	-0.254	0.044	0.070	7.65E-09	0.003	0.005	0.587	0.009	33.345	TRUE	1.30E-08
FVC	HIP1	cg07928105	rs10216078	T	C	-0.323	0.041	0.082	5.67E-15	0.014	0.004	0.001	0.016	60.980	TRUE	1.01E-13
FVC	HIP1	cg13702357	rs10236433	G	A	-0.391	0.053	0.050	2.29E-13	0.002	0.005	0.745	0.014	53.707	TRUE	4.30E-13
FVC	HIP1	cg14177084	rs10230553	T	C	0.316	0.041	0.082	2.46E-14	0.014	0.004	0.001	0.015	58.096	TRUE	3.76E-13
FVC	HIP1	cg14177084	rs1183821	G	A	0.351	0.023	0.441	2.26E-51	0.005	0.002	0.037	0.058	227.226	TRUE	1.27E-48
FVC	HIP1	cg14177084	rs62477719	A	G	-0.147	0.024	0.410	6.22E-10	0.000	0.002	0.889	0.010	38.231	TRUE	8.71E-10
FVC	HIP1	cg16561155	rs191266096	T	C	0.237	0.028	0.234	1.53E-17	-0.001	0.003	0.803	0.019	72.634	TRUE	3.41E-17
FVC	HIP1	cg17787366	rs2079205	A	C	0.281	0.023	0.395	2.28E-33	0.003	0.002	0.175	0.038	144.807	TRUE	5.68E-32
FVC	HIP1	cg18724912	rs10215166	C	A	0.309	0.042	0.080	1.09E-13	0.014	0.004	0.001	0.015	55.160	TRUE	1.61E-12
FVC	HIP1	cg18724912	rs10278376	T	G	-0.592	0.053	0.049	6.75E-29	0.002	0.005	0.732	0.033	124.371	TRUE	3.59E-28

FVC	HIP1	cg19507725	rs12154679	T	C	0.441	0.031	0.152	5.31E-45	0.002	0.003	0.591	0.051	198.035	TRUE	1.64E-43
FVC	HIP1	cg22605936	rs2696207	G	A	0.168	0.025	0.340	1.04E-11	-0.005	0.003	0.035	0.012	46.229	TRUE	5.75E-11
FVC	HIP1	cg23657377	rs10230553	T	C	-0.364	0.041	0.082	5.91E-19	0.014	0.004	0.001	0.021	79.056	TRUE	1.65E-17
FVC	HIP1	cg23657377	rs6945947	C	T	-0.141	0.025	0.327	9.89E-09	0.004	0.003	0.153	0.009	32.846	TRUE	2.73E-08
FVC	HIP1	cg26406292	rs10247961	T	C	-0.259	0.033	0.145	6.01E-15	-0.005	0.003	0.116	0.016	60.865	TRUE	3.09E-14
FVC	HIP1	cg26406292	rs13228140	G	C	0.159	0.025	0.347	8.00E-11	0.004	0.003	0.115	0.011	42.234	TRUE	2.85E-10
FVC	HIP1	cg27531731	rs10261914	A	G	-0.291	0.032	0.146	1.84E-19	0.009	0.003	0.005	0.022	81.364	TRUE	4.12E-18
FVC	HIP1	cg27531731	rs2079205	A	C	-0.171	0.024	0.395	7.50E-13	0.003	0.002	0.175	0.014	51.380	TRUE	2.83E-12
FVC	HIP1R	cg02358858	rs2343686	T	C	-1.443	0.166	0.010	4.05E-18	-0.008	0.012	0.484	0.020	75.257	TRUE	1.37E-17
FVC	HIP1R	cg06927717	rs12313006	T	C	0.383	0.052	0.062	2.56E-13	0.002	0.005	0.662	0.014	53.489	TRUE	5.22E-13
FVC	HIP1R	cg07706471	rs2100500	C	G	0.583	0.052	0.056	8.05E-29	0.003	0.005	0.577	0.032	124.023	TRUE	5.30E-28
FVC	HIP1R	cg08756735	rs11061056	A	G	0.568	0.073	0.027	6.61E-15	-0.032	0.007	1.98E-06	0.016	60.679	TRUE	3.46E-13
FVC	HIP1R	cg18912006	rs11057258	C	A	-0.520	0.070	0.033	1.06E-13	-0.013	0.007	0.063	0.015	55.227	TRUE	6.02E-13
FVC	HIP1R	cg18912006	rs12229119	G	A	-1.181	0.122	0.011	2.75E-22	-0.009	0.013	0.469	0.025	94.219	TRUE	1.29E-21
FVC	HIP1R	cg18912006	rs184652369	G	A	-0.294	0.048	0.063	1.27E-09	-0.002	0.006	0.701	0.010	36.842	TRUE	2.04E-09
FVC	HIP1R	cg18912006	rs200230649	C	T	-0.168	0.024	0.415	9.29E-13	0.003	0.002	0.152	0.014	50.961	TRUE	3.57E-12
FVC	HIP1R	cg18912006	rs4759354	A	G	-1.647	0.050	0.055	1.16E-238	-0.007	0.006	0.234	0.227	1087.695	TRUE	7.61E-215
FVC	HIP1R	cg18912006	rs61955214	T	C	-0.221	0.025	0.326	3.44E-18	-0.009	0.003	4.52E-04	0.020	75.579	TRUE	1.20E-16
FVC	HIP1R	cg18912006	rs7307887	C	T	-0.149	0.026	0.288	1.25E-08	0.001	0.003	0.752	0.009	32.391	TRUE	1.82E-08
FVC	HIP1R	cg18912006	rs73226103	G	C	0.366	0.048	0.064	4.12E-14	0.010	0.005	0.034	0.015	57.081	TRUE	2.95E-13
FVC	HIP1R	cg19340625	rs11058014	T	C	0.426	0.064	0.032	3.42E-11	-0.003	0.006	0.582	0.012	43.899	TRUE	6.63E-11
FVC	HIP1R	cg19340625	rs11060406	T	C	1.079	0.065	0.029	1.46E-61	-0.034	0.006	8.38E-08	0.069	273.931	TRUE	5.38E-56
FVC	HIP1R	cg19340625	rs7954704	G	A	0.288	0.040	0.099	9.27E-13	-0.012	0.004	0.002	0.014	50.964	TRUE	1.09E-11
FVC	HIP1R	cg21167157	rs10744422	T	C	-0.397	0.038	0.116	3.29E-25	-0.001	0.004	0.725	0.028	107.540	TRUE	1.33E-24
FVC	HIP1R	cg21167157	rs74615202	G	T	-0.348	0.056	0.056	5.01E-10	0.014	0.006	0.011	0.010	38.652	TRUE	3.03E-09
FVC	HIP1R	cg22842854	rs12313006	T	C	0.775	0.051	0.062	1.00E-51	0.002	0.005	0.662	0.058	228.843	TRUE	5.74E-50
FVC	HIP1R	cg22842854	rs61956095	T	C	0.584	0.104	0.015	2.26E-08	-0.004	0.009	0.664	0.008	31.243	TRUE	3.50E-08
FVC	HIP1R	cg22842854	rs839354	C	T	0.279	0.048	0.063	7.73E-09	-0.007	0.005	0.172	0.009	33.325	TRUE	2.05E-08
FVC	HIP1R	cg23970703	rs10848076	G	A	0.238	0.043	0.090	3.39E-08	-0.005	0.004	0.225	0.008	30.453	TRUE	8.01E-08
FVC	HIP1R	cg23970703	rs12313006	T	C	0.590	0.052	0.062	8.89E-30	0.002	0.005	0.662	0.034	128.394	TRUE	5.64E-29
FVC	HIP1R	cg23970703	rs1983098	G	A	0.274	0.046	0.077	1.78E-09	-0.007	0.005	0.158	0.010	36.178	TRUE	5.18E-09
FVC	HIP1R	cg25930673	rs548349	T	C	0.325	0.049	0.061	2.03E-11	-0.006	0.005	0.195	0.012	44.921	TRUE	6.48E-11
FVC	HIP1R	cg25930673	rs61956095	T	C	0.731	0.104	0.015	2.44E-12	-0.004	0.009	0.664	0.013	49.064	TRUE	4.68E-12
FVC	HIP1R	cg25930673	rs73421642	C	G	0.929	0.052	0.057	1.15E-72	0.003	0.005	0.613	0.081	324.871	TRUE	1.27E-69
FVC	HIP1R	cg25930673	rs7967318	C	T	0.154	0.023	0.462	4.20E-11	-0.006	0.002	0.012	0.012	43.497	TRUE	2.75E-10
FVC	HIP1R	cg26682900	rs7487095	A	G	0.389	0.046	0.074	1.55E-17	-0.005	0.005	0.318	0.019	72.611	TRUE	6.39E-17
FVC	HIPK2	cg00363312	rs10247507	A	G	0.230	0.034	0.140	1.18E-11	-0.002	0.003	0.645	0.012	45.973	TRUE	2.22E-11
FVC	HIPK2	cg00363312	rs10954651	G	T	-0.353	0.034	0.335	9.22E-26	0.001	0.003	0.855	0.029	110.062	TRUE	3.35E-25
FVC	HIPK2	cg00363312	rs7781224	G	T	0.198	0.032	0.165	7.97E-10	0.004	0.003	0.198	0.010	37.748	TRUE	2.21E-09
FVC	HIPK2	cg01581050	rs74531640	G	A	-0.733	0.100	0.016	2.33E-13	-0.005	0.010	0.628	0.014	53.674	TRUE	4.91E-13
FVC	HIPK2	cg03202545	rs10954654	T	C	0.194	0.027	0.264	4.83E-13	0.004	0.003	0.107	0.014	52.244	TRUE	2.15E-12
FVC	HIPK2	cg03224163	rs1860509	G	T	-0.183	0.030	0.184	7.81E-10	0.011	0.003	1.73E-04	0.010	37.787	TRUE	8.90E-09

FVC	HIPK2	cg03369382	rs11769961	C	A	-0.164	0.030	0.190	4.35E-08	0.011	0.003	3.33E-04	0.008	29.972	TRUE	3.39E-07
FVC	HIPK2	cg03520802	rs193076588	G	C	-0.536	0.085	0.020	2.61E-10	0.002	0.009	0.818	0.011	39.925	TRUE	3.95E-10
FVC	HIPK2	cg03520802	rs73156837	A	G	-1.758	0.098	0.017	1.17E-71	0.001	0.010	0.935	0.080	320.261	TRUE	5.34E-69
FVC	HIPK2	cg11032313	rs4074827	A	G	-0.401	0.031	0.162	7.58E-38	0.010	0.003	0.001	0.043	165.285	TRUE	2.61E-35
FVC	HIPK2	cg11627968	rs10247507	A	G	-1.225	0.027	0.140	<1E-200	-0.002	0.003	0.645	0.353	2022.154	TRUE	<1E-200
FVC	HIPK2	cg11627968	rs10262234	C	T	-0.200	0.030	0.199	4.54E-11	0.007	0.003	0.016	0.012	43.343	TRUE	2.79E-10
FVC	HIPK2	cg11627968	rs10954651	G	T	0.242	0.034	0.335	1.15E-12	0.001	0.003	0.855	0.013	50.543	TRUE	1.91E-12
FVC	HIPK2	cg11627968	rs10954654	T	C	-0.315	0.027	0.264	4.33E-32	0.004	0.003	0.107	0.036	138.961	TRUE	1.20E-30
FVC	HIPK2	cg11627968	rs113802739	G	T	-1.091	0.177	0.011	7.84E-10	-0.005	0.010	0.651	0.010	37.780	TRUE	1.33E-09
FVC	HIPK2	cg11627968	rs185429996	A	G	-1.091	0.095	0.027	9.60E-31	-0.005	0.006	0.394	0.035	132.810	TRUE	1.02E-29
FVC	HIPK2	cg11627968	rs2530731	C	G	-0.217	0.027	0.238	4.71E-16	0.005	0.003	0.076	0.017	65.879	TRUE	3.10E-15
FVC	HIPK2	cg11627968	rs4725857	T	C	0.182	0.023	0.477	6.08E-15	-0.008	0.002	0.001	0.016	60.844	TRUE	1.01E-13
FVC	HIPK2	cg11627968	rs4732386	C	T	0.178	0.032	0.420	1.65E-08	0.001	0.002	0.554	0.009	31.857	TRUE	2.80E-08
FVC	HIPK2	cg11627968	rs7781224	G	T	-0.694	0.031	0.165	1.93E-109	0.004	0.003	0.198	0.118	493.724	TRUE	8.56E-103
FVC	HIPK2	cg11627968	rs7785404	T	C	-0.265	0.026	0.298	5.99E-25	0.004	0.003	0.175	0.028	106.354	TRUE	6.33E-24
FVC	HIPK2	cg11627968	rs7785516	C	T	0.301	0.054	0.117	2.45E-08	0.000	0.004	0.985	0.008	31.082	TRUE	3.05E-08
FVC	HIPK2	cg11627968	rs7788362	A	G	-0.459	0.040	0.089	6.02E-30	-0.003	0.004	0.449	0.034	129.167	TRUE	5.41E-29
FVC	HIPK2	cg11627968	rs9768699	C	T	-0.246	0.035	0.406	1.44E-12	0.002	0.002	0.443	0.013	50.100	TRUE	3.57E-12
FVC	HIPK2	cg14405813	rs10277664	T	C	0.212	0.024	0.404	4.06E-19	0.001	0.002	0.834	0.021	79.799	TRUE	9.64E-19
FVC	HIPK2	cg14405813	rs116909157	A	G	-0.634	0.098	0.014	9.17E-11	0.014	0.009	0.098	0.011	41.969	TRUE	3.46E-10
FVC	HIPK2	cg14405813	rs117869586	C	T	-0.538	0.069	0.026	5.91E-15	0.001	0.007	0.875	0.016	60.899	TRUE	1.07E-14
FVC	HIPK2	cg14405813	rs12703062	C	T	-0.720	0.029	0.184	9.95E-135	0.011	0.003	2.31E-04	0.142	609.906	TRUE	3.95E-123
FVC	HIPK2	cg14405813	rs1978180	T	C	-0.244	0.035	0.136	1.73E-12	0.010	0.004	0.005	0.013	49.745	TRUE	1.69E-11
FVC	HIPK2	cg14405813	rs68067734	G	C	-0.612	0.095	0.014	9.44E-11	0.007	0.009	0.469	0.011	41.912	TRUE	1.99E-10
FVC	HIPK2	cg14630106	rs12707451	C	T	0.145	0.024	0.472	1.35E-09	-0.009	0.002	2.09E-04	0.010	36.726	TRUE	1.42E-08
FVC	HIPK2	cg14630106	rs150564919	G	A	-0.536	0.071	0.029	5.87E-14	0.004	0.007	0.526	0.015	56.385	TRUE	1.42E-13
FVC	HIPK2	cg14630106	rs73486021	C	A	-0.500	0.042	0.089	6.84E-33	0.007	0.004	0.120	0.037	142.623	TRUE	1.97E-31
FVC	HIPK2	cg14630106	rs9718393	G	C	-0.600	0.025	0.313	4.17E-132	0.000	0.003	0.890	0.139	597.855	TRUE	2.92E-124
FVC	HIPK2	cg15039797	rs112288696	C	T	-0.177	0.030	0.182	5.79E-09	-0.003	0.003	0.394	0.009	33.887	TRUE	1.17E-08
FVC	HIPK2	cg15039797	rs41274212	C	T	-0.990	0.038	0.096	8.98E-152	-0.003	0.004	0.475	0.157	688.234	TRUE	3.81E-141
FVC	HIPK2	cg15039797	rs7801393	C	T	0.195	0.030	0.195	6.82E-11	0.005	0.003	0.093	0.011	42.546	TRUE	2.62E-10
FVC	HIPK2	cg15535471	rs1464798	A	G	0.278	0.032	0.453	3.57E-18	-0.003	0.002	0.236	0.020	75.504	TRUE	1.78E-17
FVC	HIPK2	cg18993778	rs10235001	T	C	-1.474	0.033	0.085	<1E-200	-0.003	0.004	0.413	0.347	1966.070	TRUE	<1E-200
FVC	HIPK2	cg18993778	rs10247507	A	G	-0.313	0.034	0.140	2.92E-20	-0.002	0.003	0.645	0.022	84.997	TRUE	9.24E-20
FVC	HIPK2	cg18993778	rs139128188	C	T	-1.175	0.161	0.013	2.42E-13	0.005	0.011	0.665	0.014	53.604	TRUE	4.89E-13
FVC	HIPK2	cg18993778	rs4732393	C	T	0.212	0.034	0.335	5.78E-10	0.003	0.003	0.179	0.010	38.374	TRUE	1.69E-09
FVC	HIPK2	cg18993778	rs78068411	T	C	-0.489	0.053	0.097	4.05E-20	-0.001	0.004	0.833	0.022	84.350	TRUE	1.02E-19
FVC	HIPK2	cg18993778	rs9801309	C	T	-0.231	0.042	0.188	2.60E-08	0.001	0.003	0.795	0.008	30.966	TRUE	3.67E-08
FVC	HIPK2	cg19246654	rs10276928	T	C	-0.784	0.038	0.097	4.51E-93	-0.003	0.004	0.390	0.102	418.547	TRUE	3.01E-88
FVC	HIPK2	cg19246654	rs78068411	T	C	-0.295	0.054	0.097	3.62E-08	-0.001	0.004	0.833	0.008	30.327	TRUE	4.93E-08
FVC	HIPK2	cg22164250	rs6952940	T	C	-0.451	0.082	0.020	4.40E-08	0.002	0.009	0.850	0.008	29.950	TRUE	5.93E-08
FVC	HIPK2	cg22164250	rs73156853	G	C	-1.304	0.100	0.016	8.53E-39	-0.003	0.010	0.731	0.044	169.627	TRUE	1.08E-37

FVC	HIPK2	cg23646343	rs1464798	A	G	0.455	0.032	0.453	7.81E-47	-0.003	0.002	0.236	0.053	206.428	TRUE	6.85E-45
FVC	HIPK2	cg23646343	rs6974895	G	C	-0.221	0.035	0.146	1.87E-10	0.005	0.003	0.147	0.011	40.573	TRUE	6.01E-10
FVC	HIPK2	cg23999318	rs1464798	A	G	0.258	0.032	0.453	1.00E-15	-0.003	0.002	0.236	0.017	64.390	TRUE	4.10E-15
FVC	HIPK2	cg24038192	rs10241798	C	T	-0.503	0.037	0.110	6.04E-42	-0.003	0.004	0.426	0.047	184.042	TRUE	1.83E-40
FVC	HIPK2	cg24540732	rs73156838	C	T	-1.177	0.098	0.017	5.50E-33	0.000	0.010	0.980	0.037	143.055	TRUE	2.87E-32
FVC	HRAS	cg05798318	rs10902171	G	C	-0.255	0.031	0.166	3.05E-16	-0.004	0.003	0.156	0.018	66.733	TRUE	1.58E-15
FVC	HRAS	cg05798318	rs111226498	G	A	0.619	0.041	0.097	6.31E-52	-0.010	0.004	0.015	0.058	229.764	TRUE	6.26E-49
FVC	HRAS	cg05798318	rs181328919	C	G	-0.294	0.040	0.103	1.14E-13	-0.004	0.004	0.263	0.015	55.085	TRUE	3.86E-13
FVC	HRAS	cg05798318	rs7395822	A	G	0.132	0.024	0.449	2.76E-08	-0.001	0.002	0.730	0.008	30.854	TRUE	4.04E-08
FVC	HRAS	cg05798318	rs7949926	T	C	0.324	0.042	0.089	1.11E-14	-0.004	0.004	0.296	0.016	59.659	TRUE	3.84E-14
FVC	HRAS	cg06143971	rs143735806	G	A	-0.657	0.072	0.028	1.04E-19	-0.003	0.007	0.715	0.022	82.478	TRUE	2.96E-19
FVC	HRAS	cg06143971	rs151245327	G	A	-0.934	0.152	0.013	7.79E-10	-0.010	0.010	0.318	0.010	37.792	TRUE	1.83E-09
FVC	HRAS	cg06143971	rs200023191	G	A	-0.424	0.041	0.079	5.23E-25	-0.002	0.004	0.702	0.028	106.622	TRUE	2.14E-24
FVC	HRAS	cg06143971	rs36180797	T	C	-0.233	0.032	0.153	6.25E-13	-0.007	0.003	0.027	0.014	51.738	TRUE	4.19E-12
FVC	HRAS	cg06143971	rs45558638	A	G	-0.903	0.038	0.103	9.35E-126	-0.012	0.004	0.004	0.133	568.676	TRUE	5.34E-116
FVC	HRAS	cg06143971	rs7102822	A	G	0.140	0.024	0.387	4.06E-09	0.004	0.002	0.133	0.009	34.574	TRUE	1.20E-08
FVC	HRAS	cg06143971	rs73407148	C	G	-0.304	0.034	0.134	4.07E-19	-0.001	0.004	0.711	0.021	79.793	TRUE	1.11E-18
FVC	HRAS	cg08141873	rs10794321	G	T	0.459	0.029	0.207	4.29E-56	-0.002	0.003	0.541	0.063	248.867	TRUE	5.47E-54
FVC	HRAS	cg08141873	rs10902177	G	A	0.445	0.034	0.122	3.56E-38	-0.003	0.004	0.355	0.043	166.788	TRUE	8.81E-37
FVC	HRAS	cg08141873	rs111314084	A	G	0.512	0.081	0.046	3.15E-10	-0.008	0.006	0.164	0.011	39.560	TRUE	9.64E-10
FVC	HRAS	cg08141873	rs11246280	C	T	-0.156	0.024	0.466	3.46E-11	0.002	0.002	0.381	0.012	43.876	TRUE	8.25E-11
FVC	HRAS	cg08141873	rs11600185	T	C	0.385	0.034	0.140	1.70E-29	0.002	0.003	0.630	0.033	127.105	TRUE	1.09E-28
FVC	HRAS	cg08141873	rs117191642	T	C	-1.217	0.121	0.010	1.29E-23	0.004	0.012	0.755	0.026	100.282	TRUE	4.49E-23
FVC	HRAS	cg08141873	rs36089917	G	A	0.321	0.026	0.290	5.17E-36	-0.009	0.003	8.69E-04	0.041	156.894	TRUE	1.72E-33
FVC	HRAS	cg08141873	rs61876729	G	A	0.265	0.040	0.091	2.50E-11	0.004	0.004	0.328	0.012	44.510	TRUE	6.43E-11
FVC	HRAS	cg08141873	rs61877803	T	C	0.613	0.054	0.049	5.82E-30	0.000	0.005	0.981	0.034	129.233	TRUE	2.38E-29
FVC	HRAS	cg08141873	rs6421968	T	G	0.190	0.028	0.222	7.37E-12	0.003	0.003	0.277	0.013	46.901	TRUE	2.14E-11
FVC	HRAS	cg08141873	rs72848745	A	G	-0.224	0.027	0.261	4.14E-17	0.004	0.003	0.170	0.019	70.669	TRUE	2.23E-16
FVC	HRAS	cg12989344	rs10794324	T	C	0.164	0.028	0.229	5.50E-09	0.001	0.003	0.848	0.009	33.987	TRUE	7.66E-09
FVC	HRAS	cg12989344	rs12628	G	A	0.374	0.025	0.341	2.26E-51	-0.010	0.003	5.92E-05	0.058	227.222	TRUE	1.76E-47
FVC	HRAS	cg12989344	rs72848745	A	G	-0.166	0.027	0.261	3.81E-10	0.004	0.003	0.170	0.010	39.187	TRUE	1.14E-09
FVC	HRAS	cg12989344	rs76185932	G	A	0.283	0.046	0.068	5.43E-10	-0.004	0.005	0.389	0.010	38.495	TRUE	1.18E-09
FVC	HRAS	cg16229772	rs11246161	T	C	-0.230	0.036	0.125	1.70E-10	-0.013	0.004	3.61E-04	0.011	40.759	TRUE	2.01E-09
FVC	HRAS	cg22174486	rs72845867	T	G	0.236	0.041	0.080	9.50E-09	-0.002	0.004	0.702	0.009	32.924	TRUE	1.46E-08
FVC	HRAS	cg22174486	rs7949926	T	C	0.305	0.042	0.089	3.41E-13	-0.004	0.004	0.296	0.014	52.927	TRUE	1.06E-12
FVC	HRAS	cg22174486	rs8176332	T	G	0.597	0.039	0.103	2.59E-53	-0.012	0.004	0.003	0.060	236.118	TRUE	7.14E-50
FVC	HSBP1	cg00255799	rs40009	A	G	-0.160	0.023	0.496	7.48E-12	-0.001	0.002	0.831	0.013	46.871	TRUE	1.20E-11
FVC	HSBP1	cg00255799	rs463480	T	A	-0.167	0.030	0.199	2.05E-08	0.001	0.003	0.827	0.008	31.433	TRUE	2.86E-08
FVC	HSBP1	cg00255799	rs707236	A	T	0.357	0.024	0.335	2.47E-48	-0.001	0.003	0.818	0.055	213.299	TRUE	7.26E-47
FVC	HSBP1	cg00255799	rs7206133	G	A	0.342	0.031	0.168	1.66E-28	0.003	0.003	0.420	0.032	122.592	TRUE	1.39E-27
FVC	HSBP1	cg00255799	rs8061248	C	T	-0.138	0.024	0.430	7.07E-09	0.003	0.002	0.271	0.009	33.496	TRUE	1.62E-08
FVC	HSBP1	cg00392914	rs3743623	T	G	-0.133	0.024	0.434	1.88E-08	-0.006	0.002	0.018	0.008	31.599	TRUE	8.16E-08

FVC	HSBP1	cg02319392	rs7206133	G	A	0.236	0.031	0.168	2.43E-14	0.003	0.003	0.420	0.015	58.121	TRUE	6.85E-14
FVC	HSBP1	cg05518022	rs12925801	A	T	-0.327	0.055	0.045	3.54E-09	0.008	0.006	0.186	0.009	34.844	TRUE	9.48E-09
FVC	HSBP1	cg05518022	rs138107830	G	A	0.358	0.047	0.065	4.52E-14	0.004	0.006	0.537	0.015	56.896	TRUE	1.10E-13
FVC	HSBP1	cg05518022	rs149742918	G	A	0.420	0.076	0.024	2.94E-08	-0.006	0.008	0.441	0.008	30.732	TRUE	5.44E-08
FVC	HSBP1	cg05518022	rs150320951	C	G	-0.306	0.051	0.050	2.13E-09	0.000	0.005	0.952	0.010	35.834	TRUE	2.80E-09
FVC	HSBP1	cg05518022	rs16961876	G	C	-0.305	0.035	0.122	5.17E-18	0.002	0.004	0.543	0.020	74.774	TRUE	1.61E-17
FVC	HSBP1	cg05518022	rs17778083	A	G	-0.523	0.069	0.077	2.27E-14	-0.002	0.005	0.668	0.016	58.250	TRUE	4.85E-14
FVC	HSBP1	cg05518022	rs2164662	T	C	0.265	0.024	0.395	5.49E-29	-0.001	0.002	0.799	0.033	124.781	TRUE	2.67E-28
FVC	HSBP1	cg05518022	rs28483661	C	T	-0.360	0.039	0.102	2.52E-20	0.001	0.004	0.900	0.023	85.286	TRUE	6.01E-20
FVC	HSBP1	cg05518022	rs34854932	G	A	-0.230	0.030	0.192	2.19E-14	0.003	0.003	0.238	0.016	58.319	TRUE	8.36E-14
FVC	HSBP1	cg05518022	rs3943925	A	G	0.253	0.024	0.406	7.68E-27	-0.002	0.002	0.460	0.030	114.986	TRUE	5.29E-26
FVC	HSBP1	cg05518022	rs4522	A	G	0.713	0.021	0.442	6.96E-251	-0.005	0.002	0.045	0.236	1143.902	TRUE	7.41E-224
FVC	HSBP1	cg05518022	rs62047501	A	T	0.489	0.069	0.057	9.72E-13	-0.003	0.006	0.634	0.014	50.873	TRUE	1.96E-12
FVC	HSBP1	cg05518022	rs6563966	T	G	0.144	0.026	0.281	3.13E-08	-0.002	0.003	0.414	0.008	30.611	TRUE	5.90E-08
FVC	HSBP1	cg05518022	rs6563984	T	A	-0.278	0.037	0.120	5.42E-14	0.000	0.004	0.931	0.015	56.542	TRUE	8.85E-14
FVC	HSBP1	cg05518022	rs707237	G	A	-0.223	0.025	0.335	5.09E-19	0.000	0.003	0.906	0.021	79.349	TRUE	1.12E-18
FVC	HSBP1	cg05518022	rs72799104	G	A	-0.180	0.027	0.246	5.02E-11	0.000	0.003	0.888	0.012	43.144	TRUE	7.49E-11
FVC	HSBP1	cg05518022	rs72804785	T	C	0.353	0.064	0.032	4.20E-08	-0.002	0.006	0.717	0.008	30.039	TRUE	6.20E-08
FVC	HSBP1	cg05518022	rs76421473	G	A	0.396	0.064	0.034	5.14E-10	0.016	0.006	0.011	0.010	38.603	TRUE	3.03E-09
FVC	HSBP1	cg05518022	rs8046897	G	A	0.263	0.023	0.494	1.24E-29	0.000	0.002	0.989	0.033	127.731	TRUE	4.85E-29
FVC	HSBP1	cg12815697	rs33096	C	G	0.161	0.027	0.240	4.40E-09	0.004	0.003	0.148	0.009	34.418	TRUE	1.25E-08
FVC	HSBP1	cg12815697	rs34704079	A	G	1.188	0.114	0.020	2.56E-25	0.001	0.009	0.884	0.028	108.041	TRUE	8.51E-25
FVC	HSBP1	cg12815697	rs8050393	T	C	0.208	0.036	0.116	4.86E-09	0.001	0.004	0.876	0.009	34.228	TRUE	6.70E-09
FVC	HSBP1	cg27405010	rs7203154	G	A	-0.206	0.035	0.131	5.52E-09	0.000	0.004	0.933	0.009	33.979	TRUE	7.27E-09
FVC	HSBP1	cg27405010	rs7206133	G	A	0.353	0.031	0.168	2.54E-30	0.003	0.003	0.420	0.034	130.881	TRUE	2.51E-29
FVC	HSBP1	cg27405010	rs889494	A	G	0.288	0.025	0.337	8.60E-32	0.000	0.003	0.925	0.036	137.598	TRUE	4.32E-31
FVC	HSP90AA1	cg02017208	rs111810795	C	T	-0.237	0.039	0.093	8.82E-10	0.003	0.004	0.419	0.010	37.549	TRUE	1.85E-09
FVC	HSP90AA1	cg02017208	rs112800775	T	C	-0.568	0.084	0.020	1.37E-11	0.013	0.008	0.130	0.012	45.684	TRUE	5.06E-11
FVC	HSP90AA1	cg02017208	rs11621083	T	A	-0.688	0.031	0.154	4.24E-107	0.016	0.003	1.97E-06	0.115	482.967	TRUE	1.23E-97
FVC	HSP90AA1	cg02017208	rs116948773	T	C	-0.419	0.057	0.038	1.90E-13	0.007	0.006	0.219	0.014	54.076	TRUE	6.83E-13
FVC	HSP90AA1	cg02017208	rs12896205	A	G	-0.493	0.066	0.034	7.42E-14	0.009	0.006	0.155	0.015	55.925	TRUE	3.17E-13
FVC	HSP90AA1	cg02017208	rs148390046	A	G	-0.579	0.074	0.025	5.75E-15	0.016	0.008	0.033	0.016	60.953	TRUE	4.57E-14
FVC	HSP90AA1	cg02017208	rs736449	T	C	-0.263	0.041	0.090	9.94E-11	0.006	0.004	0.168	0.011	41.811	TRUE	3.13E-10
FVC	HSP90AA1	cg11789371	rs7156564	A	G	0.294	0.033	0.154	3.62E-19	0.015	0.003	3.60E-06	0.021	80.022	TRUE	3.44E-17
FVC	HSP90AA1	cg12776822	rs11621560	C	A	-0.330	0.025	0.314	1.10E-40	0.009	0.003	4.18E-04	0.046	178.275	TRUE	9.33E-38
FVC	HSP90AA1	cg12776822	rs117528223	T	C	-0.361	0.065	0.035	3.45E-08	0.004	0.006	0.526	0.008	30.421	TRUE	5.95E-08
FVC	HSP90AA1	cg12776822	rs139112447	T	C	-0.594	0.085	0.050	3.43E-12	0.008	0.006	0.146	0.013	48.402	TRUE	1.28E-11
FVC	HSP90AA1	cg12776822	rs140204865	T	G	-0.454	0.083	0.020	4.82E-08	-0.008	0.008	0.274	0.008	29.770	TRUE	1.05E-07
FVC	HSP90AA1	cg12776822	rs55804582	A	T	-0.258	0.037	0.119	1.69E-12	-0.004	0.004	0.350	0.013	49.789	TRUE	4.55E-12
FVC	HSP90AA1	cg23904247	rs6575894	C	T	0.358	0.049	0.061	3.60E-13	0.014	0.005	0.005	0.014	52.824	TRUE	3.68E-12
FVC	HSPA1B	cg04835051	rs1049709	C	T	0.271	0.031	0.170	2.85E-18	-0.018	0.003	1.39E-08	0.020	75.947	TRUE	5.89E-16
FVC	HSPA1B	cg04835051	rs2523834	A	T	0.155	0.025	0.334	7.57E-10	-0.014	0.003	9.09E-09	0.010	37.848	TRUE	2.62E-08

FVC	HSPA1B	cg04835051	rs2596464	T	C	-0.179	0.023	0.464	2.66E-14	0.005	0.002	0.035	0.015	57.939	TRUE	1.88E-13
FVC	HSPA1B	cg04835051	rs2763979	T	C	0.352	0.025	0.351	1.24E-46	-0.006	0.002	0.024	0.053	205.512	TRUE	4.81E-44
FVC	HSPA1B	cg04835051	rs41558815	A	G	-0.285	0.052	0.058	4.06E-08	-0.011	0.005	0.048	0.008	30.102	TRUE	1.41E-07
FVC	HSPA1B	cg04835051	rs9268199	G	A	-0.208	0.030	0.198	2.01E-12	0.025	0.003	1.44E-15	0.013	49.445	TRUE	4.96E-10
FVC	HSPA1B	cg04835051	rs9273455	T	C	0.267	0.028	0.188	3.39E-21	-0.012	0.004	0.003	0.024	89.253	TRUE	1.10E-19
FVC	HSPA1B	cg04835051	rs9274409	A	G	0.181	0.033	0.308	3.17E-08	0.003	0.003	0.402	0.008	30.584	TRUE	6.10E-08
FVC	HSPA1B	cg04835051	rs9276576	G	A	0.189	0.029	0.215	3.42E-11	-0.006	0.003	0.031	0.012	43.898	TRUE	1.85E-10
FVC	HSPA1B	cg13911590	rs12524467	A	G	0.470	0.079	0.024	2.47E-09	0.021	0.008	0.008	0.010	35.547	TRUE	1.40E-08
FVC	HSPA1B	cg16372051	rs1049709	C	T	0.230	0.031	0.170	1.29E-13	-0.018	0.003	1.39E-08	0.015	54.842	TRUE	1.05E-11
FVC	HSPA1B	cg16372051	rs144223778	C	G	0.408	0.065	0.033	2.55E-10	0.002	0.007	0.705	0.011	39.972	TRUE	4.21E-10
FVC	HSPA1B	cg16372051	rs2596464	T	C	-0.201	0.023	0.464	8.99E-18	0.005	0.002	0.035	0.020	73.684	TRUE	9.11E-17
FVC	HSPA1B	cg16372051	rs2763979	T	C	0.376	0.024	0.351	3.17E-53	-0.006	0.002	0.024	0.060	235.716	TRUE	3.13E-50
FVC	HSPA1B	cg16372051	rs9276577	G	A	0.209	0.029	0.202	9.29E-13	-0.006	0.003	0.045	0.014	50.961	TRUE	5.18E-12
FVC	HSPA1B	cg19159162	rs6457452	T	C	-0.301	0.051	0.052	3.93E-09	0.005	0.005	0.285	0.009	34.641	TRUE	9.06E-09
FVC	HSPA1B	cg19754746	rs35009002	C	A	-0.427	0.078	0.023	3.96E-08	0.001	0.008	0.874	0.008	30.154	TRUE	5.26E-08
FVC	HSPA1B	cg21080034	rs1131500	T	C	0.152	0.025	0.299	1.94E-09	0.009	0.003	4.39E-04	0.010	36.009	TRUE	1.83E-08
FVC	HSPA1B	cg21080034	rs116383515	C	T	0.265	0.048	0.062	4.73E-08	0.003	0.005	0.498	0.008	29.807	TRUE	8.23E-08
FVC	HSPA1B	cg21080034	rs2272592	T	C	-0.164	0.029	0.197	1.59E-08	0.022	0.003	4.04E-13	0.009	31.921	TRUE	8.39E-07
FVC	HSPA1B	cg21080034	rs385306	A	G	0.268	0.028	0.217	2.30E-21	0.006	0.003	0.055	0.024	90.024	TRUE	2.87E-20
FVC	HSPA1B	cg21080034	rs760294	A	C	0.229	0.037	0.104	7.83E-10	-0.003	0.004	0.368	0.010	37.781	TRUE	1.73E-09
FVC	HSPA1B	cg21080034	rs9267661	T	C	0.655	0.095	0.015	4.66E-12	0.025	0.009	0.005	0.013	47.798	TRUE	4.21E-11
FVC	HSPA1B	cg21080034	rs9469089	C	G	0.192	0.033	0.144	5.46E-09	0.002	0.003	0.617	0.009	34.000	TRUE	9.10E-09
FVC	HSPA1B	cg24239961	rs1049709	C	T	0.380	0.031	0.170	1.10E-34	-0.018	0.003	1.39E-08	0.039	150.827	TRUE	4.69E-31
FVC	HSPA1B	cg24239961	rs11576013	C	G	-0.513	0.089	0.021	7.06E-09	0.012	0.009	0.172	0.009	33.500	TRUE	1.90E-08
FVC	HSPA1B	cg24239961	rs1264309	G	A	-0.139	0.025	0.334	2.80E-08	-0.002	0.003	0.345	0.008	30.827	TRUE	5.63E-08
FVC	HSPA1B	cg24239961	rs1419881	A	G	0.201	0.023	0.488	7.13E-18	-0.013	0.002	3.19E-08	0.020	74.139	TRUE	1.24E-15
FVC	HSPA1B	cg24239961	rs144223778	C	G	0.470	0.065	0.033	3.18E-13	0.002	0.007	0.705	0.014	53.065	TRUE	6.13E-13
FVC	HSPA1B	cg24239961	rs17207748	C	T	0.306	0.054	0.047	1.74E-08	0.007	0.006	0.196	0.009	31.747	TRUE	4.34E-08
FVC	HSPA1B	cg24239961	rs2243873	C	A	0.192	0.024	0.459	7.81E-16	0.008	0.002	3.59E-04	0.017	64.882	TRUE	2.10E-14
FVC	HSPA1B	cg24239961	rs2523834	A	T	0.265	0.025	0.334	3.61E-26	-0.014	0.003	9.09E-09	0.029	111.920	TRUE	3.10E-23
FVC	HSPA1B	cg24239961	rs2596464	T	C	-0.225	0.023	0.464	7.03E-22	0.005	0.002	0.035	0.024	92.365	TRUE	1.09E-20
FVC	HSPA1B	cg24239961	rs2736165	G	A	0.409	0.060	0.041	8.07E-12	-0.016	0.007	0.020	0.012	46.724	TRUE	5.16E-11
FVC	HSPA1B	cg24239961	rs2763979	T	C	0.625	0.024	0.351	2.77E-152	-0.006	0.002	0.024	0.157	690.581	TRUE	6.11E-140
FVC	HSPA1B	cg24239961	rs547636337	A	T	-0.182	0.028	0.203	1.30E-10	-0.013	0.003	4.26E-06	0.011	41.293	TRUE	2.86E-09
FVC	HSPA1B	cg24239961	rs909253	G	A	0.180	0.024	0.360	1.68E-13	-0.019	0.002	1.53E-14	0.014	54.320	TRUE	4.83E-11
FVC	HSPA1B	cg24239961	rs9268199	G	A	-0.269	0.030	0.198	8.53E-20	0.025	0.003	1.44E-15	0.022	82.879	TRUE	1.40E-16
FVC	HSPA1B	cg24239961	rs9276577	G	A	0.321	0.029	0.202	2.19E-28	-0.006	0.003	0.045	0.032	122.042	TRUE	6.10E-27
FVC	HYAL1	cg03655330	rs35926495	T	C	-0.262	0.024	0.380	6.25E-28	-0.003	0.002	0.274	0.031	119.959	TRUE	6.96E-27
FVC	HYAL1	cg03655330	rs916288	A	G	-0.144	0.025	0.351	6.29E-09	0.002	0.003	0.426	0.009	33.725	TRUE	1.24E-08
FVC	HYAL1	cg04380576	rs140406358	A	G	0.522	0.087	0.029	1.60E-09	-0.024	0.007	3.30E-04	0.010	36.386	TRUE	1.59E-08
FVC	HYAL1	cg06360465	rs12637870	A	C	-0.184	0.030	0.189	4.74E-10	0.003	0.003	0.369	0.010	38.761	TRUE	1.05E-09
FVC	HYAL1	cg06360465	rs61731329	T	C	-1.893	0.161	0.011	4.88E-32	-0.005	0.010	0.595	0.036	138.722	TRUE	4.16E-31

FVC	HYAL2	cg07271561	rs114541445	G	A	-0.652	0.100	0.013	8.57E-11	0.002	0.010	0.831	0.011	42.101	TRUE	1.32E-10
FVC	HYAL2	cg07271561	rs142774456	G	C	-0.573	0.096	0.017	2.23E-09	-0.025	0.009	0.006	0.010	35.742	TRUE	1.35E-08
FVC	HYAL2	cg07271561	rs2073499	G	A	-0.662	0.034	0.131	1.41E-85	-0.010	0.003	0.005	0.094	384.138	TRUE	8.31E-80
FVC	HYAL2	cg07271561	rs2236952	G	C	-0.168	0.028	0.223	1.39E-09	-0.005	0.003	0.085	0.010	36.662	TRUE	4.78E-09
FVC	HYAL2	cg07271561	rs2526386	C	T	-0.241	0.031	0.164	6.61E-15	-0.010	0.003	0.001	0.016	60.679	TRUE	1.09E-13
FVC	HYAL2	cg07271561	rs2526399	T	C	-0.647	0.075	0.025	4.31E-18	-0.026	0.007	1.39E-04	0.020	75.132	TRUE	1.84E-16
FVC	HYAL2	cg07271561	rs79685183	T	C	-0.487	0.087	0.018	2.49E-08	0.025	0.008	0.002	0.008	31.054	TRUE	1.54E-07
FVC	HYAL2	cg12150256	rs7642692	C	T	-0.343	0.038	0.104	4.18E-19	-0.016	0.004	2.16E-05	0.021	79.741	TRUE	2.90E-17
FVC	HYAL2	cg12976582	rs12629572	G	T	-0.523	0.037	0.108	2.65E-44	-0.015	0.004	7.19E-05	0.050	194.840	TRUE	6.40E-41
FVC	HYAL2	cg12976582	rs9311447	T	C	-0.533	0.088	0.017	1.09E-09	-0.032	0.008	3.55E-05	0.010	37.128	TRUE	1.52E-08
FVC	HYAL2	cg13341668	rs12493985	G	T	-0.209	0.033	0.150	3.13E-10	-0.016	0.003	1.03E-06	0.011	39.573	TRUE	7.47E-09
FVC	HYAL2	cg13341668	rs12629572	G	T	-0.468	0.038	0.108	1.00E-35	-0.015	0.004	7.19E-05	0.040	155.578	TRUE	6.41E-33
FVC	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	0.005	0.003	0.043	0.015	57.336	TRUE	2.45E-13
FVC	IDUA	cg00187933	rs6827815	G	C	0.329	0.033	0.153	2.70E-23	-0.005	0.003	0.126	0.026	98.811	TRUE	2.96E-22
FVC	IDUA	cg00247629	rs11248057	G	C	-0.222	0.027	0.266	9.62E-17	-0.003	0.003	0.299	0.018	69.009	TRUE	3.85E-16
FVC	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	-0.004	0.002	0.135	0.011	40.958	TRUE	5.28E-10
FVC	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	-0.003	0.003	0.263	0.013	49.309	TRUE	6.52E-12
FVC	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	-0.001	0.002	0.652	0.065	258.356	TRUE	4.77E-56
FVC	IDUA	cg01572696	rs113130883	T	C	-0.155	0.028	0.228	4.00E-08	-0.002	0.003	0.468	0.008	30.132	TRUE	7.14E-08
FVC	IDUA	cg01572696	rs114358991	A	G	0.424	0.055	0.053	1.63E-14	-0.009	0.006	0.106	0.016	58.897	TRUE	8.35E-14
FVC	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	-0.001	0.004	0.712	0.022	81.973	TRUE	3.82E-19
FVC	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	-0.001	0.004	0.762	0.012	46.127	TRUE	1.84E-11
FVC	IDUA	cg01572696	rs17131820	C	G	0.206	0.034	0.141	2.08E-09	-0.001	0.003	0.758	0.010	35.878	TRUE	3.16E-09
FVC	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	-0.005	0.002	0.027	0.012	45.664	TRUE	8.00E-11
FVC	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	-0.003	0.003	0.323	0.015	54.952	TRUE	3.76E-13
FVC	IDUA	cg01572696	rs4647932	T	C	-0.822	0.049	0.065	1.55E-62	-0.003	0.005	0.489	0.070	278.407	TRUE	5.18E-60
FVC	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	0.000	0.002	0.889	0.049	189.624	TRUE	5.34E-42
FVC	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	-0.005	0.003	0.077	0.017	62.147	TRUE	1.98E-14
FVC	IDUA	cg01572696	rs6826191	G	A	-0.155	0.024	0.353	1.75E-10	0.004	0.003	0.111	0.011	40.709	TRUE	6.04E-10
FVC	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	0.002	0.005	0.713	0.022	84.609	TRUE	1.03E-19
FVC	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	-0.001	0.002	0.652	0.017	62.567	TRUE	5.87E-15
FVC	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	-0.004	0.005	0.447	0.021	79.226	TRUE	2.03E-18
FVC	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	0.000	0.002	0.889	0.016	60.197	TRUE	1.48E-14
FVC	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	0.002	0.005	0.713	0.009	35.354	TRUE	4.27E-09
FVC	IDUA	cg03889767	rs1078138	T	C	-0.287	0.030	0.193	4.00E-22	-0.002	0.003	0.497	0.025	93.479	TRUE	1.75E-21
FVC	IDUA	cg03889767	rs11946340	T	C	0.261	0.036	0.401	4.20E-13	-0.003	0.003	0.268	0.014	52.517	TRUE	1.32E-12
FVC	IDUA	cg03889767	rs151010222	T	C	-0.996	0.095	0.015	1.31E-25	-0.011	0.010	0.233	0.029	109.372	TRUE	1.27E-24
FVC	IDUA	cg03889767	rs188911015	A	G	-0.998	0.068	0.030	2.94E-48	0.000	0.007	0.981	0.054	212.955	TRUE	6.39E-47
FVC	IDUA	cg03889767	rs28569895	T	A	-0.320	0.030	0.193	5.08E-27	-0.009	0.003	0.002	0.030	115.806	TRUE	3.82E-25
FVC	IDUA	cg03889767	rs3806760	A	G	-0.288	0.025	0.327	8.18E-31	0.005	0.003	0.060	0.035	133.126	TRUE	2.72E-29
FVC	IDUA	cg03889767	rs4569707	G	C	-0.149	0.026	0.278	1.39E-08	0.002	0.003	0.399	0.009	32.177	TRUE	2.75E-08
FVC	IDUA	cg03889767	rs56968267	G	A	0.183	0.024	0.461	1.45E-14	0.001	0.002	0.550	0.016	59.128	TRUE	3.53E-14

FVC	IDUA	cg03889767	rs6848199	T	C	-0.291	0.024	0.363	5.23E-34	-0.001	0.002	0.719	0.038	147.726	TRUE	4.42E-33
FVC	IDUA	cg03889767	rs75675915	G	T	-0.458	0.072	0.030	2.39E-10	-0.004	0.007	0.585	0.011	40.094	TRUE	4.41E-10
FVC	IDUA	cg03889767	rs77186370	A	C	-1.039	0.117	0.016	5.29E-19	0.003	0.008	0.753	0.021	79.276	TRUE	1.36E-18
FVC	IDUA	cg03889767	rs78564282	A	C	-0.593	0.057	0.042	8.72E-26	0.000	0.006	0.947	0.029	110.172	TRUE	2.79E-25
FVC	IDUA	cg03889767	rs80269477	T	G	-1.201	0.082	0.043	9.84E-49	0.004	0.006	0.437	0.055	215.131	TRUE	6.24E-47
FVC	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	-0.006	0.003	0.034	0.010	38.835	TRUE	2.09E-09
FVC	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	0.004	0.008	0.622	0.020	76.262	TRUE	7.05E-18
FVC	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	-0.006	0.003	0.034	0.011	40.004	TRUE	1.18E-09
FVC	IDUA	cg08160350	rs115790973	G	C	0.428	0.033	0.154	2.17E-38	-0.006	0.003	0.065	0.043	167.769	TRUE	1.60E-36
FVC	IDUA	cg08160350	rs17165126	C	G	0.498	0.084	0.021	2.94E-09	-0.017	0.008	0.027	0.009	35.207	TRUE	1.31E-08
FVC	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	0.005	0.003	0.043	0.013	48.909	TRUE	1.48E-11
FVC	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	0.001	0.003	0.690	0.010	35.619	TRUE	3.78E-09
FVC	IDUA	cg08332990	rs115790973	G	C	0.297	0.033	0.154	3.48E-19	-0.006	0.003	0.065	0.021	80.103	TRUE	3.26E-18
FVC	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	0.005	0.003	0.043	0.011	41.490	TRUE	5.52E-10
FVC	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	-0.004	0.003	0.080	0.009	32.544	TRUE	3.78E-08
FVC	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	-0.004	0.002	0.135	0.020	77.335	TRUE	9.93E-18
FVC	IDUA	cg14652403	rs187658856	C	G	-0.298	0.037	0.108	1.14E-15	0.000	0.004	0.927	0.017	64.137	TRUE	2.02E-15
FVC	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	-0.001	0.002	0.656	0.010	36.272	TRUE	2.84E-09
FVC	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	0.002	0.002	0.338	0.050	193.196	TRUE	2.86E-42
FVC	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	0.002	0.005	0.713	0.010	39.051	TRUE	6.67E-10
FVC	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	-0.003	0.004	0.386	0.008	29.766	TRUE	9.31E-08
FVC	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	0.003	0.002	0.208	0.010	36.545	TRUE	4.02E-09
FVC	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	-0.003	0.003	0.340	0.048	184.678	TRUE	1.71E-40
FVC	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	-0.003	0.003	0.263	0.027	102.180	TRUE	3.79E-23
FVC	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	0.002	0.005	0.648	0.009	32.063	TRUE	2.36E-08
FVC	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	0.010	0.009	0.261	0.013	50.559	TRUE	3.55E-12
FVC	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	0.005	0.003	0.054	0.019	69.755	TRUE	5.25E-16
FVC	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	0.001	0.003	0.679	0.010	36.376	TRUE	2.61E-09
FVC	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	0.001	0.002	0.758	0.011	41.224	TRUE	2.15E-10
FVC	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	-0.005	0.003	0.115	0.046	179.864	TRUE	3.71E-39
FVC	IDUA	cg15138543	rs117560503	A	G	0.543	0.088	0.020	8.39E-10	-0.012	0.009	0.148	0.010	37.647	TRUE	2.55E-09
FVC	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	-0.003	0.003	0.268	0.012	44.025	TRUE	8.72E-11
FVC	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	-0.001	0.005	0.820	0.010	36.653	TRUE	2.04E-09
FVC	IDUA	cg15138543	rs138298498	A	G	0.592	0.059	0.040	7.43E-24	0.017	0.006	0.002	0.027	101.367	TRUE	3.50E-22
FVC	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	0.007	0.006	0.209	0.032	123.516	TRUE	1.43E-27
FVC	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	0.004	0.003	0.158	0.403	2493.113	TRUE	<1E-200
FVC	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	-0.005	0.004	0.158	0.023	88.732	TRUE	3.43E-20
FVC	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	0.002	0.002	0.310	0.025	93.491	TRUE	2.36E-21
FVC	IDUA	cg15138543	rs3822028	C	T	-0.270	0.035	0.125	2.66E-14	-0.006	0.004	0.075	0.015	57.943	TRUE	1.51E-13
FVC	IDUA	cg15138543	rs4647931	T	G	-0.459	0.084	0.017	4.02E-08	-0.002	0.008	0.754	0.008	30.124	TRUE	5.77E-08
FVC	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	0.007	0.002	0.004	0.044	168.413	TRUE	4.46E-36
FVC	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	-0.003	0.003	0.375	0.030	113.010	TRUE	1.61E-25

FVC	IDUA	cg15138543	rs57186616	A	G	-0.272	0.032	0.155	4.86E-17	-0.004	0.003	0.218	0.019	70.353	TRUE	2.30E-16
FVC	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	0.002	0.003	0.597	0.044	170.556	TRUE	8.52E-38
FVC	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	-0.005	0.003	0.177	0.009	34.920	TRUE	9.16E-09
FVC	IDUA	cg15138543	rs6599389	A	G	0.696	0.044	0.080	1.14E-57	-0.006	0.005	0.188	0.065	256.094	TRUE	5.20E-55
FVC	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	-0.002	0.005	0.745	0.038	146.399	TRUE	7.90E-33
FVC	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	-0.005	0.003	0.147	0.012	45.151	TRUE	6.36E-11
FVC	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	0.000	0.003	0.990	0.033	125.887	TRUE	1.19E-28
FVC	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	-0.005	0.004	0.254	0.023	86.012	TRUE	1.03E-19
FVC	IDUA	cg15138543	rs900030	C	T	0.335	0.043	0.084	1.08E-14	0.002	0.005	0.686	0.016	59.714	TRUE	2.31E-14
FVC	IDUA	cg21616051	rs1064839	G	C	0.222	0.026	0.289	4.80E-17	-0.004	0.003	0.160	0.019	70.381	TRUE	2.67E-16
FVC	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	0.010	0.009	0.296	0.063	248.815	TRUE	1.05E-53
FVC	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	0.005	0.003	0.054	0.018	69.409	TRUE	6.22E-16
FVC	IDUA	cg21616051	rs11931773	C	G	0.252	0.028	0.216	7.67E-19	-0.004	0.003	0.137	0.021	78.541	TRUE	5.26E-18
FVC	IDUA	cg21616051	rs138298498	A	G	-1.430	0.057	0.040	1.73E-140	0.017	0.006	0.002	0.147	636.375	TRUE	7.92E-129
FVC	IDUA	cg21616051	rs141985622	T	A	-0.892	0.106	0.026	4.99E-17	-0.004	0.007	0.588	0.019	70.301	TRUE	1.37E-16
FVC	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	0.001	0.004	0.910	0.053	205.066	TRUE	3.20E-45
FVC	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	-0.005	0.003	0.097	0.022	84.731	TRUE	2.98E-19
FVC	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	-0.005	0.004	0.158	0.014	51.718	TRUE	2.43E-12
FVC	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	0.003	0.002	0.231	0.187	851.571	TRUE	1.73E-171
FVC	IDUA	cg21616051	rs3822022	G	A	-0.231	0.025	0.314	6.15E-20	0.004	0.003	0.116	0.022	83.524	TRUE	5.05E-19
FVC	IDUA	cg21616051	rs3822028	C	T	0.219	0.036	0.125	7.05E-10	-0.006	0.004	0.075	0.010	37.987	TRUE	2.62E-09
FVC	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	0.007	0.002	0.004	0.026	100.280	TRUE	5.26E-22
FVC	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	0.002	0.003	0.597	0.018	67.861	TRUE	4.49E-16
FVC	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	0.001	0.004	0.827	0.010	37.160	TRUE	1.58E-09
FVC	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	0.000	0.005	0.949	0.014	54.084	TRUE	2.97E-13
FVC	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	-0.005	0.004	0.254	0.009	35.104	TRUE	7.55E-09
FVC	IDUA	cg21616051	rs900030	C	T	-0.423	0.043	0.084	1.24E-22	0.002	0.005	0.686	0.025	95.793	TRUE	4.40E-22
FVC	IDUA	cg21628539	rs6829197	C	G	-0.206	0.030	0.193	6.62E-12	-0.005	0.003	0.122	0.013	47.112	TRUE	2.58E-11
FVC	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	-0.001	0.002	0.724	0.011	41.338	TRUE	2.08E-10
FVC	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	0.001	0.002	0.594	0.010	36.378	TRUE	2.83E-09
FVC	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	-0.003	0.007	0.669	0.011	39.940	TRUE	4.43E-10
FVC	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	-0.004	0.003	0.211	0.034	129.133	TRUE	9.34E-29
FVC	IDUA	cg23332689	rs34406303	C	G	0.595	0.042	0.083	5.19E-46	0.001	0.004	0.888	0.052	202.663	TRUE	1.04E-44
FVC	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	0.007	0.002	0.004	0.013	47.425	TRUE	5.37E-11
FVC	IDUA	cg23332689	rs6829197	C	G	-0.218	0.030	0.193	2.38E-13	-0.005	0.003	0.122	0.014	53.633	TRUE	1.05E-12
FVC	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	-0.003	0.003	0.273	0.009	32.172	TRUE	3.13E-08
FVC	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	-0.005	0.003	0.118	0.017	65.394	TRUE	3.36E-15
FVC	IDUA	cg27494429	rs4647940	G	C	0.268	0.036	0.150	1.51E-13	-0.007	0.003	0.034	0.015	54.525	TRUE	1.04E-12
FVC	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	-0.001	0.002	0.762	0.018	66.061	TRUE	9.16E-16
FVC	IFI27	cg10778971	rs7143873	A	T	-0.170	0.027	0.259	1.50E-10	-0.003	0.003	0.289	0.011	41.006	TRUE	3.88E-10
FVC	IFI27	cg14352715	rs2239645	A	G	0.388	0.068	0.059	9.47E-09	-0.008	0.006	0.130	0.009	32.930	TRUE	2.72E-08
FVC	IFI27	cg18443806	rs147640979	G	A	-1.940	0.098	0.012	1.75E-87	-0.021	0.011	0.046	0.096	392.891	TRUE	3.44E-82

FVC	IFI27	cg18443806	rs2145496	C	T	-0.519	0.079	0.021	4.99E-11	0.008	0.009	0.367	0.012	43.158	TRUE	1.20E-10
FVC	IFI27	cg18443806	rs28373907	C	T	-0.176	0.032	0.149	4.88E-08	-0.007	0.003	0.024	0.008	29.746	TRUE	1.93E-07
FVC	IFI27	cg18443806	rs4905163	G	A	0.129	0.023	0.496	3.66E-08	-0.004	0.002	0.103	0.008	30.306	TRUE	1.04E-07
FVC	IFI27	cg23038560	rs7141881	A	G	-0.287	0.024	0.379	1.19E-33	-0.005	0.002	0.057	0.038	146.095	TRUE	5.66E-32
FVC	IFI27L2	cg18050213	rs143824994	T	G	-1.313	0.167	0.011	3.55E-15	0.002	0.012	0.861	0.016	61.900	TRUE	6.59E-15
FVC	IFI27L2	cg19511435	rs10145931	C	T	0.472	0.032	0.149	9.73E-50	-0.008	0.003	0.022	0.056	219.736	TRUE	5.67E-47
FVC	IFI27L2	cg19511435	rs111636997	C	T	0.423	0.041	0.094	3.93E-25	-0.009	0.004	0.022	0.028	107.190	TRUE	1.06E-23
FVC	IFI27L2	cg19511435	rs11627448	T	C	0.573	0.033	0.140	3.73E-68	0.000	0.003	0.999	0.076	304.181	TRUE	9.04E-66
FVC	IFI27L2	cg19511435	rs12892767	A	G	-0.254	0.024	0.439	5.86E-27	-0.002	0.002	0.320	0.030	115.524	TRUE	5.26E-26
FVC	IFI27L2	cg19511435	rs146776007	T	C	0.856	0.097	0.017	1.32E-18	0.015	0.009	0.081	0.021	77.462	TRUE	1.10E-17
FVC	IFI27L2	cg19511435	rs147892697	T	G	0.576	0.080	0.019	4.86E-13	-0.015	0.008	0.048	0.014	52.232	TRUE	2.80E-12
FVC	IFI27L2	cg19511435	rs1956173	A	G	0.391	0.034	0.138	6.14E-30	-0.003	0.004	0.432	0.034	129.129	TRUE	5.68E-29
FVC	IFI27L2	cg19511435	rs1980618	A	T	-0.186	0.024	0.356	2.14E-14	-0.002	0.003	0.450	0.016	58.367	TRUE	5.86E-14
FVC	IFI27L2	cg19511435	rs2273514	C	T	1.017	0.024	0.197	<1E-200	-0.003	0.003	0.329	0.328	1802.939	TRUE	<1E-200
FVC	IFI27L2	cg19511435	rs2281519	A	G	-0.194	0.027	0.249	5.86E-13	0.004	0.003	0.183	0.014	51.865	TRUE	2.16E-12
FVC	IFI27L2	cg19511435	rs2402387	G	A	0.198	0.024	0.414	3.50E-17	-0.005	0.002	0.027	0.019	71.002	TRUE	3.68E-16
FVC	IFI27L2	cg19511435	rs28929474	T	C	0.618	0.085	0.018	3.25E-13	0.021	0.009	0.013	0.014	53.025	TRUE	2.68E-12
FVC	IFI27L2	cg19511435	rs79694611	G	A	0.597	0.092	0.017	9.01E-11	0.009	0.009	0.292	0.011	42.003	TRUE	2.34E-10
FVC	IFI27L2	cg19511435	rs8006631	A	C	0.310	0.023	0.460	2.40E-41	-0.007	0.002	0.006	0.047	181.295	TRUE	8.19E-39
FVC	IFI27L2	cg21206949	rs1114	A	G	0.299	0.042	0.083	1.23E-12	-0.010	0.004	0.021	0.013	50.418	TRUE	8.63E-12
FVC	IFI27L2	cg21206949	rs12434998	C	T	-0.135	0.024	0.359	1.95E-08	0.004	0.003	0.110	0.008	31.523	TRUE	5.73E-08
FVC	IFI27L2	cg21206949	rs12896856	C	T	0.274	0.029	0.189	1.55E-20	-0.001	0.003	0.640	0.023	86.248	TRUE	5.05E-20
FVC	IFI27L2	cg21206949	rs146776007	T	C	0.569	0.097	0.017	5.31E-09	0.015	0.009	0.081	0.009	34.055	TRUE	1.77E-08
FVC	IFI27L2	cg21206949	rs1980618	A	T	-0.141	0.024	0.356	7.99E-09	-0.002	0.003	0.450	0.009	33.259	TRUE	1.53E-08
FVC	IFI27L2	cg21206949	rs4905164	G	A	0.387	0.023	0.423	1.50E-62	-0.006	0.002	0.009	0.070	278.475	TRUE	1.03E-58
FVC	IFI27L2	cg21206949	rs78362970	C	T	0.423	0.056	0.044	2.72E-14	-0.002	0.005	0.754	0.015	57.894	TRUE	5.32E-14
FVC	IFI27L2	cg21206949	rs79694611	G	A	0.760	0.092	0.017	1.38E-16	0.009	0.009	0.292	0.018	68.296	TRUE	5.55E-16
FVC	IGF2R	cg02744937	rs761388	G	A	-0.270	0.039	0.120	5.40E-12	0.004	0.004	0.254	0.013	47.510	TRUE	1.62E-11
FVC	IGF2R	cg03634777	rs148098552	C	T	-0.271	0.048	0.074	1.93E-08	0.003	0.005	0.543	0.008	31.549	TRUE	3.30E-08
FVC	IGF2R	cg03634777	rs3798178	G	A	-0.229	0.026	0.377	2.32E-18	-0.001	0.002	0.666	0.020	76.352	TRUE	6.51E-18
FVC	IGF2R	cg03634777	rs662138	G	C	0.288	0.031	0.195	4.26E-20	-0.002	0.003	0.519	0.022	84.249	TRUE	1.56E-19
FVC	IGF2R	cg05291059	rs7746102	C	T	0.172	0.030	0.228	1.31E-08	-0.001	0.003	0.710	0.009	32.303	TRUE	1.97E-08
FVC	IGF2R	cg06180108	rs3737088	T	C	-0.381	0.060	0.048	2.74E-10	-0.004	0.006	0.517	0.011	39.832	TRUE	5.36E-10
FVC	IGF2R	cg10512472	rs138112329	A	G	0.272	0.044	0.086	5.79E-10	-0.002	0.004	0.688	0.010	38.370	TRUE	9.61E-10
FVC	IGF2R	cg10512472	rs3777392	T	C	-0.232	0.041	0.106	1.45E-08	0.000	0.004	0.919	0.009	32.102	TRUE	1.90E-08
FVC	IGF2R	cg10512472	rs3798207	G	A	-0.231	0.036	0.147	1.49E-10	0.001	0.003	0.879	0.011	41.017	TRUE	2.18E-10
FVC	IGF2R	cg10512472	rs609043	C	T	-0.227	0.030	0.234	2.19E-14	-0.001	0.003	0.732	0.016	58.324	TRUE	4.38E-14
FVC	IGF2R	cg10512472	rs707771	T	C	0.187	0.026	0.394	2.68E-13	0.001	0.002	0.708	0.014	53.402	TRUE	5.20E-13
FVC	IGF2R	cg10512472	rs791198	T	C	0.193	0.027	0.341	7.61E-13	0.006	0.003	0.015	0.014	51.352	TRUE	5.89E-12
FVC	IGF2R	cg10512472	rs806383	T	C	0.155	0.026	0.328	4.82E-09	-0.001	0.003	0.584	0.009	34.241	TRUE	8.34E-09
FVC	IGF2R	cg10512472	rs8191824	A	G	0.311	0.046	0.074	1.50E-11	-0.008	0.005	0.085	0.012	45.512	TRUE	6.37E-11
FVC	IGF2R	cg10512472	rs9346805	T	C	0.249	0.038	0.131	4.50E-11	0.008	0.003	0.021	0.012	43.361	TRUE	2.69E-10

FVC	IGF2R	cg10512472	rs9347380	A	G	0.193	0.028	0.287	5.11E-12	0.004	0.003	0.093	0.013	47.618	TRUE	2.16E-11
FVC	IGF2R	cg10512472	rs998075	G	A	-0.601	0.025	0.463	1.48E-129	-0.002	0.002	0.378	0.137	586.142	TRUE	2.84E-121
FVC	IGF2R	cg12754982	rs10806724	C	T	0.290	0.027	0.343	3.76E-27	0.006	0.003	0.009	0.031	116.401	TRUE	1.67E-25
FVC	IGF2R	cg12754982	rs12209517	G	C	0.234	0.038	0.132	5.30E-10	0.004	0.003	0.209	0.010	38.544	TRUE	1.47E-09
FVC	IGF2R	cg12754982	rs57570593	G	T	-0.380	0.032	0.184	1.53E-32	-0.004	0.003	0.229	0.037	141.022	TRUE	2.88E-31
FVC	IGF2R	cg12754982	rs614890	T	G	0.193	0.026	0.400	1.23E-13	0.004	0.002	0.086	0.015	54.933	TRUE	6.24E-13
FVC	IGF2R	cg12754982	rs8191835	G	A	0.251	0.036	0.151	2.62E-12	0.008	0.003	0.014	0.013	48.928	TRUE	1.94E-11
FVC	IGF2R	cg15850155	rs761388	G	A	-0.325	0.039	0.120	9.08E-17	0.004	0.004	0.254	0.018	69.123	TRUE	3.93E-16
FVC	IGF2R	cg16111231	rs73019670	A	G	-0.455	0.049	0.071	1.58E-20	0.006	0.005	0.174	0.023	86.215	TRUE	1.10E-19
FVC	IGF2R	cg17154159	rs10945649	A	T	0.294	0.038	0.131	5.88E-15	0.008	0.003	0.021	0.016	60.907	TRUE	5.43E-14
FVC	IGF2R	cg18189591	rs220726	A	T	0.197	0.030	0.224	9.13E-11	0.002	0.003	0.572	0.011	41.976	TRUE	1.75E-10
FVC	IGF2R	cg18189591	rs57570593	G	T	-0.215	0.032	0.184	2.33E-11	-0.004	0.003	0.229	0.012	44.644	TRUE	6.94E-11
FVC	IGF2R	cg19166759	rs461473	A	G	-0.270	0.044	0.087	5.90E-10	-0.002	0.004	0.630	0.010	38.335	TRUE	1.03E-09
FVC	IGF2R	cg25484127	rs7746102	C	T	0.253	0.030	0.228	5.22E-17	-0.001	0.003	0.710	0.019	70.215	TRUE	1.24E-16
FVC	IGF2R	cg25754852	rs662138	G	C	0.227	0.031	0.195	5.06E-13	-0.002	0.003	0.519	0.014	52.154	TRUE	1.16E-12
FVC	IGF2R	cg25754852	rs9456496	G	A	0.218	0.040	0.116	4.29E-08	0.001	0.004	0.749	0.008	29.997	TRUE	6.21E-08
FVC	IL10	cg15096505	rs1800871	A	G	0.214	0.028	0.240	1.49E-14	-0.008	0.003	0.008	0.016	59.076	TRUE	1.67E-13
FVC	IL10	cg15096505	rs3024492	A	T	-0.275	0.026	0.274	7.37E-26	0.000	0.003	0.921	0.029	110.506	TRUE	2.48E-25
FVC	IL10	cg17067005	rs1800871	A	G	0.224	0.028	0.240	3.48E-16	-0.008	0.003	0.008	0.018	66.476	TRUE	4.71E-15
FVC	IL6	cg00087425	rs2905333	A	G	-0.131	0.024	0.383	3.23E-08	-0.001	0.002	0.804	0.008	30.548	TRUE	4.52E-08
FVC	IL6	cg01770232	rs1524107	T	C	1.308	0.057	0.041	3.04E-116	0.019	0.006	7.14E-04	0.124	524.972	TRUE	5.57E-107
FVC	IL6	cg01770232	rs59084784	A	C	0.228	0.025	0.336	6.48E-20	0.004	0.003	0.142	0.022	83.421	TRUE	4.88E-19
FVC	IL6	cg01770232	rs6461665	A	G	0.193	0.025	0.289	3.67E-14	0.007	0.003	0.008	0.015	57.308	TRUE	3.84E-13
FVC	IL6	cg01770232	rs7787688	T	C	0.148	0.024	0.406	8.46E-10	0.006	0.002	0.010	0.010	37.630	TRUE	4.98E-09
FVC	IL6	cg02335517	rs73276350	G	A	0.419	0.059	0.042	8.09E-13	0.021	0.006	1.89E-04	0.014	51.232	TRUE	1.47E-11
FVC	IL6	cg05265849	rs10229508	A	G	-0.194	0.029	0.214	1.24E-11	-0.002	0.003	0.602	0.012	45.877	TRUE	2.45E-11
FVC	IL6	cg05265849	rs10261653	A	C	0.380	0.034	0.142	1.24E-29	0.008	0.003	0.020	0.033	127.729	TRUE	5.63E-28
FVC	IL6	cg05265849	rs10269926	G	A	0.188	0.024	0.372	1.88E-14	0.007	0.002	0.003	0.016	58.627	TRUE	2.60E-13
FVC	IL6	cg05265849	rs116941259	T	C	-0.501	0.092	0.019	4.95E-08	-0.002	0.009	0.795	0.008	29.721	TRUE	6.89E-08
FVC	IL6	cg05265849	rs117122223	G	T	-0.345	0.031	0.177	8.37E-29	0.001	0.003	0.721	0.032	123.947	TRUE	4.54E-28
FVC	IL6	cg05265849	rs117814509	G	A	0.404	0.063	0.035	1.24E-10	0.003	0.006	0.671	0.011	41.371	TRUE	2.17E-10
FVC	IL6	cg05265849	rs117841439	T	C	-0.363	0.037	0.111	2.59E-22	-0.008	0.004	0.035	0.025	94.339	TRUE	4.32E-21
FVC	IL6	cg05265849	rs12700386	G	C	0.368	0.029	0.210	7.59E-38	0.005	0.003	0.106	0.043	165.282	TRUE	4.13E-36
FVC	IL6	cg05265849	rs150653978	G	C	-0.513	0.062	0.036	2.00E-16	-0.004	0.006	0.544	0.018	67.563	TRUE	5.57E-16
FVC	IL6	cg05265849	rs17146997	G	A	0.235	0.026	0.297	1.56E-19	0.005	0.003	0.057	0.022	81.689	TRUE	1.60E-18
FVC	IL6	cg05265849	rs1800797	A	G	-0.926	0.019	0.416	<1E-200	-0.008	0.002	9.27E-04	0.390	2365.746	TRUE	<1E-200
FVC	IL6	cg05265849	rs2905345	A	G	-0.398	0.027	0.256	4.93E-50	0.001	0.003	0.646	0.056	221.089	TRUE	2.39E-48
FVC	IL6	cg05265849	rs3094974	G	A	-0.181	0.024	0.368	7.22E-14	-0.002	0.002	0.490	0.015	55.978	TRUE	1.84E-13
FVC	IL6	cg05265849	rs4722197	T	A	-0.180	0.024	0.379	1.78E-13	-0.001	0.002	0.643	0.014	54.209	TRUE	3.70E-13
FVC	IL6	cg05265849	rs55733027	G	A	-0.509	0.059	0.042	8.68E-18	-0.006	0.006	0.323	0.020	73.752	TRUE	3.60E-17
FVC	IL6	cg05265849	rs56015132	T	G	0.244	0.032	0.154	3.56E-14	0.000	0.003	0.983	0.015	57.366	TRUE	5.66E-14
FVC	IL6	cg05265849	rs62449525	T	C	0.435	0.036	0.111	6.99E-33	0.004	0.004	0.234	0.037	142.578	TRUE	1.35E-31

FVC	IL6	cg05265849	rs71524096	G	C	0.274	0.045	0.073	1.53E-09	0.006	0.004	0.137	0.010	36.475	TRUE	4.67E-09
FVC	IL6	cg05265849	rs75378332	T	A	-0.489	0.062	0.043	3.72E-15	-0.002	0.006	0.673	0.016	61.812	TRUE	8.25E-15
FVC	IL6	cg05265849	rs75902902	C	G	-0.510	0.048	0.059	1.40E-26	-0.008	0.005	0.092	0.030	113.790	TRUE	2.40E-25
FVC	IL6	cg05472934	rs10229508	A	G	-0.175	0.029	0.214	8.84E-10	-0.002	0.003	0.602	0.010	37.544	TRUE	1.57E-09
FVC	IL6	cg05472934	rs116941259	T	C	-0.602	0.092	0.019	4.93E-11	-0.002	0.009	0.795	0.012	43.181	TRUE	7.88E-11
FVC	IL6	cg05472934	rs117122223	G	T	-0.280	0.031	0.177	2.02E-19	0.001	0.003	0.721	0.021	81.178	TRUE	5.60E-19
FVC	IL6	cg05472934	rs11768563	G	A	0.197	0.028	0.221	3.59E-12	0.004	0.003	0.126	0.013	48.313	TRUE	1.45E-11
FVC	IL6	cg05472934	rs12530998	T	A	-0.159	0.024	0.392	4.18E-11	0.001	0.002	0.732	0.012	43.506	TRUE	7.03E-11
FVC	IL6	cg05472934	rs2069861	T	C	-0.570	0.058	0.085	7.35E-23	-0.003	0.004	0.511	0.026	96.831	TRUE	3.38E-22
FVC	IL6	cg05472934	rs2905322	A	C	0.160	0.027	0.272	1.74E-09	0.002	0.003	0.406	0.010	36.223	TRUE	3.58E-09
FVC	IL6	cg05472934	rs2905345	A	G	-0.267	0.027	0.256	5.12E-23	0.001	0.003	0.646	0.026	97.549	TRUE	1.97E-22
FVC	IL6	cg05472934	rs377767225	A	G	-0.282	0.036	0.121	2.25E-15	-0.008	0.004	0.026	0.017	62.802	TRUE	1.97E-14
FVC	IL6	cg05472934	rs4310110	C	T	0.280	0.044	0.153	2.33E-10	-0.001	0.003	0.818	0.011	40.144	TRUE	3.58E-10
FVC	IL6	cg05472934	rs4379365	T	C	0.142	0.026	0.311	3.27E-08	0.005	0.003	0.042	0.008	30.525	TRUE	1.18E-07
FVC	IL6	cg05472934	rs55733027	G	A	-0.377	0.059	0.042	1.89E-10	-0.006	0.006	0.323	0.011	40.553	TRUE	4.59E-10
FVC	IL6	cg05472934	rs62449525	T	C	0.346	0.036	0.111	2.26E-21	0.004	0.004	0.234	0.024	90.057	TRUE	1.50E-20
FVC	IL6	cg05472934	rs6962836	G	A	0.190	0.033	0.137	1.16E-08	0.000	0.003	0.952	0.009	32.528	TRUE	1.49E-08
FVC	IL6	cg05472934	rs73274210	G	A	0.440	0.038	0.106	9.93E-31	0.006	0.004	0.158	0.035	132.742	TRUE	2.02E-29
FVC	IL6	cg05472934	rs75902902	C	G	-0.415	0.048	0.059	4.21E-18	-0.008	0.005	0.092	0.020	75.180	TRUE	3.16E-17
FVC	IL6	cg05472934	rs7779799	T	C	0.337	0.059	0.077	1.06E-08	0.014	0.005	0.003	0.009	32.711	TRUE	6.70E-08
FVC	IL6	cg05472934	rs7811929	T	C	0.183	0.024	0.386	3.03E-14	0.007	0.002	0.004	0.015	57.687	TRUE	3.63E-13
FVC	IL6	cg07998387	rs1524107	T	C	0.620	0.058	0.041	2.22E-26	0.019	0.006	7.14E-04	0.030	112.883	TRUE	2.09E-24
FVC	IL6	cg07998387	rs35779989	A	C	-0.146	0.023	0.441	4.56E-10	-0.007	0.002	0.002	0.010	38.837	TRUE	4.01E-09
FVC	IL6	cg13104385	rs10229508	A	G	-0.204	0.029	0.214	9.54E-13	-0.002	0.003	0.602	0.014	50.909	TRUE	2.01E-12
FVC	IL6	cg13104385	rs10261653	A	C	0.390	0.034	0.142	3.43E-31	0.008	0.003	0.020	0.035	134.851	TRUE	1.87E-29
FVC	IL6	cg13104385	rs10269926	G	A	0.220	0.024	0.372	2.37E-19	0.007	0.002	0.003	0.021	80.858	TRUE	6.12E-18
FVC	IL6	cg13104385	rs111372030	A	G	-0.404	0.043	0.078	8.68E-21	-0.011	0.004	0.016	0.023	87.395	TRUE	1.57E-19
FVC	IL6	cg13104385	rs113688526	A	G	-0.277	0.048	0.061	1.12E-08	-0.004	0.005	0.404	0.009	32.596	TRUE	2.22E-08
FVC	IL6	cg13104385	rs115622312	T	C	0.465	0.032	0.154	8.90E-49	-0.001	0.003	0.723	0.055	215.332	TRUE	3.17E-47
FVC	IL6	cg13104385	rs117122223	G	T	-0.393	0.031	0.177	4.50E-37	0.001	0.003	0.721	0.042	161.747	TRUE	4.97E-36
FVC	IL6	cg13104385	rs117841439	T	C	-0.408	0.037	0.111	6.87E-28	-0.008	0.004	0.035	0.031	119.771	TRUE	2.10E-26
FVC	IL6	cg13104385	rs117914483	C	T	0.462	0.058	0.049	1.94E-15	0.004	0.006	0.534	0.017	63.094	TRUE	5.14E-15
FVC	IL6	cg13104385	rs12535219	G	C	0.524	0.029	0.187	2.16E-72	0.005	0.003	0.103	0.080	323.615	TRUE	1.52E-68
FVC	IL6	cg13104385	rs13238288	G	A	0.342	0.031	0.187	4.54E-29	0.002	0.003	0.428	0.033	125.158	TRUE	3.99E-28
FVC	IL6	cg13104385	rs1362163	G	A	0.163	0.030	0.179	4.86E-08	0.005	0.003	0.129	0.008	29.755	TRUE	1.34E-07
FVC	IL6	cg13104385	rs149330927	A	G	-0.567	0.098	0.015	6.93E-09	-0.007	0.010	0.474	0.009	33.537	TRUE	1.30E-08
FVC	IL6	cg13104385	rs150653978	G	C	-0.580	0.062	0.036	1.28E-20	-0.004	0.006	0.544	0.023	86.627	TRUE	4.73E-20
FVC	IL6	cg13104385	rs1595126	A	G	0.248	0.042	0.093	3.51E-09	-0.001	0.004	0.833	0.009	34.860	TRUE	5.03E-09
FVC	IL6	cg13104385	rs227917	C	A	0.150	0.027	0.241	2.94E-08	0.006	0.003	0.044	0.008	30.732	TRUE	1.07E-07
FVC	IL6	cg13104385	rs2905341	T	C	-0.637	0.104	0.033	7.92E-10	-0.007	0.006	0.273	0.010	37.759	TRUE	1.98E-09
FVC	IL6	cg13104385	rs2905345	A	G	-0.468	0.027	0.256	2.45E-69	0.001	0.003	0.646	0.077	309.607	TRUE	1.51E-66
FVC	IL6	cg13104385	rs2905350	C	G	0.355	0.025	0.317	7.72E-46	0.002	0.003	0.412	0.052	201.873	TRUE	3.71E-44

FVC	IL6	cg13104385	rs3094974	G	A	-0.212	0.024	0.368	1.91E-18	-0.002	0.002	0.490	0.020	76.740	TRUE	6.63E-18
FVC	IL6	cg13104385	rs34240824	T	C	0.267	0.027	0.278	8.57E-24	0.006	0.003	0.036	0.027	101.084	TRUE	1.62E-22
FVC	IL6	cg13104385	rs55733027	G	A	-0.595	0.059	0.042	7.84E-24	-0.006	0.006	0.323	0.027	101.261	TRUE	5.29E-23
FVC	IL6	cg13104385	rs6962836	G	A	0.242	0.033	0.137	3.55E-13	0.000	0.003	0.952	0.014	52.849	TRUE	5.49E-13
FVC	IL6	cg13104385	rs75378332	T	A	-0.557	0.062	0.043	2.86E-19	-0.002	0.006	0.673	0.021	80.492	TRUE	8.17E-19
FVC	IL6	cg13104385	rs7776857	G	T	-0.860	0.021	0.347	<1E-200	-0.008	0.003	0.001	0.311	1667.117	TRUE	<1E-200
FVC	IL6	cg13104385	rs7782981	T	C	0.199	0.027	0.260	2.73E-13	0.008	0.003	0.003	0.014	53.368	TRUE	3.25E-12
FVC	IL6	cg13104385	rs78578221	C	T	0.353	0.065	0.033	4.63E-08	-0.004	0.007	0.576	0.008	29.851	TRUE	7.61E-08
FVC	IL6	cg15703690	rs2905333	A	G	-0.250	0.024	0.383	1.01E-25	-0.001	0.002	0.804	0.029	109.878	TRUE	3.86E-25
FVC	IL6	cg15703690	rs34680848	A	G	0.157	0.024	0.482	2.40E-11	-0.004	0.002	0.068	0.012	44.592	TRUE	1.04E-10
FVC	IL6	cg17067544	rs11766273	A	G	-0.285	0.044	0.072	1.10E-10	-0.010	0.004	0.029	0.011	41.604	TRUE	5.69E-10
FVC	IL6	cg26061582	rs113952113	A	G	0.182	0.029	0.209	1.77E-10	0.006	0.003	0.047	0.011	40.682	TRUE	7.83E-10
FVC	IL6	cg26061582	rs117122223	G	T	-0.211	0.031	0.177	1.28E-11	0.001	0.003	0.721	0.012	45.824	TRUE	2.26E-11
FVC	IL6	cg26061582	rs117841439	T	C	-0.248	0.037	0.111	3.26E-11	-0.008	0.004	0.035	0.012	43.992	TRUE	1.70E-10
FVC	IL6	cg26061582	rs1524107	T	C	1.141	0.057	0.041	1.14E-87	0.019	0.006	7.14E-04	0.096	393.745	TRUE	3.16E-81
FVC	IL6	cg26061582	rs1800797	A	G	-0.619	0.023	0.416	2.31E-165	-0.008	0.002	9.27E-04	0.169	750.701	TRUE	2.71E-150
FVC	IL6	cg26061582	rs2905345	A	G	-0.275	0.027	0.256	1.39E-24	0.001	0.003	0.646	0.028	104.691	TRUE	6.00E-24
FVC	IL6	cg26061582	rs2961286	T	G	0.202	0.026	0.273	1.50E-14	0.004	0.003	0.157	0.016	59.068	TRUE	6.74E-14
FVC	IL6	cg26061582	rs62449525	T	C	0.330	0.036	0.111	1.42E-19	0.004	0.004	0.234	0.022	81.868	TRUE	8.14E-19
FVC	IL6	cg26061582	rs75378332	T	A	-0.366	0.062	0.043	3.86E-09	-0.002	0.006	0.673	0.009	34.676	TRUE	6.17E-09
FVC	IL6	cg26061582	rs75902902	C	G	-0.303	0.048	0.059	2.52E-10	-0.008	0.005	0.092	0.011	39.991	TRUE	9.21E-10
FVC	IL6R	cg05756780	rs4133213	A	C	0.151	0.024	0.424	2.62E-10	0.002	0.002	0.515	0.011	39.916	TRUE	5.20E-10
FVC	IL6R	cg05756780	rs6427641	G	A	0.172	0.024	0.429	4.51E-13	0.001	0.002	0.803	0.014	52.382	TRUE	7.92E-13
FVC	IL6R	cg06980173	rs12075836	T	C	-0.194	0.032	0.152	1.47E-09	0.001	0.003	0.688	0.010	36.556	TRUE	2.37E-09
FVC	IL6R	cg06980173	rs4845619	T	G	-0.136	0.024	0.436	1.08E-08	-0.003	0.002	0.205	0.009	32.676	TRUE	2.68E-08
FVC	IL6R	cg09257526	rs6690230	C	G	-0.171	0.024	0.392	1.63E-12	-0.001	0.002	0.569	0.013	49.854	TRUE	3.50E-12
FVC	IL6R	cg13549904	rs114660934	A	G	-0.371	0.066	0.036	2.01E-08	-0.002	0.006	0.703	0.008	31.464	TRUE	3.04E-08
FVC	IL6R	cg13549904	rs1889312	A	G	0.132	0.024	0.436	2.43E-08	0.001	0.002	0.572	0.008	31.096	TRUE	4.01E-08
FVC	IL6R	cg13549904	rs55668699	A	T	-0.391	0.028	0.225	6.03E-44	-0.004	0.003	0.141	0.050	193.205	TRUE	5.80E-42
FVC	IL6R	cg15633035	rs41304552	T	C	0.442	0.063	0.035	3.01E-12	-0.017	0.006	0.004	0.013	48.657	TRUE	2.96E-11
FVC	IL6R	cg17001401	rs12739228	A	G	0.578	0.063	0.033	2.44E-20	-0.004	0.006	0.523	0.023	85.352	TRUE	9.18E-20
FVC	IL6R	cg20688791	rs11265611	G	A	-0.189	0.024	0.409	3.77E-15	-0.005	0.003	0.056	0.016	61.783	TRUE	2.51E-14
FVC	IL6R	cg21262032	rs10796927	C	T	0.170	0.026	0.290	6.45E-11	0.000	0.003	0.911	0.011	42.656	TRUE	9.37E-11
FVC	IL6R	cg21262032	rs11577167	T	C	-0.448	0.069	0.028	7.08E-11	-0.004	0.008	0.635	0.011	42.473	TRUE	1.28E-10
FVC	IL6R	cg21262032	rs12023772	A	G	0.180	0.032	0.157	2.82E-08	-0.005	0.003	0.102	0.008	30.811	TRUE	8.39E-08
FVC	IL6R	cg21262032	rs144029367	C	T	-0.553	0.095	0.020	5.14E-09	0.002	0.009	0.811	0.009	34.117	TRUE	7.41E-09
FVC	IL6R	cg21262032	rs1685627	A	G	-0.171	0.024	0.400	1.32E-12	-0.005	0.002	0.042	0.013	50.271	TRUE	7.84E-12
FVC	IL6R	cg21262032	rs1889312	A	G	0.183	0.024	0.436	1.66E-14	0.001	0.002	0.572	0.016	58.865	TRUE	3.90E-14
FVC	IL6R	cg21262032	rs35013837	T	C	0.273	0.044	0.142	3.35E-10	0.005	0.003	0.165	0.011	39.440	TRUE	1.01E-09
FVC	IL6R	cg21262032	rs60517797	C	T	-0.247	0.040	0.100	8.12E-10	-0.007	0.004	0.127	0.010	37.712	TRUE	2.57E-09
FVC	IL6R	cg21262032	rs6427672	C	T	-0.731	0.027	0.233	2.86E-164	-0.006	0.003	0.042	0.168	745.675	TRUE	1.15E-150
FVC	IL6R	cg21262032	rs79480105	A	G	-0.599	0.069	0.033	2.77E-18	-0.005	0.006	0.426	0.020	76.009	TRUE	1.02E-17

FVC	IL6R	cg21262032	rs9427103	G	A	-0.217	0.031	0.175	1.69E-12	0.004	0.003	0.235	0.013	49.788	TRUE	5.49E-12
FVC	IL6R	cg25135018	rs6427672	C	T	-0.246	0.028	0.233	7.14E-19	-0.006	0.003	0.042	0.021	78.682	TRUE	7.80E-18
FVC	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	0.006	0.002	0.010	0.031	118.669	TRUE	5.79E-26
FVC	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	-0.004	0.003	0.156	0.057	224.451	TRUE	1.79E-48
FVC	INF2	cg02305961	rs61758556	T	A	0.219	0.036	0.142	1.25E-09	0.000	0.003	0.906	0.010	36.873	TRUE	1.72E-09
FVC	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	-0.004	0.003	0.240	0.034	131.224	TRUE	3.19E-29
FVC	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	-0.002	0.003	0.492	0.013	48.825	TRUE	6.27E-12
FVC	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	-0.007	0.003	0.004	0.008	31.282	TRUE	1.25E-07
FVC	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	-0.003	0.003	0.299	0.021	79.141	TRUE	2.70E-18
FVC	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	-0.007	0.002	0.004	0.094	383.550	TRUE	1.26E-79
FVC	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	0.006	0.002	0.010	0.018	68.785	TRUE	1.44E-15
FVC	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	-0.006	0.003	0.030	0.017	62.938	TRUE	1.74E-14
FVC	INF2	cg04573078	rs2498802	C	G	0.190	0.025	0.337	1.33E-14	-0.006	0.003	0.012	0.016	59.301	TRUE	1.33E-13
FVC	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	0.005	0.002	0.030	0.084	340.911	TRUE	1.22E-71
FVC	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.003	0.004	0.487	0.010	37.644	TRUE	1.65E-09
FVC	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	-0.003	0.003	0.224	0.022	84.464	TRUE	2.33E-19
FVC	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	-0.003	0.003	0.224	0.023	87.021	TRUE	6.71E-20
FVC	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	0.003	0.004	0.502	0.028	107.959	TRUE	1.50E-24
FVC	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	-0.004	0.003	0.292	0.010	35.564	TRUE	5.73E-09
FVC	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	0.007	0.002	0.006	0.071	282.331	TRUE	2.08E-59
FVC	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	-0.002	0.004	0.580	0.093	377.804	TRUE	2.66E-80
FVC	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	-0.004	0.003	0.292	0.011	39.333	TRUE	8.81E-10
FVC	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	0.007	0.002	0.006	0.087	352.114	TRUE	1.89E-73
FVC	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	-0.002	0.004	0.580	0.121	508.213	TRUE	2.65E-106
FVC	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	0.006	0.002	0.010	0.011	39.846	TRUE	1.70E-09
FVC	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	-0.006	0.006	0.258	0.010	37.103	TRUE	2.77E-09
FVC	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	0.002	0.004	0.612	0.085	345.647	TRUE	7.70E-74
FVC	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	-0.001	0.004	0.694	0.019	71.597	TRUE	6.41E-17
FVC	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	-0.003	0.005	0.564	0.031	116.484	TRUE	2.13E-26
FVC	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	-0.007	0.003	0.014	0.202	937.870	TRUE	5.39E-186
FVC	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	-0.001	0.004	0.723	0.016	58.649	TRUE	3.80E-14
FVC	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	0.000	0.003	0.900	0.012	44.800	TRUE	3.22E-11
FVC	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	-0.007	0.003	0.014	0.023	85.568	TRUE	3.98E-19
FVC	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.003	0.004	0.487	0.010	36.206	TRUE	3.38E-09
FVC	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	-0.002	0.003	0.492	0.010	39.191	TRUE	7.56E-10
FVC	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	-0.015	0.014	0.284	0.029	110.722	TRUE	5.79E-25
FVC	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	-0.006	0.003	0.046	0.053	207.549	TRUE	1.18E-44
FVC	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	-0.003	0.004	0.460	0.100	409.893	TRUE	1.32E-86
FVC	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	-0.001	0.003	0.810	0.023	85.476	TRUE	6.04E-20
FVC	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	-0.006	0.003	0.028	0.032	123.422	TRUE	3.92E-27
FVC	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	-0.006	0.003	0.046	0.025	95.952	TRUE	1.74E-21
FVC	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	-0.009	0.004	0.013	0.014	53.866	TRUE	1.77E-12

FVC	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	0.002	0.004	0.612	0.008	30.317	TRUE	5.84E-08
FVC	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	-0.001	0.004	0.784	0.008	31.064	TRUE	3.53E-08
FVC	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	-0.003	0.004	0.422	0.044	168.731	TRUE	2.94E-37
FVC	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	0.007	0.002	0.006	0.055	215.354	TRUE	8.61E-46
FVC	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	-0.006	0.003	0.019	0.010	37.466	TRUE	4.74E-09
FVC	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	-0.002	0.003	0.492	0.009	33.252	TRUE	1.47E-08
FVC	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	0.007	0.002	0.006	0.062	243.465	TRUE	1.60E-51
FVC	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	-0.002	0.004	0.580	0.083	336.852	TRUE	5.10E-72
FVC	ING5	cg03108703	rs143076111	C	A	-0.934	0.052	0.118	1.07E-71	-0.005	0.004	0.223	0.080	320.428	TRUE	3.33E-68
FVC	ING5	cg03108703	rs184401988	G	T	-0.755	0.133	0.017	1.27E-08	-0.023	0.011	0.031	0.009	32.356	TRUE	5.11E-08
FVC	ING5	cg03979788	rs1133811	A	G	0.980	0.025	0.426	<1E-200	0.007	0.003	0.007	0.287	1491.662	TRUE	1.73E-283
FVC	ING5	cg03979788	rs11691199	A	G	0.155	0.026	0.299	2.47E-09	0.001	0.003	0.850	0.010	35.542	TRUE	3.51E-09
FVC	ING5	cg03979788	rs142081672	A	G	0.542	0.085	0.043	2.07E-10	0.004	0.007	0.572	0.011	40.375	TRUE	3.86E-10
FVC	ING5	cg03979788	rs142497237	T	C	-0.350	0.061	0.043	1.07E-08	0.011	0.006	0.099	0.009	32.688	TRUE	3.29E-08
FVC	ING5	cg03979788	rs142718122	C	T	-0.544	0.084	0.045	8.78E-11	-0.007	0.006	0.232	0.011	42.054	TRUE	2.50E-10
FVC	ING5	cg03979788	rs1444997	T	C	-0.221	0.032	0.164	2.51E-12	0.003	0.003	0.351	0.013	49.015	TRUE	6.74E-12
FVC	ING5	cg03979788	rs34106717	A	G	0.265	0.025	0.301	1.05E-25	-0.002	0.003	0.346	0.029	109.795	TRUE	7.85E-25
FVC	ING5	cg03979788	rs34691302	T	C	0.343	0.039	0.091	1.47E-18	0.006	0.004	0.150	0.020	77.250	TRUE	9.50E-18
FVC	ING5	cg03979788	rs35145466	A	G	-0.423	0.045	0.091	6.40E-21	0.007	0.004	0.113	0.023	87.998	TRUE	5.92E-20
FVC	ING5	cg03979788	rs4234096	C	T	0.311	0.034	0.430	1.45E-19	0.001	0.003	0.760	0.022	81.830	TRUE	3.90E-19
FVC	ING5	cg03979788	rs62186372	G	C	0.268	0.039	0.094	5.87E-12	-0.009	0.004	0.013	0.013	47.347	TRUE	4.26E-11
FVC	ING5	cg03979788	rs62190317	T	C	0.630	0.074	0.059	1.23E-17	0.014	0.005	0.004	0.019	73.059	TRUE	2.36E-16
FVC	ING5	cg03979788	rs7369610	A	G	-0.617	0.055	0.098	8.23E-29	0.004	0.004	0.368	0.032	123.979	TRUE	7.87E-28
FVC	ING5	cg03979788	rs7420166	A	G	0.352	0.027	0.243	5.19E-39	-0.012	0.003	2.48E-05	0.044	170.614	TRUE	7.56E-36
FVC	ING5	cg03979788	rs7566006	C	G	0.178	0.029	0.193	1.67E-09	-0.004	0.003	0.165	0.010	36.302	TRUE	4.74E-09
FVC	ING5	cg03979788	rs7570624	A	G	0.161	0.023	0.467	6.90E-12	0.000	0.002	0.865	0.013	47.032	TRUE	1.08E-11
FVC	ING5	cg03979788	rs886810	A	C	-0.198	0.024	0.376	2.25E-16	0.002	0.002	0.452	0.018	67.330	TRUE	7.01E-16
FVC	ING5	cg04122744	rs36147544	T	C	0.404	0.055	0.117	1.43E-13	-0.004	0.004	0.285	0.015	54.630	TRUE	4.66E-13
FVC	ING5	cg11463903	rs10933538	A	G	-0.225	0.025	0.354	7.09E-20	0.008	0.003	9.70E-04	0.022	83.244	TRUE	2.48E-18
FVC	ING5	cg11463903	rs12617994	T	C	-0.233	0.026	0.271	4.75E-19	-0.005	0.003	0.071	0.021	79.486	TRUE	4.25E-18
FVC	ING5	cg11463903	rs13408032	T	C	-0.260	0.047	0.128	4.47E-08	-0.004	0.004	0.312	0.008	29.917	TRUE	9.40E-08
FVC	ING5	cg11463903	rs142704390	C	G	-0.585	0.102	0.025	8.66E-09	-0.019	0.007	0.003	0.009	33.104	TRUE	5.43E-08
FVC	ING5	cg11463903	rs142718122	C	T	-0.520	0.084	0.045	5.74E-10	-0.007	0.006	0.232	0.010	38.389	TRUE	1.53E-09
FVC	ING5	cg11463903	rs144303868	C	G	-0.411	0.061	0.043	1.32E-11	0.010	0.006	0.102	0.012	45.763	TRUE	5.32E-11
FVC	ING5	cg11463903	rs147108370	G	A	-0.485	0.068	0.034	9.63E-13	-0.003	0.007	0.699	0.014	50.891	TRUE	1.84E-12
FVC	ING5	cg11463903	rs34214302	G	A	0.408	0.055	0.114	1.04E-13	-0.005	0.004	0.210	0.015	55.253	TRUE	3.83E-13
FVC	ING5	cg11463903	rs34767573	C	G	0.396	0.057	0.045	3.41E-12	0.010	0.006	0.080	0.013	48.411	TRUE	1.54E-11
FVC	ING5	cg11463903	rs55729724	G	A	-0.185	0.028	0.237	2.75E-11	0.001	0.003	0.745	0.012	44.324	TRUE	4.63E-11
FVC	ING5	cg11463903	rs62191280	C	G	0.386	0.047	0.155	2.07E-16	0.007	0.004	0.059	0.018	67.494	TRUE	1.53E-15
FVC	ING5	cg11463903	rs62192043	A	G	0.214	0.027	0.246	2.72E-15	0.001	0.003	0.788	0.017	62.422	TRUE	5.38E-15
FVC	ING5	cg11463903	rs6741587	A	C	-0.284	0.028	0.225	1.96E-24	0.002	0.003	0.600	0.027	104.011	TRUE	8.99E-24
FVC	ING5	cg11463903	rs6747920	A	G	-0.521	0.058	0.091	2.16E-19	0.004	0.004	0.345	0.021	81.039	TRUE	9.91E-19

FVC	ING5	cg11463903	rs73123528	G	A	0.361	0.027	0.244	8.50E-41	-0.012	0.003	2.39E-05	0.046	178.787	TRUE	1.65E-37
FVC	ING5	cg11463903	rs7566006	C	G	0.212	0.029	0.193	5.40E-13	-0.004	0.003	0.165	0.014	52.025	TRUE	2.05E-12
FVC	ING5	cg13140981	rs184401988	G	T	-0.756	0.133	0.017	1.23E-08	-0.023	0.011	0.031	0.009	32.414	TRUE	4.97E-08
FVC	ING5	cg13140981	rs35249316	G	A	0.260	0.035	0.391	8.74E-14	0.001	0.003	0.719	0.015	55.602	TRUE	1.73E-13
FVC	ING5	cg13140981	rs62193476	A	G	-0.278	0.036	0.354	6.21E-15	0.005	0.003	0.058	0.016	60.801	TRUE	3.94E-14
FVC	ING5	cg13140981	rs72484056	A	G	-1.038	0.052	0.115	2.21E-87	-0.005	0.004	0.197	0.096	392.422	TRUE	1.17E-82
FVC	ING5	cg13262212	rs138826996	T	C	-1.690	0.139	0.014	3.75E-34	-0.039	0.011	2.56E-04	0.039	148.390	TRUE	1.33E-31
FVC	ING5	cg13262212	rs141941174	A	G	-0.688	0.112	0.018	7.15E-10	-0.001	0.009	0.957	0.010	37.959	TRUE	9.59E-10
FVC	ING5	cg14409746	rs111942358	C	G	0.208	0.033	0.150	3.61E-10	0.011	0.003	0.001	0.011	39.291	TRUE	3.39E-09
FVC	ING5	cg14409746	rs7369408	A	G	-0.153	0.028	0.221	3.14E-08	-0.011	0.003	5.73E-05	0.008	30.601	TRUE	3.25E-07
FVC	ING5	cg15141204	rs4428044	C	A	-0.248	0.034	0.446	3.33E-13	0.005	0.003	0.057	0.014	52.973	TRUE	1.83E-12
FVC	ING5	cg17530031	rs138807997	G	A	0.601	0.085	0.043	2.10E-12	-0.007	0.006	0.208	0.013	49.361	TRUE	7.13E-12
FVC	ING5	cg17530031	rs145676805	A	G	0.451	0.070	0.034	1.17E-10	-0.005	0.008	0.552	0.011	41.493	TRUE	2.26E-10
FVC	ING5	cg17530031	rs147476185	T	A	0.314	0.049	0.058	1.34E-10	-0.001	0.005	0.927	0.011	41.230	TRUE	1.90E-10
FVC	ING5	cg17530031	rs4234096	C	T	-0.315	0.034	0.430	5.75E-20	0.001	0.003	0.760	0.022	83.658	TRUE	1.59E-19
FVC	ING5	cg17530031	rs4675796	T	C	0.507	0.051	0.127	2.09E-23	0.005	0.004	0.143	0.026	99.323	TRUE	2.13E-22
FVC	ING5	cg17530031	rs55729724	G	A	0.161	0.028	0.237	8.10E-09	0.001	0.003	0.745	0.009	33.233	TRUE	1.21E-08
FVC	ING5	cg17530031	rs62186372	G	C	-0.265	0.039	0.094	1.15E-11	-0.009	0.004	0.013	0.012	46.026	TRUE	8.09E-11
FVC	ING5	cg17530031	rs62191280	C	G	-0.423	0.047	0.155	1.79E-19	0.007	0.004	0.059	0.022	81.415	TRUE	1.79E-18
FVC	ING5	cg17530031	rs7369610	A	G	0.371	0.056	0.098	3.91E-11	0.004	0.004	0.368	0.012	43.637	TRUE	9.45E-11
FVC	ING5	cg17530031	rs7420166	A	G	-0.303	0.027	0.243	7.16E-29	-0.012	0.003	2.48E-05	0.033	124.257	TRUE	2.16E-26
FVC	ING5	cg17530031	rs7558279	G	A	0.265	0.035	0.346	4.20E-14	0.006	0.003	0.013	0.015	57.043	TRUE	3.97E-13
FVC	ING5	cg17530031	rs7591047	A	G	-0.861	0.028	0.394	3.72E-212	0.004	0.003	0.117	0.207	965.817	TRUE	3.75E-192
FVC	ING5	cg17530031	rs79082577	G	A	0.337	0.056	0.104	1.49E-09	0.002	0.004	0.646	0.010	36.523	TRUE	2.53E-09
FVC	ING5	cg20516529	rs112011439	A	T	-1.882	0.134	0.015	7.47E-45	-0.039	0.011	2.16E-04	0.051	197.355	TRUE	1.43E-41
FVC	ING5	cg20516529	rs11676197	T	C	0.178	0.028	0.222	1.83E-10	0.001	0.003	0.661	0.011	40.621	TRUE	3.16E-10
FVC	ING5	cg20516529	rs35512800	A	G	-0.611	0.052	0.130	2.54E-32	-0.009	0.004	0.014	0.036	140.015	TRUE	1.93E-30
FVC	ING5	cg20516529	rs4675933	T	C	-0.178	0.025	0.323	1.58E-12	-0.014	0.003	2.24E-08	0.013	49.924	TRUE	9.60E-11
FVC	ING5	cg20516529	rs74651980	A	G	-0.667	0.101	0.018	3.57E-11	-0.027	0.009	0.002	0.012	43.814	TRUE	3.38E-10
FVC	ING5	cg21244745	rs34692098	G	T	0.238	0.034	0.138	4.59E-12	-0.007	0.003	0.051	0.013	47.828	TRUE	2.39E-11
FVC	ING5	cg21244745	rs7371227	C	G	-0.392	0.034	0.413	2.98E-31	0.001	0.002	0.777	0.035	135.127	TRUE	1.82E-30
FVC	ING5	cg21244745	rs74562536	T	C	-0.202	0.028	0.215	7.74E-13	-0.012	0.003	2.56E-05	0.014	51.318	TRUE	1.99E-11
FVC	ING5	cg24048263	rs35145466	A	G	0.320	0.045	0.091	1.52E-12	0.007	0.004	0.113	0.013	50.000	TRUE	6.52E-12
FVC	IREB2	cg13714459	rs2656065	A	G	0.303	0.025	0.330	1.07E-33	-0.016	0.003	1.32E-10	0.038	146.300	TRUE	7.94E-30
FVC	IREB2	cg18825076	rs1052035	C	T	-0.634	0.075	0.056	1.76E-17	-0.012	0.006	0.036	0.019	72.363	TRUE	1.76E-16
FVC	IREB2	cg18825076	rs117756166	C	T	-0.552	0.053	0.047	1.83E-25	-0.015	0.005	0.004	0.029	108.705	TRUE	8.98E-24
FVC	IREB2	cg18825076	rs12592823	A	G	0.369	0.044	0.085	2.21E-17	0.010	0.004	0.020	0.019	71.906	TRUE	2.61E-16
FVC	IREB2	cg18825076	rs12913946	T	C	-0.219	0.028	0.235	3.91E-15	-0.002	0.003	0.587	0.016	61.712	TRUE	9.62E-15
FVC	IREB2	cg18825076	rs1994016	T	C	-0.301	0.024	0.433	2.60E-37	-0.003	0.002	0.264	0.042	162.836	TRUE	7.33E-36
FVC	IREB2	cg18825076	rs2229961	A	G	-0.763	0.130	0.018	3.99E-09	-0.007	0.009	0.423	0.009	34.612	TRUE	7.94E-09
FVC	IREB2	cg18825076	rs2869030	G	T	0.579	0.028	0.237	7.27E-98	-0.001	0.003	0.686	0.106	440.556	TRUE	5.02E-93
FVC	IREB2	cg18825076	rs4887024	T	C	0.141	0.024	0.416	4.02E-09	0.004	0.002	0.122	0.009	34.596	TRUE	1.22E-08

FVC	IREB2	cg18825076	rs72736802	T	A	-0.897	0.021	0.344	<1E-200	-0.016	0.003	1.44E-10	0.326	1791.058	TRUE	<1E-200
FVC	IREB2	cg18825076	rs76161838	T	C	-0.539	0.088	0.022	8.14E-10	-0.012	0.009	0.160	0.010	37.706	TRUE	2.41E-09
FVC	IREB2	cg18825076	rs76474922	C	A	0.507	0.044	0.079	2.03E-31	0.005	0.004	0.263	0.035	135.893	TRUE	3.12E-30
FVC	IREB2	cg19941054	rs2089162	G	A	0.281	0.025	0.322	5.50E-29	-0.016	0.003	2.12E-10	0.033	124.777	TRUE	1.57E-25
FVC	ITGAM	cg00764981	rs9674009	C	A	0.295	0.023	0.461	7.43E-37	-0.004	0.002	0.082	0.042	160.748	TRUE	4.38E-35
FVC	ITGAM	cg02256631	rs34550882	T	C	-0.413	0.037	0.115	1.69E-29	0.006	0.004	0.081	0.033	127.122	TRUE	4.14E-28
FVC	ITGAM	cg02256631	rs56392848	A	G	0.427	0.025	0.318	1.06E-66	-0.009	0.003	5.28E-04	0.074	297.509	TRUE	5.73E-62
FVC	ITGAM	cg02846316	rs1108431	T	C	-0.360	0.024	0.342	2.16E-50	-0.018	0.002	2.04E-14	0.057	222.733	TRUE	2.22E-44
FVC	ITGAM	cg02846316	rs112766425	G	A	-0.457	0.050	0.055	4.46E-20	-0.022	0.005	1.47E-05	0.022	84.159	TRUE	3.78E-18
FVC	ITGAM	cg02846316	rs11641202	A	G	-0.777	0.021	0.431	<1E-200	-0.004	0.002	0.084	0.278	1427.662	TRUE	5.53E-274
FVC	ITGAM	cg02846316	rs11861258	A	G	-0.450	0.067	0.058	2.63E-11	-0.006	0.005	0.253	0.012	44.413	TRUE	7.58E-11
FVC	ITGAM	cg02846316	rs12597684	C	A	-0.285	0.046	0.076	4.05E-10	-0.002	0.004	0.693	0.010	39.066	TRUE	6.70E-10
FVC	ITGAM	cg02846316	rs148702283	T	C	0.235	0.036	0.108	6.20E-11	-0.006	0.004	0.122	0.011	42.734	TRUE	2.22E-10
FVC	ITGAM	cg02846316	rs182339188	C	T	-0.397	0.064	0.037	5.72E-10	0.006	0.007	0.352	0.010	38.395	TRUE	1.30E-09
FVC	ITGAM	cg02846316	rs2230428	A	G	0.413	0.029	0.190	1.19E-44	-0.001	0.003	0.745	0.050	196.430	TRUE	2.71E-43
FVC	ITGAM	cg02846316	rs2454907	A	G	0.271	0.032	0.156	3.66E-17	0.004	0.003	0.189	0.019	70.912	TRUE	1.87E-16
FVC	ITGAM	cg02846316	rs4889656	G	C	-0.241	0.024	0.387	9.74E-24	-0.007	0.002	0.004	0.027	100.832	TRUE	4.04E-22
FVC	ITGAM	cg02846316	rs58408589	G	A	-0.499	0.032	0.156	2.26E-53	0.006	0.003	0.056	0.060	236.387	TRUE	1.37E-50
FVC	ITGAM	cg02846316	rs76133734	A	G	0.503	0.089	0.034	1.84E-08	0.005	0.006	0.428	0.008	31.639	TRUE	3.51E-08
FVC	ITGAM	cg05625471	rs1143679	A	G	-0.297	0.039	0.103	2.67E-14	0.009	0.004	0.020	0.015	57.931	TRUE	2.26E-13
FVC	ITGAM	cg05625471	rs4594268	T	C	0.377	0.025	0.319	5.59E-52	-0.009	0.003	5.15E-04	0.059	230.006	TRUE	2.46E-48
FVC	ITGAM	cg05625471	rs4889655	T	C	0.138	0.024	0.387	1.07E-08	-0.007	0.002	0.002	0.009	32.693	TRUE	6.84E-08
FVC	ITGAM	cg05625471	rs9927295	A	G	-0.152	0.027	0.245	1.21E-08	0.009	0.003	7.14E-04	0.009	32.460	TRUE	9.50E-08
FVC	ITGAM	cg08050115	rs2454907	A	G	0.199	0.032	0.156	7.04E-10	0.004	0.003	0.189	0.010	37.988	TRUE	1.98E-09
FVC	ITGAM	cg08050115	rs4889656	G	C	-0.155	0.024	0.387	1.05E-10	-0.007	0.002	0.004	0.011	41.701	TRUE	8.46E-10
FVC	ITGAM	cg08050115	rs62057137	T	C	0.222	0.037	0.105	3.16E-09	0.003	0.004	0.430	0.009	35.064	TRUE	6.23E-09
FVC	ITGAM	cg08050115	rs9674009	C	A	-0.376	0.023	0.461	1.33E-58	-0.004	0.002	0.082	0.066	260.373	TRUE	1.36E-55
FVC	ITGAM	cg09326409	rs3815801	C	T	0.171	0.025	0.330	6.44E-12	-0.009	0.003	3.09E-04	0.013	47.167	TRUE	9.39E-11
FVC	ITGAM	cg09743950	rs12598380	T	C	0.285	0.024	0.385	1.05E-31	0.006	0.002	0.017	0.036	137.194	TRUE	7.29E-30
FVC	ITGAM	cg09743950	rs34550882	T	C	-0.519	0.037	0.115	7.97E-46	0.006	0.004	0.081	0.052	201.808	TRUE	1.31E-43
FVC	ITGAM	cg15337006	rs11641624	C	T	-0.159	0.025	0.317	3.14E-10	-0.010	0.003	1.22E-04	0.011	39.565	TRUE	4.15E-09
FVC	ITGAM	cg15817542	rs1143678	T	C	-0.922	0.032	0.144	1.86E-183	0.007	0.003	0.032	0.184	833.875	TRUE	4.60E-167
FVC	ITGAM	cg15817542	rs11649290	T	A	-0.180	0.026	0.265	8.26E-12	0.007	0.003	0.012	0.012	46.678	TRUE	5.82E-11
FVC	ITGAM	cg15817542	rs78522165	A	G	0.309	0.048	0.060	1.15E-10	-0.014	0.004	0.001	0.011	41.520	TRUE	1.10E-09
FVC	ITGAM	cg15817542	rs8048583	T	C	0.407	0.025	0.332	5.64E-61	-0.009	0.003	4.63E-04	0.068	271.248	TRUE	1.11E-56
FVC	ITPR1	cg02799411	rs2279748	C	G	-0.220	0.025	0.358	6.43E-19	-0.004	0.003	0.082	0.021	78.888	TRUE	5.42E-18
FVC	ITPR1	cg03648908	rs11712971	A	G	-0.263	0.029	0.205	9.35E-20	-0.002	0.003	0.504	0.022	82.698	TRUE	3.51E-19
FVC	ITPR1	cg03648908	rs140128694	A	G	0.818	0.094	0.032	4.32E-18	0.010	0.007	0.139	0.020	75.131	TRUE	2.79E-17
FVC	ITPR1	cg03648908	rs1550559	A	G	-0.236	0.026	0.269	7.47E-20	-0.004	0.003	0.159	0.022	83.140	TRUE	5.33E-19
FVC	ITPR1	cg03648908	rs3805009	A	G	0.726	0.026	0.244	2.25E-173	0.003	0.003	0.242	0.176	787.526	TRUE	1.67E-159
FVC	ITPR1	cg03648908	rs4685815	T	C	0.628	0.085	0.035	1.71E-13	0.010	0.007	0.109	0.014	54.286	TRUE	7.94E-13
FVC	ITPR1	cg03836615	rs2304820	C	T	0.328	0.028	0.215	2.90E-31	0.002	0.003	0.550	0.035	135.184	TRUE	2.45E-30

FVC	ITPR1	cg03836615	rs901853	T	G	-0.633	0.082	0.042	1.10E-14	-0.005	0.005	0.344	0.016	59.675	TRUE	3.57E-14
FVC	ITPR1	cg05795849	rs17786144	C	T	0.309	0.034	0.129	2.00E-19	0.005	0.003	0.131	0.021	81.199	TRUE	1.46E-18
FVC	ITPR1	cg05795849	rs2053504	G	A	0.142	0.024	0.409	3.13E-09	-0.001	0.002	0.727	0.009	35.080	TRUE	4.81E-09
FVC	ITPR1	cg05795849	rs2633714	G	A	-0.187	0.025	0.326	1.11E-13	0.001	0.003	0.847	0.015	55.126	TRUE	1.95E-13
FVC	ITPR1	cg05795849	rs3828436	G	T	-0.304	0.024	0.401	2.31E-37	-0.005	0.002	0.052	0.042	163.067	TRUE	1.79E-35
FVC	ITPR1	cg05795849	rs6772040	T	C	-0.360	0.059	0.084	8.03E-10	0.000	0.004	0.982	0.010	37.732	TRUE	1.05E-09
FVC	ITPR1	cg05795849	rs931387	C	T	-0.175	0.025	0.345	9.96E-13	-0.007	0.002	0.005	0.014	50.825	TRUE	1.02E-11
FVC	ITPR1	cg08998950	rs2119802	A	G	0.574	0.046	0.185	4.49E-35	-0.001	0.003	0.729	0.040	152.604	TRUE	4.13E-34
FVC	ITPR1	cg08998950	rs3805015	G	A	0.183	0.033	0.418	1.98E-08	0.007	0.002	0.003	0.008	31.497	TRUE	1.22E-07
FVC	ITPR1	cg08998950	rs75652455	T	C	0.931	0.102	0.023	9.98E-20	-0.012	0.007	0.086	0.022	82.568	TRUE	8.96E-19
FVC	ITPR1	cg08998950	rs901854	G	A	0.463	0.023	0.397	1.60E-87	-0.002	0.002	0.453	0.096	393.065	TRUE	3.20E-83
FVC	ITPR1	cg08998950	rs9838930	C	T	0.217	0.024	0.395	1.83E-19	-0.004	0.002	0.090	0.022	81.366	TRUE	1.55E-18
FVC	ITPR1	cg09654471	rs115959858	A	G	-0.414	0.071	0.068	4.59E-09	-0.003	0.005	0.578	0.009	34.339	TRUE	7.91E-09
FVC	ITPR1	cg09654471	rs2639801	G	A	-0.210	0.038	0.300	2.43E-08	0.005	0.003	0.066	0.008	31.099	TRUE	7.89E-08
FVC	ITPR1	cg09654471	rs4685775	G	A	-0.360	0.041	0.099	2.46E-18	0.006	0.004	0.140	0.020	76.244	TRUE	1.62E-17
FVC	ITPR1	cg09654471	rs56098012	C	A	0.222	0.025	0.467	7.54E-19	-0.002	0.002	0.320	0.021	78.576	TRUE	3.44E-18
FVC	ITPR1	cg09654471	rs73102490	A	G	-1.291	0.037	0.106	1.79E-272	0.002	0.004	0.610	0.252	1243.190	TRUE	1.60E-243
FVC	ITPR1	cg10887945	rs3792497	T	C	0.178	0.027	0.244	3.28E-11	0.004	0.003	0.195	0.012	43.977	TRUE	1.03E-10
FVC	ITPR1	cg11584376	rs11922422	C	G	0.237	0.031	0.161	1.79E-14	0.002	0.003	0.546	0.016	58.722	TRUE	4.42E-14
FVC	ITPR1	cg11584376	rs55963437	T	C	-0.179	0.033	0.139	4.81E-08	0.005	0.003	0.107	0.008	29.774	TRUE	1.36E-07
FVC	ITPR1	cg11584376	rs6781893	T	C	0.215	0.029	0.204	1.60E-13	-0.008	0.003	0.009	0.014	54.409	TRUE	1.52E-12
FVC	ITPR1	cg11584376	rs6785305	A	G	0.224	0.031	0.435	8.50E-13	0.003	0.002	0.288	0.014	51.136	TRUE	2.54E-12
FVC	ITPR1	cg11584376	rs9880589	G	T	-0.472	0.023	0.452	5.16E-97	0.004	0.002	0.118	0.106	436.647	TRUE	2.84E-91
FVC	ITPR1	cg11600734	rs2279748	C	G	-0.205	0.025	0.358	1.02E-16	-0.004	0.003	0.082	0.018	68.884	TRUE	7.01E-16
FVC	ITPR1	cg13707945	rs4684433	C	T	-0.140	0.025	0.329	1.38E-08	0.003	0.003	0.322	0.009	32.203	TRUE	2.95E-08
FVC	ITPR1	cg18689402	rs115959858	A	G	-0.391	0.071	0.068	3.34E-08	-0.003	0.005	0.578	0.008	30.483	TRUE	5.49E-08
FVC	ITPR1	cg18689402	rs11712103	C	G	-0.350	0.049	0.114	8.14E-13	0.004	0.004	0.283	0.014	51.220	TRUE	2.46E-12
FVC	ITPR1	cg18689402	rs2639801	G	A	-0.366	0.037	0.300	8.00E-23	0.005	0.003	0.066	0.025	96.664	TRUE	1.07E-21
FVC	ITPR1	cg18689402	rs56098012	C	A	0.349	0.025	0.467	6.39E-45	-0.002	0.002	0.320	0.051	197.668	TRUE	3.57E-43
FVC	ITPR1	cg18689402	rs6785564	G	A	-1.121	0.030	0.143	<1E-200	0.006	0.003	0.097	0.279	1429.598	TRUE	2.31E-274
FVC	ITPR1	cg19885037	rs7631664	G	A	-0.228	0.029	0.205	3.14E-15	-0.008	0.003	0.006	0.017	62.143	TRUE	3.93E-14
FVC	ITPR1	cg21407899	rs1051559	G	A	0.405	0.030	0.188	9.11E-43	-0.003	0.003	0.285	0.048	187.804	TRUE	4.56E-41
FVC	ITPR1	cg21407899	rs13096481	T	C	-0.140	0.025	0.319	3.58E-08	0.004	0.003	0.115	0.008	30.349	TRUE	1.02E-07
FVC	ITPR1	cg21407899	rs17041507	C	T	1.001	0.118	0.017	2.16E-17	0.011	0.008	0.166	0.019	71.950	TRUE	1.20E-16
FVC	ITPR1	cg26389914	rs11712971	A	G	-0.269	0.029	0.205	4.52E-21	-0.002	0.003	0.504	0.023	88.682	TRUE	1.87E-20
FVC	ITPR1	cg26389914	rs143961394	C	T	0.620	0.092	0.032	1.87E-11	0.010	0.007	0.144	0.012	45.080	TRUE	6.66E-11
FVC	ITPR1	cg26389914	rs1550559	A	G	-0.242	0.026	0.269	3.01E-21	-0.004	0.003	0.159	0.024	89.491	TRUE	2.43E-20
FVC	ITPR1	cg26389914	rs3805009	A	G	0.737	0.025	0.244	5.40E-186	0.003	0.003	0.242	0.186	845.537	TRUE	2.17E-170
FVC	ITPR1	cg26389914	rs4685807	G	A	0.211	0.031	0.156	9.58E-12	0.002	0.003	0.528	0.012	46.387	TRUE	2.02E-11
FVC	ITPR1	cg26389914	rs4685815	T	C	0.602	0.084	0.035	5.96E-13	0.010	0.007	0.109	0.014	51.833	TRUE	2.64E-12
FVC	ITPR1	cg26389914	rs77255589	T	C	0.362	0.061	0.038	2.63E-09	0.001	0.006	0.882	0.009	35.423	TRUE	3.65E-09
FVC	JMY	cg05350396	rs10474583	G	A	-0.236	0.027	0.244	1.55E-18	-0.003	0.003	0.257	0.020	77.152	TRUE	7.79E-18

FVC	JMY	cg05350396	rs149879950	A	G	-2.042	0.075	0.024	3.51E-161	-0.002	0.008	0.849	0.165	731.477	TRUE	5.66E-150
FVC	JMY	cg05350396	rs16876289	C	T	-0.936	0.100	0.013	6.23E-21	-0.020	0.011	0.077	0.023	88.051	TRUE	6.68E-20
FVC	JMY	cg05350396	rs626105	A	G	-0.184	0.028	0.209	1.13E-10	-0.007	0.003	0.018	0.011	41.560	TRUE	6.41E-10
FVC	JMY	cg05350396	rs7700970	T	C	-0.161	0.025	0.301	1.60E-10	-0.003	0.003	0.339	0.011	40.874	TRUE	3.86E-10
FVC	JMY	cg05350396	rs8180502	A	G	-0.159	0.025	0.298	4.49E-10	0.010	0.003	1.30E-04	0.010	38.867	TRUE	5.55E-09
FVC	JMY	cg09228878	rs6889156	T	C	0.151	0.025	0.336	8.17E-10	0.013	0.003	2.02E-07	0.010	37.698	TRUE	2.02E-08
FVC	JMY	cg24856658	rs12189248	T	C	-0.267	0.024	0.359	3.49E-28	0.012	0.002	1.57E-06	0.032	121.112	TRUE	1.78E-25
FVC	KDM1A	cg01718365	rs6658785	C	T	0.235	0.030	0.179	9.93E-15	-0.005	0.003	0.121	0.016	59.878	TRUE	5.04E-14
FVC	KDM1A	cg22683154	rs4620508	T	C	0.140	0.025	0.327	1.99E-08	-0.006	0.003	0.022	0.008	31.486	TRUE	8.39E-08
FVC	KDM1A	cg23271558	rs2072945	A	C	-0.264	0.032	0.151	1.58E-16	0.008	0.003	0.022	0.018	68.029	TRUE	1.67E-15
FVC	KDR	cg01340163	rs11722486	T	G	0.307	0.031	0.188	1.14E-23	-0.015	0.003	7.84E-07	0.026	100.526	TRUE	2.93E-21
FVC	KDR	cg07098391	rs12498317	A	G	-0.144	0.026	0.298	1.88E-08	-0.004	0.003	0.089	0.008	31.601	TRUE	5.79E-08
FVC	KDR	cg18177533	rs1350542	T	C	0.127	0.023	0.489	4.69E-08	0.013	0.002	7.20E-08	0.008	29.823	TRUE	8.58E-07
FVC	KDR	cg19420645	rs185919570	T	C	-0.171	0.030	0.174	1.65E-08	-0.008	0.003	0.010	0.009	31.851	TRUE	8.25E-08
FVC	KDR	cg19420645	rs78590050	C	T	0.495	0.037	0.187	2.80E-40	-0.005	0.003	0.118	0.046	176.417	TRUE	1.85E-38
FVC	KDR	cg25444386	rs6818203	C	T	0.174	0.031	0.180	2.04E-08	-0.015	0.003	1.22E-06	0.008	31.436	TRUE	3.23E-07
FVC	KIF1B	cg03517919	rs11121529	G	C	0.510	0.037	0.112	3.69E-42	-0.007	0.004	0.047	0.048	185.023	TRUE	5.24E-40
FVC	KIF1B	cg03517919	rs11121551	C	T	-0.246	0.024	0.358	3.52E-24	0.009	0.002	2.64E-04	0.027	102.849	TRUE	3.25E-22
FVC	KIF1B	cg11342332	rs12127553	G	A	0.156	0.024	0.336	1.13E-10	0.009	0.003	2.94E-04	0.011	41.558	TRUE	1.33E-09
FVC	KIF1B	cg11342332	rs185146752	A	G	0.414	0.068	0.028	1.36E-09	0.024	0.007	5.09E-04	0.010	36.711	TRUE	1.28E-08
FVC	KIF1B	cg11342332	rs4846204	T	C	-0.239	0.036	0.124	1.95E-11	-0.006	0.004	0.098	0.012	44.994	TRUE	7.82E-11
FVC	KIF1B	cg11399195	rs11121529	G	C	-0.513	0.037	0.112	8.95E-43	-0.007	0.004	0.047	0.048	187.839	TRUE	1.37E-40
FVC	KIF1B	cg11399195	rs4240911	C	T	0.257	0.025	0.328	3.66E-25	0.006	0.003	0.014	0.028	107.328	TRUE	1.15E-23
FVC	KIF1B	cg11712187	rs11121525	T	C	0.232	0.038	0.102	1.00E-09	0.005	0.004	0.211	0.010	37.303	TRUE	2.69E-09
FVC	KIF1B	cg11712187	rs1307490	T	C	0.305	0.044	0.080	4.95E-12	0.011	0.004	0.015	0.013	47.680	TRUE	3.47E-11
FVC	KIF1B	cg11712187	rs568844631	C	T	0.878	0.067	0.028	7.08E-39	0.023	0.007	0.001	0.044	169.994	TRUE	2.91E-36
FVC	KIF1B	cg11802797	rs11121529	G	C	0.336	0.038	0.112	5.13E-19	-0.007	0.004	0.047	0.021	79.335	TRUE	5.39E-18
FVC	KIF1B	cg11802797	rs35859381	A	G	-0.168	0.024	0.356	4.44E-12	0.009	0.002	3.07E-04	0.013	47.896	TRUE	6.92E-11
FVC	KIF1B	cg15208524	rs35111552	G	C	0.289	0.025	0.290	2.30E-30	0.004	0.003	0.118	0.034	131.078	TRUE	5.24E-29
FVC	KIF1B	cg19092837	rs11121529	G	C	-0.334	0.037	0.112	2.22E-19	-0.007	0.004	0.047	0.021	80.989	TRUE	2.42E-18
FVC	KIF1B	cg19092837	rs115297149	T	G	0.492	0.066	0.028	8.27E-14	0.024	0.007	5.09E-04	0.015	55.711	TRUE	1.46E-12
FVC	KIF1B	cg19092837	rs12127553	G	A	0.145	0.024	0.336	1.80E-09	0.009	0.003	2.94E-04	0.010	36.162	TRUE	1.75E-08
FVC	KIF1B	cg23716690	rs11121529	G	C	-0.371	0.038	0.112	8.38E-23	-0.007	0.004	0.047	0.025	96.572	TRUE	1.30E-21
FVC	KIF1B	cg23716690	rs12127553	G	A	0.473	0.024	0.336	5.51E-87	0.009	0.003	2.94E-04	0.096	390.600	TRUE	1.74E-80
FVC	KIF1B	cg23716690	rs2086650	T	C	-0.136	0.024	0.459	8.20E-09	-0.002	0.002	0.318	0.009	33.209	TRUE	1.79E-08
FVC	KIF1B	cg23716690	rs61782927	G	A	0.317	0.056	0.040	1.42E-08	0.015	0.006	0.017	0.009	32.147	TRUE	6.45E-08
FVC	KIF1B	cg26116724	rs113331329	G	C	-0.464	0.073	0.030	2.22E-10	-0.014	0.007	0.039	0.011	40.244	TRUE	1.02E-09
FVC	KIF1B	cg26247646	rs11121529	G	C	-0.549	0.037	0.112	1.06E-48	-0.007	0.004	0.047	0.055	214.976	TRUE	3.55E-46
FVC	KIF1B	cg26247646	rs4240911	C	T	0.289	0.025	0.328	1.95E-31	0.006	0.003	0.014	0.035	135.974	TRUE	1.28E-29
FVC	KIF1B	cg26247646	rs7536149	T	C	-0.145	0.026	0.274	1.41E-08	-0.003	0.003	0.194	0.009	32.152	TRUE	3.51E-08
FVC	KIF25	cg01134139	rs2636354	C	T	-0.270	0.027	0.343	3.62E-24	0.006	0.003	0.024	0.027	102.789	TRUE	8.68E-23
FVC	KIF25	cg01134139	rs4708627	G	A	0.466	0.036	0.163	2.77E-39	0.004	0.003	0.221	0.044	171.863	TRUE	1.07E-37

FVC	KIF25	cg01878651	rs117005976	G	C	0.435	0.042	0.098	1.23E-25	-0.005	0.004	0.238	0.029	109.486	TRUE	1.18E-24
FVC	KIF25	cg01878651	rs117460701	T	C	-0.583	0.103	0.033	1.64E-08	0.002	0.006	0.758	0.009	31.859	TRUE	2.40E-08
FVC	KIF25	cg01878651	rs11964963	C	T	0.248	0.029	0.279	9.20E-18	-0.001	0.003	0.800	0.020	73.638	TRUE	2.11E-17
FVC	KIF25	cg01878651	rs227235	T	C	-0.674	0.025	0.325	2.66E-155	0.004	0.003	0.081	0.160	704.450	TRUE	3.84E-143
FVC	KIF25	cg01878651	rs227239	T	C	0.275	0.035	0.162	4.18E-15	0.006	0.003	0.082	0.016	61.581	TRUE	2.47E-14
FVC	KIF25	cg01878651	rs3734887	T	C	0.245	0.030	0.206	7.24E-16	-0.006	0.003	0.025	0.017	65.031	TRUE	6.62E-15
FVC	KIF25	cg01878651	rs649023	T	C	-0.204	0.027	0.373	2.75E-14	0.001	0.002	0.756	0.015	57.875	TRUE	5.47E-14
FVC	KIF25	cg03119088	rs6455477	A	T	-0.214	0.029	0.279	7.08E-14	0.002	0.003	0.470	0.015	56.016	TRUE	1.85E-13
FVC	KIF25	cg03662475	rs2636354	C	T	-0.162	0.027	0.343	1.35E-09	0.006	0.003	0.024	0.010	36.727	TRUE	6.50E-09
FVC	KIF25	cg03873264	rs116937646	C	T	-0.329	0.052	0.062	2.96E-10	-0.008	0.005	0.096	0.011	39.676	TRUE	1.06E-09
FVC	KIF25	cg03873264	rs2076664	A	G	0.203	0.035	0.168	5.04E-09	0.000	0.003	0.990	0.009	34.154	TRUE	6.34E-09
FVC	KIF25	cg03873264	rs55996044	A	C	0.163	0.026	0.359	5.27E-10	-0.005	0.003	0.035	0.010	38.553	TRUE	2.37E-09
FVC	KIF25	cg03873264	rs57847661	T	A	-0.439	0.043	0.099	5.48E-25	-0.009	0.004	0.017	0.028	106.529	TRUE	1.65E-23
FVC	KIF25	cg03873264	rs62426260	G	A	-0.227	0.028	0.289	3.10E-16	-0.006	0.003	0.043	0.018	66.701	TRUE	2.59E-15
FVC	KIF25	cg03873264	rs73040830	C	T	-1.791	0.070	0.031	1.74E-144	-0.008	0.007	0.261	0.150	654.748	TRUE	2.65E-134
FVC	KIF25	cg03873264	rs7741791	A	C	-0.305	0.033	0.193	7.08E-21	0.001	0.003	0.713	0.023	87.796	TRUE	2.16E-20
FVC	KIF25	cg03873264	rs9455926	T	C	-0.193	0.029	0.279	2.44E-11	-0.001	0.003	0.831	0.012	44.554	TRUE	3.87E-11
FVC	KIF25	cg04680494	rs4708629	C	T	-0.157	0.026	0.402	1.51E-09	-0.004	0.002	0.150	0.010	36.496	TRUE	4.54E-09
FVC	KIF25	cg05282968	rs6922131	A	G	0.255	0.029	0.260	1.37E-18	0.001	0.003	0.651	0.020	77.392	TRUE	3.92E-18
FVC	KIF25	cg05392263	rs112582432	G	C	0.413	0.036	0.153	5.79E-30	0.000	0.003	0.956	0.034	129.243	TRUE	2.47E-29
FVC	KIF25	cg05392263	rs12663760	T	C	-0.303	0.044	0.076	7.28E-12	-0.007	0.004	0.097	0.013	46.925	TRUE	3.05E-11
FVC	KIF25	cg05392263	rs2636354	C	T	-0.154	0.027	0.343	8.67E-09	0.006	0.003	0.024	0.009	33.101	TRUE	3.81E-08
FVC	KIF25	cg08476511	rs10455760	T	G	0.178	0.029	0.275	7.19E-10	0.001	0.003	0.725	0.010	37.947	TRUE	1.16E-09
FVC	KIF25	cg08476511	rs227235	T	C	-0.422	0.026	0.325	1.22E-57	0.004	0.003	0.081	0.065	255.957	TRUE	1.05E-54
FVC	KIF25	cg08476511	rs2516795	G	T	0.180	0.030	0.215	2.23E-09	-0.003	0.003	0.258	0.010	35.744	TRUE	5.48E-09
FVC	KIF25	cg08476511	rs4708627	G	A	0.838	0.034	0.163	6.02E-131	0.004	0.003	0.221	0.138	592.528	TRUE	3.48E-122
FVC	KIF25	cg08476511	rs6900844	A	G	0.354	0.030	0.243	6.91E-33	0.001	0.003	0.684	0.037	142.601	TRUE	5.41E-32
FVC	KIF25	cg08476511	rs739322	A	G	0.462	0.043	0.081	1.78E-26	-0.007	0.004	0.088	0.030	113.321	TRUE	3.19E-25
FVC	KIF25	cg08476511	rs9455935	T	C	-0.235	0.029	0.260	8.41E-16	0.002	0.003	0.453	0.017	64.736	TRUE	2.51E-15
FVC	KIF25	cg10146514	rs2636362	G	T	-0.225	0.026	0.409	2.80E-18	0.007	0.002	0.003	0.020	75.981	TRUE	6.11E-17
FVC	KIF25	cg12003941	rs2516795	G	T	0.175	0.030	0.215	6.18E-09	-0.003	0.003	0.258	0.009	33.760	TRUE	1.47E-08
FVC	KIF25	cg12003941	rs2636362	G	T	-0.226	0.026	0.409	1.75E-18	0.007	0.002	0.003	0.020	76.907	TRUE	3.92E-17
FVC	KIF25	cg12003941	rs4708627	G	A	0.319	0.036	0.163	5.89E-19	0.004	0.003	0.221	0.021	79.061	TRUE	3.25E-18
FVC	KIF25	cg12003941	rs78769974	T	C	-0.403	0.062	0.047	1.03E-10	0.001	0.005	0.876	0.011	41.746	TRUE	1.51E-10
FVC	KIF25	cg12003941	rs9295037	T	C	0.613	0.044	0.080	6.32E-45	-0.007	0.004	0.104	0.051	197.688	TRUE	8.28E-43
FVC	KIF25	cg13314057	rs57938508	G	A	0.208	0.029	0.260	1.28E-12	0.002	0.003	0.539	0.013	50.339	TRUE	2.80E-12
FVC	KIF25	cg13770417	rs2843005	T	C	0.154	0.028	0.281	4.24E-08	-0.001	0.003	0.758	0.008	30.021	TRUE	6.04E-08
FVC	KIF25	cg13770417	rs41266301	C	T	-1.238	0.039	0.100	2.88E-222	-0.005	0.004	0.220	0.215	1012.308	TRUE	4.06E-201
FVC	KIF25	cg13770417	rs4708629	C	T	0.177	0.026	0.402	9.79E-12	-0.004	0.002	0.150	0.012	46.344	TRUE	3.55E-11
FVC	KIF25	cg13770417	rs55996044	A	C	0.253	0.026	0.359	3.43E-22	-0.005	0.003	0.035	0.025	93.784	TRUE	5.50E-21
FVC	KIF25	cg13770417	rs9455928	A	T	-0.180	0.029	0.279	5.19E-10	0.000	0.003	0.876	0.010	38.584	TRUE	7.40E-10
FVC	KIF25	cg14316629	rs2516811	A	G	-0.291	0.031	0.226	1.71E-21	-0.002	0.003	0.591	0.024	90.611	TRUE	6.22E-21

FVC	KIF25	cg14316629	rs2843005	T	C	-0.197	0.028	0.281	2.28E-12	-0.001	0.003	0.758	0.013	49.201	TRUE	3.99E-12
FVC	KIF25	cg14316629	rs4708627	G	A	-0.554	0.035	0.163	2.95E-55	0.004	0.003	0.221	0.062	245.028	TRUE	8.09E-53
FVC	KIF25	cg14316629	rs73042810	C	T	-0.485	0.062	0.049	3.17E-15	0.000	0.005	0.958	0.017	62.124	TRUE	5.39E-15
FVC	KIF25	cg14316629	rs9295037	T	C	0.760	0.043	0.080	2.43E-69	-0.007	0.004	0.104	0.077	309.623	TRUE	1.05E-65
FVC	KIF25	cg15371806	rs227239	T	C	0.767	0.034	0.162	5.94E-114	0.006	0.003	0.082	0.122	514.448	TRUE	1.83E-106
FVC	KIF25	cg15371806	rs57161854	T	C	0.601	0.096	0.021	4.17E-10	0.011	0.008	0.203	0.010	39.010	TRUE	1.18E-09
FVC	KIF25	cg15371806	rs9346641	A	T	-0.273	0.029	0.241	5.17E-21	-0.007	0.003	0.009	0.023	88.419	TRUE	1.19E-19
FVC	KIF25	cg15371806	rs9455933	T	C	-0.154	0.026	0.444	2.21E-09	-0.005	0.002	0.040	0.010	35.757	TRUE	9.11E-09
FVC	KIF25	cg16038269	rs227238	C	G	-0.175	0.027	0.321	8.45E-11	0.005	0.003	0.049	0.011	42.129	TRUE	3.94E-10
FVC	KIF25	cg16320173	rs9364390	T	G	-0.250	0.045	0.079	2.54E-08	-0.006	0.004	0.203	0.008	31.017	TRUE	6.18E-08
FVC	KIF25	cg16912129	rs3823455	G	A	-0.371	0.043	0.099	2.63E-18	-0.010	0.004	0.014	0.020	76.109	TRUE	3.96E-17
FVC	KIF25	cg16912129	rs62426260	G	A	-0.173	0.028	0.289	5.99E-10	-0.006	0.003	0.043	0.010	38.303	TRUE	2.61E-09
FVC	KIF25	cg16912129	rs6924345	C	G	-0.193	0.032	0.203	2.52E-09	0.000	0.003	0.928	0.010	35.505	TRUE	3.39E-09
FVC	KIF25	cg16912129	rs73040836	T	G	-1.452	0.072	0.030	2.74E-90	-0.008	0.007	0.257	0.099	405.765	TRUE	1.86E-85
FVC	KIF25	cg16912129	rs7741791	A	C	-0.221	0.033	0.193	1.48E-11	0.001	0.003	0.713	0.012	45.541	TRUE	2.60E-11
FVC	KIF25	cg18009322	rs227239	T	C	0.374	0.035	0.162	9.19E-27	0.006	0.003	0.082	0.030	114.629	TRUE	1.69E-25
FVC	KIF25	cg18009322	rs2516791	T	C	-0.155	0.026	0.434	1.59E-09	0.004	0.002	0.082	0.010	36.402	TRUE	5.62E-09
FVC	KIF25	cg18319852	rs10945461	C	T	-0.224	0.027	0.294	3.31E-16	0.004	0.003	0.172	0.018	66.575	TRUE	1.61E-15
FVC	KIF25	cg18319852	rs9295037	T	C	0.669	0.043	0.080	1.38E-53	-0.007	0.004	0.104	0.060	237.371	TRUE	5.65E-51
FVC	KIF25	cg21477075	rs3778670	T	C	0.450	0.036	0.153	2.83E-35	0.000	0.003	0.965	0.040	153.516	TRUE	1.79E-34
FVC	KIF25	cg21477075	rs6455469	C	T	0.230	0.034	0.163	2.27E-11	-0.009	0.003	0.005	0.012	44.695	TRUE	1.87E-10
FVC	KIF25	cg21477075	rs739323	T	G	0.466	0.064	0.043	3.61E-13	-0.005	0.006	0.356	0.014	52.818	TRUE	1.02E-12
FVC	KIF25	cg21477075	rs78484265	C	A	0.210	0.038	0.121	3.42E-08	-0.004	0.004	0.288	0.008	30.434	TRUE	7.36E-08
FVC	KIF25	cg21477075	rs9455911	G	C	-0.218	0.027	0.352	5.42E-16	0.000	0.003	0.876	0.017	65.604	TRUE	1.04E-15
FVC	KIF25	cg21477075	rs957382	T	C	-0.477	0.026	0.323	2.83E-73	0.005	0.003	0.036	0.081	327.670	TRUE	5.23E-69
FVC	KIF25	cg21906947	rs4708628	C	T	-0.198	0.027	0.294	5.23E-13	0.004	0.003	0.154	0.014	52.088	TRUE	2.06E-12
FVC	KIF25	cg23823000	rs140772139	A	G	-0.218	0.038	0.126	7.57E-09	-0.005	0.004	0.164	0.009	33.365	TRUE	2.07E-08
FVC	KIF25	cg23823000	rs2516811	A	G	-0.445	0.030	0.226	6.03E-49	-0.002	0.003	0.591	0.055	216.104	TRUE	2.79E-47
FVC	KIF25	cg23823000	rs4708627	G	A	-0.970	0.034	0.163	1.32E-181	0.004	0.003	0.221	0.182	825.369	TRUE	1.39E-166
FVC	KIF25	cg23823000	rs4708628	C	T	0.573	0.027	0.294	5.05E-103	0.004	0.003	0.154	0.112	464.244	TRUE	7.58E-97
FVC	KIF25	cg23823000	rs6900844	A	G	-0.258	0.030	0.243	4.50E-18	0.001	0.003	0.684	0.020	75.050	TRUE	1.17E-17
FVC	KIF25	cg23823000	rs73028311	T	C	-0.608	0.108	0.030	2.02E-08	-0.003	0.007	0.702	0.008	31.455	TRUE	3.07E-08
FVC	KIF25	cg23823000	rs73042809	C	A	-0.437	0.059	0.054	8.17E-14	0.001	0.005	0.783	0.015	55.735	TRUE	1.53E-13
FVC	KIF25	cg24246628	rs10455760	T	G	0.193	0.029	0.275	2.45E-11	0.001	0.003	0.725	0.012	44.551	TRUE	4.27E-11
FVC	KIF25	cg24246628	rs10945461	C	T	-0.399	0.027	0.294	4.25E-49	0.004	0.003	0.172	0.055	216.804	TRUE	6.30E-47
FVC	KIF25	cg24246628	rs2516795	G	T	0.197	0.030	0.215	6.38E-11	-0.003	0.003	0.258	0.011	42.677	TRUE	1.76E-10
FVC	KIF25	cg24246628	rs2516811	A	G	0.257	0.031	0.226	4.94E-17	-0.002	0.003	0.591	0.019	70.321	TRUE	1.33E-16
FVC	KIF25	cg24246628	rs4708627	G	A	0.825	0.034	0.163	7.54E-127	0.004	0.003	0.221	0.134	573.699	TRUE	1.59E-118
FVC	KIF25	cg24246628	rs58330333	C	T	0.528	0.043	0.084	1.42E-34	-0.008	0.004	0.076	0.039	150.321	TRUE	6.45E-33
FVC	KIF25	cg25945504	rs6455477	A	T	-0.242	0.029	0.279	2.33E-17	0.002	0.003	0.470	0.019	71.807	TRUE	7.69E-17
FVC	KIF25	cg25945504	rs73260879	G	A	-1.974	0.120	0.011	6.78E-61	0.005	0.011	0.672	0.068	270.879	TRUE	1.20E-58
FVC	KIF25	cg25945504	rs739322	A	G	0.344	0.044	0.081	2.81E-15	-0.007	0.004	0.088	0.017	62.363	TRUE	1.69E-14

FVC	KIF25	cg27083466	rs73040836	T	G	-0.617	0.074	0.030	7.96E-17	-0.008	0.007	0.257	0.018	69.382	TRUE	3.45E-16
FVC	KIT	cg01819568	rs3819385	A	G	0.408	0.057	0.049	8.35E-13	-0.001	0.006	0.875	0.014	51.169	TRUE	1.36E-12
FVC	KIT	cg06483432	rs12643659	G	T	-0.495	0.051	0.057	1.86E-22	0.000	0.005	0.947	0.025	94.998	TRUE	4.73E-22
FVC	KIT	cg06483432	rs3819387	G	A	0.243	0.024	0.386	5.66E-24	0.006	0.002	0.009	0.027	101.906	TRUE	1.84E-22
FVC	KIT	cg17854066	rs6855603	G	A	-0.200	0.023	0.486	1.35E-17	0.001	0.002	0.591	0.019	72.880	TRUE	3.86E-17
FVC	KIT	cg18836493	rs981959	G	T	0.367	0.024	0.433	6.13E-55	-0.005	0.002	0.047	0.062	243.570	TRUE	4.80E-52
FVC	KIT	cg19041419	rs7684000	T	A	-0.175	0.024	0.407	1.69E-13	0.005	0.002	0.061	0.014	54.311	TRUE	9.50E-13
FVC	LAPTM5	cg08463932	rs11801629	G	C	0.473	0.025	0.291	1.69E-78	-0.001	0.003	0.611	0.087	351.642	TRUE	4.60E-75
FVC	LAPTM5	cg10001720	rs10737354	T	G	0.368	0.023	0.462	4.74E-57	-0.002	0.002	0.457	0.064	253.252	TRUE	8.17E-55
FVC	LAPTM5	cg10001720	rs10753237	A	G	-0.298	0.045	0.158	2.20E-11	-0.010	0.003	0.002	0.012	44.760	TRUE	2.12E-10
FVC	LAPTM5	cg10001720	rs10914199	T	C	0.473	0.030	0.186	2.70E-57	0.007	0.003	0.025	0.064	254.369	TRUE	4.72E-54
FVC	LAPTM5	cg10001720	rs11584510	T	G	-0.272	0.042	0.080	9.86E-11	0.003	0.004	0.436	0.011	41.826	TRUE	2.15E-10
FVC	LAPTM5	cg10001720	rs1188348	C	T	0.844	0.022	0.325	<1E-200	-0.004	0.003	0.085	0.294	1538.550	TRUE	6.13E-293
FVC	LAPTM5	cg10001720	rs12130925	G	A	-0.395	0.039	0.099	1.10E-23	0.006	0.004	0.099	0.026	100.586	TRUE	1.36E-22
FVC	LAPTM5	cg10001720	rs2506968	T	C	-0.147	0.025	0.335	2.32E-09	-0.001	0.003	0.677	0.010	35.663	TRUE	3.73E-09
FVC	LAPTM5	cg10001720	rs4949310	T	C	0.217	0.025	0.319	1.91E-18	-0.001	0.003	0.568	0.020	76.740	TRUE	5.86E-18
FVC	LAPTM5	cg10001720	rs72657208	G	C	-0.546	0.046	0.077	2.71E-32	-0.003	0.004	0.550	0.036	139.888	TRUE	2.56E-31
FVC	LAPTM5	cg10001720	rs76756206	G	C	-0.587	0.079	0.017	1.01E-13	-0.016	0.007	0.018	0.015	55.310	TRUE	8.21E-13
FVC	LAPTM5	cg10709350	rs1149050	G	A	-0.307	0.028	0.234	7.27E-28	-0.005	0.003	0.074	0.031	119.658	TRUE	1.60E-26
FVC	LAPTM5	cg10709350	rs1149053	T	C	-0.273	0.031	0.164	7.52E-19	0.003	0.003	0.399	0.021	78.579	TRUE	3.00E-18
FVC	LAPTM5	cg10709350	rs1391381	C	T	-0.149	0.027	0.250	3.16E-08	-0.002	0.003	0.387	0.008	30.593	TRUE	6.10E-08
FVC	LAPTM5	cg10709350	rs1882023	T	C	-0.222	0.025	0.291	1.31E-18	0.002	0.003	0.490	0.021	77.487	TRUE	4.53E-18
FVC	LAPTM5	cg10709350	rs2377485	A	G	0.253	0.030	0.184	2.63E-17	-0.005	0.003	0.063	0.019	71.569	TRUE	2.13E-16
FVC	LAPTM5	cg10709350	rs3795438	T	C	0.927	0.022	0.268	<1E-200	0.004	0.003	0.169	0.326	1786.161	TRUE	<1E-200
FVC	LAPTM5	cg12654790	rs11801629	G	C	0.493	0.025	0.291	1.14E-85	-0.001	0.003	0.611	0.094	384.563	TRUE	1.04E-81
FVC	LAPTM5	cg12654790	rs6695981	C	T	0.172	0.028	0.213	7.17E-10	-0.002	0.003	0.571	0.010	37.954	TRUE	1.31E-09
FVC	LAPTM5	cg15459165	rs12744988	T	C	0.308	0.026	0.288	3.16E-33	-0.001	0.003	0.643	0.038	144.153	TRUE	2.76E-32
FVC	LAPTM5	cg15459165	rs35861413	A	C	-0.177	0.030	0.187	3.60E-09	0.007	0.003	0.021	0.009	34.808	TRUE	1.71E-08
FVC	LAPTM5	cg17418085	rs34854980	A	T	-0.206	0.030	0.184	4.53E-12	0.006	0.003	0.037	0.013	47.855	TRUE	2.63E-11
FVC	LAPTM5	cg18221336	rs1050663	T	C	-0.387	0.023	0.490	4.82E-65	0.001	0.002	0.571	0.073	289.904	TRUE	1.82E-62
FVC	LAPTM5	cg18221336	rs56286814	T	G	0.154	0.027	0.248	1.06E-08	0.005	0.003	0.048	0.009	32.712	TRUE	3.96E-08
FVC	LAPTM5	cg18411043	rs1050663	T	C	-0.166	0.023	0.490	1.39E-12	0.001	0.002	0.571	0.013	50.173	TRUE	2.91E-12
FVC	LAPTM5	cg18411043	rs35861413	A	C	-0.219	0.030	0.187	2.45E-13	0.007	0.003	0.021	0.014	53.577	TRUE	1.86E-12
FVC	LAPTM5	cg22034203	rs10753237	A	G	-0.283	0.045	0.158	2.19E-10	-0.010	0.003	0.002	0.011	40.270	TRUE	1.83E-09
FVC	LAPTM5	cg22034203	rs112880254	A	G	-0.350	0.037	0.110	4.30E-21	0.008	0.003	0.017	0.023	88.782	TRUE	8.24E-20
FVC	LAPTM5	cg22034203	rs11584510	T	G	-0.270	0.042	0.080	1.41E-10	0.003	0.004	0.436	0.011	41.134	TRUE	3.03E-10
FVC	LAPTM5	cg22034203	rs12403217	G	A	0.500	0.081	0.023	5.66E-10	-0.001	0.008	0.945	0.010	38.415	TRUE	7.65E-10
FVC	LAPTM5	cg22034203	rs1746056	T	C	0.791	0.021	0.401	<1E-200	-0.005	0.003	0.070	0.282	1451.701	TRUE	5.64E-278
FVC	LAPTM5	cg22034203	rs2273979	T	C	0.642	0.029	0.184	9.92E-108	0.007	0.003	0.030	0.116	485.863	TRUE	1.86E-100
FVC	LAPTM5	cg22034203	rs4310484	A	G	-0.190	0.033	0.136	1.28E-08	0.005	0.003	0.152	0.009	32.348	TRUE	3.44E-08
FVC	LAPTM5	cg22034203	rs76756206	G	C	-0.561	0.079	0.017	1.26E-12	-0.016	0.007	0.018	0.013	50.365	TRUE	9.02E-12
FVC	LAPTM5	cg24459792	rs12137058	G	T	-0.241	0.029	0.192	1.24E-16	0.007	0.003	0.024	0.018	68.502	TRUE	1.29E-15

FVC	LARP1	cg06062998	rs12153047	T	C	0.873	0.090	0.025	2.43E-22	0.000	0.008	0.980	0.025	94.463	TRUE	5.96E-22
FVC	LARP1	cg06062998	rs1421814	C	G	0.857	0.048	0.071	5.56E-72	0.004	0.005	0.375	0.080	321.736	TRUE	1.05E-68
FVC	LARP1	cg06062998	rs4348271	A	G	0.191	0.034	0.146	2.77E-08	-0.004	0.003	0.192	0.008	30.849	TRUE	6.80E-08
FVC	LARP1	cg06912665	rs3867429	T	C	0.241	0.023	0.494	6.08E-26	-0.001	0.002	0.555	0.029	110.887	TRUE	3.29E-25
FVC	LARP1	cg16835415	rs12153047	T	C	0.727	0.090	0.025	7.33E-16	0.000	0.008	0.980	0.017	65.007	TRUE	1.25E-15
FVC	LARP1	cg16835415	rs7709899	A	G	0.879	0.047	0.071	1.38E-79	0.004	0.005	0.362	0.088	356.642	TRUE	9.29E-76
FVC	LARP1	cg23944572	rs10039709	G	A	0.316	0.026	0.275	1.19E-33	0.006	0.003	0.036	0.038	146.093	TRUE	7.10E-32
FVC	LARP1	cg23944572	rs34514305	C	T	0.153	0.024	0.433	7.62E-11	-0.003	0.002	0.189	0.011	42.331	TRUE	2.36E-10
FVC	LEP	cg00666422	rs12535708	A	C	0.189	0.024	0.388	4.88E-15	0.007	0.002	0.008	0.016	61.274	TRUE	5.90E-14
FVC	LEP	cg00840332	rs12535708	A	C	0.206	0.024	0.388	3.33E-17	0.007	0.002	0.008	0.019	71.099	TRUE	5.22E-16
FVC	LEP	cg19594666	rs7811892	T	C	-0.144	0.023	0.442	9.79E-10	-0.002	0.002	0.393	0.010	37.347	TRUE	2.07E-09
FVC	LEP	cg23753947	rs11768580	G	A	0.499	0.077	0.018	8.96E-11	-0.009	0.010	0.328	0.011	42.014	TRUE	2.22E-10
FVC	LEP	cg25435800	rs3828942	A	G	-0.159	0.024	0.449	1.80E-11	-0.008	0.002	6.15E-04	0.012	45.158	TRUE	2.13E-10
FVC	LEP	cg26814075	rs12535708	A	C	0.136	0.025	0.388	2.99E-08	0.007	0.002	0.008	0.008	30.701	TRUE	1.54E-07
FVC	LGALS12	cg04075247	rs1307231	T	G	0.185	0.033	0.147	1.79E-08	0.002	0.003	0.591	0.008	31.693	TRUE	2.95E-08
FVC	LGALS12	cg04075247	rs1404504	T	G	0.655	0.031	0.395	4.31E-98	0.007	0.002	0.005	0.107	441.598	TRUE	3.97E-91
FVC	LGALS12	cg19529273	rs117033948	G	C	-0.332	0.058	0.042	9.21E-09	-0.002	0.006	0.796	0.009	32.984	TRUE	1.33E-08
FVC	LGALS12	cg19529273	rs12280687	G	C	-0.313	0.048	0.062	7.44E-11	0.001	0.005	0.894	0.011	42.378	TRUE	1.09E-10
FVC	LGALS12	cg19529273	rs12366107	C	T	-0.147	0.025	0.356	3.75E-09	0.000	0.003	0.942	0.009	34.728	TRUE	4.96E-09
FVC	LGALS12	cg19529273	rs1307231	T	G	-0.197	0.033	0.147	1.92E-09	0.002	0.003	0.591	0.010	36.038	TRUE	3.33E-09
FVC	LGALS12	cg19529273	rs1404504	T	G	-0.620	0.031	0.395	2.21E-86	0.007	0.002	0.005	0.095	387.831	TRUE	1.77E-80
FVC	LGALS12	cg19529273	rs4034	A	G	0.147	0.025	0.351	4.73E-09	-0.009	0.003	5.36E-04	0.009	34.280	TRUE	4.04E-08
FVC	LGALS3	cg02183170	rs12896938	C	T	-0.159	0.028	0.212	1.06E-08	-0.002	0.003	0.483	0.009	32.704	TRUE	1.97E-08
FVC	LGALS3	cg02183170	rs66782529	T	C	-0.399	0.024	0.329	1.00E-59	0.000	0.003	0.990	0.067	265.512	TRUE	7.94E-58
FVC	LGALS3	cg02183170	rs78059908	T	C	-0.266	0.037	0.116	1.33E-12	0.002	0.004	0.585	0.013	50.264	TRUE	2.80E-12
FVC	LGALS3	cg02183170	rs79860430	G	A	-0.297	0.052	0.050	8.81E-09	0.002	0.005	0.713	0.009	33.069	TRUE	1.35E-08
FVC	LGALS3	cg04306507	rs10782426	A	G	-0.554	0.023	0.487	3.61E-129	0.001	0.002	0.678	0.136	584.358	TRUE	2.35E-121
FVC	LGALS3	cg04306507	rs117044971	A	C	0.657	0.062	0.066	2.86E-26	-0.003	0.005	0.590	0.029	112.379	TRUE	1.52E-25
FVC	LGALS3	cg04306507	rs118105307	T	C	0.503	0.069	0.029	4.07E-13	-0.002	0.007	0.812	0.014	52.582	TRUE	7.13E-13
FVC	LGALS3	cg04306507	rs1187883	T	C	0.911	0.019	0.428	<1E-200	-0.005	0.002	0.041	0.393	2394.409	TRUE	<1E-200
FVC	LGALS3	cg04306507	rs12437135	G	A	0.269	0.047	0.068	1.54E-08	0.004	0.005	0.460	0.009	31.986	TRUE	2.86E-08
FVC	LGALS3	cg04306507	rs17739689	A	T	0.806	0.037	0.105	9.33E-108	0.000	0.004	0.930	0.116	485.985	TRUE	2.42E-102
FVC	LGALS3	cg04306507	rs1959091	G	T	-0.238	0.037	0.110	1.61E-10	-0.005	0.004	0.232	0.011	40.870	TRUE	4.44E-10
FVC	LGALS3	cg04306507	rs2236299	A	G	-0.323	0.025	0.295	4.59E-37	-0.004	0.003	0.097	0.042	161.707	TRUE	2.38E-35
FVC	LGALS3	cg04306507	rs34670213	G	A	0.351	0.029	0.188	3.22E-33	-0.002	0.003	0.445	0.038	144.117	TRUE	3.97E-32
FVC	LGALS3	cg04306507	rs7141976	T	C	-0.188	0.029	0.247	9.10E-11	0.003	0.003	0.373	0.011	41.984	TRUE	2.14E-10
FVC	LGALS3	cg04306507	rs7142872	G	C	0.279	0.050	0.059	1.95E-08	-0.005	0.005	0.352	0.008	31.525	TRUE	4.01E-08
FVC	LGALS3	cg04306507	rs7144510	T	C	-0.401	0.025	0.286	5.95E-56	-0.002	0.003	0.357	0.063	248.216	TRUE	1.17E-53
FVC	LGALS3	cg04306507	rs7148450	C	G	-0.265	0.031	0.168	2.45E-17	0.003	0.003	0.367	0.019	71.709	TRUE	9.24E-17
FVC	LGALS3	cg04306507	rs7160055	C	T	-0.568	0.045	0.140	9.96E-37	0.004	0.003	0.236	0.042	160.167	TRUE	2.81E-35
FVC	LGALS3	cg04306507	rs72715557	T	C	-0.534	0.064	0.035	9.05E-17	0.002	0.006	0.701	0.018	69.129	TRUE	2.17E-16
FVC	LGALS3	cg04306507	rs77878673	T	C	0.605	0.110	0.023	3.82E-08	-0.001	0.008	0.924	0.008	30.222	TRUE	4.88E-08

FVC	LGALS3	cg04306507	rs78699839	A	C	0.644	0.054	0.044	7.07E-33	0.004	0.005	0.480	0.037	142.555	TRUE	7.77E-32
FVC	LGALS3	cg04306507	rs79860430	G	A	0.639	0.051	0.050	1.20E-35	0.002	0.005	0.713	0.040	155.222	TRUE	1.17E-34
FVC	LGALS3	cg04306507	rs8010372	A	G	0.235	0.026	0.296	9.39E-20	-0.005	0.003	0.040	0.022	82.689	TRUE	1.12E-18
FVC	LGALS3	cg04306507	rs8012397	C	A	0.621	0.042	0.093	3.37E-49	-0.008	0.004	0.052	0.055	217.261	TRUE	1.17E-46
FVC	LGALS3	cg04306507	rs8021103	T	G	0.220	0.029	0.209	7.51E-14	-0.001	0.003	0.658	0.015	55.899	TRUE	1.59E-13
FVC	LGALS3	cg04306507	rs945268	G	A	-0.145	0.024	0.470	8.56E-10	-0.002	0.002	0.407	0.010	37.609	TRUE	1.81E-09
FVC	LGALS3	cg09939831	rs35082180	T	G	0.214	0.038	0.111	2.23E-08	-0.009	0.004	0.021	0.008	31.270	TRUE	9.50E-08
FVC	LGALS3	cg14871010	rs2341534	G	C	0.252	0.034	0.291	1.23E-13	0.004	0.003	0.160	0.015	54.926	TRUE	4.94E-13
FVC	LGALS3	cg18273401	rs112424812	A	G	0.303	0.047	0.064	1.15E-10	0.005	0.005	0.360	0.011	41.521	TRUE	2.73E-10
FVC	LGALS3	cg18273401	rs11848576	T	C	0.234	0.037	0.109	3.94E-10	-0.006	0.004	0.130	0.010	39.121	TRUE	1.29E-09
FVC	LGALS3	cg18273401	rs74502136	T	A	0.353	0.048	0.072	1.64E-13	-0.010	0.005	0.041	0.014	54.371	TRUE	1.05E-12
FVC	LGALS3	cg18996663	rs1815580	G	A	-0.142	0.024	0.428	1.84E-09	-0.003	0.002	0.182	0.010	36.118	TRUE	5.09E-09
FVC	LGALS3	cg20008101	rs78811976	A	G	-0.303	0.043	0.089	2.48E-12	-0.010	0.004	0.020	0.013	49.039	TRUE	1.68E-11
FVC	LGALS3	cg20008101	rs946063	T	A	0.152	0.026	0.274	6.09E-09	-0.002	0.003	0.565	0.009	33.788	TRUE	1.06E-08
FVC	LGALS3	cg23575099	rs57571649	T	A	-0.222	0.031	0.166	1.16E-12	-0.001	0.003	0.846	0.013	50.532	TRUE	1.92E-12
FVC	LGALS9	cg06852032	rs11080242	C	G	-0.211	0.028	0.240	2.15E-14	-0.009	0.003	0.002	0.016	58.355	TRUE	3.29E-13
FVC	LIPA	cg09060654	rs111732611	C	T	-0.646	0.116	0.019	2.39E-08	-0.007	0.008	0.413	0.008	31.129	TRUE	4.60E-08
FVC	LIPA	cg09060654	rs12780342	T	C	0.652	0.044	0.150	4.24E-50	-0.003	0.003	0.324	0.056	221.388	TRUE	4.41E-48
FVC	LIPA	cg09060654	rs1412445	T	C	0.181	0.024	0.338	1.64E-13	0.003	0.003	0.239	0.014	54.370	TRUE	5.60E-13
FVC	LIPA	cg09060654	rs150746801	T	G	0.693	0.112	0.018	5.36E-10	-0.009	0.010	0.375	0.010	38.520	TRUE	1.19E-09
FVC	LIPA	cg09060654	rs2031610	C	T	-0.134	0.024	0.357	2.97E-08	-0.002	0.003	0.450	0.008	30.713	TRUE	5.47E-08
FVC	LIPA	cg09060654	rs2266006	A	G	0.155	0.027	0.237	1.01E-08	0.006	0.003	0.035	0.009	32.804	TRUE	3.93E-08
FVC	LIPA	cg09060654	rs2297473	G	T	-0.249	0.025	0.301	1.30E-22	-0.005	0.003	0.052	0.025	95.704	TRUE	1.89E-21
FVC	LIPA	cg09060654	rs304450	G	A	0.169	0.030	0.187	1.55E-08	-0.005	0.003	0.090	0.009	31.971	TRUE	4.85E-08
FVC	LIPA	cg09060654	rs67837568	T	C	0.419	0.075	0.029	2.42E-08	-0.005	0.007	0.493	0.008	31.110	TRUE	4.30E-08
FVC	LIPA	cg09060654	rs9421696	T	A	0.152	0.027	0.249	2.21E-08	0.001	0.003	0.803	0.008	31.281	TRUE	3.13E-08
FVC	LIPA	cg09797463	rs1412444	T	C	-0.163	0.024	0.338	3.04E-11	0.003	0.003	0.246	0.012	44.128	TRUE	8.73E-11
FVC	LIPA	cg09797463	rs2096401	C	T	-0.201	0.025	0.318	7.36E-16	0.002	0.003	0.489	0.017	64.999	TRUE	2.09E-15
FVC	LIPA	cg09797463	rs2801524	A	G	0.150	0.026	0.277	9.66E-09	-0.001	0.003	0.657	0.009	32.890	TRUE	1.56E-08
FVC	LIPA	cg11772224	rs12262734	C	A	0.248	0.045	0.074	4.11E-08	0.000	0.005	0.998	0.008	30.082	TRUE	5.00E-08
FVC	LIPA	cg11772224	rs2250781	C	A	-0.214	0.023	0.475	2.62E-20	-0.002	0.002	0.462	0.023	85.210	TRUE	1.04E-19
FVC	LIPA	cg12529006	rs12247969	C	A	-0.252	0.023	0.476	4.97E-27	-0.002	0.002	0.420	0.030	115.848	TRUE	3.63E-26
FVC	LIPA	cg12529006	rs12262734	C	A	0.730	0.045	0.074	2.22E-58	0.000	0.005	0.998	0.066	259.350	TRUE	1.48E-56
FVC	LIPA	cg12529006	rs3802657	T	G	0.203	0.036	0.108	1.13E-08	-0.005	0.004	0.144	0.009	32.586	TRUE	3.16E-08
FVC	LIPA	cg12555086	rs112517700	A	G	-0.534	0.066	0.036	5.42E-16	-0.005	0.007	0.439	0.017	65.603	TRUE	1.69E-15
FVC	LIPA	cg12555086	rs1412445	T	C	-1.070	0.017	0.338	<1E-200	0.003	0.003	0.239	0.521	4025.671	TRUE	<1E-200
FVC	LIPA	cg12555086	rs144754510	A	G	0.260	0.029	0.201	4.18E-19	0.000	0.003	0.962	0.021	79.740	TRUE	8.54E-19
FVC	LIPA	cg12555086	rs145661527	C	G	-0.673	0.089	0.022	4.48E-14	0.014	0.008	0.099	0.015	56.915	TRUE	2.28E-13
FVC	LIPA	cg12555086	rs188493056	A	C	-0.756	0.091	0.018	1.36E-16	0.008	0.010	0.425	0.018	68.320	TRUE	4.46E-16
FVC	LIPA	cg12555086	rs2266006	A	G	-0.150	0.027	0.237	3.11E-08	0.006	0.003	0.035	0.008	30.621	TRUE	1.15E-07
FVC	LIPA	cg12555086	rs303195	G	T	0.211	0.025	0.339	1.23E-17	0.003	0.003	0.195	0.019	73.063	TRUE	6.64E-17
FVC	LIPA	cg12555086	rs3802657	T	G	-0.362	0.036	0.108	2.75E-24	-0.005	0.004	0.144	0.027	103.336	TRUE	3.08E-23

FVC	LIPA	cg12555086	rs4933503	G	T	-0.335	0.031	0.164	2.06E-26	0.005	0.003	0.117	0.030	113.031	TRUE	3.06E-25
FVC	LIPA	cg12555086	rs4934469	A	G	-0.281	0.029	0.197	2.25E-22	-0.001	0.003	0.809	0.025	94.616	TRUE	6.76E-22
FVC	LIPA	cg12555086	rs6586196	C	T	0.209	0.026	0.278	1.22E-15	0.005	0.003	0.089	0.017	64.003	TRUE	7.61E-15
FVC	LIPA	cg12555086	rs7096524	A	G	0.288	0.027	0.257	7.48E-26	-0.002	0.003	0.385	0.029	110.477	TRUE	5.45E-25
FVC	LIPA	cg12555086	rs7099595	G	T	-0.168	0.024	0.435	1.33E-12	0.003	0.002	0.273	0.013	50.255	TRUE	4.03E-12
FVC	LIPA	cg12555086	rs74946827	G	A	-0.544	0.049	0.055	1.13E-28	-0.002	0.005	0.743	0.032	123.352	TRUE	5.85E-28
FVC	LIPA	cg12555086	rs7912312	G	A	0.155	0.026	0.269	3.61E-09	0.007	0.003	0.010	0.009	34.804	TRUE	2.04E-08
FVC	LIPA	cg13931663	rs1556478	T	C	0.444	0.025	0.301	2.45E-70	-0.005	0.003	0.037	0.078	314.191	TRUE	2.55E-66
FVC	LIPA	cg13931663	rs304498	A	G	0.170	0.029	0.208	4.88E-09	-0.004	0.003	0.156	0.009	34.219	TRUE	1.39E-08
FVC	LIPA	cg15406666	rs2071510	T	G	0.193	0.032	0.389	2.00E-09	-0.005	0.002	0.044	0.010	35.952	TRUE	8.09E-09
FVC	LIPA	cg15406666	rs2250398	A	G	-0.341	0.023	0.475	3.44E-51	-0.002	0.002	0.412	0.058	226.384	TRUE	3.05E-49
FVC	LIPA	cg15406666	rs35472070	A	G	0.214	0.036	0.130	2.02E-09	-0.005	0.004	0.184	0.010	35.932	TRUE	5.58E-09
FVC	LIPA	cg16398628	rs10430644	C	T	0.242	0.032	0.161	3.10E-14	0.004	0.003	0.169	0.015	57.639	TRUE	1.31E-13
FVC	LIPA	cg16398628	rs112517700	A	G	0.448	0.066	0.036	1.06E-11	-0.005	0.007	0.439	0.012	46.194	TRUE	2.47E-11
FVC	LIPA	cg16398628	rs12359459	G	A	0.256	0.042	0.085	6.75E-10	0.001	0.004	0.831	0.010	38.072	TRUE	9.99E-10
FVC	LIPA	cg16398628	rs12415827	A	G	0.303	0.049	0.128	5.20E-10	0.000	0.004	0.957	0.010	38.580	TRUE	7.01E-10
FVC	LIPA	cg16398628	rs144754510	A	G	-0.253	0.029	0.201	3.55E-18	0.000	0.003	0.962	0.020	75.514	TRUE	6.90E-18
FVC	LIPA	cg16398628	rs160052	T	C	0.183	0.026	0.280	1.57E-12	0.003	0.003	0.222	0.013	49.937	TRUE	5.21E-12
FVC	LIPA	cg16398628	rs1937336	T	A	0.183	0.025	0.343	1.67E-13	0.003	0.003	0.300	0.014	54.335	TRUE	5.24E-13
FVC	LIPA	cg16398628	rs2071510	T	G	0.337	0.033	0.389	9.54E-25	-0.005	0.002	0.044	0.028	105.432	TRUE	1.86E-23
FVC	LIPA	cg16398628	rs2246949	C	T	-1.006	0.017	0.475	<1E-200	-0.002	0.002	0.420	0.495	3622.303	TRUE	<1E-200
FVC	LIPA	cg16398628	rs303197	T	C	-0.155	0.025	0.339	3.48E-10	0.004	0.003	0.150	0.011	39.363	TRUE	1.09E-09
FVC	LIPA	cg16398628	rs3802657	T	G	0.250	0.036	0.108	2.19E-12	-0.005	0.004	0.144	0.013	49.275	TRUE	8.48E-12
FVC	LIPA	cg16398628	rs41284138	C	T	-0.392	0.067	0.034	4.65E-09	-0.012	0.007	0.072	0.009	34.313	TRUE	1.62E-08
FVC	LIPA	cg16398628	rs4934469	A	G	0.287	0.029	0.197	1.97E-23	-0.001	0.003	0.809	0.026	99.443	TRUE	6.33E-23
FVC	LIPA	cg16398628	rs61853098	A	G	0.499	0.036	0.130	7.88E-44	-0.005	0.004	0.196	0.050	192.671	TRUE	5.59E-42
FVC	LIPA	cg16398628	rs7096524	A	G	-0.297	0.027	0.257	1.14E-27	-0.002	0.003	0.385	0.031	118.766	TRUE	9.73E-27
FVC	LIPA	cg16398628	rs74946827	G	A	0.320	0.049	0.055	7.74E-11	-0.002	0.005	0.743	0.011	42.300	TRUE	1.29E-10
FVC	LIPA	cg16398628	rs928415	A	G	0.514	0.037	0.111	2.37E-43	-0.001	0.004	0.793	0.049	190.481	TRUE	4.24E-42
FVC	LIPA	cg17741809	rs10887909	G	A	-0.177	0.030	0.174	5.63E-09	0.003	0.003	0.320	0.009	33.939	TRUE	1.24E-08
FVC	LIPA	cg17741809	rs12415827	A	G	0.821	0.047	0.128	6.27E-68	0.000	0.004	0.957	0.076	303.143	TRUE	1.61E-65
FVC	LIPA	cg17741809	rs138097828	A	G	0.481	0.074	0.023	7.75E-11	0.005	0.007	0.509	0.011	42.297	TRUE	1.58E-10
FVC	LIPA	cg17741809	rs1412445	T	C	0.206	0.024	0.338	3.97E-17	0.003	0.003	0.239	0.019	70.753	TRUE	1.81E-16
FVC	LIPA	cg17741809	rs2297473	G	T	-0.258	0.025	0.301	3.66E-24	-0.005	0.003	0.052	0.027	102.768	TRUE	6.24E-23
FVC	LIPA	cg17741809	rs304450	G	A	0.183	0.030	0.187	9.59E-10	-0.005	0.003	0.090	0.010	37.386	TRUE	3.37E-09
FVC	LIPA	cg17741809	rs67837568	T	C	0.498	0.075	0.029	3.30E-11	-0.005	0.007	0.493	0.012	43.965	TRUE	7.00E-11
FVC	LIPA	cg17741809	rs7901656	C	T	-0.143	0.025	0.333	7.11E-09	-0.004	0.003	0.095	0.009	33.486	TRUE	2.27E-08
FVC	LIPA	cg17741809	rs9421696	T	A	0.184	0.027	0.249	1.17E-11	0.001	0.003	0.803	0.012	45.992	TRUE	1.93E-11
FVC	LIPA	cg20483560	rs12262734	C	A	0.427	0.045	0.074	2.34E-21	0.000	0.005	0.998	0.024	89.989	TRUE	5.27E-21
FVC	LIPA	cg20483560	rs12359459	G	A	0.242	0.041	0.085	3.68E-09	0.001	0.004	0.831	0.009	34.766	TRUE	5.28E-09
FVC	LIPA	cg20483560	rs144754510	A	G	-0.207	0.029	0.201	7.78E-13	0.000	0.003	0.962	0.014	51.308	TRUE	1.16E-12
FVC	LIPA	cg20483560	rs1937336	T	A	0.142	0.025	0.343	7.43E-09	0.003	0.003	0.300	0.009	33.401	TRUE	1.66E-08

FVC	LIPA	cg20483560	rs2071510	T	G	0.278	0.032	0.389	2.76E-18	-0.005	0.002	0.044	0.020	76.010	TRUE	2.76E-17
FVC	LIPA	cg20483560	rs2250398	A	G	-0.671	0.020	0.475	1.78E-237	-0.002	0.002	0.412	0.226	1082.247	TRUE	2.28E-214
FVC	LIPA	cg20483560	rs2902563	C	T	0.269	0.037	0.108	4.23E-13	-0.001	0.004	0.783	0.014	52.504	TRUE	7.52E-13
FVC	LIPA	cg20483560	rs4934469	A	G	0.190	0.028	0.197	2.78E-11	-0.001	0.003	0.809	0.012	44.301	TRUE	4.45E-11
FVC	LIPA	cg20483560	rs7096524	A	G	-0.175	0.027	0.257	9.92E-11	-0.002	0.003	0.385	0.011	41.814	TRUE	2.32E-10
FVC	LIPA	cg20592345	rs1332329	C	A	0.375	0.024	0.345	1.12E-54	0.003	0.003	0.302	0.061	242.364	TRUE	2.22E-52
FVC	LIPA	cg20592345	rs7901936	T	C	0.510	0.073	0.031	2.25E-12	-0.006	0.007	0.386	0.013	49.226	TRUE	5.76E-12
FVC	LOC100132724	cg19949776	rs11632323	T	A	0.495	0.031	0.175	2.80E-59	-0.001	0.003	0.774	0.066	263.468	TRUE	3.27E-57
FVC	LOC100132724	cg19949776	rs118136423	T	C	0.624	0.065	0.042	6.68E-22	-0.016	0.006	0.006	0.024	92.466	TRUE	1.88E-20
FVC	LOC100132724	cg19949776	rs11857513	A	G	-0.445	0.071	0.026	3.36E-10	-0.004	0.007	0.614	0.011	39.435	TRUE	6.00E-10
FVC	LOC100132724	cg19949776	rs12905736	A	G	-0.170	0.026	0.271	6.62E-11	0.005	0.003	0.050	0.011	42.604	TRUE	3.05E-10
FVC	LOC100132724	cg19949776	rs146676154	C	T	-0.558	0.068	0.029	1.62E-16	0.006	0.007	0.339	0.018	67.982	TRUE	5.97E-16
FVC	LOC100132724	cg19949776	rs149451788	C	T	0.571	0.057	0.045	1.29E-23	-0.005	0.006	0.381	0.026	100.282	TRUE	7.62E-23
FVC	LOC100132724	cg19949776	rs150018499	A	T	0.600	0.096	0.015	4.73E-10	-0.001	0.010	0.942	0.010	38.764	TRUE	6.44E-10
FVC	LOC100132724	cg19949776	rs150420855	A	G	-0.594	0.099	0.015	2.11E-09	0.028	0.010	0.005	0.010	35.852	TRUE	1.33E-08
FVC	LOC100132724	cg19949776	rs16964178	C	G	-0.554	0.029	0.192	5.52E-82	0.006	0.003	0.048	0.090	367.645	TRUE	3.69E-77
FVC	LOC100132724	cg19949776	rs17599663	C	G	-0.623	0.065	0.030	5.06E-22	0.013	0.006	0.039	0.025	93.015	TRUE	7.97E-21
FVC	LOC100132724	cg19949776	rs17600375	T	C	0.673	0.031	0.162	3.91E-107	-0.017	0.003	3.43E-08	0.116	483.129	TRUE	6.32E-97
FVC	LOC100132724	cg19949776	rs17601241	A	G	0.463	0.040	0.089	9.66E-31	0.000	0.004	0.965	0.035	132.796	TRUE	4.32E-30
FVC	LOC100132724	cg19949776	rs2124872	A	G	-0.176	0.030	0.184	4.12E-09	0.010	0.003	0.001	0.009	34.547	TRUE	3.23E-08
FVC	LOC100132724	cg19949776	rs2445750	T	C	-0.249	0.026	0.298	7.69E-22	0.006	0.003	0.024	0.024	92.186	TRUE	1.36E-20
FVC	LOC100132724	cg19949776	rs34917130	C	T	0.283	0.036	0.124	3.62E-15	-0.002	0.004	0.578	0.016	61.861	TRUE	8.96E-15
FVC	LOC100132724	cg19949776	rs3751591	G	A	0.240	0.044	0.156	4.22E-08	0.002	0.003	0.598	0.008	30.031	TRUE	6.88E-08
FVC	LOC100132724	cg19949776	rs55946545	C	T	0.411	0.050	0.060	3.44E-16	-0.003	0.005	0.570	0.018	66.500	TRUE	9.08E-16
FVC	LOC100132724	cg19949776	rs60695341	T	C	-0.640	0.027	0.204	5.32E-120	0.001	0.003	0.723	0.128	542.234	TRUE	3.37E-113
FVC	LOC100132724	cg19949776	rs71471588	T	C	-0.780	0.134	0.020	6.26E-09	0.013	0.009	0.152	0.009	33.735	TRUE	1.76E-08
FVC	LOC100132724	cg19949776	rs72727118	T	A	-0.743	0.075	0.024	7.12E-23	-0.003	0.007	0.647	0.026	96.895	TRUE	2.69E-22
FVC	LOC100132724	cg19949776	rs72727133	T	C	0.611	0.036	0.112	4.09E-63	-0.001	0.004	0.699	0.071	281.060	TRUE	9.25E-61
FVC	LOC100132724	cg19949776	rs72729238	C	T	-0.775	0.132	0.020	4.21E-09	0.007	0.007	0.296	0.009	34.507	TRUE	9.60E-09
FVC	LOC100132724	cg19949776	rs74446953	G	A	-0.174	0.029	0.193	2.19E-09	0.001	0.003	0.770	0.010	35.779	TRUE	3.27E-09
FVC	LOC100132724	cg19949776	rs74804171	T	C	0.426	0.070	0.027	1.40E-09	-0.004	0.007	0.620	0.010	36.654	TRUE	2.39E-09
FVC	LOC100132724	cg19949776	rs76181975	G	A	0.591	0.057	0.049	1.32E-25	0.011	0.006	0.048	0.029	109.358	TRUE	2.76E-24
FVC	LOC100132724	cg19949776	rs76264726	A	G	-0.386	0.064	0.031	1.98E-09	-0.008	0.006	0.226	0.010	35.972	TRUE	5.08E-09
FVC	LOC100132724	cg19949776	rs78196407	G	T	-0.580	0.052	0.058	1.21E-28	0.005	0.005	0.357	0.032	123.214	TRUE	1.17E-27
FVC	LOC100132724	cg19949776	rs78376852	G	A	0.305	0.032	0.148	2.23E-21	-0.010	0.003	0.002	0.024	90.085	TRUE	8.28E-20
FVC	LOC100132724	cg19949776	rs78983779	T	A	-0.433	0.053	0.052	2.76E-16	0.000	0.005	0.956	0.018	66.934	TRUE	4.94E-16
FVC	LOC100132724	cg19949776	rs79260774	T	A	0.324	0.058	0.038	2.26E-08	-0.018	0.006	0.001	0.008	31.239	TRUE	1.53E-07
FVC	LOC100132724	cg19949776	rs79469565	T	C	-0.368	0.050	0.105	2.29E-13	0.001	0.004	0.860	0.014	53.707	TRUE	3.89E-13
FVC	LOC100132724	cg19949776	rs8025206	C	T	-0.436	0.024	0.386	1.21E-76	0.009	0.008	0.298	0.085	343.136	TRUE	6.30E-73
FVC	LOC100132724	cg19949776	rs8027182	T	C	-0.895	0.018	0.457	<1E-200	0.005	0.002	0.043	0.393	2395.089	TRUE	<1E-200
FVC	LOC100132724	cg19949776	rs854160	T	C	0.166	0.024	0.428	4.62E-12	-0.001	0.002	0.636	0.013	47.816	TRUE	8.88E-12
FVC	LOC100132724	cg19949776	rs882299	G	A	-0.682	0.050	0.059	3.62E-43	0.009	0.005	0.085	0.049	189.641	TRUE	4.29E-41

FVC	LOC100132724	cg19949776	rs9972359	C	T	-0.343	0.024	0.417	1.97E-47	0.006	0.002	0.009	0.054	209.172	TRUE	1.19E-44
FVC	LOC729603	cg16582986	rs3798180	G	A	0.194	0.026	0.382	1.45E-13	-0.001	0.002	0.738	0.015	54.611	TRUE	2.77E-13
FVC	LTA	cg14910524	rs561747487	A	G	-1.247	0.165	0.011	3.67E-14	-0.021	0.013	0.111	0.015	57.305	TRUE	1.81E-13
FVC	LYN	cg02410887	rs12155650	T	C	0.274	0.038	0.127	8.66E-13	-0.003	0.003	0.456	0.014	51.099	TRUE	2.14E-12
FVC	LYN	cg02410887	rs7828483	C	G	0.352	0.030	0.231	1.27E-31	-0.009	0.003	0.002	0.036	136.827	TRUE	1.76E-29
FVC	LYN	cg02508743	rs118002299	T	C	-0.629	0.094	0.018	2.45E-11	0.019	0.009	0.028	0.012	44.550	TRUE	1.38E-10
FVC	LYN	cg02508743	rs16922425	C	T	-0.172	0.026	0.491	1.78E-11	0.000	0.002	0.881	0.012	45.177	TRUE	2.74E-11
FVC	LYN	cg02508743	rs28595219	T	C	-0.193	0.029	0.252	1.77E-11	0.000	0.003	0.918	0.012	45.183	TRUE	2.63E-11
FVC	LYN	cg02508743	rs9650314	A	G	-0.611	0.032	0.183	1.54E-83	-0.009	0.003	0.002	0.092	374.776	TRUE	1.28E-77
FVC	LYN	cg03973663	rs2667976	A	C	0.301	0.030	0.229	1.86E-23	-0.009	0.003	0.002	0.026	99.548	TRUE	8.62E-22
FVC	LYN	cg03973663	rs556194714	C	T	0.375	0.066	0.038	1.70E-08	-0.004	0.006	0.496	0.009	31.793	TRUE	3.05E-08
FVC	LYN	cg04132540	rs77035567	T	C	-0.443	0.061	0.045	6.08E-13	-0.003	0.006	0.619	0.014	51.791	TRUE	1.26E-12
FVC	LYN	cg05997362	rs2667971	C	T	0.251	0.030	0.231	9.66E-17	-0.009	0.003	0.002	0.018	69.001	TRUE	1.95E-15
FVC	LYN	cg06818377	rs13249338	A	G	-0.147	0.026	0.406	1.39E-08	0.001	0.002	0.805	0.009	32.181	TRUE	1.98E-08
FVC	LYN	cg06818377	rs1470708	G	A	-0.159	0.026	0.387	9.71E-10	-0.001	0.003	0.734	0.010	37.361	TRUE	1.52E-09
FVC	LYN	cg06818377	rs72651454	G	A	0.509	0.033	0.166	3.90E-53	0.000	0.003	0.899	0.060	235.306	TRUE	1.68E-51
FVC	LYN	cg06818377	rs72653977	G	A	0.423	0.065	0.039	1.03E-10	-0.006	0.006	0.311	0.011	41.744	TRUE	2.60E-10
FVC	LYN	cg06880721	rs13262073	C	G	0.270	0.027	0.330	2.29E-23	0.001	0.003	0.721	0.026	99.144	TRUE	8.10E-23
FVC	LYN	cg06880721	rs139862376	G	C	0.330	0.056	0.055	4.03E-09	0.000	0.005	0.937	0.009	34.591	TRUE	5.31E-09
FVC	LYN	cg06880721	rs6994646	C	T	-0.265	0.045	0.086	3.65E-09	-0.002	0.004	0.587	0.009	34.782	TRUE	6.28E-09
FVC	LYN	cg06880721	rs72651467	G	T	0.201	0.035	0.158	7.82E-09	-0.001	0.003	0.776	0.009	33.301	TRUE	1.14E-08
FVC	LYN	cg08894788	rs12679916	T	C	-0.212	0.025	0.412	9.32E-17	0.000	0.002	0.962	0.018	69.072	TRUE	1.69E-16
FVC	LYN	cg08894788	rs2271400	C	T	0.395	0.027	0.336	8.72E-50	0.004	0.003	0.099	0.056	219.953	TRUE	2.25E-47
FVC	LYN	cg11982546	rs7829003	G	C	0.248	0.033	0.176	6.65E-14	-0.006	0.003	0.060	0.015	56.138	TRUE	3.97E-13
FVC	LYN	cg17806401	rs113732653	C	A	0.398	0.064	0.042	3.52E-10	-0.003	0.006	0.592	0.011	39.341	TRUE	6.41E-10
FVC	LYN	cg17806401	rs17812677	A	T	0.264	0.030	0.225	2.88E-18	-0.009	0.003	0.002	0.020	75.928	TRUE	6.87E-17
FVC	LYN	cg21301224	rs17812677	A	T	0.188	0.030	0.225	6.75E-10	-0.009	0.003	0.002	0.010	38.070	TRUE	5.33E-09
FVC	LYN	cg24856456	rs9693980	A	G	-0.169	0.030	0.250	1.23E-08	-0.010	0.003	2.20E-04	0.009	32.420	TRUE	1.13E-07
FVC	LYN	cg27004182	rs1546519	G	A	0.162	0.028	0.277	8.12E-09	0.000	0.003	0.941	0.009	33.229	TRUE	1.06E-08
FVC	MADD	cg07637188	rs118134583	C	T	-1.262	0.074	0.027	2.21E-64	0.002	0.008	0.771	0.072	286.875	TRUE	5.12E-62
FVC	MADD	cg07637188	rs4315028	C	A	-0.203	0.028	0.247	5.53E-13	0.009	0.003	7.92E-04	0.014	51.977	TRUE	7.87E-12
FVC	MADD	cg17580616	rs113383278	C	G	-0.352	0.062	0.044	1.31E-08	0.016	0.006	0.009	0.009	32.295	TRUE	6.75E-08
FVC	MADD	cg17580616	rs113954134	A	G	-0.369	0.066	0.033	1.86E-08	0.014	0.007	0.038	0.008	31.617	TRUE	7.00E-08
FVC	MADD	cg17580616	rs2856650	A	G	0.229	0.025	0.303	1.82E-19	-0.006	0.003	0.017	0.022	81.377	TRUE	2.75E-18
FVC	MADD	cg17580616	rs326218	T	A	-0.345	0.044	0.075	8.00E-15	0.005	0.005	0.296	0.016	60.304	TRUE	2.78E-14
FVC	MADD	cg17580616	rs74757308	C	A	-0.452	0.080	0.025	1.96E-08	-0.013	0.008	0.099	0.008	31.517	TRUE	5.88E-08
FVC	MADD	cg17580616	rs753993	A	C	-0.498	0.028	0.215	2.91E-69	0.008	0.003	0.007	0.077	309.258	TRUE	7.19E-65
FVC	MADD	cg17580616	rs7934659	T	C	-0.158	0.026	0.285	2.55E-09	-0.003	0.003	0.315	0.010	35.478	TRUE	5.78E-09
FVC	MADD	cg19501536	rs10838687	G	T	-0.477	0.028	0.215	3.00E-66	0.008	0.003	0.008	0.074	295.434	TRUE	4.17E-62
FVC	MADD	cg19501536	rs113383278	C	G	-0.400	0.061	0.044	6.54E-11	0.016	0.006	0.009	0.011	42.630	TRUE	4.49E-10
FVC	MADD	cg19501536	rs113954134	A	G	-0.477	0.064	0.033	1.30E-13	0.014	0.007	0.038	0.015	54.829	TRUE	8.40E-13
FVC	MADD	cg19501536	rs2856650	A	G	0.147	0.025	0.303	4.37E-09	-0.006	0.003	0.017	0.009	34.432	TRUE	2.06E-08

FVC	MADD	cg19501536	rs544766788	T	G	0.170	0.026	0.275	3.94E-11	-0.004	0.003	0.162	0.012	43.619	TRUE	1.29E-10
FVC	MADD	cg23844623	rs4752978	A	G	0.423	0.030	0.185	1.62E-44	0.009	0.003	0.002	0.050	195.822	TRUE	1.35E-41
FVC	MADD	cg23844623	rs77082299	A	G	0.423	0.072	0.031	3.86E-09	-0.008	0.008	0.289	0.009	34.677	TRUE	8.94E-09
FVC	MADD	cg25783544	rs7120957	G	A	0.303	0.024	0.325	2.60E-35	0.006	0.003	0.010	0.040	153.689	TRUE	3.16E-33
FVC	MADD	cg26365553	rs77532017	T	C	0.331	0.032	0.165	8.70E-25	0.010	0.021	0.631	0.028	105.615	TRUE	3.89E-24
FVC	MAMSTR	cg10404009	rs629504	C	G	0.233	0.024	0.389	2.79E-22	-0.003	0.002	0.157	0.025	94.191	TRUE	2.46E-21
FVC	MAMSTR	cg18886062	rs2287921	T	C	0.171	0.023	0.460	2.71E-13	-0.005	0.002	0.027	0.014	53.377	TRUE	1.95E-12
FVC	MAP1LC3A	cg01901788	rs17310782	T	C	0.220	0.025	0.294	3.68E-18	0.012	0.003	5.94E-06	0.020	75.446	TRUE	2.94E-16
FVC	MAP1LC3A	cg01901788	rs2889785	C	T	0.144	0.025	0.359	4.02E-09	-0.006	0.002	0.012	0.009	34.597	TRUE	2.12E-08
FVC	MAP1LC3A	cg01901788	rs3213180	C	G	0.387	0.037	0.096	1.73E-25	0.010	0.004	0.007	0.029	108.809	TRUE	7.14E-24
FVC	MAP1LC3A	cg01901788	rs6058091	T	C	0.702	0.029	0.167	1.74E-128	0.013	0.003	1.85E-05	0.136	581.213	TRUE	4.41E-117
FVC	MAP1LC3A	cg01901788	rs6088372	T	C	0.389	0.032	0.137	4.44E-34	0.012	0.003	2.57E-04	0.038	148.049	TRUE	1.65E-31
FVC	MAP1LC3A	cg01901788	rs6088774	A	T	-0.200	0.031	0.179	7.55E-11	-0.018	0.003	1.61E-09	0.011	42.348	TRUE	3.93E-09
FVC	MAP1LC3A	cg01901788	rs7271970	G	A	0.359	0.023	0.499	2.20E-53	0.013	0.002	1.41E-08	0.060	236.440	TRUE	2.97E-48
FVC	MAP1LC3A	cg01901788	rs74557169	A	G	0.555	0.073	0.030	3.09E-14	-0.004	0.007	0.616	0.015	57.643	TRUE	6.93E-14
FVC	MAP1LC3A	cg01901788	rs79189763	T	C	-0.627	0.092	0.018	7.45E-12	-0.020	0.009	0.033	0.013	46.880	TRUE	4.21E-11
FVC	MAP2K5	cg01362115	rs12593640	C	G	0.551	0.039	0.091	1.58E-44	0.009	0.004	0.029	0.050	195.863	TRUE	3.83E-42
FVC	MAP2K5	cg01362115	rs140450540	A	G	0.580	0.092	0.016	2.50E-10	0.009	0.010	0.326	0.011	40.008	TRUE	6.01E-10
FVC	MAP2K5	cg08079166	rs4489954	T	G	0.186	0.025	0.296	2.79E-13	-0.002	0.003	0.545	0.014	53.324	TRUE	6.34E-13
FVC	MAP2K5	cg17973661	rs142124398	A	T	-0.733	0.090	0.018	2.66E-16	0.001	0.009	0.897	0.018	67.007	TRUE	5.03E-16
FVC	MAP2K5	cg17973661	rs4514627	C	A	0.317	0.040	0.090	2.21E-15	0.009	0.004	0.029	0.017	62.839	TRUE	1.83E-14
FVC	MAP2K5	cg17973661	rs8030456	T	C	-0.168	0.029	0.225	5.09E-09	-0.006	0.003	0.039	0.009	34.136	TRUE	2.05E-08
FVC	MAP2K5	cg19393677	rs2583585	G	A	-0.493	0.041	0.084	8.96E-34	0.006	0.004	0.151	0.038	146.658	TRUE	2.44E-32
FVC	MAP2K5	cg19393677	rs745212	A	G	-0.202	0.025	0.332	3.03E-16	0.000	0.003	0.950	0.018	66.745	TRUE	5.53E-16
FVC	MAP2K5	cg20055861	rs6494694	A	C	0.245	0.025	0.314	2.22E-22	-0.001	0.003	0.676	0.025	94.643	TRUE	7.73E-22
FVC	MAP2K5	cg20055861	rs73427943	T	C	-0.232	0.035	0.128	4.81E-11	-0.008	0.003	0.021	0.012	43.228	TRUE	2.81E-10
FVC	MAP2K5	cg24247231	rs138176505	G	A	0.654	0.077	0.021	1.96E-17	0.002	0.008	0.770	0.019	72.146	TRUE	4.51E-17
FVC	MAP2K5	cg24247231	rs16951489	A	C	0.527	0.079	0.025	2.34E-11	-0.007	0.008	0.333	0.012	44.643	TRUE	6.01E-11
FVC	MAP2K5	cg24247231	rs17300363	C	A	-0.239	0.040	0.087	2.27E-09	-0.002	0.004	0.675	0.010	35.704	TRUE	3.68E-09
FVC	MAP2K5	cg24247231	rs184812791	T	A	1.293	0.162	0.011	1.70E-15	-0.002	0.011	0.876	0.017	63.350	TRUE	3.17E-15
FVC	MAP2K5	cg24247231	rs3743353	C	T	1.338	0.035	0.083	<1E-200	0.006	0.004	0.160	0.284	1469.442	TRUE	1.27E-281
FVC	MAP2K5	cg24247231	rs4777011	C	G	-0.144	0.024	0.391	3.86E-09	-0.012	0.002	1.31E-06	0.009	34.674	TRUE	7.09E-08
FVC	MAP2K5	cg24247231	rs62016776	G	A	0.398	0.029	0.202	4.38E-44	-0.001	0.003	0.816	0.050	193.840	TRUE	8.20E-43
FVC	MAP2K5	cg25642180	rs201788262	A	G	-0.365	0.063	0.036	5.75E-09	-0.015	0.006	0.018	0.009	33.898	TRUE	2.72E-08
FVC	MAP2K5	cg27219399	rs11504677	A	G	0.514	0.072	0.028	8.62E-13	-0.017	0.007	0.019	0.014	51.107	TRUE	6.33E-12
FVC	MAP2K5	cg27219399	rs12898654	G	C	-0.226	0.028	0.201	1.11E-15	0.005	0.003	0.112	0.017	64.193	TRUE	6.05E-15
FVC	MAP2K5	cg27219399	rs12902812	A	G	0.691	0.026	0.260	1.93E-154	-0.012	0.003	5.96E-06	0.159	700.491	TRUE	1.46E-139
FVC	MAP2K5	cg27219399	rs138206068	T	G	0.466	0.074	0.029	3.79E-10	-0.007	0.007	0.352	0.010	39.198	TRUE	8.71E-10
FVC	MAP2K5	cg27219399	rs1470002	A	G	0.192	0.024	0.394	2.71E-15	-0.012	0.002	2.39E-07	0.017	62.432	TRUE	2.02E-13
FVC	MAP2K5	cg27219399	rs17228212	C	T	-0.146	0.026	0.300	1.42E-08	-0.002	0.003	0.543	0.009	32.143	TRUE	2.45E-08
FVC	MAP2K5	cg27219399	rs338348	A	C	0.189	0.024	0.417	3.89E-15	-0.008	0.002	8.20E-04	0.016	61.722	TRUE	7.29E-14
FVC	MAP2K5	cg27219399	rs4776367	G	A	-0.308	0.029	0.204	4.23E-27	-0.001	0.003	0.672	0.030	116.170	TRUE	2.14E-26

FVC	MAP2K5	cg27219399	rs74923405	T	C	0.446	0.057	0.042	5.40E-15	-0.010	0.006	0.093	0.016	61.078	TRUE	3.06E-14
FVC	MAP2K5	cg27219399	rs7498094	C	T	0.132	0.023	0.458	2.06E-08	-0.009	0.002	1.65E-04	0.008	31.423	TRUE	1.94E-07
FVC	MAP2K5	cg27219399	rs75379618	T	C	0.551	0.087	0.036	2.96E-10	-0.019	0.006	0.002	0.011	39.679	TRUE	2.42E-09
FVC	MAP2K5	cg27219399	rs8037951	A	C	-0.170	0.027	0.251	2.30E-10	-0.004	0.003	0.159	0.011	40.175	TRUE	7.16E-10
FVC	MAP3K5	cg01792203	rs9389406	T	C	0.241	0.038	0.134	3.46E-10	-0.011	0.004	0.001	0.011	39.376	TRUE	3.17E-09
FVC	MAP3K5	cg02673417	rs932589	T	C	0.159	0.026	0.422	5.65E-10	-0.006	0.002	0.013	0.010	38.418	TRUE	3.24E-09
FVC	MAP3K5	cg04355227	rs6933827	G	A	1.141	0.097	0.035	8.33E-32	-0.002	0.007	0.758	0.036	137.659	TRUE	5.41E-31
FVC	MAP3K5	cg07868909	rs141318377	T	C	-0.432	0.073	0.033	3.24E-09	0.004	0.007	0.606	0.009	35.012	TRUE	5.52E-09
FVC	MAP3K5	cg07868909	rs17654215	C	T	-0.505	0.069	0.079	2.89E-13	-0.007	0.004	0.098	0.014	53.255	TRUE	1.37E-12
FVC	MAP3K5	cg07868909	rs17710825	G	A	0.330	0.039	0.122	1.08E-17	-0.003	0.004	0.430	0.019	73.317	TRUE	3.84E-17
FVC	MAP3K5	cg07868909	rs2327766	G	A	0.462	0.054	0.133	7.95E-18	0.005	0.003	0.123	0.020	73.927	TRUE	5.29E-17
FVC	MAP3K5	cg07868909	rs3765259	T	C	-0.299	0.038	0.478	1.73E-15	-0.001	0.002	0.688	0.017	63.320	TRUE	3.80E-15
FVC	MAP3K5	cg07868909	rs3903660	C	T	-0.713	0.022	0.399	8.28E-225	-0.005	0.002	0.060	0.217	1023.997	TRUE	2.26E-202
FVC	MAP3K5	cg07868909	rs56167634	G	A	0.421	0.073	0.070	7.90E-09	0.008	0.005	0.082	0.009	33.281	TRUE	2.58E-08
FVC	MAP3K5	cg07868909	rs72979569	T	A	-0.588	0.079	0.059	7.10E-14	-0.001	0.005	0.876	0.015	56.010	TRUE	1.22E-13
FVC	MAP3K5	cg07868909	rs9389421	C	A	-0.218	0.037	0.450	3.48E-09	-0.002	0.002	0.398	0.009	34.876	TRUE	7.09E-09
FVC	MAP3K5	cg09732335	rs17710825	G	A	-0.250	0.039	0.122	1.06E-10	-0.003	0.004	0.430	0.011	41.691	TRUE	2.33E-10
FVC	MAP3K5	cg09732335	rs2237271	C	A	0.751	0.034	0.169	1.67E-108	0.002	0.003	0.511	0.117	489.420	TRUE	1.67E-102
FVC	MAP3K5	cg09732335	rs6912539	A	G	0.268	0.026	0.401	3.75E-25	-0.004	0.002	0.100	0.028	107.280	TRUE	5.53E-24
FVC	MAP3K5	cg10599345	rs141914751	G	A	-0.543	0.073	0.033	1.05E-13	0.005	0.007	0.451	0.015	55.245	TRUE	2.73E-13
FVC	MAP3K5	cg10599345	rs17654215	C	T	-0.587	0.069	0.079	1.81E-17	-0.007	0.004	0.098	0.019	72.300	TRUE	1.27E-16
FVC	MAP3K5	cg10599345	rs17710825	G	A	0.352	0.039	0.122	6.91E-20	-0.003	0.004	0.430	0.022	83.295	TRUE	2.88E-19
FVC	MAP3K5	cg10599345	rs3734552	A	G	-0.822	0.022	0.401	<1E-200	-0.004	0.002	0.071	0.279	1431.658	TRUE	1.74E-274
FVC	MAP3K5	cg10599345	rs3765259	T	C	-0.257	0.038	0.478	8.67E-12	-0.001	0.002	0.688	0.012	46.584	TRUE	1.55E-11
FVC	MAP3K5	cg10599345	rs56231994	G	C	0.331	0.046	0.074	9.50E-13	0.000	0.004	0.981	0.014	50.917	TRUE	1.41E-12
FVC	MAP3K5	cg10599345	rs62420741	T	C	0.284	0.025	0.494	1.18E-29	0.002	0.002	0.444	0.033	127.826	TRUE	1.04E-28
FVC	MAP3K5	cg10599345	rs72979569	T	A	-0.562	0.079	0.059	8.62E-13	-0.001	0.005	0.876	0.014	51.108	TRUE	1.40E-12
FVC	MAP3K5	cg15804973	rs13220892	G	C	0.273	0.039	0.118	4.07E-12	-0.002	0.004	0.504	0.013	48.062	TRUE	9.02E-12
FVC	MAP3K5	cg15804973	rs62420741	T	C	0.150	0.025	0.494	3.29E-09	0.002	0.002	0.444	0.009	34.985	TRUE	6.40E-09
FVC	MAP3K5	cg15804973	rs9402845	A	G	-0.476	0.025	0.398	5.25E-79	-0.005	0.003	0.068	0.087	353.973	TRUE	1.64E-74
FVC	MAP3K5	cg16581840	rs9321570	G	C	-0.143	0.026	0.401	3.68E-08	-0.005	0.002	0.037	0.008	30.292	TRUE	1.39E-07
FVC	MAP3K5	cg21506299	rs1022690	T	C	0.298	0.025	0.430	7.76E-32	-0.005	0.002	0.023	0.036	137.800	TRUE	4.34E-30
FVC	MAP3K5	cg21506299	rs7765827	T	C	0.142	0.026	0.429	3.97E-08	-0.001	0.002	0.696	0.008	30.145	TRUE	5.92E-08
FVC	MAP3K5	cg24451117	rs4524621	G	C	0.280	0.026	0.399	3.52E-27	-0.004	0.002	0.090	0.031	116.532	TRUE	6.64E-26
FVC	MAP3K5	cg24999105	rs932589	T	C	0.445	0.025	0.422	7.38E-71	-0.006	0.002	0.013	0.079	316.584	TRUE	1.69E-66
FVC	MAP3K5	cg24999105	rs9385778	T	C	0.194	0.026	0.429	7.18E-14	-0.001	0.002	0.614	0.015	55.987	TRUE	1.58E-13
FVC	MAZ	cg27338089	rs1057452	A	G	0.248	0.033	0.143	2.55E-14	-0.009	0.003	0.006	0.015	58.025	TRUE	2.92E-13
FVC	MBD6	cg09687907	rs7964074	C	T	0.213	0.035	0.139	1.02E-09	0.006	0.003	0.103	0.010	37.259	TRUE	3.48E-09
FVC	MBD6	cg14315430	rs1148554	T	C	0.263	0.035	0.137	7.03E-14	0.006	0.003	0.097	0.015	56.031	TRUE	3.57E-13
FVC	MBD6	cg19520710	rs1148554	T	C	0.234	0.035	0.137	2.78E-11	0.006	0.003	0.097	0.012	44.302	TRUE	1.11E-10
FVC	MCL1	cg02961109	rs4970935	C	T	0.174	0.027	0.257	1.51E-10	0.013	0.003	1.74E-06	0.011	40.999	TRUE	3.55E-09
FVC	MCL1	cg02961109	rs4971020	T	C	0.149	0.024	0.363	7.91E-10	0.006	0.003	0.018	0.010	37.762	TRUE	4.01E-09

FVC	MCL1	cg02961109	rs6587756	A	T	0.214	0.025	0.340	3.51E-18	0.024	0.003	9.97E-23	0.020	75.537	TRUE	1.42E-14
FVC	MCL1	cg13175981	rs10305667	T	C	-0.393	0.027	0.236	2.03E-48	0.012	0.003	1.66E-05	0.055	213.694	TRUE	1.43E-44
FVC	MCL1	cg13175981	rs114221421	A	G	0.408	0.071	0.027	9.23E-09	-0.008	0.007	0.307	0.009	32.979	TRUE	2.04E-08
FVC	MCL1	cg13175981	rs12135409	T	C	0.198	0.029	0.209	8.03E-12	-0.009	0.003	0.004	0.012	46.732	TRUE	7.56E-11
FVC	MCL1	cg13175981	rs12731738	T	C	0.309	0.028	0.219	3.51E-28	-0.015	0.003	2.36E-07	0.032	121.101	TRUE	2.72E-25
FVC	MCL1	cg13175981	rs145713490	T	C	0.368	0.042	0.086	9.26E-19	-0.014	0.004	0.001	0.021	78.169	TRUE	2.70E-17
FVC	MCL1	cg13175981	rs146939323	A	G	-0.580	0.106	0.028	4.61E-08	0.013	0.007	0.060	0.008	29.859	TRUE	1.51E-07
FVC	MCL1	cg13175981	rs200492635	G	T	-0.413	0.043	0.073	1.34E-21	0.017	0.004	6.48E-05	0.024	91.084	TRUE	1.09E-19
FVC	MCL1	cg13175981	rs267733	G	A	0.262	0.032	0.155	4.07E-16	-0.007	0.003	0.033	0.018	66.169	TRUE	3.58E-15
FVC	MCL1	cg13175981	rs3738484	G	T	-0.710	0.021	0.443	1.64E-239	0.026	0.002	1.12E-27	0.228	1091.608	TRUE	2.93E-203
FVC	MCL1	cg13175981	rs3754208	C	A	0.384	0.044	0.074	4.24E-18	0.001	0.005	0.879	0.020	75.164	TRUE	9.09E-18
FVC	MCL1	cg13175981	rs41300863	G	A	-0.430	0.052	0.047	1.50E-16	0.020	0.005	1.37E-04	0.018	68.130	TRUE	4.98E-15
FVC	MCL1	cg13175981	rs4970934	G	A	-0.184	0.027	0.257	5.76E-12	0.006	0.003	0.027	0.013	47.384	TRUE	3.42E-11
FVC	MCL1	cg13175981	rs4970944	G	A	-0.266	0.025	0.307	4.78E-27	0.007	0.003	0.010	0.030	115.927	TRUE	2.18E-25
FVC	MCL1	cg13175981	rs60162170	A	G	0.266	0.035	0.119	3.90E-14	0.000	0.004	0.979	0.015	57.185	TRUE	6.17E-14
FVC	MCL1	cg13175981	rs72700826	T	C	-0.333	0.044	0.072	7.10E-14	0.017	0.004	1.94E-04	0.015	56.009	TRUE	1.54E-12
FVC	MCL1	cg13175981	rs77604525	G	T	-0.484	0.037	0.098	7.80E-40	0.021	0.004	1.54E-08	0.045	174.379	TRUE	8.11E-36
FVC	MCL1	cg17724175	rs1045298	T	C	0.312	0.032	0.156	3.73E-22	-0.011	0.003	0.001	0.025	93.616	TRUE	1.70E-20
FVC	MCL1	cg17724175	rs10788797	G	A	-0.277	0.037	0.114	6.77E-14	-0.002	0.004	0.661	0.015	56.104	TRUE	1.43E-13
FVC	MCL1	cg17724175	rs111428433	T	C	-0.458	0.048	0.062	2.66E-21	-0.022	0.005	1.59E-05	0.024	89.736	TRUE	2.71E-19
FVC	MCL1	cg17724175	rs11204671	T	C	0.804	0.021	0.340	5.14E-293	0.024	0.003	1.53E-22	0.277	1415.853	TRUE	1.88E-260
FVC	MCL1	cg17724175	rs11205354	A	C	0.374	0.023	0.444	1.51E-58	0.001	0.002	0.582	0.066	260.108	TRUE	2.36E-56
FVC	MCL1	cg17724175	rs114529840	G	T	0.320	0.052	0.048	8.04E-10	0.020	0.005	6.85E-05	0.010	37.729	TRUE	1.05E-08
FVC	MCL1	cg17724175	rs115183610	C	T	0.746	0.111	0.014	2.17E-11	-0.011	0.011	0.323	0.012	44.783	TRUE	5.67E-11
FVC	MCL1	cg17724175	rs116293136	A	G	0.773	0.131	0.020	3.49E-09	0.009	0.008	0.235	0.009	34.873	TRUE	8.66E-09
FVC	MCL1	cg17724175	rs11803990	G	C	-0.468	0.044	0.077	1.50E-26	0.002	0.004	0.646	0.030	113.654	TRUE	7.58E-26
FVC	MCL1	cg17724175	rs11806477	T	C	-0.187	0.024	0.382	1.33E-14	0.000	0.002	0.868	0.016	59.307	TRUE	2.38E-14
FVC	MCL1	cg17724175	rs12143614	A	T	-0.475	0.037	0.120	3.34E-37	-0.013	0.004	5.27E-04	0.042	162.336	TRUE	1.51E-34
FVC	MCL1	cg17724175	rs140386498	T	A	0.779	0.096	0.017	3.57E-16	0.012	0.011	0.246	0.018	66.424	TRUE	1.50E-15
FVC	MCL1	cg17724175	rs140729194	G	C	-0.412	0.054	0.049	2.69E-14	-0.014	0.006	0.013	0.015	57.918	TRUE	2.55E-13
FVC	MCL1	cg17724175	rs141156871	G	T	0.821	0.089	0.021	3.49E-20	0.004	0.008	0.604	0.022	84.644	TRUE	1.16E-19
FVC	MCL1	cg17724175	rs142094124	A	G	0.744	0.045	0.067	7.47E-61	-0.019	0.005	4.18E-05	0.068	270.687	TRUE	3.51E-56
FVC	MCL1	cg17724175	rs17646887	A	G	0.857	0.082	0.046	9.23E-26	0.007	0.006	0.204	0.029	110.060	TRUE	9.80E-25
FVC	MCL1	cg17724175	rs1811698	T	C	-0.356	0.038	0.101	6.19E-21	0.011	0.004	0.007	0.023	88.064	TRUE	1.50E-19
FVC	MCL1	cg17724175	rs2067606	G	A	0.207	0.027	0.244	5.14E-14	-0.006	0.003	0.042	0.015	56.645	TRUE	3.33E-13
FVC	MCL1	cg17724175	rs3738320	G	A	0.369	0.028	0.218	4.25E-40	0.003	0.003	0.291	0.045	175.587	TRUE	1.52E-38
FVC	MCL1	cg17724175	rs525676	T	C	-0.445	0.064	0.038	4.84E-12	-0.016	0.006	0.006	0.013	47.723	TRUE	4.09E-11
FVC	MCL1	cg17724175	rs6659770	T	C	0.499	0.027	0.257	9.67E-79	0.006	0.003	0.026	0.087	352.756	TRUE	5.62E-74
FVC	MCL1	cg17724175	rs7364686	A	G	0.460	0.025	0.313	9.17E-76	0.013	0.003	2.27E-06	0.084	339.095	TRUE	2.00E-69
FVC	MCL1	cg17724175	rs771201	C	T	0.347	0.024	0.385	5.93E-47	0.002	0.002	0.516	0.053	206.974	TRUE	2.68E-45
FVC	MCL1	cg18016565	rs11204671	T	C	0.320	0.024	0.340	1.92E-39	0.024	0.003	1.53E-22	0.045	172.593	TRUE	1.86E-33
FVC	MCL1	cg18016565	rs6693567	C	T	0.193	0.027	0.261	6.96E-13	0.013	0.003	2.27E-06	0.014	51.529	TRUE	2.37E-11

FVC	MCL1	cg18016565	rs75952620	C	T	0.353	0.040	0.084	7.69E-19	0.019	0.004	1.45E-06	0.021	78.535	TRUE	8.26E-17
FVC	MEFV	cg03919650	rs220377	C	G	-0.312	0.027	0.224	5.31E-30	-0.012	0.003	5.72E-06	0.034	129.415	TRUE	2.73E-27
FVC	MEFV	cg05388963	rs1235946	C	T	-0.294	0.029	0.201	1.24E-24	0.006	0.003	0.052	0.028	104.907	TRUE	2.32E-23
FVC	MEFV	cg05554494	rs17136317	A	T	-0.376	0.027	0.227	1.24E-43	-0.012	0.003	1.80E-05	0.049	191.764	TRUE	4.23E-40
FVC	MEFV	cg08260052	rs11645732	A	C	0.301	0.051	0.053	4.59E-09	0.004	0.005	0.425	0.009	34.335	TRUE	9.04E-09
FVC	MEFV	cg08260052	rs224217	A	G	-0.823	0.019	0.463	<1E-200	-0.005	0.002	0.038	0.330	1824.058	TRUE	<1E-200
FVC	MEFV	cg08260052	rs382073	T	G	0.159	0.024	0.383	6.95E-11	-0.001	0.002	0.547	0.011	42.510	TRUE	1.35E-10
FVC	MEFV	cg08260052	rs62032729	C	G	-0.147	0.027	0.266	3.13E-08	0.004	0.003	0.130	0.008	30.610	TRUE	8.71E-08
FVC	MEFV	cg08260052	rs67218524	T	G	0.193	0.026	0.297	5.52E-14	0.007	0.003	0.006	0.015	56.506	TRUE	5.80E-13
FVC	MEFV	cg08260052	rs77260057	C	G	-0.351	0.043	0.080	2.25E-16	-0.010	0.004	0.011	0.018	67.335	TRUE	2.79E-15
FVC	MEFV	cg08781710	rs224215	G	A	-0.215	0.032	0.392	2.75E-11	-0.007	0.003	0.005	0.012	44.321	TRUE	2.23E-10
FVC	MEFV	cg11660537	rs1149487	T	C	-0.351	0.029	0.203	3.46E-34	0.006	0.003	0.051	0.039	148.545	TRUE	1.85E-32
FVC	MEFV	cg11660537	rs220381	G	A	0.197	0.033	0.351	3.69E-09	0.004	0.003	0.132	0.009	34.764	TRUE	1.08E-08
FVC	MET	cg19958057	rs10227421	C	T	-0.194	0.035	0.122	3.39E-08	0.009	0.004	0.015	0.008	30.452	TRUE	1.51E-07
FVC	MET	cg24197567	rs41785	A	C	-0.161	0.024	0.420	2.73E-11	0.001	0.002	0.579	0.012	44.339	TRUE	5.30E-11
FVC	MET	cg24197567	rs437	C	T	0.153	0.027	0.262	8.36E-09	0.007	0.003	0.007	0.009	33.171	TRUE	4.60E-08
FVC	MET	cg24627299	rs437	C	T	0.256	0.027	0.262	5.18E-22	0.007	0.003	0.007	0.025	92.968	TRUE	1.42E-20
FVC	MET	cg25299676	rs145400702	T	C	0.659	0.118	0.013	2.34E-08	0.012	0.010	0.216	0.008	31.174	TRUE	5.61E-08
FVC	MET	cg25299676	rs38840	T	C	0.510	0.041	0.172	7.34E-35	0.004	0.003	0.201	0.039	151.626	TRUE	1.86E-33
FVC	MET	cg25299676	rs41781	C	T	0.147	0.025	0.357	4.40E-09	-0.002	0.002	0.404	0.009	34.421	TRUE	8.90E-09
FVC	MET	cg25299676	rs73716755	C	G	-0.350	0.058	0.042	1.61E-09	0.002	0.006	0.695	0.010	36.378	TRUE	2.58E-09
FVC	MET	cg27472701	rs38849	C	G	-0.198	0.027	0.249	2.04E-13	-0.002	0.003	0.452	0.014	53.936	TRUE	5.17E-13
FVC	MIA	cg24083702	rs12052092	A	T	-0.142	0.024	0.338	6.06E-09	0.002	0.003	0.414	0.009	33.797	TRUE	1.19E-08
FVC	MIA	cg24083702	rs2233153	C	G	1.008	0.053	0.049	1.06E-80	-0.018	0.006	0.001	0.089	361.753	TRUE	4.95E-75
FVC	MIA	cg24083702	rs3745210	A	G	0.171	0.026	0.296	3.09E-11	-0.007	0.003	0.011	0.012	44.098	TRUE	2.06E-10
FVC	MIA	cg24083702	rs79436912	G	A	0.430	0.042	0.082	2.33E-24	-0.003	0.004	0.540	0.027	103.661	TRUE	1.15E-23
FVC	MIR210	cg02471760	rs10902179	C	T	0.667	0.051	0.052	1.60E-39	-0.001	0.005	0.787	0.045	172.952	TRUE	1.99E-38
FVC	MIR210	cg02471760	rs143705409	G	A	0.395	0.066	0.037	2.58E-09	0.011	0.006	0.051	0.009	35.461	TRUE	1.01E-08
FVC	MIR210	cg03880841	rs10902177	G	A	-0.297	0.035	0.122	1.14E-17	-0.003	0.004	0.355	0.019	73.211	TRUE	4.55E-17
FVC	MIR210	cg03880841	rs7935908	G	A	-0.144	0.024	0.385	2.52E-09	-0.007	0.002	0.005	0.010	35.505	TRUE	1.61E-08
FVC	MIR210	cg08200293	rs12280851	C	G	-0.323	0.024	0.398	4.98E-42	-0.007	0.002	0.007	0.047	184.428	TRUE	1.77E-39
FVC	MIR210	cg08200293	rs12806062	A	G	-0.248	0.037	0.126	1.71E-11	-0.003	0.004	0.402	0.012	45.250	TRUE	4.13E-11
FVC	MIR210	cg08200293	rs7124601	A	C	-0.180	0.024	0.470	4.14E-14	-0.001	0.002	0.603	0.015	57.070	TRUE	9.21E-14
FVC	MIR210	cg15482500	rs10902177	G	A	-0.271	0.035	0.122	5.46E-15	-0.003	0.004	0.355	0.016	61.056	TRUE	1.78E-14
FVC	MIR210	cg15482500	rs7935908	G	A	-0.140	0.024	0.385	8.14E-09	-0.007	0.002	0.005	0.009	33.223	TRUE	4.84E-08
FVC	MIR210	cg27193691	rs12360820	A	C	-0.345	0.030	0.168	4.65E-30	-0.003	0.003	0.327	0.034	129.679	TRUE	5.34E-29
FVC	MIR210	cg27193691	rs12792669	G	T	-0.162	0.024	0.390	3.18E-11	-0.007	0.002	0.002	0.012	44.040	TRUE	3.04E-10
FVC	MIR210	cg27193691	rs74233908	A	G	-0.323	0.050	0.056	7.13E-11	-0.003	0.005	0.486	0.011	42.459	TRUE	1.49E-10
FVC	MMP9	cg00182727	rs35567443	C	T	-0.333	0.024	0.425	8.25E-44	-0.007	0.002	0.003	0.049	192.581	TRUE	5.17E-41
FVC	MMP9	cg04145601	rs112921409	A	C	0.180	0.024	0.423	3.09E-14	0.008	0.002	0.001	0.015	57.647	TRUE	4.68E-13
FVC	MMP9	cg04145601	rs13038175	A	G	0.272	0.036	0.118	7.92E-14	0.008	0.004	0.022	0.015	55.796	TRUE	6.24E-13
FVC	MMP9	cg04145601	rs2425760	A	T	0.185	0.034	0.139	4.18E-08	0.006	0.003	0.054	0.008	30.046	TRUE	1.40E-07

FVC	MMP9	cg04145601	rs3918253	C	T	-0.453	0.024	0.425	1.96E-81	-0.008	0.002	0.001	0.090	365.122	TRUE	9.23E-76
FVC	MMP9	cg04656101	rs2297198	T	C	-0.216	0.029	0.194	1.48E-13	-0.005	0.003	0.112	0.015	54.570	TRUE	6.75E-13
FVC	MMP9	cg04656101	rs3918253	C	T	-0.326	0.024	0.425	2.93E-42	-0.008	0.002	0.001	0.048	185.481	TRUE	1.82E-39
FVC	MMP9	cg04656101	rs4810488	A	C	-0.194	0.030	0.191	5.57E-11	-0.004	0.003	0.159	0.011	42.942	TRUE	1.82E-10
FVC	MMP9	cg04656101	rs77880402	C	T	0.207	0.035	0.125	5.03E-09	0.008	0.004	0.022	0.009	34.159	TRUE	2.31E-08
FVC	MMP9	cg09149648	rs2250889	G	C	0.387	0.058	0.042	2.98E-11	-0.005	0.006	0.430	0.012	44.164	TRUE	6.77E-11
FVC	MMP9	cg17664577	rs148773337	A	C	-0.424	0.073	0.022	7.36E-09	-0.015	0.008	0.075	0.009	33.420	TRUE	2.50E-08
FVC	MMP9	cg17664577	rs35567443	C	T	-0.370	0.024	0.425	5.48E-54	-0.007	0.002	0.003	0.061	239.211	TRUE	1.58E-50
FVC	MMP9	cg17664577	rs56324610	C	G	-0.157	0.025	0.339	1.88E-10	-0.005	0.003	0.028	0.011	40.563	TRUE	9.33E-10
FVC	MMP9	cg20674635	rs112033225	A	G	0.381	0.057	0.043	3.43E-11	0.006	0.006	0.323	0.012	43.891	TRUE	8.87E-11
FVC	MMP9	cg20674635	rs112059592	G	T	-0.407	0.075	0.026	4.76E-08	-0.006	0.007	0.440	0.008	29.796	TRUE	8.71E-08
FVC	MMP9	cg20674635	rs13038175	A	G	0.231	0.036	0.118	2.07E-10	0.008	0.004	0.022	0.011	40.381	TRUE	1.11E-09
FVC	MMP9	cg20674635	rs2250889	G	C	-0.327	0.059	0.042	3.12E-08	-0.005	0.006	0.430	0.008	30.616	TRUE	5.83E-08
FVC	MMP9	cg20674635	rs3918256	G	A	-0.605	0.023	0.425	5.79E-150	-0.008	0.002	0.001	0.155	679.920	TRUE	5.33E-137
FVC	MMP9	cg20674635	rs3918278	A	G	-0.572	0.084	0.023	8.55E-12	-0.015	0.008	0.059	0.012	46.611	TRUE	4.11E-11
FVC	MMP9	cg20674635	rs4810488	A	C	-0.203	0.030	0.191	7.34E-12	-0.004	0.003	0.159	0.013	46.908	TRUE	2.59E-11
FVC	MMP9	cg20674635	rs56279239	A	G	0.290	0.036	0.126	3.41E-16	-0.005	0.004	0.195	0.018	66.516	TRUE	1.58E-15
FVC	MMP9	cg20674635	rs6074009	T	C	-0.196	0.030	0.187	5.95E-11	0.002	0.003	0.517	0.011	42.812	TRUE	1.22E-10
FVC	MMP9	cg20674635	rs6130946	C	T	-0.202	0.036	0.117	2.59E-08	0.004	0.004	0.227	0.008	30.979	TRUE	6.13E-08
FVC	MMP9	cg20674635	rs7264209	C	T	0.311	0.056	0.045	2.28E-08	0.001	0.006	0.822	0.008	31.227	TRUE	3.15E-08
FVC	MMP9	cg20674635	rs77617917	A	G	-0.244	0.044	0.075	2.56E-08	-0.002	0.004	0.733	0.008	30.999	TRUE	3.79E-08
FVC	MMP9	cg20674635	rs77727017	T	G	-0.277	0.036	0.118	2.36E-14	-0.006	0.004	0.080	0.015	58.172	TRUE	1.34E-13
FVC	MMP9	cg20674635	rs79439130	A	G	-0.435	0.058	0.040	7.55E-14	-0.002	0.006	0.710	0.015	55.890	TRUE	1.51E-13
FVC	MMP9	cg23303369	rs112059592	G	T	-0.513	0.075	0.026	6.27E-12	-0.006	0.007	0.440	0.013	47.218	TRUE	1.47E-11
FVC	MMP9	cg23303369	rs1128536	A	G	-0.143	0.026	0.291	2.69E-08	-0.004	0.003	0.177	0.008	30.902	TRUE	6.81E-08
FVC	MMP9	cg23303369	rs113562688	A	G	-0.303	0.036	0.116	6.84E-17	-0.007	0.004	0.055	0.018	69.681	TRUE	5.67E-16
FVC	MMP9	cg23303369	rs12373874	A	G	-0.530	0.096	0.030	3.30E-08	-0.009	0.007	0.174	0.008	30.509	TRUE	8.30E-08
FVC	MMP9	cg23303369	rs13038175	A	G	0.330	0.036	0.118	1.05E-19	0.008	0.004	0.022	0.022	82.461	TRUE	1.58E-18
FVC	MMP9	cg23303369	rs148773337	A	C	-0.453	0.073	0.022	6.02E-10	-0.015	0.008	0.075	0.010	38.294	TRUE	2.27E-09
FVC	MMP9	cg23303369	rs2250889	G	C	-0.418	0.059	0.042	1.39E-12	-0.005	0.006	0.430	0.013	50.166	TRUE	3.45E-12
FVC	MMP9	cg23303369	rs3918256	G	A	-0.749	0.023	0.425	3.10E-242	-0.008	0.002	0.001	0.230	1104.131	TRUE	3.26E-215
FVC	MMP9	cg23303369	rs3918278	A	G	-0.528	0.084	0.023	3.14E-10	-0.015	0.008	0.059	0.011	39.563	TRUE	1.29E-09
FVC	MMP9	cg23303369	rs3933240	T	C	0.277	0.046	0.069	2.43E-09	-0.011	0.005	0.020	0.010	35.579	TRUE	1.14E-08
FVC	MMP9	cg23303369	rs4810488	A	C	-0.245	0.030	0.191	1.33E-16	-0.004	0.003	0.159	0.018	68.373	TRUE	6.99E-16
FVC	MMP9	cg23303369	rs55943410	T	C	0.410	0.044	0.079	7.25E-21	0.006	0.005	0.214	0.023	87.750	TRUE	4.83E-20
FVC	MMP9	cg23303369	rs6017575	G	A	-0.180	0.031	0.176	4.17E-09	-0.009	0.003	0.003	0.009	34.525	TRUE	2.83E-08
FVC	MMP9	cg23303369	rs6074009	T	C	-0.236	0.030	0.187	3.86E-15	0.002	0.003	0.517	0.016	61.737	TRUE	1.03E-14
FVC	MMP9	cg23303369	rs73112805	G	T	0.339	0.053	0.050	1.17E-10	0.002	0.005	0.747	0.011	41.494	TRUE	1.91E-10
FVC	MMP9	cg23303369	rs77202366	T	C	0.418	0.057	0.044	1.86E-13	0.005	0.006	0.347	0.014	54.119	TRUE	5.38E-13
FVC	MMP9	cg23303369	rs79439130	A	G	-0.388	0.058	0.040	2.61E-11	-0.002	0.006	0.710	0.012	44.422	TRUE	4.57E-11
FVC	MMP9	cg23303369	rs9509	C	T	-0.389	0.070	0.030	3.03E-08	0.004	0.008	0.620	0.008	30.674	TRUE	4.85E-08
FVC	MMP9	cg23353432	rs13969	A	C	-0.255	0.024	0.388	1.69E-25	-0.008	0.002	9.85E-04	0.029	108.866	TRUE	1.25E-23

FVC	MMP9	cg26132320	rs143834352	T	G	-0.674	0.123	0.015	3.98E-08	-0.005	0.009	0.524	0.008	30.144	TRUE	6.81E-08
FVC	MMP9	cg26132320	rs3918256	G	A	-0.423	0.024	0.425	3.70E-71	-0.008	0.002	0.001	0.079	317.957	TRUE	2.69E-66
FVC	MMP9	cg26132320	rs7270170	A	G	0.156	0.024	0.455	3.44E-11	0.006	0.002	0.008	0.012	43.883	TRUE	2.58E-10
FVC	MMP9	cg26132320	rs73112805	G	T	0.337	0.052	0.050	1.29E-10	0.002	0.005	0.747	0.011	41.303	TRUE	2.10E-10
FVC	MPO	cg00473501	rs12602498	G	A	0.147	0.025	0.304	6.60E-09	0.000	0.003	0.910	0.009	33.630	TRUE	8.84E-09
FVC	MPO	cg00473501	rs35966900	C	T	-0.256	0.032	0.158	1.76E-15	-0.001	0.003	0.843	0.017	63.284	TRUE	3.35E-15
FVC	MPO	cg00473501	rs59651067	C	A	0.159	0.028	0.228	1.04E-08	0.004	0.003	0.161	0.009	32.750	TRUE	2.79E-08
FVC	MPO	cg00473501	rs62083752	T	C	0.663	0.046	0.069	5.68E-47	-0.007	0.005	0.136	0.053	207.062	TRUE	7.83E-45
FVC	MPO	cg02138358	rs34523089	T	C	0.218	0.034	0.163	2.45E-10	0.010	0.003	0.002	0.011	40.048	TRUE	2.20E-09
FVC	MPO	cg02138358	rs36089182	T	A	0.370	0.057	0.050	1.01E-10	0.003	0.005	0.601	0.011	41.775	TRUE	1.88E-10
FVC	MPO	cg04266202	rs11575868	T	C	-0.279	0.047	0.069	2.58E-09	-0.007	0.004	0.129	0.009	35.462	TRUE	7.85E-09
FVC	MPO	cg04266202	rs34523089	T	C	0.288	0.034	0.163	5.24E-17	0.010	0.003	0.002	0.019	70.207	TRUE	1.16E-15
FVC	MPO	cg04266202	rs36089182	T	A	0.452	0.057	0.050	2.42E-15	0.003	0.005	0.601	0.017	62.657	TRUE	5.89E-15
FVC	MPO	cg08058156	rs35966900	C	T	0.218	0.032	0.158	1.48E-11	-0.001	0.003	0.843	0.012	45.531	TRUE	2.32E-11
FVC	MPO	cg09421562	rs34523089	T	C	0.227	0.034	0.163	4.95E-11	0.010	0.003	0.002	0.012	43.174	TRUE	4.91E-10
FVC	MPO	cg09421562	rs36089182	T	A	0.354	0.057	0.050	5.82E-10	0.003	0.005	0.601	0.010	38.359	TRUE	1.04E-09
FVC	MPO	cg27456487	rs34523089	T	C	0.276	0.034	0.163	9.84E-16	0.010	0.003	0.002	0.017	64.428	TRUE	1.85E-14
FVC	MPO	cg27456487	rs36089182	T	A	0.444	0.057	0.050	7.93E-15	0.003	0.005	0.601	0.016	60.320	TRUE	1.87E-14
FVC	MSX1	cg01785568	rs28529683	G	C	-0.248	0.034	0.137	2.00E-13	0.002	0.003	0.571	0.014	53.979	TRUE	4.50E-13
FVC	MSX1	cg01785568	rs67362914	C	T	-0.235	0.039	0.101	1.90E-09	0.006	0.004	0.127	0.010	36.056	TRUE	5.87E-09
FVC	MSX1	cg03199651	rs56398386	T	C	-0.226	0.031	0.170	2.87E-13	0.007	0.003	0.023	0.014	53.265	TRUE	2.11E-12
FVC	MSX1	cg03335246	rs145178606	A	C	-0.577	0.088	0.020	4.64E-11	-0.001	0.009	0.910	0.012	43.300	TRUE	6.76E-11
FVC	MSX1	cg03335246	rs3821949	A	G	-0.446	0.037	0.231	7.48E-33	0.005	0.003	0.069	0.037	142.443	TRUE	2.83E-31
FVC	MSX1	cg03335246	rs4234836	G	A	-0.139	0.024	0.487	5.18E-09	0.001	0.002	0.753	0.009	34.102	TRUE	7.74E-09
FVC	MSX1	cg03335246	rs4566595	C	A	0.205	0.024	0.379	5.27E-17	-0.004	0.002	0.148	0.019	70.194	TRUE	3.01E-16
FVC	MSX1	cg03335246	rs6821947	C	G	-0.160	0.029	0.198	3.68E-08	0.006	0.003	0.029	0.008	30.297	TRUE	1.44E-07
FVC	MSX1	cg03335246	rs77291978	G	C	-0.401	0.040	0.091	9.54E-24	0.007	0.004	0.061	0.027	100.872	TRUE	1.45E-22
FVC	MSX1	cg03672274	rs4423815	A	G	0.139	0.024	0.427	4.57E-09	-0.006	0.002	0.018	0.009	34.348	TRUE	2.13E-08
FVC	MSX1	cg04100843	rs56398386	T	C	-0.180	0.031	0.170	6.62E-09	0.007	0.003	0.023	0.009	33.626	TRUE	2.96E-08
FVC	MSX1	cg04660422	rs73194720	T	C	0.254	0.032	0.167	1.85E-15	-0.001	0.003	0.746	0.017	63.189	TRUE	3.90E-15
FVC	MSX1	cg08121252	rs13435489	C	T	-0.335	0.049	0.054	1.22E-11	-0.008	0.005	0.108	0.012	45.917	TRUE	4.77E-11
FVC	MSX1	cg08121252	rs4689955	C	T	0.150	0.024	0.479	1.73E-10	-0.004	0.002	0.136	0.011	40.729	TRUE	5.62E-10
FVC	MSX1	cg09573795	rs4395446	G	A	0.192	0.027	0.268	6.25E-13	0.006	0.003	0.033	0.014	51.739	TRUE	3.91E-12
FVC	MSX1	cg09573795	rs6446716	G	A	0.128	0.024	0.396	4.92E-08	0.001	0.002	0.582	0.008	29.732	TRUE	7.97E-08
FVC	MSX1	cg09748975	rs112626763	C	T	-0.411	0.064	0.035	1.65E-10	0.000	0.006	0.976	0.011	40.819	TRUE	2.24E-10
FVC	MSX1	cg09748975	rs12512455	T	C	-0.148	0.024	0.423	4.33E-10	0.001	0.002	0.671	0.010	38.939	TRUE	7.28E-10
FVC	MSX1	cg09748975	rs67362914	C	T	-0.220	0.039	0.101	1.96E-08	0.006	0.004	0.127	0.008	31.521	TRUE	5.51E-08
FVC	MSX1	cg09918082	rs10029682	A	C	-0.303	0.048	0.059	3.08E-10	-0.005	0.005	0.331	0.011	39.601	TRUE	7.35E-10
FVC	MSX1	cg09918082	rs11944652	C	T	0.150	0.023	0.470	1.37E-10	0.004	0.002	0.069	0.011	41.190	TRUE	5.76E-10
FVC	MSX1	cg10266211	rs3821949	A	G	-0.213	0.038	0.231	1.51E-08	0.005	0.003	0.069	0.009	32.017	TRUE	4.98E-08
FVC	MSX1	cg13882284	rs80183133	G	A	0.256	0.043	0.074	1.66E-09	0.006	0.004	0.130	0.010	36.322	TRUE	5.18E-09
FVC	MSX1	cg14039306	rs2131453	C	G	-0.490	0.042	0.169	8.56E-31	0.005	0.003	0.103	0.035	133.036	TRUE	2.15E-29

FVC	MSX1	cg14039306	rs28444462	T	A	-0.452	0.050	0.059	8.13E-20	-0.004	0.005	0.381	0.022	82.974	TRUE	3.61E-19
FVC	MSX1	cg14039306	rs35995608	A	T	0.289	0.040	0.096	2.48E-13	0.001	0.004	0.900	0.014	53.554	TRUE	4.05E-13
FVC	MSX1	cg14039306	rs3821949	A	G	-0.272	0.038	0.231	4.93E-13	0.005	0.003	0.069	0.014	52.205	TRUE	2.51E-12
FVC	MSX1	cg14039306	rs4425311	A	G	-0.274	0.048	0.064	1.03E-08	-0.003	0.005	0.511	0.009	32.764	TRUE	1.86E-08
FVC	MSX1	cg14039306	rs4511945	G	C	0.182	0.028	0.249	3.82E-11	-0.003	0.003	0.317	0.012	43.682	TRUE	9.84E-11
FVC	MSX1	cg14039306	rs4689966	A	G	-0.306	0.024	0.343	1.01E-36	0.003	0.002	0.237	0.041	160.145	TRUE	2.95E-35
FVC	MSX1	cg14039306	rs60145083	A	G	0.183	0.024	0.499	9.72E-15	-0.002	0.002	0.372	0.016	59.919	TRUE	2.97E-14
FVC	MSX1	cg14039306	rs74874242	T	C	-0.381	0.064	0.036	2.74E-09	0.000	0.006	0.962	0.009	35.340	TRUE	3.58E-09
FVC	MSX1	cg15696627	rs13435455	A	C	-0.318	0.050	0.054	1.67E-10	-0.007	0.005	0.146	0.011	40.796	TRUE	5.41E-10
FVC	MSX1	cg17814781	rs113018018	A	G	0.346	0.033	0.139	1.82E-25	0.001	0.003	0.825	0.029	108.715	TRUE	6.56E-25
FVC	MSX1	cg17814781	rs12650460	C	G	0.149	0.025	0.307	3.84E-09	0.002	0.003	0.462	0.009	34.685	TRUE	7.31E-09
FVC	MSX1	cg17814781	rs4566595	C	A	-0.232	0.024	0.379	2.45E-21	-0.004	0.002	0.148	0.024	89.894	TRUE	2.06E-20
FVC	MSX1	cg17814781	rs61482971	G	A	0.245	0.033	0.151	5.21E-14	-0.002	0.003	0.500	0.015	56.619	TRUE	1.32E-13
FVC	MSX1	cg17938612	rs13435489	C	T	0.493	0.050	0.054	2.74E-23	-0.008	0.005	0.108	0.026	98.784	TRUE	3.13E-22
FVC	MSX1	cg17938612	rs2968688	C	G	0.179	0.030	0.194	1.86E-09	-0.004	0.003	0.133	0.010	36.091	TRUE	5.73E-09
FVC	MSX1	cg17938612	rs4423815	A	G	0.133	0.024	0.427	2.19E-08	-0.006	0.002	0.018	0.008	31.298	TRUE	9.45E-08
FVC	MSX1	cg20588069	rs3821949	A	G	-0.387	0.037	0.231	4.15E-25	0.005	0.003	0.069	0.028	107.083	TRUE	6.87E-24
FVC	MSX1	cg20588069	rs4234836	G	A	-0.165	0.024	0.487	3.31E-12	0.001	0.002	0.753	0.013	48.467	TRUE	5.79E-12
FVC	MSX1	cg20588069	rs4566595	C	A	0.181	0.024	0.379	1.30E-13	-0.004	0.002	0.148	0.015	54.822	TRUE	5.53E-13
FVC	MSX1	cg20588069	rs6821947	C	G	-0.162	0.029	0.198	2.29E-08	0.006	0.003	0.029	0.008	31.211	TRUE	9.23E-08
FVC	MSX1	cg20588069	rs78255553	C	T	-0.322	0.039	0.093	3.29E-16	0.008	0.004	0.033	0.018	66.584	TRUE	2.95E-15
FVC	MSX1	cg21538208	rs12512455	T	C	-0.133	0.024	0.423	2.03E-08	0.001	0.002	0.671	0.008	31.447	TRUE	3.14E-08
FVC	MSX1	cg21689228	rs4234836	G	A	0.169	0.024	0.487	8.74E-13	0.001	0.002	0.753	0.014	51.080	TRUE	1.57E-12
FVC	MSX1	cg21689228	rs4689955	C	T	-0.168	0.024	0.479	9.47E-13	-0.004	0.002	0.136	0.014	50.923	TRUE	3.74E-12
FVC	MSX1	cg21689228	rs6446700	G	A	0.234	0.024	0.489	2.47E-23	0.007	0.002	0.004	0.026	98.987	TRUE	1.01E-21
FVC	MSX1	cg21689228	rs73194720	T	C	0.343	0.032	0.167	3.18E-27	-0.001	0.003	0.746	0.031	116.732	TRUE	1.46E-26
FVC	MSX1	cg21689228	rs7666443	C	T	0.136	0.024	0.471	9.37E-09	0.006	0.002	0.019	0.009	32.950	TRUE	4.35E-08
FVC	MSX1	cg22256027	rs6817411	T	C	0.154	0.023	0.467	4.55E-11	0.004	0.002	0.064	0.012	43.339	TRUE	2.07E-10
FVC	MSX1	cg22371591	rs10019032	T	C	0.309	0.048	0.061	1.33E-10	-0.005	0.005	0.275	0.011	41.244	TRUE	3.46E-10
FVC	MSX1	cg22609784	rs11944652	C	T	0.208	0.024	0.470	7.96E-19	0.004	0.002	0.069	0.021	78.466	TRUE	7.53E-18
FVC	MSX1	cg22609784	rs35751866	A	C	0.177	0.027	0.243	1.01E-10	0.005	0.003	0.075	0.011	41.770	TRUE	4.10E-10
FVC	MSX1	cg22609784	rs4426714	C	G	0.152	0.024	0.378	3.80E-10	0.004	0.002	0.149	0.010	39.194	TRUE	1.20E-09
FVC	MSX1	cg24469464	rs73193155	A	G	0.300	0.035	0.134	1.91E-17	0.000	0.004	0.914	0.019	72.199	TRUE	3.80E-17
FVC	MSX1	cg24840099	rs148259940	A	G	-0.618	0.100	0.014	5.54E-10	0.002	0.009	0.790	0.010	38.456	TRUE	8.47E-10
FVC	MSX1	cg24840099	rs2968684	T	C	-0.201	0.034	0.136	4.32E-09	0.002	0.003	0.631	0.009	34.454	TRUE	7.12E-09
FVC	MSX1	cg25144207	rs13109344	G	A	-0.168	0.028	0.223	2.91E-09	0.001	0.003	0.806	0.009	35.221	TRUE	4.27E-09
FVC	MSX1	cg25144207	rs3111689	G	T	-0.302	0.038	0.210	2.18E-15	-0.001	0.003	0.801	0.017	62.864	TRUE	4.33E-15
FVC	MSX1	cg27038439	rs113083992	A	G	-0.446	0.064	0.035	3.04E-12	0.000	0.006	0.953	0.013	48.638	TRUE	4.52E-12
FVC	MTDH	cg21206266	rs2516350	G	A	-0.168	0.028	0.289	2.01E-09	-0.006	0.003	0.023	0.010	35.944	TRUE	9.46E-09
FVC	MTF1	cg13567986	rs111956467	T	C	-0.215	0.030	0.197	5.01E-13	-0.011	0.003	2.04E-04	0.014	52.172	TRUE	8.96E-12
FVC	MTF1	cg13567986	rs1480343	T	C	0.288	0.042	0.092	1.01E-11	0.012	0.005	0.010	0.012	46.275	TRUE	7.53E-11
FVC	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	-0.001	0.004	0.844	0.010	35.627	TRUE	3.36E-09

FVC	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	0.002	0.003	0.372	0.011	40.101	TRUE	5.41E-10
FVC	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	0.001	0.002	0.742	0.016	59.363	TRUE	2.61E-14
FVC	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	0.014	0.004	3.03E-04	0.018	69.319	TRUE	2.46E-15
FVC	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	-0.002	0.006	0.694	0.020	73.825	TRUE	2.16E-17
FVC	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	-0.012	0.004	0.007	0.011	42.813	TRUE	4.33E-10
FVC	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	-0.013	0.002	4.90E-08	0.105	436.012	TRUE	6.58E-88
FVC	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	0.003	0.003	0.318	0.009	34.701	TRUE	8.51E-09
FVC	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	0.001	0.003	0.598	0.027	102.085	TRUE	2.27E-23
FVC	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	-0.009	0.006	0.095	0.013	47.353	TRUE	2.49E-11
FVC	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	0.000	0.003	0.931	0.027	103.029	TRUE	9.52E-24
FVC	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	-0.007	0.003	0.008	0.034	131.110	TRUE	1.62E-28
FVC	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	0.001	0.003	0.598	0.009	31.786	TRUE	2.80E-08
FVC	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	-0.002	0.006	0.756	0.035	135.131	TRUE	1.87E-30
FVC	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	0.010	0.002	2.91E-05	0.018	67.714	TRUE	7.82E-15
FVC	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	0.010	0.002	4.75E-05	0.012	43.170	TRUE	8.05E-10
FVC	MUL1	cg03182908	rs11577932	T	C	0.204	0.024	0.396	7.76E-18	0.003	0.002	0.276	0.020	73.972	TRUE	3.51E-17
FVC	MUL1	cg03182908	rs34658642	T	C	0.362	0.051	0.059	8.56E-13	-0.009	0.005	0.056	0.014	51.121	TRUE	4.57E-12
FVC	MUL1	cg09354021	rs10916798	G	T	0.174	0.023	0.385	1.24E-13	0.002	0.003	0.509	0.015	54.916	TRUE	3.05E-13
FVC	MUL1	cg09354021	rs433816	A	G	-0.134	0.024	0.334	4.00E-08	-0.005	0.003	0.042	0.008	30.134	TRUE	1.43E-07
FVC	MUL1	cg09858435	rs595980	T	C	-0.207	0.029	0.193	7.59E-13	0.006	0.003	0.055	0.014	51.359	TRUE	4.17E-12
FVC	MUL1	cg26370078	rs10157351	G	T	0.173	0.024	0.408	5.12E-13	-0.005	0.002	0.043	0.014	52.131	TRUE	3.08E-12
FVC	MUL1	cg26370078	rs1253918	G	T	0.167	0.029	0.228	9.29E-09	-0.011	0.003	2.11E-04	0.009	32.966	TRUE	8.94E-08
FVC	MUL1	cg26370078	rs139259969	T	C	-0.704	0.110	0.030	1.36E-10	0.011	0.008	0.187	0.011	41.194	TRUE	4.09E-10
FVC	MUL1	cg26370078	rs141203102	C	T	-0.759	0.096	0.015	3.54E-15	0.007	0.010	0.484	0.016	61.907	TRUE	9.80E-15
FVC	MUL1	cg26370078	rs16824489	G	A	-0.141	0.025	0.337	1.46E-08	0.006	0.003	0.014	0.009	32.088	TRUE	6.81E-08
FVC	MUL1	cg26370078	rs2641114	A	G	0.306	0.023	0.455	9.28E-40	-0.008	0.002	5.67E-04	0.045	174.035	TRUE	6.55E-37
FVC	MUL1	cg26370078	rs2934358	A	G	0.245	0.023	0.486	1.66E-26	-0.001	0.002	0.724	0.030	113.463	TRUE	7.38E-26
FVC	MUL1	cg26370078	rs3767235	T	C	-1.220	0.032	0.117	<1E-200	0.017	0.004	7.71E-06	0.282	1450.527	TRUE	7.55E-274
FVC	MUL1	cg26370078	rs433816	A	G	0.263	0.025	0.334	1.19E-26	-0.005	0.003	0.042	0.030	114.110	TRUE	2.97E-25
FVC	MUL1	cg26370078	rs4654860	T	C	0.146	0.024	0.398	1.81E-09	-0.008	0.002	0.001	0.010	36.152	TRUE	1.45E-08
FVC	MUL1	cg26370078	rs4704	G	A	0.218	0.024	0.398	3.00E-20	0.005	0.002	0.023	0.022	84.942	TRUE	4.55E-19
FVC	MUL1	cg26370078	rs669410	C	T	-0.166	0.024	0.418	4.38E-12	0.005	0.003	0.038	0.013	47.919	TRUE	2.46E-11
FVC	MUL1	cg26370078	rs7414922	G	T	-0.308	0.023	0.458	2.58E-40	0.001	0.002	0.721	0.046	176.581	TRUE	3.79E-39
FVC	MUL1	cg26370078	rs7535412	G	A	-0.250	0.030	0.193	6.71E-17	0.003	0.003	0.250	0.018	69.718	TRUE	2.93E-16
FVC	MYH14	cg00919509	rs7255564	A	G	0.532	0.080	0.040	3.21E-11	-0.016	0.006	0.011	0.012	44.018	TRUE	2.19E-10
FVC	MYH14	cg02652072	rs584020	A	G	-0.506	0.060	0.043	4.38E-17	-0.004	0.006	0.565	0.019	70.557	TRUE	1.24E-16
FVC	MYH14	cg02652072	rs589028	G	A	-0.518	0.024	0.358	6.84E-107	0.002	0.002	0.341	0.115	482.013	TRUE	9.04E-101
FVC	MYH14	cg02652072	rs67103883	G	A	0.322	0.032	0.162	7.92E-24	-0.002	0.003	0.494	0.027	101.242	TRUE	3.94E-23
FVC	MYH14	cg02652072	rs7259185	A	G	0.147	0.027	0.243	3.21E-08	-0.003	0.003	0.274	0.008	30.561	TRUE	7.13E-08
FVC	MYH14	cg03182113	rs10416029	G	A	-0.463	0.077	0.027	1.63E-09	-0.005	0.007	0.522	0.010	36.356	TRUE	3.02E-09
FVC	MYH14	cg03585888	rs589028	G	A	0.211	0.024	0.358	3.10E-18	0.002	0.002	0.341	0.020	75.782	TRUE	1.31E-17
FVC	MYH14	cg03585888	rs638286	A	G	-0.205	0.032	0.489	2.39E-10	0.003	0.002	0.220	0.011	40.098	TRUE	6.60E-10

FVC	MYH14	cg03585888	rs6509458	A	G	-0.139	0.023	0.474	3.39E-09	-0.002	0.002	0.470	0.009	34.929	TRUE	6.43E-09
FVC	MYH14	cg03585888	rs694354	G	C	-0.293	0.032	0.160	1.65E-19	-0.001	0.003	0.710	0.022	81.574	TRUE	4.55E-19
FVC	MYH14	cg06553312	rs10416029	G	A	-0.765	0.077	0.027	1.67E-23	-0.005	0.007	0.522	0.026	99.770	TRUE	7.84E-23
FVC	MYH14	cg07555272	rs145276601	T	C	-0.474	0.079	0.026	1.61E-09	-0.006	0.007	0.418	0.010	36.382	TRUE	3.31E-09
FVC	MYH14	cg08183141	rs372342456	G	A	-0.683	0.076	0.027	4.42E-19	-0.004	0.007	0.591	0.021	79.630	TRUE	1.39E-18
FVC	MYH14	cg08183141	rs7252676	C	G	-0.297	0.031	0.161	3.49E-21	-0.011	0.003	5.22E-04	0.024	89.193	TRUE	1.74E-19
FVC	MYH14	cg10229905	rs12973089	C	T	-0.182	0.031	0.162	5.13E-09	0.004	0.003	0.245	0.009	34.120	TRUE	1.24E-08
FVC	MYH14	cg10229905	rs142251009	G	T	-1.231	0.082	0.019	2.05E-50	0.001	0.008	0.929	0.057	222.839	TRUE	6.12E-49
FVC	MYH14	cg10229905	rs201622360	A	G	-0.393	0.054	0.068	3.69E-13	0.004	0.005	0.394	0.014	52.770	TRUE	9.93E-13
FVC	MYH14	cg10229905	rs73061154	G	A	-0.387	0.051	0.053	3.64E-14	-0.011	0.005	0.025	0.015	57.324	TRUE	2.90E-13
FVC	MYH14	cg10592766	rs12609315	G	C	0.219	0.034	0.329	1.36E-10	0.004	0.003	0.125	0.011	41.197	TRUE	4.75E-10
FVC	MYH14	cg10639981	rs117650234	A	G	-0.216	0.030	0.187	1.38E-12	0.006	0.003	0.042	0.013	50.183	TRUE	7.91E-12
FVC	MYH14	cg10639981	rs1670721	G	C	0.322	0.037	0.245	4.65E-18	-0.003	0.003	0.210	0.020	74.984	TRUE	2.47E-17
FVC	MYH14	cg10639981	rs630283	G	A	-0.166	0.024	0.471	3.35E-12	0.000	0.002	0.874	0.013	48.448	TRUE	5.33E-12
FVC	MYH14	cg12301087	rs117650234	A	G	-0.176	0.030	0.187	7.35E-09	0.006	0.003	0.042	0.009	33.421	TRUE	2.85E-08
FVC	MYH14	cg12301087	rs1670721	G	C	0.411	0.037	0.245	6.24E-29	-0.003	0.003	0.210	0.033	124.527	TRUE	8.80E-28
FVC	MYH14	cg17889586	rs1078446	A	G	-0.152	0.026	0.297	2.96E-09	0.003	0.003	0.290	0.009	35.189	TRUE	6.82E-09
FVC	MYH14	cg17889586	rs7259185	A	G	0.148	0.027	0.243	3.27E-08	-0.003	0.003	0.274	0.008	30.522	TRUE	7.27E-08
FVC	MYH14	cg22022379	rs1651553	A	G	0.390	0.037	0.245	6.75E-26	-0.003	0.003	0.256	0.029	110.678	TRUE	6.40E-25
FVC	MYH14	cg22022379	rs73070934	T	C	-0.192	0.035	0.322	2.86E-08	0.001	0.003	0.569	0.008	30.781	TRUE	4.74E-08
FVC	MYH14	cg23268322	rs1670721	G	C	0.608	0.036	0.245	3.02E-62	-0.003	0.003	0.210	0.070	277.076	TRUE	2.37E-59
FVC	MYH14	cg23268322	rs2017387	A	G	0.164	0.030	0.206	3.89E-08	0.003	0.003	0.272	0.008	30.189	TRUE	8.52E-08
FVC	MYH14	cg23268322	rs659442	A	G	0.445	0.060	0.043	1.57E-13	-0.003	0.006	0.638	0.015	54.448	TRUE	3.32E-13
FVC	MYH14	cg23268322	rs73070934	T	C	-0.249	0.035	0.322	7.34E-13	0.001	0.003	0.569	0.014	51.424	TRUE	1.58E-12
FVC	MYH14	cg23268322	rs788332	A	C	-0.130	0.024	0.403	4.98E-08	-0.001	0.002	0.739	0.008	29.709	TRUE	7.22E-08
FVC	MYH14	cg25311666	rs561963469	T	A	-0.570	0.078	0.024	3.52E-13	-0.004	0.007	0.548	0.014	52.867	TRUE	7.96E-13
FVC	NACC2	cg00236077	rs7028545	T	C	-0.254	0.023	0.495	1.92E-27	-0.001	0.002	0.682	0.031	117.735	TRUE	9.86E-27
FVC	NACC2	cg00236077	rs72773737	A	T	-1.268	0.062	0.036	1.89E-92	0.005	0.006	0.384	0.101	415.694	TRUE	1.20E-87
FVC	NACC2	cg00648203	rs11792837	A	C	0.229	0.031	0.169	1.04E-13	-0.006	0.003	0.080	0.015	55.251	TRUE	5.50E-13
FVC	NACC2	cg00648203	rs1747842	T	C	0.278	0.051	0.062	3.84E-08	0.002	0.005	0.683	0.008	30.214	TRUE	5.86E-08
FVC	NACC2	cg00648203	rs4842105	A	G	-0.603	0.027	0.233	4.08E-112	0.001	0.003	0.841	0.120	506.010	TRUE	3.49E-106
FVC	NACC2	cg00648203	rs76689007	T	C	-0.466	0.082	0.026	1.47E-08	0.011	0.008	0.162	0.009	32.081	TRUE	3.90E-08
FVC	NACC2	cg01612110	rs11103335	G	C	-0.201	0.035	0.158	1.28E-08	0.002	0.003	0.517	0.009	32.340	TRUE	2.26E-08
FVC	NACC2	cg01612110	rs115848636	G	T	-0.593	0.081	0.027	2.97E-13	0.010	0.008	0.192	0.014	53.198	TRUE	1.11E-12
FVC	NACC2	cg01612110	rs1622817	G	A	-0.155	0.025	0.378	2.91E-10	0.010	0.002	7.91E-05	0.011	39.716	TRUE	4.05E-09
FVC	NACC2	cg01612110	rs1747842	T	C	0.307	0.051	0.062	1.24E-09	0.002	0.005	0.683	0.010	36.880	TRUE	2.05E-09
FVC	NACC2	cg01612110	rs55737177	A	G	0.292	0.031	0.167	5.10E-21	-0.006	0.003	0.083	0.023	88.447	TRUE	5.39E-20
FVC	NACC2	cg01612110	rs79105125	C	T	-0.749	0.026	0.231	5.15E-177	0.001	0.003	0.649	0.179	804.260	TRUE	1.80E-163
FVC	NACC2	cg03587907	rs13284838	A	C	0.153	0.025	0.338	9.90E-10	-0.003	0.003	0.235	0.010	37.325	TRUE	2.59E-09
FVC	NACC2	cg08763846	rs12003954	T	C	0.346	0.062	0.086	2.51E-08	0.001	0.004	0.746	0.008	31.037	TRUE	3.67E-08
FVC	NACC2	cg08763846	rs1717453	T	C	0.523	0.047	0.071	1.85E-28	0.003	0.005	0.497	0.032	122.370	TRUE	1.36E-27
FVC	NACC2	cg13549345	rs10745379	A	G	0.179	0.023	0.423	1.75E-14	0.005	0.002	0.027	0.016	58.760	TRUE	1.38E-13

FVC	NACC2	cg13588388	rs1717451	T	C	0.485	0.048	0.071	2.30E-24	0.003	0.005	0.492	0.027	103.692	TRUE	1.23E-23
FVC	NACC2	cg13588388	rs7034427	C	T	-0.415	0.027	0.237	4.13E-52	0.001	0.003	0.664	0.059	230.607	TRUE	2.44E-50
FVC	NACC2	cg13923277	rs10481731	A	G	-0.246	0.043	0.064	1.20E-08	0.011	0.005	0.015	0.009	32.462	TRUE	5.65E-08
FVC	NACC2	cg13923277	rs11103335	G	C	-0.313	0.035	0.158	6.26E-19	0.002	0.003	0.517	0.021	78.943	TRUE	2.12E-18
FVC	NACC2	cg13923277	rs114514608	A	G	-0.555	0.081	0.024	7.82E-12	0.012	0.008	0.136	0.012	46.785	TRUE	2.92E-11
FVC	NACC2	cg13923277	rs1747872	A	G	0.394	0.069	0.066	1.40E-08	0.005	0.005	0.354	0.009	32.169	TRUE	2.87E-08
FVC	NACC2	cg13923277	rs55737177	A	G	0.211	0.031	0.167	1.13E-11	-0.006	0.003	0.083	0.012	46.069	TRUE	4.90E-11
FVC	NACC2	cg13923277	rs79105125	C	T	-0.890	0.024	0.231	5.23E-299	0.001	0.003	0.649	0.270	1365.226	TRUE	5.35E-265
FVC	NACC2	cg13978542	rs1717423	T	C	-0.187	0.032	0.153	4.06E-09	-0.006	0.003	0.074	0.009	34.575	TRUE	1.41E-08
FVC	NACC2	cg13978542	rs62583484	T	C	0.243	0.026	0.369	2.91E-20	0.003	0.003	0.257	0.022	85.007	TRUE	1.65E-19
FVC	NACC2	cg13979562	rs1717423	T	C	0.232	0.032	0.153	3.74E-13	-0.006	0.003	0.074	0.014	52.749	TRUE	1.91E-12
FVC	NACC2	cg13979562	rs4842101	G	A	-0.552	0.025	0.285	3.11E-104	0.002	0.003	0.529	0.113	469.806	TRUE	1.28E-98
FVC	NACC2	cg14126392	rs11790228	T	A	0.137	0.025	0.339	4.07E-08	-0.003	0.003	0.279	0.008	30.098	TRUE	8.82E-08
FVC	NACC2	cg14147151	rs4842091	G	A	0.364	0.036	0.246	1.58E-23	-0.002	0.003	0.501	0.026	99.875	TRUE	7.77E-23
FVC	NACC2	cg14175330	rs4842091	G	A	0.206	0.036	0.246	1.43E-08	-0.002	0.003	0.501	0.009	32.127	TRUE	2.57E-08
FVC	NACC2	cg14242024	rs4842104	C	T	-0.159	0.026	0.260	1.90E-09	0.001	0.003	0.759	0.010	36.052	TRUE	2.89E-09
FVC	NACC2	cg14253096	rs55987927	T	C	-0.284	0.041	0.094	3.32E-12	0.000	0.004	0.948	0.013	48.465	TRUE	4.95E-12
FVC	NACC2	cg14253096	rs77639581	A	G	0.249	0.037	0.116	2.73E-11	0.002	0.004	0.542	0.012	44.334	TRUE	5.53E-11
FVC	NACC2	cg14350701	rs185043138	G	A	-0.364	0.058	0.044	2.66E-10	0.084	0.151	0.581	0.011	39.887	TRUE	4.92E-10
FVC	NACC2	cg14350701	rs4419885	C	G	-0.293	0.025	0.316	3.55E-32	0.002	0.003	0.457	0.036	139.355	TRUE	3.81E-31
FVC	NACC2	cg14618312	rs4842104	C	T	-0.226	0.027	0.260	3.78E-17	0.001	0.003	0.759	0.019	70.849	TRUE	8.61E-17
FVC	NACC2	cg18768887	rs1717453	T	C	-0.363	0.048	0.071	2.50E-14	0.003	0.005	0.497	0.015	58.058	TRUE	6.44E-14
FVC	NACC2	cg21229179	rs35062806	A	G	0.278	0.035	0.158	4.10E-15	0.002	0.003	0.537	0.016	61.617	TRUE	1.05E-14
FVC	NACC2	cg21229179	rs77190494	A	G	0.542	0.075	0.018	6.34E-13	0.005	0.007	0.479	0.014	51.712	TRUE	1.51E-12
FVC	NACC2	cg21229179	rs79105125	C	T	0.382	0.027	0.231	4.02E-44	0.001	0.003	0.649	0.050	194.009	TRUE	1.01E-42
FVC	NACC2	cg22747092	rs11103328	T	G	-0.321	0.048	0.071	1.86E-11	0.003	0.005	0.492	0.012	45.093	TRUE	4.04E-11
FVC	NCK2	cg01295249	rs10180659	T	C	0.299	0.024	0.358	2.67E-35	0.000	0.003	0.892	0.040	153.633	TRUE	1.88E-34
FVC	NCK2	cg01295249	rs115511870	G	A	-0.883	0.075	0.024	1.14E-31	0.020	0.008	0.009	0.036	137.037	TRUE	9.22E-30
FVC	NCK2	cg01295249	rs116799779	A	G	0.507	0.072	0.031	2.52E-12	-0.013	0.008	0.085	0.013	49.002	TRUE	1.16E-11
FVC	NCK2	cg01295249	rs13025118	A	T	-0.278	0.032	0.150	5.23E-18	0.008	0.003	0.019	0.020	74.753	TRUE	6.65E-17
FVC	NCK2	cg01295249	rs13393585	A	G	0.288	0.030	0.194	1.64E-21	-0.001	0.003	0.652	0.024	90.695	TRUE	5.62E-21
FVC	NCK2	cg01295249	rs17208505	A	C	0.587	0.023	0.425	3.15E-149	-0.007	0.002	0.002	0.155	676.540	TRUE	1.74E-136
FVC	NCK2	cg01295249	rs35674772	A	G	-0.151	0.027	0.253	1.59E-08	0.008	0.003	0.003	0.009	31.919	TRUE	9.56E-08
FVC	NCK2	cg01295249	rs62152231	G	A	0.342	0.058	0.046	3.04E-09	-0.005	0.006	0.381	0.009	35.137	TRUE	6.37E-09
FVC	NCK2	cg01295249	rs72821566	G	A	-0.313	0.048	0.068	6.05E-11	0.015	0.005	0.003	0.011	42.781	TRUE	5.29E-10
FVC	NCK2	cg01295249	rs76248503	C	T	0.204	0.037	0.119	2.39E-08	0.004	0.004	0.284	0.008	31.130	TRUE	5.28E-08
FVC	NCK2	cg01577187	rs12616493	C	T	0.136	0.023	0.448	7.42E-09	0.009	0.002	2.59E-04	0.009	33.404	TRUE	6.78E-08
FVC	NCK2	cg03181966	rs12476157	T	C	0.185	0.023	0.425	2.18E-15	-0.007	0.002	0.003	0.017	62.863	TRUE	3.30E-14
FVC	NCK2	cg09152813	rs1007918	G	T	-0.361	0.066	0.030	4.96E-08	0.027	0.007	4.60E-05	0.008	29.716	TRUE	4.95E-07
FVC	NCK2	cg09152813	rs10196773	G	A	0.317	0.031	0.162	5.39E-24	0.004	0.003	0.209	0.027	102.003	TRUE	4.76E-23
FVC	NCK2	cg09152813	rs1037381	G	A	0.374	0.026	0.292	2.79E-48	-0.003	0.003	0.297	0.054	213.060	TRUE	2.44E-46
FVC	NCK2	cg09152813	rs11124067	G	A	-0.238	0.033	0.392	4.32E-13	0.000	0.003	0.865	0.014	52.465	TRUE	7.14E-13

FVC	NCK2	cg09152813	rs113406649	C	T	-0.256	0.045	0.074	1.68E-08	0.007	0.005	0.128	0.009	31.819	TRUE	4.80E-08
FVC	NCK2	cg09152813	rs114698458	G	C	0.382	0.042	0.085	5.20E-20	0.001	0.004	0.895	0.022	83.856	TRUE	1.22E-19
FVC	NCK2	cg09152813	rs115295484	A	C	-0.402	0.040	0.101	6.58E-24	0.006	0.004	0.149	0.027	101.610	TRUE	6.95E-23
FVC	NCK2	cg09152813	rs116840679	C	G	0.341	0.054	0.038	3.29E-10	-0.012	0.006	0.032	0.011	39.475	TRUE	1.57E-09
FVC	NCK2	cg09152813	rs11684945	A	G	-0.235	0.025	0.322	1.87E-20	0.002	0.003	0.395	0.023	85.874	TRUE	8.75E-20
FVC	NCK2	cg09152813	rs11694417	T	A	0.884	0.019	0.402	<1E-200	-0.009	0.002	2.95E-04	0.361	2087.593	TRUE	<1E-200
FVC	NCK2	cg09152813	rs11896455	A	G	0.448	0.046	0.061	1.14E-22	-0.006	0.005	0.194	0.025	95.961	TRUE	9.41E-22
FVC	NCK2	cg09152813	rs11900943	A	C	0.206	0.026	0.282	5.93E-15	0.001	0.003	0.648	0.016	60.891	TRUE	1.35E-14
FVC	NCK2	cg09152813	rs12712229	A	G	0.351	0.046	0.064	2.39E-14	-0.003	0.005	0.576	0.015	58.149	TRUE	5.62E-14
FVC	NCK2	cg09152813	rs12994562	C	G	0.203	0.033	0.144	4.17E-10	0.005	0.003	0.138	0.010	39.009	TRUE	1.31E-09
FVC	NCK2	cg09152813	rs13025118	A	T	-0.535	0.032	0.150	3.52E-64	0.008	0.003	0.019	0.072	285.942	TRUE	2.01E-60
FVC	NCK2	cg09152813	rs13036199	C	A	-0.295	0.034	0.136	1.16E-17	-0.005	0.004	0.137	0.019	73.176	TRUE	7.19E-17
FVC	NCK2	cg09152813	rs13429800	G	A	0.687	0.022	0.452	8.78E-217	0.000	0.002	0.907	0.211	987.094	TRUE	6.96E-198
FVC	NCK2	cg09152813	rs145456368	A	G	-0.641	0.062	0.038	2.48E-25	-0.010	0.006	0.120	0.028	108.098	TRUE	3.29E-24
FVC	NCK2	cg09152813	rs147670809	T	C	0.614	0.058	0.045	4.11E-26	-0.003	0.006	0.564	0.029	111.661	TRUE	2.25E-25
FVC	NCK2	cg09152813	rs148335434	T	G	-0.711	0.077	0.024	1.71E-20	0.021	0.008	0.007	0.023	86.052	TRUE	3.92E-19
FVC	NCK2	cg09152813	rs1615827	C	T	-0.167	0.024	0.400	4.50E-12	0.002	0.002	0.484	0.013	47.867	TRUE	1.02E-11
FVC	NCK2	cg09152813	rs17031183	C	A	-0.211	0.023	0.497	1.44E-19	0.002	0.002	0.377	0.022	81.837	TRUE	6.27E-19
FVC	NCK2	cg09152813	rs17031461	C	T	-0.502	0.071	0.024	2.17E-12	-0.009	0.008	0.260	0.013	49.293	TRUE	6.69E-12
FVC	NCK2	cg09152813	rs17031770	A	G	-0.787	0.035	0.124	8.73E-111	-0.006	0.004	0.120	0.119	499.899	TRUE	8.67E-104
FVC	NCK2	cg09152813	rs186074463	G	A	0.572	0.072	0.023	2.23E-15	-0.012	0.007	0.078	0.017	62.813	TRUE	1.40E-14
FVC	NCK2	cg09152813	rs35674772	A	G	-0.394	0.026	0.253	1.90E-50	0.008	0.003	0.003	0.057	222.991	TRUE	3.03E-47
FVC	NCK2	cg09152813	rs4281921	T	C	0.335	0.026	0.270	1.27E-37	-0.006	0.003	0.033	0.043	164.267	TRUE	1.27E-35
FVC	NCK2	cg09152813	rs55704707	A	G	0.327	0.030	0.183	8.30E-27	-0.007	0.003	0.034	0.030	114.834	TRUE	2.39E-25
FVC	NCK2	cg09152813	rs72819712	C	T	-0.400	0.062	0.072	1.08E-10	0.013	0.005	0.003	0.011	41.654	TRUE	8.74E-10
FVC	NCK2	cg09152813	rs72821582	T	C	-0.546	0.046	0.071	7.84E-33	0.012	0.005	0.010	0.037	142.350	TRUE	7.26E-31
FVC	NCK2	cg09152813	rs72825197	T	C	0.648	0.084	0.023	1.15E-14	-0.007	0.008	0.355	0.016	59.593	TRUE	3.60E-14
FVC	NCK2	cg09152813	rs7561017	C	T	-0.202	0.025	0.325	1.09E-15	-0.001	0.003	0.595	0.017	64.229	TRUE	2.71E-15
FVC	NCK2	cg09152813	rs77416125	T	C	0.312	0.050	0.060	6.46E-10	-0.004	0.005	0.428	0.010	38.157	TRUE	1.34E-09
FVC	NCK2	cg10808560	rs3769500	A	G	0.200	0.026	0.253	1.59E-14	-0.005	0.003	0.070	0.016	58.953	TRUE	9.48E-14
FVC	NCK2	cg11752152	rs17031793	T	C	0.208	0.032	0.156	1.56E-10	-0.006	0.003	0.066	0.011	40.935	TRUE	6.42E-10
FVC	NCK2	cg11752152	rs4851092	G	A	-0.241	0.029	0.184	1.48E-16	-0.003	0.003	0.373	0.018	68.163	TRUE	5.23E-16
FVC	NCK2	cg13660477	rs4851867	T	C	0.140	0.023	0.414	1.72E-09	-0.009	0.002	1.86E-04	0.010	36.243	TRUE	1.83E-08
FVC	NCK2	cg13704531	rs10180659	T	C	-0.146	0.024	0.358	1.06E-09	0.000	0.003	0.892	0.010	37.189	TRUE	1.47E-09
FVC	NCK2	cg13704531	rs12476157	T	C	-0.350	0.023	0.425	4.22E-53	-0.007	0.002	0.003	0.060	235.146	TRUE	1.06E-49
FVC	NCK2	cg13704531	rs62152231	G	A	-0.313	0.057	0.046	3.98E-08	-0.005	0.006	0.381	0.008	30.142	TRUE	7.74E-08
FVC	NCK2	cg13704531	rs6723369	A	G	0.213	0.030	0.176	8.66E-13	0.004	0.003	0.208	0.014	51.098	TRUE	3.00E-12
FVC	NCK2	cg14131038	rs10193236	C	T	-0.144	0.024	0.407	2.23E-09	-0.006	0.002	0.021	0.010	35.743	TRUE	1.06E-08
FVC	NCK2	cg14131038	rs114331152	C	T	-0.378	0.056	0.046	2.00E-11	0.005	0.006	0.418	0.012	44.951	TRUE	4.63E-11
FVC	NCK2	cg14131038	rs115895042	G	A	0.277	0.042	0.087	3.65E-11	0.006	0.004	0.141	0.012	43.769	TRUE	1.27E-10
FVC	NCK2	cg14131038	rs12992944	T	G	0.422	0.024	0.369	1.11E-68	0.009	0.002	3.86E-04	0.077	306.594	TRUE	1.01E-63
FVC	NCK2	cg14131038	rs4851074	A	G	-0.186	0.024	0.413	3.74E-15	-0.006	0.002	0.017	0.016	61.798	TRUE	3.59E-14

FVC	NCK2	cg14131038	rs57567085	C	G	-0.759	0.041	0.085	4.71E-76	-0.007	0.004	0.114	0.084	340.420	TRUE	5.61E-72
FVC	NCK2	cg14131038	rs62146634	A	C	-0.205	0.026	0.285	4.04E-15	-0.001	0.003	0.859	0.016	61.647	TRUE	7.57E-15
FVC	NCK2	cg14131038	rs62154066	A	G	0.409	0.058	0.045	1.39E-12	-0.004	0.006	0.496	0.013	50.168	TRUE	3.21E-12
FVC	NCK2	cg14131038	rs6734644	A	G	-0.208	0.027	0.257	8.77E-15	-0.006	0.003	0.031	0.016	60.123	TRUE	6.66E-14
FVC	NCK2	cg14131038	rs72823399	G	A	-0.274	0.049	0.058	1.72E-08	-0.004	0.005	0.454	0.009	31.765	TRUE	3.19E-08
FVC	NCK2	cg14131038	rs7581139	G	A	0.160	0.024	0.451	1.67E-11	-0.002	0.002	0.306	0.012	45.300	TRUE	4.41E-11
FVC	NCK2	cg14210321	rs10490697	G	A	-0.206	0.034	0.137	2.37E-09	-0.006	0.004	0.117	0.010	35.622	TRUE	7.45E-09
FVC	NCK2	cg14210321	rs114545687	G	A	-0.426	0.075	0.024	1.61E-08	0.015	0.007	0.036	0.009	31.896	TRUE	6.27E-08
FVC	NCK2	cg14210321	rs115295484	A	C	-0.258	0.040	0.101	1.13E-10	0.006	0.004	0.149	0.011	41.557	TRUE	3.71E-10
FVC	NCK2	cg14210321	rs116406494	A	G	-0.554	0.094	0.014	4.43E-09	-0.008	0.009	0.360	0.009	34.408	TRUE	9.41E-09
FVC	NCK2	cg14210321	rs11687998	T	C	0.230	0.030	0.188	1.93E-14	-0.007	0.003	0.013	0.016	58.567	TRUE	1.83E-13
FVC	NCK2	cg14210321	rs13025485	G	A	-0.212	0.025	0.329	8.17E-18	0.004	0.003	0.089	0.020	73.871	TRUE	6.00E-17
FVC	NCK2	cg14210321	rs35048252	T	C	0.298	0.026	0.265	4.73E-30	-0.002	0.003	0.397	0.034	129.644	TRUE	4.79E-29
FVC	NCK2	cg14210321	rs35677272	T	C	-0.658	0.023	0.354	1.60E-176	0.006	0.003	0.020	0.178	802.001	TRUE	5.97E-161
FVC	NCK2	cg14210321	rs4851092	G	A	0.302	0.029	0.184	1.38E-24	-0.003	0.003	0.373	0.028	104.705	TRUE	9.13E-24
FVC	NCK2	cg14210321	rs62148194	T	C	0.255	0.045	0.067	1.64E-08	-0.005	0.005	0.244	0.009	31.866	TRUE	3.84E-08
FVC	NCK2	cg14210321	rs6728842	G	T	-0.289	0.036	0.118	1.25E-15	0.008	0.004	0.033	0.017	63.949	TRUE	1.06E-14
FVC	NCK2	cg14210321	rs6755914	G	A	0.245	0.033	0.182	2.07E-13	0.002	0.003	0.533	0.014	53.906	TRUE	4.86E-13
FVC	NCK2	cg14210321	rs7602845	G	T	0.165	0.027	0.242	1.35E-09	-0.004	0.003	0.113	0.010	36.723	TRUE	4.39E-09
FVC	NCK2	cg16077055	rs10445869	C	G	0.264	0.047	0.068	2.65E-08	0.014	0.005	0.003	0.008	30.934	TRUE	1.58E-07
FVC	NCK2	cg16077055	rs114142149	T	G	0.387	0.048	0.064	5.00E-16	0.008	0.005	0.121	0.017	65.760	TRUE	2.77E-15
FVC	NCK2	cg16077055	rs115295484	A	C	0.343	0.040	0.101	8.87E-18	0.006	0.004	0.149	0.020	73.710	TRUE	5.37E-17
FVC	NCK2	cg16077055	rs116098659	T	C	-0.298	0.052	0.050	1.35E-08	-0.007	0.005	0.203	0.009	32.246	TRUE	3.39E-08
FVC	NCK2	cg16077055	rs12053259	A	G	0.747	0.021	0.363	6.72E-269	0.005	0.003	0.047	0.249	1226.750	TRUE	1.28E-238
FVC	NCK2	cg16077055	rs1963915	A	G	0.165	0.029	0.207	1.08E-08	-0.006	0.003	0.052	0.009	32.672	TRUE	3.89E-08
FVC	NCK2	cg16077055	rs2567195	G	A	-0.167	0.025	0.312	4.76E-11	0.006	0.003	0.020	0.012	43.252	TRUE	2.84E-10
FVC	NCK2	cg16077055	rs336495	G	A	-0.336	0.047	0.071	5.24E-13	0.007	0.005	0.118	0.014	52.086	TRUE	2.31E-12
FVC	NCK2	cg16077055	rs336500	T	C	-0.263	0.024	0.353	2.73E-27	-0.001	0.003	0.741	0.031	117.033	TRUE	1.26E-26
FVC	NCK2	cg16077055	rs4851805	G	A	-0.143	0.024	0.452	1.65E-09	0.003	0.002	0.272	0.010	36.324	TRUE	3.98E-09
FVC	NCK2	cg16077055	rs4851823	C	T	-0.171	0.030	0.197	8.53E-09	-0.003	0.003	0.411	0.009	33.133	TRUE	1.69E-08
FVC	NCK2	cg16077055	rs58195928	T	G	-0.366	0.037	0.119	6.01E-23	-0.001	0.004	0.739	0.026	97.231	TRUE	2.04E-22
FVC	NCK2	cg16077055	rs6755914	G	A	-0.235	0.033	0.182	1.84E-12	0.002	0.003	0.533	0.013	49.616	TRUE	4.08E-12
FVC	NCK2	cg16077055	rs72931623	C	T	0.350	0.036	0.119	3.24E-22	0.008	0.004	0.030	0.025	93.897	TRUE	5.64E-21
FVC	NCK2	cg16077055	rs7595024	A	G	-0.622	0.031	0.161	4.53E-90	-0.001	0.003	0.840	0.099	404.766	TRUE	4.99E-86
FVC	NCK2	cg16077055	rs78158772	G	A	-0.302	0.047	0.191	1.16E-10	0.001	0.003	0.693	0.011	41.510	TRUE	1.99E-10
FVC	NCK2	cg16077055	rs997136	T	C	-0.287	0.024	0.357	4.47E-32	-0.002	0.002	0.358	0.036	138.896	TRUE	5.86E-31
FVC	NCK2	cg17501982	rs12475901	A	G	0.236	0.028	0.213	4.43E-17	-0.006	0.003	0.052	0.019	70.536	TRUE	3.81E-16
FVC	NCK2	cg17501982	rs2047699	T	C	-0.275	0.034	0.147	2.46E-16	-0.002	0.003	0.653	0.018	67.161	TRUE	6.04E-16
FVC	NCK2	cg21101995	rs4851841	A	G	-0.157	0.024	0.401	1.05E-10	-0.009	0.002	1.60E-04	0.011	41.705	TRUE	1.43E-09
FVC	NCK2	cg21551182	rs10496402	G	A	-0.359	0.042	0.085	9.00E-18	-0.007	0.004	0.091	0.020	73.680	TRUE	6.56E-17
FVC	NCK2	cg21551182	rs62152231	G	A	0.481	0.058	0.046	6.66E-17	-0.005	0.006	0.381	0.019	69.734	TRUE	2.37E-16
FVC	NCK2	cg21551182	rs6707820	T	C	-0.280	0.037	0.122	3.27E-14	-0.002	0.004	0.598	0.015	57.535	TRUE	7.46E-14

FVC	NCK2	cg21551182	rs72823386	A	G	0.275	0.041	0.093	1.55E-11	-0.005	0.004	0.233	0.012	45.440	TRUE	4.70E-11
FVC	NCK2	cg21551182	rs7602442	C	T	-0.454	0.023	0.412	3.38E-86	0.006	0.002	0.010	0.095	386.982	TRUE	1.54E-80
FVC	NCK2	cg22687475	rs6752445	T	G	0.247	0.039	0.100	2.77E-10	0.004	0.004	0.323	0.011	39.812	TRUE	6.70E-10
FVC	NCK2	cg22765178	rs11691468	T	A	-0.170	0.024	0.360	2.32E-12	0.010	0.007	0.144	0.013	49.165	TRUE	8.86E-12
FVC	NCK2	cg22765178	rs4851844	A	C	-0.374	0.024	0.414	1.73E-56	-0.006	0.002	0.011	0.063	250.672	TRUE	4.02E-53
FVC	NCK2	cg22765178	rs72823386	A	G	0.333	0.041	0.093	2.36E-16	-0.005	0.004	0.233	0.018	67.243	TRUE	1.04E-15
FVC	NCK2	cg25961567	rs2047699	T	C	-0.197	0.034	0.147	3.95E-09	-0.002	0.003	0.653	0.009	34.630	TRUE	6.46E-09
FVC	NCK2	cg25961567	rs6543337	G	C	0.238	0.030	0.192	1.92E-15	-0.007	0.003	0.022	0.017	63.116	TRUE	1.85E-14
FVC	NCK2	cg26377276	rs17208218	T	C	0.146	0.023	0.423	2.37E-10	-0.008	0.002	0.002	0.011	40.116	TRUE	2.06E-09
FVC	NEU1	cg00397479	rs9268158	T	C	-0.290	0.034	0.128	4.12E-17	-0.015	0.004	1.71E-05	0.019	70.680	TRUE	2.27E-15
FVC	NEU1	cg00397479	rs9276569	T	C	-0.135	0.023	0.479	4.28E-09	0.005	0.002	0.034	0.009	34.475	TRUE	1.79E-08
FVC	NEU1	cg13634177	rs3130455	T	A	-0.155	0.027	0.255	6.86E-09	-0.015	0.003	1.30E-07	0.009	33.556	TRUE	1.49E-07
FVC	NEU1	cg21116447	rs56280220	C	G	0.849	0.103	0.013	1.44E-16	-0.055	0.011	4.23E-07	0.018	68.210	TRUE	1.26E-14
FVC	NEU1	cg25560247	rs385306	A	G	-0.207	0.029	0.217	6.44E-13	0.006	0.003	0.055	0.014	51.680	TRUE	3.48E-12
FVC	NEU1	cg27645345	rs116312062	G	T	-0.197	0.034	0.137	6.22E-09	-0.013	0.004	5.52E-04	0.009	33.747	TRUE	5.20E-08
FVC	NFATC4	cg00462311	rs12050389	A	G	0.166	0.029	0.210	6.22E-09	-0.004	0.003	0.147	0.009	33.747	TRUE	1.76E-08
FVC	NFATC4	cg01233722	rs56082702	A	C	-0.265	0.042	0.085	2.62E-10	-0.002	0.004	0.575	0.011	39.917	TRUE	4.86E-10
FVC	NFATC4	cg01658259	rs10146996	G	C	-0.267	0.037	0.116	4.46E-13	0.002	0.004	0.616	0.014	52.401	TRUE	9.25E-13
FVC	NFATC4	cg01658259	rs11845606	G	C	0.262	0.048	0.060	4.04E-08	-0.014	0.005	0.006	0.008	30.113	TRUE	2.12E-07
FVC	NFATC4	cg01658259	rs140708216	A	G	0.652	0.080	0.025	4.65E-16	-0.017	0.009	0.053	0.018	65.903	TRUE	3.55E-15
FVC	NFATC4	cg01658259	rs28365903	G	C	0.812	0.029	0.180	1.32E-172	-0.006	0.003	0.059	0.175	783.996	TRUE	4.49E-158
FVC	NFATC4	cg01658259	rs4575	C	T	0.142	0.025	0.305	2.59E-08	0.000	0.003	0.880	0.008	30.979	TRUE	3.45E-08
FVC	NFATC4	cg01658259	rs6573778	T	C	-0.224	0.023	0.475	1.07E-21	0.003	0.002	0.251	0.024	91.525	TRUE	6.90E-21
FVC	NFATC4	cg04267345	rs2228233	T	C	-0.149	0.026	0.284	9.57E-09	-0.003	0.003	0.275	0.009	32.909	TRUE	2.17E-08
FVC	NFATC4	cg04267345	rs2332326	G	C	-0.443	0.037	0.113	2.97E-33	0.014	0.004	1.58E-04	0.038	144.276	TRUE	1.04E-30
FVC	NFATC4	cg06993714	rs2332326	G	C	-0.695	0.036	0.113	3.02E-81	0.014	0.004	1.58E-04	0.090	364.254	TRUE	4.04E-75
FVC	NFATC4	cg06993714	rs3212254	T	G	-0.400	0.050	0.052	1.51E-15	-0.003	0.005	0.629	0.017	63.582	TRUE	3.64E-15
FVC	NFATC4	cg06993714	rs41295318	T	C	-0.511	0.064	0.044	1.76E-15	0.024	0.006	5.37E-05	0.017	63.287	TRUE	6.10E-14
FVC	NFATC4	cg06993714	rs72694396	C	T	-0.331	0.056	0.118	3.96E-09	0.004	0.004	0.325	0.009	34.622	TRUE	8.85E-09
FVC	NFATC4	cg06993714	rs75335478	G	A	-0.678	0.104	0.012	6.53E-11	-0.003	0.010	0.787	0.011	42.630	TRUE	1.05E-10
FVC	NFATC4	cg06993714	rs8003102	C	T	0.272	0.029	0.213	2.43E-21	-0.006	0.003	0.047	0.024	89.912	TRUE	3.32E-20
FVC	NFATC4	cg07162820	rs10151147	T	C	-0.412	0.046	0.070	2.17E-19	0.007	0.005	0.145	0.021	81.033	TRUE	1.54E-18
FVC	NFATC4	cg07162820	rs12431836	A	G	1.011	0.026	0.188	<1E-200	-0.006	0.003	0.058	0.289	1506.617	TRUE	3.34E-287
FVC	NFATC4	cg07162820	rs13841	G	A	0.222	0.039	0.350	8.34E-09	0.002	0.003	0.486	0.009	33.177	TRUE	1.56E-08
FVC	NFATC4	cg07162820	rs140708216	A	G	0.840	0.080	0.025	9.88E-26	-0.017	0.009	0.053	0.029	109.923	TRUE	2.03E-24
FVC	NFATC4	cg07162820	rs142604986	T	C	0.501	0.076	0.026	3.53E-11	-0.020	0.007	0.006	0.012	43.833	TRUE	2.73E-10
FVC	NFATC4	cg07162820	rs3181382	T	G	-0.385	0.066	0.031	5.76E-09	-0.003	0.006	0.650	0.009	33.897	TRUE	9.33E-09
FVC	NFATC4	cg07162820	rs36113166	A	G	0.143	0.025	0.354	7.69E-09	0.001	0.003	0.635	0.009	33.333	TRUE	1.26E-08
FVC	NFATC4	cg07162820	rs36226649	C	T	-0.310	0.048	0.061	1.07E-10	0.020	0.005	1.65E-05	0.011	41.664	TRUE	1.96E-09
FVC	NFATC4	cg07162820	rs3891905	G	A	0.182	0.023	0.475	6.84E-15	-0.005	0.002	0.020	0.016	60.611	TRUE	6.24E-14
FVC	NFATC4	cg07162820	rs4537942	T	C	0.467	0.083	0.053	1.69E-08	0.004	0.005	0.466	0.009	31.803	TRUE	3.11E-08
FVC	NFATC4	cg07162820	rs45578038	A	G	0.957	0.172	0.011	2.76E-08	-0.012	0.009	0.153	0.008	30.850	TRUE	7.30E-08

FVC	NFATC4	cg07162820	rs4981494	G	A	-0.178	0.025	0.313	1.73E-12	0.003	0.003	0.171	0.013	49.747	TRUE	6.24E-12
FVC	NFATC4	cg07162820	rs6573778	T	C	-0.296	0.023	0.475	9.44E-37	0.003	0.002	0.251	0.042	160.274	TRUE	2.51E-35
FVC	NFATC4	cg07162820	rs8010715	C	T	0.180	0.026	0.267	9.23E-12	0.000	0.003	0.990	0.012	46.460	TRUE	1.29E-11
FVC	NFATC4	cg07548372	rs113678538	T	C	-0.584	0.078	0.025	5.21E-14	-0.009	0.007	0.216	0.015	56.620	TRUE	1.95E-13
FVC	NFATC4	cg07548372	rs8008583	T	C	-0.267	0.028	0.220	1.77E-21	0.000	0.003	0.927	0.024	90.540	TRUE	4.43E-21
FVC	NFATC4	cg10974463	rs8003102	C	T	-0.264	0.029	0.213	4.13E-20	-0.006	0.003	0.047	0.022	84.310	TRUE	4.97E-19
FVC	NFATC4	cg13536265	rs140708216	A	G	0.567	0.080	0.025	1.81E-12	-0.017	0.009	0.053	0.013	49.658	TRUE	9.62E-12
FVC	NFATC4	cg13536265	rs34657109	C	T	0.156	0.023	0.482	2.23E-11	-0.004	0.002	0.073	0.012	44.737	TRUE	9.88E-11
FVC	NFATC4	cg13536265	rs8003102	C	T	0.566	0.028	0.213	1.66E-90	-0.006	0.003	0.047	0.099	406.765	TRUE	5.99E-85
FVC	NFATC4	cg14058476	rs2332326	G	C	-0.375	0.037	0.113	3.06E-24	0.014	0.004	1.58E-04	0.027	103.126	TRUE	2.92E-22
FVC	NFATC4	cg14058476	rs8003102	C	T	0.166	0.029	0.213	6.44E-09	-0.006	0.003	0.047	0.009	33.679	TRUE	2.46E-08
FVC	NFATC4	cg20941956	rs10150368	A	G	0.425	0.076	0.026	2.45E-08	-0.012	0.007	0.103	0.008	31.081	TRUE	7.26E-08
FVC	NFATC4	cg20941956	rs140708216	A	G	0.650	0.080	0.025	5.00E-16	-0.017	0.009	0.053	0.017	65.759	TRUE	3.80E-15
FVC	NFATC4	cg20941956	rs142604986	T	C	0.419	0.076	0.026	2.94E-08	-0.020	0.007	0.006	0.008	30.729	TRUE	1.55E-07
FVC	NFATC4	cg20941956	rs4981494	G	A	-0.146	0.025	0.313	6.68E-09	0.003	0.003	0.171	0.009	33.607	TRUE	1.79E-08
FVC	NFATC4	cg20941956	rs61998493	G	A	0.249	0.024	0.386	2.90E-25	0.001	0.002	0.845	0.028	107.792	TRUE	1.03E-24
FVC	NFATC4	cg20941956	rs78055917	A	G	0.430	0.069	0.029	6.28E-10	-0.009	0.007	0.173	0.010	38.213	TRUE	1.83E-09
FVC	NFATC4	cg20941956	rs8003102	C	T	0.676	0.028	0.213	4.91E-132	-0.006	0.003	0.047	0.139	597.527	TRUE	2.21E-122
FVC	NFATC4	cg20941956	rs8010715	C	T	0.154	0.026	0.267	5.16E-09	0.000	0.003	0.990	0.009	34.110	TRUE	6.48E-09
FVC	NFATC4	cg20941956	rs8017377	A	G	-0.158	0.023	0.468	1.14E-11	0.001	0.002	0.703	0.012	46.039	TRUE	2.06E-11
FVC	NFATC4	cg20941956	rs954134	G	A	-0.227	0.036	0.123	1.86E-10	0.008	0.004	0.029	0.011	40.587	TRUE	9.44E-10
FVC	NFATC4	cg26158983	rs2332326	G	C	0.446	0.036	0.113	1.90E-34	0.014	0.004	1.58E-04	0.039	149.736	TRUE	7.90E-32
FVC	NFATC4	cg26705574	rs7148384	T	C	0.267	0.030	0.189	5.73E-19	-0.006	0.003	0.047	0.021	79.115	TRUE	6.13E-18
FVC	NKX3	cg01543179	rs13264763	T	C	0.200	0.037	0.135	4.91E-08	0.009	0.003	0.007	0.008	29.737	TRUE	2.48E-07
FVC	NKX3	cg01543179	rs142463603	A	C	0.238	0.026	0.414	1.97E-20	0.005	0.002	0.029	0.023	85.770	TRUE	2.84E-19
FVC	NKX3	cg06696292	rs10503734	C	T	-0.455	0.041	0.106	3.51E-29	0.013	0.004	5.01E-04	0.033	125.667	TRUE	5.39E-27
FVC	NKX3	cg13609723	rs4872174	C	T	-0.155	0.027	0.321	1.39E-08	-0.001	0.003	0.644	0.009	32.181	TRUE	2.25E-08
FVC	NKX3	cg18502021	rs77096235	G	A	-0.143	0.026	0.460	2.52E-08	0.004	0.002	0.111	0.008	31.030	TRUE	7.25E-08
FVC	NKX3	cg21428681	rs34201031	A	G	0.378	0.036	0.136	1.92E-25	0.009	0.003	0.008	0.029	108.613	TRUE	7.94E-24
FVC	NLRC4	cg14625450	rs212756	A	G	0.288	0.023	0.442	4.44E-36	0.001	0.002	0.656	0.041	157.198	TRUE	4.75E-35
FVC	NLRC4	cg14625450	rs438408	G	A	0.147	0.024	0.329	2.17E-09	-0.004	0.003	0.093	0.010	35.793	TRUE	7.18E-09
FVC	NLRC4	cg22713339	rs138116467	T	C	-1.570	0.115	0.011	2.08E-42	-0.024	0.009	0.009	0.048	186.165	TRUE	6.78E-40
FVC	NOS3	cg00571021	rs112748368	A	T	-0.184	0.028	0.218	4.27E-11	0.047	0.044	0.285	0.012	43.462	TRUE	1.15E-10
FVC	NOS3	cg00571021	rs148743489	A	G	-0.387	0.069	0.033	2.40E-08	0.006	0.007	0.379	0.008	31.120	TRUE	4.75E-08
FVC	NOS3	cg00571021	rs1808593	G	T	-0.466	0.026	0.250	9.15E-70	-0.003	0.003	0.253	0.078	311.567	TRUE	1.87E-66
FVC	NOS3	cg00571021	rs748693	G	A	0.162	0.024	0.360	2.16E-11	-0.007	0.003	0.003	0.012	44.792	TRUE	1.91E-10
FVC	NOS3	cg00700487	rs2853795	G	A	0.307	0.031	0.172	2.24E-23	0.001	0.003	0.732	0.026	99.180	TRUE	8.03E-23
FVC	NOS3	cg00700487	rs743506	G	A	-0.379	0.027	0.256	2.60E-46	-0.003	0.003	0.286	0.052	204.037	TRUE	1.89E-44
FVC	NOS3	cg03469471	rs743506	G	A	-0.190	0.027	0.256	1.36E-12	-0.003	0.003	0.286	0.013	50.212	TRUE	4.09E-12
FVC	NOS3	cg07795016	rs1808593	G	T	-0.189	0.027	0.250	1.68E-12	-0.003	0.003	0.253	0.013	49.802	TRUE	5.27E-12
FVC	NOS3	cg07841866	rs2256314	G	A	-0.416	0.027	0.251	1.99E-55	-0.003	0.003	0.264	0.062	245.806	TRUE	5.09E-53
FVC	NOS3	cg07841866	rs2853795	G	A	0.240	0.031	0.172	7.35E-15	0.001	0.003	0.732	0.016	60.469	TRUE	1.54E-14

FVC	NOS3	cg07841866	rs57756713	T	G	0.176	0.024	0.447	1.02E-13	0.001	0.002	0.585	0.015	55.304	TRUE	2.28E-13
FVC	NOS3	cg10501602	rs2566511	T	C	0.309	0.027	0.245	3.52E-30	0.002	0.003	0.404	0.034	130.233	TRUE	3.49E-29
FVC	NOS3	cg10501602	rs34459590	C	G	0.141	0.026	0.303	4.62E-08	0.001	0.003	0.607	0.008	29.852	TRUE	7.34E-08
FVC	NOS3	cg10501602	rs753482	C	A	-0.269	0.028	0.212	3.35E-21	-0.003	0.003	0.344	0.024	89.277	TRUE	1.79E-20
FVC	NOS3	cg10501602	rs917807	T	G	0.188	0.028	0.209	3.56E-11	-0.003	0.003	0.258	0.012	43.816	TRUE	1.00E-10
FVC	NOS3	cg12547085	rs3918226	T	C	0.331	0.044	0.079	4.18E-14	-0.005	0.004	0.238	0.015	57.051	TRUE	1.52E-13
FVC	NOS3	cg19475224	rs138595199	A	G	-1.599	0.136	0.014	4.43E-32	-0.003	0.011	0.795	0.036	138.912	TRUE	2.78E-31
FVC	NOS3	cg20498962	rs2566514	G	C	0.176	0.027	0.252	6.33E-11	0.002	0.003	0.395	0.011	42.693	TRUE	1.47E-10
FVC	NOS3	cg20498962	rs753482	C	A	-0.164	0.029	0.212	8.99E-09	-0.003	0.003	0.344	0.009	33.030	TRUE	1.92E-08
FVC	NOS3	cg21901847	rs11762978	G	A	-0.210	0.025	0.325	2.07E-17	0.006	0.003	0.022	0.019	72.041	TRUE	2.36E-16
FVC	NOS3	cg21901847	rs11769158	A	G	0.287	0.036	0.121	2.64E-15	0.003	0.004	0.378	0.017	62.483	TRUE	8.48E-15
FVC	NOS3	cg21901847	rs11971392	T	C	-0.299	0.026	0.298	1.85E-31	0.001	0.003	0.603	0.035	136.081	TRUE	1.44E-30
FVC	NOS3	cg21901847	rs12155241	T	C	0.151	0.028	0.231	4.07E-08	0.003	0.003	0.301	0.008	30.100	TRUE	8.61E-08
FVC	NOS3	cg21901847	rs2373927	C	A	0.145	0.025	0.341	4.32E-09	-0.004	0.003	0.095	0.009	34.455	TRUE	1.41E-08
FVC	NOS3	cg21901847	rs34074336	A	G	0.176	0.026	0.286	2.74E-11	-0.005	0.003	0.085	0.012	44.332	TRUE	1.13E-10
FVC	NOS3	cg21901847	rs3918182	A	G	0.140	0.025	0.369	1.21E-08	-0.005	0.003	0.040	0.009	32.451	TRUE	4.60E-08
FVC	NOS3	cg21901847	rs3918226	T	C	0.255	0.044	0.079	6.05E-09	-0.005	0.004	0.238	0.009	33.801	TRUE	1.47E-08
FVC	NOS3	cg21901847	rs41311015	T	C	-0.516	0.092	0.019	2.06E-08	-0.006	0.009	0.501	0.008	31.417	TRUE	3.66E-08
FVC	NOS3	cg21901847	rs41313071	A	C	-0.392	0.058	0.034	1.63E-11	-0.002	0.006	0.796	0.012	45.342	TRUE	2.68E-11
FVC	NOS3	cg21901847	rs4148853	A	G	-0.269	0.031	0.174	4.40E-18	0.002	0.003	0.454	0.020	75.092	TRUE	1.53E-17
FVC	NOS3	cg21901847	rs55908531	C	T	0.236	0.042	0.081	2.38E-08	0.009	0.004	0.035	0.008	31.141	TRUE	9.14E-08
FVC	NOS3	cg21901847	rs891511	A	G	-0.656	0.024	0.323	2.93E-167	0.003	0.003	0.220	0.170	759.412	TRUE	3.45E-154
FVC	NOS3	cg21932452	rs11769256	T	C	-0.187	0.029	0.192	1.80E-10	-0.008	0.003	0.007	0.011	40.648	TRUE	1.26E-09
FVC	NOS3	cg21932452	rs310594	A	C	0.396	0.062	0.042	1.62E-10	0.000	0.006	0.953	0.011	40.860	TRUE	2.22E-10
FVC	NOS3	cg21932452	rs3793341	G	A	0.362	0.032	0.149	1.51E-29	0.004	0.003	0.191	0.033	127.348	TRUE	2.44E-28
FVC	NOS3	cg21932452	rs3918176	T	C	-0.302	0.024	0.365	2.52E-35	-0.005	0.003	0.045	0.040	153.751	TRUE	1.60E-33
FVC	NOS3	cg24032393	rs10893	G	A	0.209	0.025	0.312	2.38E-16	0.002	0.003	0.431	0.018	67.223	TRUE	7.68E-16
FVC	NOS3	cg24032393	rs11769256	T	C	0.174	0.029	0.192	3.45E-09	-0.008	0.003	0.007	0.009	34.893	TRUE	2.04E-08
FVC	NOS3	cg24032393	rs12703107	T	G	0.236	0.028	0.238	1.55E-17	0.007	0.003	0.018	0.019	72.609	TRUE	1.85E-16
FVC	NOS3	cg24032393	rs144527061	A	G	0.276	0.043	0.080	9.39E-11	0.009	0.004	0.035	0.011	41.922	TRUE	4.71E-10
FVC	NOS3	cg24032393	rs148743489	A	G	-0.532	0.069	0.033	1.43E-14	0.006	0.007	0.379	0.016	59.160	TRUE	4.32E-14
FVC	NOS3	cg24032393	rs2192051	C	A	0.173	0.026	0.293	2.09E-11	0.005	0.003	0.045	0.012	44.857	TRUE	1.04E-10
FVC	NOS3	cg24032393	rs2373924	C	T	-0.311	0.040	0.100	6.08E-15	-0.013	0.004	8.92E-04	0.016	60.843	TRUE	1.16E-13
FVC	NOS3	cg24032393	rs2566511	T	C	0.215	0.027	0.245	3.35E-15	0.002	0.003	0.404	0.016	62.019	TRUE	1.01E-14
FVC	NOS3	cg24032393	rs4725386	T	C	-0.214	0.027	0.253	7.13E-16	0.000	0.003	0.896	0.017	65.063	TRUE	1.34E-15
FVC	NOS3	cg24032393	rs741068	T	C	0.136	0.024	0.347	2.71E-08	-0.006	0.003	0.027	0.008	30.885	TRUE	1.08E-07
FVC	NOS3	cg24032393	rs7781606	T	C	-0.318	0.032	0.167	1.22E-23	-0.005	0.003	0.090	0.026	100.379	TRUE	1.58E-22
FVC	NOS3	cg24032393	rs891512	A	G	-0.762	0.027	0.214	3.59E-175	-0.003	0.003	0.377	0.177	795.782	TRUE	2.20E-161
FVC	NOS3	cg26168651	rs10240738	T	C	0.132	0.024	0.464	2.36E-08	0.003	0.002	0.244	0.008	31.159	TRUE	5.44E-08
FVC	NOS3	cg26168651	rs7830	T	G	0.241	0.025	0.326	1.65E-22	0.006	0.003	0.017	0.025	95.236	TRUE	3.80E-21
FVC	NUPR1	cg01542023	rs112191041	G	A	-0.400	0.024	0.369	1.65E-63	-0.011	0.002	1.05E-05	0.071	282.864	TRUE	2.17E-58
FVC	NUPR1	cg01542023	rs192774745	C	G	0.143	0.025	0.326	1.33E-08	-0.001	0.003	0.599	0.009	32.276	TRUE	2.19E-08

FVC	NUPR1	cg01542023	rs9934709	T	C	0.151	0.026	0.285	7.19E-09	-0.002	0.003	0.544	0.009	33.464	TRUE	1.27E-08
FVC	NUPR1	cg01803679	rs148016441	A	G	0.548	0.056	0.048	9.27E-23	-0.002	0.006	0.740	0.025	96.372	TRUE	3.10E-22
FVC	NUPR1	cg01803679	rs6565261	A	C	0.151	0.026	0.292	6.07E-09	-0.002	0.003	0.450	0.009	33.794	TRUE	1.17E-08
FVC	NUPR1	cg01803679	rs7191618	G	C	-0.326	0.024	0.406	2.68E-43	-0.011	0.002	2.90E-06	0.049	190.240	TRUE	1.24E-39
FVC	NUPR1	cg01803679	rs78721020	A	G	-0.348	0.063	0.040	3.83E-08	-0.005	0.006	0.417	0.008	30.219	TRUE	7.25E-08
FVC	NUPR1	cg05590982	rs149278	C	T	-0.189	0.023	0.452	3.26E-16	0.014	0.002	5.68E-09	0.018	66.602	TRUE	4.29E-14
FVC	NUPR1	cg15149645	rs17640009	G	A	-0.327	0.024	0.368	7.69E-43	-0.011	0.002	9.77E-06	0.048	188.142	TRUE	2.67E-39
FVC	NUPR1	cg16576597	rs17639997	T	G	-0.345	0.041	0.093	3.83E-17	-0.008	0.004	0.077	0.019	70.825	TRUE	2.84E-16
FVC	NUPR1	cg16576597	rs4115668	A	G	0.191	0.025	0.353	6.43E-15	-0.011	0.003	6.60E-06	0.016	60.733	TRUE	2.66E-13
FVC	OPA1	cg05652783	rs113848294	G	A	-0.857	0.070	0.032	8.46E-35	-0.008	0.007	0.238	0.039	151.345	TRUE	1.94E-33
FVC	OPA1	cg05652783	rs4687448	T	C	-0.175	0.029	0.195	1.35E-09	0.000	0.003	0.891	0.010	36.717	TRUE	1.88E-09
FVC	OPA1	cg14651650	rs4597663	T	C	0.189	0.024	0.471	8.40E-16	-0.001	0.002	0.631	0.017	64.738	TRUE	2.01E-15
FVC	OPA1	cg16241473	rs181232145	A	T	-0.233	0.043	0.075	4.40E-08	0.010	0.004	0.017	0.008	29.950	TRUE	1.87E-07
FVC	OPA1	cg23144852	rs113025828	A	T	-0.496	0.071	0.032	2.16E-12	-0.009	0.007	0.206	0.013	49.306	TRUE	7.32E-12
FVC	OPA1	cg23144852	rs13074400	A	T	0.158	0.026	0.299	1.40E-09	-0.003	0.003	0.254	0.010	36.652	TRUE	3.52E-09
FVC	OPA1	cg23144852	rs57302574	T	A	-0.234	0.036	0.126	1.16E-10	0.004	0.004	0.292	0.011	41.507	TRUE	2.99E-10
FVC	OPA1	cg23144852	rs6793945	G	A	0.365	0.024	0.436	2.63E-54	0.000	0.002	0.978	0.061	240.669	TRUE	1.15E-52
FVC	OPA1	cg23144852	rs9832931	A	G	-0.207	0.027	0.250	1.50E-14	0.005	0.003	0.094	0.016	59.067	TRUE	8.05E-14
FVC	OPTN	cg02458882	rs641113	A	G	0.319	0.046	0.115	4.52E-12	-0.005	0.004	0.191	0.013	47.858	TRUE	1.52E-11
FVC	OPTN	cg06091155	rs76647957	C	A	0.214	0.026	0.266	5.51E-16	-0.006	0.003	0.035	0.017	65.570	TRUE	4.90E-15
FVC	OPTN	cg06116488	rs61743995	C	T	-0.214	0.036	0.121	1.94E-09	-0.004	0.004	0.253	0.010	36.014	TRUE	4.79E-09
FVC	OPTN	cg16907766	rs144461570	A	G	-0.707	0.118	0.026	1.93E-09	0.003	0.008	0.729	0.010	36.025	TRUE	3.02E-09
FVC	OPTN	cg16907766	rs660592	A	G	-0.586	0.035	0.121	2.90E-64	-0.004	0.004	0.323	0.072	286.332	TRUE	1.95E-61
FVC	OPTN	cg16907766	rs78411037	C	G	-0.192	0.032	0.158	2.33E-09	-0.001	0.003	0.786	0.010	35.655	TRUE	3.48E-09
FVC	OPTN	cg16993936	rs144461570	A	G	-0.841	0.117	0.026	7.94E-13	0.003	0.008	0.729	0.014	51.269	TRUE	1.48E-12
FVC	OPTN	cg24176744	rs2244380	C	T	0.179	0.030	0.191	2.45E-09	0.001	0.003	0.715	0.010	35.563	TRUE	3.87E-09
FVC	ORMDL3	cg04308185	rs1467258	G	A	0.220	0.034	0.141	7.97E-11	0.010	0.003	0.004	0.011	42.242	TRUE	6.49E-10
FVC	ORMDL3	cg04308185	rs35557848	T	C	-0.426	0.027	0.235	1.74E-54	0.004	0.003	0.147	0.061	241.491	TRUE	6.38E-52
FVC	ORMDL3	cg04308185	rs3744246	T	C	0.446	0.029	0.216	4.48E-55	0.001	0.003	0.775	0.062	244.194	TRUE	3.07E-53
FVC	ORMDL3	cg04308185	rs4795396	T	C	0.708	0.114	0.013	5.78E-10	0.006	0.011	0.574	0.010	38.372	TRUE	1.06E-09
FVC	ORMDL3	cg08932654	rs35557848	T	C	-0.432	0.027	0.235	4.99E-56	0.004	0.003	0.147	0.063	248.563	TRUE	2.26E-53
FVC	ORMDL3	cg08932654	rs3744246	T	C	0.255	0.029	0.216	1.08E-18	0.001	0.003	0.775	0.021	77.865	TRUE	2.67E-18
FVC	ORMDL3	cg08932654	rs407307	A	G	0.218	0.025	0.324	5.19E-18	-0.015	0.003	5.78E-09	0.020	74.766	TRUE	1.07E-15
FVC	ORMDL3	cg08932654	rs4795396	T	C	0.670	0.114	0.013	4.49E-09	0.006	0.011	0.574	0.009	34.380	TRUE	7.81E-09
FVC	ORMDL3	cg08932654	rs7502966	C	T	-0.144	0.024	0.427	1.31E-09	0.001	0.002	0.776	0.010	36.786	TRUE	1.99E-09
FVC	ORMDL3	cg10444806	rs35557848	T	C	-0.350	0.028	0.235	4.15E-37	0.004	0.003	0.147	0.042	161.907	TRUE	1.76E-35
FVC	ORMDL3	cg10444806	rs3744246	T	C	0.340	0.029	0.216	2.11E-32	0.001	0.003	0.775	0.037	140.381	TRUE	1.41E-31
FVC	ORMDL3	cg10909506	rs11078916	T	C	-0.302	0.026	0.284	7.40E-31	-0.018	0.003	8.28E-12	0.035	133.325	TRUE	5.02E-27
FVC	ORMDL3	cg10909506	rs114211283	A	T	-0.368	0.050	0.065	1.89E-13	-0.006	0.005	0.178	0.014	54.092	TRUE	7.32E-13
FVC	ORMDL3	cg10909506	rs12946335	T	C	0.646	0.116	0.019	2.25E-08	-0.003	0.009	0.718	0.008	31.249	TRUE	3.37E-08
FVC	ORMDL3	cg10909506	rs192665233	A	C	-0.475	0.078	0.039	1.16E-09	0.005	0.006	0.389	0.010	37.018	TRUE	2.47E-09
FVC	ORMDL3	cg10909506	rs2060941	T	G	0.560	0.033	0.148	1.72E-66	0.004	0.003	0.186	0.074	296.541	TRUE	2.70E-63

FVC	ORMDL3	cg10909506	rs35797841	T	C	-0.331	0.058	0.035	1.32E-08	0.005	0.006	0.399	0.009	32.284	TRUE	2.61E-08
FVC	ORMDL3	cg10909506	rs3889369	T	A	-0.302	0.034	0.136	1.84E-18	0.013	0.004	1.47E-04	0.020	76.808	TRUE	8.34E-17
FVC	ORMDL3	cg10909506	rs4065275	A	G	0.740	0.021	0.497	5.62E-282	0.006	0.002	0.016	0.258	1286.897	TRUE	1.57E-248
FVC	ORMDL3	cg10909506	rs471692	T	C	0.191	0.030	0.197	2.86E-10	-0.004	0.003	0.218	0.011	39.744	TRUE	7.98E-10
FVC	ORMDL3	cg10909506	rs534012	C	T	0.188	0.032	0.162	6.35E-09	-0.005	0.003	0.085	0.009	33.705	TRUE	2.05E-08
FVC	ORMDL3	cg10909506	rs55913526	T	C	-0.508	0.043	0.077	7.28E-33	0.018	0.004	3.42E-05	0.037	142.498	TRUE	3.82E-30
FVC	ORMDL3	cg10909506	rs62065216	A	G	-0.263	0.024	0.417	8.33E-29	-0.001	0.002	0.710	0.032	123.955	TRUE	4.56E-28
FVC	ORMDL3	cg10909506	rs62065258	A	G	-0.265	0.028	0.248	5.77E-22	0.011	0.003	7.43E-05	0.024	92.755	TRUE	5.04E-20
FVC	ORMDL3	cg10909506	rs72825201	C	A	0.370	0.050	0.061	1.88E-13	0.018	0.005	1.20E-04	0.014	54.094	TRUE	3.99E-12
FVC	ORMDL3	cg10909506	rs72827105	G	C	0.333	0.048	0.160	4.59E-12	0.006	0.003	0.071	0.013	47.830	TRUE	2.11E-11
FVC	ORMDL3	cg10909506	rs72832972	T	C	-0.380	0.046	0.072	1.44E-16	-0.008	0.004	0.052	0.018	68.213	TRUE	1.14E-15
FVC	ORMDL3	cg10909506	rs73985231	C	T	0.612	0.046	0.065	1.13E-39	0.006	0.005	0.199	0.045	173.643	TRUE	5.06E-38
FVC	ORMDL3	cg12655416	rs11078892	T	C	-0.191	0.035	0.472	3.18E-08	0.004	0.003	0.078	0.008	30.578	TRUE	9.74E-08
FVC	ORMDL3	cg12655416	rs113657930	G	C	-0.490	0.059	0.042	1.27E-16	0.018	0.006	0.003	0.018	68.467	TRUE	2.26E-15
FVC	ORMDL3	cg12655416	rs117381273	A	G	0.573	0.049	0.058	9.63E-32	0.007	0.005	0.134	0.036	137.372	TRUE	2.31E-30
FVC	ORMDL3	cg12655416	rs12941811	T	C	-0.246	0.024	0.419	1.95E-25	-0.004	0.002	0.136	0.029	108.577	TRUE	2.41E-24
FVC	ORMDL3	cg12655416	rs12946335	T	C	0.660	0.116	0.019	1.13E-08	-0.003	0.009	0.718	0.009	32.593	TRUE	1.71E-08
FVC	ORMDL3	cg12655416	rs16522	C	T	0.238	0.033	0.153	7.86E-13	0.004	0.003	0.185	0.014	51.290	TRUE	2.81E-12
FVC	ORMDL3	cg12655416	rs2715555	A	G	-0.301	0.033	0.148	2.62E-20	0.010	0.003	0.004	0.023	85.210	TRUE	7.06E-19
FVC	ORMDL3	cg12655416	rs4795388	A	G	-0.146	0.027	0.276	3.94E-08	-0.018	0.003	1.44E-11	0.008	30.161	TRUE	1.43E-06
FVC	ORMDL3	cg12655416	rs62066986	T	C	0.363	0.051	0.045	1.12E-12	0.007	0.005	0.120	0.013	50.593	TRUE	4.69E-12
FVC	ORMDL3	cg12655416	rs72832924	T	C	-0.366	0.030	0.184	1.97E-34	0.013	0.003	3.14E-05	0.039	149.661	TRUE	1.43E-31
FVC	ORMDL3	cg12655416	rs8076131	G	A	0.562	0.023	0.468	2.80E-135	0.003	0.002	0.229	0.142	612.436	TRUE	4.88E-126
FVC	ORMDL3	cg18711369	rs11078916	T	C	-0.297	0.026	0.284	5.34E-30	-0.018	0.003	8.28E-12	0.034	129.405	TRUE	3.04E-26
FVC	ORMDL3	cg18711369	rs114211283	A	T	-0.434	0.050	0.065	3.18E-18	-0.006	0.005	0.178	0.020	75.734	TRUE	1.85E-17
FVC	ORMDL3	cg18711369	rs12946335	T	C	0.699	0.115	0.019	1.36E-09	-0.003	0.009	0.718	0.010	36.705	TRUE	2.16E-09
FVC	ORMDL3	cg18711369	rs2060941	T	G	0.512	0.033	0.148	1.01E-55	0.004	0.003	0.186	0.063	247.160	TRUE	3.33E-53
FVC	ORMDL3	cg18711369	rs3826331	T	C	-0.292	0.024	0.395	5.46E-35	-0.001	0.002	0.559	0.040	152.214	TRUE	6.43E-34
FVC	ORMDL3	cg18711369	rs4065275	A	G	0.762	0.020	0.497	1.56E-302	0.006	0.002	0.016	0.275	1399.833	TRUE	3.94E-268
FVC	ORMDL3	cg18711369	rs502041	C	G	0.165	0.028	0.225	5.78E-09	-0.004	0.003	0.194	0.009	33.890	TRUE	1.52E-08
FVC	ORMDL3	cg18711369	rs534012	C	T	0.194	0.032	0.162	1.93E-09	-0.005	0.003	0.085	0.010	36.023	TRUE	6.54E-09
FVC	ORMDL3	cg18711369	rs62065258	A	G	-0.305	0.027	0.248	9.94E-29	0.011	0.003	7.43E-05	0.032	123.605	TRUE	2.36E-26
FVC	ORMDL3	cg18711369	rs72825201	C	A	0.346	0.050	0.061	6.05E-12	0.018	0.005	1.20E-04	0.013	47.287	TRUE	1.01E-10
FVC	ORMDL3	cg18711369	rs72827105	G	C	0.341	0.048	0.160	1.34E-12	0.006	0.003	0.071	0.013	50.236	TRUE	6.52E-12
FVC	ORMDL3	cg18711369	rs72832972	T	C	-0.414	0.046	0.072	1.66E-19	-0.008	0.004	0.052	0.022	81.558	TRUE	1.77E-18
FVC	ORMDL3	cg18711369	rs79057213	G	C	0.564	0.048	0.061	6.53E-32	0.007	0.005	0.157	0.036	138.143	TRUE	1.46E-30
FVC	ORMDL3	cg18711369	rs79641947	T	C	-0.363	0.037	0.115	7.65E-23	0.014	0.004	2.00E-04	0.025	96.754	TRUE	5.71E-21
FVC	ORMDL3	cg19511844	rs7502539	A	G	-0.164	0.025	0.336	7.65E-11	-0.001	0.003	0.769	0.011	42.323	TRUE	1.23E-10
FVC	ORMDL3	cg22144450	rs114211283	A	T	-0.289	0.050	0.065	7.46E-09	-0.006	0.005	0.178	0.009	33.392	TRUE	1.98E-08
FVC	ORMDL3	cg22144450	rs2060941	T	G	0.389	0.033	0.148	1.26E-32	0.004	0.003	0.186	0.037	141.411	TRUE	2.66E-31
FVC	ORMDL3	cg22144450	rs2269457	C	T	-0.207	0.037	0.250	1.63E-08	0.006	0.003	0.028	0.009	31.870	TRUE	6.59E-08
FVC	ORMDL3	cg22144450	rs4252596	A	C	-0.235	0.035	0.126	2.65E-11	0.013	0.004	2.52E-04	0.012	44.396	TRUE	3.61E-10

FVC	ORMDL3	cg22144450	rs4795401	A	G	-0.468	0.023	0.495	1.31E-92	-0.006	0.002	0.011	0.101	416.416	TRUE	2.10E-86
FVC	ORMDL3	cg22144450	rs60082402	G	A	-0.195	0.024	0.381	3.91E-16	-0.001	0.002	0.552	0.018	66.248	TRUE	1.05E-15
FVC	ORMDL3	cg22144450	rs62065255	C	T	-0.208	0.027	0.253	2.50E-14	0.011	0.003	7.43E-05	0.015	58.061	TRUE	6.91E-13
FVC	ORMDL3	cg22144450	rs73985231	C	T	0.411	0.047	0.065	1.11E-18	0.006	0.005	0.199	0.021	77.815	TRUE	6.38E-18
FVC	ORMDL3	cg22144450	rs9897185	A	G	-0.168	0.027	0.251	8.00E-10	-0.017	0.003	1.43E-09	0.010	37.739	TRUE	3.48E-08
FVC	OTUB1	cg00769843	rs140536661	G	T	-0.487	0.067	0.031	2.35E-13	-0.004	0.006	0.565	0.014	53.659	TRUE	5.28E-13
FVC	OTUB1	cg03219809	rs3903058	G	A	0.533	0.067	0.031	1.70E-15	-0.005	0.006	0.473	0.017	63.351	TRUE	4.86E-15
FVC	OTUB1	cg03219809	rs728919	C	T	0.175	0.023	0.447	8.01E-14	0.009	0.002	3.40E-04	0.015	55.772	TRUE	1.49E-12
FVC	OTUB1	cg03741506	rs186618572	G	A	-0.892	0.083	0.016	1.17E-26	0.014	0.008	0.079	0.030	114.149	TRUE	2.19E-25
FVC	OTUB1	cg03741506	rs476037	A	G	-0.253	0.038	0.106	3.64E-11	0.008	0.004	0.057	0.012	43.775	TRUE	1.66E-10
FVC	OTUB1	cg03741506	rs76613471	C	T	-0.412	0.048	0.065	1.72E-17	0.004	0.005	0.443	0.019	72.400	TRUE	5.88E-17
FVC	OTUB1	cg08231730	rs320114	T	C	0.495	0.066	0.032	6.29E-14	-0.004	0.006	0.555	0.015	56.249	TRUE	1.47E-13
FVC	OTUB1	cg08231730	rs483340	G	A	0.233	0.023	0.453	2.37E-23	0.009	0.002	2.95E-04	0.026	99.075	TRUE	1.73E-21
FVC	OTUB1	cg12836303	rs112466196	A	G	-0.294	0.051	0.050	6.49E-09	0.009	0.005	0.067	0.009	33.664	TRUE	2.28E-08
FVC	OTUB1	cg12836303	rs12417157	T	C	-0.620	0.022	0.421	5.67E-174	0.009	0.002	1.25E-04	0.176	790.276	TRUE	4.57E-157
FVC	OTUB1	cg12836303	rs143994092	C	T	0.191	0.034	0.116	2.87E-08	0.000	0.004	0.943	0.008	30.777	TRUE	3.68E-08
FVC	OTUB1	cg12836303	rs185027886	A	G	-0.378	0.069	0.025	4.28E-08	0.012	0.007	0.102	0.008	30.001	TRUE	1.25E-07
FVC	OTUB1	cg12836303	rs530063	C	T	0.175	0.024	0.407	2.17E-13	0.000	0.003	0.938	0.014	53.813	TRUE	3.44E-13
FVC	OTUB1	cg13692972	rs77631946	A	C	-0.355	0.059	0.095	1.40E-09	0.001	0.004	0.833	0.010	36.642	TRUE	2.05E-09
FVC	P2RX4	cg11209001	rs200739133	A	T	-0.177	0.030	0.164	6.56E-09	-0.003	0.033	0.921	0.009	33.643	TRUE	8.68E-09
FVC	P2RX4	cg16460342	rs25643	C	T	0.129	0.023	0.448	4.19E-08	0.001	0.002	0.602	0.008	30.045	TRUE	6.65E-08
FVC	P2RX4	cg16599007	rs2567993	C	A	0.220	0.025	0.316	6.15E-19	0.002	0.003	0.347	0.021	78.976	TRUE	2.74E-18
FVC	P2RX4	cg19357999	rs11612328	A	G	-0.329	0.057	0.122	9.00E-09	-0.009	0.004	0.016	0.009	33.028	TRUE	4.25E-08
FVC	P2RX4	cg19357999	rs117211511	A	G	0.467	0.069	0.027	1.20E-11	-0.007	0.006	0.220	0.012	45.939	TRUE	3.70E-11
FVC	P2RX4	cg19357999	rs1179460	A	G	-0.146	0.025	0.337	4.76E-09	-0.003	0.003	0.238	0.009	34.267	TRUE	1.16E-08
FVC	P2RX4	cg19357999	rs1180008	T	C	0.583	0.041	0.089	5.20E-46	-0.002	0.004	0.634	0.052	202.657	TRUE	1.63E-44
FVC	P2RX4	cg19357999	rs12300459	G	A	0.235	0.039	0.094	2.32E-09	0.008	0.004	0.047	0.010	35.664	TRUE	9.31E-09
FVC	P2RX4	cg19357999	rs149059228	C	T	0.365	0.066	0.033	3.35E-08	0.033	0.007	5.16E-07	0.008	30.479	TRUE	5.56E-07
FVC	P2RX4	cg19357999	rs182194565	T	C	0.811	0.123	0.013	4.18E-11	0.005	0.009	0.610	0.012	43.505	TRUE	7.87E-11
FVC	P2RX4	cg19357999	rs192495477	T	C	0.739	0.065	0.026	5.91E-30	-0.004	0.007	0.529	0.034	129.202	TRUE	4.66E-29
FVC	P2RX4	cg19357999	rs2230776	A	G	-0.249	0.044	0.079	1.79E-08	0.000	0.004	0.967	0.008	31.698	TRUE	2.26E-08
FVC	P2RX4	cg19357999	rs2252298	A	G	0.602	0.050	0.053	7.05E-33	0.014	0.005	0.006	0.037	142.563	TRUE	7.79E-31
FVC	P2RX4	cg19357999	rs2303998	A	G	0.842	0.091	0.017	1.39E-20	0.001	0.009	0.926	0.023	86.457	TRUE	3.26E-20
FVC	P2RX4	cg19357999	rs2567984	G	A	-0.183	0.024	0.365	4.19E-14	0.001	0.003	0.560	0.015	57.048	TRUE	9.73E-14
FVC	P2RX4	cg19357999	rs2567994	G	A	0.824	0.022	0.320	<1E-200	0.001	0.003	0.645	0.278	1423.806	TRUE	3.97E-275
FVC	P2RX4	cg19357999	rs2668249	T	C	0.500	0.025	0.269	1.74E-86	-0.001	0.003	0.632	0.095	388.304	TRUE	1.83E-82
FVC	P2RX4	cg19357999	rs2686386	C	T	-0.267	0.029	0.197	5.03E-20	0.004	0.003	0.180	0.022	83.923	TRUE	3.47E-19
FVC	P2RX4	cg19357999	rs56050444	G	A	-0.365	0.026	0.283	4.12E-45	-0.010	0.006	0.100	0.051	198.538	TRUE	5.58E-43
FVC	P2RX4	cg19357999	rs56361557	A	G	0.933	0.140	0.016	2.56E-11	0.003	0.010	0.778	0.012	44.461	TRUE	4.21E-11
FVC	P2RX4	cg19357999	rs615434	G	A	0.209	0.038	0.111	4.79E-08	0.002	0.004	0.596	0.008	29.785	TRUE	7.69E-08
FVC	P2RX4	cg19357999	rs61953351	T	G	-0.196	0.027	0.243	5.31E-13	-0.001	0.003	0.803	0.014	52.058	TRUE	9.37E-13
FVC	P2RX4	cg19357999	rs686638	T	C	0.149	0.025	0.325	3.51E-09	0.004	0.003	0.097	0.009	34.858	TRUE	1.15E-08

FVC	P2RX4	cg19357999	rs73214164	C	T	0.250	0.030	0.191	9.92E-17	0.001	0.003	0.810	0.018	68.947	TRUE	2.10E-16
FVC	P2RX4	cg20966272	rs3815990	T	G	0.614	0.050	0.052	9.79E-35	0.015	0.005	0.004	0.039	151.055	TRUE	1.57E-32
FVC	P2RX7	cg00364287	rs10849846	C	T	0.990	0.053	0.049	6.47E-77	-0.007	0.006	0.192	0.085	344.377	TRUE	5.57E-73
FVC	P2RX7	cg00364287	rs185803657	A	G	0.642	0.074	0.021	2.56E-18	-0.018	0.008	0.019	0.020	76.159	TRUE	3.37E-17
FVC	P2RX7	cg00364287	rs2567979	T	G	0.254	0.031	0.174	2.29E-16	0.005	0.003	0.157	0.018	67.299	TRUE	1.23E-15
FVC	P2RX7	cg00364287	rs2668254	T	C	0.139	0.024	0.487	4.79E-09	0.000	0.002	0.853	0.009	34.255	TRUE	6.62E-09
FVC	P2RX7	cg00364287	rs73214168	C	T	0.155	0.028	0.235	1.89E-08	-0.008	0.003	0.004	0.008	31.588	TRUE	1.10E-07
FVC	P2RX7	cg05835635	rs11065420	C	T	-0.246	0.033	0.142	1.13E-13	0.005	0.003	0.125	0.015	55.100	TRUE	5.08E-13
FVC	P2RX7	cg05835635	rs1180009	G	C	-0.632	0.033	0.131	2.37E-80	0.003	0.003	0.335	0.089	360.147	TRUE	2.02E-76
FVC	P2RX7	cg05835635	rs146718874	A	G	-0.416	0.075	0.023	2.99E-08	-0.018	0.007	0.014	0.008	30.695	TRUE	1.35E-07
FVC	P2RX7	cg05835635	rs1718125	T	C	-0.869	0.034	0.123	4.32E-143	0.005	0.004	0.213	0.149	648.334	TRUE	6.23E-133
FVC	P2RX7	cg05835635	rs208296	A	G	0.275	0.025	0.324	5.09E-28	-0.004	0.003	0.106	0.032	120.368	TRUE	9.74E-27
FVC	P2RX7	cg05835635	rs2303998	A	G	-0.653	0.090	0.017	4.67E-13	0.001	0.009	0.926	0.014	52.311	TRUE	7.34E-13
FVC	P2RX7	cg05835635	rs2393844	A	G	-0.514	0.040	0.101	3.22E-38	0.002	0.004	0.554	0.043	166.986	TRUE	5.31E-37
FVC	P2RX7	cg05835635	rs2567990	A	G	-0.508	0.055	0.056	1.54E-20	0.007	0.005	0.186	0.023	86.257	TRUE	1.08E-19
FVC	P2RX7	cg05835635	rs28360463	A	C	-0.333	0.034	0.135	3.86E-22	-0.002	0.003	0.640	0.025	93.550	TRUE	1.41E-21
FVC	P2RX7	cg05835635	rs3751143	C	A	0.181	0.031	0.177	3.53E-09	0.001	0.003	0.667	0.009	34.850	TRUE	5.67E-09
FVC	P2RX7	cg05835635	rs3850518	A	G	0.235	0.028	0.234	2.34E-17	-0.004	0.003	0.140	0.019	71.797	TRUE	1.38E-16
FVC	P2RX7	cg05835635	rs4403877	A	G	0.224	0.041	0.094	4.01E-08	0.010	0.004	0.017	0.008	30.129	TRUE	1.72E-07
FVC	P2RX7	cg05835635	rs4980988	C	T	-0.327	0.055	0.047	2.88E-09	0.003	0.005	0.581	0.009	35.243	TRUE	5.01E-09
FVC	P2RX7	cg05835635	rs514108	C	T	-0.367	0.032	0.159	2.52E-31	-0.006	0.003	0.055	0.035	135.463	TRUE	9.12E-30
FVC	P2RX7	cg05835635	rs6489787	G	A	0.148	0.025	0.328	2.25E-09	0.005	0.003	0.070	0.010	35.724	TRUE	8.26E-09
FVC	P2RX7	cg05835635	rs651606	A	G	-0.221	0.038	0.106	7.82E-09	0.012	0.004	0.002	0.009	33.302	TRUE	5.40E-08
FVC	P2RX7	cg05835635	rs77728240	T	G	-0.566	0.081	0.020	3.51E-12	-0.002	0.007	0.839	0.013	48.353	TRUE	5.74E-12
FVC	P2RX7	cg07203561	rs10849846	C	T	0.979	0.053	0.049	1.31E-75	-0.007	0.006	0.192	0.084	338.376	TRUE	9.07E-72
FVC	P2RX7	cg07203561	rs146718874	A	G	0.627	0.075	0.023	5.12E-17	-0.018	0.007	0.014	0.019	70.251	TRUE	6.42E-16
FVC	P2RX7	cg07203561	rs1796404	A	C	-0.156	0.027	0.258	4.53E-09	0.003	0.003	0.288	0.009	34.364	TRUE	1.05E-08
FVC	P2RX7	cg07203561	rs2567979	T	G	0.265	0.031	0.174	9.11E-18	0.005	0.003	0.157	0.020	73.656	TRUE	5.53E-17
FVC	P2RX7	cg07203561	rs2668254	T	C	0.131	0.024	0.487	3.43E-08	0.000	0.002	0.853	0.008	30.434	TRUE	4.57E-08
FVC	P2RX7	cg07203561	rs28360475	G	A	0.165	0.027	0.234	1.89E-09	-0.008	0.003	0.005	0.010	36.064	TRUE	1.24E-08
FVC	P2RX7	cg07602200	rs10849846	C	T	0.640	0.054	0.049	1.09E-32	-0.007	0.006	0.192	0.037	141.698	TRUE	2.35E-31
FVC	P2RX7	cg08688169	rs2393799	T	C	-0.356	0.027	0.247	2.17E-40	0.003	0.003	0.236	0.046	176.918	TRUE	9.24E-39
FVC	P2RX7	cg08688169	rs73214164	C	T	-0.177	0.030	0.191	2.50E-09	0.001	0.003	0.810	0.010	35.521	TRUE	3.63E-09
FVC	P2RX7	cg10852165	rs10849846	C	T	0.799	0.054	0.049	6.63E-50	-0.007	0.006	0.192	0.056	220.500	TRUE	1.04E-47
FVC	P2RX7	cg10852165	rs146718874	A	G	0.419	0.075	0.023	2.34E-08	-0.018	0.007	0.014	0.008	31.171	TRUE	1.07E-07
FVC	P2RX7	cg10852165	rs208278	G	A	-0.261	0.030	0.197	1.11E-18	0.006	0.003	0.040	0.021	77.811	TRUE	1.22E-17
FVC	P2RX7	cg10852165	rs208298	A	G	-0.153	0.025	0.314	1.72E-09	0.004	0.003	0.101	0.010	36.249	TRUE	5.69E-09
FVC	P2RX7	cg10852165	rs2567979	T	G	0.187	0.031	0.174	1.68E-09	0.005	0.003	0.157	0.010	36.291	TRUE	5.00E-09
FVC	P2RX7	cg10901569	rs1169299	C	T	-0.129	0.023	0.467	2.91E-08	0.000	0.002	0.851	0.008	30.747	TRUE	3.90E-08
FVC	P2RX7	cg10901569	rs12301635	G	C	-0.263	0.042	0.085	4.35E-10	0.005	0.004	0.225	0.010	38.929	TRUE	1.16E-09
FVC	P2RX7	cg10901569	rs2686369	T	C	-0.644	0.044	0.078	1.48E-49	0.011	0.004	0.014	0.056	218.898	TRUE	1.05E-46
FVC	P2RX7	cg10901569	rs75326667	T	C	-0.476	0.071	0.026	2.26E-11	0.014	0.007	0.051	0.012	44.708	TRUE	1.09E-10

FVC	P2RX7	cg12121075	rs11065394	G	A	0.259	0.029	0.206	2.76E-19	-0.004	0.003	0.223	0.021	80.559	TRUE	1.56E-18
FVC	P2RX7	cg12121075	rs11065420	C	T	-0.264	0.033	0.142	2.00E-15	0.005	0.003	0.125	0.017	63.030	TRUE	1.05E-14
FVC	P2RX7	cg12121075	rs117281184	A	G	-0.898	0.161	0.011	2.46E-08	-0.016	0.011	0.137	0.008	31.077	TRUE	6.74E-08
FVC	P2RX7	cg12121075	rs142778000	A	G	-0.747	0.076	0.018	1.28E-22	-0.016	0.008	0.055	0.025	95.729	TRUE	1.85E-21
FVC	P2RX7	cg12121075	rs148662934	C	T	-0.211	0.035	0.109	2.29E-09	-0.005	0.004	0.194	0.010	35.693	TRUE	6.09E-09
FVC	P2RX7	cg12121075	rs1653595	G	A	0.199	0.027	0.239	2.86E-13	0.001	0.003	0.644	0.014	53.271	TRUE	5.91E-13
FVC	P2RX7	cg12121075	rs1653604	C	T	-0.578	0.022	0.473	3.65E-148	0.003	0.002	0.199	0.154	671.648	TRUE	2.07E-137
FVC	P2RX7	cg12121075	rs1718125	T	C	-0.477	0.035	0.123	1.55E-41	0.005	0.004	0.213	0.047	182.167	TRUE	8.14E-40
FVC	P2RX7	cg12121075	rs2673623	G	A	0.158	0.024	0.397	5.60E-11	-0.002	0.002	0.408	0.011	42.932	TRUE	1.28E-10
FVC	P2RX7	cg12121075	rs3751144	T	C	-0.983	0.042	0.081	2.88E-123	-0.005	0.004	0.233	0.131	557.240	TRUE	2.53E-115
FVC	P2RX7	cg12121075	rs3794205	A	G	0.301	0.025	0.307	2.34E-32	-0.004	0.003	0.117	0.037	140.178	TRUE	6.32E-31
FVC	P2RX7	cg12121075	rs55728984	T	C	-0.266	0.042	0.087	1.74E-10	-0.002	0.004	0.614	0.011	40.722	TRUE	3.12E-10
FVC	P2RX7	cg12121075	rs76003406	T	C	0.314	0.051	0.057	5.62E-10	-0.013	0.005	0.018	0.010	38.428	TRUE	2.97E-09
FVC	P2RX7	cg22867729	rs11065472	A	G	0.163	0.026	0.293	2.23E-10	-0.007	0.003	0.012	0.011	40.229	TRUE	1.34E-09
FVC	P2RX7	cg26656658	rs11065394	G	A	0.270	0.029	0.206	5.87E-21	-0.004	0.003	0.223	0.023	88.167	TRUE	3.82E-20
FVC	P2RX7	cg26656658	rs11065420	C	T	-0.292	0.033	0.142	1.57E-18	0.005	0.003	0.125	0.020	77.126	TRUE	1.09E-17
FVC	P2RX7	cg26656658	rs1140886	C	T	0.160	0.026	0.263	1.16E-09	0.007	0.003	0.006	0.010	37.014	TRUE	7.34E-09
FVC	P2RX7	cg26656658	rs12301635	G	C	-0.234	0.042	0.085	3.40E-08	0.005	0.004	0.225	0.008	30.449	TRUE	7.85E-08
FVC	P2RX7	cg26656658	rs142778000	A	G	-0.759	0.076	0.018	3.06E-23	-0.016	0.008	0.055	0.026	98.566	TRUE	4.70E-22
FVC	P2RX7	cg26656658	rs1653609	C	A	-0.620	0.022	0.474	5.16E-175	0.003	0.002	0.201	0.177	795.061	TRUE	7.51E-161
FVC	P2RX7	cg26656658	rs1718125	T	C	-0.546	0.035	0.123	2.81E-54	0.005	0.004	0.213	0.061	240.539	TRUE	7.15E-52
FVC	P2RX7	cg26656658	rs208302	A	G	-0.238	0.027	0.235	2.29E-18	0.003	0.003	0.364	0.020	76.384	TRUE	9.21E-18
FVC	P2RX7	cg26656658	rs2686346	T	C	0.274	0.032	0.455	4.96E-18	-0.002	0.003	0.356	0.020	74.856	TRUE	1.99E-17
FVC	P2RX7	cg26656658	rs28360453	T	C	0.306	0.050	0.060	1.33E-09	-0.007	0.005	0.124	0.010	36.755	TRUE	4.19E-09
FVC	P2RX7	cg26656658	rs3751144	T	C	-0.923	0.042	0.081	8.10E-108	-0.005	0.004	0.233	0.116	486.267	TRUE	2.16E-101
FVC	P2RX7	cg26656658	rs3794205	A	G	0.346	0.025	0.307	1.07E-42	-0.004	0.003	0.117	0.048	187.490	TRUE	9.27E-41
FVC	P2RX7	cg26656658	rs55728984	T	C	-0.240	0.042	0.087	7.76E-09	-0.002	0.004	0.614	0.009	33.317	TRUE	1.27E-08
FVC	P2RX7	cg26656658	rs76003406	T	C	0.407	0.050	0.057	7.42E-16	-0.013	0.005	0.018	0.017	64.984	TRUE	7.59E-15
FVC	P2RX7	cg26656658	rs7957752	G	A	-0.151	0.025	0.338	1.48E-09	-0.006	0.003	0.013	0.010	36.538	TRUE	7.98E-09
FVC	PADI4	cg00702325	rs1748029	C	A	0.182	0.025	0.321	2.12E-13	-0.003	0.003	0.189	0.014	53.858	TRUE	8.06E-13
FVC	PADI4	cg01790353	rs12025184	A	G	-0.306	0.033	0.157	7.26E-21	-0.002	0.003	0.477	0.023	87.748	TRUE	3.03E-20
FVC	PADI4	cg01790353	rs1635571	T	C	-1.545	0.052	0.045	1.98E-190	-0.009	0.005	0.094	0.190	865.934	TRUE	1.25E-173
FVC	PADI4	cg01790353	rs1886300	C	T	-0.369	0.024	0.366	2.17E-53	-0.004	0.002	0.079	0.060	236.473	TRUE	1.01E-50
FVC	PADI4	cg01790353	rs2977307	C	T	-0.357	0.031	0.165	2.55E-31	0.000	0.003	0.968	0.035	135.441	TRUE	1.17E-30
FVC	PADI4	cg01790353	rs3003450	G	T	-0.234	0.025	0.341	3.87E-21	-0.001	0.003	0.756	0.023	88.991	TRUE	1.15E-20
FVC	PADI4	cg01790353	rs4920600	A	G	-0.217	0.025	0.312	4.07E-18	-0.006	0.003	0.025	0.020	75.248	TRUE	4.85E-17
FVC	PADI4	cg01790353	rs55767926	C	G	-0.277	0.039	0.093	2.14E-12	-0.002	0.004	0.646	0.013	49.327	TRUE	4.23E-12
FVC	PADI4	cg01790353	rs6702868	C	T	-0.501	0.053	0.053	1.54E-21	-0.006	0.005	0.232	0.024	90.817	TRUE	1.03E-20
FVC	PADI4	cg01790353	rs72645519	C	A	-0.614	0.080	0.051	1.24E-14	-0.003	0.005	0.582	0.016	59.438	TRUE	2.95E-14
FVC	PADI4	cg02053132	rs11203345	T	G	-0.363	0.033	0.153	1.37E-28	-0.002	0.003	0.641	0.032	122.968	TRUE	8.14E-28
FVC	PADI4	cg02053132	rs113012552	T	C	0.225	0.030	0.184	1.41E-13	0.001	0.003	0.668	0.015	54.656	TRUE	2.91E-13
FVC	PADI4	cg02053132	rs12746451	T	C	0.494	0.047	0.061	8.34E-26	-0.003	0.005	0.537	0.029	110.259	TRUE	4.58E-25

FVC	PADI4	cg02053132	rs150138789	A	G	-0.399	0.048	0.063	7.33E-17	-0.005	0.005	0.323	0.018	69.544	TRUE	2.88E-16
FVC	PADI4	cg02053132	rs1635571	T	C	-1.689	0.052	0.045	1.88E-234	-0.009	0.005	0.094	0.224	1068.343	TRUE	1.01E-210
FVC	PADI4	cg02053132	rs182848802	T	C	-0.916	0.092	0.014	2.31E-23	-0.024	0.010	0.015	0.026	99.122	TRUE	5.83E-22
FVC	PADI4	cg02053132	rs2977295	C	A	-0.309	0.031	0.182	3.88E-23	-0.004	0.003	0.234	0.026	98.097	TRUE	3.01E-22
FVC	PADI4	cg02053132	rs2985875	G	A	0.160	0.025	0.317	2.76E-10	-0.001	0.003	0.777	0.011	39.813	TRUE	4.32E-10
FVC	PADI4	cg02053132	rs35210719	T	C	0.206	0.024	0.395	6.78E-18	0.001	0.002	0.623	0.020	74.240	TRUE	1.91E-17
FVC	PADI4	cg02053132	rs4595409	G	A	-0.279	0.026	0.256	4.32E-26	0.003	0.003	0.254	0.029	111.562	TRUE	4.17E-25
FVC	PADI4	cg02053132	rs72645519	C	A	-0.508	0.080	0.051	1.90E-10	-0.003	0.005	0.582	0.011	40.550	TRUE	3.52E-10
FVC	PADI4	cg02053132	rs7418084	A	G	-0.297	0.042	0.081	1.52E-12	-0.003	0.004	0.491	0.013	49.989	TRUE	3.52E-12
FVC	PADI4	cg02053132	rs77946668	A	G	-0.292	0.038	0.109	7.70E-15	0.003	0.004	0.472	0.016	60.377	TRUE	2.08E-14
FVC	PADI4	cg05124692	rs2477134	G	T	0.326	0.024	0.339	1.34E-40	0.002	0.003	0.372	0.046	177.888	TRUE	3.95E-39
FVC	PADI4	cg05124692	rs3003444	C	T	0.238	0.024	0.368	6.89E-23	-0.002	0.002	0.534	0.026	96.960	TRUE	3.07E-22
FVC	PADI4	cg16091981	rs12562867	C	A	0.216	0.025	0.301	1.30E-17	0.002	0.003	0.508	0.019	72.961	TRUE	4.06E-17
FVC	PADI4	cg16091981	rs3003454	A	C	-0.188	0.025	0.306	3.87E-14	-0.004	0.003	0.114	0.015	57.202	TRUE	1.91E-13
FVC	PADI4	cg16091981	rs6586520	C	T	-0.193	0.023	0.489	1.77E-16	0.000	0.002	0.924	0.018	67.810	TRUE	3.27E-16
FVC	PADI4	cg16091981	rs9970772	T	C	0.263	0.024	0.409	1.16E-28	-0.004	0.002	0.123	0.032	123.297	TRUE	2.14E-27
FVC	PADI4	cg17747053	rs12047600	T	C	-0.340	0.023	0.418	2.95E-48	-0.001	0.002	0.544	0.054	212.945	TRUE	1.38E-46
FVC	PADI4	cg17747053	rs6673392	T	G	0.205	0.030	0.170	1.24E-11	0.000	0.003	0.962	0.012	45.884	TRUE	1.76E-11
FVC	PADI4	cg17785802	rs12733102	C	G	-0.773	0.077	0.023	6.13E-24	-0.015	0.007	0.045	0.027	101.749	TRUE	1.11E-22
FVC	PADI4	cg17785802	rs60453441	G	A	-0.174	0.031	0.183	1.56E-08	-0.004	0.003	0.225	0.009	31.965	TRUE	3.78E-08
FVC	PADI4	cg18333690	rs113510633	G	T	0.198	0.031	0.169	1.78E-10	0.002	0.003	0.624	0.011	40.673	TRUE	3.19E-10
FVC	PADI4	cg18333690	rs12068422	G	A	-0.222	0.025	0.294	1.04E-18	-0.004	0.003	0.167	0.021	77.944	TRUE	6.56E-18
FVC	PADI4	cg18333690	rs12070008	T	C	-0.263	0.039	0.103	1.68E-11	-0.003	0.004	0.447	0.012	45.282	TRUE	3.84E-11
FVC	PADI4	cg18333690	rs12746451	T	C	0.277	0.047	0.061	5.35E-09	-0.003	0.005	0.537	0.009	34.039	TRUE	9.49E-09
FVC	PADI4	cg18333690	rs12752201	A	G	-0.259	0.033	0.162	2.67E-15	0.001	0.003	0.712	0.017	62.465	TRUE	5.80E-15
FVC	PADI4	cg18333690	rs3003421	C	G	0.293	0.036	0.116	1.87E-16	0.002	0.004	0.649	0.018	67.695	TRUE	4.66E-16
FVC	PADI4	cg18333690	rs3003432	G	A	0.280	0.023	0.423	6.07E-33	0.003	0.002	0.247	0.037	142.857	TRUE	1.15E-31
FVC	PADI4	cg18333690	rs7523534	A	G	0.138	0.024	0.387	1.90E-08	-0.002	0.002	0.415	0.008	31.582	TRUE	3.68E-08
FVC	PADI4	cg18333690	rs9970772	T	C	0.400	0.023	0.409	1.92E-65	-0.004	0.002	0.123	0.073	291.737	TRUE	3.81E-62
FVC	PADI4	cg19159961	rs111299818	T	A	0.645	0.079	0.019	4.71E-16	0.002	0.008	0.754	0.017	65.880	TRUE	1.01E-15
FVC	PADI4	cg19159961	rs113049463	A	G	0.340	0.041	0.092	6.06E-17	-0.001	0.004	0.796	0.019	69.918	TRUE	1.33E-16
FVC	PADI4	cg19159961	rs1886302	G	A	0.306	0.024	0.367	3.33E-37	-0.002	0.002	0.486	0.042	162.344	TRUE	5.63E-36
FVC	PADI4	cg19159961	rs2477134	G	T	0.755	0.021	0.339	2.64E-277	0.002	0.003	0.372	0.255	1265.412	TRUE	6.22E-247
FVC	PADI4	cg19159961	rs3003419	A	G	-0.233	0.036	0.116	5.99E-11	0.002	0.004	0.658	0.011	42.801	TRUE	1.08E-10
FVC	PADI4	cg19159961	rs3003450	G	T	0.164	0.025	0.341	4.21E-11	-0.001	0.003	0.756	0.012	43.488	TRUE	7.03E-11
FVC	PADI4	cg19159961	rs77917278	C	G	-0.479	0.080	0.057	2.53E-09	-0.004	0.005	0.436	0.010	35.496	TRUE	5.03E-09
FVC	PADI4	cg21295838	rs113510633	G	T	0.190	0.031	0.169	9.32E-10	0.002	0.003	0.624	0.010	37.442	TRUE	1.61E-09
FVC	PADI4	cg21295838	rs12068422	G	A	-0.165	0.025	0.294	5.30E-11	-0.004	0.003	0.167	0.012	43.041	TRUE	1.74E-10
FVC	PADI4	cg21295838	rs12070008	T	C	-0.274	0.039	0.103	2.17E-12	-0.003	0.004	0.447	0.013	49.296	TRUE	5.24E-12
FVC	PADI4	cg21295838	rs12752201	A	G	-0.257	0.033	0.162	5.43E-15	0.001	0.003	0.712	0.016	61.066	TRUE	1.16E-14
FVC	PADI4	cg21295838	rs1635577	A	G	0.250	0.040	0.095	3.26E-10	-0.003	0.004	0.462	0.011	39.492	TRUE	6.73E-10
FVC	PADI4	cg21295838	rs3003421	C	G	0.268	0.036	0.116	6.46E-14	0.002	0.004	0.649	0.015	56.195	TRUE	1.38E-13

FVC	PADI4	cg21295838	rs3003432	G	A	0.260	0.024	0.423	2.38E-28	0.003	0.002	0.247	0.032	121.871	TRUE	2.88E-27
FVC	PADI4	cg21295838	rs7523534	A	G	0.160	0.024	0.387	5.78E-11	-0.002	0.002	0.415	0.011	42.870	TRUE	1.32E-10
FVC	PADI4	cg21295838	rs9970772	T	C	0.404	0.023	0.409	1.19E-66	-0.004	0.002	0.123	0.074	297.272	TRUE	2.86E-63
FVC	PADI4	cg23228178	rs1886302	G	A	0.175	0.024	0.367	4.59E-13	-0.002	0.002	0.486	0.014	52.343	TRUE	1.11E-12
FVC	PADI4	cg23228178	rs7548900	A	C	0.264	0.024	0.395	1.46E-28	0.004	0.002	0.121	0.032	122.843	TRUE	2.67E-27
FVC	PADI4	cg26918754	rs12746451	T	C	0.302	0.047	0.061	1.81E-10	-0.003	0.005	0.537	0.011	40.643	TRUE	3.49E-10
FVC	PADI4	cg26918754	rs2977255	C	T	-0.164	0.025	0.296	8.56E-11	-0.003	0.003	0.185	0.011	42.103	TRUE	2.62E-10
FVC	PADI4	cg26918754	rs2977262	C	A	0.214	0.025	0.315	7.42E-18	0.002	0.003	0.475	0.020	74.061	TRUE	2.50E-17
FVC	PADI4	cg26918754	rs34481461	A	C	-0.193	0.033	0.161	3.58E-09	0.001	0.003	0.692	0.009	34.822	TRUE	5.71E-09
FVC	PADI4	cg26918754	rs6586520	C	T	-0.130	0.024	0.489	3.31E-08	0.000	0.002	0.924	0.008	30.500	TRUE	4.23E-08
FVC	PADI4	cg26918754	rs7522439	G	A	-0.248	0.039	0.106	1.74E-10	-0.003	0.004	0.383	0.011	40.716	TRUE	3.96E-10
FVC	PADI4	cg26918754	rs9970772	T	C	0.293	0.024	0.409	3.17E-35	-0.004	0.002	0.123	0.040	153.290	TRUE	1.17E-33
FVC	PAFAH1B2	cg01368799	rs10400366	G	A	-0.858	0.021	0.384	<1E-200	-0.009	0.002	1.72E-04	0.320	1737.035	TRUE	<1E-200
FVC	PAFAH1B2	cg01368799	rs1056136	G	T	-0.331	0.030	0.187	1.05E-27	-0.002	0.003	0.533	0.031	118.931	TRUE	6.75E-27
FVC	PAFAH1B2	cg01368799	rs10790164	A	G	-0.474	0.073	0.029	7.55E-11	-0.008	0.007	0.242	0.011	42.347	TRUE	2.12E-10
FVC	PAFAH1B2	cg01368799	rs112009211	T	C	0.371	0.053	0.046	1.74E-12	-0.005	0.005	0.384	0.013	49.735	TRUE	4.51E-12
FVC	PAFAH1B2	cg01368799	rs112333700	T	C	-0.548	0.063	0.037	3.85E-18	-0.017	0.006	0.008	0.020	75.355	TRUE	6.52E-17
FVC	PAFAH1B2	cg01368799	rs118138924	G	C	-0.643	0.057	0.041	8.30E-30	-0.007	0.005	0.220	0.034	128.529	TRUE	1.22E-28
FVC	PAFAH1B2	cg01368799	rs12804297	A	G	0.302	0.048	0.061	2.75E-10	-0.002	0.004	0.703	0.011	39.824	TRUE	4.59E-10
FVC	PAFAH1B2	cg01368799	rs139447106	T	C	-0.551	0.054	0.046	1.02E-24	-0.021	0.006	2.32E-04	0.028	105.308	TRUE	9.73E-23
FVC	PAFAH1B2	cg01368799	rs189189723	T	G	0.451	0.072	0.032	3.01E-10	0.005	0.007	0.452	0.011	39.646	TRUE	6.26E-10
FVC	PAFAH1B2	cg01368799	rs2075295	C	T	-0.236	0.027	0.256	6.89E-19	-0.004	0.003	0.143	0.021	78.752	TRUE	4.59E-18
FVC	PAFAH1B2	cg01368799	rs4938337	T	A	0.358	0.047	0.121	3.50E-14	0.020	0.004	1.83E-08	0.015	57.398	TRUE	2.98E-12
FVC	PAFAH1B2	cg01368799	rs538691858	T	C	-0.651	0.085	0.022	1.84E-14	-0.006	0.008	0.507	0.016	58.663	TRUE	4.74E-14
FVC	PAFAH1B2	cg01368799	rs564674	T	C	-0.145	0.024	0.398	9.33E-10	-0.003	0.002	0.213	0.010	37.440	TRUE	2.52E-09
FVC	PAFAH1B2	cg01368799	rs6589557	T	C	-0.286	0.025	0.298	2.46E-29	-0.002	0.003	0.417	0.033	126.377	TRUE	2.23E-28
FVC	PAFAH1B2	cg01368799	rs664059	C	T	-0.230	0.023	0.475	1.15E-22	-0.004	0.002	0.076	0.025	95.950	TRUE	1.43E-21
FVC	PAFAH1B2	cg01368799	rs71480323	A	G	0.313	0.037	0.116	3.73E-17	-0.004	0.004	0.302	0.019	70.878	TRUE	1.53E-16
FVC	PAFAH1B2	cg01368799	rs74853011	G	C	-0.377	0.053	0.053	1.43E-12	0.000	0.005	0.987	0.013	50.113	TRUE	2.09E-12
FVC	PAFAH1B2	cg01368799	rs75216569	G	A	-0.493	0.051	0.061	4.33E-22	-0.001	0.005	0.915	0.025	93.324	TRUE	1.12E-21
FVC	PAFAH1B2	cg10398005	rs2735181	C	T	0.174	0.024	0.382	4.63E-13	-0.009	0.002	1.70E-04	0.014	52.328	TRUE	9.37E-12
FVC	PAFAH1B2	cg10779718	rs10790164	A	G	-0.638	0.073	0.029	2.03E-18	-0.008	0.007	0.242	0.020	76.621	TRUE	1.03E-17
FVC	PAFAH1B2	cg10779718	rs10892007	T	C	-0.333	0.040	0.096	1.53E-16	0.003	0.004	0.502	0.018	68.099	TRUE	4.55E-16
FVC	PAFAH1B2	cg10779718	rs112009211	T	C	0.412	0.053	0.046	5.96E-15	-0.005	0.005	0.384	0.016	60.881	TRUE	1.84E-14
FVC	PAFAH1B2	cg10779718	rs11216136	G	T	-0.315	0.032	0.168	2.09E-23	-0.003	0.003	0.317	0.026	99.319	TRUE	1.38E-22
FVC	PAFAH1B2	cg10779718	rs12970	A	G	-0.591	0.051	0.062	4.44E-31	-0.002	0.005	0.747	0.035	134.340	TRUE	2.77E-30
FVC	PAFAH1B2	cg10779718	rs138378173	A	G	-0.533	0.081	0.023	4.13E-11	0.004	0.009	0.639	0.012	43.528	TRUE	7.55E-11
FVC	PAFAH1B2	cg10779718	rs1784041	T	C	0.442	0.046	0.132	1.64E-21	0.003	0.004	0.363	0.024	90.690	TRUE	8.57E-21
FVC	PAFAH1B2	cg10779718	rs189189723	T	G	0.500	0.072	0.032	2.92E-12	0.005	0.007	0.452	0.013	48.715	TRUE	6.90E-12
FVC	PAFAH1B2	cg10779718	rs2070669	C	G	-0.192	0.026	0.267	3.45E-13	-0.007	0.003	0.006	0.014	52.907	TRUE	3.40E-12
FVC	PAFAH1B2	cg10779718	rs2509212	G	C	0.187	0.025	0.348	3.52E-14	-0.001	0.003	0.825	0.015	57.390	TRUE	6.32E-14
FVC	PAFAH1B2	cg10779718	rs3891896	G	T	-0.186	0.029	0.191	3.07E-10	-0.006	0.003	0.048	0.011	39.606	TRUE	1.30E-09

FVC	PAFAH1B2	cg10779718	rs4938337	T	A	0.418	0.048	0.121	1.44E-18	0.020	0.004	1.83E-08	0.020	77.296	TRUE	2.89E-16
FVC	PAFAH1B2	cg10779718	rs4938355	G	A	-0.733	0.032	0.157	1.11E-117	0.000	0.003	0.971	0.126	531.570	TRUE	2.14E-111
FVC	PAFAH1B2	cg10779718	rs558056	T	G	0.249	0.024	0.379	4.00E-25	0.006	0.002	0.022	0.028	107.152	TRUE	1.12E-23
FVC	PAFAH1B2	cg10779718	rs558229	G	A	-0.406	0.030	0.186	4.26E-41	-0.002	0.003	0.470	0.046	180.158	TRUE	1.07E-39
FVC	PAFAH1B2	cg10779718	rs59781045	T	C	-0.664	0.046	0.066	1.55E-47	-0.022	0.005	3.34E-06	0.054	209.650	TRUE	1.54E-43
FVC	PAFAH1B2	cg10779718	rs6589557	T	C	-0.355	0.025	0.298	3.41E-44	-0.002	0.003	0.417	0.050	194.339	TRUE	1.36E-42
FVC	PAFAH1B2	cg10779718	rs71480323	A	G	0.399	0.037	0.116	7.90E-27	-0.004	0.004	0.302	0.030	114.930	TRUE	7.21E-26
FVC	PAFAH1B2	cg10779718	rs73012959	T	C	-0.514	0.083	0.042	5.07E-10	0.004	0.006	0.581	0.010	38.630	TRUE	9.24E-10
FVC	PAFAH1B2	cg10779718	rs7396061	A	C	-0.847	0.021	0.344	<1E-200	-0.010	0.003	7.85E-05	0.296	1553.425	TRUE	5.28E-292
FVC	PAFAH1B2	cg10779718	rs76380380	G	C	-0.718	0.115	0.027	3.76E-10	-0.003	0.008	0.659	0.010	39.213	TRUE	6.46E-10
FVC	PAFAH1B2	cg13046003	rs117117915	T	C	-0.900	0.089	0.021	8.04E-24	-0.013	0.008	0.116	0.027	101.212	TRUE	9.47E-23
FVC	PAFAH1B2	cg13046003	rs12271743	C	T	-1.031	0.063	0.036	1.01E-60	-0.015	0.006	0.024	0.068	270.088	TRUE	2.98E-57
FVC	PAFAH1B2	cg20270762	rs118138924	G	C	-0.325	0.057	0.041	1.14E-08	-0.007	0.005	0.220	0.009	32.572	TRUE	2.78E-08
FVC	PAFAH1B2	cg20270762	rs12273536	T	C	-0.336	0.050	0.063	2.76E-11	-0.001	0.005	0.928	0.012	44.314	TRUE	4.04E-11
FVC	PAFAH1B2	cg20270762	rs2075295	C	T	-0.148	0.027	0.256	2.97E-08	-0.004	0.003	0.143	0.008	30.709	TRUE	7.89E-08
FVC	PAFAH1B2	cg20270762	rs4938351	A	C	-0.473	0.024	0.383	7.73E-89	-0.009	0.002	1.70E-04	0.097	399.108	TRUE	5.96E-82
FVC	PAFAH1B2	cg20270762	rs4938369	T	C	-0.282	0.044	0.079	1.30E-10	-0.003	0.004	0.463	0.011	41.290	TRUE	2.72E-10
FVC	PAFAH1B2	cg20270762	rs538691858	T	C	-0.497	0.085	0.022	5.03E-09	-0.006	0.008	0.507	0.009	34.158	TRUE	9.26E-09
FVC	PAFAH1B2	cg20270762	rs6589557	T	C	-0.180	0.026	0.298	1.90E-12	-0.002	0.003	0.417	0.013	49.562	TRUE	4.71E-12
FVC	PAFAH1B2	cg20270762	rs664059	C	T	-0.160	0.024	0.475	9.11E-12	-0.004	0.002	0.076	0.012	46.485	TRUE	4.00E-11
FVC	PAFAH1B2	cg20270762	rs75428021	T	C	0.480	0.074	0.030	8.51E-11	0.006	0.007	0.409	0.011	42.115	TRUE	1.91E-10
FVC	PAFAH1B2	cg21014238	rs111519461	A	T	-0.636	0.099	0.028	1.08E-10	0.000	0.008	0.989	0.011	41.648	TRUE	1.46E-10
FVC	PAFAH1B2	cg21014238	rs11216109	G	C	-0.196	0.028	0.213	5.40E-12	-0.007	0.003	0.020	0.013	47.509	TRUE	3.56E-11
FVC	PAFAH1B2	cg21014238	rs11604424	C	T	-0.194	0.029	0.196	2.73E-11	-0.001	0.003	0.775	0.012	44.341	TRUE	4.46E-11
FVC	PAFAH1B2	cg21014238	rs117315666	T	G	-0.373	0.053	0.048	1.87E-12	0.007	0.006	0.202	0.013	49.587	TRUE	6.33E-12
FVC	PAFAH1B2	cg21014238	rs12282721	A	G	-0.206	0.037	0.099	2.22E-08	-0.007	0.004	0.067	0.008	31.275	TRUE	7.35E-08
FVC	PAFAH1B2	cg21014238	rs139447106	T	C	-0.312	0.053	0.046	4.76E-09	-0.021	0.006	2.32E-04	0.009	34.268	TRUE	4.59E-08
FVC	PAFAH1B2	cg21014238	rs1787688	C	T	0.144	0.024	0.341	3.15E-09	0.005	0.003	0.030	0.009	35.069	TRUE	1.36E-08
FVC	PAFAH1B2	cg21014238	rs2735181	C	T	-0.636	0.021	0.382	1.80E-196	-0.009	0.002	1.70E-04	0.195	893.703	TRUE	3.19E-176
FVC	PAFAH1B2	cg21014238	rs493173	A	G	0.321	0.045	0.129	1.24E-12	0.014	0.004	4.96E-05	0.013	50.393	TRUE	2.72E-11
FVC	PAFAH1B2	cg21014238	rs61906491	A	G	-0.398	0.053	0.144	7.98E-14	0.000	0.004	0.953	0.015	55.779	TRUE	1.27E-13
FVC	PAFAH1B2	cg21014238	rs71480323	A	G	0.202	0.037	0.116	4.67E-08	-0.004	0.004	0.302	0.008	29.834	TRUE	9.78E-08
FVC	PAFAH1B2	cg21014238	rs73006533	A	G	0.450	0.069	0.055	5.49E-11	-0.003	0.005	0.523	0.011	42.972	TRUE	1.12E-10
FVC	PAFAH1B2	cg21014238	rs73023045	G	A	0.310	0.048	0.117	1.29E-10	0.003	0.004	0.397	0.011	41.296	TRUE	2.95E-10
FVC	PAFAH1B2	cg21014238	rs75216569	G	A	-0.357	0.051	0.061	1.64E-12	-0.001	0.005	0.915	0.013	49.847	TRUE	2.53E-12
FVC	PARK7	cg00042356	rs10864351	C	A	-0.141	0.023	0.494	8.96E-10	0.006	0.002	0.016	0.010	37.519	TRUE	4.83E-09
FVC	PARK7	cg00042356	rs4908721	T	G	-0.196	0.023	0.428	3.02E-17	0.004	0.002	0.143	0.019	71.292	TRUE	1.76E-16
FVC	PARK7	cg00042356	rs6684694	G	T	-0.142	0.023	0.438	9.10E-10	0.003	0.002	0.172	0.010	37.488	TRUE	2.59E-09
FVC	PARK7	cg00042356	rs707474	A	G	0.151	0.025	0.341	6.82E-10	-0.006	0.003	0.022	0.010	38.050	TRUE	3.41E-09
FVC	PARK7	cg00042356	rs7517357	T	C	0.631	0.030	0.167	9.75E-97	-0.016	0.003	1.97E-07	0.105	435.380	TRUE	5.71E-88
FVC	PARK7	cg00042356	rs7524364	A	G	0.244	0.029	0.201	4.21E-17	-0.005	0.003	0.078	0.019	70.637	TRUE	3.16E-16
FVC	PARK7	cg00042356	rs76169514	C	G	-0.344	0.061	0.031	1.33E-08	0.007	0.006	0.295	0.009	32.276	TRUE	2.92E-08

FVC	PARK7	cg10385390	rs2066980	G	A	0.151	0.024	0.358	6.04E-10	0.003	0.002	0.265	0.010	38.287	TRUE	1.54E-09
FVC	PARK7	cg10385390	rs34157438	T	C	-0.364	0.032	0.168	1.01E-30	-0.016	0.003	2.70E-07	0.035	132.718	TRUE	1.02E-27
FVC	PARK7	cg10385390	rs585672	C	T	0.241	0.025	0.330	6.91E-22	0.004	0.003	0.124	0.024	92.398	TRUE	6.47E-21
FVC	PARK7	cg12809925	rs10746477	T	C	-0.199	0.026	0.291	6.43E-15	0.002	0.003	0.539	0.016	60.732	TRUE	1.64E-14
FVC	PARK7	cg12809925	rs113983996	A	G	-0.390	0.061	0.046	1.42E-10	0.002	0.005	0.665	0.011	41.112	TRUE	2.48E-10
FVC	PARK7	cg12809925	rs12087103	A	G	-0.477	0.023	0.416	4.53E-93	0.003	0.002	0.190	0.102	418.541	TRUE	7.06E-88
FVC	PARK7	cg12809925	rs12128296	A	G	0.155	0.025	0.332	4.50E-10	0.004	0.003	0.099	0.010	38.860	TRUE	1.57E-09
FVC	PARK7	cg12809925	rs35554366	C	T	0.308	0.030	0.188	9.03E-25	-0.012	0.003	4.78E-05	0.028	105.541	TRUE	1.23E-22
FVC	PARK7	cg12809925	rs4908677	T	C	0.135	0.023	0.458	8.71E-09	-0.006	0.002	0.012	0.009	33.091	TRUE	4.22E-08
FVC	PARK7	cg12809925	rs57892796	T	C	-0.228	0.028	0.232	5.05E-16	0.001	0.003	0.688	0.017	65.740	TRUE	1.16E-15
FVC	PARK7	cg12809925	rs697679	G	C	-0.177	0.029	0.228	6.13E-10	0.003	0.003	0.301	0.010	38.258	TRUE	1.48E-09
FVC	PARK7	cg12809925	rs707476	T	C	-0.214	0.025	0.328	5.41E-18	0.003	0.003	0.166	0.020	74.684	TRUE	3.11E-17
FVC	PARK7	cg12809925	rs79828101	A	G	-0.388	0.067	0.032	7.76E-09	-0.004	0.006	0.572	0.009	33.315	TRUE	1.33E-08
FVC	PARK7	cg15591616	rs4908488	C	T	0.412	0.041	0.173	9.36E-24	0.003	0.003	0.326	0.027	100.912	TRUE	6.17E-23
FVC	PARK7	cg15591616	rs61774166	G	T	0.357	0.058	0.081	6.11E-10	0.006	0.004	0.165	0.010	38.265	TRUE	1.83E-09
FVC	PARK7	cg16136678	rs379920	G	C	0.129	0.024	0.413	3.74E-08	0.006	0.002	0.009	0.008	30.262	TRUE	1.78E-07
FVC	PARK7	cg24342270	rs11121017	T	C	0.144	0.023	0.470	4.64E-10	-0.006	0.002	0.010	0.010	38.802	TRUE	2.86E-09
FVC	PARK7	cg24342270	rs12734704	G	A	-0.446	0.062	0.101	4.22E-13	0.002	0.004	0.637	0.014	52.510	TRUE	8.70E-13
FVC	PARK7	cg24342270	rs141355527	C	T	0.211	0.027	0.232	1.24E-14	0.004	0.003	0.111	0.016	59.446	TRUE	6.51E-14
FVC	PARK7	cg24342270	rs226249	T	C	-0.576	0.020	0.414	3.00E-179	0.006	0.002	0.010	0.180	814.532	TRUE	4.82E-163
FVC	PARK7	cg24342270	rs34639761	T	G	-0.137	0.023	0.420	4.34E-09	0.004	0.002	0.073	0.009	34.446	TRUE	1.47E-08
FVC	PARK7	cg24342270	rs55702221	A	G	0.206	0.037	0.223	3.26E-08	-0.002	0.003	0.427	0.008	30.528	TRUE	6.13E-08
FVC	PARK7	cg24342270	rs61774166	G	T	-0.386	0.056	0.081	5.98E-12	0.006	0.004	0.165	0.013	47.311	TRUE	2.12E-11
FVC	PARK7	cg24342270	rs6684255	C	T	-0.308	0.037	0.099	6.82E-17	0.003	0.004	0.390	0.018	69.685	TRUE	2.37E-16
FVC	PARK7	cg24342270	rs6703670	A	G	-0.494	0.081	0.054	1.04E-09	0.005	0.005	0.389	0.010	37.223	TRUE	2.25E-09
FVC	PARK7	cg24342270	rs79134628	A	T	-0.564	0.084	0.053	1.51E-11	-0.001	0.005	0.864	0.012	45.501	TRUE	2.33E-11
FVC	PARK7	cg24342270	rs9657998	G	A	-0.422	0.070	0.029	1.73E-09	0.001	0.006	0.825	0.010	36.233	TRUE	2.53E-09
FVC	PARK7	cg25007680	rs225123	G	A	-0.366	0.023	0.409	5.23E-58	0.007	0.002	0.004	0.065	257.642	TRUE	2.23E-54
FVC	PARK7	cg25007680	rs61774166	G	T	-0.310	0.056	0.081	3.73E-08	0.006	0.004	0.165	0.008	30.269	TRUE	9.59E-08
FVC	PARP1	cg02088626	rs10916003	T	C	0.158	0.027	0.254	4.42E-09	-0.005	0.003	0.066	0.009	34.412	TRUE	1.58E-08
FVC	PARP1	cg02088626	rs114745683	A	G	-0.388	0.062	0.037	3.03E-10	-0.017	0.006	0.003	0.011	39.633	TRUE	2.29E-09
FVC	PARP1	cg02088626	rs1299858	T	C	-0.189	0.027	0.229	6.70E-12	-0.004	0.003	0.178	0.013	47.088	TRUE	2.25E-11
FVC	PARP1	cg02088626	rs2048426	T	C	-0.449	0.024	0.325	2.99E-76	-0.006	0.003	0.010	0.084	341.327	TRUE	1.98E-71
FVC	PARP1	cg17127702	rs1017767	A	G	-0.287	0.044	0.070	4.06E-11	0.003	0.005	0.575	0.012	43.561	TRUE	7.88E-11
FVC	PARP1	cg17127702	rs10915983	C	T	0.208	0.024	0.425	1.20E-18	0.000	0.002	0.993	0.021	77.650	TRUE	2.33E-18
FVC	PARP1	cg17127702	rs10915988	G	A	-0.267	0.028	0.246	3.24E-22	0.002	0.003	0.566	0.025	93.894	TRUE	1.31E-21
FVC	PARP1	cg17127702	rs114745683	A	G	0.809	0.062	0.037	1.18E-38	-0.017	0.006	0.003	0.044	168.975	TRUE	3.41E-36
FVC	PARP1	cg17127702	rs11583820	A	G	0.800	0.077	0.022	2.62E-25	-0.004	0.007	0.529	0.028	107.995	TRUE	1.40E-24
FVC	PARP1	cg17127702	rs116200806	A	G	-0.376	0.058	0.045	9.05E-11	-0.003	0.006	0.649	0.011	41.993	TRUE	1.62E-10
FVC	PARP1	cg17127702	rs12035052	A	G	-0.159	0.029	0.215	4.10E-08	0.004	0.003	0.171	0.008	30.087	TRUE	1.02E-07
FVC	PARP1	cg17127702	rs12067270	T	C	-0.187	0.027	0.237	9.89E-12	0.001	0.003	0.752	0.012	46.325	TRUE	1.71E-11
FVC	PARP1	cg17127702	rs12122761	T	C	-0.181	0.030	0.179	1.16E-09	-0.003	0.003	0.322	0.010	37.015	TRUE	2.69E-09

FVC	PARP1	cg17127702	rs12134025	A	C	-0.158	0.028	0.209	1.93E-08	0.005	0.003	0.110	0.008	31.550	TRUE	5.68E-08
FVC	PARP1	cg17127702	rs12751898	T	C	0.230	0.024	0.410	6.97E-22	-0.005	0.002	0.037	0.024	92.380	TRUE	1.09E-20
FVC	PARP1	cg17127702	rs1288460	T	C	0.183	0.029	0.224	1.55E-10	-0.002	0.003	0.581	0.011	40.943	TRUE	2.94E-10
FVC	PARP1	cg17127702	rs149905768	A	G	0.344	0.049	0.059	1.64E-12	-0.004	0.005	0.353	0.013	49.843	TRUE	4.42E-12
FVC	PARP1	cg17127702	rs16846167	T	C	0.196	0.032	0.153	1.29E-09	-0.006	0.003	0.056	0.010	36.807	TRUE	5.13E-09
FVC	PARP1	cg17127702	rs360069	A	T	-0.168	0.026	0.311	7.00E-11	0.002	0.003	0.568	0.011	42.495	TRUE	1.36E-10
FVC	PARP1	cg17127702	rs4653728	T	C	1.162	0.028	0.146	<1E-200	-0.009	0.003	0.005	0.315	1700.122	TRUE	<1E-200
FVC	PARP1	cg17127702	rs4653747	G	A	-0.262	0.025	0.312	8.23E-25	-0.003	0.003	0.321	0.028	105.726	TRUE	5.90E-24
FVC	PARP1	cg17127702	rs56113429	A	C	0.291	0.041	0.085	8.35E-13	-0.004	0.004	0.381	0.014	51.170	TRUE	2.23E-12
FVC	PARP1	cg17127702	rs6426092	G	C	0.182	0.024	0.408	3.32E-14	0.001	0.002	0.765	0.015	57.502	TRUE	6.39E-14
FVC	PARP1	cg17127702	rs72757073	C	G	-0.276	0.037	0.116	1.11E-13	-0.006	0.004	0.135	0.015	55.133	TRUE	4.85E-13
FVC	PARP1	cg17127702	rs72762702	C	A	0.404	0.058	0.043	4.48E-12	0.006	0.005	0.276	0.013	47.875	TRUE	1.31E-11
FVC	PARP1	cg17127702	rs747659	T	C	-0.519	0.031	0.170	3.59E-62	0.000	0.003	0.934	0.070	276.735	TRUE	4.52E-60
FVC	PARP1	cg18022357	rs4653731	A	G	0.250	0.031	0.169	7.33E-16	0.001	0.003	0.876	0.017	65.008	TRUE	1.39E-15
FVC	PARP1	cg18590995	rs114745683	A	G	0.400	0.062	0.037	8.66E-11	-0.017	0.006	0.003	0.011	42.081	TRUE	7.04E-10
FVC	PARP1	cg18590995	rs11583820	A	G	0.453	0.076	0.022	2.25E-09	-0.004	0.007	0.529	0.010	35.727	TRUE	4.11E-09
FVC	PARP1	cg18590995	rs3219104	A	C	0.396	0.032	0.151	1.12E-34	-0.010	0.003	0.002	0.039	150.785	TRUE	2.40E-32
FVC	PARP1	cg23712594	rs1017767	A	G	-0.286	0.043	0.070	4.65E-11	0.003	0.005	0.575	0.012	43.296	TRUE	8.99E-11
FVC	PARP1	cg23712594	rs10915988	G	A	-0.153	0.028	0.246	3.10E-08	0.002	0.003	0.566	0.008	30.626	TRUE	5.16E-08
FVC	PARP1	cg23712594	rs114745683	A	G	0.457	0.063	0.037	3.13E-13	-0.017	0.006	0.003	0.014	53.095	TRUE	3.50E-12
FVC	PARP1	cg23712594	rs12751898	T	C	0.145	0.024	0.410	1.51E-09	-0.005	0.002	0.037	0.010	36.501	TRUE	6.48E-09
FVC	PARP1	cg23712594	rs1991865	A	G	-0.370	0.031	0.170	4.90E-32	0.001	0.003	0.876	0.036	138.713	TRUE	2.75E-31
FVC	PARP1	cg23712594	rs3219104	A	C	0.604	0.032	0.151	1.38E-77	-0.010	0.003	0.002	0.086	347.453	TRUE	3.10E-72
FVC	PARP1	cg24937136	rs1017767	A	G	-0.572	0.043	0.070	3.61E-40	0.003	0.005	0.575	0.045	175.909	TRUE	6.80E-39
FVC	PARP1	cg24937136	rs10915983	C	T	0.213	0.024	0.425	1.38E-19	0.000	0.002	0.993	0.022	81.928	TRUE	2.81E-19
FVC	PARP1	cg24937136	rs114745683	A	G	0.885	0.062	0.037	3.83E-46	-0.017	0.006	0.003	0.052	203.267	TRUE	3.18E-43
FVC	PARP1	cg24937136	rs11577545	T	C	0.166	0.029	0.210	9.05E-09	-0.004	0.003	0.199	0.009	33.018	TRUE	2.29E-08
FVC	PARP1	cg24937136	rs11579988	C	T	0.190	0.028	0.227	1.95E-11	0.000	0.003	0.969	0.012	44.994	TRUE	2.75E-11
FVC	PARP1	cg24937136	rs11583426	G	C	0.143	0.024	0.404	2.45E-09	0.003	0.002	0.240	0.010	35.560	TRUE	6.10E-09
FVC	PARP1	cg24937136	rs11583820	A	G	0.784	0.077	0.022	1.83E-24	-0.004	0.007	0.529	0.027	104.147	TRUE	9.15E-24
FVC	PARP1	cg24937136	rs116200806	A	G	-0.667	0.058	0.045	3.99E-31	-0.003	0.006	0.649	0.035	134.549	TRUE	2.89E-30
FVC	PARP1	cg24937136	rs12134025	A	C	-0.257	0.028	0.209	5.14E-20	0.005	0.003	0.110	0.022	83.880	TRUE	4.36E-19
FVC	PARP1	cg24937136	rs1219667	A	G	-0.268	0.040	0.085	1.39E-11	-0.003	0.004	0.417	0.012	45.652	TRUE	3.27E-11
FVC	PARP1	cg24937136	rs1288460	T	C	0.170	0.029	0.224	2.92E-09	-0.002	0.003	0.581	0.009	35.214	TRUE	5.15E-09
FVC	PARP1	cg24937136	rs149905768	A	G	0.345	0.049	0.059	1.38E-12	-0.004	0.005	0.353	0.013	50.181	TRUE	3.74E-12
FVC	PARP1	cg24937136	rs150096442	A	G	-0.724	0.084	0.023	1.03E-17	-0.009	0.008	0.244	0.019	73.414	TRUE	4.88E-17
FVC	PARP1	cg24937136	rs17521099	G	A	-0.246	0.041	0.086	2.13E-09	-0.001	0.004	0.851	0.010	35.828	TRUE	3.04E-09
FVC	PARP1	cg24937136	rs1870927	T	A	0.186	0.024	0.371	1.30E-14	-0.007	0.003	0.010	0.016	59.346	TRUE	1.38E-13
FVC	PARP1	cg24937136	rs2246221	G	A	-0.134	0.023	0.497	8.81E-09	0.000	0.002	0.908	0.009	33.070	TRUE	1.18E-08
FVC	PARP1	cg24937136	rs4149225	G	A	-0.164	0.025	0.354	2.91E-11	-0.002	0.003	0.398	0.012	44.214	TRUE	6.82E-11
FVC	PARP1	cg24937136	rs4653728	T	C	1.184	0.028	0.146	<1E-200	-0.009	0.003	0.005	0.323	1762.711	TRUE	<1E-200
FVC	PARP1	cg24937136	rs4653747	G	A	-0.316	0.025	0.312	1.28E-35	-0.003	0.003	0.321	0.040	155.092	TRUE	2.50E-34

FVC	PARP1	cg24937136	rs56306726	C	T	0.349	0.040	0.085	6.27E-18	-0.004	0.004	0.381	0.020	74.394	TRUE	2.41E-17
FVC	PARP1	cg24937136	rs584297	T	C	0.204	0.024	0.424	5.92E-18	-0.005	0.002	0.044	0.020	74.506	TRUE	5.72E-17
FVC	PARP1	cg24937136	rs58787117	G	A	-0.374	0.038	0.103	1.04E-22	0.001	0.004	0.850	0.025	96.141	TRUE	3.02E-22
FVC	PARP1	cg24937136	rs6668379	C	T	-0.332	0.028	0.241	1.55E-33	0.003	0.003	0.231	0.038	145.573	TRUE	3.14E-32
FVC	PARP1	cg24937136	rs697839	C	T	-0.176	0.024	0.480	2.85E-13	0.002	0.002	0.404	0.014	53.281	TRUE	7.62E-13
FVC	PARP1	cg24937136	rs72762702	C	A	0.372	0.058	0.043	1.71E-10	0.006	0.005	0.276	0.011	40.753	TRUE	4.45E-10
FVC	PARP1	cg24937136	rs75770789	A	G	-0.338	0.030	0.181	2.98E-30	-0.004	0.003	0.205	0.034	130.564	TRUE	4.93E-29
FVC	PARP1	cg24937136	rs878367	T	C	-1.049	0.027	0.169	<1E-200	0.000	0.003	0.912	0.286	1482.407	TRUE	8.74E-286
FVC	PCGF2	cg00089071	rs111834226	A	G	1.165	0.065	0.030	2.18E-71	0.006	0.006	0.306	0.079	319.009	TRUE	4.62E-68
FVC	PCGF2	cg00089071	rs228275	T	C	0.150	0.025	0.354	1.92E-09	0.003	0.003	0.242	0.010	36.034	TRUE	4.81E-09
FVC	PCGF2	cg00089071	rs9902888	A	T	0.203	0.033	0.154	6.30E-10	0.000	0.003	0.991	0.010	38.206	TRUE	8.18E-10
FVC	PCGF2	cg02433498	rs68075021	G	T	-0.333	0.034	0.137	7.11E-23	-0.010	0.003	0.003	0.026	96.898	TRUE	2.78E-21
FVC	PCGF2	cg18896448	rs34727469	T	C	-0.272	0.034	0.131	2.16E-15	-0.009	0.003	0.009	0.017	62.883	TRUE	2.54E-14
FVC	PCGF2	cg21692159	rs146712295	T	C	-0.535	0.079	0.024	1.58E-11	0.028	0.009	0.001	0.012	45.406	TRUE	1.70E-10
FVC	PCGF2	cg21692159	rs2879097	T	C	-0.164	0.028	0.238	2.98E-09	-0.004	0.003	0.121	0.009	35.180	TRUE	9.38E-09
FVC	PCGF2	cg21692159	rs3785457	T	C	0.185	0.032	0.168	8.49E-09	0.000	0.003	0.905	0.009	33.142	TRUE	1.14E-08
FVC	PCGF2	cg23302321	rs12601476	C	T	-0.144	0.023	0.495	5.07E-10	0.002	0.002	0.444	0.010	38.630	TRUE	1.04E-09
FVC	PCGF2	cg24539380	rs11658048	A	G	-0.738	0.028	0.209	3.63E-157	-0.005	0.003	0.067	0.162	713.021	TRUE	1.06E-144
FVC	PCGF2	cg24539380	rs146712295	T	C	-0.679	0.079	0.024	8.63E-18	0.028	0.009	0.001	0.020	73.763	TRUE	2.15E-16
FVC	PCGF2	cg24539380	rs1811251	G	A	0.352	0.030	0.178	9.43E-32	-0.004	0.003	0.248	0.036	137.414	TRUE	1.57E-30
FVC	PCGF2	cg24539380	rs77536527	G	A	-0.698	0.094	0.014	1.44E-13	-0.004	0.010	0.697	0.015	54.626	TRUE	2.87E-13
FVC	PCGF2	cg24539380	rs78737686	C	T	-0.174	0.024	0.492	1.81E-13	-0.003	0.002	0.145	0.014	54.171	TRUE	7.39E-13
FVC	PCGF2	cg24539380	rs8071479	A	G	0.178	0.025	0.312	1.79E-12	0.003	0.003	0.289	0.013	49.672	TRUE	5.36E-12
FVC	PCGF2	cg24539380	rs9916617	C	T	0.216	0.031	0.169	2.28E-12	0.005	0.003	0.090	0.013	49.203	TRUE	1.01E-11
FVC	PDCD6	cg01128531	rs113365845	A	G	-0.443	0.065	0.032	7.62E-12	0.007	0.006	0.243	0.013	46.836	TRUE	2.29E-11
FVC	PDCD6	cg01128531	rs116314028	T	C	0.253	0.039	0.110	1.30E-10	-0.011	0.004	0.006	0.011	41.292	TRUE	9.47E-10
FVC	PDCD6	cg01128531	rs12152767	A	G	-0.514	0.066	0.034	5.37E-15	0.001	0.006	0.939	0.016	61.088	TRUE	9.23E-15
FVC	PDCD6	cg01128531	rs151191270	T	C	-0.452	0.080	0.026	1.75E-08	-0.015	0.008	0.054	0.009	31.739	TRUE	6.17E-08
FVC	PDCD6	cg01128531	rs2292631	T	C	-0.180	0.024	0.376	6.24E-14	0.007	0.003	0.006	0.015	56.263	TRUE	6.84E-13
FVC	PDCD6	cg01128531	rs35342079	G	A	0.208	0.024	0.427	2.16E-18	-0.005	0.002	0.027	0.020	76.501	TRUE	2.49E-17
FVC	PDCD6	cg01128531	rs4957014	T	G	-0.657	0.026	0.235	5.88E-138	0.005	0.003	0.064	0.144	624.741	TRUE	8.23E-128
FVC	PDCD6	cg01128531	rs58960904	G	T	0.191	0.030	0.199	2.06E-10	0.003	0.003	0.312	0.011	40.391	TRUE	5.03E-10
FVC	PDCD6	cg01128531	rs60425043	C	A	0.171	0.026	0.274	9.02E-11	-0.007	0.003	0.008	0.011	42.001	TRUE	6.02E-10
FVC	PDCD6	cg01128531	rs74940478	A	G	-0.520	0.090	0.015	8.37E-09	0.020	0.011	0.078	0.009	33.169	TRUE	2.77E-08
FVC	PDCD6	cg01128531	rs77939188	G	C	-0.484	0.084	0.022	8.86E-09	0.013	0.008	0.121	0.009	33.059	TRUE	2.62E-08
FVC	PDCD6	cg06047773	rs145029284	A	G	-0.357	0.056	0.042	2.03E-10	-0.010	0.006	0.077	0.011	40.420	TRUE	7.94E-10
FVC	PDCD6	cg09097916	rs7706416	G	A	0.152	0.027	0.245	3.23E-08	0.004	0.003	0.183	0.008	30.547	TRUE	8.07E-08
FVC	PDCD6	cg20990478	rs28581737	A	G	-0.241	0.026	0.291	3.93E-21	0.009	0.003	5.01E-04	0.023	88.962	TRUE	1.87E-19
FVC	PDHB	cg07576186	rs10866014	T	A	-0.845	0.021	0.352	<1E-200	0.003	0.003	0.225	0.297	1561.252	TRUE	1.55E-297
FVC	PDHB	cg07576186	rs11130661	G	A	-0.289	0.038	0.107	3.31E-14	0.006	0.004	0.118	0.015	57.509	TRUE	1.59E-13
FVC	PDHB	cg07576186	rs115994397	A	C	-0.387	0.069	0.032	2.41E-08	0.013	0.007	0.053	0.008	31.113	TRUE	8.41E-08
FVC	PDHB	cg07576186	rs11709125	G	C	0.167	0.027	0.257	4.88E-10	0.002	0.003	0.554	0.010	38.704	TRUE	9.10E-10

FVC	PDHB	cg07576186	rs11710000	A	T	0.544	0.056	0.046	3.17E-22	-0.001	0.006	0.805	0.025	93.943	TRUE	9.45E-22
FVC	PDHB	cg07576186	rs11712230	T	C	0.138	0.024	0.406	6.32E-09	0.004	0.002	0.132	0.009	33.716	TRUE	1.84E-08
FVC	PDHB	cg07576186	rs12492879	A	G	-0.738	0.104	0.026	1.33E-12	-0.003	0.009	0.697	0.013	50.257	TRUE	2.51E-12
FVC	PDHB	cg07576186	rs138186634	T	C	-0.702	0.074	0.048	1.45E-21	0.005	0.005	0.332	0.024	90.936	TRUE	7.94E-21
FVC	PDHB	cg07576186	rs166541	G	A	0.248	0.024	0.488	1.36E-25	-0.010	0.002	1.82E-05	0.029	109.288	TRUE	2.49E-23
FVC	PDHB	cg07576186	rs191599511	A	C	0.440	0.075	0.022	3.75E-09	-0.001	0.008	0.896	0.009	34.728	TRUE	5.12E-09
FVC	PDHB	cg07576186	rs2362899	A	G	-0.557	0.071	0.063	4.59E-15	0.006	0.005	0.292	0.016	61.397	TRUE	1.64E-14
FVC	PDHB	cg07576186	rs2362902	C	A	0.329	0.024	0.383	3.56E-43	-0.005	0.002	0.046	0.049	189.675	TRUE	6.27E-41
FVC	PDHB	cg07576186	rs2577319	T	C	-0.168	0.025	0.370	8.16E-12	0.003	0.003	0.175	0.012	46.702	TRUE	2.72E-11
FVC	PDHB	cg07576186	rs28404421	A	G	0.500	0.061	0.042	1.66E-16	-0.008	0.006	0.170	0.018	67.928	TRUE	8.48E-16
FVC	PDHB	cg07576186	rs34489489	C	T	0.453	0.031	0.172	7.66E-48	-0.002	0.003	0.544	0.054	211.049	TRUE	3.46E-46
FVC	PDHB	cg07576186	rs34968752	A	C	-0.268	0.030	0.196	2.76E-19	0.007	0.003	0.017	0.021	80.559	TRUE	4.15E-18
FVC	PDHB	cg07576186	rs4284950	C	T	-0.276	0.037	0.116	1.33E-13	0.001	0.004	0.814	0.015	54.776	TRUE	2.39E-13
FVC	PDHB	cg07576186	rs58008947	T	C	0.207	0.037	0.115	1.96E-08	-0.005	0.004	0.226	0.008	31.512	TRUE	4.69E-08
FVC	PDHB	cg07576186	rs6445991	A	G	-0.178	0.031	0.176	1.48E-08	0.006	0.003	0.079	0.009	32.065	TRUE	4.82E-08
FVC	PDHB	cg07576186	rs6795193	T	C	-0.764	0.024	0.308	1.33E-230	0.004	0.003	0.166	0.221	1050.636	TRUE	7.31E-208
FVC	PDHB	cg07576186	rs6796069	T	C	0.593	0.024	0.322	2.57E-135	-0.005	0.003	0.072	0.142	612.607	TRUE	1.71E-125
FVC	PDHB	cg07576186	rs73077909	A	G	-0.736	0.045	0.066	4.83E-61	0.005	0.005	0.294	0.068	271.558	TRUE	2.28E-58
FVC	PDHB	cg07576186	rs73081554	T	C	0.552	0.045	0.074	2.75E-34	0.005	0.005	0.257	0.039	149.000	TRUE	5.72E-33
FVC	PDHB	cg07576186	rs73835185	A	G	0.493	0.084	0.022	5.16E-09	0.002	0.008	0.826	0.009	34.110	TRUE	7.32E-09
FVC	PDHB	cg07576186	rs74562361	C	T	-0.634	0.065	0.033	3.27E-22	0.002	0.007	0.733	0.025	93.876	TRUE	1.07E-21
FVC	PDHB	cg07576186	rs7625947	C	T	0.512	0.023	0.370	1.26E-106	0.002	0.003	0.419	0.115	480.797	TRUE	1.14E-100
FVC	PDHB	cg07576186	rs76361678	C	T	-0.701	0.087	0.018	9.80E-16	0.022	0.008	0.008	0.017	64.436	TRUE	1.24E-14
FVC	PDHB	cg07576186	rs77546328	G	T	0.414	0.056	0.049	1.27E-13	-0.009	0.006	0.114	0.015	54.867	TRUE	5.88E-13
FVC	PDHB	cg07576186	rs80207275	T	C	-0.600	0.104	0.021	9.09E-09	0.007	0.007	0.332	0.009	33.009	TRUE	1.95E-08
FVC	PDHB	cg26110898	rs11709125	G	C	-0.159	0.027	0.257	2.79E-09	0.002	0.003	0.554	0.009	35.309	TRUE	4.98E-09
FVC	PDHB	cg26110898	rs11927183	C	T	0.756	0.021	0.362	4.09E-276	0.005	0.002	0.044	0.254	1259.934	TRUE	2.37E-244
FVC	PDHB	cg26110898	rs12638974	T	C	-0.255	0.024	0.350	1.03E-25	-0.006	0.003	0.023	0.029	109.845	TRUE	2.93E-24
FVC	PDHB	cg26110898	rs138215227	A	G	-0.288	0.050	0.059	6.87E-09	0.001	0.005	0.871	0.009	33.553	TRUE	9.39E-09
FVC	PDHB	cg26110898	rs166541	G	A	-0.137	0.024	0.488	7.63E-09	-0.010	0.002	1.82E-05	0.009	33.349	TRUE	9.49E-08
FVC	PDHB	cg26110898	rs1718473	A	G	0.266	0.048	0.074	3.96E-08	0.005	0.005	0.286	0.008	30.154	TRUE	8.51E-08
FVC	PDHB	cg26110898	rs17745671	T	G	0.522	0.077	0.025	1.15E-11	-0.006	0.008	0.481	0.012	46.030	TRUE	2.54E-11
FVC	PDHB	cg26110898	rs28709490	A	C	0.135	0.024	0.423	1.97E-08	0.005	0.002	0.053	0.008	31.509	TRUE	6.83E-08
FVC	PDHB	cg26110898	rs34968752	A	C	0.199	0.030	0.196	2.89E-11	0.007	0.003	0.017	0.012	44.229	TRUE	1.78E-10
FVC	PDHB	cg26110898	rs4387990	A	G	0.247	0.023	0.464	1.07E-26	0.004	0.002	0.088	0.030	114.330	TRUE	1.84E-25
FVC	PDHB	cg26110898	rs4681675	T	G	-0.273	0.023	0.470	5.46E-32	-0.001	0.002	0.804	0.036	138.499	TRUE	3.37E-31
FVC	PDHB	cg26110898	rs4681688	G	A	-0.210	0.026	0.290	4.12E-16	0.004	0.003	0.097	0.018	66.145	TRUE	2.48E-15
FVC	PDHB	cg26110898	rs62258099	C	T	-0.326	0.052	0.053	4.42E-10	-0.004	0.005	0.456	0.010	38.897	TRUE	9.11E-10
FVC	PDHB	cg26110898	rs73077909	A	G	0.433	0.045	0.066	9.59E-22	0.005	0.005	0.294	0.024	91.750	TRUE	5.75E-21
FVC	PDHB	cg26110898	rs74377825	A	G	-0.326	0.040	0.095	1.75E-16	0.000	0.004	0.992	0.018	67.830	TRUE	3.03E-16
FVC	PDHB	cg26110898	rs9817472	T	C	-0.322	0.042	0.083	3.08E-14	0.000	0.004	0.947	0.015	57.650	TRUE	5.05E-14
FVC	PDLIM1	cg02338345	rs11599546	A	G	0.298	0.023	0.490	1.00E-37	0.002	0.002	0.506	0.043	164.731	TRUE	1.69E-36

FVC	PDLIM1	cg02338345	rs1556054	A	G	0.380	0.044	0.080	3.28E-18	0.009	0.004	0.047	0.020	75.670	TRUE	3.19E-17
FVC	PDLIM1	cg02338345	rs201889159	T	A	0.172	0.027	0.247	1.62E-10	0.008	0.003	0.004	0.011	40.855	TRUE	1.25E-09
FVC	PDLIM1	cg02338345	rs34409900	G	A	-0.261	0.037	0.106	1.52E-12	0.000	0.004	0.957	0.013	49.998	TRUE	2.28E-12
FVC	PDLIM1	cg02338345	rs7916334	G	C	0.181	0.024	0.369	7.32E-14	0.003	0.002	0.192	0.015	55.950	TRUE	2.91E-13
FVC	PDLIM1	cg06542614	rs12219240	G	C	0.474	0.033	0.146	1.17E-45	-0.001	0.003	0.664	0.052	201.039	TRUE	3.31E-44
FVC	PDLIM1	cg08925046	rs10882572	C	A	-0.281	0.024	0.411	1.02E-31	-0.001	0.002	0.550	0.036	137.257	TRUE	8.93E-31
FVC	PDLIM1	cg08925046	rs117363163	T	C	0.950	0.157	0.014	1.58E-09	0.004	0.009	0.711	0.010	36.412	TRUE	2.52E-09
FVC	PDLIM1	cg08925046	rs2477534	C	G	0.205	0.024	0.349	2.50E-17	-0.001	0.003	0.811	0.019	71.669	TRUE	5.49E-17
FVC	PDLIM1	cg08925046	rs45535939	C	T	1.070	0.035	0.107	9.03E-211	0.000	0.004	0.903	0.206	959.450	TRUE	8.16E-193
FVC	PDLIM1	cg08925046	rs76672094	A	G	0.224	0.040	0.087	1.71E-08	-0.002	0.004	0.688	0.009	31.780	TRUE	2.64E-08
FVC	PDLIM1	cg08925046	rs78496913	C	T	0.543	0.071	0.025	1.59E-14	0.004	0.007	0.526	0.016	58.957	TRUE	4.00E-14
FVC	PDLIM1	cg08925046	rs7917992	G	A	-0.191	0.027	0.259	6.73E-13	0.007	0.003	0.009	0.014	51.593	TRUE	5.81E-12
FVC	PDLIM1	cg10266121	rs7101278	A	G	0.293	0.026	0.290	2.64E-30	-0.006	0.003	0.029	0.034	130.800	TRUE	1.11E-28
FVC	PDLIM1	cg18389639	rs11599546	A	G	0.181	0.023	0.490	1.14E-14	0.002	0.002	0.506	0.016	59.606	TRUE	2.97E-14
FVC	PDLIM1	cg18389639	rs12219240	G	C	0.551	0.033	0.146	1.99E-61	-0.001	0.003	0.664	0.069	273.324	TRUE	3.79E-59
FVC	PDLIM1	cg18389639	rs1556054	A	G	0.399	0.044	0.080	9.53E-20	0.009	0.004	0.047	0.022	82.660	TRUE	1.08E-18
FVC	PDLIM1	cg18389639	rs45546031	T	C	-0.264	0.040	0.210	4.70E-11	-0.006	0.003	0.035	0.012	43.275	TRUE	2.39E-10
FVC	PDLIM1	cg18389639	rs61886764	C	T	-0.299	0.053	0.051	1.70E-08	0.009	0.005	0.075	0.009	31.789	TRUE	5.50E-08
FVC	PDLIM1	cg18389639	rs7907756	T	C	0.315	0.052	0.054	2.07E-09	0.005	0.005	0.390	0.010	35.888	TRUE	4.36E-09
FVC	PDLIM1	cg19190632	rs6583987	A	C	-0.223	0.026	0.292	4.56E-18	-0.005	0.003	0.038	0.020	75.023	TRUE	4.74E-17
FVC	PDLIM1	cg20714347	rs12415795	T	C	-0.250	0.024	0.411	1.11E-25	-0.001	0.002	0.590	0.029	109.692	TRUE	5.65E-25
FVC	PDLIM1	cg20714347	rs12782626	G	A	-0.192	0.035	0.134	4.18E-08	-0.002	0.004	0.632	0.008	30.049	TRUE	6.59E-08
FVC	PDLIM1	cg20714347	rs7899746	T	C	0.141	0.023	0.409	2.16E-09	0.005	0.002	0.051	0.010	35.801	TRUE	8.50E-09
FVC	PDLIM1	cg25968326	rs6583989	T	C	0.304	0.034	0.148	1.50E-19	-0.002	0.003	0.616	0.022	81.768	TRUE	4.70E-19
FVC	PIAS4	cg13573375	rs12971836	T	C	-0.295	0.028	0.206	7.86E-26	-0.002	0.003	0.429	0.029	110.378	TRUE	5.16E-25
FVC	PIAS4	cg13573375	rs183843320	G	A	0.864	0.136	0.014	2.01E-10	0.005	0.010	0.637	0.011	40.439	TRUE	3.56E-10
FVC	PIAS4	cg13573375	rs1867696	C	T	0.971	0.022	0.263	<1E-200	0.004	0.003	0.166	0.350	1994.278	TRUE	<1E-200
FVC	PIAS4	cg13573375	rs2304194	G	A	0.184	0.024	0.399	1.38E-14	0.003	0.002	0.293	0.016	59.234	TRUE	4.70E-14
FVC	PIAS4	cg13573375	rs350876	T	C	-0.281	0.027	0.252	4.87E-26	0.001	0.003	0.790	0.029	111.326	TRUE	1.92E-25
FVC	PIAS4	cg13573375	rs350898	A	G	0.404	0.026	0.265	9.09E-53	0.003	0.003	0.230	0.059	233.618	TRUE	1.84E-50
FVC	PIAS4	cg13573375	rs7248231	T	C	0.778	0.057	0.048	6.28E-43	-0.020	0.006	0.001	0.048	188.545	TRUE	5.01E-40
FVC	PIAS4	cg13573375	rs72976912	T	C	0.964	0.073	0.024	3.62E-40	0.008	0.007	0.243	0.045	175.905	TRUE	1.47E-38
FVC	PIAS4	cg24479928	rs7248231	T	C	0.504	0.056	0.048	4.55E-19	-0.020	0.006	0.001	0.021	79.572	TRUE	1.39E-17
FVC	PIK3CD	cg03653801	rs4333853	G	A	-0.152	0.023	0.473	7.97E-11	-0.002	0.002	0.368	0.011	42.242	TRUE	1.90E-10
FVC	PIK3CD	cg03653801	rs74338407	T	C	-0.549	0.093	0.036	3.84E-09	-0.003	0.006	0.660	0.009	34.685	TRUE	6.24E-09
FVC	PIK3CD	cg04162034	rs11586485	A	G	-0.302	0.050	0.107	1.30E-09	-0.001	0.004	0.848	0.010	36.799	TRUE	1.86E-09
FVC	PIK3CD	cg04162034	rs2119508	A	G	-0.357	0.053	0.097	1.35E-11	-0.005	0.004	0.174	0.012	45.713	TRUE	4.51E-11
FVC	PIK3CD	cg04162034	rs74925829	T	C	-1.771	0.085	0.017	2.29E-95	-0.012	0.009	0.153	0.104	429.082	TRUE	7.24E-90
FVC	PIK3CD	cg04162034	rs9430196	A	G	-0.281	0.034	0.141	4.67E-17	-0.002	0.003	0.486	0.019	70.433	TRUE	1.46E-16
FVC	PIK3CD	cg04608004	rs1135427	G	T	-0.193	0.024	0.438	7.17E-16	0.000	0.002	0.923	0.017	65.050	TRUE	1.29E-15
FVC	PIK3CD	cg07805542	rs11121516	T	C	0.242	0.036	0.121	1.41E-11	0.006	0.004	0.086	0.012	45.629	TRUE	5.94E-11
FVC	PIK3CD	cg07805542	rs1135427	G	T	0.216	0.024	0.438	2.52E-19	0.000	0.002	0.923	0.021	80.736	TRUE	5.45E-19

FVC	PIK3CD	cg07805542	rs12564733	T	A	1.148	0.044	0.064	9.57E-148	0.001	0.005	0.858	0.153	669.725	TRUE	3.72E-138
FVC	PIK3CD	cg07805542	rs145362080	C	A	0.666	0.108	0.012	6.53E-10	-0.019	0.009	0.036	0.010	38.136	TRUE	2.92E-09
FVC	PIK3CD	cg07805542	rs147961171	C	G	0.804	0.110	0.011	2.36E-13	0.018	0.012	0.124	0.014	53.654	TRUE	1.04E-12
FVC	PIK3CD	cg07805542	rs56153814	C	T	0.465	0.043	0.089	5.95E-27	-0.004	0.004	0.337	0.030	115.491	TRUE	5.09E-26
FVC	PIK3CD	cg07805542	rs72869650	A	G	0.166	0.030	0.186	4.09E-08	-0.002	0.003	0.463	0.008	30.089	TRUE	7.37E-08
FVC	PIK3CD	cg11947782	rs10746492	C	T	-0.147	0.025	0.358	3.41E-09	-0.002	0.003	0.517	0.009	34.916	TRUE	6.22E-09
FVC	PIK3CD	cg11947782	rs140188093	A	G	-0.351	0.063	0.040	3.02E-08	-0.017	0.006	0.005	0.008	30.681	TRUE	1.66E-07
FVC	PIK3CD	cg11947782	rs7518602	C	T	-0.135	0.024	0.392	2.08E-08	-0.002	0.002	0.410	0.008	31.405	TRUE	4.02E-08
FVC	PIK3CD	cg11980800	rs6540985	G	A	0.185	0.025	0.315	2.12E-13	0.000	0.003	0.957	0.014	53.862	TRUE	3.27E-13
FVC	PIK3CD	cg13457410	rs10864439	G	T	0.230	0.037	0.254	2.91E-10	0.000	0.003	0.925	0.011	39.714	TRUE	4.10E-10
FVC	PIK3CD	cg13457410	rs1135427	G	T	0.463	0.024	0.438	1.63E-86	0.000	0.002	0.923	0.095	388.441	TRUE	7.94E-83
FVC	PIK3CD	cg13457410	rs1619083	T	C	0.510	0.078	0.045	5.58E-11	-0.009	0.005	0.105	0.011	42.938	TRUE	2.08E-10
FVC	PIK3CD	cg13457410	rs4076440	G	A	0.269	0.045	0.074	2.88E-09	-0.007	0.004	0.107	0.009	35.242	TRUE	9.27E-09
FVC	PIK3CD	cg13457410	rs5017476	G	A	0.250	0.031	0.163	4.96E-16	-0.006	0.003	0.036	0.017	65.778	TRUE	4.36E-15
FVC	PIK3CD	cg13457410	rs61785179	A	G	0.278	0.038	0.117	1.34E-13	-0.007	0.004	0.072	0.015	54.757	TRUE	7.28E-13
FVC	PIK3CD	cg13457410	rs9430574	A	G	0.263	0.025	0.319	6.00E-26	0.000	0.003	0.927	0.029	110.914	TRUE	1.96E-25
FVC	PIK3CD	cg15701170	rs1135427	G	T	-0.204	0.024	0.438	1.58E-17	0.000	0.002	0.923	0.019	72.573	TRUE	3.09E-17
FVC	PIK3CD	cg15701170	rs12564733	T	A	-0.279	0.046	0.064	1.62E-09	0.001	0.005	0.858	0.010	36.368	TRUE	2.30E-09
FVC	PIK3CD	cg16895792	rs7518602	C	T	-0.177	0.024	0.392	6.53E-14	-0.002	0.002	0.410	0.015	56.174	TRUE	1.82E-13
FVC	PIK3CD	cg20681184	rs4601595	T	G	-0.216	0.023	0.475	1.84E-20	-0.002	0.002	0.482	0.023	85.907	TRUE	7.40E-20
FVC	PIK3CD	cg20994801	rs146783463	A	G	-0.423	0.071	0.023	3.05E-09	0.004	0.007	0.609	0.009	35.132	TRUE	5.20E-09
FVC	PIK3CD	cg20994801	rs185946657	A	C	-0.508	0.078	0.024	9.70E-11	0.000	0.008	0.996	0.011	41.859	TRUE	1.30E-10
FVC	PIK3CD	cg20994801	rs57834427	A	G	-0.510	0.030	0.186	1.15E-65	0.001	0.003	0.847	0.073	292.766	TRUE	2.73E-63
FVC	PIK3CD	cg22045271	rs7518602	C	T	-0.146	0.024	0.392	7.17E-10	-0.002	0.002	0.410	0.010	37.955	TRUE	1.53E-09
FVC	PIK3CD	cg23098018	rs76822479	C	A	0.464	0.084	0.022	3.08E-08	-0.020	0.008	0.010	0.008	30.640	TRUE	1.46E-07
FVC	PIK3CD	cg23251761	rs79423094	T	C	0.214	0.037	0.119	5.32E-09	0.004	0.004	0.224	0.009	34.051	TRUE	1.33E-08
FVC	PIK3CD	cg23799532	rs147760460	T	C	-0.398	0.069	0.034	7.37E-09	-0.012	0.007	0.079	0.009	33.416	TRUE	2.45E-08
FVC	PIK3CD	cg24859236	rs4601595	T	G	-0.130	0.023	0.475	2.94E-08	-0.002	0.002	0.482	0.008	30.732	TRUE	5.27E-08
FVC	PIK3CD	cg26573321	rs11121480	T	C	0.441	0.040	0.089	5.67E-28	-0.002	0.004	0.702	0.031	120.151	TRUE	2.94E-27
FVC	PIK3CD	cg26573321	rs12041599	G	C	0.594	0.059	0.044	3.90E-24	-0.004	0.006	0.498	0.027	102.646	TRUE	2.01E-23
FVC	PIK3CD	cg26573321	rs12563790	C	G	0.211	0.030	0.193	8.63E-13	0.000	0.003	0.889	0.014	51.106	TRUE	1.38E-12
FVC	PIK3CD	cg26573321	rs12725898	T	G	-0.132	0.023	0.472	1.73E-08	0.002	0.002	0.467	0.009	31.761	TRUE	3.20E-08
FVC	PIK3CD	cg26573321	rs17412703	T	C	0.242	0.043	0.082	1.64E-08	-0.002	0.004	0.611	0.009	31.863	TRUE	2.68E-08
FVC	PIK3CD	cg26573321	rs2582976	A	T	0.177	0.025	0.361	1.13E-12	-0.002	0.003	0.514	0.013	50.579	TRUE	2.54E-12
FVC	PIK3CD	cg26573321	rs4240895	T	C	0.745	0.022	0.388	1.42E-243	-0.002	0.002	0.407	0.231	1110.288	TRUE	2.26E-219
FVC	PIK3CD	cg26573321	rs57883760	G	A	0.243	0.023	0.412	3.49E-25	-0.002	0.002	0.369	0.028	107.422	TRUE	2.37E-24
FVC	PIK3CD	cg26573321	rs61783043	A	G	0.394	0.040	0.101	4.94E-23	-0.006	0.004	0.148	0.026	97.616	TRUE	4.81E-22
FVC	PIK3R1	cg00559992	rs4122269	C	T	0.165	0.025	0.342	1.80E-11	-0.005	0.003	0.063	0.012	45.157	TRUE	8.11E-11
FVC	PIK3R1	cg00559992	rs72757693	A	G	0.567	0.033	0.131	7.92E-65	0.000	0.003	0.986	0.072	288.915	TRUE	1.28E-62
FVC	PIK3R1	cg00559992	rs79665758	T	A	0.567	0.094	0.016	1.55E-09	0.000	0.009	0.997	0.010	36.445	TRUE	1.99E-09
FVC	PIK3R1	cg00559992	rs80091534	T	G	0.477	0.077	0.025	6.37E-10	0.008	0.009	0.369	0.010	38.184	TRUE	1.41E-09
FVC	PIK3R1	cg01105385	rs76410712	A	C	0.602	0.095	0.016	2.44E-10	-0.004	0.009	0.669	0.011	40.054	TRUE	4.19E-10

FVC	PIK3R1	cg01239651	rs73769904	T	A	-0.288	0.042	0.083	5.31E-12	-0.005	0.004	0.226	0.013	47.543	TRUE	1.68E-11
FVC	PIK3R1	cg02271687	rs695166	C	G	-0.195	0.025	0.288	1.76E-14	0.004	0.003	0.132	0.016	58.750	TRUE	8.56E-14
FVC	PIK3R1	cg08945395	rs114414945	C	T	0.595	0.097	0.014	7.81E-10	-0.007	0.009	0.426	0.010	37.787	TRUE	1.62E-09
FVC	PIK3R1	cg09101894	rs67913607	C	T	-0.167	0.027	0.251	6.21E-10	0.007	0.003	0.008	0.010	38.235	TRUE	3.77E-09
FVC	PIK3R1	cg15021292	rs138714861	G	C	-2.225	0.100	0.019	1.01E-109	-0.010	0.009	0.264	0.118	495.021	TRUE	3.45E-103
FVC	PIK3R1	cg15021292	rs173701	C	G	-0.159	0.028	0.225	1.26E-08	0.001	0.003	0.827	0.009	32.371	TRUE	1.76E-08
FVC	PIK3R1	cg15021292	rs6886884	G	A	-0.205	0.028	0.233	1.10E-13	0.001	0.003	0.654	0.015	55.143	TRUE	2.28E-13
FVC	PIK3R1	cg15021292	rs77064062	T	C	-0.470	0.083	0.021	1.34E-08	-0.015	0.008	0.062	0.009	32.259	TRUE	4.58E-08
FVC	PIK3R1	cg18104285	rs706713	T	C	0.219	0.027	0.247	4.62E-16	0.001	0.003	0.736	0.018	65.917	TRUE	1.02E-15
FVC	PIK3R1	cg20439288	rs80193740	T	C	0.951	0.097	0.014	1.46E-22	-0.007	0.009	0.476	0.025	95.471	TRUE	6.93E-22
FVC	PIK3R1	cg24797508	rs67913607	C	T	-0.185	0.027	0.251	7.14E-12	0.007	0.003	0.008	0.013	46.963	TRUE	5.50E-11
FVC	PIK3R1	cg26878542	rs16897601	G	A	0.215	0.029	0.203	4.74E-14	0.009	0.003	0.003	0.015	56.805	TRUE	6.24E-13
FVC	PIK3R1	cg26878542	rs56352616	T	C	-0.344	0.029	0.189	1.20E-31	-0.007	0.003	0.021	0.036	136.942	TRUE	6.91E-30
FVC	PIK3R2	cg05645812	rs273495	G	A	0.332	0.051	0.063	1.08E-10	-0.002	0.005	0.723	0.011	41.646	TRUE	1.80E-10
FVC	PIK3R2	cg10188048	rs2241088	A	C	0.527	0.053	0.058	1.84E-23	0.002	0.005	0.652	0.026	99.577	TRUE	7.29E-23
FVC	PIK3R2	cg10256708	rs2072490	C	T	0.168	0.023	0.466	5.86E-13	-0.003	0.002	0.188	0.014	51.866	TRUE	2.18E-12
FVC	PIK3R2	cg11594160	rs111615037	A	G	-0.674	0.073	0.023	3.54E-20	-0.002	0.007	0.756	0.022	84.614	TRUE	9.86E-20
FVC	PIK3R2	cg11594160	rs11673466	C	A	-0.440	0.037	0.113	6.78E-33	0.002	0.004	0.590	0.037	142.640	TRUE	6.39E-32
FVC	PIK3R2	cg11594160	rs2045386	A	G	-0.234	0.024	0.420	7.51E-23	0.002	0.002	0.338	0.025	96.789	TRUE	4.56E-22
FVC	PIK3R2	cg11594160	rs28730848	A	G	-1.800	0.058	0.057	5.16E-209	0.003	0.005	0.531	0.205	951.374	TRUE	1.07E-190
FVC	PIK3R2	cg11594160	rs34058249	C	T	-1.153	0.086	0.016	7.05E-41	-0.003	0.009	0.757	0.046	179.158	TRUE	1.04E-39
FVC	PIK3R2	cg11594160	rs367139	C	T	-0.306	0.030	0.192	1.06E-24	0.005	0.003	0.089	0.028	105.229	TRUE	1.49E-23
FVC	PIK3R2	cg11594160	rs372889	C	T	0.158	0.023	0.494	1.10E-11	-0.001	0.002	0.552	0.012	46.112	TRUE	2.29E-11
FVC	PIK3R2	cg11594160	rs374614	C	T	-0.292	0.031	0.177	1.11E-21	-0.003	0.003	0.376	0.024	91.462	TRUE	5.65E-21
FVC	PIK3R2	cg11594160	rs61210412	T	G	-0.391	0.062	0.035	2.55E-10	-0.015	0.007	0.032	0.011	39.969	TRUE	1.22E-09
FVC	PIK3R2	cg11594160	rs7248971	G	A	0.175	0.024	0.401	4.18E-13	0.004	0.002	0.072	0.014	52.529	TRUE	2.14E-12
FVC	PIK3R2	cg12492496	rs2241088	A	C	0.420	0.053	0.058	1.99E-15	0.002	0.005	0.652	0.017	63.041	TRUE	4.64E-15
FVC	PIK3R2	cg14957748	rs123203	T	C	0.855	0.059	0.048	9.15E-48	0.000	0.005	0.961	0.054	210.695	TRUE	1.96E-46
FVC	PIK3R2	cg24883498	rs2241088	A	C	0.292	0.053	0.058	3.93E-08	0.002	0.005	0.652	0.008	30.167	TRUE	6.12E-08
FVC	PIP4K2A	cg03771739	rs10828316	C	A	0.148	0.025	0.320	1.97E-09	0.001	0.003	0.839	0.010	35.982	TRUE	2.83E-09
FVC	PIP4K2A	cg04813697	rs1171500	C	T	0.147	0.023	0.442	4.31E-10	0.002	0.002	0.532	0.010	38.948	TRUE	8.35E-10
FVC	PIP4K2A	cg04813697	rs1750774	T	A	0.335	0.059	0.043	1.10E-08	-0.003	0.006	0.666	0.009	32.635	TRUE	1.73E-08
FVC	PIP4K2A	cg06690686	rs12253561	C	T	0.233	0.036	0.115	1.39E-10	-0.002	0.004	0.507	0.011	41.155	TRUE	2.77E-10
FVC	PIP4K2A	cg06690686	rs6482231	A	C	0.977	0.083	0.023	2.54E-32	-0.021	0.008	0.011	0.036	140.018	TRUE	2.09E-30
FVC	PIP4K2A	cg06690686	rs7078726	C	T	0.454	0.062	0.033	2.20E-13	-0.008	0.007	0.209	0.014	53.784	TRUE	8.00E-13
FVC	PIP4K2A	cg06690686	rs7093538	T	C	0.643	0.069	0.034	1.31E-20	-0.006	0.007	0.388	0.023	86.577	TRUE	6.14E-20
FVC	PIP4K2A	cg07701530	rs10828334	A	G	-0.324	0.028	0.212	2.02E-31	0.000	0.003	0.995	0.035	135.898	TRUE	9.04E-31
FVC	PIP4K2A	cg07701530	rs113311567	T	C	-0.552	0.079	0.024	2.18E-12	0.006	0.008	0.458	0.013	49.287	TRUE	5.18E-12
FVC	PIP4K2A	cg07701530	rs12773197	T	G	-0.567	0.060	0.072	2.99E-21	0.010	0.005	0.047	0.024	89.499	TRUE	4.05E-20
FVC	PIP4K2A	cg07701530	rs2765994	C	T	-0.814	0.021	0.401	<1E-200	0.000	0.002	0.916	0.297	1564.205	TRUE	9.43E-300
FVC	PIP4K2A	cg07701530	rs34262913	T	C	-0.336	0.027	0.235	9.74E-35	0.002	0.003	0.478	0.039	151.064	TRUE	1.31E-33
FVC	PIP4K2A	cg07701530	rs4328127	C	G	-0.208	0.027	0.256	2.06E-14	-0.006	0.003	0.031	0.016	58.444	TRUE	1.54E-13

FVC	PIP4K2A	cg07701530	rs7075433	C	T	-0.373	0.034	0.130	5.56E-28	-0.001	0.003	0.858	0.031	120.190	TRUE	2.33E-27
FVC	PIP4K2A	cg07701530	rs7093957	T	C	-0.268	0.032	0.162	2.76E-17	-0.003	0.003	0.306	0.019	71.470	TRUE	1.15E-16
FVC	PIP4K2A	cg07701530	rs75689693	A	T	0.371	0.061	0.071	1.05E-09	-0.002	0.004	0.597	0.010	37.202	TRUE	1.86E-09
FVC	PIP4K2A	cg07701530	rs76547528	G	A	-0.539	0.053	0.052	4.21E-24	-0.002	0.005	0.749	0.027	102.492	TRUE	1.53E-23
FVC	PIP4K2A	cg07701530	rs78963087	A	G	0.237	0.043	0.246	3.00E-08	0.002	0.003	0.418	0.008	30.693	TRUE	5.62E-08
FVC	PIP4K2A	cg09062038	rs7081744	A	G	0.184	0.024	0.396	6.82E-15	0.000	0.002	0.932	0.016	60.617	TRUE	1.16E-14
FVC	PIP4K2A	cg09216670	rs10828391	A	G	0.173	0.030	0.197	5.48E-09	-0.002	0.003	0.556	0.009	33.994	TRUE	9.58E-09
FVC	PIP4K2A	cg09216670	rs12778869	G	T	0.338	0.026	0.262	3.02E-38	-0.001	0.003	0.800	0.043	167.113	TRUE	3.27E-37
FVC	PIP4K2A	cg09273683	rs16922580	C	T	-0.291	0.035	0.131	1.23E-16	-0.002	0.004	0.491	0.018	68.524	TRUE	3.70E-16
FVC	PIP4K2A	cg14215711	rs1171502	G	A	0.150	0.023	0.458	1.31E-10	-0.001	0.002	0.826	0.011	41.272	TRUE	2.00E-10
FVC	PIP4K2A	cg16904399	rs12254366	A	G	-0.410	0.041	0.092	6.45E-24	-0.005	0.004	0.245	0.027	101.647	TRUE	5.14E-23
FVC	PIP4K2A	cg20641026	rs11013131	G	A	0.261	0.033	0.134	4.77E-15	-0.001	0.003	0.814	0.016	61.320	TRUE	9.20E-15
FVC	PIP4K2A	cg20641026	rs117921884	C	A	0.475	0.085	0.040	2.20E-08	0.011	0.006	0.096	0.008	31.294	TRUE	6.61E-08
FVC	PIP4K2A	cg20641026	rs1778316	G	T	0.564	0.023	0.401	4.82E-133	0.000	0.002	0.981	0.140	602.161	TRUE	3.28E-125
FVC	PIP4K2A	cg20641026	rs34262913	T	C	0.255	0.028	0.235	1.81E-20	0.002	0.003	0.478	0.023	85.939	TRUE	7.32E-20
FVC	PIP4K2A	cg20641026	rs4328127	C	G	0.190	0.027	0.256	3.09E-12	-0.006	0.003	0.031	0.013	48.607	TRUE	1.84E-11
FVC	PIP4K2A	cg20641026	rs75233125	A	T	0.517	0.053	0.051	3.16E-22	-0.001	0.005	0.882	0.025	93.944	TRUE	8.67E-22
FVC	PIP4K2A	cg23017573	rs10764344	C	T	-0.813	0.021	0.342	<1E-200	0.003	0.002	0.306	0.281	1443.549	TRUE	1.06E-277
FVC	PIP4K2A	cg23017573	rs111803430	T	C	-0.453	0.045	0.055	1.28E-23	-0.004	0.004	0.412	0.026	100.293	TRUE	7.24E-23
FVC	PIP4K2A	cg23017573	rs113311567	T	C	-0.531	0.079	0.024	1.61E-11	0.006	0.008	0.458	0.012	45.366	TRUE	3.62E-11
FVC	PIP4K2A	cg23017573	rs11599012	T	C	-0.214	0.033	0.149	5.66E-11	0.003	0.003	0.384	0.011	42.912	TRUE	1.33E-10
FVC	PIP4K2A	cg23017573	rs117521485	G	A	-0.503	0.088	0.017	1.04E-08	-0.008	0.008	0.347	0.009	32.741	TRUE	2.19E-08
FVC	PIP4K2A	cg23017573	rs1778330	G	T	-0.755	0.059	0.043	5.01E-38	-0.002	0.006	0.679	0.043	166.105	TRUE	6.36E-37
FVC	PIP4K2A	cg23017573	rs188189173	A	G	-0.402	0.052	0.055	7.65E-15	0.007	0.005	0.167	0.016	60.392	TRUE	3.38E-14
FVC	PIP4K2A	cg23017573	rs2364708	A	G	-0.319	0.026	0.273	1.49E-35	0.001	0.003	0.806	0.040	154.789	TRUE	1.22E-34
FVC	PIP4K2A	cg23017573	rs6482228	A	G	-0.443	0.024	0.353	1.73E-77	0.001	0.002	0.566	0.086	347.003	TRUE	4.63E-74
FVC	PIP4K2A	cg23017573	rs7100772	T	C	-0.239	0.027	0.248	1.66E-18	-0.001	0.003	0.868	0.020	77.017	TRUE	3.73E-18
FVC	PIP4K2A	cg23017573	rs72816826	G	A	0.345	0.040	0.094	1.48E-17	0.000	0.004	0.999	0.019	72.702	TRUE	2.70E-17
FVC	PIP4K2A	cg23017573	rs76547528	G	A	-0.641	0.053	0.052	2.10E-33	-0.002	0.005	0.749	0.038	144.970	TRUE	1.58E-32
FVC	PIP4K2A	cg23017573	rs79228402	T	C	-0.563	0.051	0.053	4.25E-28	0.005	0.005	0.356	0.032	120.726	TRUE	3.82E-27
FVC	PIP4K2A	cg25050566	rs1750758	G	A	-0.441	0.023	0.401	1.90E-82	0.000	0.002	0.951	0.091	369.768	TRUE	4.35E-79
FVC	PIP4K2A	cg25050566	rs7075433	C	T	-0.281	0.034	0.130	6.95E-17	-0.001	0.003	0.858	0.018	69.650	TRUE	1.42E-16
FVC	PIP4K2A	cg25050566	rs7084413	C	T	-0.163	0.027	0.260	1.04E-09	0.002	0.003	0.385	0.010	37.228	TRUE	2.22E-09
FVC	PIP4K2A	cg25050566	rs875598	C	T	-0.157	0.025	0.298	6.57E-10	-0.004	0.003	0.141	0.010	38.123	TRUE	2.04E-09
FVC	PIP4K2A	cg25178565	rs10764344	C	T	-0.182	0.025	0.342	1.34E-13	0.003	0.002	0.306	0.015	54.768	TRUE	4.23E-13
FVC	PIP4K2A	cg25178565	rs12241403	T	C	-0.379	0.065	0.038	5.98E-09	-0.008	0.007	0.248	0.009	33.823	TRUE	1.45E-08
FVC	PIP4K2A	cg25178565	rs58647212	A	G	-0.340	0.024	0.367	1.52E-46	0.000	0.002	0.881	0.053	205.102	TRUE	3.33E-45
FVC	PIP4K2A	cg25178565	rs77989314	C	T	-0.320	0.057	0.046	2.31E-08	0.000	0.005	0.971	0.008	31.196	TRUE	2.90E-08
FVC	PIP4K2A	cg26872151	rs117479485	C	T	-1.029	0.168	0.013	8.11E-10	-0.019	0.011	0.080	0.010	37.714	TRUE	2.95E-09
FVC	PIP4K2A	cg26872151	rs12354766	C	A	0.527	0.025	0.281	3.62E-97	0.002	0.003	0.425	0.106	437.356	TRUE	4.91E-92
FVC	PIP4K2A	cg26872151	rs1750752	G	A	-0.594	0.036	0.121	3.66E-62	-0.003	0.004	0.346	0.070	276.691	TRUE	1.73E-59
FVC	PIP4K2A	cg26872151	rs6482225	A	C	-0.289	0.053	0.049	4.50E-08	0.000	0.005	0.991	0.008	29.904	TRUE	5.53E-08

FVC	PIP4K2A	cg26872151	rs7083933	G	A	-0.503	0.091	0.016	3.09E-08	0.001	0.009	0.881	0.008	30.635	TRUE	4.10E-08
FVC	PIP4K2A	cg26872151	rs7093538	T	C	-0.402	0.069	0.034	6.52E-09	-0.006	0.007	0.388	0.009	33.653	TRUE	1.33E-08
FVC	PIP4K2A	cg26872151	rs7913894	T	C	0.196	0.031	0.160	2.65E-10	-0.003	0.003	0.343	0.011	39.896	TRUE	6.19E-10
FVC	PIP4K2B	cg03371752	rs228284	T	C	0.156	0.028	0.218	1.89E-08	-0.004	0.003	0.196	0.008	31.592	TRUE	4.77E-08
FVC	PIP4K2B	cg20303331	rs4795311	T	C	-0.203	0.029	0.197	5.15E-12	-0.005	0.003	0.069	0.013	47.603	TRUE	2.39E-11
FVC	PIP4K2B	cg20303331	rs626866	C	T	0.168	0.028	0.236	1.36E-09	0.004	0.003	0.197	0.010	36.700	TRUE	3.71E-09
FVC	PIP4K2B	cg20303331	rs72625934	A	G	-0.792	0.047	0.061	1.70E-62	-0.012	0.005	0.019	0.070	278.218	TRUE	7.56E-59
FVC	PIP4K2B	cg20760360	rs11079061	C	T	0.154	0.024	0.454	8.40E-11	0.000	0.002	0.956	0.011	42.140	TRUE	1.16E-10
FVC	PIP4K2B	cg20760360	rs113262309	A	C	0.267	0.041	0.086	1.04E-10	0.007	0.004	0.090	0.011	41.719	TRUE	4.01E-10
FVC	PIP4K2B	cg20760360	rs620110	A	G	0.457	0.033	0.153	1.09E-44	0.002	0.003	0.471	0.050	196.599	TRUE	4.15E-43
FVC	PIP4K2B	cg27142680	rs228251	G	A	-0.201	0.028	0.239	3.49E-13	0.004	0.003	0.173	0.014	52.881	TRUE	1.34E-12
FVC	PIP4K2C	cg05694847	rs10876966	T	C	-0.178	0.028	0.221	4.01E-10	-0.003	0.003	0.294	0.010	39.088	TRUE	9.80E-10
FVC	PIP4K2C	cg05694847	rs11613457	A	G	-0.597	0.043	0.075	3.46E-43	0.010	0.004	0.030	0.049	189.726	TRUE	7.12E-41
FVC	PIP4K2C	cg05694847	rs74808980	G	A	-0.396	0.063	0.057	4.26E-10	-0.002	0.005	0.758	0.010	38.970	TRUE	6.68E-10
FVC	PIP4K2C	cg09740308	rs10747780	T	C	0.859	0.023	0.273	<1E-200	0.006	0.003	0.030	0.280	1439.876	TRUE	1.97E-275
FVC	PIP4K2C	cg09740308	rs1078109	A	G	-0.295	0.038	0.106	6.50E-15	0.007	0.004	0.059	0.016	60.711	TRUE	4.20E-14
FVC	PIP4K2C	cg09740308	rs112976255	A	C	-0.316	0.046	0.072	3.64E-12	0.000	0.005	0.995	0.013	48.285	TRUE	5.16E-12
FVC	PIP4K2C	cg09740308	rs115411964	T	A	0.414	0.053	0.044	9.26E-15	0.003	0.006	0.651	0.016	60.015	TRUE	2.08E-14
FVC	PIP4K2C	cg09740308	rs12423654	C	T	0.218	0.023	0.480	3.24E-21	-0.002	0.002	0.467	0.024	89.343	TRUE	1.38E-20
FVC	PIP4K2C	cg09740308	rs17565804	T	C	0.601	0.058	0.042	2.38E-25	0.007	0.006	0.248	0.028	108.184	TRUE	2.13E-24
FVC	PIP4K2C	cg09740308	rs2277322	C	T	-0.315	0.024	0.319	2.95E-38	-0.004	0.003	0.121	0.043	167.158	TRUE	1.57E-36
FVC	PIP4K2C	cg09740308	rs34790089	T	C	0.654	0.053	0.049	8.87E-35	-0.004	0.006	0.463	0.039	151.248	TRUE	1.22E-33
FVC	PIP4K2C	cg09740308	rs4077658	A	C	0.237	0.026	0.297	1.57E-20	-0.005	0.003	0.059	0.023	86.221	TRUE	1.78E-19
FVC	PIP4K2C	cg09740308	rs78607331	T	C	0.464	0.084	0.043	2.80E-08	-0.001	0.006	0.839	0.008	30.822	TRUE	3.85E-08
FVC	PIP4K2C	cg09740308	rs78638304	T	A	-0.271	0.046	0.148	4.20E-09	-0.003	0.003	0.325	0.009	34.508	TRUE	9.21E-09
FVC	PIP4K2C	cg20183802	rs11613457	A	G	-0.295	0.044	0.075	2.00E-11	0.010	0.004	0.030	0.012	44.948	TRUE	1.10E-10
FVC	PIP4K2C	cg20183802	rs1678508	A	G	-0.561	0.067	0.033	3.13E-17	0.003	0.007	0.616	0.019	71.222	TRUE	8.50E-17
FVC	PIP4K2C	cg20183802	rs74240697	T	C	-0.390	0.072	0.028	4.79E-08	0.013	0.007	0.051	0.008	29.784	TRUE	1.63E-07
FVC	PIP4K2C	cg20416037	rs11613457	A	G	-0.352	0.044	0.075	1.11E-15	0.010	0.004	0.030	0.017	64.194	TRUE	9.58E-15
FVC	PIP4K2C	cg20416037	rs775245	A	G	0.384	0.043	0.084	1.76E-19	0.007	0.004	0.106	0.022	81.444	TRUE	1.42E-18
FVC	PIP4K2C	cg25133016	rs11613457	A	G	-0.272	0.044	0.075	5.64E-10	0.010	0.004	0.030	0.010	38.420	TRUE	2.65E-09
FVC	PIP4K2C	cg25133016	rs775245	A	G	0.308	0.043	0.084	5.04E-13	0.007	0.004	0.106	0.014	52.159	TRUE	2.26E-12
FVC	PIP4K2C	cg26459339	rs10437954	G	A	-0.262	0.042	0.089	3.04E-10	-0.005	0.004	0.218	0.011	39.625	TRUE	8.39E-10
FVC	PIP4K2C	cg26459339	rs1078109	A	G	-0.349	0.038	0.106	2.29E-20	0.007	0.004	0.059	0.023	85.479	TRUE	2.53E-19
FVC	PIP4K2C	cg26459339	rs112976255	A	C	-0.283	0.046	0.072	5.38E-10	0.000	0.005	0.995	0.010	38.512	TRUE	7.01E-10
FVC	PIP4K2C	cg26459339	rs115411964	T	A	0.398	0.053	0.044	9.49E-14	0.003	0.006	0.651	0.015	55.440	TRUE	2.01E-13
FVC	PIP4K2C	cg26459339	rs12579911	T	C	0.237	0.023	0.485	6.63E-25	-0.002	0.002	0.513	0.028	106.153	TRUE	3.45E-24
FVC	PIP4K2C	cg26459339	rs1678527	T	C	-0.318	0.024	0.326	3.02E-39	-0.002	0.003	0.452	0.044	171.687	TRUE	6.68E-38
FVC	PIP4K2C	cg26459339	rs1800139	C	T	0.239	0.025	0.324	9.64E-22	-0.004	0.003	0.147	0.024	91.739	TRUE	8.58E-21
FVC	PIP4K2C	cg26459339	rs34556747	T	C	0.599	0.058	0.042	3.47E-25	0.005	0.006	0.394	0.028	107.437	TRUE	2.32E-24
FVC	PIP4K2C	cg26459339	rs34790089	T	C	0.713	0.053	0.049	4.02E-41	-0.004	0.006	0.463	0.046	180.272	TRUE	1.05E-39
FVC	PIP4K2C	cg26459339	rs78607331	T	C	0.468	0.084	0.043	2.21E-08	-0.001	0.006	0.839	0.008	31.284	TRUE	3.05E-08

FVC	PIP4K2C	cg26459339	rs8873	A	G	0.928	0.024	0.221	<1E-200	0.004	0.003	0.222	0.282	1451.315	TRUE	1.00E-278
FVC	PLA2G3	cg05815196	rs9606828	C	T	0.343	0.050	0.058	4.48E-12	0.005	0.005	0.328	0.013	47.878	TRUE	1.22E-11
FVC	PLA2G3	cg08457421	rs9606828	C	T	0.307	0.050	0.058	5.81E-10	0.005	0.005	0.328	0.010	38.362	TRUE	1.36E-09
FVC	PLA2G3	cg17733820	rs149007267	T	C	-1.052	0.131	0.014	1.10E-15	-0.006	0.010	0.565	0.017	64.201	TRUE	2.86E-15
FVC	PLA2G3	cg17733820	rs2006253	C	A	-0.449	0.039	0.102	2.00E-30	0.005	0.004	0.179	0.034	131.351	TRUE	3.67E-29
FVC	PLA2G3	cg17733820	rs2073858	C	G	-0.369	0.027	0.264	4.44E-44	0.006	0.003	0.019	0.050	193.813	TRUE	1.29E-41
FVC	PLA2G3	cg17733820	rs2074739	G	A	-0.236	0.024	0.429	3.63E-23	0.001	0.002	0.575	0.026	98.225	TRUE	1.53E-22
FVC	PLA2G3	cg17733820	rs695438	C	G	-0.329	0.024	0.382	6.38E-43	0.010	0.002	3.26E-05	0.048	188.511	TRUE	1.73E-39
FVC	PLA2G3	cg17733820	rs715297	G	A	-0.186	0.024	0.409	7.64E-15	0.005	0.002	0.040	0.016	60.394	TRUE	5.55E-14
FVC	PLA2G3	cg17733820	rs7286054	T	C	-0.188	0.033	0.155	7.77E-09	-0.003	0.003	0.331	0.009	33.314	TRUE	1.67E-08
FVC	PLA2G3	cg17733820	rs77080952	A	T	-0.886	0.109	0.029	4.40E-16	0.001	0.007	0.843	0.018	66.011	TRUE	8.70E-16
FVC	PLA2G3	cg17733820	rs77678468	G	A	-1.412	0.045	0.064	3.35E-218	0.004	0.005	0.426	0.212	993.618	TRUE	3.02E-198
FVC	PLA2G3	cg17733820	rs9609200	C	T	-0.142	0.026	0.302	3.40E-08	-0.004	0.003	0.125	0.008	30.449	TRUE	9.43E-08
FVC	PLA2G3	cg17733820	rs9621390	C	T	-0.145	0.026	0.279	3.34E-08	0.003	0.003	0.235	0.008	30.482	TRUE	7.73E-08
FVC	PLA2G3	cg21274025	rs3761430	T	C	0.582	0.056	0.052	1.14E-25	0.013	0.005	0.017	0.029	109.634	TRUE	3.63E-24
FVC	PLA2G3	cg21274025	rs5997977	C	T	0.133	0.024	0.382	2.46E-08	0.010	0.002	2.93E-05	0.008	31.078	TRUE	2.84E-07
FVC	PLA2G3	cg21274025	rs9621190	T	C	0.189	0.032	0.150	3.08E-09	0.001	0.003	0.677	0.009	35.111	TRUE	4.99E-09
FVC	PLA2G3	cg25137841	rs77678468	G	A	0.356	0.048	0.064	8.51E-14	0.004	0.005	0.426	0.015	55.654	TRUE	2.29E-13
FVC	PLA2G3	cg25937577	rs9606828	C	T	0.430	0.050	0.058	3.86E-18	0.005	0.005	0.328	0.020	75.351	TRUE	1.64E-17
FVC	PLEKHM2	cg01555432	rs146016966	T	C	-0.892	0.098	0.028	5.78E-20	0.014	0.008	0.069	0.022	83.647	TRUE	5.90E-19
FVC	PLEKHM2	cg03343063	rs9662456	T	C	0.386	0.051	0.050	2.70E-14	0.001	0.005	0.866	0.015	57.914	TRUE	4.78E-14
FVC	PLEKHM2	cg06178322	rs71631739	G	A	0.182	0.030	0.183	1.71E-09	0.008	0.003	0.011	0.010	36.254	TRUE	9.26E-09
FVC	PLEKHM2	cg07007550	rs10927840	G	A	0.401	0.028	0.232	8.82E-48	0.006	0.003	0.023	0.054	210.769	TRUE	3.84E-45
FVC	PLEKHM2	cg07007550	rs938295	T	C	0.174	0.031	0.173	1.39E-08	0.002	0.003	0.438	0.009	32.186	TRUE	2.63E-08
FVC	PLEKHM2	cg09873284	rs68052904	C	T	-0.182	0.026	0.268	3.91E-12	0.006	0.003	0.036	0.013	48.145	TRUE	2.25E-11
FVC	PLEKHM2	cg18133145	rs1108185	G	A	-0.575	0.027	0.220	6.16E-101	0.005	0.003	0.082	0.109	454.664	TRUE	1.07E-94
FVC	PLEKHM2	cg18133145	rs1240333	G	A	0.163	0.025	0.301	1.12E-10	-0.004	0.003	0.131	0.011	41.577	TRUE	3.85E-10
FVC	PLEKHM2	cg18133145	rs4646082	G	T	-0.433	0.069	0.027	4.13E-10	-0.003	0.007	0.694	0.010	39.032	TRUE	6.86E-10
FVC	PLEKHM2	cg18133145	rs4661337	C	T	-0.251	0.034	0.132	1.23E-13	0.000	0.004	0.927	0.015	54.935	TRUE	1.97E-13
FVC	PLEKHM2	cg23112360	rs12745403	T	C	0.473	0.030	0.183	6.17E-57	0.007	0.003	0.017	0.064	252.728	TRUE	1.18E-53
FVC	PLEKHM2	cg23112360	rs35365738	A	G	0.206	0.025	0.311	1.26E-16	0.000	0.003	0.898	0.018	68.476	TRUE	2.42E-16
FVC	PLEKHM2	cg23112360	rs74503197	A	G	0.427	0.069	0.026	4.65E-10	0.000	0.007	0.976	0.010	38.799	TRUE	6.18E-10
FVC	PLEKHM2	cg27534772	rs12084518	A	G	0.273	0.028	0.234	6.64E-23	0.006	0.003	0.033	0.026	97.034	TRUE	1.22E-21
FVC	PML	cg09642075	rs11636016	G	T	0.169	0.024	0.385	4.61E-12	0.002	0.002	0.407	0.013	47.820	TRUE	1.14E-11
FVC	PML	cg09642075	rs76929867	T	C	-0.314	0.050	0.058	2.52E-10	0.000	0.005	0.983	0.011	39.990	TRUE	3.37E-10
FVC	PML	cg16584662	rs3784556	A	C	0.261	0.038	0.111	3.90E-12	0.006	0.004	0.125	0.013	48.149	TRUE	1.53E-11
FVC	PML	cg18136895	rs12915543	A	G	-0.140	0.024	0.389	7.88E-09	0.003	0.002	0.242	0.009	33.287	TRUE	1.89E-08
FVC	PML	cg18136895	rs145418511	G	C	-0.656	0.082	0.039	1.52E-15	0.018	0.006	0.002	0.017	63.573	TRUE	2.58E-14
FVC	PML	cg19394923	rs12911485	G	T	-0.175	0.024	0.423	2.40E-13	0.002	0.002	0.339	0.014	53.613	TRUE	7.06E-13
FVC	PML	cg19394923	rs5742914	T	C	0.392	0.036	0.119	1.18E-27	-0.018	0.004	7.87E-07	0.031	118.704	TRUE	6.13E-25
FVC	PML	cg19394923	rs79941036	T	C	-0.486	0.072	0.025	2.02E-11	-0.007	0.007	0.332	0.012	44.929	TRUE	5.21E-11
FVC	PML	cg21036936	rs12899085	A	G	0.163	0.024	0.370	2.19E-11	0.003	0.002	0.174	0.012	44.769	TRUE	7.30E-11

FVC	POU4F1	cg04404489	rs4304924	G	A	-0.242	0.032	0.410	3.80E-14	-0.001	0.002	0.636	0.015	57.241	TRUE	8.21E-14
FVC	POU4F1	cg04404489	rs4341647	T	C	0.162	0.028	0.219	1.09E-08	-0.005	0.003	0.072	0.009	32.661	TRUE	3.68E-08
FVC	POU4F1	cg06675375	rs2765068	T	A	-0.212	0.024	0.358	4.00E-18	-0.006	0.003	0.014	0.020	75.283	TRUE	5.80E-17
FVC	POU4F1	cg06675375	rs9530809	G	A	-0.205	0.023	0.500	7.93E-19	0.002	0.002	0.361	0.021	78.474	TRUE	3.37E-18
FVC	POU4F1	cg11806672	rs12428426	T	C	-0.227	0.028	0.218	4.93E-16	-0.005	0.003	0.066	0.017	65.787	TRUE	3.51E-15
FVC	POU4F1	cg23440004	rs9574240	A	G	-0.166	0.028	0.220	4.68E-09	-0.005	0.003	0.079	0.009	34.299	TRUE	1.61E-08
FVC	POU4F1	cg25682299	rs12869663	T	A	0.150	0.026	0.298	4.26E-09	-0.007	0.003	0.008	0.009	34.483	TRUE	2.39E-08
FVC	PPM1F	cg01188914	rs12152140	G	C	0.620	0.036	0.116	4.94E-67	0.004	0.004	0.267	0.075	299.029	TRUE	6.25E-64
FVC	PPM1F	cg01612629	rs17760000	C	G	0.315	0.038	0.108	1.70E-16	-0.008	0.004	0.041	0.018	67.882	TRUE	1.48E-15
FVC	PPM1F	cg01612629	rs240051	A	C	-0.237	0.023	0.497	2.75E-24	0.005	0.002	0.034	0.027	103.335	TRUE	6.04E-23
FVC	PPM1F	cg02377915	rs113498774	C	T	-0.822	0.037	0.108	3.89E-107	-0.008	0.004	0.049	0.116	483.141	TRUE	4.30E-100
FVC	PPM1F	cg02377915	rs117685988	T	C	-0.498	0.086	0.020	6.42E-09	-0.004	0.010	0.718	0.009	33.684	TRUE	9.90E-09
FVC	PPM1F	cg02377915	rs141184738	G	C	-0.528	0.094	0.015	2.04E-08	-0.020	0.009	0.035	0.008	31.437	TRUE	7.79E-08
FVC	PPM1F	cg02377915	rs240616	A	G	0.175	0.026	0.305	1.05E-11	-0.003	0.003	0.272	0.012	46.204	TRUE	2.97E-11
FVC	PPM1F	cg02377915	rs9610504	A	G	-0.189	0.028	0.236	1.06E-11	0.003	0.003	0.252	0.012	46.186	TRUE	3.12E-11
FVC	PPM1F	cg07644571	rs113498774	C	T	-0.879	0.037	0.108	7.93E-125	-0.008	0.004	0.049	0.132	564.407	TRUE	5.49E-116
FVC	PPM1F	cg07644571	rs141184738	G	C	-0.618	0.094	0.015	5.17E-11	-0.020	0.009	0.035	0.012	43.089	TRUE	2.62E-10
FVC	PPM1F	cg07644571	rs6518951	C	T	-0.191	0.028	0.240	6.22E-12	0.005	0.003	0.075	0.013	47.234	TRUE	2.84E-11
FVC	PPM1F	cg10081899	rs12167687	A	G	0.232	0.025	0.287	5.27E-20	-0.007	0.003	0.005	0.022	83.831	TRUE	1.25E-18
FVC	PPM1F	cg10081899	rs2845457	A	G	0.176	0.032	0.159	3.02E-08	-0.010	0.003	8.91E-04	0.008	30.677	TRUE	2.14E-07
FVC	PPM1F	cg16520652	rs9607460	A	C	-0.243	0.036	0.116	9.00E-12	0.004	0.004	0.273	0.012	46.511	TRUE	2.61E-11
FVC	PPM1F	cg24533864	rs238783	A	G	0.132	0.024	0.395	2.95E-08	-0.008	0.003	6.45E-04	0.008	30.726	TRUE	2.13E-07
FVC	PPM1F	cg24533864	rs76341067	T	C	0.265	0.033	0.156	6.58E-16	-0.007	0.003	0.033	0.017	65.220	TRUE	5.79E-15
FVC	PPM1F	cg25172145	rs17759934	T	C	0.291	0.036	0.115	8.90E-16	0.004	0.004	0.258	0.017	64.626	TRUE	3.58E-15
FVC	PPM1F	cg25898577	rs112994310	T	C	-0.195	0.029	0.203	1.49E-11	-0.008	0.003	0.008	0.012	45.520	TRUE	1.14E-10
FVC	PPM1F	cg25898577	rs2266980	C	T	0.355	0.036	0.116	5.66E-23	0.004	0.004	0.280	0.026	97.349	TRUE	3.90E-22
FVC	PPM1F	cg25898577	rs240067	T	C	-0.333	0.025	0.319	6.30E-41	-0.007	0.003	0.004	0.046	179.380	TRUE	2.63E-38
FVC	PPM1F	cg26285749	rs62234962	T	C	0.250	0.035	0.118	1.99E-12	0.004	0.004	0.223	0.013	49.471	TRUE	6.52E-12
FVC	PPM1F	cg27653384	rs2266980	C	T	-0.222	0.036	0.116	9.88E-10	0.004	0.004	0.280	0.010	37.329	TRUE	2.42E-09
FVC	PPM1F	cg27653384	rs240067	T	C	0.191	0.025	0.319	2.71E-14	-0.007	0.003	0.004	0.015	57.900	TRUE	3.59E-13
FVC	PPOX	cg06723492	rs2502806	A	G	-0.302	0.024	0.390	3.96E-35	0.001	0.002	0.614	0.040	152.852	TRUE	4.28E-34
FVC	PPOX	cg24847046	rs112892190	G	A	-0.394	0.072	0.023	4.21E-08	0.000	0.007	0.990	0.008	30.033	TRUE	5.16E-08
FVC	PPOX	cg24847046	rs1136224	G	A	0.236	0.032	0.143	3.23E-13	0.003	0.003	0.342	0.014	53.035	TRUE	9.27E-13
FVC	PPOX	cg24847046	rs140881761	T	C	-0.373	0.065	0.033	1.06E-08	-0.005	0.006	0.390	0.009	32.715	TRUE	2.12E-08
FVC	PPOX	cg24847046	rs1411614	G	A	0.223	0.027	0.247	9.51E-17	0.001	0.003	0.810	0.018	69.031	TRUE	2.01E-16
FVC	PPOX	cg24847046	rs2502806	A	G	-0.540	0.024	0.390	1.91E-113	0.001	0.002	0.614	0.122	512.116	TRUE	3.97E-107
FVC	PPOX	cg24847046	rs34884997	C	T	0.224	0.033	0.143	2.32E-11	-0.002	0.003	0.506	0.012	44.654	TRUE	4.91E-11
FVC	PPOX	cg24847046	rs3557	G	T	0.264	0.041	0.092	9.30E-11	-0.004	0.004	0.294	0.011	41.940	TRUE	2.40E-10
FVC	PPOX	cg24847046	rs374808474	T	C	0.167	0.023	0.464	9.60E-13	-0.002	0.002	0.397	0.014	50.896	TRUE	2.48E-12
FVC	PPOX	cg24847046	rs4078017	A	G	0.279	0.044	0.073	1.89E-10	0.010	0.004	0.020	0.011	40.558	TRUE	1.03E-09
FVC	PPOX	cg24847046	rs7523191	A	G	-0.168	0.024	0.416	1.07E-12	0.001	0.002	0.821	0.014	50.693	TRUE	1.79E-12
FVC	PPP1CA	cg09190408	rs61891307	A	C	0.529	0.087	0.017	1.06E-09	0.006	0.008	0.439	0.010	37.188	TRUE	2.16E-09

FVC	PPP1CA	cg09190408	rs872109	T	G	0.636	0.048	0.062	9.58E-40	0.008	0.005	0.072	0.045	173.972	TRUE	7.99E-38
FVC	PPP1CA	cg12939085	rs10896164	G	A	0.379	0.056	0.046	1.10E-11	-0.004	0.006	0.460	0.012	46.112	TRUE	2.50E-11
FVC	PPP1CA	cg12939085	rs10896171	T	C	0.842	0.074	0.024	1.05E-29	0.020	0.007	0.004	0.033	128.064	TRUE	8.92E-28
FVC	PPP1CA	cg12939085	rs12278036	G	A	0.217	0.039	0.100	3.56E-08	0.004	0.004	0.306	0.008	30.357	TRUE	7.53E-08
FVC	PPP1R13B	cg03586793	rs111768460	C	A	-0.412	0.048	0.064	5.08E-18	0.007	0.005	0.121	0.020	74.808	TRUE	3.43E-17
FVC	PPP1R13B	cg08213375	rs10141157	T	C	-0.202	0.024	0.488	8.61E-18	-0.002	0.002	0.436	0.020	73.769	TRUE	2.95E-17
FVC	PPP1R13B	cg08213375	rs11625018	T	C	0.138	0.024	0.453	5.32E-09	-0.002	0.002	0.477	0.009	34.051	TRUE	9.98E-09
FVC	PPP1R13B	cg08213375	rs117852820	A	G	0.451	0.058	0.042	1.21E-14	0.005	0.005	0.349	0.016	59.486	TRUE	3.80E-14
FVC	PPP1R13B	cg08213375	rs17101902	C	A	-0.417	0.063	0.029	3.45E-11	-0.004	0.006	0.532	0.012	43.879	TRUE	7.03E-11
FVC	PPP1R13B	cg08213375	rs17792891	A	G	-0.295	0.036	0.121	4.13E-16	-0.003	0.004	0.418	0.018	66.135	TRUE	1.34E-15
FVC	PPP1R13B	cg08213375	rs2223937	G	A	0.719	0.022	0.408	7.32E-230	0.006	0.002	0.012	0.221	1047.233	TRUE	7.66E-206
FVC	PPP1R13B	cg08213375	rs28794002	C	T	-0.385	0.053	0.052	4.38E-13	-0.001	0.005	0.859	0.014	52.438	TRUE	7.30E-13
FVC	PPP1R13B	cg08213375	rs35033460	T	A	-0.322	0.030	0.192	1.23E-26	-0.004	0.003	0.159	0.030	114.053	TRUE	1.66E-25
FVC	PPP1R13B	cg08213375	rs35219418	T	A	-0.177	0.028	0.220	4.36E-10	-0.003	0.003	0.297	0.010	38.923	TRUE	1.06E-09
FVC	PPP1R13B	cg08213375	rs4906383	T	C	0.148	0.026	0.301	1.25E-08	0.008	0.003	0.001	0.009	32.395	TRUE	8.93E-08
FVC	PPP1R13B	cg08213375	rs55860239	C	T	0.477	0.065	0.043	1.81E-13	0.009	0.006	0.130	0.014	54.173	TRUE	7.87E-13
FVC	PPP1R13B	cg08213375	rs61996722	T	C	-0.249	0.044	0.074	1.54E-08	-0.012	0.004	0.006	0.009	31.982	TRUE	8.32E-08
FVC	PPP1R13B	cg08213375	rs7145682	T	C	-0.151	0.025	0.330	1.67E-09	0.005	0.003	0.050	0.010	36.311	TRUE	6.63E-09
FVC	PPP1R13B	cg08213375	rs76525869	C	G	0.620	0.049	0.058	1.68E-36	0.007	0.005	0.131	0.041	159.128	TRUE	6.88E-35
FVC	PPP1R13B	cg08213375	rs76652177	G	A	-0.233	0.024	0.385	5.18E-23	0.000	0.003	0.944	0.026	97.526	TRUE	1.39E-22
FVC	PPP1R13B	cg08213375	rs80020004	T	C	0.380	0.034	0.146	1.09E-28	0.001	0.003	0.743	0.032	123.426	TRUE	5.59E-28
FVC	PPP1R13B	cg08213375	rs8021877	A	G	0.134	0.024	0.495	1.35E-08	0.000	0.002	0.851	0.009	32.247	TRUE	1.83E-08
FVC	PPP1R13B	cg09351176	rs2295140	T	C	0.137	0.023	0.463	2.26E-09	0.006	0.002	0.021	0.010	35.718	TRUE	1.07E-08
FVC	PPP1R13B	cg11829633	rs11625018	T	C	-0.172	0.024	0.453	3.02E-13	-0.002	0.002	0.477	0.014	53.165	TRUE	7.39E-13
FVC	PPP1R13B	cg11829633	rs11628472	T	C	0.359	0.047	0.060	3.30E-14	0.002	0.005	0.678	0.015	57.516	TRUE	6.93E-14
FVC	PPP1R13B	cg11829633	rs117222583	A	G	-0.707	0.069	0.035	9.40E-25	0.005	0.007	0.446	0.028	105.463	TRUE	5.56E-24
FVC	PPP1R13B	cg11829633	rs117260308	G	A	-0.761	0.114	0.024	2.06E-11	-0.017	0.008	0.040	0.012	44.888	TRUE	1.06E-10
FVC	PPP1R13B	cg11829633	rs117852820	A	G	-0.744	0.058	0.042	9.64E-38	0.005	0.005	0.349	0.043	164.806	TRUE	2.23E-36
FVC	PPP1R13B	cg11829633	rs12884809	A	G	-0.842	0.022	0.343	<1E-200	0.004	0.003	0.137	0.293	1529.633	TRUE	9.49E-292
FVC	PPP1R13B	cg11829633	rs12885878	A	G	0.269	0.028	0.230	1.38E-22	0.001	0.003	0.843	0.025	95.588	TRUE	4.06E-22
FVC	PPP1R13B	cg11829633	rs138358446	T	C	-0.839	0.072	0.057	7.97E-32	0.004	0.006	0.430	0.036	137.748	TRUE	8.82E-31
FVC	PPP1R13B	cg11829633	rs138487470	T	C	-0.475	0.048	0.062	4.67E-23	0.007	0.005	0.117	0.026	97.731	TRUE	5.13E-22
FVC	PPP1R13B	cg11829633	rs139688434	A	C	0.565	0.103	0.015	3.77E-08	0.002	0.010	0.858	0.008	30.248	TRUE	5.07E-08
FVC	PPP1R13B	cg11829633	rs3212102	T	C	0.524	0.068	0.027	1.96E-14	-0.008	0.007	0.272	0.016	58.545	TRUE	6.87E-14
FVC	PPP1R13B	cg11829633	rs35033460	T	A	0.466	0.030	0.192	1.04E-54	-0.004	0.003	0.159	0.062	242.523	TRUE	3.65E-52
FVC	PPP1R13B	cg11829633	rs35265415	T	G	-0.528	0.057	0.047	4.37E-20	0.004	0.006	0.458	0.022	84.202	TRUE	1.74E-19
FVC	PPP1R13B	cg11829633	rs35797471	C	T	0.290	0.024	0.438	1.14E-34	0.000	0.003	0.855	0.039	150.754	TRUE	7.95E-34
FVC	PPP1R13B	cg11829633	rs4906321	T	C	0.363	0.024	0.334	1.23E-50	-0.001	0.003	0.721	0.057	223.854	TRUE	5.53E-49
FVC	PPP1R13B	cg11829633	rs4906382	A	G	0.150	0.026	0.266	1.04E-08	-0.003	0.003	0.281	0.009	32.752	TRUE	2.34E-08
FVC	PPP1R13B	cg11829633	rs4906415	A	G	-0.360	0.027	0.267	1.21E-40	0.006	0.003	0.042	0.046	178.089	TRUE	1.60E-38
FVC	PPP1R13B	cg11829633	rs61995844	T	G	0.402	0.053	0.055	3.16E-14	-0.002	0.005	0.770	0.015	57.602	TRUE	6.04E-14
FVC	PPP1R13B	cg11829633	rs61995855	A	G	0.476	0.028	0.198	9.91E-63	-0.008	0.003	0.008	0.070	279.296	TRUE	7.13E-59

FVC	PPP1R13B	cg11829633	rs61996722	T	C	0.366	0.044	0.074	7.52E-17	-0.012	0.004	0.006	0.018	69.493	TRUE	1.14E-15
FVC	PPP1R13B	cg11829633	rs7145682	T	C	0.215	0.025	0.330	8.23E-18	0.005	0.003	0.050	0.020	73.856	TRUE	7.58E-17
FVC	PPP1R13B	cg11829633	rs7154682	C	T	-0.257	0.035	0.142	1.42E-13	-0.008	0.003	0.021	0.015	54.648	TRUE	1.10E-12
FVC	PPP1R13B	cg11829633	rs78113926	C	T	0.402	0.052	0.052	1.55E-14	0.005	0.005	0.338	0.016	59.006	TRUE	4.89E-14
FVC	PPP1R13B	cg11829633	rs79028212	G	C	0.390	0.050	0.054	6.92E-15	-0.008	0.005	0.109	0.016	60.589	TRUE	3.70E-14
FVC	PPP1R13B	cg11829633	rs8021877	A	G	-0.245	0.023	0.495	1.83E-25	0.000	0.002	0.851	0.029	108.701	TRUE	6.31E-25
FVC	PPP1R13B	cg18137598	rs10141157	T	C	0.292	0.023	0.488	6.31E-36	-0.002	0.002	0.436	0.041	156.501	TRUE	9.88E-35
FVC	PPP1R13B	cg18137598	rs11160740	G	A	-0.253	0.023	0.470	5.40E-28	0.000	0.002	0.993	0.031	120.251	TRUE	1.87E-27
FVC	PPP1R13B	cg18137598	rs11626034	G	A	-0.360	0.025	0.337	2.21E-47	-0.003	0.003	0.241	0.053	208.940	TRUE	2.05E-45
FVC	PPP1R13B	cg18137598	rs117812025	T	G	-0.808	0.109	0.025	1.16E-13	-0.008	0.008	0.298	0.015	55.040	TRUE	3.73E-13
FVC	PPP1R13B	cg18137598	rs2039894	A	G	-0.199	0.024	0.389	1.29E-16	0.001	0.002	0.702	0.018	68.436	TRUE	3.02E-16
FVC	PPP1R13B	cg18137598	rs3212028	T	C	-1.169	0.029	0.138	<1E-200	0.001	0.004	0.688	0.303	1604.379	TRUE	4.67E-306
FVC	PPP1R13B	cg18137598	rs34177372	A	G	-0.845	0.150	0.014	1.86E-08	-0.009	0.011	0.412	0.008	31.614	TRUE	3.60E-08
FVC	PPP1R13B	cg18137598	rs35219418	T	A	0.169	0.028	0.220	2.35E-09	-0.003	0.003	0.297	0.010	35.641	TRUE	5.44E-09
FVC	PPP1R13B	cg18137598	rs35826019	T	C	-0.145	0.024	0.457	7.75E-10	0.001	0.002	0.548	0.010	37.802	TRUE	1.42E-09
FVC	PPP1R13B	cg18137598	rs36042291	A	G	-0.619	0.100	0.011	6.15E-10	0.006	0.011	0.576	0.010	38.252	TRUE	1.12E-09
FVC	PPP1R13B	cg18137598	rs3759579	A	G	0.238	0.024	0.406	6.01E-24	0.001	0.002	0.839	0.027	101.789	TRUE	1.94E-23
FVC	PPP1R13B	cg18137598	rs45488896	T	C	-0.767	0.078	0.022	6.49E-23	-0.012	0.007	0.092	0.026	97.077	TRUE	7.73E-22
FVC	PPP1R13B	cg18137598	rs6575976	C	T	0.263	0.024	0.431	6.72E-29	0.000	0.002	0.955	0.033	124.382	TRUE	2.60E-28
FVC	PPP1R13B	cg18137598	rs67478160	T	C	0.312	0.023	0.422	1.82E-40	-0.004	0.002	0.104	0.046	177.267	TRUE	1.36E-38
FVC	PPP1R13B	cg18137598	rs7155786	T	C	0.206	0.036	0.117	9.24E-09	-0.006	0.004	0.129	0.009	32.976	TRUE	2.67E-08
FVC	PPP3R1	cg14414124	rs62143871	A	C	-0.198	0.024	0.384	6.90E-17	0.003	0.002	0.194	0.018	69.663	TRUE	3.53E-16
FVC	PPP3R1	cg16179607	rs10195757	T	C	0.490	0.024	0.358	1.23E-93	0.003	0.003	0.256	0.102	421.139	TRUE	1.54E-88
FVC	PPP3R1	cg16179607	rs7592330	G	A	0.143	0.024	0.467	1.28E-09	0.004	0.002	0.064	0.010	36.829	TRUE	4.78E-09
FVC	PPP3R1	cg19015708	rs11126179	C	T	-0.303	0.023	0.397	1.86E-38	0.003	0.002	0.287	0.043	168.071	TRUE	5.65E-37
FVC	PPP3R1	cg19015708	rs1867312	C	A	0.135	0.024	0.451	1.16E-08	0.003	0.002	0.196	0.009	32.541	TRUE	2.93E-08
FVC	PPP3R1	cg19015708	rs4078978	T	C	-0.318	0.045	0.074	1.07E-12	0.003	0.004	0.456	0.014	50.690	TRUE	2.58E-12
FVC	PPP3R1	cg19015708	rs6546359	G	C	0.442	0.026	0.259	8.90E-64	-0.007	0.003	0.006	0.071	284.096	TRUE	9.00E-60
FVC	PPP3R1	cg19015708	rs74434844	C	T	0.394	0.057	0.047	5.45E-12	-0.001	0.006	0.830	0.013	47.493	TRUE	8.85E-12
FVC	PPT2	cg00086577	rs1042337	G	A	-0.172	0.027	0.253	9.88E-11	-0.008	0.003	0.004	0.011	41.822	TRUE	7.51E-10
FVC	PPT2	cg00086577	rs1061118	G	A	-0.176	0.026	0.318	6.34E-12	0.016	0.003	5.41E-10	0.013	47.195	TRUE	4.79E-10
FVC	PPT2	cg00086577	rs1269839	T	G	-0.604	0.050	0.055	4.06E-34	0.001	0.005	0.888	0.039	148.230	TRUE	2.62E-33
FVC	PPT2	cg00086577	rs151719	C	T	-0.203	0.027	0.248	6.05E-14	0.001	0.003	0.727	0.015	56.326	TRUE	1.21E-13
FVC	PPT2	cg00086577	rs2596464	T	C	-0.146	0.024	0.464	5.13E-10	0.005	0.002	0.035	0.010	38.607	TRUE	2.31E-09
FVC	PPT2	cg00086577	rs3130283	A	C	-0.672	0.031	0.161	1.57E-103	0.031	0.003	3.90E-20	0.112	466.579	TRUE	1.30E-90
FVC	PPT2	cg00086577	rs3131627	A	G	-0.228	0.024	0.404	1.88E-21	0.014	0.002	2.17E-09	0.024	90.419	TRUE	8.62E-19
FVC	PPT2	cg00086577	rs34137317	T	C	-0.547	0.096	0.020	1.37E-08	0.027	0.009	0.003	0.009	32.207	TRUE	8.70E-08
FVC	PPT2	cg00086577	rs397515530	A	G	0.186	0.026	0.297	6.38E-13	-0.011	0.003	1.09E-05	0.014	51.699	TRUE	1.73E-11
FVC	PPT2	cg00086577	rs71534539	A	G	0.251	0.032	0.441	1.75E-15	-0.005	0.003	0.071	0.017	63.295	TRUE	1.11E-14
FVC	PPT2	cg00086577	rs7770045	G	T	0.144	0.024	0.451	8.06E-10	-0.005	0.002	0.039	0.010	37.725	TRUE	3.48E-09
FVC	PPT2	cg00086577	rs805825	A	G	0.302	0.024	0.445	3.63E-37	-0.008	0.002	9.32E-04	0.042	162.174	TRUE	1.27E-34
FVC	PPT2	cg00086577	rs909253	G	A	0.311	0.024	0.360	1.08E-37	-0.019	0.002	1.53E-14	0.043	164.589	TRUE	7.86E-33

FVC	PPT2	cg00086577	rs9264642	T	C	-0.142	0.024	0.393	5.68E-09	0.002	0.002	0.472	0.009	33.924	TRUE	1.06E-08
FVC	PPT2	cg00086577	rs9268202	T	C	0.294	0.028	0.231	3.03E-26	-0.011	0.003	2.18E-04	0.029	112.264	TRUE	3.91E-24
FVC	PPT2	cg00086577	rs9270505	A	G	-0.319	0.023	0.424	5.25E-42	0.010	0.002	6.32E-05	0.047	184.321	TRUE	9.95E-39
FVC	PPT2	cg00086577	rs9276816	T	C	0.221	0.024	0.423	1.00E-20	-0.015	0.002	1.35E-10	0.023	87.112	TRUE	5.28E-18
FVC	PPT2	cg00110832	rs3130284	C	T	-0.184	0.027	0.236	2.15E-11	-0.011	0.003	9.01E-05	0.012	44.807	TRUE	3.47E-10
FVC	PPT2	cg00552704	rs3130284	C	T	-0.283	0.027	0.236	4.55E-25	-0.011	0.003	9.01E-05	0.028	106.896	TRUE	5.69E-23
FVC	PPT2	cg00552704	rs35915063	G	A	0.187	0.032	0.171	2.96E-09	-0.012	0.003	1.30E-04	0.009	35.193	TRUE	3.24E-08
FVC	PPT2	cg00552704	rs6906662	A	G	-0.276	0.049	0.062	2.09E-08	-0.005	0.005	0.304	0.008	31.395	TRUE	4.47E-08
FVC	PPT2	cg00552704	rs805305	G	C	-0.164	0.025	0.362	4.68E-11	-0.006	0.002	0.021	0.012	43.283	TRUE	2.83E-10
FVC	PPT2	cg00552704	rs9267817	A	G	0.488	0.029	0.212	1.53E-65	0.001	0.003	0.821	0.073	292.192	TRUE	3.82E-63
FVC	PPT2	cg00933538	rs115884658	A	G	0.645	0.092	0.021	1.80E-12	0.017	0.009	0.052	0.013	49.661	TRUE	9.67E-12
FVC	PPT2	cg00933538	rs116416438	A	G	0.523	0.077	0.021	1.42E-11	0.003	0.008	0.669	0.012	45.613	TRUE	2.61E-11
FVC	PPT2	cg00933538	rs2854260	T	C	0.295	0.032	0.169	5.40E-20	-0.012	0.003	1.30E-04	0.022	83.782	TRUE	3.08E-18
FVC	PPT2	cg00933538	rs3130284	C	T	-0.321	0.027	0.236	6.57E-32	-0.011	0.003	9.01E-05	0.036	138.130	TRUE	2.23E-29
FVC	PPT2	cg00933538	rs3213490	T	C	0.186	0.023	0.447	2.10E-15	-0.005	0.002	0.039	0.017	62.934	TRUE	1.62E-14
FVC	PPT2	cg00933538	rs707930	T	C	0.254	0.024	0.464	1.32E-26	-0.008	0.002	0.001	0.030	113.915	TRUE	1.15E-24
FVC	PPT2	cg00933538	rs9267817	A	G	0.763	0.028	0.212	1.04E-168	0.001	0.003	0.821	0.172	766.087	TRUE	1.67E-156
FVC	PPT2	cg01111041	rs1269839	T	G	0.317	0.050	0.055	2.24E-10	0.001	0.005	0.888	0.011	40.225	TRUE	3.21E-10
FVC	PPT2	cg02956248	rs3130283	A	C	0.261	0.032	0.161	2.57E-16	0.031	0.003	3.90E-20	0.018	67.070	TRUE	4.42E-13
FVC	PPT2	cg03434432	rs151719	C	T	-0.310	0.027	0.248	7.99E-31	0.001	0.003	0.727	0.035	133.172	TRUE	5.13E-30
FVC	PPT2	cg03434432	rs176095	G	A	0.278	0.026	0.259	1.00E-25	-0.010	0.003	3.89E-04	0.029	109.894	TRUE	9.94E-24
FVC	PPT2	cg03434432	rs241447	C	T	0.172	0.028	0.242	4.51E-10	0.003	0.003	0.230	0.010	38.859	TRUE	1.20E-09
FVC	PPT2	cg03434432	rs2844512	C	G	-0.328	0.024	0.392	9.39E-43	0.011	0.002	5.60E-06	0.048	187.745	TRUE	3.97E-39
FVC	PPT2	cg03434432	rs3130283	A	C	-1.178	0.025	0.161	<1E-200	0.031	0.003	3.90E-20	0.368	2152.006	TRUE	<1E-200
FVC	PPT2	cg03434432	rs3130934	A	C	-0.384	0.025	0.316	1.48E-51	0.016	0.003	7.31E-10	0.058	228.066	TRUE	2.64E-46
FVC	PPT2	cg03434432	rs3131627	A	G	-0.331	0.024	0.404	2.53E-44	0.014	0.002	2.17E-09	0.050	194.931	TRUE	8.50E-40
FVC	PPT2	cg03434432	rs34137317	T	C	-0.985	0.096	0.020	8.43E-25	0.027	0.009	0.003	0.028	105.677	TRUE	4.37E-23
FVC	PPT2	cg03434432	rs3819306	G	A	0.159	0.024	0.382	3.03E-11	0.008	0.003	7.70E-04	0.012	44.131	TRUE	3.37E-10
FVC	PPT2	cg03434432	rs41316200	T	C	0.224	0.031	0.171	8.26E-13	-0.016	0.004	5.13E-06	0.014	51.192	TRUE	2.56E-11
FVC	PPT2	cg03434432	rs429608	A	G	0.207	0.032	0.156	1.10E-10	0.005	0.003	0.156	0.011	41.604	TRUE	3.54E-10
FVC	PPT2	cg03434432	rs537757	T	A	0.274	0.024	0.373	2.41E-29	-0.011	0.002	9.73E-06	0.033	126.414	TRUE	1.01E-26
FVC	PPT2	cg03434432	rs805825	A	G	0.302	0.024	0.445	2.82E-37	-0.008	0.002	9.32E-04	0.042	162.674	TRUE	1.00E-34
FVC	PPT2	cg03434432	rs9267817	A	G	0.202	0.029	0.212	3.03E-12	0.001	0.003	0.821	0.013	48.643	TRUE	5.08E-12
FVC	PPT2	cg03434432	rs9273748	A	C	0.238	0.038	0.104	2.36E-10	-0.008	0.004	0.037	0.011	40.123	TRUE	1.10E-09
FVC	PPT2	cg03434432	rs9469089	C	G	0.201	0.033	0.144	1.88E-09	0.002	0.003	0.617	0.010	36.072	TRUE	3.22E-09
FVC	PPT2	cg03995156	rs1269839	T	G	-0.353	0.050	0.055	1.43E-12	0.001	0.005	0.888	0.013	50.114	TRUE	2.26E-12
FVC	PPT2	cg03995156	rs2596496	C	G	-0.142	0.025	0.336	8.79E-09	0.011	0.003	1.28E-05	0.009	33.075	TRUE	1.19E-07
FVC	PPT2	cg03995156	rs2844512	C	G	-0.180	0.024	0.392	1.01E-13	0.011	0.002	5.60E-06	0.015	55.323	TRUE	3.76E-12
FVC	PPT2	cg03995156	rs3130283	A	C	-0.472	0.032	0.161	1.54E-50	0.031	0.003	3.90E-20	0.057	223.401	TRUE	1.35E-43
FVC	PPT2	cg03995156	rs397515530	A	G	0.160	0.026	0.297	5.79E-10	-0.011	0.003	1.09E-05	0.010	38.369	TRUE	9.35E-09
FVC	PPT2	cg03995156	rs805825	A	G	0.197	0.024	0.445	1.56E-16	-0.008	0.002	9.32E-04	0.018	68.055	TRUE	3.42E-15
FVC	PPT2	cg03995156	rs9264642	T	C	-0.135	0.024	0.393	2.62E-08	0.002	0.002	0.472	0.008	30.953	TRUE	4.71E-08

FVC	PPT2	cg03995156	rs9270505	A	G	-0.192	0.024	0.424	5.16E-16	0.010	0.002	6.32E-05	0.017	65.698	TRUE	1.91E-14
FVC	PPT2	cg03995156	rs9276816	T	C	0.138	0.024	0.423	5.69E-09	-0.015	0.002	1.35E-10	0.009	33.921	TRUE	2.20E-07
FVC	PPT2	cg04105091	rs3130348	A	C	-0.232	0.027	0.237	2.63E-17	-0.011	0.003	1.12E-04	0.019	71.569	TRUE	1.02E-15
FVC	PPT2	cg04105091	rs805305	G	C	-0.184	0.025	0.362	1.41E-13	-0.006	0.002	0.021	0.015	54.669	TRUE	1.13E-12
FVC	PPT2	cg04105091	rs9267817	A	G	0.371	0.029	0.212	5.68E-38	0.001	0.003	0.821	0.043	165.858	TRUE	5.86E-37
FVC	PPT2	cg04536704	rs151719	C	T	-0.176	0.027	0.248	6.97E-11	0.001	0.003	0.727	0.011	42.504	TRUE	1.19E-10
FVC	PPT2	cg04536704	rs2844512	C	G	-0.233	0.024	0.392	3.46E-22	0.011	0.002	5.60E-06	0.025	93.767	TRUE	5.25E-20
FVC	PPT2	cg04536704	rs3130283	A	C	-0.539	0.031	0.161	2.04E-66	0.031	0.003	3.90E-20	0.074	296.202	TRUE	8.68E-58
FVC	PPT2	cg04536704	rs3130284	C	T	0.263	0.027	0.236	6.99E-22	-0.011	0.003	9.01E-05	0.024	92.377	TRUE	5.49E-20
FVC	PPT2	cg04536704	rs3131627	A	G	-0.190	0.024	0.404	1.46E-15	0.014	0.002	2.17E-09	0.017	63.653	TRUE	2.08E-13
FVC	PPT2	cg04536704	rs743401	C	T	-0.159	0.024	0.404	1.89E-11	0.012	0.002	1.29E-06	0.012	45.062	TRUE	5.33E-10
FVC	PPT2	cg04536704	rs7755290	G	A	-0.273	0.050	0.054	4.74E-08	-0.002	0.005	0.759	0.008	29.805	TRUE	6.78E-08
FVC	PPT2	cg04536704	rs805825	A	G	0.237	0.024	0.445	1.94E-23	-0.008	0.002	9.32E-04	0.026	99.465	TRUE	1.06E-21
FVC	PPT2	cg04536704	rs9265494	C	T	0.206	0.025	0.336	4.75E-16	-0.006	0.003	0.015	0.017	65.860	TRUE	5.13E-15
FVC	PPT2	cg04536704	rs9270505	A	G	-0.232	0.024	0.424	7.17E-23	0.010	0.002	6.32E-05	0.026	96.882	TRUE	7.44E-21
FVC	PPT2	cg04536704	rs9276582	C	G	0.216	0.030	0.185	6.55E-13	-0.006	0.003	0.071	0.014	51.646	TRUE	3.27E-12
FVC	PPT2	cg04536704	rs9276816	T	C	0.138	0.024	0.423	4.97E-09	-0.015	0.002	1.35E-10	0.009	34.184	TRUE	1.95E-07
FVC	PPT2	cg04749507	rs114004994	C	G	0.523	0.061	0.036	9.02E-18	0.005	0.006	0.414	0.020	73.677	TRUE	3.29E-17
FVC	PPT2	cg04749507	rs1573648	A	G	-0.132	0.024	0.456	2.13E-08	-0.004	0.002	0.109	0.008	31.353	TRUE	6.18E-08
FVC	PPT2	cg04749507	rs9267817	A	G	-0.445	0.029	0.212	1.05E-54	0.001	0.003	0.821	0.062	242.497	TRUE	6.44E-53
FVC	PPT2	cg04856022	rs1269839	T	G	-0.307	0.050	0.055	8.37E-10	0.001	0.005	0.888	0.010	37.652	TRUE	1.17E-09
FVC	PPT2	cg04856022	rs151719	C	T	-0.151	0.027	0.248	2.31E-08	0.001	0.003	0.727	0.008	31.196	TRUE	3.47E-08
FVC	PPT2	cg04856022	rs17843619	C	A	-0.182	0.023	0.496	3.73E-15	0.019	0.003	3.98E-15	0.016	61.806	TRUE	1.62E-12
FVC	PPT2	cg04856022	rs2844512	C	G	-0.243	0.024	0.392	6.88E-24	0.011	0.002	5.60E-06	0.027	101.521	TRUE	1.37E-21
FVC	PPT2	cg04856022	rs3130283	A	C	-0.577	0.031	0.161	1.19E-75	0.031	0.003	3.90E-20	0.084	338.570	TRUE	5.25E-66
FVC	PPT2	cg04856022	rs3131627	A	G	-0.196	0.024	0.404	2.21E-16	0.014	0.002	2.17E-09	0.018	67.368	TRUE	3.73E-14
FVC	PPT2	cg04856022	rs3134944	T	C	0.293	0.027	0.237	1.06E-26	-0.011	0.003	1.20E-04	0.030	114.349	TRUE	1.56E-24
FVC	PPT2	cg04856022	rs805825	A	G	0.243	0.024	0.445	1.60E-24	-0.008	0.002	9.32E-04	0.027	104.403	TRUE	1.01E-22
FVC	PPT2	cg04856022	rs9263787	T	A	-0.174	0.024	0.404	3.10E-13	0.012	0.002	1.28E-06	0.014	53.118	TRUE	1.22E-11
FVC	PPT2	cg04856022	rs9265494	C	T	0.210	0.025	0.336	1.37E-16	-0.006	0.003	0.015	0.018	68.308	TRUE	1.57E-15
FVC	PPT2	cg04856022	rs9270505	A	G	-0.229	0.024	0.424	2.71E-22	0.010	0.002	6.32E-05	0.025	94.251	TRUE	2.58E-20
FVC	PPT2	cg04856022	rs9276582	C	G	0.215	0.030	0.185	1.16E-12	-0.006	0.003	0.071	0.013	50.520	TRUE	5.67E-12
FVC	PPT2	cg04856022	rs9276816	T	C	0.167	0.024	0.423	1.99E-12	-0.015	0.002	1.35E-10	0.013	49.465	TRUE	1.79E-10
FVC	PPT2	cg04877280	rs2763979	T	C	0.147	0.025	0.351	2.80E-09	-0.006	0.002	0.024	0.009	35.297	TRUE	1.31E-08
FVC	PPT2	cg04877280	rs3130283	A	C	-0.319	0.032	0.161	7.18E-24	0.031	0.003	3.90E-20	0.027	101.436	TRUE	9.52E-20
FVC	PPT2	cg05133205	rs3130071	T	A	0.206	0.033	0.148	3.23E-10	0.028	0.003	5.51E-17	0.011	39.509	TRUE	5.37E-08
FVC	PPT2	cg05133205	rs3130348	A	C	-0.309	0.027	0.237	1.11E-29	-0.011	0.003	1.12E-04	0.033	127.959	TRUE	2.61E-27
FVC	PPT2	cg05133205	rs6906662	A	G	-0.276	0.049	0.062	2.19E-08	-0.005	0.005	0.304	0.008	31.304	TRUE	4.68E-08
FVC	PPT2	cg05133205	rs805305	G	C	-0.228	0.025	0.362	4.89E-20	-0.006	0.002	0.021	0.022	83.977	TRUE	8.06E-19
FVC	PPT2	cg05133205	rs9267817	A	G	0.407	0.029	0.212	1.00E-45	0.001	0.003	0.821	0.052	201.349	TRUE	2.23E-44
FVC	PPT2	cg05133205	rs9276582	C	G	-0.184	0.030	0.185	1.12E-09	-0.006	0.003	0.071	0.010	37.082	TRUE	4.10E-09
FVC	PPT2	cg05323467	rs9267817	A	G	0.214	0.029	0.212	9.32E-14	0.001	0.003	0.821	0.015	55.477	TRUE	1.69E-13

FVC	PPT2	cg06025456	rs6457535	A	G	0.198	0.032	0.158	4.32E-10	0.026	0.003	6.18E-15	0.010	38.942	TRUE	5.15E-08
FVC	PPT2	cg06108383	rs3130283	A	C	0.264	0.032	0.161	1.09E-16	0.031	0.003	3.90E-20	0.018	68.758	TRUE	2.09E-13
FVC	PPT2	cg06264679	rs116416438	A	G	0.445	0.078	0.021	9.86E-09	0.003	0.008	0.669	0.009	32.850	TRUE	1.56E-08
FVC	PPT2	cg06264679	rs2243873	C	A	-0.143	0.024	0.459	2.38E-09	0.008	0.002	3.59E-04	0.010	35.612	TRUE	2.40E-08
FVC	PPT2	cg06264679	rs3130284	C	T	-0.271	0.027	0.236	4.71E-23	-0.011	0.003	9.01E-05	0.026	97.712	TRUE	4.39E-21
FVC	PPT2	cg06264679	rs6457646	A	G	0.136	0.023	0.447	6.79E-09	-0.005	0.002	0.039	0.009	33.575	TRUE	2.65E-08
FVC	PPT2	cg06264679	rs805305	G	C	-0.190	0.025	0.362	2.65E-14	-0.006	0.002	0.021	0.015	57.945	TRUE	2.31E-13
FVC	PPT2	cg06264679	rs9267817	A	G	0.542	0.028	0.212	4.40E-81	0.001	0.003	0.821	0.089	363.506	TRUE	1.15E-77
FVC	PPT2	cg06814287	rs2596464	T	C	0.137	0.024	0.464	5.58E-09	0.005	0.002	0.035	0.009	33.958	TRUE	2.25E-08
FVC	PPT2	cg06814287	rs3130283	A	C	0.262	0.032	0.161	1.99E-16	0.031	0.003	3.90E-20	0.018	67.575	TRUE	3.53E-13
FVC	PPT2	cg06814287	rs3130284	C	T	-0.258	0.027	0.236	4.79E-21	-0.011	0.003	9.01E-05	0.023	88.567	TRUE	3.33E-19
FVC	PPT2	cg06814287	rs3957147	T	C	-0.203	0.030	0.188	2.66E-11	-0.007	0.003	0.027	0.012	44.390	TRUE	1.47E-10
FVC	PPT2	cg06814287	rs805825	A	G	-0.130	0.024	0.445	4.90E-08	-0.008	0.002	9.32E-04	0.008	29.741	TRUE	3.23E-07
FVC	PPT2	cg06814287	rs909253	G	A	-0.137	0.024	0.360	1.98E-08	-0.019	0.002	1.53E-14	0.008	31.495	TRUE	1.32E-06
FVC	PPT2	cg06832687	rs151719	C	T	-0.159	0.027	0.248	4.00E-09	0.001	0.003	0.727	0.009	34.603	TRUE	6.24E-09
FVC	PPT2	cg06832687	rs2596496	C	G	-0.163	0.025	0.336	3.15E-11	0.011	0.003	1.28E-05	0.012	44.059	TRUE	6.73E-10
FVC	PPT2	cg06832687	rs2844512	C	G	-0.146	0.024	0.392	1.52E-09	0.011	0.002	5.60E-06	0.010	36.488	TRUE	2.64E-08
FVC	PPT2	cg06832687	rs3130283	A	C	-0.524	0.031	0.161	1.14E-62	0.031	0.003	3.90E-20	0.070	279.013	TRUE	1.91E-54
FVC	PPT2	cg06832687	rs3130934	A	C	-0.163	0.026	0.316	2.20E-10	0.016	0.003	7.31E-10	0.011	40.259	TRUE	1.13E-08
FVC	PPT2	cg06832687	rs805825	A	G	0.190	0.024	0.445	1.60E-15	-0.008	0.002	9.32E-04	0.017	63.465	TRUE	3.07E-14
FVC	PPT2	cg06832687	rs9265494	C	T	0.146	0.025	0.336	9.57E-09	-0.006	0.003	0.015	0.009	32.909	TRUE	4.46E-08
FVC	PPT2	cg06832687	rs9270505	A	G	-0.176	0.024	0.424	7.81E-14	0.010	0.002	6.32E-05	0.015	55.822	TRUE	2.05E-12
FVC	PPT2	cg06832687	rs9273710	G	A	-0.172	0.023	0.475	2.15E-13	0.020	0.003	2.60E-15	0.014	53.834	TRUE	7.24E-11
FVC	PPT2	cg06832687	rs9276816	T	C	0.137	0.024	0.423	7.00E-09	-0.015	0.002	1.35E-10	0.009	33.518	TRUE	2.64E-07
FVC	PPT2	cg06902929	rs1269839	T	G	-0.423	0.050	0.055	1.69E-17	0.001	0.005	0.888	0.019	72.440	TRUE	3.43E-17
FVC	PPT2	cg06902929	rs184006295	T	C	-0.194	0.033	0.130	5.99E-09	-0.009	0.004	0.019	0.009	33.820	TRUE	2.77E-08
FVC	PPT2	cg06902929	rs2844512	C	G	-0.142	0.024	0.392	4.21E-09	0.011	0.002	5.60E-06	0.009	34.508	TRUE	6.71E-08
FVC	PPT2	cg06902929	rs9267817	A	G	0.161	0.029	0.212	2.71E-08	0.001	0.003	0.821	0.008	30.890	TRUE	3.78E-08
FVC	PPT2	cg08057899	rs3134944	T	C	-0.250	0.027	0.237	3.02E-20	-0.011	0.003	1.20E-04	0.022	84.930	TRUE	1.76E-18
FVC	PPT2	cg08295094	rs1055890	G	A	0.162	0.025	0.356	4.91E-11	-0.003	0.003	0.224	0.012	43.189	TRUE	1.42E-10
FVC	PPT2	cg08295094	rs111301312	G	T	-0.443	0.059	0.039	5.14E-14	0.002	0.006	0.733	0.015	56.644	TRUE	1.02E-13
FVC	PPT2	cg08295094	rs1419881	A	G	-0.190	0.023	0.488	2.91E-16	-0.013	0.002	3.19E-08	0.018	66.827	TRUE	3.70E-14
FVC	PPT2	cg08295094	rs2243873	C	A	-0.215	0.024	0.459	1.16E-19	0.008	0.002	3.59E-04	0.022	82.276	TRUE	5.37E-18
FVC	PPT2	cg08295094	rs2395191	T	C	0.191	0.025	0.357	1.17E-14	0.021	0.003	5.65E-15	0.016	59.547	TRUE	4.33E-12
FVC	PPT2	cg08295094	rs2844512	C	G	0.189	0.024	0.392	3.83E-15	0.011	0.002	5.60E-06	0.016	61.752	TRUE	1.83E-13
FVC	PPT2	cg08295094	rs3130348	A	C	-0.636	0.026	0.237	2.71E-129	-0.011	0.003	1.12E-04	0.137	584.928	TRUE	3.77E-118
FVC	PPT2	cg08295094	rs41543814	T	C	0.196	0.024	0.417	1.24E-16	-0.003	0.002	0.155	0.018	68.516	TRUE	6.61E-16
FVC	PPT2	cg08295094	rs522254	G	A	0.215	0.028	0.207	2.81E-14	-0.014	0.003	1.61E-06	0.015	57.833	TRUE	1.40E-12
FVC	PPT2	cg08295094	rs71543427	A	C	-0.500	0.077	0.024	1.05E-10	0.003	0.008	0.686	0.011	41.698	TRUE	1.82E-10
FVC	PPT2	cg08295094	rs805305	G	C	-0.255	0.025	0.362	3.92E-25	-0.006	0.002	0.021	0.028	107.194	TRUE	1.15E-23
FVC	PPT2	cg08295094	rs9265494	C	T	-0.153	0.025	0.336	1.62E-09	-0.006	0.003	0.015	0.010	36.361	TRUE	8.31E-09
FVC	PPT2	cg08295094	rs9266225	C	T	0.152	0.026	0.310	3.63E-09	-0.007	0.003	0.009	0.009	34.794	TRUE	1.97E-08

FVC	PPT2	cg08295094	rs9267817	A	G	0.190	0.029	0.212	4.04E-11	0.001	0.003	0.821	0.012	43.571	TRUE	6.41E-11
FVC	PPT2	cg08295094	rs9273325	A	G	-0.324	0.032	0.150	1.15E-24	-0.008	0.003	0.010	0.028	105.065	TRUE	3.93E-23
FVC	PPT2	cg10551329	rs3130283	A	C	0.182	0.032	0.161	1.07E-08	0.031	0.003	3.90E-20	0.009	32.689	TRUE	1.61E-06
FVC	PPT2	cg11122280	rs1269839	T	G	0.483	0.050	0.055	1.72E-22	0.001	0.005	0.888	0.025	95.154	TRUE	4.69E-22
FVC	PPT2	cg11386011	rs3131297	T	A	-0.195	0.028	0.236	1.33E-12	-0.011	0.003	7.15E-05	0.013	50.254	TRUE	2.73E-11
FVC	PPT2	cg11386011	rs9267817	A	G	0.165	0.029	0.212	1.35E-08	0.001	0.003	0.821	0.009	32.246	TRUE	1.90E-08
FVC	PPT2	cg11941520	rs176095	G	A	-0.180	0.027	0.259	1.24E-11	-0.010	0.003	3.89E-04	0.012	45.889	TRUE	1.68E-10
FVC	PPT2	cg11941520	rs2854260	T	C	0.219	0.032	0.169	1.19E-11	-0.012	0.003	1.30E-04	0.012	45.955	TRUE	1.94E-10
FVC	PPT2	cg11941520	rs805305	G	C	-0.162	0.025	0.362	8.06E-11	-0.006	0.002	0.021	0.011	42.221	TRUE	4.74E-10
FVC	PPT2	cg11941520	rs9267817	A	G	0.502	0.029	0.212	2.19E-69	0.001	0.003	0.821	0.077	309.825	TRUE	9.44E-67
FVC	PPT2	cg12585943	rs3130348	A	C	-0.263	0.027	0.237	6.97E-22	-0.011	0.003	1.12E-04	0.024	92.383	TRUE	5.30E-20
FVC	PPT2	cg12585943	rs805305	G	C	-0.208	0.025	0.362	5.47E-17	-0.006	0.002	0.021	0.019	70.122	TRUE	6.43E-16
FVC	PPT2	cg12585943	rs9267817	A	G	0.449	0.029	0.212	1.27E-55	0.001	0.003	0.821	0.063	246.711	TRUE	8.68E-54
FVC	PPT2	cg12738718	rs3130348	A	C	-0.186	0.028	0.237	1.48E-11	-0.011	0.003	1.12E-04	0.012	45.531	TRUE	2.40E-10
FVC	PPT2	cg12738718	rs805825	A	G	-0.145	0.024	0.445	1.22E-09	-0.008	0.002	9.32E-04	0.010	36.921	TRUE	1.03E-08
FVC	PPT2	cg12738718	rs9267817	A	G	0.257	0.029	0.212	5.94E-19	0.001	0.003	0.821	0.021	79.044	TRUE	1.44E-18
FVC	PPT2	cg12883279	rs1061808	T	G	0.147	0.024	0.377	1.07E-09	0.017	0.002	6.95E-12	0.010	37.182	TRUE	6.93E-08
FVC	PPT2	cg13102294	rs3134947	T	C	-0.264	0.027	0.237	5.81E-22	-0.011	0.003	1.35E-04	0.024	92.741	TRUE	4.34E-20
FVC	PPT2	cg13102294	rs805305	G	C	-0.196	0.025	0.362	4.09E-15	-0.006	0.002	0.021	0.016	61.623	TRUE	3.90E-14
FVC	PPT2	cg13102294	rs9267817	A	G	0.476	0.029	0.212	1.78E-62	0.001	0.003	0.821	0.070	278.133	TRUE	2.93E-60
FVC	PPT2	cg13934406	rs3117578	A	G	0.205	0.032	0.153	1.43E-10	0.028	0.003	5.02E-17	0.011	41.096	TRUE	2.57E-08
FVC	PPT2	cg14130039	rs3130348	A	C	-0.205	0.027	0.237	8.52E-14	-0.011	0.003	1.12E-04	0.015	55.652	TRUE	1.96E-12
FVC	PPT2	cg14130039	rs805305	G	C	-0.152	0.025	0.362	1.06E-09	-0.006	0.002	0.021	0.010	37.197	TRUE	5.45E-09
FVC	PPT2	cg14130039	rs9267817	A	G	0.289	0.029	0.212	1.62E-23	0.001	0.003	0.821	0.026	99.830	TRUE	5.24E-23
FVC	PPT2	cg14237933	rs9267817	A	G	0.227	0.028	0.212	1.32E-15	0.001	0.003	0.821	0.017	63.856	TRUE	2.63E-15
FVC	PPT2	cg15755475	rs116329723	G	T	-1.085	0.104	0.015	1.37E-25	-0.013	0.010	0.200	0.029	109.282	TRUE	1.44E-24
FVC	PPT2	cg15755475	rs1269839	T	G	-1.575	0.044	0.055	5.20E-284	0.001	0.005	0.888	0.259	1296.250	TRUE	2.07E-253
FVC	PPT2	cg15755475	rs1419881	A	G	-0.197	0.023	0.488	3.10E-17	-0.013	0.002	3.19E-08	0.019	71.243	TRUE	4.76E-15
FVC	PPT2	cg15755475	rs187764	T	C	-0.490	0.046	0.068	4.81E-26	0.003	0.005	0.576	0.029	111.351	TRUE	2.60E-25
FVC	PPT2	cg15755475	rs2261033	G	A	0.203	0.024	0.418	1.00E-17	-0.006	0.002	0.007	0.019	73.472	TRUE	1.61E-16
FVC	PPT2	cg15755475	rs2516466	T	G	0.145	0.024	0.446	7.51E-10	0.014	0.002	1.20E-08	0.010	37.864	TRUE	2.47E-08
FVC	PPT2	cg15755475	rs28366176	G	T	-0.443	0.031	0.152	1.77E-46	0.005	0.003	0.141	0.052	204.802	TRUE	2.23E-44
FVC	PPT2	cg15755475	rs41543814	T	C	-0.158	0.024	0.417	2.86E-11	-0.003	0.002	0.155	0.012	44.247	TRUE	9.69E-11
FVC	PPT2	cg15755475	rs6457646	A	G	0.154	0.023	0.447	3.75E-11	-0.005	0.002	0.039	0.012	43.717	TRUE	1.86E-10
FVC	PPT2	cg15755475	rs73404226	A	T	-0.455	0.071	0.027	1.19E-10	-0.002	0.008	0.760	0.011	41.455	TRUE	1.93E-10
FVC	PPT2	cg15755475	rs7889	C	G	0.155	0.024	0.363	1.77E-10	0.018	0.002	9.15E-14	0.011	40.688	TRUE	2.01E-08
FVC	PPT2	cg15755475	rs9266253	G	C	-0.254	0.031	0.178	8.19E-17	-0.005	0.003	0.076	0.018	69.326	TRUE	5.86E-16
FVC	PPT2	cg17113856	rs3130071	T	A	0.282	0.033	0.148	7.15E-18	0.028	0.003	5.51E-17	0.020	74.133	TRUE	1.04E-14
FVC	PPT2	cg17229678	rs114004994	C	G	-0.414	0.061	0.036	1.30E-11	0.005	0.006	0.414	0.012	45.793	TRUE	3.09E-11
FVC	PPT2	cg17229678	rs115884658	A	G	0.698	0.091	0.021	2.40E-14	0.017	0.009	0.052	0.015	58.145	TRUE	1.55E-13
FVC	PPT2	cg17229678	rs116416438	A	G	0.497	0.078	0.021	1.46E-10	0.003	0.008	0.669	0.011	41.057	TRUE	2.54E-10
FVC	PPT2	cg17229678	rs116744327	A	G	0.330	0.056	0.050	3.48E-09	-0.018	0.005	5.93E-04	0.009	34.876	TRUE	3.02E-08

FVC	PPT2	cg17229678	rs12660769	G	C	0.280	0.044	0.074	1.69E-10	0.008	0.004	0.069	0.011	40.778	TRUE	6.87E-10
FVC	PPT2	cg17229678	rs2243873	C	A	-0.166	0.024	0.459	3.10E-12	0.008	0.002	3.59E-04	0.013	48.599	TRUE	4.91E-11
FVC	PPT2	cg17229678	rs23544	T	C	0.137	0.024	0.410	1.34E-08	0.009	0.002	8.05E-05	0.009	32.249	TRUE	1.37E-07
FVC	PPT2	cg17229678	rs2844470	T	A	0.262	0.048	0.071	4.96E-08	-0.006	0.005	0.208	0.008	29.717	TRUE	1.18E-07
FVC	PPT2	cg17229678	rs3130284	C	T	-0.331	0.027	0.236	1.06E-33	-0.011	0.003	9.01E-05	0.038	146.320	TRUE	4.71E-31
FVC	PPT2	cg17229678	rs6457646	A	G	0.186	0.023	0.447	1.96E-15	-0.005	0.002	0.039	0.017	63.068	TRUE	1.51E-14
FVC	PPT2	cg17229678	rs6914412	C	T	-0.217	0.040	0.094	4.65E-08	-0.001	0.004	0.777	0.008	29.841	TRUE	6.54E-08
FVC	PPT2	cg17229678	rs707974	G	A	0.216	0.038	0.100	1.26E-08	-0.025	0.004	1.47E-10	0.009	32.378	TRUE	4.44E-07
FVC	PPT2	cg17229678	rs805305	G	C	-0.257	0.025	0.362	4.32E-25	-0.006	0.002	0.021	0.028	107.004	TRUE	1.26E-23
FVC	PPT2	cg17229678	rs9267817	A	G	0.799	0.027	0.212	3.47E-186	0.001	0.003	0.821	0.186	846.420	TRUE	1.19E-171
FVC	PPT2	cg17229678	rs9273501	A	T	0.208	0.024	0.352	5.43E-18	-0.012	0.003	1.42E-06	0.020	74.676	TRUE	4.95E-16
FVC	PPT2	cg17329164	rs3130284	C	T	-0.279	0.027	0.236	2.02E-24	-0.011	0.003	9.01E-05	0.027	103.946	TRUE	2.30E-22
FVC	PPT2	cg17329164	rs805305	G	C	-0.215	0.025	0.362	6.01E-18	-0.006	0.002	0.021	0.020	74.477	TRUE	7.86E-17
FVC	PPT2	cg17329164	rs9267817	A	G	0.463	0.029	0.212	4.63E-59	0.001	0.003	0.821	0.066	262.469	TRUE	4.88E-57
FVC	PPT2	cg17384105	rs34451818	G	C	0.533	0.048	0.048	4.13E-28	-0.032	0.005	2.27E-10	0.032	120.780	TRUE	8.94E-25
FVC	PPT2	cg18049167	rs3130284	C	T	-0.263	0.027	0.236	9.21E-22	-0.011	0.003	9.01E-05	0.024	91.829	TRUE	7.11E-20
FVC	PPT2	cg18049167	rs805305	G	C	-0.220	0.025	0.362	1.09E-18	-0.006	0.002	0.021	0.021	77.849	TRUE	1.54E-17
FVC	PPT2	cg18049167	rs9267817	A	G	0.454	0.029	0.212	6.51E-57	0.001	0.003	0.821	0.064	252.619	TRUE	5.23E-55
FVC	PPT2	cg19048176	rs9267817	A	G	-0.197	0.028	0.212	4.50E-12	0.001	0.003	0.821	0.013	47.868	TRUE	7.48E-12
FVC	PPT2	cg20328456	rs3130071	T	A	0.189	0.033	0.148	7.86E-09	0.028	0.003	5.51E-17	0.009	33.291	TRUE	8.31E-07
FVC	PPT2	cg20328456	rs3130348	A	C	-0.212	0.027	0.237	1.15E-14	-0.011	0.003	1.12E-04	0.016	59.582	TRUE	3.03E-13
FVC	PPT2	cg20328456	rs805305	G	C	-0.155	0.025	0.362	5.28E-10	-0.006	0.002	0.021	0.010	38.549	TRUE	2.82E-09
FVC	PPT2	cg20328456	rs9267817	A	G	0.167	0.029	0.212	9.53E-09	0.001	0.003	0.821	0.009	32.918	TRUE	1.36E-08
FVC	PPT2	cg21241317	rs1063346	A	G	-0.138	0.023	0.448	2.06E-09	0.013	0.003	2.13E-06	0.010	35.894	TRUE	3.95E-08
FVC	PPT2	cg21241317	rs3130283	A	C	-0.351	0.031	0.161	3.38E-29	0.031	0.003	3.90E-20	0.033	125.746	TRUE	1.72E-24
FVC	PPT2	cg23359665	rs3130283	A	C	0.272	0.032	0.161	1.21E-17	0.031	0.003	3.90E-20	0.019	73.105	TRUE	3.02E-14
FVC	PPT2	cg23470939	rs138039007	C	T	0.553	0.087	0.022	1.62E-10	0.015	0.008	0.063	0.011	40.857	TRUE	6.74E-10
FVC	PPT2	cg23470939	rs3130348	A	C	-0.257	0.027	0.237	6.66E-21	-0.011	0.003	1.12E-04	0.023	87.917	TRUE	4.40E-19
FVC	PPT2	cg23470939	rs3213490	T	C	0.163	0.023	0.447	3.56E-12	-0.005	0.002	0.039	0.013	48.325	TRUE	1.97E-11
FVC	PPT2	cg23470939	rs35353422	A	C	0.254	0.032	0.175	1.69E-15	-0.012	0.003	1.30E-04	0.017	63.359	TRUE	4.98E-14
FVC	PPT2	cg23470939	rs707930	T	C	0.196	0.024	0.464	2.20E-16	-0.008	0.002	0.001	0.018	67.381	TRUE	4.92E-15
FVC	PPT2	cg23470939	rs9267817	A	G	0.614	0.028	0.212	9.17E-106	0.001	0.003	0.821	0.114	476.833	TRUE	2.22E-100
FVC	PPT2	cg23660356	rs1269839	T	G	0.359	0.049	0.055	3.92E-13	0.001	0.005	0.888	0.014	52.652	TRUE	6.37E-13
FVC	PPT2	cg24009529	rs1050444	A	G	-0.228	0.032	0.185	6.87E-13	-0.001	0.003	0.862	0.014	51.554	TRUE	1.13E-12
FVC	PPT2	cg24009529	rs11759423	T	C	-0.271	0.044	0.068	1.04E-09	-0.021	0.005	3.02E-06	0.010	37.231	TRUE	1.90E-08
FVC	PPT2	cg24009529	rs1266071	T	C	-0.266	0.038	0.098	2.72E-12	-0.026	0.004	1.89E-11	0.013	48.854	TRUE	2.91E-10
FVC	PPT2	cg24009529	rs1419881	A	G	0.274	0.023	0.488	5.28E-32	-0.013	0.002	3.19E-08	0.036	138.566	TRUE	1.21E-28
FVC	PPT2	cg24009529	rs144027808	G	A	0.533	0.059	0.040	1.83E-19	0.002	0.006	0.715	0.022	81.373	TRUE	5.06E-19
FVC	PPT2	cg24009529	rs171329	A	G	-0.157	0.024	0.497	2.49E-11	0.010	0.002	4.09E-05	0.012	44.516	TRUE	4.73E-10
FVC	PPT2	cg24009529	rs3130348	A	C	0.943	0.023	0.237	<1E-200	-0.011	0.003	1.12E-04	0.310	1660.227	TRUE	<1E-200
FVC	PPT2	cg24009529	rs3819292	A	C	-0.197	0.033	0.154	2.23E-09	0.008	0.003	0.014	0.010	35.738	TRUE	1.16E-08
FVC	PPT2	cg24009529	rs408359	A	G	-0.286	0.048	0.066	2.74E-09	0.000	0.005	0.982	0.009	35.339	TRUE	3.52E-09

FVC	PPT2	cg24009529	rs41316204	C	T	-0.241	0.032	0.170	3.54E-14	-0.015	0.003	1.91E-05	0.015	57.378	TRUE	1.15E-12
FVC	PPT2	cg24009529	rs4959024	T	C	-0.288	0.024	0.374	3.63E-32	-0.011	0.002	3.78E-06	0.036	139.310	TRUE	3.10E-29
FVC	PPT2	cg24009529	rs56263516	G	T	-0.227	0.040	0.096	1.39E-08	-0.011	0.004	0.006	0.009	32.190	TRUE	7.74E-08
FVC	PPT2	cg24009529	rs62396663	A	G	0.667	0.094	0.014	1.00E-12	-0.006	0.011	0.566	0.014	50.808	TRUE	2.17E-12
FVC	PPT2	cg24009529	rs6457595	A	T	0.453	0.028	0.206	1.78E-57	-0.004	0.003	0.204	0.065	255.206	TRUE	7.25E-55
FVC	PPT2	cg24009529	rs6457598	T	C	-0.225	0.026	0.291	9.39E-18	0.021	0.003	8.57E-15	0.020	73.598	TRUE	7.45E-15
FVC	PPT2	cg24009529	rs71543427	A	C	0.691	0.078	0.024	5.58E-19	0.003	0.008	0.686	0.021	79.167	TRUE	1.56E-18
FVC	PPT2	cg24009529	rs77488547	C	T	0.680	0.095	0.017	6.45E-13	0.006	0.009	0.517	0.014	51.676	TRUE	1.48E-12
FVC	PPT2	cg24009529	rs805305	G	C	0.357	0.025	0.362	8.53E-48	-0.006	0.002	0.021	0.054	210.836	TRUE	4.35E-45
FVC	PPT2	cg24009529	rs9266216	C	T	0.323	0.024	0.408	1.14E-41	0.004	0.003	0.139	0.047	182.776	TRUE	8.15E-40
FVC	PPT2	cg24009529	rs9267817	A	G	-0.301	0.029	0.212	1.72E-25	0.001	0.003	0.821	0.029	108.828	TRUE	6.39E-25
FVC	PPT2	cg24009529	rs9469089	C	G	-0.225	0.033	0.144	1.53E-11	0.002	0.003	0.617	0.012	45.475	TRUE	2.93E-11
FVC	PPT2	cg24509300	rs3130283	A	C	-0.426	0.032	0.161	2.46E-41	0.031	0.003	3.90E-20	0.047	181.252	TRUE	2.37E-35
FVC	PPT2	cg25426302	rs3130283	A	C	0.353	0.032	0.161	1.18E-28	0.031	0.003	3.90E-20	0.032	123.264	TRUE	5.25E-24
FVC	PPT2	cg25426302	rs9267817	A	G	-0.190	0.029	0.212	5.73E-11	0.001	0.003	0.821	0.011	42.887	TRUE	9.04E-11
FVC	PPT2	cg25426302	rs9267857	G	A	-0.155	0.024	0.417	5.61E-11	0.002	0.002	0.466	0.011	42.930	TRUE	1.22E-10
FVC	PPT2	cg26169408	rs2243873	C	A	0.163	0.023	0.459	4.18E-12	0.008	0.002	3.59E-04	0.013	48.014	TRUE	6.48E-11
FVC	PPT2	cg26169408	rs3134947	T	C	0.340	0.027	0.237	1.35E-36	-0.011	0.003	1.35E-04	0.041	159.558	TRUE	8.52E-34
FVC	PPT2	cg26169408	rs805305	G	C	0.158	0.025	0.362	1.28E-10	-0.006	0.002	0.021	0.011	41.313	TRUE	7.37E-10
FVC	PPT2	cg27070869	rs3130283	A	C	-0.221	0.031	0.161	2.21E-12	0.031	0.003	3.90E-20	0.013	49.257	TRUE	1.16E-09
FVC	PPT2	cg27134827	rs114004994	C	G	-0.377	0.061	0.036	7.63E-10	0.005	0.006	0.414	0.010	37.833	TRUE	1.62E-09
FVC	PPT2	cg27134827	rs115884658	A	G	0.629	0.092	0.021	6.03E-12	0.017	0.009	0.052	0.013	47.295	TRUE	3.07E-11
FVC	PPT2	cg27134827	rs12660769	G	C	0.250	0.044	0.074	1.18E-08	0.008	0.004	0.069	0.009	32.496	TRUE	4.01E-08
FVC	PPT2	cg27134827	rs2243873	C	A	-0.159	0.024	0.459	3.00E-11	0.008	0.002	3.59E-04	0.012	44.153	TRUE	4.08E-10
FVC	PPT2	cg27134827	rs3130284	C	T	-0.299	0.027	0.236	9.69E-28	-0.011	0.003	9.01E-05	0.031	119.090	TRUE	1.78E-25
FVC	PPT2	cg27134827	rs6457646	A	G	0.150	0.023	0.447	1.63E-10	-0.005	0.002	0.039	0.011	40.845	TRUE	7.56E-10
FVC	PPT2	cg27134827	rs6914412	C	T	-0.223	0.040	0.094	1.87E-08	-0.001	0.004	0.777	0.008	31.611	TRUE	2.67E-08
FVC	PPT2	cg27134827	rs805305	G	C	-0.213	0.025	0.362	1.10E-17	-0.006	0.002	0.021	0.019	73.290	TRUE	1.39E-16
FVC	PPT2	cg27134827	rs9267817	A	G	0.735	0.028	0.212	9.15E-155	0.001	0.003	0.821	0.160	701.985	TRUE	2.77E-144
FVC	PPT2	cg27134827	rs9273501	A	T	0.180	0.024	0.352	8.19E-14	-0.012	0.003	1.42E-06	0.015	55.730	TRUE	3.60E-12
FVC	PPT2	cg27631107	rs9469089	C	G	-0.296	0.033	0.144	1.81E-19	0.002	0.003	0.617	0.022	81.398	TRUE	5.64E-19
FVC	PRKAA1	cg13345558	rs837101	T	C	0.221	0.025	0.282	4.10E-18	-0.006	0.003	0.019	0.020	75.230	TRUE	5.58E-17
FVC	PRKCA	cg01160079	rs77210355	A	G	0.359	0.050	0.057	1.01E-12	-0.001	0.005	0.913	0.014	50.805	TRUE	1.59E-12
FVC	PRKCA	cg01895374	rs57007285	A	C	-0.239	0.043	0.077	3.07E-08	-0.007	0.005	0.102	0.008	30.646	TRUE	8.94E-08
FVC	PRKCA	cg01895374	rs7220127	C	T	-0.196	0.024	0.420	1.62E-16	-0.006	0.002	0.010	0.018	67.980	TRUE	2.12E-15
FVC	PRKCA	cg01895374	rs72846612	C	T	-0.293	0.051	0.056	7.12E-09	0.001	0.005	0.800	0.009	33.483	TRUE	1.02E-08
FVC	PRKCA	cg01895374	rs80075063	T	C	-0.882	0.054	0.047	5.26E-59	-0.004	0.005	0.423	0.066	262.212	TRUE	1.28E-56
FVC	PRKCA	cg01895374	rs9902819	G	A	-0.326	0.052	0.058	4.65E-10	0.009	0.005	0.075	0.010	38.797	TRUE	1.76E-09
FVC	PRKCA	cg02110273	rs28733563	A	G	0.243	0.027	0.258	6.20E-19	0.002	0.003	0.555	0.021	78.962	TRUE	1.98E-18
FVC	PRKCA	cg02110273	rs7220911	A	G	0.338	0.023	0.441	1.08E-47	0.001	0.002	0.670	0.054	210.361	TRUE	3.77E-46
FVC	PRKCA	cg02110273	rs9904322	G	C	1.004	0.039	0.092	2.25E-143	-0.001	0.004	0.759	0.149	649.631	TRUE	3.89E-134
FVC	PRKCA	cg04124740	rs79848307	T	C	0.740	0.049	0.057	1.66E-51	0.002	0.005	0.724	0.058	227.831	TRUE	8.22E-50

FVC	PRKCA	cg04124740	rs8075066	A	G	-0.177	0.026	0.281	5.05E-12	-0.003	0.003	0.191	0.013	47.640	TRUE	1.70E-11
FVC	PRKCA	cg04658038	rs9635753	T	G	-0.132	0.024	0.479	2.32E-08	0.010	0.002	1.63E-05	0.008	31.189	TRUE	2.69E-07
FVC	PRKCA	cg04733951	rs11656279	C	T	0.402	0.053	0.050	2.51E-14	0.005	0.005	0.366	0.015	58.054	TRUE	7.52E-14
FVC	PRKCA	cg04733951	rs72845904	T	C	-0.334	0.043	0.079	8.24E-15	-0.001	0.004	0.904	0.016	60.244	TRUE	1.44E-14
FVC	PRKCA	cg04955246	rs9635753	T	G	-0.140	0.023	0.479	1.93E-09	0.010	0.002	1.63E-05	0.010	36.022	TRUE	2.74E-08
FVC	PRKCA	cg06940168	rs11651796	A	G	-1.184	0.031	0.124	<1E-200	-0.004	0.004	0.316	0.285	1473.092	TRUE	7.87E-283
FVC	PRKCA	cg06940168	rs148334661	T	G	-1.048	0.172	0.010	1.15E-09	-0.012	0.010	0.256	0.010	37.039	TRUE	2.87E-09
FVC	PRKCA	cg06940168	rs4365321	C	T	-0.345	0.033	0.138	4.74E-25	-0.004	0.003	0.205	0.028	106.818	TRUE	4.67E-24
FVC	PRKCA	cg06940168	rs4790911	T	C	0.573	0.043	0.078	6.04E-40	-0.001	0.004	0.758	0.045	174.889	TRUE	8.24E-39
FVC	PRKCA	cg06940168	rs4791140	T	C	-0.191	0.035	0.129	3.06E-08	0.001	0.004	0.838	0.008	30.655	TRUE	4.16E-08
FVC	PRKCA	cg06940168	rs67454054	T	C	-0.159	0.027	0.259	2.16E-09	0.004	0.003	0.189	0.010	35.804	TRUE	5.79E-09
FVC	PRKCA	cg06940168	rs7212476	A	G	-0.666	0.078	0.021	1.82E-17	0.011	0.010	0.242	0.019	72.288	TRUE	8.56E-17
FVC	PRKCA	cg06940168	rs7222499	C	T	0.235	0.032	0.160	1.18E-13	-0.003	0.003	0.373	0.015	55.015	TRUE	3.41E-13
FVC	PRKCA	cg06940168	rs9891416	C	A	-0.200	0.025	0.335	3.91E-16	0.002	0.003	0.353	0.018	66.244	TRUE	1.37E-15
FVC	PRKCA	cg09645572	rs72838297	G	C	-0.252	0.034	0.136	6.00E-14	-0.003	0.003	0.415	0.015	56.340	TRUE	1.63E-13
FVC	PRKCA	cg11758458	rs17686174	A	G	0.153	0.028	0.230	4.01E-08	-0.003	0.003	0.291	0.008	30.128	TRUE	8.65E-08
FVC	PRKCA	cg11803392	rs9910301	C	A	0.168	0.024	0.364	2.47E-12	-0.003	0.003	0.220	0.013	49.045	TRUE	7.92E-12
FVC	PRKCA	cg12124094	rs34251715	G	A	0.144	0.025	0.313	8.64E-09	0.001	0.003	0.575	0.009	33.107	TRUE	1.47E-08
FVC	PRKCA	cg12124094	rs3859214	T	G	-0.148	0.024	0.409	4.34E-10	-0.002	0.002	0.438	0.010	38.932	TRUE	9.16E-10
FVC	PRKCA	cg12124094	rs7212887	A	G	0.194	0.034	0.143	7.40E-09	0.001	0.003	0.675	0.009	33.408	TRUE	1.17E-08
FVC	PRKCA	cg12124094	rs7222613	A	G	0.327	0.042	0.090	3.88E-15	-0.002	0.004	0.631	0.016	61.727	TRUE	9.03E-15
FVC	PRKCA	cg12124094	rs73333222	A	G	0.225	0.034	0.137	4.90E-11	0.001	0.004	0.883	0.012	43.192	TRUE	7.25E-11
FVC	PRKCA	cg12124094	rs78826186	C	T	0.452	0.050	0.064	8.73E-20	0.000	0.005	0.951	0.022	82.833	TRUE	1.90E-19
FVC	PRKCA	cg12124094	rs80163898	T	G	1.435	0.061	0.043	2.85E-124	-0.005	0.007	0.454	0.132	561.853	TRUE	1.18E-116
FVC	PRKCA	cg12124094	rs8075066	A	G	0.257	0.026	0.281	1.97E-23	-0.003	0.003	0.191	0.026	99.435	TRUE	1.75E-22
FVC	PRKCA	cg12198934	rs12051710	T	C	-0.476	0.034	0.128	2.93E-43	-0.004	0.004	0.247	0.049	190.061	TRUE	1.62E-41
FVC	PRKCA	cg12198934	rs148334661	T	G	-1.013	0.172	0.010	4.11E-09	-0.012	0.010	0.256	0.009	34.551	TRUE	9.89E-09
FVC	PRKCA	cg12467435	rs28617608	A	C	-0.144	0.024	0.408	1.61E-09	0.001	0.002	0.591	0.010	36.374	TRUE	2.83E-09
FVC	PRKCA	cg12467435	rs4791057	C	G	-0.327	0.059	0.043	2.65E-08	0.007	0.006	0.261	0.008	30.930	TRUE	5.94E-08
FVC	PRKCA	cg12467435	rs9635753	T	G	-0.199	0.024	0.479	2.25E-17	0.010	0.002	1.63E-05	0.019	71.869	TRUE	1.21E-15
FVC	PRKCA	cg12743970	rs1005651	C	A	0.178	0.025	0.335	4.83E-13	0.004	0.003	0.092	0.014	52.244	TRUE	2.34E-12
FVC	PRKCA	cg12743970	rs144509105	A	G	-0.723	0.122	0.019	3.55E-09	0.008	0.010	0.395	0.009	34.836	TRUE	7.32E-09
FVC	PRKCA	cg12743970	rs2361486	T	C	-0.586	0.031	0.158	2.87E-81	-0.003	0.003	0.371	0.090	364.355	TRUE	2.55E-77
FVC	PRKCA	cg12743970	rs72848633	T	C	-0.142	0.026	0.296	2.93E-08	-0.003	0.003	0.328	0.008	30.738	TRUE	6.01E-08
FVC	PRKCA	cg12743970	rs9972974	T	C	-0.351	0.055	0.046	1.25E-10	0.002	0.005	0.778	0.011	41.358	TRUE	1.99E-10
FVC	PRKCA	cg14121185	rs10491204	C	T	-0.277	0.031	0.166	1.18E-18	0.006	0.003	0.060	0.021	77.682	TRUE	1.11E-17
FVC	PRKCA	cg14121185	rs11656279	C	T	-0.462	0.054	0.050	7.13E-18	0.005	0.005	0.366	0.020	74.140	TRUE	2.76E-17
FVC	PRKCA	cg14121185	rs16959791	T	A	-0.279	0.041	0.089	8.14E-12	-0.007	0.004	0.082	0.012	46.707	TRUE	3.60E-11
FVC	PRKCA	cg14121185	rs4791058	A	C	-0.457	0.024	0.359	8.71E-82	0.005	0.003	0.052	0.090	366.734	TRUE	5.18E-77
FVC	PRKCA	cg14121185	rs72848633	T	C	0.159	0.026	0.296	7.06E-10	-0.003	0.003	0.328	0.010	37.983	TRUE	1.63E-09
FVC	PRKCA	cg14121185	rs75193114	T	C	0.434	0.077	0.020	1.81E-08	0.000	0.008	0.965	0.008	31.677	TRUE	2.27E-08
FVC	PRKCA	cg14121185	rs79525201	G	A	0.725	0.031	0.149	1.59E-117	-0.003	0.003	0.321	0.126	530.863	TRUE	2.36E-110

FVC	PRKCA	cg14121185	rs973753	C	T	0.233	0.032	0.157	6.74E-13	0.001	0.003	0.871	0.014	51.592	TRUE	1.10E-12
FVC	PRKCA	cg14121185	rs9895770	T	G	-0.186	0.027	0.236	1.22E-11	-0.003	0.003	0.213	0.012	45.912	TRUE	3.75E-11
FVC	PRKCA	cg14648237	rs740930	T	C	0.825	0.042	0.080	8.81E-85	-0.001	0.004	0.725	0.093	380.484	TRUE	5.14E-81
FVC	PRKCA	cg15519474	rs1113843	C	T	-0.149	0.023	0.452	1.97E-10	0.006	0.002	0.014	0.011	40.475	TRUE	1.13E-09
FVC	PRKCA	cg15519474	rs12450534	A	G	0.276	0.027	0.243	3.37E-24	0.004	0.003	0.114	0.027	102.935	TRUE	4.12E-23
FVC	PRKCA	cg15519474	rs142395143	T	C	-0.207	0.029	0.219	5.04E-13	-0.005	0.003	0.072	0.014	52.161	TRUE	2.58E-12
FVC	PRKCA	cg15519474	rs185019895	A	G	0.416	0.061	0.044	8.84E-12	0.002	0.006	0.769	0.012	46.545	TRUE	1.49E-11
FVC	PRKCA	cg15519474	rs35814799	A	G	0.429	0.026	0.245	5.00E-59	0.002	0.003	0.399	0.066	262.313	TRUE	1.33E-56
FVC	PRKCA	cg15519474	rs35974774	G	T	0.357	0.054	0.048	4.99E-11	0.005	0.005	0.376	0.012	43.157	TRUE	1.19E-10
FVC	PRKCA	cg15519474	rs6504406	C	T	0.228	0.027	0.228	6.28E-17	-0.008	0.003	0.007	0.019	69.848	TRUE	9.30E-16
FVC	PRKCA	cg15519474	rs8178823	C	A	0.219	0.040	0.094	3.40E-08	-0.010	0.004	0.013	0.008	30.447	TRUE	1.55E-07
FVC	PRKCA	cg15519474	rs9909243	A	T	-0.210	0.027	0.236	2.10E-14	0.011	0.003	6.72E-05	0.016	58.407	TRUE	5.72E-13
FVC	PRKCA	cg17069533	rs9635753	T	G	-0.138	0.024	0.479	4.89E-09	0.010	0.002	1.63E-05	0.009	34.213	TRUE	6.45E-08
FVC	PRKCA	cg17202839	rs72848633	T	C	0.240	0.026	0.296	4.32E-21	-0.003	0.003	0.328	0.023	88.775	TRUE	2.28E-20
FVC	PRKCA	cg17202839	rs77748014	A	G	-0.352	0.064	0.063	4.50E-08	-0.005	0.005	0.316	0.008	29.903	TRUE	9.32E-08
FVC	PRKCA	cg17799599	rs16960228	A	G	-1.003	0.053	0.050	8.35E-80	-0.007	0.005	0.195	0.088	357.640	TRUE	1.15E-75
FVC	PRKCA	cg17799599	rs67379314	A	G	-0.203	0.030	0.184	2.04E-11	-0.002	0.003	0.487	0.012	44.903	TRUE	4.43E-11
FVC	PRKCA	cg17799599	rs8082274	C	G	-0.154	0.025	0.334	5.24E-10	-0.004	0.003	0.141	0.010	38.565	TRUE	1.66E-09
FVC	PRKCA	cg17846122	rs2138004	A	G	0.245	0.032	0.150	2.95E-14	-0.004	0.003	0.242	0.015	57.734	TRUE	1.06E-13
FVC	PRKCA	cg17846122	rs8066294	C	T	-0.197	0.028	0.218	1.55E-12	-0.008	0.003	0.004	0.013	49.952	TRUE	1.53E-11
FVC	PRKCA	cg18950779	rs1010545	C	T	0.661	0.023	0.364	4.03E-177	-0.004	0.003	0.156	0.179	804.750	TRUE	1.67E-162
FVC	PRKCA	cg18950779	rs117353888	G	A	0.365	0.049	0.056	1.45E-13	0.002	0.005	0.720	0.015	54.608	TRUE	2.83E-13
FVC	PRKCA	cg18950779	rs146981159	A	G	0.450	0.046	0.072	6.98E-23	-0.004	0.005	0.421	0.026	96.935	TRUE	3.68E-22
FVC	PRKCA	cg18950779	rs3896085	T	C	-0.167	0.026	0.281	1.91E-10	-0.002	0.003	0.561	0.011	40.538	TRUE	3.61E-10
FVC	PRKCA	cg18950779	rs62071757	G	A	0.317	0.041	0.089	6.88E-15	0.002	0.004	0.673	0.016	60.601	TRUE	1.51E-14
FVC	PRKCA	cg18950779	rs67379314	A	G	0.290	0.030	0.184	1.13E-21	-0.002	0.003	0.487	0.024	91.434	TRUE	4.91E-21
FVC	PRKCA	cg18950779	rs67509148	A	T	-0.235	0.040	0.189	3.23E-09	0.000	0.003	0.950	0.009	35.021	TRUE	4.25E-09
FVC	PRKCA	cg18950779	rs73996407	T	C	0.300	0.054	0.051	2.45E-08	-0.004	0.006	0.522	0.008	31.082	TRUE	4.25E-08
FVC	PRKCA	cg18950779	rs960611	T	C	-0.342	0.023	0.499	1.91E-49	-0.001	0.002	0.628	0.056	218.392	TRUE	8.61E-48
FVC	PRKCA	cg18950779	rs9892651	C	T	0.180	0.024	0.423	5.49E-14	-0.010	0.002	3.65E-05	0.015	56.517	TRUE	1.57E-12
FVC	PRKCA	cg18950779	rs9899742	T	C	0.166	0.023	0.497	1.39E-12	-0.005	0.002	0.043	0.013	50.177	TRUE	7.76E-12
FVC	PRKCA	cg20152382	rs35105653	A	G	0.180	0.024	0.398	4.71E-14	-0.009	0.002	1.93E-04	0.015	56.818	TRUE	1.05E-12
FVC	PRKCA	cg22632947	rs67379314	A	G	0.190	0.030	0.184	4.25E-10	-0.002	0.003	0.487	0.010	38.973	TRUE	8.49E-10
FVC	PRKCA	cg22632947	rs8074995	A	G	-0.205	0.034	0.139	1.04E-09	0.002	0.003	0.577	0.010	37.221	TRUE	1.86E-09
FVC	PRKCA	cg22632947	rs9915231	G	A	1.167	0.052	0.051	1.68E-109	-0.007	0.005	0.201	0.118	494.005	TRUE	7.48E-103
FVC	PRKCA	cg24171047	rs76819749	C	A	-0.754	0.061	0.037	1.62E-35	-0.005	0.006	0.412	0.040	154.633	TRUE	2.66E-34
FVC	PRKCA	cg25134567	rs35499077	C	T	-0.167	0.024	0.384	3.82E-12	0.002	0.002	0.536	0.013	48.186	TRUE	8.25E-12
FVC	PRKCA	cg25134567	rs8072195	T	C	-0.225	0.040	0.092	2.59E-08	-0.002	0.004	0.633	0.008	30.979	TRUE	4.08E-08
FVC	PRKCA	cg25228562	rs28733563	A	G	-0.159	0.027	0.258	4.28E-09	0.002	0.003	0.555	0.009	34.475	TRUE	7.47E-09
FVC	PRKCA	cg25228562	rs3803822	C	T	-0.222	0.023	0.395	3.12E-21	0.001	0.002	0.634	0.024	89.416	TRUE	1.06E-20
FVC	PRKCA	cg25228562	rs4630584	T	A	0.305	0.024	0.370	1.86E-37	0.001	0.003	0.636	0.042	163.496	TRUE	2.45E-36
FVC	PRKCA	cg25649039	rs4556826	G	A	0.132	0.024	0.338	4.73E-08	0.003	0.003	0.230	0.008	29.810	TRUE	1.08E-07

FVC	PRKCA	cg25909396	rs11658025	G	A	0.425	0.027	0.243	3.70E-57	0.002	0.003	0.497	0.064	253.744	TRUE	6.14E-55
FVC	PRKCA	cg25909396	rs116873022	G	A	0.453	0.059	0.045	1.88E-14	0.001	0.006	0.928	0.016	58.623	TRUE	3.15E-14
FVC	PRKCA	cg25909396	rs142395143	T	C	-0.167	0.029	0.219	6.83E-09	-0.005	0.003	0.072	0.009	33.563	TRUE	2.34E-08
FVC	PRKCA	cg25909396	rs4791049	T	C	0.260	0.043	0.079	1.24E-09	0.006	0.004	0.160	0.010	36.879	TRUE	3.67E-09
FVC	PRKCA	cg25909396	rs62072561	A	G	-0.202	0.028	0.237	2.52E-13	0.010	0.003	2.57E-04	0.014	53.523	TRUE	4.56E-12
FVC	PRKCA	cg25909396	rs7216080	G	A	-0.132	0.023	0.456	1.90E-08	-0.001	0.003	0.641	0.008	31.572	TRUE	2.98E-08
FVC	PRKCA	cg26389955	rs75943832	C	T	-0.508	0.045	0.072	1.37E-29	-0.004	0.005	0.380	0.033	127.540	TRUE	1.35E-28
FVC	PRKCA	cg26450228	rs13341435	A	G	0.486	0.053	0.048	2.29E-20	0.014	0.005	0.011	0.023	85.478	TRUE	4.43E-19
FVC	PRKCA	cg26450228	rs16959062	G	A	0.203	0.031	0.162	9.16E-11	0.003	0.003	0.359	0.011	41.969	TRUE	2.17E-10
FVC	PRKCA	cg26450228	rs16959526	A	G	0.368	0.032	0.148	4.00E-30	-0.004	0.003	0.283	0.034	129.976	TRUE	5.11E-29
FVC	PRKCA	cg26450228	rs17634425	G	A	0.329	0.044	0.075	7.71E-14	-0.005	0.004	0.272	0.015	55.847	TRUE	2.58E-13
FVC	PRKCA	cg26450228	rs1833349	A	G	0.135	0.023	0.433	1.01E-08	0.004	0.002	0.137	0.009	32.803	TRUE	2.82E-08
FVC	PRKCA	cg26450228	rs7210846	A	G	0.147	0.024	0.480	4.87E-10	0.010	0.002	1.29E-05	0.010	38.708	TRUE	7.89E-09
FVC	PRKCA	cg26450228	rs7220836	C	T	0.167	0.028	0.234	1.41E-09	0.000	0.003	0.911	0.010	36.633	TRUE	1.93E-09
FVC	PRKCA	cg26450228	rs8066294	C	T	-0.260	0.028	0.218	1.42E-20	-0.008	0.003	0.004	0.023	86.416	TRUE	3.80E-19
FVC	PRKCA	cg26450228	rs9896134	C	T	-0.235	0.027	0.260	3.07E-18	-0.004	0.003	0.113	0.020	75.806	TRUE	2.11E-17
FVC	PRKCA	cg26726141	rs117790450	T	C	0.462	0.057	0.038	9.87E-16	0.017	0.006	0.003	0.017	64.422	TRUE	1.61E-14
FVC	PRKCA	cg26726141	rs16959062	G	A	0.182	0.031	0.162	5.91E-09	0.003	0.003	0.359	0.009	33.846	TRUE	1.24E-08
FVC	PRKCA	cg26726141	rs17686425	A	G	-0.261	0.026	0.273	2.82E-23	0.005	0.003	0.076	0.026	98.730	TRUE	3.82E-22
FVC	PRKCA	cg26726141	rs17688050	G	A	0.229	0.028	0.213	5.03E-16	-0.002	0.003	0.496	0.017	65.750	TRUE	1.44E-15
FVC	PRKCA	cg26726141	rs7215107	G	A	-0.134	0.024	0.476	1.43E-08	-0.010	0.002	1.27E-05	0.009	32.135	TRUE	1.80E-07
FVC	PRKCA	cg26726141	rs8066294	C	T	-0.229	0.028	0.218	2.49E-16	-0.008	0.003	0.004	0.018	67.132	TRUE	3.96E-15
FVC	PRKCA	cg26726141	rs956952	A	C	0.391	0.032	0.150	4.92E-34	-0.004	0.003	0.266	0.038	147.847	TRUE	9.52E-33
FVC	PRKCA	cg26726141	rs973753	C	T	0.227	0.032	0.157	2.29E-12	0.001	0.003	0.871	0.013	49.188	TRUE	3.65E-12
FVC	PRKCA	cg27019712	rs10491204	C	T	0.186	0.031	0.166	3.33E-09	0.006	0.003	0.060	0.009	34.962	TRUE	1.22E-08
FVC	PRKCA	cg27019712	rs2227857	A	G	-0.207	0.024	0.363	1.73E-17	-0.004	0.003	0.132	0.019	72.396	TRUE	1.05E-16
FVC	PRKCA	cg27019712	rs34251715	G	A	0.181	0.025	0.313	2.87E-13	0.001	0.003	0.575	0.014	53.265	TRUE	6.34E-13
FVC	PRKCA	cg27019712	rs57007285	A	C	-0.317	0.043	0.077	1.86E-13	-0.007	0.005	0.102	0.014	54.119	TRUE	8.75E-13
FVC	PRKCA	cg27019712	rs7210247	T	C	-0.302	0.043	0.082	1.43E-12	-0.003	0.004	0.480	0.013	50.120	TRUE	3.33E-12
FVC	PRKCA	cg27019712	rs73996407	T	C	-0.538	0.053	0.051	5.71E-24	-0.004	0.006	0.522	0.027	101.890	TRUE	2.79E-23
FVC	PRKCA	cg27019712	rs79114493	T	A	-0.367	0.053	0.050	6.23E-12	0.030	0.052	0.564	0.013	47.230	TRUE	1.29E-11
FVC	PRKCA	cg27019712	rs9895850	T	C	-0.378	0.055	0.047	7.71E-12	-0.005	0.005	0.386	0.012	46.812	TRUE	1.92E-11
FVC	PRKCA	cg27019712	rs9896134	C	T	-0.800	0.024	0.260	2.07E-251	-0.004	0.003	0.113	0.237	1146.327	TRUE	7.01E-225
FVC	PRKD1	cg10077239	rs10136137	A	G	0.143	0.024	0.414	1.67E-09	0.001	0.002	0.617	0.010	36.308	TRUE	2.86E-09
FVC	PRKD1	cg10077239	rs11626226	C	T	0.323	0.056	0.047	7.15E-09	-0.003	0.006	0.640	0.009	33.474	TRUE	1.17E-08
FVC	PRKD1	cg13732130	rs72675586	A	G	-0.727	0.121	0.014	1.74E-09	-0.011	0.010	0.261	0.010	36.226	TRUE	4.28E-09
FVC	PRKD1	cg13732130	rs73243906	G	A	-0.359	0.055	0.050	4.95E-11	-0.004	0.006	0.455	0.012	43.174	TRUE	1.08E-10
FVC	PRKD1	cg13732130	rs74040636	T	C	-1.270	0.061	0.037	1.57E-97	0.009	0.006	0.143	0.106	439.018	TRUE	8.46E-92
FVC	PRKD1	cg13732130	rs75043161	G	A	-0.626	0.081	0.020	1.53E-14	0.011	0.008	0.174	0.016	59.023	TRUE	6.55E-14
FVC	PRKD1	cg15490801	rs138940224	C	A	0.413	0.059	0.048	1.81E-12	-0.012	0.006	0.038	0.013	49.648	TRUE	1.05E-11
FVC	PRKD1	cg15490801	rs2093471	A	G	-0.152	0.025	0.334	8.12E-10	-0.006	0.003	0.021	0.010	37.712	TRUE	4.02E-09
FVC	PRRT1	cg00403498	rs180713844	A	G	-0.281	0.038	0.324	1.78E-13	0.013	0.003	1.52E-04	0.014	54.207	TRUE	3.72E-12

FVC	PRRT1	cg00403498	rs3130283	A	C	-0.449	0.031	0.161	3.30E-46	0.031	0.003	3.90E-20	0.052	203.564	TRUE	1.02E-39
FVC	PRRT1	cg00403498	rs3131627	A	G	-0.140	0.024	0.404	5.10E-09	0.014	0.002	2.17E-09	0.009	34.134	TRUE	1.68E-07
FVC	PRRT1	cg00403498	rs3819306	G	A	0.133	0.024	0.382	2.74E-08	0.008	0.003	7.70E-04	0.008	30.870	TRUE	1.95E-07
FVC	PRRT1	cg00403498	rs707928	G	A	0.143	0.025	0.340	1.66E-08	-0.007	0.003	0.006	0.009	31.842	TRUE	8.90E-08
FVC	PRRT1	cg00403498	rs9263773	T	C	-0.132	0.024	0.365	4.47E-08	0.013	0.002	3.10E-08	0.008	29.920	TRUE	9.28E-07
FVC	PRRT1	cg00403498	rs9264626	T	C	-0.165	0.025	0.364	2.25E-11	0.001	0.003	0.590	0.012	44.712	TRUE	4.34E-11
FVC	PRRT1	cg00403498	rs9267857	G	A	0.149	0.024	0.417	2.44E-10	0.002	0.002	0.466	0.011	40.053	TRUE	5.11E-10
FVC	PRRT1	cg02429905	rs114004994	C	G	0.426	0.061	0.036	2.41E-12	0.005	0.006	0.414	0.013	49.094	TRUE	6.03E-12
FVC	PRRT1	cg17161421	rs114004994	C	G	0.496	0.061	0.036	4.42E-16	0.005	0.006	0.414	0.018	66.003	TRUE	1.43E-15
FVC	PRRT1	cg17161421	rs9267817	A	G	-0.214	0.029	0.212	1.45E-13	0.001	0.003	0.821	0.015	54.612	TRUE	2.59E-13
FVC	PRRT1	cg17161421	rs9267860	A	G	0.171	0.031	0.184	3.84E-08	-0.001	0.003	0.698	0.008	30.211	TRUE	5.76E-08
FVC	PRRT1	cg20914572	rs114004994	C	G	0.469	0.061	0.036	1.82E-14	0.005	0.006	0.414	0.016	58.682	TRUE	5.27E-14
FVC	PRRT1	cg20914572	rs114258010	G	A	0.297	0.051	0.082	5.38E-09	0.005	0.005	0.256	0.009	34.027	TRUE	1.29E-08
FVC	PRRT1	cg20914572	rs1265945	G	A	-0.306	0.024	0.373	6.94E-37	0.004	0.002	0.142	0.042	160.886	TRUE	2.79E-35
FVC	PRRT1	cg20914572	rs1269839	T	G	0.280	0.050	0.055	2.14E-08	0.001	0.005	0.888	0.008	31.348	TRUE	2.82E-08
FVC	PRRT1	cg20914572	rs146305655	A	G	0.427	0.067	0.038	1.48E-10	-0.007	0.007	0.290	0.011	41.038	TRUE	3.79E-10
FVC	PRRT1	cg20914572	rs2308655	G	C	0.135	0.024	0.370	2.49E-08	0.011	0.003	2.04E-05	0.008	31.056	TRUE	2.80E-07
FVC	PRRT1	cg20914572	rs2516469	G	C	-0.261	0.033	0.149	2.05E-15	0.022	0.003	2.62E-11	0.017	62.983	TRUE	4.54E-13
FVC	PRRT1	cg20914572	rs3134605	C	T	-0.159	0.028	0.223	1.61E-08	-0.010	0.003	3.86E-04	0.009	31.903	TRUE	1.29E-07
FVC	PRRT1	cg20914572	rs522254	G	A	0.184	0.029	0.207	1.13E-10	-0.014	0.003	1.61E-06	0.011	41.567	TRUE	2.85E-09
FVC	PRRT1	cg20914572	rs9469051	C	G	0.195	0.035	0.132	1.48E-08	0.006	0.003	0.089	0.009	32.057	TRUE	4.59E-08
FVC	PRRT1	cg21037008	rs114004994	C	G	0.515	0.061	0.036	2.61E-17	0.005	0.006	0.414	0.019	71.577	TRUE	9.24E-17
FVC	PRRT1	cg21037008	rs9469051	C	G	0.199	0.034	0.132	6.65E-09	0.006	0.003	0.089	0.009	33.617	TRUE	2.13E-08
FVC	PTGDR	cg02191312	rs11626204	A	G	0.228	0.035	0.123	1.35E-10	0.005	0.004	0.205	0.011	41.207	TRUE	3.98E-10
FVC	PTGDR	cg09516965	rs11157906	G	A	0.223	0.035	0.127	1.26E-10	0.003	0.004	0.370	0.011	41.352	TRUE	2.96E-10
FVC	PTGDR	cg09516965	rs4901236	A	G	0.233	0.033	0.139	2.42E-12	0.001	0.003	0.788	0.013	49.087	TRUE	4.16E-12
FVC	PTGDR	cg10837806	rs708487	G	A	0.236	0.028	0.221	1.12E-16	-0.001	0.003	0.739	0.018	68.715	TRUE	2.52E-16
FVC	PTGDR	cg10837806	rs75832675	A	G	-0.167	0.027	0.263	4.39E-10	-0.004	0.003	0.152	0.010	38.910	TRUE	1.38E-09
FVC	PTGDR	cg13561855	rs112726355	G	A	0.257	0.040	0.086	1.04E-10	0.010	0.004	0.019	0.011	41.714	TRUE	5.85E-10
FVC	PTGDR	cg13561855	rs8005977	T	C	-0.155	0.024	0.398	1.27E-10	-0.001	0.002	0.811	0.011	41.333	TRUE	1.98E-10
FVC	PTGDR	cg17929687	rs10137242	T	C	0.356	0.034	0.137	2.51E-26	0.000	0.003	0.965	0.030	112.637	TRUE	8.25E-26
FVC	PTGDR	cg17929687	rs11626204	A	G	0.387	0.036	0.123	1.29E-27	0.005	0.004	0.205	0.031	118.520	TRUE	1.64E-26
FVC	PTGDR	cg17929687	rs142859682	A	G	0.525	0.082	0.020	1.71E-10	0.000	0.008	0.970	0.011	40.756	TRUE	2.32E-10
FVC	PTGDR	cg17929687	rs74504207	A	G	0.468	0.083	0.023	1.51E-08	-0.002	0.008	0.851	0.009	32.027	TRUE	2.06E-08
FVC	PTGDR	cg18242103	rs10129444	A	G	0.401	0.045	0.071	6.38E-19	0.002	0.005	0.628	0.021	78.905	TRUE	1.88E-18
FVC	PTGDR	cg18242103	rs11157907	C	T	0.333	0.035	0.125	5.33E-21	0.003	0.004	0.345	0.023	88.357	TRUE	2.75E-20
FVC	PTGDR	cg18242103	rs8022207	A	G	0.210	0.026	0.276	2.35E-15	0.001	0.003	0.863	0.017	62.715	TRUE	4.43E-15
FVC	PTGDR	cg18369034	rs10136495	G	A	0.291	0.025	0.303	8.56E-31	0.003	0.003	0.337	0.035	133.037	TRUE	1.05E-29
FVC	PTGDR	cg18369034	rs11623990	A	C	-0.745	0.032	0.155	1.51E-123	0.003	0.003	0.316	0.131	558.528	TRUE	9.07E-116
FVC	PTGDR	cg18369034	rs11626761	G	A	-0.200	0.029	0.212	3.33E-12	0.003	0.003	0.334	0.013	48.459	TRUE	9.05E-12
FVC	PTGDR	cg18369034	rs12588905	C	T	-0.134	0.024	0.498	2.15E-08	-0.001	0.002	0.649	0.008	31.339	TRUE	3.39E-08
FVC	PTGDR	cg18369034	rs1495788	G	T	-0.341	0.023	0.483	3.73E-48	0.002	0.002	0.377	0.054	212.478	TRUE	2.72E-46

FVC	PTGDR	cg18369034	rs2073625	T	C	0.185	0.027	0.259	3.24E-12	0.002	0.003	0.425	0.013	48.509	TRUE	7.94E-12
FVC	PTGDR	cg18369034	rs28564141	A	G	-0.283	0.045	0.074	2.48E-10	0.003	0.005	0.468	0.011	40.022	TRUE	5.09E-10
FVC	PTGDR	cg18369034	rs76760921	A	G	0.397	0.054	0.046	1.57E-13	0.006	0.006	0.296	0.015	54.453	TRUE	4.98E-13
FVC	PTGDR	cg18369034	rs78457668	A	T	-0.263	0.039	0.091	2.58E-11	0.002	0.004	0.629	0.012	44.448	TRUE	4.80E-11
FVC	PTGDR	cg19716643	rs10137374	C	T	0.163	0.026	0.276	8.16E-10	0.001	0.003	0.652	0.010	37.701	TRUE	1.39E-09
FVC	PTGDR	cg19716643	rs2749870	G	A	0.179	0.024	0.454	5.52E-14	0.001	0.002	0.540	0.015	56.503	TRUE	1.32E-13
FVC	PTGDR	cg19716643	rs708486	G	A	-0.142	0.024	0.432	1.71E-09	0.005	0.002	0.046	0.010	36.254	TRUE	6.81E-09
FVC	PTGDR	cg23022053	rs10146847	G	T	-1.211	0.017	0.280	<1E-200	-0.003	0.003	0.259	0.580	5097.937	TRUE	<1E-200
FVC	PTGDR	cg23022053	rs111579609	A	G	-0.472	0.072	0.022	6.96E-11	0.016	0.007	0.034	0.011	42.506	TRUE	3.53E-10
FVC	PTGDR	cg23022053	rs118075982	G	A	-0.582	0.084	0.020	3.54E-12	0.005	0.009	0.533	0.013	48.339	TRUE	7.66E-12
FVC	PTGDR	cg23022053	rs12884113	C	A	0.470	0.083	0.022	1.39E-08	0.006	0.009	0.540	0.009	32.186	TRUE	2.41E-08
FVC	PTGDR	cg23022053	rs1353411	A	G	-0.203	0.031	0.174	3.24E-11	0.002	0.003	0.448	0.012	44.005	TRUE	7.23E-11
FVC	PTGDR	cg23022053	rs1390375	G	T	0.362	0.027	0.230	1.22E-39	0.008	0.003	0.006	0.045	173.495	TRUE	3.28E-37
FVC	PTGDR	cg23022053	rs1692041	T	C	-0.145	0.025	0.312	1.31E-08	0.000	0.003	0.931	0.009	32.303	TRUE	1.69E-08
FVC	PTGDR	cg23022053	rs1776503	T	C	-0.283	0.024	0.386	1.52E-32	-0.001	0.003	0.798	0.037	141.042	TRUE	9.69E-32
FVC	PTGDR	cg23022053	rs17831567	A	G	-0.855	0.060	0.039	1.19E-45	-0.004	0.006	0.514	0.052	201.005	TRUE	4.61E-44
FVC	PTGDR	cg23022053	rs34968560	C	T	-0.246	0.039	0.102	2.30E-10	0.001	0.004	0.754	0.011	40.172	TRUE	3.69E-10
FVC	PTGDR	cg23022053	rs36025743	G	A	0.225	0.039	0.097	1.22E-08	0.002	0.004	0.616	0.009	32.441	TRUE	1.99E-08
FVC	PTGDR	cg23022053	rs62003489	T	G	-0.129	0.024	0.500	4.85E-08	-0.002	0.002	0.345	0.008	29.759	TRUE	9.79E-08
FVC	PTGDR	cg23022053	rs62005715	T	C	0.345	0.047	0.066	2.54E-13	-0.008	0.005	0.065	0.014	53.503	TRUE	1.36E-12
FVC	PTGDR	cg23022053	rs7145901	T	C	0.379	0.025	0.306	2.07E-51	0.003	0.003	0.334	0.058	227.394	TRUE	2.40E-49
FVC	PTGDR	cg23022053	rs76073421	G	C	-0.784	0.081	0.020	6.28E-22	0.000	0.008	0.983	0.024	92.587	TRUE	1.50E-21
FVC	PTGDR	cg23022053	rs76495438	T	C	-0.719	0.089	0.019	6.87E-16	-0.001	0.009	0.872	0.017	65.136	TRUE	1.30E-15
FVC	PTGDR	cg23022053	rs77948181	G	A	-0.608	0.056	0.048	4.39E-27	-0.003	0.005	0.576	0.030	116.097	TRUE	2.53E-26
FVC	PTGDR	cg23022053	rs79595478	C	T	-0.298	0.044	0.080	1.24E-11	0.001	0.004	0.754	0.012	45.887	TRUE	2.10E-11
FVC	PTGDR	cg23022053	rs8009354	A	G	-0.161	0.026	0.295	4.75E-10	0.000	0.003	0.996	0.010	38.756	TRUE	6.20E-10
FVC	PTGDR	cg23022053	rs802964	G	A	-0.205	0.028	0.226	9.00E-14	0.002	0.003	0.400	0.015	55.544	TRUE	2.47E-13
FVC	PTGDR	cg23022053	rs803020	T	C	0.353	0.056	0.055	2.04E-10	0.006	0.005	0.239	0.011	40.403	TRUE	5.58E-10
FVC	PTGDR	cg24089118	rs10136844	G	T	0.304	0.030	0.181	1.32E-23	0.000	0.003	0.902	0.026	100.234	TRUE	3.86E-23
FVC	PTGDR	cg24089118	rs11157906	G	A	0.311	0.035	0.127	1.05E-18	0.003	0.004	0.370	0.021	77.915	TRUE	4.43E-18
FVC	PTGDR	cg24989962	rs10137242	T	C	0.322	0.034	0.137	1.81E-21	0.000	0.003	0.965	0.024	90.499	TRUE	4.33E-21
FVC	PTGDR	cg24989962	rs11626204	A	G	0.349	0.036	0.123	1.97E-22	0.005	0.004	0.205	0.025	94.879	TRUE	1.55E-21
FVC	PTGDR	cg24989962	rs142859682	A	G	0.479	0.083	0.020	7.71E-09	0.000	0.008	0.970	0.009	33.329	TRUE	9.83E-09
FVC	PTGDR	cg24989962	rs74504207	A	G	0.496	0.083	0.023	2.48E-09	-0.002	0.008	0.851	0.010	35.534	TRUE	3.51E-09
FVC	PTGDR	cg26168772	rs8003616	A	G	0.196	0.026	0.295	2.20E-14	0.000	0.003	0.967	0.016	58.313	TRUE	3.54E-14
FVC	PTGDR	cg27131955	rs12891608	C	G	0.162	0.025	0.354	8.12E-11	0.001	0.003	0.575	0.011	42.206	TRUE	1.55E-10
FVC	PTGDR	cg27131955	rs1437560	G	A	-0.206	0.024	0.408	1.32E-17	-0.001	0.002	0.714	0.019	72.918	TRUE	3.30E-17
FVC	PTGDR	cg27131955	rs34968651	T	C	0.516	0.040	0.086	7.44E-39	0.010	0.004	0.019	0.044	169.898	TRUE	1.06E-36
FVC	PTGDR	cg27131955	rs803013	G	T	-0.146	0.023	0.467	4.45E-10	-0.001	0.002	0.683	0.010	38.885	TRUE	7.48E-10
FVC	PTPMT1	cg05377527	rs11570072	G	A	-0.200	0.031	0.165	1.72E-10	0.000	0.003	0.933	0.011	40.740	TRUE	2.42E-10
FVC	PTPMT1	cg05377527	rs118012321	C	T	0.234	0.042	0.096	2.52E-08	0.001	0.004	0.846	0.008	31.030	TRUE	3.43E-08
FVC	PTPMT1	cg05377527	rs12798028	T	C	0.418	0.023	0.414	5.76E-72	-0.009	0.002	1.40E-04	0.080	321.666	TRUE	1.28E-66

FVC	PTPMT1	cg05377527	rs3740694	A	G	-0.176	0.032	0.165	3.92E-08	-0.006	0.003	0.047	0.008	30.173	TRUE	1.38E-07
FVC	PTPMT1	cg05377527	rs6485809	C	T	-0.201	0.029	0.221	5.47E-12	0.001	0.003	0.869	0.013	47.484	TRUE	8.66E-12
FVC	PTPMT1	cg05377527	rs71475912	C	A	-0.258	0.034	0.134	4.66E-14	0.010	0.003	0.005	0.015	56.837	TRUE	5.43E-13
FVC	PTPMT1	cg05377527	rs72895718	T	C	0.361	0.047	0.062	1.92E-14	-0.005	0.005	0.345	0.016	58.581	TRUE	6.02E-14
FVC	PYCARD	cg00327577	rs4889639	A	G	-0.147	0.025	0.331	3.88E-09	-0.010	0.003	8.58E-05	0.009	34.664	TRUE	4.36E-08
FVC	PYCARD	cg07461837	rs112766425	G	A	0.375	0.050	0.055	5.07E-14	-0.022	0.005	1.47E-05	0.015	56.670	TRUE	1.64E-12
FVC	PYCARD	cg07461837	rs4889655	T	C	0.184	0.024	0.387	2.21E-14	-0.007	0.002	0.002	0.016	58.305	TRUE	3.04E-13
FVC	PYCARD	cg07461837	rs8056505	C	T	0.541	0.024	0.321	2.35E-108	-0.011	0.003	1.18E-05	0.117	488.737	TRUE	4.78E-99
FVC	PYCARD	cg07461837	rs9989432	T	C	-0.232	0.033	0.148	1.30E-12	0.000	0.003	0.899	0.013	50.296	TRUE	2.06E-12
FVC	RAB34	cg05668853	rs188773775	G	A	0.279	0.043	0.080	7.50E-11	0.012	0.004	0.004	0.011	42.360	TRUE	5.94E-10
FVC	RAB34	cg05668853	rs9895369	A	G	0.268	0.036	0.122	1.56E-13	-0.013	0.004	4.42E-04	0.015	54.466	TRUE	2.70E-12
FVC	RALB	cg03154580	rs11893187	A	G	-0.171	0.024	0.421	7.90E-13	-0.006	0.002	0.021	0.014	51.279	TRUE	5.52E-12
FVC	RALB	cg03154580	rs17050098	C	A	0.403	0.037	0.116	2.71E-28	-0.004	0.004	0.274	0.032	121.614	TRUE	3.07E-27
FVC	RALB	cg06876354	rs13019313	G	A	0.135	0.024	0.409	1.33E-08	-0.006	0.003	0.025	0.009	32.266	TRUE	5.73E-08
FVC	RALB	cg11305121	rs4549095	A	G	-0.418	0.026	0.306	4.58E-60	-0.005	0.003	0.048	0.067	267.073	TRUE	8.16E-57
FVC	RALB	cg11305121	rs6736163	C	T	0.269	0.035	0.128	2.22E-14	-0.001	0.004	0.741	0.016	58.298	TRUE	4.47E-14
FVC	RALB	cg11305121	rs72834873	T	C	-0.178	0.028	0.238	2.25E-10	-0.007	0.003	0.009	0.011	40.216	TRUE	1.41E-09
FVC	RALB	cg15425061	rs115849295	C	A	-0.525	0.076	0.023	3.75E-12	0.007	0.008	0.344	0.013	48.227	TRUE	9.94E-12
FVC	RALB	cg15425061	rs148141523	A	G	-0.932	0.037	0.107	1.49E-138	-0.008	0.004	0.048	0.145	627.479	TRUE	3.69E-128
FVC	RALB	cg15425061	rs17659633	C	A	-0.394	0.066	0.060	2.89E-09	-0.008	0.005	0.118	0.009	35.238	TRUE	8.95E-09
FVC	RALB	cg15425061	rs4274598	T	C	0.259	0.036	0.252	9.61E-13	0.000	0.003	0.936	0.014	50.894	TRUE	1.47E-12
FVC	RALB	cg15425061	rs7564550	G	C	-0.264	0.026	0.293	8.12E-24	-0.007	0.003	0.007	0.027	101.191	TRUE	2.86E-22
FVC	RALB	cg15921099	rs75142817	C	G	-0.315	0.037	0.114	1.82E-17	-0.004	0.004	0.315	0.019	72.294	TRUE	7.47E-17
FVC	RALB	cg27457925	rs75142817	C	G	0.552	0.036	0.114	1.28E-51	-0.004	0.004	0.315	0.058	228.352	TRUE	1.61E-49
FVC	RALB	cg27505472	rs34874174	A	C	0.164	0.023	0.439	3.20E-12	-0.005	0.002	0.027	0.013	48.533	TRUE	1.98E-11
FVC	RASIP1	cg01388301	rs281409	C	T	-0.276	0.051	0.055	4.80E-08	0.000	0.005	0.962	0.008	29.780	TRUE	5.95E-08
FVC	RASIP1	cg01388301	rs412712	T	A	0.361	0.023	0.415	1.47E-55	-0.006	0.002	0.020	0.062	246.408	TRUE	2.06E-52
FVC	RASIP1	cg12258179	rs11672900	A	G	0.221	0.023	0.450	8.50E-22	-0.005	0.002	0.021	0.024	91.989	TRUE	1.52E-20
FVC	RASIP1	cg15673069	rs439523	T	C	0.395	0.023	0.472	6.97E-66	-0.006	0.002	0.017	0.074	293.757	TRUE	6.17E-62
FVC	RASIP1	cg15673069	rs8101298	G	C	0.259	0.035	0.138	1.59E-13	-0.006	0.003	0.093	0.015	54.432	TRUE	7.80E-13
FVC	RASIP1	cg15673069	rs863277	G	A	-0.168	0.024	0.474	1.06E-12	0.003	0.002	0.150	0.014	50.703	TRUE	4.05E-12
FVC	RASIP1	cg19420129	rs28400013	T	C	0.699	0.123	0.020	1.40E-08	0.003	0.009	0.727	0.009	32.176	TRUE	2.10E-08
FVC	RASIP1	cg19420129	rs34354498	T	C	-0.349	0.063	0.033	3.32E-08	0.011	0.006	0.090	0.008	30.492	TRUE	1.00E-07
FVC	RASIP1	cg19420129	rs4802517	C	T	0.136	0.024	0.344	3.02E-08	0.001	0.002	0.715	0.008	30.678	TRUE	4.52E-08
FVC	RASIP1	cg19420129	rs8103840	T	C	-0.172	0.024	0.458	3.59E-13	-0.006	0.002	0.019	0.014	52.826	TRUE	2.68E-12
FVC	RASIP1	cg23082877	rs8106205	C	T	0.201	0.024	0.437	1.28E-17	-0.005	0.002	0.026	0.019	72.989	TRUE	1.36E-16
FVC	RBCK1	cg01017895	rs11537607	T	C	-0.180	0.031	0.170	5.85E-09	0.004	0.003	0.140	0.009	33.866	TRUE	1.67E-08
FVC	RBCK1	cg01017895	rs4815586	C	T	-0.246	0.024	0.358	7.71E-24	0.003	0.002	0.260	0.027	101.295	TRUE	5.95E-23
FVC	RBCK1	cg01017895	rs67040509	C	T	0.210	0.038	0.106	3.45E-08	-0.005	0.004	0.220	0.008	30.422	TRUE	8.02E-08
FVC	RBCK1	cg01439366	rs4815586	C	T	-0.223	0.024	0.358	3.62E-20	0.003	0.002	0.260	0.022	84.573	TRUE	2.05E-19
FVC	RBCK1	cg10495669	rs1358782	A	G	-0.154	0.028	0.229	3.90E-08	0.001	0.003	0.865	0.008	30.185	TRUE	5.22E-08
FVC	RBCK1	cg13812132	rs4815580	A	G	-0.175	0.029	0.194	2.02E-09	0.002	0.003	0.433	0.010	35.935	TRUE	4.02E-09

FVC	RBCK1	cg13812132	rs6139114	G	C	-0.438	0.042	0.082	2.34E-25	0.011	0.004	0.010	0.028	108.213	TRUE	8.60E-24
FVC	RBCK1	cg21704491	rs4815586	C	T	-0.174	0.024	0.358	9.39E-13	0.003	0.002	0.260	0.014	50.940	TRUE	2.96E-12
FVC	RBCK1	cg24543097	rs4815586	C	T	-0.279	0.024	0.358	2.58E-30	0.003	0.002	0.260	0.034	130.850	TRUE	3.59E-29
FVC	RBCK1	cg24543097	rs67040509	C	T	0.224	0.038	0.106	3.69E-09	-0.005	0.004	0.220	0.009	34.763	TRUE	9.26E-09
FVC	RBCK1	cg25635139	rs142047253	C	G	-0.366	0.066	0.068	2.34E-08	-0.004	0.005	0.428	0.008	31.173	TRUE	4.42E-08
FVC	RBCK1	cg25635139	rs3746794	T	C	-0.175	0.024	0.464	1.19E-13	-0.002	0.002	0.457	0.015	54.991	TRUE	3.00E-13
FVC	RBCK1	cg25635139	rs4815752	C	T	0.159	0.025	0.301	2.86E-10	0.001	0.003	0.738	0.011	39.744	TRUE	4.66E-10
FVC	RBCK1	cg25635139	rs57454310	A	G	0.436	0.046	0.147	2.03E-21	-0.003	0.003	0.439	0.024	90.267	TRUE	9.46E-21
FVC	RBCK1	cg25635139	rs6107303	T	C	0.736	0.024	0.314	1.07E-207	0.001	0.003	0.582	0.204	945.310	TRUE	1.18E-189
FVC	RBCK1	cg25635139	rs6115906	C	T	0.305	0.031	0.170	2.79E-22	0.004	0.003	0.169	0.025	94.190	TRUE	2.40E-21
FVC	RBCK1	cg25635139	rs67040509	C	T	0.312	0.038	0.106	2.65E-16	-0.005	0.004	0.220	0.018	67.014	TRUE	1.17E-15
FVC	RBCK1	cg25635139	rs77725	C	T	0.248	0.025	0.357	3.71E-23	-0.005	0.002	0.043	0.026	98.184	TRUE	6.37E-22
FVC	RHEB	cg02506984	rs4726029	T	C	-0.190	0.023	0.498	3.88E-16	0.007	0.002	0.005	0.018	66.260	TRUE	5.35E-15
FVC	RHEB	cg03323794	rs2074997	A	C	-0.166	0.023	0.500	6.55E-13	0.007	0.002	0.004	0.014	51.647	TRUE	6.65E-12
FVC	RHEB	cg03998173	rs6943752	A	G	0.143	0.023	0.500	8.78E-10	-0.006	0.002	0.014	0.010	37.558	TRUE	4.69E-09
FVC	RHEB	cg06603923	rs11771194	A	G	-0.186	0.025	0.306	1.16E-13	0.003	0.003	0.256	0.015	55.043	TRUE	4.00E-13
FVC	RHEB	cg06603923	rs2538043	C	A	0.159	0.024	0.373	9.23E-11	0.003	0.002	0.264	0.011	41.955	TRUE	2.50E-10
FVC	RHEB	cg06603923	rs6943752	A	G	0.333	0.023	0.500	2.64E-46	-0.006	0.002	0.014	0.052	204.010	TRUE	1.15E-43
FVC	RHEB	cg06603923	rs73154853	T	A	0.719	0.062	0.036	2.81E-31	0.010	0.006	0.121	0.035	135.250	TRUE	6.77E-30
FVC	RHEB	cg16782602	rs11772402	G	T	-0.161	0.023	0.474	3.89E-12	0.006	0.002	0.019	0.013	48.153	TRUE	2.52E-11
FVC	RHEB	cg16782602	rs12537413	C	T	-0.138	0.024	0.348	1.07E-08	0.001	0.003	0.776	0.009	32.691	TRUE	1.55E-08
FVC	RHEB	cg16782602	rs12669535	G	A	-1.195	0.060	0.038	2.05E-88	0.010	0.006	0.105	0.097	397.164	TRUE	2.47E-83
FVC	RHEB	cg16782602	rs2374262	C	T	-0.143	0.026	0.293	2.55E-08	0.002	0.003	0.483	0.008	31.005	TRUE	4.55E-08
FVC	RHEB	cg21134096	rs2538034	A	G	0.147	0.025	0.344	3.11E-09	0.002	0.003	0.412	0.009	35.098	TRUE	6.23E-09
FVC	RHEB	cg21134096	rs6943752	A	G	0.263	0.023	0.500	3.43E-29	-0.006	0.002	0.014	0.033	125.717	TRUE	1.68E-27
FVC	RHEB	cg21134096	rs73154863	A	G	0.486	0.061	0.037	2.54E-15	0.010	0.006	0.125	0.017	62.558	TRUE	1.34E-14
FVC	RHEB	cg22589161	rs2727568	A	C	0.149	0.027	0.260	2.49E-08	0.003	0.003	0.335	0.008	31.049	TRUE	5.15E-08
FVC	RHEB	cg22589161	rs6943752	A	G	0.176	0.023	0.500	6.12E-14	-0.006	0.002	0.014	0.015	56.303	TRUE	5.28E-13
FVC	RHEB	cg22589161	rs73154863	A	G	0.373	0.061	0.037	1.11E-09	0.010	0.006	0.125	0.010	37.108	TRUE	3.53E-09
FVC	RHEB	cg24531520	rs2538043	C	A	0.138	0.024	0.373	1.62E-08	0.003	0.002	0.264	0.009	31.889	TRUE	3.70E-08
FVC	RHEB	cg24531520	rs6943752	A	G	0.279	0.023	0.500	9.97E-33	-0.006	0.002	0.014	0.037	141.874	TRUE	7.46E-31
FVC	RHEB	cg24531520	rs73154853	T	A	0.590	0.062	0.036	1.85E-21	0.010	0.006	0.121	0.024	90.449	TRUE	1.69E-20
FVC	RPS27L	cg02321289	rs2652812	C	T	0.199	0.027	0.223	2.32E-13	-0.001	0.003	0.751	0.014	53.685	TRUE	4.35E-13
FVC	RPS27L	cg02321289	rs62011184	T	C	1.200	0.076	0.019	4.92E-56	0.004	0.008	0.586	0.063	248.592	TRUE	5.63E-54
FVC	RPS27L	cg02321289	rs73431514	G	A	0.508	0.088	0.016	8.79E-09	-0.019	0.009	0.031	0.009	33.074	TRUE	3.62E-08
FVC	RPS27L	cg02713581	rs17752921	C	T	-0.315	0.053	0.100	2.24E-09	0.004	0.004	0.276	0.010	35.734	TRUE	5.39E-09
FVC	RPS27L	cg02713581	rs35363782	C	T	-0.209	0.038	0.203	4.22E-08	-0.001	0.003	0.696	0.008	30.029	TRUE	6.36E-08
FVC	RPS27L	cg02713581	rs7162561	C	T	-0.168	0.027	0.257	6.33E-10	0.007	0.003	0.012	0.010	38.197	TRUE	3.57E-09
FVC	RPS27L	cg09431919	rs139651141	C	A	0.663	0.082	0.039	6.18E-16	0.002	0.007	0.800	0.017	65.343	TRUE	1.27E-15
FVC	RPS27L	cg09431919	rs2047760	T	C	1.920	0.071	0.021	2.92E-163	0.004	0.008	0.628	0.167	741.038	TRUE	1.75E-151
FVC	RPS27L	cg09431919	rs7162890	G	A	-0.166	0.023	0.468	1.61E-12	0.004	0.002	0.100	0.013	49.877	TRUE	7.12E-12
FVC	RPS27L	cg09431919	rs7163519	C	A	0.238	0.030	0.167	1.61E-15	0.001	0.003	0.776	0.017	63.464	TRUE	3.31E-15

FVC	RPS27L	cg09431919	rs7172837	T	C	0.881	0.058	0.033	1.65E-52	0.014	0.006	0.026	0.059	232.432	TRUE	1.34E-49
FVC	RPS27L	cg09431919	rs78795043	T	C	0.287	0.045	0.070	1.15E-10	0.006	0.005	0.186	0.011	41.533	TRUE	3.47E-10
FVC	RPS27L	cg19279045	rs12594313	A	G	-0.131	0.023	0.475	1.71E-08	0.005	0.002	0.035	0.009	31.787	TRUE	6.68E-08
FVC	RPS27L	cg20854371	rs2652813	G	A	0.164	0.027	0.222	1.29E-09	0.001	0.003	0.732	0.010	36.805	TRUE	2.01E-09
FVC	RPS27L	cg20854371	rs62011184	T	C	0.860	0.077	0.019	4.24E-29	0.004	0.008	0.586	0.033	125.293	TRUE	2.87E-28
FVC	RPS27L	cg23837188	rs75326529	G	A	0.462	0.080	0.019	6.13E-09	0.000	0.007	0.982	0.009	33.775	TRUE	7.80E-09
FVC	RPS27L	cg23837188	rs9788649	A	G	0.625	0.041	0.092	2.51E-52	0.007	0.004	0.079	0.059	231.598	TRUE	9.90E-50
FVC	RPS27L	cg26210447	rs11071732	A	G	-0.251	0.038	0.107	4.55E-11	0.006	0.004	0.108	0.012	43.339	TRUE	1.68E-10
FVC	RPS27L	cg26210447	rs1126308	A	C	-0.453	0.023	0.474	2.68E-87	0.005	0.002	0.028	0.096	392.037	TRUE	7.73E-82
FVC	RPS27L	cg26210447	rs2088652	G	C	-0.203	0.037	0.102	3.97E-08	0.001	0.004	0.812	0.008	30.150	TRUE	5.47E-08
FVC	RPS27L	cg26210447	rs35363782	C	T	-0.252	0.039	0.203	7.88E-11	-0.001	0.003	0.696	0.011	42.265	TRUE	1.36E-10
FVC	RPS27L	cg26210447	rs56131185	G	A	-0.165	0.025	0.298	5.34E-11	0.001	0.003	0.578	0.011	43.027	TRUE	1.03E-10
FVC	RPS27L	cg26210447	rs62011225	A	G	-0.259	0.042	0.072	6.24E-10	0.004	0.004	0.396	0.010	38.223	TRUE	1.36E-09
FVC	RPS27L	cg26210447	rs7183733	T	C	-0.209	0.025	0.330	6.44E-17	0.006	0.003	0.024	0.019	69.799	TRUE	6.76E-16
FVC	RPS7	cg20302414	rs12477923	C	T	0.166	0.025	0.341	2.63E-11	-0.005	0.003	0.038	0.012	44.411	TRUE	1.36E-10
FVC	RPS7	cg20302414	rs17017737	C	T	-0.418	0.075	0.051	2.79E-08	0.009	0.006	0.135	0.008	30.831	TRUE	7.65E-08
FVC	RPS7	cg20302414	rs34492166	C	T	0.258	0.027	0.265	4.05E-22	0.000	0.003	0.906	0.025	93.454	TRUE	1.06E-21
FVC	RPS7	cg20302414	rs4850068	C	T	-0.266	0.025	0.311	2.04E-26	0.009	0.003	3.47E-04	0.030	113.054	TRUE	2.23E-24
FVC	RPS7	cg20302414	rs62106048	G	A	-0.382	0.063	0.082	1.12E-09	0.008	0.004	0.049	0.010	37.080	TRUE	4.53E-09
FVC	RPS7	cg20302414	rs76118778	G	T	-0.274	0.038	0.104	8.21E-13	0.005	0.004	0.204	0.014	51.203	TRUE	2.87E-12
FVC	RPTOR	cg00143364	rs7218924	T	C	-0.155	0.024	0.429	7.82E-11	-0.002	0.002	0.443	0.011	42.279	TRUE	1.69E-10
FVC	RPTOR	cg00143364	rs79155262	T	C	-0.367	0.041	0.090	3.48E-19	0.010	0.004	0.019	0.021	80.104	TRUE	5.17E-18
FVC	RPTOR	cg00463485	rs4969444	A	G	-0.305	0.031	0.184	2.05E-23	-0.004	0.003	0.195	0.026	99.360	TRUE	1.78E-22
FVC	RPTOR	cg00523683	rs117209908	A	G	0.318	0.050	0.059	2.35E-10	-0.008	0.005	0.107	0.011	40.126	TRUE	8.34E-10
FVC	RPTOR	cg00523683	rs4969266	T	C	-0.208	0.028	0.234	5.62E-14	-0.001	0.003	0.631	0.015	56.471	TRUE	1.24E-13
FVC	RPTOR	cg00523683	rs67583258	T	C	0.337	0.027	0.249	2.07E-35	0.001	0.003	0.659	0.040	154.142	TRUE	2.15E-34
FVC	RPTOR	cg00704970	rs11150747	T	C	0.151	0.027	0.249	3.65E-08	0.005	0.003	0.078	0.008	30.311	TRUE	1.15E-07
FVC	RPTOR	cg00704970	rs113473934	C	G	0.198	0.024	0.391	1.32E-16	-0.002	0.003	0.406	0.018	68.382	TRUE	4.48E-16
FVC	RPTOR	cg00704970	rs11656061	A	G	-0.478	0.023	0.436	6.20E-94	-0.001	0.002	0.609	0.103	422.505	TRUE	2.50E-89
FVC	RPTOR	cg00704970	rs12952861	A	G	0.439	0.029	0.202	2.58E-52	-0.001	0.003	0.742	0.059	231.546	TRUE	1.36E-50
FVC	RPTOR	cg00704970	rs13341621	A	G	0.404	0.050	0.080	5.93E-16	0.004	0.005	0.359	0.017	65.424	TRUE	2.03E-15
FVC	RPTOR	cg00704970	rs149099062	A	G	1.076	0.139	0.015	1.19E-14	0.021	0.010	0.029	0.016	59.513	TRUE	9.39E-14
FVC	RPTOR	cg00704970	rs2289763	G	C	1.252	0.031	0.119	<1E-200	0.006	0.004	0.108	0.302	1603.701	TRUE	4.52E-304
FVC	RPTOR	cg00704970	rs56273414	C	T	0.269	0.033	0.146	4.98E-16	0.003	0.003	0.371	0.017	65.767	TRUE	1.68E-15
FVC	RPTOR	cg00704970	rs56859058	G	T	0.292	0.048	0.071	9.39E-10	0.025	0.005	4.24E-07	0.010	37.427	TRUE	2.21E-08
FVC	RPTOR	cg00704970	rs62068487	A	G	-0.359	0.025	0.319	1.09E-46	0.000	0.003	0.923	0.053	205.763	TRUE	2.15E-45
FVC	RPTOR	cg00704970	rs7225916	G	T	0.156	0.026	0.272	3.41E-09	-0.001	0.003	0.691	0.009	34.916	TRUE	5.38E-09
FVC	RPTOR	cg00704970	rs72852923	T	C	0.307	0.050	0.068	8.10E-10	0.006	0.005	0.177	0.010	37.715	TRUE	2.35E-09
FVC	RPTOR	cg00704970	rs72853711	C	T	0.266	0.037	0.115	5.17E-13	0.007	0.004	0.062	0.014	52.111	TRUE	2.77E-12
FVC	RPTOR	cg00704970	rs72857988	T	C	0.600	0.050	0.050	1.88E-33	0.003	0.005	0.527	0.038	145.184	TRUE	2.05E-32
FVC	RPTOR	cg00704970	rs8073904	G	A	0.190	0.033	0.141	9.93E-09	0.003	0.004	0.347	0.009	32.838	TRUE	2.09E-08
FVC	RPTOR	cg01432609	rs62068339	G	T	0.257	0.041	0.092	3.12E-10	0.011	0.004	0.012	0.011	39.578	TRUE	1.91E-09

FVC	RPTOR	cg01464730	rs10468605	C	T	0.806	0.021	0.407	<1E-200	0.002	0.002	0.546	0.288	1494.937	TRUE	3.94E-287
FVC	RPTOR	cg01464730	rs11652074	A	G	-0.213	0.037	0.117	8.99E-09	-0.002	0.004	0.609	0.009	33.031	TRUE	1.49E-08
FVC	RPTOR	cg01464730	rs11653338	T	C	-0.143	0.024	0.495	1.43E-09	-0.002	0.002	0.459	0.010	36.607	TRUE	2.78E-09
FVC	RPTOR	cg01464730	rs117209908	A	G	0.489	0.050	0.059	2.89E-22	-0.008	0.005	0.107	0.025	94.121	TRUE	3.07E-21
FVC	RPTOR	cg01464730	rs118003029	A	G	-0.350	0.055	0.089	1.64E-10	-0.002	0.004	0.548	0.011	40.831	TRUE	3.16E-10
FVC	RPTOR	cg01464730	rs35904260	G	A	-0.274	0.023	0.445	8.41E-32	-0.001	0.002	0.713	0.036	137.640	TRUE	5.89E-31
FVC	RPTOR	cg01464730	rs55903842	A	G	0.398	0.051	0.059	8.52E-15	-0.005	0.006	0.337	0.016	60.179	TRUE	2.75E-14
FVC	RPTOR	cg01464730	rs60720478	T	C	0.499	0.053	0.046	9.22E-21	0.011	0.006	0.037	0.023	87.276	TRUE	1.26E-19
FVC	RPTOR	cg01464730	rs62070200	A	G	-0.141	0.026	0.277	3.51E-08	-0.003	0.003	0.261	0.008	30.386	TRUE	7.78E-08
FVC	RPTOR	cg01464730	rs72856013	A	G	-0.358	0.036	0.120	2.06E-23	0.003	0.004	0.415	0.026	99.346	TRUE	1.14E-22
FVC	RPTOR	cg01464730	rs77591050	T	C	0.498	0.045	0.077	1.33E-28	0.000	0.005	0.993	0.032	123.031	TRUE	4.81E-28
FVC	RPTOR	cg01464730	rs9897608	T	C	-0.256	0.025	0.346	1.74E-25	-0.005	0.003	0.036	0.029	108.808	TRUE	3.81E-24
FVC	RPTOR	cg01476242	rs4969443	G	A	-0.252	0.031	0.184	1.40E-16	-0.004	0.003	0.200	0.018	68.267	TRUE	6.76E-16
FVC	RPTOR	cg01498832	rs34177980	T	C	0.233	0.030	0.199	3.12E-15	0.005	0.003	0.085	0.017	62.158	TRUE	1.87E-14
FVC	RPTOR	cg01498832	rs6565476	T	C	-0.296	0.029	0.220	3.35E-25	0.003	0.003	0.262	0.028	107.506	TRUE	2.85E-24
FVC	RPTOR	cg01516792	rs11150741	G	A	0.367	0.025	0.366	4.54E-50	0.002	0.003	0.526	0.056	221.253	TRUE	2.84E-48
FVC	RPTOR	cg01516792	rs117209908	A	G	0.338	0.050	0.059	2.04E-11	-0.008	0.005	0.107	0.012	44.906	TRUE	7.97E-11
FVC	RPTOR	cg01516792	rs118182693	G	A	-0.375	0.057	0.042	3.78E-11	0.010	0.006	0.095	0.012	43.702	TRUE	1.49E-10
FVC	RPTOR	cg01516792	rs11870398	T	C	-0.195	0.024	0.387	9.07E-16	-0.001	0.002	0.610	0.017	64.588	TRUE	2.23E-15
FVC	RPTOR	cg01516792	rs8073414	G	A	-0.172	0.025	0.353	4.97E-12	0.002	0.002	0.438	0.013	47.674	TRUE	1.19E-11
FVC	RPTOR	cg01516792	rs9915667	A	G	-0.187	0.024	0.438	1.68E-15	0.003	0.002	0.200	0.017	63.371	TRUE	7.20E-15
FVC	RPTOR	cg01561259	rs117736066	G	A	-0.305	0.041	0.088	1.55E-13	-0.010	0.004	0.013	0.015	54.473	TRUE	1.33E-12
FVC	RPTOR	cg01561259	rs12185227	G	C	0.142	0.024	0.390	2.96E-09	-0.002	0.002	0.480	0.009	35.188	TRUE	5.65E-09
FVC	RPTOR	cg01561259	rs146289225	T	C	0.478	0.073	0.057	6.13E-11	0.003	0.005	0.514	0.011	42.756	TRUE	1.25E-10
FVC	RPTOR	cg01561259	rs201407779	A	G	-0.421	0.041	0.090	7.34E-25	0.009	0.004	0.026	0.028	105.952	TRUE	1.78E-23
FVC	RPTOR	cg01561259	rs3829572	G	A	-0.143	0.024	0.389	4.28E-09	0.001	0.002	0.761	0.009	34.472	TRUE	6.38E-09
FVC	RPTOR	cg01561259	rs4396581	T	C	0.306	0.023	0.491	6.18E-39	-0.002	0.002	0.441	0.044	170.268	TRUE	1.31E-37
FVC	RPTOR	cg01561259	rs62070201	A	G	0.316	0.044	0.069	4.97E-13	0.000	0.005	0.997	0.014	52.187	TRUE	7.33E-13
FVC	RPTOR	cg01561259	rs7221014	T	C	0.386	0.024	0.382	1.47E-58	-0.001	0.002	0.565	0.066	260.167	TRUE	2.44E-56
FVC	RPTOR	cg01561259	rs72853711	C	T	-0.255	0.037	0.115	4.83E-12	0.007	0.004	0.062	0.013	47.730	TRUE	2.35E-11
FVC	RPTOR	cg01886663	rs7210742	A	G	0.143	0.023	0.444	1.01E-09	0.000	0.002	0.931	0.010	37.293	TRUE	1.36E-09
FVC	RPTOR	cg01886663	rs8064817	T	C	-0.315	0.032	0.168	3.20E-23	0.002	0.003	0.526	0.026	98.478	TRUE	1.46E-22
FVC	RPTOR	cg01911440	rs114387751	T	C	0.259	0.043	0.081	2.54E-09	0.002	0.004	0.709	0.010	35.488	TRUE	4.01E-09
FVC	RPTOR	cg02033669	rs1468033	G	A	0.181	0.023	0.437	4.41E-15	-0.002	0.002	0.423	0.016	61.473	TRUE	1.30E-14
FVC	RPTOR	cg02185248	rs117117100	A	G	0.505	0.075	0.024	2.28E-11	-0.006	0.007	0.422	0.012	44.694	TRUE	5.26E-11
FVC	RPTOR	cg02185248	rs117209908	A	G	0.539	0.050	0.059	7.01E-27	-0.008	0.005	0.107	0.030	115.168	TRUE	1.17E-25
FVC	RPTOR	cg02185248	rs12452137	G	A	0.726	0.026	0.249	1.85E-169	0.001	0.003	0.607	0.172	769.529	TRUE	7.55E-157
FVC	RPTOR	cg02185248	rs139062305	A	G	-0.346	0.052	0.063	2.31E-11	-0.012	0.005	0.018	0.012	44.668	TRUE	1.46E-10
FVC	RPTOR	cg02185248	rs2873061	A	G	-0.319	0.024	0.367	6.46E-40	-0.005	0.003	0.027	0.045	174.754	TRUE	8.73E-38
FVC	RPTOR	cg02185248	rs35832855	C	T	0.136	0.024	0.436	9.56E-09	-0.002	0.002	0.328	0.009	32.911	TRUE	2.03E-08
FVC	RPTOR	cg02185248	rs4969429	A	G	0.274	0.026	0.273	1.76E-25	-0.001	0.003	0.698	0.029	108.780	TRUE	7.44E-25
FVC	RPTOR	cg02185248	rs56195589	C	T	0.390	0.051	0.134	1.75E-14	0.000	0.004	0.955	0.016	58.763	TRUE	2.87E-14

FVC	RPTOR	cg02185248	rs62067893	T	C	0.574	0.069	0.037	1.31E-16	0.002	0.007	0.728	0.018	68.398	TRUE	3.00E-16
FVC	RPTOR	cg02185248	rs6565695	T	C	-0.160	0.024	0.386	3.48E-11	-0.002	0.002	0.521	0.012	43.863	TRUE	7.08E-11
FVC	RPTOR	cg02185248	rs72853735	G	A	0.331	0.036	0.118	5.00E-20	0.003	0.004	0.392	0.022	83.935	TRUE	2.23E-19
FVC	RPTOR	cg02240665	rs11150746	G	A	-0.136	0.025	0.332	4.21E-08	0.001	0.003	0.579	0.008	30.032	TRUE	6.92E-08
FVC	RPTOR	cg02240665	rs7211095	T	G	-0.203	0.024	0.456	6.34E-18	0.002	0.002	0.450	0.020	74.371	TRUE	2.20E-17
FVC	RPTOR	cg02243479	rs2289762	A	G	-0.333	0.026	0.245	1.95E-36	0.003	0.003	0.258	0.041	158.831	TRUE	4.94E-35
FVC	RPTOR	cg02243479	rs2289764	C	T	0.156	0.027	0.241	1.16E-08	0.004	0.003	0.178	0.009	32.537	TRUE	3.04E-08
FVC	RPTOR	cg02251850	rs117763980	T	C	0.319	0.055	0.043	6.30E-09	-0.004	0.006	0.515	0.009	33.722	TRUE	1.14E-08
FVC	RPTOR	cg02251850	rs2289762	A	G	0.573	0.026	0.245	3.66E-107	0.003	0.003	0.258	0.116	483.260	TRUE	7.01E-101
FVC	RPTOR	cg02251850	rs34781048	A	G	0.157	0.024	0.434	7.20E-11	0.001	0.002	0.702	0.011	42.441	TRUE	1.23E-10
FVC	RPTOR	cg02251850	rs62068460	T	C	-0.462	0.027	0.231	1.72E-63	0.000	0.003	0.983	0.071	282.790	TRUE	2.34E-61
FVC	RPTOR	cg02251850	rs7207052	T	C	0.240	0.043	0.196	1.89E-08	0.002	0.003	0.527	0.008	31.586	TRUE	3.33E-08
FVC	RPTOR	cg02254800	rs77734083	A	G	0.830	0.089	0.018	1.51E-20	-0.005	0.008	0.567	0.023	86.305	TRUE	5.43E-20
FVC	RPTOR	cg02284802	rs2589156	A	G	0.200	0.034	0.138	6.62E-09	-0.003	0.004	0.446	0.009	33.625	TRUE	1.28E-08
FVC	RPTOR	cg02403929	rs8082382	C	T	-0.133	0.024	0.420	2.53E-08	0.003	0.002	0.235	0.008	31.022	TRUE	5.83E-08
FVC	RPTOR	cg02671711	rs9899051	A	G	-0.242	0.024	0.464	8.88E-25	0.000	0.002	0.994	0.028	105.575	TRUE	2.48E-24
FVC	RPTOR	cg02675920	rs117429647	G	A	0.339	0.061	0.039	2.89E-08	-0.002	0.006	0.725	0.008	30.765	TRUE	4.27E-08
FVC	RPTOR	cg02675920	rs12943620	T	G	-0.257	0.027	0.225	3.23E-21	0.003	0.003	0.228	0.024	89.347	TRUE	2.16E-20
FVC	RPTOR	cg02675920	rs28742979	G	A	-0.185	0.027	0.262	8.82E-12	0.000	0.003	0.970	0.012	46.548	TRUE	1.26E-11
FVC	RPTOR	cg02675920	rs62069371	T	C	-0.859	0.041	0.084	7.96E-97	0.010	0.004	0.023	0.105	435.785	TRUE	1.78E-90
FVC	RPTOR	cg02675920	rs7207154	C	T	0.352	0.052	0.131	8.82E-12	-0.001	0.004	0.803	0.012	46.550	TRUE	1.45E-11
FVC	RPTOR	cg02675920	rs7208789	T	C	0.330	0.039	0.107	2.06E-17	-0.003	0.004	0.392	0.019	72.049	TRUE	7.46E-17
FVC	RPTOR	cg02675920	rs7209132	C	T	0.534	0.024	0.365	3.92E-108	0.001	0.003	0.608	0.116	487.715	TRUE	2.74E-102
FVC	RPTOR	cg02675920	rs72853735	G	A	0.251	0.036	0.118	4.37E-12	0.003	0.004	0.392	0.013	47.925	TRUE	1.10E-11
FVC	RPTOR	cg02675920	rs74003912	A	G	0.168	0.030	0.199	1.35E-08	-0.003	0.003	0.337	0.009	32.248	TRUE	2.84E-08
FVC	RPTOR	cg02675920	rs9902224	G	A	0.224	0.024	0.480	1.71E-21	0.001	0.002	0.809	0.024	90.604	TRUE	4.89E-21
FVC	RPTOR	cg02878831	rs11868966	C	A	-0.270	0.032	0.167	2.25E-17	0.002	0.003	0.482	0.019	71.872	TRUE	7.32E-17
FVC	RPTOR	cg02878831	rs4969306	C	T	0.150	0.025	0.317	2.32E-09	0.001	0.003	0.760	0.010	35.661	TRUE	3.56E-09
FVC	RPTOR	cg03052541	rs2271610	G	C	0.235	0.033	0.135	1.27E-12	-0.007	0.004	0.039	0.013	50.351	TRUE	7.41E-12
FVC	RPTOR	cg03052541	rs6565502	G	A	-0.379	0.024	0.394	2.01E-57	0.003	0.002	0.180	0.064	254.959	TRUE	8.88E-55
FVC	RPTOR	cg03052541	rs868432	A	G	-0.172	0.023	0.444	8.35E-14	0.002	0.002	0.440	0.015	55.691	TRUE	2.25E-13
FVC	RPTOR	cg03443590	rs10468605	C	T	0.865	0.019	0.407	<1E-200	0.002	0.002	0.546	0.351	2002.666	TRUE	<1E-200
FVC	RPTOR	cg03443590	rs113059224	A	G	-0.444	0.043	0.070	4.02E-25	-0.001	0.004	0.735	0.028	107.142	TRUE	1.60E-24
FVC	RPTOR	cg03443590	rs11651724	A	G	-0.279	0.037	0.117	4.75E-14	-0.002	0.004	0.626	0.015	56.798	TRUE	1.04E-13
FVC	RPTOR	cg03443590	rs11653338	T	C	-0.216	0.024	0.495	3.65E-20	-0.002	0.002	0.459	0.022	84.557	TRUE	1.43E-19
FVC	RPTOR	cg03443590	rs117209908	A	G	0.422	0.050	0.059	5.39E-17	-0.008	0.005	0.107	0.019	70.150	TRUE	3.50E-16
FVC	RPTOR	cg03443590	rs2340773	T	C	-0.224	0.037	0.116	2.02E-09	0.001	0.004	0.751	0.010	35.933	TRUE	3.10E-09
FVC	RPTOR	cg03443590	rs35904260	G	A	-0.403	0.023	0.445	1.87E-68	-0.001	0.002	0.713	0.076	305.556	TRUE	8.76E-66
FVC	RPTOR	cg03443590	rs56043926	A	G	0.568	0.053	0.046	1.93E-26	0.011	0.006	0.041	0.030	113.157	TRUE	4.69E-25
FVC	RPTOR	cg03443590	rs62068299	G	A	0.459	0.041	0.091	2.04E-29	0.010	0.004	0.019	0.033	126.744	TRUE	9.98E-28
FVC	RPTOR	cg03443590	rs62069420	A	T	0.404	0.052	0.058	5.52E-15	-0.006	0.006	0.301	0.016	61.034	TRUE	1.93E-14
FVC	RPTOR	cg03443590	rs72856013	A	G	-0.450	0.036	0.120	3.01E-36	0.003	0.004	0.415	0.041	157.973	TRUE	5.22E-35

FVC	RPTOR	cg03443590	rs77591050	T	C	0.558	0.045	0.077	1.36E-35	0.000	0.005	0.993	0.040	154.979	TRUE	8.48E-35
FVC	RPTOR	cg03502601	rs113473934	C	G	0.204	0.024	0.391	1.36E-17	-0.002	0.003	0.406	0.019	72.872	TRUE	4.94E-17
FVC	RPTOR	cg03502601	rs11656246	A	G	-0.356	0.027	0.241	6.48E-41	0.003	0.003	0.328	0.046	179.325	TRUE	2.20E-39
FVC	RPTOR	cg03502601	rs12948647	A	G	0.284	0.046	0.125	4.87E-10	-0.003	0.004	0.397	0.010	38.709	TRUE	1.07E-09
FVC	RPTOR	cg03502601	rs12952861	A	G	0.445	0.029	0.202	1.26E-53	-0.001	0.003	0.742	0.060	237.551	TRUE	7.77E-52
FVC	RPTOR	cg03502601	rs13341621	A	G	0.417	0.050	0.080	6.47E-17	0.004	0.005	0.359	0.019	69.789	TRUE	2.38E-16
FVC	RPTOR	cg03502601	rs149099062	A	G	1.045	0.139	0.015	6.65E-14	0.021	0.010	0.029	0.015	56.138	TRUE	4.83E-13
FVC	RPTOR	cg03502601	rs2289764	C	T	1.143	0.020	0.241	<1E-200	0.004	0.003	0.178	0.469	3272.956	TRUE	<1E-200
FVC	RPTOR	cg03502601	rs56273414	C	T	0.238	0.033	0.146	7.30E-13	0.003	0.003	0.371	0.014	51.434	TRUE	1.96E-12
FVC	RPTOR	cg03502601	rs62067893	T	C	0.393	0.070	0.037	1.65E-08	0.002	0.007	0.728	0.009	31.852	TRUE	2.46E-08
FVC	RPTOR	cg03502601	rs62068487	A	G	-0.342	0.025	0.319	2.59E-42	0.000	0.003	0.923	0.048	185.725	TRUE	3.28E-41
FVC	RPTOR	cg03502601	rs7217223	T	C	0.169	0.026	0.297	6.69E-11	0.006	0.003	0.017	0.011	42.583	TRUE	4.00E-10
FVC	RPTOR	cg03502601	rs72852923	T	C	0.310	0.050	0.068	5.81E-10	0.006	0.005	0.177	0.010	38.364	TRUE	1.70E-09
FVC	RPTOR	cg03502601	rs72859646	T	C	0.645	0.068	0.026	2.96E-21	0.006	0.007	0.399	0.024	89.521	TRUE	1.43E-20
FVC	RPTOR	cg03502601	rs77183052	A	G	1.147	0.170	0.012	1.39E-11	0.016	0.010	0.115	0.012	45.658	TRUE	5.36E-11
FVC	RPTOR	cg03502601	rs908235	A	G	-0.199	0.031	0.191	8.73E-11	-0.002	0.003	0.626	0.011	42.065	TRUE	1.60E-10
FVC	RPTOR	cg03513049	rs112356065	G	T	0.177	0.028	0.224	3.83E-10	0.000	0.003	0.951	0.010	39.174	TRUE	5.25E-10
FVC	RPTOR	cg03513049	rs1131609	A	G	-0.251	0.027	0.243	4.09E-21	0.003	0.003	0.371	0.023	88.884	TRUE	2.03E-20
FVC	RPTOR	cg03513049	rs2291360	A	G	0.222	0.025	0.367	3.44E-19	0.001	0.003	0.723	0.021	80.125	TRUE	9.35E-19
FVC	RPTOR	cg03513049	rs28742979	G	A	-0.245	0.027	0.262	1.34E-19	0.000	0.003	0.970	0.022	81.989	TRUE	2.82E-19
FVC	RPTOR	cg03513049	rs58691767	T	C	-1.137	0.040	0.084	7.76E-178	0.010	0.004	0.020	0.179	808.036	TRUE	4.88E-162
FVC	RPTOR	cg03513049	rs9890103	C	G	-0.176	0.024	0.353	6.50E-13	0.001	0.003	0.745	0.014	51.663	TRUE	1.19E-12
FVC	RPTOR	cg03513049	rs9895714	C	A	0.229	0.023	0.426	5.87E-23	0.001	0.002	0.692	0.026	97.277	TRUE	2.08E-22
FVC	RPTOR	cg03533386	rs11652074	A	G	-0.287	0.036	0.117	3.79E-15	-0.002	0.004	0.609	0.016	61.773	TRUE	9.07E-15
FVC	RPTOR	cg03533386	rs72853711	C	T	0.201	0.036	0.115	3.12E-08	0.007	0.004	0.062	0.008	30.617	TRUE	1.03E-07
FVC	RPTOR	cg03533386	rs8064620	T	G	-0.136	0.024	0.382	1.20E-08	-0.001	0.002	0.570	0.009	32.473	TRUE	2.05E-08
FVC	RPTOR	cg03641032	rs113335931	G	A	-0.393	0.032	0.150	3.37E-34	0.005	0.003	0.178	0.039	148.601	TRUE	8.65E-33
FVC	RPTOR	cg03641032	rs2672878	T	C	0.260	0.026	0.263	3.34E-23	0.003	0.003	0.203	0.026	98.395	TRUE	2.89E-22
FVC	RPTOR	cg03641032	rs2878052	A	G	0.898	0.025	0.228	7.37E-287	-0.001	0.003	0.618	0.261	1309.351	TRUE	3.45E-255
FVC	RPTOR	cg03641032	rs4969285	G	C	-0.409	0.025	0.333	1.41E-61	0.001	0.003	0.613	0.069	274.007	TRUE	3.08E-59
FVC	RPTOR	cg03641032	rs547581211	A	T	0.330	0.059	0.036	1.92E-08	0.010	0.006	0.077	0.008	31.560	TRUE	6.14E-08
FVC	RPTOR	cg03641032	rs56960771	T	C	0.181	0.025	0.310	8.09E-13	0.000	0.003	0.912	0.014	51.233	TRUE	1.28E-12
FVC	RPTOR	cg03641032	rs62068550	A	G	-0.691	0.034	0.143	9.41E-93	-0.001	0.004	0.839	0.101	417.081	TRUE	1.72E-88
FVC	RPTOR	cg03641032	rs74004829	C	T	0.401	0.043	0.092	1.99E-20	0.001	0.004	0.865	0.023	85.758	TRUE	4.93E-20
FVC	RPTOR	cg03641032	rs868432	A	G	0.773	0.020	0.444	<1E-200	0.002	0.002	0.440	0.281	1443.188	TRUE	5.24E-278
FVC	RPTOR	cg03641032	rs9897319	A	G	0.377	0.025	0.354	3.13E-52	0.002	0.003	0.393	0.059	231.158	TRUE	3.38E-50
FVC	RPTOR	cg03641032	rs9897437	C	A	-0.627	0.033	0.131	1.98E-78	-0.002	0.004	0.542	0.087	351.330	TRUE	6.34E-75
FVC	RPTOR	cg03794617	rs11150745	G	A	-0.338	0.025	0.314	1.48E-41	0.003	0.003	0.217	0.047	182.257	TRUE	7.70E-40
FVC	RPTOR	cg03794617	rs11655574	A	G	0.153	0.025	0.361	1.00E-09	0.000	0.003	0.972	0.010	37.300	TRUE	1.32E-09
FVC	RPTOR	cg03794617	rs28377011	C	T	-0.231	0.042	0.082	3.90E-08	0.005	0.004	0.249	0.008	30.181	TRUE	8.72E-08
FVC	RPTOR	cg03794617	rs4969424	A	C	0.518	0.037	0.117	1.19E-45	0.001	0.004	0.844	0.052	201.019	TRUE	2.42E-44
FVC	RPTOR	cg03794617	rs62070202	T	C	-0.292	0.042	0.079	3.32E-12	0.008	0.004	0.087	0.013	48.462	TRUE	1.50E-11

FVC	RPTOR	cg03794617	rs7210110	A	G	-0.385	0.029	0.200	2.10E-39	0.001	0.003	0.678	0.045	172.412	TRUE	3.02E-38
FVC	RPTOR	cg03794617	rs8069320	C	A	-0.169	0.024	0.490	8.73E-13	-0.002	0.002	0.385	0.014	51.083	TRUE	2.32E-12
FVC	RPTOR	cg03890538	rs11658452	G	A	0.318	0.027	0.244	4.17E-32	-0.003	0.003	0.344	0.036	139.033	TRUE	5.77E-31
FVC	RPTOR	cg03890538	rs1468032	T	A	-0.150	0.025	0.340	1.06E-09	0.001	0.003	0.650	0.010	37.182	TRUE	1.78E-09
FVC	RPTOR	cg03890538	rs34048269	A	G	0.213	0.030	0.205	6.71E-13	-0.001	0.003	0.713	0.014	51.600	TRUE	1.27E-12
FVC	RPTOR	cg04191427	rs11150746	G	A	0.239	0.025	0.332	5.44E-22	0.001	0.003	0.579	0.024	92.872	TRUE	2.14E-21
FVC	RPTOR	cg04191427	rs62067889	G	C	-0.180	0.030	0.199	1.27E-09	0.005	0.003	0.093	0.010	36.843	TRUE	4.31E-09
FVC	RPTOR	cg04295549	rs2340773	T	C	-0.355	0.037	0.116	3.64E-22	0.001	0.004	0.751	0.025	93.665	TRUE	1.16E-21
FVC	RPTOR	cg04295549	rs62648832	G	A	-0.148	0.023	0.440	1.31E-10	0.002	0.002	0.327	0.011	41.273	TRUE	3.16E-10
FVC	RPTOR	cg04658243	rs1128687	C	T	-0.138	0.024	0.420	4.36E-09	-0.002	0.002	0.332	0.009	34.436	TRUE	9.48E-09
FVC	RPTOR	cg04658243	rs11868966	C	A	1.049	0.028	0.167	<1E-200	0.002	0.003	0.482	0.280	1441.589	TRUE	7.69E-278
FVC	RPTOR	cg04658243	rs13341621	A	G	0.377	0.050	0.080	4.66E-14	0.004	0.005	0.359	0.015	56.839	TRUE	1.39E-13
FVC	RPTOR	cg04658243	rs149099062	A	G	0.951	0.140	0.015	9.65E-12	0.021	0.010	0.029	0.012	46.372	TRUE	5.56E-11
FVC	RPTOR	cg04658243	rs55993113	G	A	0.156	0.028	0.219	2.67E-08	0.009	0.003	0.003	0.008	30.916	TRUE	1.61E-07
FVC	RPTOR	cg04658243	rs56273414	C	T	0.238	0.033	0.146	8.54E-13	0.003	0.003	0.371	0.014	51.127	TRUE	2.29E-12
FVC	RPTOR	cg04658243	rs62067893	T	C	0.402	0.070	0.037	7.66E-09	0.002	0.007	0.728	0.009	33.343	TRUE	1.16E-08
FVC	RPTOR	cg04658243	rs62068487	A	G	-0.254	0.025	0.319	8.99E-24	0.000	0.003	0.923	0.027	100.990	TRUE	2.53E-23
FVC	RPTOR	cg04658243	rs7208823	G	A	0.163	0.028	0.247	3.66E-09	0.001	0.003	0.612	0.009	34.780	TRUE	6.22E-09
FVC	RPTOR	cg04658243	rs7502321	C	T	0.147	0.024	0.386	9.53E-10	0.000	0.002	0.933	0.010	37.399	TRUE	1.29E-09
FVC	RPTOR	cg04658243	rs7502841	A	G	0.380	0.027	0.232	5.45E-44	-0.001	0.003	0.851	0.050	193.406	TRUE	9.30E-43
FVC	RPTOR	cg04662369	rs11150747	T	C	-0.331	0.027	0.249	3.22E-34	0.005	0.003	0.078	0.039	148.692	TRUE	1.39E-32
FVC	RPTOR	cg04662369	rs11651724	A	G	-0.466	0.037	0.117	7.94E-37	-0.002	0.004	0.626	0.042	160.617	TRUE	9.90E-36
FVC	RPTOR	cg04662369	rs117209908	A	G	-0.530	0.050	0.059	5.47E-26	-0.008	0.005	0.107	0.029	111.096	TRUE	8.36E-25
FVC	RPTOR	cg04662369	rs118107399	T	C	1.294	0.148	0.014	1.96E-18	0.001	0.011	0.967	0.020	76.684	TRUE	3.90E-18
FVC	RPTOR	cg04662369	rs12949279	C	T	0.869	0.018	0.440	<1E-200	0.002	0.002	0.317	0.374	2211.170	TRUE	<1E-200
FVC	RPTOR	cg04662369	rs2340772	C	A	1.156	0.034	0.117	4.08E-249	0.001	0.004	0.823	0.235	1135.772	TRUE	8.83E-225
FVC	RPTOR	cg04662369	rs2589139	C	G	0.208	0.025	0.297	1.18E-16	0.003	0.003	0.300	0.018	68.612	TRUE	4.68E-16
FVC	RPTOR	cg04662369	rs28364735	C	T	-0.242	0.025	0.280	1.55E-21	-0.002	0.003	0.358	0.024	90.798	TRUE	8.20E-21
FVC	RPTOR	cg04662369	rs4426398	T	C	0.228	0.034	0.139	1.28E-11	-0.002	0.003	0.492	0.012	45.818	TRUE	2.82E-11
FVC	RPTOR	cg04662369	rs4453556	G	A	0.133	0.024	0.417	2.18E-08	0.000	0.002	0.883	0.008	31.311	TRUE	2.87E-08
FVC	RPTOR	cg04662369	rs4969282	T	G	0.198	0.033	0.139	2.90E-09	0.000	0.003	0.992	0.009	35.232	TRUE	3.67E-09
FVC	RPTOR	cg04662369	rs4969427	A	G	-0.325	0.031	0.179	3.13E-26	-0.002	0.003	0.648	0.029	112.203	TRUE	1.54E-25
FVC	RPTOR	cg04662369	rs56111062	G	A	-0.344	0.024	0.379	4.48E-47	0.004	0.002	0.096	0.053	207.536	TRUE	7.95E-45
FVC	RPTOR	cg04662369	rs62067893	T	C	-0.666	0.069	0.037	6.76E-22	0.002	0.007	0.728	0.024	92.441	TRUE	2.16E-21
FVC	RPTOR	cg04662369	rs72856006	G	C	-0.415	0.036	0.120	4.06E-31	0.003	0.004	0.392	0.035	134.516	TRUE	4.60E-30
FVC	RPTOR	cg04662369	rs72858264	C	A	0.497	0.066	0.031	5.47E-14	0.007	0.007	0.313	0.015	56.521	TRUE	1.75E-13
FVC	RPTOR	cg04789650	rs113059224	A	G	-0.273	0.043	0.070	2.52E-10	-0.001	0.004	0.735	0.011	39.994	TRUE	4.08E-10
FVC	RPTOR	cg04789650	rs11548824	A	G	-0.247	0.034	0.154	1.81E-13	-0.002	0.003	0.622	0.014	54.171	TRUE	3.88E-13
FVC	RPTOR	cg04789650	rs117763980	T	C	-0.481	0.055	0.043	1.62E-18	-0.004	0.006	0.515	0.020	77.061	TRUE	5.42E-18
FVC	RPTOR	cg04789650	rs139078473	A	G	-0.341	0.051	0.052	2.64E-11	-0.009	0.005	0.085	0.012	44.407	TRUE	1.09E-10
FVC	RPTOR	cg04789650	rs2004184	C	T	-0.401	0.026	0.265	4.39E-54	0.004	0.003	0.177	0.061	239.651	TRUE	1.25E-51
FVC	RPTOR	cg04789650	rs34781048	A	G	-0.331	0.024	0.434	6.33E-44	0.001	0.002	0.702	0.050	193.107	TRUE	1.39E-42

FVC	RPTOR	cg04789650	rs4969300	A	G	0.593	0.035	0.120	7.28E-65	-0.001	0.004	0.736	0.072	289.083	TRUE	1.89E-62
FVC	RPTOR	cg04789650	rs55803650	A	C	-0.525	0.092	0.017	1.29E-08	0.009	0.009	0.307	0.009	32.325	TRUE	2.82E-08
FVC	RPTOR	cg04789650	rs56960771	T	C	-0.199	0.025	0.310	3.14E-15	0.000	0.003	0.912	0.017	62.145	TRUE	5.58E-15
FVC	RPTOR	cg04789650	rs67198902	G	T	-0.277	0.031	0.186	1.58E-19	-0.001	0.003	0.789	0.022	81.666	TRUE	4.04E-19
FVC	RPTOR	cg04789650	rs7225241	T	C	-0.216	0.035	0.137	5.12E-10	0.006	0.004	0.078	0.010	38.609	TRUE	1.92E-09
FVC	RPTOR	cg04789650	rs72850576	A	C	0.226	0.033	0.155	5.05E-12	0.003	0.003	0.314	0.013	47.641	TRUE	1.39E-11
FVC	RPTOR	cg04789650	rs7503237	G	A	0.852	0.020	0.449	<1E-200	-0.001	0.002	0.846	0.340	1908.217	TRUE	<1E-200
FVC	RPTOR	cg04789650	rs9903399	C	T	-0.312	0.041	0.222	1.45E-14	0.001	0.003	0.645	0.016	59.137	TRUE	3.19E-14
FVC	RPTOR	cg05064567	rs11656061	A	G	0.209	0.024	0.436	2.06E-18	-0.001	0.002	0.609	0.020	76.592	TRUE	5.99E-18
FVC	RPTOR	cg05064567	rs12952861	A	G	-0.248	0.029	0.202	1.80E-17	-0.001	0.003	0.742	0.019	72.315	TRUE	4.30E-17
FVC	RPTOR	cg05064567	rs13341621	A	G	-0.326	0.050	0.080	6.74E-11	0.004	0.005	0.359	0.011	42.569	TRUE	1.62E-10
FVC	RPTOR	cg05064567	rs2289766	G	A	-0.904	0.030	0.167	4.19E-196	0.002	0.003	0.578	0.194	892.018	TRUE	8.78E-180
FVC	RPTOR	cg05064567	rs4969307	C	G	-0.166	0.025	0.357	1.46E-11	-0.002	0.003	0.385	0.012	45.556	TRUE	3.60E-11
FVC	RPTOR	cg05064567	rs6565489	A	C	-0.204	0.024	0.455	4.86E-18	0.001	0.002	0.824	0.020	74.896	TRUE	1.08E-17
FVC	RPTOR	cg05064567	rs9912092	G	A	-0.222	0.023	0.499	7.63E-22	-0.003	0.002	0.261	0.024	92.201	TRUE	4.97E-21
FVC	RPTOR	cg05098037	rs11150745	G	A	-0.281	0.025	0.314	7.03E-29	0.003	0.003	0.217	0.033	124.293	TRUE	9.65E-28
FVC	RPTOR	cg05098037	rs11655574	A	G	0.172	0.025	0.361	6.74E-12	0.000	0.003	0.972	0.013	47.075	TRUE	9.73E-12
FVC	RPTOR	cg05098037	rs118107399	T	C	0.937	0.149	0.014	2.83E-10	0.001	0.011	0.967	0.011	39.764	TRUE	3.83E-10
FVC	RPTOR	cg05098037	rs12940318	T	C	-0.214	0.024	0.431	1.87E-19	-0.002	0.002	0.464	0.022	81.323	TRUE	6.99E-19
FVC	RPTOR	cg05098037	rs28872794	C	T	-0.191	0.024	0.493	3.96E-16	-0.002	0.002	0.456	0.018	66.219	TRUE	1.21E-15
FVC	RPTOR	cg05098037	rs35926934	A	G	0.882	0.036	0.117	1.62E-135	-0.001	0.004	0.811	0.142	613.522	TRUE	3.17E-127
FVC	RPTOR	cg05098037	rs62070202	T	C	-0.257	0.042	0.079	9.38E-10	0.008	0.004	0.087	0.010	37.430	TRUE	3.35E-09
FVC	RPTOR	cg05098037	rs734338	A	G	-0.187	0.023	0.497	1.34E-15	0.002	0.002	0.391	0.017	63.817	TRUE	4.21E-15
FVC	RPTOR	cg05337636	rs10468603	C	T	-0.268	0.024	0.413	2.45E-29	0.006	0.002	0.021	0.033	126.378	TRUE	1.12E-27
FVC	RPTOR	cg05337636	rs11150746	G	A	-0.164	0.025	0.332	3.86E-11	0.001	0.003	0.579	0.012	43.659	TRUE	7.52E-11
FVC	RPTOR	cg05337636	rs12948054	T	C	0.240	0.040	0.091	1.37E-09	-0.003	0.004	0.383	0.010	36.695	TRUE	2.93E-09
FVC	RPTOR	cg05337636	rs4969429	A	G	-0.190	0.026	0.273	5.76E-13	-0.001	0.003	0.698	0.014	51.899	TRUE	1.10E-12
FVC	RPTOR	cg05395366	rs2271607	C	T	0.417	0.029	0.220	4.17E-48	-0.001	0.003	0.722	0.054	212.258	TRUE	1.38E-46
FVC	RPTOR	cg05395366	rs7220687	C	T	0.143	0.026	0.289	3.77E-08	-0.002	0.003	0.531	0.008	30.249	TRUE	6.52E-08
FVC	RPTOR	cg05548508	rs4969277	T	C	0.250	0.030	0.184	1.61E-16	-0.004	0.003	0.193	0.018	67.991	TRUE	7.74E-16
FVC	RPTOR	cg05651511	rs117429647	G	A	-0.369	0.061	0.039	1.41E-09	-0.002	0.006	0.725	0.010	36.634	TRUE	2.22E-09
FVC	RPTOR	cg05651511	rs12942109	G	A	0.237	0.024	0.417	7.45E-24	-0.002	0.002	0.360	0.027	101.363	TRUE	4.72E-23
FVC	RPTOR	cg05651511	rs72858219	A	G	-0.218	0.029	0.212	1.93E-14	-0.003	0.003	0.334	0.016	58.572	TRUE	6.15E-14
FVC	RPTOR	cg05651511	rs8080789	A	G	0.360	0.037	0.118	7.36E-23	0.001	0.004	0.833	0.026	96.829	TRUE	2.22E-22
FVC	RPTOR	cg05651511	rs9893680	G	T	-0.160	0.024	0.383	3.76E-11	0.001	0.003	0.571	0.012	43.713	TRUE	7.33E-11
FVC	RPTOR	cg05651511	rs9894401	A	G	-0.395	0.027	0.255	1.31E-48	0.001	0.003	0.622	0.055	214.566	TRUE	5.53E-47
FVC	RPTOR	cg05774614	rs1128687	C	T	-0.181	0.024	0.420	1.53E-14	-0.002	0.002	0.332	0.016	59.027	TRUE	4.90E-14
FVC	RPTOR	cg05774614	rs113714895	T	C	-0.270	0.043	0.080	2.67E-10	-0.005	0.004	0.214	0.011	39.880	TRUE	7.57E-10
FVC	RPTOR	cg05774614	rs11653179	A	G	0.169	0.031	0.174	3.72E-08	0.004	0.003	0.199	0.008	30.273	TRUE	8.99E-08
FVC	RPTOR	cg05774614	rs11656246	A	G	-0.446	0.026	0.241	4.04E-64	0.003	0.003	0.328	0.072	285.669	TRUE	2.62E-61
FVC	RPTOR	cg05774614	rs12948647	A	G	0.306	0.046	0.125	2.09E-11	-0.003	0.004	0.397	0.012	44.864	TRUE	5.01E-11
FVC	RPTOR	cg05774614	rs12952861	A	G	0.407	0.029	0.202	5.30E-45	-0.001	0.003	0.742	0.051	198.040	TRUE	1.23E-43

FVC	RPTOR	cg05774614	rs13341621	A	G	0.471	0.050	0.080	3.11E-21	0.004	0.005	0.359	0.024	89.422	TRUE	1.59E-20
FVC	RPTOR	cg05774614	rs149099062	A	G	1.173	0.139	0.015	3.43E-17	0.021	0.010	0.029	0.019	71.043	TRUE	3.52E-16
FVC	RPTOR	cg05774614	rs2289764	C	T	0.960	0.024	0.241	<1E-200	0.004	0.003	0.178	0.310	1660.882	TRUE	<1E-200
FVC	RPTOR	cg05774614	rs56068957	C	A	0.142	0.024	0.470	1.84E-09	-0.002	0.002	0.306	0.010	36.116	TRUE	4.21E-09
FVC	RPTOR	cg05774614	rs56273414	C	T	0.256	0.033	0.146	1.33E-14	0.003	0.003	0.371	0.016	59.297	TRUE	4.05E-14
FVC	RPTOR	cg05774614	rs62068550	A	G	-0.256	0.035	0.143	1.37E-13	-0.001	0.004	0.839	0.015	54.724	TRUE	2.38E-13
FVC	RPTOR	cg05774614	rs72853711	C	T	0.244	0.037	0.115	3.38E-11	0.007	0.004	0.062	0.012	43.919	TRUE	1.51E-10
FVC	RPTOR	cg05774614	rs7502321	C	T	0.191	0.024	0.386	2.15E-15	0.000	0.002	0.933	0.017	62.886	TRUE	3.77E-15
FVC	RPTOR	cg05774614	rs75856682	T	C	0.539	0.085	0.044	2.75E-10	0.008	0.006	0.147	0.011	39.825	TRUE	8.73E-10
FVC	RPTOR	cg05774614	rs8073904	G	A	0.187	0.033	0.141	1.92E-08	0.003	0.004	0.347	0.008	31.557	TRUE	3.95E-08
FVC	RPTOR	cg05774614	rs908236	C	G	0.306	0.025	0.351	9.72E-36	-0.002	0.003	0.385	0.040	155.641	TRUE	1.74E-34
FVC	RPTOR	cg05774614	rs9897319	A	G	-0.190	0.025	0.354	4.06E-14	0.002	0.003	0.393	0.015	57.108	TRUE	1.16E-13
FVC	RPTOR	cg06153925	rs114101526	T	C	-0.263	0.042	0.085	5.37E-10	0.005	0.004	0.253	0.010	38.517	TRUE	1.40E-09
FVC	RPTOR	cg06153925	rs118107399	T	C	1.323	0.148	0.014	3.16E-19	0.001	0.011	0.967	0.021	80.291	TRUE	6.57E-19
FVC	RPTOR	cg06153925	rs11869626	C	A	0.161	0.023	0.476	5.68E-12	0.000	0.002	0.996	0.013	47.413	TRUE	8.00E-12
FVC	RPTOR	cg06153925	rs2004184	C	T	-0.157	0.026	0.265	2.17E-09	0.004	0.003	0.177	0.010	35.796	TRUE	6.02E-09
FVC	RPTOR	cg06153925	rs2672901	T	C	0.380	0.024	0.353	2.88E-55	-0.002	0.003	0.518	0.062	245.074	TRUE	3.41E-53
FVC	RPTOR	cg06153925	rs72853745	T	C	-0.357	0.036	0.118	3.69E-23	0.003	0.004	0.389	0.026	98.193	TRUE	2.11E-22
FVC	RPTOR	cg06153925	rs72855137	A	G	-0.182	0.029	0.197	5.75E-10	0.005	0.003	0.134	0.010	38.385	TRUE	1.83E-09
FVC	RPTOR	cg06153925	rs72858219	A	G	-0.306	0.028	0.212	5.82E-27	-0.003	0.003	0.334	0.030	115.534	TRUE	5.05E-26
FVC	RPTOR	cg06153925	rs72859613	T	C	0.517	0.073	0.020	1.52E-12	0.010	0.008	0.196	0.013	49.991	TRUE	5.28E-12
FVC	RPTOR	cg06153925	rs76584516	G	A	1.207	0.032	0.118	<1E-200	-0.001	0.004	0.891	0.277	1416.642	TRUE	2.10E-274
FVC	RPTOR	cg06153925	rs8069962	G	A	0.148	0.023	0.471	2.27E-10	0.003	0.002	0.250	0.011	40.198	TRUE	5.97E-10
FVC	RPTOR	cg06153925	rs9894401	A	G	-0.465	0.027	0.255	1.46E-67	0.001	0.003	0.622	0.075	301.459	TRUE	7.17E-65
FVC	RPTOR	cg06153925	rs9895714	C	A	0.360	0.023	0.426	3.31E-55	0.001	0.002	0.692	0.062	244.799	TRUE	2.63E-53
FVC	RPTOR	cg06154633	rs11653319	T	C	-0.150	0.027	0.291	3.47E-08	0.004	0.003	0.132	0.008	30.408	TRUE	9.63E-08
FVC	RPTOR	cg06154633	rs12944674	A	G	-0.226	0.025	0.326	7.60E-20	0.001	0.003	0.680	0.022	83.106	TRUE	2.23E-19
FVC	RPTOR	cg06154633	rs2589129	A	G	-0.381	0.023	0.487	2.43E-62	0.002	0.002	0.312	0.070	277.507	TRUE	1.29E-59
FVC	RPTOR	cg06154633	rs7222906	C	T	0.215	0.029	0.202	1.82E-13	0.001	0.003	0.732	0.014	54.166	TRUE	3.48E-13
FVC	RPTOR	cg06154633	rs77183052	A	G	-1.207	0.170	0.012	1.07E-12	0.016	0.010	0.115	0.014	50.687	TRUE	4.55E-12
FVC	RPTOR	cg06154633	rs9897319	A	G	-0.145	0.025	0.354	7.92E-09	0.002	0.003	0.393	0.009	33.277	TRUE	1.58E-08
FVC	RPTOR	cg06343673	rs12943620	T	G	0.163	0.027	0.225	2.28E-09	0.003	0.003	0.228	0.010	35.700	TRUE	5.85E-09
FVC	RPTOR	cg06343673	rs2090204	T	G	0.250	0.033	0.132	3.97E-14	0.002	0.003	0.649	0.015	57.154	TRUE	8.47E-14
FVC	RPTOR	cg06343673	rs35327093	T	C	0.214	0.029	0.209	2.04E-13	0.005	0.003	0.092	0.014	53.937	TRUE	9.87E-13
FVC	RPTOR	cg06343673	rs4889856	C	T	-0.260	0.023	0.435	6.51E-29	0.001	0.002	0.810	0.033	124.446	TRUE	3.14E-28
FVC	RPTOR	cg06343673	rs60024815	T	A	0.214	0.027	0.251	1.52E-15	-0.002	0.003	0.515	0.017	63.567	TRUE	4.08E-15
FVC	RPTOR	cg06343673	rs61735242	T	C	-0.399	0.039	0.103	1.22E-24	0.003	0.004	0.389	0.028	104.938	TRUE	7.90E-24
FVC	RPTOR	cg06343673	rs72849959	C	A	-0.819	0.059	0.044	7.30E-44	-0.005	0.006	0.376	0.050	192.825	TRUE	3.07E-42
FVC	RPTOR	cg06343673	rs72853728	C	T	-0.260	0.034	0.144	8.28E-15	0.004	0.004	0.243	0.016	60.234	TRUE	3.16E-14
FVC	RPTOR	cg06343673	rs9889802	G	C	-1.168	0.024	0.184	<1E-200	-0.004	0.003	0.156	0.386	2322.301	TRUE	<1E-200
FVC	RPTOR	cg06412669	rs11150746	G	A	0.196	0.025	0.332	3.07E-15	0.001	0.003	0.579	0.017	62.190	TRUE	7.64E-15
FVC	RPTOR	cg06412669	rs4969425	A	G	-0.278	0.025	0.320	2.13E-28	-0.004	0.003	0.124	0.032	122.095	TRUE	3.90E-27

FVC	RPTOR	cg06418238	rs114177791	T	G	-0.333	0.028	0.215	7.55E-32	-0.003	0.003	0.302	0.036	137.855	TRUE	1.10E-30
FVC	RPTOR	cg06418238	rs117117100	A	G	-0.425	0.076	0.024	1.76E-08	-0.006	0.007	0.422	0.009	31.730	TRUE	3.37E-08
FVC	RPTOR	cg06418238	rs117209908	A	G	-0.407	0.050	0.059	6.64E-16	-0.008	0.005	0.107	0.017	65.202	TRUE	3.90E-15
FVC	RPTOR	cg06418238	rs118107399	T	C	1.423	0.147	0.014	4.69E-22	0.001	0.011	0.967	0.025	93.163	TRUE	1.15E-21
FVC	RPTOR	cg06418238	rs11869626	C	A	0.180	0.023	0.476	1.51E-14	0.000	0.002	0.996	0.016	59.050	TRUE	2.39E-14
FVC	RPTOR	cg06418238	rs2672901	T	C	0.423	0.024	0.353	1.22E-68	-0.002	0.003	0.518	0.076	306.412	TRUE	9.06E-66
FVC	RPTOR	cg06418238	rs4561525	A	G	-0.162	0.030	0.192	4.44E-08	0.006	0.003	0.048	0.008	29.931	TRUE	1.52E-07
FVC	RPTOR	cg06418238	rs60513142	A	G	-0.516	0.027	0.249	2.92E-82	0.001	0.003	0.698	0.091	368.911	TRUE	1.25E-78
FVC	RPTOR	cg06418238	rs72853719	T	C	-0.279	0.042	0.090	2.69E-11	0.005	0.004	0.272	0.012	44.369	TRUE	7.42E-11
FVC	RPTOR	cg06418238	rs72856013	A	G	-0.347	0.036	0.120	4.06E-22	0.003	0.004	0.415	0.025	93.449	TRUE	2.03E-21
FVC	RPTOR	cg06418238	rs72859613	T	C	0.515	0.073	0.020	1.79E-12	0.010	0.008	0.196	0.013	49.674	TRUE	6.18E-12
FVC	RPTOR	cg06418238	rs76584516	G	A	1.319	0.031	0.118	<1E-200	-0.001	0.004	0.891	0.327	1796.694	TRUE	<1E-200
FVC	RPTOR	cg06418238	rs8069962	G	A	0.209	0.023	0.471	1.99E-19	0.003	0.002	0.250	0.021	81.209	TRUE	1.06E-18
FVC	RPTOR	cg06418238	rs9895714	C	A	0.383	0.023	0.426	8.58E-63	0.001	0.002	0.692	0.070	279.584	TRUE	1.82E-60
FVC	RPTOR	cg06443231	rs1471791	A	G	-0.218	0.029	0.199	7.59E-14	0.005	0.003	0.087	0.015	55.878	TRUE	3.91E-13
FVC	RPTOR	cg06469955	rs11150762	T	C	-0.240	0.031	0.166	9.34E-15	-0.005	0.003	0.102	0.016	59.999	TRUE	5.07E-14
FVC	RPTOR	cg06469955	rs1137045	G	A	-0.142	0.023	0.472	7.53E-10	-0.004	0.002	0.148	0.010	37.857	TRUE	2.32E-09
FVC	RPTOR	cg06469955	rs4969285	G	C	-0.163	0.025	0.333	1.02E-10	0.001	0.003	0.613	0.011	41.753	TRUE	1.88E-10
FVC	RPTOR	cg06469955	rs4969303	A	G	-1.063	0.030	0.132	3.05E-273	-0.003	0.004	0.420	0.252	1246.728	TRUE	9.52E-244
FVC	RPTOR	cg06469955	rs72857988	T	C	-0.403	0.050	0.050	8.41E-16	0.003	0.005	0.527	0.017	64.737	TRUE	2.31E-15
FVC	RPTOR	cg06469955	rs868432	A	G	0.331	0.023	0.444	2.37E-46	0.002	0.002	0.440	0.052	204.219	TRUE	1.18E-44
FVC	RPTOR	cg06469955	rs9897841	C	T	0.220	0.024	0.498	1.93E-20	0.002	0.002	0.389	0.023	85.815	TRUE	8.64E-20
FVC	RPTOR	cg06469955	rs9915393	G	C	0.292	0.027	0.258	1.38E-27	-0.001	0.003	0.730	0.031	118.384	TRUE	6.59E-27
FVC	RPTOR	cg06617879	rs2289762	A	G	0.357	0.026	0.245	1.47E-41	0.003	0.003	0.258	0.047	182.280	TRUE	6.46E-40
FVC	RPTOR	cg06617879	rs868432	A	G	0.139	0.023	0.444	2.00E-09	0.002	0.002	0.440	0.010	35.959	TRUE	4.03E-09
FVC	RPTOR	cg06673969	rs117429647	G	A	-0.668	0.060	0.039	6.74E-29	-0.002	0.006	0.725	0.033	124.377	TRUE	3.62E-28
FVC	RPTOR	cg06872548	rs114177791	T	G	-0.373	0.028	0.215	9.24E-40	-0.003	0.003	0.302	0.045	174.044	TRUE	3.03E-38
FVC	RPTOR	cg06872548	rs11651724	A	G	-0.366	0.037	0.117	3.10E-23	-0.002	0.004	0.626	0.026	98.541	TRUE	1.24E-22
FVC	RPTOR	cg06872548	rs118099953	T	C	-0.829	0.063	0.036	9.42E-40	-0.007	0.006	0.246	0.045	174.004	TRUE	3.66E-38
FVC	RPTOR	cg06872548	rs118107399	T	C	1.287	0.148	0.014	2.97E-18	0.001	0.011	0.967	0.020	75.872	TRUE	5.84E-18
FVC	RPTOR	cg06872548	rs12945810	T	C	0.313	0.024	0.413	1.72E-40	-0.001	0.002	0.573	0.046	177.383	TRUE	3.47E-39
FVC	RPTOR	cg06872548	rs35904260	G	A	0.296	0.023	0.445	6.37E-37	-0.001	0.002	0.713	0.042	161.054	TRUE	7.01E-36
FVC	RPTOR	cg06872548	rs57673311	C	G	-0.667	0.026	0.249	2.05E-141	0.001	0.003	0.660	0.148	640.625	TRUE	2.88E-132
FVC	RPTOR	cg06872548	rs62067876	A	G	0.276	0.042	0.086	4.22E-11	0.010	0.004	0.020	0.012	43.486	TRUE	2.50E-10
FVC	RPTOR	cg06872548	rs62067893	T	C	-0.577	0.069	0.037	9.31E-17	0.002	0.007	0.728	0.018	69.073	TRUE	2.15E-16
FVC	RPTOR	cg06872548	rs7217825	C	T	1.116	0.034	0.119	3.00E-232	0.001	0.004	0.822	0.222	1058.212	TRUE	9.14E-211
FVC	RPTOR	cg06872548	rs72856013	A	G	-0.368	0.036	0.120	9.72E-25	0.003	0.004	0.415	0.028	105.395	TRUE	5.98E-24
FVC	RPTOR	cg06908052	rs12951596	T	C	-0.367	0.033	0.134	5.05E-29	-0.002	0.003	0.627	0.033	124.948	TRUE	3.21E-28
FVC	RPTOR	cg06975080	rs11150741	G	A	0.299	0.025	0.366	2.67E-34	0.002	0.003	0.526	0.039	149.060	TRUE	3.15E-33
FVC	RPTOR	cg06975080	rs1131609	A	G	0.158	0.027	0.243	3.17E-09	0.003	0.003	0.371	0.009	35.058	TRUE	6.70E-09
FVC	RPTOR	cg06975080	rs117559611	C	T	0.260	0.030	0.194	2.41E-18	0.005	0.003	0.089	0.020	76.282	TRUE	1.89E-17
FVC	RPTOR	cg06975080	rs567883407	G	A	0.642	0.110	0.018	5.91E-09	0.004	0.026	0.879	0.009	33.847	TRUE	8.07E-09

FVC	RPTOR	cg06975080	rs57678654	T	C	0.165	0.024	0.380	6.99E-12	0.002	0.002	0.498	0.013	47.006	TRUE	1.57E-11
FVC	RPTOR	cg06975080	rs61391154	T	G	-0.526	0.024	0.340	1.20E-106	-0.005	0.003	0.033	0.115	480.896	TRUE	1.60E-99
FVC	RPTOR	cg06975080	rs7207154	C	T	0.292	0.052	0.131	1.68E-08	-0.001	0.004	0.803	0.009	31.820	TRUE	2.37E-08
FVC	RPTOR	cg06975080	rs72851580	T	A	-0.376	0.057	0.048	5.71E-11	-0.006	0.006	0.302	0.011	42.896	TRUE	1.49E-10
FVC	RPTOR	cg06975080	rs76315174	G	A	-0.399	0.062	0.054	9.72E-11	0.005	0.005	0.308	0.011	41.854	TRUE	2.46E-10
FVC	RPTOR	cg07078467	rs7215994	G	A	-0.153	0.024	0.333	3.97E-10	0.004	0.003	0.156	0.010	39.107	TRUE	1.21E-09
FVC	RPTOR	cg07081946	rs3751940	T	C	0.204	0.024	0.391	2.04E-17	0.003	0.002	0.190	0.019	72.062	TRUE	1.06E-16
FVC	RPTOR	cg07126783	rs114177791	T	G	0.179	0.029	0.215	3.75E-10	-0.003	0.003	0.302	0.010	39.219	TRUE	9.18E-10
FVC	RPTOR	cg07126783	rs4969426	A	T	0.177	0.024	0.375	1.16E-13	0.000	0.002	0.963	0.015	55.039	TRUE	1.82E-13
FVC	RPTOR	cg07126783	rs67583258	T	C	0.276	0.027	0.249	6.61E-24	0.001	0.003	0.659	0.027	101.599	TRUE	2.68E-23
FVC	RPTOR	cg07126783	rs7217174	T	C	-0.252	0.029	0.201	1.21E-17	0.002	0.003	0.605	0.019	73.101	TRUE	3.34E-17
FVC	RPTOR	cg07126783	rs72853774	G	T	0.189	0.034	0.138	2.89E-08	0.004	0.003	0.307	0.008	30.764	TRUE	6.16E-08
FVC	RPTOR	cg07126783	rs75747760	T	C	-0.349	0.041	0.088	3.41E-17	0.010	0.004	0.015	0.019	71.051	TRUE	4.25E-16
FVC	RPTOR	cg07434008	rs35612742	C	A	-0.195	0.028	0.225	4.46E-12	-0.002	0.003	0.510	0.013	47.885	TRUE	9.93E-12
FVC	RPTOR	cg07434008	rs3751938	C	T	0.189	0.025	0.326	4.65E-14	0.005	0.003	0.081	0.015	56.841	TRUE	2.50E-13
FVC	RPTOR	cg07434008	rs62068550	A	G	0.238	0.034	0.143	2.97E-12	-0.001	0.004	0.839	0.013	48.679	TRUE	4.85E-12
FVC	RPTOR	cg07434008	rs6565484	C	T	-0.415	0.022	0.485	3.71E-77	0.003	0.002	0.170	0.085	345.486	TRUE	3.73E-73
FVC	RPTOR	cg07786220	rs118107399	T	C	0.892	0.149	0.014	1.96E-09	0.001	0.011	0.967	0.010	35.991	TRUE	2.57E-09
FVC	RPTOR	cg07786220	rs146082177	A	G	0.447	0.082	0.023	4.97E-08	0.013	0.008	0.121	0.008	29.713	TRUE	1.37E-07
FVC	RPTOR	cg07786220	rs1471791	A	G	0.692	0.029	0.199	1.87E-129	0.005	0.003	0.087	0.137	585.669	TRUE	2.23E-120
FVC	RPTOR	cg07786220	rs4969429	A	G	0.204	0.026	0.273	1.12E-14	-0.001	0.003	0.698	0.016	59.636	TRUE	2.35E-14
FVC	RPTOR	cg07786220	rs55735336	T	C	-0.216	0.037	0.114	5.68E-09	0.002	0.004	0.601	0.009	33.923	TRUE	9.53E-09
FVC	RPTOR	cg07786220	rs62067893	T	C	-0.397	0.070	0.037	1.21E-08	0.002	0.007	0.728	0.009	32.450	TRUE	1.82E-08
FVC	RPTOR	cg07786220	rs62069404	T	C	0.355	0.055	0.051	1.18E-10	0.007	0.006	0.203	0.011	41.467	TRUE	3.49E-10
FVC	RPTOR	cg07786220	rs7207843	C	T	-0.220	0.029	0.204	6.08E-14	-0.002	0.003	0.417	0.015	56.314	TRUE	1.66E-13
FVC	RPTOR	cg07786220	rs72856006	G	C	-0.263	0.036	0.120	2.45E-13	0.003	0.004	0.392	0.014	53.579	TRUE	6.72E-13
FVC	RPTOR	cg07786220	rs74003912	A	G	0.190	0.030	0.199	1.54E-10	-0.003	0.003	0.337	0.011	40.952	TRUE	3.73E-10
FVC	RPTOR	cg07786220	rs9894401	A	G	-0.303	0.027	0.255	8.17E-29	0.001	0.003	0.622	0.032	123.993	TRUE	5.01E-28
FVC	RPTOR	cg08314949	rs113714895	T	C	0.290	0.043	0.080	1.19E-11	-0.005	0.004	0.214	0.012	45.968	TRUE	3.75E-11
FVC	RPTOR	cg08314949	rs118120008	A	G	-0.578	0.104	0.013	2.78E-08	0.012	0.010	0.235	0.008	30.835	TRUE	6.49E-08
FVC	RPTOR	cg08314949	rs12939768	T	A	-1.166	0.020	0.226	<1E-200	0.000	0.003	0.930	0.471	3298.895	TRUE	<1E-200
FVC	RPTOR	cg08314949	rs142546211	A	G	-0.756	0.109	0.019	3.24E-12	0.001	0.008	0.900	0.013	48.513	TRUE	5.01E-12
FVC	RPTOR	cg08314949	rs183036865	A	G	0.495	0.056	0.041	1.48E-18	-0.005	0.006	0.425	0.020	77.249	TRUE	5.54E-18
FVC	RPTOR	cg08314949	rs183706698	C	T	0.777	0.026	0.218	8.95E-193	0.003	0.003	0.311	0.192	876.710	TRUE	2.04E-176
FVC	RPTOR	cg08314949	rs2289764	C	T	-0.261	0.027	0.241	2.28E-21	0.004	0.003	0.178	0.024	90.040	TRUE	1.75E-20
FVC	RPTOR	cg08314949	rs4969219	G	T	-0.134	0.024	0.388	3.07E-08	0.001	0.002	0.803	0.008	30.647	TRUE	4.29E-08
FVC	RPTOR	cg08314949	rs62075432	A	G	-0.154	0.027	0.261	1.44E-08	-0.006	0.003	0.030	0.009	32.116	TRUE	5.84E-08
FVC	RPTOR	cg08314949	rs72850524	T	C	0.484	0.064	0.037	3.26E-14	0.011	0.006	0.076	0.015	57.539	TRUE	1.85E-13
FVC	RPTOR	cg08314949	rs72859646	T	C	-0.889	0.068	0.026	2.55E-39	0.006	0.007	0.399	0.044	172.025	TRUE	6.32E-38
FVC	RPTOR	cg08314949	rs76300060	G	A	-0.272	0.047	0.065	1.04E-08	0.011	0.005	0.022	0.009	32.744	TRUE	4.58E-08
FVC	RPTOR	cg08314949	rs9905501	T	C	0.257	0.025	0.341	4.45E-25	0.001	0.003	0.699	0.028	106.942	TRUE	1.88E-24
FVC	RPTOR	cg08329754	rs11150745	G	A	-0.324	0.025	0.314	4.06E-38	0.003	0.003	0.217	0.043	166.524	TRUE	1.44E-36

FVC	RPTOR	cg08329754	rs12943620	T	G	-0.178	0.027	0.225	5.13E-11	0.003	0.003	0.228	0.012	43.105	TRUE	1.50E-10
FVC	RPTOR	cg08329754	rs7210110	A	G	-0.357	0.029	0.200	4.54E-34	0.001	0.003	0.678	0.038	148.005	TRUE	3.98E-33
FVC	RPTOR	cg08329754	rs77420162	A	G	-0.352	0.062	0.040	1.50E-08	0.010	0.006	0.079	0.009	32.031	TRUE	4.81E-08
FVC	RPTOR	cg08329754	rs8080789	A	G	0.532	0.036	0.118	1.55E-48	0.001	0.004	0.833	0.055	214.226	TRUE	4.47E-47
FVC	RPTOR	cg08454507	rs11651724	A	G	-0.317	0.037	0.117	9.32E-18	-0.002	0.004	0.626	0.020	73.612	TRUE	2.57E-17
FVC	RPTOR	cg08454507	rs117209908	A	G	-0.467	0.050	0.059	1.68E-20	-0.008	0.005	0.107	0.023	86.086	TRUE	1.51E-19
FVC	RPTOR	cg08454507	rs117620031	C	T	-0.558	0.101	0.014	3.85E-08	0.007	0.009	0.444	0.008	30.209	TRUE	7.05E-08
FVC	RPTOR	cg08454507	rs118107399	T	C	1.290	0.148	0.014	2.51E-18	0.001	0.011	0.967	0.020	76.200	TRUE	4.96E-18
FVC	RPTOR	cg08454507	rs11869626	C	A	0.151	0.023	0.476	1.01E-10	0.000	0.002	0.996	0.011	41.776	TRUE	1.36E-10
FVC	RPTOR	cg08454507	rs12945810	T	C	0.373	0.023	0.413	2.48E-57	-0.001	0.002	0.573	0.064	254.542	TRUE	3.51E-55
FVC	RPTOR	cg08454507	rs2004184	C	T	-0.162	0.026	0.265	6.71E-10	0.004	0.003	0.177	0.010	38.082	TRUE	1.94E-09
FVC	RPTOR	cg08454507	rs35904260	G	A	0.297	0.023	0.445	3.10E-37	-0.001	0.002	0.713	0.042	162.482	TRUE	3.52E-36
FVC	RPTOR	cg08454507	rs62067893	T	C	-0.572	0.069	0.037	1.63E-16	0.002	0.007	0.728	0.018	67.973	TRUE	3.70E-16
FVC	RPTOR	cg08454507	rs72856013	A	G	-0.403	0.036	0.120	1.96E-29	0.003	0.004	0.415	0.033	126.827	TRUE	1.80E-28
FVC	RPTOR	cg08454507	rs72858219	A	G	-0.379	0.028	0.212	1.13E-40	-0.003	0.003	0.334	0.046	178.221	TRUE	3.75E-39
FVC	RPTOR	cg08454507	rs8080789	A	G	1.021	0.035	0.118	9.62E-190	0.001	0.004	0.833	0.189	862.774	TRUE	9.55E-175
FVC	RPTOR	cg08454507	rs9911979	A	G	-0.695	0.026	0.249	8.73E-155	0.001	0.003	0.612	0.160	702.079	TRUE	5.24E-144
FVC	RPTOR	cg08939850	rs11150745	G	A	-0.255	0.025	0.314	4.99E-24	0.003	0.003	0.217	0.027	102.156	TRUE	4.37E-23
FVC	RPTOR	cg08939850	rs114177791	T	G	0.173	0.028	0.215	1.16E-09	-0.003	0.003	0.302	0.010	37.016	TRUE	2.74E-09
FVC	RPTOR	cg08939850	rs138464941	C	T	0.366	0.066	0.028	3.53E-08	0.010	0.007	0.139	0.008	30.374	TRUE	9.49E-08
FVC	RPTOR	cg08939850	rs4969429	A	G	0.160	0.026	0.273	1.42E-09	-0.001	0.003	0.698	0.010	36.627	TRUE	2.26E-09
FVC	RPTOR	cg08939850	rs62070202	T	C	-0.230	0.042	0.079	4.54E-08	0.008	0.004	0.087	0.008	29.889	TRUE	1.37E-07
FVC	RPTOR	cg08939850	rs7217174	T	C	-0.317	0.029	0.201	3.03E-27	0.002	0.003	0.605	0.031	116.831	TRUE	1.67E-26
FVC	RPTOR	cg09001356	rs11150745	G	A	-0.292	0.025	0.314	3.04E-31	0.003	0.003	0.217	0.035	135.091	TRUE	5.26E-30
FVC	RPTOR	cg09001356	rs35926934	A	G	0.364	0.037	0.117	3.88E-23	-0.001	0.004	0.811	0.026	98.098	TRUE	1.22E-22
FVC	RPTOR	cg09001356	rs62070202	T	C	-0.331	0.042	0.079	2.37E-15	0.008	0.004	0.087	0.017	62.694	TRUE	1.44E-14
FVC	RPTOR	cg09001356	rs7210110	A	G	-0.430	0.029	0.200	4.56E-49	0.001	0.003	0.678	0.055	216.664	TRUE	1.81E-47
FVC	RPTOR	cg09175325	rs35904260	G	A	0.138	0.023	0.445	3.90E-09	-0.001	0.002	0.713	0.009	34.657	TRUE	6.09E-09
FVC	RPTOR	cg09175325	rs62067239	T	C	-0.284	0.041	0.090	3.88E-12	0.009	0.004	0.026	0.013	48.157	TRUE	2.39E-11
FVC	RPTOR	cg09175325	rs7212125	G	A	0.241	0.037	0.120	4.58E-11	0.000	0.004	0.912	0.012	43.324	TRUE	6.66E-11
FVC	RPTOR	cg09175325	rs9904611	A	G	-0.211	0.027	0.254	8.38E-15	0.000	0.003	0.891	0.016	60.211	TRUE	1.49E-14
FVC	RPTOR	cg09516200	rs10468603	C	T	0.198	0.024	0.413	1.70E-16	0.006	0.002	0.021	0.018	67.885	TRUE	1.83E-15
FVC	RPTOR	cg09516200	rs11150746	G	A	0.218	0.025	0.332	2.16E-18	0.001	0.003	0.579	0.020	76.495	TRUE	6.61E-18
FVC	RPTOR	cg09516200	rs4072746	T	C	-0.236	0.038	0.115	6.28E-10	0.001	0.004	0.808	0.010	38.211	TRUE	9.41E-10
FVC	RPTOR	cg09516200	rs4516281	T	C	-0.375	0.044	0.076	1.88E-17	-0.012	0.004	0.007	0.019	72.223	TRUE	2.98E-16
FVC	RPTOR	cg09516200	rs4522458	T	C	-0.176	0.027	0.238	1.35E-10	0.004	0.003	0.116	0.011	41.211	TRUE	4.75E-10
FVC	RPTOR	cg09516200	rs4969404	T	C	-0.338	0.024	0.402	1.34E-45	-0.001	0.002	0.644	0.051	200.778	TRUE	3.92E-44
FVC	RPTOR	cg09516200	rs7213432	G	A	-0.340	0.052	0.057	7.12E-11	-0.006	0.005	0.220	0.011	42.462	TRUE	2.09E-10
FVC	RPTOR	cg09592546	rs118107399	T	C	-1.409	0.147	0.014	1.23E-21	0.001	0.011	0.967	0.024	91.257	TRUE	2.94E-21
FVC	RPTOR	cg09592546	rs144987811	A	G	-1.082	0.186	0.010	6.40E-09	-0.013	0.013	0.345	0.009	33.692	TRUE	1.37E-08
FVC	RPTOR	cg09592546	rs2019040	A	T	0.205	0.033	0.133	6.17E-10	0.001	0.003	0.686	0.010	38.248	TRUE	1.03E-09
FVC	RPTOR	cg09592546	rs2672871	C	G	0.186	0.030	0.187	6.46E-10	0.002	0.003	0.488	0.010	38.156	TRUE	1.28E-09

FVC	RPTOR	cg09592546	rs2672901	T	C	-0.390	0.024	0.353	3.15E-58	-0.002	0.003	0.518	0.065	258.652	TRUE	5.46E-56
FVC	RPTOR	cg09592546	rs4889782	C	T	-0.349	0.024	0.402	3.55E-47	-0.003	0.002	0.282	0.053	207.998	TRUE	2.90E-45
FVC	RPTOR	cg09592546	rs57677341	G	A	-1.126	0.030	0.137	<1E-200	-0.003	0.004	0.429	0.278	1422.024	TRUE	2.38E-274
FVC	RPTOR	cg09592546	rs72853757	C	T	0.208	0.033	0.146	3.72E-10	0.003	0.003	0.363	0.010	39.236	TRUE	8.46E-10
FVC	RPTOR	cg09592546	rs74002861	C	A	0.262	0.043	0.078	1.54E-09	0.006	0.004	0.213	0.010	36.462	TRUE	4.09E-09
FVC	RPTOR	cg09592546	rs8069962	G	A	-0.320	0.023	0.471	6.24E-44	0.003	0.002	0.250	0.050	193.134	TRUE	3.67E-42
FVC	RPTOR	cg09592546	rs8079537	G	A	-0.399	0.023	0.443	3.36E-67	0.002	0.002	0.334	0.075	299.800	TRUE	3.40E-64
FVC	RPTOR	cg09596252	rs112401820	A	G	-0.451	0.069	0.065	4.48E-11	0.004	0.005	0.386	0.012	43.369	TRUE	1.06E-10
FVC	RPTOR	cg09596252	rs34713877	A	G	0.563	0.091	0.036	6.86E-10	0.002	0.006	0.800	0.010	38.040	TRUE	1.03E-09
FVC	RPTOR	cg09596252	rs4890056	C	T	0.211	0.022	0.447	5.90E-21	0.002	0.002	0.366	0.023	88.156	TRUE	2.85E-20
FVC	RPTOR	cg09794615	rs2271607	C	T	0.486	0.028	0.220	1.79E-65	-0.001	0.003	0.722	0.073	291.882	TRUE	5.22E-63
FVC	RPTOR	cg09794615	rs2340773	T	C	-0.229	0.037	0.116	8.92E-10	0.001	0.004	0.751	0.010	37.528	TRUE	1.39E-09
FVC	RPTOR	cg09794615	rs55833830	A	C	-0.208	0.028	0.235	1.90E-13	0.002	0.003	0.490	0.014	54.081	TRUE	4.64E-13
FVC	RPTOR	cg09794615	rs7502001	G	T	-0.295	0.034	0.132	5.37E-18	-0.003	0.004	0.460	0.020	74.700	TRUE	1.86E-17
FVC	RPTOR	cg09803959	rs11868966	C	A	1.035	0.028	0.167	1.73E-302	0.002	0.003	0.482	0.273	1385.829	TRUE	3.30E-268
FVC	RPTOR	cg09803959	rs12603933	G	A	-0.136	0.024	0.467	8.70E-09	-0.005	0.002	0.053	0.009	33.095	TRUE	3.14E-08
FVC	RPTOR	cg09803959	rs143673290	A	G	0.539	0.089	0.039	1.36E-09	0.003	0.007	0.687	0.010	36.700	TRUE	2.21E-09
FVC	RPTOR	cg09803959	rs149099062	A	G	0.978	0.140	0.015	2.40E-12	0.021	0.010	0.029	0.013	49.096	TRUE	1.48E-11
FVC	RPTOR	cg09803959	rs56273414	C	T	0.213	0.033	0.146	1.40E-10	0.003	0.003	0.371	0.011	41.148	TRUE	3.21E-10
FVC	RPTOR	cg09803959	rs62068487	A	G	-0.263	0.025	0.319	1.75E-25	0.000	0.003	0.923	0.029	108.794	TRUE	5.51E-25
FVC	RPTOR	cg09803959	rs7225916	G	T	0.157	0.026	0.272	2.95E-09	-0.001	0.003	0.691	0.009	35.201	TRUE	4.66E-09
FVC	RPTOR	cg09803959	rs72850551	A	G	0.448	0.065	0.036	7.28E-12	0.004	0.006	0.525	0.013	46.925	TRUE	1.56E-11
FVC	RPTOR	cg09803959	rs7502841	A	G	0.321	0.027	0.232	1.03E-31	-0.001	0.003	0.851	0.036	137.248	TRUE	5.72E-31
FVC	RPTOR	cg09803959	rs77183052	A	G	0.941	0.170	0.012	3.18E-08	0.016	0.010	0.115	0.008	30.581	TRUE	9.02E-08
FVC	RPTOR	cg09929238	rs138537551	T	C	-0.309	0.045	0.070	6.90E-12	-0.011	0.004	0.016	0.013	47.030	TRUE	4.76E-11
FVC	RPTOR	cg09929238	rs1567961	C	T	-0.160	0.024	0.392	1.61E-11	0.000	0.002	0.934	0.012	45.365	TRUE	2.36E-11
FVC	RPTOR	cg09929238	rs62068268	T	C	-0.363	0.041	0.090	9.76E-19	0.010	0.004	0.016	0.021	78.065	TRUE	1.47E-17
FVC	RPTOR	cg09929238	rs62070201	A	G	0.341	0.044	0.069	7.02E-15	0.000	0.005	0.997	0.016	60.559	TRUE	1.13E-14
FVC	RPTOR	cg09929238	rs8076974	G	A	0.447	0.026	0.263	4.60E-64	-0.002	0.003	0.490	0.072	285.410	TRUE	1.92E-61
FVC	RPTOR	cg09929238	rs9890103	C	G	-0.164	0.024	0.353	2.47E-11	0.001	0.003	0.745	0.012	44.531	TRUE	4.17E-11
FVC	RPTOR	cg09977718	rs113059224	A	G	-0.261	0.043	0.070	1.36E-09	-0.001	0.004	0.735	0.010	36.707	TRUE	2.12E-09
FVC	RPTOR	cg09977718	rs113714895	T	C	-0.387	0.043	0.080	1.24E-19	-0.005	0.004	0.214	0.022	82.141	TRUE	7.51E-19
FVC	RPTOR	cg09977718	rs12103906	T	C	0.211	0.024	0.419	1.20E-18	-0.001	0.002	0.551	0.021	77.652	TRUE	3.81E-18
FVC	RPTOR	cg09977718	rs12602601	T	G	0.335	0.025	0.309	6.92E-41	0.001	0.003	0.735	0.046	179.194	TRUE	1.07E-39
FVC	RPTOR	cg09977718	rs183036865	A	G	-0.351	0.056	0.041	4.78E-10	-0.005	0.006	0.425	0.010	38.744	TRUE	1.01E-09
FVC	RPTOR	cg09977718	rs2289762	A	G	-0.772	0.025	0.245	5.15E-205	0.003	0.003	0.258	0.201	932.985	TRUE	1.04E-186
FVC	RPTOR	cg09977718	rs2289764	C	T	0.265	0.027	0.241	4.61E-22	0.004	0.003	0.178	0.025	93.198	TRUE	3.78E-21
FVC	RPTOR	cg09977718	rs36022926	T	A	0.163	0.027	0.250	1.47E-09	0.000	0.003	0.879	0.010	36.560	TRUE	2.05E-09
FVC	RPTOR	cg09977718	rs60323363	A	G	-0.174	0.024	0.412	1.56E-13	-0.003	0.002	0.298	0.015	54.464	TRUE	4.92E-13
FVC	RPTOR	cg09977718	rs72850524	T	C	-0.363	0.064	0.037	1.32E-08	0.011	0.006	0.076	0.009	32.283	TRUE	4.35E-08
FVC	RPTOR	cg09977718	rs9897319	A	G	-0.304	0.025	0.354	3.93E-34	0.002	0.003	0.393	0.039	148.296	TRUE	5.74E-33
FVC	RPTOR	cg10035831	rs11548824	A	G	-0.235	0.034	0.154	2.64E-12	-0.002	0.003	0.622	0.013	48.914	TRUE	5.28E-12

FVC	RPTOR	cg10035831	rs11656061	A	G	-0.541	0.023	0.436	8.92E-122	-0.001	0.002	0.609	0.130	550.388	TRUE	1.19E-114
FVC	RPTOR	cg10035831	rs11658145	C	T	0.162	0.027	0.246	2.05E-09	0.007	0.003	0.009	0.010	35.906	TRUE	1.17E-08
FVC	RPTOR	cg10035831	rs11869318	C	T	0.146	0.024	0.470	6.63E-10	-0.002	0.002	0.310	0.010	38.106	TRUE	1.56E-09
FVC	RPTOR	cg10035831	rs12936701	C	A	0.418	0.039	0.105	2.16E-27	0.004	0.004	0.375	0.031	117.498	TRUE	1.79E-26
FVC	RPTOR	cg10035831	rs13341621	A	G	0.570	0.050	0.080	1.50E-30	0.004	0.005	0.359	0.034	131.925	TRUE	1.70E-29
FVC	RPTOR	cg10035831	rs149099062	A	G	1.065	0.139	0.015	2.24E-14	0.021	0.010	0.029	0.016	58.275	TRUE	1.71E-13
FVC	RPTOR	cg10035831	rs2289766	G	A	1.063	0.027	0.167	<1E-200	0.002	0.003	0.578	0.288	1499.193	TRUE	5.94E-288
FVC	RPTOR	cg10035831	rs4969236	C	T	-0.281	0.023	0.495	2.77E-33	-0.001	0.002	0.713	0.038	144.414	TRUE	2.20E-32
FVC	RPTOR	cg10035831	rs62068550	A	G	-0.218	0.035	0.143	3.42E-10	-0.001	0.004	0.839	0.011	39.397	TRUE	5.07E-10
FVC	RPTOR	cg10035831	rs66463810	A	G	-0.160	0.025	0.340	1.00E-10	-0.005	0.003	0.035	0.011	41.790	TRUE	4.88E-10
FVC	RPTOR	cg10035831	rs7220687	C	T	0.236	0.026	0.289	6.70E-20	-0.002	0.003	0.531	0.022	83.356	TRUE	2.46E-19
FVC	RPTOR	cg10035831	rs72853711	C	T	0.211	0.037	0.115	1.07E-08	0.007	0.004	0.062	0.009	32.686	TRUE	3.73E-08
FVC	RPTOR	cg10035831	rs7502321	C	T	0.197	0.024	0.386	2.18E-16	0.000	0.002	0.933	0.018	67.395	TRUE	4.02E-16
FVC	RPTOR	cg10281768	rs10468603	C	T	-0.409	0.024	0.413	3.70E-67	0.006	0.002	0.021	0.075	299.606	TRUE	3.44E-63
FVC	RPTOR	cg10281768	rs117635805	T	A	0.337	0.042	0.083	1.00E-15	-0.010	0.004	0.018	0.017	64.396	TRUE	1.02E-14
FVC	RPTOR	cg10281768	rs118065301	A	G	0.732	0.109	0.026	2.17E-11	0.003	0.007	0.740	0.012	44.782	TRUE	3.72E-11
FVC	RPTOR	cg10281768	rs12936509	G	A	0.337	0.040	0.092	2.09E-17	-0.003	0.004	0.474	0.019	72.019	TRUE	6.76E-17
FVC	RPTOR	cg10281768	rs4969429	A	G	-0.240	0.026	0.273	7.22E-20	-0.001	0.003	0.698	0.022	83.209	TRUE	2.07E-19
FVC	RPTOR	cg10281768	rs62068358	G	A	-0.263	0.041	0.092	1.45E-10	0.010	0.004	0.019	0.011	41.075	TRUE	8.22E-10
FVC	RPTOR	cg10281768	rs74002883	T	G	-0.222	0.031	0.173	6.18E-13	-0.002	0.003	0.447	0.014	51.761	TRUE	1.52E-12
FVC	RPTOR	cg10281768	rs746405	G	T	-0.146	0.024	0.418	1.16E-09	0.002	0.002	0.438	0.010	37.020	TRUE	2.37E-09
FVC	RPTOR	cg10281768	rs9893680	G	T	-0.198	0.024	0.383	2.56E-16	0.001	0.003	0.571	0.018	67.080	TRUE	6.83E-16
FVC	RPTOR	cg10490202	rs1045626	T	C	-0.213	0.024	0.467	2.26E-19	-0.001	0.002	0.654	0.021	80.952	TRUE	6.77E-19
FVC	RPTOR	cg10490202	rs113714895	T	C	-0.265	0.043	0.080	5.09E-10	-0.005	0.004	0.214	0.010	38.621	TRUE	1.41E-09
FVC	RPTOR	cg10490202	rs11656246	A	G	-0.466	0.026	0.241	4.27E-70	0.003	0.003	0.328	0.078	313.086	TRUE	6.76E-67
FVC	RPTOR	cg10490202	rs2289764	C	T	0.359	0.027	0.241	1.03E-39	0.004	0.003	0.178	0.045	173.834	TRUE	5.01E-38
FVC	RPTOR	cg10490202	rs908236	C	G	0.277	0.025	0.351	1.39E-29	-0.002	0.003	0.385	0.033	127.511	TRUE	1.39E-28
FVC	RPTOR	cg10508138	rs1012117	A	G	-0.310	0.025	0.313	1.27E-36	0.002	0.003	0.459	0.041	159.683	TRUE	2.16E-35
FVC	RPTOR	cg10508138	rs113714895	T	C	-0.236	0.042	0.080	2.18E-08	-0.005	0.004	0.214	0.008	31.313	TRUE	5.29E-08
FVC	RPTOR	cg10538214	rs112661218	A	C	-0.373	0.027	0.221	7.37E-42	0.003	0.003	0.373	0.047	183.645	TRUE	2.54E-40
FVC	RPTOR	cg10538214	rs2271612	C	T	-0.145	0.023	0.480	5.97E-10	0.001	0.002	0.764	0.010	38.311	TRUE	9.25E-10
FVC	RPTOR	cg10585621	rs9909563	T	A	-0.196	0.027	0.269	3.21E-13	-0.001	0.003	0.727	0.014	53.049	TRUE	6.18E-13
FVC	RPTOR	cg10693767	rs72852801	A	G	0.257	0.044	0.076	5.11E-09	0.005	0.005	0.310	0.009	34.130	TRUE	1.14E-08
FVC	RPTOR	cg10693767	rs9890864	G	A	-0.211	0.030	0.189	2.63E-12	-0.004	0.003	0.193	0.013	48.917	TRUE	9.02E-12
FVC	RPTOR	cg10752731	rs11868966	C	A	-0.178	0.032	0.167	2.08E-08	0.002	0.003	0.482	0.008	31.404	TRUE	3.78E-08
FVC	RPTOR	cg10752731	rs138099755	A	G	-0.977	0.161	0.012	1.31E-09	-0.007	0.010	0.482	0.010	36.785	TRUE	2.54E-09
FVC	RPTOR	cg10752731	rs7220687	C	T	-0.170	0.026	0.289	5.87E-11	-0.002	0.003	0.531	0.011	42.841	TRUE	1.20E-10
FVC	RPTOR	cg10880603	rs4969293	A	T	0.198	0.028	0.211	2.52E-12	0.003	0.003	0.392	0.013	49.005	TRUE	6.44E-12
FVC	RPTOR	cg11153071	rs2291360	A	G	0.325	0.025	0.367	1.18E-39	0.001	0.003	0.723	0.045	173.552	TRUE	1.66E-38
FVC	RPTOR	cg11153071	rs62069685	C	G	-0.319	0.041	0.091	8.37E-15	0.009	0.004	0.038	0.016	60.214	TRUE	6.20E-14
FVC	RPTOR	cg11153071	rs7209452	A	G	0.185	0.029	0.203	1.91E-10	0.000	0.003	0.886	0.011	40.535	TRUE	2.75E-10
FVC	RPTOR	cg11222173	rs2291360	A	G	0.300	0.025	0.367	4.84E-34	0.001	0.003	0.723	0.038	147.882	TRUE	4.03E-33

FVC	RPTOR	cg11303920	rs12951739	T	G	0.255	0.023	0.455	5.39E-28	0.002	0.002	0.425	0.031	120.253	TRUE	4.27E-27
FVC	RPTOR	cg11303920	rs4889881	C	T	-0.323	0.037	0.114	3.64E-18	0.000	0.004	0.922	0.020	75.468	TRUE	7.50E-18
FVC	RPTOR	cg11476241	rs11656246	A	G	-0.347	0.027	0.241	8.96E-39	0.003	0.003	0.328	0.044	169.528	TRUE	2.42E-37
FVC	RPTOR	cg11476241	rs149099062	A	G	0.929	0.140	0.015	3.00E-11	0.021	0.010	0.029	0.012	44.153	TRUE	1.64E-10
FVC	RPTOR	cg11476241	rs2280146	G	A	0.872	0.025	0.218	2.58E-275	0.003	0.003	0.302	0.254	1256.256	TRUE	4.19E-245
FVC	RPTOR	cg11476241	rs56273414	C	T	0.194	0.033	0.146	5.05E-09	0.003	0.003	0.371	0.009	34.153	TRUE	1.05E-08
FVC	RPTOR	cg11476241	rs62068550	A	G	-0.229	0.035	0.143	4.22E-11	-0.001	0.004	0.839	0.012	43.487	TRUE	6.52E-11
FVC	RPTOR	cg11476241	rs66485222	A	G	0.490	0.067	0.035	2.25E-13	0.006	0.007	0.387	0.014	53.747	TRUE	6.18E-13
FVC	RPTOR	cg11476241	rs7220687	C	T	0.355	0.026	0.289	1.87E-43	-0.002	0.003	0.531	0.049	190.950	TRUE	5.64E-42
FVC	RPTOR	cg11476241	rs72859646	T	C	0.536	0.068	0.026	4.27E-15	0.006	0.007	0.399	0.016	61.539	TRUE	1.31E-14
FVC	RPTOR	cg11476241	rs8071514	C	A	0.149	0.024	0.453	3.03E-10	0.002	0.002	0.497	0.011	39.636	TRUE	5.98E-10
FVC	RPTOR	cg11499091	rs2589138	T	C	-0.342	0.028	0.230	1.43E-34	-0.001	0.003	0.735	0.039	150.298	TRUE	1.23E-33
FVC	RPTOR	cg11499091	rs35524093	G	A	0.163	0.025	0.342	2.93E-11	-0.002	0.003	0.533	0.012	44.201	TRUE	6.05E-11
FVC	RPTOR	cg11499091	rs72851580	T	A	-0.369	0.057	0.048	1.28E-10	-0.006	0.006	0.302	0.011	41.324	TRUE	3.24E-10
FVC	RPTOR	cg11499091	rs8071397	A	G	0.150	0.025	0.333	3.78E-09	0.003	0.003	0.310	0.009	34.715	TRUE	8.64E-09
FVC	RPTOR	cg11637695	rs12944497	T	C	-0.253	0.024	0.406	1.73E-26	0.001	0.002	0.630	0.030	113.374	TRUE	9.00E-26
FVC	RPTOR	cg11790527	rs62067889	G	C	0.372	0.029	0.199	8.44E-37	0.005	0.003	0.093	0.042	160.497	TRUE	4.30E-35
FVC	RPTOR	cg11949518	rs112815991	T	C	0.325	0.044	0.071	9.01E-14	-0.003	0.004	0.507	0.015	55.542	TRUE	2.23E-13
FVC	RPTOR	cg11949518	rs11548824	A	G	0.297	0.034	0.154	7.00E-19	-0.002	0.003	0.622	0.021	78.720	TRUE	2.10E-18
FVC	RPTOR	cg11949518	rs11655877	C	T	0.195	0.024	0.406	1.71E-16	-0.003	0.002	0.298	0.018	67.873	TRUE	6.75E-16
FVC	RPTOR	cg11949518	rs138780442	C	A	-0.609	0.107	0.031	1.23E-08	-0.004	0.007	0.551	0.009	32.420	TRUE	2.13E-08
FVC	RPTOR	cg11949518	rs183036865	A	G	0.506	0.056	0.041	2.01E-19	-0.005	0.006	0.425	0.021	81.182	TRUE	8.06E-19
FVC	RPTOR	cg11949518	rs2289760	T	C	0.530	0.026	0.249	1.39E-94	0.004	0.003	0.178	0.103	425.487	TRUE	3.15E-89
FVC	RPTOR	cg11949518	rs34410650	G	A	0.274	0.027	0.239	1.54E-23	-0.001	0.003	0.820	0.026	99.926	TRUE	4.91E-23
FVC	RPTOR	cg11949518	rs3751934	A	C	0.397	0.024	0.401	2.09E-62	-0.001	0.003	0.693	0.070	277.814	TRUE	4.36E-60
FVC	RPTOR	cg11949518	rs4073045	C	G	-0.324	0.053	0.045	1.28E-09	-0.006	0.006	0.240	0.010	36.830	TRUE	3.24E-09
FVC	RPTOR	cg11949518	rs4969229	T	C	-0.801	0.080	0.050	1.75E-23	-0.002	0.005	0.728	0.026	99.669	TRUE	6.34E-23
FVC	RPTOR	cg11949518	rs4969231	T	C	-0.699	0.024	0.314	3.45E-180	0.001	0.003	0.641	0.181	818.847	TRUE	3.21E-166
FVC	RPTOR	cg11949518	rs55803650	A	C	0.521	0.092	0.017	1.71E-08	0.009	0.009	0.307	0.009	31.779	TRUE	3.70E-08
FVC	RPTOR	cg11949518	rs56960771	T	C	0.243	0.025	0.310	4.90E-22	0.000	0.003	0.912	0.025	93.079	TRUE	1.28E-21
FVC	RPTOR	cg11949518	rs6565491	C	T	-0.705	0.033	0.132	1.22E-99	-0.003	0.004	0.443	0.108	448.703	TRUE	2.52E-94
FVC	RPTOR	cg11949518	rs67198902	G	T	0.218	0.031	0.186	1.37E-12	-0.001	0.003	0.789	0.013	50.196	TRUE	2.38E-12
FVC	RPTOR	cg11949518	rs7208789	T	C	-0.217	0.039	0.107	2.88E-08	-0.003	0.004	0.392	0.008	30.770	TRUE	5.58E-08
FVC	RPTOR	cg11949518	rs72850524	T	C	0.398	0.064	0.037	4.31E-10	0.011	0.006	0.076	0.010	38.947	TRUE	1.64E-09
FVC	RPTOR	cg11949518	rs74004829	C	T	0.372	0.043	0.092	7.91E-18	0.001	0.004	0.865	0.020	73.934	TRUE	1.69E-17
FVC	RPTOR	cg11949518	rs868432	A	G	0.888	0.018	0.444	<1E-200	0.002	0.002	0.440	0.392	2389.417	TRUE	<1E-200
FVC	RPTOR	cg11949518	rs9903399	C	T	0.279	0.041	0.222	6.46E-12	0.001	0.003	0.645	0.013	47.158	TRUE	1.22E-11
FVC	RPTOR	cg11949518	rs9915393	G	C	0.703	0.026	0.258	1.37E-165	-0.001	0.003	0.730	0.169	751.746	TRUE	1.12E-153
FVC	RPTOR	cg12078154	rs118120008	A	G	-0.572	0.104	0.013	3.81E-08	0.012	0.010	0.235	0.008	30.230	TRUE	8.78E-08
FVC	RPTOR	cg12078154	rs12939768	T	A	-1.183	0.020	0.226	<1E-200	0.000	0.003	0.930	0.486	3502.871	TRUE	<1E-200
FVC	RPTOR	cg12078154	rs142546211	A	G	-0.752	0.109	0.019	4.28E-12	0.001	0.008	0.900	0.013	47.965	TRUE	6.59E-12
FVC	RPTOR	cg12078154	rs183036865	A	G	0.483	0.056	0.041	8.45E-18	-0.005	0.006	0.425	0.020	73.805	TRUE	3.01E-17

FVC	RPTOR	cg12078154	rs2289764	C	T	-0.264	0.027	0.241	7.99E-22	0.004	0.003	0.178	0.024	92.110	TRUE	6.41E-21
FVC	RPTOR	cg12078154	rs4969219	G	T	-0.140	0.024	0.388	8.15E-09	0.001	0.002	0.803	0.009	33.221	TRUE	1.17E-08
FVC	RPTOR	cg12078154	rs62075432	A	G	-0.152	0.027	0.261	2.16E-08	-0.006	0.003	0.030	0.008	31.326	TRUE	8.60E-08
FVC	RPTOR	cg12078154	rs71368095	A	G	0.709	0.027	0.219	1.56E-155	0.003	0.003	0.222	0.160	705.520	TRUE	6.45E-144
FVC	RPTOR	cg12078154	rs72850524	T	C	0.452	0.064	0.037	1.37E-12	0.011	0.006	0.076	0.013	50.203	TRUE	6.63E-12
FVC	RPTOR	cg12078154	rs72859646	T	C	-0.917	0.068	0.026	7.23E-42	0.006	0.007	0.399	0.047	183.684	TRUE	2.35E-40
FVC	RPTOR	cg12078154	rs76300060	G	A	-0.268	0.047	0.065	1.73E-08	0.011	0.005	0.022	0.009	31.761	TRUE	7.40E-08
FVC	RPTOR	cg12078154	rs9905501	T	C	0.284	0.025	0.341	1.84E-30	0.001	0.003	0.699	0.034	131.514	TRUE	1.19E-29
FVC	RPTOR	cg12088417	rs117805133	T	C	-0.550	0.089	0.017	5.82E-10	0.006	0.009	0.522	0.010	38.362	TRUE	1.11E-09
FVC	RPTOR	cg12088417	rs117865905	C	T	-0.723	0.113	0.024	1.64E-10	-0.010	0.007	0.188	0.011	40.838	TRUE	4.88E-10
FVC	RPTOR	cg12088417	rs118003029	A	G	-0.431	0.055	0.089	2.60E-15	-0.002	0.004	0.548	0.017	62.511	TRUE	6.72E-15
FVC	RPTOR	cg12088417	rs118099953	T	C	-0.515	0.063	0.036	3.58E-16	-0.007	0.006	0.246	0.018	66.421	TRUE	1.52E-15
FVC	RPTOR	cg12088417	rs12450690	T	G	-0.182	0.026	0.264	4.51E-12	0.002	0.003	0.459	0.013	47.862	TRUE	1.04E-11
FVC	RPTOR	cg12088417	rs12451164	T	C	0.281	0.027	0.237	3.18E-25	-0.001	0.003	0.604	0.028	107.609	TRUE	1.53E-24
FVC	RPTOR	cg12088417	rs28364735	C	T	-0.206	0.025	0.280	3.56E-16	-0.002	0.003	0.358	0.018	66.431	TRUE	1.25E-15
FVC	RPTOR	cg12088417	rs34479366	C	T	0.278	0.029	0.198	4.55E-21	0.005	0.003	0.096	0.023	88.673	TRUE	4.49E-20
FVC	RPTOR	cg12088417	rs35904260	G	A	0.264	0.023	0.445	1.40E-29	-0.001	0.002	0.713	0.033	127.489	TRUE	8.16E-29
FVC	RPTOR	cg12088417	rs4522458	T	C	-0.161	0.027	0.238	4.36E-09	0.004	0.003	0.116	0.009	34.435	TRUE	1.34E-08
FVC	RPTOR	cg12088417	rs4889855	G	A	0.231	0.032	0.162	2.71E-13	0.001	0.003	0.719	0.014	53.378	TRUE	5.19E-13
FVC	RPTOR	cg12088417	rs62067893	T	C	-0.624	0.069	0.037	2.28E-19	0.002	0.007	0.728	0.021	80.939	TRUE	6.17E-19
FVC	RPTOR	cg12088417	rs72856013	A	G	-0.307	0.036	0.120	1.17E-17	0.003	0.004	0.415	0.019	73.160	TRUE	4.19E-17
FVC	RPTOR	cg12088417	rs74003912	A	G	-0.251	0.030	0.199	1.82E-17	-0.003	0.003	0.337	0.019	72.290	TRUE	7.28E-17
FVC	RPTOR	cg12088417	rs9909563	T	A	-0.186	0.027	0.269	3.88E-12	-0.001	0.003	0.727	0.013	48.156	TRUE	7.07E-12
FVC	RPTOR	cg12592365	rs719781	A	G	0.210	0.026	0.253	8.83E-16	-0.001	0.003	0.612	0.017	64.640	TRUE	2.21E-15
FVC	RPTOR	cg12592365	rs9319611	T	A	-0.147	0.025	0.345	2.03E-09	-0.005	0.003	0.036	0.010	35.929	TRUE	8.56E-09
FVC	RPTOR	cg12654199	rs117736066	G	A	-0.259	0.041	0.088	3.55E-10	-0.010	0.004	0.013	0.011	39.322	TRUE	2.06E-09
FVC	RPTOR	cg12654199	rs118107399	T	C	0.977	0.148	0.014	4.59E-11	0.001	0.011	0.967	0.012	43.320	TRUE	6.42E-11
FVC	RPTOR	cg12654199	rs118182693	G	A	-0.363	0.057	0.042	1.39E-10	0.010	0.006	0.095	0.011	41.154	TRUE	5.22E-10
FVC	RPTOR	cg12654199	rs11870398	T	C	-0.228	0.024	0.387	2.49E-21	-0.001	0.002	0.610	0.024	89.866	TRUE	8.82E-21
FVC	RPTOR	cg12654199	rs3923310	G	A	0.150	0.025	0.334	1.05E-09	0.000	0.003	0.931	0.010	37.215	TRUE	1.41E-09
FVC	RPTOR	cg12654199	rs55633095	T	C	-0.236	0.043	0.084	3.08E-08	0.003	0.004	0.485	0.008	30.640	TRUE	5.51E-08
FVC	RPTOR	cg12654199	rs62069406	C	T	-0.316	0.055	0.051	1.13E-08	0.007	0.006	0.203	0.009	32.587	TRUE	2.83E-08
FVC	RPTOR	cg12654199	rs7208789	T	C	0.681	0.038	0.107	4.13E-71	-0.003	0.004	0.392	0.079	317.736	TRUE	6.35E-68
FVC	RPTOR	cg12654199	rs7209132	C	T	0.634	0.024	0.365	8.23E-157	0.001	0.003	0.608	0.161	711.389	TRUE	8.71E-146
FVC	RPTOR	cg12654199	rs8073414	G	A	-0.327	0.025	0.353	3.62E-40	0.002	0.002	0.438	0.045	175.907	TRUE	9.16E-39
FVC	RPTOR	cg13005428	rs1062935	C	T	-0.443	0.023	0.472	2.32E-81	-0.001	0.002	0.778	0.090	364.782	TRUE	6.96E-78
FVC	RPTOR	cg13005428	rs113059224	A	G	-0.375	0.043	0.070	3.00E-18	-0.001	0.004	0.735	0.020	75.848	TRUE	7.52E-18
FVC	RPTOR	cg13005428	rs11548824	A	G	-0.417	0.033	0.154	5.28E-36	-0.002	0.003	0.622	0.041	156.855	TRUE	6.19E-35
FVC	RPTOR	cg13005428	rs11652514	A	G	0.432	0.077	0.053	1.94E-08	0.002	0.006	0.699	0.008	31.542	TRUE	2.96E-08
FVC	RPTOR	cg13005428	rs117631786	A	G	0.591	0.087	0.042	1.09E-11	0.013	0.007	0.085	0.012	46.141	TRUE	4.62E-11
FVC	RPTOR	cg13005428	rs117763980	T	C	-0.710	0.054	0.043	8.31E-39	-0.004	0.006	0.515	0.044	169.678	TRUE	1.54E-37
FVC	RPTOR	cg13005428	rs200806876	T	C	-0.461	0.050	0.069	3.58E-20	0.006	0.005	0.177	0.022	84.594	TRUE	2.49E-19

FVC	RPTOR	cg13005428	rs2271610	G	C	0.443	0.033	0.135	2.74E-40	-0.007	0.004	0.039	0.046	176.457	TRUE	3.42E-38
FVC	RPTOR	cg13005428	rs34206539	C	T	-0.209	0.024	0.442	8.17E-19	0.002	0.002	0.457	0.021	78.415	TRUE	3.02E-18
FVC	RPTOR	cg13005428	rs34824166	T	C	0.491	0.068	0.032	6.75E-13	-0.006	0.007	0.386	0.014	51.588	TRUE	1.80E-12
FVC	RPTOR	cg13005428	rs55980508	A	G	-0.805	0.093	0.017	3.55E-18	0.009	0.009	0.279	0.020	75.516	TRUE	1.65E-17
FVC	RPTOR	cg13005428	rs61124969	A	G	-1.017	0.019	0.300	<1E-200	0.002	0.003	0.459	0.436	2854.544	TRUE	<1E-200
FVC	RPTOR	cg13005428	rs62068550	A	G	0.425	0.034	0.143	5.21E-35	-0.001	0.004	0.839	0.040	152.307	TRUE	3.92E-34
FVC	RPTOR	cg13005428	rs6565524	T	C	-0.234	0.040	0.098	7.25E-09	0.004	0.004	0.364	0.009	33.450	TRUE	1.50E-08
FVC	RPTOR	cg13005428	rs72850524	T	C	-0.747	0.063	0.037	5.07E-32	0.011	0.006	0.076	0.036	138.647	TRUE	1.73E-30
FVC	RPTOR	cg13005428	rs77734083	A	G	-0.642	0.090	0.018	8.80E-13	-0.005	0.008	0.567	0.014	51.067	TRUE	1.91E-12
FVC	RPTOR	cg13005428	rs8081382	A	T	0.193	0.024	0.391	9.47E-16	0.000	0.003	0.957	0.017	64.503	TRUE	1.63E-15
FVC	RPTOR	cg13005428	rs9903399	C	T	-0.493	0.040	0.222	6.98E-35	0.001	0.003	0.645	0.039	151.724	TRUE	6.95E-34
FVC	RPTOR	cg13005428	rs9915393	G	C	0.396	0.027	0.258	5.02E-50	-0.001	0.003	0.730	0.056	221.054	TRUE	2.03E-48
FVC	RPTOR	cg13098428	rs4969277	T	C	-0.384	0.030	0.184	1.79E-36	-0.004	0.003	0.193	0.041	159.001	TRUE	5.63E-35
FVC	RPTOR	cg13136721	rs11150760	A	G	0.310	0.030	0.178	2.58E-24	-0.002	0.003	0.555	0.027	103.464	TRUE	1.23E-23
FVC	RPTOR	cg13136721	rs1137045	G	A	0.143	0.023	0.472	5.52E-10	-0.004	0.002	0.148	0.010	38.464	TRUE	1.72E-09
FVC	RPTOR	cg13136721	rs11653319	T	C	-0.277	0.027	0.291	1.39E-24	0.004	0.003	0.132	0.028	104.691	TRUE	1.70E-23
FVC	RPTOR	cg13136721	rs117602881	G	A	0.231	0.031	0.175	1.48E-13	-0.005	0.003	0.131	0.015	54.573	TRUE	6.59E-13
FVC	RPTOR	cg13136721	rs117763980	T	C	-0.493	0.055	0.043	2.04E-19	-0.004	0.006	0.515	0.021	81.157	TRUE	7.25E-19
FVC	RPTOR	cg13136721	rs139078473	A	G	0.434	0.051	0.052	1.60E-17	-0.009	0.005	0.085	0.019	72.549	TRUE	1.19E-16
FVC	RPTOR	cg13136721	rs17848659	T	G	-0.346	0.025	0.330	7.23E-45	0.001	0.003	0.735	0.051	197.420	TRUE	1.63E-43
FVC	RPTOR	cg13136721	rs34781048	A	G	-0.879	0.020	0.434	<1E-200	0.001	0.002	0.702	0.340	1907.260	TRUE	<1E-200
FVC	RPTOR	cg13136721	rs35439443	A	G	-0.543	0.068	0.033	1.53E-15	-0.007	0.007	0.312	0.017	63.553	TRUE	5.51E-15
FVC	RPTOR	cg13136721	rs36022926	T	A	0.157	0.027	0.250	6.51E-09	0.000	0.003	0.879	0.009	33.659	TRUE	8.86E-09
FVC	RPTOR	cg13136721	rs4969229	T	C	-0.552	0.081	0.050	8.64E-12	-0.002	0.005	0.728	0.012	46.589	TRUE	1.53E-11
FVC	RPTOR	cg13136721	rs4969300	A	G	0.285	0.035	0.120	8.67E-16	-0.001	0.004	0.736	0.017	64.678	TRUE	1.86E-15
FVC	RPTOR	cg13136721	rs7207052	T	C	-0.391	0.042	0.196	2.78E-20	0.002	0.003	0.527	0.022	85.091	TRUE	1.05E-19
FVC	RPTOR	cg13136721	rs7221927	C	T	0.240	0.025	0.354	1.15E-22	0.002	0.003	0.379	0.025	95.943	TRUE	6.40E-22
FVC	RPTOR	cg13136721	rs72850576	A	C	0.413	0.032	0.155	5.45E-37	0.003	0.003	0.314	0.042	161.365	TRUE	1.28E-35
FVC	RPTOR	cg13136721	rs74387351	A	C	-0.317	0.042	0.102	2.93E-14	0.001	0.004	0.739	0.015	57.748	TRUE	5.83E-14
FVC	RPTOR	cg13136721	rs8069265	C	T	0.133	0.024	0.446	1.57E-08	0.005	0.002	0.030	0.009	31.943	TRUE	6.17E-08
FVC	RPTOR	cg13136721	rs8070693	C	T	-0.356	0.044	0.082	2.88E-16	-0.006	0.004	0.167	0.018	66.846	TRUE	1.46E-15
FVC	RPTOR	cg13311292	rs7503757	G	A	-0.255	0.037	0.112	9.80E-12	0.000	0.004	0.980	0.012	46.343	TRUE	1.39E-11
FVC	RPTOR	cg13526488	rs11150745	G	A	-0.386	0.025	0.314	6.66E-54	0.003	0.003	0.217	0.061	238.820	TRUE	1.59E-51
FVC	RPTOR	cg13526488	rs112384134	C	T	-0.814	0.125	0.023	7.36E-11	0.003	0.008	0.679	0.011	42.397	TRUE	1.28E-10
FVC	RPTOR	cg13526488	rs118107399	T	C	0.902	0.149	0.014	1.29E-09	0.001	0.011	0.967	0.010	36.814	TRUE	1.70E-09
FVC	RPTOR	cg13526488	rs2340773	T	C	0.794	0.036	0.116	6.27E-107	0.001	0.004	0.751	0.115	482.186	TRUE	2.24E-101
FVC	RPTOR	cg13526488	rs2672893	A	G	0.204	0.031	0.160	5.70E-11	0.003	0.003	0.421	0.011	42.898	TRUE	1.29E-10
FVC	RPTOR	cg13526488	rs4375716	T	G	-0.276	0.029	0.194	3.63E-21	0.005	0.003	0.104	0.024	89.116	TRUE	3.41E-20
FVC	RPTOR	cg13526488	rs4426398	T	C	-0.197	0.034	0.139	4.73E-09	-0.002	0.003	0.492	0.009	34.277	TRUE	8.90E-09
FVC	RPTOR	cg13526488	rs58419250	A	G	-0.185	0.031	0.184	1.71E-09	-0.004	0.003	0.195	0.010	36.262	TRUE	4.63E-09
FVC	RPTOR	cg13526488	rs7210110	A	G	-0.883	0.028	0.200	3.53E-222	0.001	0.003	0.678	0.215	1011.906	TRUE	4.39E-202
FVC	RPTOR	cg13526488	rs72852801	A	G	-0.478	0.044	0.076	1.46E-27	0.005	0.005	0.310	0.031	118.272	TRUE	1.42E-26

FVC	RPTOR	cg13526488	rs72853728	C	T	-0.340	0.033	0.144	2.46E-24	0.004	0.004	0.243	0.027	103.559	TRUE	2.07E-23
FVC	RPTOR	cg13549638	rs12937510	T	C	-0.236	0.027	0.241	1.39E-18	0.003	0.003	0.311	0.020	77.367	TRUE	6.22E-18
FVC	RPTOR	cg13549638	rs2333984	G	A	0.639	0.028	0.203	1.25E-112	0.001	0.003	0.678	0.121	508.379	TRUE	1.81E-106
FVC	RPTOR	cg13549638	rs55735336	T	C	-0.211	0.037	0.114	1.37E-08	0.002	0.004	0.601	0.009	32.208	TRUE	2.26E-08
FVC	RPTOR	cg13549638	rs57860295	A	G	0.174	0.028	0.247	3.04E-10	0.001	0.003	0.669	0.011	39.624	TRUE	5.20E-10
FVC	RPTOR	cg13549638	rs62068487	A	G	-0.197	0.025	0.319	6.47E-15	0.000	0.003	0.923	0.016	60.720	TRUE	1.10E-14
FVC	RPTOR	cg13549638	rs72853711	C	T	0.236	0.037	0.115	1.43E-10	0.007	0.004	0.062	0.011	41.105	TRUE	6.00E-10
FVC	RPTOR	cg13549638	rs72853757	C	T	0.194	0.033	0.146	4.91E-09	0.003	0.003	0.363	0.009	34.205	TRUE	1.04E-08
FVC	RPTOR	cg13549638	rs7502841	A	G	0.263	0.027	0.232	1.06E-21	-0.001	0.003	0.851	0.024	91.549	TRUE	2.88E-21
FVC	RPTOR	cg13643509	rs8077224	A	G	-0.134	0.023	0.428	1.24E-08	-0.003	0.002	0.272	0.009	32.404	TRUE	2.80E-08
FVC	RPTOR	cg13762486	rs2138119	C	G	-0.164	0.025	0.346	2.80E-11	0.004	0.003	0.073	0.012	44.288	TRUE	1.18E-10
FVC	RPTOR	cg13762486	rs4969314	G	T	0.335	0.025	0.316	1.01E-39	0.001	0.003	0.681	0.045	173.864	TRUE	1.54E-38
FVC	RPTOR	cg13762486	rs7219221	G	A	-0.208	0.034	0.173	9.68E-10	0.002	0.003	0.462	0.010	37.368	TRUE	1.95E-09
FVC	RPTOR	cg13831388	rs11656246	A	G	0.309	0.026	0.241	7.92E-32	0.003	0.003	0.328	0.036	137.761	TRUE	1.07E-30
FVC	RPTOR	cg14073057	rs9915426	G	A	-0.225	0.029	0.202	1.24E-14	0.001	0.003	0.687	0.016	59.443	TRUE	2.64E-14
FVC	RPTOR	cg14289594	rs12937265	T	C	-0.189	0.025	0.320	1.88E-14	0.002	0.003	0.422	0.016	58.627	TRUE	5.31E-14
FVC	RPTOR	cg14343513	rs11150745	G	A	-0.276	0.025	0.314	7.37E-28	0.003	0.003	0.217	0.031	119.634	TRUE	9.18E-27
FVC	RPTOR	cg14343513	rs11655574	A	G	0.149	0.025	0.361	3.22E-09	0.000	0.003	0.972	0.009	35.026	TRUE	4.17E-09
FVC	RPTOR	cg14343513	rs118107399	T	C	1.087	0.148	0.014	2.30E-13	0.001	0.011	0.967	0.014	53.705	TRUE	3.54E-13
FVC	RPTOR	cg14343513	rs12950676	T	C	-0.270	0.024	0.431	4.19E-30	-0.002	0.002	0.464	0.034	129.885	TRUE	3.65E-29
FVC	RPTOR	cg14343513	rs2672890	T	C	0.230	0.042	0.178	3.64E-08	0.002	0.003	0.499	0.008	30.313	TRUE	6.36E-08
FVC	RPTOR	cg14343513	rs35926934	A	G	0.966	0.035	0.117	2.56E-165	-0.001	0.004	0.811	0.169	750.495	TRUE	1.51E-153
FVC	RPTOR	cg14343513	rs55959137	G	A	-0.251	0.024	0.493	1.50E-26	-0.002	0.002	0.444	0.030	113.663	TRUE	1.01E-25
FVC	RPTOR	cg14343513	rs62070202	T	C	-0.256	0.042	0.079	1.12E-09	0.008	0.004	0.087	0.010	37.085	TRUE	3.97E-09
FVC	RPTOR	cg14343513	rs72859613	T	C	0.466	0.073	0.020	1.82E-10	0.010	0.008	0.196	0.011	40.630	TRUE	5.33E-10
FVC	RPTOR	cg14343513	rs734338	A	G	-0.167	0.023	0.497	1.08E-12	0.002	0.002	0.391	0.014	50.662	TRUE	2.78E-12
FVC	RPTOR	cg14600877	rs113059224	A	G	-0.279	0.043	0.070	9.67E-11	-0.001	0.004	0.735	0.011	41.865	TRUE	1.60E-10
FVC	RPTOR	cg14600877	rs113714895	T	C	-0.457	0.043	0.080	6.59E-27	-0.005	0.004	0.214	0.030	115.288	TRUE	7.65E-26
FVC	RPTOR	cg14600877	rs11650195	C	T	-0.180	0.033	0.404	3.24E-08	0.002	0.002	0.351	0.008	30.542	TRUE	6.62E-08
FVC	RPTOR	cg14600877	rs12449867	C	T	0.172	0.025	0.343	2.38E-12	-0.005	0.003	0.035	0.013	49.119	TRUE	1.37E-11
FVC	RPTOR	cg14600877	rs139078473	A	G	0.381	0.051	0.052	8.67E-14	-0.009	0.005	0.085	0.015	55.616	TRUE	4.54E-13
FVC	RPTOR	cg14600877	rs36022926	T	A	0.154	0.027	0.250	1.18E-08	0.000	0.003	0.879	0.009	32.502	TRUE	1.59E-08
FVC	RPTOR	cg14600877	rs4969236	C	T	-0.296	0.023	0.495	7.28E-37	-0.001	0.002	0.713	0.042	160.790	TRUE	7.97E-36
FVC	RPTOR	cg14600877	rs4969323	C	G	0.219	0.030	0.203	3.46E-13	0.003	0.003	0.406	0.014	52.901	TRUE	9.19E-13
FVC	RPTOR	cg14600877	rs56412625	G	A	0.170	0.027	0.250	2.21E-10	0.005	0.003	0.066	0.011	40.253	TRUE	8.85E-10
FVC	RPTOR	cg14600877	rs58642634	T	C	-0.502	0.047	0.076	8.00E-27	0.004	0.005	0.373	0.030	114.906	TRUE	6.35E-26
FVC	RPTOR	cg14600877	rs62075409	A	G	0.443	0.029	0.190	5.49E-52	-0.001	0.003	0.775	0.059	230.039	TRUE	2.66E-50
FVC	RPTOR	cg14600877	rs6565524	T	C	-0.353	0.040	0.098	1.56E-18	0.004	0.004	0.364	0.020	77.137	TRUE	6.42E-18
FVC	RPTOR	cg14600877	rs72859646	T	C	0.428	0.068	0.026	3.77E-10	0.006	0.007	0.399	0.010	39.209	TRUE	8.24E-10
FVC	RPTOR	cg14600877	rs7502563	A	G	-1.043	0.017	0.391	<1E-200	0.003	0.002	0.167	0.501	3712.236	TRUE	<1E-200
FVC	RPTOR	cg14600877	rs78595627	T	C	-0.301	0.042	0.102	5.74E-13	0.001	0.004	0.781	0.014	51.905	TRUE	1.03E-12
FVC	RPTOR	cg14600877	rs8081382	A	T	0.183	0.024	0.391	2.48E-14	0.000	0.003	0.957	0.015	58.080	TRUE	3.99E-14

FVC	RPTOR	cg14600877	rs9911223	A	G	0.378	0.025	0.310	3.66E-52	0.001	0.003	0.659	0.059	230.848	TRUE	2.15E-50
FVC	RPTOR	cg14647957	rs111492191	A	G	-0.320	0.055	0.043	5.75E-09	0.011	0.005	0.037	0.009	33.899	TRUE	2.30E-08
FVC	RPTOR	cg14647957	rs17848624	C	A	-0.260	0.041	0.088	3.57E-10	0.009	0.004	0.036	0.011	39.314	TRUE	1.67E-09
FVC	RPTOR	cg14647957	rs2589132	C	T	0.137	0.023	0.485	5.22E-09	-0.002	0.002	0.407	0.009	34.086	TRUE	1.05E-08
FVC	RPTOR	cg14647957	rs34713877	A	G	-0.506	0.091	0.036	3.00E-08	0.002	0.006	0.800	0.008	30.692	TRUE	4.20E-08
FVC	RPTOR	cg14647957	rs4969282	T	G	-0.669	0.032	0.139	6.51E-95	0.000	0.003	0.992	0.103	427.000	TRUE	1.20E-90
FVC	RPTOR	cg14780427	rs11150747	T	C	-0.442	0.027	0.249	1.99E-60	0.005	0.003	0.078	0.068	268.736	TRUE	2.66E-57
FVC	RPTOR	cg14780427	rs11651724	A	G	-0.466	0.037	0.117	7.11E-37	-0.002	0.004	0.626	0.042	160.837	TRUE	8.91E-36
FVC	RPTOR	cg14780427	rs117209908	A	G	-0.628	0.050	0.059	4.48E-36	-0.008	0.005	0.107	0.041	157.181	TRUE	1.99E-34
FVC	RPTOR	cg14780427	rs117805133	T	C	-0.560	0.089	0.017	3.25E-10	0.006	0.009	0.522	0.011	39.498	TRUE	6.31E-10
FVC	RPTOR	cg14780427	rs118107399	T	C	0.950	0.149	0.014	1.57E-10	0.001	0.011	0.967	0.011	40.915	TRUE	2.15E-10
FVC	RPTOR	cg14780427	rs12949279	C	T	0.806	0.020	0.440	<1E-200	0.002	0.002	0.317	0.303	1605.490	TRUE	2.60E-305
FVC	RPTOR	cg14780427	rs2589139	C	G	0.230	0.025	0.297	5.60E-20	0.003	0.003	0.300	0.022	83.711	TRUE	2.89E-19
FVC	RPTOR	cg14780427	rs4072746	T	C	-0.296	0.038	0.115	9.95E-15	0.001	0.004	0.808	0.016	59.873	TRUE	1.89E-14
FVC	RPTOR	cg14780427	rs4426398	T	C	0.296	0.034	0.139	1.32E-18	-0.002	0.003	0.492	0.021	77.469	TRUE	4.63E-18
FVC	RPTOR	cg14780427	rs4890035	A	G	-0.192	0.029	0.198	4.43E-11	0.005	0.003	0.103	0.012	43.391	TRUE	1.69E-10
FVC	RPTOR	cg14780427	rs62067893	T	C	-0.838	0.069	0.037	5.64E-34	0.002	0.007	0.728	0.038	147.577	TRUE	4.58E-33
FVC	RPTOR	cg14780427	rs72856006	G	C	-0.509	0.036	0.120	2.05E-46	0.003	0.004	0.392	0.052	204.509	TRUE	1.14E-44
FVC	RPTOR	cg14780427	rs72858264	C	A	0.536	0.066	0.031	4.76E-16	0.007	0.007	0.313	0.017	65.858	TRUE	1.77E-15
FVC	RPTOR	cg14780427	rs8069320	C	A	0.253	0.024	0.490	7.66E-27	-0.002	0.002	0.385	0.030	114.992	TRUE	5.99E-26
FVC	RPTOR	cg14780427	rs9908112	A	G	0.904	0.036	0.116	3.95E-141	0.001	0.004	0.849	0.147	639.320	TRUE	2.80E-132
FVC	RPTOR	cg15022015	rs2280147	C	T	0.187	0.027	0.225	5.46E-12	0.002	0.003	0.443	0.013	47.489	TRUE	1.27E-11
FVC	RPTOR	cg15022015	rs71368095	A	G	-0.155	0.028	0.219	2.09E-08	0.003	0.003	0.222	0.008	31.394	TRUE	4.99E-08
FVC	RPTOR	cg15096353	rs114177791	T	G	0.247	0.028	0.215	3.34E-18	-0.003	0.003	0.302	0.020	75.638	TRUE	1.49E-17
FVC	RPTOR	cg15096353	rs117117100	A	G	0.492	0.075	0.024	6.52E-11	-0.006	0.007	0.422	0.011	42.634	TRUE	1.46E-10
FVC	RPTOR	cg15096353	rs117209908	A	G	0.546	0.050	0.059	1.48E-27	-0.008	0.005	0.107	0.031	118.246	TRUE	2.65E-26
FVC	RPTOR	cg15096353	rs117805133	T	C	0.579	0.089	0.017	7.07E-11	0.006	0.009	0.522	0.011	42.477	TRUE	1.43E-10
FVC	RPTOR	cg15096353	rs12452137	G	A	0.728	0.026	0.249	2.36E-170	0.001	0.003	0.607	0.173	773.639	TRUE	1.26E-157
FVC	RPTOR	cg15096353	rs2589138	T	C	-0.244	0.028	0.230	3.36E-18	-0.001	0.003	0.735	0.020	75.626	TRUE	8.47E-18
FVC	RPTOR	cg15096353	rs35832855	C	T	0.132	0.024	0.436	2.10E-08	-0.002	0.002	0.328	0.008	31.381	TRUE	4.35E-08
FVC	RPTOR	cg15096353	rs4969429	A	G	0.280	0.026	0.273	1.21E-26	-0.001	0.003	0.698	0.030	114.092	TRUE	5.56E-26
FVC	RPTOR	cg15096353	rs62067893	T	C	0.520	0.069	0.037	7.26E-14	0.002	0.007	0.728	0.015	55.967	TRUE	1.42E-13
FVC	RPTOR	cg15096353	rs62944760	C	A	-0.395	0.042	0.084	5.41E-21	0.024	0.034	0.477	0.023	88.331	TRUE	2.26E-20
FVC	RPTOR	cg15096353	rs72853735	G	A	0.326	0.036	0.118	1.57E-19	0.003	0.004	0.392	0.022	81.678	TRUE	6.73E-19
FVC	RPTOR	cg15097361	rs11150745	G	A	-0.240	0.025	0.314	2.04E-21	0.003	0.003	0.217	0.024	90.253	TRUE	1.42E-20
FVC	RPTOR	cg15097361	rs118011999	A	G	-0.731	0.115	0.024	1.71E-10	0.006	0.008	0.436	0.011	40.753	TRUE	3.66E-10
FVC	RPTOR	cg15097361	rs12943620	T	G	-0.200	0.027	0.225	1.86E-13	0.003	0.003	0.228	0.014	54.116	TRUE	6.59E-13
FVC	RPTOR	cg15097361	rs2048753	A	G	-0.217	0.027	0.250	2.49E-16	0.003	0.003	0.333	0.018	67.131	TRUE	9.13E-16
FVC	RPTOR	cg15097361	rs35352641	T	C	-0.735	0.038	0.209	1.04E-83	-0.003	0.003	0.357	0.092	375.566	TRUE	1.47E-79
FVC	RPTOR	cg15097361	rs7219745	C	A	0.263	0.033	0.141	2.44E-15	-0.003	0.004	0.364	0.017	62.643	TRUE	7.82E-15
FVC	RPTOR	cg15097361	rs7221948	C	T	-0.241	0.024	0.410	1.04E-23	0.002	0.002	0.508	0.027	100.695	TRUE	5.15E-23
FVC	RPTOR	cg15097361	rs7223529	A	T	0.167	0.028	0.228	2.16E-09	-0.002	0.003	0.547	0.010	35.801	TRUE	3.92E-09

FVC	RPTOR	cg15097361	rs7225476	G	A	0.140	0.024	0.464	3.22E-09	0.002	0.002	0.530	0.009	35.025	TRUE	5.85E-09
FVC	RPTOR	cg15097361	rs72858264	C	A	-0.416	0.066	0.031	3.35E-10	0.007	0.007	0.313	0.011	39.436	TRUE	8.15E-10
FVC	RPTOR	cg15097361	rs75293675	T	C	0.235	0.031	0.168	6.57E-14	-0.002	0.003	0.586	0.015	56.163	TRUE	1.48E-13
FVC	RPTOR	cg15116918	rs7209576	A	G	0.149	0.023	0.452	1.80E-10	0.002	0.002	0.502	0.011	40.654	TRUE	3.60E-10
FVC	RPTOR	cg15228441	rs2048753	A	G	-0.173	0.027	0.250	6.76E-11	0.003	0.003	0.333	0.011	42.566	TRUE	1.67E-10
FVC	RPTOR	cg15228441	rs2672871	C	G	0.219	0.030	0.187	2.82E-13	0.002	0.003	0.488	0.014	53.299	TRUE	6.88E-13
FVC	RPTOR	cg15228441	rs2672893	A	G	0.216	0.031	0.160	4.00E-12	0.003	0.003	0.421	0.013	48.096	TRUE	9.78E-12
FVC	RPTOR	cg15228441	rs28377011	C	T	-0.322	0.042	0.082	1.71E-14	0.005	0.004	0.249	0.016	58.812	TRUE	6.20E-14
FVC	RPTOR	cg15228441	rs35352641	T	C	-0.634	0.038	0.209	1.43E-61	-0.003	0.003	0.357	0.069	273.981	TRUE	6.11E-59
FVC	RPTOR	cg15230985	rs117219902	A	G	-0.250	0.045	0.072	3.18E-08	-0.011	0.005	0.019	0.008	30.580	TRUE	1.35E-07
FVC	RPTOR	cg15230985	rs118107399	T	C	0.917	0.149	0.014	6.62E-10	0.001	0.011	0.967	0.010	38.108	TRUE	8.83E-10
FVC	RPTOR	cg15230985	rs12185227	G	C	-0.137	0.024	0.390	1.01E-08	-0.002	0.002	0.480	0.009	32.813	TRUE	1.85E-08
FVC	RPTOR	cg15230985	rs35926934	A	G	0.809	0.036	0.117	6.02E-113	-0.001	0.004	0.811	0.121	509.828	TRUE	6.45E-107
FVC	RPTOR	cg15230985	rs4453556	G	A	0.186	0.024	0.417	4.35E-15	0.000	0.002	0.883	0.016	61.504	TRUE	7.73E-15
FVC	RPTOR	cg15230985	rs4969230	C	T	-0.377	0.024	0.401	1.49E-56	-0.001	0.002	0.697	0.064	250.973	TRUE	1.40E-54
FVC	RPTOR	cg15230985	rs62069691	T	A	-0.349	0.041	0.087	2.33E-17	0.007	0.004	0.083	0.019	71.805	TRUE	1.73E-16
FVC	RPTOR	cg15230985	rs9890464	C	T	-0.167	0.024	0.491	1.40E-12	-0.002	0.002	0.455	0.013	50.152	TRUE	3.38E-12
FVC	RPTOR	cg15230985	rs9904611	A	G	-0.168	0.027	0.254	9.68E-10	0.000	0.003	0.891	0.010	37.368	TRUE	1.36E-09
FVC	RPTOR	cg15358690	rs113059224	A	G	-0.369	0.043	0.070	9.53E-18	-0.001	0.004	0.735	0.020	73.569	TRUE	2.32E-17
FVC	RPTOR	cg15358690	rs113335931	G	A	0.200	0.033	0.150	7.33E-10	0.005	0.003	0.178	0.010	37.909	TRUE	2.09E-09
FVC	RPTOR	cg15358690	rs113714895	T	C	-0.503	0.042	0.080	2.04E-32	-0.005	0.004	0.214	0.037	140.457	TRUE	4.03E-31
FVC	RPTOR	cg15358690	rs11651707	T	C	-0.877	0.023	0.245	<1E-200	0.003	0.003	0.222	0.278	1425.488	TRUE	2.52E-274
FVC	RPTOR	cg15358690	rs11655877	C	T	-0.296	0.023	0.406	1.86E-36	-0.003	0.002	0.298	0.041	158.927	TRUE	4.34E-35
FVC	RPTOR	cg15358690	rs11868966	C	A	0.401	0.032	0.167	7.07E-37	0.002	0.003	0.482	0.042	160.846	TRUE	1.17E-35
FVC	RPTOR	cg15358690	rs12449867	C	T	0.146	0.025	0.343	3.26E-09	-0.005	0.003	0.035	0.009	35.006	TRUE	1.34E-08
FVC	RPTOR	cg15358690	rs183036865	A	G	-0.359	0.056	0.041	1.75E-10	-0.005	0.006	0.425	0.011	40.709	TRUE	3.78E-10
FVC	RPTOR	cg15358690	rs62068550	A	G	0.304	0.035	0.143	1.58E-18	-0.001	0.004	0.839	0.020	77.112	TRUE	3.60E-18
FVC	RPTOR	cg15358690	rs72851827	A	G	0.272	0.050	0.080	4.25E-08	0.005	0.005	0.310	0.008	30.015	TRUE	8.91E-08
FVC	RPTOR	cg15358690	rs868432	A	G	-0.393	0.023	0.444	1.21E-65	0.002	0.002	0.440	0.073	292.661	TRUE	7.42E-63
FVC	RPTOR	cg15358690	rs908236	C	G	0.139	0.025	0.351	2.01E-08	-0.002	0.003	0.385	0.008	31.471	TRUE	3.99E-08
FVC	RPTOR	cg15358690	rs9899178	T	C	-0.367	0.025	0.354	1.78E-49	0.002	0.003	0.322	0.056	218.531	TRUE	1.62E-47
FVC	RPTOR	cg15476425	rs2589135	T	C	-0.137	0.024	0.457	6.25E-09	-0.002	0.002	0.328	0.009	33.737	TRUE	1.34E-08
FVC	RPTOR	cg15476425	rs56233717	C	T	0.404	0.036	0.264	1.89E-28	0.002	0.003	0.592	0.032	122.327	TRUE	1.22E-27
FVC	RPTOR	cg15616522	rs2589119	A	G	0.208	0.036	0.117	9.32E-09	-0.002	0.004	0.601	0.009	32.961	TRUE	1.56E-08
FVC	RPTOR	cg15616522	rs2589131	A	G	0.205	0.033	0.152	9.20E-10	-0.003	0.003	0.341	0.010	37.466	TRUE	2.07E-09
FVC	RPTOR	cg15616522	rs4969426	A	T	0.201	0.024	0.375	1.94E-17	0.000	0.002	0.963	0.019	72.163	TRUE	3.65E-17
FVC	RPTOR	cg15616522	rs6565473	C	T	0.166	0.023	0.472	1.34E-12	-0.004	0.002	0.066	0.013	50.246	TRUE	6.53E-12
FVC	RPTOR	cg15616522	rs7212390	A	G	-0.503	0.029	0.198	2.91E-67	0.002	0.003	0.493	0.075	300.085	TRUE	1.95E-64
FVC	RPTOR	cg15616522	rs75747760	T	C	-0.309	0.041	0.088	5.41E-14	0.010	0.004	0.015	0.015	56.546	TRUE	4.70E-13
FVC	RPTOR	cg15694704	rs115579065	T	C	-0.302	0.044	0.089	8.89E-12	0.001	0.004	0.774	0.012	46.534	TRUE	1.51E-11
FVC	RPTOR	cg15694704	rs12950583	A	G	-0.997	0.025	0.214	<1E-200	-0.002	0.003	0.507	0.298	1570.896	TRUE	5.26E-300
FVC	RPTOR	cg15694704	rs2672878	T	C	0.233	0.026	0.263	5.95E-19	0.003	0.003	0.203	0.021	79.042	TRUE	3.55E-18

FVC	RPTOR	cg15694704	rs4306553	A	G	-0.134	0.024	0.395	2.58E-08	0.004	0.002	0.130	0.008	30.982	TRUE	7.26E-08
FVC	RPTOR	cg15694704	rs4969285	G	C	0.163	0.025	0.333	9.21E-11	0.001	0.003	0.613	0.011	41.959	TRUE	1.69E-10
FVC	RPTOR	cg15694704	rs4969323	C	G	0.219	0.030	0.203	4.01E-13	0.003	0.003	0.406	0.014	52.610	TRUE	1.06E-12
FVC	RPTOR	cg15694704	rs6565515	T	C	0.261	0.028	0.245	9.82E-21	0.003	0.003	0.314	0.023	87.151	TRUE	5.21E-20
FVC	RPTOR	cg15694704	rs7220687	C	T	-0.288	0.026	0.289	6.31E-29	-0.002	0.003	0.531	0.033	124.506	TRUE	4.69E-28
FVC	RPTOR	cg15694704	rs9898178	G	A	0.182	0.033	0.138	4.86E-08	-0.002	0.003	0.654	0.008	29.756	TRUE	7.46E-08
FVC	RPTOR	cg15815120	rs11150745	G	A	0.161	0.025	0.314	1.08E-10	0.003	0.003	0.217	0.011	41.644	TRUE	3.13E-10
FVC	RPTOR	cg15815120	rs62069406	C	T	0.591	0.054	0.051	1.02E-27	0.007	0.006	0.203	0.031	118.981	TRUE	1.30E-26
FVC	RPTOR	cg15815120	rs9893956	C	G	-0.301	0.030	0.184	1.55E-23	-0.004	0.003	0.190	0.026	99.913	TRUE	1.40E-22
FVC	RPTOR	cg15815120	rs9897426	T	A	0.205	0.029	0.198	1.92E-12	0.005	0.003	0.089	0.013	49.537	TRUE	8.68E-12
FVC	RPTOR	cg15826479	rs2672871	C	G	-0.286	0.030	0.187	1.23E-21	0.002	0.003	0.488	0.024	91.266	TRUE	5.33E-21
FVC	RPTOR	cg15946337	rs201407779	A	G	-0.276	0.041	0.090	1.56E-11	0.009	0.004	0.026	0.012	45.431	TRUE	9.00E-11
FVC	RPTOR	cg15946337	rs35292957	G	C	0.202	0.026	0.253	1.14E-14	-0.002	0.003	0.584	0.016	59.614	TRUE	2.72E-14
FVC	RPTOR	cg15946337	rs72853711	C	T	-0.268	0.037	0.115	3.01E-13	0.007	0.004	0.062	0.014	53.176	TRUE	1.65E-12
FVC	RPTOR	cg15946337	rs9909563	T	A	-0.345	0.027	0.269	2.64E-38	-0.001	0.003	0.727	0.043	167.379	TRUE	3.29E-37
FVC	RPTOR	cg16015295	rs10871489	G	A	-0.145	0.026	0.301	1.46E-08	0.002	0.003	0.557	0.009	32.089	TRUE	2.48E-08
FVC	RPTOR	cg16015295	rs11150745	G	A	-0.357	0.025	0.314	5.85E-46	0.003	0.003	0.217	0.052	202.422	TRUE	5.10E-44
FVC	RPTOR	cg16015295	rs1131609	A	G	-0.215	0.027	0.243	5.77E-16	0.003	0.003	0.371	0.017	65.480	TRUE	1.95E-15
FVC	RPTOR	cg16015295	rs118107399	T	C	0.928	0.149	0.014	4.19E-10	0.001	0.011	0.967	0.010	39.003	TRUE	5.62E-10
FVC	RPTOR	cg16015295	rs2340773	T	C	0.880	0.036	0.116	3.96E-133	0.001	0.004	0.751	0.140	602.553	TRUE	5.15E-125
FVC	RPTOR	cg16015295	rs4889856	C	T	-0.153	0.023	0.435	6.70E-11	0.001	0.002	0.810	0.011	42.580	TRUE	1.06E-10
FVC	RPTOR	cg16015295	rs4969404	T	C	-0.175	0.024	0.402	3.50E-13	-0.001	0.002	0.644	0.014	52.875	TRUE	7.17E-13
FVC	RPTOR	cg16015295	rs62067183	T	C	-0.137	0.024	0.395	1.16E-08	-0.004	0.002	0.072	0.009	32.528	TRUE	3.96E-08
FVC	RPTOR	cg16015295	rs7217174	T	C	-0.687	0.028	0.201	7.30E-129	0.002	0.003	0.605	0.136	582.955	TRUE	5.12E-121
FVC	RPTOR	cg16015295	rs72852801	A	G	-0.386	0.044	0.076	1.89E-18	0.005	0.005	0.310	0.020	76.760	TRUE	8.53E-18
FVC	RPTOR	cg16015295	rs72853728	C	T	-0.294	0.034	0.144	1.64E-18	0.004	0.004	0.243	0.020	77.037	TRUE	8.44E-18
FVC	RPTOR	cg16015295	rs72859613	T	C	0.403	0.073	0.020	3.50E-08	0.010	0.008	0.196	0.008	30.394	TRUE	8.51E-08
FVC	RPTOR	cg16018154	rs113714895	T	C	-0.474	0.043	0.080	7.17E-29	-0.005	0.004	0.214	0.032	124.252	TRUE	1.00E-27
FVC	RPTOR	cg16018154	rs11658145	C	T	0.162	0.027	0.246	2.12E-09	0.007	0.003	0.009	0.010	35.837	TRUE	1.20E-08
FVC	RPTOR	cg16018154	rs11868266	C	G	0.168	0.027	0.251	1.02E-09	0.001	0.003	0.648	0.010	37.260	TRUE	1.72E-09
FVC	RPTOR	cg16018154	rs2289765	G	A	0.873	0.034	0.137	7.62E-148	0.004	0.004	0.292	0.153	670.180	TRUE	2.47E-137
FVC	RPTOR	cg16018154	rs2316058	G	C	-0.207	0.025	0.345	4.18E-17	-0.005	0.003	0.035	0.019	70.654	TRUE	3.94E-16
FVC	RPTOR	cg16018154	rs4969236	C	T	-0.283	0.023	0.495	7.85E-34	-0.001	0.002	0.713	0.038	146.919	TRUE	6.54E-33
FVC	RPTOR	cg16018154	rs4969238	C	T	0.162	0.024	0.379	2.31E-11	-0.005	0.003	0.035	0.012	44.666	TRUE	1.20E-10
FVC	RPTOR	cg16018154	rs4969284	A	G	-0.860	0.020	0.439	<1E-200	-0.001	0.002	0.698	0.337	1884.356	TRUE	<1E-200
FVC	RPTOR	cg16018154	rs4969313	A	G	-0.351	0.024	0.391	5.68E-48	0.003	0.002	0.158	0.054	211.645	TRUE	8.05E-46
FVC	RPTOR	cg16018154	rs58903229	A	T	0.480	0.049	0.080	2.52E-22	0.004	0.005	0.378	0.025	94.395	TRUE	1.35E-21
FVC	RPTOR	cg16018154	rs59695750	T	C	0.158	0.023	0.495	1.80E-11	0.004	0.002	0.099	0.012	45.150	TRUE	7.10E-11
FVC	RPTOR	cg16018154	rs6565488	A	C	0.539	0.033	0.135	9.83E-60	-0.002	0.003	0.538	0.067	265.556	TRUE	2.01E-57
FVC	RPTOR	cg16018154	rs72857988	T	C	0.386	0.050	0.050	1.36E-14	0.003	0.005	0.527	0.016	59.255	TRUE	3.46E-14
FVC	RPTOR	cg16018154	rs7502321	C	T	0.173	0.024	0.386	6.35E-13	0.000	0.002	0.933	0.014	51.708	TRUE	9.87E-13
FVC	RPTOR	cg16018154	rs9915393	G	C	0.169	0.027	0.258	3.50E-10	-0.001	0.003	0.730	0.011	39.350	TRUE	5.63E-10

FVC	RPTOR	cg16115689	rs9912037	A	C	0.167	0.025	0.367	1.53E-11	0.001	0.003	0.564	0.012	45.476	TRUE	3.04E-11
FVC	RPTOR	cg16116279	rs11653319	T	C	-0.162	0.027	0.291	2.44E-09	0.004	0.003	0.132	0.010	35.570	TRUE	7.51E-09
FVC	RPTOR	cg16116279	rs2289763	G	C	0.263	0.036	0.119	4.50E-13	0.006	0.004	0.108	0.014	52.382	TRUE	2.02E-12
FVC	RPTOR	cg16116279	rs6565484	C	T	-0.387	0.023	0.485	6.98E-65	0.003	0.002	0.170	0.073	289.168	TRUE	9.73E-62
FVC	RPTOR	cg16116279	rs72857980	T	C	-0.342	0.050	0.051	8.65E-12	0.004	0.005	0.440	0.012	46.588	TRUE	2.02E-11
FVC	RPTOR	cg16116279	rs908240	G	A	-0.141	0.024	0.458	2.32E-09	0.000	0.002	0.870	0.010	35.666	TRUE	3.25E-09
FVC	RPTOR	cg16116279	rs9909367	G	A	-0.221	0.029	0.215	2.97E-14	-0.001	0.003	0.674	0.015	57.724	TRUE	6.26E-14
FVC	RPTOR	cg16541275	rs2672898	C	T	-0.196	0.029	0.206	1.20E-11	-0.001	0.003	0.811	0.012	45.947	TRUE	1.94E-11
FVC	RPTOR	cg16565901	rs2291360	A	G	0.192	0.025	0.367	1.09E-14	0.001	0.003	0.723	0.016	59.691	TRUE	2.27E-14
FVC	RPTOR	cg16565901	rs2316058	G	C	-0.156	0.025	0.345	2.48E-10	-0.005	0.003	0.035	0.011	40.021	TRUE	1.16E-09
FVC	RPTOR	cg16578291	rs112300010	C	T	-0.201	0.027	0.238	1.87E-13	0.003	0.003	0.373	0.014	54.104	TRUE	5.29E-13
FVC	RPTOR	cg16636468	rs17848624	C	A	-0.284	0.041	0.088	6.56E-12	0.009	0.004	0.036	0.013	47.129	TRUE	3.71E-11
FVC	RPTOR	cg16636468	rs7209132	C	T	0.191	0.025	0.365	1.36E-14	0.001	0.003	0.608	0.016	59.259	TRUE	3.16E-14
FVC	RPTOR	cg16636468	rs7212390	A	G	-0.252	0.030	0.198	1.45E-17	0.002	0.003	0.493	0.019	72.737	TRUE	4.71E-17
FVC	RPTOR	cg16638092	rs11150745	G	A	-0.260	0.025	0.314	7.16E-25	0.003	0.003	0.217	0.028	106.002	TRUE	6.77E-24
FVC	RPTOR	cg16638092	rs114177791	T	G	0.177	0.029	0.215	5.51E-10	-0.003	0.003	0.302	0.010	38.468	TRUE	1.33E-09
FVC	RPTOR	cg16638092	rs4969429	A	G	0.176	0.026	0.273	2.35E-11	-0.001	0.003	0.698	0.012	44.631	TRUE	4.10E-11
FVC	RPTOR	cg16638092	rs62070202	T	C	-0.290	0.042	0.079	4.85E-12	0.008	0.004	0.087	0.013	47.720	TRUE	2.15E-11
FVC	RPTOR	cg16638092	rs7212390	A	G	-0.364	0.029	0.198	6.59E-35	0.002	0.003	0.493	0.039	151.839	TRUE	8.83E-34
FVC	RPTOR	cg16638092	rs72853774	G	T	0.189	0.034	0.138	2.58E-08	0.004	0.003	0.307	0.008	30.986	TRUE	5.51E-08
FVC	RPTOR	cg16660971	rs2289762	A	G	-0.298	0.027	0.245	4.08E-29	0.003	0.003	0.258	0.033	125.371	TRUE	5.00E-28
FVC	RPTOR	cg16660971	rs2289764	C	T	0.394	0.027	0.241	2.44E-47	0.004	0.003	0.178	0.053	208.742	TRUE	2.95E-45
FVC	RPTOR	cg16660971	rs908236	C	G	0.160	0.025	0.351	1.05E-10	-0.002	0.003	0.385	0.011	41.705	TRUE	2.43E-10
FVC	RPTOR	cg16886414	rs113714895	T	C	0.281	0.043	0.080	5.44E-11	-0.005	0.004	0.214	0.011	42.989	TRUE	1.63E-10
FVC	RPTOR	cg16886414	rs12939768	T	A	-1.157	0.020	0.226	<1E-200	0.000	0.003	0.930	0.465	3208.673	TRUE	<1E-200
FVC	RPTOR	cg16886414	rs142546211	A	G	-0.727	0.109	0.019	2.15E-11	0.001	0.008	0.900	0.012	44.809	TRUE	3.20E-11
FVC	RPTOR	cg16886414	rs183036865	A	G	0.425	0.056	0.041	4.41E-14	-0.005	0.006	0.425	0.015	56.947	TRUE	1.21E-13
FVC	RPTOR	cg16886414	rs2289764	C	T	-0.238	0.027	0.241	4.56E-18	0.004	0.003	0.178	0.020	75.023	TRUE	2.63E-17
FVC	RPTOR	cg16886414	rs4969219	G	T	-0.147	0.024	0.388	1.27E-09	0.001	0.002	0.803	0.010	36.835	TRUE	1.89E-09
FVC	RPTOR	cg16886414	rs4969329	G	A	0.203	0.028	0.251	2.19E-13	0.003	0.003	0.371	0.014	53.802	TRUE	6.14E-13
FVC	RPTOR	cg16886414	rs71368095	A	G	0.704	0.027	0.219	1.60E-153	0.003	0.003	0.222	0.158	696.272	TRUE	3.76E-142
FVC	RPTOR	cg16886414	rs7220687	C	T	-0.381	0.026	0.289	9.31E-50	-0.002	0.003	0.531	0.056	219.823	TRUE	5.72E-48
FVC	RPTOR	cg16886414	rs72850524	T	C	0.448	0.064	0.037	2.23E-12	0.011	0.006	0.076	0.013	49.246	TRUE	1.06E-11
FVC	RPTOR	cg16886414	rs72859646	T	C	-0.904	0.068	0.026	1.18E-40	0.006	0.007	0.399	0.046	178.139	TRUE	3.35E-39
FVC	RPTOR	cg16892887	rs11656246	A	G	-0.307	0.026	0.241	4.50E-31	0.003	0.003	0.328	0.035	134.310	TRUE	5.66E-30
FVC	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	-0.004	0.006	0.515	0.011	40.360	TRUE	4.14E-10
FVC	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	-0.001	0.003	0.742	0.016	60.193	TRUE	1.73E-14
FVC	RPTOR	cg16892887	rs3751934	A	C	-0.177	0.024	0.401	1.90E-13	-0.001	0.003	0.693	0.014	54.077	TRUE	3.79E-13
FVC	RPTOR	cg16892887	rs4969293	A	T	0.210	0.028	0.211	1.81E-13	0.003	0.003	0.392	0.014	54.174	TRUE	5.00E-13
FVC	RPTOR	cg16892887	rs4969323	C	G	-0.175	0.030	0.203	5.27E-09	0.003	0.003	0.406	0.009	34.070	TRUE	1.06E-08
FVC	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	0.006	0.007	0.399	0.011	42.303	TRUE	1.77E-10
FVC	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	0.002	0.002	0.440	0.011	42.634	TRUE	1.45E-10

FVC	RPTOR	cg16892887	rs908236	C	G	0.462	0.024	0.351	2.49E-82	-0.002	0.003	0.385	0.091	369.231	TRUE	2.53E-78
FVC	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	-0.004	0.003	0.193	0.028	105.290	TRUE	1.00E-23
FVC	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	-0.005	0.003	0.072	0.027	101.286	TRUE	1.14E-22
FVC	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	0.003	0.003	0.228	0.008	31.398	TRUE	4.96E-08
FVC	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	0.010	0.004	0.022	0.022	83.367	TRUE	1.02E-18
FVC	RPTOR	cg16980736	rs2138118	A	C	0.158	0.024	0.483	2.52E-11	0.000	0.002	0.974	0.012	44.495	TRUE	3.55E-11
FVC	RPTOR	cg16980736	rs2589131	A	G	-0.530	0.033	0.152	1.01E-57	-0.003	0.003	0.341	0.065	256.328	TRUE	2.58E-55
FVC	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	0.001	0.002	0.810	0.008	31.087	TRUE	3.44E-08
FVC	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	-0.005	0.006	0.337	0.024	92.237	TRUE	4.15E-21
FVC	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	-0.001	0.003	0.812	0.010	36.268	TRUE	2.50E-09
FVC	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	0.004	0.006	0.461	0.008	30.872	TRUE	5.00E-08
FVC	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	-0.002	0.003	0.580	0.011	39.759	TRUE	5.24E-10
FVC	RPTOR	cg17060157	rs4889874	G	A	0.149	0.027	0.239	5.00E-08	-0.001	0.003	0.857	0.008	29.701	TRUE	6.67E-08
FVC	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	-0.005	0.003	0.060	0.032	122.625	TRUE	4.21E-27
FVC	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	-0.002	0.003	0.622	0.011	42.439	TRUE	1.33E-10
FVC	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	-0.001	0.003	0.742	0.016	59.059	TRUE	3.04E-14
FVC	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	0.004	0.005	0.389	0.010	36.306	TRUE	3.50E-09
FVC	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	0.003	0.003	0.311	0.056	220.988	TRUE	5.33E-48
FVC	RPTOR	cg17180011	rs4969307	C	G	0.245	0.024	0.357	1.60E-23	-0.002	0.003	0.385	0.026	99.850	TRUE	9.53E-23
FVC	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	-0.001	0.004	0.839	0.011	39.703	TRUE	4.35E-10
FVC	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	0.006	0.007	0.399	0.014	53.870	TRUE	5.74E-13
FVC	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	0.002	0.003	0.393	0.008	29.793	TRUE	9.05E-08
FVC	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	0.002	0.003	0.493	0.279	1428.138	TRUE	1.50E-275
FVC	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	0.007	0.009	0.445	0.015	56.667	TRUE	1.36E-13
FVC	RPTOR	cg17481637	rs116989815	T	A	-0.576	0.100	0.035	9.75E-09	0.003	0.006	0.615	0.009	32.873	TRUE	1.61E-08
FVC	RPTOR	cg17481637	rs117878919	A	G	0.309	0.055	0.092	1.58E-08	-0.004	0.004	0.324	0.009	31.933	TRUE	3.38E-08
FVC	RPTOR	cg17481637	rs118179825	G	C	-0.577	0.105	0.012	4.31E-08	0.006	0.009	0.532	0.008	29.990	TRUE	7.29E-08
FVC	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	-0.003	0.003	0.323	0.010	36.376	TRUE	3.70E-09
FVC	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	-0.001	0.003	0.588	0.018	68.429	TRUE	3.45E-16
FVC	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	-0.002	0.002	0.360	0.031	116.789	TRUE	2.61E-26
FVC	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	-0.001	0.003	0.787	0.010	35.644	TRUE	3.50E-09
FVC	RPTOR	cg17481637	rs56179246	G	A	-0.405	0.045	0.075	1.51E-19	-0.003	0.005	0.547	0.022	81.757	TRUE	5.17E-19
FVC	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	-0.002	0.003	0.493	0.014	53.488	TRUE	6.17E-13
FVC	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	0.002	0.002	0.466	0.022	82.506	TRUE	4.06E-19
FVC	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	0.012	0.010	0.235	0.011	40.621	TRUE	5.06E-10
FVC	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	-0.001	0.003	0.742	0.026	99.279	TRUE	7.49E-23
FVC	RPTOR	cg17628491	rs13341621	A	G	-0.373	0.050	0.080	7.91E-14	0.004	0.005	0.359	0.015	55.799	TRUE	2.33E-13
FVC	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	0.001	0.008	0.900	0.020	74.413	TRUE	1.28E-17
FVC	RPTOR	cg17628491	rs143673290	A	G	-0.502	0.089	0.039	1.76E-08	0.003	0.007	0.687	0.009	31.726	TRUE	2.70E-08
FVC	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	0.021	0.010	0.029	0.013	48.407	TRUE	2.07E-11
FVC	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	0.004	0.003	0.178	0.466	3226.955	TRUE	<1E-200
FVC	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	0.010	0.002	2.55E-05	0.008	31.139	TRUE	2.82E-07

FVC	RPTOR	cg17628491	rs4969307	C	G	-0.290	0.024	0.357	1.54E-32	-0.002	0.003	0.385	0.037	141.007	TRUE	2.03E-31
FVC	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	0.003	0.003	0.371	0.013	49.367	TRUE	5.46E-12
FVC	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	-0.001	0.004	0.839	0.017	64.381	TRUE	1.96E-15
FVC	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	0.001	0.002	0.824	0.075	298.255	TRUE	2.08E-64
FVC	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	0.007	0.004	0.062	0.009	35.133	TRUE	1.12E-08
FVC	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	0.006	0.007	0.399	0.050	193.782	TRUE	1.87E-42
FVC	RPTOR	cg17628491	rs7502314	C	G	-0.174	0.030	0.188	7.48E-09	0.007	0.003	0.026	0.009	33.387	TRUE	3.22E-08
FVC	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	0.016	0.010	0.115	0.012	45.677	TRUE	5.31E-11
FVC	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	0.001	0.011	0.909	0.008	31.152	TRUE	3.10E-08
FVC	RPTOR	cg17628491	rs8070259	T	C	-0.159	0.028	0.238	8.19E-09	-0.001	0.003	0.718	0.009	33.212	TRUE	1.25E-08
FVC	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	-0.002	0.003	0.622	0.008	30.261	TRUE	5.97E-08
FVC	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	0.003	0.003	0.203	0.015	55.708	TRUE	3.22E-13
FVC	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	0.004	0.003	0.134	0.032	122.840	TRUE	2.61E-27
FVC	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	0.000	0.002	0.960	0.010	37.304	TRUE	1.32E-09
FVC	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	0.000	0.002	0.952	0.080	320.196	TRUE	5.16E-69
FVC	RPTOR	cg17831694	rs8077305	T	A	-0.167	0.030	0.212	1.71E-08	-0.005	0.003	0.131	0.009	31.786	TRUE	4.86E-08
FVC	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	0.001	0.004	0.784	0.009	32.807	TRUE	1.47E-08
FVC	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	0.008	0.007	0.206	0.009	32.642	TRUE	2.73E-08
FVC	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	-0.001	0.004	0.735	0.010	38.913	TRUE	7.01E-10
FVC	RPTOR	cg17906851	rs1137045	G	A	0.136	0.023	0.472	4.58E-09	-0.004	0.002	0.148	0.009	34.342	TRUE	1.32E-08
FVC	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	-0.005	0.004	0.214	0.042	161.747	TRUE	1.45E-35
FVC	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	-0.009	0.005	0.085	0.018	69.264	TRUE	5.87E-16
FVC	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	-0.002	0.010	0.802	0.011	41.759	TRUE	1.60E-10
FVC	RPTOR	cg17906851	rs2289763	G	C	0.267	0.036	0.119	2.68E-13	0.006	0.004	0.108	0.014	53.403	TRUE	1.23E-12
FVC	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	-0.007	0.007	0.312	0.034	129.932	TRUE	4.97E-29
FVC	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	-0.005	0.003	0.108	0.013	46.915	TRUE	2.90E-11
FVC	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	0.005	0.003	0.095	0.112	468.317	TRUE	1.94E-97
FVC	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	0.002	0.002	0.407	0.008	31.275	TRUE	4.29E-08
FVC	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	0.011	0.006	0.076	0.015	54.467	TRUE	8.26E-13
FVC	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	0.006	0.007	0.399	0.011	41.541	TRUE	2.58E-10
FVC	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	0.001	0.004	0.739	0.035	133.841	TRUE	3.56E-30
FVC	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	0.003	0.002	0.167	0.532	4204.107	TRUE	<1E-200
FVC	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	-0.001	0.003	0.851	0.070	277.053	TRUE	4.42E-60
FVC	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	-0.005	0.008	0.567	0.008	31.598	TRUE	3.18E-08
FVC	RPTOR	cg17906851	rs8081382	A	T	0.165	0.024	0.391	6.76E-12	0.000	0.003	0.957	0.013	47.069	TRUE	9.76E-12
FVC	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	0.002	0.002	0.440	0.052	204.697	TRUE	9.42E-45
FVC	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	-0.002	0.004	0.491	0.012	45.994	TRUE	2.55E-11
FVC	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	0.003	0.003	0.228	0.018	68.397	TRUE	6.01E-16
FVC	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	-0.005	0.002	0.048	0.036	136.287	TRUE	6.51E-30
FVC	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	-0.012	0.004	0.007	0.008	31.151	TRUE	1.22E-07
FVC	RPTOR	cg17956530	rs4555197	G	C	-0.257	0.027	0.243	3.55E-21	0.005	0.003	0.065	0.024	89.159	TRUE	4.07E-20
FVC	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	-0.003	0.002	0.282	0.020	77.265	TRUE	7.01E-18

FVC	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	-0.004	0.004	0.286	0.011	42.769	TRUE	1.63E-10
FVC	RPTOR	cg17956530	rs56179246	G	A	-0.719	0.044	0.075	2.97E-59	-0.003	0.005	0.547	0.066	263.354	TRUE	5.58E-57
FVC	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	0.007	0.004	0.062	0.023	87.291	TRUE	1.05E-19
FVC	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	0.003	0.003	0.363	0.009	35.276	TRUE	6.08E-09
FVC	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	-0.002	0.003	0.493	0.024	89.850	TRUE	1.04E-20
FVC	RPTOR	cg17956530	rs76473598	G	C	-1.119	0.161	0.012	3.40E-12	0.000	0.010	0.980	0.013	48.417	TRUE	4.93E-12
FVC	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	0.004	0.004	0.346	0.281	1445.230	TRUE	4.07E-278
FVC	RPTOR	cg18091083	rs118179825	G	C	-1.213	0.105	0.012	7.60E-31	0.006	0.009	0.532	0.035	133.272	TRUE	6.42E-30
FVC	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	0.000	0.002	0.934	0.012	44.645	TRUE	3.38E-11
FVC	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	0.003	0.003	0.333	0.023	88.440	TRUE	2.69E-20
FVC	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	0.001	0.002	0.630	0.017	65.564	TRUE	1.38E-15
FVC	RPTOR	cg18091083	rs55737346	C	T	-0.534	0.073	0.034	2.34E-13	0.011	0.006	0.076	0.014	53.663	TRUE	1.21E-12
FVC	RPTOR	cg18091083	rs73368831	C	A	-1.433	0.051	0.045	1.22E-173	0.011	0.005	0.041	0.176	788.744	TRUE	8.82E-159
FVC	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	-0.002	0.003	0.556	0.031	119.579	TRUE	4.79E-27
FVC	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	-0.001	0.004	0.735	0.014	53.078	TRUE	5.94E-13
FVC	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	0.005	0.003	0.178	0.018	69.142	TRUE	4.52E-16
FVC	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	-0.005	0.004	0.214	0.026	98.870	TRUE	2.19E-22
FVC	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	-0.009	0.005	0.085	0.013	50.255	TRUE	6.24E-12
FVC	RPTOR	cg18425700	rs2271610	G	C	0.410	0.033	0.135	1.16E-34	-0.007	0.004	0.039	0.039	150.710	TRUE	7.32E-33
FVC	RPTOR	cg18425700	rs36022926	T	A	0.155	0.027	0.250	1.01E-08	0.000	0.003	0.879	0.009	32.807	TRUE	1.36E-08
FVC	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	-0.001	0.002	0.713	0.035	133.856	TRUE	3.70E-30
FVC	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	-0.005	0.003	0.035	0.014	52.062	TRUE	3.27E-12
FVC	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	0.005	0.005	0.280	0.014	50.958	TRUE	2.86E-12
FVC	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	0.005	0.003	0.066	0.009	32.639	TRUE	3.72E-08
FVC	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	0.004	0.004	0.364	0.010	38.274	TRUE	1.36E-09
FVC	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	0.003	0.003	0.222	0.078	314.425	TRUE	5.56E-67
FVC	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	0.003	0.002	0.167	0.352	2010.044	TRUE	<1E-200
FVC	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	0.001	0.004	0.781	0.008	30.398	TRUE	4.95E-08
FVC	RPTOR	cg18425700	rs8081382	A	T	0.141	0.024	0.391	4.77E-09	0.000	0.003	0.957	0.009	34.261	TRUE	6.14E-09
FVC	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	0.002	0.002	0.440	0.044	171.059	TRUE	9.40E-38
FVC	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	0.002	0.003	0.379	0.010	36.122	TRUE	3.91E-09
FVC	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	-0.001	0.002	0.713	0.010	38.530	TRUE	8.71E-10
FVC	RPTOR	cg18607849	rs62069420	A	T	-0.830	0.050	0.058	5.35E-63	-0.006	0.006	0.301	0.070	280.523	TRUE	3.31E-60
FVC	RPTOR	cg18612040	rs908236	C	G	-0.181	0.025	0.351	2.11E-13	-0.002	0.003	0.385	0.014	53.870	TRUE	5.88E-13
FVC	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	0.001	0.003	0.579	0.009	33.015	TRUE	1.54E-08
FVC	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	0.000	0.003	0.899	0.023	85.240	TRUE	6.17E-20
FVC	RPTOR	cg18758433	rs118179825	G	C	0.839	0.105	0.012	1.44E-15	0.006	0.009	0.532	0.017	63.675	TRUE	3.84E-15
FVC	RPTOR	cg18758433	rs12601434	G	C	-0.312	0.027	0.234	6.97E-31	-0.001	0.003	0.847	0.035	133.445	TRUE	3.64E-30
FVC	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	0.003	0.003	0.228	0.009	35.105	TRUE	7.86E-09
FVC	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	-0.001	0.002	0.680	0.077	308.823	TRUE	2.02E-66
FVC	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	-0.005	0.004	0.193	0.015	57.192	TRUE	1.54E-13
FVC	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	-0.002	0.006	0.725	0.015	54.566	TRUE	2.87E-13

FVC	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	0.003	0.004	0.396	0.010	36.696	TRUE	2.87E-09
FVC	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	0.002	0.007	0.728	0.010	37.556	TRUE	1.39E-09
FVC	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	-0.001	0.003	0.660	0.009	33.443	TRUE	1.17E-08
FVC	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	0.003	0.003	0.310	0.080	319.702	TRUE	3.48E-68
FVC	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	0.001	0.002	0.654	0.010	36.422	TRUE	2.63E-09
FVC	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	0.002	0.002	0.446	0.009	33.497	TRUE	1.35E-08
FVC	RPTOR	cg18780100	rs9915667	A	G	0.178	0.024	0.438	4.64E-14	0.003	0.002	0.200	0.015	56.844	TRUE	1.77E-13
FVC	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	-0.009	0.005	0.085	0.012	45.247	TRUE	7.24E-11
FVC	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	0.003	0.003	0.203	0.014	53.123	TRUE	1.15E-12
FVC	RPTOR	cg19060120	rs34781048	A	G	0.164	0.024	0.434	8.07E-12	0.001	0.002	0.702	0.012	46.724	TRUE	1.45E-11
FVC	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	-0.004	0.004	0.286	0.034	130.485	TRUE	4.11E-29
FVC	RPTOR	cg19060120	rs72850576	A	C	-0.185	0.033	0.155	1.48E-08	0.003	0.003	0.314	0.009	32.058	TRUE	3.18E-08
FVC	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	0.023	0.008	0.003	0.011	41.353	TRUE	1.05E-09
FVC	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	-0.003	0.002	0.298	0.026	99.388	TRUE	1.39E-22
FVC	RPTOR	cg19292222	rs13341621	A	G	0.328	0.050	0.080	5.55E-11	0.004	0.005	0.359	0.011	42.949	TRUE	1.34E-10
FVC	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	-0.002	0.010	0.802	0.029	110.081	TRUE	3.49E-25
FVC	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	0.002	0.003	0.578	0.125	527.692	TRUE	3.88E-110
FVC	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	0.002	0.006	0.804	0.009	33.116	TRUE	1.23E-08
FVC	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	0.003	0.002	0.182	0.049	190.676	TRUE	1.56E-41
FVC	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	0.003	0.005	0.527	0.164	725.624	TRUE	2.25E-148
FVC	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	0.000	0.002	0.976	0.022	82.705	TRUE	1.99E-19
FVC	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	-0.002	0.003	0.622	0.012	46.047	TRUE	2.20E-11
FVC	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	0.003	0.003	0.203	0.035	133.965	TRUE	9.75E-30
FVC	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	-0.002	0.005	0.728	0.019	73.524	TRUE	2.42E-17
FVC	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	-0.001	0.004	0.736	0.060	237.963	TRUE	6.30E-52
FVC	RPTOR	cg19394169	rs4969323	C	G	-0.255	0.030	0.203	2.72E-17	0.003	0.003	0.406	0.019	71.502	TRUE	9.62E-17
FVC	RPTOR	cg19394169	rs547581211	A	T	0.341	0.059	0.036	6.11E-09	0.010	0.006	0.077	0.009	33.782	TRUE	2.06E-08
FVC	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	0.000	0.003	0.912	0.012	45.232	TRUE	2.57E-11
FVC	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	0.003	0.003	0.284	0.053	205.905	TRUE	7.73E-45
FVC	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	0.001	0.004	0.774	0.051	197.506	TRUE	1.50E-43
FVC	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	-0.001	0.002	0.846	0.441	2922.027	TRUE	<1E-200
FVC	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	-0.002	0.003	0.626	0.050	194.802	TRUE	7.27E-43
FVC	RPTOR	cg19394169	rs9903399	C	T	0.231	0.041	0.222	1.56E-08	0.001	0.003	0.645	0.009	31.960	TRUE	2.47E-08
FVC	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	0.002	0.003	0.443	0.053	206.602	TRUE	3.64E-45
FVC	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	0.002	0.002	0.312	0.008	30.878	TRUE	5.73E-08
FVC	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	0.010	0.004	0.016	0.031	117.133	TRUE	1.04E-25
FVC	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	0.007	0.004	0.062	0.009	33.866	TRUE	2.09E-08
FVC	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	-0.005	0.006	0.337	0.010	38.061	TRUE	1.55E-09
FVC	RPTOR	cg20462129	rs9915667	A	G	-0.140	0.023	0.438	1.62E-09	0.003	0.002	0.200	0.010	36.364	TRUE	4.30E-09
FVC	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	0.002	0.003	0.493	0.012	44.267	TRUE	6.08E-11
FVC	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	-0.001	0.002	0.713	0.015	56.992	TRUE	8.75E-14
FVC	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	0.001	0.006	0.916	0.038	144.150	TRUE	1.84E-32

FVC	RPTOR	cg20500836	rs908241	A	G	-0.264	0.047	0.129	1.77E-08	0.005	0.004	0.153	0.009	31.717	TRUE	4.72E-08
FVC	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	0.002	0.002	0.546	0.488	3524.466	TRUE	<1E-200
FVC	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	-0.002	0.004	0.626	0.013	49.906	TRUE	3.20E-12
FVC	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	-0.008	0.005	0.107	0.031	117.598	TRUE	3.63E-26
FVC	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	-0.002	0.003	0.606	0.012	45.166	TRUE	3.49E-11
FVC	RPTOR	cg20502501	rs2589131	A	G	-0.258	0.034	0.152	1.64E-14	-0.003	0.003	0.341	0.016	58.887	TRUE	5.17E-14
FVC	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	-0.003	0.003	0.253	0.015	56.727	TRUE	1.75E-13
FVC	RPTOR	cg20502501	rs4969426	A	T	-0.179	0.024	0.375	6.79E-14	0.000	0.002	0.963	0.015	56.097	TRUE	1.07E-13
FVC	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	-0.005	0.006	0.337	0.034	129.225	TRUE	6.50E-29
FVC	RPTOR	cg20502501	rs60024815	T	A	-0.365	0.027	0.251	8.50E-43	-0.002	0.003	0.515	0.048	187.943	TRUE	2.31E-41
FVC	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	0.011	0.004	0.012	0.036	138.193	TRUE	5.07E-30
FVC	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	-0.002	0.002	0.431	0.012	44.178	TRUE	6.74E-11
FVC	RPTOR	cg20502501	rs73368831	C	A	0.627	0.053	0.045	7.12E-32	0.011	0.005	0.041	0.036	137.973	TRUE	3.16E-30
FVC	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	0.000	0.005	0.993	0.042	162.462	TRUE	2.26E-36
FVC	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	0.002	0.002	0.489	0.052	203.321	TRUE	1.63E-44
FVC	RPTOR	cg20758492	rs9894515	T	A	-0.363	0.058	0.041	4.72E-10	0.005	0.006	0.381	0.010	38.767	TRUE	1.04E-09
FVC	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	0.001	0.011	0.967	0.008	31.647	TRUE	2.31E-08
FVC	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	0.005	0.003	0.087	0.072	287.126	TRUE	4.25E-61
FVC	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	0.000	0.003	0.931	0.011	40.326	TRUE	2.95E-10
FVC	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	-0.002	0.002	0.480	0.010	35.825	TRUE	4.11E-09
FVC	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	-0.001	0.003	0.794	0.033	124.669	TRUE	2.88E-28
FVC	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	0.001	0.003	0.579	0.035	132.425	TRUE	9.07E-30
FVC	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	0.005	0.003	0.078	0.019	72.347	TRUE	1.36E-16
FVC	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	-0.001	0.003	0.752	0.304	1614.509	TRUE	6.92E-308
FVC	RPTOR	cg21143224	rs112803228	A	G	-0.886	0.106	0.031	4.76E-17	0.007	0.007	0.312	0.019	70.396	TRUE	1.92E-16
FVC	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	0.006	0.008	0.436	0.015	57.513	TRUE	9.04E-14
FVC	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	-0.002	0.003	0.518	0.009	33.969	TRUE	1.00E-08
FVC	RPTOR	cg21143224	rs4072746	T	C	0.215	0.038	0.115	1.62E-08	0.001	0.004	0.808	0.009	31.890	TRUE	2.27E-08
FVC	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	-0.002	0.003	0.492	0.040	155.050	TRUE	1.89E-34
FVC	RPTOR	cg21143224	rs4555197	G	C	0.262	0.027	0.243	5.03E-22	0.005	0.003	0.065	0.025	93.025	TRUE	6.27E-21
FVC	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	0.005	0.006	0.419	0.027	101.411	TRUE	4.17E-23
FVC	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	-0.005	0.003	0.072	0.048	187.472	TRUE	1.31E-40
FVC	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	0.007	0.004	0.062	0.010	38.129	TRUE	2.58E-09
FVC	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	-0.003	0.003	0.334	0.023	87.734	TRUE	3.80E-20
FVC	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	-0.003	0.003	0.337	0.015	56.424	TRUE	1.78E-13
FVC	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	0.005	0.003	0.088	0.021	80.923	TRUE	1.98E-18
FVC	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	0.005	0.003	0.078	0.011	40.656	TRUE	7.07E-10
FVC	RPTOR	cg21507958	rs118179825	G	C	-0.836	0.105	0.012	2.07E-15	0.006	0.009	0.532	0.017	62.965	TRUE	5.45E-15
FVC	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	0.003	0.003	0.333	0.016	60.923	TRUE	1.93E-14
FVC	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	0.002	0.002	0.463	0.019	73.530	TRUE	3.32E-17
FVC	RPTOR	cg21507958	rs73368831	C	A	-1.228	0.052	0.045	8.50E-124	0.011	0.005	0.041	0.131	559.674	TRUE	5.25E-115
FVC	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	0.009	0.009	0.307	0.031	117.654	TRUE	1.91E-26

FVC	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	-0.005	0.008	0.567	0.033	127.980	TRUE	8.02E-29
FVC	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	0.002	0.003	0.397	0.019	73.517	TRUE	3.65E-17
FVC	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	0.003	0.003	0.222	0.024	91.490	TRUE	7.67E-21
FVC	RPTOR	cg22255288	rs75032657	G	C	-0.171	0.026	0.242	1.17E-10	0.003	0.003	0.222	0.011	41.499	TRUE	3.33E-10
FVC	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	0.003	0.002	0.224	0.020	75.074	TRUE	2.27E-17
FVC	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	0.008	0.004	0.087	0.013	47.957	TRUE	1.92E-11
FVC	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	-0.001	0.002	0.695	0.031	118.674	TRUE	5.97E-27
FVC	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	0.001	0.011	0.967	0.009	32.766	TRUE	1.31E-08
FVC	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	0.001	0.004	0.751	0.094	384.224	TRUE	8.63E-82
FVC	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	0.000	0.002	0.883	0.014	53.350	TRUE	4.48E-13
FVC	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	-0.005	0.004	0.214	0.009	34.867	TRUE	9.06E-09
FVC	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	0.003	0.003	0.328	0.054	209.690	TRUE	1.10E-45
FVC	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	-0.003	0.004	0.397	0.009	34.689	TRUE	7.91E-09
FVC	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	-0.001	0.003	0.742	0.056	217.933	TRUE	9.01E-48
FVC	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	0.004	0.005	0.359	0.024	91.304	TRUE	6.35E-21
FVC	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	0.021	0.010	0.029	0.014	52.044	TRUE	3.52E-12
FVC	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	0.004	0.003	0.178	0.405	2517.411	TRUE	<1E-200
FVC	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	0.003	0.003	0.371	0.014	53.530	TRUE	6.97E-13
FVC	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	-0.001	0.004	0.839	0.012	44.399	TRUE	4.13E-11
FVC	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	0.007	0.004	0.062	0.010	36.424	TRUE	5.95E-09
FVC	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	0.006	0.007	0.399	0.017	62.390	TRUE	8.58E-15
FVC	RPTOR	cg22636722	rs908236	C	G	0.291	0.025	0.351	2.76E-32	-0.002	0.003	0.385	0.036	139.849	TRUE	3.55E-31
FVC	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	0.002	0.003	0.393	0.012	43.433	TRUE	1.01E-10
FVC	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	0.002	0.002	0.463	0.014	52.792	TRUE	9.16E-13
FVC	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	0.003	0.003	0.217	0.011	43.014	TRUE	1.59E-10
FVC	RPTOR	cg22652378	rs34461761	C	G	0.265	0.037	0.114	1.50E-12	0.000	0.004	0.958	0.013	50.017	TRUE	2.25E-12
FVC	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	-0.002	0.002	0.463	0.046	179.265	TRUE	1.64E-39
FVC	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	0.000	0.003	0.865	0.008	31.504	TRUE	2.65E-08
FVC	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	0.005	0.003	0.096	0.032	121.569	TRUE	5.61E-27
FVC	RPTOR	cg22838354	rs4969429	A	G	-0.153	0.026	0.273	4.78E-09	-0.001	0.003	0.698	0.009	34.257	TRUE	7.43E-09
FVC	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	-0.002	0.004	0.626	0.026	97.401	TRUE	2.17E-22
FVC	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	-0.008	0.005	0.107	0.025	95.993	TRUE	1.24E-21
FVC	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	0.001	0.011	0.967	0.020	75.083	TRUE	8.62E-18
FVC	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	0.001	0.003	0.607	0.167	743.121	TRUE	7.76E-152
FVC	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	-0.001	0.002	0.573	0.056	219.195	TRUE	6.99E-48
FVC	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	0.001	0.004	0.751	0.211	988.951	TRUE	5.50E-198
FVC	RPTOR	cg22878693	rs4996915	T	G	-0.277	0.048	0.082	5.90E-09	0.002	0.006	0.685	0.009	33.848	TRUE	9.36E-09
FVC	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	0.007	0.004	0.062	0.022	82.919	TRUE	8.70E-19
FVC	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	0.003	0.003	0.363	0.030	113.519	TRUE	1.27E-25
FVC	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	-0.003	0.003	0.334	0.039	150.824	TRUE	1.96E-33
FVC	RPTOR	cg22878693	rs72858222	G	C	-0.672	0.096	0.035	1.96E-12	0.003	0.007	0.650	0.013	49.493	TRUE	3.85E-12
FVC	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	0.002	0.002	0.391	0.048	187.509	TRUE	3.70E-41

FVC	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	0.003	0.003	0.371	0.024	91.212	TRUE	6.52E-21
FVC	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	-0.002	0.006	0.725	0.049	190.893	TRUE	3.90E-42
FVC	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	0.003	0.003	0.217	0.040	153.368	TRUE	7.94E-34
FVC	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	0.003	0.003	0.421	0.017	64.965	TRUE	2.36E-15
FVC	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	-0.001	0.002	0.713	0.088	355.387	TRUE	6.44E-76
FVC	RPTOR	cg22984380	rs4969429	A	G	0.277	0.026	0.273	6.39E-26	-0.001	0.003	0.698	0.029	110.788	TRUE	2.79E-25
FVC	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	0.001	0.003	0.866	0.020	74.822	TRUE	1.08E-17
FVC	RPTOR	cg22984380	rs7223529	A	T	0.220	0.028	0.228	3.05E-15	-0.002	0.003	0.547	0.017	62.200	TRUE	7.88E-15
FVC	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	0.000	0.005	0.993	0.078	313.751	TRUE	9.96E-68
FVC	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	0.000	0.003	0.891	0.367	2143.020	TRUE	<1E-200
FVC	RPTOR	cg22984380	rs9909563	T	A	-0.317	0.027	0.269	2.02E-32	-0.001	0.003	0.727	0.037	140.477	TRUE	1.48E-31
FVC	RPTOR	cg23019125	rs112803228	A	G	-0.677	0.106	0.031	1.77E-10	0.007	0.007	0.312	0.011	40.686	TRUE	4.38E-10
FVC	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	0.010	0.010	0.302	0.016	59.253	TRUE	4.66E-14
FVC	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	0.000	0.003	0.949	0.015	55.471	TRUE	1.50E-13
FVC	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	0.002	0.003	0.582	0.168	749.017	TRUE	6.34E-153
FVC	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	-0.001	0.003	0.811	0.019	69.915	TRUE	1.30E-16
FVC	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	-0.001	0.002	0.713	0.031	118.686	TRUE	5.94E-27
FVC	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	0.001	0.003	0.866	0.009	32.241	TRUE	1.82E-08
FVC	RPTOR	cg23238734	rs8073414	G	A	-0.172	0.024	0.353	1.84E-12	0.002	0.002	0.438	0.013	49.618	TRUE	4.54E-12
FVC	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	0.001	0.004	0.849	0.014	52.300	TRUE	7.88E-13
FVC	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	0.001	0.003	0.632	0.009	34.477	TRUE	7.03E-09
FVC	RPTOR	cg23463786	rs9889802	G	C	-0.174	0.030	0.184	8.81E-09	-0.004	0.003	0.156	0.009	33.071	TRUE	2.42E-08
FVC	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	-0.002	0.002	0.407	0.009	33.008	TRUE	1.80E-08
FVC	RPTOR	cg23542426	rs7209810	C	G	0.498	0.049	0.059	4.86E-24	-0.005	0.006	0.322	0.027	102.207	TRUE	3.33E-23
FVC	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	0.002	0.003	0.592	0.024	91.546	TRUE	4.07E-21
FVC	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	-0.009	0.005	0.085	0.014	52.290	TRUE	2.31E-12
FVC	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	0.003	0.003	0.203	0.022	84.064	TRUE	3.07E-19
FVC	RPTOR	cg23736297	rs34781048	A	G	0.171	0.024	0.434	1.42E-12	0.001	0.002	0.702	0.013	50.130	TRUE	2.65E-12
FVC	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	-0.004	0.004	0.286	0.058	226.660	TRUE	4.06E-49
FVC	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	0.006	0.007	0.399	0.009	34.912	TRUE	7.01E-09
FVC	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	0.002	0.003	0.443	0.010	37.620	TRUE	1.73E-09
FVC	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	-0.001	0.002	0.609	0.120	502.239	TRUE	3.53E-105
FVC	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	-0.003	0.004	0.397	0.012	43.945	TRUE	7.91E-11
FVC	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	0.021	0.010	0.029	0.015	57.490	TRUE	2.50E-13
FVC	RPTOR	cg24207068	rs2289763	G	C	1.202	0.032	0.119	<1E-200	0.006	0.004	0.108	0.278	1421.615	TRUE	4.28E-273
FVC	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	0.002	0.007	0.728	0.008	30.958	TRUE	3.86E-08
FVC	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	0.000	0.003	0.923	0.052	201.448	TRUE	1.70E-44
FVC	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	0.006	0.003	0.017	0.011	41.613	TRUE	6.40E-10
FVC	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	-0.001	0.003	0.691	0.009	33.984	TRUE	8.59E-09
FVC	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	0.004	0.006	0.525	0.020	75.775	TRUE	1.01E-17
FVC	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	0.003	0.003	0.363	0.016	60.400	TRUE	2.41E-14
FVC	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	0.003	0.005	0.527	0.027	103.256	TRUE	1.44E-23

FVC	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	-0.001	0.003	0.851	0.075	297.971	TRUE	2.26E-64
FVC	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	0.003	0.004	0.347	0.009	32.160	TRUE	2.93E-08
FVC	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	-0.001	0.004	0.735	0.010	38.374	TRUE	9.19E-10
FVC	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	-0.002	0.003	0.622	0.018	69.079	TRUE	2.43E-16
FVC	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	0.001	0.004	0.774	0.019	71.116	TRUE	7.52E-17
FVC	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	-0.002	0.002	0.317	0.016	60.754	TRUE	2.16E-14
FVC	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	0.000	0.008	0.977	0.008	30.330	TRUE	4.47E-08
FVC	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	0.010	0.006	0.090	0.010	36.095	TRUE	6.32E-09
FVC	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	-0.005	0.006	0.425	0.017	63.053	TRUE	5.95E-15
FVC	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	0.004	0.003	0.178	0.102	418.606	TRUE	7.42E-88
FVC	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	-0.001	0.003	0.820	0.020	74.544	TRUE	1.31E-17
FVC	RPTOR	cg24315876	rs3751934	A	C	0.387	0.024	0.401	2.99E-59	-0.001	0.003	0.693	0.066	263.340	TRUE	4.11E-57
FVC	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	-0.002	0.005	0.728	0.020	77.121	TRUE	4.10E-18
FVC	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	0.001	0.003	0.641	0.159	698.053	TRUE	2.69E-143
FVC	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	0.009	0.009	0.307	0.010	36.636	TRUE	3.29E-09
FVC	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	0.000	0.003	0.912	0.018	68.106	TRUE	2.90E-16
FVC	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	-0.003	0.004	0.443	0.110	456.324	TRUE	7.68E-96
FVC	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	-0.001	0.003	0.789	0.010	38.670	TRUE	7.61E-10
FVC	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	0.002	0.002	0.440	0.318	1722.199	TRUE	<1E-200
FVC	RPTOR	cg24315876	rs9903399	C	T	0.294	0.041	0.222	4.93E-13	0.001	0.003	0.645	0.014	52.203	TRUE	9.94E-13
FVC	RPTOR	cg24315876	rs9915393	G	C	0.645	0.026	0.258	3.42E-137	-0.001	0.003	0.730	0.144	621.228	TRUE	1.26E-128
FVC	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	0.003	0.003	0.392	0.168	747.648	TRUE	2.54E-152
FVC	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	-0.005	0.004	0.214	0.009	32.834	TRUE	2.48E-08
FVC	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	0.003	0.003	0.328	0.060	235.207	TRUE	5.90E-51
FVC	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	0.004	0.005	0.389	0.013	47.762	TRUE	1.18E-11
FVC	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	0.000	0.003	0.923	0.013	49.042	TRUE	3.73E-12
FVC	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	0.001	0.003	0.866	0.008	31.305	TRUE	2.92E-08
FVC	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	0.007	0.004	0.062	0.010	38.175	TRUE	2.52E-09
FVC	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	0.006	0.007	0.399	0.011	40.413	TRUE	4.53E-10
FVC	RPTOR	cg24327522	rs7502321	C	T	0.142	0.024	0.386	3.62E-09	0.000	0.002	0.933	0.009	34.800	TRUE	4.79E-09
FVC	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	-0.001	0.003	0.851	0.037	143.167	TRUE	3.22E-32
FVC	RPTOR	cg24343322	rs71368095	A	G	-0.159	0.028	0.219	8.46E-09	0.003	0.003	0.222	0.009	33.148	TRUE	2.09E-08
FVC	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	0.003	0.002	0.167	0.024	90.663	TRUE	1.32E-20
FVC	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	0.000	0.002	0.926	0.014	53.838	TRUE	3.41E-13
FVC	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	0.003	0.002	0.179	0.069	273.325	TRUE	1.55E-58
FVC	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	0.001	0.002	0.789	0.009	32.226	TRUE	1.93E-08
FVC	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	-0.006	0.004	0.167	0.010	37.168	TRUE	3.13E-09
FVC	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	0.006	0.002	0.021	0.014	53.012	TRUE	2.45E-12
FVC	RPTOR	cg25288455	rs12185227	G	C	-0.137	0.024	0.390	7.87E-09	-0.002	0.002	0.480	0.009	33.288	TRUE	1.46E-08
FVC	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	-0.005	0.002	0.034	0.037	143.654	TRUE	2.20E-31
FVC	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	0.010	0.004	0.019	0.013	48.607	TRUE	2.12E-11
FVC	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	-0.010	0.004	0.018	0.012	45.656	TRUE	8.87E-11

FVC	RPTOR	cg25673241	rs12185227	G	C	-0.137	0.024	0.390	9.17E-09	-0.002	0.002	0.480	0.009	32.992	TRUE	1.70E-08
FVC	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	-0.005	0.002	0.034	0.024	92.786	TRUE	8.93E-21
FVC	RPTOR	cg25673241	rs62069691	T	A	0.302	0.041	0.087	2.13E-13	0.007	0.004	0.083	0.014	53.856	TRUE	1.09E-12
FVC	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	-0.001	0.002	0.714	0.010	36.864	TRUE	2.01E-09
FVC	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	0.004	0.003	0.178	0.012	46.209	TRUE	3.50E-11
FVC	RPTOR	cg25739309	rs3751937	A	C	-0.188	0.031	0.203	1.19E-09	-0.005	0.003	0.123	0.010	36.963	TRUE	3.84E-09
FVC	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	0.001	0.003	0.659	0.054	210.465	TRUE	3.62E-46
FVC	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	0.005	0.003	0.178	0.008	31.439	TRUE	5.15E-08
FVC	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	-0.002	0.003	0.622	0.025	94.316	TRUE	9.96E-22
FVC	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	0.007	0.003	0.009	0.013	50.567	TRUE	9.63E-12
FVC	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	-0.004	0.004	0.205	0.008	31.173	TRUE	5.67E-08
FVC	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	0.021	0.010	0.029	0.013	46.839	TRUE	4.43E-11
FVC	RPTOR	cg25902229	rs2289765	G	A	1.029	0.033	0.137	1.51E-212	0.004	0.004	0.292	0.207	967.618	TRUE	3.71E-193
FVC	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	0.002	0.003	0.499	0.009	34.655	TRUE	7.20E-09
FVC	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	-0.005	0.002	0.034	0.014	53.714	TRUE	1.47E-12
FVC	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	-0.001	0.002	0.698	0.291	1521.519	TRUE	4.78E-292
FVC	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	0.003	0.002	0.158	0.041	156.454	TRUE	2.22E-34
FVC	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	0.000	0.003	0.912	0.010	37.626	TRUE	1.17E-09
FVC	RPTOR	cg25902229	rs58903229	A	T	0.560	0.049	0.080	6.34E-30	0.004	0.005	0.378	0.034	129.063	TRUE	6.47E-29
FVC	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	-0.003	0.002	0.298	0.038	144.298	TRUE	4.97E-32
FVC	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	-0.002	0.003	0.538	0.059	230.051	TRUE	4.16E-50
FVC	RPTOR	cg25902229	rs7209723	C	G	0.163	0.028	0.247	4.09E-09	0.001	0.003	0.673	0.009	34.562	TRUE	6.59E-09
FVC	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	0.001	0.003	0.866	0.011	41.634	TRUE	1.60E-10
FVC	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	0.003	0.005	0.527	0.011	39.926	TRUE	5.09E-10
FVC	RPTOR	cg25902229	rs7502321	C	T	0.205	0.024	0.386	1.29E-17	0.000	0.002	0.933	0.019	72.965	TRUE	2.54E-17
FVC	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	0.016	0.010	0.115	0.008	30.994	TRUE	7.35E-08
FVC	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	0.003	0.004	0.347	0.010	36.328	TRUE	3.66E-09
FVC	RPTOR	cg25902229	rs9897600	T	C	0.237	0.043	0.082	4.39E-08	0.003	0.004	0.506	0.008	29.953	TRUE	7.59E-08
FVC	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	0.001	0.004	0.794	0.008	30.109	TRUE	5.68E-08
FVC	RPTOR	cg25985643	rs116931702	G	C	-0.398	0.045	0.069	5.70E-19	0.004	0.005	0.434	0.021	79.127	TRUE	2.18E-18
FVC	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	-0.001	0.002	0.573	0.017	65.878	TRUE	1.26E-15
FVC	RPTOR	cg25985643	rs12951739	T	G	-0.639	0.023	0.455	2.38E-175	0.002	0.002	0.425	0.177	796.605	TRUE	1.17E-161
FVC	RPTOR	cg25985643	rs2672871	C	G	-0.190	0.030	0.187	2.37E-10	0.002	0.003	0.488	0.011	40.112	TRUE	4.81E-10
FVC	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	-0.003	0.004	0.504	0.012	46.210	TRUE	2.25E-11
FVC	RPTOR	cg25985643	rs4072746	T	C	0.231	0.038	0.115	1.63E-09	0.001	0.004	0.808	0.010	36.356	TRUE	2.39E-09
FVC	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	0.003	0.004	0.485	0.011	41.998	TRUE	1.89E-10
FVC	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	0.010	0.004	0.020	0.050	193.597	TRUE	1.47E-41
FVC	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	0.002	0.007	0.728	0.008	30.300	TRUE	5.38E-08
FVC	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	0.004	0.003	0.307	0.028	105.859	TRUE	5.91E-24
FVC	RPTOR	cg25985643	rs72856538	C	G	-0.191	0.028	0.219	1.62E-11	-0.003	0.003	0.274	0.012	45.362	TRUE	4.48E-11
FVC	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	-0.002	0.003	0.447	0.040	152.875	TRUE	5.62E-34
FVC	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	0.002	0.003	0.487	0.020	76.735	TRUE	6.60E-18

FVC	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	-0.001	0.003	0.811	0.017	63.801	TRUE	2.68E-15
FVC	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	0.002	0.002	0.508	0.018	67.895	TRUE	4.97E-16
FVC	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	0.001	0.002	0.789	0.013	48.814	TRUE	4.69E-12
FVC	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	0.003	0.003	0.371	0.016	60.284	TRUE	2.51E-14
FVC	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	0.003	0.002	0.235	0.076	303.809	TRUE	7.28E-65
FVC	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	0.002	0.002	0.440	0.008	30.163	TRUE	7.33E-08
FVC	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	0.002	0.003	0.500	0.014	52.652	TRUE	9.35E-13
FVC	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	0.002	0.002	0.312	0.052	204.673	TRUE	1.26E-44
FVC	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	0.002	0.002	0.508	0.009	34.318	TRUE	8.53E-09
FVC	RPTOR	cg26714263	rs7222906	C	T	0.195	0.029	0.202	2.33E-11	0.001	0.003	0.732	0.012	44.645	TRUE	4.01E-11
FVC	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	0.016	0.010	0.115	0.024	90.737	TRUE	1.52E-20
FVC	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	-0.001	0.002	0.551	0.009	33.624	TRUE	1.15E-08
FVC	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	-0.002	0.002	0.493	0.021	81.216	TRUE	7.11E-19
FVC	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	0.003	0.003	0.203	0.033	127.987	TRUE	1.74E-28
FVC	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	0.001	0.003	0.724	0.008	31.433	TRUE	3.04E-08
FVC	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	0.016	0.010	0.115	0.019	70.262	TRUE	3.20E-16
FVC	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	0.006	0.009	0.522	0.009	32.160	TRUE	2.48E-08
FVC	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	-0.010	0.007	0.188	0.012	45.188	TRUE	5.71E-11
FVC	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	-0.002	0.004	0.548	0.017	63.367	TRUE	4.40E-15
FVC	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	-0.007	0.006	0.246	0.018	66.359	TRUE	1.57E-15
FVC	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	0.002	0.003	0.459	0.015	57.073	TRUE	1.09E-13
FVC	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	-0.001	0.003	0.604	0.031	116.727	TRUE	1.79E-26
FVC	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	-0.002	0.003	0.358	0.020	76.700	TRUE	8.09E-18
FVC	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	0.005	0.003	0.096	0.026	98.989	TRUE	3.04E-22
FVC	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	-0.001	0.002	0.713	0.036	138.043	TRUE	4.84E-31
FVC	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	0.004	0.003	0.116	0.010	39.221	TRUE	1.27E-09
FVC	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	0.001	0.003	0.719	0.015	57.639	TRUE	6.25E-14
FVC	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	0.002	0.007	0.728	0.025	94.634	TRUE	7.37E-22
FVC	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	0.003	0.004	0.415	0.020	76.036	TRUE	1.02E-17
FVC	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	-0.003	0.003	0.337	0.018	68.457	TRUE	4.78E-16
FVC	RPTOR	cg27210166	rs9909563	T	A	-0.194	0.027	0.269	4.61E-13	-0.001	0.003	0.727	0.014	52.334	TRUE	8.82E-13
FVC	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	-0.005	0.004	0.214	0.010	36.418	TRUE	4.20E-09
FVC	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	-0.001	0.002	0.551	0.018	66.697	TRUE	8.40E-16
FVC	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	0.003	0.003	0.258	0.069	273.771	TRUE	8.92E-59
FVC	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	0.001	0.003	0.678	0.017	63.813	TRUE	3.06E-15
FVC	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	-0.003	0.002	0.298	0.009	31.999	TRUE	3.35E-08
FVC	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	0.002	0.002	0.440	0.018	68.371	TRUE	4.34E-16
FVC	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	0.002	0.003	0.393	0.016	59.177	TRUE	4.17E-14
FVC	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	0.003	0.003	0.421	0.012	44.319	TRUE	6.37E-11
FVC	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	0.001	0.003	0.678	0.079	316.635	TRUE	5.01E-68
FVC	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	-0.005	0.002	0.034	0.014	50.632	TRUE	6.58E-12
FVC	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	0.003	0.003	0.281	0.009	32.075	TRUE	3.35E-08

FVC	RPTOR	cg27460531	rs4969426	A	T	0.134	0.024	0.375	1.92E-08	0.000	0.002	0.963	0.008	31.558	TRUE	2.42E-08
FVC	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	0.005	0.005	0.310	0.015	56.774	TRUE	1.55E-13
FVC	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	0.004	0.004	0.243	0.014	51.278	TRUE	2.59E-12
FVC	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	0.003	0.002	0.287	0.016	61.662	TRUE	1.47E-14
FVC	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	0.006	0.009	0.522	0.009	31.868	TRUE	2.87E-08
FVC	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	-0.003	0.002	0.282	0.013	49.483	TRUE	5.90E-12
FVC	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	-0.005	0.003	0.035	0.040	155.075	TRUE	9.35E-34
FVC	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	0.002	0.007	0.728	0.021	80.143	TRUE	9.13E-19
FVC	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	0.004	0.003	0.184	0.026	99.951	TRUE	1.39E-22
FVC	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	0.003	0.003	0.363	0.023	85.585	TRUE	1.04E-19
FVC	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	-0.007	0.006	0.253	0.031	119.900	TRUE	7.35E-27
FVC	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	0.003	0.003	0.249	0.176	790.633	TRUE	3.83E-160
FVC	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	-0.001	0.002	0.613	0.019	71.795	TRUE	6.36E-17
FVC	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	0.002	0.002	0.338	0.026	98.372	TRUE	2.11E-22
FVC	RRAGA	cg14727880	rs2233798	T	C	0.246	0.024	0.383	3.24E-25	0.010	0.002	3.33E-05	0.028	107.569	TRUE	5.16E-23
FVC	RRAGA	cg21162977	rs2233802	A	C	0.251	0.032	0.156	2.98E-15	0.003	0.003	0.429	0.017	62.248	TRUE	8.82E-15
FVC	RRAGA	cg25822709	rs10757020	G	C	0.215	0.024	0.398	5.27E-19	0.004	0.002	0.089	0.021	79.281	TRUE	4.43E-18
FVC	RRAGA	cg25822709	rs10963919	C	A	0.306	0.035	0.129	2.84E-18	0.001	0.004	0.716	0.020	75.956	TRUE	7.36E-18
FVC	RRAGA	cg25822709	rs117653408	A	G	0.345	0.054	0.047	1.60E-10	0.017	0.006	0.003	0.011	40.876	TRUE	1.31E-09
FVC	RRAGA	cg25822709	rs11791698	C	T	0.346	0.051	0.054	1.23E-11	0.001	0.005	0.929	0.012	45.896	TRUE	1.82E-11
FVC	RRAGA	cg25822709	rs145475880	G	A	0.480	0.077	0.023	5.22E-10	0.022	0.008	0.007	0.010	38.571	TRUE	3.42E-09
FVC	RRAGA	cg25822709	rs2233798	T	C	0.586	0.023	0.383	2.30E-139	0.010	0.002	3.33E-05	0.146	631.208	TRUE	9.49E-127
FVC	RRAGA	cg25822709	rs72694539	A	G	0.374	0.057	0.041	5.06E-11	0.003	0.006	0.624	0.012	43.130	TRUE	9.38E-11
FVC	RRAGA	cg25822709	rs7847408	C	A	-0.145	0.027	0.264	4.96E-08	0.000	0.003	0.882	0.008	29.717	TRUE	6.51E-08
FVC	RRAGA	cg25822709	rs7855439	C	T	0.464	0.050	0.055	1.39E-20	0.005	0.005	0.355	0.023	86.466	TRUE	6.91E-20
FVC	SCOC	cg01300684	rs60054902	A	G	-0.332	0.044	0.078	4.78E-14	0.000	0.005	0.991	0.015	56.787	TRUE	7.49E-14
FVC	SCOC	cg02182440	rs116730782	G	A	-0.391	0.063	0.035	6.73E-10	0.020	0.006	0.001	0.010	38.078	TRUE	5.76E-09
FVC	SCOC	cg03033182	rs370662661	G	C	0.394	0.072	0.028	4.98E-08	0.004	0.007	0.625	0.008	29.708	TRUE	7.83E-08
FVC	SCOC	cg03963654	rs13102559	T	C	-0.157	0.027	0.233	9.38E-09	-0.003	0.003	0.313	0.009	32.947	TRUE	2.04E-08
FVC	SCOC	cg03963654	rs370662661	G	C	-1.738	0.069	0.028	1.18E-139	0.004	0.007	0.625	0.146	632.542	TRUE	1.16E-130
FVC	SCOC	cg06775361	rs6536830	C	T	0.337	0.041	0.084	2.04E-16	-0.009	0.004	0.025	0.018	67.527	TRUE	2.02E-15
FVC	SCOC	cg06968674	rs13102559	T	C	-0.166	0.027	0.233	9.15E-10	-0.003	0.003	0.313	0.010	37.479	TRUE	2.14E-09
FVC	SCOC	cg06968674	rs370662661	G	C	-1.135	0.070	0.028	1.59E-58	0.004	0.007	0.625	0.066	260.008	TRUE	2.27E-56
FVC	SCOC	cg07444408	rs12645464	C	T	-0.247	0.039	0.108	3.42E-10	-0.007	0.004	0.054	0.011	39.397	TRUE	1.41E-09
FVC	SCOC	cg07444408	rs2089897	C	G	-0.299	0.028	0.242	1.67E-27	0.000	0.003	0.911	0.031	118.010	TRUE	6.28E-27
FVC	SCOC	cg17666096	rs3097594	A	C	0.402	0.054	0.053	1.67E-13	0.000	0.005	0.941	0.014	54.335	TRUE	2.64E-13
FVC	SCOC	cg17666096	rs358318	A	G	1.187	0.061	0.035	1.92E-85	-0.008	0.006	0.211	0.094	383.523	TRUE	6.62E-81
FVC	SCOC	cg17933300	rs883945	G	A	0.441	0.041	0.083	1.28E-26	-0.009	0.004	0.035	0.030	113.970	TRUE	3.44E-25
FVC	SCOC	cg21986225	rs11100622	T	C	0.165	0.026	0.301	1.35E-10	0.001	0.003	0.774	0.011	41.207	TRUE	2.13E-10
FVC	SCOC	cg21986225	rs75013136	A	T	1.185	0.060	0.035	1.08E-85	-0.005	0.006	0.392	0.094	384.668	TRUE	1.90E-81
FVC	SCOC	cg23839709	rs67983466	C	T	-0.208	0.037	0.105	2.18E-08	0.002	0.004	0.615	0.008	31.308	TRUE	3.50E-08
FVC	SCOC	cg24810741	rs9884525	C	T	0.314	0.052	0.047	1.38E-09	-0.001	0.005	0.849	0.010	36.684	TRUE	1.97E-09

FVC	SCRT2	cg01053273	rs12106053	C	T	-0.232	0.027	0.260	6.55E-18	0.004	0.003	0.169	0.020	74.308	TRUE	3.77E-17
FVC	SCRT2	cg11183307	rs4813791	G	A	0.178	0.024	0.393	1.73E-13	0.001	0.002	0.789	0.014	54.257	TRUE	3.21E-13
FVC	SCRT2	cg11183307	rs6054046	A	G	-0.186	0.028	0.231	4.17E-11	0.003	0.003	0.333	0.012	43.507	TRUE	1.05E-10
FVC	SCRT2	cg11183307	rs6085283	T	C	0.132	0.023	0.460	1.54E-08	0.002	0.002	0.378	0.009	31.981	TRUE	3.15E-08
FVC	SCRT2	cg11183307	rs6107731	G	A	0.603	0.030	0.438	9.26E-92	0.005	0.002	0.039	0.100	412.522	TRUE	5.01E-86
FVC	SCRT2	cg18592561	rs79646638	A	G	0.448	0.040	0.094	3.32E-29	0.004	0.004	0.278	0.033	125.782	TRUE	3.96E-28
FVC	SFN	cg13235717	rs12729652	A	G	0.310	0.031	0.169	6.66E-24	-0.015	0.003	4.67E-06	0.027	101.585	TRUE	1.27E-21
FVC	SFN	cg14825555	rs35428899	T	C	-0.498	0.067	0.029	8.63E-14	-0.009	0.006	0.152	0.015	55.627	TRUE	3.65E-13
FVC	SFRP1	cg00000321	rs72643819	T	G	-0.149	0.026	0.382	1.33E-08	0.008	0.002	0.001	0.009	32.269	TRUE	1.00E-07
FVC	SFRP1	cg01074584	rs921142	C	T	-0.162	0.026	0.388	5.29E-10	0.007	0.002	0.003	0.010	38.546	TRUE	4.17E-09
FVC	SFRP1	cg03133371	rs1562420	G	A	-0.164	0.026	0.395	2.17E-10	0.007	0.002	0.004	0.011	40.287	TRUE	1.67E-09
FVC	SFRP1	cg07935886	rs72643819	T	G	-0.179	0.026	0.382	7.44E-12	0.008	0.002	0.001	0.013	46.881	TRUE	9.09E-11
FVC	SFRP1	cg10406295	rs1159162	G	A	-0.142	0.026	0.396	4.31E-08	0.007	0.002	0.003	0.008	29.986	TRUE	2.47E-07
FVC	SFRP1	cg14824386	rs968427	C	T	-0.163	0.026	0.437	2.11E-10	0.006	0.002	0.018	0.011	40.338	TRUE	1.15E-09
FVC	SFRP1	cg14904908	rs1562420	G	A	-0.242	0.026	0.395	6.52E-21	0.007	0.002	0.004	0.023	87.961	TRUE	1.90E-19
FVC	SFRP1	cg16498741	rs7832749	A	G	-0.144	0.026	0.396	3.65E-08	0.001	0.002	0.601	0.008	30.308	TRUE	5.96E-08
FVC	SFRP1	cg23331238	rs4370520	A	G	0.203	0.028	0.282	4.53E-13	-0.004	0.003	0.128	0.014	52.372	TRUE	1.94E-12
FVC	SFRP1	cg23331238	rs9298612	A	T	-0.363	0.026	0.396	3.43E-45	0.001	0.002	0.637	0.051	198.905	TRUE	9.62E-44
FVC	SFRP1	cg25927227	rs10088390	G	C	0.514	0.061	0.045	3.23E-17	-0.004	0.006	0.466	0.019	71.159	TRUE	1.05E-16
FVC	SFRP1	cg25927227	rs116957640	A	G	0.688	0.115	0.026	2.61E-09	0.007	0.007	0.334	0.009	35.432	TRUE	5.77E-09
FVC	SFRP1	cg25927227	rs4392880	T	C	0.257	0.026	0.405	2.57E-23	-0.001	0.002	0.808	0.026	98.912	TRUE	8.28E-23
FVC	SFRP1	cg25927227	rs62642278	T	C	-0.259	0.047	0.080	3.20E-08	0.003	0.004	0.468	0.008	30.563	TRUE	5.77E-08
FVC	SFRP1	cg25927227	rs7007338	T	C	0.234	0.039	0.126	1.79E-09	0.004	0.004	0.233	0.010	36.176	TRUE	4.58E-09
FVC	SFRP1	cg25927227	rs7823630	C	T	0.695	0.024	0.400	2.84E-177	0.003	0.002	0.238	0.179	805.443	TRUE	6.74E-163
FVC	SFRP1	cg25927227	rs79026888	G	A	0.424	0.066	0.037	1.17E-10	-0.005	0.006	0.450	0.011	41.488	TRUE	2.50E-10
FVC	SFRP1	cg25927227	rs936271	A	G	0.245	0.028	0.307	5.46E-19	0.006	0.003	0.022	0.021	79.213	TRUE	7.39E-18
FVC	SGMS1	cg03236180	rs151131602	T	C	0.589	0.099	0.014	2.74E-09	-0.013	0.009	0.161	0.009	35.339	TRUE	7.75E-09
FVC	SGMS1	cg13576994	rs10826126	A	C	0.132	0.023	0.430	1.47E-08	-0.007	0.002	0.003	0.009	32.076	TRUE	8.82E-08
FVC	SGMS1	cg13799263	rs10740666	C	T	-0.160	0.026	0.272	9.38E-10	-0.003	0.003	0.321	0.010	37.429	TRUE	2.19E-09
FVC	SGMS1	cg13799263	rs10826100	A	G	0.214	0.023	0.449	2.08E-20	0.006	0.002	0.008	0.023	85.666	TRUE	4.28E-19
FVC	SGMS1	cg13799263	rs2474612	T	C	0.151	0.024	0.383	4.45E-10	0.002	0.002	0.349	0.010	38.882	TRUE	1.01E-09
FVC	SGMS1	cg13799263	rs56323928	G	T	0.405	0.061	0.039	4.03E-11	0.002	0.006	0.673	0.012	43.575	TRUE	7.22E-11
FVC	SGMS1	cg13799263	rs7092753	G	A	0.295	0.024	0.348	3.74E-34	0.004	0.002	0.098	0.039	148.394	TRUE	1.48E-32
FVC	SGMS1	cg20014988	rs10740762	A	G	-0.373	0.025	0.339	2.09E-51	-0.001	0.003	0.745	0.058	227.382	TRUE	9.70E-50
FVC	SGMS1	cg20014988	rs2983356	G	A	-0.311	0.046	0.080	1.33E-11	-0.007	0.004	0.116	0.012	45.746	TRUE	5.11E-11
FVC	SGMS1	cg20014988	rs59120825	C	G	0.273	0.028	0.203	4.09E-22	-0.003	0.003	0.235	0.025	93.438	TRUE	2.84E-21
FVC	SGMS1	cg26665667	rs10763560	G	A	0.327	0.025	0.309	8.19E-40	0.002	0.003	0.519	0.045	174.283	TRUE	1.65E-38
FVC	SH3BP4	cg00475403	rs6721314	T	C	-0.193	0.028	0.226	6.04E-12	0.002	0.003	0.482	0.013	47.291	TRUE	1.37E-11
FVC	SH3BP4	cg00765233	rs12476431	T	C	-0.211	0.035	0.120	1.80E-09	0.004	0.004	0.309	0.010	36.159	TRUE	4.18E-09
FVC	SH3BP4	cg00765233	rs2840029	C	G	-0.191	0.033	0.137	1.05E-08	-0.005	0.004	0.175	0.009	32.728	TRUE	2.74E-08
FVC	SH3BP4	cg00765233	rs4429425	A	G	-0.271	0.037	0.105	1.57E-13	0.004	0.004	0.355	0.015	54.447	TRUE	4.64E-13
FVC	SH3BP4	cg01881549	rs6728491	C	T	-0.239	0.034	0.128	2.97E-12	-0.002	0.004	0.683	0.013	48.685	TRUE	5.56E-12

FVC	SH3BP4	cg02447239	rs11694969	A	G	0.290	0.039	0.093	6.27E-14	-0.001	0.004	0.902	0.015	56.254	TRUE	1.06E-13
FVC	SH3BP4	cg04066885	rs10929050	T	C	0.404	0.029	0.201	8.84E-43	-0.009	0.003	0.004	0.048	187.864	TRUE	4.63E-40
FVC	SH3BP4	cg04066885	rs11677044	A	C	-0.208	0.025	0.327	2.13E-17	0.001	0.003	0.691	0.019	71.980	TRUE	5.36E-17
FVC	SH3BP4	cg04066885	rs13019776	G	A	-0.380	0.026	0.279	5.56E-50	0.006	0.003	0.037	0.056	220.851	TRUE	2.69E-47
FVC	SH3BP4	cg04066885	rs55916272	C	T	-0.137	0.024	0.441	6.55E-09	0.002	0.002	0.546	0.009	33.647	TRUE	1.17E-08
FVC	SH3BP4	cg04088932	rs10929082	A	T	0.670	0.039	0.103	1.82E-66	0.002	0.004	0.574	0.074	296.429	TRUE	8.70E-64
FVC	SH3BP4	cg04088932	rs3795962	G	A	0.637	0.030	0.450	9.82E-98	-0.003	0.002	0.239	0.106	439.958	TRUE	3.01E-92
FVC	SH3BP4	cg04088932	rs56371694	T	G	0.148	0.026	0.300	1.65E-08	0.001	0.003	0.829	0.009	31.846	TRUE	2.32E-08
FVC	SH3BP4	cg05058748	rs11688642	G	A	0.330	0.032	0.170	7.51E-25	0.000	0.003	0.966	0.028	105.906	TRUE	2.17E-24
FVC	SH3BP4	cg05058748	rs4663527	T	C	0.447	0.074	0.056	1.65E-09	0.003	0.006	0.642	0.010	36.329	TRUE	2.77E-09
FVC	SH3BP4	cg05058748	rs4663533	G	A	-0.525	0.034	0.131	2.46E-54	0.004	0.003	0.209	0.061	240.802	TRUE	6.45E-52
FVC	SH3BP4	cg05058748	rs62187422	T	C	-0.295	0.040	0.081	3.07E-13	0.022	0.012	0.081	0.014	53.137	TRUE	1.54E-12
FVC	SH3BP4	cg05058748	rs6710499	G	A	1.133	0.016	0.338	<1E-200	-0.002	0.003	0.357	0.569	4889.496	TRUE	<1E-200
FVC	SH3BP4	cg05058748	rs79977480	C	G	0.775	0.058	0.039	2.45E-40	-0.005	0.006	0.366	0.046	176.685	TRUE	7.19E-39
FVC	SH3BP4	cg08036121	rs2379186	C	T	0.185	0.026	0.288	6.44E-13	0.005	0.003	0.072	0.014	51.679	TRUE	3.28E-12
FVC	SH3BP4	cg08036121	rs75169082	A	C	-0.566	0.083	0.044	1.11E-11	0.003	0.006	0.564	0.012	46.107	TRUE	2.25E-11
FVC	SH3BP4	cg08036121	rs78218646	T	C	-0.255	0.031	0.187	1.41E-16	-0.002	0.003	0.482	0.018	68.256	TRUE	4.27E-16
FVC	SH3BP4	cg08092258	rs11682146	T	C	-0.387	0.039	0.091	6.57E-23	0.003	0.004	0.437	0.026	97.054	TRUE	3.37E-22
FVC	SH3BP4	cg08092258	rs56230012	G	A	-0.737	0.038	0.093	9.44E-83	-0.002	0.004	0.686	0.091	371.163	TRUE	4.43E-79
FVC	SH3BP4	cg08092258	rs56838198	T	G	0.421	0.028	0.230	6.25E-50	-0.002	0.003	0.478	0.056	220.616	TRUE	4.12E-48
FVC	SH3BP4	cg08092258	rs6720830	T	C	-0.331	0.028	0.227	2.78E-32	0.002	0.003	0.458	0.036	139.842	TRUE	3.08E-31
FVC	SH3BP4	cg08092258	rs78367788	T	C	0.304	0.041	0.091	2.32E-13	0.001	0.004	0.827	0.014	53.687	TRUE	4.03E-13
FVC	SH3BP4	cg08092258	rs972514	C	T	-0.203	0.032	0.157	1.34E-10	-0.005	0.003	0.160	0.011	41.229	TRUE	4.23E-10
FVC	SH3BP4	cg08858245	rs62187441	G	T	0.295	0.045	0.064	3.29E-11	0.006	0.005	0.175	0.012	43.974	TRUE	1.08E-10
FVC	SH3BP4	cg09071896	rs10929050	T	C	0.229	0.030	0.201	1.60E-14	-0.009	0.003	0.004	0.016	58.937	TRUE	2.14E-13
FVC	SH3BP4	cg09071896	rs11677044	A	C	-0.226	0.025	0.327	4.02E-20	0.001	0.003	0.691	0.022	84.364	TRUE	1.20E-19
FVC	SH3BP4	cg09071896	rs12475961	C	A	-0.411	0.035	0.116	1.31E-31	0.003	0.004	0.400	0.036	136.759	TRUE	1.55E-30
FVC	SH3BP4	cg09071896	rs4429425	A	G	-0.290	0.037	0.105	2.96E-15	0.004	0.004	0.355	0.017	62.257	TRUE	9.89E-15
FVC	SH3BP4	cg09071896	rs9677589	T	G	0.267	0.039	0.104	1.18E-11	0.003	0.004	0.551	0.012	45.984	TRUE	2.42E-11
FVC	SH3BP4	cg09510954	rs4663177	C	T	-0.187	0.025	0.321	9.58E-14	-0.002	0.003	0.452	0.015	55.422	TRUE	2.46E-13
FVC	SH3BP4	cg10810819	rs4429425	A	G	-0.220	0.037	0.105	1.80E-09	0.004	0.004	0.355	0.010	36.157	TRUE	3.99E-09
FVC	SH3BP4	cg11677744	rs12476431	T	C	-0.309	0.035	0.120	8.51E-19	0.004	0.004	0.309	0.021	78.335	TRUE	3.97E-18
FVC	SH3BP4	cg12214003	rs13035247	G	C	0.314	0.026	0.284	7.68E-35	0.004	0.003	0.115	0.039	151.535	TRUE	2.76E-33
FVC	SH3BP4	cg12214003	rs78218646	T	C	-0.260	0.031	0.187	3.35E-17	-0.002	0.003	0.482	0.019	71.086	TRUE	1.06E-16
FVC	SH3BP4	cg12214003	rs79098408	A	G	0.400	0.069	0.029	8.49E-09	-0.002	0.007	0.765	0.009	33.142	TRUE	1.25E-08
FVC	SH3BP4	cg13303459	rs111715647	C	G	1.248	0.112	0.011	7.20E-29	0.004	0.011	0.680	0.032	124.246	TRUE	4.11E-28
FVC	SH3BP4	cg13303459	rs4429425	A	G	0.213	0.036	0.105	4.12E-09	0.004	0.004	0.355	0.009	34.549	TRUE	8.90E-09
FVC	SH3BP4	cg13530377	rs2840029	C	G	-0.186	0.033	0.137	2.27E-08	-0.005	0.004	0.175	0.008	31.228	TRUE	5.78E-08
FVC	SH3BP4	cg13530377	rs56048151	A	G	-0.251	0.039	0.094	1.07E-10	-0.001	0.004	0.791	0.011	41.675	TRUE	1.67E-10
FVC	SH3BP4	cg13904006	rs7583595	C	T	0.174	0.026	0.290	1.12E-11	0.005	0.003	0.086	0.012	46.084	TRUE	4.80E-11
FVC	SH3BP4	cg13904006	rs78218646	T	C	-0.232	0.031	0.187	5.05E-14	-0.002	0.003	0.482	0.015	56.680	TRUE	1.29E-13
FVC	SH3BP4	cg14096415	rs10803629	G	A	-0.512	0.028	0.225	6.05E-76	0.002	0.003	0.516	0.084	339.924	TRUE	1.40E-72

FVC	SH3BP4	cg14096415	rs10929071	G	A	-0.218	0.027	0.260	3.63E-16	0.002	0.003	0.493	0.018	66.391	TRUE	1.05E-15
FVC	SH3BP4	cg14096415	rs10929074	C	G	-0.170	0.028	0.290	9.63E-10	0.003	0.003	0.218	0.010	37.378	TRUE	2.57E-09
FVC	SH3BP4	cg14096415	rs11682146	T	C	-0.312	0.039	0.091	2.26E-15	0.003	0.004	0.437	0.017	62.791	TRUE	6.68E-15
FVC	SH3BP4	cg14917874	rs11680626	A	T	0.698	0.024	0.309	1.29E-186	-0.002	0.003	0.346	0.187	848.398	TRUE	3.15E-171
FVC	SH3BP4	cg14917874	rs11888319	G	C	0.603	0.041	0.188	8.57E-50	0.004	0.003	0.182	0.056	219.987	TRUE	1.39E-47
FVC	SH3BP4	cg14917874	rs13020664	C	A	0.203	0.036	0.414	1.22E-08	0.002	0.002	0.360	0.009	32.444	TRUE	2.50E-08
FVC	SH3BP4	cg14917874	rs6754925	T	C	0.339	0.056	0.108	1.10E-09	0.000	0.004	0.958	0.010	37.118	TRUE	1.46E-09
FVC	SH3BP4	cg14917874	rs76292477	C	T	-0.318	0.043	0.071	1.61E-13	0.006	0.004	0.177	0.014	54.399	TRUE	6.30E-13
FVC	SH3BP4	cg14917874	rs9798244	C	T	0.200	0.026	0.280	3.03E-14	0.002	0.003	0.440	0.015	57.685	TRUE	8.31E-14
FVC	SH3BP4	cg16167060	rs7565692	A	T	0.208	0.029	0.215	7.24E-13	-0.002	0.003	0.537	0.014	51.449	TRUE	1.61E-12
FVC	SH3BP4	cg19964403	rs72987449	C	T	-0.417	0.036	0.252	7.59E-32	-0.004	0.003	0.113	0.036	137.844	TRUE	2.01E-30
FVC	SH3BP4	cg19998400	rs12476431	T	C	-0.242	0.035	0.120	5.46E-12	0.004	0.004	0.309	0.013	47.488	TRUE	1.52E-11
FVC	SH3BP4	cg19998400	rs1526122	G	C	-0.144	0.025	0.318	4.79E-09	0.001	0.003	0.814	0.009	34.254	TRUE	6.91E-09
FVC	SH3BP4	cg19998400	rs4429425	A	G	-0.387	0.037	0.105	3.57E-26	0.004	0.004	0.355	0.029	111.941	TRUE	2.83E-25
FVC	SH3BP4	cg19998400	rs4663178	T	C	-0.251	0.036	0.114	4.40E-12	-0.001	0.004	0.897	0.013	47.911	TRUE	6.80E-12
FVC	SH3BP4	cg20023271	rs6711905	A	G	0.286	0.032	0.491	4.39E-19	-0.003	0.002	0.282	0.021	79.643	TRUE	2.19E-18
FVC	SH3BP4	cg21243951	rs3795962	G	A	-0.201	0.031	0.450	1.72E-10	-0.003	0.002	0.239	0.011	40.744	TRUE	4.67E-10
FVC	SH3BP4	cg23729407	rs4663177	C	T	-0.277	0.025	0.321	2.63E-28	-0.002	0.003	0.452	0.032	121.673	TRUE	2.01E-27
FVC	SH3BP4	cg23729407	rs6431314	G	A	0.148	0.024	0.369	1.56E-09	0.004	0.003	0.126	0.010	36.442	TRUE	4.83E-09
FVC	SH3BP4	cg23729407	rs79977480	C	G	-1.710	0.055	0.039	3.39E-210	-0.005	0.006	0.366	0.206	956.809	TRUE	2.31E-191
FVC	SH3BP4	cg23946364	rs11682146	T	C	-0.277	0.039	0.091	8.17E-13	0.003	0.004	0.437	0.014	51.213	TRUE	2.04E-12
FVC	SH3BP4	cg23946364	rs56310932	A	G	-0.673	0.037	0.102	5.19E-75	-0.001	0.004	0.748	0.083	335.638	TRUE	5.81E-72
FVC	SH3BP4	cg23946364	rs7579843	G	A	0.231	0.028	0.242	6.96E-17	-0.002	0.003	0.513	0.018	69.646	TRUE	2.12E-16
FVC	SH3BP4	cg24906525	rs111817009	G	T	-0.513	0.059	0.038	3.54E-18	-0.005	0.006	0.444	0.020	75.521	TRUE	1.28E-17
FVC	SH3BP4	cg24906525	rs1559983	C	T	-0.225	0.028	0.213	7.73E-16	0.006	0.003	0.050	0.017	64.902	TRUE	6.02E-15
FVC	SH3BP4	cg24906525	rs6722544	C	T	-0.250	0.027	0.240	2.88E-20	0.001	0.003	0.663	0.022	85.025	TRUE	8.79E-20
FVC	SH3BP4	cg24906525	rs78218646	T	C	0.215	0.031	0.187	3.22E-12	-0.002	0.003	0.482	0.013	48.524	TRUE	7.34E-12
FVC	SH3BP4	cg24995678	rs2195195	C	T	-0.501	0.027	0.244	1.18E-76	-0.002	0.003	0.442	0.085	343.186	TRUE	3.91E-73
FVC	SH3BP4	cg25591888	rs12475961	C	A	-0.237	0.035	0.116	2.18E-11	0.003	0.004	0.400	0.012	44.777	TRUE	5.23E-11
FVC	SH3BP4	cg27024844	rs78218646	T	C	-0.191	0.031	0.187	6.44E-10	-0.002	0.003	0.482	0.010	38.164	TRUE	1.27E-09
FVC	SH3BP4	cg27577781	rs3731646	A	G	0.268	0.040	0.100	1.75E-11	0.003	0.004	0.544	0.012	45.212	TRUE	3.58E-11
FVC	SH3BP4	cg27577781	rs6732663	T	C	-0.446	0.043	0.191	1.14E-24	0.000	0.003	0.907	0.028	105.079	TRUE	3.58E-24
FVC	SH3GLB1	cg10625266	rs114218357	A	G	1.176	0.142	0.011	1.22E-16	-0.003	0.011	0.795	0.018	68.547	TRUE	2.60E-16
FVC	SH3GLB1	cg10625266	rs6687821	G	C	0.231	0.031	0.184	4.46E-14	-0.012	0.003	1.70E-04	0.015	56.925	TRUE	9.89E-13
FVC	SH3GLB1	cg11204830	rs114218357	A	G	1.008	0.141	0.011	8.81E-13	-0.003	0.011	0.795	0.014	51.065	TRUE	1.53E-12
FVC	SH3GLB1	cg11204830	rs263436	A	G	0.270	0.028	0.225	2.25E-21	-0.012	0.003	3.19E-05	0.024	90.068	TRUE	1.97E-19
FVC	SHARPIN	cg15230435	rs12543080	A	C	-0.271	0.040	0.088	8.98E-12	0.011	0.004	0.010	0.012	46.514	TRUE	6.72E-11
FVC	SHARPIN	cg22861185	rs1127096	G	A	0.286	0.040	0.085	7.20E-13	0.010	0.004	0.015	0.014	51.461	TRUE	5.63E-12
FVC	SIVA1	cg10285897	rs4983547	A	G	-0.271	0.036	0.110	3.98E-14	-0.010	0.004	0.008	0.015	57.148	TRUE	4.13E-13
FVC	SIVA1	cg10909152	rs1128866	A	G	0.227	0.028	0.217	7.64E-16	-0.007	0.003	0.015	0.017	64.926	TRUE	8.14E-15
FVC	SIVA1	cg10909152	rs66464514	G	A	-0.319	0.025	0.323	2.95E-38	-0.007	0.003	0.008	0.043	167.161	TRUE	6.06E-36
FVC	SIVA1	cg10909152	rs73362598	C	T	-1.585	0.168	0.012	4.93E-21	-0.020	0.013	0.144	0.023	88.514	TRUE	4.05E-20

FVC	SIVA1	cg19495714	rs4983549	A	G	-0.343	0.025	0.323	3.39E-44	-0.007	0.003	0.008	0.050	194.349	TRUE	1.57E-41
FVC	SIVA1	cg19495714	rs56054225	A	G	0.170	0.028	0.217	1.44E-09	-0.006	0.003	0.034	0.010	36.592	TRUE	6.40E-09
FVC	SLC11A2	cg14688905	rs17229232	T	C	0.361	0.045	0.073	1.07E-15	0.007	0.005	0.106	0.017	64.272	TRUE	6.15E-15
FVC	SLC11A2	cg22789605	rs10783412	G	A	-0.488	0.041	0.085	1.74E-32	0.004	0.004	0.327	0.037	140.765	TRUE	2.54E-31
FVC	SLC11A2	cg22789605	rs706801	G	A	-0.437	0.027	0.250	8.06E-60	0.006	0.003	0.020	0.067	265.949	TRUE	2.17E-56
FVC	SLC11A2	cg25493658	rs76118172	T	C	-0.796	0.098	0.015	5.85E-16	-0.007	0.010	0.487	0.017	65.453	TRUE	1.69E-15
FVC	SLC16A6	cg24028094	rs12451195	A	C	-0.178	0.026	0.256	1.01E-11	-0.008	0.003	0.004	0.012	46.285	TRUE	9.35E-11
FVC	SLC16A6	cg24028094	rs6501321	G	A	-0.196	0.023	0.475	2.68E-17	-0.002	0.002	0.478	0.019	71.525	TRUE	8.60E-17
FVC	SLC17A5	cg03026689	rs113968599	A	G	1.169	0.102	0.015	3.84E-30	-0.014	0.010	0.167	0.034	130.060	TRUE	6.92E-29
FVC	SLC17A5	cg03026689	rs11753320	T	C	0.364	0.044	0.070	1.41E-16	-0.003	0.005	0.518	0.018	68.261	TRUE	4.08E-16
FVC	SLC17A5	cg03026689	rs12200306	G	A	0.421	0.040	0.091	1.09E-25	-0.014	0.004	4.65E-04	0.029	109.729	TRUE	1.01E-23
FVC	SLC17A5	cg03026689	rs12208347	A	G	0.166	0.027	0.232	1.24E-09	0.004	0.003	0.134	0.010	36.884	TRUE	3.84E-09
FVC	SLC17A5	cg03026689	rs12527829	G	A	0.445	0.061	0.035	3.20E-13	0.002	0.006	0.721	0.014	53.054	TRUE	6.14E-13
FVC	SLC17A5	cg03026689	rs143808576	C	T	1.007	0.105	0.013	1.29E-21	0.008	0.012	0.509	0.024	91.170	TRUE	5.40E-21
FVC	SLC17A5	cg03026689	rs311679	T	C	-0.140	0.023	0.476	1.96E-09	0.002	0.002	0.330	0.010	35.993	TRUE	4.47E-09
FVC	SLC17A5	cg03026689	rs3846751	C	T	0.295	0.024	0.392	6.96E-36	-0.003	0.002	0.207	0.041	156.305	TRUE	1.96E-34
FVC	SLC17A5	cg03026689	rs41266747	T	C	0.768	0.069	0.055	7.05E-29	-0.027	0.005	4.30E-07	0.033	124.285	TRUE	4.86E-26
FVC	SLC17A5	cg03026689	rs4708055	C	A	-0.156	0.025	0.332	2.83E-10	0.001	0.003	0.698	0.011	39.764	TRUE	4.77E-10
FVC	SLC17A5	cg03026689	rs56375536	A	G	0.536	0.063	0.034	2.87E-17	-0.005	0.006	0.411	0.019	71.396	TRUE	1.00E-16
FVC	SLC17A5	cg03026689	rs5877371	C	T	1.554	0.039	0.072	<1E-200	-0.017	0.010	0.083	0.303	1605.826	TRUE	3.21E-304
FVC	SLC17A5	cg03026689	rs62438662	C	A	0.164	0.023	0.484	2.81E-12	0.002	0.002	0.486	0.013	48.793	TRUE	6.28E-12
FVC	SLC17A5	cg03026689	rs71537135	C	T	-0.137	0.023	0.451	4.30E-09	-0.004	0.002	0.095	0.009	34.466	TRUE	1.36E-08
FVC	SLC17A5	cg03026689	rs72943332	T	G	0.603	0.086	0.019	2.01E-12	-0.008	0.008	0.323	0.013	49.447	TRUE	5.63E-12
FVC	SLC17A5	cg03026689	rs9442941	T	G	0.293	0.026	0.309	2.03E-30	-0.001	0.003	0.598	0.034	131.327	TRUE	1.51E-29
FVC	SLC17A5	cg04408379	rs12199822	A	G	1.472	0.042	0.072	2.60E-272	-0.013	0.005	0.009	0.251	1242.449	TRUE	1.68E-240
FVC	SLC17A5	cg04408379	rs12211460	A	G	0.617	0.055	0.047	6.40E-29	-0.005	0.005	0.335	0.033	124.479	TRUE	6.59E-28
FVC	SLC17A5	cg04408379	rs12527829	G	A	0.491	0.061	0.035	8.53E-16	0.002	0.006	0.721	0.017	64.709	TRUE	1.89E-15
FVC	SLC17A5	cg04408379	rs143808576	C	T	1.007	0.105	0.013	1.32E-21	0.008	0.012	0.509	0.024	91.122	TRUE	5.53E-21
FVC	SLC17A5	cg04408379	rs1703467	T	C	0.268	0.024	0.390	1.72E-29	-0.003	0.002	0.276	0.033	127.087	TRUE	2.12E-28
FVC	SLC17A5	cg04408379	rs41266747	T	C	0.724	0.069	0.055	1.35E-25	-0.027	0.005	4.30E-07	0.029	109.307	TRUE	5.36E-23
FVC	SLC17A5	cg04408379	rs62438662	C	A	0.166	0.023	0.484	1.71E-12	0.002	0.002	0.486	0.013	49.767	TRUE	3.87E-12
FVC	SLC17A5	cg04408379	rs62439875	A	C	-0.170	0.023	0.461	2.74E-13	-0.004	0.002	0.095	0.014	53.355	TRUE	1.27E-12
FVC	SLC17A5	cg04408379	rs6909792	T	C	0.394	0.040	0.090	1.31E-22	-0.014	0.004	5.75E-04	0.025	95.691	TRUE	7.41E-21
FVC	SLC17A5	cg04408379	rs72949455	G	A	0.386	0.043	0.077	2.82E-19	0.000	0.004	0.945	0.021	80.517	TRUE	5.99E-19
FVC	SLC17A5	cg04408379	rs9442883	C	T	0.369	0.063	0.030	4.86E-09	-0.003	0.006	0.625	0.009	34.227	TRUE	8.05E-09
FVC	SLC17A5	cg04408379	rs9442941	T	G	0.280	0.026	0.309	6.17E-28	-0.001	0.003	0.598	0.031	119.985	TRUE	3.74E-27
FVC	SLC17A5	cg07554703	rs113968599	A	G	0.951	0.103	0.015	2.19E-20	-0.014	0.010	0.167	0.023	85.564	TRUE	1.58E-19
FVC	SLC17A5	cg07554703	rs11758258	A	G	1.048	0.043	0.072	1.02E-132	-0.013	0.005	0.007	0.140	600.672	TRUE	2.66E-122
FVC	SLC17A5	cg07554703	rs12200306	G	A	0.227	0.040	0.091	1.30E-08	-0.014	0.004	4.65E-04	0.009	32.316	TRUE	1.06E-07
FVC	SLC17A5	cg07554703	rs143808576	C	T	0.878	0.106	0.013	9.09E-17	0.008	0.012	0.509	0.018	69.120	TRUE	2.71E-16
FVC	SLC17A5	cg07554703	rs41266747	T	C	0.566	0.068	0.055	4.94E-17	-0.027	0.005	4.30E-07	0.019	70.323	TRUE	4.51E-15
FVC	SLC17A5	cg07554703	rs676464	A	C	0.169	0.023	0.440	2.64E-13	-0.002	0.002	0.452	0.014	53.428	TRUE	6.69E-13

FVC	SLC17A5	cg07554703	rs72949455	G	A	0.279	0.043	0.077	5.49E-11	0.000	0.004	0.945	0.011	42.970	TRUE	7.77E-11
FVC	SLC17A5	cg07554703	rs9293935	A	T	0.254	0.045	0.084	1.25E-08	-0.003	0.005	0.507	0.009	32.385	TRUE	2.24E-08
FVC	SLC17A5	cg07554703	rs9442941	T	G	0.177	0.025	0.309	2.98E-12	-0.001	0.003	0.598	0.013	48.673	TRUE	6.11E-12
FVC	SLC17A5	cg11742202	rs113968599	A	G	-0.803	0.103	0.015	6.77E-15	-0.014	0.010	0.167	0.016	60.633	TRUE	3.03E-14
FVC	SLC17A5	cg11742202	rs12199822	A	G	-0.836	0.044	0.072	6.73E-79	-0.013	0.005	0.009	0.087	353.479	TRUE	7.84E-74
FVC	SLC17A5	cg11742202	rs12210825	T	C	0.297	0.026	0.251	1.49E-29	0.002	0.003	0.549	0.033	127.376	TRUE	1.09E-28
FVC	SLC17A5	cg11742202	rs143808576	C	T	-0.638	0.106	0.013	1.72E-09	0.008	0.012	0.509	0.010	36.243	TRUE	3.25E-09
FVC	SLC17A5	cg11742202	rs56375536	A	G	-0.413	0.064	0.034	9.35E-11	-0.005	0.006	0.411	0.011	41.931	TRUE	2.09E-10
FVC	SLC17A5	cg11742202	rs6907936	G	A	0.177	0.032	0.162	3.67E-08	0.000	0.003	0.915	0.008	30.302	TRUE	4.70E-08
FVC	SLC17A5	cg11742202	rs72949487	T	G	-0.257	0.043	0.076	2.05E-09	0.001	0.004	0.845	0.010	35.905	TRUE	2.95E-09
FVC	SLC17A5	cg13599248	rs10943118	C	T	-0.923	0.044	0.072	7.22E-97	-0.012	0.005	0.009	0.105	435.978	TRUE	3.23E-90
FVC	SLC17A5	cg13599248	rs113968599	A	G	-0.852	0.103	0.015	1.33E-16	-0.014	0.010	0.167	0.018	68.377	TRUE	6.86E-16
FVC	SLC17A5	cg13599248	rs12199673	A	C	-0.213	0.039	0.100	3.65E-08	-0.011	0.004	0.007	0.008	30.313	TRUE	1.87E-07
FVC	SLC17A5	cg13599248	rs143808576	C	T	-0.714	0.106	0.013	1.48E-11	0.008	0.012	0.509	0.012	45.542	TRUE	3.15E-11
FVC	SLC17A5	cg13599248	rs56375536	A	G	-0.394	0.064	0.034	6.59E-10	-0.005	0.006	0.411	0.010	38.119	TRUE	1.40E-09
FVC	SLC17A5	cg13599248	rs642651	C	A	0.265	0.025	0.316	2.79E-26	0.001	0.003	0.814	0.029	112.428	TRUE	1.10E-25
FVC	SLC17A5	cg13599248	rs72949487	T	G	-0.270	0.043	0.076	3.22E-10	0.001	0.004	0.845	0.011	39.518	TRUE	4.79E-10
FVC	SLC17A5	cg13599248	rs9442941	T	G	-0.235	0.026	0.309	6.91E-20	-0.001	0.003	0.598	0.022	83.295	TRUE	2.29E-19
FVC	SLC17A5	cg22208108	rs117677155	T	C	-0.470	0.081	0.020	5.49E-09	-0.005	0.008	0.546	0.009	33.989	TRUE	9.73E-09
FVC	SLC17A5	cg22208108	rs12208815	G	A	-0.235	0.040	0.091	5.58E-09	-0.014	0.004	6.80E-04	0.009	33.958	TRUE	4.53E-08
FVC	SLC17A5	cg22208108	rs1245346	A	C	-0.455	0.048	0.073	3.59E-21	-0.002	0.005	0.609	0.024	89.140	TRUE	1.27E-20
FVC	SLC17A5	cg22208108	rs12529857	A	G	0.360	0.030	0.181	8.91E-34	0.002	0.003	0.469	0.038	146.667	TRUE	1.09E-32
FVC	SLC17A5	cg22208108	rs12665364	G	A	0.348	0.059	0.042	3.78E-09	0.000	0.006	0.951	0.009	34.714	TRUE	4.96E-09
FVC	SLC17A5	cg22208108	rs140124183	G	A	-0.462	0.067	0.030	5.06E-12	0.001	0.007	0.913	0.013	47.637	TRUE	7.72E-12
FVC	SLC17A5	cg22208108	rs141362999	T	C	-0.489	0.051	0.044	1.11E-21	0.001	0.005	0.932	0.024	91.468	TRUE	2.77E-21
FVC	SLC17A5	cg22208108	rs4706548	G	A	-0.508	0.045	0.072	1.18E-29	-0.012	0.005	0.009	0.033	127.833	TRUE	7.70E-28
FVC	SLC17A5	cg22208108	rs488114	T	C	-0.418	0.045	0.137	1.83E-20	0.000	0.004	0.991	0.023	85.917	TRUE	3.93E-20
FVC	SLC17A5	cg22208108	rs498907	G	A	-0.782	0.020	0.388	<1E-200	-0.003	0.002	0.264	0.283	1458.401	TRUE	3.98E-280
FVC	SLC17A5	cg22208108	rs72960018	A	G	-0.179	0.027	0.250	3.32E-11	0.002	0.003	0.572	0.012	43.956	TRUE	6.63E-11
FVC	SLC17A5	cg22208108	rs77123747	G	A	-0.330	0.059	0.035	2.73E-08	0.005	0.006	0.441	0.008	30.872	TRUE	5.10E-08
FVC	SLC17A5	cg22208108	rs780296	T	C	-0.136	0.025	0.351	3.96E-08	-0.003	0.003	0.230	0.008	30.152	TRUE	9.15E-08
FVC	SLC26A1	cg09153458	rs10016151	G	A	0.242	0.024	0.412	3.48E-24	0.002	0.002	0.460	0.027	102.868	TRUE	1.93E-23
FVC	SLC26A1	cg09153458	rs115657987	A	G	-0.495	0.088	0.018	1.60E-08	0.010	0.009	0.261	0.009	31.907	TRUE	3.65E-08
FVC	SLC26A1	cg09153458	rs13143527	A	G	0.280	0.024	0.392	2.76E-31	-0.004	0.002	0.135	0.035	135.281	TRUE	6.68E-30
FVC	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	0.016	0.007	0.016	0.017	63.284	TRUE	1.79E-14
FVC	SLC26A1	cg09153458	rs17802266	A	C	-0.223	0.027	0.245	1.46E-16	0.006	0.003	0.015	0.018	68.183	TRUE	1.75E-15
FVC	SLC26A1	cg09153458	rs188806036	G	C	-0.581	0.027	0.242	1.13E-104	0.007	0.003	0.010	0.113	471.823	TRUE	2.33E-97
FVC	SLC26A1	cg09153458	rs34406303	C	G	0.272	0.043	0.083	2.34E-10	0.001	0.004	0.888	0.011	40.136	TRUE	3.38E-10
FVC	SLC26A1	cg09153458	rs3733344	G	T	0.378	0.023	0.458	4.41E-61	-0.003	0.002	0.222	0.068	271.733	TRUE	2.71E-58
FVC	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	-0.003	0.003	0.311	0.019	72.821	TRUE	5.77E-17
FVC	SLC26A1	cg09153458	rs57186616	A	G	0.223	0.032	0.155	5.63E-12	-0.004	0.003	0.218	0.013	47.428	TRUE	1.78E-11
FVC	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	-0.015	0.006	0.010	0.010	36.306	TRUE	9.38E-09

FVC	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	0.000	0.003	0.990	0.013	48.143	TRUE	5.55E-12
FVC	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	0.003	0.002	0.198	0.008	30.232	TRUE	9.43E-08
FVC	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	-0.003	0.003	0.311	0.009	33.142	TRUE	1.85E-08
FVC	SLC26A1	cg24226891	rs4690197	T	G	-0.273	0.029	0.204	9.62E-22	0.007	0.003	0.009	0.024	91.744	TRUE	2.25E-20
FVC	SLC30A2	cg00349061	rs11247870	A	C	0.161	0.024	0.474	8.25E-12	-0.010	0.002	3.73E-05	0.012	46.680	TRUE	1.70E-10
FVC	SLC30A2	cg00349061	rs12094933	C	T	-0.288	0.029	0.211	6.15E-24	0.014	0.003	1.71E-06	0.027	101.741	TRUE	1.59E-21
FVC	SLC30A2	cg00349061	rs55904918	C	T	0.856	0.076	0.025	3.10E-29	-0.001	0.007	0.921	0.033	125.913	TRUE	1.31E-28
FVC	SLC30A2	cg00349061	rs6675604	A	G	0.207	0.030	0.200	2.39E-12	-0.011	0.003	7.73E-05	0.013	49.107	TRUE	4.61E-11
FVC	SLC30A2	cg00349061	rs6686190	A	G	0.858	0.037	0.105	3.32E-117	-0.009	0.004	0.024	0.125	529.393	TRUE	6.77E-109
FVC	SLC30A2	cg01689405	rs1317709	G	T	-0.273	0.028	0.211	8.41E-22	0.014	0.003	1.73E-06	0.024	92.011	TRUE	1.52E-19
FVC	SLC38A9	cg07042489	rs4865968	A	T	-0.170	0.024	0.334	3.61E-12	-0.007	0.003	0.007	0.013	48.299	TRUE	3.02E-11
FVC	SLC38A9	cg07262873	rs6897117	T	C	-0.180	0.026	0.298	2.16E-12	-0.007	0.003	0.005	0.013	49.305	TRUE	1.97E-11
FVC	SLC38A9	cg26540004	rs4091933	C	G	0.149	0.027	0.257	3.34E-08	-0.004	0.003	0.125	0.008	30.485	TRUE	9.17E-08
FVC	SLC38A9	cg26540004	rs73113700	C	A	0.881	0.099	0.013	3.87E-19	0.000	0.009	0.980	0.021	79.891	TRUE	7.85E-19
FVC	SLC39A1	cg16262392	rs6724	C	G	0.213	0.025	0.293	5.20E-17	-0.006	0.003	0.031	0.019	70.223	TRUE	5.15E-16
FVC	SLC39A1	cg25064552	rs112231452	A	G	-0.170	0.030	0.200	1.36E-08	-0.006	0.003	0.040	0.009	32.233	TRUE	5.10E-08
FVC	SLC39A1	cg25064552	rs11264743	T	C	-0.574	0.025	0.291	5.78E-116	-0.006	0.003	0.029	0.124	523.691	TRUE	6.97E-108
FVC	SLC39A1	cg25064552	rs1685634	G	A	-0.162	0.023	0.474	6.02E-12	-0.003	0.002	0.163	0.013	47.297	TRUE	2.10E-11
FVC	SLC39A1	cg25064552	rs3103309	T	C	0.200	0.024	0.374	1.72E-16	0.003	0.003	0.178	0.018	67.867	TRUE	8.41E-16
FVC	SLC39A1	cg25064552	rs41302547	C	T	-0.378	0.054	0.049	2.71E-12	-0.001	0.005	0.809	0.013	48.864	TRUE	4.58E-12
FVC	SLC39A1	cg25064552	rs61805526	G	A	0.350	0.034	0.124	3.14E-25	-0.006	0.003	0.059	0.028	107.633	TRUE	5.75E-24
FVC	SLC39A1	cg25064552	rs6675978	C	T	0.154	0.023	0.438	4.62E-11	-0.004	0.002	0.118	0.012	43.310	TRUE	1.66E-10
FVC	SLC39A11	cg04004363	rs6501598	C	T	-0.177	0.023	0.454	3.56E-14	-0.001	0.002	0.583	0.015	57.365	TRUE	8.20E-14
FVC	SLC39A11	cg08853318	rs2236752	A	T	0.152	0.027	0.239	2.93E-08	0.000	0.003	0.945	0.008	30.736	TRUE	3.73E-08
FVC	SLC39A11	cg08853318	rs34953967	C	T	-0.694	0.046	0.180	2.83E-52	0.000	0.003	0.882	0.059	231.361	TRUE	1.12E-50
FVC	SLC39A11	cg08853318	rs8073902	G	T	0.157	0.025	0.357	2.11E-10	0.004	0.003	0.080	0.011	40.339	TRUE	8.18E-10
FVC	SLC39A11	cg08853318	rs8079240	C	T	-0.277	0.038	0.217	5.53E-13	-0.001	0.003	0.860	0.014	51.980	TRUE	9.17E-13
FVC	SLC39A11	cg08853318	rs903107	C	T	-0.142	0.024	0.451	1.71E-09	-0.001	0.002	0.722	0.010	36.256	TRUE	2.66E-09
FVC	SLC39A11	cg08875869	rs73995789	G	A	-0.857	0.057	0.042	4.57E-51	0.002	0.006	0.751	0.058	225.822	TRUE	2.02E-49
FVC	SLC39A11	cg09464990	rs118073026	T	C	-0.369	0.055	0.043	2.21E-11	0.001	0.006	0.895	0.012	44.748	TRUE	3.31E-11
FVC	SLC39A11	cg11761483	rs903107	C	T	0.223	0.023	0.451	3.12E-22	-0.001	0.002	0.722	0.025	93.970	TRUE	1.01E-21
FVC	SLC39A11	cg14233847	rs9910192	G	A	0.146	0.023	0.424	3.17E-10	0.005	0.002	0.027	0.011	39.544	TRUE	1.58E-09
FVC	SLC39A11	cg14673722	rs7224715	T	C	-0.573	0.023	0.456	2.06E-142	-0.001	0.002	0.615	0.149	645.211	TRUE	4.27E-133
FVC	SLC39A11	cg15391883	rs56376687	G	A	0.408	0.020	0.497	3.39E-89	0.006	0.002	0.011	0.098	400.750	TRUE	2.40E-83
FVC	SLC39A11	cg16434331	rs113446849	T	G	-1.623	0.060	0.036	5.61E-162	0.000	0.006	0.966	0.166	735.137	TRUE	7.90E-151
FVC	SLC39A11	cg16434331	rs12942980	G	A	-0.168	0.026	0.286	1.12E-10	-0.001	0.003	0.665	0.011	41.577	TRUE	1.95E-10
FVC	SLC39A11	cg16434331	rs2567501	C	A	-0.358	0.026	0.275	8.14E-43	0.003	0.003	0.235	0.048	188.028	TRUE	4.59E-41
FVC	SLC39A11	cg16434331	rs4793479	G	A	-0.239	0.025	0.373	5.74E-22	0.001	0.003	0.845	0.024	92.766	TRUE	1.62E-21
FVC	SLC39A11	cg16434331	rs57262674	A	T	-0.187	0.024	0.412	4.03E-15	0.000	0.002	0.893	0.016	61.651	TRUE	7.18E-15
FVC	SLC39A11	cg16434331	rs7223064	C	T	-0.191	0.030	0.195	1.14E-10	0.000	0.003	0.997	0.011	41.538	TRUE	1.53E-10
FVC	SLC39A11	cg16434331	rs8066857	T	C	-0.262	0.029	0.189	5.31E-19	0.001	0.003	0.875	0.021	79.265	TRUE	1.22E-18
FVC	SLC39A11	cg22263591	rs35544910	A	G	0.365	0.052	0.141	2.69E-12	0.001	0.003	0.873	0.013	48.878	TRUE	4.28E-12

FVC	SLC39A11	cg24940950	rs2567469	T	C	-0.308	0.024	0.373	4.56E-38	-0.002	0.003	0.418	0.043	166.297	TRUE	9.38E-37
FVC	SLC39A11	cg24940950	rs4793307	C	T	-0.164	0.027	0.250	6.73E-10	0.003	0.003	0.266	0.010	38.076	TRUE	1.70E-09
FVC	SLC39A11	cg25901000	rs2466527	C	T	0.139	0.024	0.396	3.87E-09	0.004	0.003	0.140	0.009	34.671	TRUE	1.11E-08
FVC	SLC39A11	cg26124719	rs111774634	C	G	-0.283	0.048	0.057	3.12E-09	0.003	0.005	0.522	0.009	35.088	TRUE	5.69E-09
FVC	SLC39A11	cg27025137	rs2714036	A	C	-0.289	0.040	0.102	5.57E-13	-0.001	0.004	0.855	0.014	51.964	TRUE	9.26E-13
FVC	SLC39A11	cg27025137	rs903107	C	T	0.141	0.023	0.451	1.94E-09	-0.001	0.002	0.722	0.010	36.012	TRUE	3.01E-09
FVC	SLC39A11	cg27248029	rs4969057	T	C	-0.303	0.026	0.281	1.87E-31	0.000	0.003	0.960	0.035	136.059	TRUE	8.70E-31
FVC	SLC39A11	cg27248029	rs6501598	C	T	-0.395	0.023	0.454	1.49E-65	-0.001	0.002	0.583	0.073	292.243	TRUE	6.05E-63
FVC	SLC39A11	cg27399387	rs35141073	C	A	-0.153	0.024	0.380	3.89E-10	-0.006	0.002	0.012	0.010	39.145	TRUE	2.33E-09
FVC	SLC39A11	cg27399387	rs55974215	A	C	-0.908	0.018	0.451	<1E-200	-0.001	0.002	0.585	0.408	2545.629	TRUE	<1E-200
FVC	SLC39A11	cg27399387	rs58936824	G	C	0.444	0.054	0.052	2.13E-16	-0.002	0.006	0.757	0.018	67.439	TRUE	4.68E-16
FVC	SLC39A11	cg27399387	rs62074575	C	G	0.419	0.053	0.144	1.57E-15	0.005	0.004	0.178	0.017	63.502	TRUE	7.25E-15
FVC	SLC39A11	cg27399387	rs71380163	A	G	0.232	0.029	0.227	4.54E-16	0.004	0.003	0.217	0.018	65.950	TRUE	2.02E-15
FVC	SLC39A11	cg27399387	rs8068237	C	A	-0.225	0.038	0.226	2.76E-09	0.001	0.003	0.800	0.009	35.324	TRUE	4.05E-09
FVC	SLC39A11	cg27399387	rs9674849	A	G	0.462	0.072	0.056	1.19E-10	0.000	0.005	0.989	0.011	41.459	TRUE	1.61E-10
FVC	SLC39A13	cg19668951	rs6485756	G	A	-0.163	0.025	0.328	3.45E-11	-0.006	0.003	0.010	0.012	43.880	TRUE	2.37E-10
FVC	SLC39A13	cg23312964	rs2084946	C	T	-0.142	0.024	0.324	5.88E-09	-0.007	0.003	0.005	0.009	33.856	TRUE	3.50E-08
FVC	SLC39A14	cg01754958	rs4872490	C	T	0.148	0.027	0.343	4.37E-08	-0.001	0.002	0.621	0.008	29.962	TRUE	6.94E-08
FVC	SLC39A14	cg05254747	rs11136018	G	A	0.205	0.036	0.162	8.84E-09	0.011	0.003	0.001	0.009	33.062	TRUE	6.62E-08
FVC	SLC39A14	cg05254747	rs4872484	T	C	-0.188	0.028	0.299	1.34E-11	0.000	0.003	0.906	0.012	45.735	TRUE	2.01E-11
FVC	SLC39A14	cg05487207	rs13258195	T	C	-0.216	0.031	0.230	1.47E-12	-0.002	0.003	0.564	0.013	50.067	TRUE	3.17E-12
FVC	SLC39A14	cg05487207	rs7839390	T	C	0.456	0.069	0.037	3.61E-11	0.000	0.006	0.967	0.012	43.793	TRUE	5.07E-11
FVC	SLC39A14	cg12081754	rs141286289	C	T	-0.327	0.045	0.071	5.02E-13	-0.003	0.004	0.423	0.014	52.169	TRUE	1.28E-12
FVC	SLC39A14	cg12081754	rs141892929	A	G	1.254	0.020	0.234	<1E-200	-0.002	0.003	0.470	0.503	3743.873	TRUE	<1E-200
FVC	SLC39A14	cg12081754	rs149485511	T	G	1.057	0.129	0.018	2.40E-16	0.000	0.008	0.968	0.018	67.206	TRUE	4.26E-16
FVC	SLC39A14	cg12081754	rs2443499	C	T	-0.462	0.043	0.225	1.27E-26	0.002	0.003	0.440	0.030	113.990	TRUE	8.90E-26
FVC	SLC39A14	cg12081754	rs2449346	C	T	0.365	0.025	0.434	7.49E-47	-0.001	0.002	0.702	0.053	206.511	TRUE	2.25E-45
FVC	SLC39A14	cg12081754	rs2941199	A	T	-0.325	0.042	0.272	5.39E-15	0.003	0.003	0.195	0.016	61.081	TRUE	2.31E-14
FVC	SLC39A14	cg12081754	rs33999442	T	C	-0.496	0.031	0.201	2.75E-56	0.009	0.003	0.002	0.063	249.755	TRUE	1.40E-52
FVC	SLC39A14	cg12081754	rs36105277	G	A	0.388	0.025	0.441	7.24E-53	0.009	0.002	1.55E-04	0.060	234.072	TRUE	5.72E-49
FVC	SLC39A14	cg12081754	rs4872004	T	C	0.327	0.027	0.303	4.19E-33	0.007	0.003	0.006	0.037	143.594	TRUE	4.87E-31
FVC	SLC39A14	cg12081754	rs554208420	C	A	-0.359	0.055	0.049	8.73E-11	-0.004	0.005	0.371	0.011	42.063	TRUE	2.06E-10
FVC	SLC39A14	cg12081754	rs6558170	C	G	-0.228	0.028	0.270	6.88E-16	0.007	0.003	0.005	0.017	65.132	TRUE	1.02E-14
FVC	SLC39A14	cg12081754	rs73227857	T	C	-0.350	0.049	0.169	7.71E-13	-0.008	0.003	0.015	0.014	51.327	TRUE	5.88E-12
FVC	SLC39A14	cg12081754	rs74774452	G	C	1.238	0.167	0.012	1.19E-13	-0.014	0.011	0.225	0.015	55.003	TRUE	4.26E-13
FVC	SLC39A14	cg12081754	rs75269608	T	A	0.254	0.042	0.102	1.84E-09	0.005	0.004	0.184	0.010	36.120	TRUE	5.14E-09
FVC	SLC39A14	cg13512537	rs10088686	A	C	0.225	0.028	0.268	1.99E-15	-0.001	0.003	0.730	0.017	63.040	TRUE	4.23E-15
FVC	SLC39A14	cg13512537	rs12676477	C	T	-0.754	0.026	0.295	1.44E-179	-0.002	0.003	0.553	0.181	815.999	TRUE	1.59E-165
FVC	SLC39A14	cg13512537	rs148082025	A	G	0.302	0.034	0.162	1.24E-18	0.011	0.003	9.07E-04	0.021	77.591	TRUE	3.78E-17
FVC	SLC39A14	cg13512537	rs2449346	C	T	-0.154	0.026	0.434	1.97E-09	-0.001	0.002	0.702	0.010	35.982	TRUE	3.13E-09
FVC	SLC39A14	cg13512537	rs28513286	G	C	-0.514	0.060	0.050	7.63E-18	0.002	0.005	0.775	0.020	74.007	TRUE	1.78E-17
FVC	SLC39A14	cg13512537	rs4872477	A	G	-0.233	0.025	0.494	1.24E-20	0.009	0.002	3.52E-04	0.023	86.684	TRUE	6.02E-19

FVC	SLC39A14	cg13512537	rs6998654	T	C	0.299	0.055	0.133	4.27E-08	0.003	0.004	0.489	0.008	30.008	TRUE	7.45E-08
FVC	SLC39A14	cg13512537	rs75269608	T	A	-0.284	0.042	0.102	1.68E-11	0.005	0.004	0.184	0.012	45.282	TRUE	5.58E-11
FVC	SLC39A14	cg14348540	rs4871996	C	T	0.422	0.035	0.160	2.32E-33	0.010	0.003	0.003	0.038	144.771	TRUE	3.37E-31
FVC	SLC39A14	cg14348540	rs4872483	T	C	-0.221	0.028	0.300	1.99E-15	0.000	0.003	0.937	0.017	63.036	TRUE	3.49E-15
FVC	SLC39A14	cg15257755	rs141286289	C	T	-0.270	0.045	0.071	2.66E-09	-0.003	0.004	0.423	0.009	35.401	TRUE	5.32E-09
FVC	SLC39A14	cg15257755	rs28684831	A	G	0.370	0.042	0.109	6.42E-19	0.013	0.004	0.001	0.021	78.892	TRUE	1.86E-17
FVC	SLC39A14	cg15257755	rs59160602	G	A	0.587	0.054	0.052	2.25E-27	0.005	0.005	0.388	0.031	117.420	TRUE	1.82E-26
FVC	SLC39A14	cg15257755	rs6558033	C	T	0.472	0.025	0.454	6.64E-78	0.005	0.002	0.035	0.086	348.914	TRUE	2.83E-73
FVC	SLC39A14	cg15257755	rs73544036	G	A	0.535	0.067	0.041	9.43E-16	0.000	0.006	0.968	0.017	64.511	TRUE	1.62E-15
FVC	SLC39A14	cg18042586	rs1987226	T	C	0.602	0.026	0.340	2.94E-119	-0.002	0.002	0.504	0.127	538.822	TRUE	3.16E-112
FVC	SLC39A14	cg18042586	rs199957148	A	C	0.374	0.068	0.040	3.55E-08	0.000	0.006	0.992	0.008	30.362	TRUE	4.37E-08
FVC	SLC39A14	cg18042586	rs2449344	T	C	-0.276	0.049	0.064	1.34E-08	-0.004	0.005	0.402	0.009	32.248	TRUE	2.65E-08
FVC	SLC39A14	cg18042586	rs2469765	C	T	0.212	0.025	0.446	7.79E-17	0.001	0.002	0.831	0.018	69.424	TRUE	1.62E-16
FVC	SLC39A14	cg18042586	rs2645	T	C	0.158	0.025	0.462	4.43E-10	0.005	0.002	0.053	0.010	38.893	TRUE	1.87E-09
FVC	SLC39A14	cg18042586	rs76660160	G	A	-0.231	0.034	0.160	1.83E-11	0.002	0.003	0.600	0.012	45.116	TRUE	3.57E-11
FVC	SLC39A14	cg19595092	rs73227818	C	T	-0.247	0.030	0.235	2.64E-16	-0.002	0.003	0.404	0.018	67.019	TRUE	8.84E-16
FVC	SLC39A14	cg23129673	rs13266541	A	G	0.880	0.026	0.291	8.33E-253	-0.002	0.003	0.551	0.238	1152.742	TRUE	2.64E-227
FVC	SLC39A14	cg23129673	rs141286289	C	T	-0.272	0.045	0.071	1.90E-09	-0.003	0.004	0.423	0.010	36.051	TRUE	3.85E-09
FVC	SLC39A14	cg23129673	rs148082025	A	G	-0.330	0.034	0.162	5.07E-22	0.011	0.003	9.07E-04	0.025	93.012	TRUE	2.42E-20
FVC	SLC39A14	cg23129673	rs2272716	C	T	-0.178	0.032	0.191	3.54E-08	-0.001	0.003	0.775	0.008	30.368	TRUE	5.05E-08
FVC	SLC39A14	cg23129673	rs2449336	A	G	-0.284	0.045	0.211	2.51E-10	0.007	0.003	0.015	0.011	39.999	TRUE	1.44E-09
FVC	SLC39A14	cg23129673	rs2469765	C	T	0.230	0.025	0.446	1.41E-19	0.001	0.002	0.831	0.022	81.892	TRUE	3.43E-19
FVC	SLC39A14	cg23129673	rs28511282	A	G	0.572	0.060	0.049	2.18E-21	0.004	0.005	0.489	0.024	90.127	TRUE	9.17E-21
FVC	SLC39A14	cg23129673	rs4872004	T	C	0.194	0.027	0.303	1.47E-12	0.007	0.003	0.006	0.013	50.060	TRUE	1.37E-11
FVC	SLC39A14	cg23129673	rs4872465	T	G	0.294	0.043	0.100	8.71E-12	0.007	0.004	0.083	0.012	46.573	TRUE	3.86E-11
FVC	SLC39A14	cg23129673	rs4872477	A	G	0.227	0.025	0.494	1.50E-19	0.009	0.002	3.52E-04	0.022	81.758	TRUE	6.27E-18
FVC	SLC39A14	cg23129673	rs73227857	T	C	-0.285	0.049	0.169	6.19E-09	-0.008	0.003	0.015	0.009	33.755	TRUE	2.99E-08
FVC	SLC39A14	cg23563866	rs6994140	A	G	0.312	0.036	0.153	7.73E-18	0.010	0.003	0.004	0.020	73.980	TRUE	1.47E-16
FVC	SLC39A14	cg23882724	rs4871996	C	T	0.200	0.035	0.160	1.63E-08	0.010	0.003	0.003	0.009	31.877	TRUE	9.82E-08
FVC	SLC39A14	cg25257677	rs11136018	G	A	0.213	0.036	0.162	2.23E-09	0.011	0.003	0.001	0.010	35.746	TRUE	1.83E-08
FVC	SLC39A14	cg25257677	rs4872483	T	C	-0.186	0.028	0.300	2.30E-11	0.000	0.003	0.937	0.012	44.669	TRUE	3.34E-11
FVC	SLC39A14	cg27467876	rs12548863	T	A	-0.945	0.056	0.055	3.36E-63	0.005	0.005	0.392	0.071	281.451	TRUE	1.59E-60
FVC	SLC39A14	cg27467876	rs141286289	C	T	0.429	0.045	0.071	2.10E-21	-0.003	0.004	0.423	0.024	90.197	TRUE	9.75E-21
FVC	SLC39A14	cg27467876	rs141892929	A	G	-1.228	0.021	0.234	<1E-200	-0.002	0.003	0.470	0.483	3458.308	TRUE	<1E-200
FVC	SLC39A14	cg27467876	rs148082025	A	G	0.527	0.034	0.162	1.03E-54	0.011	0.003	9.07E-04	0.062	242.545	TRUE	5.54E-51
FVC	SLC39A14	cg27467876	rs149485511	T	G	-0.958	0.129	0.018	1.17E-13	0.000	0.008	0.968	0.015	55.035	TRUE	1.82E-13
FVC	SLC39A14	cg27467876	rs193004879	T	C	-0.962	0.167	0.012	9.12E-09	-0.016	0.011	0.165	0.009	33.003	TRUE	2.46E-08
FVC	SLC39A14	cg27467876	rs2443499	C	T	0.486	0.043	0.225	1.89E-29	0.002	0.003	0.440	0.033	126.896	TRUE	1.69E-28
FVC	SLC39A14	cg27467876	rs2449336	A	G	0.374	0.045	0.211	5.14E-17	0.007	0.003	0.015	0.019	70.243	TRUE	6.32E-16
FVC	SLC39A14	cg27467876	rs2449346	C	T	-0.341	0.025	0.434	5.06E-41	-0.001	0.002	0.702	0.046	179.818	TRUE	8.26E-40
FVC	SLC39A14	cg27467876	rs36105277	G	A	-0.464	0.025	0.441	7.89E-76	0.009	0.002	1.55E-04	0.084	339.393	TRUE	3.95E-70
FVC	SLC39A14	cg27467876	rs554208420	C	A	0.381	0.055	0.049	5.65E-12	-0.004	0.005	0.371	0.013	47.422	TRUE	1.44E-11

FVC	SLC39A14	cg27467876	rs73227857	T	C	0.468	0.048	0.169	5.24E-22	-0.008	0.003	0.015	0.025	92.944	TRUE	1.12E-20
FVC	SLC39A14	cg27467876	rs75048938	G	C	0.242	0.044	0.088	4.02E-08	-0.004	0.004	0.366	0.008	30.123	TRUE	7.93E-08
FVC	SLC39A14	cg27467876	rs75269608	T	A	-0.463	0.042	0.102	3.06E-28	0.005	0.004	0.184	0.032	121.374	TRUE	4.44E-27
FVC	SLC39A4	cg00065570	rs2242269	G	A	0.248	0.023	0.489	1.96E-26	0.009	0.002	1.90E-04	0.030	113.127	TRUE	2.39E-24
FVC	SLC39A4	cg02583091	rs2291133	T	G	-0.132	0.024	0.424	3.18E-08	-0.010	0.002	2.58E-05	0.008	30.581	TRUE	3.51E-07
FVC	SLC39A4	cg02583091	rs35847380	T	C	0.881	0.044	0.077	2.23E-89	-0.015	0.004	5.23E-04	0.098	401.585	TRUE	1.02E-82
FVC	SLC39A4	cg02583091	rs62531506	A	G	0.253	0.036	0.140	1.45E-12	-0.005	0.003	0.151	0.013	50.084	TRUE	5.47E-12
FVC	SLC39A4	cg02583091	rs7015683	G	T	0.243	0.024	0.436	7.03E-24	-0.004	0.002	0.138	0.027	101.479	TRUE	7.48E-23
FVC	SLC39A4	cg03453890	rs2977837	A	G	-0.711	0.045	0.076	2.21E-56	-0.015	0.004	7.73E-04	0.063	250.182	TRUE	1.69E-52
FVC	SLC39A4	cg04600798	rs7843675	G	A	-0.307	0.045	0.076	9.28E-12	-0.015	0.004	8.06E-04	0.012	46.449	TRUE	1.12E-10
FVC	SLC39A4	cg05574324	rs4925858	A	G	0.151	0.023	0.483	6.24E-11	0.010	0.002	4.89E-05	0.011	42.720	TRUE	1.07E-09
FVC	SLC39A4	cg05574324	rs7813146	C	T	-0.346	0.045	0.076	9.85E-15	-0.015	0.004	7.73E-04	0.016	59.893	TRUE	1.84E-13
FVC	SLC39A4	cg05681977	rs2291133	T	G	-0.149	0.024	0.424	5.02E-10	-0.010	0.002	2.58E-05	0.010	38.650	TRUE	7.74E-09
FVC	SLC39A4	cg05681977	rs35847380	T	C	0.932	0.044	0.077	1.26E-100	-0.015	0.004	5.23E-04	0.109	453.242	TRUE	6.71E-93
FVC	SLC39A4	cg05681977	rs62531499	T	C	0.268	0.036	0.139	8.94E-14	-0.005	0.003	0.177	0.015	55.557	TRUE	3.58E-13
FVC	SLC39A4	cg05681977	rs7814545	A	G	0.256	0.024	0.436	2.88E-26	-0.004	0.002	0.144	0.029	112.370	TRUE	3.84E-25
FVC	SLC39A4	cg07933378	rs11776445	A	G	0.945	0.017	0.489	<1E-200	0.009	0.002	1.53E-04	0.446	2971.977	TRUE	<1E-200
FVC	SLC39A4	cg07933378	rs118063632	T	C	0.442	0.041	0.096	1.91E-27	0.014	0.004	0.001	0.031	117.740	TRUE	1.70E-25
FVC	SLC39A4	cg07933378	rs12681727	A	G	0.196	0.036	0.117	3.45E-08	0.008	0.004	0.030	0.008	30.419	TRUE	1.33E-07
FVC	SLC39A4	cg07933378	rs13264480	A	G	-0.455	0.067	0.034	1.39E-11	0.000	0.006	0.976	0.012	45.662	TRUE	1.97E-11
FVC	SLC39A4	cg07933378	rs144378245	A	G	0.387	0.063	0.033	9.95E-10	-0.010	0.006	0.119	0.010	37.315	TRUE	3.19E-09
FVC	SLC39A4	cg07933378	rs145477989	T	C	-0.599	0.102	0.029	4.13E-09	-0.013	0.008	0.080	0.009	34.542	TRUE	1.40E-08
FVC	SLC39A4	cg07933378	rs186891026	A	C	0.569	0.041	0.093	1.14E-44	0.013	0.004	0.002	0.050	196.521	TRUE	9.92E-42
FVC	SLC39A4	cg07933378	rs35847380	T	C	-0.503	0.045	0.077	3.27E-29	-0.015	0.004	5.23E-04	0.033	125.810	TRUE	4.91E-27
FVC	SLC39A4	cg07933378	rs4330728	A	G	-0.189	0.024	0.454	1.74E-15	-0.007	0.002	0.003	0.017	63.310	TRUE	2.75E-14
FVC	SLC39A4	cg07933378	rs4977200	A	G	-0.298	0.024	0.386	5.48E-35	-0.019	0.003	3.85E-14	0.040	152.207	TRUE	1.65E-30
FVC	SLC39A4	cg07933378	rs56041273	T	C	0.631	0.047	0.060	2.74E-40	0.018	0.005	1.48E-04	0.046	176.460	TRUE	2.99E-37
FVC	SLC39A4	cg07933378	rs62531506	A	G	-0.307	0.036	0.140	7.50E-18	-0.005	0.003	0.151	0.020	74.041	TRUE	4.44E-17
FVC	SLC39A4	cg07933378	rs72699313	C	A	0.285	0.038	0.093	1.26E-13	0.006	0.004	0.105	0.015	54.878	TRUE	6.08E-13
FVC	SLC39A4	cg07933378	rs80233585	A	G	-0.265	0.023	0.462	8.46E-30	-0.013	0.002	3.41E-08	0.034	128.491	TRUE	1.03E-26
FVC	SLC39A4	cg08969922	rs1011212	T	C	0.142	0.023	0.485	9.62E-10	0.009	0.002	1.01E-04	0.010	37.380	TRUE	1.14E-08
FVC	SLC39A4	cg12676500	rs2721188	C	T	0.250	0.024	0.392	8.32E-25	-0.008	0.002	0.001	0.028	105.704	TRUE	5.64E-23
FVC	SLC39A4	cg12676500	rs2977837	A	G	-0.852	0.045	0.076	3.73E-81	-0.015	0.004	7.73E-04	0.090	363.832	TRUE	2.54E-75
FVC	SLC39A4	cg14228592	rs2291133	T	G	-0.141	0.024	0.424	4.15E-09	-0.010	0.002	2.58E-05	0.009	34.531	TRUE	5.43E-08
FVC	SLC39A4	cg14228592	rs35847380	T	C	0.973	0.044	0.077	3.89E-110	-0.015	0.004	5.23E-04	0.118	496.918	TRUE	1.90E-101
FVC	SLC39A4	cg14228592	rs62531499	T	C	0.271	0.036	0.139	3.95E-14	-0.005	0.003	0.177	0.015	57.164	TRUE	1.63E-13
FVC	SLC39A4	cg14228592	rs7814545	A	G	0.275	0.024	0.436	3.14E-30	-0.004	0.002	0.144	0.034	130.459	TRUE	6.22E-29
FVC	SLC39A4	cg18246227	rs2977837	A	G	0.515	0.045	0.076	5.06E-30	-0.015	0.004	7.73E-04	0.034	129.512	TRUE	7.45E-28
FVC	SLC39A4	cg20259557	rs2721188	C	T	0.211	0.024	0.392	5.12E-18	-0.008	0.002	0.001	0.020	74.794	TRUE	1.41E-16
FVC	SLC39A4	cg20259557	rs2977837	A	G	-0.612	0.045	0.076	8.03E-42	-0.015	0.004	7.73E-04	0.047	183.477	TRUE	6.32E-39
FVC	SLC39A4	cg24625894	rs7813146	C	T	-0.260	0.045	0.076	6.85E-09	-0.015	0.004	7.73E-04	0.009	33.559	TRUE	5.48E-08
FVC	SLC39A8	cg13735704	rs11735688	C	T	0.217	0.029	0.198	1.22E-13	-0.003	0.003	0.304	0.015	54.939	TRUE	3.87E-13

FVC	SLC39A8	cg14579898	rs11933046	C	G	-0.262	0.044	0.085	2.69E-09	0.002	0.004	0.697	0.009	35.376	TRUE	4.29E-09
FVC	SLC39A8	cg14579898	rs151403	A	G	-0.303	0.025	0.320	2.75E-33	-0.005	0.003	0.035	0.038	144.434	TRUE	1.65E-31
FVC	SLC39A8	cg14579898	rs6829701	A	G	0.179	0.025	0.326	8.47E-13	-0.002	0.003	0.482	0.014	51.143	TRUE	2.03E-12
FVC	SLC39A8	cg26184765	rs115945651	A	G	-0.828	0.090	0.019	4.10E-20	-0.004	0.008	0.598	0.022	84.327	TRUE	1.37E-19
FVC	SLC39A8	cg26184765	rs151390	T	C	0.385	0.026	0.276	7.48E-50	0.010	0.003	1.31E-04	0.056	220.259	TRUE	4.09E-46
FVC	SLC39A8	cg26184765	rs151399	C	T	0.376	0.028	0.227	5.08E-41	-0.004	0.003	0.186	0.046	179.808	TRUE	2.71E-39
FVC	SLC39A8	cg26184765	rs17032150	G	T	-0.554	0.032	0.155	1.96E-67	-0.002	0.003	0.511	0.075	300.875	TRUE	1.28E-64
FVC	SLC39A8	cg26184765	rs17032286	G	T	-0.931	0.097	0.026	1.06E-21	-0.010	0.007	0.164	0.024	91.556	TRUE	8.60E-21
FVC	SLC39A8	cg26184765	rs230487	C	A	-0.201	0.036	0.271	2.12E-08	-0.002	0.003	0.374	0.008	31.365	TRUE	4.22E-08
FVC	SLC39A8	cg26184765	rs238490	C	A	0.242	0.024	0.351	8.69E-24	0.004	0.003	0.096	0.027	101.059	TRUE	1.09E-22
FVC	SLC39A8	cg26184765	rs2903278	G	A	-0.933	0.021	0.278	<1E-200	-0.005	0.003	0.060	0.339	1899.768	TRUE	<1E-200
FVC	SLC39A8	cg26184765	rs3960787	G	A	-0.279	0.037	0.108	4.52E-14	0.014	0.004	1.75E-04	0.015	56.900	TRUE	9.93E-13
FVC	SLC39A8	cg26184765	rs62328509	T	G	-0.164	0.024	0.375	1.75E-11	-0.001	0.002	0.699	0.012	45.205	TRUE	3.09E-11
FVC	SLC39A8	cg26184765	rs72684892	A	G	-0.208	0.026	0.283	1.15E-15	-0.005	0.003	0.062	0.017	64.123	TRUE	8.06E-15
FVC	SLC39A8	cg26184765	rs7659989	C	T	-0.373	0.031	0.169	1.71E-32	-0.002	0.003	0.601	0.037	140.801	TRUE	1.49E-31
FVC	SLC39A8	cg26184765	rs7700191	A	G	-0.255	0.043	0.080	2.04E-09	0.003	0.004	0.423	0.010	35.918	TRUE	4.16E-09
FVC	SLC39A8	cg26184765	rs77160456	T	C	-0.681	0.052	0.056	6.53E-40	-0.003	0.005	0.638	0.045	174.732	TRUE	1.07E-38
FVC	SLC40A1	cg01158447	rs13015236	C	T	-0.252	0.024	0.385	2.15E-26	-0.004	0.002	0.095	0.030	112.943	TRUE	3.74E-25
FVC	SLC40A1	cg10752008	rs1123109	C	T	0.778	0.027	0.226	6.33E-181	-0.006	0.003	0.035	0.182	822.233	TRUE	5.63E-165
FVC	SLC40A1	cg10752008	rs114838626	C	G	0.563	0.072	0.020	3.88E-15	-0.017	0.007	0.020	0.016	61.726	TRUE	3.54E-14
FVC	SLC40A1	cg10752008	rs11683621	T	C	-0.209	0.034	0.147	5.32E-10	0.001	0.003	0.884	0.010	38.534	TRUE	7.60E-10
FVC	SLC40A1	cg10752008	rs11896326	C	T	-0.258	0.034	0.150	2.38E-14	0.000	0.003	0.989	0.015	58.161	TRUE	3.72E-14
FVC	SLC40A1	cg10752008	rs13006842	G	T	0.330	0.060	0.080	3.54E-08	-0.007	0.005	0.121	0.008	30.368	TRUE	9.79E-08
FVC	SLC40A1	cg10752008	rs35475196	A	C	0.160	0.025	0.320	1.98E-10	-0.002	0.003	0.567	0.011	40.467	TRUE	3.79E-10
FVC	SLC40A1	cg10752008	rs6434353	C	A	0.402	0.048	0.065	4.74E-17	-0.001	0.005	0.881	0.019	70.403	TRUE	9.48E-17
FVC	SLC40A1	cg10752008	rs75949659	A	C	0.431	0.044	0.088	7.01E-23	-0.013	0.004	0.003	0.026	96.925	TRUE	2.65E-21
FVC	SLC40A1	cg11692477	rs1123110	G	A	0.223	0.024	0.382	2.82E-20	-0.003	0.002	0.159	0.022	85.068	TRUE	2.07E-19
FVC	SLC40A1	cg14499385	rs10497704	A	G	-0.262	0.048	0.066	3.73E-08	0.003	0.005	0.541	0.008	30.269	TRUE	6.30E-08
FVC	SLC40A1	cg14499385	rs12622938	A	C	0.334	0.060	0.042	2.48E-08	0.001	0.006	0.874	0.008	31.060	TRUE	3.31E-08
FVC	SLC40A1	cg14499385	rs3811621	C	G	0.520	0.026	0.279	1.54E-90	-0.007	0.003	0.013	0.099	406.923	TRUE	1.28E-84
FVC	SLC40A1	cg14499385	rs72908658	A	G	0.389	0.070	0.025	2.91E-08	-0.007	0.007	0.297	0.008	30.747	TRUE	6.25E-08
FVC	SLC40A1	cg14499385	rs75818079	C	G	-0.435	0.076	0.027	1.27E-08	0.003	0.008	0.747	0.009	32.354	TRUE	1.88E-08
FVC	SLC40A1	cg14499385	rs9789465	T	C	0.136	0.024	0.465	1.00E-08	-0.004	0.002	0.062	0.009	32.818	TRUE	3.43E-08
FVC	SLC40A1	cg15599483	rs12693542	G	A	0.217	0.027	0.264	1.22E-15	-0.007	0.003	0.011	0.017	64.010	TRUE	1.41E-14
FVC	SLC40A1	cg15599483	rs141418891	G	A	0.380	0.058	0.047	5.09E-11	-0.007	0.006	0.268	0.012	43.120	TRUE	1.38E-10
FVC	SLC40A1	cg19075346	rs1123109	C	T	-0.463	0.028	0.226	2.72E-61	-0.006	0.003	0.035	0.069	272.701	TRUE	6.88E-58
FVC	SMCR8	cg19346202	rs141443388	G	A	-0.419	0.070	0.024	1.64E-09	-0.001	0.008	0.881	0.010	36.340	TRUE	2.30E-09
FVC	SMCR8	cg19346202	rs4924845	G	A	-0.335	0.025	0.319	3.23E-42	0.005	0.003	0.047	0.048	185.286	TRUE	4.78E-40
FVC	SMCR8	cg19346202	rs56806702	T	G	0.178	0.032	0.168	1.98E-08	-0.008	0.003	0.011	0.008	31.495	TRUE	9.45E-08
FVC	SMPD1	cg18477969	rs1050239	A	G	-0.696	0.026	0.242	4.08E-152	0.008	0.003	0.002	0.157	689.808	TRUE	5.65E-139
FVC	SMPD1	cg18477969	rs4758104	T	C	0.184	0.033	0.412	1.47E-08	0.000	0.003	0.951	0.009	32.069	TRUE	1.90E-08
FVC	SMPD1	cg24682012	rs1050239	A	G	-0.233	0.028	0.242	6.16E-17	0.008	0.003	0.002	0.019	69.889	TRUE	1.24E-15

FVC	SMPD1	cg24682012	rs7103750	G	C	0.645	0.036	0.109	3.70E-71	-0.002	0.004	0.534	0.079	317.960	TRUE	3.80E-68
FVC	SNAI1	cg22815953	rs6095726	G	A	-0.233	0.030	0.193	4.92E-15	-0.008	0.003	0.007	0.016	61.257	TRUE	5.77E-14
FVC	SNAI1	cg23100428	rs6020170	G	A	0.204	0.030	0.193	7.21E-12	-0.008	0.003	0.006	0.013	46.944	TRUE	5.89E-11
FVC	SNAI1	cg25655593	rs118050118	A	G	0.674	0.123	0.022	4.54E-08	0.006	0.008	0.468	0.008	29.886	TRUE	8.13E-08
FVC	SNAI1	cg25655593	rs6020178	C	T	0.230	0.030	0.192	1.04E-14	-0.008	0.003	0.005	0.016	59.780	TRUE	1.26E-13
FVC	SNAI1	cg26873164	rs5014389	A	T	-0.588	0.039	0.102	1.43E-52	-0.005	0.004	0.182	0.059	232.715	TRUE	3.31E-50
FVC	SNAI1	cg26873164	rs6067330	A	G	0.139	0.024	0.474	5.35E-09	0.004	0.002	0.094	0.009	34.041	TRUE	1.72E-08
FVC	SNCA	cg01035160	rs6812192	A	G	-0.147	0.023	0.495	2.10E-10	0.004	0.002	0.086	0.011	40.349	TRUE	7.69E-10
FVC	SNCA	cg01966878	rs10516864	G	A	-0.277	0.024	0.444	1.60E-31	-0.001	0.002	0.582	0.036	136.361	TRUE	1.32E-30
FVC	SNCA	cg01966878	rs13125108	G	T	-0.194	0.023	0.478	8.83E-17	-0.006	0.002	0.023	0.018	69.178	TRUE	9.50E-16
FVC	SNCA	cg01966878	rs142993106	A	G	0.757	0.098	0.012	1.28E-14	0.014	0.010	0.167	0.016	59.384	TRUE	5.62E-14
FVC	SNCA	cg01966878	rs149899944	T	G	0.595	0.068	0.031	1.83E-18	-0.003	0.008	0.670	0.020	76.825	TRUE	5.00E-18
FVC	SNCA	cg01966878	rs17016330	T	C	0.607	0.070	0.029	7.30E-18	-0.002	0.007	0.750	0.020	74.095	TRUE	1.76E-17
FVC	SNCA	cg01966878	rs17795442	C	T	0.457	0.067	0.028	9.50E-12	-0.001	0.007	0.840	0.012	46.405	TRUE	1.51E-11
FVC	SNCA	cg01966878	rs1837890	A	C	0.513	0.026	0.256	1.23E-88	-0.003	0.003	0.229	0.097	398.182	TRUE	6.77E-84
FVC	SNCA	cg01966878	rs1841625	G	A	-0.242	0.024	0.433	2.47E-24	-0.004	0.002	0.095	0.027	103.551	TRUE	3.35E-23
FVC	SNCA	cg01966878	rs34305125	A	G	0.712	0.080	0.025	3.59E-19	-0.001	0.008	0.870	0.021	80.039	TRUE	8.21E-19
FVC	SNCA	cg01966878	rs3756059	G	A	0.797	0.020	0.484	<1E-200	0.004	0.002	0.091	0.295	1547.224	TRUE	1.90E-294
FVC	SNCA	cg01966878	rs3775465	C	A	-0.409	0.046	0.077	2.75E-19	-0.001	0.005	0.896	0.021	80.565	TRUE	6.18E-19
FVC	SNCA	cg01966878	rs62306279	C	T	-0.326	0.054	0.050	1.05E-09	0.005	0.005	0.387	0.010	37.209	TRUE	2.26E-09
FVC	SNCA	cg01966878	rs62312689	A	G	-0.288	0.045	0.072	1.91E-10	0.006	0.005	0.247	0.011	40.530	TRUE	5.19E-10
FVC	SNCA	cg01966878	rs6532182	T	A	-0.192	0.033	0.140	8.69E-09	0.004	0.003	0.209	0.009	33.097	TRUE	2.20E-08
FVC	SNCA	cg01966878	rs72881699	G	A	0.269	0.038	0.108	1.18E-12	0.008	0.004	0.027	0.013	50.495	TRUE	7.68E-12
FVC	SNCA	cg02192967	rs6532198	C	T	-0.179	0.023	0.480	9.69E-15	0.004	0.002	0.128	0.016	59.925	TRUE	4.69E-14
FVC	SNCA	cg06632027	rs11728457	G	A	0.167	0.028	0.250	1.48E-09	-0.001	0.003	0.678	0.010	36.544	TRUE	2.41E-09
FVC	SNCA	cg06632027	rs1372520	T	C	0.629	0.028	0.209	4.24E-113	-0.004	0.003	0.191	0.121	510.531	TRUE	4.16E-106
FVC	SNCA	cg06632027	rs142993106	A	G	0.548	0.098	0.012	2.52E-08	0.014	0.010	0.167	0.008	31.031	TRUE	6.53E-08
FVC	SNCA	cg06632027	rs17016330	T	C	0.557	0.071	0.029	2.75E-15	-0.002	0.007	0.750	0.017	62.406	TRUE	5.72E-15
FVC	SNCA	cg06632027	rs17810668	G	A	-0.418	0.066	0.066	2.73E-10	0.002	0.005	0.691	0.011	39.836	TRUE	4.61E-10
FVC	SNCA	cg06632027	rs189994040	T	A	0.586	0.107	0.012	4.67E-08	-0.005	0.010	0.580	0.008	29.833	TRUE	7.61E-08
FVC	SNCA	cg06632027	rs71609574	A	G	0.671	0.084	0.021	1.26E-15	0.001	0.009	0.950	0.017	63.934	TRUE	2.19E-15
FVC	SNCA	cg08767460	rs10516863	T	C	-0.219	0.032	0.166	5.74E-12	-0.003	0.003	0.338	0.013	47.391	TRUE	1.51E-11
FVC	SNCA	cg08767460	rs111450301	T	G	0.689	0.068	0.028	2.21E-24	0.008	0.008	0.298	0.027	103.768	TRUE	1.65E-23
FVC	SNCA	cg08767460	rs13125108	G	T	-0.203	0.023	0.478	2.71E-18	-0.006	0.002	0.023	0.020	76.050	TRUE	3.44E-17
FVC	SNCA	cg08767460	rs143823825	A	G	0.594	0.095	0.014	3.70E-10	0.004	0.009	0.673	0.010	39.246	TRUE	6.26E-10
FVC	SNCA	cg08767460	rs17174961	A	G	0.196	0.025	0.347	2.78E-15	0.002	0.003	0.353	0.017	62.381	TRUE	9.13E-15
FVC	SNCA	cg08767460	rs2120374	A	G	0.373	0.024	0.393	5.45E-56	0.003	0.002	0.184	0.063	248.387	TRUE	1.98E-53
FVC	SNCA	cg08767460	rs2583990	A	G	-0.368	0.028	0.221	7.64E-40	-0.004	0.003	0.175	0.045	174.421	TRUE	3.78E-38
FVC	SNCA	cg08767460	rs3055038	C	T	0.798	0.088	0.020	8.21E-20	0.008	0.009	0.359	0.022	82.955	TRUE	3.77E-19
FVC	SNCA	cg08767460	rs35175911	C	T	0.169	0.030	0.186	1.91E-08	0.001	0.003	0.777	0.008	31.570	TRUE	2.75E-08
FVC	SNCA	cg08767460	rs356199	G	A	1.040	0.019	0.291	<1E-200	0.009	0.003	0.001	0.440	2902.091	TRUE	<1E-200
FVC	SNCA	cg08767460	rs3775434	G	A	-0.339	0.036	0.125	3.18E-21	-0.001	0.004	0.754	0.024	89.378	TRUE	9.40E-21

FVC	SNCA	cg08767460	rs4694012	A	G	-0.191	0.029	0.200	6.22E-11	0.001	0.003	0.751	0.011	42.727	TRUE	1.02E-10
FVC	SNCA	cg08767460	rs56068881	T	C	0.852	0.119	0.011	6.59E-13	-0.006	0.012	0.590	0.014	51.635	TRUE	1.40E-12
FVC	SNCA	cg08767460	rs62306323	T	C	-0.386	0.050	0.109	1.07E-14	0.002	0.004	0.652	0.016	59.722	TRUE	2.40E-14
FVC	SNCA	cg08767460	rs6840386	T	C	-0.425	0.071	0.026	2.32E-09	0.008	0.007	0.279	0.010	35.662	TRUE	5.53E-09
FVC	SNCA	cg08767460	rs72659431	A	G	0.880	0.069	0.033	8.37E-37	-0.002	0.007	0.787	0.042	160.512	TRUE	7.98E-36
FVC	SNCA	cg08767460	rs72659464	G	T	0.759	0.082	0.040	2.87E-20	0.004	0.007	0.537	0.022	85.030	TRUE	1.04E-19
FVC	SNCA	cg08767460	rs74360999	C	A	-0.211	0.025	0.328	1.28E-17	-0.001	0.002	0.820	0.019	72.986	TRUE	2.88E-17
FVC	SNCA	cg08767460	rs75878722	G	A	-0.256	0.045	0.075	1.64E-08	0.002	0.005	0.682	0.009	31.867	TRUE	2.53E-08
FVC	SNCA	cg08767460	rs76735357	A	G	-0.322	0.052	0.113	5.03E-10	-0.001	0.004	0.820	0.010	38.644	TRUE	7.48E-10
FVC	SNCA	cg08767460	rs78387881	A	G	0.487	0.083	0.022	3.94E-09	0.017	0.008	0.025	0.009	34.634	TRUE	1.76E-08
FVC	SNCA	cg08767460	rs79517939	A	G	0.713	0.063	0.083	4.31E-30	0.012	0.005	0.010	0.034	129.828	TRUE	2.82E-28
FVC	SNCA	cg11512365	rs6841352	T	G	0.133	0.023	0.461	1.11E-08	-0.004	0.002	0.099	0.009	32.623	TRUE	3.37E-08
FVC	SNCA	cg11661187	rs2737026	A	G	-0.215	0.028	0.226	5.25E-15	-0.004	0.003	0.171	0.016	61.131	TRUE	2.34E-14
FVC	SNCA	cg14346243	rs1372519	A	G	0.707	0.028	0.209	1.60E-144	-0.004	0.003	0.195	0.150	654.912	TRUE	3.60E-134
FVC	SNCA	cg14346243	rs149899944	T	G	0.431	0.068	0.031	2.36E-10	-0.003	0.008	0.670	0.011	40.121	TRUE	4.04E-10
FVC	SNCA	cg14346243	rs17016330	T	C	0.540	0.070	0.029	1.72E-14	-0.002	0.007	0.750	0.016	58.803	TRUE	3.41E-14
FVC	SNCA	cg14346243	rs2119787	G	A	-0.261	0.024	0.397	4.60E-28	-0.003	0.002	0.175	0.032	120.565	TRUE	6.73E-27
FVC	SNCA	cg14346243	rs34266626	C	G	0.200	0.024	0.385	9.18E-17	0.003	0.002	0.284	0.018	69.100	TRUE	3.82E-16
FVC	SNCA	cg14346243	rs34305125	A	G	0.687	0.079	0.025	5.62E-18	-0.001	0.008	0.870	0.020	74.609	TRUE	1.20E-17
FVC	SNCA	cg14346243	rs58105555	G	A	-0.142	0.025	0.305	2.17E-08	-0.002	0.003	0.459	0.008	31.320	TRUE	3.97E-08
FVC	SNCA	cg15133208	rs10018362	C	T	-0.224	0.037	0.114	2.08E-09	-0.001	0.004	0.786	0.010	35.874	TRUE	3.10E-09
FVC	SNCA	cg15133208	rs11097238	T	C	-0.403	0.024	0.393	8.66E-66	-0.003	0.002	0.164	0.073	293.324	TRUE	1.39E-62
FVC	SNCA	cg15133208	rs1372519	A	G	0.941	0.025	0.209	<1E-200	-0.004	0.003	0.195	0.278	1426.103	TRUE	2.37E-274
FVC	SNCA	cg15133208	rs1381352	T	G	-0.185	0.024	0.432	8.69E-15	-0.004	0.002	0.090	0.016	60.139	TRUE	4.77E-14
FVC	SNCA	cg15133208	rs142993106	A	G	0.741	0.098	0.012	4.46E-14	0.014	0.010	0.167	0.015	56.922	TRUE	1.88E-13
FVC	SNCA	cg15133208	rs147876949	C	T	0.722	0.106	0.012	1.00E-11	-0.005	0.010	0.580	0.012	46.304	TRUE	2.00E-11
FVC	SNCA	cg15133208	rs149899944	T	G	0.664	0.068	0.031	1.07E-22	-0.003	0.008	0.670	0.025	96.097	TRUE	3.87E-22
FVC	SNCA	cg15133208	rs17016330	T	C	0.676	0.070	0.029	7.24E-22	-0.002	0.007	0.750	0.024	92.306	TRUE	2.26E-21
FVC	SNCA	cg15133208	rs28870145	G	A	0.352	0.058	0.041	1.19E-09	0.007	0.006	0.240	0.010	36.971	TRUE	3.05E-09
FVC	SNCA	cg15133208	rs34305125	A	G	0.790	0.079	0.025	2.65E-23	-0.001	0.008	0.870	0.026	98.849	TRUE	7.83E-23
FVC	SNCA	cg15133208	rs62312689	A	G	-0.250	0.045	0.072	3.40E-08	0.006	0.005	0.247	0.008	30.451	TRUE	7.73E-08
FVC	SNCA	cg15133208	rs74786971	C	G	-0.295	0.046	0.077	1.45E-10	-0.003	0.005	0.546	0.011	41.072	TRUE	2.80E-10
FVC	SNCA	cg15133208	rs7688033	T	G	0.219	0.038	0.108	6.95E-09	0.009	0.004	0.020	0.009	33.532	TRUE	3.16E-08
FVC	SNCA	cg18258770	rs2619371	G	A	0.141	0.026	0.282	4.41E-08	0.009	0.003	0.001	0.008	29.942	TRUE	2.96E-07
FVC	SNCA	cg20003494	rs11097238	T	C	-0.362	0.024	0.393	3.88E-53	-0.003	0.002	0.164	0.060	235.313	TRUE	1.02E-50
FVC	SNCA	cg20003494	rs17016330	T	C	0.563	0.070	0.029	1.31E-15	-0.002	0.007	0.750	0.017	63.869	TRUE	2.77E-15
FVC	SNCA	cg20003494	rs1841625	G	A	-0.173	0.024	0.433	3.46E-13	-0.004	0.002	0.095	0.014	52.900	TRUE	1.64E-12
FVC	SNCA	cg20003494	rs34027685	G	A	0.237	0.038	0.108	3.43E-10	0.009	0.004	0.020	0.011	39.389	TRUE	1.85E-09
FVC	SNCA	cg20003494	rs34305125	A	G	0.677	0.079	0.025	1.64E-17	-0.001	0.008	0.870	0.019	72.496	TRUE	3.41E-17
FVC	SNCA	cg20003494	rs3775434	G	A	-0.307	0.036	0.125	1.11E-17	-0.001	0.004	0.754	0.019	73.274	TRUE	2.62E-17
FVC	SNCA	cg20003494	rs6856813	C	T	0.311	0.024	0.363	3.93E-38	0.003	0.002	0.284	0.043	166.590	TRUE	1.15E-36
FVC	SNCA	cg20003494	rs74786971	C	G	-0.270	0.046	0.077	4.07E-09	-0.003	0.005	0.546	0.009	34.571	TRUE	7.23E-09

FVC	SNCA	cg20003494	rs983361	T	G	0.628	0.028	0.212	1.68E-113	-0.004	0.003	0.174	0.122	512.379	TRUE	2.31E-106
FVC	SNCA	cg26578617	rs1372520	T	C	0.528	0.028	0.209	1.19E-77	-0.004	0.003	0.191	0.086	347.761	TRUE	1.09E-73
FVC	SNCA	cg26578617	rs139301125	T	C	0.448	0.074	0.026	1.38E-09	-0.003	0.007	0.697	0.010	36.680	TRUE	2.21E-09
FVC	SNCA	cg26578617	rs2119787	G	A	-0.234	0.024	0.397	8.92E-23	-0.003	0.002	0.175	0.025	96.449	TRUE	7.92E-22
FVC	SNCA	cg26578617	rs59345481	G	T	-0.291	0.042	0.095	5.04E-12	-0.001	0.004	0.781	0.013	47.647	TRUE	8.57E-12
FVC	SNCA	cg26578617	rs6856813	C	T	0.196	0.024	0.363	6.69E-16	0.003	0.002	0.284	0.017	65.186	TRUE	2.60E-15
FVC	SNCA	cg26578617	rs71609574	A	G	0.543	0.084	0.021	1.00E-10	0.001	0.009	0.950	0.011	41.793	TRUE	1.39E-10
FVC	SNORD71	cg03540912	rs11646719	C	G	0.206	0.025	0.338	2.01E-16	0.008	0.003	0.001	0.018	67.552	TRUE	4.45E-15
FVC	SNORD71	cg03540912	rs12930674	T	C	-0.139	0.025	0.305	4.43E-08	-0.007	0.003	0.009	0.008	29.937	TRUE	2.15E-07
FVC	SNORD71	cg03540912	rs1559418	C	T	-0.368	0.061	0.038	1.24E-09	-0.010	0.006	0.108	0.010	36.881	TRUE	4.13E-09
FVC	SNORD71	cg03540912	rs217180	T	C	0.243	0.039	0.096	7.34E-10	0.012	0.004	0.002	0.010	37.906	TRUE	6.13E-09
FVC	SNORD71	cg03540912	rs56387295	A	C	-0.275	0.033	0.150	1.79E-16	-0.006	0.003	0.071	0.018	67.786	TRUE	1.32E-15
FVC	SNORD71	cg03540912	rs77529319	T	C	-0.206	0.029	0.209	8.03E-13	-0.006	0.003	0.040	0.014	51.248	TRUE	4.71E-12
FVC	SNORD71	cg03540912	rs77823468	T	C	-0.560	0.025	0.299	8.04E-114	-0.013	0.003	1.07E-06	0.122	513.843	TRUE	1.61E-103
FVC	SNORD71	cg05708656	rs8052489	T	C	-0.141	0.024	0.358	4.45E-09	0.007	0.003	0.003	0.009	34.397	TRUE	2.82E-08
FVC	SNX32	cg06678084	rs10896049	A	G	0.258	0.032	0.150	1.41E-15	-0.001	0.003	0.772	0.017	63.717	TRUE	2.88E-15
FVC	SNX32	cg13467162	rs61895685	G	A	0.388	0.032	0.156	9.67E-35	-0.001	0.003	0.768	0.039	151.079	TRUE	7.82E-34
FVC	SNX32	cg15531562	rs10791819	G	A	0.333	0.026	0.247	2.04E-36	0.007	0.003	0.011	0.041	158.744	TRUE	2.72E-34
FVC	SNX32	cg15531562	rs10896072	G	C	-0.458	0.042	0.083	1.11E-27	0.005	0.004	0.266	0.031	118.820	TRUE	1.21E-26
FVC	SNX32	cg15531562	rs111442339	C	T	-0.210	0.027	0.254	2.72E-15	0.012	0.003	1.92E-05	0.017	62.428	TRUE	1.08E-13
FVC	SNX32	cg15531562	rs11227408	G	A	-0.602	0.069	0.057	3.43E-18	0.011	0.005	0.027	0.020	75.586	TRUE	3.99E-17
FVC	SNX32	cg15531562	rs11551353	A	T	0.470	0.048	0.061	1.60E-22	-0.001	0.005	0.927	0.025	95.292	TRUE	4.25E-22
FVC	SNX32	cg15531562	rs11605273	T	C	-0.482	0.070	0.059	4.32E-12	0.000	0.005	0.953	0.013	47.950	TRUE	6.36E-12
FVC	SNX32	cg15531562	rs117107530	T	C	-0.465	0.068	0.031	1.10E-11	0.002	0.007	0.743	0.012	46.122	TRUE	1.90E-11
FVC	SNX32	cg15531562	rs1201433	A	C	0.231	0.024	0.405	1.75E-22	-0.007	0.003	0.005	0.025	95.117	TRUE	5.38E-21
FVC	SNX32	cg15531562	rs12418103	A	G	0.564	0.034	0.128	9.96E-62	-0.001	0.004	0.897	0.069	274.701	TRUE	1.27E-59
FVC	SNX32	cg15531562	rs12802560	T	C	-0.390	0.028	0.217	6.46E-45	0.002	0.003	0.439	0.051	197.646	TRUE	2.72E-43
FVC	SNX32	cg15531562	rs138189877	C	G	-0.547	0.100	0.017	4.23E-08	0.031	0.010	0.002	0.008	30.025	TRUE	2.71E-07
FVC	SNX32	cg15531562	rs138924467	T	C	0.314	0.047	0.071	2.21E-11	0.002	0.005	0.663	0.012	44.749	TRUE	4.06E-11
FVC	SNX32	cg15531562	rs141399103	C	T	-0.526	0.084	0.020	4.58E-10	-0.002	0.009	0.859	0.010	38.828	TRUE	6.65E-10
FVC	SNX32	cg15531562	rs143659154	T	C	-0.402	0.071	0.028	1.65E-08	-0.006	0.007	0.364	0.009	31.853	TRUE	3.35E-08
FVC	SNX32	cg15531562	rs146747472	G	C	0.603	0.077	0.022	7.04E-15	0.006	0.009	0.458	0.016	60.555	TRUE	1.96E-14
FVC	SNX32	cg15531562	rs148097428	A	G	0.337	0.056	0.047	1.37E-09	-0.007	0.006	0.211	0.010	36.693	TRUE	3.65E-09
FVC	SNX32	cg15531562	rs17494956	A	G	-0.534	0.045	0.074	7.08E-33	0.008	0.004	0.063	0.037	142.554	TRUE	2.83E-31
FVC	SNX32	cg15531562	rs2282529	A	G	-0.133	0.024	0.434	4.19E-08	0.006	0.002	0.016	0.008	30.045	TRUE	1.78E-07
FVC	SNX32	cg15531562	rs35696016	C	G	0.434	0.034	0.147	2.32E-38	-0.005	0.003	0.126	0.043	167.637	TRUE	1.16E-36
FVC	SNX32	cg15531562	rs41302425	C	G	0.404	0.057	0.045	1.61E-12	-0.007	0.006	0.279	0.013	49.888	TRUE	4.83E-12
FVC	SNX32	cg15531562	rs473661	C	T	0.584	0.064	0.037	3.92E-20	-0.006	0.007	0.334	0.022	84.412	TRUE	1.93E-19
FVC	SNX32	cg15531562	rs484983	G	A	0.182	0.024	0.416	1.89E-14	-0.010	0.002	3.67E-05	0.016	58.608	TRUE	5.82E-13
FVC	SNX32	cg15531562	rs575631	G	A	-0.962	0.017	0.483	<1E-200	0.005	0.002	0.054	0.464	3208.475	TRUE	<1E-200
FVC	SNX32	cg15531562	rs633727	G	A	-0.191	0.023	0.487	2.38E-16	0.005	0.002	0.049	0.018	67.222	TRUE	1.83E-15
FVC	SNX32	cg15531562	rs665902	G	T	-0.296	0.052	0.049	1.32E-08	0.009	0.005	0.074	0.009	32.285	TRUE	4.32E-08

FVC	SNX32	cg15531562	rs683191	T	G	0.443	0.042	0.083	1.85E-26	0.000	0.004	0.921	0.030	113.241	TRUE	6.37E-26
FVC	SNX32	cg15531562	rs71457704	A	G	-0.422	0.053	0.054	1.00E-15	-0.008	0.006	0.156	0.017	64.392	TRUE	4.95E-15
FVC	SNX32	cg15531562	rs72941018	A	G	-0.410	0.044	0.073	1.70E-20	-0.003	0.005	0.545	0.023	86.066	TRUE	6.22E-20
FVC	SNX32	cg15531562	rs74956044	T	C	0.541	0.061	0.032	4.86E-19	0.001	0.005	0.820	0.021	79.442	TRUE	1.16E-18
FVC	SNX32	cg15531562	rs75933844	A	G	0.469	0.041	0.086	1.24E-30	-0.002	0.004	0.623	0.035	132.301	TRUE	8.90E-30
FVC	SNX32	cg15531562	rs76584642	G	T	-0.607	0.044	0.079	3.17E-44	-0.009	0.004	0.027	0.050	194.481	TRUE	7.78E-42
FVC	SNX32	cg15531562	rs76874675	C	G	0.601	0.072	0.028	6.68E-17	-0.013	0.007	0.075	0.019	69.728	TRUE	4.91E-16
FVC	SNX32	cg15531562	rs7950327	G	A	0.444	0.054	0.050	2.31E-16	-0.009	0.006	0.136	0.018	67.281	TRUE	1.28E-15
FVC	SNX32	cg15531562	rs79783977	G	A	0.581	0.093	0.017	4.00E-10	-0.017	0.008	0.047	0.010	39.093	TRUE	1.73E-09
FVC	SNX32	cg15531562	rs801741	C	T	-0.417	0.023	0.486	8.45E-73	0.002	0.002	0.397	0.081	325.491	TRUE	1.64E-69
FVC	SOD2	cg13221458	rs11757681	T	G	-0.426	0.025	0.436	1.11E-63	-0.003	0.002	0.292	0.071	283.652	TRUE	7.65E-61
FVC	SOD2	cg13221458	rs12190141	G	A	-0.557	0.093	0.025	2.08E-09	0.009	0.008	0.221	0.010	35.877	TRUE	5.40E-09
FVC	SOD2	cg13221458	rs13191761	G	A	0.304	0.037	0.134	8.88E-17	0.006	0.003	0.081	0.018	69.167	TRUE	6.32E-16
FVC	SOD2	cg13221458	rs3777414	G	A	-0.161	0.027	0.338	1.41E-09	0.001	0.003	0.708	0.010	36.629	TRUE	2.24E-09
FVC	SOD2	cg13221458	rs5746109	C	T	1.111	0.068	0.064	3.13E-59	-0.005	0.005	0.362	0.066	263.245	TRUE	9.29E-57
FVC	SOD2	cg13221458	rs62437275	A	G	-0.558	0.055	0.056	2.79E-24	-0.003	0.005	0.581	0.027	103.305	TRUE	1.30E-23
FVC	SOD2	cg13221458	rs642588	A	G	0.245	0.030	0.228	2.40E-16	-0.001	0.003	0.669	0.018	67.208	TRUE	5.86E-16
FVC	SOD2	cg13221458	rs6925266	T	C	-0.218	0.034	0.172	1.13E-10	0.004	0.003	0.257	0.011	41.565	TRUE	3.10E-10
FVC	SOD2	cg13221458	rs73017433	C	A	0.734	0.116	0.013	2.17E-10	-0.002	0.011	0.878	0.011	40.285	TRUE	3.15E-10
FVC	SOD2	cg13221458	rs75374960	C	T	-0.711	0.072	0.037	3.05E-23	0.001	0.006	0.898	0.026	98.570	TRUE	8.75E-23
FVC	SOD2	cg13221458	rs77632648	G	C	-0.770	0.103	0.033	6.93E-14	-0.015	0.006	0.017	0.015	56.057	TRUE	5.94E-13
FVC	SOD2	cg13221458	rs9365100	A	G	-0.660	0.094	0.019	1.94E-12	-0.022	0.010	0.021	0.013	49.514	TRUE	1.32E-11
FVC	SOD2	cg13221458	rs9457699	G	T	-0.921	0.023	0.303	<1E-200	-0.006	0.003	0.017	0.301	1594.076	TRUE	2.62E-301
FVC	SPTLC1	cg01248375	rs10992258	G	C	0.174	0.026	0.269	2.93E-11	0.008	0.003	0.004	0.012	44.199	TRUE	2.44E-10
FVC	SPTLC1	cg01248375	rs28727560	C	A	0.486	0.032	0.147	5.74E-53	0.009	0.003	0.008	0.060	234.534	TRUE	8.56E-50
FVC	SPTLC1	cg01248375	rs7048508	A	C	0.375	0.062	0.037	1.93E-09	0.005	0.006	0.436	0.010	36.020	TRUE	3.88E-09
FVC	SPTLC1	cg01248375	rs77335334	G	A	0.450	0.064	0.034	2.94E-12	0.024	0.006	1.67E-04	0.013	48.705	TRUE	5.06E-11
FVC	SQSTM1	cg01225779	rs12522926	G	A	-0.242	0.024	0.478	2.91E-24	-0.004	0.002	0.138	0.027	103.224	TRUE	3.21E-23
FVC	SQSTM1	cg01225779	rs172056	G	A	0.169	0.026	0.305	4.70E-11	-0.005	0.003	0.064	0.012	43.275	TRUE	2.09E-10
FVC	SQSTM1	cg06589507	rs4504352	A	G	0.193	0.034	0.140	1.76E-08	-0.010	0.003	0.003	0.009	31.731	TRUE	1.09E-07
FVC	SQSTM1	cg06861426	rs35647750	A	G	-0.335	0.044	0.075	3.02E-14	-0.011	0.004	0.012	0.015	57.692	TRUE	2.91E-13
FVC	SQSTM1	cg12619504	rs10516140	A	C	0.418	0.032	0.161	1.53E-39	-0.007	0.003	0.029	0.045	173.036	TRUE	2.12E-37
FVC	SQSTM1	cg12619504	rs12234037	G	A	0.276	0.035	0.121	3.86E-15	-0.008	0.004	0.032	0.016	61.737	TRUE	3.16E-14
FVC	SQSTM1	cg12619504	rs13163209	A	G	0.172	0.030	0.175	1.27E-08	0.003	0.003	0.415	0.009	32.355	TRUE	2.46E-08
FVC	SQSTM1	cg12619504	rs155787	G	A	-0.165	0.024	0.469	2.14E-12	0.006	0.002	0.009	0.013	49.322	TRUE	1.83E-11
FVC	SQSTM1	cg12619504	rs155788	C	T	0.362	0.040	0.092	3.23E-19	-0.004	0.004	0.294	0.021	80.247	TRUE	1.58E-18
FVC	SQSTM1	cg12619504	rs17616317	A	G	0.358	0.044	0.077	2.84E-16	0.001	0.005	0.829	0.018	66.878	TRUE	5.79E-16
FVC	SQSTM1	cg12619504	rs59906025	G	A	0.133	0.024	0.417	3.05E-08	0.002	0.002	0.393	0.008	30.661	TRUE	5.84E-08
FVC	SQSTM1	cg12619504	rs6860158	T	C	0.174	0.026	0.274	2.10E-11	-0.003	0.003	0.195	0.012	44.855	TRUE	6.50E-11
FVC	SQSTM1	cg12619504	rs73351608	T	A	1.440	0.069	0.026	4.30E-97	0.003	0.008	0.741	0.106	437.013	TRUE	2.26E-92
FVC	SQSTM1	cg15960580	rs269445	G	A	-0.141	0.023	0.458	1.39E-09	0.005	0.002	0.037	0.010	36.656	TRUE	6.01E-09
FVC	SQSTM1	cg27664881	rs113779029	A	G	0.454	0.075	0.043	1.35E-09	-0.006	0.006	0.310	0.010	36.719	TRUE	3.15E-09

FVC	SRC	cg01141721	rs6018199	G	T	0.413	0.033	0.138	1.22E-35	0.005	0.003	0.119	0.040	155.196	TRUE	4.72E-34
FVC	SRC	cg03114748	rs11698554	C	T	-0.398	0.043	0.068	9.42E-21	0.007	0.004	0.083	0.023	87.234	TRUE	9.50E-20
FVC	SRC	cg03114748	rs143465524	C	G	-0.570	0.076	0.025	6.80E-14	-0.013	0.008	0.097	0.015	56.094	TRUE	3.44E-13
FVC	SRC	cg03114748	rs6017944	G	A	-0.504	0.026	0.248	6.02E-83	-0.001	0.003	0.827	0.091	372.061	TRUE	2.07E-79
FVC	SRC	cg05498681	rs11908486	T	G	0.173	0.027	0.246	7.28E-11	-0.001	0.003	0.743	0.011	42.419	TRUE	1.21E-10
FVC	SRC	cg08553950	rs56257628	A	C	-0.215	0.036	0.112	1.48E-09	0.008	0.004	0.030	0.010	36.538	TRUE	6.78E-09
FVC	SRC	cg11210813	rs1146262	G	A	0.130	0.023	0.460	3.18E-08	0.005	0.002	0.035	0.008	30.577	TRUE	1.21E-07
FVC	SRC	cg11210813	rs118071937	G	T	-0.531	0.086	0.022	6.92E-10	-0.010	0.008	0.201	0.010	38.023	TRUE	1.92E-09
FVC	SRC	cg11210813	rs13038765	A	G	-0.516	0.042	0.071	1.85E-34	0.007	0.004	0.090	0.039	149.785	TRUE	7.71E-33
FVC	SRC	cg11210813	rs13042917	G	T	-0.210	0.035	0.131	2.22E-09	0.002	0.003	0.641	0.010	35.749	TRUE	3.72E-09
FVC	SRC	cg11210813	rs144511166	A	G	-0.233	0.032	0.157	2.51E-13	0.000	0.003	0.948	0.014	53.529	TRUE	3.92E-13
FVC	SRC	cg11210813	rs148643661	T	C	-0.715	0.130	0.016	3.48E-08	0.004	0.010	0.682	0.008	30.401	TRUE	5.29E-08
FVC	SRC	cg11210813	rs1534972	G	A	0.168	0.025	0.305	2.67E-11	-0.004	0.003	0.088	0.012	44.384	TRUE	1.10E-10
FVC	SRC	cg11210813	rs17785475	T	C	-0.406	0.048	0.055	3.18E-17	0.007	0.005	0.143	0.019	71.189	TRUE	1.87E-16
FVC	SRC	cg11210813	rs6017916	C	A	-0.782	0.024	0.282	7.50E-232	-0.002	0.003	0.484	0.222	1056.381	TRUE	8.20E-210
FVC	SRC	cg11210813	rs6018027	C	T	-0.230	0.028	0.241	7.78E-17	0.004	0.003	0.106	0.018	69.427	TRUE	5.01E-16
FVC	SRC	cg11210813	rs6072798	T	C	0.138	0.025	0.377	2.07E-08	0.003	0.002	0.234	0.008	31.411	TRUE	4.91E-08
FVC	SRC	cg11210813	rs6090575	G	T	-0.248	0.044	0.077	1.28E-08	0.003	0.004	0.487	0.009	32.348	TRUE	2.33E-08
FVC	SRC	cg11210813	rs73097202	A	G	-0.583	0.085	0.020	8.56E-12	-0.015	0.008	0.055	0.012	46.608	TRUE	4.18E-11
FVC	SRC	cg11210813	rs73906204	A	G	0.329	0.045	0.066	4.64E-13	0.008	0.004	0.062	0.014	52.322	TRUE	2.52E-12
FVC	SRC	cg12807924	rs1291103	A	G	0.169	0.026	0.286	1.08E-10	0.005	0.003	0.072	0.011	41.646	TRUE	4.44E-10
FVC	SRC	cg12807924	rs73906218	G	A	0.299	0.039	0.107	9.74E-15	0.001	0.004	0.801	0.016	59.915	TRUE	1.89E-14
FVC	SRC	cg12807924	rs75081152	A	G	0.599	0.106	0.025	1.47E-08	0.017	0.008	0.025	0.009	32.079	TRUE	6.14E-08
FVC	SRC	cg12807924	rs75295421	A	G	0.903	0.035	0.110	2.92E-148	0.008	0.004	0.030	0.154	672.097	TRUE	1.62E-136
FVC	SRC	cg14637027	rs6018284	C	A	-0.309	0.054	0.047	1.15E-08	0.004	0.006	0.446	0.009	32.545	TRUE	2.18E-08
FVC	SRC	cg19757422	rs11698554	C	T	-0.259	0.043	0.068	1.16E-09	0.007	0.004	0.083	0.010	37.021	TRUE	4.09E-09
FVC	SRC	cg19757422	rs6032521	A	G	0.234	0.036	0.492	1.47E-10	0.003	0.003	0.211	0.011	41.046	TRUE	4.21E-10
FVC	SRC	cg19757422	rs7275012	A	G	-0.289	0.026	0.252	6.43E-28	-0.001	0.003	0.638	0.031	119.903	TRUE	3.59E-27
FVC	SRC	cg22437284	rs6017916	C	A	-0.290	0.026	0.282	7.45E-30	-0.002	0.003	0.484	0.034	128.745	TRUE	6.24E-29
FVC	SRC	cg23635789	rs75295421	A	G	0.323	0.036	0.110	3.47E-19	0.008	0.004	0.030	0.021	80.106	TRUE	4.47E-18
FVC	SRC	cg24055525	rs8116527	A	G	0.170	0.026	0.281	5.50E-11	-0.001	0.003	0.818	0.011	42.966	TRUE	8.63E-11
FVC	SRC	cg24384816	rs13038765	A	G	-0.487	0.042	0.071	7.28E-31	0.007	0.004	0.090	0.035	133.359	TRUE	2.04E-29
FVC	SRC	cg24384816	rs13042917	G	T	-0.210	0.035	0.131	2.05E-09	0.002	0.003	0.641	0.010	35.902	TRUE	3.44E-09
FVC	SRC	cg24384816	rs17785475	T	C	-0.375	0.048	0.055	7.23E-15	0.007	0.005	0.143	0.016	60.501	TRUE	3.46E-14
FVC	SRC	cg24384816	rs6017916	C	A	-0.742	0.024	0.282	1.11E-205	-0.002	0.003	0.484	0.202	936.048	TRUE	8.73E-188
FVC	SRC	cg24384816	rs6018027	C	T	-0.259	0.028	0.241	4.65E-21	0.004	0.003	0.106	0.023	88.627	TRUE	4.44E-20
FVC	SRC	cg24384816	rs6072798	T	C	0.148	0.025	0.377	1.95E-09	0.003	0.002	0.234	0.010	36.001	TRUE	5.02E-09
FVC	SRC	cg24384816	rs6090575	G	T	-0.248	0.044	0.077	1.25E-08	0.003	0.004	0.487	0.009	32.385	TRUE	2.28E-08
FVC	SRC	cg24384816	rs6102336	C	A	-0.155	0.024	0.420	1.22E-10	0.001	0.002	0.690	0.011	41.414	TRUE	2.05E-10
FVC	SRC	cg24384816	rs73097202	A	G	-0.606	0.085	0.020	1.25E-12	-0.015	0.008	0.055	0.013	50.373	TRUE	6.65E-12
FVC	SRC	cg24384816	rs73906204	A	G	0.301	0.046	0.066	3.79E-11	0.008	0.004	0.062	0.012	43.695	TRUE	1.70E-10
FVC	SRC	cg24956391	rs11905180	C	T	-0.237	0.033	0.136	7.41E-13	0.006	0.003	0.054	0.014	51.406	TRUE	4.09E-12

FVC	SST	cg00457403	rs67515317	T	C	-0.321	0.057	0.083	2.39E-08	0.009	0.004	0.041	0.008	31.136	TRUE	8.91E-08
FVC	SST	cg00481951	rs10513818	G	A	-0.913	0.057	0.084	1.41E-58	0.009	0.004	0.045	0.066	260.253	TRUE	2.08E-55
FVC	SST	cg00481951	rs4686896	T	C	-0.283	0.029	0.216	6.94E-23	0.004	0.003	0.199	0.026	96.945	TRUE	5.73E-22
FVC	SST	cg00481951	rs73057066	A	G	-0.330	0.044	0.076	9.63E-14	0.002	0.004	0.703	0.015	55.411	TRUE	1.95E-13
FVC	SST	cg02164046	rs3864101	T	G	0.172	0.029	0.207	2.20E-09	0.002	0.003	0.577	0.010	35.770	TRUE	3.90E-09
FVC	SST	cg12146673	rs10513818	G	A	-0.383	0.058	0.084	3.18E-11	0.009	0.004	0.045	0.012	44.042	TRUE	1.57E-10
FVC	SST	cg12146673	rs75723218	T	C	-0.294	0.040	0.096	2.80E-13	0.003	0.004	0.479	0.014	53.316	TRUE	6.91E-13
FVC	SST	cg15347189	rs9851921	T	C	-0.243	0.036	0.118	1.64E-11	0.002	0.004	0.610	0.012	45.333	TRUE	3.14E-11
FVC	SST	cg25478614	rs10513818	G	A	-0.656	0.055	0.084	1.50E-32	0.009	0.004	0.045	0.037	141.064	TRUE	7.10E-31
FVC	SST	cg25478614	rs4988513	C	T	0.201	0.036	0.110	3.40E-08	0.000	0.004	0.954	0.008	30.447	TRUE	4.28E-08
FVC	SST	cg25478614	rs55749067	G	A	-0.311	0.044	0.075	1.42E-12	0.004	0.005	0.426	0.013	50.132	TRUE	3.54E-12
FVC	STAT1	cg00493400	rs115651412	C	A	0.420	0.054	0.043	6.34E-15	-0.007	0.006	0.223	0.016	60.762	TRUE	2.51E-14
FVC	STAT1	cg11255154	rs10168266	T	C	0.213	0.030	0.182	8.67E-13	0.005	0.003	0.094	0.014	51.096	TRUE	3.96E-12
FVC	STAT1	cg11255154	rs10176649	T	G	0.156	0.028	0.242	1.70E-08	-0.004	0.003	0.196	0.009	31.797	TRUE	4.33E-08
FVC	STAT1	cg11255154	rs10804035	C	T	-0.192	0.023	0.447	1.49E-16	0.009	0.002	8.28E-05	0.018	68.146	TRUE	5.44E-15
FVC	STAT1	cg11255154	rs13032230	T	C	0.170	0.026	0.271	1.33E-10	0.005	0.003	0.057	0.011	41.242	TRUE	5.82E-10
FVC	STAT1	cg11255154	rs138650679	T	C	-0.660	0.052	0.046	6.15E-37	-0.004	0.005	0.407	0.042	161.126	TRUE	1.17E-35
FVC	STAT1	cg11255154	rs2008950	G	T	0.188	0.023	0.451	7.73E-16	-0.002	0.002	0.475	0.017	64.902	TRUE	2.24E-15
FVC	STAT1	cg11255154	rs2356350	G	A	0.216	0.024	0.404	5.66E-20	0.002	0.002	0.465	0.022	83.690	TRUE	2.27E-19
FVC	STAT1	cg11255154	rs62184386	T	C	-0.129	0.023	0.459	2.92E-08	0.007	0.002	0.005	0.008	30.744	TRUE	1.61E-07
FVC	STAT1	cg11255154	rs6751855	G	A	0.286	0.024	0.451	1.28E-33	0.000	0.002	0.903	0.038	145.956	TRUE	7.83E-33
FVC	STAT1	cg11255154	rs7574070	A	C	0.151	0.025	0.357	7.13E-10	-0.002	0.003	0.447	0.010	37.964	TRUE	1.46E-09
FVC	STAT1	cg18766080	rs2014259	T	G	0.133	0.024	0.379	2.00E-08	0.009	0.002	1.56E-04	0.008	31.477	TRUE	1.90E-07
FVC	STAT1	cg19881581	rs13029247	C	T	0.144	0.025	0.303	6.07E-09	-0.004	0.003	0.093	0.009	33.794	TRUE	1.99E-08
FVC	STAT3	cg05487134	rs4796793	G	C	0.292	0.027	0.252	2.78E-27	0.004	0.003	0.126	0.031	116.999	TRUE	4.36E-26
FVC	STAT3	cg05487134	rs56387576	T	G	0.280	0.036	0.122	6.07E-15	0.005	0.004	0.146	0.016	60.845	TRUE	2.87E-14
FVC	STAT3	cg06270615	rs12941945	G	A	-0.203	0.032	0.175	1.26E-10	-0.003	0.003	0.371	0.011	41.350	TRUE	2.89E-10
FVC	STAT3	cg06270615	rs146534676	G	A	-0.658	0.091	0.017	4.89E-13	-0.001	0.009	0.908	0.014	52.219	TRUE	7.81E-13
FVC	STAT3	cg06270615	rs1557744	A	G	0.187	0.030	0.201	2.60E-10	0.003	0.003	0.263	0.011	39.930	TRUE	6.71E-10
FVC	STAT3	cg06270615	rs190124010	A	G	-0.723	0.071	0.027	1.96E-24	-0.001	0.008	0.872	0.027	104.006	TRUE	6.24E-24
FVC	STAT3	cg06270615	rs2667940	C	T	-0.211	0.031	0.180	7.04E-12	-0.001	0.003	0.800	0.013	46.991	TRUE	1.17E-11
FVC	STAT3	cg06270615	rs61653336	A	G	-0.239	0.031	0.179	3.03E-14	-0.013	0.003	1.94E-05	0.015	57.684	TRUE	1.01E-12
FVC	STAT3	cg06270615	rs62075812	T	C	0.257	0.029	0.206	1.08E-18	0.007	0.003	0.023	0.021	77.860	TRUE	1.46E-17
FVC	STAT3	cg06270615	rs6503691	T	C	-0.381	0.038	0.098	1.20E-23	-0.003	0.004	0.451	0.026	100.416	TRUE	6.43E-23
FVC	STAT3	cg06270615	rs71373478	A	G	0.189	0.034	0.138	2.43E-08	0.009	0.003	0.005	0.008	31.096	TRUE	1.32E-07
FVC	STAT3	cg06270615	rs7218488	A	G	-0.475	0.032	0.151	1.02E-48	0.002	0.003	0.527	0.055	215.051	TRUE	5.44E-47
FVC	STAT3	cg06270615	rs72823022	C	T	0.407	0.041	0.088	3.84E-23	0.000	0.004	0.924	0.026	98.116	TRUE	1.06E-22
FVC	STAT3	cg06270615	rs74374636	T	C	-0.701	0.083	0.019	4.11E-17	0.007	0.008	0.361	0.019	70.687	TRUE	1.53E-16
FVC	STAT3	cg06270615	rs74875524	T	C	-0.612	0.080	0.021	1.43E-14	0.002	0.008	0.860	0.016	59.160	TRUE	2.58E-14
FVC	STAT3	cg06270615	rs75771390	G	A	-0.220	0.040	0.092	4.91E-08	0.003	0.004	0.493	0.008	29.736	TRUE	8.53E-08
FVC	STAT3	cg06270615	rs8069645	G	A	-0.924	0.022	0.268	<1E-200	0.004	0.003	0.161	0.318	1724.264	TRUE	<1E-200
FVC	STAT3	cg07780782	rs111884103	G	C	-0.700	0.083	0.021	2.74E-17	0.005	0.008	0.588	0.019	71.485	TRUE	7.71E-17

FVC	STAT3	cg07780782	rs190124010	A	G	-0.709	0.071	0.027	1.78E-23	-0.001	0.008	0.872	0.026	99.634	TRUE	5.32E-23
FVC	STAT3	cg07780782	rs2128786	C	T	-0.221	0.026	0.301	1.42E-17	-0.004	0.003	0.142	0.019	72.785	TRUE	8.66E-17
FVC	STAT3	cg07780782	rs2667940	C	T	-0.227	0.031	0.180	1.50E-13	-0.001	0.003	0.800	0.015	54.536	TRUE	2.73E-13
FVC	STAT3	cg07780782	rs28573325	A	G	-0.434	0.064	0.035	1.38E-11	-0.003	0.006	0.681	0.012	45.671	TRUE	2.50E-11
FVC	STAT3	cg07780782	rs3198502	T	G	-0.742	0.029	0.174	3.36E-141	0.003	0.003	0.392	0.147	639.643	TRUE	1.20E-131
FVC	STAT3	cg07780782	rs72820888	C	G	-0.684	0.125	0.020	4.51E-08	-0.005	0.008	0.538	0.008	29.902	TRUE	7.58E-08
FVC	STAT3	cg08652441	rs555947728	A	T	0.316	0.041	0.094	1.74E-14	0.005	0.004	0.222	0.016	58.775	TRUE	6.71E-14
FVC	STAT3	cg08652441	rs6503694	C	T	0.134	0.024	0.451	1.33E-08	-0.003	0.002	0.167	0.009	32.264	TRUE	3.52E-08
FVC	STAT3	cg17833746	rs11079043	T	C	0.232	0.026	0.270	1.13E-18	0.004	0.003	0.168	0.021	77.774	TRUE	7.03E-18
FVC	STAT3	cg24312520	rs3785898	A	C	0.200	0.026	0.268	3.06E-14	0.004	0.003	0.185	0.015	57.664	TRUE	1.27E-13
FVC	STAT3	cg24718015	rs9912773	G	C	0.234	0.027	0.250	6.08E-18	0.004	0.003	0.121	0.020	74.454	TRUE	3.96E-17
FVC	STAT3	cg25857307	rs1963987	T	C	-0.252	0.045	0.072	1.76E-08	-0.020	0.004	9.47E-06	0.009	31.729	TRUE	2.29E-07
FVC	STAT4	cg01004382	rs3024847	T	A	0.155	0.024	0.391	5.81E-11	0.006	0.002	0.022	0.011	42.859	TRUE	3.39E-10
FVC	STAT4	cg18155840	rs13023853	A	C	-0.314	0.044	0.079	8.96E-13	0.002	0.005	0.687	0.014	51.032	TRUE	1.71E-12
FVC	STBD1	cg06978288	rs10029710	T	C	0.200	0.031	0.179	7.46E-11	-0.002	0.003	0.485	0.011	42.371	TRUE	1.56E-10
FVC	STBD1	cg06978288	rs112525409	T	C	0.433	0.070	0.029	5.48E-10	-0.004	0.007	0.607	0.010	38.477	TRUE	9.72E-10
FVC	STBD1	cg06978288	rs12501628	C	T	0.257	0.025	0.314	4.37E-24	0.001	0.003	0.686	0.027	102.420	TRUE	1.72E-23
FVC	STBD1	cg06978288	rs12548	C	A	-0.289	0.053	0.101	4.97E-08	-0.005	0.004	0.164	0.008	29.713	TRUE	1.26E-07
FVC	STBD1	cg06978288	rs1441914	T	C	-0.423	0.024	0.417	2.32E-71	-0.007	0.002	0.004	0.079	318.885	TRUE	1.08E-66
FVC	STBD1	cg06978288	rs344136	C	A	-0.146	0.026	0.316	1.31E-08	-0.009	0.003	3.39E-04	0.009	32.301	TRUE	1.14E-07
FVC	STBD1	cg06978288	rs4859684	C	T	0.216	0.025	0.342	2.40E-18	0.008	0.003	9.85E-04	0.020	76.289	TRUE	6.63E-17
FVC	STBD1	cg06978288	rs56717028	G	A	0.393	0.061	0.037	1.18E-10	0.003	0.006	0.610	0.011	41.475	TRUE	2.18E-10
FVC	STBD1	cg06978288	rs72657823	A	G	0.359	0.051	0.051	2.19E-12	0.004	0.005	0.383	0.013	49.279	TRUE	5.62E-12
FVC	STBD1	cg17010112	rs56049812	C	A	-0.439	0.024	0.450	6.13E-78	-0.007	0.002	0.003	0.086	349.074	TRUE	1.03E-72
FVC	STBD1	cg17010112	rs6532385	G	A	0.403	0.038	0.105	1.22E-26	0.001	0.004	0.753	0.030	114.077	TRUE	5.29E-26
FVC	STBD1	cg18651932	rs111332382	C	T	0.468	0.073	0.026	1.57E-10	0.002	0.007	0.761	0.011	40.916	TRUE	2.51E-10
FVC	STBD1	cg18651932	rs2119731	G	A	0.169	0.024	0.381	4.25E-12	0.001	0.002	0.754	0.013	47.981	TRUE	7.52E-12
FVC	STBD1	cg18651932	rs4859688	C	T	0.161	0.026	0.256	8.37E-10	0.008	0.003	0.004	0.010	37.652	TRUE	5.87E-09
FVC	STBD1	cg18651932	rs61402764	T	C	-0.460	0.023	0.452	1.49E-85	-0.007	0.002	0.002	0.094	384.030	TRUE	1.27E-79
FVC	STBD1	cg18651932	rs6818773	C	A	0.572	0.037	0.105	1.58E-52	0.001	0.004	0.767	0.059	232.524	TRUE	8.00E-51
FVC	STBD1	cg19406117	rs4272041	G	A	-0.134	0.024	0.452	2.33E-08	-0.007	0.002	0.002	0.008	31.184	TRUE	1.42E-07
FVC	STK24	cg01185345	rs12869774	A	G	0.409	0.052	0.056	2.06E-15	0.005	0.005	0.371	0.017	62.974	TRUE	6.72E-15
FVC	STK24	cg01185345	rs139956665	G	C	0.460	0.079	0.024	6.48E-09	-0.003	0.008	0.681	0.009	33.667	TRUE	1.02E-08
FVC	STK24	cg01185345	rs4417417	A	G	-0.156	0.028	0.214	3.60E-08	-0.001	0.003	0.838	0.008	30.338	TRUE	4.93E-08
FVC	STK24	cg01185345	rs7334034	T	C	0.153	0.024	0.427	2.56E-10	-0.003	0.003	0.250	0.011	39.966	TRUE	6.84E-10
FVC	STK24	cg01185345	rs9517341	T	C	0.474	0.030	0.184	6.88E-57	0.001	0.003	0.803	0.064	252.510	TRUE	5.72E-55
FVC	STK24	cg01536299	rs56294784	C	T	-0.139	0.023	0.440	2.23E-09	-0.008	0.002	0.001	0.010	35.745	TRUE	1.76E-08
FVC	STK24	cg01715699	rs3742133	A	G	-0.447	0.054	0.051	1.25E-16	-0.008	0.006	0.175	0.018	68.492	TRUE	6.41E-16
FVC	STK24	cg01715699	rs3825434	A	C	-0.314	0.052	0.055	1.17E-09	0.002	0.005	0.684	0.010	37.005	TRUE	1.91E-09
FVC	STK24	cg01715699	rs41279124	A	G	-0.347	0.040	0.093	3.36E-18	0.001	0.004	0.847	0.020	75.626	TRUE	7.51E-18
FVC	STK24	cg01715699	rs4389009	A	G	-0.854	0.019	0.486	<1E-200	0.005	0.002	0.059	0.346	1958.914	TRUE	<1E-200
FVC	STK24	cg01715699	rs7139717	C	T	0.367	0.023	0.464	8.53E-56	-0.001	0.002	0.670	0.063	247.498	TRUE	7.74E-54

FVC	STK24	cg01715699	rs9517295	T	C	-0.171	0.027	0.248	3.85E-10	0.005	0.003	0.086	0.010	39.166	TRUE	1.42E-09
FVC	STK24	cg01715699	rs9517326	T	G	-0.456	0.080	0.040	1.21E-08	-0.009	0.006	0.122	0.009	32.459	TRUE	3.51E-08
FVC	STK24	cg01715699	rs9556966	C	A	-0.300	0.023	0.426	1.79E-37	-0.001	0.002	0.579	0.042	163.580	TRUE	2.54E-36
FVC	STK24	cg01715699	rs9556984	T	C	0.174	0.024	0.435	4.33E-13	-0.003	0.003	0.189	0.014	52.461	TRUE	1.59E-12
FVC	STK24	cg02088785	rs9517344	A	G	0.553	0.030	0.184	6.89E-78	0.001	0.003	0.782	0.086	348.842	TRUE	1.13E-74
FVC	STK24	cg02088785	rs9517384	T	G	0.144	0.024	0.426	2.58E-09	-0.003	0.003	0.250	0.009	35.457	TRUE	6.40E-09
FVC	STK24	cg03461548	rs35368417	C	T	0.129	0.023	0.461	2.46E-08	0.007	0.002	0.007	0.008	31.074	TRUE	1.28E-07
FVC	STK24	cg03701759	rs7317938	T	C	0.314	0.024	0.359	1.15E-38	-0.006	0.003	0.009	0.044	169.041	TRUE	2.15E-36
FVC	STK24	cg03701759	rs9805187	A	C	-0.219	0.034	0.140	9.01E-11	0.005	0.003	0.143	0.011	42.003	TRUE	2.97E-10
FVC	STK24	cg07340007	rs12463	A	G	0.211	0.025	0.303	4.18E-17	0.009	0.003	5.47E-04	0.019	70.651	TRUE	1.13E-15
FVC	STK24	cg07340007	rs2296149	A	G	-0.409	0.037	0.102	3.81E-28	-0.008	0.004	0.042	0.032	120.938	TRUE	1.10E-26
FVC	STK24	cg07340007	rs66917362	A	T	-0.263	0.045	0.076	4.77E-09	0.002	0.004	0.723	0.009	34.265	TRUE	7.37E-09
FVC	STK24	cg07340007	rs79025709	C	T	-0.492	0.085	0.017	6.85E-09	0.001	0.008	0.894	0.009	33.558	TRUE	9.27E-09
FVC	STK24	cg08402963	rs117193346	T	C	-0.375	0.051	0.057	1.31E-13	-0.010	0.005	0.065	0.015	54.800	TRUE	7.26E-13
FVC	STK24	cg08402963	rs4772092	A	G	0.284	0.024	0.377	3.39E-33	0.004	0.002	0.151	0.037	144.017	TRUE	9.13E-32
FVC	STK24	cg09110502	rs9584868	G	C	0.188	0.030	0.175	5.66E-10	-0.002	0.003	0.506	0.010	38.416	TRUE	1.08E-09
FVC	STK24	cg09504131	rs111689491	A	G	-0.655	0.113	0.027	7.59E-09	-0.002	0.007	0.798	0.009	33.359	TRUE	1.09E-08
FVC	STK24	cg09504131	rs11617083	A	G	-0.345	0.032	0.152	1.32E-27	0.004	0.003	0.238	0.031	118.470	TRUE	1.53E-26
FVC	STK24	cg09504131	rs3752968	C	T	-0.267	0.030	0.181	1.15E-18	-0.006	0.003	0.038	0.021	77.743	TRUE	1.30E-17
FVC	STK24	cg09504131	rs9556963	A	G	0.661	0.024	0.326	5.39E-169	-0.006	0.003	0.018	0.172	767.394	TRUE	2.08E-154
FVC	STK24	cg14825593	rs9584868	G	C	0.440	0.030	0.175	5.66E-49	-0.002	0.003	0.506	0.055	216.231	TRUE	3.13E-47
FVC	STK24	cg16711597	rs2184904	G	C	0.238	0.028	0.221	4.58E-17	-0.002	0.003	0.475	0.019	70.470	TRUE	1.45E-16
FVC	STK24	cg17176619	rs138713238	C	T	0.524	0.096	0.016	4.79E-08	0.010	0.009	0.267	0.008	29.785	TRUE	1.05E-07
FVC	STK24	cg17176619	rs2184904	G	C	0.311	0.028	0.221	5.49E-28	-0.002	0.003	0.475	0.031	120.218	TRUE	4.01E-27
FVC	STK24	cg17176619	rs61971228	T	C	-0.154	0.027	0.237	1.95E-08	0.008	0.003	0.006	0.008	31.527	TRUE	1.05E-07
FVC	STK24	cg20359042	rs4772092	A	G	0.215	0.023	0.377	4.73E-20	0.004	0.002	0.151	0.022	84.044	TRUE	3.54E-19
FVC	STK24	cg20359042	rs77592056	C	G	-0.186	0.032	0.158	4.19E-09	-0.005	0.003	0.162	0.009	34.515	TRUE	1.17E-08
FVC	STK24	cg20375836	rs61969450	G	C	0.514	0.025	0.292	1.05E-94	0.008	0.003	0.002	0.103	426.052	TRUE	7.38E-88
FVC	STK24	cg20375836	rs72652234	C	A	0.357	0.060	0.041	2.69E-09	0.012	0.006	0.058	0.009	35.376	TRUE	1.01E-08
FVC	STK24	cg20375836	rs9517328	T	A	-0.317	0.029	0.201	1.07E-27	0.001	0.003	0.796	0.031	118.894	TRUE	4.79E-27
FVC	STK24	cg20375836	rs9517356	G	C	-0.186	0.030	0.178	7.93E-10	0.000	0.003	0.957	0.010	37.757	TRUE	1.07E-09
FVC	STK24	cg20459687	rs9517335	A	G	-0.290	0.025	0.294	4.32E-30	0.002	0.003	0.486	0.034	129.824	TRUE	3.70E-29
FVC	STK24	cg20459687	rs9556960	T	C	0.229	0.041	0.083	2.28E-08	-0.007	0.004	0.068	0.008	31.220	TRUE	7.42E-08
FVC	STK24	cg21173806	rs9584853	T	C	-0.676	0.047	0.060	6.12E-46	0.003	0.005	0.526	0.052	202.332	TRUE	2.38E-44
FVC	STK24	cg22619767	rs4772081	T	C	-0.271	0.031	0.160	2.18E-18	-0.009	0.003	0.006	0.020	76.476	TRUE	3.97E-17
FVC	STK24	cg23954655	rs7339107	A	G	0.163	0.030	0.186	4.81E-08	0.001	0.003	0.703	0.008	29.774	TRUE	7.23E-08
FVC	STK24	cg24044564	rs2296149	A	G	-0.572	0.037	0.102	1.81E-54	-0.008	0.004	0.042	0.061	241.413	TRUE	1.46E-51
FVC	STK24	cg24202468	rs4772098	A	C	-0.203	0.023	0.486	3.30E-18	0.005	0.002	0.052	0.020	75.658	TRUE	3.06E-17
FVC	STK24	cg24247370	rs12261	T	C	0.161	0.024	0.418	9.02E-12	0.006	0.002	0.016	0.012	46.505	TRUE	6.08E-11
FVC	STK24	cg24247370	rs12869774	A	G	0.304	0.052	0.056	3.82E-09	0.005	0.005	0.371	0.009	34.696	TRUE	8.07E-09
FVC	STK24	cg24701178	rs4491365	G	A	-0.266	0.027	0.240	9.06E-23	0.008	0.003	0.004	0.025	96.418	TRUE	3.26E-21
FVC	STK24	cg24981097	rs2184904	G	C	0.175	0.028	0.221	8.30E-10	-0.002	0.003	0.475	0.010	37.667	TRUE	1.64E-09

FVC	STK24	cg27483072	rs9556966	C	A	0.172	0.024	0.426	3.03E-13	-0.001	0.002	0.579	0.014	53.159	TRUE	6.60E-13
FVC	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	-0.019	0.002	1.37E-14	0.030	114.298	TRUE	7.22E-23
FVC	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	-0.022	0.005	1.47E-05	0.009	33.267	TRUE	1.03E-07
FVC	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	0.007	0.003	0.010	0.013	49.346	TRUE	1.73E-11
FVC	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	-0.019	0.002	1.15E-14	0.055	215.024	TRUE	8.26E-43
FVC	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	0.010	0.002	6.03E-05	0.016	61.158	TRUE	1.59E-13
FVC	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	-0.019	0.002	1.42E-14	0.017	63.196	TRUE	8.80E-13
FVC	STXBP2	cg04770751	rs1862515	G	A	0.279	0.024	0.355	1.40E-30	-0.005	0.002	0.026	0.034	132.055	TRUE	6.78E-29
FVC	STXBP2	cg04770751	rs8104867	A	G	0.139	0.025	0.339	1.75E-08	-0.001	0.002	0.683	0.009	31.741	TRUE	2.71E-08
FVC	STXBP2	cg14732907	rs794074	G	A	0.176	0.024	0.398	1.70E-13	0.004	0.002	0.144	0.014	54.291	TRUE	7.18E-13
FVC	STXBP2	cg15576517	rs12972299	A	C	0.175	0.029	0.213	1.38E-09	-0.004	0.003	0.176	0.010	36.684	TRUE	3.90E-09
FVC	STXBP2	cg15576517	rs2161491	G	A	-0.317	0.031	0.213	6.90E-24	0.005	0.003	0.139	0.027	101.516	TRUE	7.64E-23
FVC	STXBP2	cg15576517	rs2431866	A	C	-0.340	0.053	0.102	1.47E-10	-0.004	0.004	0.336	0.011	41.045	TRUE	3.53E-10
FVC	STXBP2	cg15576517	rs2446182	C	G	-0.228	0.029	0.208	1.63E-15	-0.001	0.003	0.709	0.017	63.438	TRUE	3.59E-15
FVC	STXBP2	cg15576517	rs4380150	T	A	-0.240	0.035	0.154	5.12E-12	0.001	0.003	0.759	0.013	47.615	TRUE	8.90E-12
FVC	STXBP2	cg15576517	rs752972	A	G	0.225	0.033	0.158	7.78E-12	-0.005	0.003	0.148	0.012	46.796	TRUE	2.86E-11
FVC	STXBP2	cg15576517	rs794077	A	C	0.892	0.021	0.372	<1E-200	0.002	0.002	0.318	0.332	1837.486	TRUE	<1E-200
FVC	STXBP2	cg24433207	rs4804753	G	C	0.219	0.033	0.136	2.66E-11	-0.004	0.003	0.234	0.012	44.386	TRUE	7.80E-11
FVC	STXBP2	cg24433207	rs794070	G	A	-0.200	0.027	0.237	1.96E-13	0.002	0.003	0.441	0.014	54.016	TRUE	5.00E-13
FVC	STXBP2	cg24479032	rs56272042	C	T	0.155	0.024	0.355	1.09E-10	-0.006	0.002	0.024	0.011	41.624	TRUE	6.02E-10
FVC	STXBP2	cg24759919	rs10416592	T	C	0.408	0.027	0.246	9.20E-53	-0.005	0.003	0.066	0.059	233.594	TRUE	4.54E-50
FVC	STXBP2	cg24759919	rs146661810	A	G	0.559	0.080	0.021	3.13E-12	0.012	0.008	0.154	0.013	48.581	TRUE	1.16E-11
FVC	STXBP2	cg24759919	rs151212242	C	T	0.179	0.030	0.188	3.01E-09	-0.004	0.003	0.197	0.009	35.157	TRUE	7.93E-09
FVC	STXBP2	cg24759919	rs3745367	A	G	-0.320	0.043	0.244	1.60E-13	0.004	0.003	0.201	0.014	54.413	TRUE	5.99E-13
FVC	STXBP2	cg24759919	rs4134813	C	A	0.833	0.021	0.352	<1E-200	-0.006	0.002	0.012	0.298	1569.345	TRUE	7.58E-297
FVC	STXBP2	cg24759919	rs500914	T	C	0.210	0.024	0.449	1.64E-18	-0.003	0.002	0.220	0.020	77.044	TRUE	8.67E-18
FVC	STXBP2	cg24759919	rs62113379	C	T	0.269	0.030	0.189	1.48E-19	-0.004	0.003	0.140	0.022	81.788	TRUE	1.07E-18
FVC	STXBP2	cg24759919	rs7260296	T	C	-0.293	0.032	0.480	8.57E-20	0.003	0.002	0.228	0.022	82.869	TRUE	4.87E-19
FVC	STXBP2	cg24759919	rs752972	A	G	-0.189	0.033	0.158	1.00E-08	-0.005	0.003	0.148	0.009	32.818	TRUE	2.81E-08
FVC	STXBP2	cg27508769	rs35020672	C	T	0.136	0.024	0.355	1.57E-08	-0.006	0.002	0.022	0.009	31.949	TRUE	6.73E-08
FVC	STXBP2	cg27546241	rs10416592	T	C	0.294	0.027	0.246	9.86E-28	-0.005	0.003	0.066	0.031	119.055	TRUE	2.28E-26
FVC	STXBP2	cg27546241	rs12459044	G	C	-0.352	0.050	0.137	1.34E-12	0.007	0.004	0.037	0.013	50.244	TRUE	8.11E-12
FVC	STXBP2	cg27546241	rs3745364	T	C	0.586	0.023	0.355	2.67E-137	-0.005	0.002	0.026	0.144	621.725	TRUE	8.40E-127
FVC	STXBP2	cg27546241	rs4804216	T	C	0.175	0.030	0.182	7.60E-09	-0.004	0.003	0.247	0.009	33.358	TRUE	1.82E-08
FVC	STXBP2	cg27546241	rs500914	T	C	0.141	0.024	0.449	5.07E-09	-0.003	0.002	0.220	0.009	34.144	TRUE	1.26E-08
FVC	STXBP2	cg27546241	rs7260296	T	C	-0.189	0.032	0.480	4.95E-09	0.003	0.002	0.228	0.009	34.190	TRUE	1.20E-08
FVC	SYNPO2	cg03554174	rs17329882	C	A	0.257	0.028	0.231	4.45E-20	-0.004	0.003	0.194	0.022	84.166	TRUE	2.87E-19
FVC	SYNPO2	cg08384155	rs7671665	G	A	0.222	0.026	0.291	8.81E-18	-0.003	0.003	0.297	0.020	73.723	TRUE	3.83E-17
FVC	SYNPO2	cg08774280	rs4834723	A	G	-0.142	0.025	0.333	6.56E-09	-0.005	0.003	0.056	0.009	33.644	TRUE	2.40E-08
FVC	SYNPO2	cg10320997	rs57021447	A	G	-0.154	0.028	0.228	2.51E-08	-0.006	0.003	0.024	0.008	31.038	TRUE	1.05E-07
FVC	SYNPO2	cg12973294	rs113187009	T	C	0.366	0.066	0.037	2.95E-08	-0.001	0.006	0.896	0.008	30.724	TRUE	3.88E-08
FVC	SYNPO2	cg12973294	rs12502164	A	G	-0.149	0.024	0.395	6.87E-10	0.005	0.002	0.038	0.010	38.036	TRUE	3.06E-09

FVC	SYNPO2	cg12973294	rs12507203	C	T	0.236	0.024	0.372	4.36E-23	-0.007	0.002	0.006	0.026	97.865	TRUE	1.49E-21
FVC	SYNPO2	cg12973294	rs35442382	A	G	0.206	0.028	0.237	8.87E-14	-0.004	0.003	0.208	0.015	55.573	TRUE	3.39E-13
FVC	SYNPO2	cg12973294	rs62327805	A	C	-0.335	0.041	0.106	1.64E-16	-0.006	0.004	0.099	0.018	67.961	TRUE	1.03E-15
FVC	SYNPO2	cg12973294	rs6826016	T	G	0.258	0.024	0.404	4.92E-27	0.000	0.002	0.925	0.030	115.868	TRUE	1.74E-26
FVC	SYNPO2	cg12973294	rs71608346	A	G	0.413	0.045	0.075	1.91E-20	-0.002	0.004	0.735	0.023	85.838	TRUE	5.53E-20
FVC	SYNPO2	cg12973294	rs7689541	A	G	0.153	0.024	0.381	3.06E-10	0.001	0.002	0.700	0.011	39.617	TRUE	5.05E-10
FVC	SYNPO2	cg12973294	rs78448537	A	G	1.232	0.055	0.045	1.89E-109	-0.015	0.006	0.011	0.118	493.764	TRUE	1.07E-101
FVC	SYNPO2	cg14717666	rs113187009	T	C	0.542	0.066	0.037	1.93E-16	-0.001	0.006	0.896	0.018	67.631	TRUE	3.72E-16
FVC	SYNPO2	cg14717666	rs11726993	G	C	0.225	0.034	0.136	3.07E-11	-0.003	0.004	0.465	0.012	44.106	TRUE	6.77E-11
FVC	SYNPO2	cg14717666	rs12506322	A	G	0.422	0.033	0.145	3.53E-38	-0.004	0.003	0.303	0.043	166.802	TRUE	9.73E-37
FVC	SYNPO2	cg14717666	rs17636128	G	T	-0.170	0.027	0.254	1.94E-10	0.005	0.003	0.070	0.011	40.505	TRUE	7.97E-10
FVC	SYNPO2	cg14717666	rs1993609	A	T	0.191	0.025	0.314	3.43E-14	-0.002	0.003	0.492	0.015	57.439	TRUE	8.83E-14
FVC	SYNPO2	cg14717666	rs2175971	G	C	0.183	0.024	0.348	7.12E-14	-0.004	0.003	0.075	0.015	56.003	TRUE	3.84E-13
FVC	SYNPO2	cg14717666	rs28706123	G	A	-0.221	0.024	0.493	6.61E-21	-0.004	0.002	0.104	0.023	87.935	TRUE	5.97E-20
FVC	SYNPO2	cg14717666	rs34114839	T	C	-0.226	0.025	0.346	5.54E-20	0.000	0.003	0.888	0.022	83.730	TRUE	1.33E-19
FVC	SYNPO2	cg14717666	rs35553303	T	A	0.512	0.043	0.079	1.17E-32	0.001	0.004	0.910	0.037	141.549	TRUE	6.61E-32
FVC	SYNPO2	cg14717666	rs58527730	T	G	1.637	0.054	0.045	1.17E-204	-0.014	0.006	0.012	0.201	931.341	TRUE	1.02E-184
FVC	SYNPO2	cg14717666	rs62321220	G	C	-0.176	0.029	0.211	1.11E-09	0.000	0.003	0.939	0.010	37.099	TRUE	1.49E-09
FVC	SYNPO2	cg14717666	rs62327793	T	C	-0.684	0.053	0.052	7.55E-38	-0.002	0.005	0.690	0.043	165.291	TRUE	9.30E-37
FVC	SYNPO2	cg14717666	rs6854328	T	C	-0.168	0.027	0.260	4.46E-10	-0.002	0.003	0.443	0.010	38.879	TRUE	9.12E-10
FVC	SYNPO2	cg14717666	rs72682809	T	C	0.405	0.058	0.041	2.86E-12	-0.001	0.006	0.852	0.013	48.757	TRUE	4.63E-12
FVC	SYNPO2	cg14717666	rs74538554	G	C	0.196	0.025	0.352	1.99E-15	-0.003	0.003	0.296	0.017	63.039	TRUE	7.23E-15
FVC	SYNPO2	cg14717666	rs7656160	C	A	0.201	0.033	0.149	1.40E-09	-0.009	0.003	0.010	0.010	36.648	TRUE	7.99E-09
FVC	SYNPO2	cg17200999	rs1846	A	G	-0.134	0.024	0.414	2.88E-08	0.004	0.002	0.133	0.008	30.771	TRUE	7.88E-08
FVC	TBC1D14	cg00086871	rs1048009	A	G	1.054	0.042	0.077	3.55E-141	-0.005	0.004	0.234	0.147	639.534	TRUE	2.63E-131
FVC	TBC1D14	cg00086871	rs10937763	C	G	0.189	0.024	0.382	1.63E-15	0.004	0.002	0.130	0.017	63.436	TRUE	8.43E-15
FVC	TBC1D14	cg00086871	rs147761500	C	T	1.051	0.093	0.015	2.35E-29	0.007	0.009	0.401	0.033	126.463	TRUE	2.19E-28
FVC	TBC1D14	cg00086871	rs60841350	G	T	0.232	0.032	0.156	5.21E-13	-0.006	0.003	0.045	0.014	52.095	TRUE	3.05E-12
FVC	TBC1D14	cg00813886	rs10937762	G	A	-0.133	0.023	0.464	1.11E-08	-0.004	0.002	0.121	0.009	32.627	TRUE	3.22E-08
FVC	TBC1D14	cg02905178	rs11732898	T	C	-0.267	0.030	0.182	1.50E-19	-0.001	0.003	0.631	0.022	81.760	TRUE	4.58E-19
FVC	TBC1D14	cg02905178	rs192056752	A	C	0.636	0.096	0.016	3.08E-11	-0.007	0.010	0.438	0.012	44.103	TRUE	6.90E-11
FVC	TBC1D14	cg02905178	rs3857183	A	G	0.212	0.039	0.221	4.42E-08	0.002	0.003	0.410	0.008	29.938	TRUE	8.36E-08
FVC	TBC1D14	cg02905178	rs6446567	C	T	0.206	0.036	0.127	6.92E-09	-0.006	0.004	0.101	0.009	33.539	TRUE	2.19E-08
FVC	TBC1D14	cg02905178	rs6825281	A	G	0.712	0.025	0.271	7.43E-181	0.006	0.003	0.023	0.182	821.914	TRUE	9.88E-165
FVC	TBC1D14	cg02905178	rs77171081	A	G	0.580	0.080	0.042	4.68E-13	0.002	0.006	0.697	0.014	52.308	TRUE	9.01E-13
FVC	TBC1D14	cg03689181	rs17798884	C	T	-0.656	0.084	0.039	7.40E-15	0.001	0.006	0.827	0.016	60.456	TRUE	1.40E-14
FVC	TBC1D14	cg03689181	rs4082843	A	G	-0.293	0.031	0.172	8.87E-21	-0.005	0.003	0.162	0.023	87.351	TRUE	6.77E-20
FVC	TBC1D14	cg03689181	rs4323102	T	C	0.217	0.024	0.411	6.45E-20	0.005	0.002	0.025	0.022	83.431	TRUE	9.09E-19
FVC	TBC1D14	cg03689181	rs56140231	C	G	-0.225	0.041	0.083	5.00E-08	0.004	0.004	0.423	0.008	29.701	TRUE	9.35E-08
FVC	TBC1D14	cg03689181	rs56268690	T	C	-1.374	0.046	0.059	5.02E-198	-0.007	0.005	0.195	0.196	900.851	TRUE	1.52E-180
FVC	TBC1D14	cg03689181	rs75523225	A	C	-0.446	0.080	0.048	2.19E-08	0.000	0.006	0.978	0.008	31.300	TRUE	2.74E-08
FVC	TBC1D14	cg04254028	rs11731681	A	G	0.137	0.023	0.450	5.19E-09	0.004	0.002	0.123	0.009	34.097	TRUE	1.58E-08

FVC	TBC1D14	cg04567323	rs4261987	T	C	0.165	0.026	0.297	1.50E-10	0.004	0.003	0.084	0.011	41.009	TRUE	5.89E-10
FVC	TBC1D14	cg04567323	rs6818744	T	C	0.237	0.033	0.142	8.62E-13	0.000	0.003	0.963	0.014	51.109	TRUE	1.31E-12
FVC	TBC1D14	cg04947850	rs192114648	A	T	-1.143	0.078	0.019	1.27E-48	0.008	0.009	0.366	0.055	214.620	TRUE	9.76E-47
FVC	TBC1D14	cg04947850	rs56099074	G	A	-0.169	0.030	0.166	1.70E-08	-0.002	0.003	0.512	0.009	31.796	TRUE	3.02E-08
FVC	TBC1D14	cg05498905	rs4689057	C	T	-0.159	0.026	0.294	6.93E-10	0.005	0.003	0.043	0.010	38.021	TRUE	3.01E-09
FVC	TBC1D14	cg06109284	rs146660921	G	A	0.322	0.048	0.058	2.89E-11	-0.006	0.005	0.244	0.012	44.227	TRUE	8.30E-11
FVC	TBC1D14	cg08464702	rs1048009	A	G	0.422	0.043	0.077	5.53E-23	-0.005	0.004	0.234	0.026	97.397	TRUE	4.18E-22
FVC	TBC1D14	cg09907542	rs4689591	T	G	0.272	0.030	0.175	1.58E-19	-0.003	0.003	0.401	0.022	81.667	TRUE	6.58E-19
FVC	TBC1D14	cg09907542	rs6839624	C	T	0.547	0.032	0.153	1.21E-66	0.001	0.003	0.858	0.074	297.249	TRUE	3.26E-64
FVC	TBC1D14	cg09907542	rs73796438	C	T	0.336	0.040	0.096	2.47E-17	0.005	0.004	0.242	0.019	71.686	TRUE	1.14E-16
FVC	TBC1D14	cg09907542	rs7693619	T	G	-0.139	0.024	0.472	5.25E-09	-0.001	0.002	0.834	0.009	34.076	TRUE	7.42E-09
FVC	TBC1D14	cg09907542	rs79343136	T	C	0.187	0.025	0.308	2.26E-13	0.005	0.003	0.064	0.014	53.737	TRUE	1.23E-12
FVC	TBC1D14	cg10586619	rs10000433	A	G	0.377	0.048	0.060	7.19E-15	-0.006	0.005	0.244	0.016	60.514	TRUE	2.77E-14
FVC	TBC1D14	cg10586619	rs10937769	G	T	-0.174	0.024	0.395	4.39E-13	0.005	0.002	0.039	0.014	52.433	TRUE	2.66E-12
FVC	TBC1D14	cg10681992	rs66978412	A	G	-0.219	0.038	0.102	1.09E-08	0.000	0.004	0.924	0.009	32.649	TRUE	1.44E-08
FVC	TBC1D14	cg12864912	rs10027697	A	G	-0.195	0.024	0.452	3.73E-16	0.000	0.002	0.946	0.018	66.336	TRUE	6.79E-16
FVC	TBC1D14	cg12864912	rs12512922	T	C	0.635	0.022	0.489	5.01E-181	0.003	0.002	0.201	0.182	822.700	TRUE	5.59E-166
FVC	TBC1D14	cg12864912	rs4234788	C	T	0.315	0.038	0.102	1.04E-16	-0.002	0.004	0.681	0.018	68.862	TRUE	2.54E-16
FVC	TBC1D14	cg12864912	rs4689557	T	C	-0.269	0.034	0.487	4.24E-15	0.001	0.002	0.797	0.016	61.554	TRUE	8.29E-15
FVC	TBC1D14	cg12864912	rs58186852	C	T	0.188	0.031	0.168	1.41E-09	-0.005	0.003	0.093	0.010	36.642	TRUE	4.79E-09
FVC	TBC1D14	cg12864912	rs73796438	C	T	0.231	0.040	0.096	6.26E-09	0.005	0.004	0.242	0.009	33.734	TRUE	1.50E-08
FVC	TBC1D14	cg12864912	rs74591990	A	G	-0.352	0.060	0.049	5.33E-09	0.000	0.006	0.967	0.009	34.048	TRUE	6.87E-09
FVC	TBC1D14	cg12864912	rs7673889	A	T	0.663	0.065	0.037	1.80E-24	-0.005	0.007	0.462	0.027	104.173	TRUE	1.01E-23
FVC	TBC1D14	cg14107488	rs4689591	T	G	0.184	0.030	0.175	9.64E-10	-0.003	0.003	0.401	0.010	37.375	TRUE	2.04E-09
FVC	TBC1D14	cg14107488	rs6839250	C	T	0.483	0.032	0.156	1.34E-52	0.001	0.003	0.858	0.059	232.846	TRUE	5.97E-51
FVC	TBC1D14	cg14107488	rs74786128	A	C	0.258	0.041	0.089	2.23E-10	0.005	0.004	0.207	0.011	40.235	TRUE	6.42E-10
FVC	TBC1D14	cg14594044	rs10937777	T	C	0.161	0.026	0.288	3.09E-10	0.006	0.003	0.029	0.011	39.597	TRUE	1.53E-09
FVC	TBC1D14	cg14594044	rs6826453	G	A	0.317	0.035	0.286	2.29E-19	-0.002	0.003	0.417	0.021	80.927	TRUE	9.31E-19
FVC	TBC1D14	cg15105060	rs13134529	G	T	0.158	0.025	0.320	2.08E-10	0.003	0.003	0.295	0.011	40.368	TRUE	5.21E-10
FVC	TBC1D14	cg15105060	rs4082843	A	G	-0.312	0.031	0.172	2.21E-23	-0.005	0.003	0.162	0.026	99.213	TRUE	2.13E-22
FVC	TBC1D14	cg15105060	rs4234787	T	G	-0.190	0.024	0.369	2.02E-15	0.004	0.002	0.086	0.017	63.007	TRUE	1.25E-14
FVC	TBC1D14	cg15105060	rs67602077	G	A	-1.124	0.046	0.064	1.58E-133	-0.009	0.005	0.072	0.140	604.384	TRUE	6.84E-124
FVC	TBC1D14	cg15212038	rs1048009	A	G	-0.276	0.043	0.077	2.19E-10	-0.005	0.004	0.234	0.011	40.265	TRUE	5.98E-10
FVC	TBC1D14	cg15889003	rs35680216	T	G	0.219	0.037	0.103	2.76E-09	0.002	0.004	0.635	0.009	35.325	TRUE	4.64E-09
FVC	TBC1D14	cg16574807	rs10937783	T	A	-0.228	0.036	0.256	3.38E-10	0.001	0.003	0.759	0.011	39.420	TRUE	5.35E-10
FVC	TBC1D14	cg16574807	rs115392264	G	A	0.616	0.093	0.017	3.41E-11	-0.002	0.008	0.827	0.012	43.902	TRUE	5.34E-11
FVC	TBC1D14	cg16574807	rs11732898	T	C	0.867	0.028	0.182	5.82E-213	-0.001	0.003	0.631	0.208	969.523	TRUE	3.13E-194
FVC	TBC1D14	cg16574807	rs192114648	A	T	0.742	0.080	0.019	1.64E-20	0.008	0.009	0.366	0.023	86.131	TRUE	7.93E-20
FVC	TBC1D14	cg16574807	rs201183600	T	C	-0.255	0.025	0.308	9.02E-24	0.005	0.003	0.064	0.027	100.983	TRUE	1.36E-22
FVC	TBC1D14	cg16574807	rs4082846	T	G	0.241	0.027	0.235	1.24E-18	-0.001	0.003	0.606	0.021	77.592	TRUE	3.66E-18
FVC	TBC1D14	cg16851482	rs111560662	T	C	-0.294	0.043	0.075	5.06E-12	-0.003	0.004	0.501	0.013	47.640	TRUE	1.12E-11
FVC	TBC1D14	cg16851482	rs3892976	G	A	-0.369	0.023	0.495	5.10E-58	0.004	0.002	0.140	0.065	257.689	TRUE	3.25E-55

FVC	TBC1D14	cg16851482	rs4689557	T	C	0.206	0.034	0.487	2.13E-09	0.001	0.002	0.797	0.010	35.836	TRUE	3.13E-09
FVC	TBC1D14	cg16851482	rs7658251	C	T	-0.180	0.033	0.150	3.28E-08	-0.005	0.003	0.141	0.008	30.517	TRUE	8.73E-08
FVC	TBC1D14	cg17511541	rs4082843	A	G	-0.208	0.031	0.172	3.86E-11	-0.005	0.003	0.162	0.012	43.660	TRUE	1.29E-10
FVC	TBC1D14	cg17511541	rs4689562	A	G	0.163	0.024	0.370	2.05E-11	0.004	0.002	0.117	0.012	44.896	TRUE	7.83E-11
FVC	TBC1D14	cg17511541	rs73088564	C	G	-0.798	0.043	0.075	9.99E-78	-0.005	0.004	0.267	0.086	348.102	TRUE	7.01E-74
FVC	TBC1D14	cg19734190	rs55822670	T	C	0.185	0.031	0.165	1.46E-09	-0.001	0.003	0.708	0.010	36.572	TRUE	2.34E-09
FVC	TBC1D14	cg19906672	rs11546450	A	G	0.353	0.043	0.076	3.89E-16	-0.007	0.004	0.102	0.018	66.254	TRUE	2.35E-15
FVC	TBC1D14	cg19906672	rs149630516	G	C	1.820	0.090	0.017	3.69E-91	-0.002	0.008	0.853	0.100	409.767	TRUE	4.87E-87
FVC	TBC1D14	cg19906672	rs4234788	C	T	0.286	0.038	0.102	5.02E-14	-0.002	0.004	0.681	0.015	56.690	TRUE	1.05E-13
FVC	TBC1D14	cg19906672	rs7657702	T	C	0.320	0.023	0.496	6.67E-44	0.004	0.002	0.093	0.050	193.003	TRUE	8.24E-42
FVC	TBC1D14	cg20723412	rs11732887	C	T	0.153	0.025	0.318	1.73E-09	0.005	0.003	0.067	0.010	36.234	TRUE	6.43E-09
FVC	TBC1D14	cg20723412	rs34221933	A	G	-0.229	0.037	0.106	5.68E-10	0.001	0.004	0.740	0.010	38.406	TRUE	8.99E-10
FVC	TBC1D14	cg23927469	rs56659624	C	G	-0.307	0.039	0.092	5.59E-15	-0.005	0.004	0.193	0.016	61.007	TRUE	2.38E-14
FVC	TBC1D14	cg25974475	rs1048009	A	G	0.340	0.044	0.077	5.43E-15	-0.005	0.004	0.234	0.016	61.064	TRUE	2.12E-14
FVC	TBC1D14	cg26109897	rs10026517	C	T	0.199	0.030	0.178	3.07E-11	-0.006	0.003	0.049	0.012	44.110	TRUE	1.47E-10
FVC	TBC1D14	cg26109897	rs10937783	T	A	-0.221	0.035	0.256	4.62E-10	0.001	0.003	0.759	0.010	38.809	TRUE	7.27E-10
FVC	TBC1D14	cg26109897	rs4234788	C	T	0.298	0.037	0.102	1.45E-15	-0.002	0.004	0.681	0.017	63.670	TRUE	3.31E-15
FVC	TBC1D14	cg26109897	rs76967305	T	C	0.288	0.042	0.074	6.93E-12	-0.003	0.004	0.559	0.013	47.021	TRUE	1.43E-11
FVC	TBC1D14	cg26330987	rs4234793	A	G	0.188	0.031	0.161	1.57E-09	-0.001	0.003	0.848	0.010	36.425	TRUE	2.25E-09
FVC	TBC1D14	cg26562462	rs10937766	G	A	0.230	0.024	0.411	3.32E-22	0.005	0.002	0.027	0.025	93.851	TRUE	5.76E-21
FVC	TBC1D14	cg26562462	rs4428285	G	A	0.176	0.030	0.181	2.85E-09	-0.002	0.003	0.622	0.009	35.265	TRUE	4.82E-09
FVC	TBXAS1	cg00445997	rs1860509	G	T	-0.270	0.030	0.184	1.01E-19	0.011	0.003	1.73E-04	0.022	82.541	TRUE	5.07E-18
FVC	TBXAS1	cg26407309	rs2058265	T	G	-0.274	0.030	0.184	4.20E-20	0.011	0.003	2.94E-04	0.022	84.277	TRUE	1.99E-18
FVC	TCF7L2	cg00159523	rs1547191	C	T	-0.147	0.026	0.263	2.49E-08	-0.004	0.003	0.196	0.008	31.055	TRUE	6.14E-08
FVC	TCF7L2	cg00159523	rs17746147	G	C	0.217	0.039	0.237	3.03E-08	0.000	0.003	0.920	0.008	30.672	TRUE	3.92E-08
FVC	TCF7L2	cg00159523	rs56087297	G	A	0.220	0.027	0.268	2.73E-16	-0.006	0.003	0.015	0.018	66.954	TRUE	3.17E-15
FVC	TCF7L2	cg00159523	rs7094463	A	G	-0.251	0.023	0.461	7.10E-27	-0.005	0.002	0.037	0.030	115.142	TRUE	1.89E-25
FVC	TCF7L2	cg00159523	rs7919409	C	T	0.324	0.051	0.105	1.70E-10	0.000	0.004	0.963	0.011	40.761	TRUE	2.33E-10
FVC	TCF7L2	cg03384318	rs1473184	C	T	0.155	0.026	0.281	1.76E-09	0.006	0.003	0.016	0.010	36.208	TRUE	9.27E-09
FVC	TCF7L2	cg04557665	rs10047299	T	G	0.173	0.026	0.282	1.95E-11	0.001	0.003	0.613	0.012	44.993	TRUE	3.72E-11
FVC	TCF7L2	cg09022607	rs11196168	T	A	0.269	0.027	0.266	4.20E-24	-0.001	0.003	0.859	0.027	102.496	TRUE	1.34E-23
FVC	TCF7L2	cg09022607	rs12762233	T	C	0.404	0.062	0.072	9.37E-11	-0.003	0.005	0.448	0.011	41.927	TRUE	2.02E-10
FVC	TCF7L2	cg09022607	rs7077247	C	T	0.164	0.024	0.469	8.03E-12	-0.005	0.002	0.034	0.012	46.734	TRUE	4.52E-11
FVC	TCF7L2	cg11748187	rs11196191	C	A	0.211	0.024	0.467	1.47E-18	-0.005	0.002	0.021	0.020	77.258	TRUE	1.85E-17
FVC	TCF7L2	cg11748187	rs12762233	T	C	0.472	0.062	0.072	3.64E-14	-0.003	0.005	0.448	0.015	57.321	TRUE	9.79E-14
FVC	TCF7L2	cg11748187	rs1547191	C	T	-0.179	0.026	0.263	1.02E-11	-0.004	0.003	0.196	0.012	46.256	TRUE	3.33E-11
FVC	TCF7L2	cg11748187	rs7094463	A	G	-0.312	0.023	0.461	1.23E-40	-0.005	0.002	0.037	0.046	178.055	TRUE	1.65E-38
FVC	TCF7L2	cg18745752	rs117140565	A	G	-0.543	0.086	0.013	3.46E-10	-0.004	0.008	0.619	0.011	39.375	TRUE	6.13E-10
FVC	TCF7L2	cg26380291	rs57225583	G	A	0.320	0.033	0.152	1.57E-22	0.001	0.003	0.860	0.025	95.328	TRUE	4.51E-22
FVC	TCF7L2	cg26775558	rs12360401	C	G	0.240	0.026	0.297	9.03E-21	0.001	0.003	0.797	0.023	87.316	TRUE	2.51E-20
FVC	TCF7L2	cg26775558	rs17130183	C	T	-0.347	0.045	0.133	1.77E-14	0.002	0.003	0.557	0.016	58.737	TRUE	4.30E-14
FVC	TCF7L2	cg27062243	rs7079673	A	G	-0.339	0.045	0.141	6.04E-14	0.005	0.004	0.186	0.015	56.329	TRUE	2.38E-13

FVC	TCF7L2	cg27162705	rs12762233	T	C	0.506	0.062	0.072	4.66E-16	-0.003	0.005	0.448	0.018	65.902	TRUE	1.42E-15
FVC	TCF7L2	cg27162705	rs1547191	C	T	-0.172	0.026	0.263	7.15E-11	-0.004	0.003	0.196	0.011	42.454	TRUE	2.17E-10
FVC	TCF7L2	cg27162705	rs7077247	C	T	0.216	0.024	0.469	2.29E-19	-0.005	0.002	0.034	0.021	80.931	TRUE	2.85E-18
FVC	TCF7L2	cg27162705	rs7094463	A	G	-0.295	0.023	0.461	1.36E-36	-0.005	0.002	0.037	0.041	159.547	TRUE	1.11E-34
FVC	TCIRG1	cg01845451	rs12417937	C	T	0.334	0.047	0.067	1.48E-12	0.002	0.005	0.698	0.013	50.053	TRUE	2.79E-12
FVC	TCIRG1	cg01845451	rs308306	A	G	0.265	0.027	0.260	4.37E-23	-0.004	0.003	0.130	0.026	97.860	TRUE	4.57E-22
FVC	TCIRG1	cg01845451	rs3133269	C	T	0.957	0.022	0.280	<1E-200	0.001	0.003	0.799	0.339	1896.170	TRUE	<1E-200
FVC	TCIRG1	cg01845451	rs4071997	A	G	-0.278	0.030	0.200	7.80E-21	-0.003	0.003	0.331	0.023	87.605	TRUE	4.05E-20
FVC	TCIRG1	cg01845451	rs546538746	T	G	0.836	0.087	0.019	5.37E-22	0.003	0.008	0.698	0.024	92.896	TRUE	1.80E-21
FVC	TCIRG1	cg01845451	rs6591335	T	C	0.284	0.024	0.403	2.97E-32	-0.004	0.002	0.087	0.036	139.706	TRUE	9.58E-31
FVC	TCIRG1	cg01845451	rs72926467	T	C	0.833	0.065	0.030	5.09E-38	0.001	0.007	0.881	0.043	166.076	TRUE	4.72E-37
FVC	TCIRG1	cg01845451	rs74590624	T	C	0.206	0.034	0.142	9.15E-10	-0.002	0.003	0.508	0.010	37.478	TRUE	1.76E-09
FVC	TCIRG1	cg01845451	rs9667430	T	A	-0.178	0.027	0.273	1.86E-11	0.004	0.003	0.141	0.012	45.084	TRUE	6.69E-11
FVC	TCIRG1	cg02387701	rs11228173	T	C	0.219	0.038	0.105	6.70E-09	0.006	0.004	0.097	0.009	33.602	TRUE	2.10E-08
FVC	TCIRG1	cg02387701	rs3808974	G	A	0.350	0.026	0.255	6.84E-40	0.003	0.003	0.314	0.045	174.641	TRUE	2.18E-38
FVC	TCIRG1	cg06279471	rs11228147	A	C	-0.350	0.039	0.100	2.87E-19	0.010	0.004	0.015	0.021	80.484	TRUE	4.57E-18
FVC	TCIRG1	cg06279471	rs149720654	A	G	-0.325	0.057	0.046	9.74E-09	0.004	0.006	0.515	0.009	32.874	TRUE	1.75E-08
FVC	TCIRG1	cg06279471	rs3808969	G	A	-0.186	0.031	0.183	1.33E-09	-0.003	0.003	0.279	0.010	36.754	TRUE	3.18E-09
FVC	TCIRG1	cg06279471	rs71459684	G	T	0.489	0.056	0.049	2.29E-18	-0.006	0.006	0.320	0.020	76.385	TRUE	1.01E-17
FVC	TCIRG1	cg06279471	rs77155493	A	G	0.254	0.040	0.098	2.79E-10	-0.002	0.004	0.558	0.011	39.798	TRUE	5.29E-10
FVC	TCIRG1	cg06279471	rs884826	G	A	-0.532	0.023	0.476	4.77E-120	0.001	0.002	0.667	0.128	542.450	TRUE	3.57E-113
FVC	TCIRG1	cg06279471	rs999571	A	G	-0.350	0.038	0.103	1.72E-20	-0.004	0.004	0.350	0.023	86.040	TRUE	8.55E-20
FVC	TCIRG1	cg08162803	rs71459684	G	T	0.530	0.056	0.049	2.45E-21	-0.006	0.006	0.320	0.024	89.894	TRUE	1.37E-20
FVC	TCIRG1	cg08162803	rs884826	G	A	-0.291	0.023	0.476	2.00E-35	0.001	0.002	0.667	0.040	154.205	TRUE	2.02E-34
FVC	TCIRG1	cg08801887	rs10896289	A	C	0.198	0.031	0.168	1.11E-10	-0.003	0.003	0.406	0.011	41.589	TRUE	2.51E-10
FVC	TCIRG1	cg08932343	rs2511437	C	A	0.226	0.023	0.408	5.87E-22	-0.002	0.002	0.483	0.024	92.719	TRUE	2.64E-21
FVC	TCIRG1	cg11731626	rs71459684	G	T	0.406	0.056	0.049	3.82E-13	-0.006	0.006	0.320	0.014	52.703	TRUE	1.14E-12
FVC	TCIRG1	cg11731626	rs884826	G	A	-0.144	0.024	0.476	1.00E-09	0.001	0.002	0.667	0.010	37.298	TRUE	1.66E-09
FVC	TCIRG1	cg18456140	rs11228093	T	G	-0.169	0.029	0.196	7.09E-09	-0.002	0.003	0.602	0.009	33.493	TRUE	1.18E-08
FVC	TCIRG1	cg18456140	rs3808973	T	C	-1.257	0.065	0.029	3.06E-84	0.017	0.007	0.009	0.093	378.002	TRUE	9.88E-79
FVC	TCIRG1	cg20865778	rs10750830	C	T	0.143	0.024	0.415	1.89E-09	-0.005	0.002	0.025	0.010	36.060	TRUE	8.84E-09
FVC	TCIRG1	cg20865778	rs11228038	C	T	0.226	0.041	0.193	2.44E-08	0.004	0.003	0.271	0.008	31.091	TRUE	5.41E-08
FVC	TCIRG1	cg20865778	rs11228147	A	C	0.449	0.039	0.100	9.97E-31	0.010	0.004	0.015	0.035	132.734	TRUE	5.98E-29
FVC	TCIRG1	cg20865778	rs11481	T	A	0.232	0.025	0.354	8.99E-21	0.003	0.003	0.181	0.023	87.326	TRUE	6.58E-20
FVC	TCIRG1	cg20865778	rs11600312	A	G	0.223	0.040	0.088	1.74E-08	-0.002	0.004	0.603	0.009	31.750	TRUE	2.84E-08
FVC	TCIRG1	cg20865778	rs4071997	A	G	-0.198	0.030	0.200	2.93E-11	-0.003	0.003	0.331	0.012	44.197	TRUE	7.46E-11
FVC	TCIRG1	cg20865778	rs4147779	G	A	-0.192	0.027	0.260	1.11E-12	-0.001	0.003	0.719	0.013	50.604	TRUE	2.09E-12
FVC	TCIRG1	cg20865778	rs538038638	A	C	0.709	0.090	0.017	3.04E-15	-0.008	0.009	0.381	0.017	62.210	TRUE	9.61E-15
FVC	TCIRG1	cg20865778	rs79557925	A	G	0.863	0.030	0.168	1.21E-187	-0.003	0.003	0.410	0.187	853.121	TRUE	3.02E-172
FVC	TCIRG1	cg21049762	rs3763942	G	A	0.177	0.031	0.169	1.26E-08	-0.003	0.003	0.362	0.009	32.376	TRUE	2.57E-08
FVC	TCIRG1	cg21049762	rs4147780	G	A	0.228	0.023	0.476	6.74E-23	0.001	0.002	0.647	0.026	97.004	TRUE	2.57E-22
FVC	TCIRG1	cg21165137	rs11228173	T	C	0.252	0.038	0.105	2.79E-11	0.006	0.004	0.097	0.012	44.294	TRUE	1.09E-10

FVC	TCIRG1	cg21165137	rs11481	T	A	0.210	0.025	0.354	2.25E-17	0.003	0.003	0.181	0.019	71.877	TRUE	1.22E-16
FVC	TCIRG1	cg21165137	rs12803743	C	T	-0.168	0.030	0.188	3.03E-08	-0.003	0.003	0.341	0.008	30.669	TRUE	6.25E-08
FVC	TCIRG1	cg21165137	rs3808974	G	A	0.468	0.026	0.255	1.67E-70	0.003	0.003	0.314	0.078	314.949	TRUE	3.01E-67
FVC	TCIRG1	cg21165137	rs538038638	A	C	0.537	0.090	0.017	2.08E-09	-0.008	0.009	0.381	0.010	35.874	TRUE	4.42E-09
FVC	TCIRG1	cg23334365	rs11228145	G	T	-0.150	0.023	0.437	1.13E-10	0.001	0.002	0.763	0.011	41.558	TRUE	1.81E-10
FVC	TCIRG1	cg23334365	rs122213	T	C	0.314	0.056	0.049	1.64E-08	-0.005	0.006	0.424	0.009	31.862	TRUE	3.13E-08
FVC	TCIRG1	cg26921533	rs2075609	G	A	0.278	0.026	0.268	1.09E-26	0.003	0.003	0.307	0.030	114.292	TRUE	9.55E-26
FVC	TERT	cg00624418	rs7725218	A	G	-0.142	0.024	0.352	5.16E-09	0.006	0.003	0.026	0.009	34.109	TRUE	2.28E-08
FVC	TERT	cg00728907	rs4449583	T	C	-0.136	0.024	0.340	2.31E-08	0.006	0.003	0.025	0.008	31.197	TRUE	9.66E-08
FVC	TERT	cg04524431	rs7713218	A	G	-0.198	0.023	0.475	9.76E-18	0.003	0.002	0.160	0.019	73.520	TRUE	5.75E-17
FVC	TERT	cg06817802	rs12332579	C	T	0.186	0.031	0.172	2.82E-09	-0.004	0.003	0.217	0.009	35.287	TRUE	7.23E-09
FVC	TERT	cg06817802	rs144704378	T	C	0.485	0.079	0.059	6.30E-10	0.000	0.006	0.983	0.010	38.204	TRUE	8.28E-10
FVC	TERT	cg06817802	rs545891760	C	G	-0.565	0.091	0.014	6.16E-10	0.000	0.009	0.971	0.010	38.248	TRUE	8.18E-10
FVC	TERT	cg07380026	rs2736102	T	C	0.217	0.025	0.343	1.80E-18	-0.003	0.003	0.319	0.020	76.857	TRUE	7.99E-18
FVC	TERT	cg07380026	rs2853672	A	C	0.139	0.024	0.496	6.99E-09	-0.003	0.002	0.215	0.009	33.519	TRUE	1.76E-08
FVC	TERT	cg11666982	rs4975616	G	A	0.132	0.023	0.422	1.85E-08	-0.003	0.002	0.260	0.008	31.627	TRUE	4.21E-08
FVC	TERT	cg13924604	rs4449583	T	C	-0.160	0.024	0.340	5.07E-11	0.006	0.003	0.025	0.012	43.128	TRUE	2.88E-10
FVC	TERT	cg17166338	rs2736102	T	C	0.167	0.025	0.343	1.43E-11	-0.003	0.003	0.319	0.012	45.604	TRUE	3.80E-11
FVC	TERT	cg25518571	rs62332583	T	C	-0.776	0.118	0.013	4.49E-11	-0.013	0.010	0.202	0.012	43.365	TRUE	1.37E-10
FVC	TERT	cg25518571	rs7725218	A	G	-0.259	0.024	0.352	8.91E-27	0.006	0.003	0.026	0.030	114.691	TRUE	2.75E-25
FVC	TERT	cg26006951	rs37002	T	C	0.131	0.023	0.488	1.65E-08	-0.004	0.002	0.091	0.009	31.853	TRUE	5.05E-08
FVC	TERT	cg27298526	rs10866501	A	G	0.145	0.024	0.467	9.19E-10	-0.004	0.002	0.135	0.010	37.469	TRUE	2.81E-09
FVC	TERT	cg27298526	rs11133695	G	C	0.410	0.038	0.101	1.03E-26	-0.009	0.004	0.022	0.030	114.410	TRUE	3.28E-25
FVC	TERT	cg27298526	rs13170453	G	A	-0.196	0.029	0.213	9.62E-12	-0.003	0.003	0.349	0.012	46.380	TRUE	2.47E-11
FVC	TERT	cg27298526	rs13190087	C	A	0.618	0.064	0.041	2.88E-22	-0.011	0.006	0.084	0.025	94.133	TRUE	3.42E-21
FVC	TERT	cg27298526	rs2853676	T	C	-0.170	0.026	0.269	1.04E-10	0.002	0.003	0.566	0.011	41.725	TRUE	2.00E-10
FVC	TERT	cg27298526	rs2853685	G	A	-0.154	0.028	0.280	4.20E-08	0.000	0.003	0.909	0.008	30.040	TRUE	5.43E-08
FVC	TERT	cg27298526	rs7713218	A	G	-0.136	0.024	0.475	8.51E-09	0.003	0.002	0.160	0.009	33.137	TRUE	2.33E-08
FVC	TFDP1	cg00407988	rs4991744	T	C	0.268	0.024	0.349	3.23E-29	0.005	0.003	0.066	0.033	125.835	TRUE	8.28E-28
FVC	TFDP1	cg05516537	rs113922541	C	T	-0.438	0.024	0.349	4.42E-74	0.003	0.003	0.194	0.082	331.370	TRUE	2.25E-70
FVC	TFDP1	cg07276358	rs113640105	C	T	-0.201	0.026	0.278	4.57E-15	0.007	0.003	0.009	0.016	61.405	TRUE	5.18E-14
FVC	TFDP1	cg07804973	rs2260766	G	A	-0.198	0.026	0.277	1.24E-14	0.007	0.003	0.011	0.016	59.447	TRUE	1.29E-13
FVC	TFDP1	cg08183317	rs2260302	A	G	0.216	0.026	0.250	1.90E-16	0.006	0.003	0.020	0.018	67.667	TRUE	2.04E-15
FVC	TFDP1	cg09041183	rs9604156	C	G	-0.193	0.026	0.298	3.97E-14	0.006	0.003	0.020	0.015	57.154	TRUE	3.24E-13
FVC	TFDP1	cg09200304	rs4991744	T	C	0.151	0.024	0.349	6.14E-10	0.005	0.003	0.066	0.010	38.254	TRUE	2.33E-09
FVC	TFDP1	cg10332422	rs11618667	A	G	0.166	0.028	0.212	2.81E-09	0.001	0.003	0.756	0.009	35.292	TRUE	4.27E-09
FVC	TFDP1	cg10332422	rs12856707	A	C	0.434	0.052	0.051	7.76E-17	-0.001	0.005	0.797	0.018	69.432	TRUE	1.68E-16
FVC	TFDP1	cg10332422	rs146910210	T	C	0.480	0.082	0.020	5.41E-09	-0.009	0.008	0.286	0.009	34.018	TRUE	1.25E-08
FVC	TFDP1	cg10332422	rs149131071	A	G	-0.165	0.026	0.278	2.38E-10	-0.003	0.003	0.216	0.011	40.105	TRUE	6.60E-10
FVC	TFDP1	cg10332422	rs2257834	A	C	-0.257	0.024	0.339	5.15E-26	-0.002	0.003	0.364	0.029	111.214	TRUE	3.93E-25
FVC	TFDP1	cg10332422	rs3794447	A	G	0.433	0.044	0.074	4.34E-23	0.006	0.005	0.158	0.026	97.874	TRUE	4.06E-22
FVC	TFDP1	cg10332422	rs4150818	C	G	0.653	0.023	0.383	8.22E-178	0.003	0.002	0.279	0.179	807.922	TRUE	1.86E-163

FVC	TFDP1	cg10332422	rs67574312	A	G	0.317	0.047	0.062	2.28E-11	0.009	0.005	0.066	0.012	44.694	TRUE	1.02E-10
FVC	TFDP1	cg10332422	rs79520718	T	G	0.428	0.066	0.033	1.12E-10	0.000	0.006	0.956	0.011	41.584	TRUE	1.54E-10
FVC	TFDP1	cg11976193	rs12873993	G	A	0.331	0.024	0.347	9.83E-43	0.004	0.003	0.091	0.048	187.653	TRUE	1.03E-40
FVC	TFDP1	cg16637188	rs9577578	C	T	-0.259	0.035	0.123	1.37E-13	0.007	0.003	0.030	0.015	54.721	TRUE	9.60E-13
FVC	TFDP1	cg17707487	rs12876456	A	G	0.222	0.024	0.347	5.81E-20	0.004	0.003	0.093	0.022	83.636	TRUE	5.05E-19
FVC	TFDP1	cg22890571	rs7998172	A	G	0.240	0.024	0.362	1.70E-23	0.003	0.002	0.158	0.026	99.733	TRUE	1.68E-22
FVC	TFDP1	cg25139110	rs4991744	T	C	0.167	0.024	0.349	3.65E-12	0.005	0.003	0.066	0.013	48.276	TRUE	1.72E-11
FVC	TFDP1	cg25945004	rs2259495	C	T	-0.314	0.026	0.266	1.26E-33	0.006	0.003	0.022	0.038	145.979	TRUE	8.82E-32
FVC	TGFB2	cg01558923	rs11581605	G	A	0.295	0.028	0.237	8.41E-27	0.021	0.003	3.67E-14	0.030	114.805	TRUE	4.67E-23
FVC	TGFB2	cg07810039	rs3121580	T	C	0.245	0.042	0.178	6.04E-09	-0.013	0.003	4.48E-05	0.009	33.802	TRUE	7.22E-08
FVC	TGFB2	cg17934824	rs17047703	A	C	0.229	0.028	0.235	1.44E-16	0.021	0.003	6.79E-14	0.018	68.218	TRUE	7.37E-14
FVC	TGFB2	cg18876728	rs114748693	A	G	-0.527	0.091	0.015	6.25E-09	0.020	0.010	0.049	0.009	33.737	TRUE	2.36E-08
FVC	TGFB2	cg18876728	rs12118865	T	A	-0.204	0.035	0.127	5.62E-09	0.000	0.004	0.904	0.009	33.944	TRUE	7.51E-09
FVC	TGFB2	cg18876728	rs75004792	G	A	-1.286	0.149	0.014	7.19E-18	-0.010	0.010	0.314	0.020	74.124	TRUE	3.07E-17
FVC	TGFB2	cg20991819	rs1473527	A	G	-0.155	0.026	0.286	2.87E-09	0.012	0.003	5.87E-06	0.009	35.254	TRUE	4.61E-08
FVC	TGFB2	cg27508144	rs1418555	A	G	0.284	0.028	0.237	6.73E-25	0.021	0.003	4.70E-14	0.028	106.124	TRUE	2.46E-21
FVC	TGFBR1	cg13431688	rs10988713	T	C	-0.829	0.137	0.014	1.53E-09	0.027	0.010	0.006	0.010	36.471	TRUE	9.53E-09
FVC	TGFBR1	cg13431688	rs10988846	A	G	0.218	0.024	0.386	3.54E-19	0.002	0.002	0.330	0.021	80.069	TRUE	1.66E-18
FVC	TGFBR1	cg13431688	rs1147312	A	C	0.202	0.032	0.159	4.50E-10	-0.001	0.003	0.752	0.010	38.862	TRUE	7.10E-10
FVC	TGFBR1	cg13431688	rs118096318	T	G	-0.864	0.092	0.034	4.10E-21	0.011	0.008	0.145	0.023	88.878	TRUE	3.35E-20
FVC	TGFBR1	cg13431688	rs1418268	C	T	0.249	0.043	0.080	8.66E-09	0.002	0.004	0.570	0.009	33.103	TRUE	1.48E-08
FVC	TGFBR1	cg13431688	rs146975998	C	G	-0.576	0.084	0.020	6.58E-12	-0.002	0.009	0.848	0.013	47.124	TRUE	1.05E-11
FVC	TGFBR1	cg13431688	rs148968718	A	G	-0.852	0.114	0.010	7.85E-14	0.014	0.011	0.215	0.015	55.813	TRUE	2.91E-13
FVC	TGFBR1	cg13431688	rs17794536	A	G	-0.375	0.043	0.085	3.98E-18	-0.010	0.004	0.013	0.020	75.292	TRUE	5.87E-17
FVC	TGFBR1	cg13431688	rs2416666	A	G	-0.382	0.032	0.148	4.78E-32	0.007	0.003	0.043	0.036	138.761	TRUE	2.15E-30
FVC	TGFBR1	cg13431688	rs576260157	T	C	-1.091	0.148	0.016	1.97E-13	0.011	0.011	0.287	0.014	54.007	TRUE	6.27E-13
FVC	TGFBR1	cg13431688	rs701375	T	C	-0.746	0.066	0.062	1.28E-29	0.014	0.005	0.006	0.033	127.674	TRUE	9.06E-28
FVC	TGFBR1	cg13431688	rs7034716	T	C	-0.949	0.020	0.285	<1E-200	0.003	0.003	0.311	0.368	2155.262	TRUE	<1E-200
FVC	TGFBR1	cg13431688	rs7036164	A	G	0.277	0.034	0.298	5.43E-16	-0.005	0.003	0.071	0.017	65.600	TRUE	3.71E-15
FVC	TGFBR1	cg13608979	rs367568	C	G	0.392	0.028	0.212	6.88E-44	0.007	0.003	0.011	0.050	192.942	TRUE	2.47E-41
FVC	TGFBR1	cg13827209	rs7042852	A	T	-0.240	0.026	0.262	9.14E-20	0.007	0.003	0.016	0.022	82.741	TRUE	1.50E-18
FVC	TGFBR1	cg14426785	rs10733708	A	G	0.188	0.026	0.285	2.54E-13	0.002	0.003	0.344	0.014	53.503	TRUE	7.27E-13
FVC	THBS1	cg02291532	rs3913763	C	T	-0.232	0.037	0.105	4.87E-10	0.002	0.004	0.539	0.010	38.707	TRUE	9.25E-10
FVC	THBS1	cg02291532	rs6416433	A	G	-0.202	0.023	0.458	9.11E-18	0.004	0.002	0.112	0.020	73.657	TRUE	6.28E-17
FVC	THBS1	cg05886626	rs12442955	T	C	0.168	0.027	0.266	2.97E-10	-0.003	0.003	0.338	0.011	39.671	TRUE	7.02E-10
FVC	THBS1	cg05886626	rs16969802	C	T	-0.269	0.029	0.201	1.71E-20	-0.003	0.003	0.247	0.023	86.057	TRUE	1.00E-19
FVC	THBS1	cg05886626	rs2618164	T	C	-0.459	0.031	0.170	2.74E-49	0.012	0.003	9.24E-05	0.056	217.674	TRUE	1.40E-45
FVC	THBS1	cg05886626	rs28537569	G	T	0.186	0.026	0.287	9.42E-13	-0.004	0.003	0.125	0.014	50.933	TRUE	3.93E-12
FVC	THBS1	cg05886626	rs3973363	C	A	-0.165	0.029	0.201	1.67E-08	-0.003	0.003	0.364	0.009	31.833	TRUE	3.37E-08
FVC	THBS1	cg05886626	rs6492879	C	T	0.212	0.025	0.336	2.68E-17	0.003	0.003	0.243	0.019	71.531	TRUE	1.23E-16
FVC	THBS1	cg05886626	rs66490630	C	T	-0.419	0.056	0.044	7.47E-14	0.009	0.006	0.132	0.015	55.911	TRUE	3.36E-13
FVC	THBS1	cg08293324	rs2618163	T	G	-0.345	0.026	0.292	7.61E-41	-0.001	0.003	0.808	0.046	179.007	TRUE	1.02E-39

FVC	THBS1	cg08293324	rs78911242	C	G	-0.313	0.041	0.085	2.96E-14	-0.006	0.004	0.152	0.015	57.731	TRUE	1.29E-13
FVC	THBS1	cg08433504	rs997752	C	T	0.227	0.024	0.481	1.71E-21	0.002	0.002	0.315	0.024	90.606	TRUE	1.00E-20
FVC	THBS1	cg10078511	rs1105159	G	A	0.136	0.024	0.379	1.86E-08	-0.004	0.002	0.126	0.008	31.618	TRUE	5.30E-08
FVC	THBS1	cg10078511	rs12910572	A	T	-0.191	0.029	0.219	2.23E-11	-0.014	0.003	8.14E-07	0.012	44.737	TRUE	6.48E-10
FVC	THBS1	cg10078511	rs1478605	A	G	-0.363	0.026	0.291	2.72E-45	0.000	0.003	0.944	0.051	199.369	TRUE	4.63E-44
FVC	THBS1	cg10078511	rs60697424	A	G	0.204	0.037	0.117	3.88E-08	0.010	0.004	0.006	0.008	30.190	TRUE	2.01E-07
FVC	THBS1	cg10078511	rs78911242	C	G	-0.315	0.041	0.085	1.90E-14	-0.006	0.004	0.152	0.016	58.599	TRUE	8.45E-14
FVC	THBS1	cg10548034	rs2618163	T	G	-0.161	0.026	0.292	4.99E-10	-0.001	0.003	0.808	0.010	38.660	TRUE	7.48E-10
FVC	THBS1	cg10576133	rs11070220	T	C	-0.229	0.035	0.120	9.51E-11	-0.017	0.004	3.58E-06	0.011	41.898	TRUE	2.24E-09
FVC	THBS1	cg12484072	rs997752	C	T	0.224	0.024	0.481	4.33E-21	0.002	0.002	0.315	0.023	88.770	TRUE	2.46E-20
FVC	THBS1	cg23116540	rs997752	C	T	0.164	0.024	0.481	7.52E-12	0.002	0.002	0.315	0.013	46.862	TRUE	2.10E-11
FVC	THBS1	cg23849826	rs2618163	T	G	-0.243	0.026	0.292	5.93E-21	-0.001	0.003	0.808	0.023	88.146	TRUE	1.61E-20
FVC	THBS1	cg23849826	rs78911242	C	G	-0.259	0.041	0.085	3.30E-10	-0.006	0.004	0.152	0.011	39.466	TRUE	1.02E-09
FVC	THBS1	cg25499543	rs4429266	A	G	0.170	0.024	0.466	1.27E-12	0.002	0.002	0.321	0.013	50.351	TRUE	3.63E-12
FVC	THBS1	cg25499543	rs9806647	G	C	-0.220	0.036	0.123	7.64E-10	-0.016	0.004	8.16E-06	0.010	37.829	TRUE	1.31E-08
FVC	WWOX	cg26691179	rs77451018	C	T	0.183	0.032	0.166	6.90E-09	-0.014	0.003	5.23E-06	0.009	33.544	TRUE	1.01E-07
FVC	WWOX	cg26691179	rs9319519	A	G	-0.224	0.024	0.400	6.07E-21	0.002	0.002	0.383	0.023	88.100	TRUE	2.93E-20
FVC	WWOX	cg27002639	rs78668939	T	C	-0.608	0.097	0.012	2.95E-10	-0.015	0.010	0.141	0.011	39.686	TRUE	9.45E-10
FVC	WWOX	cg27109907	rs7205541	A	G	0.184	0.024	0.401	1.32E-14	0.006	0.002	0.017	0.016	59.311	TRUE	1.23E-13
FVC	YWHAB	cg10774185	rs7265519	T	C	0.160	0.026	0.260	7.58E-10	-0.008	0.003	0.001	0.010	37.846	TRUE	6.50E-09
FVC	YWHAB	cg15324310	rs4812874	A	G	-0.146	0.025	0.278	7.97E-09	-0.003	0.003	0.214	0.009	33.265	TRUE	1.98E-08
FVC	YWHAB	cg15324310	rs6031848	C	T	0.323	0.026	0.263	1.04E-36	-0.009	0.003	0.001	0.041	160.089	TRUE	3.48E-34
FVC	YWHAE	cg23643343	rs11653079	G	A	-0.175	0.029	0.212	8.99E-10	-0.001	0.003	0.717	0.010	37.513	TRUE	1.43E-09
FVC	YWHAE	cg23643343	rs144287161	C	G	0.418	0.063	0.033	3.55E-11	0.001	0.006	0.893	0.012	43.825	TRUE	5.30E-11
FVC	YWHAE	cg23643343	rs28365859	G	C	0.243	0.025	0.309	7.29E-22	-0.007	0.003	0.005	0.024	92.292	TRUE	2.24E-20
FVC	YWHAE	cg23643343	rs8079364	G	A	-0.182	0.030	0.205	8.52E-10	0.009	0.003	0.003	0.010	37.617	TRUE	6.36E-09
FVC	YWHAE	cg23643343	rs9901229	T	C	-0.172	0.031	0.177	3.14E-08	0.007	0.003	0.031	0.008	30.605	TRUE	1.19E-07
FVC	YWHAZ	cg04962480	rs117524111	T	C	-0.320	0.051	0.059	2.97E-10	0.001	0.005	0.770	0.011	39.672	TRUE	4.69E-10
FVC	YWHAZ	cg04962480	rs12543732	A	T	0.285	0.050	0.066	8.94E-09	0.003	0.005	0.545	0.009	33.041	TRUE	1.58E-08
FVC	YWHAZ	cg04962480	rs2102291	T	G	0.331	0.028	0.288	6.04E-33	0.002	0.003	0.564	0.037	142.870	TRUE	5.85E-32
FVC	YWHAZ	cg04962480	rs3105460	A	G	0.649	0.025	0.384	9.91E-154	0.005	0.002	0.040	0.159	697.229	TRUE	2.00E-141
FVC	YWHAZ	cg04962480	rs34933106	G	C	-0.200	0.029	0.248	5.06E-12	-0.002	0.003	0.396	0.013	47.637	TRUE	1.23E-11
FVC	YWHAZ	cg04962480	rs36059344	T	C	-0.312	0.054	0.114	9.03E-09	0.000	0.004	0.950	0.009	33.022	TRUE	1.17E-08
FVC	ZBTB22	cg06477487	rs469064	A	C	-0.129	0.023	0.498	2.01E-08	0.000	0.002	0.874	0.008	31.465	TRUE	2.72E-08
FVC	ZBTB22	cg08255964	rs3106194	A	G	-0.203	0.026	0.310	2.04E-15	0.005	0.003	0.067	0.017	62.997	TRUE	1.39E-14
FVC	ZBTB22	cg10585379	rs3130256	A	G	-0.170	0.025	0.350	9.20E-12	0.007	0.003	0.004	0.012	46.466	TRUE	8.11E-11
FVC	ZBTB22	cg26919618	rs3106194	A	G	-0.173	0.028	0.310	3.98E-10	0.005	0.003	0.067	0.010	39.100	TRUE	1.61E-09
FVC	ZC3H12A	cg01937809	rs145149767	T	C	-0.269	0.035	0.123	1.78E-14	0.004	0.004	0.244	0.016	58.727	TRUE	6.61E-14
FVC	ZC3H12A	cg03140118	rs10908340	G	A	-0.164	0.024	0.473	5.90E-12	0.002	0.002	0.351	0.013	47.335	TRUE	1.53E-11
FVC	ZC3H12A	cg03140118	rs10908365	G	C	0.159	0.025	0.316	3.66E-10	0.002	0.003	0.486	0.011	39.265	TRUE	7.25E-10
FVC	ZC3H12A	cg03140118	rs111632933	C	A	0.280	0.050	0.058	1.79E-08	-0.011	0.005	0.024	0.008	31.693	TRUE	7.39E-08
FVC	ZC3H12A	cg03140118	rs11264035	G	A	0.195	0.024	0.461	3.96E-16	-0.005	0.002	0.024	0.018	66.218	TRUE	4.01E-15

FVC	ZC3H12A	cg03140118	rs11264047	T	C	-0.289	0.046	0.066	2.55E-10	-0.003	0.005	0.515	0.011	39.967	TRUE	5.00E-10
FVC	ZC3H12A	cg03140118	rs11578962	T	G	0.403	0.043	0.074	5.21E-21	-0.010	0.004	0.016	0.023	88.403	TRUE	9.83E-20
FVC	ZC3H12A	cg03140118	rs11579360	T	G	0.160	0.026	0.282	8.99E-10	-0.002	0.003	0.551	0.010	37.512	TRUE	1.64E-09
FVC	ZC3H12A	cg03140118	rs11584856	T	C	0.205	0.031	0.179	3.69E-11	0.000	0.003	0.948	0.012	43.747	TRUE	5.24E-11
FVC	ZC3H12A	cg03140118	rs12044682	A	T	0.157	0.028	0.222	1.98E-08	-0.007	0.003	0.012	0.008	31.501	TRUE	9.63E-08
FVC	ZC3H12A	cg03140118	rs12144938	G	C	-0.277	0.030	0.188	5.29E-20	0.004	0.003	0.188	0.022	83.821	TRUE	3.41E-19
FVC	ZC3H12A	cg03140118	rs144309017	T	C	0.768	0.103	0.014	7.15E-14	0.010	0.008	0.236	0.015	55.998	TRUE	2.56E-13
FVC	ZC3H12A	cg03140118	rs146177692	G	A	0.356	0.038	0.102	8.22E-21	0.003	0.004	0.379	0.023	87.502	TRUE	4.00E-20
FVC	ZC3H12A	cg03140118	rs146684427	G	C	-0.506	0.091	0.034	2.98E-08	0.012	0.007	0.116	0.008	30.703	TRUE	8.49E-08
FVC	ZC3H12A	cg03140118	rs16824158	G	C	0.489	0.084	0.029	5.32E-09	-0.003	0.007	0.695	0.009	34.050	TRUE	8.33E-09
FVC	ZC3H12A	cg03140118	rs35537303	A	G	-0.264	0.027	0.246	4.27E-22	-0.003	0.003	0.353	0.025	93.351	TRUE	2.45E-21
FVC	ZC3H12A	cg03140118	rs61780479	T	C	-0.420	0.029	0.203	9.83E-47	0.007	0.003	0.015	0.053	205.971	TRUE	4.68E-44
FVC	ZC3H12A	cg03140118	rs71640742	C	A	-0.245	0.040	0.097	6.11E-10	-0.002	0.004	0.567	0.010	38.266	TRUE	1.12E-09
FVC	ZC3H12A	cg03140118	rs75500832	A	C	0.278	0.040	0.095	4.87E-12	-0.003	0.004	0.407	0.013	47.712	TRUE	1.19E-11
FVC	ZC3H12A	cg03140118	rs75785507	A	G	0.672	0.023	0.341	2.72E-181	-0.006	0.003	0.025	0.182	823.920	TRUE	3.48E-165
FVC	ZC3H12A	cg08857221	rs145149767	T	C	-0.231	0.035	0.123	4.06E-11	0.004	0.004	0.244	0.012	43.561	TRUE	1.16E-10
FVC	ZC3H12A	cg08857221	rs2660566	A	G	-0.147	0.023	0.458	3.82E-10	-0.004	0.002	0.089	0.010	39.179	TRUE	1.43E-09
FVC	ZC3H12A	cg08857221	rs72917904	A	G	-0.891	0.163	0.011	4.67E-08	-0.008	0.014	0.553	0.008	29.833	TRUE	7.78E-08
FVC	ZC3H12A	cg15949277	rs75785507	A	G	0.241	0.024	0.341	1.37E-23	-0.006	0.003	0.025	0.026	100.159	TRUE	2.85E-22
FVC	ZC3H12A	cg16371538	rs10908353	G	A	0.179	0.030	0.187	3.82E-09	0.004	0.003	0.158	0.009	34.695	TRUE	1.06E-08
FVC	ZC3H12A	cg16371538	rs10908365	G	C	-0.176	0.025	0.316	3.96E-12	0.002	0.003	0.486	0.013	48.116	TRUE	8.86E-12
FVC	ZC3H12A	cg16371538	rs11264057	G	T	0.310	0.043	0.077	4.71E-13	-0.002	0.004	0.575	0.014	52.294	TRUE	1.03E-12
FVC	ZC3H12A	cg16371538	rs114745536	C	T	-0.237	0.043	0.074	4.16E-08	-0.010	0.004	0.016	0.008	30.059	TRUE	1.80E-07
FVC	ZC3H12A	cg16371538	rs12128064	C	A	-0.233	0.036	0.116	1.13E-10	-0.002	0.004	0.517	0.011	41.564	TRUE	2.25E-10
FVC	ZC3H12A	cg16371538	rs2660566	A	G	-0.494	0.023	0.458	4.14E-104	-0.004	0.002	0.089	0.113	469.237	TRUE	1.47E-97
FVC	ZC3H12A	cg16371538	rs2745492	A	G	0.200	0.028	0.229	1.60E-12	0.008	0.003	0.006	0.013	49.896	TRUE	1.46E-11
FVC	ZC3H12A	cg16371538	rs2811626	C	T	-0.220	0.027	0.253	2.52E-16	0.001	0.003	0.845	0.018	67.114	TRUE	5.00E-16
FVC	ZC3H12A	cg16371538	rs34544045	T	C	-0.146	0.026	0.277	2.42E-08	0.003	0.003	0.205	0.008	31.112	TRUE	5.89E-08
FVC	ZC3H12A	cg16371538	rs56008308	C	T	0.192	0.028	0.224	5.58E-12	-0.002	0.003	0.583	0.013	47.447	TRUE	1.13E-11
FVC	ZC3H12A	cg16371538	rs61778057	A	T	0.322	0.033	0.154	1.05E-22	0.004	0.003	0.257	0.025	96.117	TRUE	7.57E-22
FVC	ZC3H12A	cg16371538	rs74066222	A	G	-0.393	0.034	0.129	1.06E-30	0.005	0.004	0.163	0.035	132.618	TRUE	2.06E-29
FVC	ZC3H12A	cg16371538	rs7529580	G	A	0.190	0.028	0.231	7.80E-12	0.004	0.003	0.119	0.012	46.790	TRUE	3.00E-11
FVC	ZC3H12A	cg19872095	rs2660566	A	G	-0.141	0.023	0.458	1.95E-09	-0.004	0.002	0.089	0.010	36.004	TRUE	6.79E-09
FVC	ZC3H12A	cg24635860	rs114886934	T	C	0.796	0.089	0.044	2.45E-19	0.013	0.007	0.050	0.021	80.790	TRUE	2.62E-18
FVC	ZC3H12A	cg24635860	rs75785507	A	G	0.188	0.024	0.341	1.75E-14	-0.006	0.003	0.025	0.016	58.768	TRUE	1.37E-13
FVC	ZEB1	cg00520933	rs12572002	A	G	-0.346	0.056	0.044	7.87E-10	-0.012	0.006	0.041	0.010	37.772	TRUE	3.38E-09
FVC	ZEB1	cg00520933	rs161278	C	A	-0.616	0.052	0.050	5.20E-32	0.008	0.005	0.136	0.036	138.596	TRUE	1.31E-30
FVC	ZEB1	cg03719128	rs17295682	T	A	-0.334	0.056	0.042	1.73E-09	0.005	0.006	0.378	0.010	36.236	TRUE	3.72E-09
FVC	ZEB1	cg13303654	rs4749683	C	A	-0.206	0.025	0.370	8.49E-17	-0.005	0.002	0.031	0.018	69.255	TRUE	8.30E-16
FVC	ZEB1	cg13303654	rs76146492	G	C	0.270	0.043	0.080	2.25E-10	-0.017	0.004	5.58E-05	0.011	40.213	TRUE	3.37E-09
FVC	ZEB1	cg13303654	rs7924137	T	C	0.202	0.024	0.377	3.64E-17	-0.007	0.002	0.003	0.019	70.926	TRUE	7.13E-16
FVC	ZEB1	cg24861272	rs57914422	A	G	-0.323	0.056	0.046	7.51E-09	-0.011	0.006	0.053	0.009	33.379	TRUE	2.75E-08

FVC	ZEB1	cg24861272	rs7911781	T	A	-0.543	0.052	0.050	3.62E-25	0.007	0.005	0.167	0.028	107.353	TRUE	4.02E-24
FEV1	ABL2	cg09129563	rs4652355	G	C	0.185	0.024	0.398	4.19E-15	0.001	0.002	0.571	0.016	61.574	TRUE	1.02E-14
FEV1	ABL2	cg10805082	rs72709483	G	C	-0.224	0.037	0.121	1.05E-09	-0.005	0.004	0.152	0.010	37.204	TRUE	3.15E-09
FEV1	ABL2	cg13927605	rs2636293	A	G	-0.130	0.023	0.463	1.76E-08	-0.002	0.002	0.338	0.009	31.727	TRUE	3.66E-08
FEV1	ABL2	cg18433086	rs6672395	C	T	0.219	0.033	0.147	2.39E-11	-0.009	0.003	0.005	0.012	44.594	TRUE	1.97E-10
FEV1	ACP2	cg20969221	rs1051006	A	G	0.173	0.030	0.185	1.18E-08	0.009	0.003	0.002	0.009	32.500	TRUE	7.78E-08
FEV1	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	0.002	0.003	0.452	0.009	33.777	TRUE	1.18E-08
FEV1	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	0.003	0.003	0.377	0.026	99.595	TRUE	1.10E-22
FEV1	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	-0.004	0.004	0.295	0.024	91.104	TRUE	7.77E-21
FEV1	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	-0.002	0.003	0.532	0.023	85.706	TRUE	7.46E-20
FEV1	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	0.000	0.003	0.963	0.096	394.415	TRUE	4.56E-84
FEV1	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	0.002	0.003	0.396	0.012	45.752	TRUE	3.22E-11
FEV1	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	0.002	0.004	0.501	0.024	91.003	TRUE	5.98E-21
FEV1	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	0.003	0.003	0.401	0.166	735.001	TRUE	6.43E-150
FEV1	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	0.001	0.004	0.827	0.021	80.430	TRUE	7.13E-19
FEV1	ACSL1	cg01714284	rs11732302	C	T	0.552	0.081	0.022	1.22E-11	-0.010	0.008	0.235	0.012	45.921	TRUE	3.65E-11
FEV1	ACSL1	cg01714284	rs13127985	C	T	0.255	0.024	0.390	8.92E-26	-0.001	0.002	0.750	0.029	110.128	TRUE	3.71E-25
FEV1	ACSL1	cg01714284	rs2696051	G	T	-0.214	0.029	0.212	9.70E-14	-0.001	0.003	0.697	0.015	55.398	TRUE	1.94E-13
FEV1	ACSL1	cg01714284	rs34653881	C	G	-0.162	0.027	0.260	2.64E-09	0.003	0.003	0.211	0.009	35.413	TRUE	6.96E-09
FEV1	ACSL1	cg01714284	rs7686479	C	T	-0.660	0.034	0.141	7.75E-85	0.007	0.003	0.053	0.093	380.740	TRUE	7.98E-80
FEV1	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	0.003	0.003	0.377	0.009	32.239	TRUE	2.75E-08
FEV1	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	-0.003	0.003	0.266	0.012	44.331	TRUE	7.48E-11
FEV1	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	-0.004	0.004	0.295	0.012	43.529	TRUE	1.08E-10
FEV1	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	0.006	0.003	0.057	0.019	72.679	TRUE	1.26E-16
FEV1	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	0.003	0.003	0.401	0.008	30.509	TRUE	6.40E-08
FEV1	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	-0.004	0.002	0.115	0.064	253.540	TRUE	2.52E-54
FEV1	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	-0.001	0.002	0.561	0.011	42.716	TRUE	1.22E-10
FEV1	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	0.003	0.003	0.377	0.010	38.437	TRUE	1.25E-09
FEV1	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	0.002	0.002	0.366	0.012	44.293	TRUE	6.89E-11
FEV1	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	0.002	0.003	0.623	0.020	74.207	TRUE	1.91E-17
FEV1	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	0.000	0.002	0.999	0.014	53.493	TRUE	3.82E-13
FEV1	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	-0.003	0.007	0.633	0.010	36.790	TRUE	2.22E-09
FEV1	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	-0.001	0.002	0.637	0.009	34.512	TRUE	6.87E-09
FEV1	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	-0.002	0.005	0.761	0.011	42.884	TRUE	9.37E-11
FEV1	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	0.007	0.003	0.036	0.064	251.555	TRUE	1.38E-53
FEV1	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	0.001	0.003	0.678	0.016	59.617	TRUE	2.46E-14
FEV1	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	-0.003	0.002	0.288	0.017	63.888	TRUE	4.77E-15
FEV1	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	-0.007	0.003	0.014	0.022	82.999	TRUE	1.39E-18
FEV1	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	0.003	0.003	0.377	0.009	34.235	TRUE	1.01E-08
FEV1	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	0.003	0.003	0.386	0.072	284.859	TRUE	3.26E-61
FEV1	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	-0.001	0.002	0.561	0.014	51.736	TRUE	1.38E-12
FEV1	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	-0.002	0.003	0.386	0.016	59.829	TRUE	3.02E-14

FEV1	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	-0.001	0.002	0.662	0.010	37.355	TRUE	1.61E-09
FEV1	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	-0.002	0.003	0.399	0.008	31.397	TRUE	4.08E-08
FEV1	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	0.002	0.003	0.353	0.014	52.455	TRUE	1.22E-12
FEV1	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	0.001	0.004	0.695	0.008	29.901	TRUE	6.74E-08
FEV1	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	0.000	0.002	0.999	0.019	72.925	TRUE	2.42E-17
FEV1	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	0.002	0.003	0.413	0.012	43.708	TRUE	8.81E-11
FEV1	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	-0.001	0.003	0.615	0.016	58.274	TRUE	5.14E-14
FEV1	ACSL1	cg27112742	rs67469410	T	A	-0.207	0.032	0.164	2.08E-10	0.006	0.003	0.052	0.011	40.367	TRUE	8.97E-10
FEV1	ACSL1	cg27112742	rs72689214	C	G	-0.233	0.031	0.179	2.45E-14	-0.003	0.003	0.276	0.015	58.099	TRUE	8.55E-14
FEV1	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	0.002	0.003	0.620	0.075	300.418	TRUE	1.21E-64
FEV1	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	0.003	0.003	0.236	0.017	64.683	TRUE	3.53E-15
FEV1	ACSL6	cg02257405	rs10059315	A	G	0.388	0.067	0.029	7.42E-09	-0.014	0.007	0.051	0.009	33.403	TRUE	2.75E-08
FEV1	ACSL6	cg19096799	rs10080188	A	T	0.321	0.058	0.039	3.09E-08	-0.004	0.006	0.507	0.008	30.633	TRUE	5.40E-08
FEV1	ADK	cg19889307	rs11001185	T	A	0.561	0.073	0.025	1.01E-14	0.007	0.008	0.395	0.016	59.845	TRUE	3.03E-14
FEV1	ADK	cg19889307	rs1908331	A	G	0.935	0.033	0.126	5.22E-179	0.000	0.004	0.938	0.180	813.425	TRUE	1.25E-165
FEV1	ADK	cg19889307	rs56180079	A	G	0.628	0.061	0.035	1.22E-24	-0.013	0.006	0.039	0.028	104.938	TRUE	2.55E-23
FEV1	ADK	cg19889307	rs576082936	T	C	0.318	0.026	0.272	5.02E-35	0.001	0.003	0.662	0.040	152.378	TRUE	5.02E-34
FEV1	ADK	cg19889307	rs839706	G	A	-0.178	0.028	0.233	1.13E-10	0.004	0.003	0.170	0.011	41.562	TRUE	3.51E-10
FEV1	AGA	cg00398048	rs10027395	A	T	-0.372	0.036	0.118	3.65E-25	-0.002	0.004	0.621	0.028	107.337	TRUE	1.71E-24
FEV1	AGA	cg00398048	rs114635384	A	G	0.431	0.077	0.037	2.26E-08	0.003	0.006	0.614	0.008	31.236	TRUE	3.67E-08
FEV1	AGA	cg00398048	rs115617034	G	T	0.608	0.063	0.032	7.87E-22	-0.014	0.007	0.036	0.024	92.140	TRUE	1.21E-20
FEV1	AGA	cg00398048	rs12499096	G	A	0.990	0.021	0.311	<1E-200	0.004	0.003	0.116	0.377	2233.701	TRUE	<1E-200
FEV1	AGA	cg00398048	rs12513248	T	A	-0.243	0.028	0.225	1.61E-18	0.001	0.003	0.631	0.020	77.074	TRUE	4.59E-18
FEV1	AGA	cg00398048	rs13104185	G	C	0.183	0.030	0.193	6.56E-10	0.005	0.003	0.122	0.010	38.127	TRUE	2.12E-09
FEV1	AGA	cg00398048	rs17691256	G	A	0.390	0.040	0.091	5.74E-23	0.002	0.004	0.536	0.026	97.322	TRUE	2.55E-22
FEV1	AGA	cg00398048	rs1840276	T	C	-0.186	0.030	0.189	6.42E-10	0.002	0.003	0.526	0.010	38.168	TRUE	1.22E-09
FEV1	AGA	cg00398048	rs34192299	C	T	0.183	0.026	0.281	1.39E-12	-0.002	0.003	0.497	0.013	50.174	TRUE	3.22E-12
FEV1	AGA	cg00398048	rs35723369	G	A	0.497	0.041	0.096	1.98E-33	-0.003	0.004	0.434	0.038	145.080	TRUE	2.53E-32
FEV1	AGA	cg00398048	rs4690513	C	T	-0.282	0.035	0.119	9.20E-16	-0.008	0.003	0.025	0.017	64.559	TRUE	8.69E-15
FEV1	AGA	cg00398048	rs72494099	T	G	-0.236	0.030	0.181	9.25E-15	-0.004	0.003	0.244	0.016	60.018	TRUE	3.49E-14
FEV1	AGA	cg00398048	rs72704907	A	G	0.425	0.060	0.031	1.39E-12	-0.004	0.006	0.456	0.013	50.175	TRUE	3.31E-12
FEV1	AGA	cg00398048	rs72704968	A	G	-0.470	0.031	0.169	8.25E-51	-0.007	0.003	0.040	0.057	224.648	TRUE	3.99E-48
FEV1	AGA	cg00398048	rs74626221	A	C	-0.622	0.113	0.024	3.85E-08	-0.007	0.008	0.383	0.008	30.207	TRUE	7.52E-08
FEV1	AGA	cg07155684	rs11131803	G	A	-0.360	0.032	0.168	3.12E-30	-0.007	0.003	0.040	0.034	130.474	TRUE	1.18E-28
FEV1	AGA	cg07155684	rs59345653	G	A	0.184	0.026	0.304	1.88E-12	0.004	0.003	0.170	0.013	49.574	TRUE	6.91E-12
FEV1	AGA	cg07155684	rs72705000	T	C	-0.180	0.030	0.180	3.22E-09	-0.004	0.003	0.234	0.009	35.027	TRUE	8.07E-09
FEV1	AGA	cg07155684	rs74626221	A	C	-0.679	0.113	0.024	1.92E-09	-0.007	0.008	0.383	0.010	36.036	TRUE	4.09E-09
FEV1	AGA	cg09976051	rs10010428	T	C	-0.193	0.031	0.172	5.58E-10	-0.004	0.003	0.186	0.010	38.444	TRUE	1.59E-09
FEV1	AGA	cg09976051	rs10027395	A	T	0.276	0.036	0.118	1.86E-14	-0.002	0.004	0.621	0.016	58.643	TRUE	4.23E-14
FEV1	AGA	cg09976051	rs1105059	C	T	0.827	0.021	0.328	<1E-200	0.000	0.003	0.871	0.289	1503.388	TRUE	2.81E-289
FEV1	AGA	cg09976051	rs112876916	T	C	-0.573	0.079	0.028	5.21E-13	-0.004	0.008	0.615	0.014	52.098	TRUE	1.09E-12
FEV1	AGA	cg09976051	rs114960083	T	A	-0.406	0.065	0.031	3.00E-10	-0.010	0.007	0.149	0.011	39.656	TRUE	9.46E-10

FEV1	AGA	cg09976051	rs13151496	G	A	0.229	0.039	0.101	4.72E-09	-0.005	0.004	0.180	0.009	34.284	TRUE	1.27E-08
FEV1	AGA	cg09976051	rs17064813	A	G	0.295	0.044	0.083	1.31E-11	-0.011	0.004	0.012	0.012	45.777	TRUE	9.19E-11
FEV1	AGA	cg09976051	rs2333643	G	C	-0.462	0.026	0.279	2.94E-68	0.004	0.003	0.109	0.076	304.651	TRUE	9.85E-65
FEV1	AGA	cg09976051	rs4047772	G	C	-0.196	0.032	0.395	1.35E-09	0.002	0.003	0.467	0.010	36.717	TRUE	2.65E-09
FEV1	AGA	cg09976051	rs4437200	C	G	0.171	0.025	0.313	9.16E-12	0.003	0.003	0.288	0.012	46.476	TRUE	2.60E-11
FEV1	AGA	cg09976051	rs4690512	A	G	-0.313	0.029	0.184	2.73E-26	-0.002	0.003	0.518	0.030	112.472	TRUE	1.60E-25
FEV1	AGA	cg09976051	rs6832968	G	A	-0.526	0.032	0.156	1.12E-60	-0.008	0.003	0.018	0.068	269.886	TRUE	3.88E-57
FEV1	AGA	cg09976051	rs72704907	A	G	-0.337	0.060	0.031	1.85E-08	-0.004	0.006	0.456	0.008	31.624	TRUE	3.41E-08
FEV1	AGA	cg09976051	rs75658424	T	C	-0.488	0.049	0.062	8.92E-24	-0.004	0.005	0.458	0.027	101.007	TRUE	4.79E-23
FEV1	AGA	cg09976051	rs79987378	C	T	0.547	0.064	0.037	1.37E-17	-0.004	0.006	0.451	0.019	72.853	TRUE	4.65E-17
FEV1	AGA	cg16070743	rs12499096	G	A	0.193	0.026	0.311	6.34E-14	0.004	0.003	0.116	0.015	56.231	TRUE	3.02E-13
FEV1	AGRP	cg06285333	rs111986796	T	C	0.614	0.091	0.020	1.23E-11	-0.005	0.010	0.586	0.012	45.897	TRUE	2.44E-11
FEV1	AGRP	cg06285333	rs6499130	T	G	-0.365	0.043	0.076	3.38E-17	0.004	0.004	0.341	0.019	71.073	TRUE	1.31E-16
FEV1	AHRR	cg03569073	rs2672770	A	C	0.255	0.025	0.298	2.08E-24	0.001	0.003	0.624	0.027	103.886	TRUE	9.05E-24
FEV1	AHRR	cg09662430	rs10054612	A	G	-0.433	0.044	0.081	4.33E-23	0.002	0.004	0.664	0.026	97.881	TRUE	1.63E-22
FEV1	AHRR	cg09662430	rs10440690	A	G	-0.327	0.044	0.077	6.10E-14	0.001	0.005	0.838	0.015	56.308	TRUE	1.08E-13
FEV1	AHRR	cg09662430	rs116266266	A	G	-0.769	0.114	0.013	1.66E-11	-0.023	0.012	0.062	0.012	45.312	TRUE	7.69E-11
FEV1	AHRR	cg09662430	rs11746538	A	C	-0.217	0.037	0.117	4.25E-09	-0.002	0.004	0.520	0.009	34.486	TRUE	7.72E-09
FEV1	AHRR	cg09662430	rs13154323	C	T	-0.157	0.024	0.453	2.94E-11	0.005	0.002	0.044	0.012	44.195	TRUE	1.44E-10
FEV1	AHRR	cg09662430	rs151191270	T	C	-0.603	0.080	0.026	4.07E-14	-0.018	0.008	0.018	0.015	57.102	TRUE	3.45E-13
FEV1	AHRR	cg09662430	rs389363	A	G	-0.357	0.044	0.068	1.01E-15	0.010	0.005	0.036	0.017	64.375	TRUE	8.43E-15
FEV1	AHRR	cg09662430	rs56051594	T	C	0.179	0.024	0.412	7.57E-14	-0.008	0.002	0.001	0.015	55.884	TRUE	1.16E-12
FEV1	AHRR	cg09662430	rs62331561	T	C	0.405	0.034	0.138	8.00E-33	0.011	0.003	0.001	0.037	142.311	TRUE	1.51E-30
FEV1	AHRR	cg09662430	rs77465551	G	A	-0.209	0.034	0.130	1.40E-09	0.000	0.004	0.955	0.010	36.647	TRUE	1.86E-09
FEV1	AHRR	cg09662430	rs870502	T	C	-0.699	0.024	0.301	5.74E-187	0.001	0.003	0.621	0.187	850.012	TRUE	4.81E-172
FEV1	AHRR	cg09854184	rs6879758	C	G	-0.428	0.048	0.065	3.51E-19	0.009	0.005	0.091	0.021	80.083	TRUE	2.98E-18
FEV1	AHRR	cg11148817	rs62329994	A	G	-0.277	0.047	0.068	3.04E-09	0.007	0.005	0.141	0.009	35.140	TRUE	8.88E-09
FEV1	AHRR	cg16081854	rs1035908	T	C	0.398	0.039	0.100	3.80E-24	0.000	0.004	0.985	0.027	102.696	TRUE	1.04E-23
FEV1	AHRR	cg16081854	rs112317010	A	G	0.779	0.093	0.014	8.20E-17	0.010	0.008	0.235	0.018	69.324	TRUE	3.73E-16
FEV1	AHRR	cg16081854	rs115479894	G	T	0.413	0.071	0.029	6.30E-09	-0.005	0.007	0.478	0.009	33.722	TRUE	1.18E-08
FEV1	AHRR	cg16081854	rs115772618	G	C	0.509	0.088	0.020	6.47E-09	0.027	0.008	0.001	0.009	33.670	TRUE	5.04E-08
FEV1	AHRR	cg16081854	rs116314028	T	C	-0.492	0.039	0.110	2.85E-36	-0.013	0.004	0.002	0.041	158.081	TRUE	7.59E-34
FEV1	AHRR	cg16081854	rs12716167	A	G	0.295	0.042	0.096	1.80E-12	0.002	0.004	0.700	0.013	49.669	TRUE	3.37E-12
FEV1	AHRR	cg16081854	rs13172732	C	T	0.843	0.019	0.451	<1E-200	0.009	0.002	2.14E-04	0.343	1933.194	TRUE	<1E-200
FEV1	AHRR	cg16081854	rs145851861	T	C	0.581	0.089	0.017	7.01E-11	-0.007	0.008	0.337	0.011	42.495	TRUE	1.73E-10
FEV1	AHRR	cg16081854	rs151191270	T	C	0.660	0.080	0.026	1.67E-16	-0.018	0.008	0.018	0.018	67.926	TRUE	1.84E-15
FEV1	AHRR	cg16081854	rs2721011	G	C	0.552	0.030	0.189	1.76E-77	0.007	0.003	0.016	0.086	346.977	TRUE	1.10E-72
FEV1	AHRR	cg16081854	rs34398974	G	A	-0.637	0.037	0.102	1.31E-66	-0.002	0.004	0.695	0.074	297.089	TRUE	4.87E-64
FEV1	AHRR	cg16081854	rs35342079	G	A	-0.368	0.024	0.427	5.30E-55	-0.005	0.002	0.028	0.062	243.859	TRUE	5.68E-52
FEV1	AHRR	cg16081854	rs35839513	G	T	-0.596	0.097	0.033	8.52E-10	0.008	0.006	0.157	0.010	37.618	TRUE	2.54E-09
FEV1	AHRR	cg16081854	rs35914637	C	T	-0.158	0.026	0.252	1.48E-09	-0.014	0.003	2.62E-07	0.010	36.537	TRUE	3.45E-08
FEV1	AHRR	cg16081854	rs36004765	T	C	0.470	0.041	0.093	5.83E-30	0.002	0.004	0.577	0.034	129.229	TRUE	4.23E-29

FEV1	AHRR	cg16081854	rs4957061	T	C	-0.205	0.024	0.486	7.27E-18	-0.007	0.002	0.002	0.020	74.103	TRUE	1.66E-16
FEV1	AHRR	cg16081854	rs588820	A	G	-0.237	0.043	0.189	3.92E-08	-0.004	0.003	0.207	0.008	30.175	TRUE	9.44E-08
FEV1	AHRR	cg16081854	rs62330027	A	T	0.683	0.037	0.101	1.41E-74	0.008	0.004	0.044	0.083	333.649	TRUE	2.66E-70
FEV1	AHRR	cg16081854	rs6883247	G	A	0.613	0.043	0.076	3.03E-46	0.003	0.005	0.539	0.052	203.732	TRUE	1.15E-44
FEV1	AHRR	cg16081854	rs72702726	T	C	-0.402	0.054	0.047	7.68E-14	0.003	0.005	0.624	0.015	55.856	TRUE	1.66E-13
FEV1	AHRR	cg16081854	rs72710812	A	G	0.419	0.068	0.030	9.86E-10	0.021	0.007	0.002	0.010	37.332	TRUE	7.94E-09
FEV1	AHRR	cg16081854	rs7724374	A	G	0.633	0.025	0.291	6.97E-145	0.000	0.003	0.973	0.151	656.568	TRUE	9.20E-136
FEV1	AHRR	cg17310215	rs10053800	G	A	-0.224	0.034	0.141	3.21E-11	0.004	0.004	0.275	0.012	44.021	TRUE	8.78E-11
FEV1	AHRR	cg17310215	rs6885901	A	G	-0.263	0.023	0.486	1.59E-30	0.006	0.002	0.010	0.034	131.809	TRUE	1.04E-28
FEV1	AHRR	cg17989581	rs10054902	A	G	0.175	0.027	0.242	9.05E-11	0.007	0.003	0.013	0.011	41.993	TRUE	5.65E-10
FEV1	AHRR	cg17989581	rs1574220	C	T	0.492	0.042	0.081	8.57E-32	0.009	0.004	0.042	0.036	137.603	TRUE	3.91E-30
FEV1	AHRR	cg17989581	rs3932940	C	T	0.132	0.024	0.361	3.39E-08	0.003	0.002	0.286	0.008	30.454	TRUE	7.40E-08
FEV1	AIFM2	cg00352027	rs10999236	C	T	-0.301	0.048	0.061	4.52E-10	0.011	0.005	0.018	0.010	38.854	TRUE	2.43E-09
FEV1	AIFM2	cg00352027	rs7082396	A	C	-0.235	0.024	0.348	9.07E-22	0.004	0.003	0.119	0.024	91.859	TRUE	8.40E-21
FEV1	AIFM2	cg01322555	rs10999150	A	G	0.668	0.033	0.415	3.15E-93	0.003	0.002	0.310	0.102	419.262	TRUE	3.15E-88
FEV1	AIFM2	cg01322555	rs10999152	A	T	-0.239	0.032	0.161	1.24E-13	0.003	0.003	0.312	0.015	54.913	TRUE	3.83E-13
FEV1	AIFM2	cg01322555	rs10999245	T	C	0.207	0.027	0.263	1.10E-14	-0.001	0.003	0.746	0.016	59.678	TRUE	2.24E-14
FEV1	AIFM2	cg01322555	rs6480431	G	A	0.163	0.030	0.185	4.82E-08	0.004	0.003	0.163	0.008	29.771	TRUE	1.23E-07
FEV1	AIFM2	cg02100629	rs10999245	T	C	-0.365	0.027	0.263	1.52E-42	-0.001	0.003	0.746	0.048	186.780	TRUE	2.75E-41
FEV1	AIFM2	cg02100629	rs16927241	A	G	-0.151	0.026	0.287	4.98E-09	0.004	0.003	0.118	0.009	34.177	TRUE	1.53E-08
FEV1	AIFM2	cg02100629	rs1904589	T	C	-0.210	0.023	0.450	3.46E-19	0.005	0.002	0.042	0.021	80.111	TRUE	3.79E-18
FEV1	AIFM2	cg02100629	rs199902924	G	A	0.192	0.029	0.222	1.63E-11	0.003	0.003	0.220	0.012	45.352	TRUE	4.94E-11
FEV1	AIFM2	cg02100629	rs2394645	G	C	-0.722	0.023	0.393	6.30E-224	0.003	0.002	0.188	0.216	1019.943	TRUE	2.26E-202
FEV1	AIFM2	cg02100629	rs35359681	A	G	-0.441	0.068	0.031	7.17E-11	0.003	0.007	0.666	0.011	42.449	TRUE	1.27E-10
FEV1	AIFM2	cg02100629	rs3750779	T	C	-0.220	0.026	0.263	4.74E-17	0.010	0.003	1.35E-04	0.019	70.402	TRUE	1.63E-15
FEV1	AIFM2	cg02100629	rs41277972	C	A	-0.451	0.071	0.028	1.73E-10	0.011	0.007	0.119	0.011	40.723	TRUE	6.01E-10
FEV1	AIFM2	cg02100629	rs4747009	C	T	-0.191	0.030	0.186	2.93E-10	0.004	0.003	0.202	0.011	39.697	TRUE	8.46E-10
FEV1	AIFM2	cg02100629	rs55742012	T	G	-0.210	0.035	0.126	2.89E-09	0.003	0.004	0.431	0.009	35.236	TRUE	5.83E-09
FEV1	AIFM2	cg02100629	rs6480431	G	A	-0.231	0.030	0.185	9.98E-15	0.004	0.003	0.163	0.016	59.868	TRUE	4.48E-14
FEV1	AIFM2	cg02100629	rs884195	T	A	0.203	0.037	0.122	3.20E-08	0.001	0.004	0.707	0.008	30.565	TRUE	4.78E-08
FEV1	AIFM2	cg02308884	rs2394643	T	C	-0.347	0.023	0.405	2.13E-50	0.005	0.003	0.039	0.057	222.761	TRUE	9.84E-48
FEV1	AIFM2	cg02308884	rs75804426	A	T	-0.175	0.028	0.234	2.24E-10	0.002	0.003	0.496	0.011	40.221	TRUE	4.50E-10
FEV1	AIFM2	cg03087610	rs2310991	A	C	-0.270	0.023	0.421	8.40E-32	0.006	0.002	0.013	0.036	137.642	TRUE	5.89E-30
FEV1	AIFM2	cg04859918	rs10823504	A	G	-0.394	0.048	0.059	4.27E-16	0.011	0.005	0.025	0.018	66.074	TRUE	4.13E-15
FEV1	AIFM2	cg04859918	rs112800240	T	C	-0.292	0.051	0.052	7.44E-09	0.007	0.005	0.145	0.009	33.397	TRUE	2.10E-08
FEV1	AIFM2	cg04859918	rs113487866	T	G	0.414	0.059	0.044	1.86E-12	0.009	0.006	0.115	0.013	49.601	TRUE	7.78E-12
FEV1	AIFM2	cg04859918	rs1904589	T	C	-0.162	0.023	0.450	5.12E-12	0.005	0.002	0.042	0.013	47.614	TRUE	2.71E-11
FEV1	AIFM2	cg04859918	rs2310991	A	C	-0.441	0.023	0.421	5.33E-82	0.006	0.002	0.013	0.090	367.714	TRUE	8.60E-77
FEV1	AIFM2	cg04859918	rs2894110	C	T	-0.357	0.039	0.100	3.77E-20	0.002	0.004	0.668	0.022	84.491	TRUE	1.16E-19
FEV1	AIFM2	cg13216961	rs10999151	A	G	-0.182	0.024	0.397	1.74E-14	0.002	0.002	0.458	0.016	58.771	TRUE	4.77E-14
FEV1	AIFM2	cg15779600	rs1043884	C	A	-0.164	0.026	0.277	2.63E-10	0.002	0.003	0.472	0.011	39.910	TRUE	5.33E-10
FEV1	AIFM2	cg15779600	rs10762357	C	T	0.176	0.024	0.419	1.09E-13	-0.001	0.002	0.642	0.015	55.169	TRUE	2.29E-13

FEV1	AIFM2	cg15779600	rs15801	T	C	-0.439	0.023	0.404	1.37E-80	0.005	0.002	0.032	0.089	361.236	TRUE	9.43E-76
FEV1	AIFM2	cg17446739	rs10823504	A	G	-0.327	0.049	0.059	1.77E-11	0.011	0.005	0.025	0.012	45.181	TRUE	1.04E-10
FEV1	AIFM2	cg17446739	rs4747009	C	T	-0.166	0.030	0.186	4.61E-08	0.004	0.003	0.202	0.008	29.857	TRUE	1.11E-07
FEV1	AIFM2	cg17446739	rs6480442	T	C	-0.596	0.023	0.379	7.38E-149	0.004	0.002	0.099	0.154	674.836	TRUE	1.38E-137
FEV1	AIFM2	cg17446739	rs7074416	G	A	-0.147	0.023	0.450	3.69E-10	0.004	0.002	0.059	0.010	39.251	TRUE	1.46E-09
FEV1	AIFM2	cg18061319	rs10999251	C	T	0.154	0.024	0.345	2.79E-10	-0.007	0.003	0.003	0.011	39.792	TRUE	2.18E-09
FEV1	AIFM2	cg18061319	rs12354675	T	C	-0.264	0.028	0.232	4.36E-21	-0.001	0.003	0.628	0.023	88.754	TRUE	1.47E-20
FEV1	AIFM2	cg18061319	rs15801	T	C	-0.593	0.023	0.404	1.27E-151	0.005	0.002	0.032	0.157	687.549	TRUE	1.55E-139
FEV1	AIFM2	cg18061319	rs1904589	T	C	-0.197	0.023	0.450	3.99E-17	0.005	0.002	0.042	0.019	70.745	TRUE	3.54E-16
FEV1	AIFM2	cg18061319	rs3750779	T	C	-0.171	0.026	0.263	6.12E-11	0.010	0.003	1.35E-04	0.011	42.760	TRUE	8.37E-10
FEV1	AIFM2	cg18061319	rs58667031	T	C	0.320	0.057	0.047	2.52E-08	0.009	0.006	0.110	0.008	31.026	TRUE	7.33E-08
FEV1	AIFM2	cg18061319	rs7077793	T	C	0.280	0.044	0.077	2.57E-10	-0.010	0.004	0.023	0.011	39.954	TRUE	1.34E-09
FEV1	AIFM2	cg18061319	rs7897538	A	C	-0.197	0.033	0.147	2.42E-09	0.007	0.003	0.041	0.010	35.579	TRUE	1.01E-08
FEV1	AIFM2	cg18204930	rs10999152	A	T	0.187	0.032	0.161	6.05E-09	0.003	0.003	0.312	0.009	33.800	TRUE	1.33E-08
FEV1	AIFM2	cg18204930	rs6480442	T	C	-0.172	0.024	0.379	4.69E-13	0.004	0.002	0.099	0.014	52.304	TRUE	2.19E-12
FEV1	AIFM2	cg18204930	rs7921649	T	G	0.476	0.035	0.124	1.76E-42	0.001	0.003	0.751	0.048	186.497	TRUE	3.11E-41
FEV1	AIFM2	cg18204930	rs868075	A	G	0.197	0.034	0.139	1.01E-08	0.001	0.003	0.710	0.009	32.806	TRUE	1.54E-08
FEV1	AIFM2	cg20241658	rs10999231	T	C	-0.161	0.025	0.309	2.03E-10	-0.004	0.003	0.162	0.011	40.412	TRUE	6.50E-10
FEV1	AIFM2	cg20241658	rs112758586	A	C	0.342	0.057	0.048	2.56E-09	0.008	0.006	0.141	0.009	35.472	TRUE	7.59E-09
FEV1	AIFM2	cg20241658	rs2310991	A	C	-0.485	0.023	0.421	3.91E-100	0.006	0.002	0.013	0.109	450.976	TRUE	2.48E-93
FEV1	AIFM2	cg20241658	rs7897538	A	C	-0.185	0.033	0.147	2.19E-08	0.007	0.003	0.041	0.008	31.305	TRUE	8.17E-08
FEV1	AIFM2	cg25502086	rs10762357	C	T	0.174	0.024	0.419	2.53E-13	-0.001	0.002	0.642	0.014	53.518	TRUE	5.21E-13
FEV1	AIFM2	cg25502086	rs10762363	A	C	-0.240	0.024	0.396	6.00E-24	0.003	0.002	0.194	0.027	101.792	TRUE	5.48E-23
FEV1	AIFM2	cg25502086	rs10823504	A	G	-0.292	0.049	0.059	1.93E-09	0.011	0.005	0.025	0.010	36.022	TRUE	9.00E-09
FEV1	AIFM2	cg25502086	rs10999318	C	A	0.183	0.023	0.492	5.09E-15	-0.003	0.002	0.142	0.016	61.193	TRUE	2.48E-14
FEV1	AIFM2	cg25502086	rs28391623	A	G	-0.635	0.022	0.403	1.58E-175	0.005	0.002	0.030	0.177	797.420	TRUE	2.90E-160
FEV1	AIFM2	cg25502086	rs34931480	T	C	-0.179	0.027	0.237	6.98E-11	0.010	0.003	4.90E-04	0.011	42.503	TRUE	7.84E-10
FEV1	AIFM2	cg25502086	rs4747009	C	T	-0.197	0.030	0.186	8.87E-11	0.004	0.003	0.202	0.011	42.033	TRUE	2.67E-10
FEV1	AIFM2	cg25502086	rs6480451	A	G	0.269	0.045	0.075	2.63E-09	-0.008	0.005	0.073	0.009	35.418	TRUE	9.38E-09
FEV1	AIFM2	cg25502086	rs7897538	A	C	-0.200	0.033	0.147	1.31E-09	0.007	0.003	0.041	0.010	36.779	TRUE	5.59E-09
FEV1	AIFM2	cg26699283	rs10999245	T	C	-0.339	0.027	0.263	8.75E-37	-0.001	0.003	0.746	0.042	160.425	TRUE	9.04E-36
FEV1	AIFM2	cg26699283	rs12253314	T	A	0.178	0.025	0.340	3.66E-13	-0.008	0.003	0.002	0.014	52.787	TRUE	4.42E-12
FEV1	AIFM2	cg26699283	rs3750779	T	C	-0.190	0.026	0.263	4.16E-13	0.010	0.003	1.35E-04	0.014	52.537	TRUE	7.97E-12
FEV1	AIFM2	cg26699283	rs4746965	C	T	-0.643	0.023	0.391	1.46E-173	0.003	0.002	0.233	0.176	788.382	TRUE	1.22E-159
FEV1	AIFM2	cg26699283	rs4747009	C	T	-0.186	0.030	0.186	8.58E-10	0.004	0.003	0.202	0.010	37.604	TRUE	2.38E-09
FEV1	AIFM2	cg26699283	rs6480431	G	A	-0.173	0.030	0.185	7.55E-09	0.004	0.003	0.163	0.009	33.370	TRUE	2.06E-08
FEV1	AIFM2	cg26699283	rs7074416	G	A	-0.189	0.023	0.450	7.74E-16	0.004	0.002	0.059	0.017	64.899	TRUE	5.31E-15
FEV1	AIFM2	cg26699283	rs71480649	T	C	-0.439	0.064	0.034	8.02E-12	0.007	0.007	0.333	0.012	46.736	TRUE	2.13E-11
FEV1	AIFM2	cg26699283	rs7897538	A	C	-0.185	0.033	0.147	2.33E-08	0.007	0.003	0.041	0.008	31.181	TRUE	8.68E-08
FEV1	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	0.000	0.003	0.977	0.012	43.544	TRUE	5.71E-11
FEV1	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	-0.005	0.006	0.331	0.041	156.423	TRUE	1.32E-34
FEV1	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	-0.005	0.004	0.267	0.031	119.299	TRUE	9.53E-27

FEV1	AKT1	cg01921845	rs2494733	G	C	-0.756	0.023	0.321	6.44E-232	-0.009	0.003	1.91E-04	0.222	1056.685	TRUE	6.11E-206
FEV1	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	0.001	0.005	0.786	0.012	43.327	TRUE	7.34E-11
FEV1	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	-0.005	0.003	0.067	0.037	141.017	TRUE	5.83E-31
FEV1	AKT1	cg02072813	rs45490496	A	T	0.144	0.024	0.400	3.21E-09	-0.001	0.002	0.632	0.009	35.034	TRUE	5.41E-09
FEV1	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	-0.011	0.003	3.70E-04	0.016	58.597	TRUE	3.95E-13
FEV1	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	-0.002	0.006	0.727	0.010	38.610	TRUE	8.27E-10
FEV1	AKT1	cg02884928	rs117082627	A	G	-0.793	0.119	0.011	3.21E-11	0.006	0.012	0.631	0.012	44.020	TRUE	5.99E-11
FEV1	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	-0.010	0.008	0.199	0.019	70.217	TRUE	2.58E-16
FEV1	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	-0.006	0.005	0.192	0.152	661.492	TRUE	2.13E-135
FEV1	AKT1	cg02884928	rs3001410	T	C	-0.206	0.030	0.205	4.76E-12	-0.003	0.003	0.331	0.013	47.756	TRUE	1.28E-11
FEV1	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	0.000	0.003	0.870	0.070	276.632	TRUE	5.19E-60
FEV1	AKT1	cg04820159	rs2494742	C	G	-0.432	0.044	0.076	4.43E-23	-0.005	0.005	0.287	0.026	97.834	TRUE	3.03E-22
FEV1	AKT1	cg04820159	rs36214921	C	G	0.272	0.026	0.300	4.70E-26	0.000	0.003	0.908	0.029	111.396	TRUE	1.60E-25
FEV1	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	0.000	0.003	0.978	0.023	88.465	TRUE	1.16E-20
FEV1	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	-0.002	0.002	0.548	0.012	45.134	TRUE	3.76E-11
FEV1	AKT1	cg12100463	rs61758556	T	A	-0.246	0.036	0.142	8.26E-12	-0.002	0.003	0.551	0.012	46.677	TRUE	1.71E-11
FEV1	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	-0.005	0.004	0.280	0.010	36.908	TRUE	2.96E-09
FEV1	AKT1	cg12789068	rs118174518	C	G	-2.123	0.108	0.012	2.02E-86	-0.002	0.009	0.803	0.095	388.011	TRUE	1.31E-82
FEV1	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	0.000	0.004	0.927	0.009	33.914	TRUE	7.59E-09
FEV1	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	-0.002	0.003	0.632	0.008	31.381	TRUE	3.37E-08
FEV1	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	0.000	0.004	0.970	0.015	57.467	TRUE	5.36E-14
FEV1	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	-0.008	0.004	0.056	0.013	48.421	TRUE	1.74E-11
FEV1	AKT1	cg13986355	rs2498786	C	G	0.147	0.024	0.392	1.13E-09	-0.002	0.002	0.490	0.010	37.063	TRUE	2.21E-09
FEV1	AKT1	cg14184729	rs35455320	G	C	-0.216	0.036	0.117	1.90E-09	-0.012	0.004	0.001	0.010	36.055	TRUE	1.51E-08
FEV1	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	-0.009	0.003	8.52E-04	0.046	176.802	TRUE	1.53E-37
FEV1	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	-0.002	0.006	0.727	0.009	34.600	TRUE	6.20E-09
FEV1	AKT1	cg14274357	rs117082627	A	G	-0.809	0.119	0.011	1.30E-11	0.006	0.012	0.631	0.012	45.786	TRUE	2.48E-11
FEV1	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	-0.010	0.008	0.199	0.022	81.931	TRUE	8.48E-19
FEV1	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	-0.006	0.005	0.187	0.172	768.220	TRUE	1.07E-155
FEV1	AKT1	cg14274357	rs3001410	T	C	-0.195	0.030	0.205	6.09E-11	-0.003	0.003	0.331	0.011	42.770	TRUE	1.51E-10
FEV1	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.004	0.004	0.385	0.008	30.293	TRUE	7.18E-08
FEV1	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	0.000	0.003	0.870	0.072	285.448	TRUE	8.02E-62
FEV1	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	-0.010	0.003	5.43E-04	0.011	41.425	TRUE	1.29E-09
FEV1	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	-0.002	0.002	0.502	0.101	413.893	TRUE	1.82E-87
FEV1	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	-0.005	0.003	0.067	0.008	30.375	TRUE	1.14E-07
FEV1	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	-0.007	0.003	0.004	0.014	52.272	TRUE	5.36E-12
FEV1	AKT1	cg18426060	rs45490496	A	T	-0.392	0.024	0.400	9.67E-61	-0.001	0.002	0.632	0.068	270.173	TRUE	1.89E-58
FEV1	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	-0.002	0.002	0.502	0.016	61.080	TRUE	1.43E-14
FEV1	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	-0.005	0.003	0.067	0.021	80.776	TRUE	2.37E-18
FEV1	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	-0.003	0.003	0.418	0.020	75.339	TRUE	1.43E-17
FEV1	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	-0.010	0.003	9.32E-04	0.118	494.977	TRUE	3.09E-101
FEV1	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	0.000	0.003	0.991	0.010	37.335	TRUE	1.27E-09

FEV1	AKT1	cg23176538	rs3803304	G	C	0.517	0.026	0.254	4.32E-87	-0.010	0.003	3.18E-04	0.096	391.088	TRUE	1.48E-80
FEV1	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	0.007	0.002	0.002	0.015	55.388	TRUE	1.27E-12
FEV1	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	-0.012	0.004	0.001	0.012	44.314	TRUE	2.95E-10
FEV1	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	-0.006	0.004	0.115	0.010	35.929	TRUE	6.51E-09
FEV1	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	0.008	0.002	0.002	0.050	194.325	TRUE	2.82E-41
FEV1	AKT1	cg26023960	rs71421880	A	T	-0.776	0.036	0.106	5.60E-105	-0.012	0.004	0.002	0.113	473.227	TRUE	3.99E-97
FEV1	AKT1	cg26099837	rs45490496	A	T	0.139	0.024	0.400	5.85E-09	-0.001	0.002	0.632	0.009	33.867	TRUE	9.73E-09
FEV1	ALOX15	cg03972219	rs11078528	A	G	0.290	0.026	0.283	1.14E-29	0.000	0.003	0.902	0.033	127.906	TRUE	5.04E-29
FEV1	ALOX15	cg03972219	rs371029929	C	A	-0.287	0.027	0.254	2.37E-26	0.005	0.003	0.063	0.030	112.755	TRUE	4.73E-25
FEV1	ALOX15	cg05715138	rs34230287	T	C	0.184	0.028	0.240	3.93E-11	0.006	0.003	0.026	0.012	43.627	TRUE	2.18E-10
FEV1	ALOX15	cg11334406	rs9905711	G	A	-0.182	0.027	0.259	1.57E-11	0.005	0.003	0.063	0.012	45.424	TRUE	7.17E-11
FEV1	ALOX15	cg22249932	rs11078528	A	G	0.194	0.026	0.283	6.32E-14	0.000	0.003	0.902	0.015	56.238	TRUE	1.05E-13
FEV1	ALOX15	cg22280258	rs11568061	A	G	0.155	0.028	0.245	1.72E-08	0.006	0.003	0.036	0.009	31.772	TRUE	6.66E-08
FEV1	ALOX15	cg22280258	rs2664592	G	C	-0.229	0.038	0.230	1.37E-09	-0.004	0.003	0.176	0.010	36.686	TRUE	3.87E-09
FEV1	ALOX15	cg22280258	rs9890673	A	G	-0.398	0.059	0.043	1.86E-11	-0.007	0.005	0.218	0.012	45.086	TRUE	5.68E-11
FEV1	AP1G1	cg05493952	rs8058188	G	A	-0.160	0.027	0.264	2.96E-09	0.004	0.003	0.160	0.009	35.192	TRUE	8.47E-09
FEV1	AP1G1	cg10085824	rs11075901	A	C	-0.259	0.031	0.169	1.79E-16	0.009	0.003	0.004	0.018	67.788	TRUE	2.85E-15
FEV1	AP1G1	cg10085824	rs11649535	G	A	-0.216	0.032	0.165	1.21E-11	-0.004	0.003	0.242	0.012	45.925	TRUE	3.67E-11
FEV1	AP1G1	cg10085824	rs1774414	T	C	0.144	0.026	0.260	4.78E-08	0.001	0.003	0.691	0.008	29.786	TRUE	7.19E-08
FEV1	AP1G1	cg10085824	rs2270832	A	G	0.443	0.024	0.353	7.52E-77	0.005	0.002	0.046	0.085	344.077	TRUE	2.27E-72
FEV1	AP1G1	cg10085824	rs4788541	T	C	0.182	0.025	0.355	2.64E-13	0.003	0.003	0.179	0.014	53.430	TRUE	9.94E-13
FEV1	AP1G1	cg10085824	rs62055044	T	G	0.311	0.054	0.049	7.44E-09	-0.001	0.005	0.844	0.009	33.397	TRUE	1.04E-08
FEV1	AP1G1	cg10085824	rs6558	C	G	-0.216	0.035	0.134	6.08E-10	0.004	0.003	0.281	0.010	38.274	TRUE	1.52E-09
FEV1	AP1G1	cg10085824	rs7203606	C	A	-0.204	0.033	0.141	7.32E-10	-0.010	0.003	0.003	0.010	37.914	TRUE	5.16E-09
FEV1	AP1G1	cg10085824	rs806735	T	C	0.192	0.029	0.196	7.02E-11	0.001	0.003	0.772	0.011	42.492	TRUE	1.15E-10
FEV1	AP1G1	cg10085824	rs9940728	A	C	0.152	0.024	0.481	1.26E-10	0.002	0.002	0.507	0.011	41.347	TRUE	2.59E-10
FEV1	AP1G1	cg10407113	rs9932707	C	A	0.184	0.023	0.455	3.52E-15	-0.002	0.002	0.382	0.016	61.917	TRUE	1.11E-14
FEV1	AP1G1	cg13701124	rs35981926	T	A	0.234	0.034	0.131	8.85E-12	-0.008	0.004	0.025	0.012	46.542	TRUE	5.39E-11
FEV1	AP1M2	cg01562385	rs12609501	G	T	0.288	0.025	0.294	8.29E-31	0.005	0.003	0.058	0.035	133.100	TRUE	2.88E-29
FEV1	AP1M2	cg01562385	rs34516961	G	A	0.223	0.031	0.158	1.27E-12	0.008	0.003	0.010	0.013	50.342	TRUE	1.02E-11
FEV1	AP1M2	cg01562385	rs7252007	T	C	-0.238	0.033	0.145	9.34E-13	0.002	0.003	0.485	0.014	50.951	TRUE	2.17E-12
FEV1	AP1M2	cg01654627	rs78671428	T	G	-0.451	0.041	0.082	8.23E-28	0.004	0.004	0.285	0.031	119.413	TRUE	8.60E-27
FEV1	AP1M2	cg07434260	rs10409805	C	A	0.264	0.031	0.188	7.04E-18	-0.012	0.003	6.90E-05	0.020	74.164	TRUE	3.18E-16
FEV1	AP1M2	cg07434260	rs10411063	A	G	-0.424	0.033	0.144	7.09E-37	0.002	0.003	0.506	0.042	160.842	TRUE	1.08E-35
FEV1	AP1M2	cg07434260	rs11085734	A	G	0.141	0.024	0.498	2.39E-09	-0.005	0.002	0.043	0.010	35.611	TRUE	9.79E-09
FEV1	AP1M2	cg07434260	rs114238717	T	C	0.395	0.069	0.028	1.03E-08	0.014	0.007	0.039	0.009	32.757	TRUE	4.04E-08
FEV1	AP1M2	cg07434260	rs147622113	T	C	-0.419	0.073	0.029	8.70E-09	0.014	0.007	0.053	0.009	33.094	TRUE	3.14E-08
FEV1	AP1M2	cg07434260	rs28600132	G	T	0.173	0.024	0.396	1.25E-12	0.010	0.002	1.35E-05	0.013	50.382	TRUE	3.27E-11
FEV1	AP1M2	cg07434260	rs4804540	A	T	0.233	0.035	0.121	4.81E-11	-0.002	0.004	0.504	0.012	43.230	TRUE	9.97E-11
FEV1	AP1M2	cg07434260	rs59614858	T	G	-0.324	0.051	0.053	2.81E-10	0.004	0.005	0.421	0.011	39.783	TRUE	5.99E-10
FEV1	AP1M2	cg07434260	rs7258256	G	A	0.346	0.025	0.296	5.47E-44	0.005	0.003	0.032	0.050	193.396	TRUE	1.25E-41
FEV1	AP1M2	cg07434260	rs78256348	T	C	-0.249	0.030	0.199	3.93E-17	0.002	0.003	0.519	0.019	70.772	TRUE	1.17E-16

FEV1	AP1M2	cg08148553	rs10408934	A	G	-0.269	0.031	0.165	1.02E-17	0.001	0.003	0.752	0.019	73.440	TRUE	2.45E-17
FEV1	AP1M2	cg08148553	rs10411063	A	G	-0.488	0.033	0.144	1.13E-48	0.002	0.003	0.506	0.055	214.851	TRUE	6.07E-47
FEV1	AP1M2	cg08148553	rs11085734	A	G	0.161	0.024	0.498	7.68E-12	-0.005	0.002	0.043	0.012	46.820	TRUE	4.10E-11
FEV1	AP1M2	cg08148553	rs12609501	G	T	0.516	0.025	0.294	2.08E-97	0.005	0.003	0.058	0.106	438.462	TRUE	2.59E-91
FEV1	AP1M2	cg08148553	rs150696463	T	C	0.438	0.068	0.030	1.50E-10	0.012	0.007	0.058	0.011	41.007	TRUE	6.38E-10
FEV1	AP1M2	cg08148553	rs1821280	A	G	0.216	0.030	0.192	1.16E-12	-0.011	0.003	1.78E-04	0.013	50.529	TRUE	2.14E-11
FEV1	AP1M2	cg08148553	rs34516961	G	A	0.325	0.032	0.158	5.76E-25	0.008	0.003	0.010	0.028	106.434	TRUE	1.92E-23
FEV1	AP1M2	cg08148553	rs3786717	C	T	-0.146	0.023	0.437	3.56E-10	0.006	0.002	0.012	0.011	39.320	TRUE	2.09E-09
FEV1	AP1M2	cg08148553	rs73496568	A	C	-0.280	0.029	0.203	1.30E-21	0.002	0.003	0.531	0.024	91.147	TRUE	5.31E-21
FEV1	AP1M2	cg08148553	rs73500697	A	G	-0.303	0.050	0.055	1.73E-09	0.003	0.005	0.508	0.010	36.237	TRUE	3.24E-09
FEV1	AP1M2	cg11657665	rs12985734	G	A	-0.289	0.025	0.294	9.64E-31	0.005	0.003	0.066	0.035	132.800	TRUE	3.05E-29
FEV1	AP1M2	cg11657665	rs187371841	T	C	-0.516	0.040	0.088	8.63E-38	0.005	0.004	0.229	0.043	165.026	TRUE	2.79E-36
FEV1	AP1M2	cg11657665	rs34883264	T	A	-0.153	0.025	0.324	6.02E-10	0.002	0.003	0.545	0.010	38.293	TRUE	1.12E-09
FEV1	AP1M2	cg11657665	rs35769432	A	G	0.572	0.030	0.192	3.85E-82	-0.011	0.003	1.66E-04	0.091	368.361	TRUE	7.25E-76
FEV1	AP1M2	cg11657665	rs76186695	T	G	0.269	0.030	0.195	1.01E-19	0.006	0.003	0.062	0.022	82.543	TRUE	1.01E-18
FEV1	AP1M2	cg11657665	rs77357022	A	G	-0.290	0.043	0.074	2.54E-11	0.006	0.004	0.178	0.012	44.475	TRUE	8.29E-11
FEV1	AP1M2	cg14985481	rs12985734	G	A	0.149	0.025	0.294	1.75E-09	0.005	0.003	0.066	0.010	36.210	TRUE	6.50E-09
FEV1	AP1M2	cg14985481	rs4804509	G	A	-0.306	0.030	0.188	2.63E-24	-0.012	0.003	4.20E-05	0.027	103.422	TRUE	3.36E-22
FEV1	AP1M2	cg15555932	rs10411063	A	G	-0.618	0.033	0.144	2.08E-78	0.002	0.003	0.506	0.087	351.226	TRUE	7.23E-75
FEV1	AP1M2	cg15555932	rs10422687	G	C	0.350	0.031	0.187	2.57E-30	-0.012	0.003	5.68E-05	0.034	130.855	TRUE	7.46E-28
FEV1	AP1M2	cg15555932	rs11085734	A	G	0.174	0.024	0.498	1.38E-13	-0.005	0.002	0.043	0.015	54.697	TRUE	8.85E-13
FEV1	AP1M2	cg15555932	rs11671812	T	C	-0.434	0.055	0.044	2.38E-15	0.006	0.005	0.265	0.017	62.687	TRUE	9.08E-15
FEV1	AP1M2	cg15555932	rs12609501	G	T	0.533	0.025	0.294	6.65E-105	0.005	0.003	0.058	0.113	472.882	TRUE	4.05E-98
FEV1	AP1M2	cg15555932	rs12710257	A	G	-0.207	0.028	0.219	2.91E-13	0.007	0.003	0.010	0.014	53.236	TRUE	2.65E-12
FEV1	AP1M2	cg15555932	rs147622113	T	C	-0.428	0.073	0.029	4.32E-09	0.014	0.007	0.053	0.009	34.455	TRUE	1.61E-08
FEV1	AP1M2	cg15555932	rs150696463	T	C	0.571	0.068	0.030	5.85E-17	0.012	0.007	0.058	0.019	69.990	TRUE	4.69E-16
FEV1	AP1M2	cg15555932	rs1799898	T	C	0.211	0.034	0.137	3.74E-10	0.000	0.003	0.972	0.010	39.222	TRUE	4.99E-10
FEV1	AP1M2	cg15555932	rs34516961	G	A	0.349	0.031	0.158	1.34E-28	0.008	0.003	0.010	0.032	123.012	TRUE	6.88E-27
FEV1	AP1M2	cg15555932	rs3745255	A	G	-0.288	0.025	0.340	1.72E-30	0.000	0.003	0.890	0.034	131.651	TRUE	8.17E-30
FEV1	AP1M2	cg15555932	rs4804521	A	G	-0.513	0.080	0.021	1.69E-10	0.003	0.008	0.717	0.011	40.769	TRUE	2.82E-10
FEV1	AP1M2	cg16589555	rs12710256	C	T	-0.395	0.052	0.059	2.68E-14	-0.002	0.005	0.674	0.015	57.924	TRUE	5.70E-14
FEV1	AP1M2	cg23652172	rs8113212	A	G	-0.157	0.026	0.261	1.63E-09	0.009	0.003	0.001	0.010	36.353	TRUE	1.33E-08
FEV1	AP1M2	cg26292442	rs7248205	C	T	0.136	0.024	0.400	1.36E-08	0.013	0.002	3.49E-08	0.009	32.231	TRUE	3.06E-07
FEV1	AP1M2	cg26999505	rs12978228	T	G	-0.394	0.030	0.188	2.47E-39	-0.012	0.003	7.61E-05	0.044	172.087	TRUE	2.59E-36
FEV1	AP1M2	cg26999505	rs12985008	T	C	0.136	0.025	0.290	4.39E-08	0.005	0.003	0.040	0.008	29.953	TRUE	1.57E-07
FEV1	AP1M2	cg27104822	rs10411063	A	G	-0.289	0.033	0.144	5.18E-18	0.002	0.003	0.506	0.020	74.770	TRUE	1.66E-17
FEV1	AP1M2	cg27104822	rs12976824	G	A	0.327	0.025	0.294	2.66E-39	0.005	0.003	0.056	0.044	171.940	TRUE	2.48E-37
FEV1	AP1M2	cg27104822	rs28600132	G	T	0.155	0.024	0.396	1.89E-10	0.010	0.002	1.35E-05	0.011	40.558	TRUE	3.38E-09
FEV1	AP1M2	cg27104822	rs56135394	A	T	0.264	0.036	0.121	1.28E-13	0.006	0.004	0.080	0.015	54.848	TRUE	6.83E-13
FEV1	AP1S3	cg03341091	rs28631964	A	C	-0.207	0.024	0.379	1.92E-18	-0.005	0.002	0.032	0.020	76.725	TRUE	2.24E-17
FEV1	AP1S3	cg05103387	rs3738961	C	G	-0.140	0.024	0.379	4.06E-09	-0.005	0.002	0.062	0.009	34.574	TRUE	1.48E-08
FEV1	AP1S3	cg07813214	rs12694622	A	G	-0.296	0.024	0.380	1.21E-35	-0.005	0.002	0.045	0.040	155.209	TRUE	7.98E-34

FEV1	AP1S3	cg07813214	rs6747195	G	A	0.234	0.041	0.092	8.64E-09	-0.002	0.004	0.594	0.009	33.107	TRUE	1.45E-08
FEV1	AP1S3	cg10413944	rs35990446	A	G	0.199	0.033	0.142	1.07E-09	0.002	0.003	0.528	0.010	37.165	TRUE	1.99E-09
FEV1	AP1S3	cg10413944	rs3738961	C	G	-0.311	0.023	0.379	2.52E-40	-0.005	0.002	0.062	0.046	176.624	TRUE	2.52E-38
FEV1	AP1S3	cg10413944	rs4435445	A	G	-0.162	0.030	0.186	3.98E-08	-0.007	0.003	0.015	0.008	30.142	TRUE	1.78E-07
FEV1	AP1S3	cg17569486	rs11546405	G	A	-0.211	0.033	0.142	1.17E-10	0.002	0.003	0.553	0.011	41.499	TRUE	2.25E-10
FEV1	AP1S3	cg17569486	rs116000059	A	C	0.323	0.054	0.040	2.26E-09	-0.004	0.006	0.504	0.010	35.716	TRUE	4.23E-09
FEV1	AP1S3	cg17569486	rs11689646	T	G	0.176	0.024	0.386	1.46E-13	-0.002	0.002	0.406	0.015	54.599	TRUE	3.97E-13
FEV1	AP1S3	cg17569486	rs12373615	G	A	0.592	0.022	0.381	3.18E-153	-0.005	0.002	0.059	0.158	694.902	TRUE	3.35E-141
FEV1	AP1S3	cg17569486	rs13022532	C	G	-0.306	0.045	0.144	7.16E-12	0.004	0.003	0.183	0.013	46.959	TRUE	2.42E-11
FEV1	AP1S3	cg17569486	rs2894515	T	C	-0.202	0.037	0.109	4.96E-08	0.004	0.004	0.394	0.008	29.715	TRUE	9.48E-08
FEV1	AP1S3	cg17569486	rs3187727	T	A	-0.334	0.040	0.086	5.22E-17	0.001	0.004	0.747	0.019	70.215	TRUE	1.21E-16
FEV1	AP1S3	cg17569486	rs4435445	A	G	0.242	0.029	0.186	2.08E-16	-0.007	0.003	0.015	0.018	67.493	TRUE	2.46E-15
FEV1	AP1S3	cg17569486	rs66930439	C	A	-0.231	0.031	0.168	1.77E-13	-0.002	0.003	0.619	0.014	54.213	TRUE	3.76E-13
FEV1	AP3B1	cg05620865	rs6453381	T	C	-0.265	0.025	0.293	1.89E-26	0.008	0.003	0.002	0.030	113.206	TRUE	1.29E-24
FEV1	AP3B1	cg06844454	rs10041079	A	T	-0.199	0.025	0.312	3.72E-15	0.005	0.003	0.037	0.016	61.809	TRUE	2.87E-14
FEV1	AP3B1	cg08976646	rs13185314	T	G	-0.159	0.023	0.495	1.39E-11	0.011	0.002	3.31E-06	0.012	45.665	TRUE	3.89E-10
FEV1	AP3B1	cg08976646	rs13186263	C	G	-0.195	0.031	0.178	1.86E-10	0.004	0.003	0.239	0.011	40.585	TRUE	5.04E-10
FEV1	AP3B1	cg11100795	rs10474528	G	T	0.624	0.114	0.011	3.94E-08	0.014	0.008	0.101	0.008	30.165	TRUE	1.15E-07
FEV1	AP3B1	cg11100795	rs10514134	A	T	0.230	0.036	0.121	2.20E-10	0.003	0.004	0.418	0.011	40.260	TRUE	4.77E-10
FEV1	AP3B1	cg11100795	rs113399409	C	A	0.960	0.146	0.013	5.17E-11	0.005	0.011	0.639	0.012	43.089	TRUE	9.46E-11
FEV1	AP3B1	cg11100795	rs116646778	C	T	-0.867	0.146	0.017	2.75E-09	-0.004	0.007	0.620	0.009	35.337	TRUE	4.65E-09
FEV1	AP3B1	cg11100795	rs13158128	A	G	-0.988	0.022	0.262	<1E-200	0.006	0.003	0.030	0.358	2065.599	TRUE	<1E-200
FEV1	AP3B1	cg11100795	rs13436862	G	A	-0.749	0.117	0.023	1.35E-10	0.019	0.008	0.021	0.011	41.219	TRUE	7.43E-10
FEV1	AP3B1	cg11100795	rs2288391	G	C	-0.529	0.069	0.030	1.43E-14	0.007	0.007	0.344	0.016	59.164	TRUE	4.57E-14
FEV1	AP3B1	cg11100795	rs252797	G	T	0.265	0.036	0.120	2.10E-13	0.004	0.004	0.296	0.014	53.880	TRUE	6.63E-13
FEV1	AP3B1	cg11100795	rs34341923	C	G	-0.655	0.097	0.016	1.20E-11	0.009	0.009	0.322	0.012	45.953	TRUE	3.17E-11
FEV1	AP3B1	cg11100795	rs4551047	T	C	0.355	0.023	0.459	1.93E-52	-0.004	0.002	0.074	0.059	232.123	TRUE	8.75E-50
FEV1	AP3B1	cg11100795	rs4613678	A	T	-0.898	0.072	0.031	2.16E-35	0.016	0.007	0.023	0.040	154.055	TRUE	1.94E-33
FEV1	AP3B1	cg11100795	rs56225756	T	C	-0.166	0.024	0.483	3.30E-12	0.001	0.002	0.780	0.013	48.476	TRUE	5.76E-12
FEV1	AP3B1	cg11100795	rs57400528	A	T	0.344	0.027	0.252	1.24E-36	-0.012	0.003	1.25E-05	0.041	159.728	TRUE	1.56E-33
FEV1	AP3B1	cg11100795	rs68052233	A	G	0.372	0.028	0.215	1.36E-39	0.001	0.003	0.682	0.045	173.281	TRUE	1.98E-38
FEV1	AP3B1	cg11100795	rs6878181	G	A	-0.190	0.034	0.353	2.38E-08	0.005	0.003	0.034	0.008	31.139	TRUE	8.94E-08
FEV1	AP3B1	cg11100795	rs71634916	C	T	-0.795	0.079	0.020	1.28E-23	-0.002	0.010	0.812	0.026	100.297	TRUE	4.13E-23
FEV1	AP3B1	cg11100795	rs9293744	C	T	-0.313	0.025	0.317	6.97E-36	0.002	0.003	0.379	0.041	156.303	TRUE	1.27E-34
FEV1	AP3B1	cg26158634	rs10474528	G	T	-0.645	0.114	0.011	1.36E-08	0.014	0.008	0.101	0.009	32.226	TRUE	4.15E-08
FEV1	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	0.014	0.007	0.043	0.014	53.476	TRUE	1.57E-12
FEV1	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	-0.001	0.002	0.848	0.014	51.210	TRUE	1.38E-12
FEV1	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	-0.002	0.002	0.423	0.017	65.306	TRUE	1.96E-15
FEV1	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	0.004	0.007	0.543	0.014	51.552	TRUE	1.53E-12
FEV1	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	0.020	0.004	3.57E-07	0.024	92.082	TRUE	1.87E-19
FEV1	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	0.007	0.003	0.007	0.009	33.796	TRUE	3.35E-08
FEV1	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	0.009	0.006	0.132	0.011	42.261	TRUE	2.71E-10

FEV1	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	-0.011	0.006	0.064	0.014	52.151	TRUE	2.71E-12
FEV1	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	0.007	0.003	0.026	0.010	37.052	TRUE	5.42E-09
FEV1	AP3B2	cg14907737	rs7181761	G	A	-0.137	0.024	0.369	2.16E-08	-0.001	0.003	0.747	0.008	31.325	TRUE	3.17E-08
FEV1	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	0.000	0.008	0.976	0.037	142.831	TRUE	3.22E-32
FEV1	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	0.003	0.007	0.726	0.025	93.851	TRUE	1.09E-21
FEV1	AP3B2	cg18253757	rs4513065	G	C	0.174	0.030	0.198	4.93E-09	0.006	0.003	0.039	0.009	34.197	TRUE	2.02E-08
FEV1	AP3B2	cg18253757	rs62009945	A	T	-0.145	0.025	0.309	1.07E-08	-0.006	0.003	0.016	0.009	32.690	TRUE	4.93E-08
FEV1	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	0.012	0.003	1.81E-05	0.008	29.857	TRUE	5.33E-07
FEV1	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	-0.002	0.002	0.423	0.015	56.581	TRUE	1.45E-13
FEV1	AP3B2	cg20194856	rs4513065	G	C	0.197	0.029	0.198	2.53E-11	0.006	0.003	0.039	0.012	44.483	TRUE	1.33E-10
FEV1	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	-0.010	0.003	2.01E-04	0.008	29.766	TRUE	4.01E-07
FEV1	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	0.007	0.003	0.025	0.017	62.195	TRUE	2.68E-14
FEV1	AP3B2	cg21071896	rs12902742	A	T	0.442	0.043	0.082	2.99E-25	0.011	0.004	0.009	0.028	107.728	TRUE	1.13E-23
FEV1	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	0.016	0.010	0.088	0.113	469.497	TRUE	1.25E-97
FEV1	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	0.003	0.006	0.674	0.021	79.528	TRUE	1.33E-18
FEV1	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	0.018	0.003	3.75E-11	0.010	36.068	TRUE	9.65E-08
FEV1	AP3B2	cg21071896	rs7184045	C	G	0.231	0.025	0.340	1.72E-20	0.006	0.003	0.013	0.023	86.038	TRUE	3.27E-19
FEV1	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	-0.002	0.004	0.592	0.016	59.989	TRUE	2.23E-14
FEV1	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	0.007	0.003	0.025	0.013	48.151	TRUE	2.44E-11
FEV1	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	0.007	0.003	0.018	0.018	67.773	TRUE	1.99E-15
FEV1	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	-0.012	0.003	6.28E-06	0.013	47.149	TRUE	1.75E-10
FEV1	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	0.007	0.003	0.025	0.020	74.575	TRUE	6.72E-17
FEV1	AP3D1	cg09261902	rs2238599	C	T	-0.571	0.022	0.498	2.54E-142	0.009	0.002	2.71E-04	0.148	644.796	TRUE	9.02E-130
FEV1	AP3D1	cg09261902	rs58491369	T	C	-0.275	0.030	0.184	1.39E-19	0.006	0.003	0.060	0.022	81.918	TRUE	1.41E-18
FEV1	AP3D1	cg09261902	rs74984359	A	G	0.898	0.058	0.040	3.75E-54	-0.004	0.006	0.456	0.061	239.965	TRUE	4.52E-52
FEV1	AP3D1	cg09548694	rs35500266	T	C	-0.184	0.024	0.428	9.80E-15	-0.008	0.002	0.001	0.016	59.903	TRUE	1.54E-13
FEV1	AP3D1	cg09548694	rs73516521	C	T	0.218	0.034	0.127	2.66E-10	0.000	0.003	0.952	0.011	39.887	TRUE	3.64E-10
FEV1	AP3D1	cg09548694	rs75483641	T	C	0.495	0.031	0.161	1.20E-55	0.008	0.003	0.010	0.063	246.814	TRUE	2.72E-52
FEV1	AP3D1	cg10746224	rs2240130	A	G	-0.248	0.036	0.257	9.68E-12	-0.009	0.003	5.02E-04	0.012	46.367	TRUE	1.29E-10
FEV1	AP3D1	cg10746224	rs73916852	A	G	-0.930	0.099	0.013	3.84E-21	-0.010	0.010	0.327	0.023	89.007	TRUE	2.07E-20
FEV1	AP3D1	cg11349093	rs79847850	C	T	-0.219	0.031	0.167	3.51E-12	0.008	0.003	0.009	0.013	48.356	TRUE	2.81E-11
FEV1	AP3D1	cg17656426	rs11671102	C	G	-0.179	0.026	0.293	4.81E-12	0.005	0.003	0.059	0.013	47.736	TRUE	2.37E-11
FEV1	AP3D1	cg17656426	rs4807216	C	T	-0.219	0.033	0.140	3.37E-11	0.010	0.003	0.003	0.012	43.928	TRUE	3.05E-10
FEV1	AP3D1	cg17656426	rs62128400	A	G	0.565	0.023	0.429	8.87E-133	-0.008	0.002	5.35E-04	0.140	600.945	TRUE	1.18E-121
FEV1	AP3D1	cg17656426	rs73516521	C	T	-0.196	0.035	0.127	1.46E-08	0.000	0.003	0.952	0.009	32.087	TRUE	1.87E-08
FEV1	AP3D1	cg17656426	rs75223679	A	G	-0.276	0.032	0.168	2.07E-18	0.008	0.003	0.007	0.020	76.579	TRUE	3.75E-17
FEV1	AP3D1	cg17656426	rs886449	A	G	-0.223	0.029	0.205	2.85E-14	-0.005	0.003	0.059	0.015	57.801	TRUE	1.80E-13
FEV1	AP3D1	cg19290738	rs10418405	C	G	-0.278	0.030	0.180	6.56E-20	-0.002	0.003	0.625	0.022	83.397	TRUE	2.11E-19
FEV1	AP3D1	cg19290738	rs112415544	A	G	-0.527	0.093	0.014	1.65E-08	-0.010	0.010	0.283	0.009	31.851	TRUE	3.69E-08
FEV1	AP3D1	cg19290738	rs117473937	A	G	0.739	0.128	0.018	7.00E-09	0.004	0.010	0.682	0.009	33.516	TRUE	1.10E-08
FEV1	AP3D1	cg19290738	rs2523178	A	G	-0.278	0.026	0.290	3.59E-27	0.005	0.003	0.064	0.031	116.496	TRUE	7.76E-26
FEV1	AP3D1	cg19290738	rs7245402	A	G	-0.156	0.025	0.328	4.59E-10	0.001	0.003	0.753	0.010	38.825	TRUE	7.27E-10

FEV1	AP3D1	cg19290738	rs73512109	A	G	0.241	0.044	0.080	4.00E-08	0.003	0.004	0.453	0.008	30.132	TRUE	7.28E-08
FEV1	AP3D1	cg19290738	rs73516521	C	T	-0.296	0.034	0.127	9.22E-18	0.000	0.003	0.952	0.020	73.632	TRUE	1.79E-17
FEV1	AP3D1	cg19290738	rs74521370	A	G	0.646	0.096	0.019	1.57E-11	0.006	0.008	0.453	0.012	45.424	TRUE	3.52E-11
FEV1	AP3D1	cg19290738	rs75223679	A	G	-0.563	0.031	0.168	4.22E-74	0.008	0.003	0.007	0.082	331.465	TRUE	2.44E-69
FEV1	AP3D1	cg19290738	rs757595	T	C	-0.472	0.041	0.080	3.78E-30	0.012	0.004	0.006	0.034	130.090	TRUE	2.92E-28
FEV1	AP3D1	cg19290738	rs758287	C	T	0.904	0.018	0.428	<1E-200	-0.008	0.002	0.001	0.393	2392.083	TRUE	<1E-200
FEV1	AP3D1	cg19290738	rs886449	A	G	-0.560	0.029	0.205	2.84E-85	-0.005	0.003	0.059	0.094	382.739	TRUE	3.28E-80
FEV1	AP3D1	cg21414902	rs2018890	G	A	-0.169	0.023	0.428	6.74E-13	-0.008	0.002	6.76E-04	0.014	51.591	TRUE	9.54E-12
FEV1	AP3D1	cg22598241	rs2238612	T	C	0.383	0.023	0.499	1.71E-62	0.009	0.002	2.05E-04	0.070	278.205	TRUE	7.01E-58
FEV1	AP3D1	cg22598241	rs58491369	T	C	0.193	0.030	0.184	2.02E-10	0.006	0.003	0.060	0.011	40.423	TRUE	8.37E-10
FEV1	AP3D1	cg22598241	rs77671679	T	C	-1.273	0.060	0.035	1.60E-101	-0.001	0.006	0.938	0.110	457.351	TRUE	1.22E-96
FEV1	AP3D1	cg24185130	rs12608586	T	G	-0.545	0.091	0.014	2.40E-09	-0.010	0.010	0.303	0.010	35.596	TRUE	5.55E-09
FEV1	AP3D1	cg24185130	rs12609225	G	A	-0.565	0.027	0.234	3.43E-94	0.003	0.003	0.307	0.103	423.685	TRUE	3.80E-89
FEV1	AP3D1	cg24185130	rs7246186	A	G	-0.169	0.024	0.375	3.99E-12	0.011	0.002	1.47E-05	0.013	48.101	TRUE	1.01E-10
FEV1	AP3D1	cg27089789	rs1106861	A	G	-1.486	0.060	0.035	7.30E-135	-0.001	0.006	0.863	0.142	610.522	TRUE	1.05E-126
FEV1	AP3D1	cg27089789	rs2238612	T	C	0.137	0.023	0.499	4.38E-09	0.009	0.002	2.05E-04	0.009	34.430	TRUE	4.53E-08
FEV1	AP3M1	cg15023646	rs34885185	C	T	0.134	0.024	0.390	1.66E-08	0.004	0.002	0.094	0.009	31.843	TRUE	5.07E-08
FEV1	AP3M1	cg26469011	rs12357316	A	G	-0.203	0.023	0.498	2.60E-18	0.007	0.002	0.002	0.020	76.132	TRUE	6.54E-17
FEV1	AP3M1	cg26469011	rs143812518	T	C	-0.344	0.036	0.267	3.14E-22	-0.001	0.017	0.940	0.025	93.960	TRUE	7.98E-22
FEV1	AP3M1	cg26469011	rs4746209	T	G	-0.235	0.025	0.312	3.58E-21	0.003	0.003	0.323	0.024	89.146	TRUE	1.97E-20
FEV1	AP3M1	cg26469011	rs60942669	A	G	-0.355	0.048	0.065	1.52E-13	0.004	0.005	0.411	0.015	54.518	TRUE	4.13E-13
FEV1	AP3M1	cg26469011	rs6480719	G	T	-0.494	0.026	0.265	3.62E-82	0.005	0.003	0.044	0.091	368.485	TRUE	2.85E-77
FEV1	AP3M1	cg26469011	rs7098444	C	T	-0.134	0.024	0.409	1.30E-08	0.012	0.002	9.49E-07	0.009	32.318	TRUE	2.13E-07
FEV1	AP3M1	cg26469011	rs839696	G	A	-0.189	0.028	0.244	9.90E-12	0.003	0.003	0.273	0.012	46.323	TRUE	2.86E-11
FEV1	AP4E1	cg02338191	rs10519289	T	C	0.279	0.028	0.210	6.36E-24	0.010	0.003	4.06E-04	0.027	101.675	TRUE	4.59E-22
FEV1	AP4E1	cg05389038	rs12442028	C	T	0.315	0.040	0.093	3.37E-15	0.000	0.004	0.934	0.016	62.007	TRUE	5.80E-15
FEV1	AP4E1	cg05389038	rs12708423	G	A	-0.431	0.069	0.027	4.03E-10	-0.004	0.007	0.625	0.010	39.079	TRUE	7.11E-10
FEV1	AP4E1	cg05389038	rs142069683	T	A	0.468	0.033	0.146	4.18E-45	0.006	0.003	0.097	0.051	198.514	TRUE	5.77E-43
FEV1	AP4E1	cg05389038	rs146676154	C	T	-0.402	0.068	0.029	2.98E-09	0.003	0.007	0.645	0.009	35.180	TRUE	4.93E-09
FEV1	AP4E1	cg05389038	rs149451788	C	T	0.383	0.057	0.045	2.22E-11	-0.002	0.006	0.682	0.012	44.740	TRUE	3.98E-11
FEV1	AP4E1	cg05389038	rs150018499	A	T	0.574	0.096	0.015	2.47E-09	-0.003	0.010	0.803	0.010	35.545	TRUE	3.62E-09
FEV1	AP4E1	cg05389038	rs17523880	A	C	0.198	0.034	0.135	4.29E-09	-0.006	0.003	0.094	0.009	34.468	TRUE	1.39E-08
FEV1	AP4E1	cg05389038	rs17599340	C	T	0.356	0.029	0.203	5.61E-34	-0.009	0.003	0.002	0.038	147.588	TRUE	1.07E-31
FEV1	AP4E1	cg05389038	rs17599663	C	G	-0.538	0.065	0.030	8.30E-17	0.020	0.006	0.001	0.018	69.300	TRUE	1.85E-15
FEV1	AP4E1	cg05389038	rs2445749	T	C	-0.170	0.026	0.313	3.92E-11	0.005	0.003	0.066	0.012	43.630	TRUE	1.71E-10
FEV1	AP4E1	cg05389038	rs28621809	T	C	-0.805	0.020	0.431	<1E-200	0.007	0.002	0.004	0.304	1612.059	TRUE	2.22E-303
FEV1	AP4E1	cg05389038	rs28757162	A	G	-0.349	0.040	0.095	1.10E-18	0.009	0.004	0.019	0.021	77.822	TRUE	1.50E-17
FEV1	AP4E1	cg05389038	rs55946545	C	T	0.278	0.050	0.060	3.72E-08	-0.001	0.005	0.883	0.008	30.271	TRUE	4.93E-08
FEV1	AP4E1	cg05389038	rs56396299	T	G	-0.323	0.031	0.176	3.17E-25	-0.008	0.003	0.012	0.028	107.615	TRUE	1.11E-23
FEV1	AP4E1	cg05389038	rs59415822	C	T	-0.190	0.024	0.403	1.01E-15	-0.011	0.002	9.96E-06	0.017	64.382	TRUE	4.55E-14
FEV1	AP4E1	cg05389038	rs62018844	G	A	0.454	0.051	0.058	6.58E-19	-0.020	0.005	5.58E-05	0.021	78.844	TRUE	3.71E-17
FEV1	AP4E1	cg05389038	rs648381	C	T	0.406	0.036	0.115	3.39E-29	-0.004	0.004	0.274	0.033	125.740	TRUE	4.05E-28

FEV1	AP4E1	cg05389038	rs72727118	T	A	-0.443	0.076	0.024	5.29E-09	-0.005	0.007	0.485	0.009	34.060	TRUE	9.85E-09
FEV1	AP4E1	cg05389038	rs78196407	G	T	-0.385	0.053	0.058	2.35E-13	0.013	0.005	0.016	0.014	53.658	TRUE	1.88E-12
FEV1	AP4E1	cg05389038	rs78376852	G	A	0.187	0.032	0.148	6.56E-09	-0.009	0.003	0.007	0.009	33.642	TRUE	3.72E-08
FEV1	AP4E1	cg05389038	rs79469565	T	C	-0.278	0.050	0.105	3.20E-08	0.003	0.004	0.479	0.008	30.569	TRUE	5.75E-08
FEV1	AP4E1	cg05389038	rs8025206	C	T	-0.314	0.024	0.386	5.76E-40	0.006	0.008	0.471	0.045	174.984	TRUE	1.29E-38
FEV1	AP4E1	cg05389038	rs882299	G	A	-0.488	0.050	0.059	1.03E-22	0.008	0.005	0.121	0.025	96.166	TRUE	1.07E-21
FEV1	AP4E1	cg05389038	rs9972359	C	T	-0.216	0.024	0.417	1.54E-19	0.002	0.002	0.330	0.022	81.705	TRUE	7.45E-19
FEV1	AP4E1	cg09951650	rs10775143	C	T	-0.135	0.023	0.425	7.71E-09	-0.004	0.002	0.103	0.009	33.329	TRUE	2.38E-08
FEV1	AP4E1	cg09951650	rs111775104	T	A	0.485	0.086	0.047	1.72E-08	0.017	0.007	0.011	0.009	31.771	TRUE	8.27E-08
FEV1	AP4E1	cg09951650	rs11857513	A	G	0.398	0.070	0.026	1.16E-08	-0.003	0.007	0.636	0.009	32.528	TRUE	1.88E-08
FEV1	AP4E1	cg09951650	rs6493470	A	G	0.384	0.028	0.210	4.08E-44	0.010	0.003	3.77E-04	0.050	193.980	TRUE	5.51E-41
FEV1	AP4E1	cg21246271	rs12595627	T	C	0.138	0.024	0.343	1.08E-08	0.012	0.002	1.93E-06	0.009	32.672	TRUE	1.81E-07
FEV1	AP4E1	cg21246271	rs2614793	A	G	-0.282	0.027	0.234	7.92E-26	-0.001	0.003	0.648	0.029	110.362	TRUE	3.77E-25
FEV1	ARF1	cg06625004	rs10799420	T	C	-0.198	0.029	0.185	1.82E-11	-0.004	0.003	0.202	0.012	45.135	TRUE	5.69E-11
FEV1	ARF1	cg06625004	rs11582265	T	C	-1.280	0.041	0.073	4.57E-209	-0.011	0.004	0.010	0.205	951.613	TRUE	2.45E-188
FEV1	ARF1	cg06625004	rs12138930	G	T	-0.193	0.028	0.206	1.19E-11	0.000	0.003	0.947	0.012	45.955	TRUE	1.74E-11
FEV1	ARF1	cg06625004	rs147909101	T	C	-0.937	0.116	0.013	7.14E-16	-0.006	0.010	0.538	0.017	65.060	TRUE	1.93E-15
FEV1	ARF1	cg06625004	rs4233231	A	G	-0.168	0.024	0.412	2.78E-12	-0.003	0.002	0.241	0.013	48.812	TRUE	8.69E-12
FEV1	ARF1	cg06625004	rs493945	G	A	-0.243	0.024	0.378	2.06E-24	-0.009	0.002	4.46E-04	0.027	103.909	TRUE	1.68E-22
FEV1	ARF1	cg06625004	rs61827004	A	G	-0.266	0.033	0.153	4.55E-16	-0.003	0.003	0.359	0.018	65.945	TRUE	1.57E-15
FEV1	ARF1	cg06625004	rs7524236	T	C	0.175	0.030	0.180	9.81E-09	0.007	0.003	0.032	0.009	32.860	TRUE	4.03E-08
FEV1	ARF1	cg06625004	rs77969686	G	A	-0.516	0.056	0.035	2.33E-20	-0.011	0.006	0.063	0.023	85.443	TRUE	2.51E-19
FEV1	ARNT	cg13201342	rs114221421	A	G	0.440	0.072	0.027	1.01E-09	-0.007	0.007	0.363	0.010	37.278	TRUE	2.23E-09
FEV1	ARNT	cg13201342	rs116753436	C	T	-0.568	0.055	0.044	6.64E-25	0.008	0.005	0.113	0.028	106.149	TRUE	8.81E-24
FEV1	ARNT	cg13201342	rs11808823	G	A	-0.307	0.039	0.093	6.34E-15	0.025	0.004	8.17E-11	0.016	60.760	TRUE	1.05E-12
FEV1	ARNT	cg13201342	rs12119250	A	G	-0.496	0.049	0.059	5.28E-24	-0.020	0.005	9.27E-05	0.027	102.045	TRUE	5.50E-22
FEV1	ARNT	cg13201342	rs12143614	A	T	0.471	0.037	0.120	1.18E-36	-0.008	0.004	0.022	0.041	159.830	TRUE	1.21E-34
FEV1	ARNT	cg13201342	rs12564067	T	C	0.456	0.028	0.195	4.74E-58	0.002	0.003	0.590	0.065	257.834	TRUE	7.03E-56
FEV1	ARNT	cg13201342	rs183915452	A	G	0.313	0.047	0.071	1.92E-11	-0.004	0.005	0.391	0.012	45.027	TRUE	4.64E-11
FEV1	ARNT	cg13201342	rs34542152	T	C	0.346	0.051	0.058	8.18E-12	-0.002	0.005	0.640	0.012	46.698	TRUE	1.55E-11
FEV1	ARNT	cg13201342	rs35531650	A	C	0.436	0.068	0.033	1.54E-10	0.004	0.006	0.543	0.011	40.955	TRUE	3.00E-10
FEV1	ARNT	cg13201342	rs35550545	A	G	0.279	0.041	0.091	6.77E-12	0.004	0.004	0.273	0.013	47.068	TRUE	1.93E-11
FEV1	ARNT	cg13201342	rs35661734	C	T	-0.574	0.085	0.041	1.61E-11	0.011	0.006	0.067	0.012	45.366	TRUE	7.30E-11
FEV1	ARNT	cg13201342	rs525676	T	C	0.382	0.064	0.038	2.91E-09	-0.009	0.006	0.147	0.009	35.223	TRUE	8.51E-09
FEV1	ARNT	cg13201342	rs56661631	T	C	0.330	0.025	0.333	5.06E-41	-0.015	0.003	1.59E-09	0.046	179.815	TRUE	9.11E-37
FEV1	ARNT	cg13201342	rs59942146	A	G	-0.490	0.081	0.056	1.19E-09	0.011	0.005	0.037	0.010	36.963	TRUE	5.20E-09
FEV1	ARNT	cg13201342	rs6657461	T	A	-0.445	0.029	0.203	2.46E-53	0.002	0.003	0.468	0.060	236.224	TRUE	2.58E-51
FEV1	ARNT	cg13201342	rs6661135	T	C	-0.676	0.046	0.067	6.58E-49	0.009	0.005	0.053	0.055	215.931	TRUE	2.15E-46
FEV1	ARNT	cg13201342	rs67450539	T	C	0.253	0.040	0.093	2.29E-10	-0.011	0.004	0.009	0.011	40.184	TRUE	1.48E-09
FEV1	ARNT	cg13201342	rs72692765	G	C	-0.322	0.052	0.055	5.53E-10	0.001	0.005	0.889	0.010	38.458	TRUE	7.80E-10
FEV1	ARNT	cg13201342	rs72708423	C	T	-0.482	0.030	0.209	5.29E-58	0.016	0.003	3.90E-08	0.065	257.616	TRUE	1.41E-52
FEV1	ARNT	cg13201342	rs72710106	A	C	-0.271	0.023	0.452	1.95E-31	0.003	0.002	0.159	0.035	135.971	TRUE	4.18E-30

FEV1	ARNT	cg13201342	rs7524620	G	A	-0.823	0.021	0.401	<1E-200	0.015	0.002	6.72E-10	0.298	1570.999	TRUE	1.17E-291
FEV1	ARNT	cg13201342	rs77058047	A	G	0.237	0.030	0.197	1.05E-15	-0.009	0.003	0.002	0.017	64.297	TRUE	1.95E-14
FEV1	ARRB2	cg00122941	rs11078528	A	G	-0.201	0.026	0.283	6.66E-15	0.000	0.003	0.902	0.016	60.663	TRUE	1.17E-14
FEV1	ARRB2	cg00122941	rs11568148	T	C	0.822	0.127	0.022	9.32E-11	-0.007	0.009	0.431	0.011	41.937	TRUE	2.05E-10
FEV1	ARRB2	cg00122941	rs12150491	C	T	-0.190	0.033	0.357	9.28E-09	-0.004	0.003	0.101	0.009	32.968	TRUE	2.81E-08
FEV1	ARRB2	cg00122941	rs12450565	T	C	0.201	0.029	0.212	2.12E-12	0.003	0.003	0.252	0.013	49.342	TRUE	6.56E-12
FEV1	ARRB2	cg00122941	rs17765093	T	C	0.264	0.026	0.284	2.87E-24	0.003	0.003	0.250	0.027	103.253	TRUE	2.36E-23
FEV1	ARRB2	cg00122941	rs34230287	T	C	0.744	0.026	0.240	2.03E-174	0.006	0.003	0.026	0.176	792.326	TRUE	3.02E-159
FEV1	ARRB2	cg02286380	rs11078528	A	G	0.261	0.026	0.283	3.20E-24	0.000	0.003	0.902	0.027	103.035	TRUE	9.64E-24
FEV1	ARRB2	cg02286380	rs11568061	A	G	-0.934	0.023	0.245	<1E-200	0.006	0.003	0.036	0.301	1590.258	TRUE	4.99E-301
FEV1	ARRB2	cg02286380	rs11568148	T	C	-0.762	0.127	0.022	2.01E-09	-0.007	0.009	0.431	0.010	35.942	TRUE	4.06E-09
FEV1	ARRB2	cg02286380	rs12150153	T	C	-0.192	0.031	0.177	4.28E-10	0.001	0.003	0.820	0.010	38.958	TRUE	6.45E-10
FEV1	ARRB2	cg02286380	rs12150491	C	T	0.206	0.033	0.357	5.46E-10	-0.004	0.003	0.101	0.010	38.486	TRUE	1.85E-09
FEV1	ARRB2	cg02286380	rs12450540	A	C	0.216	0.038	0.410	1.05E-08	-0.003	0.003	0.230	0.009	32.734	TRUE	2.48E-08
FEV1	ARRB2	cg02286380	rs12450565	T	C	-0.239	0.029	0.212	6.37E-17	0.003	0.003	0.252	0.019	69.822	TRUE	2.80E-16
FEV1	ARRB2	cg02286380	rs17765093	T	C	-0.316	0.026	0.284	3.79E-34	0.003	0.003	0.250	0.039	148.368	TRUE	7.96E-33
FEV1	ARRB2	cg02286380	rs1876444	T	C	-0.273	0.023	0.465	7.77E-32	0.001	0.002	0.838	0.036	137.797	TRUE	4.57E-31
FEV1	ARRB2	cg02286380	rs4790222	T	A	0.381	0.046	0.070	1.07E-16	-0.009	0.004	0.030	0.018	68.802	TRUE	1.03E-15
FEV1	ARRB2	cg02286380	rs7221871	A	G	0.180	0.024	0.347	1.46E-13	0.001	0.002	0.572	0.015	54.594	TRUE	3.34E-13
FEV1	ARRB2	cg02286380	rs77627231	T	C	0.249	0.044	0.152	1.93E-08	0.000	0.003	0.956	0.008	31.546	TRUE	2.46E-08
FEV1	ARRB2	cg07971820	rs11078528	A	G	0.216	0.026	0.283	5.38E-17	0.000	0.003	0.902	0.019	70.154	TRUE	1.05E-16
FEV1	ARRB2	cg07971820	rs12450565	T	C	-0.186	0.029	0.212	8.35E-11	0.003	0.003	0.252	0.011	42.151	TRUE	2.29E-10
FEV1	ARRB2	cg07971820	rs28365158	C	T	-0.815	0.026	0.241	2.24E-214	0.006	0.003	0.038	0.209	976.028	TRUE	1.95E-193
FEV1	ARRB2	cg07971820	rs35376679	T	A	0.299	0.044	0.080	8.71E-12	-0.009	0.004	0.030	0.012	46.574	TRUE	4.99E-11
FEV1	ARRB2	cg07971820	rs4790224	A	G	-0.229	0.025	0.350	3.61E-20	0.004	0.003	0.137	0.022	84.579	TRUE	2.78E-19
FEV1	ARRB2	cg07971820	rs7221871	A	G	0.139	0.024	0.347	1.21E-08	0.001	0.002	0.572	0.009	32.451	TRUE	2.08E-08
FEV1	ARRB2	cg16472369	rs35376679	T	A	0.443	0.043	0.080	2.13E-24	-0.009	0.004	0.030	0.027	103.839	TRUE	4.68E-23
FEV1	ARRB2	cg16472369	rs7210953	T	C	-0.360	0.027	0.247	3.25E-40	0.006	0.003	0.023	0.045	176.118	TRUE	5.16E-38
FEV1	ARRB2	cg19197139	rs11078528	A	G	-0.222	0.026	0.283	6.35E-18	0.000	0.003	0.902	0.020	74.369	TRUE	1.30E-17
FEV1	ARRB2	cg19197139	rs11568148	T	C	1.035	0.126	0.022	2.60E-16	-0.007	0.009	0.431	0.018	67.053	TRUE	8.29E-16
FEV1	ARRB2	cg19197139	rs12150153	T	C	0.174	0.031	0.177	1.41E-08	0.001	0.003	0.820	0.009	32.155	TRUE	1.99E-08
FEV1	ARRB2	cg19197139	rs12150491	C	T	-0.229	0.033	0.357	3.57E-12	-0.004	0.003	0.101	0.013	48.320	TRUE	1.47E-11
FEV1	ARRB2	cg19197139	rs12450565	T	C	0.203	0.028	0.212	1.03E-12	0.003	0.003	0.252	0.014	50.752	TRUE	3.28E-12
FEV1	ARRB2	cg19197139	rs17765093	T	C	0.281	0.026	0.284	1.73E-27	0.003	0.003	0.250	0.031	117.941	TRUE	1.91E-26
FEV1	ARRB2	cg19197139	rs17823987	C	A	-0.303	0.045	0.139	2.21E-11	0.001	0.003	0.788	0.012	44.753	TRUE	3.64E-11
FEV1	ARRB2	cg19197139	rs2036655	A	G	-0.204	0.035	0.113	5.87E-09	0.003	0.004	0.387	0.009	33.857	TRUE	1.20E-08
FEV1	ARRB2	cg19197139	rs34230287	T	C	0.912	0.026	0.240	3.62E-279	0.006	0.003	0.026	0.256	1273.976	TRUE	1.45E-246
FEV1	ARRB2	cg19197139	rs7221871	A	G	-0.175	0.024	0.347	5.52E-13	0.001	0.002	0.572	0.014	51.981	TRUE	1.22E-12
FEV1	ARRB2	cg19197139	rs8077825	G	A	-0.228	0.035	0.150	5.79E-11	-0.002	0.003	0.567	0.011	42.866	TRUE	1.12E-10
FEV1	ARRB2	cg24831541	rs11078528	A	G	0.231	0.026	0.283	3.38E-19	0.000	0.003	0.902	0.021	80.157	TRUE	7.46E-19
FEV1	ARRB2	cg24831541	rs113609358	T	C	-0.577	0.056	0.049	5.99E-25	0.006	0.005	0.257	0.028	106.355	TRUE	5.13E-24
FEV1	ARRB2	cg24831541	rs12450565	T	C	-0.187	0.029	0.212	6.99E-11	0.003	0.003	0.252	0.011	42.499	TRUE	1.93E-10

FEV1	ARRB2	cg24831541	rs1986349	A	G	-0.146	0.023	0.466	4.00E-10	0.001	0.002	0.669	0.010	39.090	TRUE	6.75E-10
FEV1	ARRB2	cg24831541	rs3744700	T	G	-0.198	0.024	0.363	4.99E-16	0.002	0.002	0.453	0.017	65.763	TRUE	1.52E-15
FEV1	ARRB2	cg24831541	rs8071086	G	A	-0.739	0.025	0.297	5.73E-196	0.003	0.003	0.230	0.194	891.393	TRUE	7.32E-179
FEV1	ARSB	cg01026730	rs10040592	G	A	0.473	0.041	0.088	2.63E-30	0.002	0.004	0.710	0.034	130.807	TRUE	1.64E-29
FEV1	ARSB	cg01026730	rs11747224	T	C	0.313	0.056	0.094	2.71E-08	-0.009	0.004	0.042	0.008	30.886	TRUE	9.94E-08
FEV1	ARSB	cg01026730	rs12187584	C	A	-0.294	0.024	0.442	1.07E-35	0.008	0.002	9.45E-04	0.040	155.442	TRUE	3.60E-33
FEV1	ARSB	cg01026730	rs12655680	G	A	-0.233	0.024	0.464	1.18E-22	0.004	0.002	0.067	0.025	95.897	TRUE	1.52E-21
FEV1	ARSB	cg01026730	rs163216	A	G	-0.763	0.021	0.446	1.18E-301	0.007	0.002	0.002	0.271	1377.400	TRUE	2.52E-263
FEV1	ARSB	cg01026730	rs337847	G	A	0.348	0.041	0.085	9.33E-18	0.002	0.004	0.713	0.020	73.609	TRUE	2.33E-17
FEV1	ARSB	cg01026730	rs612855	A	G	0.175	0.025	0.339	1.70E-12	-0.008	0.003	9.81E-04	0.013	49.774	TRUE	2.20E-11
FEV1	ARSB	cg01026730	rs62377898	A	G	-0.240	0.030	0.178	1.48E-15	-0.001	0.003	0.790	0.017	63.627	TRUE	3.00E-15
FEV1	ARSB	cg01026730	rs72762973	C	T	0.456	0.048	0.069	3.27E-21	-0.003	0.005	0.575	0.024	89.326	TRUE	1.22E-20
FEV1	ARSB	cg01026730	rs75706611	C	G	0.335	0.053	0.052	2.37E-10	0.001	0.005	0.927	0.011	40.117	TRUE	3.31E-10
FEV1	ARSB	cg01026730	rs76684389	T	C	0.334	0.047	0.065	1.50E-12	-0.013	0.005	0.010	0.013	50.022	TRUE	1.24E-11
FEV1	ARSB	cg01026730	rs80162951	T	C	-0.517	0.062	0.041	5.89E-17	0.010	0.006	0.065	0.019	69.975	TRUE	4.53E-16
FEV1	ARSB	cg04677158	rs10462560	C	G	-0.320	0.024	0.370	3.65E-41	-0.007	0.002	0.003	0.047	180.466	TRUE	1.66E-38
FEV1	ARSB	cg04677158	rs10514108	T	C	0.225	0.038	0.111	2.68E-09	-0.011	0.004	0.006	0.009	35.385	TRUE	1.66E-08
FEV1	ARSB	cg04677158	rs11741305	A	G	0.177	0.029	0.212	1.12E-09	-0.002	0.003	0.558	0.010	37.089	TRUE	2.03E-09
FEV1	ARSB	cg04677158	rs13190257	T	C	0.161	0.027	0.279	1.25E-09	-0.008	0.003	0.002	0.010	36.871	TRUE	9.95E-09
FEV1	ARSB	cg04677158	rs1402684	T	G	0.407	0.026	0.276	3.69E-55	-0.004	0.003	0.143	0.062	244.581	TRUE	1.41E-52
FEV1	ARSB	cg04677158	rs16876619	T	C	0.166	0.025	0.313	2.10E-11	-0.008	0.003	0.002	0.012	44.852	TRUE	2.05E-10
FEV1	ARSB	cg04677158	rs3733890	A	G	-0.425	0.025	0.307	1.14E-63	-0.003	0.003	0.309	0.071	283.611	TRUE	7.30E-61
FEV1	ARSB	cg04677158	rs4279321	G	A	0.248	0.039	0.093	2.45E-10	0.000	0.004	0.931	0.011	40.048	TRUE	3.39E-10
FEV1	ARSB	cg04677158	rs4571454	T	C	-0.180	0.025	0.319	5.65E-13	-0.001	0.003	0.671	0.014	51.938	TRUE	1.13E-12
FEV1	ARSB	cg04677158	rs485142	G	A	-0.356	0.023	0.431	5.44E-52	0.006	0.002	0.014	0.059	230.057	TRUE	5.36E-49
FEV1	ARSB	cg04677158	rs62377897	T	C	-1.029	0.026	0.175	<1E-200	0.000	0.003	0.884	0.303	1609.549	TRUE	2.41E-307
FEV1	ARSB	cg04677158	rs72762996	T	C	0.343	0.041	0.096	2.48E-17	0.001	0.004	0.872	0.019	71.683	TRUE	5.08E-17
FEV1	ARSB	cg04677158	rs9637824	G	A	-0.296	0.024	0.364	1.21E-34	-0.008	0.002	0.001	0.039	150.641	TRUE	2.83E-32
FEV1	ARSB	cg07379703	rs1717570	G	A	0.139	0.024	0.419	5.16E-09	0.004	0.002	0.084	0.009	34.110	TRUE	1.70E-08
FEV1	ARSB	cg08393937	rs10474577	A	G	0.387	0.025	0.308	6.43E-53	-0.002	0.003	0.367	0.060	234.309	TRUE	8.07E-51
FEV1	ARSB	cg08393937	rs112001390	G	A	0.489	0.086	0.036	1.46E-08	-0.004	0.007	0.510	0.009	32.086	TRUE	2.60E-08
FEV1	ARSB	cg08393937	rs12187584	C	A	-0.206	0.024	0.442	4.01E-18	0.008	0.002	9.45E-04	0.020	75.278	TRUE	1.21E-16
FEV1	ARSB	cg08393937	rs1402684	T	G	-0.439	0.026	0.276	2.61E-64	-0.004	0.003	0.143	0.072	286.539	TRUE	3.73E-61
FEV1	ARSB	cg08393937	rs16876619	T	C	-0.172	0.025	0.313	4.47E-12	-0.008	0.003	0.002	0.013	47.882	TRUE	4.78E-11
FEV1	ARSB	cg08393937	rs2445887	A	G	0.302	0.024	0.442	2.65E-37	-0.001	0.002	0.838	0.042	162.799	TRUE	2.47E-36
FEV1	ARSB	cg08393937	rs2547906	G	A	0.397	0.023	0.421	1.08E-64	0.006	0.002	0.008	0.072	288.306	TRUE	9.90E-61
FEV1	ARSB	cg08393937	rs28376183	C	T	-0.268	0.024	0.464	1.50E-29	0.004	0.002	0.072	0.033	127.356	TRUE	4.10E-28
FEV1	ARSB	cg08393937	rs336520	T	C	-0.300	0.038	0.108	3.13E-15	-0.003	0.004	0.478	0.017	62.149	TRUE	8.62E-15
FEV1	ARSB	cg08393937	rs3857405	A	G	0.292	0.033	0.348	1.82E-18	-0.001	0.003	0.787	0.020	76.831	TRUE	4.43E-18
FEV1	ARSB	cg08393937	rs4279321	G	A	-0.292	0.039	0.093	8.99E-14	0.000	0.004	0.931	0.015	55.547	TRUE	1.45E-13
FEV1	ARSB	cg08393937	rs62377937	G	A	0.831	0.051	0.049	1.81E-59	-0.003	0.006	0.548	0.067	264.334	TRUE	3.43E-57
FEV1	ARSB	cg08393937	rs72762996	T	C	-0.318	0.041	0.096	4.80E-15	0.001	0.004	0.872	0.016	61.309	TRUE	8.70E-15

FEV1	ARSB	cg08393937	rs74772620	T	C	1.087	0.026	0.176	<1E-200	0.000	0.003	0.884	0.329	1812.107	TRUE	<1E-200
FEV1	ARSB	cg10864794	rs11747224	T	C	0.365	0.056	0.094	8.77E-11	-0.009	0.004	0.042	0.011	42.055	TRUE	4.20E-10
FEV1	ARSB	cg10864794	rs13154740	C	T	0.301	0.026	0.280	1.79E-30	0.011	0.003	1.73E-05	0.034	131.576	TRUE	7.32E-28
FEV1	ARSB	cg10864794	rs1402684	T	G	0.149	0.026	0.276	1.55E-08	-0.004	0.003	0.143	0.009	31.975	TRUE	4.22E-08
FEV1	ARSB	cg10864794	rs17221292	A	G	0.592	0.098	0.014	1.54E-09	-0.012	0.010	0.251	0.010	36.463	TRUE	3.85E-09
FEV1	ARSB	cg10864794	rs56307340	A	G	-0.684	0.030	0.166	8.49E-113	-0.003	0.003	0.326	0.121	509.143	TRUE	4.09E-106
FEV1	ARSB	cg10864794	rs62377935	A	T	-0.207	0.029	0.193	1.53E-12	-0.004	0.003	0.240	0.013	49.985	TRUE	4.87E-12
FEV1	ARSB	cg10864794	rs9632424	C	T	0.262	0.032	0.177	1.46E-16	-0.001	0.003	0.783	0.018	68.188	TRUE	3.19E-16
FEV1	ARSB	cg11541897	rs10462560	C	G	0.200	0.024	0.370	9.50E-17	-0.007	0.002	0.003	0.018	69.032	TRUE	1.77E-15
FEV1	ARSB	cg11541897	rs10474577	A	G	0.255	0.026	0.308	1.64E-23	-0.002	0.003	0.367	0.026	99.797	TRUE	9.82E-23
FEV1	ARSB	cg11541897	rs11746854	G	A	-0.178	0.029	0.204	1.15E-09	-0.002	0.003	0.558	0.010	37.037	TRUE	2.09E-09
FEV1	ARSB	cg11541897	rs1402684	T	G	-0.197	0.026	0.276	6.62E-14	-0.004	0.003	0.143	0.015	56.148	TRUE	2.86E-13
FEV1	ARSB	cg11541897	rs163126	T	C	0.732	0.029	0.179	7.64E-140	-0.001	0.003	0.750	0.146	633.409	TRUE	5.52E-131
FEV1	ARSB	cg11541897	rs337871	C	T	0.234	0.024	0.431	3.71E-23	0.007	0.002	0.005	0.026	98.185	TRUE	1.23E-21
FEV1	ARSB	cg11541897	rs569634929	C	T	0.223	0.024	0.378	3.15E-20	-0.004	0.003	0.157	0.022	84.846	TRUE	2.28E-19
FEV1	ARSB	cg11541897	rs72762996	T	C	-0.254	0.041	0.096	3.74E-10	0.001	0.004	0.872	0.010	39.225	TRUE	5.38E-10
FEV1	ARSB	cg11541897	rs9637824	G	A	0.269	0.024	0.364	8.89E-29	-0.008	0.002	0.001	0.032	123.826	TRUE	9.41E-27
FEV1	ARSB	cg11837534	rs337853	G	A	0.159	0.023	0.398	1.00E-11	-0.006	0.002	0.015	0.012	46.300	TRUE	6.71E-11
FEV1	ARSB	cg13121490	rs4512118	C	G	0.168	0.031	0.177	4.47E-08	-0.006	0.003	0.040	0.008	29.917	TRUE	1.62E-07
FEV1	ARSB	cg15712777	rs10042060	C	T	-0.152	0.025	0.342	1.60E-09	-0.002	0.003	0.465	0.010	36.383	TRUE	3.13E-09
FEV1	ARSB	cg15712777	rs113601316	T	G	0.289	0.031	0.168	1.17E-20	-0.003	0.003	0.385	0.023	86.813	TRUE	5.48E-20
FEV1	ARSB	cg15712777	rs478651	T	C	0.130	0.024	0.470	3.61E-08	-0.006	0.002	0.018	0.008	30.332	TRUE	1.52E-07
FEV1	ARSB	cg17845680	rs10462560	C	G	0.215	0.024	0.370	3.64E-19	-0.007	0.002	0.003	0.021	80.014	TRUE	9.17E-18
FEV1	ARSB	cg17845680	rs1402684	T	G	-0.201	0.026	0.276	1.97E-14	-0.004	0.003	0.143	0.016	58.527	TRUE	8.92E-14
FEV1	ARSB	cg17845680	rs163126	T	C	0.779	0.029	0.179	4.59E-161	-0.001	0.003	0.750	0.165	730.940	TRUE	1.02E-149
FEV1	ARSB	cg17845680	rs337871	C	T	0.229	0.024	0.431	4.29E-22	0.007	0.002	0.005	0.025	93.340	TRUE	1.25E-20
FEV1	ARSB	cg17845680	rs3733890	A	G	0.281	0.025	0.307	2.64E-28	-0.003	0.003	0.309	0.032	121.665	TRUE	2.68E-27
FEV1	ARSB	cg17845680	rs569634929	C	T	0.234	0.024	0.378	3.82E-22	-0.004	0.003	0.157	0.025	93.573	TRUE	3.28E-21
FEV1	ARSB	cg17845680	rs604315	T	G	0.254	0.024	0.352	2.21E-25	-0.007	0.002	0.003	0.028	108.333	TRUE	1.22E-23
FEV1	ARSB	cg17845680	rs67523903	C	T	-0.163	0.029	0.203	2.75E-08	-0.002	0.003	0.536	0.008	30.860	TRUE	4.71E-08
FEV1	ARSB	cg17845680	rs72762996	T	C	-0.238	0.041	0.096	4.29E-09	0.001	0.004	0.872	0.009	34.470	TRUE	5.90E-09
FEV1	ARSB	cg23392359	rs117840267	C	G	-0.996	0.180	0.011	3.41E-08	0.002	0.013	0.883	0.008	30.440	TRUE	4.50E-08
FEV1	ARSB	cg23392359	rs4235713	T	C	-0.129	0.023	0.410	3.35E-08	0.000	0.002	0.931	0.008	30.476	TRUE	4.28E-08
FEV1	ARSB	cg23392359	rs6878926	A	G	-0.433	0.070	0.029	6.42E-10	-0.001	0.008	0.946	0.010	38.170	TRUE	8.67E-10
FEV1	ARSB	cg23392359	rs7701438	T	G	-1.112	0.065	0.034	4.64E-65	-0.005	0.007	0.466	0.073	289.983	TRUE	2.35E-62
FEV1	ARSB	cg24166916	rs113263870	C	A	-0.185	0.029	0.199	2.50E-10	-0.001	0.003	0.836	0.011	40.007	TRUE	3.75E-10
FEV1	ARSB	cg24166916	rs12187584	C	A	-0.262	0.024	0.442	1.47E-28	0.008	0.002	9.45E-04	0.032	122.826	TRUE	1.83E-26
FEV1	ARSB	cg24166916	rs163128	T	C	-0.221	0.037	0.114	2.47E-09	-0.002	0.004	0.590	0.010	35.545	TRUE	4.25E-09
FEV1	ARSB	cg24166916	rs1840804	C	T	0.190	0.025	0.319	2.98E-14	-0.001	0.003	0.659	0.015	57.715	TRUE	6.40E-14
FEV1	ARSB	cg24166916	rs2445887	A	G	0.429	0.023	0.442	3.73E-75	-0.001	0.002	0.838	0.083	336.296	TRUE	3.60E-72
FEV1	ARSB	cg24166916	rs2547906	G	A	0.338	0.024	0.421	8.78E-47	0.006	0.002	0.008	0.053	206.198	TRUE	5.14E-44
FEV1	ARSB	cg24166916	rs3733890	A	G	0.457	0.025	0.307	9.76E-74	-0.003	0.003	0.309	0.082	329.791	TRUE	2.92E-70

FEV1	ARSB	cg24166916	rs3857405	A	G	0.273	0.033	0.348	2.75E-16	-0.001	0.003	0.787	0.018	66.938	TRUE	5.88E-16
FEV1	ARSB	cg24166916	rs4324657	A	C	-0.258	0.046	0.067	2.40E-08	-0.003	0.005	0.582	0.008	31.121	TRUE	3.98E-08
FEV1	ARSB	cg24166916	rs62377937	G	A	0.970	0.051	0.049	1.78E-81	-0.003	0.006	0.548	0.090	365.308	TRUE	9.29E-78
FEV1	ARSB	cg24166916	rs72762996	T	C	-0.300	0.041	0.096	1.25E-13	0.001	0.004	0.872	0.015	54.897	TRUE	2.11E-13
FEV1	ARSB	cg24166916	rs74772620	T	C	1.108	0.025	0.176	<1E-200	0.000	0.003	0.884	0.344	1943.952	TRUE	<1E-200
FEV1	ARSB	cg24166916	rs7705926	C	G	-0.352	0.026	0.287	6.96E-43	-0.005	0.003	0.045	0.048	188.340	TRUE	1.12E-40
FEV1	ARSB	cg24893837	rs12187584	C	A	-0.170	0.024	0.442	8.57E-13	0.008	0.002	9.45E-04	0.014	51.119	TRUE	1.24E-11
FEV1	ARSB	cg24893837	rs1402684	T	G	-0.149	0.026	0.276	1.58E-08	-0.004	0.003	0.143	0.009	31.934	TRUE	4.30E-08
FEV1	ARSB	cg24893837	rs485142	G	A	0.209	0.024	0.431	9.93E-19	0.006	0.002	0.014	0.021	78.031	TRUE	1.47E-17
FEV1	ARSB	cg24893837	rs57444763	A	G	0.256	0.026	0.310	1.15E-23	-0.003	0.003	0.247	0.026	100.495	TRUE	9.02E-23
FEV1	ARSB	cg24893837	rs575425	A	G	0.293	0.024	0.352	9.68E-34	-0.007	0.002	0.002	0.038	146.503	TRUE	1.74E-31
FEV1	ARSB	cg24893837	rs57586329	C	T	0.754	0.029	0.170	2.99E-144	-0.001	0.003	0.771	0.150	653.662	TRUE	6.08E-135
FEV1	ARSB	cg26470338	rs10040592	G	A	-0.254	0.042	0.088	1.04E-09	0.002	0.004	0.710	0.010	37.228	TRUE	1.68E-09
FEV1	ARSB	cg26470338	rs10514152	T	C	-0.616	0.045	0.071	7.31E-43	-0.004	0.005	0.398	0.048	188.243	TRUE	2.67E-41
FEV1	ARSB	cg26470338	rs112412427	T	C	-0.272	0.028	0.219	4.55E-22	0.001	0.003	0.760	0.025	93.225	TRUE	1.43E-21
FEV1	ARSB	cg26470338	rs12187584	C	A	0.294	0.024	0.442	1.60E-35	0.008	0.002	9.45E-04	0.040	154.658	TRUE	5.22E-33
FEV1	ARSB	cg26470338	rs2052549	T	C	-0.895	0.024	0.227	<1E-200	-0.002	0.003	0.386	0.281	1446.534	TRUE	1.74E-278
FEV1	ARSB	cg26470338	rs2919650	A	C	-0.261	0.024	0.433	1.86E-28	0.006	0.002	0.008	0.032	122.361	TRUE	1.04E-26
FEV1	ARSB	cg26470338	rs4279321	G	A	0.341	0.039	0.093	2.96E-18	0.000	0.004	0.931	0.020	75.876	TRUE	5.99E-18
FEV1	ARSB	cg26470338	rs569634929	C	T	-0.257	0.024	0.378	1.52E-26	-0.004	0.003	0.157	0.030	113.628	TRUE	1.97E-25
FEV1	ARSB	cg26470338	rs584218	C	T	-0.387	0.023	0.470	1.81E-62	-0.005	0.002	0.038	0.070	278.093	TRUE	5.72E-59
FEV1	ARSB	cg26470338	rs585800	T	A	0.261	0.026	0.287	2.86E-24	-0.011	0.003	1.10E-05	0.027	103.261	TRUE	5.03E-22
FEV1	ARSB	cg26470338	rs72762996	T	C	0.293	0.041	0.096	5.07E-13	0.001	0.004	0.872	0.014	52.151	TRUE	8.31E-13
FEV1	ARSB	cg26470338	rs7701438	T	G	-0.631	0.067	0.034	4.24E-21	-0.005	0.007	0.466	0.023	88.809	TRUE	1.81E-20
FEV1	ARSB	cg27361227	rs62377505	A	C	0.213	0.029	0.206	1.25E-13	0.009	0.003	0.002	0.015	54.895	TRUE	1.60E-12
FEV1	ASAH1	cg04912297	rs11984918	A	T	0.303	0.055	0.059	4.74E-08	-0.002	0.005	0.686	0.008	29.806	TRUE	7.13E-08
FEV1	ASAH1	cg04912297	rs13260520	C	T	0.330	0.032	0.192	1.64E-25	-0.007	0.003	0.023	0.029	108.922	TRUE	4.75E-24
FEV1	ASAH1	cg04912297	rs137922664	C	T	1.027	0.108	0.010	1.82E-21	-0.009	0.010	0.363	0.024	90.481	TRUE	9.44E-21
FEV1	ASAH1	cg04912297	rs17593828	C	T	0.609	0.104	0.015	5.10E-09	-0.002	0.009	0.809	0.009	34.132	TRUE	7.36E-09
FEV1	ASAH1	cg04912297	rs1966290	G	A	0.161	0.025	0.415	2.39E-10	-0.005	0.002	0.040	0.011	40.097	TRUE	1.09E-09
FEV1	ASAH1	cg04912297	rs399382	G	C	1.207	0.087	0.024	1.57E-43	-0.005	0.007	0.547	0.049	191.299	TRUE	4.49E-42
FEV1	ASAH1	cg04912297	rs447516	C	A	0.206	0.028	0.260	3.22E-13	-0.003	0.003	0.207	0.014	53.041	TRUE	1.16E-12
FEV1	ASAH1	cg04912297	rs71526168	C	T	0.499	0.049	0.076	1.92E-24	0.004	0.005	0.400	0.027	104.049	TRUE	1.19E-23
FEV1	ASAH1	cg04912297	rs73198081	T	A	-0.593	0.106	0.031	2.08E-08	-0.003	0.007	0.664	0.008	31.406	TRUE	3.24E-08
FEV1	ASAH1	cg04912297	rs73202002	A	G	0.727	0.112	0.014	8.75E-11	0.001	0.009	0.905	0.011	42.059	TRUE	1.27E-10
FEV1	ASAH1	cg04912297	rs7387252	T	C	0.983	0.034	0.146	2.15E-180	0.002	0.003	0.640	0.181	819.797	TRUE	2.09E-166
FEV1	ASAH1	cg04912297	rs7462730	A	C	0.796	0.098	0.036	3.33E-16	0.002	0.006	0.790	0.018	66.563	TRUE	7.00E-16
FEV1	ASAH1	cg06891716	rs113060216	A	G	0.434	0.067	0.035	1.16E-10	0.001	0.006	0.888	0.011	41.508	TRUE	1.70E-10
FEV1	ASAH1	cg18067069	rs11776689	T	G	0.445	0.049	0.077	1.52E-19	-0.005	0.005	0.244	0.022	81.741	TRUE	8.53E-19
FEV1	ASAH1	cg18067069	rs12549893	G	C	-0.157	0.026	0.384	1.25E-09	0.000	0.002	0.914	0.010	36.875	TRUE	1.72E-09
FEV1	ASAH1	cg18067069	rs17436109	T	C	-0.388	0.055	0.060	2.34E-12	0.009	0.005	0.088	0.013	49.146	TRUE	1.05E-11
FEV1	ASAH1	cg18067069	rs17593975	G	C	-0.360	0.060	0.044	1.60E-09	-0.008	0.006	0.187	0.010	36.386	TRUE	4.40E-09

FEV1	ASAH1	cg18067069	rs17693097	C	G	0.336	0.052	0.064	1.09E-10	-0.006	0.005	0.228	0.011	41.623	TRUE	3.11E-10
FEV1	ASAH1	cg18067069	rs34482943	T	C	0.527	0.049	0.075	1.06E-26	-0.004	0.004	0.374	0.030	114.348	TRUE	8.26E-26
FEV1	ASAH1	cg18067069	rs444618	A	T	0.317	0.039	0.114	8.84E-16	-0.008	0.004	0.026	0.017	64.639	TRUE	8.09E-15
FEV1	ASAH1	cg18067069	rs4921901	G	A	0.340	0.058	0.051	4.66E-09	-0.003	0.005	0.588	0.009	34.307	TRUE	7.96E-09
FEV1	ASAH1	cg18067069	rs62492594	T	G	0.340	0.059	0.052	7.40E-09	-0.007	0.006	0.223	0.009	33.409	TRUE	1.83E-08
FEV1	ASAH1	cg18067069	rs73208640	C	G	0.333	0.049	0.070	1.14E-11	-0.002	0.005	0.710	0.012	46.046	TRUE	2.02E-11
FEV1	ASAH1	cg18067069	rs7825215	C	A	0.744	0.024	0.448	6.37E-216	-0.005	0.002	0.047	0.210	983.137	TRUE	7.93E-195
FEV1	ASAH1	cg18067069	rs7827552	G	T	0.330	0.036	0.146	9.90E-20	0.005	0.003	0.146	0.022	82.585	TRUE	6.99E-19
FEV1	ASAH1	cg18067069	rs79451156	G	A	0.383	0.043	0.100	3.75E-19	0.001	0.004	0.779	0.021	79.953	TRUE	9.46E-19
FEV1	ASAH1	cg18929511	rs1015502	T	C	0.185	0.027	0.320	9.51E-12	0.000	0.003	0.993	0.012	46.403	TRUE	1.33E-11
FEV1	ASAH1	cg18929511	rs117633627	G	A	0.878	0.134	0.019	5.50E-11	-0.007	0.009	0.407	0.011	42.969	TRUE	1.25E-10
FEV1	ASAH1	cg18929511	rs13260520	C	T	0.357	0.032	0.192	1.24E-29	-0.007	0.003	0.023	0.033	127.727	TRUE	5.80E-28
FEV1	ASAH1	cg18929511	rs1353037	C	T	0.254	0.032	0.196	1.26E-15	0.001	0.003	0.812	0.017	63.947	TRUE	2.51E-15
FEV1	ASAH1	cg18929511	rs139334311	C	T	0.972	0.150	0.014	8.86E-11	-0.005	0.010	0.634	0.011	42.035	TRUE	1.60E-10
FEV1	ASAH1	cg18929511	rs399382	G	C	1.365	0.087	0.024	1.49E-55	-0.005	0.007	0.547	0.062	246.387	TRUE	1.74E-53
FEV1	ASAH1	cg18929511	rs71526156	C	T	1.022	0.094	0.039	9.51E-28	-0.010	0.006	0.072	0.031	119.128	TRUE	2.07E-26
FEV1	ASAH1	cg18929511	rs71526168	C	T	0.400	0.049	0.076	3.68E-16	0.004	0.005	0.400	0.018	66.367	TRUE	1.21E-15
FEV1	ASAH1	cg18929511	rs73202002	A	G	1.020	0.112	0.014	6.50E-20	0.001	0.009	0.905	0.022	83.416	TRUE	1.50E-19
FEV1	ASAH1	cg18929511	rs7387252	T	C	0.977	0.034	0.146	1.64E-177	0.002	0.003	0.640	0.179	806.541	TRUE	6.53E-164
FEV1	ASAH1	cg18929511	rs7387599	G	C	0.243	0.036	0.129	2.54E-11	-0.008	0.003	0.015	0.012	44.478	TRUE	1.62E-10
FEV1	ASAH1	cg18929511	rs7462730	A	C	0.822	0.098	0.036	3.62E-17	0.002	0.006	0.790	0.019	70.936	TRUE	8.04E-17
FEV1	ASAH1	cg23540819	rs10102764	C	T	-0.175	0.030	0.223	9.16E-09	-0.001	0.003	0.870	0.009	32.994	TRUE	1.26E-08
FEV1	ASAH1	cg23540819	rs10106223	G	C	-0.382	0.062	0.043	7.25E-10	-0.003	0.006	0.641	0.010	37.932	TRUE	1.24E-09
FEV1	ASAH1	cg23540819	rs116180957	C	T	-0.477	0.076	0.030	4.14E-10	0.008	0.007	0.261	0.010	39.023	TRUE	1.07E-09
FEV1	ASAH1	cg23540819	rs17126208	G	C	0.509	0.071	0.037	6.36E-13	-0.008	0.006	0.175	0.014	51.706	TRUE	2.37E-12
FEV1	ASAH1	cg23540819	rs2283120	C	T	0.206	0.026	0.415	1.33E-15	-0.005	0.002	0.028	0.017	63.837	TRUE	1.15E-14
FEV1	ASAH1	cg23540819	rs2517318	A	G	-0.244	0.042	0.104	8.34E-09	-0.002	0.004	0.703	0.009	33.176	TRUE	1.28E-08
FEV1	ASAH1	cg23540819	rs35425490	A	G	-0.849	0.066	0.042	2.31E-38	0.005	0.006	0.464	0.043	167.645	TRUE	4.50E-37
FEV1	ATG5	cg04389950	rs11961415	T	A	0.252	0.044	0.091	7.09E-09	-0.010	0.004	0.019	0.009	33.492	TRUE	3.20E-08
FEV1	ATG5	cg09492693	rs2787539	T	C	-0.352	0.047	0.080	4.76E-14	-0.012	0.004	0.007	0.015	56.796	TRUE	5.07E-13
FEV1	ATG5	cg14764792	rs191277850	A	G	-1.064	0.165	0.011	1.19E-10	0.016	0.011	0.125	0.011	41.459	TRUE	4.10E-10
FEV1	ATG9B	cg02027878	rs2566511	T	C	0.186	0.027	0.245	8.14E-12	0.003	0.003	0.282	0.012	46.706	TRUE	2.31E-11
FEV1	ATG9B	cg09519327	rs2853795	G	A	0.182	0.031	0.172	2.64E-09	0.003	0.003	0.387	0.009	35.414	TRUE	5.54E-09
FEV1	ATG9B	cg09519327	rs3918184	T	C	-0.167	0.024	0.370	5.17E-12	-0.004	0.002	0.107	0.013	47.597	TRUE	2.20E-11
FEV1	ATG9B	cg15183092	rs3918184	T	C	-0.140	0.024	0.370	9.94E-09	-0.004	0.002	0.107	0.009	32.835	TRUE	3.11E-08
FEV1	ATP2A1	cg04414917	rs12928404	C	T	-0.399	0.024	0.392	4.69E-64	-0.014	0.002	4.49E-09	0.072	285.373	TRUE	5.72E-58
FEV1	ATP2A1	cg04414917	rs153105	C	T	-0.297	0.046	0.074	1.12E-10	-0.008	0.004	0.090	0.011	41.575	TRUE	4.31E-10
FEV1	ATP2A1	cg04414917	rs28709965	A	G	0.171	0.023	0.491	3.09E-13	0.005	0.002	0.025	0.014	53.121	TRUE	2.21E-12
FEV1	ATP2A1	cg04414917	rs73535886	C	T	-0.144	0.026	0.319	1.89E-08	-0.003	0.003	0.233	0.008	31.589	TRUE	4.47E-08
FEV1	ATP2A1	cg05966235	rs11401	G	A	-0.193	0.031	0.184	4.40E-10	-0.004	0.003	0.266	0.010	38.905	TRUE	1.14E-09
FEV1	ATP2A1	cg05966235	rs11642449	T	C	0.766	0.022	0.346	1.24E-273	-0.012	0.002	3.98E-07	0.252	1248.519	TRUE	4.24E-238
FEV1	ATP2A1	cg05966235	rs369524013	A	G	-0.154	0.025	0.326	9.20E-10	0.000	0.003	0.983	0.010	37.468	TRUE	1.22E-09

FEV1	ATP2A1	cg05966235	rs67479058	C	T	-0.334	0.029	0.191	3.48E-30	-0.004	0.003	0.218	0.034	130.253	TRUE	5.35E-29
FEV1	ATP2A1	cg05966235	rs72791878	T	C	0.593	0.065	0.034	5.91E-20	-0.013	0.006	0.045	0.022	83.604	TRUE	7.09E-19
FEV1	ATP2A1	cg05966235	rs8052258	C	T	-0.270	0.023	0.476	6.50E-31	0.004	0.002	0.074	0.035	133.581	TRUE	2.06E-29
FEV1	ATP2A1	cg05966235	rs8054074	A	G	0.271	0.025	0.314	1.99E-26	-0.003	0.003	0.280	0.030	113.101	TRUE	1.85E-25
FEV1	ATP2A1	cg08213689	rs40831	G	A	0.141	0.024	0.419	2.99E-09	-0.011	0.002	2.10E-06	0.009	35.168	TRUE	5.14E-08
FEV1	ATP2A1	cg10436792	rs11150697	T	C	0.323	0.038	0.121	2.00E-17	-0.001	0.004	0.907	0.019	72.102	TRUE	4.04E-17
FEV1	ATP2A1	cg10436792	rs142505175	A	G	0.367	0.059	0.042	4.28E-10	-0.002	0.006	0.784	0.010	38.958	TRUE	6.62E-10
FEV1	ATP2A1	cg10436792	rs576443469	A	G	-0.229	0.026	0.278	2.68E-18	-0.010	0.003	8.02E-05	0.020	76.073	TRUE	1.36E-16
FEV1	ATP2A1	cg10436792	rs8052258	C	T	0.167	0.023	0.476	1.17E-12	0.004	0.002	0.074	0.013	50.510	TRUE	5.87E-12
FEV1	ATP2A1	cg10436792	rs9933198	T	C	0.546	0.027	0.255	6.12E-94	0.000	0.003	0.957	0.103	422.529	TRUE	1.02E-89
FEV1	ATP2A1	cg27473355	rs62037414	C	T	0.189	0.025	0.331	2.37E-14	-0.012	0.003	1.32E-06	0.015	58.164	TRUE	1.12E-12
FEV1	ATP2A3	cg00095677	rs2176323	T	C	0.312	0.050	0.123	4.59E-10	-0.001	0.004	0.760	0.010	38.825	TRUE	7.17E-10
FEV1	ATP2A3	cg00095677	rs2240805	A	G	0.252	0.033	0.362	4.16E-14	0.002	0.003	0.336	0.015	57.062	TRUE	1.29E-13
FEV1	ATP2A3	cg00095677	rs2254021	A	T	0.208	0.024	0.373	1.10E-17	-0.001	0.002	0.842	0.019	73.285	TRUE	2.40E-17
FEV1	ATP2A3	cg00095677	rs56172839	T	C	-1.184	0.090	0.042	1.01E-39	0.014	0.006	0.026	0.045	173.873	TRUE	1.47E-37
FEV1	ATP2A3	cg00095677	rs7208941	T	G	-1.378	0.033	0.137	<1E-200	0.009	0.003	0.009	0.315	1702.561	TRUE	<1E-200
FEV1	ATP2A3	cg00095677	rs79760850	C	T	-0.921	0.102	0.020	1.71E-19	0.019	0.008	0.015	0.022	81.500	TRUE	2.75E-18
FEV1	ATP2A3	cg01703329	rs8070203	C	A	0.499	0.028	0.232	1.05E-72	0.011	0.003	1.17E-04	0.081	325.055	TRUE	3.02E-67
FEV1	ATP2A3	cg01703329	rs933210	T	C	-0.162	0.030	0.190	4.48E-08	-0.003	0.003	0.325	0.008	29.914	TRUE	9.27E-08
FEV1	ATP2A3	cg01703329	rs9895032	T	C	0.180	0.023	0.495	1.11E-14	0.003	0.002	0.236	0.016	59.667	TRUE	4.32E-14
FEV1	ATP2A3	cg06463185	rs12936489	T	C	-0.815	0.043	0.142	1.78E-80	0.007	0.003	0.026	0.089	360.720	TRUE	1.47E-75
FEV1	ATP2A3	cg06463185	rs142472050	A	G	0.291	0.052	0.109	1.91E-08	0.001	0.004	0.790	0.008	31.565	TRUE	2.72E-08
FEV1	ATP2A3	cg06463185	rs2254021	A	T	0.170	0.024	0.373	2.57E-12	-0.001	0.002	0.842	0.013	48.962	TRUE	4.24E-12
FEV1	ATP2A3	cg06463185	rs56172839	T	C	-0.636	0.092	0.042	4.11E-12	0.014	0.006	0.026	0.013	48.045	TRUE	2.57E-11
FEV1	ATP2A3	cg06463185	rs79760850	C	T	-0.652	0.102	0.020	1.36E-10	0.019	0.008	0.015	0.011	41.200	TRUE	7.97E-10
FEV1	ATP2A3	cg09013975	rs7213688	A	G	-0.198	0.030	0.194	3.57E-11	-0.002	0.003	0.472	0.012	43.814	TRUE	7.62E-11
FEV1	ATP2A3	cg11608582	rs7215058	A	C	0.259	0.041	0.177	2.09E-10	0.006	0.003	0.054	0.011	40.358	TRUE	8.99E-10
FEV1	ATP2A3	cg12868320	rs34689261	G	A	0.247	0.044	0.137	1.95E-08	0.008	0.003	0.011	0.008	31.524	TRUE	9.47E-08
FEV1	ATP2A3	cg18963239	rs11871473	C	T	0.247	0.025	0.346	2.10E-23	0.006	0.002	0.009	0.026	99.314	TRUE	6.61E-22
FEV1	ATP2A3	cg18963239	rs12325787	T	C	0.189	0.030	0.186	2.03E-10	-0.003	0.003	0.337	0.011	40.419	TRUE	4.86E-10
FEV1	ATP2A3	cg20473595	rs11871473	C	T	0.348	0.025	0.346	6.65E-45	0.006	0.002	0.009	0.051	197.587	TRUE	3.34E-42
FEV1	ATP2A3	cg20473595	rs2301351	T	C	0.263	0.037	0.255	8.61E-13	0.005	0.003	0.045	0.014	51.111	TRUE	4.92E-12
FEV1	ATP2A3	cg20473595	rs2727072	G	C	-0.180	0.030	0.188	2.27E-09	0.002	0.003	0.604	0.010	35.710	TRUE	3.86E-09
FEV1	ATP2A3	cg20473595	rs7214726	A	G	0.261	0.040	0.190	8.22E-11	0.009	0.003	0.003	0.011	42.182	TRUE	6.92E-10
FEV1	ATP2A3	cg25599198	rs11652572	G	T	0.661	0.105	0.026	2.77E-10	0.001	0.008	0.865	0.011	39.812	TRUE	4.05E-10
FEV1	ATP2A3	cg25599198	rs138478638	C	T	0.615	0.036	0.253	2.02E-65	-0.001	0.003	0.865	0.073	291.636	TRUE	4.54E-63
FEV1	ATP2A3	cg25599198	rs28374275	G	A	0.257	0.025	0.346	2.85E-25	0.006	0.002	0.011	0.028	107.824	TRUE	1.04E-23
FEV1	ATP2A3	cg25599198	rs62071740	A	T	0.659	0.094	0.040	2.73E-12	-0.008	0.006	0.231	0.013	48.850	TRUE	8.76E-12
FEV1	ATP2A3	cg25599198	rs7212159	C	T	-0.221	0.030	0.189	1.19E-13	0.000	0.003	0.957	0.015	54.988	TRUE	1.90E-13
FEV1	ATP2A3	cg25599198	rs9893372	T	C	0.213	0.035	0.323	1.01E-09	-0.002	0.003	0.425	0.010	37.293	TRUE	2.08E-09
FEV1	ATP2A3	cg25599198	rs9907835	T	G	0.294	0.035	0.131	3.60E-17	-0.002	0.003	0.577	0.019	70.947	TRUE	1.01E-16
FEV1	ATP2A3	cg25738176	rs111834286	A	G	-0.235	0.037	0.114	2.72E-10	-0.007	0.004	0.054	0.011	39.848	TRUE	1.14E-09

FEV1	ATP2A3	cg25738176	rs12601931	C	T	0.187	0.030	0.187	6.26E-10	0.001	0.003	0.768	0.010	38.219	TRUE	9.74E-10
FEV1	ATP2A3	cg25738176	rs1468573	G	A	-0.299	0.024	0.426	3.81E-36	0.005	0.002	0.031	0.041	157.501	TRUE	3.10E-34
FEV1	ATP2A3	cg25738176	rs56369222	A	G	-0.349	0.044	0.233	1.10E-15	0.003	0.003	0.359	0.017	64.200	TRUE	3.65E-15
FEV1	ATP2A3	cg25738176	rs76401897	T	C	-0.320	0.052	0.053	1.06E-09	0.001	0.005	0.858	0.010	37.194	TRUE	1.52E-09
FEV1	ATP6V0D1	cg04726373	rs147994279	T	C	-0.535	0.062	0.035	6.91E-18	-0.003	0.006	0.602	0.020	74.202	TRUE	1.99E-17
FEV1	ATP6V0D1	cg06120000	rs75204333	C	T	0.377	0.055	0.045	1.02E-11	0.017	0.006	0.004	0.012	46.268	TRUE	9.24E-11
FEV1	ATP6V0D1	cg07871059	rs55966046	A	C	-0.342	0.044	0.074	5.47E-15	0.004	0.004	0.341	0.016	61.051	TRUE	1.80E-14
FEV1	ATP6V0D1	cg08830672	rs111986796	T	C	0.743	0.091	0.020	2.52E-16	-0.005	0.010	0.586	0.018	67.107	TRUE	6.64E-16
FEV1	ATP6V0D1	cg08830672	rs55966046	A	C	-0.480	0.044	0.074	2.89E-28	0.004	0.004	0.341	0.032	121.491	TRUE	2.78E-27
FEV1	ATP6V0D1	cg08830672	rs8051517	C	T	-0.325	0.050	0.057	1.06E-10	0.010	0.005	0.047	0.011	41.685	TRUE	4.77E-10
FEV1	ATP6V0D1	cg08830672	rs9930024	C	T	-0.152	0.024	0.400	2.84E-10	0.006	0.002	0.018	0.011	39.759	TRUE	1.57E-09
FEV1	ATP6V0D1	cg10189135	rs111986796	T	C	0.576	0.091	0.020	2.23E-10	-0.005	0.010	0.586	0.011	40.228	TRUE	4.12E-10
FEV1	ATP6V0D1	cg10189135	rs55966046	A	C	-0.405	0.044	0.074	1.73E-20	0.004	0.004	0.341	0.023	86.033	TRUE	8.64E-20
FEV1	ATP6V1C1	cg03506193	rs116549961	A	G	0.788	0.042	0.100	8.73E-79	-0.007	0.004	0.091	0.087	352.960	TRUE	1.99E-74
FEV1	ATP6V1C1	cg03506193	rs11774996	A	T	0.187	0.034	0.169	3.22E-08	-0.001	0.003	0.750	0.008	30.551	TRUE	4.66E-08
FEV1	ATP6V1C1	cg03506193	rs7825152	G	C	0.175	0.027	0.298	1.34E-10	-0.001	0.003	0.769	0.011	41.234	TRUE	2.16E-10
FEV1	ATP6V1C1	cg03506193	rs79956307	T	C	0.484	0.087	0.020	2.60E-08	-0.004	0.009	0.677	0.008	30.972	TRUE	3.99E-08
FEV1	ATP6V1C1	cg07079489	rs2458275	A	C	-1.118	0.089	0.044	2.54E-36	0.006	0.006	0.318	0.041	158.308	TRUE	5.56E-35
FEV1	ATP6V1C1	cg07079489	rs2515198	T	A	-0.153	0.027	0.332	1.10E-08	0.007	0.003	0.003	0.009	32.631	TRUE	6.76E-08
FEV1	ATP6V1C1	cg23420841	rs10283404	C	A	0.159	0.026	0.431	5.35E-10	0.000	0.002	0.940	0.010	38.523	TRUE	7.33E-10
FEV1	ATP6V1C1	cg23420841	rs2458286	C	T	0.160	0.027	0.344	1.57E-09	0.002	0.003	0.346	0.010	36.424	TRUE	3.45E-09
FEV1	ATP6V1C1	cg23420841	rs2515174	G	C	-0.317	0.026	0.377	1.12E-34	-0.008	0.002	0.001	0.039	150.780	TRUE	2.65E-32
FEV1	ATP6V1C1	cg23420841	rs72669327	T	C	0.472	0.042	0.100	2.23E-29	-0.003	0.004	0.441	0.033	126.573	TRUE	1.93E-28
FEV1	ATP6V1C2	cg01089589	rs11902342	G	A	0.135	0.023	0.451	5.88E-09	-0.007	0.002	0.004	0.009	33.856	TRUE	3.48E-08
FEV1	ATP6V1C2	cg01089589	rs17455729	A	G	-0.888	0.041	0.077	3.69E-103	0.008	0.004	0.066	0.112	464.871	TRUE	1.30E-96
FEV1	ATP6V1C2	cg01089589	rs3856466	T	C	0.246	0.029	0.209	1.74E-17	0.001	0.003	0.868	0.019	72.381	TRUE	3.65E-17
FEV1	ATP6V1C2	cg08352575	rs1318010	A	G	0.197	0.024	0.384	6.92E-16	0.001	0.002	0.680	0.017	65.120	TRUE	1.61E-15
FEV1	ATP6V1C2	cg08352575	rs146004635	A	G	-0.751	0.061	0.037	5.09E-35	-0.005	0.006	0.421	0.040	152.355	TRUE	7.71E-34
FEV1	ATP6V1C2	cg08352575	rs150958118	T	C	-1.072	0.172	0.012	4.87E-10	0.001	0.011	0.916	0.010	38.708	TRUE	6.76E-10
FEV1	ATP6V1C2	cg08352575	rs2969882	C	T	0.690	0.025	0.273	4.13E-168	-0.010	0.003	1.00E-04	0.171	763.329	TRUE	6.26E-152
FEV1	ATP6V1C2	cg08352575	rs2969891	A	G	0.302	0.025	0.302	1.06E-33	-0.001	0.003	0.755	0.038	146.319	TRUE	8.09E-33
FEV1	ATP6V1C2	cg08352575	rs34847718	T	C	0.136	0.024	0.463	6.85E-09	-0.001	0.002	0.657	0.009	33.560	TRUE	1.09E-08
FEV1	ATP6V1C2	cg08352575	rs3856466	T	C	-0.861	0.028	0.209	6.63E-213	0.001	0.003	0.868	0.208	969.265	TRUE	1.51E-194
FEV1	ATP6V1C2	cg08352575	rs4669620	C	G	0.326	0.035	0.122	1.06E-20	-0.007	0.004	0.063	0.023	87.000	TRUE	1.20E-19
FEV1	ATP6V1C2	cg08352575	rs72781424	T	C	-0.256	0.045	0.071	1.78E-08	-0.009	0.004	0.033	0.008	31.703	TRUE	6.91E-08
FEV1	ATP6V1C2	cg08803791	rs1198842	T	G	0.147	0.024	0.397	9.77E-10	-0.010	0.002	1.78E-05	0.010	37.351	TRUE	1.50E-08
FEV1	ATP6V1C2	cg08803791	rs12465136	T	A	0.163	0.028	0.242	3.53E-09	-0.002	0.003	0.446	0.009	34.848	TRUE	6.93E-09
FEV1	ATP6V1C2	cg08803791	rs6737844	C	T	-0.331	0.024	0.409	5.83E-45	0.006	0.002	0.018	0.051	197.851	TRUE	1.90E-42
FEV1	ATP6V1C2	cg18436444	rs1734422	C	A	-0.185	0.024	0.438	3.92E-15	0.005	0.002	0.020	0.016	61.704	TRUE	3.68E-14
FEV1	ATP6V1C2	cg21879157	rs11885275	G	A	-0.200	0.028	0.239	5.56E-13	0.005	0.003	0.081	0.014	51.967	TRUE	2.79E-12
FEV1	ATP6V1C2	cg22243662	rs113787127	C	T	-0.271	0.034	0.136	1.30E-15	0.000	0.003	0.898	0.017	63.880	TRUE	2.36E-15
FEV1	ATP6V1C2	cg22243662	rs12468286	A	G	0.130	0.023	0.457	2.28E-08	-0.001	0.002	0.633	0.008	31.222	TRUE	3.64E-08

FEV1	ATP6V1C2	cg26301562	rs1060011	A	G	0.770	0.123	0.018	3.71E-10	-0.001	0.009	0.938	0.010	39.239	TRUE	5.09E-10
FEV1	ATP6V1C2	cg26301562	rs34533775	C	T	-0.179	0.024	0.379	7.69E-14	0.007	0.002	0.006	0.015	55.854	TRUE	8.04E-13
FEV1	ATP6V1E2	cg02822958	rs10209278	C	T	-0.221	0.025	0.325	5.94E-19	-0.002	0.003	0.388	0.021	79.045	TRUE	2.39E-18
FEV1	ATP6V1E2	cg02822958	rs116814191	C	T	-0.473	0.036	0.111	3.82E-39	0.004	0.004	0.311	0.044	171.222	TRUE	1.12E-37
FEV1	ATP6V1E2	cg02822958	rs12614710	T	G	0.162	0.024	0.427	7.45E-12	-0.003	0.002	0.273	0.013	46.881	TRUE	2.20E-11
FEV1	ATP6V1E2	cg02822958	rs13011481	T	C	-0.239	0.024	0.414	1.81E-23	0.001	0.002	0.840	0.026	99.610	TRUE	5.65E-23
FEV1	ATP6V1E2	cg02822958	rs13011721	G	T	0.645	0.080	0.042	1.07E-15	0.001	0.006	0.839	0.017	64.264	TRUE	2.08E-15
FEV1	ATP6V1E2	cg02822958	rs13382833	C	T	-0.382	0.068	0.063	2.40E-08	-0.007	0.005	0.144	0.008	31.123	TRUE	6.48E-08
FEV1	ATP6V1E2	cg02822958	rs188749997	T	C	-0.434	0.078	0.023	2.79E-08	-0.011	0.009	0.189	0.008	30.832	TRUE	6.90E-08
FEV1	ATP6V1E2	cg02822958	rs60154242	G	A	-0.314	0.025	0.328	9.97E-37	-0.005	0.002	0.057	0.042	160.166	TRUE	7.13E-35
FEV1	ATP6V1E2	cg02822958	rs62134690	T	G	-0.448	0.050	0.058	7.27E-19	0.000	0.005	0.969	0.021	78.646	TRUE	1.48E-18
FEV1	ATP6V1E2	cg02822958	rs62136895	A	G	0.303	0.030	0.188	1.09E-23	-0.003	0.003	0.292	0.026	100.610	TRUE	7.61E-23
FEV1	ATP6V1E2	cg02822958	rs6719054	A	C	-0.883	0.018	0.487	<1E-200	0.000	0.002	0.848	0.385	2311.347	TRUE	<1E-200
FEV1	ATP6V1E2	cg02822958	rs72808521	C	T	-0.281	0.050	0.056	1.39E-08	0.004	0.005	0.404	0.009	32.182	TRUE	2.71E-08
FEV1	ATP6V1E2	cg02822958	rs7594523	C	G	0.325	0.024	0.364	6.10E-42	0.006	0.002	0.014	0.047	184.023	TRUE	1.56E-39
FEV1	ATP6V1E2	cg02822958	rs7609080	C	T	0.349	0.034	0.140	1.67E-24	0.009	0.003	0.005	0.027	104.329	TRUE	7.12E-23
FEV1	ATP6V1E2	cg02822958	rs76724814	A	G	0.459	0.049	0.060	8.61E-21	-0.002	0.005	0.679	0.023	87.411	TRUE	2.74E-20
FEV1	ATP6V1E2	cg02822958	rs78984810	C	T	-0.434	0.047	0.075	5.22E-20	0.001	0.005	0.859	0.022	83.847	TRUE	1.27E-19
FEV1	ATP6V1E2	cg02822958	rs79583301	A	G	-0.461	0.044	0.072	1.65E-25	0.003	0.004	0.576	0.029	108.905	TRUE	8.51E-25
FEV1	ATP6V1E2	cg04944393	rs13025211	G	A	-0.177	0.024	0.373	2.56E-13	-0.005	0.002	0.045	0.014	53.488	TRUE	1.55E-12
FEV1	ATP6V1E2	cg15759873	rs880671	A	G	0.147	0.024	0.370	1.08E-09	-0.004	0.002	0.072	0.010	37.151	TRUE	3.99E-09
FEV1	ATP6V1E2	cg26688816	rs11125081	C	T	-0.614	0.076	0.022	5.84E-16	0.004	0.007	0.582	0.017	65.453	TRUE	1.52E-15
FEV1	ATP6V1E2	cg26688816	rs11884098	T	C	0.340	0.036	0.121	3.00E-21	-0.004	0.004	0.263	0.024	89.494	TRUE	1.83E-20
FEV1	ATP6V1E2	cg26688816	rs11890291	C	T	0.547	0.032	0.151	3.61E-64	0.009	0.003	0.004	0.072	285.893	TRUE	4.82E-60
FEV1	ATP6V1E2	cg26688816	rs143098296	A	G	-0.641	0.072	0.024	4.11E-19	-0.023	0.007	8.33E-04	0.021	79.771	TRUE	1.38E-17
FEV1	ATP6V1E2	cg26688816	rs180698060	G	C	0.311	0.057	0.049	4.01E-08	-0.007	0.006	0.265	0.008	30.128	TRUE	8.88E-08
FEV1	ATP6V1E2	cg26688816	rs35706639	G	A	0.218	0.040	0.185	3.48E-08	0.005	0.003	0.083	0.008	30.401	TRUE	1.09E-07
FEV1	ATP6V1E2	cg26688816	rs41281473	T	C	0.679	0.124	0.022	4.41E-08	0.011	0.008	0.197	0.008	29.946	TRUE	1.07E-07
FEV1	ATP6V1E2	cg26688816	rs4953396	A	C	-0.894	0.021	0.341	<1E-200	-0.006	0.003	0.010	0.332	1840.220	TRUE	<1E-200
FEV1	ATP6V1E2	cg26688816	rs4953402	G	C	0.239	0.031	0.183	1.57E-14	0.004	0.003	0.207	0.016	58.981	TRUE	6.20E-14
FEV1	ATP6V1E2	cg26688816	rs55736130	A	G	-0.194	0.024	0.485	2.07E-16	-0.001	0.002	0.773	0.018	67.503	TRUE	4.53E-16
FEV1	ATP6V1E2	cg26688816	rs56288593	A	G	-0.160	0.024	0.348	5.16E-11	0.005	0.002	0.060	0.012	43.093	TRUE	2.34E-10
FEV1	ATP6V1E2	cg26688816	rs60470928	G	A	-0.532	0.068	0.057	4.94E-15	0.005	0.005	0.353	0.016	61.250	TRUE	1.61E-14
FEV1	ATP6V1E2	cg26688816	rs60999035	A	G	0.361	0.036	0.121	1.56E-23	0.005	0.004	0.141	0.026	99.906	TRUE	1.60E-22
FEV1	ATP6V1E2	cg26688816	rs62134690	T	G	0.323	0.050	0.058	1.51E-10	0.000	0.005	0.969	0.011	40.991	TRUE	2.06E-10
FEV1	ATP6V1E2	cg26688816	rs62136870	G	A	-0.648	0.115	0.027	1.71E-08	0.004	0.007	0.615	0.009	31.778	TRUE	2.78E-08
FEV1	ATP6V1E2	cg26688816	rs62136898	A	T	-0.268	0.028	0.233	6.13E-22	-0.002	0.003	0.413	0.024	92.634	TRUE	3.03E-21
FEV1	ATP6V1E2	cg26688816	rs6741114	G	T	0.254	0.024	0.381	9.43E-27	0.004	0.002	0.135	0.030	114.579	TRUE	1.38E-25
FEV1	ATP6V1E2	cg26688816	rs75012349	C	T	-0.650	0.085	0.017	1.58E-14	0.012	0.008	0.110	0.016	58.967	TRUE	8.12E-14
FEV1	BCL2	cg08223235	rs3810027	G	C	-0.404	0.024	0.347	1.60E-63	-0.006	0.003	0.016	0.071	282.926	TRUE	9.11E-60
FEV1	BCL2	cg08223235	rs9320014	C	T	0.269	0.044	0.079	7.79E-10	0.001	0.004	0.783	0.010	37.790	TRUE	1.19E-09
FEV1	BCL2	cg12090740	rs2551399	C	T	0.327	0.037	0.105	1.19E-18	-0.002	0.004	0.521	0.021	77.679	TRUE	3.94E-18

FEV1	BCL2	cg12090740	rs62098661	A	G	-0.275	0.024	0.416	3.16E-31	-0.006	0.002	0.013	0.035	135.011	TRUE	2.07E-29
FEV1	BCL2	cg12459502	rs6567331	G	A	0.174	0.026	0.275	2.40E-11	-0.008	0.003	0.003	0.012	44.590	TRUE	2.21E-10
FEV1	BCL2	cg16445842	rs2279115	G	T	-0.161	0.023	0.480	3.23E-12	0.006	0.002	0.007	0.013	48.516	TRUE	2.91E-11
FEV1	BCL2	cg21793948	rs2551402	A	C	0.169	0.023	0.482	3.49E-13	0.007	0.002	0.002	0.014	52.884	TRUE	4.22E-12
FEV1	BCL2	cg23707289	rs1801018	C	T	-0.400	0.023	0.423	7.53E-66	-0.005	0.002	0.030	0.074	293.604	TRUE	4.04E-62
FEV1	BCL2	cg23707289	rs746987	G	A	0.205	0.032	0.158	1.64E-10	0.002	0.003	0.522	0.011	40.836	TRUE	3.20E-10
FEV1	BCL2	cg23756272	rs3810027	G	C	0.193	0.024	0.347	2.01E-15	-0.006	0.003	0.016	0.017	63.021	TRUE	2.02E-14
FEV1	BCL2	cg25059899	rs9967405	G	A	0.962	0.043	0.092	4.88E-109	0.003	0.005	0.499	0.117	491.871	TRUE	5.58E-103
FEV1	BCL2	cg26277730	rs698708	C	G	0.174	0.027	0.248	8.03E-11	0.007	0.003	0.009	0.011	42.228	TRUE	5.52E-10
FEV1	BCL2L1	cg00300298	rs17093657	A	G	0.177	0.029	0.206	1.01E-09	-0.010	0.003	4.13E-04	0.010	37.284	TRUE	1.01E-08
FEV1	BCL2L1	cg00300298	rs4911300	A	G	-0.157	0.027	0.261	3.95E-09	0.001	0.003	0.818	0.009	34.631	TRUE	5.68E-09
FEV1	BCL2L1	cg00300298	rs74384244	A	G	-0.523	0.043	0.084	1.43E-34	-0.012	0.005	0.007	0.039	150.303	TRUE	1.83E-32
FEV1	BCL2L1	cg08257293	rs118183288	A	G	0.474	0.068	0.030	3.77E-12	-0.012	0.007	0.070	0.013	48.217	TRUE	1.78E-11
FEV1	BCL2L1	cg08257293	rs138363779	T	C	0.459	0.070	0.031	4.46E-11	-0.009	0.007	0.201	0.012	43.377	TRUE	1.37E-10
FEV1	BCL2L1	cg08257293	rs141235157	G	A	0.374	0.064	0.034	5.63E-09	-0.007	0.007	0.306	0.009	33.941	TRUE	1.26E-08
FEV1	BCL2L1	cg08257293	rs6058473	A	G	-0.265	0.044	0.079	1.91E-09	-0.015	0.005	0.002	0.010	36.039	TRUE	1.50E-08
FEV1	BCL2L1	cg08257293	rs6059740	A	G	-0.150	0.023	0.486	1.64E-10	0.007	0.002	0.002	0.011	40.830	TRUE	1.43E-09
FEV1	BCL2L1	cg08257293	rs7266926	C	A	0.203	0.025	0.306	6.04E-16	-0.007	0.003	0.007	0.017	65.387	TRUE	7.97E-15
FEV1	BCL2L1	cg08257293	rs77130187	A	G	0.512	0.029	0.196	2.06E-69	-0.011	0.003	2.40E-04	0.077	309.948	TRUE	2.83E-64
FEV1	BCL2L1	cg12873919	rs117973647	T	C	0.423	0.070	0.027	1.47E-09	-0.005	0.007	0.499	0.010	36.561	TRUE	2.78E-09
FEV1	BCL2L1	cg12873919	rs118183288	A	G	0.428	0.068	0.030	3.18E-10	-0.012	0.007	0.070	0.011	39.538	TRUE	1.25E-09
FEV1	BCL2L1	cg12873919	rs534887597	C	T	0.546	0.094	0.018	7.07E-09	-0.009	0.007	0.201	0.009	33.496	TRUE	1.81E-08
FEV1	BCL2L1	cg12873919	rs6058963	A	G	0.191	0.026	0.284	1.34E-13	-0.008	0.003	0.003	0.015	54.761	TRUE	1.67E-12
FEV1	BCL2L1	cg12873919	rs6060989	T	C	0.464	0.029	0.206	2.30E-59	-0.010	0.003	4.14E-04	0.067	263.862	TRUE	3.74E-55
FEV1	BCL2L1	cg12873919	rs6060990	G	C	-0.238	0.043	0.084	2.87E-08	-0.012	0.005	0.006	0.008	30.775	TRUE	1.49E-07
FEV1	BCL2L1	cg13852791	rs112702898	C	T	0.683	0.057	0.042	1.41E-33	-0.006	0.006	0.276	0.038	145.763	TRUE	2.60E-32
FEV1	BCL2L1	cg13852791	rs117532975	C	T	0.690	0.067	0.030	1.60E-24	-0.013	0.007	0.049	0.027	104.410	TRUE	2.96E-23
FEV1	BCL2L1	cg13852791	rs12625006	G	A	-0.342	0.036	0.130	7.68E-22	0.006	0.004	0.113	0.024	92.190	TRUE	7.49E-21
FEV1	BCL2L1	cg13852791	rs143955308	T	C	0.813	0.090	0.019	1.69E-19	-0.013	0.008	0.100	0.022	81.531	TRUE	1.41E-18
FEV1	BCL2L1	cg13852791	rs150780693	A	G	0.721	0.072	0.024	9.24E-24	-0.005	0.007	0.485	0.027	100.936	TRUE	4.68E-23
FEV1	BCL2L1	cg13852791	rs1883508	T	C	0.172	0.024	0.417	6.20E-13	-0.008	0.002	0.002	0.014	51.755	TRUE	7.89E-12
FEV1	BCL2L1	cg13852791	rs215912	C	T	0.346	0.023	0.463	1.21E-49	-0.005	0.002	0.021	0.056	219.296	TRUE	7.74E-47
FEV1	BCL2L1	cg13852791	rs34355888	T	C	0.238	0.023	0.494	2.64E-24	-0.004	0.002	0.067	0.027	103.416	TRUE	4.03E-23
FEV1	BCL2L1	cg13852791	rs532287910	T	G	-0.296	0.044	0.075	1.67E-11	0.001	0.004	0.858	0.012	45.302	TRUE	2.57E-11
FEV1	BCL2L1	cg13852791	rs56073203	T	C	-0.341	0.055	0.107	4.95E-10	0.016	0.004	2.30E-04	0.010	38.678	TRUE	5.73E-09
FEV1	BCL2L1	cg13852791	rs564151217	A	C	-0.237	0.036	0.115	3.35E-11	0.001	0.004	0.729	0.012	43.939	TRUE	5.76E-11
FEV1	BCL2L1	cg13852791	rs6058012	A	G	-0.307	0.023	0.486	1.08E-39	0.007	0.002	0.003	0.045	173.733	TRUE	4.20E-37
FEV1	BCL2L1	cg13852791	rs6058259	G	A	0.931	0.023	0.271	<1E-200	-0.014	0.003	1.54E-07	0.314	1693.159	TRUE	<1E-200
FEV1	BCL2L1	cg13852791	rs6058513	C	G	0.239	0.026	0.264	1.04E-19	0.001	0.003	0.800	0.022	82.494	TRUE	2.69E-19
FEV1	BCL2L1	cg13852791	rs6087803	C	T	-0.318	0.055	0.046	7.63E-09	-0.008	0.005	0.157	0.009	33.350	TRUE	2.12E-08
FEV1	BCL2L1	cg13852791	rs6089101	A	G	-0.226	0.024	0.353	1.97E-20	0.002	0.003	0.454	0.023	85.777	TRUE	7.96E-20
FEV1	BCL2L1	cg13852791	rs7270565	T	C	0.639	0.056	0.043	3.05E-30	-0.021	0.006	1.38E-04	0.034	130.518	TRUE	7.37E-28

FEV1	BCL2L1	cg13852791	rs73612002	A	G	0.627	0.042	0.085	1.29E-50	-0.012	0.004	0.008	0.057	223.749	TRUE	1.37E-47
FEV1	BCL2L1	cg13852791	rs76386673	A	T	-0.192	0.034	0.142	1.95E-08	0.011	0.003	8.99E-04	0.008	31.528	TRUE	1.42E-07
FEV1	BCL2L1	cg13989999	rs141235157	G	A	0.383	0.064	0.034	2.33E-09	-0.007	0.007	0.306	0.010	35.655	TRUE	5.37E-09
FEV1	BCL2L1	cg13989999	rs6059440	A	G	0.152	0.025	0.310	1.06E-09	-0.011	0.003	2.74E-05	0.010	37.194	TRUE	1.53E-08
FEV1	BCL2L1	cg13989999	rs7266148	T	G	0.395	0.029	0.201	3.35E-42	-0.010	0.003	3.45E-04	0.048	185.215	TRUE	3.79E-39
FEV1	BCL2L14	cg00630991	rs12824766	G	T	-0.153	0.024	0.404	1.58E-10	0.004	0.003	0.142	0.011	40.901	TRUE	5.24E-10
FEV1	BCL2L14	cg00630991	rs2448049	G	A	-0.352	0.026	0.272	1.72E-41	0.001	0.003	0.852	0.047	181.963	TRUE	2.33E-40
FEV1	BCL2L14	cg00630991	rs79355548	A	C	0.369	0.052	0.055	1.70E-12	-0.011	0.005	0.023	0.013	49.773	TRUE	1.13E-11
FEV1	BCL2L14	cg01175610	rs2287153	C	T	-0.224	0.026	0.266	4.41E-18	0.006	0.003	0.014	0.020	75.090	TRUE	6.08E-17
FEV1	BCL2L14	cg01175610	rs7972500	C	G	0.156	0.027	0.278	4.15E-09	-0.003	0.003	0.221	0.009	34.534	TRUE	1.03E-08
FEV1	BCL2L14	cg01934781	rs2287153	C	T	-0.308	0.026	0.266	4.78E-33	0.006	0.003	0.014	0.037	143.334	TRUE	3.75E-31
FEV1	BCL2L14	cg10156274	rs2448050	G	A	-0.129	0.023	0.432	2.93E-08	-0.002	0.002	0.492	0.008	30.737	TRUE	5.14E-08
FEV1	BCL2L14	cg10156274	rs73053321	T	C	-0.884	0.107	0.022	1.41E-16	-0.001	0.007	0.929	0.018	68.259	TRUE	2.64E-16
FEV1	BCL2L14	cg10156274	rs73053329	G	T	0.339	0.051	0.058	3.22E-11	-0.011	0.005	0.019	0.012	44.017	TRUE	1.96E-10
FEV1	BCL2L14	cg10156274	rs879732	C	T	-0.188	0.024	0.427	3.57E-15	0.005	0.002	0.056	0.016	61.888	TRUE	2.37E-14
FEV1	BCL2L14	cg18223430	rs11054647	A	G	-1.117	0.046	0.066	4.56E-131	0.005	0.005	0.332	0.138	593.079	TRUE	1.61E-122
FEV1	BCL2L14	cg18223430	rs11054690	C	G	-0.179	0.031	0.166	6.51E-09	0.005	0.003	0.168	0.009	33.657	TRUE	1.79E-08
FEV1	BCL2L14	cg18223430	rs144716119	C	A	-0.659	0.097	0.013	1.21E-11	-0.010	0.010	0.313	0.012	45.925	TRUE	3.26E-11
FEV1	BCL2L14	cg18223430	rs1904238	G	A	-0.249	0.025	0.338	7.86E-24	0.004	0.002	0.131	0.027	101.258	TRUE	9.01E-23
FEV1	BCL2L14	cg18223430	rs1990699	C	G	-0.663	0.024	0.319	1.52E-171	0.007	0.003	0.007	0.174	779.112	TRUE	2.95E-156
FEV1	BCL2L14	cg18223430	rs2448047	T	G	0.170	0.023	0.431	3.94E-13	-0.002	0.002	0.525	0.014	52.646	TRUE	9.02E-13
FEV1	BCL2L14	cg18223430	rs67704716	A	G	0.208	0.030	0.208	1.64E-12	-0.006	0.003	0.039	0.013	49.848	TRUE	9.32E-12
FEV1	BCL2L14	cg18223430	rs7958777	A	C	0.394	0.049	0.119	8.32E-16	-0.005	0.004	0.188	0.017	64.757	TRUE	3.81E-15
FEV1	BCL2L14	cg20141578	rs10845467	C	T	0.397	0.024	0.418	4.11E-62	-0.004	0.002	0.067	0.070	276.464	TRUE	7.73E-59
FEV1	BCL2L14	cg20141578	rs137918478	T	C	0.394	0.054	0.052	1.84E-13	-0.018	0.005	6.31E-04	0.014	54.141	TRUE	2.96E-12
FEV1	BCL2L14	cg20141578	rs139138993	G	T	-0.872	0.023	0.265	<1E-200	-0.005	0.003	0.050	0.284	1469.445	TRUE	9.05E-281
FEV1	BCL2L14	cg20141578	rs1641719	T	C	0.351	0.037	0.232	4.72E-21	-0.004	0.003	0.154	0.023	88.599	TRUE	3.82E-20
FEV1	BCL2L14	cg20141578	rs16907647	C	T	0.357	0.047	0.061	3.76E-14	0.007	0.005	0.192	0.015	57.259	TRUE	1.51E-13
FEV1	BCL2L14	cg20141578	rs16907705	C	T	0.212	0.024	0.382	1.33E-18	-0.002	0.002	0.501	0.021	77.448	TRUE	4.52E-18
FEV1	BCL2L14	cg20141578	rs17757771	G	A	-0.676	0.055	0.045	1.30E-34	0.016	0.005	0.003	0.039	150.490	TRUE	2.34E-32
FEV1	BCL2L14	cg20141578	rs17757816	C	T	-0.562	0.048	0.119	2.53E-31	-0.005	0.004	0.188	0.035	135.453	TRUE	4.75E-30
FEV1	BCL2L14	cg20141578	rs2160525	A	G	0.188	0.031	0.190	9.78E-10	0.001	0.003	0.853	0.010	37.347	TRUE	1.42E-09
FEV1	BCL2L14	cg20141578	rs4469989	T	C	0.194	0.024	0.448	2.03E-16	-0.002	0.002	0.326	0.018	67.541	TRUE	7.68E-16
FEV1	BCL2L14	cg20141578	rs6488497	G	C	-0.357	0.046	0.083	1.46E-14	-0.001	0.004	0.757	0.016	59.117	TRUE	2.89E-14
FEV1	BCL2L14	cg20141578	rs885637	A	G	0.348	0.025	0.298	1.04E-42	-0.004	0.003	0.079	0.048	187.541	TRUE	1.20E-40
FEV1	BCL2L14	cg20481287	rs10845467	C	T	0.306	0.024	0.418	4.98E-37	-0.004	0.002	0.067	0.042	161.542	TRUE	3.19E-35
FEV1	BCL2L14	cg20481287	rs10845488	C	A	0.174	0.031	0.176	1.39E-08	-0.005	0.003	0.107	0.009	32.188	TRUE	4.20E-08
FEV1	BCL2L14	cg20481287	rs11054679	T	C	-0.169	0.024	0.360	3.78E-12	0.003	0.002	0.276	0.013	48.208	TRUE	1.11E-11
FEV1	BCL2L14	cg20481287	rs17757771	G	A	-0.570	0.055	0.045	5.95E-25	0.016	0.005	0.003	0.028	106.368	TRUE	3.06E-23
FEV1	BCL2L14	cg20481287	rs2909003	C	T	0.384	0.040	0.095	4.01E-22	0.001	0.004	0.837	0.025	93.474	TRUE	1.14E-21
FEV1	BCL2L14	cg20481287	rs4469989	T	C	0.140	0.024	0.448	3.52E-09	-0.002	0.002	0.326	0.009	34.856	TRUE	7.87E-09
FEV1	BCL2L14	cg20481287	rs4763773	G	A	-0.761	0.024	0.263	9.26E-212	0.006	0.003	0.029	0.207	963.997	TRUE	4.32E-191

FEV1	BCL2L14	cg20481287	rs74531406	A	G	0.273	0.044	0.072	8.37E-10	-0.007	0.004	0.082	0.010	37.652	TRUE	3.02E-09
FEV1	BCL2L14	cg20481287	rs885637	A	G	0.293	0.025	0.298	1.67E-30	-0.004	0.003	0.079	0.034	131.708	TRUE	4.72E-29
FEV1	BCL2L14	cg24921858	rs17757771	G	A	-0.314	0.056	0.045	1.54E-08	0.016	0.005	0.003	0.009	31.985	TRUE	9.53E-08
FEV1	BCL2L14	cg24921858	rs1990699	C	G	-0.387	0.025	0.319	1.03E-55	0.007	0.003	0.007	0.063	247.123	TRUE	2.60E-52
FEV1	BCL2L14	cg24921858	rs7972500	C	G	0.187	0.027	0.278	2.42E-12	-0.003	0.003	0.221	0.013	49.085	TRUE	7.72E-12
FEV1	BCL2L14	cg27366072	rs2287153	C	T	-0.227	0.026	0.266	1.46E-18	0.006	0.003	0.014	0.020	77.275	TRUE	2.12E-17
FEV1	BEST1	cg22892043	rs12225574	G	A	0.244	0.042	0.082	8.44E-09	-0.008	0.004	0.066	0.009	33.153	TRUE	2.95E-08
FEV1	BIK	cg01341487	rs2076161	C	G	0.269	0.032	0.156	9.46E-17	0.003	0.003	0.432	0.018	69.042	TRUE	3.09E-16
FEV1	BIK	cg01341487	rs3819674	G	A	0.292	0.044	0.073	4.72E-11	0.003	0.004	0.507	0.012	43.268	TRUE	9.74E-11
FEV1	BIK	cg01341487	rs5751435	T	C	-0.725	0.034	0.133	3.81E-100	0.008	0.004	0.033	0.109	451.027	TRUE	1.30E-93
FEV1	BIK	cg01341487	rs5751444	A	G	-0.261	0.027	0.249	1.07E-21	0.000	0.003	0.976	0.024	91.539	TRUE	2.54E-21
FEV1	BIK	cg01341487	rs5759167	G	T	0.290	0.023	0.490	4.74E-35	0.000	0.002	0.848	0.040	152.495	TRUE	3.47E-34
FEV1	BIK	cg01341487	rs62231650	T	C	-0.657	0.116	0.026	1.62E-08	-0.001	0.009	0.948	0.009	31.882	TRUE	2.08E-08
FEV1	BIK	cg01341487	rs9620115	G	A	0.293	0.033	0.153	5.07E-19	0.000	0.003	1.000	0.021	79.357	TRUE	1.00E-18
FEV1	BIK	cg02601893	rs2076079	A	G	-0.201	0.025	0.327	9.71E-16	0.005	0.003	0.062	0.017	64.455	TRUE	6.63E-15
FEV1	BIK	cg04042468	rs12168319	T	C	-0.580	0.034	0.136	1.44E-64	0.006	0.004	0.083	0.072	287.724	TRUE	3.44E-61
FEV1	BIK	cg04042468	rs3819674	G	A	0.306	0.044	0.073	5.02E-12	0.003	0.004	0.507	0.013	47.654	TRUE	1.10E-11
FEV1	BIK	cg04042468	rs5759167	G	T	0.306	0.023	0.490	6.16E-39	0.000	0.002	0.848	0.044	170.272	TRUE	6.39E-38
FEV1	BIK	cg04042468	rs5996265	A	G	0.416	0.049	0.055	1.84E-17	0.000	0.005	0.998	0.019	72.265	TRUE	3.36E-17
FEV1	BIK	cg04042468	rs62232063	C	T	0.199	0.024	0.412	5.33E-17	0.000	0.002	0.857	0.019	70.173	TRUE	1.08E-16
FEV1	BIK	cg04042468	rs62232065	A	C	-0.171	0.029	0.222	2.40E-09	0.000	0.003	0.966	0.010	35.596	TRUE	3.12E-09
FEV1	BIK	cg04042468	rs9620115	G	A	0.247	0.033	0.153	6.50E-14	0.000	0.003	1.000	0.015	56.184	TRUE	9.96E-14
FEV1	BIK	cg04304450	rs2245947	G	T	0.149	0.025	0.330	3.21E-09	0.005	0.003	0.044	0.009	35.031	TRUE	1.27E-08
FEV1	BIK	cg05251389	rs11705016	A	G	0.194	0.031	0.178	5.74E-10	0.000	0.003	0.995	0.010	38.386	TRUE	7.47E-10
FEV1	BIK	cg07972488	rs4988364	A	C	-0.197	0.035	0.135	1.55E-08	0.006	0.004	0.075	0.009	31.971	TRUE	5.12E-08
FEV1	BIK	cg07972488	rs5759168	G	A	0.247	0.033	0.160	4.17E-14	0.001	0.003	0.790	0.015	57.057	TRUE	7.91E-14
FEV1	BIK	cg08954856	rs12168319	T	C	-0.264	0.035	0.136	3.18E-14	0.006	0.004	0.083	0.015	57.591	TRUE	1.75E-13
FEV1	BIK	cg08954856	rs5759167	G	T	0.161	0.024	0.490	9.54E-12	0.000	0.002	0.848	0.012	46.395	TRUE	1.49E-11
FEV1	BIK	cg09263116	rs135016	C	T	0.315	0.052	0.054	1.78E-09	0.002	0.005	0.638	0.010	36.179	TRUE	2.98E-09
FEV1	BIK	cg09263116	rs2076161	C	G	0.294	0.032	0.156	1.10E-19	0.003	0.003	0.432	0.022	82.372	TRUE	4.45E-19
FEV1	BIK	cg09263116	rs3819674	G	A	0.243	0.044	0.073	4.46E-08	0.003	0.004	0.507	0.008	29.921	TRUE	7.71E-08
FEV1	BIK	cg09263116	rs5751435	T	C	-0.612	0.034	0.133	1.70E-70	0.008	0.004	0.033	0.078	314.918	TRUE	2.03E-66
FEV1	BIK	cg09263116	rs5751444	A	G	-0.242	0.027	0.249	8.30E-19	0.000	0.003	0.976	0.021	78.384	TRUE	1.67E-18
FEV1	BIK	cg09263116	rs5759167	G	T	0.294	0.023	0.490	5.92E-36	0.000	0.002	0.848	0.041	156.626	TRUE	4.69E-35
FEV1	BIK	cg09263116	rs9620115	G	A	0.246	0.033	0.153	8.32E-14	0.000	0.003	1.000	0.015	55.698	TRUE	1.27E-13
FEV1	BIK	cg10513709	rs12168319	T	C	-0.354	0.034	0.136	1.06E-24	0.006	0.004	0.083	0.028	105.230	TRUE	1.60E-23
FEV1	BIK	cg10513709	rs2413742	A	G	0.181	0.031	0.172	5.14E-09	0.001	0.003	0.688	0.009	34.119	TRUE	8.13E-09
FEV1	BIK	cg10513709	rs5759167	G	T	0.179	0.024	0.490	3.08E-14	0.000	0.002	0.848	0.015	57.649	TRUE	5.45E-14
FEV1	BIK	cg13698860	rs2066910	C	T	-0.253	0.025	0.330	6.86E-24	0.005	0.003	0.048	0.027	101.527	TRUE	1.18E-22
FEV1	BIK	cg13698860	rs9333351	C	A	-0.382	0.069	0.031	3.68E-08	0.003	0.007	0.640	0.008	30.296	TRUE	5.76E-08
FEV1	BIK	cg13934236	rs872841	C	G	0.149	0.025	0.317	4.60E-09	-0.001	0.003	0.623	0.009	34.335	TRUE	7.61E-09
FEV1	BIK	cg13934236	rs909666	C	T	-0.270	0.033	0.151	2.10E-16	0.007	0.003	0.029	0.018	67.467	TRUE	2.04E-15

FEV1	BIK	cg14971586	rs13055357	C	A	-0.219	0.026	0.281	6.30E-17	0.003	0.003	0.291	0.019	69.844	TRUE	2.64E-16
FEV1	BIK	cg14971586	rs138910	T	C	0.279	0.026	0.278	2.54E-26	0.000	0.003	0.964	0.030	112.619	TRUE	8.15E-26
FEV1	BIK	cg14971586	rs139143960	C	T	0.364	0.054	0.050	2.20E-11	0.002	0.005	0.638	0.012	44.757	TRUE	4.08E-11
FEV1	BIK	cg14971586	rs2076161	C	G	0.295	0.032	0.156	8.53E-20	0.003	0.003	0.432	0.022	82.879	TRUE	3.47E-19
FEV1	BIK	cg14971586	rs5759173	T	C	0.648	0.025	0.270	2.90E-147	0.001	0.003	0.672	0.153	667.509	TRUE	1.79E-137
FEV1	BIK	cg14971586	rs5759198	A	G	-0.187	0.033	0.149	1.10E-08	-0.002	0.003	0.610	0.009	32.639	TRUE	1.80E-08
FEV1	BIK	cg14971586	rs7291800	C	A	0.263	0.047	0.063	2.50E-08	-0.001	0.005	0.917	0.008	31.045	TRUE	3.25E-08
FEV1	BIK	cg14971586	rs760771	G	T	0.333	0.033	0.143	1.37E-24	0.001	0.003	0.696	0.028	104.719	TRUE	5.44E-24
FEV1	BIK	cg14971586	rs872842	T	A	-0.406	0.034	0.135	2.64E-32	0.007	0.004	0.043	0.036	139.937	TRUE	1.22E-30
FEV1	BIK	cg14971586	rs9608010	A	G	0.140	0.024	0.377	5.34E-09	0.003	0.002	0.290	0.009	34.045	TRUE	1.24E-08
FEV1	BIK	cg17179881	rs1883264	C	G	-0.184	0.033	0.153	2.40E-08	0.000	0.003	0.979	0.008	31.126	TRUE	2.99E-08
FEV1	BIK	cg17967224	rs4988372	T	C	-0.210	0.035	0.132	2.36E-09	0.007	0.004	0.069	0.010	35.634	TRUE	8.47E-09
FEV1	BIK	cg17967224	rs5759168	G	A	0.291	0.033	0.160	6.52E-19	0.001	0.003	0.790	0.021	78.863	TRUE	1.63E-18
FEV1	BIK	cg20550677	rs4988364	A	C	-0.256	0.035	0.135	1.94E-13	0.006	0.004	0.075	0.014	54.039	TRUE	1.03E-12
FEV1	BIK	cg20550677	rs5759168	G	A	0.220	0.033	0.160	2.02E-11	0.001	0.003	0.790	0.012	44.931	TRUE	3.33E-11
FEV1	BIK	cg26453588	rs12168319	T	C	-0.694	0.034	0.136	2.95E-93	0.006	0.004	0.083	0.102	419.395	TRUE	1.13E-87
FEV1	BIK	cg26453588	rs3819674	G	A	0.263	0.044	0.073	3.06E-09	0.003	0.004	0.507	0.009	35.124	TRUE	5.67E-09
FEV1	BIK	cg26453588	rs5751444	A	G	-0.239	0.027	0.249	2.50E-18	0.000	0.003	0.976	0.020	76.205	TRUE	4.92E-18
FEV1	BIK	cg26453588	rs5759167	G	T	0.320	0.023	0.490	2.71E-42	0.000	0.002	0.848	0.048	185.638	TRUE	3.88E-41
FEV1	BIK	cg26453588	rs5996265	A	G	0.461	0.049	0.055	3.95E-21	0.000	0.005	0.998	0.023	88.952	TRUE	8.79E-21
FEV1	BIK	cg26453588	rs9620115	G	A	0.255	0.033	0.153	1.03E-14	0.000	0.003	1.000	0.016	59.804	TRUE	1.64E-14
FEV1	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	-0.008	0.002	0.001	0.027	101.937	TRUE	3.29E-22
FEV1	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	-0.002	0.003	0.418	0.008	29.870	TRUE	8.52E-08
FEV1	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	0.005	0.004	0.186	0.009	33.922	TRUE	1.50E-08
FEV1	BLK	cg13440894	rs1478901	C	G	-0.182	0.029	0.268	4.11E-10	-0.006	0.003	0.030	0.010	39.039	TRUE	1.95E-09
FEV1	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	-0.005	0.002	0.044	0.076	306.232	TRUE	9.15E-65
FEV1	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	-0.007	0.004	0.047	0.048	184.887	TRUE	5.57E-40
FEV1	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	-0.003	0.003	0.395	0.010	36.822	TRUE	2.70E-09
FEV1	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	-0.004	0.002	0.148	0.008	30.918	TRUE	7.17E-08
FEV1	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	-0.005	0.003	0.085	0.012	43.872	TRUE	1.42E-10
FEV1	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	-0.001	0.002	0.732	0.013	48.071	TRUE	7.26E-12
FEV1	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	0.006	0.002	0.006	0.017	62.186	TRUE	4.02E-14
FEV1	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	0.009	0.005	0.085	0.010	37.546	TRUE	3.12E-09
FEV1	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	0.008	0.003	0.014	0.013	47.879	TRUE	3.19E-11
FEV1	BLK	cg21175976	rs11250153	C	G	0.285	0.026	0.376	8.85E-28	-0.007	0.002	0.003	0.031	119.269	TRUE	6.64E-26
FEV1	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	-0.005	0.003	0.101	0.013	47.025	TRUE	2.84E-11
FEV1	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	-0.006	0.003	0.019	0.017	62.911	TRUE	2.03E-14
FEV1	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	-0.002	0.003	0.432	0.027	101.312	TRUE	4.36E-23
FEV1	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	0.010	0.003	1.55E-04	0.030	114.133	TRUE	1.69E-24
FEV1	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	0.011	0.003	2.26E-05	0.021	79.694	TRUE	2.93E-17
FEV1	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	-0.004	0.003	0.086	0.013	50.075	TRUE	6.59E-12
FEV1	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	-0.003	0.003	0.280	0.012	45.214	TRUE	4.81E-11

FEV1	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	-0.003	0.003	0.223	0.021	78.194	TRUE	4.97E-18
FEV1	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	-0.005	0.003	0.124	0.016	61.159	TRUE	2.59E-14
FEV1	BLK	cg21175976	rs13264636	G	C	-0.233	0.030	0.204	9.59E-15	0.000	0.003	0.880	0.016	59.946	TRUE	1.69E-14
FEV1	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	0.007	0.004	0.061	0.011	42.259	TRUE	3.39E-10
FEV1	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	0.002	0.003	0.441	0.009	34.087	TRUE	9.98E-09
FEV1	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	-0.003	0.002	0.198	0.141	608.856	TRUE	2.85E-125
FEV1	BLK	cg21175976	rs2572410	T	A	-0.212	0.026	0.386	1.34E-16	0.006	0.002	0.022	0.018	68.349	TRUE	1.47E-15
FEV1	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	0.009	0.002	2.43E-04	0.038	145.697	TRUE	4.68E-31
FEV1	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	0.006	0.004	0.103	0.013	48.152	TRUE	1.64E-11
FEV1	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	0.004	0.003	0.143	0.013	49.026	TRUE	9.41E-12
FEV1	BLK	cg21175976	rs4455790	C	G	-0.226	0.028	0.262	8.96E-16	0.006	0.003	0.026	0.017	64.613	TRUE	8.25E-15
FEV1	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.004	0.004	0.263	0.012	43.981	TRUE	9.27E-11
FEV1	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	0.015	0.003	2.60E-06	0.012	44.584	TRUE	6.14E-10
FEV1	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	-0.012	0.003	1.69E-06	0.032	121.653	TRUE	1.39E-25
FEV1	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	0.005	0.003	0.127	0.010	38.906	TRUE	1.46E-09
FEV1	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.011	0.004	0.003	0.010	37.442	TRUE	6.81E-09
FEV1	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	-0.003	0.003	0.324	0.009	34.590	TRUE	8.83E-09
FEV1	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	-0.016	0.004	1.92E-04	0.014	53.379	TRUE	5.44E-12
FEV1	BLK	cg21175976	rs77613642	G	C	-0.283	0.048	0.072	5.03E-09	0.009	0.004	0.057	0.009	34.160	TRUE	1.87E-08
FEV1	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	0.013	0.003	6.90E-05	0.018	67.107	TRUE	9.05E-15
FEV1	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	0.006	0.003	0.030	0.023	87.887	TRUE	1.04E-19
FEV1	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	0.001	0.005	0.916	0.009	34.222	TRUE	6.47E-09
FEV1	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	-0.005	0.003	0.094	0.011	42.145	TRUE	3.23E-10
FEV1	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	-0.001	0.003	0.726	0.012	46.067	TRUE	2.00E-11
FEV1	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	0.003	0.003	0.205	0.021	80.540	TRUE	1.67E-18
FEV1	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	-0.006	0.003	0.015	0.027	102.289	TRUE	1.26E-22
FEV1	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	-0.001	0.002	0.732	0.012	43.795	TRUE	6.14E-11
FEV1	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	0.005	0.003	0.069	0.018	66.563	TRUE	2.28E-15
FEV1	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	-0.007	0.003	0.016	0.020	75.040	TRUE	6.34E-17
FEV1	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	-0.008	0.003	0.010	0.024	90.407	TRUE	4.46E-20
FEV1	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	0.001	0.003	0.729	0.313	1684.549	TRUE	<1E-200
FEV1	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	0.006	0.003	0.047	0.027	101.718	TRUE	1.08E-22
FEV1	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	0.004	0.003	0.224	0.017	65.056	TRUE	3.02E-15
FEV1	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	0.001	0.004	0.874	0.008	31.632	TRUE	2.49E-08
FEV1	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	-0.010	0.005	0.032	0.009	31.997	TRUE	6.11E-08
FEV1	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	0.008	0.003	0.014	0.013	50.138	TRUE	1.05E-11
FEV1	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	0.005	0.003	0.059	0.014	52.632	TRUE	2.13E-12
FEV1	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	-0.002	0.003	0.528	0.014	53.975	TRUE	4.73E-13
FEV1	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.000	0.003	0.992	0.026	98.423	TRUE	8.30E-23
FEV1	BLK	cg21701351	rs28446662	A	T	-0.199	0.031	0.222	2.44E-10	-0.001	0.003	0.856	0.011	40.053	TRUE	3.60E-10
FEV1	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	-0.006	0.003	0.048	0.033	127.369	TRUE	4.72E-28
FEV1	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	-0.005	0.003	0.055	0.032	120.724	TRUE	1.06E-26

FEV1	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	0.009	0.003	0.004	0.019	70.592	TRUE	7.43E-16
FEV1	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	-0.006	0.003	0.084	0.012	45.665	TRUE	5.92E-11
FEV1	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	0.007	0.003	0.026	0.014	51.508	TRUE	4.68E-12
FEV1	BLK	cg21701351	rs4455790	C	G	0.290	0.028	0.262	5.83E-25	0.006	0.003	0.026	0.028	106.407	TRUE	1.46E-23
FEV1	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	-0.003	0.002	0.161	0.018	67.488	TRUE	1.06E-15
FEV1	BLK	cg21701351	rs4841381	G	C	0.258	0.029	0.245	8.55E-19	0.012	0.003	1.04E-05	0.021	78.327	TRUE	6.30E-17
FEV1	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	0.006	0.004	0.185	0.014	52.465	TRUE	1.62E-12
FEV1	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	-0.006	0.003	0.051	0.021	77.669	TRUE	1.17E-17
FEV1	BLK	cg21701351	rs55718444	C	G	-0.388	0.053	0.064	1.96E-13	0.004	0.005	0.396	0.014	54.016	TRUE	5.35E-13
FEV1	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	0.012	0.005	0.011	0.020	76.906	TRUE	2.79E-17
FEV1	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	0.007	0.003	0.056	0.019	70.382	TRUE	4.03E-16
FEV1	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	-0.004	0.004	0.209	0.024	91.221	TRUE	9.02E-21
FEV1	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	-0.008	0.003	0.010	0.012	43.998	TRUE	2.35E-10
FEV1	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	0.005	0.003	0.115	0.017	65.111	TRUE	3.87E-15
FEV1	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	0.007	0.003	0.009	0.042	160.723	TRUE	1.23E-34
FEV1	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	-0.005	0.004	0.227	0.014	52.494	TRUE	1.46E-12
FEV1	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	0.007	0.004	0.047	0.021	79.437	TRUE	5.25E-18
FEV1	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	-0.006	0.004	0.082	0.018	66.131	TRUE	2.72E-15
FEV1	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	0.008	0.003	0.004	0.027	102.454	TRUE	1.77E-22
FEV1	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.011	0.004	0.004	0.011	42.171	TRUE	6.86E-10
FEV1	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	0.005	0.003	0.077	0.032	123.931	TRUE	2.07E-27
FEV1	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	0.009	0.003	0.002	0.012	44.452	TRUE	2.52E-10
FEV1	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	0.006	0.005	0.256	0.009	31.730	TRUE	4.04E-08
FEV1	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	0.007	0.002	0.002	0.044	170.418	TRUE	2.01E-36
FEV1	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	-0.001	0.002	0.686	0.012	45.211	TRUE	3.11E-11
FEV1	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	0.014	0.003	7.64E-08	0.039	148.483	TRUE	8.28E-31
FEV1	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	-0.008	0.002	0.001	0.051	200.249	TRUE	2.20E-42
FEV1	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	-0.002	0.004	0.569	0.010	38.234	TRUE	1.13E-09
FEV1	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	-0.004	0.004	0.216	0.011	40.412	TRUE	5.70E-10
FEV1	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	-0.003	0.003	0.238	0.013	49.589	TRUE	6.06E-12
FEV1	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	0.003	0.003	0.282	0.012	43.132	TRUE	1.34E-10
FEV1	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	-0.002	0.005	0.731	0.008	30.237	TRUE	5.59E-08
FEV1	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	-0.007	0.003	0.006	0.010	36.761	TRUE	8.59E-09
FEV1	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	-0.006	0.003	0.076	0.008	31.210	TRUE	7.42E-08
FEV1	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	-0.001	0.002	0.714	0.011	40.072	TRUE	4.02E-10
FEV1	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	0.006	0.003	0.063	0.009	33.408	TRUE	2.57E-08
FEV1	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	0.006	0.004	0.070	0.009	33.283	TRUE	2.72E-08
FEV1	BLK	cg24861686	rs77094521	T	A	-0.243	0.044	0.096	3.27E-08	-0.006	0.004	0.137	0.008	30.523	TRUE	8.91E-08
FEV1	BLK	cg24861686	rs7815495	A	T	0.199	0.032	0.195	2.93E-10	0.011	0.003	2.28E-04	0.011	39.699	TRUE	3.56E-09
FEV1	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	0.007	0.002	0.004	0.011	41.209	TRUE	9.96E-10
FEV1	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	-0.005	0.002	0.045	0.084	338.185	TRUE	3.24E-71
FEV1	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	0.007	0.002	0.005	0.010	35.609	TRUE	1.52E-08

FEV1	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	0.004	0.003	0.175	0.012	43.482	TRUE	1.40E-10
FEV1	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	0.008	0.003	0.014	0.013	47.868	TRUE	3.14E-11
FEV1	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	0.015	0.003	4.44E-09	0.010	36.675	TRUE	4.72E-08
FEV1	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	-0.002	0.003	0.507	0.011	40.391	TRUE	4.07E-10
FEV1	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	-0.006	0.004	0.082	0.025	93.325	TRUE	5.05E-21
FEV1	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	0.002	0.003	0.553	0.016	59.780	TRUE	2.59E-14
FEV1	BMF	cg02313495	rs112777220	T	A	-0.437	0.050	0.058	1.09E-18	0.004	0.005	0.460	0.021	77.848	TRUE	3.97E-18
FEV1	BMF	cg02313495	rs34079741	G	A	0.195	0.023	0.453	1.01E-16	0.004	0.002	0.109	0.018	68.914	TRUE	6.33E-16
FEV1	BMF	cg02313495	rs34231574	T	C	-1.079	0.015	0.477	<1E-200	-0.007	0.002	0.005	0.570	4905.019	TRUE	<1E-200
FEV1	BMF	cg02313495	rs489508	A	G	-0.153	0.024	0.414	1.88E-10	0.000	0.002	0.895	0.011	40.562	TRUE	2.70E-10
FEV1	BMF	cg02313495	rs648289	C	T	0.182	0.024	0.416	3.67E-14	-0.001	0.002	0.829	0.015	57.306	TRUE	6.63E-14
FEV1	BMF	cg02313495	rs6492936	C	G	-0.417	0.023	0.420	1.98E-70	-0.002	0.002	0.351	0.078	314.611	TRUE	3.07E-67
FEV1	BMF	cg02313495	rs8042947	G	A	-0.175	0.026	0.259	3.87E-11	-0.003	0.003	0.268	0.012	43.652	TRUE	1.07E-10
FEV1	BMF	cg07712904	rs34245505	G	C	0.184	0.029	0.204	4.17E-10	-0.008	0.003	0.009	0.010	39.008	TRUE	2.58E-09
FEV1	BMF	cg07712904	rs3784394	C	T	-0.145	0.023	0.500	3.34E-10	0.001	0.002	0.634	0.011	39.441	TRUE	5.81E-10
FEV1	BMF	cg07712904	rs569539	A	G	-0.501	0.025	0.285	4.02E-87	0.006	0.003	0.014	0.096	391.231	TRUE	1.95E-81
FEV1	BMF	cg07712904	rs62018159	A	G	0.261	0.029	0.201	3.00E-19	0.000	0.003	0.963	0.021	80.397	TRUE	6.18E-19
FEV1	BMF	cg07887985	rs539846	T	G	0.150	0.024	0.483	2.23E-10	0.005	0.002	0.029	0.011	40.232	TRUE	1.13E-09
FEV1	BMF	cg09587957	rs11631335	A	G	-0.146	0.026	0.299	1.31E-08	0.008	0.003	0.003	0.009	32.297	TRUE	8.46E-08
FEV1	BMF	cg09587957	rs4924423	T	G	-0.218	0.028	0.239	5.87E-15	0.001	0.003	0.745	0.016	60.910	TRUE	1.20E-14
FEV1	BMF	cg09587957	rs8023845	T	G	0.427	0.029	0.198	2.26E-49	-0.001	0.003	0.854	0.056	218.058	TRUE	6.77E-48
FEV1	BMF	cg09749364	rs11637681	G	A	0.177	0.026	0.284	1.11E-11	-0.008	0.003	0.003	0.012	46.091	TRUE	1.05E-10
FEV1	BMF	cg17809595	rs569539	A	G	0.155	0.026	0.285	1.32E-09	0.006	0.003	0.014	0.010	36.757	TRUE	7.34E-09
FEV1	BMF	cg18494902	rs112777220	T	A	-0.295	0.050	0.058	2.90E-09	0.004	0.005	0.460	0.009	35.233	TRUE	5.64E-09
FEV1	BMF	cg18494902	rs12441486	A	G	0.391	0.065	0.038	1.72E-09	0.002	0.006	0.770	0.010	36.247	TRUE	2.61E-09
FEV1	BMF	cg18494902	rs12909145	C	T	0.141	0.024	0.448	2.27E-09	0.004	0.002	0.129	0.010	35.706	TRUE	6.95E-09
FEV1	BMF	cg23895262	rs56143280	A	G	0.148	0.026	0.292	6.25E-09	0.002	0.003	0.482	0.009	33.737	TRUE	1.16E-08
FEV1	BMF	cg23895262	rs648289	C	T	0.261	0.024	0.416	7.48E-28	-0.001	0.002	0.829	0.031	119.603	TRUE	3.19E-27
FEV1	BMF	cg26662201	rs34231574	T	C	-0.149	0.024	0.477	3.38E-10	-0.007	0.002	0.005	0.011	39.419	TRUE	2.36E-09
FEV1	BMP4	cg01873886	rs112534797	T	G	0.471	0.059	0.043	1.02E-15	0.001	0.006	0.842	0.017	64.358	TRUE	1.99E-15
FEV1	BMP4	cg01873886	rs8014071	G	A	0.303	0.024	0.396	2.31E-36	-0.001	0.002	0.705	0.041	158.495	TRUE	2.41E-35
FEV1	BMP4	cg05923197	rs117687204	A	G	-0.179	0.030	0.192	1.51E-09	-0.003	0.003	0.273	0.010	36.508	TRUE	3.67E-09
FEV1	BMP4	cg05923197	rs12892676	T	C	-0.144	0.025	0.348	1.03E-08	-0.004	0.003	0.143	0.009	32.758	TRUE	2.85E-08
FEV1	BMP4	cg05923197	rs7154598	T	C	-0.295	0.024	0.457	1.21E-35	0.006	0.002	0.007	0.040	155.206	TRUE	1.99E-33
FEV1	BMP4	cg05923197	rs74860610	G	A	-0.398	0.060	0.039	2.50E-11	0.008	0.006	0.146	0.012	44.507	TRUE	8.74E-11
FEV1	BMP4	cg05928290	rs74860610	G	A	-0.370	0.060	0.039	5.60E-10	0.008	0.006	0.146	0.010	38.435	TRUE	1.74E-09
FEV1	BMP4	cg05928290	rs75175834	C	T	-0.163	0.030	0.193	3.78E-08	-0.003	0.003	0.315	0.008	30.242	TRUE	7.87E-08
FEV1	BMP4	cg08046044	rs112534797	T	G	0.376	0.059	0.043	1.77E-10	0.001	0.006	0.842	0.011	40.686	TRUE	2.66E-10
FEV1	BMP4	cg08046044	rs8014071	G	A	0.214	0.024	0.396	1.22E-18	-0.001	0.002	0.705	0.021	77.621	TRUE	3.25E-18
FEV1	BMP4	cg09367901	rs942316	A	C	-0.525	0.096	0.034	3.84E-08	0.010	0.007	0.140	0.008	30.212	TRUE	1.02E-07
FEV1	BMP4	cg20297199	rs12895262	A	T	0.231	0.042	0.081	4.86E-08	0.005	0.004	0.248	0.008	29.757	TRUE	1.09E-07
FEV1	BMP4	cg24526899	rs7154598	T	C	-0.161	0.024	0.457	1.72E-11	0.006	0.002	0.007	0.012	45.247	TRUE	1.41E-10

FEV1	BMP4	cg24526899	rs75175834	C	T	-0.166	0.030	0.193	1.84E-08	-0.003	0.003	0.315	0.008	31.636	TRUE	3.92E-08
FEV1	BNIP3	cg02038273	rs143252467	A	G	0.203	0.032	0.165	1.97E-10	-0.001	0.003	0.712	0.011	40.474	TRUE	3.29E-10
FEV1	BNIP3	cg02365648	rs10870232	G	T	-0.259	0.027	0.252	4.88E-22	0.002	0.003	0.567	0.025	93.086	TRUE	1.98E-21
FEV1	BNIP3	cg02365648	rs10870323	A	G	-0.156	0.026	0.283	2.09E-09	0.002	0.003	0.568	0.010	35.868	TRUE	3.73E-09
FEV1	BNIP3	cg02365648	rs11146322	T	C	-0.169	0.026	0.308	3.87E-11	-0.008	0.003	0.002	0.012	43.655	TRUE	3.83E-10
FEV1	BNIP3	cg02365648	rs117262064	T	G	-1.522	0.064	0.034	2.98E-123	0.000	0.007	0.949	0.131	557.171	TRUE	2.12E-116
FEV1	BNIP3	cg02365648	rs12250241	C	T	-0.322	0.045	0.071	1.45E-12	-0.003	0.005	0.551	0.013	50.086	TRUE	3.13E-12
FEV1	BNIP3	cg02365648	rs145948725	A	C	-0.745	0.064	0.032	1.33E-31	-0.003	0.006	0.679	0.036	136.732	TRUE	9.47E-31
FEV1	BNIP3	cg02365648	rs2247705	G	A	-0.187	0.031	0.168	1.55E-09	-0.005	0.003	0.157	0.010	36.447	TRUE	4.56E-09
FEV1	BNIP3	cg02365648	rs2814189	A	G	-0.199	0.028	0.238	4.20E-13	-0.003	0.003	0.219	0.014	52.517	TRUE	1.45E-12
FEV1	BNIP3	cg02365648	rs67860580	A	G	-0.423	0.037	0.113	6.69E-30	-0.003	0.004	0.383	0.034	128.956	TRUE	6.76E-29
FEV1	BNIP3	cg02365648	rs72853197	T	G	-0.163	0.025	0.326	8.48E-11	0.000	0.003	0.876	0.011	42.120	TRUE	1.26E-10
FEV1	BNIP3	cg02365648	rs77963347	T	C	-0.755	0.059	0.041	4.39E-38	-0.004	0.006	0.485	0.043	166.369	TRUE	8.06E-37
FEV1	BNIP3	cg02365648	rs79575145	A	G	-0.337	0.044	0.077	9.88E-15	0.000	0.004	0.961	0.016	59.888	TRUE	1.63E-14
FEV1	BNIP3	cg02388416	rs112782563	T	C	-0.461	0.032	0.160	2.21E-48	-0.002	0.003	0.585	0.055	213.518	TRUE	1.02E-46
FEV1	BNIP3	cg02388416	rs9419406	C	A	-0.296	0.024	0.440	2.07E-35	-0.007	0.002	0.004	0.040	154.140	TRUE	3.33E-33
FEV1	BNIP3	cg02835981	rs12784653	C	G	0.228	0.033	0.143	8.17E-12	-0.002	0.003	0.550	0.012	46.698	TRUE	1.71E-11
FEV1	BNIP3	cg02886408	rs12784653	C	G	0.265	0.033	0.143	2.51E-15	-0.002	0.003	0.550	0.017	62.581	TRUE	6.52E-15
FEV1	BNIP3	cg02886408	rs72855581	T	A	-0.333	0.032	0.160	1.01E-25	-0.002	0.003	0.574	0.029	109.890	TRUE	5.24E-25
FEV1	BNIP3	cg05762616	rs4880263	T	C	-0.380	0.027	0.255	4.31E-46	0.002	0.003	0.538	0.052	203.033	TRUE	1.68E-44
FEV1	BNIP3	cg09656274	rs4880263	T	C	-0.238	0.027	0.255	4.64E-19	0.002	0.003	0.538	0.021	79.536	TRUE	1.57E-18
FEV1	BNIP3	cg12751948	rs143252467	A	G	0.299	0.032	0.165	6.34E-21	-0.001	0.003	0.712	0.023	88.017	TRUE	1.95E-20
FEV1	BNIP3	cg12751948	rs45474491	T	G	0.773	0.135	0.016	1.04E-08	0.000	0.010	0.974	0.009	32.755	TRUE	1.31E-08
FEV1	BNIP3	cg15390444	rs45474491	T	G	0.743	0.135	0.016	3.73E-08	0.000	0.010	0.974	0.008	30.270	TRUE	4.62E-08
FEV1	BNIP3	cg15390444	rs45519634	T	C	0.445	0.032	0.162	1.17E-43	0.000	0.003	0.919	0.049	191.893	TRUE	1.72E-42
FEV1	BNIP3	cg18477674	rs45519634	T	C	0.384	0.032	0.162	8.69E-33	0.000	0.003	0.919	0.037	142.146	TRUE	4.80E-32
FEV1	BNIP3	cg20216030	rs3737058	A	G	0.292	0.024	0.324	6.20E-33	-0.007	0.002	0.003	0.037	142.816	TRUE	8.71E-31
FEV1	BNIP3	cg20216030	rs45474491	T	G	-0.920	0.135	0.016	8.62E-12	0.000	0.010	0.974	0.012	46.595	TRUE	1.23E-11
FEV1	BNIP3	cg21762589	rs3737058	A	G	-0.181	0.025	0.324	4.82E-13	-0.007	0.002	0.003	0.014	52.251	TRUE	5.41E-12
FEV1	BNIP3	cg23471067	rs45519634	T	C	0.391	0.032	0.162	7.26E-34	0.000	0.003	0.919	0.038	147.075	TRUE	4.38E-33
FEV1	BNIP3	cg23606392	rs113614184	T	G	-0.141	0.025	0.333	9.74E-09	-0.007	0.003	0.009	0.009	32.875	TRUE	5.06E-08
FEV1	BNIP3	cg25123362	rs7079909	T	C	0.343	0.032	0.162	1.34E-26	0.000	0.003	0.921	0.030	113.890	TRUE	4.63E-26
FEV1	BNIP3	cg25233900	rs45519634	T	C	0.308	0.032	0.162	1.51E-21	0.000	0.003	0.919	0.024	90.848	TRUE	3.76E-21
FEV1	BOK	cg00318320	rs115230843	T	C	0.550	0.096	0.017	9.60E-09	-0.002	0.009	0.789	0.009	32.903	TRUE	1.39E-08
FEV1	BOK	cg22999099	rs113344275	T	C	-0.513	0.059	0.040	1.86E-18	-0.008	0.006	0.212	0.020	76.790	TRUE	1.01E-17
FEV1	BOK	cg22999099	rs12695002	C	T	0.333	0.024	0.422	3.57E-45	0.015	0.002	1.15E-09	0.051	198.825	TRUE	1.57E-40
FEV1	BOK	cg22999099	rs142730039	G	A	-0.869	0.092	0.032	3.54E-21	-0.015	0.007	0.024	0.024	89.167	TRUE	5.91E-20
FEV1	BOK	cg22999099	rs35904111	C	G	0.342	0.055	0.108	6.38E-10	-0.004	0.004	0.350	0.010	38.180	TRUE	1.44E-09
FEV1	BOK	cg22999099	rs4675930	T	C	0.307	0.041	0.229	6.84E-14	0.008	0.003	0.003	0.015	56.083	TRUE	8.21E-13
FEV1	BOK	cg22999099	rs62191342	G	C	0.240	0.039	0.249	1.24E-09	0.004	0.003	0.168	0.010	36.891	TRUE	3.59E-09
FEV1	BOK	cg22999099	rs6757649	A	G	-0.163	0.023	0.449	3.36E-12	-0.006	0.002	0.021	0.013	48.442	TRUE	2.19E-11
FEV1	BOK	cg22999099	rs7420703	C	T	-1.170	0.030	0.137	<1E-200	-0.011	0.003	0.002	0.292	1524.014	TRUE	2.56E-288

FEV1	BOK	cg22999099	rs7424328	C	T	-0.266	0.035	0.453	1.73E-14	0.001	0.003	0.599	0.016	58.789	TRUE	4.04E-14
FEV1	BOK	cg22999099	rs75289375	T	C	-0.769	0.057	0.051	6.64E-41	-0.008	0.006	0.196	0.046	179.276	TRUE	3.42E-39
FEV1	BOK	cg23959977	rs10168241	A	G	-0.282	0.049	0.135	9.18E-09	-0.002	0.004	0.632	0.009	32.989	TRUE	1.50E-08
FEV1	BOK	cg23959977	rs13015179	G	A	-0.444	0.030	0.187	3.31E-49	-0.001	0.003	0.841	0.055	217.301	TRUE	1.01E-47
FEV1	BOK	cg23959977	rs13423154	T	C	-0.174	0.024	0.357	6.44E-13	-0.012	0.002	3.95E-07	0.014	51.680	TRUE	3.05E-11
FEV1	BOK	cg23959977	rs142708184	G	C	-0.599	0.103	0.029	5.77E-09	-0.009	0.008	0.257	0.009	33.891	TRUE	1.37E-08
FEV1	BOK	cg23959977	rs142730039	G	A	-0.646	0.092	0.032	2.85E-12	-0.015	0.007	0.024	0.013	48.763	TRUE	1.82E-11
FEV1	BOK	cg23959977	rs36030965	A	C	-1.027	0.033	0.137	9.29E-219	-0.011	0.003	0.002	0.212	996.179	TRUE	8.14E-196
FEV1	BOK	cg23959977	rs56390343	A	C	-0.368	0.025	0.303	1.82E-47	-0.011	0.003	1.25E-05	0.054	209.330	TRUE	1.25E-43
FEV1	BOK	cg23959977	rs62191342	G	C	0.243	0.039	0.249	7.78E-10	0.004	0.003	0.168	0.010	37.795	TRUE	2.30E-09
FEV1	BOK	cg23959977	rs62193476	A	G	0.396	0.035	0.354	3.74E-29	0.007	0.003	0.007	0.033	125.544	TRUE	2.61E-27
FEV1	BOK	cg23959977	rs73014018	A	G	-0.187	0.029	0.215	5.98E-11	0.003	0.003	0.304	0.011	42.803	TRUE	1.52E-10
FEV1	BOK	cg23959977	rs7369408	A	G	0.232	0.028	0.221	4.92E-17	-0.011	0.003	1.72E-04	0.019	70.331	TRUE	1.70E-15
FEV1	BOK	cg23959977	rs7424328	C	T	-0.282	0.035	0.453	3.64E-16	0.001	0.003	0.599	0.018	66.385	TRUE	9.46E-16
FEV1	BOK	cg23959977	rs75289375	T	C	-0.596	0.058	0.051	5.60E-25	-0.008	0.006	0.196	0.028	106.489	TRUE	5.63E-24
FEV1	BOK	cg23959977	rs75629307	T	C	-0.358	0.042	0.080	2.11E-17	-0.002	0.004	0.595	0.019	71.998	TRUE	5.92E-17
FEV1	BOK	cg23959977	rs7601000	T	A	0.326	0.040	0.231	3.33E-16	0.002	0.003	0.492	0.018	66.559	TRUE	9.77E-16
FEV1	BOK	cg24436906	rs115230843	T	C	0.556	0.096	0.017	6.60E-09	-0.002	0.009	0.789	0.009	33.631	TRUE	9.64E-09
FEV1	BOK	cg24436906	rs13423154	T	C	-0.197	0.024	0.357	3.79E-16	-0.012	0.002	3.95E-07	0.018	66.307	TRUE	3.30E-14
FEV1	BOK	cg24828208	rs12695002	C	T	0.168	0.024	0.422	1.71E-12	0.015	0.002	1.15E-09	0.013	49.767	TRUE	1.33E-10
FEV1	BRSK2	cg00370047	rs11606628	T	C	0.159	0.026	0.278	8.44E-10	-0.008	0.003	0.002	0.010	37.637	TRUE	6.44E-09
FEV1	BRSK2	cg00370047	rs117107041	A	G	0.328	0.051	0.053	1.45E-10	0.012	0.005	0.016	0.011	41.070	TRUE	8.52E-10
FEV1	BRSK2	cg00370047	rs66658795	T	C	-0.212	0.023	0.445	1.50E-19	0.005	0.002	0.036	0.022	81.766	TRUE	1.76E-18
FEV1	BRSK2	cg00370047	rs7395006	C	T	0.164	0.024	0.387	1.12E-11	0.006	0.002	0.015	0.012	46.074	TRUE	7.49E-11
FEV1	BRSK2	cg00370047	rs7932863	A	G	0.396	0.026	0.270	1.05E-51	0.003	0.003	0.209	0.058	228.741	TRUE	1.96E-49
FEV1	BRSK2	cg00370047	rs7944761	C	T	-0.152	0.024	0.461	1.32E-10	0.005	0.002	0.044	0.011	41.254	TRUE	6.04E-10
FEV1	BRSK2	cg01122627	rs10768578	T	C	0.291	0.034	0.145	5.37E-18	0.013	0.003	1.39E-04	0.020	74.699	TRUE	2.25E-16
FEV1	BRSK2	cg01122627	rs11026443	T	C	0.343	0.061	0.037	1.77E-08	0.017	0.006	0.002	0.009	31.717	TRUE	1.12E-07
FEV1	BRSK2	cg01122627	rs117107041	A	G	0.337	0.051	0.053	5.54E-11	0.012	0.005	0.016	0.011	42.953	TRUE	3.41E-10
FEV1	BRSK2	cg01122627	rs12284984	A	G	-0.207	0.029	0.203	7.86E-13	0.001	0.003	0.650	0.014	51.289	TRUE	1.57E-12
FEV1	BRSK2	cg01122627	rs150353929	T	C	0.204	0.035	0.131	7.45E-09	0.002	0.003	0.494	0.009	33.396	TRUE	1.36E-08
FEV1	BRSK2	cg01122627	rs4072884	C	T	0.428	0.024	0.405	1.32E-73	0.007	0.002	0.007	0.082	329.188	TRUE	6.97E-69
FEV1	BRSK2	cg01122627	rs7110854	T	C	0.230	0.031	0.171	2.61E-13	0.002	0.003	0.517	0.014	53.456	TRUE	6.13E-13
FEV1	BRSK2	cg01122627	rs72847939	T	C	-0.476	0.081	0.017	3.87E-09	-0.002	0.009	0.785	0.009	34.670	TRUE	5.69E-09
FEV1	BRSK2	cg01122627	rs7395567	T	C	0.285	0.027	0.266	7.86E-27	0.003	0.003	0.209	0.030	114.940	TRUE	9.17E-26
FEV1	BRSK2	cg01122627	rs9651638	G	A	0.209	0.026	0.285	9.79E-16	0.002	0.003	0.351	0.017	64.438	TRUE	3.33E-15
FEV1	BRSK2	cg01468621	rs7395567	T	C	-0.150	0.027	0.266	1.82E-08	0.003	0.003	0.209	0.008	31.657	TRUE	4.49E-08
FEV1	BRSK2	cg01660630	rs10734285	A	C	-0.252	0.031	0.172	6.56E-16	-0.004	0.003	0.211	0.017	65.226	TRUE	2.85E-15
FEV1	BRSK2	cg01660630	rs10837858	A	G	0.297	0.053	0.051	2.21E-08	0.004	0.005	0.440	0.008	31.288	TRUE	4.15E-08
FEV1	BRSK2	cg01660630	rs11599943	T	C	0.566	0.066	0.031	1.23E-17	0.013	0.007	0.039	0.019	73.063	TRUE	1.21E-16
FEV1	BRSK2	cg01660630	rs11604075	T	C	0.312	0.026	0.285	4.29E-34	-0.007	0.003	0.004	0.039	148.119	TRUE	6.19E-32
FEV1	BRSK2	cg01660630	rs117654829	T	A	0.771	0.098	0.038	3.57E-15	-0.001	0.007	0.928	0.016	61.892	TRUE	6.23E-15

FEV1	BRSK2	cg01660630	rs28386994	T	A	-0.204	0.029	0.206	1.34E-12	0.006	0.003	0.054	0.013	50.247	TRUE	7.00E-12
FEV1	BRSK2	cg01660630	rs34666042	T	C	0.301	0.032	0.164	1.17E-21	-0.005	0.003	0.123	0.024	91.355	TRUE	1.10E-20
FEV1	BRSK2	cg01660630	rs3793964	T	C	-0.348	0.024	0.368	2.69E-47	0.003	0.002	0.231	0.053	208.547	TRUE	2.64E-45
FEV1	BRSK2	cg01660630	rs4881724	A	G	-0.320	0.037	0.116	3.92E-18	-0.002	0.004	0.682	0.020	75.319	TRUE	1.05E-17
FEV1	BRSK2	cg01660630	rs66496921	C	G	-0.157	0.024	0.405	8.40E-11	0.004	0.002	0.089	0.011	42.140	TRUE	3.19E-10
FEV1	BRSK2	cg01660630	rs7395006	C	T	0.257	0.024	0.387	3.11E-26	0.006	0.002	0.015	0.029	112.213	TRUE	1.08E-24
FEV1	BRSK2	cg01660630	rs7395567	T	C	0.892	0.024	0.266	5.26E-290	0.003	0.003	0.209	0.264	1323.821	TRUE	1.26E-256
FEV1	BRSK2	cg01660630	rs7479551	T	A	0.143	0.025	0.342	9.93E-09	-0.004	0.003	0.100	0.009	32.837	TRUE	3.06E-08
FEV1	BRSK2	cg01660630	rs77338313	A	G	0.755	0.101	0.031	9.03E-14	-0.006	0.008	0.466	0.015	55.537	TRUE	2.33E-13
FEV1	BRSK2	cg01758799	rs11245968	G	A	0.147	0.025	0.341	5.19E-09	-0.004	0.003	0.096	0.009	34.097	TRUE	1.64E-08
FEV1	BRSK2	cg01758799	rs11608241	T	C	0.538	0.092	0.019	4.23E-09	0.006	0.009	0.466	0.009	34.498	TRUE	8.07E-09
FEV1	BRSK2	cg01758799	rs116987758	A	G	0.491	0.089	0.018	3.06E-08	-0.007	0.008	0.357	0.008	30.651	TRUE	6.16E-08
FEV1	BRSK2	cg01758799	rs12280761	C	T	0.254	0.029	0.201	4.85E-18	0.003	0.003	0.361	0.020	74.901	TRUE	1.97E-17
FEV1	BRSK2	cg01758799	rs12289734	T	C	0.228	0.029	0.199	7.56E-15	-0.008	0.003	0.008	0.016	60.414	TRUE	8.38E-14
FEV1	BRSK2	cg01758799	rs1574122	T	C	-0.281	0.030	0.187	4.33E-21	0.004	0.003	0.151	0.023	88.767	TRUE	3.49E-20
FEV1	BRSK2	cg01758799	rs2004828	C	T	0.308	0.024	0.398	2.07E-37	-0.007	0.002	0.003	0.042	163.285	TRUE	5.31E-35
FEV1	BRSK2	cg01758799	rs28728088	T	C	0.158	0.029	0.208	3.44E-08	-0.003	0.003	0.260	0.008	30.423	TRUE	7.59E-08
FEV1	BRSK2	cg01758799	rs3817589	A	G	-0.397	0.031	0.171	7.78E-37	0.004	0.003	0.193	0.042	160.657	TRUE	2.55E-35
FEV1	BRSK2	cg01758799	rs55744154	G	A	-0.315	0.044	0.144	1.40E-12	0.006	0.003	0.078	0.013	50.161	TRUE	6.79E-12
FEV1	BRSK2	cg01758799	rs55910218	T	C	0.606	0.072	0.027	3.78E-17	-0.004	0.008	0.559	0.019	70.848	TRUE	1.09E-16
FEV1	BRSK2	cg01758799	rs60707923	A	G	-0.373	0.026	0.260	4.26E-45	0.000	0.003	0.905	0.051	198.473	TRUE	7.45E-44
FEV1	BRSK2	cg01758799	rs6421033	G	C	-0.232	0.026	0.304	1.32E-19	0.002	0.003	0.390	0.022	82.015	TRUE	5.78E-19
FEV1	BRSK2	cg01758799	rs6578810	G	T	-0.312	0.044	0.080	2.01E-12	0.011	0.004	0.011	0.013	49.452	TRUE	1.58E-11
FEV1	BRSK2	cg01758799	rs7128873	G	A	0.857	0.021	0.347	<1E-200	-0.004	0.003	0.137	0.313	1686.370	TRUE	<1E-200
FEV1	BRSK2	cg01758799	rs7395006	C	T	0.359	0.024	0.387	3.40E-50	0.006	0.002	0.015	0.057	221.828	TRUE	2.58E-47
FEV1	BRSK2	cg01758799	rs74046935	G	A	-0.321	0.025	0.297	2.46E-36	-0.001	0.003	0.585	0.041	158.372	TRUE	3.20E-35
FEV1	BRSK2	cg01758799	rs77338313	A	G	0.767	0.101	0.031	3.56E-14	-0.006	0.008	0.466	0.015	57.365	TRUE	9.45E-14
FEV1	BRSK2	cg02030652	rs10832955	T	C	0.291	0.024	0.368	1.33E-33	0.005	0.002	0.048	0.038	145.870	TRUE	6.93E-32
FEV1	BRSK2	cg02030652	rs11029977	T	C	0.205	0.024	0.389	1.52E-17	0.005	0.002	0.023	0.019	72.644	TRUE	1.72E-16
FEV1	BRSK2	cg02030652	rs11603080	A	C	-0.296	0.054	0.048	4.26E-08	0.012	0.005	0.032	0.008	30.013	TRUE	1.63E-07
FEV1	BRSK2	cg02030652	rs117107041	A	G	-0.455	0.051	0.053	5.92E-19	0.012	0.005	0.016	0.021	79.053	TRUE	8.98E-18
FEV1	BRSK2	cg02030652	rs12808343	G	A	0.211	0.028	0.235	5.85E-14	0.001	0.003	0.661	0.015	56.391	TRUE	1.23E-13
FEV1	BRSK2	cg02030652	rs145553613	C	T	-0.676	0.107	0.031	2.52E-10	0.001	0.009	0.946	0.011	39.993	TRUE	3.47E-10
FEV1	BRSK2	cg02030652	rs34666042	T	C	-0.204	0.032	0.164	9.86E-11	-0.005	0.003	0.123	0.011	41.826	TRUE	3.46E-10
FEV1	BRSK2	cg02030652	rs66658795	T	C	0.239	0.023	0.445	2.06E-24	0.005	0.002	0.036	0.027	103.912	TRUE	4.03E-23
FEV1	BRSK2	cg02030652	rs7395006	C	T	-0.249	0.024	0.387	1.07E-24	0.006	0.002	0.015	0.028	105.200	TRUE	3.11E-23
FEV1	BRSK2	cg02030652	rs7395567	T	C	-0.789	0.025	0.266	5.31E-218	0.003	0.003	0.209	0.212	992.697	TRUE	1.75E-197
FEV1	BRSK2	cg02030652	rs77338313	A	G	-0.723	0.101	0.031	9.78E-13	-0.006	0.008	0.466	0.014	50.859	TRUE	2.36E-12
FEV1	BRSK2	cg02282118	rs1038724	A	G	-0.183	0.025	0.332	1.44E-13	-0.004	0.002	0.155	0.015	54.616	TRUE	6.12E-13
FEV1	BRSK2	cg02282118	rs115584864	C	G	0.376	0.026	0.273	7.57E-48	0.002	0.003	0.406	0.054	211.072	TRUE	4.64E-46
FEV1	BRSK2	cg02282118	rs11599943	T	C	0.463	0.066	0.031	2.97E-12	0.013	0.007	0.039	0.013	48.682	TRUE	1.67E-11
FEV1	BRSK2	cg02282118	rs117431642	T	C	-0.736	0.109	0.026	1.57E-11	-0.007	0.008	0.377	0.012	45.419	TRUE	3.86E-11

FEV1	BRSK2	cg02282118	rs12786504	A	G	0.197	0.034	0.138	8.84E-09	0.004	0.004	0.235	0.009	33.062	TRUE	2.14E-08
FEV1	BRSK2	cg02282118	rs1317780	G	C	0.257	0.028	0.225	1.69E-19	0.005	0.003	0.074	0.022	81.532	TRUE	1.59E-18
FEV1	BRSK2	cg02282118	rs145553613	C	T	-0.866	0.106	0.031	3.87E-16	0.001	0.009	0.946	0.018	66.267	TRUE	6.95E-16
FEV1	BRSK2	cg02282118	rs186941956	A	G	0.353	0.060	0.038	4.62E-09	0.017	0.006	0.002	0.009	34.326	TRUE	3.20E-08
FEV1	BRSK2	cg02282118	rs1973846	T	C	0.332	0.028	0.241	2.62E-33	-0.001	0.003	0.695	0.038	144.524	TRUE	2.08E-32
FEV1	BRSK2	cg02282118	rs2176025	T	A	-0.249	0.025	0.316	1.62E-22	0.004	0.003	0.124	0.025	95.274	TRUE	1.60E-21
FEV1	BRSK2	cg02282118	rs34397346	A	G	0.293	0.027	0.252	5.24E-27	0.009	0.003	9.77E-04	0.030	115.744	TRUE	4.74E-25
FEV1	BRSK2	cg02282118	rs3750920	T	C	-0.205	0.024	0.431	1.04E-17	-0.007	0.002	0.002	0.019	73.396	TRUE	2.26E-16
FEV1	BRSK2	cg02282118	rs55910218	T	C	-0.558	0.072	0.027	8.80E-15	-0.004	0.008	0.559	0.016	60.115	TRUE	2.17E-14
FEV1	BRSK2	cg02282118	rs60707923	A	G	0.325	0.027	0.260	2.47E-34	0.000	0.003	0.905	0.039	149.213	TRUE	1.58E-33
FEV1	BRSK2	cg02282118	rs61867617	A	G	-1.117	0.022	0.203	<1E-200	-0.004	0.003	0.164	0.413	2601.854	TRUE	<1E-200
FEV1	BRSK2	cg02282118	rs6578589	A	C	-0.225	0.024	0.476	2.03E-21	-0.004	0.002	0.064	0.024	90.265	TRUE	2.49E-20
FEV1	BRSK2	cg02282118	rs7396026	T	C	0.440	0.053	0.057	1.58E-16	0.010	0.006	0.099	0.018	68.035	TRUE	9.90E-16
FEV1	BRSK2	cg02282118	rs77672898	A	G	0.360	0.060	0.076	1.39E-09	-0.003	0.004	0.418	0.010	36.663	TRUE	2.87E-09
FEV1	BRSK2	cg02282118	rs79349719	A	G	0.266	0.044	0.074	1.91E-09	0.008	0.004	0.067	0.010	36.047	TRUE	7.03E-09
FEV1	BRSK2	cg02282118	rs7935124	A	G	0.224	0.033	0.152	1.54E-11	0.001	0.003	0.697	0.012	45.454	TRUE	2.76E-11
FEV1	BRSK2	cg02282118	rs968592	A	G	0.200	0.032	0.159	6.54E-10	0.002	0.003	0.582	0.010	38.131	TRUE	1.19E-09
FEV1	BRSK2	cg03156651	rs7395567	T	C	0.241	0.026	0.266	4.07E-20	0.003	0.003	0.209	0.022	84.340	TRUE	2.60E-19
FEV1	BRSK2	cg03267026	rs11023590	C	T	0.197	0.024	0.413	1.19E-16	0.004	0.002	0.139	0.018	68.581	TRUE	6.61E-16
FEV1	BRSK2	cg03267026	rs1574122	T	C	-0.174	0.030	0.187	6.49E-09	0.004	0.003	0.151	0.009	33.664	TRUE	1.81E-08
FEV1	BRSK2	cg03553914	rs10751641	T	G	0.143	0.025	0.325	1.67E-08	-0.004	0.003	0.106	0.009	31.830	TRUE	5.03E-08
FEV1	BRSK2	cg03553914	rs10766282	T	A	0.546	0.061	0.046	2.34E-19	0.002	0.006	0.697	0.021	80.884	TRUE	6.60E-19
FEV1	BRSK2	cg03553914	rs11028931	G	A	0.400	0.024	0.349	5.32E-61	-0.007	0.003	0.008	0.068	271.362	TRUE	2.92E-57
FEV1	BRSK2	cg03553914	rs11035302	C	A	-0.241	0.025	0.313	3.83E-21	0.001	0.003	0.660	0.023	89.012	TRUE	1.27E-20
FEV1	BRSK2	cg03553914	rs117107041	A	G	0.504	0.051	0.053	8.11E-23	0.012	0.005	0.016	0.025	96.637	TRUE	1.90E-21
FEV1	BRSK2	cg03553914	rs12146475	T	G	0.332	0.053	0.052	3.53E-10	0.004	0.005	0.396	0.011	39.333	TRUE	7.83E-10
FEV1	BRSK2	cg03553914	rs12796869	T	C	-0.277	0.030	0.187	5.94E-20	0.004	0.003	0.243	0.022	83.592	TRUE	3.39E-19
FEV1	BRSK2	cg03553914	rs145553613	C	T	0.710	0.107	0.031	2.86E-11	0.001	0.009	0.946	0.012	44.249	TRUE	4.09E-11
FEV1	BRSK2	cg03553914	rs34666042	T	C	0.298	0.032	0.164	2.93E-21	-0.005	0.003	0.123	0.024	89.540	TRUE	2.65E-20
FEV1	BRSK2	cg03553914	rs3793964	T	C	-0.383	0.024	0.368	2.54E-57	0.003	0.002	0.231	0.064	254.493	TRUE	9.18E-55
FEV1	BRSK2	cg03553914	rs4255564	C	T	0.969	0.023	0.260	<1E-200	0.003	0.003	0.331	0.331	1831.498	TRUE	<1E-200
FEV1	BRSK2	cg03553914	rs5743915	A	G	0.164	0.024	0.415	5.27E-12	0.000	0.002	0.884	0.013	47.558	TRUE	8.08E-12
FEV1	BRSK2	cg03553914	rs66496921	C	G	-0.160	0.024	0.405	3.92E-11	0.004	0.002	0.089	0.012	43.629	TRUE	1.54E-10
FEV1	BRSK2	cg03553914	rs7112918	C	T	0.134	0.024	0.465	1.78E-08	-0.005	0.002	0.026	0.008	31.699	TRUE	7.27E-08
FEV1	BRSK2	cg03553914	rs7118474	G	A	-0.234	0.030	0.194	6.40E-15	0.002	0.003	0.408	0.016	60.743	TRUE	1.91E-14
FEV1	BRSK2	cg03553914	rs7395006	C	T	0.344	0.024	0.387	3.92E-46	0.006	0.002	0.015	0.052	203.221	TRUE	1.68E-43
FEV1	BRSK2	cg03553914	rs76324386	T	C	-0.313	0.046	0.072	7.22E-12	0.012	0.005	0.009	0.013	46.941	TRUE	5.53E-11
FEV1	BRSK2	cg03553914	rs77338313	A	G	0.810	0.101	0.031	1.21E-15	-0.006	0.008	0.466	0.017	64.015	TRUE	3.55E-15
FEV1	BRSK2	cg03553914	rs79646282	T	C	0.557	0.097	0.038	1.08E-08	-0.008	0.006	0.219	0.009	32.679	TRUE	2.64E-08
FEV1	BRSK2	cg03695103	rs12788273	A	G	0.289	0.026	0.277	2.91E-28	-0.001	0.003	0.829	0.032	121.473	TRUE	1.30E-27
FEV1	BRSK2	cg03695103	rs66658795	T	C	-0.130	0.024	0.445	3.16E-08	0.005	0.002	0.036	0.008	30.592	TRUE	1.15E-07
FEV1	BRSK2	cg03817164	rs56225362	C	T	-0.359	0.049	0.071	1.33E-13	-0.004	0.005	0.386	0.015	54.777	TRUE	3.74E-13

FEV1	BRSK2	cg03817164	rs7931497	C	G	-0.955	0.055	0.049	2.73E-67	0.009	0.006	0.145	0.075	300.214	TRUE	6.37E-64
FEV1	BRSK2	cg03817164	rs7944761	C	T	-0.169	0.024	0.461	1.31E-12	0.005	0.002	0.044	0.013	50.280	TRUE	7.38E-12
FEV1	BRSK2	cg03817794	rs11028763	C	T	-0.463	0.024	0.359	5.53E-83	0.007	0.002	0.003	0.091	372.229	TRUE	3.29E-77
FEV1	BRSK2	cg03817794	rs11036555	C	T	-0.168	0.026	0.285	2.03E-10	0.002	0.003	0.525	0.011	40.417	TRUE	3.92E-10
FEV1	BRSK2	cg03817794	rs11599943	T	C	0.498	0.066	0.031	5.82E-14	0.013	0.007	0.039	0.015	56.401	TRUE	3.92E-13
FEV1	BRSK2	cg03817794	rs145553613	C	T	0.709	0.107	0.031	3.06E-11	0.001	0.009	0.946	0.012	44.116	TRUE	4.37E-11
FEV1	BRSK2	cg03817794	rs34666042	T	C	0.215	0.032	0.164	9.08E-12	-0.005	0.003	0.123	0.012	46.491	TRUE	3.50E-11
FEV1	BRSK2	cg03817794	rs3793964	T	C	-0.204	0.024	0.368	4.70E-17	0.003	0.002	0.231	0.019	70.420	TRUE	2.21E-16
FEV1	BRSK2	cg03817794	rs7395006	C	T	0.243	0.024	0.387	1.14E-23	0.006	0.002	0.015	0.026	100.513	TRUE	2.95E-22
FEV1	BRSK2	cg03817794	rs7395567	T	C	0.621	0.026	0.266	5.18E-128	0.003	0.003	0.209	0.135	579.043	TRUE	1.65E-119
FEV1	BRSK2	cg03817794	rs79823788	A	G	-0.351	0.053	0.048	5.08E-11	0.003	0.006	0.576	0.012	43.123	TRUE	9.84E-11
FEV1	BRSK2	cg03817794	rs79956640	G	A	-0.453	0.082	0.022	4.01E-08	-0.001	0.007	0.936	0.008	30.128	TRUE	5.10E-08
FEV1	BRSK2	cg03817794	rs9651637	G	A	-0.190	0.026	0.284	3.42E-13	0.002	0.003	0.424	0.014	52.923	TRUE	8.93E-13
FEV1	BRSK2	cg03817794	rs9651643	T	C	-0.234	0.024	0.445	2.07E-23	0.005	0.002	0.032	0.026	99.336	TRUE	3.80E-22
FEV1	BRSK2	cg04527071	rs60707923	A	G	-0.208	0.026	0.260	3.66E-15	0.000	0.003	0.905	0.016	61.844	TRUE	6.46E-15
FEV1	BRSK2	cg04527071	rs7932863	A	G	0.199	0.026	0.270	3.20E-14	0.003	0.003	0.209	0.015	57.579	TRUE	1.25E-13
FEV1	BRSK2	cg04737185	rs10837893	T	C	-0.195	0.035	0.131	3.64E-08	0.002	0.003	0.494	0.008	30.314	TRUE	6.39E-08
FEV1	BRSK2	cg04737185	rs11025835	G	A	0.360	0.054	0.058	3.00E-11	0.005	0.005	0.359	0.012	44.151	TRUE	7.32E-11
FEV1	BRSK2	cg04737185	rs117872975	G	A	-0.421	0.049	0.065	5.85E-18	0.009	0.005	0.057	0.020	74.531	TRUE	5.20E-17
FEV1	BRSK2	cg04737185	rs149744898	G	C	0.437	0.078	0.024	1.81E-08	-0.010	0.007	0.132	0.008	31.670	TRUE	5.07E-08
FEV1	BRSK2	cg04737185	rs28540254	G	A	0.458	0.024	0.337	1.96E-79	-0.005	0.003	0.071	0.088	355.933	TRUE	6.17E-75
FEV1	BRSK2	cg04737185	rs5743987	T	C	0.328	0.049	0.071	2.31E-11	-0.005	0.005	0.343	0.012	44.664	TRUE	5.81E-11
FEV1	BRSK2	cg04737185	rs5744002	C	T	-0.200	0.024	0.427	1.99E-17	0.005	0.002	0.056	0.019	72.119	TRUE	1.64E-16
FEV1	BRSK2	cg04737185	rs57958928	C	T	0.159	0.028	0.229	2.03E-08	0.066	0.046	0.153	0.008	31.451	TRUE	5.42E-08
FEV1	BRSK2	cg04737185	rs58514600	T	C	0.401	0.041	0.089	6.38E-23	0.000	0.004	0.989	0.026	97.111	TRUE	1.62E-22
FEV1	BRSK2	cg04737185	rs61867510	G	C	-0.176	0.024	0.400	2.48E-13	0.007	0.002	0.005	0.014	53.556	TRUE	2.58E-12
FEV1	BRSK2	cg04984852	rs10766282	T	A	0.393	0.061	0.046	1.04E-10	0.002	0.006	0.697	0.011	41.730	TRUE	1.77E-10
FEV1	BRSK2	cg04984852	rs11599943	T	C	0.387	0.066	0.031	5.02E-09	0.013	0.007	0.039	0.009	34.164	TRUE	2.01E-08
FEV1	BRSK2	cg04984852	rs11604075	T	C	0.253	0.026	0.285	5.38E-23	-0.007	0.003	0.004	0.026	97.448	TRUE	1.91E-21
FEV1	BRSK2	cg04984852	rs1574122	T	C	-0.206	0.030	0.187	4.46E-12	0.004	0.003	0.151	0.013	47.886	TRUE	1.64E-11
FEV1	BRSK2	cg04984852	rs34666042	T	C	0.201	0.032	0.164	1.96E-10	-0.005	0.003	0.123	0.011	40.487	TRUE	6.69E-10
FEV1	BRSK2	cg04984852	rs3793964	T	C	-0.227	0.024	0.368	8.10E-21	0.003	0.002	0.231	0.023	87.531	TRUE	5.21E-20
FEV1	BRSK2	cg04984852	rs7395006	C	T	0.192	0.024	0.387	2.63E-15	0.006	0.002	0.015	0.017	62.490	TRUE	2.65E-14
FEV1	BRSK2	cg04984852	rs7395567	T	C	0.587	0.026	0.266	4.66E-114	0.003	0.003	0.209	0.122	514.936	TRUE	5.59E-107
FEV1	BRSK2	cg05404940	rs10832574	T	C	0.254	0.024	0.390	1.11E-25	0.006	0.002	0.011	0.029	109.694	TRUE	4.07E-24
FEV1	BRSK2	cg05404940	rs111886352	G	C	-0.228	0.038	0.117	1.89E-09	0.001	0.004	0.846	0.010	36.065	TRUE	2.69E-09
FEV1	BRSK2	cg05404940	rs115584864	C	G	-0.239	0.026	0.273	5.51E-20	0.002	0.003	0.406	0.022	83.741	TRUE	2.34E-19
FEV1	BRSK2	cg05404940	rs11604075	T	C	0.335	0.026	0.285	3.72E-39	-0.007	0.003	0.004	0.044	171.276	TRUE	1.06E-36
FEV1	BRSK2	cg05404940	rs117085626	A	G	-0.266	0.037	0.110	1.03E-12	-0.001	0.004	0.771	0.014	50.752	TRUE	1.85E-12
FEV1	BRSK2	cg05404940	rs117107041	A	G	0.405	0.051	0.053	3.06E-15	0.012	0.005	0.016	0.017	62.192	TRUE	3.07E-14
FEV1	BRSK2	cg05404940	rs117654829	T	A	0.636	0.098	0.038	9.85E-11	-0.001	0.007	0.928	0.011	41.829	TRUE	1.40E-10
FEV1	BRSK2	cg05404940	rs28386994	T	A	-0.182	0.029	0.206	2.85E-10	0.006	0.003	0.054	0.011	39.754	TRUE	1.18E-09

FEV1	BRSK2	cg05404940	rs28672782	T	C	-0.175	0.031	0.184	1.18E-08	0.004	0.003	0.191	0.009	32.510	TRUE	2.99E-08
FEV1	BRSK2	cg05404940	rs34666042	T	C	0.240	0.032	0.164	2.70E-14	-0.005	0.003	0.123	0.015	57.909	TRUE	1.30E-13
FEV1	BRSK2	cg05404940	rs7395567	T	C	0.835	0.025	0.266	4.07E-247	0.003	0.003	0.209	0.233	1126.578	TRUE	1.00E-221
FEV1	BRSK2	cg05404940	rs77338313	A	G	0.620	0.102	0.031	1.06E-09	-0.006	0.008	0.466	0.010	37.186	TRUE	2.12E-09
FEV1	BRSK2	cg05516327	rs10837692	T	C	-0.191	0.031	0.175	7.16E-10	0.002	0.003	0.495	0.010	37.957	TRUE	1.39E-09
FEV1	BRSK2	cg05516327	rs11029038	A	C	-0.211	0.025	0.322	8.31E-17	0.002	0.003	0.464	0.018	69.296	TRUE	2.62E-16
FEV1	BRSK2	cg05516327	rs1109746	T	C	-0.340	0.023	0.456	1.96E-48	0.002	0.002	0.474	0.055	213.764	TRUE	1.16E-46
FEV1	BRSK2	cg05516327	rs12788273	A	G	0.162	0.026	0.277	8.50E-10	-0.001	0.003	0.829	0.010	37.621	TRUE	1.26E-09
FEV1	BRSK2	cg05516327	rs1973846	T	C	-0.239	0.028	0.241	5.87E-18	-0.001	0.003	0.695	0.020	74.524	TRUE	1.49E-17
FEV1	BRSK2	cg05516327	rs2943521	A	G	-0.173	0.024	0.439	2.50E-13	0.007	0.002	0.004	0.014	53.534	TRUE	2.83E-12
FEV1	BRSK2	cg05516327	rs60078451	A	T	0.279	0.049	0.065	1.69E-08	0.001	0.005	0.795	0.009	31.801	TRUE	2.42E-08
FEV1	BRSK2	cg05516327	rs61867592	A	G	0.343	0.052	0.098	3.94E-11	0.000	0.004	0.981	0.012	43.618	TRUE	5.46E-11
FEV1	BRSK2	cg05516327	rs72847939	T	C	0.563	0.081	0.017	2.82E-12	-0.002	0.009	0.785	0.013	48.781	TRUE	4.83E-12
FEV1	BRSK2	cg05516327	rs7944983	A	G	0.275	0.044	0.077	3.63E-10	0.009	0.004	0.052	0.011	39.281	TRUE	1.52E-09
FEV1	BRSK2	cg06300961	rs7395567	T	C	0.279	0.026	0.266	6.23E-26	0.003	0.003	0.209	0.029	110.838	TRUE	6.68E-25
FEV1	BRSK2	cg06787104	rs10766282	T	A	0.622	0.061	0.046	9.38E-25	0.002	0.006	0.697	0.028	105.467	TRUE	3.83E-24
FEV1	BRSK2	cg06787104	rs111886352	G	C	-0.266	0.038	0.117	2.59E-12	0.001	0.004	0.846	0.013	48.950	TRUE	4.19E-12
FEV1	BRSK2	cg06787104	rs115584864	C	G	-0.330	0.026	0.273	9.02E-37	0.002	0.003	0.406	0.042	160.363	TRUE	1.66E-35
FEV1	BRSK2	cg06787104	rs11604075	T	C	0.201	0.026	0.285	6.62E-15	-0.007	0.003	0.004	0.016	60.675	TRUE	8.71E-14
FEV1	BRSK2	cg06787104	rs117017076	G	C	-0.287	0.042	0.091	5.39E-12	0.001	0.004	0.885	0.013	47.512	TRUE	8.43E-12
FEV1	BRSK2	cg06787104	rs117107041	A	G	0.483	0.051	0.053	4.56E-21	0.012	0.005	0.016	0.023	88.665	TRUE	8.78E-20
FEV1	BRSK2	cg06787104	rs34666042	T	C	0.263	0.032	0.164	8.68E-17	-0.005	0.003	0.123	0.018	69.212	TRUE	5.22E-16
FEV1	BRSK2	cg06787104	rs73407443	T	C	-0.270	0.048	0.063	2.42E-08	0.003	0.005	0.514	0.008	31.108	TRUE	4.23E-08
FEV1	BRSK2	cg06787104	rs7395006	C	T	0.202	0.024	0.387	9.25E-17	0.006	0.002	0.015	0.018	69.087	TRUE	1.09E-15
FEV1	BRSK2	cg06787104	rs77338313	A	G	0.571	0.102	0.031	1.97E-08	-0.006	0.008	0.466	0.008	31.507	TRUE	3.62E-08
FEV1	BRSK2	cg06787104	rs7932863	A	G	0.825	0.025	0.270	1.12E-243	0.003	0.003	0.209	0.231	1110.767	TRUE	6.93E-219
FEV1	BRSK2	cg06812836	rs10832955	T	C	-0.407	0.024	0.368	8.49E-65	0.005	0.002	0.048	0.072	288.779	TRUE	3.15E-61
FEV1	BRSK2	cg06812836	rs117107041	A	G	0.589	0.051	0.053	1.07E-30	0.012	0.005	0.016	0.035	132.603	TRUE	6.26E-29
FEV1	BRSK2	cg06812836	rs138708159	T	C	-0.410	0.073	0.025	2.23E-08	-0.004	0.007	0.516	0.008	31.264	TRUE	3.90E-08
FEV1	BRSK2	cg06812836	rs181332597	T	C	0.644	0.100	0.036	1.42E-10	-0.001	0.007	0.928	0.011	41.109	TRUE	2.01E-10
FEV1	BRSK2	cg06812836	rs2735703	G	A	0.284	0.041	0.092	4.19E-12	0.004	0.004	0.286	0.013	48.008	TRUE	1.20E-11
FEV1	BRSK2	cg06812836	rs34666042	T	C	0.239	0.032	0.164	4.06E-14	-0.005	0.003	0.123	0.015	57.109	TRUE	1.92E-13
FEV1	BRSK2	cg06812836	rs66658795	T	C	-0.256	0.024	0.445	1.24E-27	0.005	0.002	0.036	0.031	118.608	TRUE	3.43E-26
FEV1	BRSK2	cg06812836	rs73407443	T	C	-0.324	0.048	0.063	2.03E-11	0.003	0.005	0.514	0.012	44.913	TRUE	4.28E-11
FEV1	BRSK2	cg06812836	rs7395006	C	T	0.287	0.024	0.387	2.50E-32	0.006	0.002	0.015	0.036	140.046	TRUE	1.79E-30
FEV1	BRSK2	cg06812836	rs7395567	T	C	0.856	0.025	0.266	3.40E-261	0.003	0.003	0.209	0.244	1191.321	TRUE	2.76E-233
FEV1	BRSK2	cg06812836	rs74542903	T	C	-0.242	0.036	0.118	2.54E-11	-0.004	0.004	0.233	0.012	44.478	TRUE	7.53E-11
FEV1	BRSK2	cg07067744	rs10835060	T	G	-0.177	0.029	0.193	1.72E-09	0.004	0.003	0.216	0.010	36.243	TRUE	4.52E-09
FEV1	BRSK2	cg07067744	rs11604075	T	C	0.223	0.026	0.285	5.38E-18	-0.007	0.003	0.004	0.020	74.695	TRUE	1.03E-16
FEV1	BRSK2	cg07067744	rs117107041	A	G	0.377	0.051	0.053	2.16E-13	0.012	0.005	0.016	0.014	53.822	TRUE	1.76E-12
FEV1	BRSK2	cg07067744	rs12808343	G	A	-0.160	0.028	0.235	1.55E-08	0.001	0.003	0.661	0.009	31.969	TRUE	2.43E-08
FEV1	BRSK2	cg07067744	rs34666042	T	C	0.231	0.032	0.164	2.18E-13	-0.005	0.003	0.123	0.014	53.803	TRUE	9.70E-13

FEV1	BRSK2	cg07067744	rs5743915	A	G	0.131	0.024	0.415	3.33E-08	0.000	0.002	0.884	0.008	30.491	TRUE	4.34E-08
FEV1	BRSK2	cg07067744	rs7395006	C	T	0.193	0.024	0.387	2.07E-15	0.006	0.002	0.015	0.017	62.963	TRUE	2.11E-14
FEV1	BRSK2	cg07067744	rs77338313	A	G	0.582	0.102	0.031	1.03E-08	-0.006	0.008	0.466	0.009	32.773	TRUE	1.92E-08
FEV1	BRSK2	cg07067744	rs7932863	A	G	0.661	0.026	0.270	1.83E-147	0.003	0.003	0.209	0.153	668.431	TRUE	8.99E-137
FEV1	BRSK2	cg07479615	rs10832442	C	T	0.320	0.024	0.412	1.88E-41	0.004	0.002	0.141	0.047	181.784	TRUE	1.27E-39
FEV1	BRSK2	cg07479615	rs11037380	A	G	-0.330	0.035	0.137	5.65E-21	0.003	0.003	0.320	0.023	88.243	TRUE	3.06E-20
FEV1	BRSK2	cg07479615	rs111966929	T	C	-0.732	0.066	0.032	2.14E-28	-0.011	0.006	0.092	0.032	122.082	TRUE	4.46E-27
FEV1	BRSK2	cg07479615	rs113969661	T	C	-0.648	0.085	0.018	2.99E-14	-0.014	0.010	0.162	0.015	57.712	TRUE	1.29E-13
FEV1	BRSK2	cg07479615	rs11605284	C	T	0.213	0.026	0.277	4.16E-16	-0.007	0.003	0.009	0.018	66.122	TRUE	5.33E-15
FEV1	BRSK2	cg07479615	rs117005356	T	C	0.427	0.074	0.026	8.64E-09	-0.007	0.007	0.269	0.009	33.108	TRUE	1.98E-08
FEV1	BRSK2	cg07479615	rs117107041	A	G	-0.314	0.051	0.053	1.00E-09	0.012	0.005	0.016	0.010	37.297	TRUE	5.33E-09
FEV1	BRSK2	cg07479615	rs118072498	A	G	0.346	0.055	0.094	2.13E-10	-0.004	0.004	0.366	0.011	40.323	TRUE	4.89E-10
FEV1	BRSK2	cg07479615	rs11822504	T	C	-0.131	0.024	0.482	2.35E-08	0.004	0.002	0.060	0.008	31.166	TRUE	8.07E-08
FEV1	BRSK2	cg07479615	rs12221827	C	T	0.339	0.025	0.322	1.69E-41	-0.003	0.003	0.231	0.047	181.997	TRUE	8.72E-40
FEV1	BRSK2	cg07479615	rs1574122	T	C	-0.586	0.029	0.187	1.96E-89	0.004	0.003	0.151	0.098	401.842	TRUE	1.99E-84
FEV1	BRSK2	cg07479615	rs17821107	C	G	0.405	0.038	0.114	3.21E-26	0.002	0.004	0.613	0.029	112.151	TRUE	1.63E-25
FEV1	BRSK2	cg07479615	rs34397346	A	G	-0.202	0.027	0.252	1.59E-13	0.009	0.003	9.77E-04	0.015	54.430	TRUE	2.38E-12
FEV1	BRSK2	cg07479615	rs4881747	T	C	0.432	0.059	0.042	1.70E-13	0.002	0.006	0.722	0.014	54.289	TRUE	3.32E-13
FEV1	BRSK2	cg07479615	rs55988415	T	A	0.303	0.051	0.060	3.64E-09	0.012	0.005	0.021	0.009	34.787	TRUE	1.69E-08
FEV1	BRSK2	cg07479615	rs56146392	C	A	-0.309	0.047	0.072	3.27E-11	0.009	0.005	0.046	0.012	43.982	TRUE	1.59E-10
FEV1	BRSK2	cg07479615	rs79349719	A	G	-0.290	0.044	0.074	6.29E-11	0.008	0.004	0.067	0.011	42.706	TRUE	2.69E-10
FEV1	BRSK2	cg07479615	rs908224	G	T	-0.277	0.024	0.350	4.95E-30	-0.005	0.003	0.048	0.034	129.557	TRUE	1.64E-28
FEV1	BRSK2	cg07652408	rs7395567	T	C	0.230	0.027	0.266	4.12E-18	0.003	0.003	0.209	0.020	75.222	TRUE	2.22E-17
FEV1	BRSK2	cg08012275	rs11604075	T	C	0.183	0.025	0.285	5.36E-13	-0.007	0.003	0.004	0.014	52.041	TRUE	5.55E-12
FEV1	BRSK2	cg08012275	rs3793964	T	C	-0.143	0.024	0.368	2.37E-09	0.003	0.002	0.231	0.010	35.623	TRUE	6.06E-09
FEV1	BRSK2	cg08012275	rs7395006	C	T	0.149	0.024	0.387	5.31E-10	0.006	0.002	0.015	0.010	38.538	TRUE	2.91E-09
FEV1	BRSK2	cg08012275	rs7395567	T	C	0.387	0.026	0.266	2.69E-50	0.003	0.003	0.209	0.057	222.294	TRUE	4.18E-48
FEV1	BRSK2	cg09167291	rs10832574	T	C	0.168	0.024	0.390	2.55E-12	0.006	0.002	0.011	0.013	48.979	TRUE	1.99E-11
FEV1	BRSK2	cg09167291	rs11024617	A	G	-0.168	0.027	0.250	3.67E-10	0.002	0.003	0.577	0.011	39.258	TRUE	6.75E-10
FEV1	BRSK2	cg09167291	rs11027462	T	C	-0.175	0.023	0.445	5.04E-14	0.005	0.002	0.033	0.015	56.683	TRUE	3.47E-13
FEV1	BRSK2	cg09167291	rs7395567	T	C	0.331	0.026	0.266	9.27E-37	0.003	0.003	0.209	0.042	160.309	TRUE	2.93E-35
FEV1	BRSK2	cg09291824	rs10834052	T	C	0.288	0.031	0.185	4.13E-21	-0.003	0.003	0.306	0.023	88.864	TRUE	2.33E-20
FEV1	BRSK2	cg09291824	rs117107041	A	G	0.318	0.051	0.053	5.42E-10	0.012	0.005	0.016	0.010	38.500	TRUE	2.97E-09
FEV1	BRSK2	cg09291824	rs12282543	G	A	-0.165	0.029	0.221	6.78E-09	0.002	0.003	0.456	0.009	33.578	TRUE	1.29E-08
FEV1	BRSK2	cg09291824	rs7395567	T	C	0.411	0.026	0.266	6.81E-55	0.003	0.003	0.209	0.062	243.362	TRUE	1.93E-52
FEV1	BRSK2	cg09291824	rs74046935	G	A	-0.292	0.025	0.297	2.03E-30	-0.001	0.003	0.585	0.034	131.326	TRUE	1.55E-29
FEV1	BRSK2	cg09450823	rs10766282	T	A	0.370	0.061	0.046	1.10E-09	0.002	0.006	0.697	0.010	37.121	TRUE	1.78E-09
FEV1	BRSK2	cg09450823	rs10832574	T	C	0.183	0.024	0.390	4.41E-14	0.006	0.002	0.011	0.015	56.946	TRUE	4.22E-13
FEV1	BRSK2	cg09450823	rs11035302	C	A	-0.140	0.026	0.313	4.03E-08	0.001	0.003	0.660	0.008	30.117	TRUE	6.22E-08
FEV1	BRSK2	cg09450823	rs11599943	T	C	0.523	0.066	0.031	2.69E-15	0.013	0.007	0.039	0.017	62.449	TRUE	2.07E-14
FEV1	BRSK2	cg09450823	rs34666042	T	C	0.180	0.032	0.164	1.13E-08	-0.005	0.003	0.123	0.009	32.593	TRUE	3.28E-08
FEV1	BRSK2	cg09450823	rs55813014	C	T	-0.202	0.023	0.473	7.12E-18	0.006	0.002	0.017	0.020	74.142	TRUE	9.69E-17

FEV1	BRSK2	cg09450823	rs7395567	T	C	0.537	0.026	0.266	1.07E-94	0.003	0.003	0.209	0.103	426.009	TRUE	2.19E-89
FEV1	BRSK2	cg09450823	rs9651643	T	C	-0.131	0.024	0.445	2.93E-08	0.005	0.002	0.032	0.008	30.735	TRUE	1.09E-07
FEV1	BRSK2	cg09461507	rs11604075	T	C	0.228	0.026	0.285	6.56E-19	-0.007	0.003	0.004	0.021	78.850	TRUE	1.41E-17
FEV1	BRSK2	cg09461507	rs3793964	T	C	-0.187	0.024	0.368	1.41E-14	0.003	0.002	0.231	0.016	59.184	TRUE	5.44E-14
FEV1	BRSK2	cg09461507	rs7395006	C	T	0.191	0.024	0.387	3.28E-15	0.006	0.002	0.015	0.017	62.057	TRUE	3.26E-14
FEV1	BRSK2	cg09461507	rs7395567	T	C	0.440	0.026	0.266	4.52E-63	0.003	0.003	0.209	0.071	280.860	TRUE	4.07E-60
FEV1	BRSK2	cg09600088	rs10832574	T	C	0.190	0.024	0.390	4.27E-15	0.006	0.002	0.011	0.016	61.538	TRUE	4.60E-14
FEV1	BRSK2	cg09600088	rs11027462	T	C	-0.192	0.023	0.445	2.42E-16	0.005	0.002	0.033	0.018	67.190	TRUE	2.12E-15
FEV1	BRSK2	cg09600088	rs11599943	T	C	0.469	0.066	0.031	1.33E-12	0.013	0.007	0.039	0.013	50.252	TRUE	7.80E-12
FEV1	BRSK2	cg09600088	rs2075859	T	C	-0.180	0.024	0.369	7.72E-14	0.005	0.002	0.050	0.015	55.845	TRUE	4.77E-13
FEV1	BRSK2	cg09600088	rs7395567	T	C	0.500	0.026	0.266	5.59E-82	0.003	0.003	0.209	0.090	367.616	TRUE	1.08E-77
FEV1	BRSK2	cg09600088	rs79057596	G	A	0.379	0.068	0.036	2.09E-08	-0.002	0.007	0.793	0.008	31.388	TRUE	2.96E-08
FEV1	BRSK2	cg09790617	rs11599943	T	C	0.367	0.066	0.031	3.29E-08	0.013	0.007	0.039	0.008	30.510	TRUE	1.21E-07
FEV1	BRSK2	cg09790617	rs11604075	T	C	0.201	0.026	0.285	6.09E-15	-0.007	0.003	0.004	0.016	60.839	TRUE	8.05E-14
FEV1	BRSK2	cg09790617	rs2334657	C	T	-0.141	0.024	0.400	5.66E-09	0.003	0.002	0.295	0.009	33.930	TRUE	1.28E-08
FEV1	BRSK2	cg09790617	rs34666042	T	C	0.213	0.032	0.164	1.30E-11	-0.005	0.003	0.123	0.012	45.796	TRUE	4.92E-11
FEV1	BRSK2	cg09790617	rs3793964	T	C	-0.195	0.024	0.368	7.93E-16	0.003	0.002	0.231	0.017	64.852	TRUE	3.38E-15
FEV1	BRSK2	cg09790617	rs7395006	C	T	0.168	0.024	0.387	5.14E-12	0.006	0.002	0.015	0.013	47.606	TRUE	3.56E-11
FEV1	BRSK2	cg09790617	rs7395567	T	C	0.570	0.026	0.266	1.09E-106	0.003	0.003	0.209	0.115	481.091	TRUE	2.60E-100
FEV1	BRSK2	cg10026995	rs1038727	A	G	0.189	0.029	0.201	1.14E-10	-0.008	0.003	0.007	0.011	41.536	TRUE	7.99E-10
FEV1	BRSK2	cg10026995	rs11028763	C	T	-0.457	0.024	0.359	5.37E-81	0.007	0.002	0.003	0.089	363.105	TRUE	2.16E-75
FEV1	BRSK2	cg10026995	rs113773442	G	C	-0.302	0.037	0.113	4.23E-16	-0.001	0.004	0.735	0.018	66.091	TRUE	9.33E-16
FEV1	BRSK2	cg10026995	rs11599943	T	C	0.540	0.066	0.031	3.75E-16	0.013	0.007	0.039	0.018	66.330	TRUE	3.16E-15
FEV1	BRSK2	cg10026995	rs34666042	T	C	0.260	0.032	0.164	1.64E-16	-0.005	0.003	0.123	0.018	67.952	TRUE	9.65E-16
FEV1	BRSK2	cg10026995	rs3793964	T	C	-0.235	0.024	0.368	2.78E-22	0.003	0.002	0.231	0.025	94.203	TRUE	2.02E-21
FEV1	BRSK2	cg10026995	rs6578412	T	C	-0.524	0.070	0.052	7.84E-14	-0.009	0.005	0.085	0.015	55.816	TRUE	4.16E-13
FEV1	BRSK2	cg10026995	rs66658795	T	C	-0.192	0.024	0.445	3.94E-16	0.005	0.002	0.036	0.018	66.229	TRUE	3.27E-15
FEV1	BRSK2	cg10026995	rs72847985	A	G	0.215	0.033	0.146	6.79E-11	-0.003	0.003	0.448	0.011	42.555	TRUE	1.48E-10
FEV1	BRSK2	cg10026995	rs7395006	C	T	0.234	0.024	0.387	5.62E-22	0.006	0.002	0.015	0.024	92.807	TRUE	1.19E-20
FEV1	BRSK2	cg10026995	rs7395567	T	C	0.773	0.025	0.266	9.94E-207	0.003	0.003	0.209	0.203	940.867	TRUE	5.68E-188
FEV1	BRSK2	cg10026995	rs7482040	C	T	0.497	0.061	0.045	2.14E-16	0.002	0.006	0.723	0.018	67.431	TRUE	4.87E-16
FEV1	BRSK2	cg10026995	rs77338313	A	G	0.731	0.101	0.031	5.58E-13	-0.006	0.008	0.466	0.014	51.961	TRUE	1.37E-12
FEV1	BRSK2	cg10026995	rs79956640	G	A	-0.559	0.082	0.022	1.22E-11	-0.001	0.007	0.936	0.012	45.918	TRUE	1.79E-11
FEV1	BRSK2	cg10026995	rs9651637	G	A	-0.258	0.026	0.284	4.00E-23	0.002	0.003	0.424	0.026	98.038	TRUE	2.15E-22
FEV1	BRSK2	cg10107466	rs11023856	T	C	0.149	0.026	0.303	5.55E-09	0.007	0.003	0.005	0.009	33.967	TRUE	3.32E-08
FEV1	BRSK2	cg10107466	rs112066837	C	T	0.299	0.024	0.360	4.20E-36	0.003	0.003	0.300	0.041	157.309	TRUE	9.44E-35
FEV1	BRSK2	cg10107466	rs112544636	T	C	-0.193	0.026	0.260	2.39E-13	0.002	0.003	0.586	0.014	53.626	TRUE	5.29E-13
FEV1	BRSK2	cg10107466	rs11604075	T	C	0.182	0.025	0.285	7.37E-13	-0.007	0.003	0.004	0.014	51.414	TRUE	7.50E-12
FEV1	BRSK2	cg10355759	rs11604075	T	C	-0.257	0.026	0.285	1.55E-23	-0.007	0.003	0.004	0.026	99.912	TRUE	5.87E-22
FEV1	BRSK2	cg10355759	rs117107041	A	G	-0.436	0.051	0.053	1.42E-17	0.012	0.005	0.016	0.019	72.774	TRUE	1.85E-16
FEV1	BRSK2	cg10355759	rs1881506	T	C	0.215	0.029	0.209	2.48E-13	0.001	0.003	0.659	0.014	53.553	TRUE	5.08E-13
FEV1	BRSK2	cg10355759	rs2334657	C	T	0.143	0.024	0.400	2.99E-09	0.003	0.002	0.295	0.009	35.174	TRUE	6.88E-09

FEV1	BRSK2	cg10355759	rs34666042	T	C	-0.197	0.032	0.164	3.80E-10	-0.005	0.003	0.123	0.010	39.190	TRUE	1.27E-09
FEV1	BRSK2	cg10355759	rs3793964	T	C	0.268	0.024	0.368	1.16E-28	0.003	0.002	0.231	0.032	123.291	TRUE	1.52E-27
FEV1	BRSK2	cg10355759	rs7395006	C	T	-0.276	0.024	0.387	4.08E-30	0.006	0.002	0.015	0.034	129.939	TRUE	2.23E-28
FEV1	BRSK2	cg10355759	rs7395567	T	C	-0.703	0.025	0.266	1.37E-168	0.003	0.003	0.209	0.171	765.534	TRUE	2.92E-155
FEV1	BRSK2	cg10490888	rs12788273	A	G	0.286	0.026	0.277	7.10E-28	-0.001	0.003	0.829	0.031	119.705	TRUE	3.08E-27
FEV1	BRSK2	cg10590925	rs10734285	A	C	-0.223	0.031	0.172	9.13E-13	-0.004	0.003	0.211	0.014	50.996	TRUE	3.08E-12
FEV1	BRSK2	cg10590925	rs11029917	T	C	-0.282	0.037	0.116	2.75E-14	0.000	0.004	0.905	0.015	57.877	TRUE	4.64E-14
FEV1	BRSK2	cg10590925	rs11039094	C	G	0.219	0.036	0.116	1.27E-09	0.003	0.004	0.455	0.010	36.843	TRUE	2.52E-09
FEV1	BRSK2	cg10590925	rs11603080	A	C	0.391	0.054	0.048	4.90E-13	0.012	0.005	0.032	0.014	52.217	TRUE	3.23E-12
FEV1	BRSK2	cg10590925	rs11604075	T	C	0.486	0.025	0.285	2.09E-82	-0.007	0.003	0.004	0.091	369.583	TRUE	7.26E-77
FEV1	BRSK2	cg10590925	rs117107041	A	G	0.606	0.051	0.053	1.98E-32	0.012	0.005	0.016	0.037	140.517	TRUE	1.43E-30
FEV1	BRSK2	cg10590925	rs12282543	G	A	-0.336	0.028	0.221	3.11E-32	0.002	0.003	0.456	0.036	139.618	TRUE	3.43E-31
FEV1	BRSK2	cg10590925	rs12806189	C	G	-0.285	0.046	0.073	3.69E-10	0.012	0.004	0.009	0.010	39.249	TRUE	2.31E-09
FEV1	BRSK2	cg10590925	rs145553613	C	T	0.894	0.106	0.031	3.99E-17	0.001	0.009	0.946	0.019	70.745	TRUE	7.55E-17
FEV1	BRSK2	cg10590925	rs28386994	T	A	-0.271	0.029	0.206	4.51E-21	0.006	0.003	0.054	0.023	88.687	TRUE	5.47E-20
FEV1	BRSK2	cg10590925	rs34666042	T	C	0.355	0.031	0.164	1.21E-29	-0.005	0.003	0.123	0.033	127.774	TRUE	2.50E-28
FEV1	BRSK2	cg10590925	rs3793964	T	C	-0.379	0.024	0.368	2.69E-56	0.003	0.002	0.231	0.063	249.796	TRUE	8.44E-54
FEV1	BRSK2	cg10590925	rs4255564	C	T	1.173	0.018	0.260	<1E-200	0.003	0.003	0.331	0.525	4092.344	TRUE	<1E-200
FEV1	BRSK2	cg10590925	rs540448667	G	C	-0.426	0.068	0.033	3.49E-10	-0.008	0.006	0.213	0.011	39.355	TRUE	9.68E-10
FEV1	BRSK2	cg10590925	rs5743915	A	G	0.206	0.024	0.415	3.63E-18	0.000	0.002	0.884	0.020	75.471	TRUE	7.61E-18
FEV1	BRSK2	cg10590925	rs66496921	C	G	-0.179	0.024	0.405	1.35E-13	0.004	0.002	0.089	0.015	54.741	TRUE	6.66E-13
FEV1	BRSK2	cg10590925	rs7395006	C	T	0.358	0.024	0.387	4.35E-50	0.006	0.002	0.015	0.056	221.336	TRUE	3.25E-47
FEV1	BRSK2	cg10590925	rs77338313	A	G	0.988	0.101	0.031	1.04E-22	-0.006	0.008	0.466	0.025	96.153	TRUE	5.06E-22
FEV1	BRSK2	cg10590925	rs79646282	T	C	0.711	0.097	0.038	2.42E-13	-0.008	0.006	0.219	0.014	53.602	TRUE	8.55E-13
FEV1	BRSK2	cg11022513	rs112066837	C	T	0.242	0.024	0.360	4.94E-24	0.003	0.003	0.300	0.027	102.178	TRUE	3.57E-23
FEV1	BRSK2	cg11022513	rs143851582	T	C	0.527	0.069	0.028	3.05E-14	-0.010	0.006	0.124	0.015	57.668	TRUE	1.46E-13
FEV1	BRSK2	cg11254847	rs7102279	T	C	-0.199	0.028	0.238	4.94E-13	-0.002	0.003	0.590	0.014	52.201	TRUE	1.07E-12
FEV1	BRSK2	cg11307363	rs10766272	T	C	0.495	0.061	0.046	6.05E-16	0.002	0.006	0.697	0.017	65.385	TRUE	1.38E-15
FEV1	BRSK2	cg11307363	rs10837858	A	G	0.319	0.053	0.051	1.77E-09	0.004	0.005	0.440	0.010	36.195	TRUE	3.57E-09
FEV1	BRSK2	cg11307363	rs111886352	G	C	-0.224	0.038	0.117	3.87E-09	0.001	0.004	0.846	0.009	34.667	TRUE	5.43E-09
FEV1	BRSK2	cg11307363	rs117107041	A	G	0.567	0.051	0.053	1.31E-28	0.012	0.005	0.016	0.032	123.053	TRUE	6.01E-27
FEV1	BRSK2	cg11307363	rs117431642	T	C	0.747	0.109	0.026	7.57E-12	-0.007	0.008	0.377	0.013	46.850	TRUE	1.90E-11
FEV1	BRSK2	cg11307363	rs12360952	T	C	0.199	0.035	0.305	1.99E-08	0.004	0.003	0.119	0.008	31.486	TRUE	5.77E-08
FEV1	BRSK2	cg11307363	rs12808343	G	A	-0.178	0.028	0.235	2.59E-10	0.001	0.003	0.661	0.011	39.937	TRUE	4.45E-10
FEV1	BRSK2	cg11307363	rs151218125	T	C	-0.337	0.055	0.049	8.20E-10	-0.001	0.006	0.917	0.010	37.693	TRUE	1.13E-09
FEV1	BRSK2	cg11307363	rs2735703	G	A	0.234	0.041	0.092	1.02E-08	0.004	0.004	0.286	0.009	32.776	TRUE	2.28E-08
FEV1	BRSK2	cg11307363	rs34666042	T	C	0.262	0.032	0.164	1.05E-16	-0.005	0.003	0.123	0.018	68.837	TRUE	6.27E-16
FEV1	BRSK2	cg11307363	rs4255564	C	T	0.938	0.023	0.260	<1E-200	0.003	0.003	0.331	0.311	1673.425	TRUE	<1E-200
FEV1	BRSK2	cg11307363	rs55813014	C	T	-0.335	0.023	0.473	6.81E-47	0.006	0.002	0.017	0.053	206.699	TRUE	3.32E-44
FEV1	BRSK2	cg11307363	rs60707923	A	G	-0.322	0.027	0.260	8.83E-34	0.000	0.003	0.905	0.038	146.686	TRUE	5.40E-33
FEV1	BRSK2	cg11307363	rs66658795	T	C	-0.272	0.023	0.445	4.83E-31	0.005	0.002	0.036	0.035	134.170	TRUE	1.96E-29
FEV1	BRSK2	cg11307363	rs7395006	C	T	0.323	0.024	0.387	9.72E-41	0.006	0.002	0.015	0.046	178.519	TRUE	2.01E-38

FEV1	BRSK2	cg11307363	rs74542903	T	C	-0.206	0.036	0.118	1.40E-08	-0.004	0.004	0.233	0.009	32.173	TRUE	3.35E-08
FEV1	BRSK2	cg11307363	rs79646282	T	C	0.598	0.097	0.038	8.24E-10	-0.008	0.006	0.219	0.010	37.682	TRUE	2.21E-09
FEV1	BRSK2	cg11661000	rs10835060	T	G	0.248	0.029	0.193	3.45E-17	0.004	0.003	0.216	0.019	71.029	TRUE	1.67E-16
FEV1	BRSK2	cg11661000	rs112708029	G	T	0.262	0.037	0.112	1.22E-12	-0.001	0.004	0.708	0.013	50.426	TRUE	2.31E-12
FEV1	BRSK2	cg11661000	rs11603080	A	C	-0.404	0.054	0.048	7.23E-14	0.012	0.005	0.032	0.015	55.974	TRUE	5.20E-13
FEV1	BRSK2	cg11661000	rs11606628	T	C	-0.305	0.026	0.278	9.75E-32	-0.008	0.003	0.002	0.036	137.348	TRUE	1.28E-29
FEV1	BRSK2	cg11661000	rs117107041	A	G	-0.597	0.051	0.053	1.76E-31	0.012	0.005	0.016	0.036	136.173	TRUE	1.14E-29
FEV1	BRSK2	cg11661000	rs12808343	G	A	0.224	0.028	0.235	1.95E-15	0.001	0.003	0.661	0.017	63.081	TRUE	4.45E-15
FEV1	BRSK2	cg11661000	rs145553613	C	T	-0.752	0.107	0.031	1.77E-12	0.001	0.009	0.946	0.013	49.694	TRUE	2.67E-12
FEV1	BRSK2	cg11661000	rs2334657	C	T	0.290	0.024	0.400	2.46E-33	0.003	0.002	0.295	0.038	144.653	TRUE	4.19E-32
FEV1	BRSK2	cg11661000	rs34666042	T	C	-0.344	0.031	0.164	8.00E-28	-0.005	0.003	0.123	0.031	119.470	TRUE	1.37E-26
FEV1	BRSK2	cg11661000	rs3793964	T	C	0.411	0.024	0.368	2.76E-66	0.003	0.002	0.231	0.074	295.603	TRUE	3.65E-63
FEV1	BRSK2	cg11661000	rs4255564	C	T	-1.145	0.019	0.260	<1E-200	0.003	0.003	0.331	0.499	3687.225	TRUE	<1E-200
FEV1	BRSK2	cg11661000	rs4963039	T	C	-0.665	0.060	0.044	3.01E-28	0.002	0.006	0.686	0.032	121.408	TRUE	1.62E-27
FEV1	BRSK2	cg11661000	rs60707923	A	G	0.169	0.027	0.260	2.89E-10	0.000	0.003	0.905	0.011	39.727	TRUE	4.07E-10
FEV1	BRSK2	cg11661000	rs66658795	T	C	0.336	0.023	0.445	5.43E-47	0.005	0.002	0.036	0.053	207.152	TRUE	1.58E-44
FEV1	BRSK2	cg11661000	rs7395006	C	T	-0.350	0.024	0.387	8.34E-48	0.006	0.002	0.015	0.054	210.879	TRUE	4.51E-45
FEV1	BRSK2	cg11661000	rs77338313	A	G	-0.813	0.101	0.031	8.85E-16	-0.006	0.008	0.466	0.017	64.635	TRUE	2.62E-15
FEV1	BRSK2	cg11661000	rs868903	T	C	0.227	0.032	0.473	1.21E-12	0.000	0.003	0.970	0.013	50.439	TRUE	1.81E-12
FEV1	BRSK2	cg11724511	rs10833730	C	A	0.160	0.028	0.242	6.97E-09	-0.003	0.003	0.344	0.009	33.526	TRUE	1.50E-08
FEV1	BRSK2	cg11724511	rs117266612	A	G	-0.453	0.072	0.027	2.48E-10	-0.010	0.006	0.126	0.011	40.024	TRUE	8.32E-10
FEV1	BRSK2	cg11724511	rs7122936	C	A	-0.211	0.024	0.407	5.57E-19	0.003	0.002	0.198	0.021	79.170	TRUE	3.18E-18
FEV1	BRSK2	cg11724511	rs7395567	T	C	0.327	0.026	0.266	3.10E-35	0.003	0.003	0.209	0.040	153.336	TRUE	8.34E-34
FEV1	BRSK2	cg11772193	rs12788273	A	G	0.208	0.026	0.277	1.19E-15	-0.001	0.003	0.829	0.017	64.050	TRUE	2.35E-15
FEV1	BRSK2	cg12064373	rs10837407	T	C	-0.217	0.026	0.313	2.54E-17	0.003	0.003	0.291	0.019	71.636	TRUE	1.06E-16
FEV1	BRSK2	cg12064373	rs10837856	T	G	0.388	0.053	0.051	2.26E-13	0.004	0.005	0.402	0.014	53.733	TRUE	6.14E-13
FEV1	BRSK2	cg12064373	rs10839220	A	C	0.130	0.024	0.489	3.29E-08	0.004	0.002	0.058	0.008	30.514	TRUE	1.11E-07
FEV1	BRSK2	cg12064373	rs111886352	G	C	-0.344	0.038	0.117	1.10E-19	0.001	0.004	0.846	0.022	82.370	TRUE	2.66E-19
FEV1	BRSK2	cg12064373	rs11604757	T	C	0.208	0.036	0.118	1.03E-08	0.004	0.004	0.226	0.009	32.769	TRUE	2.53E-08
FEV1	BRSK2	cg12064373	rs11606628	T	C	0.301	0.026	0.278	4.12E-31	-0.008	0.003	0.002	0.035	134.486	TRUE	4.97E-29
FEV1	BRSK2	cg12064373	rs117107041	A	G	0.626	0.051	0.053	1.33E-34	0.012	0.005	0.016	0.039	150.444	TRUE	1.26E-32
FEV1	BRSK2	cg12064373	rs117926221	T	G	-0.376	0.064	0.090	4.51E-09	0.004	0.004	0.320	0.009	34.373	TRUE	1.00E-08
FEV1	BRSK2	cg12064373	rs12575817	T	C	-0.310	0.050	0.060	6.68E-10	0.003	0.005	0.514	0.010	38.091	TRUE	1.28E-09
FEV1	BRSK2	cg12064373	rs181332597	T	C	0.625	0.100	0.036	4.85E-10	-0.001	0.007	0.928	0.010	38.716	TRUE	6.71E-10
FEV1	BRSK2	cg12064373	rs2735703	G	A	0.290	0.041	0.092	1.40E-12	0.004	0.004	0.286	0.013	50.163	TRUE	4.12E-12
FEV1	BRSK2	cg12064373	rs34666042	T	C	0.348	0.031	0.164	1.69E-28	-0.005	0.003	0.123	0.032	122.555	TRUE	3.09E-27
FEV1	BRSK2	cg12064373	rs4255564	C	T	1.184	0.018	0.260	<1E-200	0.003	0.003	0.331	0.536	4278.709	TRUE	<1E-200
FEV1	BRSK2	cg12064373	rs4881747	T	C	-0.332	0.059	0.042	1.65E-08	0.002	0.006	0.722	0.009	31.856	TRUE	2.48E-08
FEV1	BRSK2	cg12064373	rs60707923	A	G	-0.180	0.027	0.260	1.71E-11	0.000	0.003	0.905	0.012	45.250	TRUE	2.54E-11
FEV1	BRSK2	cg12064373	rs66658795	T	C	-0.345	0.023	0.445	1.59E-49	0.005	0.002	0.036	0.056	218.761	TRUE	6.53E-47
FEV1	BRSK2	cg12064373	rs7118474	G	A	-0.172	0.030	0.194	1.06E-08	0.002	0.003	0.408	0.009	32.702	TRUE	2.09E-08
FEV1	BRSK2	cg12064373	rs7395006	C	T	0.320	0.024	0.387	4.10E-40	0.006	0.002	0.015	0.045	175.658	TRUE	7.81E-38

FEV1	BRSK2	cg12064373	rs74542903	T	C	-0.245	0.036	0.118	1.50E-11	-0.004	0.004	0.233	0.012	45.515	TRUE	4.51E-11
FEV1	BRSK2	cg12064373	rs77338313	A	G	0.910	0.101	0.031	1.86E-19	-0.006	0.008	0.466	0.022	81.335	TRUE	7.13E-19
FEV1	BRSK2	cg12064373	rs80138399	A	G	-0.258	0.046	0.076	2.08E-08	0.011	0.005	0.014	0.008	31.405	TRUE	9.40E-08
FEV1	BRSK2	cg12064373	rs868903	T	C	-0.212	0.032	0.473	3.22E-11	0.000	0.003	0.970	0.012	44.018	TRUE	4.51E-11
FEV1	BRSK2	cg12186219	rs10734285	A	C	-0.238	0.031	0.172	2.77E-14	-0.004	0.003	0.211	0.015	57.862	TRUE	1.05E-13
FEV1	BRSK2	cg12186219	rs10766272	T	C	0.720	0.061	0.046	3.19E-32	0.002	0.006	0.697	0.036	139.566	TRUE	2.35E-31
FEV1	BRSK2	cg12186219	rs11039094	C	G	0.216	0.036	0.116	2.13E-09	0.003	0.004	0.455	0.010	35.830	TRUE	4.18E-09
FEV1	BRSK2	cg12186219	rs11603080	A	C	0.399	0.054	0.048	1.59E-13	0.012	0.005	0.032	0.015	54.430	TRUE	1.10E-12
FEV1	BRSK2	cg12186219	rs11604075	T	C	0.431	0.025	0.285	2.79E-64	-0.007	0.003	0.004	0.072	286.403	TRUE	3.63E-60
FEV1	BRSK2	cg12186219	rs11604757	T	C	0.208	0.036	0.118	9.75E-09	0.004	0.004	0.226	0.009	32.874	TRUE	2.40E-08
FEV1	BRSK2	cg12186219	rs117107041	A	G	0.589	0.051	0.053	9.80E-31	0.012	0.005	0.016	0.035	132.769	TRUE	5.78E-29
FEV1	BRSK2	cg12186219	rs117654829	T	A	0.872	0.098	0.038	4.26E-19	-0.001	0.007	0.928	0.021	79.701	TRUE	9.19E-19
FEV1	BRSK2	cg12186219	rs28386994	T	A	-0.264	0.029	0.206	4.26E-20	0.006	0.003	0.054	0.022	84.251	TRUE	4.68E-19
FEV1	BRSK2	cg12186219	rs28672782	T	C	-0.313	0.031	0.184	1.73E-24	0.004	0.003	0.191	0.027	104.250	TRUE	1.68E-23
FEV1	BRSK2	cg12186219	rs34666042	T	C	0.346	0.031	0.164	4.15E-28	-0.005	0.003	0.123	0.032	120.770	TRUE	7.30E-27
FEV1	BRSK2	cg12186219	rs3793964	T	C	-0.405	0.024	0.368	2.55E-64	0.003	0.002	0.231	0.072	286.590	TRUE	2.50E-61
FEV1	BRSK2	cg12186219	rs4255564	C	T	1.190	0.018	0.260	<1E-200	0.003	0.003	0.331	0.541	4351.364	TRUE	<1E-200
FEV1	BRSK2	cg12186219	rs4881724	A	G	-0.260	0.037	0.116	2.00E-12	-0.002	0.004	0.682	0.013	49.458	TRUE	3.81E-12
FEV1	BRSK2	cg12186219	rs5743915	A	G	0.202	0.024	0.415	1.74E-17	0.000	0.002	0.884	0.019	72.386	TRUE	3.50E-17
FEV1	BRSK2	cg12186219	rs66496921	C	G	-0.202	0.024	0.405	4.99E-17	0.004	0.002	0.089	0.019	70.302	TRUE	3.37E-16
FEV1	BRSK2	cg12186219	rs7395006	C	T	0.362	0.024	0.387	3.58E-51	0.006	0.002	0.015	0.058	226.307	TRUE	3.13E-48
FEV1	BRSK2	cg12186219	rs77338313	A	G	0.997	0.101	0.031	3.96E-23	-0.006	0.008	0.466	0.026	98.057	TRUE	1.99E-22
FEV1	BRSK2	cg12405684	rs12787736	T	C	-0.182	0.031	0.156	6.99E-09	-0.004	0.003	0.176	0.009	33.519	TRUE	1.89E-08
FEV1	BRSK2	cg12405684	rs4255564	C	T	0.287	0.026	0.260	8.63E-28	0.003	0.003	0.331	0.031	119.319	TRUE	8.34E-27
FEV1	BRSK2	cg13338306	rs111163743	C	T	0.138	0.024	0.363	1.21E-08	0.003	0.003	0.241	0.009	32.460	TRUE	2.84E-08
FEV1	BRSK2	cg13338306	rs117356396	T	C	0.468	0.071	0.027	4.78E-11	-0.010	0.006	0.117	0.012	43.243	TRUE	1.76E-10
FEV1	BRSK2	cg13338306	rs7105864	T	C	0.155	0.026	0.293	3.37E-09	0.003	0.003	0.300	0.009	34.936	TRUE	7.73E-09
FEV1	BRSK2	cg13880458	rs11028763	C	T	-0.242	0.024	0.359	3.22E-23	0.007	0.002	0.003	0.026	98.466	TRUE	1.46E-21
FEV1	BRSK2	cg13880458	rs117107041	A	G	0.291	0.051	0.053	1.51E-08	0.012	0.005	0.016	0.009	32.025	TRUE	6.94E-08
FEV1	BRSK2	cg13880458	rs3793964	T	C	-0.142	0.024	0.368	5.78E-09	0.003	0.002	0.231	0.009	33.889	TRUE	1.43E-08
FEV1	BRSK2	cg13880458	rs56079025	A	G	0.329	0.053	0.106	5.04E-10	-0.002	0.004	0.597	0.010	38.641	TRUE	8.96E-10
FEV1	BRSK2	cg13880458	rs66658795	T	C	-0.179	0.024	0.445	3.10E-14	0.005	0.002	0.036	0.015	57.639	TRUE	2.12E-13
FEV1	BRSK2	cg13880458	rs7395006	C	T	0.153	0.024	0.387	3.66E-10	0.006	0.002	0.015	0.011	39.266	TRUE	2.04E-09
FEV1	BRSK2	cg13880458	rs7395567	T	C	0.459	0.026	0.266	2.57E-68	0.003	0.003	0.209	0.076	304.919	TRUE	5.12E-65
FEV1	BRSK2	cg13880458	rs79646282	T	C	0.587	0.097	0.038	1.72E-09	-0.008	0.006	0.219	0.010	36.247	TRUE	4.49E-09
FEV1	BRSK2	cg14021073	rs4255564	C	T	-0.326	0.027	0.260	1.06E-34	0.003	0.003	0.331	0.039	150.896	TRUE	1.97E-33
FEV1	BRSK2	cg14021073	rs4881744	G	A	0.158	0.029	0.217	4.38E-08	0.005	0.003	0.070	0.008	29.957	TRUE	1.38E-07
FEV1	BRSK2	cg14064268	rs10734285	A	C	-0.227	0.031	0.172	4.22E-13	-0.004	0.003	0.211	0.014	52.509	TRUE	1.46E-12
FEV1	BRSK2	cg14064268	rs11039094	C	G	0.204	0.036	0.116	1.53E-08	0.003	0.004	0.455	0.009	31.998	TRUE	2.84E-08
FEV1	BRSK2	cg14064268	rs113773442	G	C	-0.276	0.037	0.113	1.08E-13	-0.001	0.004	0.735	0.015	55.189	TRUE	2.08E-13
FEV1	BRSK2	cg14064268	rs11603080	A	C	0.385	0.054	0.048	9.93E-13	0.012	0.005	0.032	0.014	50.831	TRUE	6.33E-12
FEV1	BRSK2	cg14064268	rs11604075	T	C	0.458	0.025	0.285	4.22E-73	-0.007	0.003	0.004	0.081	326.875	TRUE	2.56E-68

FEV1	BRSK2	cg14064268	rs117107041	A	G	0.569	0.051	0.053	1.04E-28	0.012	0.005	0.016	0.032	123.508	TRUE	4.84E-27
FEV1	BRSK2	cg14064268	rs145553613	C	T	0.840	0.106	0.031	2.89E-15	0.001	0.009	0.946	0.017	62.303	TRUE	4.98E-15
FEV1	BRSK2	cg14064268	rs28386994	T	A	-0.274	0.029	0.206	1.44E-21	0.006	0.003	0.054	0.024	90.944	TRUE	1.84E-20
FEV1	BRSK2	cg14064268	rs28672782	T	C	-0.305	0.031	0.184	2.31E-23	0.004	0.003	0.191	0.026	99.126	TRUE	2.01E-22
FEV1	BRSK2	cg14064268	rs34666042	T	C	0.319	0.031	0.164	3.37E-24	-0.005	0.003	0.123	0.027	102.931	TRUE	4.03E-23
FEV1	BRSK2	cg14064268	rs3793964	T	C	-0.367	0.024	0.368	9.79E-53	0.003	0.002	0.231	0.059	233.470	TRUE	1.91E-50
FEV1	BRSK2	cg14064268	rs4255564	C	T	1.107	0.019	0.260	<1E-200	0.003	0.003	0.331	0.466	3229.440	TRUE	<1E-200
FEV1	BRSK2	cg14064268	rs5743915	A	G	0.199	0.024	0.415	4.84E-17	0.000	0.002	0.884	0.019	70.361	TRUE	9.54E-17
FEV1	BRSK2	cg14064268	rs66496921	C	G	-0.157	0.024	0.405	8.01E-11	0.004	0.002	0.089	0.011	42.232	TRUE	3.05E-10
FEV1	BRSK2	cg14064268	rs7395006	C	T	0.336	0.024	0.387	6.55E-44	0.006	0.002	0.015	0.050	193.040	TRUE	2.07E-41
FEV1	BRSK2	cg14064268	rs77338313	A	G	0.956	0.101	0.031	2.47E-21	-0.006	0.008	0.466	0.024	89.878	TRUE	1.09E-20
FEV1	BRSK2	cg14064268	rs79646282	T	C	0.609	0.097	0.038	4.09E-10	-0.008	0.006	0.219	0.010	39.050	TRUE	1.12E-09
FEV1	BRSK2	cg14306344	rs7395567	T	C	0.198	0.026	0.266	4.97E-14	0.003	0.003	0.209	0.015	56.711	TRUE	1.91E-13
FEV1	BRSK2	cg14621221	rs10832803	T	C	-0.229	0.033	0.159	3.45E-12	0.006	0.003	0.084	0.013	48.388	TRUE	1.52E-11
FEV1	BRSK2	cg14621221	rs11035302	C	A	-0.275	0.025	0.313	3.27E-27	0.001	0.003	0.660	0.031	116.680	TRUE	1.69E-26
FEV1	BRSK2	cg14621221	rs11608241	T	C	0.536	0.092	0.019	4.94E-09	0.006	0.009	0.466	0.009	34.196	TRUE	9.39E-09
FEV1	BRSK2	cg14621221	rs143524208	C	T	0.226	0.038	0.103	4.32E-09	0.007	0.004	0.060	0.009	34.455	TRUE	1.57E-08
FEV1	BRSK2	cg14621221	rs2735733	T	C	-0.224	0.024	0.446	2.57E-21	0.006	0.002	0.010	0.024	89.803	TRUE	6.00E-20
FEV1	BRSK2	cg14621221	rs34664315	A	G	0.192	0.028	0.211	1.09E-11	-0.002	0.003	0.401	0.012	46.127	TRUE	2.62E-11
FEV1	BRSK2	cg14621221	rs4312093	A	G	-0.297	0.031	0.176	1.11E-21	-0.004	0.003	0.234	0.024	91.458	TRUE	7.64E-21
FEV1	BRSK2	cg14621221	rs61869029	A	G	0.299	0.039	0.221	1.02E-14	-0.009	0.003	0.002	0.016	59.831	TRUE	1.53E-13
FEV1	BRSK2	cg14621221	rs7105864	T	C	0.148	0.026	0.293	2.02E-08	0.003	0.003	0.300	0.008	31.453	TRUE	4.39E-08
FEV1	BRSK2	cg14621221	rs7395567	T	C	0.676	0.026	0.266	3.74E-154	0.003	0.003	0.209	0.159	699.176	TRUE	1.18E-142
FEV1	BRSK2	cg14621221	rs74046935	G	A	-0.294	0.026	0.297	9.54E-31	-0.001	0.003	0.585	0.035	132.821	TRUE	7.48E-30
FEV1	BRSK2	cg14621221	rs7482040	C	T	0.492	0.061	0.045	4.68E-16	0.002	0.006	0.723	0.018	65.890	TRUE	1.04E-15
FEV1	BRSK2	cg14621221	rs77338313	A	G	0.673	0.101	0.031	3.32E-11	-0.006	0.008	0.466	0.012	43.957	TRUE	7.26E-11
FEV1	BRSK2	cg15411034	rs10832574	T	C	0.231	0.024	0.390	1.96E-21	0.006	0.002	0.011	0.024	90.338	TRUE	4.37E-20
FEV1	BRSK2	cg15411034	rs11599943	T	C	0.566	0.066	0.031	1.33E-17	0.013	0.007	0.039	0.019	72.907	TRUE	1.30E-16
FEV1	BRSK2	cg15411034	rs11604075	T	C	0.267	0.026	0.285	2.71E-25	-0.007	0.003	0.004	0.028	107.921	TRUE	1.28E-23
FEV1	BRSK2	cg15411034	rs117431642	T	C	0.765	0.109	0.026	2.42E-12	-0.007	0.008	0.377	0.013	49.087	TRUE	6.28E-12
FEV1	BRSK2	cg15411034	rs145553613	C	T	0.713	0.107	0.031	2.36E-11	0.001	0.009	0.946	0.012	44.622	TRUE	3.39E-11
FEV1	BRSK2	cg15411034	rs1574122	T	C	-0.224	0.030	0.187	5.95E-14	0.004	0.003	0.151	0.015	56.357	TRUE	2.56E-13
FEV1	BRSK2	cg15411034	rs34666042	T	C	0.252	0.032	0.164	1.41E-15	-0.005	0.003	0.123	0.017	63.719	TRUE	7.61E-15
FEV1	BRSK2	cg15411034	rs55813014	C	T	-0.291	0.023	0.473	1.23E-35	0.006	0.002	0.017	0.040	155.172	TRUE	1.35E-33
FEV1	BRSK2	cg15411034	rs7395567	T	C	0.829	0.025	0.266	5.39E-243	0.003	0.003	0.209	0.230	1107.624	TRUE	2.55E-218
FEV1	BRSK2	cg15465743	rs1021342	C	T	0.294	0.044	0.079	1.53E-11	0.002	0.004	0.582	0.012	45.476	TRUE	3.01E-11
FEV1	BRSK2	cg15465743	rs10734285	A	C	0.220	0.031	0.172	1.98E-12	-0.004	0.003	0.211	0.013	49.478	TRUE	6.51E-12
FEV1	BRSK2	cg15465743	rs10832574	T	C	-0.363	0.024	0.390	2.73E-51	0.006	0.002	0.011	0.058	226.850	TRUE	2.89E-48
FEV1	BRSK2	cg15465743	rs10837856	T	G	-0.397	0.053	0.051	6.07E-14	0.004	0.005	0.402	0.015	56.319	TRUE	1.71E-13
FEV1	BRSK2	cg15465743	rs11604075	T	C	-0.374	0.026	0.285	1.93E-48	-0.007	0.003	0.004	0.055	213.787	TRUE	2.05E-45
FEV1	BRSK2	cg15465743	rs117107041	A	G	-0.635	0.051	0.053	1.54E-35	0.012	0.005	0.016	0.040	154.724	TRUE	1.64E-33
FEV1	BRSK2	cg15465743	rs12575817	T	C	0.328	0.050	0.060	6.14E-11	0.003	0.005	0.514	0.011	42.753	TRUE	1.25E-10

FEV1	BRSK2	cg15465743	rs138604115	T	C	0.297	0.053	0.049	2.28E-08	0.001	0.005	0.880	0.008	31.223	TRUE	3.04E-08
FEV1	BRSK2	cg15465743	rs145553613	C	T	-0.933	0.106	0.031	1.43E-18	0.001	0.009	0.946	0.020	77.316	TRUE	2.92E-18
FEV1	BRSK2	cg15465743	rs28386994	T	A	0.260	0.029	0.206	1.75E-19	0.006	0.003	0.054	0.022	81.454	TRUE	1.81E-18
FEV1	BRSK2	cg15465743	rs28672782	T	C	0.302	0.031	0.184	7.16E-23	0.004	0.003	0.191	0.026	96.884	TRUE	5.99E-22
FEV1	BRSK2	cg15465743	rs34666042	T	C	-0.350	0.031	0.164	6.79E-29	-0.005	0.003	0.123	0.033	124.359	TRUE	1.29E-27
FEV1	BRSK2	cg15465743	rs3793964	T	C	0.412	0.024	0.368	1.82E-66	0.003	0.002	0.231	0.074	296.429	TRUE	2.47E-63
FEV1	BRSK2	cg15465743	rs4255564	C	T	-1.201	0.018	0.260	<1E-200	0.003	0.003	0.331	0.552	4558.800	TRUE	<1E-200
FEV1	BRSK2	cg15465743	rs66496921	C	G	0.210	0.024	0.405	3.29E-18	0.004	0.002	0.089	0.020	75.665	TRUE	2.48E-17
FEV1	BRSK2	cg15465743	rs77338313	A	G	-0.908	0.101	0.031	2.22E-19	-0.006	0.008	0.466	0.021	80.989	TRUE	8.44E-19
FEV1	BRSK2	cg15465743	rs868903	T	C	0.206	0.032	0.473	1.24E-10	0.000	0.003	0.970	0.011	41.371	TRUE	1.70E-10
FEV1	BRSK2	cg16022876	rs7395835	C	T	0.275	0.025	0.316	1.69E-28	0.003	0.003	0.300	0.032	122.557	TRUE	1.81E-27
FEV1	BRSK2	cg16274762	rs11604075	T	C	0.228	0.026	0.285	6.77E-19	-0.007	0.003	0.004	0.021	78.788	TRUE	1.45E-17
FEV1	BRSK2	cg16274762	rs7932863	A	G	0.312	0.026	0.270	2.94E-32	0.003	0.003	0.209	0.036	139.727	TRUE	5.81E-31
FEV1	BRSK2	cg16414796	rs10832574	T	C	0.251	0.024	0.390	5.03E-25	0.006	0.002	0.011	0.028	106.699	TRUE	1.71E-23
FEV1	BRSK2	cg16414796	rs11604075	T	C	0.210	0.026	0.285	3.47E-16	-0.007	0.003	0.004	0.018	66.482	TRUE	5.34E-15
FEV1	BRSK2	cg16414796	rs117107041	A	G	0.290	0.051	0.053	1.70E-08	0.012	0.005	0.016	0.009	31.790	TRUE	7.78E-08
FEV1	BRSK2	cg16414796	rs3793964	T	C	-0.235	0.024	0.368	2.82E-22	0.003	0.002	0.231	0.025	94.169	TRUE	2.06E-21
FEV1	BRSK2	cg16414796	rs7395567	T	C	0.562	0.026	0.266	1.49E-103	0.003	0.003	0.209	0.112	466.683	TRUE	1.83E-97
FEV1	BRSK2	cg16793525	rs7395567	T	C	0.273	0.027	0.266	6.94E-25	0.003	0.003	0.209	0.028	106.062	TRUE	6.76E-24
FEV1	BRSK2	cg16885982	rs10833257	T	C	-0.193	0.024	0.471	2.26E-16	0.001	0.002	0.663	0.018	67.323	TRUE	5.49E-16
FEV1	BRSK2	cg16885982	rs111886352	G	C	-0.237	0.038	0.117	4.30E-10	0.001	0.004	0.846	0.010	38.950	TRUE	6.29E-10
FEV1	BRSK2	cg16885982	rs34805614	C	A	-0.160	0.024	0.451	1.98E-11	0.005	0.002	0.028	0.012	44.964	TRUE	1.13E-10
FEV1	BRSK2	cg16885982	rs35700114	G	A	0.193	0.028	0.208	1.28E-11	-0.003	0.003	0.241	0.012	45.817	TRUE	3.82E-11
FEV1	BRSK2	cg16885982	rs5743931	T	C	0.192	0.031	0.171	8.45E-10	-0.001	0.003	0.702	0.010	37.632	TRUE	1.36E-09
FEV1	BRSK2	cg16885982	rs61867471	T	C	-0.173	0.031	0.180	2.69E-08	-0.007	0.003	0.017	0.008	30.903	TRUE	1.16E-07
FEV1	BRSK2	cg16885982	rs61869711	T	C	0.136	0.025	0.329	4.99E-08	0.004	0.003	0.144	0.008	29.703	TRUE	1.32E-07
FEV1	BRSK2	cg16885982	rs74542903	T	C	0.706	0.035	0.118	1.50E-88	-0.004	0.004	0.233	0.097	397.785	TRUE	8.36E-84
FEV1	BRSK2	cg17018661	rs111886352	G	C	-0.270	0.038	0.117	1.07E-12	0.001	0.004	0.846	0.014	50.683	TRUE	1.77E-12
FEV1	BRSK2	cg17018661	rs11606628	T	C	-0.270	0.026	0.278	2.83E-25	-0.008	0.003	0.002	0.028	107.837	TRUE	1.60E-23
FEV1	BRSK2	cg17018661	rs116865438	T	C	0.746	0.095	0.016	4.24E-15	0.001	0.009	0.905	0.016	61.552	TRUE	7.52E-15
FEV1	BRSK2	cg17018661	rs11822087	C	A	-0.161	0.027	0.262	2.22E-09	0.002	0.003	0.382	0.010	35.751	TRUE	4.63E-09
FEV1	BRSK2	cg17018661	rs12786504	A	G	0.208	0.034	0.138	1.25E-09	0.004	0.004	0.235	0.010	36.866	TRUE	3.24E-09
FEV1	BRSK2	cg17018661	rs1565368	T	C	0.180	0.028	0.222	1.45E-10	0.006	0.003	0.044	0.011	41.075	TRUE	6.74E-10
FEV1	BRSK2	cg17018661	rs2471912	G	A	-0.279	0.023	0.476	7.29E-33	0.005	0.002	0.045	0.037	142.496	TRUE	3.66E-31
FEV1	BRSK2	cg17018661	rs7102832	T	C	0.153	0.028	0.238	4.27E-08	-0.002	0.003	0.540	0.008	30.007	TRUE	7.27E-08
FEV1	BRSK2	cg17018661	rs7395006	C	T	0.153	0.024	0.387	4.01E-10	0.006	0.002	0.015	0.010	39.085	TRUE	2.23E-09
FEV1	BRSK2	cg17018661	rs75723867	A	C	-0.208	0.026	0.283	1.24E-15	-0.007	0.003	0.005	0.017	63.972	TRUE	1.68E-14
FEV1	BRSK2	cg17018661	rs7932863	A	G	0.525	0.026	0.270	7.77E-91	0.003	0.003	0.209	0.099	408.282	TRUE	7.56E-86
FEV1	BRSK2	cg17018661	rs9651654	C	T	0.233	0.028	0.237	4.69E-17	0.004	0.003	0.185	0.019	70.426	TRUE	2.43E-16
FEV1	BRSK2	cg17416644	rs10832803	T	C	-0.440	0.033	0.159	1.39E-41	0.006	0.003	0.084	0.047	182.393	TRUE	1.29E-39
FEV1	BRSK2	cg17416644	rs10837856	T	G	0.320	0.053	0.051	1.58E-09	0.004	0.005	0.402	0.010	36.415	TRUE	3.31E-09
FEV1	BRSK2	cg17416644	rs113476683	T	G	-0.581	0.038	0.106	3.40E-53	-0.002	0.004	0.686	0.060	235.575	TRUE	2.21E-51

FEV1	BRSK2	cg17416644	rs11599943	T	C	0.757	0.066	0.031	2.04E-30	0.013	0.007	0.039	0.034	131.317	TRUE	7.88E-29
FEV1	BRSK2	cg17416644	rs116927247	T	C	-0.526	0.072	0.026	4.02E-13	-0.010	0.006	0.121	0.014	52.603	TRUE	1.76E-12
FEV1	BRSK2	cg17416644	rs11825487	T	C	0.236	0.030	0.180	7.15E-15	-0.008	0.003	0.009	0.016	60.525	TRUE	7.82E-14
FEV1	BRSK2	cg17416644	rs12792005	A	G	-0.592	0.064	0.038	2.38E-20	0.005	0.006	0.428	0.023	85.398	TRUE	1.01E-19
FEV1	BRSK2	cg17416644	rs145553613	C	T	0.882	0.106	0.031	1.01E-16	0.001	0.009	0.946	0.018	68.919	TRUE	1.87E-16
FEV1	BRSK2	cg17416644	rs28533997	C	T	-0.189	0.029	0.235	4.53E-11	-0.005	0.003	0.103	0.012	43.349	TRUE	1.74E-10
FEV1	BRSK2	cg17416644	rs28555282	T	C	-0.782	0.022	0.398	1.95E-271	0.006	0.002	0.007	0.251	1238.419	TRUE	1.05E-239
FEV1	BRSK2	cg17416644	rs28699476	G	A	0.268	0.028	0.213	1.96E-21	-0.003	0.003	0.300	0.024	90.337	TRUE	1.14E-20
FEV1	BRSK2	cg17416644	rs3793964	T	C	-0.331	0.024	0.368	5.70E-43	0.003	0.002	0.231	0.049	188.736	TRUE	3.34E-41
FEV1	BRSK2	cg17416644	rs4255564	C	T	1.057	0.020	0.260	<1E-200	0.003	0.003	0.331	0.423	2710.461	TRUE	<1E-200
FEV1	BRSK2	cg17416644	rs60078451	A	T	0.313	0.050	0.065	2.57E-10	0.001	0.005	0.795	0.011	39.954	TRUE	4.00E-10
FEV1	BRSK2	cg17416644	rs61869676	A	G	0.462	0.046	0.127	1.79E-23	-0.008	0.003	0.016	0.026	99.628	TRUE	4.49E-22
FEV1	BRSK2	cg17416644	rs66658795	T	C	-0.328	0.023	0.445	1.08E-44	0.005	0.002	0.036	0.050	196.622	TRUE	2.32E-42
FEV1	BRSK2	cg17416644	rs7103274	A	G	-0.182	0.030	0.197	1.39E-09	0.000	0.003	0.995	0.010	36.669	TRUE	1.78E-09
FEV1	BRSK2	cg17416644	rs7108443	G	T	-0.426	0.042	0.089	7.84E-24	0.007	0.004	0.117	0.027	101.263	TRUE	9.37E-23
FEV1	BRSK2	cg17416644	rs72847985	A	G	0.319	0.033	0.146	2.76E-22	-0.003	0.003	0.448	0.025	94.213	TRUE	1.33E-21
FEV1	BRSK2	cg17416644	rs76324386	T	C	-0.321	0.046	0.072	2.28E-12	0.012	0.005	0.009	0.013	49.204	TRUE	1.85E-11
FEV1	BRSK2	cg17416644	rs77338313	A	G	0.972	0.101	0.031	4.70E-22	-0.006	0.008	0.466	0.025	93.160	TRUE	2.18E-21
FEV1	BRSK2	cg17416644	rs79956640	G	A	-0.773	0.082	0.022	5.42E-21	-0.001	0.007	0.936	0.023	88.326	TRUE	1.29E-20
FEV1	BRSK2	cg17416644	rs868903	T	C	-0.193	0.032	0.473	1.65E-09	0.000	0.003	0.970	0.010	36.326	TRUE	2.16E-09
FEV1	BRSK2	cg17429870	rs10734285	A	C	-0.245	0.031	0.172	4.93E-15	-0.004	0.003	0.211	0.016	61.254	TRUE	2.00E-14
FEV1	BRSK2	cg17429870	rs11029917	T	C	-0.283	0.037	0.116	2.29E-14	0.000	0.004	0.905	0.015	58.236	TRUE	3.89E-14
FEV1	BRSK2	cg17429870	rs11604075	T	C	0.498	0.025	0.285	1.07E-86	-0.007	0.003	0.004	0.095	389.270	TRUE	8.70E-81
FEV1	BRSK2	cg17429870	rs117107041	A	G	0.605	0.051	0.053	2.47E-32	0.012	0.005	0.016	0.036	140.069	TRUE	1.77E-30
FEV1	BRSK2	cg17429870	rs145553613	C	T	0.894	0.106	0.031	3.95E-17	0.001	0.009	0.946	0.019	70.763	TRUE	7.48E-17
FEV1	BRSK2	cg17429870	rs1715357	G	A	0.376	0.053	0.052	1.24E-12	0.004	0.005	0.450	0.013	50.396	TRUE	3.00E-12
FEV1	BRSK2	cg17429870	rs28386994	T	A	-0.263	0.029	0.206	6.46E-20	0.006	0.003	0.054	0.022	83.429	TRUE	6.96E-19
FEV1	BRSK2	cg17429870	rs28672782	T	C	-0.370	0.031	0.184	8.22E-34	0.004	0.003	0.191	0.038	146.829	TRUE	1.97E-32
FEV1	BRSK2	cg17429870	rs28971577	C	T	-0.159	0.029	0.231	2.70E-08	-0.005	0.003	0.107	0.008	30.892	TRUE	8.01E-08
FEV1	BRSK2	cg17429870	rs34666042	T	C	0.341	0.031	0.164	2.30E-27	-0.005	0.003	0.123	0.031	117.376	TRUE	3.75E-26
FEV1	BRSK2	cg17429870	rs3793964	T	C	-0.374	0.024	0.368	7.41E-55	0.003	0.002	0.231	0.062	243.195	TRUE	1.91E-52
FEV1	BRSK2	cg17429870	rs4077759	C	T	-0.148	0.025	0.370	1.64E-09	-0.009	0.002	4.46E-04	0.010	36.339	TRUE	1.60E-08
FEV1	BRSK2	cg17429870	rs4255564	C	T	1.165	0.018	0.260	<1E-200	0.003	0.003	0.331	0.518	3971.898	TRUE	<1E-200
FEV1	BRSK2	cg17429870	rs5743915	A	G	0.216	0.024	0.415	7.94E-20	0.000	0.002	0.884	0.022	83.020	TRUE	1.83E-19
FEV1	BRSK2	cg17429870	rs66496921	C	G	-0.175	0.024	0.405	4.24E-13	0.004	0.002	0.089	0.014	52.501	TRUE	1.99E-12
FEV1	BRSK2	cg17429870	rs72847939	T	C	-0.457	0.081	0.017	1.62E-08	-0.002	0.009	0.785	0.009	31.892	TRUE	2.31E-08
FEV1	BRSK2	cg17429870	rs7395006	C	T	0.367	0.024	0.387	2.18E-52	0.006	0.002	0.015	0.059	231.874	TRUE	2.28E-49
FEV1	BRSK2	cg17429870	rs77338313	A	G	0.937	0.101	0.031	1.53E-20	-0.006	0.008	0.466	0.023	86.273	TRUE	6.34E-20
FEV1	BRSK2	cg17429870	rs79646282	T	C	0.700	0.097	0.038	5.92E-13	-0.008	0.006	0.219	0.014	51.845	TRUE	2.03E-12
FEV1	BRSK2	cg17429870	rs80138399	A	G	-0.271	0.046	0.076	3.83E-09	0.011	0.005	0.014	0.009	34.690	TRUE	1.90E-08
FEV1	BRSK2	cg17658113	rs10734285	A	C	0.234	0.031	0.172	6.57E-14	-0.004	0.003	0.211	0.015	56.163	TRUE	2.43E-13
FEV1	BRSK2	cg17658113	rs11039094	C	G	-0.229	0.036	0.116	1.96E-10	0.003	0.004	0.455	0.011	40.483	TRUE	4.11E-10

FEV1	BRSK2	cg17658113	rs111886352	G	C	0.313	0.038	0.117	1.68E-16	0.001	0.004	0.846	0.018	67.913	TRUE	3.36E-16
FEV1	BRSK2	cg17658113	rs11603080	A	C	-0.402	0.054	0.048	1.06E-13	0.012	0.005	0.032	0.015	55.227	TRUE	7.47E-13
FEV1	BRSK2	cg17658113	rs11604075	T	C	-0.387	0.026	0.285	4.70E-52	-0.007	0.003	0.004	0.059	230.346	TRUE	8.59E-49
FEV1	BRSK2	cg17658113	rs11604757	T	C	-0.204	0.036	0.118	1.99E-08	0.004	0.004	0.226	0.008	31.484	TRUE	4.79E-08
FEV1	BRSK2	cg17658113	rs117107041	A	G	-0.629	0.051	0.053	7.43E-35	0.012	0.005	0.016	0.039	151.601	TRUE	7.26E-33
FEV1	BRSK2	cg17658113	rs12282543	G	A	0.275	0.029	0.221	5.98E-22	0.002	0.003	0.456	0.024	92.684	TRUE	2.79E-21
FEV1	BRSK2	cg17658113	rs145553613	C	T	-0.878	0.106	0.031	1.40E-16	0.001	0.009	0.946	0.018	68.263	TRUE	2.58E-16
FEV1	BRSK2	cg17658113	rs28386994	T	A	0.231	0.029	0.206	9.50E-16	0.006	0.003	0.054	0.017	64.496	TRUE	6.78E-15
FEV1	BRSK2	cg17658113	rs34666042	T	C	-0.335	0.031	0.164	1.78E-26	-0.005	0.003	0.123	0.030	113.320	TRUE	2.66E-25
FEV1	BRSK2	cg17658113	rs4255564	C	T	-1.203	0.018	0.260	<1E-200	0.003	0.003	0.331	0.554	4592.730	TRUE	<1E-200
FEV1	BRSK2	cg17658113	rs4881724	A	G	0.248	0.037	0.116	2.15E-11	-0.002	0.004	0.682	0.012	44.804	TRUE	3.88E-11
FEV1	BRSK2	cg17658113	rs55813014	C	T	0.405	0.023	0.473	1.88E-68	0.006	0.002	0.017	0.076	305.549	TRUE	2.55E-64
FEV1	BRSK2	cg17658113	rs5743915	A	G	-0.208	0.024	0.415	1.86E-18	0.000	0.002	0.884	0.020	76.787	TRUE	3.97E-18
FEV1	BRSK2	cg17658113	rs7395006	C	T	-0.344	0.024	0.387	5.18E-46	0.006	0.002	0.015	0.052	202.666	TRUE	2.18E-43
FEV1	BRSK2	cg17658113	rs76324386	T	C	0.292	0.046	0.072	1.73E-10	0.012	0.005	0.009	0.011	40.728	TRUE	1.12E-09
FEV1	BRSK2	cg17658113	rs77338313	A	G	-0.950	0.101	0.031	4.12E-21	-0.006	0.008	0.466	0.023	88.871	TRUE	1.78E-20
FEV1	BRSK2	cg17658113	rs868903	T	C	0.203	0.032	0.473	2.37E-10	0.000	0.003	0.970	0.011	40.114	TRUE	3.21E-10
FEV1	BRSK2	cg18039789	rs10766282	T	A	0.548	0.061	0.046	1.85E-19	0.002	0.006	0.697	0.022	81.352	TRUE	5.24E-19
FEV1	BRSK2	cg18039789	rs10832955	T	C	-0.273	0.024	0.368	1.45E-29	0.005	0.002	0.048	0.033	127.429	TRUE	4.76E-28
FEV1	BRSK2	cg18039789	rs10835060	T	G	-0.198	0.029	0.193	2.06E-11	0.004	0.003	0.216	0.012	44.891	TRUE	6.28E-11
FEV1	BRSK2	cg18039789	rs117654829	T	A	0.581	0.098	0.038	3.44E-09	-0.001	0.007	0.928	0.009	34.898	TRUE	4.60E-09
FEV1	BRSK2	cg18039789	rs34666042	T	C	0.265	0.032	0.164	4.59E-17	-0.005	0.003	0.123	0.019	70.465	TRUE	2.83E-16
FEV1	BRSK2	cg18039789	rs4255564	C	T	0.866	0.024	0.260	6.75E-296	0.003	0.003	0.331	0.268	1350.919	TRUE	9.79E-262
FEV1	BRSK2	cg18039789	rs4963076	T	C	0.331	0.023	0.498	1.32E-45	0.000	0.002	0.920	0.051	200.810	TRUE	2.35E-44
FEV1	BRSK2	cg18039789	rs5743915	A	G	0.142	0.024	0.415	2.33E-09	0.000	0.002	0.884	0.010	35.655	TRUE	3.19E-09
FEV1	BRSK2	cg18039789	rs61867539	T	C	0.242	0.027	0.245	4.77E-19	-0.009	0.003	0.002	0.021	79.480	TRUE	1.34E-17
FEV1	BRSK2	cg18039789	rs66658795	T	C	-0.219	0.024	0.445	1.27E-20	0.005	0.002	0.036	0.023	86.637	TRUE	1.67E-19
FEV1	BRSK2	cg18039789	rs7395006	C	T	0.224	0.024	0.387	3.67E-20	0.006	0.002	0.015	0.022	84.546	TRUE	6.35E-19
FEV1	BRSK2	cg18039789	rs77338313	A	G	0.829	0.101	0.031	2.52E-16	-0.006	0.008	0.466	0.018	67.107	TRUE	7.74E-16
FEV1	BRSK2	cg18049328	rs10766282	T	A	0.414	0.061	0.046	1.03E-11	0.002	0.006	0.697	0.012	46.244	TRUE	1.86E-11
FEV1	BRSK2	cg18049328	rs10832574	T	C	0.180	0.024	0.390	1.53E-13	0.006	0.002	0.011	0.015	54.506	TRUE	1.37E-12
FEV1	BRSK2	cg18049328	rs11604075	T	C	0.251	0.026	0.285	1.85E-22	-0.007	0.003	0.004	0.025	95.004	TRUE	6.14E-21
FEV1	BRSK2	cg18049328	rs34666042	T	C	0.180	0.032	0.164	1.20E-08	-0.005	0.003	0.123	0.009	32.462	TRUE	3.50E-08
FEV1	BRSK2	cg18049328	rs3793964	T	C	-0.214	0.024	0.368	1.23E-18	0.003	0.002	0.231	0.021	77.605	TRUE	6.59E-18
FEV1	BRSK2	cg18049328	rs4312093	A	G	-0.205	0.031	0.176	4.69E-11	-0.004	0.003	0.234	0.012	43.279	TRUE	1.36E-10
FEV1	BRSK2	cg18049328	rs7395567	T	C	0.633	0.026	0.266	8.32E-133	0.003	0.003	0.209	0.140	601.073	TRUE	8.72E-124
FEV1	BRSK2	cg18049328	rs77338313	A	G	0.597	0.102	0.031	4.23E-09	-0.006	0.008	0.466	0.009	34.496	TRUE	8.12E-09
FEV1	BRSK2	cg18049328	rs7951820	T	C	-0.163	0.029	0.213	1.08E-08	0.005	0.003	0.091	0.009	32.669	TRUE	3.46E-08
FEV1	BRSK2	cg18133074	rs60707923	A	G	-0.223	0.026	0.260	2.37E-17	0.000	0.003	0.905	0.019	71.773	TRUE	4.69E-17
FEV1	BRSK2	cg18509719	rs10832574	T	C	-0.172	0.024	0.390	1.67E-12	0.006	0.002	0.011	0.013	49.814	TRUE	1.33E-11
FEV1	BRSK2	cg18509719	rs11029917	T	C	0.294	0.037	0.116	1.98E-15	0.000	0.004	0.905	0.017	63.051	TRUE	3.55E-15
FEV1	BRSK2	cg18509719	rs115584864	C	G	0.165	0.026	0.273	3.44E-10	0.002	0.003	0.406	0.011	39.389	TRUE	7.40E-10

FEV1	BRSK2	cg18509719	rs11604075	T	C	-0.223	0.026	0.285	4.23E-18	-0.007	0.003	0.004	0.020	75.171	TRUE	8.23E-17
FEV1	BRSK2	cg18509719	rs117107041	A	G	-0.346	0.051	0.053	1.67E-11	0.012	0.005	0.016	0.012	45.301	TRUE	1.09E-10
FEV1	BRSK2	cg18509719	rs117479064	C	T	0.384	0.068	0.034	1.98E-08	-0.008	0.006	0.198	0.008	31.499	TRUE	4.89E-08
FEV1	BRSK2	cg18509719	rs1881509	A	G	0.242	0.031	0.177	6.24E-15	-0.003	0.003	0.256	0.016	60.792	TRUE	2.34E-14
FEV1	BRSK2	cg18509719	rs28454072	T	G	-0.294	0.053	0.051	3.42E-08	0.004	0.005	0.500	0.008	30.439	TRUE	6.03E-08
FEV1	BRSK2	cg18509719	rs34666042	T	C	-0.215	0.032	0.164	9.74E-12	-0.005	0.003	0.123	0.012	46.354	TRUE	3.74E-11
FEV1	BRSK2	cg18509719	rs5743915	A	G	-0.130	0.024	0.415	4.18E-08	0.000	0.002	0.884	0.008	30.048	TRUE	5.44E-08
FEV1	BRSK2	cg18509719	rs7395567	T	C	-0.702	0.025	0.266	3.93E-168	0.003	0.003	0.209	0.171	763.426	TRUE	7.31E-155
FEV1	BRSK2	cg18509719	rs868903	T	C	0.179	0.032	0.473	2.24E-08	0.000	0.003	0.970	0.008	31.261	TRUE	2.81E-08
FEV1	BRSK2	cg18539086	rs11607958	C	T	0.135	0.025	0.348	4.32E-08	-0.007	0.002	0.005	0.008	29.982	TRUE	2.38E-07
FEV1	BRSK2	cg18539086	rs117107041	A	G	0.295	0.051	0.053	8.65E-09	0.012	0.005	0.016	0.009	33.106	TRUE	4.10E-08
FEV1	BRSK2	cg18539086	rs3793964	T	C	-0.136	0.024	0.368	1.95E-08	0.003	0.002	0.231	0.008	31.523	TRUE	4.64E-08
FEV1	BRSK2	cg18539086	rs4255564	C	T	0.364	0.027	0.260	9.07E-43	0.003	0.003	0.331	0.048	187.814	TRUE	3.97E-41
FEV1	BRSK2	cg19494188	rs7395567	T	C	0.294	0.027	0.266	1.24E-28	0.003	0.003	0.209	0.032	123.169	TRUE	1.71E-27
FEV1	BRSK2	cg19613205	rs10766282	T	A	0.504	0.061	0.046	1.08E-16	0.002	0.006	0.697	0.018	68.789	TRUE	2.57E-16
FEV1	BRSK2	cg19613205	rs10835060	T	G	-0.213	0.029	0.193	4.87E-13	0.004	0.003	0.216	0.014	52.227	TRUE	1.69E-12
FEV1	BRSK2	cg19613205	rs10902093	G	A	0.142	0.025	0.325	2.09E-08	-0.004	0.003	0.104	0.008	31.390	TRUE	6.25E-08
FEV1	BRSK2	cg19613205	rs11029917	T	C	-0.216	0.037	0.116	5.45E-09	0.000	0.004	0.905	0.009	34.002	TRUE	7.29E-09
FEV1	BRSK2	cg19613205	rs11606628	T	C	0.277	0.026	0.278	2.32E-26	-0.008	0.003	0.002	0.030	112.797	TRUE	1.51E-24
FEV1	BRSK2	cg19613205	rs117107041	A	G	0.529	0.051	0.053	5.78E-25	0.012	0.005	0.016	0.028	106.426	TRUE	1.73E-23
FEV1	BRSK2	cg19613205	rs12808343	G	A	-0.229	0.028	0.235	4.34E-16	0.001	0.003	0.661	0.018	66.042	TRUE	1.03E-15
FEV1	BRSK2	cg19613205	rs145553613	C	T	0.863	0.106	0.031	4.91E-16	0.001	0.009	0.946	0.017	65.795	TRUE	8.79E-16
FEV1	BRSK2	cg19613205	rs34666042	T	C	0.300	0.032	0.164	1.82E-21	-0.005	0.003	0.123	0.024	90.481	TRUE	1.68E-20
FEV1	BRSK2	cg19613205	rs3793964	T	C	-0.345	0.024	0.368	1.64E-46	0.003	0.002	0.231	0.052	204.950	TRUE	1.46E-44
FEV1	BRSK2	cg19613205	rs66496921	C	G	-0.145	0.024	0.405	1.86E-09	0.004	0.002	0.089	0.010	36.093	TRUE	6.24E-09
FEV1	BRSK2	cg19613205	rs66658795	T	C	-0.307	0.023	0.445	3.10E-39	0.005	0.002	0.036	0.044	171.635	TRUE	3.33E-37
FEV1	BRSK2	cg19613205	rs7395006	C	T	0.305	0.024	0.387	1.87E-36	0.006	0.002	0.015	0.041	158.916	TRUE	2.22E-34
FEV1	BRSK2	cg19613205	rs7395567	T	C	0.870	0.025	0.266	3.24E-272	0.003	0.003	0.209	0.251	1242.003	TRUE	2.90E-242
FEV1	BRSK2	cg19613205	rs77338313	A	G	0.684	0.101	0.031	1.51E-11	-0.006	0.008	0.466	0.012	45.497	TRUE	3.38E-11
FEV1	BRSK2	cg19613205	rs78928236	T	C	0.293	0.053	0.049	4.27E-08	0.012	0.005	0.026	0.008	30.006	TRUE	1.69E-07
FEV1	BRSK2	cg19713911	rs11035302	C	A	0.147	0.026	0.313	9.26E-09	0.001	0.003	0.660	0.009	32.974	TRUE	1.47E-08
FEV1	BRSK2	cg19713911	rs112781328	T	A	0.315	0.041	0.088	1.17E-14	0.000	0.004	0.947	0.016	59.551	TRUE	1.96E-14
FEV1	BRSK2	cg19713911	rs117107041	A	G	-0.338	0.051	0.053	4.21E-11	0.012	0.005	0.016	0.012	43.491	TRUE	2.63E-10
FEV1	BRSK2	cg19713911	rs3168046	A	G	-0.202	0.024	0.447	2.32E-17	-0.004	0.002	0.094	0.019	71.814	TRUE	1.65E-16
FEV1	BRSK2	cg19713911	rs77338313	A	G	-0.609	0.102	0.031	2.10E-09	-0.006	0.008	0.466	0.010	35.856	TRUE	4.11E-09
FEV1	BRSK2	cg19713911	rs7932863	A	G	-0.441	0.026	0.270	4.39E-64	0.003	0.003	0.209	0.072	285.502	TRUE	4.60E-61
FEV1	BRSK2	cg20129113	rs10766750	T	C	0.643	0.030	0.178	3.46E-104	-0.004	0.003	0.227	0.113	469.592	TRUE	4.53E-98
FEV1	BRSK2	cg20129113	rs11029977	T	C	0.151	0.024	0.389	2.43E-10	0.005	0.002	0.023	0.011	40.063	TRUE	1.26E-09
FEV1	BRSK2	cg20129113	rs113969661	T	C	0.525	0.084	0.018	3.83E-10	-0.014	0.010	0.162	0.010	39.179	TRUE	1.16E-09
FEV1	BRSK2	cg20129113	rs114715203	C	T	-0.472	0.069	0.035	6.37E-12	-0.001	0.007	0.946	0.013	47.186	TRUE	9.41E-12
FEV1	BRSK2	cg20129113	rs115584864	C	G	-0.199	0.026	0.273	1.12E-14	0.002	0.003	0.406	0.016	59.633	TRUE	3.27E-14
FEV1	BRSK2	cg20129113	rs116813619	A	G	-0.740	0.126	0.010	4.18E-09	0.005	0.012	0.695	0.009	34.520	TRUE	6.59E-09

FEV1	BRSK2	cg20129113	rs1317780	G	C	-0.190	0.028	0.225	1.33E-11	0.005	0.003	0.074	0.012	45.752	TRUE	5.86E-11
FEV1	BRSK2	cg20129113	rs2029463	T	C	0.238	0.034	0.132	2.05E-12	0.000	0.004	0.957	0.013	49.413	TRUE	3.05E-12
FEV1	BRSK2	cg20129113	rs2943527	A	G	0.146	0.025	0.319	2.77E-09	-0.006	0.003	0.019	0.009	35.323	TRUE	1.38E-08
FEV1	BRSK2	cg20129113	rs7124503	T	G	-0.998	0.053	0.050	9.43E-80	0.016	0.006	0.003	0.088	357.395	TRUE	2.42E-74
FEV1	BRSK2	cg20129113	rs79956640	G	A	0.570	0.081	0.022	1.80E-12	-0.001	0.007	0.936	0.013	49.665	TRUE	2.74E-12
FEV1	BRSK2	cg20415517	rs28587036	A	T	-0.245	0.024	0.330	1.35E-23	-0.005	0.003	0.071	0.026	100.193	TRUE	1.92E-22
FEV1	BRSK2	cg21782309	rs10831708	A	C	-0.229	0.032	0.165	5.00E-13	0.003	0.003	0.374	0.014	52.176	TRUE	1.35E-12
FEV1	BRSK2	cg21782309	rs117148214	G	T	-1.835	0.072	0.027	9.13E-145	-0.010	0.006	0.116	0.151	656.032	TRUE	4.32E-134
FEV1	BRSK2	cg21782309	rs12575675	G	T	-0.239	0.029	0.209	2.81E-16	0.002	0.003	0.527	0.018	66.898	TRUE	7.97E-16
FEV1	BRSK2	cg21782309	rs17173843	T	C	-0.223	0.032	0.166	1.69E-12	-0.002	0.003	0.505	0.013	49.791	TRUE	3.77E-12
FEV1	BRSK2	cg21782309	rs5743899	C	T	-0.217	0.029	0.209	8.99E-14	0.004	0.003	0.215	0.015	55.546	TRUE	3.33E-13
FEV1	BRSK2	cg21782309	rs6421028	G	A	-0.173	0.025	0.337	4.23E-12	0.001	0.003	0.771	0.013	47.990	TRUE	7.22E-12
FEV1	BRSK2	cg21782309	rs72850947	A	G	-0.392	0.048	0.073	2.20E-16	0.005	0.004	0.233	0.018	67.382	TRUE	9.64E-16
FEV1	BRSK2	cg21782309	rs75723867	A	C	-0.154	0.026	0.283	3.73E-09	-0.007	0.003	0.005	0.009	34.742	TRUE	2.24E-08
FEV1	BRSK2	cg21782309	rs7932863	A	G	0.169	0.027	0.270	1.84E-10	0.003	0.003	0.209	0.011	40.606	TRUE	5.33E-10
FEV1	BRSK2	cg21782309	rs7935124	A	G	-0.298	0.033	0.152	2.92E-19	0.001	0.003	0.697	0.021	80.447	TRUE	8.21E-19
FEV1	BRSK2	cg21782309	rs80228114	T	G	-0.239	0.029	0.201	5.24E-16	-0.001	0.003	0.738	0.017	65.670	TRUE	1.16E-15
FEV1	BRSK2	cg21919719	rs10832574	T	C	0.263	0.024	0.390	2.48E-27	0.006	0.002	0.011	0.031	117.222	TRUE	1.11E-25
FEV1	BRSK2	cg21919719	rs10837858	A	G	0.354	0.053	0.051	2.33E-11	0.004	0.005	0.440	0.012	44.647	TRUE	5.31E-11
FEV1	BRSK2	cg21919719	rs111886352	G	C	-0.242	0.038	0.117	1.72E-10	0.001	0.004	0.846	0.011	40.745	TRUE	2.55E-10
FEV1	BRSK2	cg21919719	rs113773442	G	C	-0.216	0.037	0.113	6.90E-09	-0.001	0.004	0.735	0.009	33.544	TRUE	1.04E-08
FEV1	BRSK2	cg21919719	rs115584864	C	G	-0.228	0.026	0.273	2.79E-18	0.002	0.003	0.406	0.020	75.990	TRUE	1.05E-17
FEV1	BRSK2	cg21919719	rs11604075	T	C	0.296	0.026	0.285	1.37E-30	-0.007	0.003	0.004	0.034	132.101	TRUE	1.26E-28
FEV1	BRSK2	cg21919719	rs117107041	A	G	0.488	0.051	0.053	1.93E-21	0.012	0.005	0.016	0.024	90.368	TRUE	3.87E-20
FEV1	BRSK2	cg21919719	rs145553613	C	T	0.829	0.106	0.031	6.49E-15	0.001	0.009	0.946	0.016	60.714	TRUE	1.10E-14
FEV1	BRSK2	cg21919719	rs151218125	T	C	-0.373	0.055	0.049	1.02E-11	-0.001	0.006	0.917	0.012	46.260	TRUE	1.53E-11
FEV1	BRSK2	cg21919719	rs28386994	T	A	-0.158	0.029	0.206	4.13E-08	0.006	0.003	0.054	0.008	30.072	TRUE	1.37E-07
FEV1	BRSK2	cg21919719	rs34666042	T	C	0.311	0.031	0.164	5.72E-23	-0.005	0.003	0.123	0.026	97.330	TRUE	6.08E-22
FEV1	BRSK2	cg21919719	rs4255564	C	T	0.930	0.023	0.260	<1E-200	0.003	0.003	0.331	0.307	1635.352	TRUE	<1E-200
FEV1	BRSK2	cg21919719	rs55813014	C	T	-0.372	0.023	0.473	1.36E-57	0.006	0.002	0.017	0.065	255.742	TRUE	3.19E-54
FEV1	BRSK2	cg21919719	rs77338313	A	G	0.736	0.101	0.031	3.81E-13	-0.006	0.008	0.466	0.014	52.708	TRUE	9.46E-13
FEV1	BRSK2	cg23163513	rs12221827	C	T	0.155	0.025	0.322	5.91E-10	-0.003	0.003	0.231	0.010	38.331	TRUE	1.61E-09
FEV1	BRSK2	cg23163513	rs2334501	T	C	-0.199	0.027	0.256	1.46E-13	0.007	0.003	0.007	0.015	54.592	TRUE	1.44E-12
FEV1	BRSK2	cg23163513	rs28583004	G	A	-0.223	0.036	0.325	6.24E-10	0.005	0.003	0.055	0.010	38.226	TRUE	2.60E-09
FEV1	BRSK2	cg23163513	rs3829225	T	C	-0.324	0.025	0.306	5.85E-40	0.007	0.003	0.007	0.045	174.954	TRUE	1.67E-37
FEV1	BRSK2	cg23163513	rs555319376	T	G	-1.425	0.171	0.012	9.35E-17	0.003	0.012	0.840	0.018	69.064	TRUE	1.93E-16
FEV1	BRSK2	cg23372535	rs12788273	A	G	0.192	0.026	0.277	1.51E-13	-0.001	0.003	0.829	0.015	54.522	TRUE	2.68E-13
FEV1	BRSK2	cg23571839	rs10832442	C	T	-0.225	0.024	0.412	2.36E-21	0.004	0.002	0.141	0.024	89.972	TRUE	1.99E-20
FEV1	BRSK2	cg23571839	rs11025835	G	A	0.345	0.054	0.058	1.83E-10	0.005	0.005	0.359	0.011	40.617	TRUE	4.23E-10
FEV1	BRSK2	cg23571839	rs118072498	A	G	-0.345	0.054	0.094	1.72E-10	-0.004	0.004	0.366	0.011	40.745	TRUE	3.96E-10
FEV1	BRSK2	cg23571839	rs141653894	T	C	-0.334	0.051	0.061	5.75E-11	0.012	0.005	0.022	0.011	42.880	TRUE	3.27E-10
FEV1	BRSK2	cg23571839	rs145490652	G	A	0.235	0.042	0.090	2.92E-08	0.002	0.004	0.560	0.008	30.741	TRUE	4.91E-08

FEV1	BRSK2	cg23571839	rs34397346	A	G	0.175	0.027	0.252	1.51E-10	0.009	0.003	9.77E-04	0.011	40.988	TRUE	1.49E-09
FEV1	BRSK2	cg23571839	rs61867657	T	C	-0.515	0.023	0.473	4.20E-110	-0.001	0.002	0.586	0.118	496.766	TRUE	4.88E-104
FEV1	BRSK2	cg23571839	rs7947308	T	C	0.226	0.030	0.185	3.63E-14	0.004	0.003	0.153	0.015	57.326	TRUE	1.59E-13
FEV1	BRSK2	cg23571839	rs908224	G	T	0.189	0.024	0.350	6.89E-15	-0.005	0.003	0.048	0.016	60.597	TRUE	4.73E-14
FEV1	BRSK2	cg24206507	rs9795439	A	G	-0.289	0.030	0.190	1.25E-22	0.004	0.003	0.209	0.025	95.789	TRUE	9.96E-22
FEV1	BRSK2	cg25271479	rs10837407	T	C	-0.195	0.026	0.313	3.18E-14	0.003	0.003	0.291	0.015	57.590	TRUE	1.05E-13
FEV1	BRSK2	cg25271479	rs11603080	A	C	0.363	0.054	0.048	1.89E-11	0.012	0.005	0.032	0.012	45.055	TRUE	1.05E-10
FEV1	BRSK2	cg25271479	rs11606628	T	C	0.289	0.026	0.278	8.75E-29	-0.008	0.003	0.002	0.032	123.857	TRUE	7.78E-27
FEV1	BRSK2	cg25271479	rs117107041	A	G	0.628	0.051	0.053	9.78E-35	0.012	0.005	0.016	0.039	151.056	TRUE	9.41E-33
FEV1	BRSK2	cg25271479	rs117654829	T	A	0.703	0.098	0.038	8.03E-13	-0.001	0.007	0.928	0.014	51.247	TRUE	1.25E-12
FEV1	BRSK2	cg25271479	rs12575817	T	C	-0.276	0.050	0.060	3.88E-08	0.003	0.005	0.514	0.008	30.192	TRUE	6.71E-08
FEV1	BRSK2	cg25271479	rs12808343	G	A	-0.157	0.028	0.235	2.58E-08	0.001	0.003	0.661	0.008	30.986	TRUE	3.99E-08
FEV1	BRSK2	cg25271479	rs34666042	T	C	0.365	0.031	0.164	2.84E-31	-0.005	0.003	0.123	0.035	135.228	TRUE	6.90E-30
FEV1	BRSK2	cg25271479	rs3793964	T	C	-0.421	0.024	0.368	1.72E-69	0.003	0.002	0.231	0.077	310.307	TRUE	3.73E-66
FEV1	BRSK2	cg25271479	rs4255564	C	T	1.146	0.019	0.260	<1E-200	0.003	0.003	0.331	0.501	3716.057	TRUE	<1E-200
FEV1	BRSK2	cg25271479	rs60707923	A	G	-0.159	0.027	0.260	2.69E-09	0.000	0.003	0.905	0.009	35.380	TRUE	3.64E-09
FEV1	BRSK2	cg25271479	rs66496921	C	G	-0.207	0.024	0.405	9.78E-18	0.004	0.002	0.089	0.019	73.517	TRUE	7.05E-17
FEV1	BRSK2	cg25271479	rs66658795	T	C	-0.338	0.023	0.445	1.75E-47	0.005	0.002	0.036	0.054	209.410	TRUE	5.43E-45
FEV1	BRSK2	cg25271479	rs7395006	C	T	0.332	0.024	0.387	5.22E-43	0.006	0.002	0.015	0.049	188.912	TRUE	1.46E-40
FEV1	BRSK2	cg25271479	rs7479551	T	A	0.139	0.025	0.342	3.15E-08	-0.004	0.003	0.100	0.008	30.596	TRUE	9.26E-08
FEV1	BRSK2	cg25271479	rs76324386	T	C	-0.269	0.046	0.072	4.31E-09	0.012	0.005	0.009	0.009	34.461	TRUE	2.34E-08
FEV1	BRSK2	cg25271479	rs77338313	A	G	0.884	0.101	0.031	2.09E-18	-0.006	0.008	0.466	0.020	76.558	TRUE	7.42E-18
FEV1	BRSK2	cg25271479	rs868903	T	C	-0.177	0.032	0.473	3.11E-08	0.000	0.003	0.970	0.008	30.621	TRUE	3.88E-08
FEV1	BRSK2	cg25630794	rs11604075	T	C	0.147	0.025	0.285	8.22E-09	-0.007	0.003	0.004	0.009	33.204	TRUE	4.92E-08
FEV1	BRSK2	cg25630794	rs28766032	G	A	-0.163	0.028	0.222	4.71E-09	0.005	0.003	0.087	0.009	34.285	TRUE	1.56E-08
FEV1	BRSK2	cg25630794	rs7395567	T	C	0.326	0.026	0.266	8.56E-36	0.003	0.003	0.209	0.040	155.894	TRUE	2.44E-34
FEV1	BRSK2	cg25836589	rs10766599	G	A	0.308	0.027	0.270	3.17E-30	0.005	0.003	0.047	0.034	130.439	TRUE	1.08E-28
FEV1	BRSK2	cg25836589	rs115584864	C	G	-0.149	0.026	0.273	1.30E-08	0.002	0.003	0.406	0.009	32.311	TRUE	2.53E-08
FEV1	BRSK2	cg26367591	rs7395567	T	C	-0.252	0.026	0.266	1.86E-21	0.003	0.003	0.209	0.024	90.443	TRUE	1.33E-20
FEV1	BRSK2	cg26677995	rs10832805	C	G	-0.207	0.029	0.217	8.20E-13	0.005	0.003	0.081	0.014	51.207	TRUE	3.90E-12
FEV1	BRSK2	cg26677995	rs11028763	C	T	-0.182	0.024	0.359	1.13E-13	0.007	0.002	0.003	0.015	55.094	TRUE	1.50E-12
FEV1	BRSK2	cg26677995	rs117107041	A	G	0.292	0.051	0.053	1.39E-08	0.012	0.005	0.016	0.009	32.188	TRUE	6.41E-08
FEV1	BRSK2	cg26677995	rs12787736	T	C	-0.342	0.032	0.156	8.77E-27	-0.004	0.003	0.176	0.030	114.724	TRUE	1.13E-25
FEV1	BRSK2	cg26677995	rs34666042	T	C	0.276	0.032	0.164	1.99E-18	-0.005	0.003	0.123	0.020	76.657	TRUE	1.39E-17
FEV1	BRSK2	cg26677995	rs3793964	T	C	-0.268	0.024	0.368	1.46E-28	0.003	0.002	0.231	0.032	122.838	TRUE	1.89E-27
FEV1	BRSK2	cg26677995	rs66658795	T	C	-0.246	0.024	0.445	1.31E-25	0.005	0.002	0.036	0.029	109.369	TRUE	2.91E-24
FEV1	BRSK2	cg26677995	rs7395567	T	C	0.826	0.025	0.266	1.48E-241	0.003	0.003	0.209	0.229	1101.004	TRUE	3.95E-217
FEV1	BRSK2	cg26677995	rs77338313	A	G	0.769	0.101	0.031	3.09E-14	-0.006	0.008	0.466	0.015	57.643	TRUE	8.24E-14
FEV1	C15orf37	cg01351869	rs2865825	A	G	0.189	0.029	0.206	4.23E-11	-0.006	0.003	0.038	0.012	43.481	TRUE	2.18E-10
FEV1	C15orf37	cg01843524	rs12185084	A	G	-0.195	0.028	0.205	4.36E-12	-0.003	0.003	0.255	0.013	47.929	TRUE	1.32E-11
FEV1	C15orf37	cg01843524	rs12907077	T	C	0.215	0.032	0.145	1.43E-11	-0.003	0.003	0.292	0.012	45.607	TRUE	3.95E-11
FEV1	C15orf37	cg01843524	rs12908347	C	G	-0.188	0.027	0.229	7.13E-12	-0.007	0.003	0.016	0.013	46.965	TRUE	4.68E-11

FEV1	C15orf37	cg01843524	rs150450469	C	T	0.145	0.023	0.457	3.80E-10	-0.003	0.002	0.287	0.010	39.193	TRUE	9.34E-10
FEV1	C15orf37	cg01843524	rs2562756	G	A	-0.236	0.024	0.333	4.16E-22	-0.001	0.003	0.662	0.025	93.402	TRUE	1.47E-21
FEV1	C15orf37	cg01843524	rs28634350	C	G	-0.235	0.042	0.080	1.91E-08	0.004	0.004	0.408	0.008	31.569	TRUE	3.67E-08
FEV1	C15orf37	cg01843524	rs35252136	C	G	-0.177	0.024	0.345	2.10E-13	-0.003	0.002	0.311	0.014	53.883	TRUE	6.55E-13
FEV1	C15orf37	cg01843524	rs35818819	G	C	0.357	0.042	0.081	1.01E-17	0.002	0.004	0.610	0.019	73.454	TRUE	2.84E-17
FEV1	C15orf37	cg01843524	rs71409255	C	A	0.552	0.073	0.026	3.84E-14	0.011	0.008	0.164	0.015	57.216	TRUE	1.64E-13
FEV1	C15orf37	cg01843524	rs7171636	T	C	0.734	0.028	0.194	8.71E-154	0.001	0.003	0.759	0.159	697.488	TRUE	2.32E-143
FEV1	C15orf37	cg01843524	rs73487353	C	T	0.246	0.026	0.287	9.65E-22	0.001	0.003	0.842	0.024	91.737	TRUE	2.66E-21
FEV1	C15orf37	cg01843524	rs77013706	T	C	0.394	0.048	0.057	2.42E-16	0.006	0.005	0.228	0.018	67.187	TRUE	1.08E-15
FEV1	C15orf37	cg11970192	rs11636338	C	A	-0.177	0.024	0.354	4.60E-13	-0.001	0.002	0.782	0.014	52.339	TRUE	8.33E-13
FEV1	C15orf37	cg11970192	rs11856039	T	C	0.214	0.027	0.235	5.25E-15	-0.005	0.003	0.060	0.016	61.132	TRUE	3.46E-14
FEV1	C15orf37	cg11970192	rs12437938	T	C	0.542	0.079	0.023	6.57E-12	-0.014	0.008	0.098	0.013	47.126	TRUE	2.76E-11
FEV1	C15orf37	cg11970192	rs34847355	G	T	0.578	0.028	0.207	3.66E-93	-0.007	0.003	0.020	0.102	418.966	TRUE	4.04E-87
FEV1	C15orf37	cg11970192	rs4778756	C	T	-0.130	0.024	0.481	4.28E-08	0.000	0.002	0.989	0.008	30.003	TRUE	5.20E-08
FEV1	C15orf37	cg11970192	rs56372426	G	C	0.201	0.030	0.181	1.93E-11	-0.001	0.003	0.657	0.012	45.017	TRUE	3.52E-11
FEV1	C15orf37	cg11970192	rs6495449	A	G	-0.553	0.041	0.086	4.67E-42	0.000	0.004	0.960	0.048	184.555	TRUE	5.55E-41
FEV1	C15orf37	cg26829925	rs28671106	T	C	-0.190	0.029	0.198	7.13E-11	0.001	0.003	0.830	0.011	42.460	TRUE	1.09E-10
FEV1	C15orf37	cg27236825	rs36043829	G	A	-0.282	0.028	0.214	7.96E-24	-0.007	0.003	0.016	0.027	101.232	TRUE	1.95E-22
FEV1	C1orf200	cg07793148	rs4477280	A	G	-0.308	0.024	0.388	3.15E-38	0.001	0.002	0.812	0.043	167.029	TRUE	3.36E-37
FEV1	C1orf200	cg14989202	rs7518793	C	T	-0.172	0.029	0.215	1.70E-09	-0.002	0.003	0.508	0.010	36.269	TRUE	3.23E-09
FEV1	C1orf200	cg16597045	rs7518602	C	T	-0.163	0.024	0.392	7.66E-12	0.001	0.002	0.773	0.013	46.826	TRUE	1.30E-11
FEV1	CAPN1	cg04962005	rs10895993	T	C	-0.465	0.043	0.074	8.14E-27	-0.006	0.004	0.136	0.030	114.872	TRUE	1.20E-25
FEV1	CAPN1	cg05033401	rs11605576	A	C	0.163	0.025	0.360	3.65E-11	-0.004	0.003	0.136	0.012	43.769	TRUE	1.28E-10
FEV1	CAPN1	cg07710883	rs11227132	G	A	0.468	0.084	0.017	2.18E-08	0.004	0.008	0.602	0.008	31.310	TRUE	3.55E-08
FEV1	CAPN1	cg07710883	rs1195963	T	C	0.265	0.031	0.172	6.68E-18	-0.002	0.003	0.500	0.020	74.269	TRUE	2.18E-17
FEV1	CAPN1	cg07710883	rs1196617	C	T	0.181	0.023	0.467	1.27E-14	-0.001	0.002	0.622	0.016	59.393	TRUE	2.91E-14
FEV1	CAPN1	cg07710883	rs148097428	A	G	0.352	0.055	0.047	2.11E-10	0.000	0.006	0.988	0.011	40.336	TRUE	2.83E-10
FEV1	CAPN1	cg07710883	rs564476	T	C	-0.525	0.044	0.077	2.09E-32	-0.002	0.005	0.666	0.037	140.405	TRUE	1.62E-31
FEV1	CAPN1	cg09620688	rs11605576	A	C	0.273	0.024	0.360	1.30E-29	-0.004	0.003	0.136	0.033	127.645	TRUE	2.47E-28
FEV1	CAPN1	cg09620688	rs599670	T	G	-0.248	0.036	0.105	4.39E-12	0.001	0.004	0.827	0.013	47.918	TRUE	7.24E-12
FEV1	CAPN1	cg13762244	rs608404	A	G	0.489	0.081	0.018	1.33E-09	-0.016	0.008	0.049	0.010	36.743	TRUE	5.38E-09
FEV1	CAPN1	cg13762244	rs6591179	G	T	0.394	0.034	0.128	2.58E-30	-0.003	0.004	0.428	0.034	130.851	TRUE	2.53E-29
FEV1	CAPN1	cg16697977	rs17881454	G	C	-0.404	0.066	0.057	7.83E-10	0.008	0.005	0.136	0.010	37.781	TRUE	2.45E-09
FEV1	CAPN1	cg16697977	rs2271448	T	C	0.238	0.025	0.319	3.28E-21	-0.004	0.003	0.095	0.024	89.317	TRUE	3.25E-20
FEV1	CAPN1	cg25363789	rs111513404	G	A	0.611	0.064	0.037	2.21E-21	0.006	0.006	0.367	0.024	90.100	TRUE	1.13E-20
FEV1	CAPN1	cg25363789	rs11227132	G	A	-0.651	0.083	0.017	6.33E-15	0.004	0.008	0.602	0.016	60.764	TRUE	1.50E-14
FEV1	CAPN1	cg25363789	rs11551353	A	T	0.470	0.048	0.061	1.49E-22	0.003	0.005	0.581	0.025	95.432	TRUE	6.10E-22
FEV1	CAPN1	cg25363789	rs11601539	C	A	0.521	0.050	0.055	7.21E-26	-0.006	0.005	0.240	0.029	110.548	TRUE	7.09E-25
FEV1	CAPN1	cg25363789	rs11605377	T	C	0.466	0.085	0.038	4.05E-08	-0.011	0.006	0.055	0.008	30.111	TRUE	1.36E-07
FEV1	CAPN1	cg25363789	rs117446487	T	C	0.745	0.085	0.020	1.85E-18	-0.012	0.008	0.143	0.020	76.797	TRUE	1.22E-17
FEV1	CAPN1	cg25363789	rs1195964	A	G	-0.353	0.030	0.172	4.78E-31	-0.002	0.003	0.500	0.035	134.191	TRUE	4.38E-30
FEV1	CAPN1	cg25363789	rs12573	G	A	0.179	0.030	0.178	2.57E-09	-0.005	0.003	0.087	0.009	35.468	TRUE	8.70E-09

FEV1	CAPN1	cg25363789	rs17883561	A	G	-0.239	0.037	0.111	1.44E-10	0.005	0.004	0.139	0.011	41.084	TRUE	4.73E-10
FEV1	CAPN1	cg25363789	rs487989	A	G	-0.210	0.033	0.153	3.55E-10	-0.007	0.003	0.047	0.011	39.325	TRUE	1.52E-09
FEV1	CAPN1	cg25363789	rs566189	C	T	-0.241	0.037	0.102	1.12E-10	-0.001	0.004	0.886	0.011	41.572	TRUE	1.64E-10
FEV1	CAPN1	cg25363789	rs613316	G	A	-0.269	0.027	0.256	9.01E-24	-0.003	0.003	0.295	0.027	100.987	TRUE	6.36E-23
FEV1	CAPN1	cg25363789	rs633727	G	A	-0.143	0.023	0.487	8.05E-10	0.002	0.002	0.318	0.010	37.728	TRUE	1.89E-09
FEV1	CAPN1	cg25363789	rs6591179	G	T	-0.356	0.035	0.128	2.52E-24	-0.003	0.004	0.428	0.027	103.508	TRUE	1.48E-23
FEV1	CAPN1	cg25363789	rs663767	A	C	0.231	0.025	0.319	2.26E-20	-0.007	0.003	0.010	0.023	85.499	TRUE	4.71E-19
FEV1	CAPN1	cg25363789	rs739389	T	C	-0.253	0.028	0.222	1.63E-19	0.002	0.003	0.512	0.022	81.595	TRUE	5.79E-19
FEV1	CAPN1	cg25363789	rs7933509	G	A	0.889	0.022	0.304	<1E-200	-0.007	0.003	0.013	0.307	1639.161	TRUE	<1E-200
FEV1	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	0.010	0.003	5.98E-05	0.014	51.004	TRUE	1.86E-11
FEV1	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	-0.003	0.003	0.323	0.015	57.165	TRUE	1.26E-13
FEV1	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	0.000	0.003	0.909	0.016	58.619	TRUE	3.21E-14
FEV1	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	0.006	0.004	0.080	0.021	79.794	TRUE	3.58E-18
FEV1	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	0.012	0.002	4.21E-07	0.016	60.177	TRUE	4.99E-13
FEV1	CAPZB	cg03542686	rs71645451	C	G	0.178	0.033	0.147	4.36E-08	-0.003	0.003	0.442	0.008	29.965	TRUE	8.05E-08
FEV1	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	0.003	0.002	0.289	0.012	44.854	TRUE	5.65E-11
FEV1	CAPZB	cg06788764	rs10158117	C	G	0.160	0.026	0.262	5.75E-10	-0.002	0.003	0.573	0.010	38.384	TRUE	1.06E-09
FEV1	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	-0.008	0.002	8.38E-04	0.014	51.114	TRUE	1.20E-11
FEV1	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	-0.003	0.003	0.222	0.009	34.432	TRUE	1.08E-08
FEV1	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	0.000	0.003	0.921	0.053	206.399	TRUE	1.63E-45
FEV1	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	0.009	0.002	8.86E-05	0.046	177.180	TRUE	2.68E-37
FEV1	CAPZB	cg07573717	rs67705352	T	G	0.138	0.024	0.375	9.39E-09	-0.010	0.002	2.08E-05	0.009	32.945	TRUE	1.20E-07
FEV1	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	0.006	0.002	0.008	0.013	48.807	TRUE	2.22E-11
FEV1	CAPZB	cg07573717	rs75797435	T	A	-1.535	0.054	0.051	4.48E-178	0.008	0.005	0.134	0.179	809.134	TRUE	3.18E-163
FEV1	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	0.004	0.003	0.180	0.024	89.554	TRUE	2.17E-20
FEV1	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	-0.004	0.004	0.356	0.016	58.979	TRUE	4.88E-14
FEV1	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	0.005	0.002	0.026	0.014	52.185	TRUE	3.46E-12
FEV1	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	0.004	0.004	0.418	0.010	38.411	TRUE	1.19E-09
FEV1	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	0.009	0.008	0.307	0.017	65.252	TRUE	2.41E-15
FEV1	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	-0.001	0.003	0.636	0.012	46.328	TRUE	1.89E-11
FEV1	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	0.003	0.004	0.513	0.023	87.676	TRUE	2.95E-20
FEV1	CAPZB	cg07905985	rs61759272	G	C	-0.184	0.029	0.196	3.30E-10	0.001	0.003	0.871	0.011	39.469	TRUE	4.81E-10
FEV1	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	-0.002	0.003	0.533	0.011	40.134	TRUE	4.60E-10
FEV1	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	0.001	0.006	0.859	0.157	690.976	TRUE	3.09E-142
FEV1	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	0.004	0.003	0.274	0.011	42.113	TRUE	2.31E-10
FEV1	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	-0.013	0.003	3.42E-07	0.038	146.098	TRUE	2.04E-30
FEV1	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	-0.003	0.002	0.193	0.017	65.137	TRUE	3.13E-15
FEV1	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	0.004	0.003	0.180	0.029	112.158	TRUE	3.76E-25
FEV1	CAPZB	cg09976716	rs11591018	T	A	-0.346	0.051	0.102	7.32E-12	-0.005	0.004	0.174	0.013	46.915	TRUE	2.51E-11
FEV1	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	0.001	0.003	0.714	0.017	63.025	TRUE	4.41E-15
FEV1	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	0.009	0.008	0.307	0.021	77.636	TRUE	5.57E-18
FEV1	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	0.002	0.005	0.677	0.176	788.461	TRUE	1.56E-160

FEV1	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	0.003	0.003	0.241	0.025	96.177	TRUE	7.54E-22
FEV1	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.004	0.003	0.186	0.023	87.333	TRUE	6.29E-20
FEV1	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	0.008	0.003	0.001	0.015	54.760	TRUE	2.08E-12
FEV1	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	-0.013	0.003	1.48E-07	0.029	110.736	TRUE	3.53E-23
FEV1	CAPZB	cg09976716	rs4076839	C	G	-0.188	0.029	0.214	4.60E-11	-0.008	0.003	0.005	0.012	43.315	TRUE	3.68E-10
FEV1	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	-0.002	0.003	0.533	0.015	56.519	TRUE	1.34E-13
FEV1	CAPZB	cg09976716	rs709683	G	C	-0.200	0.024	0.402	3.86E-17	0.006	0.002	0.017	0.019	70.807	TRUE	4.62E-16
FEV1	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	0.000	0.008	0.956	0.019	72.434	TRUE	3.22E-17
FEV1	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	0.001	0.003	0.652	0.029	109.424	TRUE	5.94E-25
FEV1	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	-0.003	0.002	0.193	0.016	60.748	TRUE	2.69E-14
FEV1	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	0.000	0.003	0.885	0.036	138.191	TRUE	3.47E-31
FEV1	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	0.000	0.003	0.947	0.027	103.494	TRUE	7.32E-24
FEV1	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	0.000	0.008	0.997	0.057	225.435	TRUE	1.56E-49
FEV1	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	-0.010	0.003	1.09E-04	0.012	45.046	TRUE	3.15E-10
FEV1	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	-0.003	0.002	0.193	0.010	39.037	TRUE	1.18E-09
FEV1	CAPZB	cg11335264	rs75797435	T	A	-0.951	0.056	0.051	2.93E-64	0.008	0.005	0.134	0.072	286.312	TRUE	4.46E-61
FEV1	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	0.011	0.002	4.09E-06	0.024	90.352	TRUE	2.81E-19
FEV1	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	-0.002	0.003	0.486	0.010	36.405	TRUE	3.06E-09
FEV1	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	-0.001	0.003	0.765	0.008	31.000	TRUE	3.71E-08
FEV1	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	0.001	0.003	0.578	0.012	43.676	TRUE	7.36E-11
FEV1	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	0.003	0.002	0.277	0.113	470.631	TRUE	2.08E-98
FEV1	CAPZB	cg12763668	rs3762389	T	A	0.204	0.025	0.351	2.15E-16	0.003	0.003	0.198	0.018	67.425	TRUE	1.01E-15
FEV1	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	0.003	0.003	0.377	0.015	56.257	TRUE	1.81E-13
FEV1	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	0.003	0.004	0.513	0.010	37.399	TRUE	1.81E-09
FEV1	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	0.001	0.006	0.852	0.031	116.757	TRUE	1.25E-26
FEV1	CAPZB	cg12763668	rs72653937	T	A	-0.356	0.045	0.080	1.35E-15	-0.014	0.004	6.12E-04	0.017	63.809	TRUE	2.91E-14
FEV1	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	-0.004	0.003	0.255	0.010	38.063	TRUE	1.74E-09
FEV1	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	0.012	0.002	3.12E-07	0.013	48.842	TRUE	1.15E-10
FEV1	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	-0.017	0.003	3.00E-09	0.010	39.006	TRUE	1.72E-08
FEV1	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	0.001	0.006	0.864	0.011	39.860	TRUE	3.93E-10
FEV1	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	-0.017	0.003	3.22E-09	0.022	82.598	TRUE	2.96E-17
FEV1	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	0.003	0.003	0.241	0.011	41.664	TRUE	2.99E-10
FEV1	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	-0.001	0.003	0.727	0.069	275.362	TRUE	1.28E-59
FEV1	CAPZB	cg15136975	rs61766717	A	T	0.357	0.054	0.047	5.33E-11	0.001	0.006	0.833	0.011	43.029	TRUE	8.29E-11
FEV1	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	-0.001	0.009	0.877	0.009	34.016	TRUE	7.41E-09
FEV1	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	-0.004	0.003	0.255	0.010	35.537	TRUE	6.10E-09
FEV1	CAPZB	cg16694480	rs115472911	G	C	0.442	0.055	0.047	5.22E-16	0.001	0.006	0.835	0.017	65.677	TRUE	1.03E-15
FEV1	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	0.002	0.003	0.497	0.010	37.070	TRUE	2.15E-09
FEV1	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	-0.016	0.003	1.35E-08	0.028	108.057	TRUE	1.68E-22
FEV1	CAPZB	cg19713429	rs115472911	G	C	0.404	0.055	0.047	1.36E-13	0.001	0.006	0.835	0.015	54.737	TRUE	2.37E-13
FEV1	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	0.012	0.002	3.12E-07	0.016	60.828	TRUE	4.27E-13
FEV1	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	0.007	0.006	0.297	0.008	31.371	TRUE	4.59E-08

FEV1	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	0.002	0.002	0.526	0.036	139.868	TRUE	2.64E-31
FEV1	CAPZB	cg23111655	rs10799817	C	G	-0.251	0.024	0.380	2.29E-25	0.011	0.002	4.11E-06	0.028	108.259	TRUE	6.26E-23
FEV1	CAPZB	cg23111655	rs113042236	A	T	-0.271	0.047	0.063	9.36E-09	0.004	0.005	0.338	0.009	32.952	TRUE	1.99E-08
FEV1	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.005	0.007	0.489	0.017	64.571	TRUE	2.61E-15
FEV1	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	0.004	0.005	0.418	0.013	48.114	TRUE	9.64E-12
FEV1	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	0.001	0.006	0.872	0.058	228.169	TRUE	5.31E-50
FEV1	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	-0.002	0.003	0.615	0.009	33.355	TRUE	1.27E-08
FEV1	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	0.009	0.008	0.307	0.014	51.486	TRUE	2.11E-12
FEV1	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	0.008	0.003	0.008	0.015	57.323	TRUE	3.72E-13
FEV1	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	0.004	0.002	0.147	0.015	56.329	TRUE	2.64E-13
FEV1	CAPZB	cg23111655	rs4147449	G	C	-0.446	0.077	0.027	8.72E-09	0.009	0.007	0.223	0.009	33.090	TRUE	2.13E-08
FEV1	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	0.000	0.003	0.996	0.279	1428.478	TRUE	1.21E-276
FEV1	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	-0.002	0.003	0.533	0.012	46.466	TRUE	1.97E-11
FEV1	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	-0.004	0.002	0.108	0.015	55.710	TRUE	3.91E-13
FEV1	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	0.006	0.004	0.105	0.027	103.222	TRUE	3.72E-23
FEV1	CAPZB	cg23111655	rs71645448	A	T	0.740	0.085	0.018	4.28E-18	0.010	0.008	0.205	0.020	75.146	TRUE	2.30E-17
FEV1	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	-0.012	0.003	3.40E-06	0.028	108.269	TRUE	6.55E-23
FEV1	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	-0.017	0.007	0.011	0.016	60.028	TRUE	9.51E-14
FEV1	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	-0.004	0.006	0.524	0.011	40.234	TRUE	4.36E-10
FEV1	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	-0.015	0.004	3.23E-05	0.008	30.840	TRUE	3.04E-07
FEV1	CAPZB	cg23519022	rs41264091	T	A	-0.244	0.028	0.229	8.94E-19	-0.016	0.003	2.17E-08	0.021	78.239	TRUE	1.68E-16
FEV1	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	0.001	0.003	0.578	0.009	35.321	TRUE	4.79E-09
FEV1	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	0.003	0.002	0.215	0.011	41.717	TRUE	3.06E-10
FEV1	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	-0.002	0.003	0.586	0.013	50.196	TRUE	2.89E-12
FEV1	CAPZB	cg24593138	rs113042236	A	T	-0.407	0.047	0.063	6.10E-18	0.004	0.005	0.338	0.020	74.447	TRUE	2.51E-17
FEV1	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	0.004	0.002	0.093	0.021	80.717	TRUE	2.13E-18
FEV1	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	0.002	0.002	0.365	0.486	3497.727	TRUE	<1E-200
FEV1	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	0.004	0.005	0.455	0.065	255.447	TRUE	2.96E-55
FEV1	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	-0.002	0.008	0.796	0.010	37.290	TRUE	1.51E-09
FEV1	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	-0.001	0.009	0.877	0.011	41.110	TRUE	2.08E-10
FEV1	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	-0.002	0.003	0.519	0.012	45.732	TRUE	2.83E-11
FEV1	CAPZB	cg24593138	rs71645448	A	T	0.607	0.086	0.018	1.22E-12	0.010	0.008	0.205	0.013	50.426	TRUE	4.20E-12
FEV1	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	0.002	0.006	0.749	0.031	116.494	TRUE	1.65E-26
FEV1	CAPZB	cg24593138	rs72653926	A	G	-0.311	0.024	0.428	9.53E-40	0.010	0.003	4.20E-05	0.045	173.981	TRUE	1.26E-36
FEV1	CAPZB	cg24593138	rs72653937	T	A	-0.509	0.044	0.080	1.85E-30	-0.014	0.004	6.12E-04	0.034	131.507	TRUE	3.01E-28
FEV1	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	-0.004	0.003	0.255	0.047	180.875	TRUE	1.32E-39
FEV1	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	0.008	0.006	0.138	0.009	34.569	TRUE	1.18E-08
FEV1	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	0.003	0.003	0.234	0.023	85.418	TRUE	1.40E-19
FEV1	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	-0.015	0.008	0.050	0.012	44.067	TRUE	1.48E-10
FEV1	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	-0.017	0.007	0.011	0.013	47.360	TRUE	4.34E-11
FEV1	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	-0.004	0.006	0.524	0.009	33.401	TRUE	1.33E-08
FEV1	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	0.005	0.005	0.376	0.049	190.977	TRUE	7.68E-42

FEV1	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	-0.001	0.003	0.624	0.018	69.504	TRUE	1.94E-16
FEV1	CAPZB	cg24671886	rs76799277	C	G	0.646	0.109	0.020	2.86E-09	0.003	0.008	0.703	0.009	35.259	TRUE	4.52E-09
FEV1	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	0.012	0.002	3.29E-07	0.090	365.961	TRUE	2.31E-74
FEV1	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	0.001	0.003	0.578	0.018	69.668	TRUE	1.87E-16
FEV1	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	0.006	0.004	0.187	0.012	45.307	TRUE	5.42E-11
FEV1	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.005	0.007	0.489	0.030	116.327	TRUE	2.60E-26
FEV1	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	0.004	0.005	0.418	0.021	78.333	TRUE	3.29E-18
FEV1	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	0.001	0.006	0.926	0.083	336.849	TRUE	2.27E-72
FEV1	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	-0.005	0.004	0.209	0.011	41.990	TRUE	2.63E-10
FEV1	CAPZB	cg26824678	rs127037	G	C	0.415	0.027	0.259	2.78E-54	0.010	0.003	2.00E-04	0.061	240.564	TRUE	2.36E-50
FEV1	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	-0.002	0.003	0.615	0.016	58.238	TRUE	5.23E-14
FEV1	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	0.009	0.008	0.307	0.027	101.634	TRUE	4.59E-23
FEV1	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	0.003	0.003	0.241	0.039	151.340	TRUE	1.96E-33
FEV1	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	0.008	0.003	0.008	0.030	115.217	TRUE	3.13E-25
FEV1	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	-0.008	0.003	8.28E-04	0.028	107.564	TRUE	2.39E-23
FEV1	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	0.004	0.002	0.147	0.023	87.968	TRUE	5.25E-20
FEV1	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	0.001	0.003	0.667	0.443	2945.622	TRUE	<1E-200
FEV1	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	0.006	0.003	0.069	0.013	47.945	TRUE	2.04E-11
FEV1	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	-0.002	0.004	0.541	0.013	48.424	TRUE	7.32E-12
FEV1	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	-0.002	0.003	0.533	0.017	65.553	TRUE	1.55E-15
FEV1	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	-0.001	0.009	0.877	0.023	85.868	TRUE	4.60E-20
FEV1	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	-0.004	0.002	0.088	0.022	83.390	TRUE	6.03E-19
FEV1	CAPZB	cg26824678	rs71645448	A	T	-1.011	0.085	0.018	1.32E-32	0.010	0.008	0.205	0.037	141.315	TRUE	2.70E-31
FEV1	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	0.000	0.008	0.956	0.009	34.763	TRUE	4.79E-09
FEV1	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	-0.004	0.003	0.255	0.035	134.702	TRUE	5.73E-30
FEV1	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	-0.017	0.007	0.011	0.029	109.754	TRUE	3.94E-24
FEV1	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	-0.004	0.006	0.524	0.025	95.335	TRUE	6.89E-22
FEV1	CARS	cg01104590	rs118092312	A	G	0.712	0.113	0.020	2.41E-10	0.007	0.009	0.461	0.011	40.082	TRUE	5.00E-10
FEV1	CARS	cg01104590	rs2100086	G	A	0.151	0.024	0.386	3.66E-10	0.000	0.003	0.940	0.011	39.266	TRUE	5.03E-10
FEV1	CARS	cg01104590	rs2237902	C	G	0.201	0.024	0.382	7.00E-17	0.001	0.002	0.558	0.018	69.636	TRUE	1.97E-16
FEV1	CARS	cg01104590	rs395188	A	G	-0.212	0.023	0.493	1.43E-19	0.002	0.002	0.317	0.022	81.853	TRUE	6.94E-19
FEV1	CARS	cg01104590	rs4758616	C	T	-0.140	0.024	0.396	6.27E-09	-0.003	0.002	0.235	0.009	33.731	TRUE	1.51E-08
FEV1	CARS	cg01104590	rs74048783	A	C	0.954	0.039	0.090	1.76E-134	0.011	0.004	0.006	0.141	608.767	TRUE	8.68E-124
FEV1	CARS	cg01104590	rs77482583	A	G	0.721	0.074	0.024	3.02E-22	0.000	0.007	0.972	0.025	94.035	TRUE	7.38E-22
FEV1	CARS	cg01104590	rs7934793	G	T	0.147	0.024	0.425	1.17E-09	0.001	0.002	0.690	0.010	37.005	TRUE	1.87E-09
FEV1	CARS	cg04111109	rs12418199	A	C	-0.142	0.024	0.410	2.74E-09	-0.001	0.002	0.609	0.009	35.342	TRUE	4.64E-09
FEV1	CARS	cg04111109	rs418832	T	C	0.329	0.024	0.400	2.26E-44	0.006	0.002	0.018	0.050	195.153	TRUE	6.82E-42
FEV1	CARS	cg04111109	rs7124487	T	C	-0.184	0.030	0.161	1.47E-09	0.007	0.003	0.014	0.010	36.548	TRUE	7.80E-09
FEV1	CARS	cg05729581	rs402806	G	A	-0.297	0.024	0.402	5.43E-36	0.006	0.002	0.018	0.041	156.799	TRUE	5.52E-34
FEV1	CARS	cg08508325	rs10741735	A	G	0.235	0.024	0.481	3.24E-23	-0.002	0.002	0.435	0.026	98.454	TRUE	1.72E-22
FEV1	CARS	cg08508325	rs10766444	T	C	-0.154	0.023	0.483	5.63E-11	-0.002	0.002	0.311	0.011	42.923	TRUE	1.47E-10
FEV1	CARS	cg08508325	rs11025317	A	G	-0.569	0.036	0.118	2.06E-55	0.002	0.004	0.676	0.062	245.737	TRUE	1.79E-53

FEV1	CARS	cg08508325	rs117267915	C	T	-0.481	0.079	0.039	1.31E-09	-0.006	0.006	0.305	0.010	36.778	TRUE	3.09E-09
FEV1	CARS	cg08508325	rs117345724	A	G	-0.410	0.069	0.029	2.95E-09	0.000	0.007	0.982	0.009	35.199	TRUE	3.80E-09
FEV1	CARS	cg08508325	rs12276060	T	A	-0.795	0.021	0.374	<1E-200	0.007	0.002	0.005	0.278	1423.630	TRUE	9.22E-272
FEV1	CARS	cg08508325	rs12418199	A	C	0.154	0.024	0.410	1.59E-10	-0.001	0.002	0.609	0.011	40.892	TRUE	2.88E-10
FEV1	CARS	cg08508325	rs140094471	T	C	-0.342	0.038	0.114	3.79E-19	0.008	0.004	0.036	0.021	79.935	TRUE	4.51E-18
FEV1	CARS	cg08508325	rs2285390	C	A	0.440	0.038	0.105	1.60E-30	-0.005	0.004	0.224	0.034	131.794	TRUE	2.50E-29
FEV1	CARS	cg08508325	rs35429169	A	G	0.330	0.058	0.088	1.42E-08	-0.014	0.004	0.002	0.009	32.145	TRUE	9.59E-08
FEV1	CARS	cg08508325	rs61871219	T	C	0.211	0.035	0.132	1.19E-09	-0.005	0.003	0.172	0.010	36.960	TRUE	3.39E-09
FEV1	CARS	cg08508325	rs756694	G	A	0.364	0.036	0.110	1.67E-23	0.012	0.004	7.10E-04	0.026	99.770	TRUE	1.07E-21
FEV1	CARS	cg08508325	rs7934793	G	T	-0.157	0.024	0.425	7.41E-11	0.001	0.002	0.690	0.011	42.383	TRUE	1.27E-10
FEV1	CARS	cg14935025	rs17687673	C	T	0.618	0.040	0.088	1.29E-53	0.011	0.004	0.006	0.060	237.502	TRUE	2.52E-50
FEV1	CARS	cg14935025	rs2237902	C	G	0.134	0.024	0.382	3.06E-08	0.001	0.002	0.558	0.008	30.651	TRUE	5.13E-08
FEV1	CARS	cg14935025	rs395188	A	G	-0.168	0.023	0.493	7.84E-13	0.002	0.002	0.317	0.014	51.293	TRUE	2.28E-12
FEV1	CARS	cg14935025	rs77482583	A	G	0.509	0.075	0.024	9.59E-12	0.000	0.007	0.972	0.012	46.385	TRUE	1.36E-11
FEV1	CARS	cg14935025	rs7937865	A	G	-0.323	0.039	0.098	2.01E-16	-0.008	0.004	0.036	0.018	67.557	TRUE	1.76E-15
FEV1	CARS	cg17004353	rs149566596	T	C	1.106	0.113	0.023	1.23E-22	0.003	0.008	0.695	0.025	95.809	TRUE	4.35E-22
FEV1	CARS	cg17004353	rs2100086	G	A	0.180	0.024	0.386	6.29E-14	0.000	0.003	0.940	0.015	56.247	TRUE	1.02E-13
FEV1	CARS	cg17004353	rs2237902	C	G	0.218	0.024	0.382	1.55E-19	0.001	0.002	0.558	0.022	81.701	TRUE	5.22E-19
FEV1	CARS	cg17004353	rs395188	A	G	-0.234	0.023	0.493	1.61E-23	0.002	0.002	0.317	0.026	99.835	TRUE	1.08E-22
FEV1	CARS	cg17004353	rs61871184	C	G	-0.203	0.034	0.145	1.45E-09	-0.009	0.003	0.010	0.010	36.579	TRUE	8.40E-09
FEV1	CARS	cg17004353	rs74048783	A	C	0.924	0.039	0.090	8.42E-126	0.011	0.004	0.006	0.133	568.883	TRUE	4.32E-116
FEV1	CARS	cg17004353	rs7934793	G	T	0.163	0.024	0.425	1.09E-11	0.001	0.002	0.690	0.012	46.142	TRUE	1.93E-11
FEV1	CARS	cg17004353	rs7937865	A	G	-0.274	0.040	0.098	3.74E-12	-0.008	0.004	0.036	0.013	48.230	TRUE	2.11E-11
FEV1	CARS	cg20324356	rs13390	G	A	0.177	0.030	0.188	4.06E-09	-0.005	0.003	0.123	0.009	34.575	TRUE	1.22E-08
FEV1	CARS	cg20324356	rs2071103	T	C	0.393	0.024	0.400	2.23E-61	-0.008	0.002	7.70E-04	0.069	273.092	TRUE	3.54E-57
FEV1	CARS	cg20324356	rs756694	G	A	-0.200	0.037	0.110	4.69E-08	0.012	0.004	7.10E-04	0.008	29.824	TRUE	3.38E-07
FEV1	CARS	cg21875845	rs420151	G	A	0.212	0.023	0.402	8.39E-20	0.006	0.002	0.017	0.022	82.911	TRUE	1.30E-18
FEV1	CARS	cg25072766	rs118092312	A	G	0.627	0.113	0.020	2.47E-08	0.007	0.009	0.461	0.008	31.067	TRUE	4.53E-08
FEV1	CARS	cg25072766	rs149566596	T	C	0.952	0.113	0.023	4.39E-17	0.003	0.008	0.695	0.019	70.555	TRUE	1.08E-16
FEV1	CARS	cg25072766	rs2100086	G	A	0.156	0.024	0.386	8.91E-11	0.000	0.003	0.940	0.011	42.025	TRUE	1.26E-10
FEV1	CARS	cg25072766	rs2237902	C	G	0.184	0.024	0.382	2.34E-14	0.001	0.002	0.558	0.015	58.191	TRUE	5.62E-14
FEV1	CARS	cg25072766	rs395188	A	G	-0.208	0.023	0.493	6.49E-19	0.002	0.002	0.317	0.021	78.871	TRUE	2.98E-18
FEV1	CARS	cg25072766	rs4317969	T	G	-0.341	0.040	0.097	6.03E-18	-0.008	0.004	0.034	0.020	74.471	TRUE	6.31E-17
FEV1	CARS	cg25072766	rs74048783	A	C	0.857	0.039	0.090	2.32E-107	0.011	0.004	0.006	0.116	484.170	TRUE	1.38E-99
FEV1	CARS	cg25072766	rs7934793	G	T	0.133	0.024	0.425	3.38E-08	0.001	0.002	0.690	0.008	30.459	TRUE	5.05E-08
FEV1	CARS	cg25174290	rs420151	G	A	0.218	0.023	0.402	1.65E-20	0.006	0.002	0.017	0.023	86.120	TRUE	2.77E-19
FEV1	CASP8AP2	cg13799429	rs10806401	T	C	0.132	0.024	0.444	2.12E-08	-0.002	0.002	0.487	0.008	31.364	TRUE	3.84E-08
FEV1	CASP8AP2	cg13799429	rs10944439	A	T	0.148	0.024	0.354	1.17E-09	-0.002	0.002	0.339	0.010	37.006	TRUE	2.64E-09
FEV1	CASP8AP2	cg13799429	rs12530146	T	C	0.368	0.067	0.074	3.23E-08	-0.002	0.005	0.629	0.008	30.546	TRUE	5.14E-08
FEV1	CASP8AP2	cg13799429	rs12663458	C	G	0.181	0.029	0.184	6.80E-10	0.002	0.003	0.466	0.010	38.056	TRUE	1.36E-09
FEV1	CASP8AP2	cg13799429	rs13220655	C	G	-0.249	0.038	0.093	8.70E-11	-0.005	0.004	0.187	0.011	42.071	TRUE	2.67E-10
FEV1	CASP8AP2	cg13799429	rs148798051	A	C	-0.945	0.159	0.014	3.00E-09	-0.022	0.012	0.055	0.009	35.167	TRUE	1.14E-08

FEV1	CASP8AP2	cg13799429	rs149792516	T	C	-0.905	0.124	0.018	2.48E-13	0.000	0.009	0.975	0.014	53.557	TRUE	3.78E-13
FEV1	CASP8AP2	cg13799429	rs176765	C	A	-0.201	0.026	0.276	3.59E-14	0.005	0.003	0.087	0.015	57.353	TRUE	1.95E-13
FEV1	CASP8AP2	cg13799429	rs2304895	T	C	0.272	0.033	0.138	1.23E-16	0.003	0.003	0.460	0.018	68.528	TRUE	3.91E-16
FEV1	CASP8AP2	cg13799429	rs466321	C	G	-0.970	0.040	0.088	1.66E-129	-0.003	0.004	0.529	0.137	585.905	TRUE	1.78E-121
FEV1	CASP8AP2	cg13799429	rs4706346	C	T	0.294	0.031	0.181	6.61E-22	0.005	0.003	0.125	0.024	92.486	TRUE	6.27E-21
FEV1	CASP8AP2	cg13799429	rs55650455	C	T	-0.256	0.028	0.216	1.59E-19	-0.008	0.003	0.005	0.022	81.645	TRUE	3.61E-18
FEV1	CASP8AP2	cg13799429	rs59912723	A	G	-1.030	0.126	0.015	3.20E-16	-0.015	0.011	0.157	0.018	66.638	TRUE	1.65E-15
FEV1	CASP8AP2	cg13799429	rs62415380	C	G	0.231	0.037	0.113	3.50E-10	0.001	0.004	0.745	0.011	39.354	TRUE	5.62E-10
FEV1	CASP8AP2	cg13799429	rs72919973	A	G	-0.803	0.145	0.012	2.83E-08	-0.012	0.011	0.268	0.008	30.802	TRUE	6.30E-08
FEV1	CASP8AP2	cg13799429	rs74437492	G	A	-1.017	0.027	0.180	<1E-200	-0.004	0.003	0.222	0.279	1429.369	TRUE	5.48E-275
FEV1	CASP8AP2	cg13799429	rs77269634	A	C	-0.826	0.127	0.016	6.76E-11	0.002	0.010	0.855	0.011	42.564	TRUE	1.02E-10
FEV1	CASP8AP2	cg13799429	rs7760960	T	C	0.336	0.023	0.471	1.90E-48	0.000	0.002	0.928	0.055	213.823	TRUE	4.55E-47
FEV1	CASP8AP2	cg13799429	rs77968219	A	G	-0.320	0.053	0.050	1.26E-09	-0.007	0.005	0.186	0.010	36.853	TRUE	3.54E-09
FEV1	CASP8AP2	cg13799429	rs79185045	A	G	-0.655	0.059	0.042	4.55E-29	0.003	0.006	0.611	0.033	125.156	TRUE	2.93E-28
FEV1	CASP8AP2	cg13799429	rs9342183	T	C	-0.155	0.028	0.217	4.99E-08	0.001	0.003	0.750	0.008	29.703	TRUE	7.15E-08
FEV1	CASP8AP2	cg13799429	rs9344968	G	T	0.436	0.025	0.305	1.54E-66	0.002	0.003	0.421	0.074	296.764	TRUE	1.09E-63
FEV1	CASP8AP2	cg13799429	rs9362606	C	T	0.167	0.028	0.206	2.60E-09	-0.005	0.003	0.099	0.009	35.444	TRUE	8.37E-09
FEV1	CASP8AP2	cg13799429	rs9362654	G	A	0.238	0.024	0.376	1.24E-22	-0.002	0.002	0.319	0.025	95.796	TRUE	7.69E-22
FEV1	CASP8AP2	cg14728024	rs17707653	C	T	0.314	0.028	0.204	1.56E-28	0.004	0.003	0.188	0.032	122.714	TRUE	2.25E-27
FEV1	CASP8AP2	cg14728024	rs4707565	C	T	-0.152	0.024	0.373	3.54E-10	0.001	0.002	0.718	0.011	39.331	TRUE	5.83E-10
FEV1	CBL	cg22414151	rs11243	G	A	-0.800	0.058	0.043	1.15E-43	0.019	0.006	0.001	0.049	191.927	TRUE	1.08E-40
FEV1	CBS	cg00882967	rs1788493	C	T	-0.153	0.023	0.483	5.03E-11	-0.005	0.002	0.034	0.012	43.144	TRUE	2.67E-10
FEV1	CBS	cg00882967	rs55994345	T	C	0.292	0.039	0.102	3.66E-14	0.002	0.004	0.668	0.015	57.314	TRUE	7.77E-14
FEV1	CBS	cg00882967	rs71316190	C	T	-0.385	0.055	0.046	2.79E-12	0.002	0.005	0.763	0.013	48.805	TRUE	4.88E-12
FEV1	CBS	cg01788910	rs1051319	C	G	0.625	0.033	0.140	8.14E-79	0.002	0.004	0.640	0.087	353.100	TRUE	2.27E-75
FEV1	CBS	cg01788910	rs12482487	T	C	0.448	0.058	0.040	1.34E-14	-0.008	0.006	0.181	0.016	59.287	TRUE	5.64E-14
FEV1	CBS	cg01788910	rs13052751	T	C	0.185	0.024	0.395	1.30E-14	-0.006	0.002	0.014	0.016	59.352	TRUE	1.24E-13
FEV1	CBS	cg01788910	rs145115457	T	A	-0.461	0.075	0.031	5.91E-10	0.006	0.007	0.322	0.010	38.331	TRUE	1.39E-09
FEV1	CBS	cg01788910	rs1672117	G	A	-0.272	0.027	0.247	5.79E-24	-0.004	0.003	0.185	0.027	101.861	TRUE	5.33E-23
FEV1	CBS	cg01788910	rs2027711	T	C	0.786	0.020	0.470	<1E-200	-0.003	0.002	0.184	0.290	1512.517	TRUE	4.86E-289
FEV1	CBS	cg01788910	rs234702	G	C	0.503	0.065	0.064	1.22E-14	0.002	0.004	0.727	0.016	59.475	TRUE	2.49E-14
FEV1	CBS	cg01788910	rs234784	T	C	0.279	0.034	0.371	9.24E-17	-0.004	0.002	0.066	0.018	69.089	TRUE	6.93E-16
FEV1	CBS	cg01788910	rs35112095	A	G	0.269	0.049	0.057	4.20E-08	-0.005	0.005	0.322	0.008	30.041	TRUE	8.61E-08
FEV1	CBS	cg01788910	rs55767206	T	C	-0.738	0.038	0.103	5.64E-84	0.005	0.004	0.171	0.092	376.783	TRUE	1.88E-79
FEV1	CBS	cg01788910	rs71320557	T	C	0.412	0.037	0.107	1.09E-28	-0.005	0.004	0.178	0.032	123.416	TRUE	1.61E-27
FEV1	CBS	cg01788910	rs71320558	T	C	-0.276	0.050	0.120	3.79E-08	0.002	0.004	0.618	0.008	30.236	TRUE	6.04E-08
FEV1	CBS	cg01788910	rs7279886	C	A	-0.144	0.026	0.287	2.88E-08	0.005	0.003	0.042	0.008	30.772	TRUE	1.07E-07
FEV1	CBS	cg01788910	rs7281623	A	C	-0.185	0.024	0.399	2.39E-14	0.004	0.002	0.107	0.015	58.149	TRUE	1.22E-13
FEV1	CBS	cg01788910	rs75873792	G	C	0.577	0.079	0.020	2.48E-13	0.008	0.007	0.249	0.014	53.551	TRUE	8.33E-13
FEV1	CBS	cg01788910	rs77233863	A	C	-0.426	0.040	0.084	4.89E-26	0.008	0.004	0.046	0.029	111.317	TRUE	1.10E-24
FEV1	CBS	cg01788910	rs78269027	C	T	-0.827	0.144	0.016	9.54E-09	0.006	0.009	0.555	0.009	32.914	TRUE	1.65E-08
FEV1	CBS	cg01788910	rs79067607	T	C	-0.468	0.062	0.071	6.05E-14	0.007	0.004	0.136	0.015	56.325	TRUE	2.68E-13

FEV1	CBS	cg01817286	rs55994345	T	C	0.256	0.038	0.102	2.08E-11	0.002	0.004	0.668	0.012	44.872	TRUE	3.79E-11
FEV1	CBS	cg02644491	rs149095199	T	C	-0.426	0.040	0.084	5.17E-26	0.008	0.004	0.039	0.029	111.208	TRUE	1.18E-24
FEV1	CBS	cg02644491	rs1672117	G	A	-0.260	0.027	0.247	6.41E-22	-0.004	0.003	0.185	0.024	92.548	TRUE	4.90E-21
FEV1	CBS	cg02644491	rs181911461	A	G	-0.499	0.090	0.019	2.81E-08	0.017	0.009	0.052	0.008	30.818	TRUE	9.79E-08
FEV1	CBS	cg02644491	rs234714	T	C	0.548	0.029	0.203	9.58E-80	0.002	0.003	0.410	0.088	357.365	TRUE	5.71E-76
FEV1	CBS	cg02644491	rs234784	T	C	0.239	0.034	0.371	1.10E-12	-0.004	0.002	0.066	0.014	50.635	TRUE	5.55E-12
FEV1	CBS	cg02644491	rs2839619	G	A	0.778	0.020	0.487	<1E-200	-0.005	0.002	0.022	0.283	1462.750	TRUE	4.06E-279
FEV1	CBS	cg02644491	rs55767206	T	C	-0.694	0.038	0.103	4.92E-74	0.005	0.004	0.171	0.082	331.157	TRUE	2.94E-70
FEV1	CBS	cg02644491	rs6586278	T	C	0.528	0.034	0.140	4.04E-54	0.004	0.004	0.211	0.061	239.816	TRUE	1.02E-51
FEV1	CBS	cg02644491	rs71320557	T	C	0.311	0.037	0.107	6.11E-17	-0.005	0.004	0.178	0.019	69.904	TRUE	3.12E-16
FEV1	CBS	cg02644491	rs7278989	C	T	0.151	0.025	0.319	2.60E-09	-0.003	0.003	0.269	0.009	35.441	TRUE	6.30E-09
FEV1	CBS	cg02644491	rs7281623	A	C	-0.143	0.024	0.399	4.64E-09	0.004	0.002	0.107	0.009	34.315	TRUE	1.46E-08
FEV1	CBS	cg02644491	rs760124	C	T	0.363	0.046	0.066	4.70E-15	-0.006	0.005	0.217	0.016	61.347	TRUE	1.89E-14
FEV1	CBS	cg02644491	rs76980828	C	G	-0.307	0.047	0.059	6.03E-11	0.000	0.005	0.984	0.011	42.789	TRUE	8.26E-11
FEV1	CBS	cg02644491	rs78338872	T	C	0.477	0.073	0.030	5.01E-11	0.000	0.007	0.987	0.012	43.150	TRUE	6.85E-11
FEV1	CBS	cg02644491	rs79067607	T	C	-0.457	0.062	0.071	2.53E-13	0.007	0.004	0.136	0.014	53.511	TRUE	1.07E-12
FEV1	CBS	cg03137177	rs11911976	C	T	0.133	0.024	0.429	2.61E-08	-0.007	0.002	0.004	0.008	30.959	TRUE	1.51E-07
FEV1	CBS	cg06118533	rs74748949	T	G	-0.434	0.075	0.025	8.48E-09	-0.001	0.007	0.922	0.009	33.144	TRUE	1.12E-08
FEV1	CBS	cg07211972	rs1107831	G	A	0.299	0.024	0.397	6.72E-37	-0.006	0.002	0.010	0.042	160.949	TRUE	9.81E-35
FEV1	CBS	cg07211972	rs13048977	G	A	-0.150	0.026	0.288	7.15E-09	0.005	0.003	0.045	0.009	33.475	TRUE	2.78E-08
FEV1	CBS	cg07211972	rs1672117	G	A	-0.200	0.027	0.247	1.31E-13	-0.004	0.003	0.185	0.015	54.809	TRUE	4.97E-13
FEV1	CBS	cg07211972	rs2276240	A	G	-0.137	0.025	0.332	2.93E-08	0.001	0.003	0.817	0.008	30.737	TRUE	4.08E-08
FEV1	CBS	cg07211972	rs428732	T	C	0.323	0.043	0.079	5.92E-14	0.002	0.004	0.673	0.015	56.368	TRUE	1.23E-13
FEV1	CBS	cg07211972	rs706209	A	G	-0.731	0.020	0.452	2.06E-281	0.003	0.002	0.277	0.258	1284.298	TRUE	5.78E-250
FEV1	CBS	cg07211972	rs73220903	T	C	0.365	0.035	0.134	1.07E-25	0.003	0.004	0.392	0.029	109.762	TRUE	7.50E-25
FEV1	CBS	cg07211972	rs73231644	T	C	-0.244	0.031	0.161	8.90E-15	0.005	0.003	0.093	0.016	60.093	TRUE	4.80E-14
FEV1	CBS	cg07211972	rs75402527	T	A	-0.418	0.042	0.091	3.15E-23	0.005	0.004	0.234	0.026	98.510	TRUE	2.46E-22
FEV1	CBS	cg07211972	rs760124	C	T	0.322	0.046	0.066	3.92E-12	-0.006	0.005	0.217	0.013	48.139	TRUE	1.25E-11
FEV1	CBS	cg09128751	rs141298881	T	C	-0.895	0.161	0.012	2.78E-08	0.000	0.013	0.998	0.008	30.839	TRUE	3.40E-08
FEV1	CBS	cg09128751	rs181911461	A	G	-0.488	0.090	0.019	4.95E-08	0.017	0.009	0.052	0.008	29.719	TRUE	1.68E-07
FEV1	CBS	cg09128751	rs2839584	C	T	-0.187	0.028	0.200	3.91E-11	0.005	0.003	0.060	0.012	43.633	TRUE	1.77E-10
FEV1	CBS	cg09128751	rs35976043	T	C	-0.146	0.024	0.368	1.52E-09	-0.005	0.002	0.024	0.010	36.487	TRUE	7.17E-09
FEV1	CBS	cg09128751	rs397589	T	G	0.178	0.023	0.483	2.91E-14	-0.005	0.002	0.030	0.015	57.766	TRUE	2.25E-13
FEV1	CBS	cg09128751	rs57538964	C	T	-0.718	0.038	0.101	3.41E-79	0.005	0.004	0.212	0.088	354.833	TRUE	4.04E-75
FEV1	CBS	cg14171527	rs111412674	C	T	-0.419	0.055	0.047	2.89E-14	0.002	0.006	0.736	0.015	57.776	TRUE	5.77E-14
FEV1	CBS	cg14171527	rs112273870	A	G	0.312	0.038	0.108	2.95E-16	0.002	0.004	0.559	0.018	66.799	TRUE	7.89E-16
FEV1	CBS	cg15300856	rs113636179	G	A	0.442	0.057	0.042	7.06E-15	-0.010	0.006	0.079	0.016	60.547	TRUE	4.21E-14
FEV1	CBS	cg15300856	rs118097759	C	A	-0.470	0.066	0.035	7.71E-13	-0.005	0.007	0.414	0.014	51.327	TRUE	1.98E-12
FEV1	CBS	cg15300856	rs11909507	A	G	0.256	0.043	0.086	2.06E-09	0.008	0.004	0.057	0.010	35.899	TRUE	7.86E-09
FEV1	CBS	cg15300856	rs234771	C	T	-0.400	0.042	0.082	1.63E-21	0.002	0.004	0.704	0.024	90.707	TRUE	5.28E-21
FEV1	CBS	cg15300856	rs2850144	C	G	-0.730	0.023	0.343	7.65E-214	-0.005	0.003	0.056	0.208	973.575	TRUE	3.15E-193
FEV1	CBS	cg15300856	rs2850147	C	T	-0.144	0.024	0.461	8.65E-10	0.006	0.002	0.007	0.010	37.588	TRUE	5.33E-09

FEV1	CBS	cg15300856	rs28888543	A	G	0.186	0.031	0.173	1.09E-09	0.002	0.003	0.459	0.010	37.145	TRUE	2.16E-09
FEV1	CBS	cg15300856	rs62217610	A	C	-0.346	0.028	0.205	3.55E-34	-0.008	0.003	0.006	0.039	148.498	TRUE	4.45E-32
FEV1	CBS	cg15300856	rs6586282	T	C	0.319	0.031	0.182	2.77E-25	0.006	0.003	0.045	0.028	107.883	TRUE	5.54E-24
FEV1	CBS	cg15300856	rs78072851	C	G	-0.489	0.074	0.030	3.71E-11	-0.001	0.007	0.886	0.012	43.740	TRUE	5.52E-11
FEV1	CBS	cg15300856	rs9653816	T	C	0.148	0.024	0.366	1.01E-09	0.002	0.002	0.388	0.010	37.278	TRUE	2.19E-09
FEV1	CBS	cg19312314	rs1051319	C	G	0.449	0.034	0.140	1.29E-40	0.002	0.004	0.640	0.046	177.961	TRUE	2.32E-39
FEV1	CBS	cg19312314	rs12482487	T	C	0.492	0.058	0.040	2.40E-17	-0.008	0.006	0.181	0.019	71.748	TRUE	1.27E-16
FEV1	CBS	cg19312314	rs13052393	T	C	-0.237	0.040	0.278	2.76E-09	0.003	0.003	0.221	0.009	35.326	TRUE	7.07E-09
FEV1	CBS	cg19312314	rs145115457	T	A	-0.453	0.075	0.031	1.17E-09	0.006	0.007	0.322	0.010	37.004	TRUE	2.68E-09
FEV1	CBS	cg19312314	rs149095199	T	C	-0.430	0.040	0.084	1.62E-26	0.008	0.004	0.039	0.030	113.509	TRUE	3.92E-25
FEV1	CBS	cg19312314	rs150860006	T	A	0.925	0.165	0.011	2.20E-08	-0.001	0.011	0.965	0.008	31.295	TRUE	2.77E-08
FEV1	CBS	cg19312314	rs1672117	G	A	-0.269	0.027	0.247	1.80E-23	-0.004	0.003	0.185	0.026	99.616	TRUE	1.58E-22
FEV1	CBS	cg19312314	rs181911461	A	G	-0.552	0.090	0.019	8.29E-10	0.017	0.009	0.052	0.010	37.671	TRUE	3.39E-09
FEV1	CBS	cg19312314	rs2276240	A	G	-0.172	0.025	0.332	2.76E-12	0.001	0.003	0.817	0.013	48.829	TRUE	4.63E-12
FEV1	CBS	cg19312314	rs234702	G	C	0.525	0.065	0.064	7.19E-16	0.002	0.004	0.727	0.017	65.046	TRUE	1.57E-15
FEV1	CBS	cg19312314	rs234784	T	C	0.308	0.033	0.371	3.05E-20	-0.004	0.002	0.066	0.022	84.912	TRUE	3.22E-19
FEV1	CBS	cg19312314	rs35112095	A	G	0.295	0.049	0.057	1.79E-09	-0.005	0.005	0.322	0.010	36.170	TRUE	4.05E-09
FEV1	CBS	cg19312314	rs35628508	C	T	-0.455	0.049	0.053	1.90E-20	-0.003	0.005	0.596	0.023	85.851	TRUE	6.56E-20
FEV1	CBS	cg19312314	rs57538964	C	T	-0.743	0.038	0.101	6.34E-85	0.005	0.004	0.212	0.093	381.138	TRUE	2.07E-80
FEV1	CBS	cg19312314	rs71320557	T	C	0.430	0.037	0.107	3.24E-31	-0.005	0.004	0.178	0.035	134.966	TRUE	6.13E-30
FEV1	CBS	cg19312314	rs74748949	T	G	0.418	0.076	0.025	3.91E-08	-0.001	0.007	0.922	0.008	30.177	TRUE	5.02E-08
FEV1	CBS	cg19312314	rs75873792	G	C	0.532	0.079	0.020	1.52E-11	0.008	0.007	0.249	0.012	45.486	TRUE	4.44E-11
FEV1	CBS	cg19312314	rs9637290	T	C	-0.791	0.020	0.493	<1E-200	0.003	0.002	0.144	0.297	1559.258	TRUE	9.00E-297
FEV1	CBS	cg22633722	rs234716	A	C	-0.261	0.042	0.081	4.87E-10	0.002	0.004	0.621	0.010	38.709	TRUE	8.52E-10
FEV1	CBS	cg22633722	rs2850144	C	G	-0.461	0.024	0.343	5.58E-80	-0.005	0.003	0.056	0.088	358.440	TRUE	2.23E-75
FEV1	CBS	cg22633722	rs62217610	A	C	-0.208	0.029	0.205	3.22E-13	-0.008	0.003	0.006	0.014	53.042	TRUE	3.13E-12
FEV1	CBS	cg22633722	rs6586282	T	C	0.206	0.031	0.182	2.35E-11	0.006	0.003	0.045	0.012	44.630	TRUE	1.14E-10
FEV1	CBS	cg22633722	rs760124	C	T	0.275	0.046	0.066	3.29E-09	-0.006	0.005	0.217	0.009	34.988	TRUE	8.32E-09
FEV1	CD14	cg02343503	rs2569177	T	G	-0.212	0.026	0.291	2.94E-16	0.000	0.003	0.867	0.018	66.805	TRUE	5.69E-16
FEV1	CD14	cg08830139	rs11554680	T	C	-0.173	0.028	0.226	4.21E-10	-0.014	0.003	7.16E-07	0.010	38.992	TRUE	9.51E-09
FEV1	CD14	cg09824255	rs11167645	G	T	0.138	0.025	0.332	2.14E-08	0.013	0.003	1.45E-07	0.008	31.349	TRUE	4.04E-07
FEV1	CD14	cg09824255	rs3138078	A	C	-0.243	0.028	0.227	2.34E-18	-0.014	0.003	5.80E-07	0.020	76.341	TRUE	2.82E-16
FEV1	CD14	cg12143439	rs139633203	C	T	-0.423	0.071	0.031	3.03E-09	0.005	0.007	0.525	0.009	35.142	TRUE	5.53E-09
FEV1	CD14	cg12143439	rs150268356	T	C	-0.342	0.061	0.033	1.64E-08	-0.003	0.006	0.666	0.009	31.865	TRUE	2.57E-08
FEV1	CD14	cg12143439	rs2563316	G	C	-0.369	0.026	0.288	1.88E-46	0.000	0.003	0.919	0.052	204.677	TRUE	3.81E-45
FEV1	CD14	cg12143439	rs5744441	A	G	0.279	0.028	0.220	9.29E-23	-0.014	0.003	1.09E-06	0.025	96.369	TRUE	1.91E-20
FEV1	CD14	cg12192566	rs112198955	A	G	-0.436	0.073	0.027	1.87E-09	0.013	0.007	0.055	0.010	36.089	TRUE	7.19E-09
FEV1	CD14	cg12192566	rs13174119	A	G	0.219	0.025	0.333	1.56E-18	0.013	0.003	1.89E-07	0.020	77.140	TRUE	2.08E-16
FEV1	CD14	cg12192566	rs17412323	G	A	-0.182	0.028	0.226	5.54E-11	0.002	0.003	0.597	0.011	42.954	TRUE	1.05E-10
FEV1	CD14	cg12192566	rs2074611	A	G	-0.279	0.047	0.073	2.32E-09	-0.003	0.005	0.479	0.010	35.662	TRUE	4.46E-09
FEV1	CD14	cg12192566	rs2563316	G	C	-0.458	0.026	0.288	1.15E-71	0.000	0.003	0.919	0.080	320.288	TRUE	5.59E-69
FEV1	CD14	cg12192566	rs75436533	A	C	-0.286	0.044	0.082	5.19E-11	0.006	0.005	0.174	0.012	43.080	TRUE	1.66E-10

FEV1	CD14	cg14958663	rs11168036	T	G	-0.132	0.024	0.485	2.71E-08	-0.004	0.002	0.107	0.008	30.891	TRUE	7.77E-08
FEV1	CD14	cg14958663	rs111919803	C	T	-0.530	0.073	0.027	4.79E-13	0.013	0.007	0.079	0.014	52.260	TRUE	2.39E-12
FEV1	CD14	cg14958663	rs115216292	T	C	-0.368	0.067	0.033	3.86E-08	0.005	0.007	0.462	0.008	30.203	TRUE	6.96E-08
FEV1	CD14	cg14958663	rs150268356	T	C	-0.381	0.061	0.033	3.05E-10	-0.003	0.006	0.666	0.011	39.624	TRUE	5.22E-10
FEV1	CD14	cg14958663	rs155823	C	G	0.198	0.025	0.331	3.46E-15	0.013	0.003	2.12E-07	0.016	61.955	TRUE	2.51E-13
FEV1	CD14	cg14958663	rs2074611	A	G	-0.350	0.047	0.073	7.51E-14	-0.003	0.005	0.479	0.015	55.899	TRUE	1.92E-13
FEV1	CD14	cg14958663	rs75436533	A	C	-0.324	0.044	0.082	1.03E-13	0.006	0.005	0.174	0.015	55.278	TRUE	4.11E-13
FEV1	CD14	cg14958663	rs778587	T	C	-0.519	0.025	0.290	1.07E-92	0.000	0.003	0.908	0.101	416.835	TRUE	1.64E-88
FEV1	CD14	cg19008097	rs2563312	T	C	-0.224	0.037	0.114	1.88E-09	-0.008	0.004	0.021	0.010	36.079	TRUE	9.18E-09
FEV1	CD14	cg19008097	rs7709599	A	T	0.430	0.028	0.220	1.23E-52	-0.014	0.003	9.33E-07	0.059	233.015	TRUE	4.19E-48
FEV1	CD14	cg20943084	rs13179861	A	G	0.187	0.032	0.168	5.06E-09	-0.007	0.003	0.019	0.009	34.147	TRUE	2.38E-08
FEV1	CD14	cg20943084	rs2563331	T	C	-0.234	0.029	0.205	7.31E-16	-0.002	0.003	0.428	0.017	65.014	TRUE	2.27E-15
FEV1	CD14	cg20943084	rs6872579	G	A	-0.229	0.031	0.184	2.51E-13	0.003	0.003	0.275	0.014	53.528	TRUE	8.12E-13
FEV1	CD14	cg20943084	rs7721577	C	T	0.411	0.028	0.219	6.40E-48	-0.014	0.003	9.33E-07	0.054	211.406	TRUE	9.38E-44
FEV1	CD14	cg25358289	rs115216292	T	C	-0.466	0.067	0.033	3.08E-12	0.005	0.007	0.462	0.013	48.609	TRUE	7.19E-12
FEV1	CD14	cg25358289	rs5744441	A	G	0.320	0.028	0.220	1.65E-29	-0.014	0.003	1.09E-06	0.033	127.163	TRUE	1.03E-26
FEV1	CD14	cg25358289	rs6897376	T	A	0.140	0.025	0.319	3.38E-08	0.010	0.003	8.67E-05	0.008	30.460	TRUE	3.28E-07
FEV1	CD14	cg25358289	rs75436533	A	C	-0.281	0.044	0.082	1.18E-10	0.006	0.005	0.174	0.011	41.478	TRUE	3.65E-10
FEV1	CD14	cg25358289	rs778587	T	C	-0.447	0.026	0.290	2.03E-68	0.000	0.003	0.908	0.076	305.395	TRUE	6.17E-66
FEV1	CD164	cg08222271	rs6920962	T	A	-0.270	0.026	0.370	7.95E-25	-0.012	0.002	5.38E-07	0.028	105.795	TRUE	3.06E-22
FEV1	CD164	cg09416154	rs1832777	T	G	0.198	0.025	0.472	5.37E-15	0.000	0.002	0.869	0.016	61.087	TRUE	9.81E-15
FEV1	CD164	cg09416154	rs36099706	C	A	-0.233	0.027	0.338	5.03E-18	-0.011	0.003	4.01E-06	0.020	74.827	TRUE	3.82E-16
FEV1	CD164	cg12940558	rs12204742	A	G	0.880	0.070	0.033	1.60E-36	-0.014	0.007	0.034	0.041	159.226	TRUE	1.35E-34
FEV1	CD38	cg11207385	rs7674301	A	C	0.161	0.028	0.224	6.38E-09	0.001	0.003	0.706	0.009	33.698	TRUE	9.77E-09
FEV1	CD38	cg12580743	rs10939634	G	A	0.219	0.023	0.483	1.07E-21	-0.006	0.002	0.016	0.024	91.536	TRUE	2.24E-20
FEV1	CD38	cg12580743	rs13353624	A	G	0.405	0.063	0.037	1.78E-10	-0.006	0.006	0.303	0.011	40.671	TRUE	4.46E-10
FEV1	CD38	cg12580743	rs3900588	C	G	0.257	0.034	0.136	1.60E-14	-0.006	0.003	0.069	0.016	58.940	TRUE	9.78E-14
FEV1	CD38	cg12580743	rs7654487	A	G	0.136	0.024	0.362	2.30E-08	0.007	0.002	0.003	0.008	31.205	TRUE	1.43E-07
FEV1	CD38	cg20931972	rs13434425	C	T	0.583	0.073	0.026	1.26E-15	-0.023	0.007	8.53E-04	0.017	63.945	TRUE	2.60E-14
FEV1	CD38	cg20931972	rs4396987	A	C	0.152	0.026	0.292	3.97E-09	0.000	0.003	0.960	0.009	34.622	TRUE	5.12E-09
FEV1	CD38	cg20931972	rs6841880	A	T	-0.178	0.026	0.285	4.52E-12	0.002	0.003	0.480	0.013	47.859	TRUE	1.02E-11
FEV1	CD3E	cg08956138	rs28423005	T	C	0.277	0.024	0.340	8.25E-30	0.003	0.003	0.249	0.034	128.540	TRUE	1.14E-28
FEV1	CD3E	cg08956138	rs502514	C	T	-0.140	0.025	0.307	2.98E-08	-0.001	0.003	0.847	0.008	30.706	TRUE	4.06E-08
FEV1	CD3E	cg18085869	rs17613576	T	G	-0.241	0.037	0.110	1.14E-10	0.000	0.004	0.986	0.011	41.535	TRUE	1.55E-10
FEV1	CD3E	cg18085869	rs3759000	C	T	-0.202	0.027	0.241	1.11E-13	-0.006	0.003	0.019	0.015	55.137	TRUE	8.98E-13
FEV1	CD3E	cg27354586	rs11216819	G	A	-0.205	0.024	0.444	3.54E-18	-0.001	0.002	0.830	0.020	75.522	TRUE	7.96E-18
FEV1	CD3E	cg27354586	rs12273260	T	C	-0.449	0.075	0.026	1.77E-09	0.003	0.007	0.672	0.010	36.187	TRUE	2.89E-09
FEV1	CD3E	cg27354586	rs12419365	A	C	0.326	0.039	0.104	1.12E-16	0.002	0.004	0.705	0.018	68.706	TRUE	2.64E-16
FEV1	CD3E	cg27354586	rs12798851	G	T	0.249	0.035	0.136	1.38E-12	0.003	0.004	0.343	0.013	50.187	TRUE	3.79E-12
FEV1	CD3E	cg27354586	rs1599810	A	G	-0.726	0.023	0.341	1.07E-214	-0.004	0.003	0.099	0.209	977.494	TRUE	3.06E-194
FEV1	CD3E	cg27354586	rs3132893	A	C	0.220	0.036	0.127	1.18E-09	-0.007	0.004	0.042	0.010	36.990	TRUE	4.86E-09
FEV1	CD3E	cg27354586	rs374689492	A	G	0.271	0.025	0.333	3.70E-27	0.001	0.003	0.698	0.031	116.432	TRUE	1.80E-26

FEV1	CD3E	cg27354586	rs615144	A	C	-0.240	0.023	0.490	1.54E-24	-0.004	0.002	0.117	0.027	104.487	TRUE	1.89E-23
FEV1	CD3E	cg27354586	rs627995	T	C	-0.482	0.047	0.074	1.39E-24	-0.011	0.005	0.015	0.028	104.681	TRUE	4.06E-23
FEV1	CD44	cg13369159	rs4756196	G	A	0.142	0.024	0.497	1.57E-09	0.000	0.002	0.992	0.010	36.429	TRUE	2.01E-09
FEV1	CD44	cg14082886	rs353584	A	T	0.169	0.024	0.378	2.16E-12	-0.003	0.002	0.174	0.013	49.308	TRUE	7.82E-12
FEV1	CD44	cg14082886	rs663993	A	G	-0.286	0.030	0.187	1.86E-21	-0.004	0.003	0.235	0.024	90.446	TRUE	1.21E-20
FEV1	CD44	cg16344511	rs11033028	T	C	0.223	0.026	0.290	3.48E-18	-0.001	0.003	0.638	0.020	75.556	TRUE	9.66E-18
FEV1	CD44	cg16344511	rs2236272	C	T	0.215	0.029	0.208	6.36E-14	-0.011	0.003	9.86E-05	0.015	56.228	TRUE	1.57E-12
FEV1	CD44	cg16344511	rs353633	A	G	-0.145	0.025	0.307	1.04E-08	0.002	0.003	0.551	0.009	32.748	TRUE	1.80E-08
FEV1	CD44	cg16344511	rs7120564	A	G	0.145	0.024	0.468	8.65E-10	-0.001	0.002	0.844	0.010	37.588	TRUE	1.27E-09
FEV1	CD44	cg16344511	rs77030418	T	C	-0.264	0.037	0.101	1.83E-12	0.000	0.004	0.956	0.013	49.630	TRUE	2.73E-12
FEV1	CD44	cg16344511	rs7934466	G	C	-0.157	0.024	0.368	9.50E-11	0.006	0.002	0.011	0.011	41.899	TRUE	6.29E-10
FEV1	CD44	cg16344511	rs9666607	A	G	-0.422	0.025	0.333	9.92E-66	0.005	0.003	0.045	0.073	293.055	TRUE	4.28E-62
FEV1	CD44	cg20143092	rs12365962	A	G	-0.199	0.029	0.199	7.18E-12	-0.003	0.003	0.354	0.013	46.952	TRUE	1.86E-11
FEV1	CD70	cg22633597	rs10425142	A	G	0.260	0.031	0.179	3.63E-17	-0.001	0.003	0.661	0.019	70.929	TRUE	9.28E-17
FEV1	CD70	cg22633597	rs12971302	C	T	-0.460	0.025	0.314	6.21E-77	-0.006	0.003	0.029	0.085	344.460	TRUE	2.50E-72
FEV1	CD70	cg22633597	rs344590	T	C	-0.319	0.045	0.148	8.88E-13	0.003	0.003	0.421	0.014	51.049	TRUE	2.24E-12
FEV1	CD70	cg22633597	rs685587	A	G	0.277	0.033	0.389	5.97E-17	0.003	0.002	0.283	0.019	69.950	TRUE	2.52E-16
FEV1	CD70	cg26737640	rs112136162	A	G	-0.267	0.024	0.430	1.38E-29	0.005	0.002	0.045	0.033	127.528	TRUE	4.34E-28
FEV1	CD70	cg26737640	rs411204	C	G	0.220	0.039	0.121	2.39E-08	0.003	0.004	0.399	0.008	31.132	TRUE	4.62E-08
FEV1	CDC42	cg11572548	rs11583790	A	G	0.442	0.035	0.138	6.87E-37	0.009	0.003	0.009	0.042	160.905	TRUE	1.06E-34
FEV1	CDC42	cg11572548	rs34870854	A	C	0.233	0.033	0.156	1.76E-12	0.012	0.003	3.08E-04	0.013	49.704	TRUE	2.79E-11
FEV1	CDC42	cg21772489	rs12747516	A	G	-0.189	0.032	0.154	4.11E-09	0.015	0.003	5.35E-06	0.009	34.550	TRUE	6.39E-08
FEV1	CDC42	cg21772489	rs78715691	C	T	-1.167	0.110	0.022	2.62E-26	0.012	0.008	0.141	0.030	112.552	TRUE	3.60E-25
FEV1	CDC42	cg23987736	rs3754497	A	G	0.394	0.035	0.138	1.47E-29	0.009	0.003	0.008	0.033	127.395	TRUE	9.29E-28
FEV1	CDC42	cg23987736	rs4565679	C	T	-0.133	0.024	0.373	3.82E-08	-0.004	0.002	0.096	0.008	30.224	TRUE	1.13E-07
FEV1	CDC42	cg23987736	rs7536301	T	C	-0.340	0.043	0.078	4.53E-15	-0.004	0.004	0.345	0.016	61.420	TRUE	1.50E-14
FEV1	CDH1	cg01251360	rs113703890	T	C	0.413	0.073	0.058	1.75E-08	-0.002	0.005	0.623	0.009	31.740	TRUE	2.82E-08
FEV1	CDH1	cg01251360	rs117768501	T	A	0.559	0.082	0.021	8.24E-12	0.002	0.009	0.837	0.012	46.683	TRUE	1.32E-11
FEV1	CDH1	cg01251360	rs117773923	G	C	-0.285	0.043	0.077	5.61E-11	0.005	0.004	0.214	0.011	42.928	TRUE	1.66E-10
FEV1	CDH1	cg01251360	rs11861362	G	C	0.218	0.029	0.221	3.74E-14	0.002	0.003	0.549	0.015	57.269	TRUE	8.89E-14
FEV1	CDH1	cg01251360	rs12926010	G	A	0.678	0.022	0.397	1.87E-199	-0.004	0.002	0.069	0.197	907.422	TRUE	4.01E-181
FEV1	CDH1	cg01251360	rs146445162	T	A	0.438	0.078	0.028	2.23E-08	-0.008	0.007	0.297	0.008	31.265	TRUE	4.82E-08
FEV1	CDH1	cg01251360	rs153045	C	T	-0.139	0.025	0.349	4.81E-08	0.003	0.003	0.313	0.008	29.776	TRUE	9.93E-08
FEV1	CDH1	cg01251360	rs33965115	A	G	0.289	0.050	0.056	7.07E-09	-0.010	0.005	0.032	0.009	33.499	TRUE	2.88E-08
FEV1	CDH1	cg01251360	rs35628469	A	G	0.241	0.037	0.118	5.05E-11	0.001	0.004	0.711	0.012	43.136	TRUE	8.76E-11
FEV1	CDH1	cg01251360	rs55803225	T	C	-0.351	0.028	0.225	8.93E-37	0.000	0.003	0.950	0.042	160.383	TRUE	6.75E-36
FEV1	CDH1	cg01251360	rs696589	A	G	0.184	0.024	0.475	1.81E-14	0.001	0.002	0.709	0.016	58.693	TRUE	3.76E-14
FEV1	CDH1	cg01251360	rs77649342	A	T	0.445	0.072	0.027	8.03E-10	-0.001	0.007	0.910	0.010	37.732	TRUE	1.11E-09
FEV1	CDH1	cg01251360	rs8056633	G	T	-0.182	0.028	0.211	6.74E-11	-0.002	0.003	0.575	0.011	42.570	TRUE	1.30E-10
FEV1	CDH1	cg01251360	rs8063605	C	T	0.348	0.035	0.116	5.23E-23	-0.005	0.004	0.203	0.026	97.505	TRUE	4.22E-22
FEV1	CDH1	cg01251360	rs9934572	G	A	-0.223	0.030	0.193	9.15E-14	-0.003	0.003	0.354	0.015	55.512	TRUE	2.65E-13
FEV1	CDH1	cg01251360	rs9936766	C	T	0.190	0.029	0.213	2.87E-11	0.002	0.003	0.533	0.012	44.242	TRUE	5.85E-11

FEV1	CDH1	cg01857829	rs4783676	A	C	0.229	0.024	0.426	2.72E-22	-0.005	0.002	0.052	0.025	94.241	TRUE	3.80E-21
FEV1	CDH1	cg04398983	rs4783676	A	C	0.288	0.024	0.426	1.42E-34	-0.005	0.002	0.052	0.039	150.313	TRUE	7.53E-33
FEV1	CDH1	cg04398983	rs7202333	C	T	0.155	0.024	0.392	7.99E-11	0.002	0.002	0.325	0.011	42.238	TRUE	2.01E-10
FEV1	CDH1	cg04398983	rs8049247	A	C	-0.200	0.034	0.139	3.36E-09	0.000	0.003	0.935	0.009	34.944	TRUE	4.47E-09
FEV1	CDH1	cg04398983	rs9936766	C	T	0.167	0.028	0.213	4.19E-09	0.002	0.003	0.533	0.009	34.514	TRUE	7.53E-09
FEV1	CDH1	cg05785947	rs1886699	G	T	0.281	0.038	0.105	8.00E-14	-0.002	0.004	0.604	0.015	55.775	TRUE	1.77E-13
FEV1	CDH1	cg07762788	rs192253604	A	G	0.332	0.050	0.059	2.05E-11	0.006	0.005	0.199	0.012	44.897	TRUE	6.39E-11
FEV1	CDH1	cg08616585	rs8059194	G	A	-0.202	0.024	0.395	2.92E-17	-0.005	0.002	0.027	0.019	71.361	TRUE	3.10E-16
FEV1	CDH1	cg09220040	rs118029198	G	T	-0.530	0.065	0.030	2.07E-16	-0.006	0.007	0.376	0.018	67.495	TRUE	7.16E-16
FEV1	CDH1	cg09220040	rs16958383	A	G	-0.614	0.032	0.137	3.02E-81	-0.002	0.003	0.594	0.090	364.259	TRUE	1.40E-77
FEV1	CDH1	cg09220040	rs3114396	G	A	-0.199	0.027	0.258	1.12E-13	-0.001	0.003	0.727	0.015	55.116	TRUE	2.16E-13
FEV1	CDH1	cg09220040	rs7202333	C	T	0.159	0.024	0.392	2.34E-11	0.002	0.002	0.325	0.012	44.639	TRUE	6.12E-11
FEV1	CDH1	cg09220040	rs75025381	T	C	-0.194	0.028	0.208	4.15E-12	0.002	0.003	0.556	0.013	48.026	TRUE	8.71E-12
FEV1	CDH1	cg09220040	rs79699130	A	G	-0.497	0.064	0.033	9.02E-15	0.000	0.006	0.955	0.016	60.066	TRUE	1.49E-14
FEV1	CDH1	cg09220040	rs8049967	A	G	-0.359	0.062	0.036	6.44E-09	-0.006	0.006	0.316	0.009	33.679	TRUE	1.42E-08
FEV1	CDH1	cg09406989	rs11861362	G	C	0.205	0.029	0.221	1.20E-12	0.002	0.003	0.549	0.013	50.466	TRUE	2.59E-12
FEV1	CDH1	cg09406989	rs13689	C	T	-0.245	0.030	0.182	2.04E-16	-0.001	0.003	0.804	0.018	67.525	TRUE	4.27E-16
FEV1	CDH1	cg09406989	rs146445162	T	A	0.513	0.078	0.028	5.15E-11	-0.008	0.007	0.297	0.012	43.097	TRUE	1.35E-10
FEV1	CDH1	cg09406989	rs150699501	T	C	-0.566	0.097	0.014	5.62E-09	-0.006	0.010	0.510	0.009	33.944	TRUE	1.02E-08
FEV1	CDH1	cg09406989	rs34171206	A	G	0.239	0.024	0.461	3.39E-24	-0.001	0.002	0.544	0.027	102.919	TRUE	1.60E-23
FEV1	CDH1	cg09406989	rs72787251	A	G	-0.258	0.044	0.077	3.10E-09	0.005	0.004	0.236	0.009	35.101	TRUE	7.75E-09
FEV1	CDH1	cg09406989	rs75158225	A	G	0.506	0.084	0.021	1.48E-09	-0.003	0.009	0.775	0.010	36.537	TRUE	2.25E-09
FEV1	CDH1	cg09406989	rs77649342	A	T	0.431	0.072	0.027	2.54E-09	-0.001	0.007	0.910	0.010	35.489	TRUE	3.44E-09
FEV1	CDH1	cg09406989	rs79777749	A	C	-0.327	0.042	0.082	1.29E-14	0.004	0.004	0.397	0.016	59.369	TRUE	3.83E-14
FEV1	CDH1	cg09406989	rs8063605	C	T	0.313	0.035	0.116	6.68E-19	-0.005	0.004	0.203	0.021	78.812	TRUE	3.79E-18
FEV1	CDH1	cg09406989	rs9673498	T	C	-0.200	0.029	0.217	4.66E-12	-0.004	0.003	0.139	0.013	47.800	TRUE	1.78E-11
FEV1	CDH1	cg13920367	rs10775304	C	T	0.162	0.026	0.295	6.34E-10	0.006	0.003	0.017	0.010	38.195	TRUE	3.30E-09
FEV1	CDH1	cg13920367	rs1107074	G	A	-0.251	0.028	0.233	1.13E-19	0.003	0.003	0.286	0.022	82.326	TRUE	5.86E-19
FEV1	CDH1	cg13920367	rs11649261	A	G	-0.296	0.024	0.343	4.44E-34	0.000	0.003	0.990	0.038	148.052	TRUE	2.45E-33
FEV1	CDH1	cg13920367	rs13332087	C	T	-0.237	0.030	0.193	2.91E-15	-0.003	0.003	0.357	0.017	62.295	TRUE	9.38E-15
FEV1	CDH1	cg13920367	rs139478886	G	A	-0.492	0.087	0.014	1.75E-08	-0.001	0.008	0.934	0.009	31.740	TRUE	2.26E-08
FEV1	CDH1	cg13920367	rs146445162	T	A	0.573	0.078	0.028	2.27E-13	-0.008	0.007	0.297	0.014	53.723	TRUE	7.08E-13
FEV1	CDH1	cg13920367	rs148712046	A	G	0.707	0.122	0.024	6.13E-09	-0.013	0.008	0.076	0.009	33.776	TRUE	2.07E-08
FEV1	CDH1	cg13920367	rs1812452	C	G	-0.312	0.028	0.218	1.33E-29	-0.002	0.003	0.508	0.033	127.598	TRUE	1.03E-28
FEV1	CDH1	cg13920367	rs192891750	G	C	0.471	0.080	0.024	4.26E-09	0.006	0.007	0.417	0.009	34.484	TRUE	8.50E-09
FEV1	CDH1	cg13920367	rs33965115	A	G	0.479	0.050	0.056	5.49E-22	-0.010	0.005	0.032	0.024	92.853	TRUE	8.98E-21
FEV1	CDH1	cg13920367	rs62057896	A	G	-0.328	0.036	0.109	2.24E-19	-0.007	0.004	0.064	0.021	80.972	TRUE	2.19E-18
FEV1	CDH1	cg13920367	rs7184242	A	G	0.719	0.025	0.291	4.48E-187	-0.004	0.003	0.132	0.187	850.508	TRUE	5.95E-171
FEV1	CDH1	cg13920367	rs7199649	G	A	-0.337	0.034	0.134	2.80E-23	-0.002	0.004	0.545	0.026	98.745	TRUE	1.25E-22
FEV1	CDH1	cg13920367	rs75158225	A	G	0.666	0.084	0.021	1.57E-15	-0.003	0.009	0.775	0.017	63.507	TRUE	3.23E-15
FEV1	CDH1	cg13920367	rs8055800	T	C	-0.239	0.044	0.078	4.27E-08	-0.001	0.004	0.761	0.008	30.005	TRUE	6.10E-08
FEV1	CDH1	cg13920367	rs9783747	G	A	0.244	0.031	0.173	3.03E-15	-0.002	0.003	0.441	0.017	62.215	TRUE	8.87E-15

FEV1	CDH1	cg16739895	rs12926010	G	A	0.134	0.024	0.397	1.41E-08	-0.004	0.002	0.069	0.009	32.157	TRUE	4.75E-08
FEV1	CDH1	cg17655614	rs11075699	G	A	-0.141	0.023	0.447	1.21E-09	0.006	0.002	0.016	0.010	36.929	TRUE	6.21E-09
FEV1	CDH1	cg17655614	rs3912073	G	T	0.315	0.037	0.108	1.93E-17	-0.002	0.004	0.687	0.019	72.180	TRUE	4.87E-17
FEV1	CDH1	cg20716119	rs12923775	C	T	0.246	0.024	0.420	2.94E-25	-0.005	0.002	0.058	0.028	107.766	TRUE	5.35E-24
FEV1	CDH1	cg23989635	rs11642362	T	C	0.177	0.024	0.424	7.26E-14	-0.005	0.002	0.052	0.015	55.966	TRUE	4.37E-13
FEV1	CDH1	cg24765079	rs11075695	C	G	0.548	0.023	0.392	8.60E-125	-0.005	0.002	0.061	0.132	564.246	TRUE	4.75E-116
FEV1	CDH1	cg24765079	rs12149862	A	G	0.172	0.031	0.173	2.94E-08	-0.002	0.003	0.500	0.008	30.728	TRUE	5.19E-08
FEV1	CDH1	cg24765079	rs34171206	A	G	0.220	0.024	0.461	1.25E-20	-0.001	0.002	0.544	0.023	86.677	TRUE	4.54E-20
FEV1	CDH1	cg24765079	rs7200932	G	C	0.220	0.032	0.175	4.59E-12	-0.005	0.003	0.128	0.013	47.831	TRUE	1.81E-11
FEV1	CDH1	cg24765079	rs72787251	A	G	-0.266	0.044	0.077	1.15E-09	0.005	0.004	0.236	0.010	37.034	TRUE	2.97E-09
FEV1	CDH1	cg24765079	rs75921150	C	A	0.560	0.095	0.017	4.11E-09	0.014	0.010	0.161	0.009	34.553	TRUE	1.15E-08
FEV1	CDH1	cg24765079	rs8063605	C	T	0.304	0.035	0.116	7.03E-18	-0.005	0.004	0.203	0.020	74.168	TRUE	3.66E-17
FEV1	CDH1	cg24765079	rs9934572	G	A	-0.191	0.030	0.193	1.83E-10	-0.003	0.003	0.354	0.011	40.617	TRUE	4.23E-10
FEV1	CDH1	cg26508465	rs13330378	A	G	-0.202	0.026	0.299	3.68E-15	-0.004	0.003	0.121	0.016	61.833	TRUE	1.90E-14
FEV1	CDH1	cg26508465	rs74608019	T	C	0.506	0.078	0.020	1.03E-10	-0.002	0.008	0.827	0.011	41.739	TRUE	1.58E-10
FEV1	CDK5R1	cg06366062	rs149898952	T	C	0.598	0.106	0.015	1.63E-08	0.004	0.010	0.664	0.009	31.878	TRUE	2.56E-08
FEV1	CDK5R1	cg07437263	rs10775410	T	C	-0.219	0.023	0.470	3.89E-21	-0.002	0.002	0.327	0.023	88.981	TRUE	2.13E-20
FEV1	CDK5R1	cg07437263	rs12945943	A	T	0.274	0.049	0.125	2.77E-08	0.001	0.003	0.782	0.008	30.847	TRUE	3.91E-08
FEV1	CDK5R1	cg07437263	rs17733169	A	G	0.444	0.062	0.065	1.08E-12	0.000	0.005	0.999	0.014	50.669	TRUE	1.57E-12
FEV1	CDK5R1	cg07437263	rs2519866	C	T	0.269	0.034	0.290	1.08E-15	0.006	0.003	0.018	0.017	64.244	TRUE	1.12E-14
FEV1	CDK5R1	cg07437263	rs7223126	C	A	0.179	0.026	0.298	4.78E-12	0.002	0.003	0.417	0.013	47.748	TRUE	1.18E-11
FEV1	CDK5R1	cg07437263	rs739455	C	G	0.292	0.052	0.057	1.81E-08	0.001	0.006	0.804	0.008	31.671	TRUE	2.57E-08
FEV1	CDK5R1	cg07437263	rs76128637	A	G	-0.511	0.051	0.132	8.04E-24	0.001	0.004	0.773	0.027	101.213	TRUE	2.75E-23
FEV1	CDK5R1	cg07437263	rs80135683	A	G	-0.210	0.035	0.131	2.28E-09	-0.002	0.003	0.476	0.010	35.697	TRUE	4.37E-09
FEV1	CDK5R1	cg07437263	rs9889257	G	C	0.269	0.032	0.173	2.02E-17	0.003	0.003	0.321	0.019	72.087	TRUE	8.26E-17
FEV1	CDK5R1	cg10898212	rs80135683	A	G	-0.198	0.035	0.131	1.87E-08	-0.002	0.003	0.476	0.008	31.604	TRUE	3.40E-08
FEV1	CDK5R1	cg10898212	rs9899310	C	G	0.608	0.034	0.130	5.77E-70	0.002	0.004	0.657	0.078	312.486	TRUE	3.69E-67
FEV1	CDK5R1	cg12504804	rs11656631	T	C	-0.165	0.023	0.467	9.93E-13	-0.004	0.002	0.084	0.014	50.830	TRUE	4.74E-12
FEV1	CDK5R1	cg12504804	rs731880	T	A	0.613	0.034	0.130	3.93E-74	0.000	0.004	0.902	0.082	331.603	TRUE	2.76E-71
FEV1	CDK5R1	cg12504804	rs8080738	G	C	0.173	0.025	0.316	5.37E-12	0.003	0.003	0.198	0.013	47.521	TRUE	1.77E-11
FEV1	CDK5R1	cg18473137	rs10775410	T	C	-0.228	0.023	0.470	1.09E-22	-0.002	0.002	0.327	0.025	96.046	TRUE	6.80E-22
FEV1	CDK5R1	cg18473137	rs2519866	C	T	0.218	0.034	0.290	8.82E-11	0.006	0.003	0.018	0.011	42.044	TRUE	5.24E-10
FEV1	CDK5R1	cg18473137	rs76128637	A	G	-0.454	0.051	0.132	5.13E-19	0.001	0.004	0.773	0.021	79.334	TRUE	1.29E-18
FEV1	CDK5R1	cg18473137	rs9889257	G	C	0.190	0.032	0.173	2.28E-09	0.003	0.003	0.321	0.010	35.700	TRUE	5.17E-09
FEV1	CDK5R1	cg19634527	rs9333300	T	C	0.896	0.108	0.014	1.08E-16	0.004	0.010	0.673	0.018	68.776	TRUE	2.65E-16
FEV1	CDK5R1	cg19634527	rs9889257	G	C	0.176	0.032	0.173	2.90E-08	0.003	0.003	0.321	0.008	30.756	TRUE	6.08E-08
FEV1	CDK5R1	cg21855910	rs10775410	T	C	-0.198	0.023	0.470	1.83E-17	-0.002	0.002	0.327	0.019	72.279	TRUE	7.52E-17
FEV1	CDK5R1	cg21855910	rs117117721	T	C	-0.712	0.073	0.023	2.19E-22	0.007	0.007	0.328	0.025	94.674	TRUE	1.31E-21
FEV1	CDK5R1	cg22322863	rs62062462	T	C	0.185	0.023	0.478	2.35E-15	0.006	0.002	0.014	0.017	62.713	TRUE	2.38E-14
FEV1	CDKN2D	cg04833646	rs10409578	T	C	-0.205	0.034	0.144	1.10E-09	0.003	0.003	0.401	0.010	37.126	TRUE	2.29E-09
FEV1	CDKN2D	cg04833646	rs10416139	T	C	-0.281	0.037	0.245	1.45E-14	0.002	0.003	0.422	0.016	59.140	TRUE	4.08E-14
FEV1	CDKN2D	cg04833646	rs11085760	C	T	0.590	0.105	0.012	1.84E-08	-0.009	0.011	0.394	0.008	31.637	TRUE	3.61E-08

FEV1	CDKN2D	cg04833646	rs12973986	G	A	-0.184	0.028	0.205	9.59E-11	0.002	0.003	0.498	0.011	41.881	TRUE	1.97E-10
FEV1	CDKN2D	cg04833646	rs12978228	T	G	1.010	0.028	0.188	9.14E-280	-0.012	0.003	7.61E-05	0.257	1276.725	TRUE	1.04E-244
FEV1	CDKN2D	cg04833646	rs12985460	A	T	0.169	0.029	0.209	3.32E-09	-0.004	0.003	0.164	0.009	34.965	TRUE	9.32E-09
FEV1	CDKN2D	cg04833646	rs139437835	A	C	0.604	0.107	0.012	1.48E-08	-0.005	0.010	0.640	0.009	32.067	TRUE	2.37E-08
FEV1	CDKN2D	cg04833646	rs2278442	G	A	-0.145	0.024	0.362	1.96E-09	0.007	0.002	0.008	0.010	35.989	TRUE	1.18E-08
FEV1	CDKN2D	cg04833646	rs45518133	T	C	0.894	0.104	0.014	8.44E-18	0.008	0.010	0.436	0.020	73.808	TRUE	2.97E-17
FEV1	CDKN2D	cg04833646	rs4804520	C	T	-0.240	0.024	0.443	1.20E-23	0.015	0.002	1.82E-10	0.026	100.419	TRUE	1.34E-20
FEV1	CDKN2D	cg04833646	rs62131901	C	A	0.860	0.087	0.017	7.42E-23	-0.021	0.008	0.007	0.026	96.814	TRUE	2.24E-21
FEV1	CDKN2D	cg04833646	rs6511703	C	T	-0.207	0.027	0.240	2.51E-14	0.004	0.003	0.166	0.015	58.055	TRUE	1.09E-13
FEV1	CDKN2D	cg04833646	rs73013176	C	T	0.579	0.104	0.013	2.50E-08	-0.017	0.011	0.149	0.008	31.046	TRUE	6.69E-08
FEV1	CDKN2D	cg04833646	rs74179931	T	C	0.219	0.028	0.283	8.22E-15	-0.004	0.003	0.099	0.016	60.248	TRUE	4.48E-14
FEV1	CDKN2D	cg08312369	rs8105074	C	T	-0.179	0.030	0.180	4.11E-09	-0.011	0.003	2.67E-04	0.009	34.550	TRUE	3.94E-08
FEV1	CFLAR	cg08267148	rs10192461	A	G	0.233	0.038	0.090	8.49E-10	-0.001	0.004	0.788	0.010	37.623	TRUE	1.29E-09
FEV1	CFLAR	cg08267148	rs115353050	T	C	-0.250	0.042	0.081	2.93E-09	-0.006	0.004	0.192	0.009	35.213	TRUE	7.93E-09
FEV1	CFLAR	cg08267148	rs12620010	G	T	-0.130	0.024	0.494	2.97E-08	0.001	0.002	0.805	0.008	30.711	TRUE	4.18E-08
FEV1	CFLAR	cg08267148	rs6755945	A	T	0.198	0.030	0.168	7.37E-11	-0.005	0.003	0.112	0.011	42.396	TRUE	2.67E-10
FEV1	CFLAR	cg13311930	rs67917463	T	C	-0.181	0.029	0.215	3.20E-10	-0.005	0.003	0.102	0.011	39.529	TRUE	1.13E-09
FEV1	CFLAR	cg13368983	rs1002414	T	G	-0.180	0.026	0.278	6.51E-12	0.001	0.003	0.821	0.013	47.144	TRUE	1.07E-11
FEV1	CFLAR	cg13368983	rs12613347	T	C	-0.217	0.028	0.230	2.08E-14	-0.003	0.003	0.270	0.016	58.427	TRUE	7.33E-14
FEV1	CFLAR	cg13368983	rs12620435	G	A	1.473	0.032	0.099	<1E-200	0.001	0.004	0.792	0.360	2078.371	TRUE	<1E-200
FEV1	CFLAR	cg13368983	rs12987876	A	G	-0.228	0.041	0.170	3.12E-08	0.001	0.003	0.735	0.008	30.617	TRUE	4.56E-08
FEV1	CFLAR	cg13368983	rs13029511	T	C	0.334	0.024	0.363	3.38E-43	0.006	0.002	0.015	0.049	189.777	TRUE	1.08E-40
FEV1	CFLAR	cg13368983	rs13420006	G	T	0.154	0.024	0.373	3.38E-10	-0.007	0.003	0.006	0.011	39.423	TRUE	2.26E-09
FEV1	CFLAR	cg13368983	rs150638321	A	G	-0.915	0.092	0.017	2.78E-23	-0.020	0.009	0.030	0.026	98.756	TRUE	5.45E-22
FEV1	CFLAR	cg13368983	rs16835334	C	G	0.393	0.063	0.033	4.31E-10	0.011	0.006	0.092	0.010	38.947	TRUE	1.53E-09
FEV1	CFLAR	cg13368983	rs188535859	T	C	1.121	0.143	0.013	5.19E-15	-0.002	0.009	0.845	0.016	61.155	TRUE	9.66E-15
FEV1	CFLAR	cg13368983	rs2348117	G	T	0.560	0.038	0.108	1.64E-49	0.005	0.004	0.211	0.056	218.695	TRUE	2.21E-47
FEV1	CFLAR	cg13368983	rs2348128	A	G	0.533	0.038	0.105	2.71E-44	0.001	0.004	0.733	0.050	194.794	TRUE	5.79E-43
FEV1	CFLAR	cg13368983	rs542974956	T	G	1.121	0.087	0.016	5.20E-38	0.004	0.008	0.639	0.043	166.034	TRUE	7.07E-37
FEV1	CFLAR	cg13368983	rs55902839	A	C	-0.152	0.024	0.463	1.28E-10	-0.002	0.002	0.453	0.011	41.322	TRUE	2.72E-10
FEV1	CFLAR	cg13368983	rs6743474	T	C	0.139	0.024	0.426	6.45E-09	-0.003	0.002	0.306	0.009	33.677	TRUE	1.45E-08
FEV1	CFLAR	cg13368983	rs79053638	C	T	1.140	0.052	0.052	1.44E-104	0.001	0.005	0.874	0.113	471.337	TRUE	2.36E-99
FEV1	CFLAR	cg14151166	rs74764677	G	A	0.369	0.065	0.032	1.71E-08	0.008	0.007	0.255	0.009	31.778	TRUE	3.93E-08
FEV1	CFLAR	cg23681745	rs12465952	G	A	-0.189	0.029	0.193	1.25E-10	0.006	0.003	0.047	0.011	41.365	TRUE	5.61E-10
FEV1	CFLAR	cg25051278	rs13408294	G	C	-0.227	0.040	0.098	1.27E-08	0.005	0.004	0.225	0.009	32.354	TRUE	3.05E-08
FEV1	CFLAR	cg25051278	rs150638321	A	G	1.317	0.090	0.017	8.16E-49	-0.020	0.009	0.030	0.055	215.504	TRUE	3.64E-46
FEV1	CFLAR	cg25051278	rs41359253	A	G	0.159	0.029	0.212	2.91E-08	-0.003	0.003	0.334	0.008	30.750	TRUE	5.99E-08
FEV1	CFLAR	cg25051278	rs6712963	A	G	-0.236	0.032	0.150	3.65E-13	-0.005	0.003	0.132	0.014	52.796	TRUE	1.52E-12
FEV1	CHGA	cg00813752	rs1740593	A	G	-0.187	0.026	0.290	3.49E-13	0.005	0.003	0.073	0.014	52.883	TRUE	1.77E-12
FEV1	CHGA	cg00813752	rs4905009	T	A	-0.522	0.028	0.230	5.42E-80	0.009	0.003	0.002	0.088	358.501	TRUE	1.76E-74
FEV1	CHGA	cg00813752	rs76864329	A	G	-0.385	0.069	0.029	2.11E-08	0.012	0.007	0.092	0.008	31.369	TRUE	6.46E-08
FEV1	CHGA	cg00813752	rs9658638	T	C	0.244	0.032	0.163	1.40E-14	-0.004	0.003	0.182	0.016	59.196	TRUE	6.02E-14

FEV1	CHGA	cg01901466	rs2402224	T	C	0.192	0.024	0.491	3.74E-16	-0.006	0.002	0.013	0.018	66.332	TRUE	4.27E-15
FEV1	CHGA	cg02327501	rs140723329	A	G	0.312	0.053	0.046	5.17E-09	-0.004	0.006	0.537	0.009	34.106	TRUE	9.20E-09
FEV1	CHGA	cg02327501	rs750678	G	A	-0.168	0.024	0.370	3.37E-12	-0.003	0.003	0.256	0.013	48.433	TRUE	1.02E-11
FEV1	CHGA	cg02327501	rs9658638	T	C	0.316	0.031	0.163	3.25E-24	-0.004	0.003	0.182	0.027	103.005	TRUE	3.23E-23
FEV1	CHGA	cg10166151	rs2402224	T	C	0.246	0.023	0.491	4.55E-26	-0.006	0.002	0.013	0.029	111.459	TRUE	1.61E-24
FEV1	CHGA	cg15480367	rs2295396	C	T	-0.158	0.028	0.232	1.02E-08	-0.003	0.003	0.323	0.009	32.793	TRUE	2.16E-08
FEV1	CHGA	cg16290737	rs11160097	T	C	0.183	0.031	0.190	2.07E-09	-0.013	0.003	2.71E-05	0.010	35.890	TRUE	2.89E-08
FEV1	CHGA	cg16290737	rs1740593	A	G	-0.183	0.026	0.290	1.13E-12	0.005	0.003	0.073	0.013	50.578	TRUE	5.47E-12
FEV1	CHGA	cg16290737	rs45585434	T	C	0.280	0.045	0.074	3.47E-10	-0.001	0.004	0.858	0.011	39.370	TRUE	5.10E-10
FEV1	CHGA	cg16290737	rs4905009	T	A	-0.663	0.027	0.230	2.00E-131	0.009	0.003	0.002	0.139	594.723	TRUE	8.55E-121
FEV1	CHGA	cg16290737	rs9658638	T	C	0.308	0.032	0.163	2.41E-22	-0.004	0.003	0.182	0.025	94.480	TRUE	2.02E-21
FEV1	CHGA	cg18397726	rs12436684	G	C	-0.182	0.031	0.187	7.21E-09	0.000	0.003	0.971	0.009	33.458	TRUE	9.18E-09
FEV1	CHGA	cg18397726	rs144938064	A	G	-2.190	0.132	0.017	2.86E-62	0.001	0.008	0.928	0.070	277.181	TRUE	3.65E-60
FEV1	CHGA	cg18397726	rs79701852	A	G	-0.450	0.080	0.022	2.09E-08	0.010	0.008	0.183	0.008	31.395	TRUE	5.30E-08
FEV1	CHGA	cg23013853	rs11160097	T	C	0.236	0.030	0.190	9.27E-15	-0.013	0.003	2.71E-05	0.016	60.013	TRUE	3.23E-13
FEV1	CHGA	cg23013853	rs114869373	C	T	0.370	0.028	0.231	1.39E-40	-0.003	0.003	0.303	0.046	177.803	TRUE	5.01E-39
FEV1	CHGA	cg23013853	rs1740593	A	G	-0.239	0.026	0.290	1.28E-20	0.005	0.003	0.073	0.023	86.621	TRUE	1.33E-19
FEV1	CHGA	cg23013853	rs2281516	C	T	0.196	0.025	0.319	7.39E-15	0.002	0.003	0.379	0.016	60.458	TRUE	2.23E-14
FEV1	CHGA	cg23013853	rs36071367	C	G	0.190	0.029	0.215	3.87E-11	0.001	0.003	0.664	0.012	43.656	TRUE	6.86E-11
FEV1	CHGA	cg23013853	rs7159323	A	C	-0.713	0.027	0.228	1.09E-152	0.009	0.003	0.001	0.158	692.440	TRUE	2.30E-139
FEV1	CHGA	cg23013853	rs77927883	G	C	-0.499	0.060	0.042	1.05E-16	0.000	0.006	0.960	0.018	68.843	TRUE	1.91E-16
FEV1	CHGA	cg23013853	rs941541	A	G	-0.293	0.053	0.046	3.37E-08	0.012	0.005	0.019	0.008	30.465	TRUE	1.43E-07
FEV1	CHMP4B	cg03355213	rs11696793	T	C	-0.190	0.026	0.258	5.47E-13	0.005	0.003	0.065	0.014	52.000	TRUE	2.88E-12
FEV1	CHMP4B	cg03355213	rs117119427	T	C	-0.389	0.040	0.081	1.68E-22	0.013	0.004	0.001	0.025	95.200	TRUE	8.07E-21
FEV1	CHMP4B	cg03355213	rs117515689	T	C	0.488	0.077	0.024	2.64E-10	0.010	0.007	0.195	0.011	39.902	TRUE	7.69E-10
FEV1	CHMP4B	cg03355213	rs12625272	G	C	0.256	0.041	0.093	3.30E-10	-0.003	0.004	0.533	0.011	39.468	TRUE	6.37E-10
FEV1	CHMP4B	cg03355213	rs13042412	G	A	0.476	0.052	0.056	1.28E-19	-0.006	0.005	0.222	0.022	82.075	TRUE	7.62E-19
FEV1	CHMP4B	cg03355213	rs13044031	C	A	-0.328	0.051	0.055	1.50E-10	-0.015	0.005	0.004	0.011	41.009	TRUE	1.16E-09
FEV1	CHMP4B	cg03355213	rs142163191	G	T	0.306	0.050	0.054	1.37E-09	0.000	0.005	0.994	0.010	36.692	TRUE	1.76E-09
FEV1	CHMP4B	cg03355213	rs147642147	T	C	-0.350	0.049	0.073	1.26E-12	0.009	0.005	0.072	0.013	50.359	TRUE	6.25E-12
FEV1	CHMP4B	cg03355213	rs17091470	G	T	0.365	0.046	0.075	3.40E-15	-0.009	0.004	0.040	0.016	61.987	TRUE	2.61E-14
FEV1	CHMP4B	cg03355213	rs17124619	A	G	0.326	0.028	0.216	1.58E-30	0.003	0.003	0.369	0.034	131.822	TRUE	1.82E-29
FEV1	CHMP4B	cg03355213	rs6057927	A	G	0.259	0.028	0.238	1.96E-20	0.001	0.003	0.678	0.023	85.789	TRUE	6.01E-20
FEV1	CHMP4B	cg03355213	rs6087477	C	T	0.208	0.024	0.404	1.83E-18	0.000	0.002	0.940	0.020	76.823	TRUE	3.77E-18
FEV1	CHMP4B	cg03355213	rs6087526	C	A	0.903	0.018	0.448	<1E-200	-0.007	0.002	0.003	0.396	2428.091	TRUE	<1E-200
FEV1	CHMP4B	cg03355213	rs61096088	C	T	0.461	0.041	0.083	9.27E-29	-0.008	0.004	0.053	0.032	123.744	TRUE	2.65E-27
FEV1	CHMP4B	cg03355213	rs62209606	A	G	-0.515	0.094	0.036	4.47E-08	0.006	0.007	0.381	0.008	29.916	TRUE	8.71E-08
FEV1	CHMP4B	cg03355213	rs77790403	A	G	0.465	0.084	0.022	3.23E-08	-0.002	0.009	0.829	0.008	30.546	TRUE	4.43E-08
FEV1	CHMP4B	cg03864128	rs112310554	G	A	0.214	0.031	0.167	8.76E-12	0.001	0.003	0.849	0.012	46.564	TRUE	1.39E-11
FEV1	CHMP4B	cg03864128	rs117763311	T	C	0.439	0.079	0.021	3.19E-08	-0.004	0.008	0.665	0.008	30.570	TRUE	4.92E-08
FEV1	CHMP4B	cg03864128	rs117879275	C	A	0.542	0.091	0.015	2.15E-09	0.010	0.008	0.225	0.010	35.816	TRUE	5.51E-09
FEV1	CHMP4B	cg03864128	rs13042412	G	A	0.481	0.053	0.056	5.32E-20	-0.006	0.005	0.222	0.022	83.812	TRUE	3.27E-19

FEV1	CHMP4B	cg03864128	rs13044031	C	A	-0.284	0.051	0.055	2.90E-08	-0.015	0.005	0.004	0.008	30.759	TRUE	1.64E-07
FEV1	CHMP4B	cg03864128	rs147642147	T	C	-0.385	0.049	0.073	5.84E-15	0.009	0.005	0.072	0.016	60.922	TRUE	3.61E-14
FEV1	CHMP4B	cg03864128	rs2092477	T	C	0.285	0.024	0.396	1.99E-32	-0.001	0.003	0.686	0.037	140.498	TRUE	1.51E-31
FEV1	CHMP4B	cg03864128	rs2747564	A	G	0.402	0.065	0.065	7.04E-10	-0.002	0.005	0.641	0.010	37.988	TRUE	1.21E-09
FEV1	CHMP4B	cg03864128	rs3213180	C	G	-0.382	0.037	0.096	6.30E-25	0.013	0.004	9.15E-04	0.028	106.256	TRUE	4.33E-23
FEV1	CHMP4B	cg03864128	rs6057927	A	G	0.229	0.028	0.238	3.17E-16	0.001	0.003	0.678	0.018	66.659	TRUE	7.46E-16
FEV1	CHMP4B	cg03864128	rs6059214	C	A	-0.176	0.026	0.261	1.66E-11	0.005	0.003	0.075	0.012	45.309	TRUE	7.38E-11
FEV1	CHMP4B	cg03864128	rs6087526	C	A	0.863	0.020	0.448	<1E-200	-0.007	0.002	0.003	0.344	1940.912	TRUE	<1E-200
FEV1	CHMP4B	cg03864128	rs6087561	C	T	0.309	0.040	0.098	8.58E-15	-0.001	0.004	0.752	0.016	60.165	TRUE	1.74E-14
FEV1	CHMP4B	cg03864128	rs6088177	G	A	0.185	0.024	0.403	6.24E-15	-0.001	0.002	0.844	0.016	60.793	TRUE	1.17E-14
FEV1	CHMP4B	cg03864128	rs6088253	G	T	0.788	0.131	0.017	2.00E-09	0.002	0.008	0.823	0.010	35.955	TRUE	2.90E-09
FEV1	CHMP4B	cg03864128	rs6088323	T	A	0.577	0.041	0.083	7.44E-45	-0.007	0.004	0.110	0.051	197.364	TRUE	9.07E-43
FEV1	CHMP4B	cg03864128	rs6088372	T	C	-0.386	0.032	0.137	1.05E-33	0.008	0.003	0.011	0.038	146.340	TRUE	1.05E-31
FEV1	CHMP4B	cg03864128	rs73906399	T	A	0.305	0.028	0.216	9.57E-27	0.003	0.003	0.371	0.030	114.551	TRUE	7.56E-26
FEV1	CHMP4B	cg26347170	rs13042148	T	C	-0.204	0.033	0.154	6.53E-10	-0.012	0.003	2.93E-04	0.010	38.137	TRUE	7.08E-09
FEV1	CHMP4B	cg26347170	rs293728	C	T	-0.162	0.029	0.216	1.40E-08	0.003	0.003	0.353	0.009	32.168	TRUE	2.89E-08
FEV1	CHMP4B	cg26347170	rs6057815	G	T	0.140	0.025	0.330	1.57E-08	0.004	0.003	0.123	0.009	31.948	TRUE	4.45E-08
FEV1	CHMP4B	cg26347170	rs6088323	T	A	-0.271	0.041	0.083	4.56E-11	-0.007	0.004	0.110	0.012	43.334	TRUE	1.70E-10
FEV1	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	0.005	0.002	0.046	0.014	51.673	TRUE	3.75E-12
FEV1	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	0.000	0.003	0.859	0.014	52.012	TRUE	8.95E-13
FEV1	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	-0.019	0.006	5.69E-04	0.014	52.555	TRUE	6.37E-12
FEV1	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	-0.004	0.006	0.500	0.009	32.855	TRUE	1.77E-08
FEV1	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	0.004	0.002	0.086	0.016	59.196	TRUE	7.79E-14
FEV1	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	-0.013	0.005	0.003	0.330	1817.779	TRUE	<1E-200
FEV1	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	-0.008	0.002	6.21E-04	0.023	88.968	TRUE	1.82E-19
FEV1	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	-0.006	0.003	0.011	0.028	106.985	TRUE	1.46E-23
FEV1	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	-0.003	0.003	0.374	0.011	39.531	TRUE	7.28E-10
FEV1	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	-0.001	0.007	0.914	0.017	65.776	TRUE	9.12E-16
FEV1	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	0.013	0.009	0.135	0.017	64.538	TRUE	4.94E-15
FEV1	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	0.007	0.002	0.007	0.019	72.841	TRUE	2.33E-16
FEV1	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	0.001	0.003	0.664	0.011	41.726	TRUE	1.84E-10
FEV1	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	-0.007	0.003	0.004	0.028	106.434	TRUE	2.69E-23
FEV1	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	0.003	0.002	0.278	0.075	299.324	TRUE	5.20E-64
FEV1	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	-0.001	0.004	0.896	0.161	707.670	TRUE	1.77E-145
FEV1	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	0.011	0.010	0.286	0.014	51.405	TRUE	2.27E-12
FEV1	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	-0.004	0.003	0.176	0.009	32.640	TRUE	2.87E-08
FEV1	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	-0.002	0.004	0.532	0.018	66.076	TRUE	1.18E-15
FEV1	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	0.004	0.002	0.098	0.019	73.132	TRUE	8.70E-17
FEV1	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	-0.019	0.006	5.69E-04	0.014	52.740	TRUE	5.83E-12
FEV1	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	-0.005	0.002	0.052	0.012	45.917	TRUE	5.87E-11
FEV1	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	-0.002	0.003	0.439	0.030	112.666	TRUE	1.68E-25
FEV1	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	-0.013	0.005	0.003	0.066	261.606	TRUE	4.47E-55

FEV1	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	-0.003	0.003	0.207	0.015	56.091	TRUE	2.60E-13
FEV1	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	0.004	0.002	0.092	0.014	54.032	TRUE	9.91E-13
FEV1	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	-0.005	0.002	0.031	0.019	73.015	TRUE	1.35E-16
FEV1	CLEC16A	cg02101434	rs248829	G	C	0.188	0.025	0.357	2.32E-14	-0.004	0.003	0.152	0.015	58.209	TRUE	1.01E-13
FEV1	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	-0.002	0.004	0.523	0.076	302.166	TRUE	6.85E-65
FEV1	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	0.001	0.004	0.782	0.009	33.983	TRUE	8.13E-09
FEV1	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	0.002	0.002	0.321	0.011	40.350	TRUE	5.13E-10
FEV1	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	0.005	0.003	0.042	0.014	52.354	TRUE	2.76E-12
FEV1	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	-0.004	0.003	0.175	0.011	40.126	TRUE	7.07E-10
FEV1	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	0.009	0.002	4.24E-04	0.072	288.915	TRUE	3.38E-60
FEV1	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	0.014	0.009	0.112	0.009	32.086	TRUE	4.31E-08
FEV1	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	-0.006	0.003	0.046	0.011	41.593	TRUE	5.12E-10
FEV1	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	-0.019	0.005	2.83E-04	0.011	41.041	TRUE	1.80E-09
FEV1	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	-0.023	0.009	0.012	0.012	43.128	TRUE	3.34E-10
FEV1	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	-0.001	0.003	0.827	0.022	84.691	TRUE	8.84E-20
FEV1	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	0.001	0.007	0.872	0.016	61.438	TRUE	8.18E-15
FEV1	CLEC16A	cg05080940	rs12598008	G	C	-0.800	0.021	0.410	<1E-200	-0.002	0.002	0.460	0.285	1476.860	TRUE	6.52E-284
FEV1	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	0.004	0.003	0.082	0.082	331.161	TRUE	5.62E-70
FEV1	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	0.008	0.006	0.209	0.033	126.080	TRUE	4.18E-28
FEV1	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	-0.006	0.005	0.276	0.055	217.234	TRUE	3.65E-47
FEV1	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	0.000	0.002	0.995	0.016	60.667	TRUE	1.07E-14
FEV1	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	0.001	0.003	0.712	0.019	71.819	TRUE	5.61E-17
FEV1	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	-0.002	0.003	0.577	0.009	32.295	TRUE	2.19E-08
FEV1	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	0.001	0.002	0.847	0.013	48.377	TRUE	5.67E-12
FEV1	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	0.007	0.007	0.319	0.010	37.194	TRUE	2.46E-09
FEV1	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	-0.001	0.002	0.575	0.065	257.463	TRUE	8.26E-56
FEV1	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	-0.005	0.003	0.071	0.048	188.382	TRUE	8.80E-41
FEV1	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	-0.003	0.004	0.471	0.064	251.330	TRUE	1.95E-54
FEV1	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	-0.001	0.002	0.668	0.036	137.835	TRUE	5.61E-31
FEV1	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	0.000	0.005	0.950	0.012	43.796	TRUE	5.09E-11
FEV1	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	0.015	0.004	7.18E-04	0.013	47.342	TRUE	7.59E-11
FEV1	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	0.011	0.010	0.286	0.009	32.445	TRUE	2.72E-08
FEV1	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	0.011	0.005	0.015	0.025	96.102	TRUE	2.47E-21
FEV1	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	0.001	0.003	0.864	0.025	96.297	TRUE	2.75E-22
FEV1	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	-0.007	0.002	0.002	0.118	494.295	TRUE	2.47E-101
FEV1	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	-0.013	0.004	6.79E-04	0.034	129.354	TRUE	7.99E-28
FEV1	CLEC16A	cg07486170	rs9937173	C	G	-0.144	0.025	0.338	4.09E-09	-0.003	0.003	0.167	0.009	34.562	TRUE	1.12E-08
FEV1	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	0.006	0.003	0.028	0.017	62.213	TRUE	2.56E-14
FEV1	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	-0.003	0.004	0.511	0.053	205.610	TRUE	5.21E-45
FEV1	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	0.015	0.003	1.17E-07	0.029	112.295	TRUE	1.84E-23
FEV1	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	-0.001	0.007	0.914	0.011	39.870	TRUE	3.77E-10
FEV1	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	0.013	0.009	0.135	0.013	50.367	TRUE	5.08E-12

FEV1	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	0.006	0.003	0.021	0.014	50.897	TRUE	6.62E-12
FEV1	CLEC16A	cg10468236	rs7185202	C	G	0.142	0.024	0.412	4.06E-09	-0.004	0.002	0.108	0.009	34.577	TRUE	1.26E-08
FEV1	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	0.011	0.010	0.286	0.009	34.738	TRUE	8.70E-09
FEV1	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	-0.002	0.004	0.635	0.082	329.037	TRUE	1.73E-70
FEV1	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	-0.015	0.005	6.01E-04	0.015	56.577	TRUE	9.20E-13
FEV1	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	0.005	0.003	0.118	0.009	34.069	TRUE	1.61E-08
FEV1	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	-0.002	0.004	0.523	0.012	45.951	TRUE	2.56E-11
FEV1	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	0.008	0.006	0.209	0.065	257.083	TRUE	2.95E-55
FEV1	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	0.007	0.002	0.006	0.034	129.413	TRUE	4.08E-28
FEV1	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	-0.012	0.005	0.007	0.010	36.745	TRUE	8.23E-09
FEV1	CLN5	cg04565255	rs1100903	T	C	-0.310	0.038	0.102	3.54E-16	0.001	0.004	0.796	0.018	66.443	TRUE	7.42E-16
FEV1	CLN5	cg04565255	rs11617489	C	T	-0.551	0.079	0.041	4.06E-12	-0.003	0.006	0.649	0.013	48.069	TRUE	7.86E-12
FEV1	CLN5	cg04565255	rs139530581	A	G	-0.672	0.104	0.013	9.24E-11	-0.010	0.009	0.308	0.011	41.954	TRUE	2.35E-10
FEV1	CLN5	cg04565255	rs45620238	T	C	-0.960	0.099	0.012	2.34E-22	0.006	0.010	0.579	0.025	94.542	TRUE	9.37E-22
FEV1	CLN5	cg04565255	rs55825686	T	C	0.458	0.035	0.110	1.94E-38	0.001	0.004	0.834	0.043	167.990	TRUE	2.04E-37
FEV1	CLN5	cg04565255	rs588702	T	C	-0.295	0.031	0.170	4.33E-21	0.001	0.003	0.837	0.023	88.769	TRUE	1.15E-20
FEV1	CLN5	cg04565255	rs61280205	G	A	-0.695	0.087	0.022	1.43E-15	0.016	0.009	0.073	0.017	63.686	TRUE	9.34E-15
FEV1	CLN5	cg04565255	rs640618	G	A	-0.827	0.026	0.226	9.71E-215	0.006	0.003	0.045	0.209	977.697	TRUE	7.82E-194
FEV1	CLN5	cg04565255	rs74922977	A	G	-0.708	0.095	0.011	9.19E-14	0.022	0.012	0.063	0.015	55.502	TRUE	5.25E-13
FEV1	CLN5	cg04565255	rs75776908	T	C	-0.780	0.095	0.017	1.84E-16	0.003	0.009	0.741	0.018	67.728	TRUE	4.14E-16
FEV1	CLN5	cg04565255	rs9565312	A	G	-0.821	0.081	0.022	2.53E-24	0.016	0.008	0.051	0.027	103.505	TRUE	4.50E-23
FEV1	CLN5	cg04565255	rs9574040	C	T	-0.625	0.065	0.035	3.58E-22	-0.002	0.006	0.708	0.025	93.698	TRUE	1.21E-21
FEV1	CLN5	cg04565255	rs9574055	C	A	-0.162	0.028	0.219	1.33E-08	0.004	0.003	0.164	0.009	32.262	TRUE	3.55E-08
FEV1	CLN5	cg09246924	rs700365	T	C	-0.571	0.089	0.021	1.17E-10	0.014	0.009	0.116	0.011	41.499	TRUE	4.12E-10
FEV1	CLN5	cg18817318	rs111793494	G	T	1.280	0.033	0.096	<1E-200	0.002	0.004	0.635	0.285	1471.365	TRUE	2.66E-283
FEV1	CLN5	cg18817318	rs12720132	T	G	0.422	0.065	0.030	7.84E-11	0.002	0.007	0.801	0.011	42.275	TRUE	1.24E-10
FEV1	CLN5	cg18817318	rs144918157	A	G	1.178	0.119	0.021	2.80E-23	0.001	0.007	0.880	0.026	98.740	TRUE	8.18E-23
FEV1	CLN5	cg18817318	rs17066893	T	A	-0.346	0.063	0.036	3.34E-08	0.002	0.006	0.704	0.008	30.485	TRUE	4.99E-08
FEV1	CLN5	cg18817318	rs2073831	T	C	-0.226	0.032	0.480	9.47E-13	0.003	0.002	0.276	0.014	50.923	TRUE	2.90E-12
FEV1	CLN5	cg18817318	rs374327	A	G	-0.198	0.030	0.186	6.86E-11	0.000	0.003	0.987	0.011	42.536	TRUE	9.25E-11
FEV1	CLN5	cg18817318	rs429037	T	C	-0.229	0.039	0.098	3.94E-09	0.002	0.004	0.697	0.009	34.636	TRUE	6.23E-09
FEV1	CLN5	cg18817318	rs45620238	T	C	-0.743	0.099	0.012	5.76E-14	0.006	0.010	0.579	0.015	56.420	TRUE	1.32E-13
FEV1	CLN5	cg18817318	rs56354925	C	G	0.407	0.041	0.085	4.04E-23	0.007	0.004	0.088	0.026	98.014	TRUE	5.09E-22
FEV1	CLN5	cg18817318	rs640618	G	A	-0.382	0.028	0.226	8.56E-43	0.006	0.003	0.045	0.048	187.929	TRUE	1.36E-40
FEV1	CLN5	cg18817318	rs700370	C	T	-0.303	0.049	0.050	4.94E-10	0.000	0.005	0.991	0.010	38.679	TRUE	6.53E-10
FEV1	CLN5	cg18817318	rs74557779	A	G	0.321	0.057	0.049	1.52E-08	-0.004	0.005	0.406	0.009	32.005	TRUE	2.97E-08
FEV1	CLN5	cg18817318	rs74623565	T	A	0.730	0.059	0.035	6.40E-35	0.015	0.006	0.013	0.039	151.900	TRUE	6.91E-33
FEV1	CLN5	cg18817318	rs9544471	A	T	0.343	0.025	0.307	4.28E-43	-0.002	0.003	0.374	0.049	189.306	TRUE	1.66E-41
FEV1	CLN5	cg18817318	rs9544497	T	C	0.634	0.078	0.022	2.93E-16	-0.016	0.008	0.031	0.018	66.816	TRUE	2.66E-15
FEV1	CLN5	cg18817318	rs9573986	A	G	-0.804	0.080	0.022	1.65E-23	0.017	0.008	0.038	0.026	99.785	TRUE	3.06E-22
FEV1	CLN5	cg22952787	rs73537762	C	G	-0.370	0.048	0.056	1.59E-14	0.008	0.005	0.088	0.016	58.951	TRUE	8.69E-14
FEV1	CLNK	cg03254067	rs13136927	A	C	0.131	0.024	0.443	3.39E-08	0.003	0.002	0.257	0.008	30.453	TRUE	7.59E-08

FEV1	CLNK	cg03254067	rs6856210	G	A	0.273	0.035	0.137	2.73E-15	-0.002	0.003	0.549	0.017	62.421	TRUE	7.12E-15
FEV1	CLNK	cg03485217	rs35062675	A	C	-0.269	0.024	0.351	2.08E-28	-0.005	0.002	0.050	0.032	122.139	TRUE	6.03E-27
FEV1	CLNK	cg03485217	rs3924635	A	C	0.230	0.025	0.320	9.34E-20	0.004	0.003	0.137	0.022	82.699	TRUE	6.94E-19
FEV1	CLNK	cg03485217	rs75490166	C	G	-0.406	0.068	0.063	2.43E-09	-0.008	0.005	0.102	0.010	35.573	TRUE	7.97E-09
FEV1	CLNK	cg06628679	rs16870534	G	A	-0.301	0.033	0.149	8.84E-20	-0.002	0.003	0.508	0.022	82.809	TRUE	3.26E-19
FEV1	CLNK	cg06628679	rs4697807	C	G	0.154	0.024	0.413	5.47E-11	0.002	0.002	0.381	0.011	42.978	TRUE	1.29E-10
FEV1	CLNK	cg10242279	rs113173921	G	T	-0.578	0.087	0.014	3.74E-11	0.004	0.009	0.662	0.012	43.721	TRUE	6.75E-11
FEV1	CLNK	cg10242279	rs116331752	T	C	-0.668	0.107	0.011	4.78E-10	-0.010	0.010	0.305	0.010	38.744	TRUE	1.16E-09
FEV1	CLNK	cg10242279	rs13144136	T	G	0.291	0.025	0.322	3.64E-31	0.004	0.003	0.100	0.035	134.733	TRUE	9.68E-30
FEV1	CLNK	cg10242279	rs141037145	A	G	-0.414	0.072	0.028	8.60E-09	-0.007	0.007	0.320	0.009	33.117	TRUE	1.87E-08
FEV1	CLNK	cg10242279	rs34154140	A	C	-0.286	0.035	0.120	5.18E-16	0.002	0.004	0.527	0.017	65.693	TRUE	1.43E-15
FEV1	CLNK	cg10242279	rs4352469	G	A	-0.740	0.030	0.164	8.99E-131	0.001	0.003	0.797	0.138	591.727	TRUE	5.79E-123
FEV1	CLNK	cg10242279	rs5000857	A	G	-0.217	0.027	0.251	2.72E-15	0.005	0.003	0.090	0.017	62.428	TRUE	1.61E-14
FEV1	CLNK	cg10242279	rs6828818	G	T	0.274	0.024	0.345	2.93E-29	-0.004	0.002	0.095	0.033	126.026	TRUE	6.86E-28
FEV1	CLNK	cg10242279	rs74745969	C	T	-0.426	0.072	0.027	2.59E-09	0.005	0.007	0.433	0.009	35.449	TRUE	5.18E-09
FEV1	CLNK	cg10841253	rs10030578	A	G	-0.254	0.024	0.421	5.80E-27	0.004	0.002	0.123	0.030	115.543	TRUE	9.03E-26
FEV1	CLNK	cg10841253	rs115191804	T	C	-0.433	0.079	0.026	4.26E-08	0.000	0.008	0.980	0.008	30.013	TRUE	5.25E-08
FEV1	CLNK	cg10841253	rs116331752	T	C	-0.645	0.107	0.011	1.84E-09	-0.010	0.010	0.305	0.010	36.114	TRUE	4.29E-09
FEV1	CLNK	cg10841253	rs11728377	A	T	-0.161	0.026	0.287	4.53E-10	-0.002	0.003	0.419	0.010	38.850	TRUE	9.63E-10
FEV1	CLNK	cg10841253	rs12186180	C	G	0.249	0.034	0.133	3.46E-13	0.001	0.003	0.823	0.014	52.900	TRUE	6.05E-13
FEV1	CLNK	cg10841253	rs13112980	A	T	-0.903	0.024	0.245	<1E-200	0.002	0.003	0.356	0.282	1451.023	TRUE	3.69E-279
FEV1	CLNK	cg10841253	rs13117441	G	T	0.267	0.026	0.288	2.03E-24	0.005	0.003	0.072	0.027	103.935	TRUE	3.09E-23
FEV1	CLNK	cg10841253	rs148828566	A	G	-0.408	0.053	0.049	8.49E-15	-0.003	0.005	0.577	0.016	60.187	TRUE	2.06E-14
FEV1	CLNK	cg10841253	rs17477692	G	A	-0.528	0.093	0.015	1.35E-08	0.012	0.009	0.200	0.009	32.247	TRUE	3.36E-08
FEV1	CLNK	cg10841253	rs1878278	A	G	-0.346	0.049	0.116	2.27E-12	-0.003	0.004	0.392	0.013	49.210	TRUE	5.73E-12
FEV1	CLNK	cg10841253	rs62288489	A	T	0.258	0.027	0.266	2.03E-22	-0.005	0.003	0.044	0.025	94.822	TRUE	3.10E-21
FEV1	CLNK	cg10841253	rs73089928	G	A	-0.488	0.042	0.085	9.78E-32	0.006	0.004	0.159	0.036	137.341	TRUE	2.16E-30
FEV1	CLNK	cg10841253	rs73224468	A	G	0.282	0.029	0.216	1.46E-22	0.002	0.003	0.555	0.025	95.471	TRUE	6.13E-22
FEV1	CLNK	cg10841253	rs73224493	G	T	-0.807	0.082	0.024	6.19E-23	0.002	0.008	0.833	0.026	97.172	TRUE	1.87E-22
FEV1	CLNK	cg10841253	rs76374961	A	G	-0.396	0.071	0.025	2.81E-08	-0.002	0.007	0.783	0.008	30.817	TRUE	3.99E-08
FEV1	CLNK	cg10841253	rs76592164	A	G	0.337	0.059	0.046	8.28E-09	-0.001	0.006	0.874	0.009	33.191	TRUE	1.13E-08
FEV1	CLNK	cg10841253	rs7666787	T	C	-0.361	0.031	0.171	7.58E-31	-0.008	0.003	0.020	0.035	133.277	TRUE	4.18E-29
FEV1	CLNK	cg10841253	rs7683253	T	C	0.259	0.033	0.146	3.68E-15	0.002	0.003	0.479	0.016	61.831	TRUE	1.02E-14
FEV1	CLNK	cg10841253	rs79020759	G	A	0.471	0.082	0.021	9.49E-09	-0.003	0.008	0.729	0.009	32.925	TRUE	1.43E-08
FEV1	CLNK	cg10841253	rs79896211	G	C	-0.733	0.071	0.029	9.66E-25	-0.001	0.006	0.891	0.028	105.407	TRUE	3.09E-24
FEV1	CLNK	cg10841253	rs80059608	T	C	-0.747	0.067	0.026	5.44E-29	0.008	0.007	0.256	0.033	124.800	TRUE	6.83E-28
FEV1	CLNK	cg10841253	rs9790471	T	C	-0.367	0.025	0.319	2.04E-48	0.004	0.003	0.096	0.055	213.686	TRUE	4.15E-46
FEV1	CLNK	cg12232903	rs6828436	C	T	0.137	0.023	0.449	4.73E-09	0.002	0.002	0.394	0.009	34.280	TRUE	9.75E-09
FEV1	CLNK	cg12939049	rs7694378	C	G	-0.214	0.035	0.131	6.83E-10	-0.003	0.004	0.384	0.010	38.048	TRUE	1.48E-09
FEV1	CLNK	cg14218108	rs12511309	A	G	0.258	0.023	0.481	2.28E-28	0.003	0.002	0.169	0.032	121.963	TRUE	3.49E-27
FEV1	CLNK	cg15489693	rs2159865	G	T	-0.189	0.026	0.300	1.87E-13	-0.002	0.003	0.387	0.014	54.112	TRUE	5.22E-13
FEV1	CLNK	cg15489693	rs4698053	A	G	0.185	0.024	0.464	4.08E-15	-0.007	0.002	0.005	0.016	61.630	TRUE	5.42E-14

FEV1	CLNK	cg17677988	rs78197428	G	A	0.225	0.040	0.094	2.52E-08	-0.005	0.004	0.246	0.008	31.030	TRUE	5.83E-08
FEV1	CLTA	cg13630493	rs2890703	T	C	0.175	0.023	0.454	9.24E-14	0.002	0.002	0.373	0.015	55.492	TRUE	2.70E-13
FEV1	CLTA	cg13630493	rs71531218	G	C	-0.264	0.034	0.154	3.50E-15	-0.007	0.003	0.027	0.016	61.930	TRUE	2.93E-14
FEV1	CLTB	cg18431408	rs111288271	A	G	-0.429	0.044	0.071	1.32E-22	0.000	0.005	0.924	0.025	95.678	TRUE	3.48E-22
FEV1	CLTB	cg18431408	rs11956701	G	A	-0.168	0.023	0.459	6.85E-13	-0.005	0.002	0.032	0.014	51.559	TRUE	4.31E-12
FEV1	CLTB	cg18431408	rs142388826	A	G	1.216	0.100	0.016	3.94E-34	0.003	0.009	0.759	0.039	148.287	TRUE	3.10E-33
FEV1	CLTB	cg18431408	rs4868641	A	G	0.304	0.042	0.080	4.66E-13	0.002	0.004	0.624	0.014	52.316	TRUE	9.74E-13
FEV1	CLTB	cg22584580	rs2913732	C	T	-0.130	0.024	0.496	4.02E-08	-0.004	0.002	0.069	0.008	30.125	TRUE	1.29E-07
FEV1	CLTB	cg22584580	rs7736666	A	G	-0.224	0.025	0.330	5.18E-19	-0.003	0.003	0.223	0.021	79.314	TRUE	2.94E-18
FEV1	CLTB	cg24735937	rs114640249	T	C	0.269	0.041	0.091	7.71E-11	0.003	0.004	0.529	0.011	42.308	TRUE	1.55E-10
FEV1	CLTB	cg24735937	rs17078187	T	A	0.283	0.025	0.316	7.80E-29	-0.003	0.003	0.318	0.032	124.085	TRUE	8.29E-28
FEV1	CLTB	cg24735937	rs3199427	A	G	0.180	0.028	0.226	1.36E-10	-0.004	0.003	0.158	0.011	41.195	TRUE	4.35E-10
FEV1	CLTB	cg24735937	rs564145093	T	C	-0.287	0.042	0.081	5.29E-12	0.002	0.004	0.624	0.013	47.550	TRUE	1.04E-11
FEV1	CLTB	cg24735937	rs62402495	T	C	0.502	0.086	0.041	5.98E-09	0.001	0.007	0.903	0.009	33.822	TRUE	8.05E-09
FEV1	CLTB	cg24735937	rs67877276	T	C	0.568	0.024	0.381	7.83E-128	-0.006	0.002	0.009	0.135	578.216	TRUE	4.85E-118
FEV1	CLTB	cg24735937	rs6862846	A	G	0.241	0.032	0.165	1.03E-13	-0.003	0.003	0.297	0.015	55.274	TRUE	3.35E-13
FEV1	CLU	cg02393097	rs1982229	T	C	0.202	0.024	0.336	1.36E-16	0.000	0.002	0.857	0.018	68.329	TRUE	2.70E-16
FEV1	CLU	cg03735511	rs9331888	G	C	-0.271	0.026	0.291	2.41E-26	-0.005	0.003	0.036	0.030	112.717	TRUE	6.03E-25
FEV1	CLU	cg13620439	rs74614358	A	T	0.187	0.034	0.136	2.51E-08	0.010	0.003	0.003	0.008	31.040	TRUE	1.47E-07
FEV1	CLU	cg13620439	rs867231	C	G	0.195	0.027	0.257	3.94E-13	0.005	0.003	0.051	0.014	52.646	TRUE	2.22E-12
FEV1	CLU	cg16292768	rs867230	C	A	-0.312	0.024	0.399	7.43E-40	0.000	0.002	0.862	0.045	174.477	TRUE	8.32E-39
FEV1	CLU	cg18931633	rs73231005	G	C	-0.224	0.026	0.286	1.21E-17	0.006	0.003	0.034	0.019	73.102	TRUE	1.28E-16
FEV1	COL2A1	cg01906695	rs10875719	C	T	-0.195	0.024	0.365	7.52E-16	0.006	0.002	0.022	0.017	64.958	TRUE	7.31E-15
FEV1	COL2A1	cg01906695	rs79159228	A	C	0.267	0.045	0.075	2.46E-09	0.008	0.004	0.062	0.010	35.554	TRUE	8.98E-09
FEV1	COL2A1	cg05342945	rs12228854	T	G	-0.205	0.028	0.218	4.66E-13	-0.017	0.003	9.38E-10	0.014	52.316	TRUE	4.18E-11
FEV1	COL2A1	cg05342945	rs2732439	C	A	0.136	0.024	0.452	9.49E-09	0.003	0.002	0.162	0.009	32.926	TRUE	2.62E-08
FEV1	COL2A1	cg05342945	rs6580647	A	C	0.305	0.032	0.167	2.06E-21	0.007	0.003	0.030	0.024	90.238	TRUE	3.26E-20
FEV1	COL2A1	cg10502244	rs11168450	A	G	0.140	0.024	0.377	9.00E-09	0.002	0.002	0.411	0.009	33.029	TRUE	1.78E-08
FEV1	COL2A1	cg10502244	rs12717995	C	T	-0.361	0.045	0.069	1.84E-15	0.013	0.004	0.003	0.017	63.192	TRUE	2.91E-14
FEV1	COL2A1	cg10502244	rs141415801	T	G	-0.470	0.084	0.020	1.85E-08	0.008	0.009	0.369	0.008	31.629	TRUE	3.72E-08
FEV1	COL2A1	cg10502244	rs74802509	A	G	0.277	0.045	0.075	5.37E-10	0.008	0.004	0.066	0.010	38.518	TRUE	2.07E-09
FEV1	COL2A1	cg12235144	rs6580649	T	C	-0.244	0.032	0.169	1.53E-14	0.007	0.003	0.018	0.016	59.022	TRUE	1.39E-13
FEV1	COL2A1	cg17342302	rs7132668	C	T	-0.252	0.032	0.170	1.86E-15	0.007	0.003	0.035	0.017	63.173	TRUE	1.54E-14
FEV1	COL2A1	cg18990042	rs3803184	G	C	0.284	0.033	0.167	2.22E-18	0.007	0.003	0.028	0.020	76.445	TRUE	2.61E-17
FEV1	COL2A1	cg19066141	rs1635528	C	T	0.342	0.032	0.170	9.89E-27	0.006	0.003	0.044	0.030	114.485	TRUE	2.47E-25
FEV1	COL2A1	cg19601035	rs10875722	G	T	0.142	0.025	0.387	8.62E-09	0.006	0.002	0.010	0.009	33.112	TRUE	4.37E-08
FEV1	COL2A1	cg24011408	rs117328080	T	C	0.345	0.054	0.094	2.19E-10	-0.006	0.004	0.136	0.011	40.269	TRUE	7.24E-10
FEV1	COL2A1	cg24011408	rs117938743	G	C	0.406	0.072	0.049	1.37E-08	0.013	0.006	0.017	0.009	32.206	TRUE	6.23E-08
FEV1	COL2A1	cg24011408	rs12717995	C	T	0.284	0.045	0.069	3.44E-10	0.013	0.004	0.003	0.011	39.387	TRUE	2.71E-09
FEV1	COL2A1	cg24011408	rs17614932	C	A	-0.307	0.046	0.070	1.43E-11	-0.020	0.005	1.53E-05	0.012	45.606	TRUE	3.20E-10
FEV1	COL2A1	cg24011408	rs1793959	T	C	-0.524	0.043	0.083	2.53E-34	0.005	0.004	0.275	0.039	149.169	TRUE	5.07E-33
FEV1	COL2A1	cg24011408	rs34392760	A	T	-0.314	0.053	0.047	3.70E-09	-0.009	0.005	0.079	0.009	34.759	TRUE	1.26E-08

FEV1	COL2A1	cg24011408	rs59027910	A	G	0.322	0.029	0.188	8.86E-28	0.000	0.003	0.948	0.031	119.267	TRUE	3.24E-27
FEV1	COL2A1	cg24011408	rs78730237	A	G	-0.365	0.046	0.074	1.23E-15	0.008	0.004	0.091	0.017	63.996	TRUE	7.48E-15
FEV1	COL2A1	cg24011408	rs79159228	A	C	-0.363	0.044	0.075	3.30E-16	0.008	0.004	0.062	0.018	66.579	TRUE	2.36E-15
FEV1	CPLX2	cg01235000	rs12521617	A	G	0.638	0.038	0.099	2.98E-63	-0.004	0.004	0.347	0.071	281.687	TRUE	1.60E-60
FEV1	CPLX2	cg01235000	rs2647	G	A	-0.161	0.025	0.330	1.01E-10	0.001	0.003	0.825	0.011	41.773	TRUE	1.57E-10
FEV1	CPLX2	cg01235000	rs4242187	T	C	0.152	0.025	0.337	6.77E-10	0.002	0.002	0.400	0.010	38.065	TRUE	1.45E-09
FEV1	CPLX2	cg01235000	rs6556253	A	G	1.061	0.059	0.046	9.74E-73	-0.014	0.006	0.031	0.081	325.207	TRUE	1.80E-68
FEV1	CPLX2	cg01235000	rs67877276	T	C	0.138	0.025	0.381	1.64E-08	-0.006	0.002	0.009	0.009	31.859	TRUE	8.39E-08
FEV1	CPLX2	cg01235000	rs6863932	A	G	-0.177	0.024	0.404	1.14E-13	-0.003	0.002	0.264	0.015	55.072	TRUE	3.87E-13
FEV1	CPLX2	cg01235000	rs6879889	C	T	0.972	0.097	0.029	8.28E-24	-0.003	0.007	0.654	0.027	101.155	TRUE	3.34E-23
FEV1	CPLX2	cg01235000	rs7443800	A	G	0.298	0.023	0.439	4.89E-37	-0.001	0.002	0.793	0.042	161.579	TRUE	4.68E-36
FEV1	CPLX2	cg01252455	rs7724670	A	G	0.400	0.059	0.046	1.57E-11	-0.012	0.006	0.046	0.012	45.425	TRUE	7.88E-11
FEV1	CPLX2	cg01284438	rs12521617	A	G	0.535	0.038	0.099	2.40E-44	-0.004	0.004	0.347	0.050	195.033	TRUE	1.14E-42
FEV1	CPLX2	cg01284438	rs17671074	A	G	0.521	0.052	0.067	4.66E-24	-0.008	0.005	0.108	0.027	102.293	TRUE	5.87E-23
FEV1	CPLX2	cg01284438	rs2647	G	A	-0.151	0.025	0.330	1.31E-09	0.001	0.003	0.825	0.010	36.782	TRUE	1.92E-09
FEV1	CPLX2	cg01284438	rs4242187	T	C	0.164	0.025	0.337	2.94E-11	0.002	0.002	0.400	0.012	44.196	TRUE	6.86E-11
FEV1	CPLX2	cg01284438	rs56405440	T	C	0.288	0.023	0.472	2.47E-35	-0.001	0.003	0.773	0.040	153.789	TRUE	2.10E-34
FEV1	CPLX2	cg01284438	rs56704553	T	A	0.444	0.046	0.067	1.02E-21	-0.001	0.005	0.844	0.024	91.628	TRUE	2.81E-21
FEV1	CPLX2	cg01284438	rs62402495	T	C	0.516	0.086	0.041	2.23E-09	0.001	0.007	0.903	0.010	35.747	TRUE	3.05E-09
FEV1	CPLX2	cg01284438	rs6863932	A	G	-0.156	0.024	0.404	6.54E-11	-0.003	0.002	0.264	0.011	42.629	TRUE	1.79E-10
FEV1	CPLX2	cg01938009	rs2647	G	A	-0.143	0.025	0.330	8.65E-09	0.001	0.003	0.825	0.009	33.105	TRUE	1.23E-08
FEV1	CPLX2	cg01938009	rs56405440	T	C	0.155	0.023	0.472	3.41E-11	-0.001	0.003	0.773	0.012	43.900	TRUE	5.58E-11
FEV1	CPLX2	cg01938009	rs72807216	T	C	0.307	0.047	0.069	5.62E-11	-0.008	0.004	0.074	0.011	42.926	TRUE	2.32E-10
FEV1	CPLX2	cg01938009	rs7446213	C	T	0.311	0.024	0.350	2.89E-37	-0.001	0.003	0.749	0.042	162.627	TRUE	3.07E-36
FEV1	CPLX2	cg01946364	rs11134941	T	G	-0.135	0.023	0.455	5.74E-09	0.005	0.002	0.034	0.009	33.904	TRUE	2.31E-08
FEV1	CPLX2	cg01946364	rs79281561	T	C	0.629	0.103	0.023	9.45E-10	0.000	0.008	0.965	0.010	37.416	TRUE	1.25E-09
FEV1	CPLX2	cg08570034	rs2545329	A	G	-0.245	0.024	0.438	2.60E-25	-0.001	0.002	0.804	0.028	108.004	TRUE	9.64E-25
FEV1	CPLX2	cg08670383	rs12521617	A	G	0.221	0.038	0.099	7.38E-09	-0.004	0.004	0.347	0.009	33.415	TRUE	1.55E-08
FEV1	CPLX2	cg09336320	rs2434237	A	C	-0.165	0.028	0.208	4.67E-09	0.004	0.003	0.167	0.009	34.303	TRUE	1.29E-08
FEV1	CPLX2	cg10312572	rs10463052	T	C	-0.141	0.024	0.451	2.84E-09	0.002	0.002	0.500	0.009	35.275	TRUE	5.28E-09
FEV1	CPLX2	cg10312572	rs890736	C	T	-0.170	0.028	0.206	2.01E-09	0.004	0.003	0.177	0.010	35.945	TRUE	5.62E-09
FEV1	CPLX2	cg10663557	rs12521617	A	G	0.307	0.038	0.099	1.29E-15	-0.004	0.004	0.347	0.017	63.899	TRUE	4.33E-15
FEV1	CPLX2	cg10663557	rs1643771	A	G	0.208	0.023	0.474	3.06E-19	0.000	0.002	0.950	0.021	80.356	TRUE	6.58E-19
FEV1	CPLX2	cg10663557	rs7724670	A	G	0.400	0.059	0.046	1.73E-11	-0.012	0.006	0.046	0.012	45.229	TRUE	8.67E-11
FEV1	CPLX2	cg11128983	rs1017306	G	A	0.489	0.033	0.132	9.12E-51	0.000	0.003	0.991	0.057	224.447	TRUE	2.50E-49
FEV1	CPLX2	cg11128983	rs11738108	C	T	0.533	0.082	0.040	6.84E-11	-0.004	0.007	0.549	0.011	42.541	TRUE	1.35E-10
FEV1	CPLX2	cg11128983	rs17671074	A	G	0.395	0.052	0.067	2.18E-14	-0.008	0.005	0.108	0.016	58.335	TRUE	1.11E-13
FEV1	CPLX2	cg11128983	rs182555517	T	G	0.560	0.099	0.017	1.47E-08	-0.009	0.009	0.342	0.009	32.081	TRUE	3.06E-08
FEV1	CPLX2	cg11128983	rs4868535	A	G	-0.364	0.035	0.137	7.00E-26	0.000	0.003	0.960	0.029	110.607	TRUE	2.23E-25
FEV1	CPLX2	cg11128983	rs4868635	A	G	0.137	0.024	0.417	1.59E-08	-0.006	0.002	0.011	0.009	31.928	TRUE	7.76E-08
FEV1	CPLX2	cg11128983	rs59092768	T	C	-0.253	0.039	0.098	8.23E-11	-0.003	0.004	0.552	0.011	42.180	TRUE	1.62E-10
FEV1	CPLX2	cg11128983	rs62387138	C	T	-0.428	0.033	0.145	5.64E-39	0.000	0.003	0.963	0.044	170.448	TRUE	5.11E-38

FEV1	CPLX2	cg11128983	rs6860661	G	C	0.822	0.021	0.359	<1E-200	-0.004	0.003	0.144	0.292	1527.693	TRUE	1.76E-291
FEV1	CPLX2	cg11128983	rs72823151	T	C	-0.386	0.042	0.087	4.34E-20	0.000	0.004	0.946	0.022	84.215	TRUE	9.70E-20
FEV1	CPLX2	cg11128983	rs75722727	T	C	0.444	0.064	0.069	2.93E-12	-0.007	0.005	0.169	0.013	48.708	TRUE	1.05E-11
FEV1	CPLX2	cg12578615	rs11134931	G	A	-0.216	0.024	0.382	6.19E-19	0.001	0.002	0.737	0.021	78.963	TRUE	1.62E-18
FEV1	CPLX2	cg12578615	rs11134942	A	G	0.252	0.023	0.450	2.77E-27	0.005	0.002	0.040	0.031	117.009	TRUE	7.09E-26
FEV1	CPLX2	cg12578615	rs56184102	A	C	-0.780	0.067	0.031	2.17E-31	0.002	0.006	0.740	0.035	135.762	TRUE	1.39E-30
FEV1	CPLX2	cg12578615	rs62387138	C	T	-0.869	0.031	0.145	5.95E-168	0.000	0.003	0.963	0.171	762.599	TRUE	4.86E-156
FEV1	CPLX2	cg15622912	rs11748001	A	G	0.141	0.025	0.317	2.52E-08	0.002	0.003	0.358	0.008	31.032	TRUE	5.08E-08
FEV1	CPLX2	cg15622912	rs2382120	C	G	-0.276	0.028	0.206	2.19E-22	0.004	0.003	0.162	0.025	94.675	TRUE	1.97E-21
FEV1	CPLX2	cg16105591	rs12521617	A	G	0.388	0.039	0.099	9.52E-24	-0.004	0.004	0.347	0.027	100.878	TRUE	6.01E-23
FEV1	CPLX2	cg16105591	rs17671074	A	G	0.397	0.052	0.067	1.61E-14	-0.008	0.005	0.108	0.016	58.929	TRUE	8.31E-14
FEV1	CPLX2	cg16105591	rs4868539	A	G	0.132	0.023	0.453	1.66E-08	0.004	0.002	0.066	0.009	31.840	TRUE	5.43E-08
FEV1	CPLX2	cg16105591	rs56211888	G	C	-0.173	0.030	0.196	5.02E-09	0.006	0.003	0.057	0.009	34.164	TRUE	1.80E-08
FEV1	CPLX2	cg16105591	rs7443800	A	G	0.274	0.023	0.439	2.03E-31	-0.001	0.002	0.793	0.035	135.890	TRUE	1.20E-30
FEV1	CPLX2	cg16460727	rs12521617	A	G	0.222	0.039	0.099	8.45E-09	-0.004	0.004	0.347	0.009	33.150	TRUE	1.77E-08
FEV1	CPLX2	cg19649083	rs11134941	T	G	-0.176	0.023	0.455	4.21E-14	0.005	0.002	0.034	0.015	57.038	TRUE	2.92E-13
FEV1	CPLX2	cg19649083	rs12521617	A	G	0.451	0.038	0.099	8.85E-32	-0.004	0.004	0.347	0.036	137.540	TRUE	1.14E-30
FEV1	CPLX2	cg19649083	rs369850362	G	A	0.976	0.059	0.046	7.99E-61	-0.012	0.006	0.046	0.068	270.552	TRUE	1.60E-57
FEV1	CPLX2	cg19649083	rs62389203	T	C	0.216	0.023	0.454	3.60E-20	-0.001	0.003	0.773	0.022	84.585	TRUE	9.70E-20
FEV1	CPLX2	cg19649083	rs6879889	C	T	0.823	0.097	0.029	2.42E-17	-0.003	0.007	0.654	0.019	71.727	TRUE	6.32E-17
FEV1	CPLX2	cg19649083	rs7727183	T	C	0.158	0.028	0.211	2.59E-08	0.003	0.003	0.223	0.008	30.972	TRUE	6.13E-08
FEV1	CPLX2	cg21753973	rs12521617	A	G	0.272	0.039	0.099	1.95E-12	-0.004	0.004	0.347	0.013	49.511	TRUE	5.23E-12
FEV1	CPLX2	cg21753973	rs56405440	T	C	0.185	0.023	0.472	2.21E-15	-0.001	0.003	0.773	0.017	62.839	TRUE	4.48E-15
FEV1	CPLX2	cg21753973	rs6556253	A	G	0.449	0.060	0.046	7.42E-14	-0.014	0.006	0.031	0.015	55.923	TRUE	5.35E-13
FEV1	CPLX2	cg22988198	rs10476184	T	C	-0.133	0.024	0.394	3.61E-08	0.001	0.002	0.657	0.008	30.330	TRUE	5.64E-08
FEV1	CPLX2	cg22988198	rs12520622	T	C	0.285	0.023	0.454	3.15E-34	-0.001	0.003	0.773	0.039	148.733	TRUE	2.43E-33
FEV1	CPLX2	cg22988198	rs12521617	A	G	0.508	0.038	0.099	3.42E-40	-0.004	0.004	0.347	0.045	176.018	TRUE	1.02E-38
FEV1	CPLX2	cg22988198	rs6863932	A	G	-0.196	0.024	0.404	2.21E-16	-0.003	0.002	0.264	0.018	67.365	TRUE	9.24E-16
FEV1	CPLX2	cg22988198	rs6879889	C	T	0.699	0.097	0.029	5.90E-13	-0.003	0.007	0.654	0.014	51.853	TRUE	1.18E-12
FEV1	CPLX2	cg22988198	rs7724670	A	G	0.846	0.059	0.046	7.53E-47	-0.012	0.006	0.046	0.053	206.502	TRUE	2.03E-44
FEV1	CPLX2	cg26121591	rs4867808	A	G	-0.156	0.024	0.363	4.27E-11	-0.004	0.002	0.105	0.012	43.465	TRUE	1.67E-10
FEV1	CPLX2	cg26121591	rs62387138	C	T	0.192	0.033	0.145	4.25E-09	0.000	0.003	0.963	0.009	34.489	TRUE	5.54E-09
FEV1	CPLX2	cg26303222	rs58156946	A	G	-0.326	0.044	0.084	1.50E-13	0.000	0.005	0.984	0.015	54.547	TRUE	2.29E-13
FEV1	CPLX2	cg26303222	rs9313730	G	A	0.133	0.023	0.467	8.44E-09	-0.005	0.002	0.031	0.009	33.152	TRUE	3.59E-08
FEV1	CRADD	cg09631880	rs118122405	A	G	-0.602	0.070	0.027	7.67E-18	0.001	0.007	0.887	0.020	73.997	TRUE	1.59E-17
FEV1	CRADD	cg09631880	rs12368895	T	C	0.215	0.032	0.156	1.60E-11	0.001	0.003	0.820	0.012	45.377	TRUE	2.56E-11
FEV1	CRADD	cg09631880	rs55700143	G	A	-0.238	0.027	0.253	6.28E-19	0.002	0.003	0.478	0.021	78.934	TRUE	2.25E-18
FEV1	CRADD	cg12133664	rs11107187	T	C	0.238	0.042	0.076	2.04E-08	0.002	0.004	0.734	0.008	31.440	TRUE	3.04E-08
FEV1	CRADD	cg12133664	rs11107204	A	T	-0.692	0.061	0.037	6.31E-30	-0.007	0.006	0.229	0.034	129.073	TRUE	9.19E-29
FEV1	CRADD	cg12133664	rs11107218	C	A	-0.473	0.059	0.035	9.70E-16	-0.004	0.006	0.465	0.017	64.455	TRUE	2.84E-15
FEV1	CRADD	cg12133664	rs112311229	T	C	0.346	0.063	0.033	4.94E-08	0.001	0.007	0.936	0.008	29.723	TRUE	6.25E-08
FEV1	CRADD	cg12133664	rs11832823	A	G	0.327	0.024	0.389	2.02E-42	-0.002	0.002	0.518	0.048	186.224	TRUE	5.53E-41

FEV1	CRADD	cg12133664	rs1389502	C	T	0.294	0.023	0.472	1.81E-36	0.000	0.002	0.941	0.041	158.983	TRUE	1.35E-35
FEV1	CRADD	cg12133664	rs1843533	G	A	0.331	0.032	0.158	2.77E-25	0.005	0.003	0.105	0.028	107.885	TRUE	3.89E-24
FEV1	CRADD	cg12133664	rs3847788	G	A	-0.600	0.089	0.035	1.98E-11	-0.011	0.007	0.090	0.012	44.968	TRUE	8.10E-11
FEV1	CRADD	cg12133664	rs3926587	C	T	0.208	0.023	0.444	5.60E-19	0.009	0.002	1.18E-04	0.021	79.162	TRUE	2.65E-17
FEV1	CRADD	cg12133664	rs60318766	A	G	0.540	0.056	0.045	1.15E-21	0.001	0.006	0.874	0.024	91.392	TRUE	3.04E-21
FEV1	CRADD	cg12133664	rs7133670	G	C	-0.840	0.022	0.318	<1E-200	-0.001	0.003	0.755	0.291	1516.274	TRUE	3.09E-291
FEV1	CRADD	cg13102120	rs11107144	C	T	-1.213	0.064	0.038	1.18E-80	0.009	0.006	0.165	0.089	361.534	TRUE	2.26E-76
FEV1	CRADD	cg20665967	rs111947476	T	C	-0.418	0.065	0.026	1.22E-10	-0.003	0.007	0.631	0.011	41.408	TRUE	2.19E-10
FEV1	CRADD	cg20665967	rs116105851	C	G	-0.708	0.105	0.021	1.84E-11	0.018	0.031	0.563	0.012	45.112	TRUE	3.69E-11
FEV1	CRADD	cg20665967	rs118122405	A	G	-1.687	0.068	0.027	1.15E-137	0.001	0.007	0.887	0.144	623.409	TRUE	3.02E-129
FEV1	CRADD	cg20665967	rs12318214	A	G	-0.385	0.066	0.026	5.32E-09	0.006	0.007	0.386	0.009	34.051	TRUE	1.10E-08
FEV1	CRADD	cg20665967	rs1485889	G	A	-0.161	0.026	0.298	4.03E-10	0.001	0.003	0.578	0.010	39.076	TRUE	7.41E-10
FEV1	CRADD	cg20665967	rs55700143	G	A	-0.161	0.027	0.253	1.69E-09	0.002	0.003	0.478	0.010	36.280	TRUE	3.26E-09
FEV1	CRADD	cg20665967	rs57303653	A	G	-0.293	0.029	0.209	1.66E-24	0.001	0.003	0.746	0.027	104.340	TRUE	6.15E-24
FEV1	CRADD	cg20665967	rs7305941	T	A	-0.269	0.040	0.175	2.35E-11	0.001	0.003	0.697	0.012	44.632	TRUE	4.14E-11
FEV1	CRADD	cg20922821	rs12228884	T	C	-1.004	0.064	0.039	7.97E-56	0.009	0.006	0.166	0.063	247.632	TRUE	3.10E-53
FEV1	CRADD	cg21004565	rs12228884	T	C	-1.207	0.063	0.039	3.85E-81	0.009	0.006	0.166	0.090	363.770	TRUE	8.03E-77
FEV1	CRADD	cg23535137	rs12831838	A	C	0.187	0.023	0.446	3.32E-16	0.009	0.002	8.90E-05	0.018	66.565	TRUE	1.12E-14
FEV1	CS	cg22775789	rs34457402	C	A	0.746	0.109	0.024	6.81E-12	0.000	0.008	0.957	0.013	47.055	TRUE	9.89E-12
FEV1	CS	cg22979422	rs34026747	A	G	-0.475	0.076	0.056	5.05E-10	-0.008	0.005	0.130	0.010	38.635	TRUE	1.63E-09
FEV1	CS	cg22979422	rs34457402	C	A	0.703	0.109	0.024	1.09E-10	0.000	0.008	0.957	0.011	41.634	TRUE	1.50E-10
FEV1	CS	cg24498746	rs143999261	A	G	-0.412	0.071	0.024	6.42E-09	0.004	0.008	0.634	0.009	33.685	TRUE	1.05E-08
FEV1	CS	cg24498746	rs60542959	T	G	-0.478	0.047	0.070	9.96E-25	0.016	0.005	9.55E-04	0.028	105.347	TRUE	6.72E-23
FEV1	CS	cg26714650	rs12232026	A	T	-0.388	0.034	0.114	1.84E-29	0.006	0.004	0.106	0.033	126.946	TRUE	4.05E-28
FEV1	CS	cg26714650	rs143999261	A	G	-0.883	0.069	0.024	3.83E-37	0.004	0.008	0.634	0.042	162.067	TRUE	4.88E-36
FEV1	CS	cg26714650	rs190923413	A	G	-0.994	0.120	0.018	1.48E-16	0.002	0.013	0.892	0.018	68.159	TRUE	2.87E-16
FEV1	CS	cg26714650	rs2066808	G	A	-1.396	0.043	0.071	4.50E-236	0.016	0.005	7.70E-04	0.225	1075.795	TRUE	7.61E-210
FEV1	CS	cg26714650	rs2638320	T	G	-0.144	0.023	0.469	5.55E-10	0.002	0.002	0.442	0.010	38.454	TRUE	1.16E-09
FEV1	CS	cg26714650	rs73121266	A	T	-0.305	0.049	0.124	3.55E-10	0.000	0.004	0.953	0.011	39.324	TRUE	4.81E-10
FEV1	CS	cg26714650	rs78188443	T	C	-1.238	0.149	0.013	1.12E-16	0.008	0.011	0.439	0.018	68.714	TRUE	3.63E-16
FEV1	CS	cg26714650	rs941207	G	C	-0.159	0.026	0.268	7.02E-10	-0.005	0.003	0.042	0.010	37.994	TRUE	3.11E-09
FEV1	CS	cg26734620	rs12232026	A	T	0.208	0.035	0.114	2.12E-09	0.006	0.004	0.106	0.010	35.840	TRUE	6.92E-09
FEV1	CS	cg26734620	rs1274490	A	G	0.560	0.045	0.071	3.63E-35	0.016	0.005	6.72E-04	0.040	153.026	TRUE	1.19E-32
FEV1	CS	cg26734620	rs60169753	T	G	0.458	0.072	0.050	1.63E-10	0.005	0.005	0.369	0.011	40.850	TRUE	3.77E-10
FEV1	CSF2	cg08324925	rs11950815	A	G	0.217	0.024	0.370	4.49E-19	-0.009	0.003	1.26E-04	0.021	79.598	TRUE	2.10E-17
FEV1	CSF2	cg08324925	rs1291602	T	C	-0.201	0.033	0.157	1.19E-09	0.004	0.003	0.272	0.010	36.972	TRUE	2.90E-09
FEV1	CSF2	cg08324925	rs31467	T	C	0.384	0.023	0.489	3.73E-60	-0.003	0.002	0.175	0.067	267.484	TRUE	2.65E-57
FEV1	CSF2	cg08324925	rs77335401	C	T	-0.318	0.037	0.121	4.23E-18	-0.019	0.004	2.55E-07	0.020	75.170	TRUE	5.13E-16
FEV1	CSF2	cg13259290	rs1030271	G	C	0.156	0.024	0.351	1.26E-10	-0.009	0.002	1.00E-04	0.011	41.355	TRUE	1.81E-09
FEV1	CSF2	cg13259290	rs31467	T	C	0.215	0.024	0.489	8.91E-20	-0.003	0.002	0.175	0.022	82.794	TRUE	6.14E-19
FEV1	CSF2	cg16465129	rs17674015	A	C	0.215	0.024	0.367	1.29E-19	-0.011	0.002	3.45E-06	0.022	82.060	TRUE	1.43E-17
FEV1	CSF2	cg16465129	rs283753	C	T	-0.188	0.033	0.144	1.34E-08	0.002	0.003	0.595	0.009	32.248	TRUE	2.23E-08

FEV1	CSF2	cg16565692	rs3864277	A	G	0.238	0.023	0.433	1.45E-24	-0.011	0.002	2.05E-06	0.028	104.601	TRUE	3.62E-22
FEV1	CSF2	cg26369418	rs31467	T	C	0.147	0.024	0.489	6.49E-10	-0.003	0.002	0.175	0.010	38.149	TRUE	1.93E-09
FEV1	CSNK2A1	cg07511836	rs459710	C	T	0.469	0.024	0.367	6.58E-83	-0.006	0.002	0.023	0.091	371.881	TRUE	9.37E-78
FEV1	CSNK2A1	cg07511836	rs6107302	G	A	0.142	0.026	0.319	3.13E-08	0.000	0.003	0.989	0.008	30.608	TRUE	3.82E-08
FEV1	CSNK2A1	cg07789225	rs157816	T	C	0.139	0.025	0.350	2.44E-08	-0.005	0.002	0.035	0.008	31.089	TRUE	9.38E-08
FEV1	CSNK2A1	cg23481873	rs189975	T	C	0.175	0.026	0.288	2.43E-11	-0.006	0.003	0.028	0.012	44.564	TRUE	1.35E-10
FEV1	CSNK2A1	cg26292976	rs459710	C	T	0.240	0.024	0.367	7.60E-23	-0.006	0.002	0.023	0.025	96.767	TRUE	1.59E-21
FEV1	CSNK2A2	cg06640533	rs113103741	C	G	0.345	0.044	0.073	5.08E-15	0.010	0.004	0.018	0.016	61.197	TRUE	4.76E-14
FEV1	CSNK2A2	cg06640533	rs2550339	T	C	-0.227	0.041	0.084	3.76E-08	-0.010	0.004	0.013	0.008	30.251	TRUE	1.73E-07
FEV1	CSNK2A2	cg06640533	rs9931166	A	G	-0.181	0.026	0.263	3.61E-12	-0.004	0.003	0.118	0.013	48.301	TRUE	1.47E-11
FEV1	CSNK2A2	cg07377098	rs112480836	A	C	-0.349	0.045	0.072	4.70E-15	0.010	0.004	0.018	0.016	61.348	TRUE	4.42E-14
FEV1	CSNK2A2	cg15508020	rs1875525	T	C	0.253	0.044	0.072	1.06E-08	0.011	0.004	0.015	0.009	32.711	TRUE	5.00E-08
FEV1	CSNK2A2	cg27339474	rs193867	C	T	0.145	0.024	0.442	9.67E-10	0.003	0.002	0.253	0.010	37.370	TRUE	2.50E-09
FEV1	CTSC	cg03596479	rs217064	C	T	0.298	0.026	0.249	1.86E-29	0.001	0.003	0.743	0.033	126.927	TRUE	1.03E-28
FEV1	CTSC	cg03596479	rs591250	A	G	0.202	0.036	0.112	1.77E-08	0.003	0.004	0.429	0.009	31.716	TRUE	3.36E-08
FEV1	CTSC	cg03596479	rs7935915	A	G	0.175	0.026	0.272	2.09E-11	-0.001	0.003	0.701	0.012	44.865	TRUE	3.68E-11
FEV1	CTSC	cg15571376	rs3758833	A	G	0.202	0.031	0.182	4.38E-11	-0.002	0.003	0.436	0.012	43.412	TRUE	9.91E-11
FEV1	CTSC	cg15581365	rs1451615	T	C	-0.359	0.062	0.034	6.78E-09	0.014	0.006	0.019	0.009	33.580	TRUE	3.11E-08
FEV1	CTSC	cg16118839	rs11607237	A	G	0.302	0.041	0.096	1.69E-13	0.002	0.004	0.673	0.014	54.302	TRUE	3.45E-13
FEV1	CTSC	cg16118839	rs17812238	C	T	-0.239	0.023	0.426	1.06E-24	-0.001	0.002	0.602	0.028	105.226	TRUE	4.79E-24
FEV1	CTSC	cg16118839	rs3758833	A	G	0.529	0.030	0.182	1.78E-67	-0.002	0.003	0.436	0.075	301.065	TRUE	1.45E-64
FEV1	CTSC	cg16118839	rs555403	T	C	-0.231	0.029	0.194	1.20E-15	-0.003	0.003	0.336	0.017	64.031	TRUE	4.20E-15
FEV1	CTSC	cg16118839	rs74461528	C	T	0.342	0.053	0.053	1.54E-10	0.005	0.006	0.356	0.011	40.949	TRUE	3.65E-10
FEV1	CTSC	cg16118839	rs79403635	G	C	0.485	0.066	0.032	3.03E-13	-0.010	0.006	0.134	0.014	53.159	TRUE	1.29E-12
FEV1	CTSF	cg03423112	rs607736	A	G	-0.146	0.025	0.294	4.71E-09	-0.008	0.003	0.001	0.009	34.286	TRUE	3.60E-08
FEV1	CTSF	cg05087948	rs372990781	C	G	-0.284	0.031	0.169	3.92E-20	0.019	0.003	2.47E-09	0.022	84.415	TRUE	1.36E-17
FEV1	CTSF	cg06817264	rs150863712	T	C	-0.346	0.049	0.066	1.22E-12	0.006	0.005	0.176	0.013	50.426	TRUE	4.46E-12
FEV1	CTSF	cg06817264	rs192262095	G	A	-0.395	0.071	0.033	3.10E-08	0.020	0.006	0.001	0.008	30.627	TRUE	2.03E-07
FEV1	CTSF	cg06817264	rs34629385	A	G	0.320	0.050	0.054	1.70E-10	-0.001	0.006	0.920	0.011	40.764	TRUE	2.39E-10
FEV1	CTSF	cg06817264	rs490972	A	G	0.132	0.024	0.456	2.13E-08	-0.005	0.002	0.043	0.008	31.354	TRUE	7.71E-08
FEV1	CTSF	cg06817264	rs55969935	T	C	-0.426	0.039	0.097	2.98E-27	0.017	0.004	4.80E-05	0.031	116.862	TRUE	6.11E-25
FEV1	CTSF	cg06817264	rs615205	C	T	0.482	0.023	0.461	3.97E-100	-0.001	0.002	0.776	0.109	450.948	TRUE	3.47E-95
FEV1	CTSF	cg06817264	rs72923011	C	A	0.307	0.051	0.056	1.20E-09	0.011	0.005	0.030	0.010	36.947	TRUE	5.44E-09
FEV1	CTSF	cg06817264	rs74491182	T	C	-0.344	0.046	0.076	6.10E-14	-0.010	0.005	0.023	0.015	56.308	TRUE	4.73E-13
FEV1	CTSF	cg14778137	rs509556	A	G	0.131	0.023	0.460	1.38E-08	-0.001	0.002	0.640	0.009	32.202	TRUE	2.20E-08
FEV1	CTSF	cg19255818	rs11824771	C	T	0.267	0.027	0.240	1.42E-22	0.010	0.003	2.27E-04	0.025	95.534	TRUE	1.07E-20
FEV1	CTSF	cg23230554	rs1625595	T	C	0.136	0.023	0.456	5.38E-09	-0.005	0.002	0.030	0.009	34.028	TRUE	2.34E-08
FEV1	CTSF	cg23230554	rs17495838	C	T	-0.279	0.027	0.237	4.96E-25	0.010	0.003	3.21E-04	0.028	106.727	TRUE	4.96E-23
FEV1	CTSF	cg23230554	rs2242663	C	T	0.305	0.026	0.238	1.37E-30	-0.009	0.003	7.99E-04	0.034	132.110	TRUE	2.28E-28
FEV1	CTSF	cg23230554	rs79179961	C	T	-0.378	0.065	0.031	5.36E-09	0.013	0.006	0.032	0.009	34.035	TRUE	2.27E-08
FEV1	CTSF	cg23669043	rs11607327	A	G	-0.216	0.035	0.134	8.31E-10	0.011	0.004	0.002	0.010	37.667	TRUE	6.52E-09
FEV1	CTSF	cg23669043	rs117126977	G	A	-0.609	0.105	0.015	6.28E-09	0.023	0.010	0.024	0.009	33.727	TRUE	2.78E-08

FEV1	CTSF	cg23669043	rs117649561	A	G	-0.475	0.082	0.024	6.54E-09	-0.005	0.008	0.562	0.009	33.649	TRUE	1.13E-08
FEV1	CTSF	cg23669043	rs117827012	T	C	-0.399	0.043	0.080	9.35E-21	0.010	0.004	0.012	0.023	87.247	TRUE	1.88E-19
FEV1	CTSF	cg23669043	rs12807979	C	A	0.230	0.039	0.092	4.69E-09	0.000	0.004	0.965	0.009	34.296	TRUE	6.07E-09
FEV1	CTSF	cg23669043	rs150633715	C	G	-0.665	0.093	0.016	9.29E-13	0.013	0.009	0.115	0.014	50.961	TRUE	3.98E-12
FEV1	CTSF	cg23669043	rs1892939	A	G	-0.153	0.024	0.488	1.15E-10	0.000	0.002	0.882	0.011	41.520	TRUE	1.67E-10
FEV1	CTSF	cg23669043	rs192262095	G	A	-0.616	0.071	0.033	4.74E-18	0.020	0.006	0.001	0.020	74.944	TRUE	1.20E-16
FEV1	CTSF	cg23669043	rs4576	G	A	-0.682	0.026	0.246	8.71E-150	0.010	0.003	1.18E-04	0.155	679.103	TRUE	3.90E-136
FEV1	CTSF	cg23669043	rs7104965	A	G	-0.325	0.054	0.049	1.64E-09	0.000	0.005	0.982	0.010	36.341	TRUE	2.12E-09
FEV1	CTSF	cg23669043	rs77310563	T	C	-0.559	0.080	0.023	2.13E-12	0.016	0.008	0.034	0.013	49.332	TRUE	1.28E-11
FEV1	CTSF	cg24808318	rs11227485	T	C	-0.142	0.025	0.287	2.59E-08	-0.006	0.003	0.021	0.008	30.976	TRUE	1.09E-07
FEV1	CTSF	cg24808318	rs677488	C	T	0.228	0.023	0.461	6.61E-23	-0.001	0.002	0.695	0.026	97.042	TRUE	2.33E-22
FEV1	CTSF	cg24987259	rs662094	A	G	-0.254	0.023	0.494	1.03E-27	0.003	0.002	0.232	0.031	118.972	TRUE	1.24E-26
FEV1	CTSF	cg24987259	rs77600363	T	G	-0.237	0.028	0.229	6.93E-18	0.015	0.003	1.63E-07	0.020	74.197	TRUE	8.34E-16
FEV1	CTSK	cg20802392	rs10888585	T	G	-0.183	0.029	0.212	1.44E-10	0.003	0.003	0.260	0.011	41.081	TRUE	3.90E-10
FEV1	CTSK	cg20802392	rs2039590	G	A	0.283	0.023	0.449	4.44E-34	0.017	0.002	2.83E-13	0.038	148.050	TRUE	1.10E-29
FEV1	CTSK	cg20802392	rs75067938	C	G	0.211	0.038	0.098	2.05E-08	0.018	0.004	1.37E-06	0.008	31.428	TRUE	3.29E-07
FEV1	CTSK	cg20817941	rs2089081	T	C	0.296	0.023	0.449	7.22E-37	0.017	0.002	2.64E-13	0.042	160.807	TRUE	3.24E-32
FEV1	CTSK	cg20817941	rs6698291	G	T	-0.192	0.029	0.212	1.88E-11	0.003	0.003	0.260	0.012	45.069	TRUE	5.42E-11
FEV1	CTSK	cg20817941	rs75067938	C	G	0.237	0.038	0.098	3.20E-10	0.018	0.004	1.37E-06	0.011	39.525	TRUE	7.44E-09
FEV1	CTSS	cg15900387	rs34002273	G	A	0.165	0.023	0.451	1.01E-12	0.017	0.002	3.08E-13	0.014	50.805	TRUE	1.93E-10
FEV1	CTSS	cg26891210	rs1040008	G	A	0.333	0.038	0.097	1.46E-18	0.027	0.004	7.47E-13	0.020	77.276	TRUE	9.24E-16
FEV1	CTSS	cg26891210	rs10888585	T	G	-0.241	0.029	0.212	3.37E-17	0.003	0.003	0.260	0.019	71.077	TRUE	1.52E-16
FEV1	CTSS	cg26891210	rs11584388	T	G	0.178	0.032	0.156	2.66E-08	-0.003	0.003	0.349	0.008	30.927	TRUE	5.40E-08
FEV1	CTSS	cg26891210	rs17564336	T	G	-0.142	0.025	0.323	1.78E-08	0.001	0.003	0.859	0.008	31.702	TRUE	2.45E-08
FEV1	CTSS	cg26891210	rs1811698	T	C	-0.244	0.038	0.101	1.40E-10	0.008	0.004	0.037	0.011	41.142	TRUE	6.68E-10
FEV1	CTSS	cg26891210	rs184026197	A	G	0.411	0.044	0.078	5.72E-21	0.009	0.005	0.053	0.023	88.220	TRUE	7.09E-20
FEV1	CTSS	cg26891210	rs35550545	A	G	-0.291	0.041	0.091	6.82E-13	0.004	0.004	0.273	0.014	51.566	TRUE	2.10E-12
FEV1	CTSS	cg26891210	rs3738479	A	T	-0.208	0.028	0.222	4.30E-14	0.002	0.003	0.588	0.015	56.997	TRUE	9.80E-14
FEV1	CTSS	cg26891210	rs3811405	A	G	0.307	0.030	0.181	7.02E-25	0.014	0.003	9.02E-06	0.028	106.040	TRUE	1.52E-22
FEV1	CTSS	cg26891210	rs56661631	T	C	-0.265	0.025	0.333	7.43E-27	-0.015	0.003	1.59E-09	0.030	115.052	TRUE	9.49E-24
FEV1	CTSS	cg26891210	rs6657461	T	A	0.234	0.029	0.203	1.16E-15	0.002	0.003	0.468	0.017	64.103	TRUE	3.37E-15
FEV1	CTSS	cg26891210	rs72704603	T	C	0.660	0.022	0.382	4.13E-206	0.016	0.002	1.30E-11	0.202	938.024	TRUE	7.54E-181
FEV1	CTTN	cg02011981	rs12808511	G	A	0.155	0.027	0.243	1.68E-08	-0.009	0.003	6.87E-04	0.009	31.814	TRUE	1.32E-07
FEV1	CTTN	cg02848448	rs10793121	C	T	-0.149	0.025	0.343	1.97E-09	-0.002	0.003	0.377	0.010	35.982	TRUE	4.19E-09
FEV1	CTTN	cg02848448	rs145682166	G	A	0.817	0.084	0.017	1.66E-22	-0.004	0.009	0.673	0.025	95.224	TRUE	5.91E-22
FEV1	CTTN	cg02848448	rs1940236	T	C	0.231	0.038	0.112	8.54E-10	-0.008	0.004	0.032	0.010	37.613	TRUE	3.88E-09
FEV1	CTTN	cg05226335	rs11602439	A	G	-0.462	0.039	0.105	2.51E-32	0.002	0.004	0.562	0.036	140.043	TRUE	2.31E-31
FEV1	CTTN	cg05226335	rs12800676	A	C	0.830	0.020	0.454	<1E-200	-0.008	0.002	5.98E-04	0.323	1765.546	TRUE	<1E-200
FEV1	CTTN	cg05226335	rs143873972	A	T	0.227	0.035	0.284	1.24E-10	0.002	0.003	0.364	0.011	41.382	TRUE	2.86E-10
FEV1	CTTN	cg05226335	rs147959065	G	A	0.810	0.146	0.017	2.88E-08	0.011	0.009	0.260	0.008	30.769	TRUE	6.47E-08
FEV1	CTTN	cg05226335	rs1876	C	T	0.273	0.039	0.097	2.48E-12	-0.004	0.004	0.333	0.013	49.031	TRUE	6.85E-12
FEV1	CTTN	cg05226335	rs34199493	T	C	-0.209	0.024	0.445	3.91E-18	-0.002	0.002	0.350	0.020	75.324	TRUE	1.58E-17

FEV1	CTTN	cg05226335	rs35354974	G	A	0.506	0.035	0.146	2.30E-46	-0.002	0.003	0.508	0.052	204.284	TRUE	9.70E-45
FEV1	CTTN	cg05226335	rs3781658	A	G	-0.145	0.024	0.424	1.28E-09	-0.005	0.002	0.059	0.010	36.822	TRUE	4.91E-09
FEV1	CTTN	cg05226335	rs556615	G	C	0.230	0.026	0.256	3.06E-18	-0.002	0.003	0.372	0.020	75.812	TRUE	1.22E-17
FEV1	CTTN	cg05226335	rs61887408	A	G	0.589	0.080	0.021	2.32E-13	0.001	0.008	0.900	0.014	53.688	TRUE	3.80E-13
FEV1	CTTN	cg05226335	rs77584792	T	C	0.997	0.114	0.027	2.13E-18	-0.007	0.007	0.312	0.020	76.525	TRUE	9.51E-18
FEV1	CTTN	cg05226335	rs7940864	T	C	-0.201	0.026	0.294	7.47E-15	0.005	0.003	0.056	0.016	60.436	TRUE	4.84E-14
FEV1	CTTN	cg07005180	rs12802229	A	G	0.186	0.028	0.221	4.18E-11	-0.009	0.003	0.001	0.012	43.502	TRUE	4.24E-10
FEV1	CTTN	cg09869226	rs3132424	G	T	0.347	0.023	0.447	1.45E-50	-0.008	0.002	7.74E-04	0.057	223.522	TRUE	3.92E-47
FEV1	CTTN	cg10395806	rs10793121	C	T	-0.180	0.025	0.343	3.71E-13	-0.002	0.003	0.377	0.014	52.762	TRUE	1.02E-12
FEV1	CTTN	cg11194613	rs10793121	C	T	-0.170	0.025	0.343	6.97E-12	-0.002	0.003	0.377	0.013	47.010	TRUE	1.75E-11
FEV1	CTTN	cg11194613	rs544083581	G	T	-0.419	0.068	0.031	5.61E-10	0.000	0.007	0.966	0.010	38.430	TRUE	7.51E-10
FEV1	CTTN	cg12127706	rs117711190	C	T	0.383	0.068	0.031	1.48E-08	-0.003	0.007	0.679	0.009	32.056	TRUE	2.30E-08
FEV1	CTTN	cg12127706	rs12800598	G	T	-0.732	0.024	0.298	1.44E-202	-0.006	0.003	0.027	0.199	921.741	TRUE	2.47E-183
FEV1	CTTN	cg12127706	rs1876	C	T	-0.260	0.039	0.097	2.57E-11	-0.004	0.004	0.333	0.012	44.454	TRUE	6.60E-11
FEV1	CTTN	cg12127706	rs2186797	C	T	0.292	0.045	0.074	1.25E-10	0.014	0.005	0.002	0.011	41.366	TRUE	1.07E-09
FEV1	CTTN	cg12127706	rs34199493	T	C	0.171	0.024	0.445	1.18E-12	-0.002	0.002	0.350	0.013	50.485	TRUE	3.21E-12
FEV1	CTTN	cg12127706	rs35512487	T	C	-0.353	0.028	0.216	1.17E-35	-0.001	0.003	0.674	0.040	155.269	TRUE	1.22E-34
FEV1	CTTN	cg12127706	rs61887408	A	G	-0.562	0.081	0.021	2.95E-12	0.001	0.008	0.900	0.013	48.695	TRUE	4.59E-12
FEV1	CTTN	cg12127706	rs74493812	G	C	-0.290	0.051	0.054	1.32E-08	0.000	0.005	0.945	0.009	32.279	TRUE	1.70E-08
FEV1	CTTN	cg12127706	rs74685551	T	C	0.678	0.119	0.022	1.30E-08	0.009	0.008	0.265	0.009	32.308	TRUE	2.97E-08
FEV1	CTTN	cg12127706	rs77584792	T	C	-0.685	0.115	0.027	2.46E-09	-0.007	0.007	0.312	0.010	35.555	TRUE	5.61E-09
FEV1	CTTN	cg12127706	rs7940864	T	C	0.193	0.026	0.294	9.80E-14	0.005	0.003	0.056	0.015	55.377	TRUE	5.69E-13
FEV1	CTTN	cg12127706	rs7943389	C	T	0.226	0.033	0.146	4.42E-12	0.005	0.003	0.104	0.013	47.904	TRUE	1.84E-11
FEV1	CTTN	cg13414679	rs11236166	C	T	-0.195	0.028	0.230	4.39E-12	-0.010	0.003	7.13E-04	0.013	47.917	TRUE	5.75E-11
FEV1	CTTN	cg13414679	rs12283131	G	A	-0.250	0.025	0.339	4.54E-24	-0.006	0.003	0.026	0.027	102.345	TRUE	9.96E-23
FEV1	CTTN	cg13802316	rs11236302	T	C	0.558	0.035	0.146	7.47E-56	-0.002	0.003	0.488	0.063	247.763	TRUE	1.03E-53
FEV1	CTTN	cg13802316	rs147959065	G	A	0.806	0.146	0.017	3.32E-08	0.011	0.009	0.260	0.008	30.493	TRUE	7.43E-08
FEV1	CTTN	cg13802316	rs1876	C	T	0.279	0.039	0.097	7.64E-13	-0.004	0.004	0.333	0.014	51.344	TRUE	2.19E-12
FEV1	CTTN	cg13802316	rs2186797	C	T	-0.254	0.045	0.074	2.36E-08	0.014	0.005	0.002	0.008	31.153	TRUE	1.47E-07
FEV1	CTTN	cg13802316	rs34199493	T	C	-0.204	0.024	0.445	2.56E-17	-0.002	0.002	0.350	0.019	71.621	TRUE	9.71E-17
FEV1	CTTN	cg13802316	rs525595	A	C	0.349	0.028	0.228	3.02E-35	-0.009	0.003	0.002	0.040	153.388	TRUE	7.39E-33
FEV1	CTTN	cg13802316	rs555745	G	T	0.227	0.026	0.256	4.67E-18	-0.002	0.003	0.371	0.020	74.975	TRUE	1.83E-17
FEV1	CTTN	cg13802316	rs670012	G	T	0.812	0.021	0.340	<1E-200	-0.005	0.003	0.035	0.279	1429.041	TRUE	1.13E-273
FEV1	CTTN	cg13802316	rs77584792	T	C	0.955	0.114	0.027	5.56E-17	-0.007	0.007	0.312	0.019	70.091	TRUE	2.22E-16
FEV1	CTTN	cg13802316	rs7940864	T	C	-0.172	0.026	0.294	2.73E-11	0.005	0.003	0.056	0.012	44.337	TRUE	1.25E-10
FEV1	CTTN	cg13802316	rs7943389	C	T	-0.458	0.032	0.146	1.24E-45	0.005	0.003	0.104	0.052	200.930	TRUE	1.73E-43
FEV1	CTTN	cg14191688	rs12795250	C	T	0.356	0.028	0.221	3.62E-36	-0.009	0.003	0.002	0.041	157.603	TRUE	1.01E-33
FEV1	CTTN	cg15465439	rs4523719	G	A	0.188	0.032	0.487	7.70E-09	0.000	0.002	0.918	0.009	33.332	TRUE	1.01E-08
FEV1	CTTN	cg15465439	rs7944627	C	A	0.440	0.028	0.226	3.97E-56	-0.010	0.003	4.97E-04	0.063	249.023	TRUE	3.54E-52
FEV1	CTTN	cg16061668	rs12801468	A	G	0.255	0.029	0.215	8.20E-19	-0.010	0.003	7.64E-04	0.021	78.408	TRUE	2.55E-17
FEV1	CTTN	cg16629523	rs11236048	G	A	-0.290	0.028	0.218	2.17E-24	-0.001	0.003	0.639	0.027	103.809	TRUE	9.26E-24
FEV1	CTTN	cg16629523	rs12800598	G	T	-0.662	0.024	0.298	1.04E-161	-0.006	0.003	0.027	0.166	733.900	TRUE	2.86E-148

FEV1	CTTN	cg16629523	rs1876	C	T	-0.224	0.039	0.097	9.89E-09	-0.004	0.004	0.333	0.009	32.845	TRUE	2.11E-08
FEV1	CTTN	cg16629523	rs2186797	C	T	0.253	0.045	0.074	2.73E-08	0.014	0.005	0.002	0.008	30.876	TRUE	1.68E-07
FEV1	CTTN	cg16629523	rs2509140	A	C	0.135	0.024	0.451	2.01E-08	-0.002	0.002	0.360	0.008	31.467	TRUE	4.08E-08
FEV1	CTTN	cg16629523	rs61887408	A	G	-0.503	0.081	0.021	4.20E-10	0.001	0.008	0.900	0.010	38.994	TRUE	5.95E-10
FEV1	CTTN	cg16629523	rs74685551	T	C	0.683	0.119	0.022	9.70E-09	0.009	0.008	0.265	0.009	32.883	TRUE	2.23E-08
FEV1	CTTN	cg16629523	rs7940864	T	C	0.160	0.026	0.294	6.98E-10	0.005	0.003	0.056	0.010	38.007	TRUE	2.76E-09
FEV1	CTTN	cg16629523	rs7943389	C	T	0.192	0.033	0.146	4.25E-09	0.005	0.003	0.104	0.009	34.489	TRUE	1.34E-08
FEV1	CTTN	cg17631184	rs34053053	T	C	-0.200	0.034	0.141	6.54E-09	-0.008	0.003	0.022	0.009	33.648	TRUE	2.89E-08
FEV1	CTTN	cg22720428	rs4570606	C	T	0.152	0.028	0.244	3.71E-08	-0.009	0.003	7.10E-04	0.008	30.278	TRUE	2.70E-07
FEV1	CTTN	cg24395117	rs4367974	T	C	0.207	0.034	0.153	8.66E-10	-0.008	0.003	0.020	0.010	37.584	TRUE	4.31E-09
FEV1	CTTN	cg25587405	rs12801756	G	A	0.153	0.027	0.245	1.53E-08	-0.009	0.003	7.18E-04	0.009	32.003	TRUE	1.18E-07
FEV1	CTTN	cg27326318	rs2298396	T	C	0.252	0.028	0.225	6.64E-19	-0.010	0.003	4.07E-04	0.021	78.824	TRUE	2.59E-17
FEV1	CUL2	cg08905399	rs112403518	T	A	0.443	0.030	0.173	1.27E-48	0.008	0.003	0.013	0.055	214.621	TRUE	8.65E-46
FEV1	CUL2	cg08905399	rs12254043	T	C	0.229	0.027	0.264	9.63E-18	-0.002	0.003	0.372	0.019	73.546	TRUE	3.69E-17
FEV1	CUL2	cg08905399	rs142022049	A	T	0.164	0.024	0.379	1.44E-11	-0.002	0.002	0.474	0.012	45.584	TRUE	3.18E-11
FEV1	CUL3	cg06170657	rs10933066	C	T	0.134	0.024	0.357	2.57E-08	0.004	0.002	0.079	0.008	30.988	TRUE	8.26E-08
FEV1	CUL3	cg06170657	rs1468988	A	C	0.208	0.034	0.150	6.49E-10	-0.007	0.003	0.041	0.010	38.146	TRUE	2.86E-09
FEV1	CUL3	cg06170657	rs16865796	G	T	0.277	0.035	0.129	1.95E-15	-0.008	0.004	0.030	0.017	63.081	TRUE	1.62E-14
FEV1	CUL3	cg06170657	rs16866077	G	A	0.216	0.028	0.220	8.08E-15	0.000	0.003	0.941	0.016	60.282	TRUE	1.36E-14
FEV1	CUL3	cg06170657	rs6757927	C	T	0.269	0.032	0.156	1.38E-17	-0.007	0.003	0.024	0.019	72.839	TRUE	1.57E-16
FEV1	CUL3	cg06170657	rs72962707	A	G	1.856	0.076	0.024	4.09E-131	-0.015	0.008	0.051	0.138	593.297	TRUE	1.29E-121
FEV1	CUL3	cg06867755	rs112267519	A	G	0.487	0.076	0.026	1.87E-10	0.001	0.007	0.855	0.011	40.579	TRUE	2.78E-10
FEV1	CUL3	cg06867755	rs11884260	A	T	0.222	0.027	0.227	7.25E-16	-0.010	0.003	6.41E-04	0.017	65.029	TRUE	1.59E-14
FEV1	CUL3	cg06867755	rs12993060	T	C	0.203	0.029	0.197	4.69E-12	-0.003	0.003	0.399	0.013	47.788	TRUE	1.15E-11
FEV1	CUL3	cg06867755	rs12995931	G	A	0.158	0.025	0.301	6.13E-10	-0.012	0.003	5.14E-06	0.010	38.259	TRUE	1.10E-08
FEV1	CUL3	cg06867755	rs16866294	T	C	-0.193	0.030	0.185	1.28E-10	0.005	0.003	0.093	0.011	41.319	TRUE	4.81E-10
FEV1	CUL3	cg06867755	rs3768897	A	G	-0.213	0.034	0.134	6.29E-10	-0.002	0.003	0.641	0.010	38.208	TRUE	1.08E-09
FEV1	CUL3	cg06867755	rs3845840	A	G	0.588	0.024	0.320	4.49E-132	-0.011	0.003	1.65E-05	0.139	597.705	TRUE	3.74E-120
FEV1	CUL3	cg06867755	rs6741164	T	C	-0.220	0.026	0.293	1.27E-17	0.006	0.003	0.027	0.019	73.000	TRUE	1.38E-16
FEV1	CUL3	cg06867755	rs72962751	T	C	-0.321	0.059	0.041	4.52E-08	0.008	0.006	0.169	0.008	29.895	TRUE	1.14E-07
FEV1	CUL3	cg06867755	rs72968578	C	T	-0.256	0.045	0.074	1.67E-08	0.008	0.005	0.095	0.009	31.830	TRUE	5.11E-08
FEV1	CUL3	cg22455342	rs11681888	T	A	0.148	0.025	0.300	3.40E-09	-0.006	0.003	0.017	0.009	34.922	TRUE	1.67E-08
FEV1	CUL3	cg22455342	rs11694220	T	C	0.343	0.032	0.154	1.51E-26	0.000	0.003	0.919	0.030	113.646	TRUE	5.21E-26
FEV1	CUL3	cg22455342	rs13024433	C	A	0.202	0.025	0.301	1.98E-15	-0.012	0.003	5.27E-06	0.017	63.046	TRUE	9.35E-14
FEV1	CUL3	cg22455342	rs146410838	A	G	-0.675	0.120	0.011	1.74E-08	0.005	0.011	0.652	0.009	31.750	TRUE	2.74E-08
FEV1	CUL3	cg22455342	rs1916762	A	G	0.255	0.031	0.172	2.76E-16	-0.007	0.003	0.034	0.018	66.929	TRUE	2.49E-15
FEV1	CUL3	cg22455342	rs2047135	G	C	-0.847	0.022	0.323	<1E-200	0.005	0.003	0.059	0.294	1539.263	TRUE	8.95E-293
FEV1	CUL3	cg22455342	rs2543660	G	C	-0.570	0.079	0.042	4.16E-13	0.005	0.006	0.348	0.014	52.537	TRUE	1.19E-12
FEV1	CUL3	cg22455342	rs35380339	T	G	-0.475	0.066	0.063	7.07E-13	0.002	0.005	0.673	0.014	51.496	TRUE	1.38E-12
FEV1	CUL3	cg22455342	rs4380226	T	C	0.298	0.027	0.256	2.57E-28	-0.002	0.003	0.478	0.032	121.721	TRUE	1.91E-27
FEV1	CUL3	cg22455342	rs6721570	T	C	0.319	0.029	0.194	2.30E-27	0.009	0.003	0.003	0.031	117.372	TRUE	1.59E-25
FEV1	CUL3	cg22455342	rs72962778	C	G	0.327	0.028	0.219	1.86E-31	0.000	0.003	0.899	0.035	136.068	TRUE	9.70E-31

FEV1	CUL3	cg22455342	rs7604021	A	T	-0.235	0.024	0.414	3.91E-23	0.002	0.002	0.529	0.026	98.080	TRUE	1.78E-22
FEV1	CUL3	cg22455342	rs7605993	T	A	0.345	0.029	0.185	3.25E-32	-0.009	0.003	0.003	0.036	139.527	TRUE	4.04E-30
FEV1	CX3CL1	cg01555705	rs675841	A	G	0.238	0.028	0.214	6.91E-17	-0.004	0.003	0.116	0.018	69.661	TRUE	4.27E-16
FEV1	CX3CL1	cg06166915	rs62037087	T	C	-0.426	0.054	0.051	1.97E-15	0.004	0.006	0.484	0.017	63.064	TRUE	5.48E-15
FEV1	CX3CL1	cg15195412	rs11644148	G	C	-0.232	0.030	0.175	2.17E-14	-0.007	0.003	0.033	0.016	58.341	TRUE	1.65E-13
FEV1	CX3CL1	cg26644853	rs72301	A	G	-0.350	0.049	0.061	1.40E-12	0.005	0.005	0.317	0.013	50.157	TRUE	4.00E-12
FEV1	CYP1B1	cg00565882	rs10171638	A	G	0.503	0.033	0.146	2.56E-52	0.003	0.003	0.412	0.059	231.561	TRUE	2.70E-50
FEV1	CYP1B1	cg00565882	rs232616	C	G	-0.159	0.027	0.244	7.83E-09	0.004	0.003	0.137	0.009	33.300	TRUE	2.28E-08
FEV1	CYP1B1	cg00565882	rs76137941	A	G	0.466	0.076	0.029	9.06E-10	-0.006	0.007	0.373	0.010	37.496	TRUE	1.97E-09
FEV1	CYP1B1	cg02162897	rs10178134	A	G	0.350	0.027	0.279	9.76E-40	0.008	0.003	0.002	0.045	173.933	TRUE	3.98E-37
FEV1	CYP1B1	cg02162897	rs10185948	C	T	0.240	0.039	0.108	1.04E-09	0.003	0.004	0.374	0.010	37.237	TRUE	2.26E-09
FEV1	CYP1B1	cg02162897	rs142450355	A	G	-0.457	0.080	0.024	1.17E-08	0.005	0.008	0.569	0.009	32.516	TRUE	2.00E-08
FEV1	CYP1B1	cg02162897	rs232616	C	G	-0.173	0.027	0.244	2.89E-10	0.004	0.003	0.137	0.011	39.728	TRUE	9.55E-10
FEV1	CYP1B1	cg03890222	rs10201389	T	A	0.154	0.026	0.282	5.20E-09	0.008	0.003	0.002	0.009	34.095	TRUE	3.63E-08
FEV1	CYP1B1	cg05062676	rs10012	C	G	-0.175	0.026	0.283	3.52E-11	0.008	0.003	0.002	0.012	43.840	TRUE	3.41E-10
FEV1	CYP1B1	cg05062676	rs2447754	G	C	0.325	0.027	0.244	2.47E-33	0.001	0.003	0.679	0.038	144.643	TRUE	2.04E-32
FEV1	CYP1B1	cg05062676	rs35505978	A	G	0.142	0.025	0.305	1.35E-08	0.001	0.003	0.684	0.009	32.247	TRUE	2.08E-08
FEV1	CYP1B1	cg06264984	rs2113389	T	C	0.451	0.034	0.139	2.83E-40	0.004	0.003	0.227	0.046	176.393	TRUE	1.23E-38
FEV1	CYP1B1	cg06264984	rs4670808	G	A	0.186	0.024	0.392	2.98E-15	0.002	0.002	0.390	0.017	62.245	TRUE	9.14E-15
FEV1	CYP1B1	cg07057636	rs4646429	T	C	-0.154	0.026	0.278	6.09E-09	0.008	0.003	0.002	0.009	33.788	TRUE	4.12E-08
FEV1	CYP1B1	cg07380506	rs1056827	A	C	1.024	0.021	0.283	<1E-200	0.008	0.003	0.002	0.386	2328.935	TRUE	<1E-200
FEV1	CYP1B1	cg07380506	rs113750413	G	A	0.656	0.060	0.040	3.45E-28	-0.002	0.006	0.750	0.032	121.139	TRUE	1.70E-27
FEV1	CYP1B1	cg07380506	rs17021846	G	A	0.284	0.048	0.061	2.37E-09	-0.003	0.005	0.551	0.010	35.627	TRUE	4.27E-09
FEV1	CYP1B1	cg07380506	rs181290031	A	G	0.737	0.068	0.028	2.19E-27	-0.003	0.007	0.609	0.031	117.476	TRUE	1.23E-26
FEV1	CYP1B1	cg07380506	rs187236383	G	C	0.651	0.074	0.027	1.27E-18	0.013	0.007	0.053	0.021	77.544	TRUE	1.25E-17
FEV1	CYP1B1	cg07380506	rs2194381	C	T	-0.195	0.034	0.139	1.10E-08	-0.008	0.003	0.016	0.009	32.643	TRUE	5.11E-08
FEV1	CYP1B1	cg07380506	rs232549	A	G	-0.293	0.030	0.190	1.36E-22	0.002	0.003	0.461	0.025	95.621	TRUE	6.53E-22
FEV1	CYP1B1	cg07380506	rs232573	G	A	-0.148	0.023	0.499	2.78E-10	-0.001	0.002	0.715	0.011	39.803	TRUE	4.53E-10
FEV1	CYP1B1	cg07380506	rs4555324	C	G	-0.297	0.054	0.044	4.18E-08	-0.005	0.006	0.382	0.008	30.047	TRUE	8.11E-08
FEV1	CYP1B1	cg07380506	rs4670810	A	G	0.375	0.023	0.449	3.15E-60	0.004	0.002	0.066	0.068	267.820	TRUE	4.71E-57
FEV1	CYP1B1	cg07380506	rs4670858	C	T	0.195	0.024	0.387	7.17E-16	0.002	0.002	0.520	0.017	65.052	TRUE	1.95E-15
FEV1	CYP1B1	cg07380506	rs62133864	A	T	0.714	0.063	0.039	5.11E-30	0.008	0.006	0.184	0.034	129.492	TRUE	8.51E-29
FEV1	CYP1B1	cg07380506	rs77615766	G	C	0.850	0.087	0.020	2.25E-22	0.004	0.009	0.670	0.025	94.622	TRUE	8.03E-22
FEV1	CYP1B1	cg11656478	rs149502411	T	C	-0.325	0.057	0.045	1.21E-08	0.005	0.006	0.390	0.009	32.461	TRUE	2.40E-08
FEV1	CYP1B1	cg11656478	rs2707244	A	C	-0.131	0.023	0.474	2.10E-08	-0.003	0.002	0.261	0.008	31.381	TRUE	4.78E-08
FEV1	CYP1B1	cg11656478	rs62136337	G	A	0.270	0.023	0.465	2.24E-31	0.005	0.002	0.023	0.035	135.696	TRUE	1.26E-29
FEV1	CYP1B1	cg11751707	rs2567207	G	A	-0.186	0.026	0.280	1.67E-12	0.008	0.003	0.001	0.013	49.808	TRUE	1.99E-11
FEV1	CYP1B1	cg12802310	rs1056827	A	C	-0.165	0.027	0.283	4.90E-10	0.008	0.003	0.002	0.010	38.695	TRUE	4.05E-09
FEV1	CYP1B1	cg12802310	rs151256	G	A	0.368	0.027	0.246	8.40E-43	0.001	0.003	0.697	0.048	187.966	TRUE	1.63E-41
FEV1	CYP1B1	cg12802310	rs336046	G	T	-0.143	0.023	0.446	8.26E-10	0.002	0.002	0.434	0.010	37.678	TRUE	1.71E-09
FEV1	CYP1B1	cg20408276	rs10171638	A	G	0.553	0.033	0.146	2.65E-63	0.003	0.003	0.412	0.071	281.923	TRUE	1.21E-60
FEV1	CYP1B1	cg20408276	rs150999507	T	C	-0.465	0.080	0.024	6.20E-09	0.004	0.008	0.624	0.009	33.751	TRUE	1.03E-08

FEV1	CYP1B1	cg20408276	rs454674	A	T	-0.206	0.027	0.244	6.88E-14	0.004	0.003	0.137	0.015	56.072	TRUE	3.13E-13
FEV1	CYP1B1	cg20408276	rs7606492	T	C	0.168	0.027	0.257	7.15E-10	0.006	0.003	0.045	0.010	37.958	TRUE	3.09E-09
FEV1	CYP1B1	cg20408276	rs76137941	A	G	0.598	0.076	0.029	3.30E-15	-0.006	0.007	0.373	0.016	62.045	TRUE	1.05E-14
FEV1	DAB2IP	cg01305539	rs10117555	G	A	-0.252	0.034	0.135	8.23E-14	0.004	0.003	0.268	0.015	55.719	TRUE	2.80E-13
FEV1	DAB2IP	cg03225208	rs10985344	A	G	0.219	0.026	0.257	4.40E-17	0.002	0.003	0.408	0.019	70.549	TRUE	1.51E-16
FEV1	DAB2IP	cg04661709	rs10985196	A	C	0.160	0.029	0.206	2.63E-08	0.005	0.003	0.079	0.008	30.944	TRUE	8.30E-08
FEV1	DAB2IP	cg04661709	rs10985287	A	G	-0.257	0.025	0.288	3.15E-24	-0.002	0.003	0.353	0.027	103.070	TRUE	2.14E-23
FEV1	DAB2IP	cg04661709	rs4836858	T	A	0.347	0.024	0.392	2.01E-47	-0.002	0.002	0.469	0.054	209.131	TRUE	1.07E-45
FEV1	DAB2IP	cg04661709	rs58802731	A	C	0.375	0.032	0.159	7.36E-31	0.002	0.003	0.517	0.035	133.336	TRUE	6.55E-30
FEV1	DAB2IP	cg04661709	rs7468120	A	G	-0.145	0.026	0.278	3.55E-08	-0.003	0.003	0.330	0.008	30.367	TRUE	7.25E-08
FEV1	DAB2IP	cg08980461	rs10818576	G	T	-0.267	0.027	0.243	4.99E-23	0.003	0.003	0.258	0.026	97.598	TRUE	3.53E-22
FEV1	DAB2IP	cg10394788	rs10985290	A	G	-0.299	0.042	0.079	1.67E-12	-0.001	0.004	0.734	0.013	49.807	TRUE	3.06E-12
FEV1	DAB2IP	cg10394788	rs1548782	T	A	0.143	0.024	0.390	3.65E-09	-0.001	0.002	0.755	0.009	34.781	TRUE	5.46E-09
FEV1	DAB2IP	cg10394788	rs2777319	T	C	-0.463	0.024	0.390	3.34E-85	-0.002	0.002	0.483	0.094	382.415	TRUE	4.10E-81
FEV1	DAB2IP	cg10394788	rs514823	T	C	0.199	0.028	0.221	9.42E-13	-0.002	0.003	0.434	0.014	50.933	TRUE	2.36E-12
FEV1	DAB2IP	cg10394788	rs72758110	T	G	0.672	0.090	0.017	6.56E-14	-0.002	0.010	0.808	0.015	56.165	TRUE	1.20E-13
FEV1	DAB2IP	cg10394788	rs76331566	T	C	0.494	0.051	0.052	3.69E-22	0.000	0.005	0.986	0.025	93.641	TRUE	8.89E-22
FEV1	DAB2IP	cg10394788	rs7873850	A	C	0.367	0.031	0.182	1.68E-32	0.002	0.003	0.635	0.037	140.840	TRUE	1.38E-31
FEV1	DAB2IP	cg13571216	rs75389670	G	C	0.541	0.072	0.027	4.00E-14	0.000	0.007	0.991	0.015	57.138	TRUE	6.25E-14
FEV1	DAB2IP	cg13696706	rs10818576	G	T	0.148	0.027	0.243	4.35E-08	0.003	0.003	0.258	0.008	29.970	TRUE	9.53E-08
FEV1	DAB2IP	cg13696706	rs10985284	T	G	0.270	0.025	0.289	1.09E-26	-0.002	0.003	0.370	0.030	114.301	TRUE	8.77E-26
FEV1	DAB2IP	cg13696706	rs58802731	A	C	-0.253	0.033	0.159	7.66E-15	0.002	0.003	0.517	0.016	60.387	TRUE	2.02E-14
FEV1	DAB2IP	cg13758780	rs112281448	A	G	-0.295	0.051	0.055	1.06E-08	0.000	0.005	0.967	0.009	32.717	TRUE	1.34E-08
FEV1	DAB2IP	cg13758780	rs12380661	T	C	0.386	0.025	0.362	1.36E-54	0.002	0.003	0.348	0.061	241.978	TRUE	2.23E-52
FEV1	DAB2IP	cg13758780	rs1359085	G	A	0.173	0.024	0.430	2.08E-13	-0.001	0.002	0.542	0.014	53.899	TRUE	4.71E-13
FEV1	DAB2IP	cg13758780	rs58802731	A	C	-0.468	0.032	0.159	9.59E-48	0.002	0.003	0.517	0.054	210.600	TRUE	4.74E-46
FEV1	DAB2IP	cg13758780	rs6478506	A	G	-0.176	0.029	0.200	1.51E-09	0.004	0.003	0.159	0.010	36.503	TRUE	4.41E-09
FEV1	DAB2IP	cg13758780	rs7039494	T	A	-0.204	0.030	0.181	2.19E-11	-0.002	0.003	0.598	0.012	44.773	TRUE	4.24E-11
FEV1	DAB2IP	cg13833607	rs10985342	G	A	-0.220	0.027	0.237	2.88E-16	0.005	0.008	0.528	0.018	66.848	TRUE	8.13E-16
FEV1	DAB2IP	cg14021373	rs10985320	C	T	-0.216	0.032	0.157	2.09E-11	0.004	0.003	0.254	0.012	44.859	TRUE	5.95E-11
FEV1	DAB2IP	cg14021373	rs57185433	T	C	-1.468	0.085	0.020	4.15E-66	-0.004	0.009	0.682	0.074	294.789	TRUE	1.48E-63
FEV1	DAB2IP	cg14136214	rs7854651	G	A	-0.214	0.023	0.477	1.86E-20	-0.006	0.002	0.009	0.023	85.891	TRUE	3.84E-19
FEV1	DAB2IP	cg14190522	rs10120537	T	G	-0.184	0.024	0.374	2.95E-14	-0.002	0.002	0.365	0.015	57.738	TRUE	8.96E-14
FEV1	DAB2IP	cg14190522	rs10739588	A	G	-0.147	0.025	0.302	6.06E-09	0.004	0.003	0.115	0.009	33.798	TRUE	1.82E-08
FEV1	DAB2IP	cg14190522	rs10985315	C	T	0.594	0.030	0.182	1.97E-85	0.001	0.003	0.697	0.094	383.468	TRUE	1.37E-81
FEV1	DAB2IP	cg14190522	rs116945153	T	C	-0.415	0.062	0.032	2.94E-11	-0.001	0.006	0.915	0.012	44.192	TRUE	4.32E-11
FEV1	DAB2IP	cg14190522	rs3915531	A	T	0.284	0.033	0.147	3.19E-18	0.001	0.003	0.872	0.020	75.726	TRUE	6.84E-18
FEV1	DAB2IP	cg14190522	rs603315	T	C	-0.391	0.031	0.160	1.37E-36	0.001	0.003	0.697	0.041	159.530	TRUE	1.49E-35
FEV1	DAB2IP	cg14190522	rs72760242	A	G	0.265	0.039	0.108	1.57E-11	-0.005	0.004	0.195	0.012	45.424	TRUE	5.06E-11
FEV1	DAB2IP	cg14254686	rs150611873	T	C	-0.130	0.024	0.488	3.57E-08	-0.010	0.002	3.65E-05	0.008	30.351	TRUE	3.93E-07
FEV1	DAB2IP	cg14594111	rs10985290	A	G	-0.242	0.042	0.079	1.09E-08	-0.001	0.004	0.734	0.009	32.657	TRUE	1.64E-08
FEV1	DAB2IP	cg14594111	rs1106006	T	G	0.166	0.028	0.230	3.32E-09	0.001	0.003	0.796	0.009	34.965	TRUE	4.86E-09

FEV1	DAB2IP	cg14594111	rs1984037	G	C	0.213	0.026	0.284	6.82E-16	0.005	0.003	0.068	0.017	65.148	TRUE	4.62E-15
FEV1	DAB2IP	cg14594111	rs36084561	T	C	-0.264	0.029	0.203	4.62E-20	0.008	0.003	0.006	0.022	84.090	TRUE	1.04E-18
FEV1	DAB2IP	cg14594111	rs57455029	A	G	-0.341	0.053	0.050	1.31E-10	-0.001	0.006	0.911	0.011	41.278	TRUE	1.86E-10
FEV1	DAB2IP	cg14594111	rs60432659	T	C	0.187	0.031	0.181	1.84E-09	0.001	0.003	0.740	0.010	36.120	TRUE	2.87E-09
FEV1	DAB2IP	cg14594111	rs7025486	A	G	-0.666	0.025	0.263	7.80E-152	0.003	0.003	0.346	0.157	688.516	TRUE	5.57E-141
FEV1	DAB2IP	cg14594111	rs72764062	T	A	0.447	0.061	0.035	2.40E-13	-0.002	0.006	0.746	0.014	53.615	TRUE	4.53E-13
FEV1	DAB2IP	cg14594111	rs73540817	A	T	-0.359	0.061	0.036	3.34E-09	-0.004	0.006	0.523	0.009	34.954	TRUE	6.13E-09
FEV1	DAB2IP	cg14594111	rs7468120	A	G	0.163	0.026	0.278	5.81E-10	-0.003	0.003	0.330	0.010	38.363	TRUE	1.35E-09
FEV1	DAB2IP	cg14594111	rs78424955	A	G	-0.347	0.033	0.138	1.15E-25	0.004	0.003	0.289	0.029	109.617	TRUE	9.82E-25
FEV1	DAB2IP	cg14594187	rs10760198	G	A	-0.142	0.023	0.432	1.14E-09	-0.004	0.002	0.064	0.010	37.049	TRUE	4.29E-09
FEV1	DAB2IP	cg14611152	rs1984037	G	C	0.149	0.026	0.284	1.85E-08	0.005	0.003	0.068	0.008	31.627	TRUE	6.09E-08
FEV1	DAB2IP	cg14611152	rs36084561	T	C	-0.222	0.029	0.203	1.31E-14	0.008	0.003	0.006	0.016	59.339	TRUE	1.53E-13
FEV1	DAB2IP	cg14611152	rs7025486	A	G	-0.519	0.026	0.263	1.90E-89	0.003	0.003	0.346	0.098	401.908	TRUE	7.48E-85
FEV1	DAB2IP	cg14611152	rs7468120	A	G	0.150	0.026	0.278	1.24E-08	-0.003	0.003	0.330	0.009	32.413	TRUE	2.61E-08
FEV1	DAB2IP	cg14611152	rs78424955	A	G	-0.266	0.033	0.138	1.07E-15	0.004	0.003	0.289	0.017	64.255	TRUE	4.04E-15
FEV1	DAB2IP	cg21182461	rs7853819	G	A	-0.232	0.026	0.267	2.23E-18	0.001	0.003	0.696	0.020	76.433	TRUE	5.88E-18
FEV1	DAB2IP	cg21234082	rs10120537	T	G	0.435	0.024	0.374	4.99E-75	-0.002	0.002	0.365	0.083	335.718	TRUE	1.59E-71
FEV1	DAB2IP	cg21234082	rs10818491	T	C	0.137	0.023	0.435	4.88E-09	-0.001	0.002	0.783	0.009	34.217	TRUE	7.25E-09
FEV1	DAB2IP	cg21234082	rs10985332	T	C	-0.263	0.030	0.200	1.26E-18	0.001	0.003	0.763	0.021	77.555	TRUE	3.15E-18
FEV1	DAB2IP	cg21234082	rs10985449	A	C	0.176	0.024	0.428	2.35E-13	0.004	0.002	0.098	0.014	53.655	TRUE	1.13E-12
FEV1	DAB2IP	cg21234082	rs118115974	A	G	-0.624	0.094	0.028	2.53E-11	0.002	0.006	0.698	0.012	44.484	TRUE	4.45E-11
FEV1	DAB2IP	cg21234082	rs12156434	C	T	0.265	0.031	0.173	2.78E-17	-0.001	0.003	0.835	0.019	71.454	TRUE	5.99E-17
FEV1	DAB2IP	cg21234082	rs12237140	T	C	-0.561	0.099	0.015	1.22E-08	-0.004	0.010	0.697	0.009	32.438	TRUE	1.88E-08
FEV1	DAB2IP	cg21234082	rs12350307	A	G	-0.351	0.045	0.073	4.16E-15	0.001	0.005	0.826	0.016	61.590	TRUE	7.97E-15
FEV1	DAB2IP	cg21234082	rs149391267	T	C	-0.889	0.122	0.022	2.69E-13	0.008	0.007	0.255	0.014	53.391	TRUE	8.91E-13
FEV1	DAB2IP	cg21234082	rs16911057	A	G	-0.400	0.036	0.121	9.00E-29	0.002	0.004	0.659	0.032	123.801	TRUE	5.22E-28
FEV1	DAB2IP	cg21234082	rs17292952	A	G	-0.596	0.063	0.046	6.37E-21	-0.004	0.006	0.544	0.023	88.005	TRUE	2.43E-20
FEV1	DAB2IP	cg21234082	rs2300932	A	C	0.294	0.024	0.394	2.13E-34	-0.002	0.002	0.520	0.039	149.514	TRUE	2.49E-33
FEV1	DAB2IP	cg21234082	rs2789883	G	A	-1.251	0.017	0.257	<1E-200	0.001	0.003	0.658	0.582	5148.880	TRUE	<1E-200
FEV1	DAB2IP	cg21234082	rs34846876	C	T	-0.171	0.029	0.222	2.89E-09	0.004	0.003	0.201	0.009	35.237	TRUE	7.67E-09
FEV1	DAB2IP	cg21234082	rs514823	T	C	0.409	0.028	0.221	9.12E-50	-0.002	0.003	0.434	0.056	219.864	TRUE	6.74E-48
FEV1	DAB2IP	cg21234082	rs57455029	A	G	-0.292	0.053	0.050	4.11E-08	-0.001	0.006	0.911	0.008	30.083	TRUE	5.29E-08
FEV1	DAB2IP	cg21234082	rs72758134	G	T	0.226	0.032	0.160	1.14E-12	-0.007	0.003	0.023	0.013	50.555	TRUE	7.79E-12
FEV1	DAB2IP	cg21234082	rs75318126	T	C	0.317	0.030	0.186	9.47E-26	0.001	0.003	0.655	0.029	110.008	TRUE	4.42E-25
FEV1	DAB2IP	cg21234082	rs75791887	C	T	-0.507	0.055	0.044	2.85E-20	-0.003	0.006	0.653	0.022	85.046	TRUE	8.97E-20
FEV1	DAB2IP	cg21234082	rs78424955	A	G	0.219	0.033	0.138	5.11E-11	0.004	0.003	0.289	0.012	43.112	TRUE	1.36E-10
FEV1	DAB2IP	cg21234082	rs7861752	T	C	0.167	0.024	0.435	2.13E-12	-0.008	0.002	7.37E-04	0.013	49.334	TRUE	2.89E-11
FEV1	DAB2IP	cg21234082	rs9408927	G	T	0.300	0.051	0.055	4.54E-09	0.007	0.005	0.160	0.009	34.359	TRUE	1.28E-08
FEV1	DAPK1	cg08719486	rs10746812	C	T	0.332	0.024	0.374	3.66E-43	0.003	0.002	0.205	0.049	189.615	TRUE	2.45E-41
FEV1	DAPK1	cg13752933	rs3758308	T	C	0.173	0.023	0.455	1.91E-13	-0.005	0.002	0.033	0.014	54.065	TRUE	1.32E-12
FEV1	DAPK1	cg13765778	rs10746806	A	G	-0.135	0.023	0.483	7.98E-09	0.001	0.002	0.696	0.009	33.263	TRUE	1.23E-08
FEV1	DAPK1	cg13765778	rs11789129	T	C	-0.253	0.045	0.062	1.62E-08	0.003	0.005	0.545	0.009	31.882	TRUE	2.79E-08

FEV1	DAPK1	cg13765778	rs11795212	G	T	-0.849	0.097	0.024	2.86E-18	0.007	0.008	0.339	0.020	75.946	TRUE	1.19E-17
FEV1	DAPK1	cg13823120	rs10746812	C	T	0.364	0.024	0.374	6.10E-52	0.003	0.002	0.205	0.058	229.830	TRUE	1.21E-49
FEV1	DAPK1	cg14250336	rs13290498	G	A	-0.172	0.024	0.361	1.69E-12	0.001	0.002	0.587	0.013	49.793	TRUE	3.51E-12
FEV1	DAPK1	cg17984409	rs3128470	C	T	0.248	0.045	0.152	3.79E-08	0.006	0.003	0.048	0.008	30.240	TRUE	1.33E-07
FEV1	DAPK1	cg21180703	rs1861827	T	C	-0.951	0.060	0.084	1.30E-56	0.001	0.004	0.842	0.064	251.237	TRUE	9.55E-55
FEV1	DAPK1	cg21180703	rs1861828	C	T	0.181	0.024	0.428	2.00E-14	0.002	0.002	0.486	0.016	58.496	TRUE	5.29E-14
FEV1	DAPK1	cg21180703	rs3118839	T	C	-0.141	0.023	0.477	1.43E-09	0.000	0.002	0.947	0.010	36.612	TRUE	1.92E-09
FEV1	DAPK1	cg21180703	rs7874328	G	A	-0.273	0.024	0.401	3.14E-30	0.001	0.002	0.737	0.034	130.460	TRUE	1.84E-29
FEV1	DAPK1	cg21180703	rs9410612	T	A	-0.227	0.025	0.327	3.84E-20	0.000	0.003	0.857	0.022	84.456	TRUE	9.30E-20
FEV1	DAPK2	cg01859228	rs11071770	T	C	0.329	0.027	0.269	2.41E-35	0.001	0.003	0.846	0.040	153.840	TRUE	1.85E-34
FEV1	DAPK2	cg01859228	rs11854930	C	T	0.255	0.037	0.104	5.31E-12	-0.010	0.004	0.004	0.013	47.542	TRUE	4.98E-11
FEV1	DAPK2	cg01859228	rs11857703	G	A	0.149	0.023	0.492	2.05E-10	0.003	0.002	0.290	0.011	40.398	TRUE	5.14E-10
FEV1	DAPK2	cg01859228	rs17788807	T	C	0.330	0.029	0.196	4.42E-29	0.006	0.003	0.029	0.033	125.213	TRUE	1.71E-27
FEV1	DAPK2	cg01859228	rs28729238	G	T	-0.826	0.021	0.349	<1E-200	-0.002	0.002	0.472	0.286	1481.855	TRUE	9.09E-285
FEV1	DAPK2	cg01859228	rs332286	C	G	0.340	0.034	0.143	8.45E-24	-0.003	0.003	0.437	0.027	101.113	TRUE	4.61E-23
FEV1	DAPK2	cg01859228	rs4777602	G	A	0.198	0.034	0.140	6.79E-09	0.001	0.003	0.759	0.009	33.576	TRUE	1.00E-08
FEV1	DAPK2	cg01859228	rs4984288	C	T	-0.197	0.024	0.385	3.13E-16	0.002	0.002	0.335	0.018	66.684	TRUE	1.13E-15
FEV1	DAPK2	cg01859228	rs62023137	T	A	0.404	0.036	0.130	2.16E-29	0.003	0.004	0.394	0.033	126.628	TRUE	2.08E-28
FEV1	DAPK2	cg01859228	rs62023393	T	C	-0.307	0.053	0.144	5.58E-09	-0.002	0.004	0.485	0.009	33.957	TRUE	1.03E-08
FEV1	DAPK2	cg01859228	rs6494466	A	G	0.186	0.027	0.263	7.74E-12	-0.003	0.003	0.268	0.012	46.804	TRUE	2.26E-11
FEV1	DAPK2	cg01859228	rs7183733	T	C	0.185	0.025	0.330	2.24E-13	0.005	0.003	0.047	0.014	53.753	TRUE	1.32E-12
FEV1	DAPK2	cg01859228	rs72750970	G	A	-0.536	0.060	0.048	6.91E-19	-0.001	0.005	0.773	0.021	78.747	TRUE	1.73E-18
FEV1	DAPK2	cg01859228	rs72752943	A	G	-0.425	0.032	0.146	5.27E-40	0.000	0.003	0.945	0.045	175.161	TRUE	5.25E-39
FEV1	DAPK2	cg01859228	rs72755006	G	A	0.341	0.044	0.077	1.37E-14	0.004	0.004	0.353	0.016	59.247	TRUE	4.31E-14
FEV1	DAPK2	cg01859228	rs9921010	C	A	-0.234	0.039	0.089	2.31E-09	0.007	0.004	0.070	0.010	35.678	TRUE	8.36E-09
FEV1	DAPK2	cg02919090	rs1018215	C	G	0.167	0.024	0.368	4.40E-12	-0.003	0.002	0.171	0.013	47.910	TRUE	1.56E-11
FEV1	DAPK2	cg02919090	rs10851733	T	C	0.804	0.021	0.398	<1E-200	-0.002	0.002	0.511	0.289	1502.135	TRUE	2.68E-288
FEV1	DAPK2	cg02919090	rs112479057	A	G	-0.354	0.063	0.036	2.31E-08	0.013	0.007	0.051	0.008	31.198	TRUE	8.06E-08
FEV1	DAPK2	cg02919090	rs11630556	C	T	-0.371	0.036	0.136	2.26E-25	0.005	0.003	0.160	0.028	108.288	TRUE	2.64E-24
FEV1	DAPK2	cg02919090	rs12441911	G	A	0.162	0.027	0.247	1.90E-09	0.002	0.003	0.470	0.010	36.051	TRUE	3.66E-09
FEV1	DAPK2	cg02919090	rs12593770	A	G	-0.238	0.041	0.089	6.83E-09	0.004	0.004	0.295	0.009	33.566	TRUE	1.54E-08
FEV1	DAPK2	cg02919090	rs16947645	T	C	-0.349	0.026	0.302	1.55E-42	0.003	0.003	0.317	0.048	186.743	TRUE	6.62E-41
FEV1	DAPK2	cg02919090	rs1802376	A	G	-0.481	0.087	0.020	3.35E-08	0.012	0.008	0.169	0.008	30.478	TRUE	8.56E-08
FEV1	DAPK2	cg02919090	rs1903325	T	A	0.366	0.051	0.053	1.25E-12	-0.002	0.005	0.665	0.013	50.379	TRUE	2.44E-12
FEV1	DAPK2	cg02919090	rs192816899	C	T	-0.745	0.114	0.023	7.21E-11	-0.015	0.008	0.043	0.011	42.437	TRUE	3.44E-10
FEV1	DAPK2	cg02919090	rs28808148	C	T	-0.458	0.044	0.077	1.00E-25	-0.012	0.004	0.005	0.029	109.897	TRUE	4.69E-24
FEV1	DAPK2	cg02919090	rs332270	G	C	0.230	0.038	0.221	1.86E-09	-0.007	0.003	0.026	0.010	36.098	TRUE	8.63E-09
FEV1	DAPK2	cg02919090	rs4984291	A	G	0.215	0.023	0.452	4.72E-20	0.002	0.002	0.351	0.022	84.049	TRUE	2.28E-19
FEV1	DAPK2	cg02919090	rs56113145	A	G	-0.372	0.055	0.050	1.91E-11	0.003	0.006	0.584	0.012	45.040	TRUE	3.75E-11
FEV1	DAPK2	cg02919090	rs7178762	C	T	-0.322	0.024	0.460	2.42E-42	0.002	0.002	0.502	0.048	185.862	TRUE	6.82E-41
FEV1	DAPK2	cg02919090	rs7183733	T	C	-0.172	0.025	0.330	8.36E-12	0.005	0.003	0.047	0.012	46.655	TRUE	4.21E-11
FEV1	DAPK2	cg02919090	rs72750970	G	A	0.605	0.060	0.048	9.52E-24	-0.001	0.005	0.773	0.027	100.876	TRUE	3.27E-23

FEV1	DAPK2	cg02919090	rs72752943	A	G	0.444	0.032	0.146	1.16E-43	0.000	0.003	0.945	0.049	191.908	TRUE	1.64E-42
FEV1	DAPK2	cg02919090	rs72755006	G	A	-0.332	0.044	0.077	6.76E-14	0.004	0.004	0.353	0.015	56.108	TRUE	2.02E-13
FEV1	DAPK2	cg02919090	rs79488359	G	T	-0.286	0.041	0.095	2.00E-12	-0.016	0.004	7.64E-05	0.013	49.460	TRUE	3.95E-11
FEV1	DAPK2	cg02919090	rs80265779	G	A	0.213	0.033	0.148	8.80E-11	0.004	0.003	0.231	0.011	42.048	TRUE	2.53E-10
FEV1	DAPK2	cg02919090	rs8033972	A	G	-0.197	0.027	0.262	4.85E-13	-0.003	0.003	0.256	0.014	52.238	TRUE	1.59E-12
FEV1	DAPK2	cg02919090	rs9652430	T	A	-0.294	0.034	0.148	2.22E-18	0.000	0.004	0.978	0.020	76.441	TRUE	4.35E-18
FEV1	DAPK2	cg02919090	rs9921010	C	A	0.252	0.039	0.089	1.21E-10	0.007	0.004	0.070	0.011	41.420	TRUE	4.99E-10
FEV1	DAPK2	cg06904649	rs4776710	G	A	-0.189	0.023	0.466	7.34E-16	-0.005	0.002	0.037	0.017	65.006	TRUE	6.12E-15
FEV1	DAPK2	cg07619672	rs332276	C	T	0.280	0.034	0.145	6.46E-17	-0.003	0.003	0.432	0.019	69.795	TRUE	2.11E-16
FEV1	DAPK2	cg11775215	rs16947140	T	C	-0.186	0.033	0.136	1.07E-08	-0.001	0.003	0.798	0.009	32.689	TRUE	1.54E-08
FEV1	DAPK2	cg11775215	rs78181809	A	G	-0.899	0.058	0.035	2.28E-53	-0.005	0.006	0.461	0.060	236.369	TRUE	2.44E-51
FEV1	DAPK2	cg13645296	rs9972469	A	C	0.231	0.024	0.448	1.31E-22	-0.003	0.002	0.228	0.025	95.681	TRUE	9.94E-22
FEV1	DAPK2	cg23165541	rs12912128	C	T	-0.174	0.031	0.172	3.10E-08	-0.004	0.003	0.229	0.008	30.627	TRUE	7.17E-08
FEV1	DAPK2	cg24729988	rs12902972	T	C	-0.172	0.023	0.464	1.41E-13	0.005	0.002	0.040	0.015	54.665	TRUE	9.27E-13
FEV1	DAXX	cg03477252	rs3106194	A	G	0.319	0.025	0.310	2.40E-36	0.005	0.003	0.048	0.041	158.420	TRUE	1.72E-34
FEV1	DAXX	cg03477252	rs55844831	G	A	0.333	0.060	0.035	3.20E-08	0.005	0.006	0.452	0.008	30.566	TRUE	5.85E-08
FEV1	DAXX	cg04086445	rs11757081	T	A	-0.261	0.027	0.233	9.61E-23	0.007	0.003	0.007	0.025	96.301	TRUE	2.80E-21
FEV1	DAXX	cg04086445	rs12202730	T	C	0.302	0.045	0.071	2.89E-11	0.005	0.005	0.301	0.012	44.224	TRUE	7.73E-11
FEV1	DAXX	cg04086445	rs143149014	C	T	0.564	0.074	0.029	2.36E-14	0.000	0.007	0.969	0.015	58.176	TRUE	3.80E-14
FEV1	DAXX	cg04086445	rs150420498	A	G	0.698	0.087	0.022	1.35E-15	0.010	0.008	0.184	0.017	63.798	TRUE	6.24E-15
FEV1	DAXX	cg04086445	rs210155	C	T	-0.209	0.024	0.424	9.58E-19	-0.009	0.002	1.91E-04	0.021	78.101	TRUE	4.23E-17
FEV1	DAXX	cg04086445	rs2104362	G	A	-0.143	0.026	0.272	1.92E-08	-0.004	0.003	0.116	0.008	31.560	TRUE	5.56E-08
FEV1	DAXX	cg04086445	rs2239839	A	C	0.763	0.024	0.310	9.08E-230	0.005	0.003	0.046	0.221	1046.805	TRUE	2.11E-206
FEV1	DAXX	cg04086445	rs23544	T	C	0.148	0.024	0.410	3.47E-10	0.010	0.002	1.46E-05	0.011	39.371	TRUE	5.77E-09
FEV1	DAXX	cg04086445	rs3130257	T	C	-0.260	0.034	0.126	1.40E-14	0.006	0.004	0.070	0.016	59.200	TRUE	8.31E-14
FEV1	DAXX	cg04086445	rs443972	C	T	-0.417	0.075	0.035	2.30E-08	0.002	0.006	0.733	0.008	31.208	TRUE	3.39E-08
FEV1	DAXX	cg04086445	rs5745565	C	T	0.585	0.074	0.030	2.29E-15	-0.008	0.007	0.258	0.017	62.764	TRUE	8.88E-15
FEV1	DAXX	cg04086445	rs622917	T	C	-0.142	0.023	0.472	1.09E-09	-0.001	0.002	0.584	0.010	37.145	TRUE	1.95E-09
FEV1	DAXX	cg04086445	rs6457734	T	G	-0.252	0.026	0.281	1.16E-22	-0.001	0.003	0.714	0.025	95.924	TRUE	3.93E-22
FEV1	DAXX	cg04086445	rs78906361	C	T	-0.300	0.052	0.053	9.78E-09	-0.027	0.005	1.45E-07	0.009	32.867	TRUE	2.07E-07
FEV1	DAXX	cg04086445	rs9469532	A	G	-0.160	0.024	0.370	2.75E-11	0.002	0.002	0.392	0.012	44.325	TRUE	6.43E-11
FEV1	DAXX	cg05431670	rs114542428	G	A	-0.353	0.046	0.075	9.97E-15	-0.019	0.005	6.23E-05	0.016	59.870	TRUE	2.93E-13
FEV1	DAXX	cg05431670	rs115775530	A	T	0.768	0.075	0.028	2.24E-24	-0.001	0.007	0.870	0.027	103.742	TRUE	7.16E-24
FEV1	DAXX	cg05431670	rs12202730	T	C	0.610	0.045	0.071	4.50E-41	0.005	0.005	0.301	0.046	180.049	TRUE	1.73E-39
FEV1	DAXX	cg05431670	rs12214637	A	G	0.175	0.028	0.225	5.08E-10	-0.001	0.003	0.702	0.010	38.625	TRUE	8.40E-10
FEV1	DAXX	cg05431670	rs146253626	T	C	0.835	0.091	0.034	5.20E-20	-0.004	0.008	0.586	0.022	83.855	TRUE	1.76E-19
FEV1	DAXX	cg05431670	rs1535949	A	G	0.180	0.028	0.233	1.73E-10	-0.001	0.003	0.755	0.011	40.726	TRUE	2.83E-10
FEV1	DAXX	cg05431670	rs210155	C	T	-0.263	0.024	0.424	3.88E-28	-0.009	0.002	1.91E-04	0.032	120.906	TRUE	6.55E-26
FEV1	DAXX	cg05431670	rs2104362	G	A	-0.207	0.026	0.272	1.19E-15	-0.004	0.003	0.116	0.017	64.057	TRUE	6.60E-15
FEV1	DAXX	cg05431670	rs2269610	C	G	-0.405	0.031	0.163	1.84E-39	0.000	0.003	0.961	0.045	172.677	TRUE	1.68E-38
FEV1	DAXX	cg05431670	rs2274198	A	G	-0.141	0.025	0.354	1.13E-08	0.001	0.002	0.728	0.009	32.583	TRUE	1.69E-08
FEV1	DAXX	cg05431670	rs23544	T	C	0.243	0.024	0.410	3.33E-24	0.010	0.002	1.46E-05	0.027	102.959	TRUE	5.32E-22

FEV1	DAXX	cg05431670	rs3130256	A	G	0.975	0.019	0.350	<1E-200	0.009	0.003	2.90E-04	0.410	2575.802	TRUE	<1E-200
FEV1	DAXX	cg05431670	rs34931270	A	G	0.806	0.085	0.024	1.59E-21	-0.007	0.007	0.311	0.024	90.752	TRUE	9.10E-21
FEV1	DAXX	cg05431670	rs35881303	A	G	-0.415	0.024	0.401	1.80E-69	0.002	0.002	0.389	0.077	310.218	TRUE	2.09E-66
FEV1	DAXX	cg05431670	rs443972	C	T	-0.423	0.075	0.035	1.44E-08	0.002	0.006	0.733	0.009	32.116	TRUE	2.15E-08
FEV1	DAXX	cg05431670	rs4559081	A	G	0.208	0.030	0.186	3.42E-12	0.001	0.003	0.790	0.013	48.404	TRUE	5.82E-12
FEV1	DAXX	cg05431670	rs547391	A	T	0.344	0.028	0.242	1.16E-34	-0.003	0.003	0.289	0.039	150.712	TRUE	2.34E-33
FEV1	DAXX	cg05431670	rs55844831	G	A	0.780	0.060	0.035	2.74E-38	0.005	0.006	0.452	0.043	167.305	TRUE	5.43E-37
FEV1	DAXX	cg05431670	rs622917	T	C	-0.260	0.023	0.472	1.26E-28	-0.001	0.002	0.584	0.032	123.130	TRUE	8.33E-28
FEV1	DAXX	cg05431670	rs68191	C	T	-0.309	0.040	0.094	1.54E-14	-0.008	0.004	0.042	0.016	59.021	TRUE	1.09E-13
FEV1	DAXX	cg05431670	rs73420616	A	G	-0.296	0.054	0.050	4.74E-08	-0.013	0.006	0.023	0.008	29.803	TRUE	1.88E-07
FEV1	DAXX	cg05431670	rs78372511	A	G	-0.387	0.061	0.037	2.48E-10	0.021	0.006	6.98E-04	0.011	40.022	TRUE	2.52E-09
FEV1	DAXX	cg09365002	rs2239839	A	C	0.254	0.026	0.310	2.74E-23	0.005	0.003	0.046	0.026	98.788	TRUE	4.58E-22
FEV1	DAXX	cg09597022	rs3106194	A	G	0.288	0.026	0.310	2.00E-29	0.005	0.003	0.048	0.033	126.783	TRUE	6.49E-28
FEV1	DAXX	cg09992055	rs469064	A	C	0.144	0.023	0.498	4.41E-10	0.004	0.002	0.064	0.010	38.901	TRUE	1.77E-09
FEV1	DAXX	cg13826470	rs115775530	A	T	0.720	0.075	0.028	1.05E-21	-0.001	0.007	0.870	0.024	91.565	TRUE	2.83E-21
FEV1	DAXX	cg13826470	rs11966717	T	C	-0.283	0.052	0.054	4.22E-08	-0.023	0.005	5.12E-06	0.008	30.031	TRUE	5.51E-07
FEV1	DAXX	cg13826470	rs12202730	T	C	0.438	0.046	0.071	7.58E-22	0.005	0.005	0.301	0.024	92.216	TRUE	4.58E-21
FEV1	DAXX	cg13826470	rs146253626	T	C	0.574	0.091	0.034	2.98E-10	-0.004	0.008	0.586	0.011	39.667	TRUE	5.48E-10
FEV1	DAXX	cg13826470	rs1535949	A	G	0.159	0.028	0.233	1.54E-08	-0.001	0.003	0.755	0.009	31.979	TRUE	2.29E-08
FEV1	DAXX	cg13826470	rs210199	A	C	-0.181	0.025	0.366	1.85E-13	-0.008	0.002	6.43E-04	0.014	54.133	TRUE	3.08E-12
FEV1	DAXX	cg13826470	rs2239839	A	C	0.959	0.020	0.310	<1E-200	0.005	0.003	0.046	0.379	2261.272	TRUE	<1E-200
FEV1	DAXX	cg13826470	rs2269610	C	G	-0.258	0.031	0.163	7.26E-17	0.000	0.003	0.961	0.018	69.564	TRUE	1.32E-16
FEV1	DAXX	cg13826470	rs23544	T	C	0.222	0.024	0.410	1.09E-20	0.010	0.002	1.46E-05	0.023	86.947	TRUE	1.01E-18
FEV1	DAXX	cg13826470	rs34931270	A	G	0.802	0.085	0.024	2.55E-21	-0.007	0.007	0.311	0.024	89.817	TRUE	1.44E-20
FEV1	DAXX	cg13826470	rs493063	A	G	0.291	0.030	0.212	7.78E-23	-0.003	0.003	0.252	0.025	96.719	TRUE	5.79E-22
FEV1	DAXX	cg13826470	rs55844831	G	A	0.669	0.060	0.035	8.65E-29	0.005	0.006	0.452	0.032	123.880	TRUE	7.03E-28
FEV1	DAXX	cg13826470	rs622917	T	C	-0.223	0.023	0.472	1.92E-21	-0.001	0.002	0.584	0.024	90.376	TRUE	7.29E-21
FEV1	DAXX	cg13826470	rs6457734	T	G	-0.276	0.026	0.281	1.63E-26	-0.001	0.003	0.714	0.030	113.492	TRUE	7.27E-26
FEV1	DAXX	cg13826470	rs7750412	G	A	-0.182	0.030	0.193	7.74E-10	-0.003	0.003	0.401	0.010	37.805	TRUE	1.67E-09
FEV1	DAXX	cg13826470	rs9461921	A	G	0.134	0.023	0.492	9.22E-09	0.002	0.002	0.481	0.009	32.981	TRUE	1.69E-08
FEV1	DAXX	cg14910283	rs3130018	A	G	0.139	0.023	0.485	1.93E-09	0.005	0.002	0.036	0.010	36.023	TRUE	8.41E-09
FEV1	DAXX	cg18934106	rs2269610	C	G	-0.202	0.031	0.163	7.29E-11	0.000	0.003	0.961	0.011	42.417	TRUE	1.00E-10
FEV1	DAXX	cg20223162	rs10947459	T	G	0.224	0.032	0.167	2.38E-12	-0.004	0.003	0.269	0.013	49.118	TRUE	7.11E-12
FEV1	DAXX	cg20223162	rs111461772	A	C	0.370	0.053	0.042	2.37E-12	0.006	0.005	0.247	0.013	49.122	TRUE	7.36E-12
FEV1	DAXX	cg20223162	rs114542428	G	A	-0.417	0.045	0.075	4.22E-20	-0.019	0.005	6.23E-05	0.022	84.267	TRUE	2.80E-18
FEV1	DAXX	cg20223162	rs12190797	A	G	0.348	0.047	0.068	2.08E-13	0.008	0.005	0.125	0.014	53.903	TRUE	9.13E-13
FEV1	DAXX	cg20223162	rs151719	C	T	-0.198	0.027	0.248	2.11E-13	0.000	0.003	0.911	0.014	53.871	TRUE	3.42E-13
FEV1	DAXX	cg20223162	rs2071556	G	T	-0.138	0.024	0.407	8.06E-09	-0.001	0.002	0.731	0.009	33.242	TRUE	1.21E-08
FEV1	DAXX	cg20223162	rs210134	A	G	-0.293	0.025	0.312	6.18E-32	-0.011	0.003	1.16E-05	0.036	138.252	TRUE	3.65E-29
FEV1	DAXX	cg20223162	rs2104362	G	A	-0.148	0.026	0.272	1.14E-08	-0.004	0.003	0.116	0.009	32.577	TRUE	3.36E-08
FEV1	DAXX	cg20223162	rs443972	C	T	-0.539	0.074	0.035	4.34E-13	0.002	0.006	0.733	0.014	52.457	TRUE	8.12E-13
FEV1	DAXX	cg20223162	rs467274	T	C	-0.490	0.036	0.110	4.72E-42	0.010	0.004	0.006	0.048	184.534	TRUE	1.74E-39

FEV1	DAXX	cg20223162	rs469064	A	C	0.824	0.020	0.498	<1E-200	0.004	0.002	0.064	0.319	1728.854	TRUE	<1E-200
FEV1	DAXX	cg20223162	rs4713637	C	G	0.237	0.030	0.203	5.34E-15	-0.002	0.003	0.430	0.016	61.098	TRUE	1.56E-14
FEV1	DAXX	cg20223162	rs4713651	T	C	-0.230	0.030	0.182	2.14E-14	0.002	0.003	0.622	0.016	58.367	TRUE	4.90E-14
FEV1	DAXX	cg20223162	rs55844831	G	A	0.466	0.061	0.035	1.44E-14	0.005	0.006	0.452	0.016	59.147	TRUE	3.96E-14
FEV1	DAXX	cg20223162	rs59248104	G	A	-0.207	0.037	0.124	1.48E-08	-0.009	0.004	0.009	0.009	32.058	TRUE	7.45E-08
FEV1	DAXX	cg20223162	rs761583	G	A	0.459	0.059	0.041	1.13E-14	0.027	0.006	1.59E-06	0.016	59.623	TRUE	5.95E-13
FEV1	DAXX	cg20223162	rs77412621	T	C	0.406	0.060	0.045	1.40E-11	-0.007	0.005	0.187	0.012	45.651	TRUE	4.55E-11
FEV1	DAXX	cg20223162	rs9469494	G	A	0.140	0.026	0.288	4.17E-08	0.006	0.003	0.011	0.008	30.054	TRUE	1.95E-07
FEV1	DAXX	cg20618109	rs2051625	C	T	0.784	0.102	0.012	1.48E-14	-0.006	0.011	0.608	0.016	59.091	TRUE	3.42E-14
FEV1	DAXX	cg22904406	rs2239839	A	C	0.396	0.025	0.310	8.57E-55	0.005	0.003	0.046	0.062	242.904	TRUE	6.98E-52
FEV1	DAXX	cg22904406	rs3130257	T	C	-0.196	0.034	0.126	1.40E-08	0.006	0.004	0.070	0.009	32.171	TRUE	4.64E-08
FEV1	DAXX	cg26500914	rs3106194	A	G	0.397	0.025	0.310	4.67E-55	0.005	0.003	0.048	0.062	244.112	TRUE	3.95E-52
FEV1	DAXX	cg26521092	rs12202730	T	C	0.285	0.045	0.071	3.40E-10	0.005	0.005	0.301	0.011	39.411	TRUE	8.40E-10
FEV1	DAXX	cg26521092	rs210129	G	A	-0.201	0.029	0.202	1.87E-12	-0.011	0.003	1.21E-04	0.013	49.587	TRUE	3.43E-11
FEV1	DAXX	cg26521092	rs2239839	A	C	0.620	0.024	0.310	3.58E-145	0.005	0.003	0.046	0.151	657.898	TRUE	5.32E-134
FEV1	DAXX	cg26521092	rs2269610	C	G	-0.195	0.031	0.163	2.07E-10	0.000	0.003	0.961	0.011	40.379	TRUE	2.79E-10
FEV1	DAXX	cg26521092	rs23544	T	C	0.139	0.024	0.410	3.67E-09	0.010	0.002	1.46E-05	0.009	34.771	TRUE	5.07E-08
FEV1	DAXX	cg26521092	rs34931270	A	G	0.516	0.085	0.024	1.21E-09	-0.007	0.007	0.311	0.010	36.939	TRUE	2.82E-09
FEV1	DAXX	cg26521092	rs55844831	G	A	0.487	0.059	0.035	2.48E-16	0.005	0.006	0.452	0.018	67.140	TRUE	7.70E-16
FEV1	DAXX	cg26521092	rs78581891	C	G	0.412	0.074	0.029	2.03E-08	0.000	0.007	0.972	0.008	31.446	TRUE	2.56E-08
FEV1	DAXX	cg26521092	rs9469525	A	G	0.184	0.029	0.205	3.76E-10	0.000	0.003	0.962	0.010	39.213	TRUE	5.03E-10
FEV1	DAXX	cg27052777	rs3130018	A	G	0.195	0.023	0.485	7.94E-17	0.005	0.002	0.036	0.018	69.387	TRUE	7.57E-16
FEV1	DCC	cg00399483	rs1222938	G	A	-0.157	0.027	0.262	7.15E-09	0.009	0.003	7.86E-04	0.009	33.475	TRUE	5.89E-08
FEV1	DCC	cg00399483	rs12965852	A	G	-0.340	0.049	0.062	5.41E-12	0.000	0.005	0.928	0.013	47.508	TRUE	8.06E-12
FEV1	DCC	cg00399483	rs2060125	C	T	-0.173	0.024	0.372	3.86E-13	0.003	0.002	0.165	0.014	52.684	TRUE	1.53E-12
FEV1	DCC	cg00399483	rs7242705	A	T	0.461	0.024	0.360	1.28E-83	-0.008	0.002	8.31E-04	0.092	375.147	TRUE	1.46E-77
FEV1	DCC	cg00399483	rs9952404	C	T	-0.228	0.024	0.340	1.26E-20	0.006	0.002	0.010	0.023	86.664	TRUE	2.75E-19
FEV1	DCC	cg05416337	rs10502942	T	C	-0.969	0.034	0.112	2.46E-183	0.003	0.004	0.445	0.184	833.317	TRUE	1.42E-168
FEV1	DCC	cg05416337	rs1144049	C	T	-0.191	0.024	0.447	5.67E-16	0.001	0.002	0.832	0.017	65.514	TRUE	1.13E-15
FEV1	DCC	cg05416337	rs117072189	G	T	-0.637	0.089	0.023	7.75E-13	0.010	0.008	0.251	0.014	51.316	TRUE	2.51E-12
FEV1	DCC	cg05416337	rs1222914	C	G	0.303	0.042	0.078	5.23E-13	0.006	0.004	0.144	0.014	52.087	TRUE	2.12E-12
FEV1	DCC	cg05416337	rs12457059	A	C	0.448	0.030	0.193	1.38E-51	-0.008	0.003	0.004	0.058	228.208	TRUE	2.51E-48
FEV1	DCC	cg05416337	rs12607660	T	C	-0.182	0.024	0.458	1.47E-14	-0.001	0.002	0.769	0.016	59.103	TRUE	2.91E-14
FEV1	DCC	cg05416337	rs12608309	C	T	-0.240	0.039	0.097	7.26E-10	0.002	0.004	0.654	0.010	37.928	TRUE	1.24E-09
FEV1	DCC	cg05416337	rs1443579	T	C	0.478	0.031	0.161	3.87E-52	0.004	0.003	0.235	0.059	230.737	TRUE	6.53E-50
FEV1	DCC	cg05416337	rs1445104	G	T	-0.163	0.023	0.481	2.59E-12	-0.003	0.002	0.283	0.013	48.950	TRUE	7.70E-12
FEV1	DCC	cg05416337	rs145810822	G	T	-0.904	0.095	0.033	1.12E-21	-0.009	0.008	0.211	0.024	91.448	TRUE	7.96E-21
FEV1	DCC	cg05416337	rs1562175	T	C	-0.356	0.031	0.165	2.42E-30	0.001	0.003	0.755	0.034	130.973	TRUE	1.42E-29
FEV1	DCC	cg05416337	rs16954946	C	G	0.392	0.068	0.030	9.73E-09	-0.009	0.007	0.232	0.009	32.878	TRUE	2.35E-08
FEV1	DCC	cg05416337	rs17669415	G	C	0.564	0.024	0.319	1.03E-119	-0.009	0.003	3.21E-04	0.128	540.915	TRUE	6.72E-110
FEV1	DCC	cg05416337	rs17669944	T	C	-0.585	0.053	0.047	5.82E-28	0.000	0.005	0.943	0.031	120.101	TRUE	2.19E-27
FEV1	DCC	cg05416337	rs28439197	G	A	-0.177	0.024	0.454	1.31E-13	-0.001	0.002	0.716	0.015	54.807	TRUE	2.62E-13

FEV1	DCC	cg05416337	rs2850943	C	T	-0.443	0.040	0.095	8.61E-29	0.000	0.004	0.983	0.032	123.889	TRUE	3.25E-28
FEV1	DCC	cg05416337	rs34220152	G	C	-0.828	0.114	0.021	4.03E-13	-0.004	0.008	0.644	0.014	52.597	TRUE	8.23E-13
FEV1	DCC	cg05416337	rs35624144	C	T	-0.151	0.024	0.476	2.40E-10	-0.001	0.002	0.696	0.011	40.092	TRUE	3.98E-10
FEV1	DCC	cg05416337	rs4041457	A	G	-1.054	0.025	0.194	<1E-200	0.000	0.003	0.917	0.320	1741.031	TRUE	<1E-200
FEV1	DCC	cg05416337	rs62081913	T	C	-0.440	0.061	0.041	4.37E-13	-0.010	0.007	0.140	0.014	52.439	TRUE	1.80E-12
FEV1	DCC	cg05416337	rs72922665	A	G	-0.307	0.035	0.129	4.12E-18	-0.005	0.004	0.167	0.020	75.222	TRUE	2.47E-17
FEV1	DCC	cg05416337	rs75117057	T	A	-0.806	0.078	0.024	3.98E-25	0.014	0.007	0.060	0.028	107.164	TRUE	7.16E-24
FEV1	DCC	cg05416337	rs8089622	G	T	0.158	0.029	0.200	3.69E-08	-0.004	0.003	0.142	0.008	30.287	TRUE	1.00E-07
FEV1	DCC	cg18841634	rs7242705	A	T	-0.253	0.024	0.360	1.33E-25	-0.008	0.002	8.31E-04	0.029	109.328	TRUE	1.09E-23
FEV1	DCC	cg18866015	rs2879423	C	G	-0.195	0.027	0.238	7.82E-13	0.004	0.003	0.139	0.014	51.300	TRUE	3.16E-12
FEV1	DCC	cg18866015	rs34420569	C	T	0.188	0.024	0.385	3.71E-15	-0.006	0.002	0.016	0.016	61.815	TRUE	3.67E-14
FEV1	DCC	cg18866015	rs9950982	T	C	-0.217	0.027	0.249	1.96E-15	0.007	0.003	0.007	0.017	63.073	TRUE	2.41E-14
FEV1	DCC	cg18866015	rs9966338	G	C	-0.328	0.024	0.338	2.19E-41	0.007	0.002	0.005	0.047	181.484	TRUE	8.31E-39
FEV1	DCC	cg20917891	rs7242705	A	T	0.300	0.024	0.360	8.35E-36	-0.008	0.002	8.31E-04	0.040	155.942	TRUE	2.79E-33
FEV1	DCC	cg21623566	rs17747515	T	C	0.151	0.025	0.318	1.09E-09	-0.009	0.003	3.23E-04	0.010	37.138	TRUE	1.13E-08
FEV1	DCC	cg24084891	rs76178218	T	C	-0.195	0.031	0.161	3.97E-10	0.003	0.003	0.269	0.010	39.106	TRUE	1.01E-09
FEV1	DCC	cg25602457	rs13381479	T	G	0.348	0.025	0.316	3.02E-44	-0.010	0.003	1.58E-04	0.050	194.580	TRUE	5.99E-41
FEV1	DCC	cg25818763	rs8083215	A	G	-0.187	0.025	0.323	5.54E-14	-0.010	0.003	9.06E-05	0.015	56.499	TRUE	1.33E-12
FEV1	DDIT3	cg08984436	rs536957166	T	C	0.840	0.118	0.020	8.93E-13	-0.020	0.009	0.022	0.014	51.038	TRUE	6.27E-12
FEV1	DDIT4	cg01839993	rs10762504	A	C	0.208	0.025	0.345	2.58E-17	0.010	0.002	2.40E-05	0.019	71.603	TRUE	1.41E-15
FEV1	DDIT4	cg10592592	rs4746110	T	C	0.141	0.025	0.360	1.01E-08	0.009	0.002	2.09E-04	0.009	32.801	TRUE	9.67E-08
FEV1	DDIT4	cg20897136	rs4746110	T	C	0.148	0.025	0.360	1.65E-09	0.009	0.002	2.09E-04	0.010	36.334	TRUE	1.80E-08
FEV1	DDX47	cg13523561	rs56303669	G	T	0.366	0.038	0.173	5.58E-22	0.003	0.003	0.351	0.024	92.822	TRUE	3.09E-21
FEV1	DDX47	cg14463304	rs11834397	G	T	0.156	0.024	0.364	1.56E-10	0.006	0.003	0.009	0.011	40.931	TRUE	9.91E-10
FEV1	DDX47	cg21196265	rs11055070	G	A	-0.143	0.024	0.358	4.27E-09	0.002	0.002	0.414	0.009	34.479	TRUE	8.65E-09
FEV1	DDX47	cg21196265	rs11832039	G	C	0.174	0.025	0.367	1.64E-12	0.007	0.002	0.005	0.013	49.848	TRUE	1.58E-11
FEV1	DEF8	cg01883217	rs11649196	A	G	-0.343	0.033	0.145	1.01E-24	0.002	0.003	0.524	0.028	105.317	TRUE	5.15E-24
FEV1	DEF8	cg01883217	rs11649211	G	C	-0.500	0.025	0.281	4.06E-87	-0.001	0.003	0.778	0.096	391.209	TRUE	3.10E-83
FEV1	DEF8	cg01883217	rs12595968	T	G	0.268	0.048	0.066	2.06E-08	0.011	0.005	0.018	0.008	31.422	TRUE	8.97E-08
FEV1	DEF8	cg01883217	rs146018050	C	G	-0.810	0.138	0.016	3.88E-09	-0.002	0.010	0.879	0.009	34.666	TRUE	5.35E-09
FEV1	DEF8	cg01883217	rs147123965	T	C	-0.472	0.061	0.035	7.74E-15	-0.007	0.007	0.291	0.016	60.367	TRUE	2.70E-14
FEV1	DEF8	cg01883217	rs150237316	T	C	-0.446	0.070	0.030	1.37E-10	0.002	0.007	0.747	0.011	41.187	TRUE	2.24E-10
FEV1	DEF8	cg01883217	rs150246110	A	G	-0.555	0.089	0.014	5.00E-10	0.000	0.009	0.982	0.010	38.658	TRUE	6.60E-10
FEV1	DEF8	cg01883217	rs17719735	A	G	0.272	0.050	0.065	4.76E-08	0.007	0.005	0.186	0.008	29.797	TRUE	1.17E-07
FEV1	DEF8	cg01883217	rs17774983	T	C	-0.561	0.066	0.030	2.13E-17	-0.001	0.007	0.917	0.019	71.986	TRUE	4.22E-17
FEV1	DEF8	cg01883217	rs187492937	G	C	0.371	0.063	0.046	5.14E-09	-0.002	0.006	0.765	0.009	34.116	TRUE	7.69E-09
FEV1	DEF8	cg01883217	rs34686253	C	T	0.466	0.066	0.038	1.85E-12	0.004	0.006	0.509	0.013	49.615	TRUE	4.13E-12
FEV1	DEF8	cg01883217	rs4248913	A	C	0.329	0.039	0.095	2.79E-17	-0.002	0.004	0.638	0.019	71.450	TRUE	7.33E-17
FEV1	DEF8	cg01883217	rs4627348	T	C	0.253	0.024	0.376	1.10E-25	0.002	0.002	0.471	0.029	109.713	TRUE	6.88E-25
FEV1	DEF8	cg01883217	rs58889676	T	A	0.501	0.084	0.022	1.98E-09	-0.005	0.009	0.581	0.010	35.974	TRUE	3.48E-09
FEV1	DEF8	cg01883217	rs62054623	G	A	-0.678	0.048	0.058	9.72E-46	0.015	0.005	0.001	0.052	201.413	TRUE	1.19E-42
FEV1	DEF8	cg01883217	rs66701606	T	C	0.302	0.027	0.256	4.41E-29	0.004	0.003	0.113	0.033	125.215	TRUE	8.97E-28

FEV1	DEF8	cg01883217	rs7200403	G	A	0.393	0.024	0.366	2.52E-58	0.002	0.003	0.556	0.065	259.095	TRUE	4.17E-56
FEV1	DEF8	cg01883217	rs7205758	A	G	-0.173	0.024	0.357	1.02E-12	0.006	0.003	0.009	0.014	50.768	TRUE	8.47E-12
FEV1	DEF8	cg01883217	rs9933533	C	T	-0.140	0.023	0.479	2.27E-09	-0.003	0.002	0.231	0.010	35.704	TRUE	5.82E-09
FEV1	DEF8	cg02061948	rs11646910	A	G	-0.311	0.039	0.103	1.20E-15	-0.004	0.004	0.348	0.017	64.044	TRUE	4.11E-15
FEV1	DEF8	cg02061948	rs11859206	C	A	-0.736	0.036	0.116	3.78E-95	-0.003	0.004	0.454	0.104	428.082	TRUE	3.15E-90
FEV1	DEF8	cg02061948	rs13336744	T	G	-0.541	0.080	0.030	1.13E-11	-0.005	0.008	0.544	0.012	46.056	TRUE	2.36E-11
FEV1	DEF8	cg02061948	rs150246110	A	G	-0.702	0.088	0.014	2.07E-15	0.000	0.009	0.982	0.017	62.964	TRUE	3.46E-15
FEV1	DEF8	cg02061948	rs34539781	T	C	0.285	0.039	0.094	4.46E-13	0.010	0.004	0.011	0.014	52.401	TRUE	3.82E-12
FEV1	DEF8	cg02061948	rs4461072	G	C	-0.268	0.033	0.157	7.62E-16	0.003	0.003	0.379	0.017	64.931	TRUE	2.52E-15
FEV1	DEF8	cg02061948	rs4785775	A	C	-0.158	0.024	0.397	2.56E-11	-0.003	0.003	0.308	0.012	44.465	TRUE	6.85E-11
FEV1	DEF8	cg02061948	rs67632157	A	G	0.163	0.024	0.420	9.77E-12	0.007	0.002	0.002	0.012	46.349	TRUE	9.50E-11
FEV1	DEF8	cg02061948	rs7184956	T	C	-0.225	0.024	0.374	9.50E-21	0.002	0.002	0.395	0.023	87.216	TRUE	4.52E-20
FEV1	DEF8	cg02061948	rs8060230	T	C	-0.528	0.063	0.030	5.21E-17	-0.007	0.007	0.280	0.019	70.219	TRUE	2.20E-16
FEV1	DEF8	cg02061948	rs8062311	A	G	-0.233	0.034	0.136	4.36E-12	-0.008	0.003	0.018	0.013	47.928	TRUE	2.92E-11
FEV1	DEF8	cg03721293	rs11076647	C	A	-0.137	0.025	0.306	4.68E-08	-0.003	0.003	0.246	0.008	29.829	TRUE	1.05E-07
FEV1	DEF8	cg03721293	rs11640198	T	C	0.150	0.027	0.251	2.62E-08	0.001	0.003	0.655	0.008	30.952	TRUE	4.13E-08
FEV1	DEF8	cg03721293	rs11649196	A	G	0.333	0.033	0.145	1.33E-23	0.002	0.003	0.524	0.026	100.221	TRUE	6.19E-23
FEV1	DEF8	cg03721293	rs1558151	A	T	0.171	0.028	0.223	1.54E-09	0.005	0.003	0.063	0.010	36.458	TRUE	5.94E-09
FEV1	DEF8	cg03721293	rs62068712	G	A	0.191	0.031	0.167	1.29E-09	0.007	0.003	0.034	0.010	36.809	TRUE	5.62E-09
FEV1	DEF8	cg03721293	rs78517194	C	A	0.730	0.044	0.067	5.93E-61	0.010	0.004	0.025	0.068	271.146	TRUE	1.78E-57
FEV1	DEF8	cg03987653	rs10153134	C	T	-0.137	0.025	0.350	2.45E-08	0.004	0.002	0.079	0.008	31.084	TRUE	7.89E-08
FEV1	DEF8	cg03987653	rs11639655	G	A	-0.144	0.026	0.322	2.44E-08	0.003	0.003	0.331	0.008	31.090	TRUE	5.04E-08
FEV1	DEF8	cg03987653	rs145268882	A	G	0.275	0.050	0.054	2.90E-08	-0.010	0.005	0.048	0.008	30.755	TRUE	1.04E-07
FEV1	DEF8	cg03987653	rs150237316	T	C	-0.405	0.070	0.030	5.79E-09	0.002	0.007	0.747	0.009	33.887	TRUE	8.74E-09
FEV1	DEF8	cg03987653	rs4365288	A	G	-0.845	0.049	0.052	4.07E-67	0.014	0.005	0.004	0.075	299.419	TRUE	9.28E-63
FEV1	DEF8	cg03987653	rs4785699	T	G	-0.173	0.027	0.233	2.98E-10	0.005	0.003	0.093	0.011	39.666	TRUE	1.10E-09
FEV1	DEF8	cg03987653	rs4785749	T	C	0.153	0.024	0.382	2.75E-10	0.002	0.002	0.419	0.011	39.820	TRUE	6.03E-10
FEV1	DEF8	cg04591799	rs10153134	C	T	-0.132	0.024	0.350	4.68E-08	0.004	0.002	0.079	0.008	29.830	TRUE	1.46E-07
FEV1	DEF8	cg04591799	rs35078537	C	G	-0.192	0.029	0.187	5.54E-11	0.003	0.003	0.328	0.011	42.954	TRUE	1.41E-10
FEV1	DEF8	cg04591799	rs55911767	G	A	-0.172	0.028	0.223	1.25E-09	0.008	0.003	0.003	0.010	36.866	TRUE	9.14E-09
FEV1	DEF8	cg04591799	rs78260644	G	A	-0.567	0.049	0.052	5.18E-31	0.015	0.005	0.002	0.035	134.032	TRUE	6.19E-29
FEV1	DEF8	cg04752812	rs11640198	T	C	0.148	0.027	0.251	3.54E-08	0.001	0.003	0.655	0.008	30.368	TRUE	5.54E-08
FEV1	DEF8	cg04752812	rs11649196	A	G	0.193	0.033	0.145	6.95E-09	0.002	0.003	0.524	0.009	33.530	TRUE	1.23E-08
FEV1	DEF8	cg04752812	rs4785775	A	C	-0.132	0.024	0.397	2.63E-08	-0.003	0.003	0.308	0.008	30.946	TRUE	5.65E-08
FEV1	DEF8	cg04752812	rs78517194	C	A	0.551	0.045	0.067	4.27E-35	0.010	0.004	0.025	0.040	152.701	TRUE	3.53E-33
FEV1	DEF8	cg05185784	rs12933826	C	T	-0.378	0.044	0.077	7.07E-18	0.001	0.005	0.808	0.020	74.157	TRUE	1.60E-17
FEV1	DEF8	cg05185784	rs146972365	C	T	0.439	0.039	0.094	9.52E-30	0.001	0.004	0.894	0.034	128.258	TRUE	4.29E-29
FEV1	DEF8	cg05185784	rs150246110	A	G	-0.779	0.089	0.014	2.24E-18	0.000	0.009	0.982	0.020	76.424	TRUE	4.36E-18
FEV1	DEF8	cg05185784	rs164753	C	T	0.224	0.031	0.187	7.02E-13	0.009	0.003	0.005	0.014	51.511	TRUE	6.97E-12
FEV1	DEF8	cg05185784	rs186335715	G	A	-0.758	0.112	0.011	1.37E-11	0.003	0.013	0.838	0.012	45.683	TRUE	2.18E-11
FEV1	DEF8	cg05185784	rs2241034	G	A	-0.241	0.034	0.153	7.58E-13	0.009	0.003	0.007	0.014	51.360	TRUE	7.11E-12
FEV1	DEF8	cg05185784	rs2279350	T	C	0.187	0.033	0.150	1.05E-08	0.005	0.003	0.101	0.009	32.733	TRUE	3.22E-08

FEV1	DEF8	cg05185784	rs3114892	G	A	0.170	0.024	0.433	4.70E-13	0.003	0.002	0.273	0.014	52.296	TRUE	1.47E-12
FEV1	DEF8	cg05185784	rs34686253	C	T	0.453	0.066	0.038	7.54E-12	0.004	0.006	0.509	0.013	46.857	TRUE	1.62E-11
FEV1	DEF8	cg05185784	rs35754755	T	C	-0.896	0.064	0.031	1.91E-44	0.012	0.007	0.092	0.050	195.494	TRUE	2.52E-42
FEV1	DEF8	cg05185784	rs35859096	G	C	-0.409	0.028	0.217	5.49E-48	0.004	0.003	0.143	0.054	211.710	TRUE	8.15E-46
FEV1	DEF8	cg05185784	rs3803686	C	A	-0.797	0.029	0.181	2.51E-170	0.003	0.003	0.299	0.173	773.517	TRUE	4.96E-157
FEV1	DEF8	cg05185784	rs3829499	C	G	-0.191	0.028	0.241	5.32E-12	0.007	0.003	0.016	0.013	47.539	TRUE	3.62E-11
FEV1	DEF8	cg05185784	rs4519330	A	G	0.177	0.026	0.286	1.86E-11	-0.001	0.003	0.807	0.012	45.090	TRUE	3.04E-11
FEV1	DEF8	cg05185784	rs4627348	T	C	0.321	0.024	0.376	7.90E-41	0.002	0.002	0.471	0.046	178.930	TRUE	2.04E-39
FEV1	DEF8	cg05185784	rs55749251	G	T	0.307	0.033	0.154	7.45E-21	0.006	0.003	0.075	0.023	87.695	TRUE	8.25E-20
FEV1	DEF8	cg05185784	rs56240065	A	G	-0.667	0.053	0.049	2.02E-36	-0.003	0.005	0.576	0.041	158.767	TRUE	2.66E-35
FEV1	DEF8	cg05185784	rs62067101	T	C	-0.595	0.090	0.017	3.58E-11	0.010	0.008	0.180	0.012	43.810	TRUE	1.15E-10
FEV1	DEF8	cg05185784	rs7200403	G	A	0.408	0.024	0.366	4.66E-63	0.002	0.003	0.556	0.071	280.799	TRUE	1.46E-60
FEV1	DEF8	cg05185784	rs77497623	G	T	-0.359	0.037	0.108	9.75E-22	-0.002	0.004	0.636	0.024	91.717	TRUE	3.44E-21
FEV1	DEF8	cg05185784	rs78908302	G	A	-0.290	0.028	0.210	1.19E-24	-0.002	0.003	0.401	0.028	104.992	TRUE	7.40E-24
FEV1	DEF8	cg05185784	rs79541707	T	A	0.489	0.070	0.030	2.87E-12	0.000	0.007	0.996	0.013	48.750	TRUE	4.09E-12
FEV1	DEF8	cg05185784	rs9921599	T	C	-0.240	0.043	0.084	1.80E-08	0.004	0.004	0.402	0.008	31.678	TRUE	3.52E-08
FEV1	DEF8	cg05185784	rs9921920	C	G	0.202	0.027	0.268	1.86E-13	-0.002	0.003	0.389	0.014	54.123	TRUE	5.23E-13
FEV1	DEF8	cg05185784	rs9923604	C	G	-0.364	0.029	0.184	2.42E-35	0.002	0.003	0.590	0.040	153.830	TRUE	2.78E-34
FEV1	DEF8	cg12064134	rs1029673	G	T	-0.223	0.027	0.253	1.36E-16	0.001	0.003	0.601	0.018	68.321	TRUE	3.64E-16
FEV1	DEF8	cg12064134	rs116902829	G	C	0.562	0.098	0.015	9.96E-09	-0.005	0.010	0.603	0.009	32.831	TRUE	1.65E-08
FEV1	DEF8	cg12064134	rs117991811	A	G	-0.645	0.110	0.014	4.72E-09	0.002	0.010	0.818	0.009	34.284	TRUE	6.79E-09
FEV1	DEF8	cg12064134	rs118144846	G	A	0.934	0.109	0.014	1.22E-17	-0.008	0.010	0.451	0.019	73.076	TRUE	4.18E-17
FEV1	DEF8	cg12064134	rs13330208	G	T	-1.011	0.141	0.015	7.82E-13	-0.001	0.012	0.955	0.014	51.300	TRUE	1.19E-12
FEV1	DEF8	cg12064134	rs142969375	G	A	-0.907	0.150	0.014	1.56E-09	0.013	0.012	0.279	0.010	36.436	TRUE	3.76E-09
FEV1	DEF8	cg12064134	rs150246110	A	G	-1.029	0.089	0.014	4.09E-31	0.000	0.009	0.982	0.035	134.502	TRUE	1.83E-30
FEV1	DEF8	cg12064134	rs186335715	G	A	-0.767	0.112	0.011	7.76E-12	0.003	0.013	0.838	0.012	46.799	TRUE	1.25E-11
FEV1	DEF8	cg12064134	rs2241034	G	A	-0.385	0.033	0.153	1.00E-30	0.009	0.003	0.007	0.035	132.721	TRUE	8.23E-29
FEV1	DEF8	cg12064134	rs35078537	C	G	-0.277	0.030	0.187	9.33E-21	0.003	0.003	0.328	0.023	87.251	TRUE	4.96E-20
FEV1	DEF8	cg12064134	rs35754755	T	C	-0.944	0.064	0.031	2.57E-49	0.012	0.007	0.092	0.056	217.800	TRUE	6.37E-47
FEV1	DEF8	cg12064134	rs3803686	C	A	-0.874	0.028	0.181	1.48E-209	0.003	0.003	0.299	0.205	953.861	TRUE	1.19E-190
FEV1	DEF8	cg12064134	rs3829499	C	G	-0.199	0.028	0.241	7.18E-13	0.007	0.003	0.016	0.014	51.467	TRUE	5.40E-12
FEV1	DEF8	cg12064134	rs4627348	T	C	0.264	0.024	0.376	4.61E-28	0.002	0.002	0.471	0.032	120.564	TRUE	3.52E-27
FEV1	DEF8	cg12064134	rs56240065	A	G	-0.644	0.053	0.049	4.68E-34	-0.003	0.005	0.576	0.038	147.946	TRUE	4.96E-33
FEV1	DEF8	cg12064134	rs7191944	G	C	0.192	0.026	0.298	7.26E-14	0.003	0.003	0.234	0.015	55.968	TRUE	2.61E-13
FEV1	DEF8	cg12064134	rs7200083	A	G	-0.280	0.032	0.162	4.14E-18	0.004	0.003	0.224	0.020	75.214	TRUE	2.08E-17
FEV1	DEF8	cg12064134	rs74037227	A	G	0.219	0.032	0.154	9.21E-12	-0.001	0.003	0.776	0.012	46.465	TRUE	1.56E-11
FEV1	DEF8	cg12064134	rs74466939	T	C	-0.230	0.040	0.098	1.17E-08	0.004	0.004	0.262	0.009	32.515	TRUE	2.71E-08
FEV1	DEF8	cg12064134	rs74548542	G	A	-0.730	0.064	0.030	5.72E-30	-0.006	0.006	0.348	0.034	129.268	TRUE	6.31E-29
FEV1	DEF8	cg12064134	rs74800773	G	C	0.378	0.037	0.107	1.27E-24	-0.001	0.004	0.797	0.028	104.868	TRUE	4.53E-24
FEV1	DEF8	cg12064134	rs76180276	T	C	0.295	0.053	0.055	3.09E-08	0.000	0.006	0.947	0.008	30.631	TRUE	3.93E-08
FEV1	DEF8	cg12064134	rs77497623	G	T	-0.234	0.038	0.108	4.65E-10	-0.002	0.004	0.636	0.010	38.798	TRUE	8.03E-10
FEV1	DEF8	cg12064134	rs8064126	T	A	0.294	0.024	0.370	7.95E-34	-0.002	0.003	0.467	0.038	146.895	TRUE	9.83E-33

FEV1	DEF8	cg16504670	rs13335091	T	C	0.413	0.033	0.138	2.69E-36	0.004	0.003	0.219	0.041	158.193	TRUE	7.84E-35
FEV1	DEF8	cg16504670	rs3212369	G	A	0.305	0.031	0.160	1.65E-22	0.005	0.003	0.122	0.025	95.234	TRUE	1.68E-21
FEV1	DEF8	cg16504670	rs4785762	G	A	0.167	0.024	0.404	3.31E-12	0.003	0.002	0.182	0.013	48.470	TRUE	1.15E-11
FEV1	DEF8	cg16504670	rs77463543	T	C	0.175	0.032	0.151	4.94E-08	0.005	0.003	0.112	0.008	29.725	TRUE	1.37E-07
FEV1	DEF8	cg25193494	rs12933826	C	T	-0.323	0.044	0.077	1.92E-13	0.001	0.005	0.808	0.014	54.055	TRUE	3.42E-13
FEV1	DEF8	cg25193494	rs13330208	G	T	-0.835	0.141	0.015	3.58E-09	-0.001	0.012	0.955	0.009	34.822	TRUE	4.68E-09
FEV1	DEF8	cg25193494	rs148176774	G	A	0.450	0.073	0.030	6.62E-10	-0.002	0.007	0.823	0.010	38.109	TRUE	9.81E-10
FEV1	DEF8	cg25193494	rs148694296	T	C	0.447	0.074	0.030	1.62E-09	0.004	0.007	0.584	0.010	36.362	TRUE	2.85E-09
FEV1	DEF8	cg25193494	rs150246110	A	G	-1.400	0.088	0.014	7.25E-57	0.000	0.009	0.982	0.064	252.405	TRUE	4.17E-55
FEV1	DEF8	cg25193494	rs35754755	T	C	-0.614	0.065	0.031	1.71E-21	0.012	0.007	0.092	0.024	90.604	TRUE	1.81E-20
FEV1	DEF8	cg25193494	rs35859096	G	C	-0.359	0.028	0.217	5.06E-37	0.004	0.003	0.143	0.042	161.512	TRUE	2.04E-35
FEV1	DEF8	cg25193494	rs3803686	C	A	-0.718	0.029	0.181	1.61E-135	0.003	0.003	0.299	0.142	613.541	TRUE	1.96E-126
FEV1	DEF8	cg25193494	rs4129126	A	C	0.161	0.025	0.307	2.94E-10	0.007	0.003	0.011	0.011	39.691	TRUE	1.85E-09
FEV1	DEF8	cg25193494	rs4627348	T	C	0.241	0.024	0.376	1.51E-23	0.002	0.002	0.471	0.026	99.969	TRUE	7.94E-23
FEV1	DEF8	cg25193494	rs4785766	C	A	0.167	0.030	0.183	2.80E-08	-0.003	0.003	0.327	0.008	30.828	TRUE	5.87E-08
FEV1	DEF8	cg25193494	rs56240065	A	G	-0.446	0.053	0.049	5.66E-17	-0.003	0.005	0.576	0.019	70.053	TRUE	1.58E-16
FEV1	DEF8	cg25193494	rs56378598	T	C	0.207	0.026	0.278	3.02E-15	0.004	0.003	0.163	0.017	62.218	TRUE	1.44E-14
FEV1	DEF8	cg25193494	rs62054652	T	C	-0.369	0.049	0.059	8.02E-14	-0.005	0.005	0.318	0.015	55.772	TRUE	2.51E-13
FEV1	DEF8	cg25193494	rs7200403	G	A	0.303	0.025	0.366	6.32E-35	0.002	0.003	0.556	0.039	151.923	TRUE	7.54E-34
FEV1	DEF8	cg25193494	rs74548542	G	A	-0.463	0.065	0.030	7.65E-13	-0.006	0.006	0.348	0.014	51.343	TRUE	2.13E-12
FEV1	DEF8	cg25193494	rs77497623	G	T	-0.353	0.037	0.108	5.07E-21	-0.002	0.004	0.636	0.023	88.457	TRUE	1.70E-20
FEV1	DEF8	cg25193494	rs77770855	A	G	0.348	0.039	0.092	1.10E-18	0.000	0.004	0.954	0.021	77.838	TRUE	2.22E-18
FEV1	DEF8	cg25193494	rs78908302	G	A	-0.210	0.028	0.210	1.48E-13	-0.002	0.003	0.401	0.015	54.564	TRUE	4.03E-13
FEV1	DEF8	cg25193494	rs9921920	C	G	0.179	0.027	0.268	7.55E-11	-0.002	0.003	0.389	0.011	42.348	TRUE	1.78E-10
FEV1	DEF8	cg25193494	rs9923604	C	G	-0.217	0.030	0.184	1.80E-13	0.002	0.003	0.590	0.014	54.180	TRUE	3.95E-13
FEV1	DEF8	cg26894841	rs12921906	A	G	-0.216	0.033	0.147	3.30E-11	0.010	0.003	0.002	0.012	43.965	TRUE	3.16E-10
FEV1	DEF8	cg26894841	rs7498985	A	G	-0.147	0.023	0.476	1.48E-10	0.001	0.002	0.539	0.011	41.036	TRUE	2.87E-10
FEV1	DEF8	cg26894841	rs9923654	C	T	-0.267	0.030	0.183	4.13E-19	0.005	0.003	0.098	0.021	79.766	TRUE	3.38E-18
FEV1	DEPDC5	cg01249860	rs117858155	T	C	0.589	0.083	0.019	1.03E-12	-0.018	0.009	0.045	0.014	50.761	TRUE	5.89E-12
FEV1	DEPDC5	cg01249860	rs149516999	A	G	0.628	0.081	0.022	6.27E-15	0.001	0.008	0.956	0.016	60.783	TRUE	1.05E-14
FEV1	DEPDC5	cg01249860	rs5998152	C	T	0.158	0.027	0.249	5.92E-09	0.002	0.003	0.482	0.009	33.841	TRUE	1.11E-08
FEV1	DEPDC5	cg04112842	rs5998151	A	G	-0.334	0.038	0.101	9.70E-19	-0.006	0.004	0.126	0.021	78.076	TRUE	6.69E-18
FEV1	DEPDC5	cg13263830	rs11089505	G	A	-0.323	0.055	0.100	4.99E-09	-0.007	0.004	0.080	0.009	34.175	TRUE	1.67E-08
FEV1	DEPDC5	cg13263830	rs111658926	C	T	-0.798	0.039	0.102	4.00E-92	0.011	0.004	0.004	0.101	414.197	TRUE	1.13E-85
FEV1	DEPDC5	cg13263830	rs12158564	G	A	-0.302	0.025	0.322	8.08E-34	0.006	0.003	0.019	0.038	146.864	TRUE	6.20E-32
FEV1	DEPDC5	cg13263830	rs13053841	T	C	-0.314	0.053	0.058	2.99E-09	-0.003	0.005	0.550	0.009	35.174	TRUE	5.32E-09
FEV1	DEPDC5	cg13263830	rs141788358	A	G	0.522	0.083	0.022	2.74E-10	0.013	0.009	0.136	0.011	39.831	TRUE	8.95E-10
FEV1	DEPDC5	cg13263830	rs151192056	T	C	-0.339	0.058	0.042	4.61E-09	0.013	0.006	0.021	0.009	34.327	TRUE	2.15E-08
FEV1	DEPDC5	cg13263830	rs16989768	C	G	-1.108	0.070	0.029	9.07E-56	-0.006	0.006	0.356	0.063	247.374	TRUE	1.74E-53
FEV1	DEPDC5	cg13263830	rs2040981	C	A	-1.412	0.037	0.087	<1E-200	0.006	0.004	0.112	0.281	1444.307	TRUE	5.29E-277
FEV1	DEPDC5	cg13263830	rs2157212	A	C	-0.668	0.036	0.118	3.13E-75	0.009	0.004	0.010	0.083	336.647	TRUE	1.67E-70
FEV1	DEPDC5	cg13263830	rs2412999	G	A	-0.258	0.024	0.445	5.87E-28	0.004	0.002	0.112	0.031	120.083	TRUE	1.01E-26

FEV1	DEPDC5	cg13263830	rs4820910	T	A	-0.209	0.031	0.159	3.15E-11	0.010	0.003	9.10E-04	0.012	44.058	TRUE	3.42E-10
FEV1	DEPDC5	cg13263830	rs55911547	T	A	-0.395	0.030	0.175	2.41E-39	0.001	0.003	0.862	0.044	172.136	TRUE	2.56E-38
FEV1	DEPDC5	cg13263830	rs5749334	A	C	0.821	0.019	0.446	<1E-200	-0.007	0.002	0.005	0.331	1828.366	TRUE	<1E-200
FEV1	DEPDC5	cg13263830	rs5753356	A	G	-0.185	0.025	0.367	6.41E-14	0.000	0.002	0.967	0.015	56.211	TRUE	1.01E-13
FEV1	DEPDC5	cg13263830	rs5753472	G	A	-0.280	0.032	0.426	2.02E-18	0.006	0.003	0.015	0.020	76.631	TRUE	3.03E-17
FEV1	DEPDC5	cg13263830	rs5998284	T	C	-0.322	0.032	0.172	7.92E-24	0.003	0.003	0.321	0.027	101.242	TRUE	5.42E-23
FEV1	DEPDC5	cg13263830	rs62236130	A	G	0.378	0.034	0.131	7.93E-29	0.004	0.003	0.274	0.032	124.053	TRUE	9.24E-28
FEV1	DEPDC5	cg13263830	rs6518765	C	A	0.268	0.033	0.346	6.33E-16	0.003	0.002	0.274	0.017	65.297	TRUE	2.55E-15
FEV1	DEPDC5	cg13263830	rs714023	A	G	0.196	0.035	0.132	2.07E-08	-0.001	0.003	0.662	0.008	31.415	TRUE	3.20E-08
FEV1	DEPDC5	cg13263830	rs75481064	G	A	0.265	0.045	0.080	4.99E-09	-0.015	0.004	3.94E-04	0.009	34.176	TRUE	4.56E-08
FEV1	DEPDC5	cg13263830	rs76900875	A	G	-0.259	0.046	0.066	2.10E-08	0.001	0.005	0.763	0.008	31.384	TRUE	3.05E-08
FEV1	DEPDC5	cg13263830	rs77339855	T	A	-0.904	0.142	0.012	1.86E-10	0.008	0.009	0.361	0.011	40.591	TRUE	4.31E-10
FEV1	DEPDC5	cg13263830	rs77664819	A	G	0.372	0.064	0.065	7.51E-09	0.000	0.005	1.000	0.009	33.379	TRUE	9.38E-09
FEV1	DEPDC5	cg13263830	rs8140888	A	G	-0.226	0.031	0.172	2.27E-13	0.005	0.003	0.128	0.014	53.724	TRUE	9.98E-13
FEV1	DEPDC5	cg13263830	rs9606808	C	T	-0.176	0.027	0.256	9.65E-11	-0.002	0.003	0.554	0.011	41.869	TRUE	1.87E-10
FEV1	DEPDC5	cg13263830	rs9609388	A	G	-0.240	0.040	0.095	2.23E-09	0.003	0.004	0.389	0.010	35.745	TRUE	4.69E-09
FEV1	DIDO1	cg01329151	rs1883847	T	C	0.374	0.030	0.194	1.09E-35	0.005	0.003	0.088	0.040	155.417	TRUE	5.09E-34
FEV1	DIDO1	cg01329151	rs2314128	G	C	0.174	0.031	0.179	1.75E-08	-0.001	0.003	0.796	0.009	31.737	TRUE	2.49E-08
FEV1	DIDO1	cg01329151	rs6090150	C	T	0.635	0.099	0.036	1.65E-10	0.003	0.007	0.631	0.011	40.822	TRUE	2.95E-10
FEV1	DIDO1	cg02128085	rs79346852	G	A	0.480	0.087	0.021	4.01E-08	-0.016	0.008	0.049	0.008	30.128	TRUE	1.37E-07
FEV1	DIDO1	cg02461114	rs735055	A	G	-0.177	0.031	0.164	1.26E-08	-0.003	0.003	0.355	0.009	32.375	TRUE	2.62E-08
FEV1	DIDO1	cg04226366	rs12625378	T	G	0.147	0.024	0.471	5.18E-10	0.002	0.002	0.369	0.010	38.586	TRUE	1.17E-09
FEV1	DIDO1	cg04226366	rs6010808	T	C	-0.149	0.024	0.433	3.67E-10	0.002	0.002	0.449	0.011	39.262	TRUE	7.57E-10
FEV1	DIDO1	cg04226366	rs6062732	T	C	-0.178	0.029	0.187	1.48E-09	-0.005	0.003	0.115	0.010	36.546	TRUE	4.77E-09
FEV1	DIDO1	cg04226366	rs755740	C	T	0.484	0.024	0.398	1.22E-93	0.006	0.002	0.013	0.102	421.151	TRUE	1.97E-87
FEV1	DIDO1	cg09864671	rs1054866	C	A	0.354	0.025	0.310	8.31E-45	0.001	0.003	0.721	0.051	197.146	TRUE	1.96E-43
FEV1	DIDO1	cg09864671	rs111814166	A	G	0.214	0.033	0.132	1.53E-10	-0.001	0.003	0.846	0.011	40.964	TRUE	2.28E-10
FEV1	DIDO1	cg09864671	rs118103122	G	T	-0.601	0.106	0.027	1.67E-08	0.005	0.008	0.550	0.009	31.823	TRUE	2.88E-08
FEV1	DIDO1	cg09864671	rs1883847	T	C	-1.408	0.019	0.194	<1E-200	0.005	0.003	0.088	0.593	5396.686	TRUE	<1E-200
FEV1	DIDO1	cg09864671	rs2248900	T	C	0.294	0.028	0.221	9.30E-26	0.002	0.003	0.525	0.029	110.044	TRUE	5.19E-25
FEV1	DIDO1	cg09864671	rs2314128	G	C	-0.458	0.030	0.179	3.81E-51	-0.001	0.003	0.796	0.058	226.186	TRUE	1.57E-49
FEV1	DIDO1	cg09864671	rs6090150	C	T	-1.268	0.097	0.036	7.16E-39	0.003	0.007	0.631	0.044	169.974	TRUE	1.08E-37
FEV1	DIDO1	cg09864671	rs62208973	A	G	-0.672	0.096	0.013	2.08E-12	0.011	0.009	0.249	0.013	49.381	TRUE	6.53E-12
FEV1	DIDO1	cg09864671	rs7271712	T	C	-0.851	0.096	0.024	1.15E-18	0.012	0.008	0.123	0.021	77.744	TRUE	8.12E-18
FEV1	DIDO1	cg09864671	rs77077981	A	G	-0.426	0.042	0.081	5.11E-24	-0.008	0.004	0.065	0.027	102.110	TRUE	8.08E-23
FEV1	DIDO1	cg09864671	rs910940	A	G	-0.211	0.025	0.317	1.22E-16	0.001	0.003	0.787	0.018	68.536	TRUE	2.67E-16
FEV1	DIDO1	cg10006442	rs114270264	G	T	0.563	0.088	0.020	1.48E-10	-0.018	0.008	0.035	0.011	41.033	TRUE	7.24E-10
FEV1	DIDO1	cg10006442	rs34960540	T	C	0.146	0.025	0.344	3.17E-09	0.001	0.003	0.626	0.009	35.058	TRUE	5.29E-09
FEV1	DIDO1	cg10006442	rs3746750	A	G	0.216	0.024	0.395	1.47E-19	0.000	0.002	0.952	0.022	81.807	TRUE	3.10E-19
FEV1	DIDO1	cg10006442	rs3746754	C	T	0.296	0.050	0.057	2.89E-09	-0.007	0.005	0.189	0.009	35.237	TRUE	7.79E-09
FEV1	DIDO1	cg10006442	rs41282988	A	G	0.519	0.063	0.036	1.58E-16	-0.015	0.006	0.011	0.018	68.033	TRUE	1.98E-15
FEV1	DIDO1	cg10006442	rs6062733	G	A	0.208	0.025	0.326	4.49E-17	-0.006	0.003	0.014	0.019	70.512	TRUE	5.60E-16

FEV1	DIDO1	cg10006442	rs7265084	A	G	0.585	0.023	0.335	2.12E-137	0.000	0.003	0.926	0.144	622.175	TRUE	4.61E-129
FEV1	DIDO1	cg10006442	rs73619441	G	T	-0.264	0.034	0.151	5.20E-15	0.006	0.003	0.106	0.016	61.149	TRUE	2.81E-14
FEV1	DIDO1	cg10006442	rs73619448	T	G	0.276	0.049	0.052	1.89E-08	0.004	0.005	0.481	0.008	31.591	TRUE	3.43E-08
FEV1	DIDO1	cg10551166	rs11696331	T	C	-0.265	0.048	0.055	4.70E-08	0.003	0.005	0.549	0.008	29.819	TRUE	7.92E-08
FEV1	DIDO1	cg10551166	rs117005091	T	C	0.289	0.053	0.051	4.17E-08	0.006	0.005	0.217	0.008	30.051	TRUE	9.85E-08
FEV1	DIDO1	cg10551166	rs1555313	G	T	-0.186	0.026	0.304	4.39E-13	-0.002	0.003	0.564	0.014	52.433	TRUE	9.70E-13
FEV1	DIDO1	cg10551166	rs41282988	A	G	-0.430	0.063	0.036	7.68E-12	-0.015	0.006	0.011	0.012	46.820	TRUE	5.59E-11
FEV1	DIDO1	cg10551166	rs575515615	T	C	-0.434	0.061	0.040	1.31E-12	0.010	0.006	0.067	0.013	50.289	TRUE	6.60E-12
FEV1	DIDO1	cg10551166	rs6011431	G	A	-0.198	0.032	0.459	5.21E-10	0.000	0.002	0.896	0.010	38.576	TRUE	7.32E-10
FEV1	DIDO1	cg10551166	rs6011442	G	A	-0.632	0.024	0.316	1.52E-157	0.001	0.003	0.638	0.162	714.757	TRUE	1.79E-146
FEV1	DIDO1	cg10551166	rs73147766	T	C	-0.410	0.057	0.039	5.46E-13	-0.001	0.006	0.835	0.014	52.005	TRUE	9.30E-13
FEV1	DIDO1	cg10551166	rs73619441	G	T	0.206	0.034	0.151	1.09E-09	0.006	0.003	0.106	0.010	37.133	TRUE	3.64E-09
FEV1	DIDO1	cg10551166	rs76412642	G	A	-0.466	0.061	0.039	2.50E-14	0.000	0.006	0.968	0.015	58.059	TRUE	4.01E-14
FEV1	DIDO1	cg10551166	rs79346852	G	A	0.847	0.087	0.021	1.92E-22	-0.016	0.008	0.049	0.025	94.930	TRUE	2.82E-21
FEV1	DIDO1	cg15815827	rs6010789	G	A	0.408	0.023	0.496	8.66E-70	-0.004	0.002	0.078	0.078	311.674	TRUE	5.07E-66
FEV1	DIDO1	cg15815827	rs8114056	T	G	0.132	0.024	0.433	2.99E-08	0.001	0.002	0.595	0.008	30.696	TRUE	4.90E-08
FEV1	DIDO1	cg21976603	rs3746771	A	G	-0.352	0.028	0.219	2.29E-37	0.007	0.003	0.010	0.042	163.087	TRUE	3.68E-35
FEV1	DIDO1	cg23096297	rs1052826	G	A	-0.181	0.028	0.225	1.35E-10	0.005	0.003	0.075	0.011	41.217	TRUE	5.52E-10
FEV1	DIDO1	cg23096297	rs142612030	A	G	0.576	0.061	0.044	1.87E-21	0.006	0.007	0.343	0.024	90.434	TRUE	9.93E-21
FEV1	DIDO1	cg23096297	rs143491435	C	G	0.775	0.097	0.016	1.63E-15	-0.018	0.009	0.041	0.017	63.434	TRUE	1.26E-14
FEV1	DIDO1	cg23096297	rs1555313	G	T	0.163	0.025	0.304	1.54E-10	-0.002	0.003	0.564	0.011	40.955	TRUE	2.93E-10
FEV1	DIDO1	cg23096297	rs2295000	A	G	0.750	0.027	0.202	4.26E-167	0.004	0.003	0.122	0.170	758.666	TRUE	1.09E-153
FEV1	DIDO1	cg23096297	rs3746752	T	G	0.224	0.025	0.301	6.28E-19	0.001	0.003	0.763	0.021	78.936	TRUE	1.62E-18
FEV1	DIDO1	cg23096297	rs56224153	A	C	-0.188	0.029	0.188	1.48E-10	-0.002	0.003	0.620	0.011	41.035	TRUE	2.71E-10
FEV1	DIDO1	cg23096297	rs73147766	T	C	0.549	0.056	0.039	1.20E-22	-0.001	0.006	0.835	0.025	95.867	TRUE	3.56E-22
FEV1	DIDO1	cg23096297	rs73619448	T	G	0.324	0.048	0.052	1.64E-11	0.004	0.005	0.481	0.012	45.340	TRUE	3.60E-11
FEV1	DIDO1	cg24804517	rs117043166	T	C	0.693	0.098	0.013	1.91E-12	-0.013	0.011	0.225	0.013	49.543	TRUE	6.27E-12
FEV1	DIDO1	cg24804517	rs2254953	A	G	0.255	0.026	0.272	4.00E-23	0.001	0.003	0.784	0.026	98.035	TRUE	1.30E-22
FEV1	DIDO1	cg24804517	rs6011495	T	C	0.303	0.036	0.113	4.19E-17	-0.002	0.004	0.559	0.019	70.647	TRUE	1.18E-16
FEV1	DIDO1	cg24804517	rs77077981	A	G	0.251	0.042	0.081	1.45E-09	-0.008	0.004	0.065	0.010	36.586	TRUE	5.47E-09
FEV1	E2F2	cg03333582	rs2092085	A	G	0.216	0.027	0.258	7.20E-16	-0.005	0.003	0.057	0.017	65.043	TRUE	5.17E-15
FEV1	E2F2	cg03333582	rs3218205	C	T	-0.390	0.063	0.040	6.15E-10	0.009	0.006	0.115	0.010	38.253	TRUE	2.03E-09
FEV1	E2F2	cg11526198	rs11591199	T	C	0.574	0.045	0.072	1.82E-37	-0.010	0.004	0.024	0.042	163.539	TRUE	2.09E-35
FEV1	E2F2	cg11526198	rs877930	A	G	0.445	0.064	0.040	2.58E-12	0.005	0.006	0.369	0.013	48.954	TRUE	6.77E-12
FEV1	E2F2	cg11526198	rs909534	A	G	-0.135	0.024	0.410	1.27E-08	0.008	0.002	5.07E-04	0.009	32.366	TRUE	1.05E-07
FEV1	E2F2	cg22040403	rs10917376	T	C	0.232	0.038	0.228	1.39E-09	0.002	0.003	0.521	0.010	36.657	TRUE	2.63E-09
FEV1	E2F2	cg22040403	rs113251274	G	C	0.223	0.037	0.116	1.65E-09	0.003	0.004	0.350	0.010	36.334	TRUE	3.65E-09
FEV1	E2F2	cg22040403	rs113837560	A	G	0.294	0.048	0.072	9.12E-10	-0.005	0.005	0.291	0.010	37.485	TRUE	2.18E-09
FEV1	E2F2	cg22040403	rs12144921	C	T	0.590	0.051	0.051	3.51E-31	0.010	0.005	0.049	0.035	134.808	TRUE	1.35E-29
FEV1	E2F2	cg22040403	rs16828926	A	G	0.198	0.033	0.142	3.50E-09	-0.003	0.003	0.307	0.009	34.864	TRUE	7.85E-09
FEV1	E2F2	cg22040403	rs2102781	A	T	-0.219	0.024	0.383	1.17E-19	-0.002	0.002	0.531	0.022	82.250	TRUE	4.13E-19
FEV1	E2F2	cg22040403	rs2282724	T	C	0.654	0.064	0.040	1.28E-24	0.010	0.006	0.112	0.028	104.845	TRUE	1.68E-23

FEV1	E2F2	cg22040403	rs2742976	T	G	-0.918	0.019	0.363	<1E-200	0.006	0.002	0.019	0.398	2443.705	TRUE	<1E-200
FEV1	E2F2	cg22040403	rs2811964	A	G	-0.643	0.041	0.081	1.71E-55	0.008	0.004	0.057	0.062	246.115	TRUE	1.38E-52
FEV1	E2F2	cg22040403	rs2864889	A	G	-0.193	0.033	0.406	3.77E-09	0.000	0.002	0.902	0.009	34.719	TRUE	5.12E-09
FEV1	E2F2	cg22040403	rs2981950	A	C	-0.193	0.024	0.435	2.50E-16	-0.001	0.002	0.670	0.018	67.127	TRUE	6.05E-16
FEV1	E2F2	cg22040403	rs2999141	C	A	0.379	0.026	0.286	9.01E-50	-0.004	0.003	0.129	0.056	219.889	TRUE	1.76E-47
FEV1	E2F2	cg22040403	rs3218194	T	G	-0.541	0.083	0.045	7.36E-11	0.005	0.006	0.390	0.011	42.397	TRUE	1.70E-10
FEV1	E2F2	cg22040403	rs649458	T	A	-0.219	0.033	0.138	5.80E-11	0.004	0.003	0.253	0.011	42.863	TRUE	1.62E-10
FEV1	E2F2	cg22040403	rs6663369	A	G	0.259	0.031	0.172	1.04E-16	-0.005	0.003	0.115	0.018	68.861	TRUE	6.35E-16
FEV1	E2F2	cg22040403	rs72663238	G	C	0.438	0.071	0.034	8.14E-10	0.002	0.007	0.745	0.010	37.705	TRUE	1.28E-09
FEV1	E2F2	cg22040403	rs76473856	C	T	-0.424	0.071	0.026	2.07E-09	0.007	0.007	0.274	0.010	35.888	TRUE	4.96E-09
FEV1	E2F2	cg22040403	rs78543575	C	G	-0.546	0.076	0.019	5.10E-13	0.023	0.007	8.87E-04	0.014	52.136	TRUE	7.28E-12
FEV1	E2F2	cg22040403	rs79371518	A	G	-0.195	0.033	0.146	2.73E-09	0.004	0.003	0.236	0.009	35.350	TRUE	6.85E-09
FEV1	E2F2	cg24254937	rs11591199	T	C	0.455	0.045	0.072	3.90E-24	-0.010	0.004	0.024	0.027	102.642	TRUE	9.30E-23
FEV1	E2F2	cg24254937	rs2811937	G	A	-0.214	0.024	0.375	2.03E-19	0.007	0.002	0.003	0.021	81.163	TRUE	5.11E-18
FEV1	ELANE	cg01963696	rs12976453	C	A	0.169	0.026	0.423	5.98E-11	-0.002	0.002	0.468	0.011	42.805	TRUE	1.26E-10
FEV1	ELANE	cg02487452	rs113862848	T	C	-0.273	0.026	0.283	4.33E-26	-0.003	0.003	0.261	0.029	111.557	TRUE	4.04E-25
FEV1	ELANE	cg02487452	rs3761008	C	T	-0.434	0.035	0.130	9.92E-35	-0.007	0.004	0.040	0.039	151.027	TRUE	6.08E-33
FEV1	ELANE	cg03526702	rs117463628	A	G	-0.448	0.076	0.020	4.59E-09	0.003	0.007	0.649	0.009	34.336	TRUE	7.47E-09
FEV1	ELANE	cg03526702	rs3761008	C	T	-0.351	0.035	0.130	4.40E-23	-0.007	0.004	0.040	0.026	97.846	TRUE	7.40E-22
FEV1	ELANE	cg03526702	rs7247992	C	T	0.264	0.026	0.429	9.93E-25	-0.002	0.002	0.468	0.028	105.352	TRUE	5.53E-24
FEV1	ELANE	cg03526702	rs73492568	A	G	-0.262	0.026	0.281	3.07E-24	-0.003	0.003	0.249	0.027	103.120	TRUE	2.52E-23
FEV1	ELANE	cg08223924	rs12976453	C	A	0.266	0.026	0.423	4.33E-25	-0.002	0.002	0.468	0.028	106.996	TRUE	2.48E-24
FEV1	ELANE	cg08223924	rs1683591	G	A	-0.232	0.026	0.285	2.47E-19	-0.003	0.003	0.261	0.021	80.777	TRUE	1.29E-18
FEV1	ELANE	cg08223924	rs3761008	C	T	-0.345	0.035	0.130	2.36E-22	-0.007	0.004	0.040	0.025	94.527	TRUE	3.67E-21
FEV1	ELANE	cg11683663	rs113348883	G	A	-0.505	0.074	0.023	6.78E-12	0.003	0.007	0.694	0.013	47.064	TRUE	1.24E-11
FEV1	ELANE	cg11683663	rs11666980	G	C	0.223	0.040	0.103	2.60E-08	0.004	0.004	0.269	0.008	30.969	TRUE	5.78E-08
FEV1	ELANE	cg11683663	rs1683574	A	G	-0.337	0.026	0.281	1.88E-39	-0.003	0.003	0.201	0.045	172.632	TRUE	7.98E-38
FEV1	ELANE	cg11683663	rs3761008	C	T	-0.540	0.035	0.130	2.80E-53	-0.007	0.004	0.040	0.060	235.967	TRUE	1.91E-50
FEV1	ELANE	cg11683663	rs4019962	T	C	0.299	0.025	0.452	3.53E-32	-0.001	0.002	0.627	0.036	139.366	TRUE	2.93E-31
FEV1	ELANE	cg11683663	rs8113356	A	G	0.204	0.034	0.151	2.08E-09	-0.005	0.003	0.155	0.010	35.882	TRUE	6.13E-09
FEV1	ELANE	cg19628469	rs117463628	A	G	-0.475	0.077	0.020	5.31E-10	0.003	0.007	0.649	0.010	38.540	TRUE	9.07E-10
FEV1	ELANE	cg19628469	rs12976453	C	A	0.368	0.026	0.423	3.28E-47	-0.002	0.002	0.468	0.053	208.156	TRUE	1.61E-45
FEV1	ELANE	cg19628469	rs1683591	G	A	-0.355	0.026	0.285	1.18E-43	-0.003	0.003	0.261	0.049	191.861	TRUE	6.66E-42
FEV1	ELANE	cg19628469	rs3761008	C	T	-0.465	0.035	0.130	1.31E-39	-0.007	0.004	0.040	0.045	173.351	TRUE	1.45E-37
FEV1	ELANE	cg21586152	rs1631848	C	T	-0.146	0.026	0.286	1.62E-08	-0.003	0.003	0.254	0.009	31.881	TRUE	3.69E-08
FEV1	ELANE	cg21586152	rs3761008	C	T	-0.280	0.036	0.130	3.36E-15	-0.007	0.004	0.040	0.016	62.010	TRUE	2.51E-14
FEV1	ENO1	cg02088347	rs2038903	T	G	-0.159	0.023	0.439	1.30E-11	-0.004	0.002	0.084	0.012	45.787	TRUE	5.59E-11
FEV1	ENO1	cg06972019	rs11121223	A	T	-0.536	0.029	0.195	6.51E-74	0.001	0.003	0.817	0.082	330.599	TRUE	5.49E-71
FEV1	ENO1	cg06972019	rs11121250	T	C	0.560	0.027	0.250	7.61E-98	0.005	0.003	0.091	0.106	440.464	TRUE	6.80E-92
FEV1	ENO1	cg06972019	rs112104220	G	A	-0.644	0.096	0.019	2.20E-11	-0.008	0.009	0.410	0.012	44.757	TRUE	5.17E-11
FEV1	ENO1	cg06972019	rs115127818	A	G	0.758	0.101	0.016	4.71E-14	-0.008	0.009	0.330	0.015	56.816	TRUE	1.47E-13
FEV1	ENO1	cg06972019	rs12120339	A	G	0.637	0.066	0.030	3.09E-22	-0.002	0.007	0.785	0.025	93.993	TRUE	9.49E-22

FEV1	ENO1	cg06972019	rs12124851	G	A	0.922	0.021	0.305	<1E-200	0.001	0.003	0.742	0.340	1905.596	TRUE	<1E-200
FEV1	ENO1	cg06972019	rs12129659	G	T	0.648	0.087	0.019	8.40E-14	0.001	0.009	0.898	0.015	55.681	TRUE	1.41E-13
FEV1	ENO1	cg06972019	rs12565639	A	G	-0.616	0.029	0.207	2.55E-102	-0.008	0.003	0.009	0.111	461.014	TRUE	3.35E-95
FEV1	ENO1	cg06972019	rs138601087	A	G	0.508	0.068	0.031	5.13E-14	-0.006	0.007	0.421	0.015	56.649	TRUE	1.42E-13
FEV1	ENO1	cg06972019	rs139366811	C	T	-0.499	0.079	0.021	2.17E-10	-0.003	0.008	0.691	0.011	40.286	TRUE	3.66E-10
FEV1	ENO1	cg06972019	rs141582190	G	A	0.334	0.041	0.091	3.91E-16	0.001	0.004	0.760	0.018	66.247	TRUE	8.41E-16
FEV1	ENO1	cg06972019	rs146274314	T	C	-0.511	0.072	0.028	1.03E-12	-0.010	0.007	0.144	0.014	50.761	TRUE	4.05E-12
FEV1	ENO1	cg06972019	rs150617841	G	A	-0.534	0.089	0.018	2.17E-09	-0.005	0.009	0.598	0.010	35.792	TRUE	3.75E-09
FEV1	ENO1	cg06972019	rs150875913	A	G	0.522	0.073	0.024	1.24E-12	0.004	0.008	0.620	0.013	50.392	TRUE	2.53E-12
FEV1	ENO1	cg06972019	rs59092168	T	A	-0.513	0.047	0.057	5.37E-28	0.001	0.005	0.793	0.031	120.259	TRUE	2.46E-27
FEV1	ENO1	cg06972019	rs72636907	T	C	0.332	0.035	0.115	4.54E-21	0.004	0.004	0.292	0.023	88.676	TRUE	2.61E-20
FEV1	ENO1	cg06972019	rs7417097	A	G	0.278	0.028	0.232	2.25E-23	-0.003	0.003	0.333	0.026	99.173	TRUE	1.43E-22
FEV1	ENO1	cg06972019	rs7521910	C	T	0.152	0.025	0.376	7.04E-10	-0.002	0.002	0.522	0.010	37.990	TRUE	1.33E-09
FEV1	ENO1	cg06972019	rs7545200	A	G	0.202	0.027	0.253	2.93E-14	-0.001	0.003	0.778	0.015	57.750	TRUE	5.56E-14
FEV1	ENO1	cg06972019	rs80001448	A	G	0.506	0.066	0.033	1.73E-14	-0.004	0.007	0.549	0.016	58.782	TRUE	4.25E-14
FEV1	ENO1	cg10313368	rs1064826	A	G	0.306	0.025	0.294	2.55E-33	0.001	0.003	0.714	0.038	144.581	TRUE	2.00E-32
FEV1	ENO1	cg10313368	rs11121242	A	G	0.787	0.020	0.484	<1E-200	0.003	0.002	0.187	0.286	1479.394	TRUE	2.18E-283
FEV1	ENO1	cg10313368	rs114894025	G	A	-0.410	0.069	0.034	3.17E-09	-0.011	0.007	0.107	0.009	35.056	TRUE	1.01E-08
FEV1	ENO1	cg10313368	rs11585385	G	T	-0.238	0.027	0.271	2.65E-19	-0.006	0.003	0.017	0.021	80.642	TRUE	4.19E-18
FEV1	ENO1	cg10313368	rs116445980	T	C	0.558	0.050	0.061	4.51E-29	0.006	0.005	0.241	0.033	125.173	TRUE	5.88E-28
FEV1	ENO1	cg10313368	rs12566559	C	T	0.253	0.028	0.232	1.48E-19	-0.003	0.003	0.329	0.022	81.785	TRUE	6.95E-19
FEV1	ENO1	cg10313368	rs12732947	C	A	-0.291	0.025	0.328	4.21E-31	-0.006	0.003	0.018	0.035	134.447	TRUE	2.43E-29
FEV1	ENO1	cg10313368	rs138601087	A	G	0.432	0.068	0.031	1.65E-10	-0.006	0.007	0.421	0.011	40.818	TRUE	3.63E-10
FEV1	ENO1	cg10313368	rs140458899	T	C	-0.400	0.052	0.066	2.08E-14	0.006	0.005	0.199	0.016	58.419	TRUE	8.36E-14
FEV1	ENO1	cg10313368	rs17383360	G	A	-0.396	0.047	0.056	3.72E-17	0.001	0.005	0.841	0.019	70.880	TRUE	7.87E-17
FEV1	ENO1	cg10313368	rs17385829	C	T	0.362	0.066	0.030	3.86E-08	0.004	0.007	0.534	0.008	30.204	TRUE	6.55E-08
FEV1	ENO1	cg10313368	rs192251961	A	G	0.461	0.075	0.044	8.63E-10	0.004	0.006	0.478	0.010	37.593	TRUE	1.69E-09
FEV1	ENO1	cg10313368	rs301800	T	C	0.249	0.031	0.175	2.32E-15	0.008	0.003	0.006	0.017	62.737	TRUE	3.12E-14
FEV1	ENO1	cg10313368	rs61787660	A	G	-0.213	0.029	0.208	2.45E-13	-0.003	0.003	0.250	0.014	53.574	TRUE	8.39E-13
FEV1	ENO1	cg10313368	rs6665631	G	A	0.311	0.025	0.314	6.48E-35	-0.001	0.003	0.654	0.039	151.874	TRUE	6.40E-34
FEV1	ENO1	cg10443148	rs112984832	T	C	0.329	0.040	0.079	2.92E-16	0.005	0.004	0.275	0.018	66.821	TRUE	1.16E-15
FEV1	ENO1	cg10443148	rs11590606	C	T	0.613	0.022	0.498	1.82E-163	0.003	0.002	0.138	0.167	741.979	TRUE	1.42E-150
FEV1	ENO1	cg10443148	rs116445980	T	C	0.379	0.050	0.061	3.12E-14	0.006	0.005	0.241	0.015	57.627	TRUE	1.14E-13
FEV1	ENO1	cg10443148	rs12732947	C	A	-0.203	0.025	0.328	6.56E-16	-0.006	0.003	0.018	0.017	65.225	TRUE	6.77E-15
FEV1	ENO1	cg10443148	rs17383360	G	A	-0.298	0.047	0.056	2.30E-10	0.001	0.005	0.841	0.011	40.171	TRUE	3.45E-10
FEV1	ENO1	cg10443148	rs1889853	A	C	-0.260	0.028	0.225	1.07E-20	-0.001	0.003	0.635	0.023	86.988	TRUE	3.51E-20
FEV1	ENO1	cg10443148	rs301800	T	C	0.228	0.031	0.175	3.94E-13	0.008	0.003	0.006	0.014	52.646	TRUE	4.02E-12
FEV1	ENO1	cg10443148	rs7526401	C	T	-0.169	0.025	0.333	1.37E-11	0.002	0.003	0.332	0.012	45.688	TRUE	3.55E-11
FEV1	ENO1	cg10443148	rs80001448	A	G	0.403	0.066	0.033	9.67E-10	-0.004	0.007	0.549	0.010	37.371	TRUE	1.78E-09
FEV1	ENO1	cg12711814	rs2038904	A	G	0.261	0.031	0.176	2.12E-17	0.006	0.003	0.041	0.019	71.993	TRUE	1.98E-16
FEV1	ENO1	cg13785123	rs11121247	T	C	0.257	0.031	0.179	1.14E-16	0.006	0.003	0.047	0.018	68.676	TRUE	9.90E-16
FEV1	ENO1	cg13785123	rs12125525	G	A	0.206	0.025	0.320	1.33E-16	0.001	0.003	0.805	0.018	68.365	TRUE	2.81E-16

FEV1	ENO1	cg13785123	rs144754886	G	T	-0.435	0.070	0.033	4.93E-10	-0.010	0.007	0.152	0.010	38.682	TRUE	1.53E-09
FEV1	ENO1	cg13785123	rs2071412	T	G	-0.537	0.026	0.271	3.15E-98	-0.006	0.003	0.033	0.107	442.226	TRUE	7.32E-92
FEV1	ENO1	cg13785123	rs56193077	G	C	-0.449	0.065	0.026	6.34E-12	0.005	0.007	0.442	0.013	47.195	TRUE	1.47E-11
FEV1	ENO1	cg13785123	rs77746148	T	C	-0.411	0.063	0.033	9.82E-11	-0.003	0.007	0.677	0.011	41.834	TRUE	1.72E-10
FEV1	ENO1	cg18273817	rs10864368	T	C	0.397	0.023	0.498	7.77E-66	0.004	0.002	0.122	0.074	293.543	TRUE	1.70E-62
FEV1	ENO1	cg18273817	rs12754538	T	C	-0.160	0.028	0.243	8.23E-09	-0.005	0.003	0.072	0.009	33.202	TRUE	2.81E-08
FEV1	ENO1	cg18273817	rs4908795	G	C	0.181	0.029	0.208	2.44E-10	0.002	0.003	0.405	0.011	40.058	TRUE	5.34E-10
FEV1	ENO1	cg18273817	rs57399447	T	A	0.155	0.024	0.370	1.18E-10	0.000	0.002	0.935	0.011	41.482	TRUE	1.65E-10
FEV1	ENO1	cg20971527	rs11121246	T	G	0.295	0.023	0.498	1.19E-37	0.004	0.002	0.121	0.043	164.381	TRUE	5.94E-36
FEV1	ENTPD4	cg00472375	rs1140161	T	C	0.196	0.032	0.211	7.91E-10	0.000	0.003	0.955	0.010	37.763	TRUE	1.07E-09
FEV1	ENTPD4	cg00472375	rs11779446	G	A	0.421	0.034	0.160	8.27E-35	-0.004	0.003	0.182	0.039	151.390	TRUE	2.24E-33
FEV1	ENTPD4	cg00472375	rs12549531	T	C	0.409	0.052	0.060	6.70E-15	-0.009	0.005	0.056	0.016	60.651	TRUE	4.41E-14
FEV1	ENTPD4	cg00472375	rs138440472	G	A	-0.533	0.047	0.078	1.29E-29	0.000	0.004	0.926	0.033	127.658	TRUE	5.55E-29
FEV1	ENTPD4	cg00472375	rs17768448	C	T	-0.497	0.073	0.071	9.55E-12	0.001	0.005	0.905	0.012	46.394	TRUE	1.43E-11
FEV1	ENTPD4	cg00472375	rs2942194	G	A	-0.304	0.028	0.279	7.17E-27	0.000	0.003	0.886	0.030	115.122	TRUE	2.69E-26
FEV1	ENTPD4	cg00472375	rs35826859	C	G	-0.156	0.027	0.349	4.55E-09	-0.004	0.002	0.130	0.009	34.354	TRUE	1.37E-08
FEV1	ENTPD4	cg00472375	rs4871879	G	A	0.405	0.061	0.108	2.23E-11	0.000	0.004	0.912	0.012	44.734	TRUE	3.27E-11
FEV1	ENTPD4	cg00472375	rs56112369	A	G	0.397	0.033	0.160	1.33E-32	0.000	0.003	0.892	0.037	141.303	TRUE	7.53E-32
FEV1	ENTPD4	cg00472375	rs59281026	A	G	-0.378	0.034	0.164	6.92E-29	-0.006	0.003	0.065	0.033	124.324	TRUE	1.74E-27
FEV1	ENTPD4	cg00472375	rs6557673	C	T	0.250	0.028	0.272	1.42E-18	0.000	0.003	0.953	0.020	77.320	TRUE	2.93E-18
FEV1	ENTPD4	cg00472375	rs73226488	G	A	0.281	0.028	0.276	1.40E-23	0.002	0.003	0.553	0.026	100.108	TRUE	6.53E-23
FEV1	ENTPD4	cg00472375	rs7839561	T	C	0.415	0.040	0.111	1.08E-24	0.008	0.004	0.037	0.028	105.181	TRUE	2.27E-23
FEV1	ENTPD4	cg02151632	rs28579964	T	C	-2.091	0.071	0.033	2.72E-192	0.013	0.006	0.047	0.191	874.492	TRUE	7.88E-175
FEV1	ENTPD4	cg02151632	rs4242399	T	G	-0.205	0.028	0.303	1.92E-13	0.005	0.003	0.066	0.014	54.054	TRUE	1.08E-12
FEV1	ENTPD4	cg02151632	rs4639518	G	T	-0.190	0.026	0.409	2.71E-13	0.001	0.002	0.628	0.014	53.382	TRUE	5.74E-13
FEV1	ENTPD4	cg02151632	rs7017185	G	A	-0.317	0.055	0.058	1.02E-08	-0.003	0.005	0.590	0.009	32.784	TRUE	1.71E-08
FEV1	ENTPD4	cg02151632	rs7846631	A	G	-0.287	0.035	0.158	3.72E-16	0.006	0.003	0.063	0.018	66.342	TRUE	2.66E-15
FEV1	ENTPD4	cg02151632	rs972573	T	C	-0.191	0.030	0.238	2.52E-10	0.002	0.003	0.545	0.011	39.991	TRUE	4.83E-10
FEV1	ENTPD4	cg04177885	rs17089244	T	C	-0.352	0.043	0.096	1.98E-16	0.003	0.004	0.464	0.018	67.588	TRUE	6.09E-16
FEV1	ENTPD4	cg09238382	rs10108137	T	C	-1.759	0.072	0.032	5.50E-131	0.013	0.006	0.038	0.138	592.707	TRUE	2.26E-121
FEV1	ENTPD4	cg09238382	rs4282585	C	T	-0.155	0.028	0.314	2.30E-08	0.004	0.003	0.124	0.008	31.203	TRUE	6.43E-08
FEV1	ENTPD4	cg09238382	rs7822769	A	C	-0.164	0.026	0.369	3.24E-10	-0.001	0.002	0.698	0.011	39.502	TRUE	5.35E-10
FEV1	ENTPD4	cg14564237	rs12155806	C	T	0.177	0.029	0.237	1.43E-09	-0.001	0.003	0.805	0.010	36.606	TRUE	2.14E-09
FEV1	ENTPD4	cg25329685	rs12545866	C	A	0.140	0.026	0.394	4.28E-08	-0.001	0.002	0.706	0.008	30.004	TRUE	6.36E-08
FEV1	ENTPD4	cg25329685	rs2942200	A	G	-0.191	0.027	0.329	2.16E-12	0.000	0.003	0.869	0.013	49.309	TRUE	3.45E-12
FEV1	ENTPD4	cg25329685	rs56112369	A	G	0.312	0.034	0.160	1.38E-20	0.000	0.003	0.892	0.023	86.479	TRUE	3.34E-20
FEV1	ENTPD4	cg25329685	rs7832251	T	C	-0.343	0.025	0.455	9.67E-43	-0.001	0.002	0.736	0.048	187.685	TRUE	1.81E-41
FEV1	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	-0.014	0.003	4.28E-09	0.016	60.309	TRUE	8.24E-13
FEV1	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	-0.007	0.002	0.003	0.012	45.175	TRUE	1.67E-10
FEV1	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.001	0.004	0.708	0.046	179.017	TRUE	1.24E-39
FEV1	ERBB3	cg10869879	rs76219216	C	G	0.323	0.053	0.047	9.11E-10	0.014	0.005	0.007	0.010	37.486	TRUE	5.77E-09
FEV1	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	-0.014	0.003	4.28E-09	0.041	157.406	TRUE	2.18E-32

FEV1	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	-0.012	0.002	5.81E-07	0.020	74.210	TRUE	6.75E-16
FEV1	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	-0.014	0.003	9.59E-09	0.047	183.509	TRUE	1.11E-37
FEV1	ERCC4	cg03927470	rs13334256	T	G	-0.174	0.031	0.173	1.96E-08	-0.003	0.003	0.400	0.008	31.521	TRUE	3.85E-08
FEV1	ERCC4	cg03927470	rs3136155	T	C	-0.530	0.024	0.341	8.26E-109	-0.006	0.003	0.009	0.117	490.823	TRUE	4.41E-101
FEV1	ERCC4	cg03927470	rs66859427	C	A	0.174	0.027	0.255	1.92E-10	0.000	0.003	0.962	0.011	40.524	TRUE	2.60E-10
FEV1	ERCC4	cg03927470	rs72783404	C	T	-0.364	0.066	0.035	3.38E-08	0.000	0.006	0.973	0.008	30.461	TRUE	4.20E-08
FEV1	ERCC4	cg24091698	rs3136085	C	G	-0.197	0.026	0.276	2.10E-14	-0.008	0.003	0.003	0.016	58.408	TRUE	2.89E-13
FEV1	ERN1	cg02090547	rs117212769	T	C	0.755	0.081	0.021	1.68E-20	-0.021	0.008	0.007	0.023	86.091	TRUE	3.76E-19
FEV1	ERN1	cg02090547	rs12947552	G	C	0.218	0.025	0.352	9.69E-19	-0.007	0.003	0.007	0.021	78.079	TRUE	1.72E-17
FEV1	ERN1	cg02090547	rs56025313	C	T	0.703	0.048	0.115	9.98E-48	0.003	0.004	0.379	0.054	210.521	TRUE	6.70E-46
FEV1	ERN1	cg02090547	rs7219767	A	G	0.471	0.083	0.043	1.35E-08	-0.007	0.006	0.223	0.009	32.243	TRUE	3.27E-08
FEV1	ERN1	cg02090547	rs79836779	C	G	0.473	0.083	0.020	1.01E-08	0.007	0.009	0.392	0.009	32.811	TRUE	2.02E-08
FEV1	ERN1	cg09197799	rs1010940	A	G	0.172	0.024	0.389	9.32E-13	-0.006	0.002	0.010	0.014	50.955	TRUE	7.86E-12
FEV1	ERN1	cg09197799	rs12452316	G	T	0.694	0.101	0.014	6.38E-12	0.019	0.010	0.059	0.013	47.183	TRUE	3.13E-11
FEV1	ERN1	cg09197799	rs16947352	T	C	0.151	0.024	0.408	2.68E-10	0.003	0.002	0.207	0.011	39.873	TRUE	7.76E-10
FEV1	ERN1	cg09197799	rs34357194	C	T	0.154	0.027	0.250	1.74E-08	0.009	0.003	0.001	0.009	31.743	TRUE	1.22E-07
FEV1	ERN1	cg09197799	rs56025313	C	T	0.960	0.047	0.115	8.46E-92	0.003	0.004	0.379	0.100	412.703	TRUE	4.84E-87
FEV1	ERN1	cg09197799	rs79836779	C	G	0.630	0.082	0.020	1.89E-14	0.007	0.009	0.392	0.016	58.607	TRUE	5.60E-14
FEV1	ERN1	cg09197799	rs9911085	C	T	-0.170	0.029	0.206	3.71E-09	-0.004	0.003	0.205	0.009	34.753	TRUE	9.75E-09
FEV1	ERN1	cg11099375	rs196907	A	G	0.205	0.028	0.230	3.99E-13	-0.007	0.003	0.008	0.014	52.619	TRUE	3.72E-12
FEV1	ERN1	cg12258847	rs196933	G	A	-0.172	0.028	0.245	5.31E-10	-0.007	0.003	0.009	0.010	38.539	TRUE	3.29E-09
FEV1	ERN1	cg14603886	rs2331413	G	A	0.215	0.032	0.154	2.64E-11	-0.007	0.003	0.037	0.012	44.405	TRUE	1.35E-10
FEV1	ERN1	cg17463083	rs196952	C	T	-0.201	0.027	0.247	2.20E-13	-0.007	0.003	0.011	0.014	53.787	TRUE	1.96E-12
FEV1	EXOC4	cg02347763	rs4728298	A	T	-0.205	0.029	0.182	2.52E-12	-0.003	0.003	0.363	0.013	49.005	TRUE	6.76E-12
FEV1	EXOC4	cg03336402	rs2346446	G	T	0.177	0.029	0.189	1.61E-09	0.000	0.003	0.991	0.010	36.377	TRUE	2.06E-09
FEV1	EXOC4	cg03336402	rs2953633	A	C	-0.241	0.024	0.364	7.72E-24	0.002	0.002	0.382	0.027	101.293	TRUE	4.69E-23
FEV1	EXOC4	cg06070229	rs35284403	C	T	-0.171	0.025	0.357	5.45E-12	0.000	0.003	0.926	0.013	47.491	TRUE	8.11E-12
FEV1	EXOC4	cg07608826	rs1004149	C	T	-0.269	0.037	0.121	3.93E-13	0.012	0.004	7.03E-04	0.014	52.650	TRUE	5.97E-12
FEV1	EXOC4	cg07608826	rs10277847	G	A	-0.148	0.025	0.366	1.98E-09	0.001	0.003	0.678	0.010	35.971	TRUE	3.19E-09
FEV1	EXOC4	cg07608826	rs1149552	A	G	0.177	0.025	0.325	7.22E-13	0.000	0.003	1.000	0.014	51.455	TRUE	1.06E-12
FEV1	EXOC4	cg07608826	rs11769029	G	T	-0.199	0.024	0.377	1.27E-16	-0.003	0.003	0.166	0.018	68.468	TRUE	6.47E-16
FEV1	EXOC4	cg07608826	rs12707132	T	C	-0.321	0.045	0.072	8.35E-13	-0.002	0.004	0.657	0.014	51.170	TRUE	1.65E-12
FEV1	EXOC4	cg07608826	rs16874341	T	C	-0.272	0.033	0.138	2.49E-16	-0.003	0.003	0.378	0.018	67.134	TRUE	8.56E-16
FEV1	EXOC4	cg07608826	rs55963182	T	C	-0.297	0.042	0.091	1.04E-12	-0.007	0.004	0.099	0.014	50.747	TRUE	4.60E-12
FEV1	EXOC4	cg07608826	rs62470397	C	T	-0.279	0.033	0.151	1.34E-17	-0.007	0.003	0.048	0.019	72.889	TRUE	1.22E-16
FEV1	EXOC4	cg07608826	rs6467475	A	G	-0.162	0.025	0.344	1.20E-10	-0.003	0.003	0.265	0.011	41.440	TRUE	3.22E-10
FEV1	EXOC4	cg07608826	rs6954610	A	G	0.533	0.023	0.460	2.89E-122	-0.003	0.002	0.232	0.130	552.642	TRUE	2.06E-114
FEV1	EXOC4	cg10665199	rs10234153	C	G	-0.341	0.027	0.222	1.71E-35	0.000	0.003	0.884	0.040	154.519	TRUE	1.26E-34
FEV1	EXOC4	cg10665199	rs117359401	T	C	-0.378	0.062	0.036	1.17E-09	0.005	0.006	0.475	0.010	36.996	TRUE	2.30E-09
FEV1	EXOC4	cg10665199	rs11767440	C	G	-0.151	0.025	0.362	7.12E-10	0.001	0.003	0.742	0.010	37.968	TRUE	1.12E-09
FEV1	EXOC4	cg10665199	rs13240465	G	A	0.771	0.021	0.337	1.21E-286	0.002	0.003	0.487	0.261	1308.357	TRUE	9.27E-255
FEV1	EXOC4	cg10665199	rs148224531	T	C	0.476	0.061	0.043	4.62E-15	-0.008	0.006	0.235	0.016	61.383	TRUE	1.83E-14

FEV1	EXOC4	cg10665199	rs151158616	T	G	-0.397	0.072	0.032	3.22E-08	-0.005	0.007	0.446	0.008	30.557	TRUE	5.91E-08
FEV1	EXOC4	cg10665199	rs1791002	A	C	0.131	0.024	0.414	3.18E-08	-0.003	0.002	0.283	0.008	30.577	TRUE	6.96E-08
FEV1	EXOC4	cg10665199	rs1922420	C	A	-0.461	0.027	0.218	1.28E-65	0.001	0.003	0.866	0.073	292.546	TRUE	2.92E-63
FEV1	EXOC4	cg10665199	rs35176962	C	A	0.377	0.024	0.314	5.98E-54	0.004	0.003	0.076	0.061	239.037	TRUE	3.05E-51
FEV1	EXOC4	cg10665199	rs55865736	A	C	0.333	0.038	0.118	9.90E-19	0.008	0.004	0.039	0.021	78.037	TRUE	1.11E-17
FEV1	EXOC4	cg10665199	rs62462533	A	G	0.176	0.027	0.244	1.36E-10	0.005	0.003	0.092	0.011	41.192	TRUE	5.20E-10
FEV1	EXOC4	cg10665199	rs62470436	A	G	0.559	0.052	0.054	1.71E-26	0.006	0.005	0.181	0.030	113.394	TRUE	2.08E-25
FEV1	EXOC4	cg10665199	rs73150814	T	C	-0.415	0.050	0.060	5.16E-17	0.009	0.005	0.075	0.019	70.236	TRUE	3.82E-16
FEV1	EXOC4	cg10665199	rs77206411	C	T	-0.257	0.039	0.097	3.65E-11	-0.004	0.004	0.285	0.012	43.767	TRUE	9.89E-11
FEV1	EXOC4	cg10665199	rs78285750	G	C	0.454	0.055	0.047	2.03E-16	-0.004	0.005	0.415	0.018	67.536	TRUE	6.66E-16
FEV1	EXOC4	cg13616215	rs2542274	T	C	-0.154	0.023	0.456	2.74E-11	-0.003	0.002	0.292	0.012	44.328	TRUE	7.34E-11
FEV1	EXOC4	cg13616215	rs73165664	A	C	0.151	0.027	0.231	1.61E-08	0.001	0.003	0.851	0.009	31.893	TRUE	2.20E-08
FEV1	EXOC4	cg22702741	rs9987001	G	C	-0.238	0.033	0.154	2.50E-13	0.001	0.003	0.756	0.014	53.536	TRUE	4.63E-13
FEV1	EXOC4	cg23169584	rs10252584	G	A	0.148	0.025	0.366	2.22E-09	-0.004	0.002	0.096	0.010	35.749	TRUE	7.57E-09
FEV1	EXOC4	cg23169584	rs11562036	C	T	0.307	0.025	0.332	6.72E-35	0.001	0.003	0.616	0.039	151.802	TRUE	6.95E-34
FEV1	EXOC4	cg23169584	rs12666682	A	C	0.184	0.023	0.423	2.99E-15	-0.005	0.002	0.026	0.017	62.242	TRUE	2.56E-14
FEV1	EXOC4	cg23169584	rs143713417	T	G	-0.837	0.105	0.011	1.18E-15	-0.012	0.012	0.321	0.017	64.074	TRUE	4.19E-15
FEV1	EXOC4	cg23169584	rs144525480	C	G	-0.911	0.082	0.019	1.58E-28	0.009	0.009	0.315	0.032	122.680	TRUE	1.66E-27
FEV1	EXOC4	cg23169584	rs146687467	C	T	-1.118	0.108	0.015	3.26E-25	0.001	0.010	0.943	0.028	107.560	TRUE	1.00E-24
FEV1	EXOC4	cg23169584	rs17573824	G	C	-0.327	0.028	0.203	3.39E-31	-0.001	0.003	0.773	0.035	134.876	TRUE	2.02E-30
FEV1	EXOC4	cg23169584	rs2346441	G	A	0.292	0.033	0.154	4.41E-19	0.001	0.003	0.889	0.021	79.632	TRUE	9.97E-19
FEV1	EXOC4	cg23169584	rs55963182	T	C	-0.538	0.041	0.091	1.13E-38	-0.007	0.004	0.099	0.044	169.069	TRUE	6.89E-37
FEV1	EXOC4	cg23169584	rs62462495	G	A	0.274	0.031	0.184	3.86E-19	0.002	0.003	0.444	0.021	79.896	TRUE	1.48E-18
FEV1	EXOC4	cg23169584	rs62470953	T	C	0.225	0.040	0.103	1.56E-08	0.006	0.004	0.101	0.009	31.954	TRUE	4.75E-08
FEV1	EXOC4	cg23169584	rs73148952	A	G	-1.302	0.183	0.010	1.05E-12	-0.009	0.014	0.516	0.014	50.721	TRUE	2.39E-12
FEV1	EXOC4	cg23169584	rs73164816	A	G	-0.491	0.043	0.080	6.74E-30	0.000	0.005	0.966	0.034	128.943	TRUE	2.82E-29
FEV1	EXOC4	cg23169584	rs73165643	T	C	-0.910	0.063	0.039	9.33E-47	0.009	0.006	0.151	0.053	206.075	TRUE	1.15E-44
FEV1	EXOC4	cg23169584	rs7778582	G	A	-1.416	0.024	0.139	<1E-200	0.006	0.004	0.082	0.482	3443.650	TRUE	<1E-200
FEV1	EXOC4	cg23169584	rs8180775	T	C	-0.451	0.039	0.102	1.96E-31	-0.001	0.004	0.860	0.035	135.965	TRUE	1.06E-30
FEV1	EXOC4	cg25467879	rs12707122	C	A	-0.236	0.027	0.270	1.65E-18	-0.007	0.003	0.010	0.020	77.029	TRUE	2.79E-17
FEV1	EXOC4	cg25467879	rs55977260	G	T	-0.245	0.039	0.096	2.89E-10	-0.005	0.004	0.218	0.011	39.727	TRUE	8.07E-10
FEV1	EXOC4	cg25467879	rs7457999	C	T	0.247	0.028	0.233	8.84E-19	0.006	0.003	0.044	0.021	78.260	TRUE	9.57E-18
FEV1	EYA2	cg00507855	rs11698310	G	A	-0.206	0.026	0.275	2.30E-15	0.007	0.003	0.011	0.017	62.756	TRUE	2.55E-14
FEV1	EYA2	cg00507855	rs11698823	A	T	0.187	0.027	0.255	6.06E-12	-0.001	0.003	0.610	0.013	47.284	TRUE	1.20E-11
FEV1	EYA2	cg00507855	rs143763104	T	G	-0.853	0.131	0.014	6.50E-11	-0.017	0.010	0.102	0.011	42.640	TRUE	2.47E-10
FEV1	EYA2	cg06554935	rs6122562	G	A	0.214	0.023	0.471	3.05E-20	-0.003	0.002	0.281	0.022	84.913	TRUE	1.68E-19
FEV1	EYA2	cg26046136	rs6018188	G	A	-0.215	0.024	0.496	7.75E-20	0.017	0.002	5.96E-13	0.022	83.069	TRUE	7.52E-17
FEV1	EYA2	cg27589058	rs116887461	A	G	0.660	0.105	0.028	3.71E-10	0.014	0.007	0.040	0.010	39.239	TRUE	1.67E-09
FEV1	EYA2	cg27589058	rs11696358	G	C	-0.227	0.037	0.111	1.32E-09	-0.001	0.004	0.695	0.010	36.760	TRUE	2.12E-09
FEV1	EYA2	cg27589058	rs1340774	G	C	0.174	0.026	0.285	3.23E-11	-0.003	0.003	0.281	0.012	44.010	TRUE	8.78E-11
FEV1	EYA2	cg27589058	rs141614125	T	C	-0.587	0.082	0.020	1.09E-12	0.007	0.008	0.354	0.014	50.652	TRUE	3.00E-12
FEV1	EYA2	cg27589058	rs2066225	T	C	0.290	0.023	0.487	2.61E-35	0.002	0.002	0.353	0.040	153.680	TRUE	4.91E-34

FEV1	EYA2	cg27589058	rs28410109	T	C	0.422	0.056	0.045	3.34E-14	0.008	0.006	0.169	0.015	57.494	TRUE	1.41E-13
FEV1	EYA2	cg27589058	rs2868859	T	C	0.277	0.024	0.356	7.88E-30	-0.001	0.002	0.607	0.034	128.634	TRUE	5.60E-29
FEV1	EYA2	cg27589058	rs2903940	G	A	0.824	0.020	0.495	<1E-200	-0.002	0.002	0.520	0.309	1652.887	TRUE	<1E-200
FEV1	EYA2	cg27589058	rs4810621	C	T	-0.467	0.036	0.125	2.49E-39	0.004	0.004	0.261	0.044	172.074	TRUE	8.58E-38
FEV1	EYA2	cg27589058	rs6018337	A	G	0.405	0.057	0.087	9.67E-13	-0.004	0.004	0.398	0.014	50.882	TRUE	2.53E-12
FEV1	EYA2	cg27589058	rs6066249	T	C	-0.373	0.024	0.404	2.11E-54	0.001	0.002	0.738	0.061	241.109	TRUE	1.43E-52
FEV1	FAF1	cg07174182	rs11205809	G	A	-0.374	0.034	0.136	1.13E-28	0.002	0.003	0.654	0.032	123.354	TRUE	6.65E-28
FEV1	FAF1	cg07174182	rs140892763	T	C	-0.920	0.126	0.014	3.21E-13	0.009	0.011	0.383	0.014	53.047	TRUE	8.76E-13
FEV1	FAF1	cg07174182	rs2784156	C	T	-0.217	0.023	0.482	1.92E-20	0.012	0.002	5.06E-07	0.023	85.823	TRUE	3.25E-18
FEV1	FAF1	cg07174182	rs72894174	C	T	-0.397	0.037	0.110	2.71E-27	-0.002	0.004	0.624	0.031	117.050	TRUE	1.48E-26
FEV1	FAF1	cg07174182	rs72900938	C	T	-1.293	0.035	0.090	6.83E-291	0.010	0.004	0.013	0.264	1327.900	TRUE	1.22E-255
FEV1	FAF1	cg12421536	rs147074973	C	T	-0.297	0.040	0.089	2.15E-13	0.008	0.004	0.057	0.014	53.833	TRUE	1.22E-12
FEV1	FAIM	cg02712878	rs11924443	T	G	-0.489	0.023	0.462	6.60E-99	-0.008	0.002	0.001	0.107	445.342	TRUE	1.28E-91
FEV1	FAIM	cg02712878	rs40005	G	A	-0.183	0.029	0.215	1.52E-10	-0.010	0.003	3.10E-04	0.011	40.980	TRUE	1.77E-09
FEV1	FAIM	cg02712878	rs62280707	A	G	-0.293	0.044	0.086	2.67E-11	0.002	0.005	0.686	0.012	44.379	TRUE	4.74E-11
FEV1	FAIM	cg02712878	rs6784503	T	A	0.441	0.057	0.043	1.48E-14	0.015	0.005	0.005	0.016	59.095	TRUE	1.82E-13
FEV1	FAIM	cg06309968	rs7650967	G	A	-0.166	0.024	0.464	2.99E-12	-0.008	0.002	7.19E-04	0.013	48.672	TRUE	3.86E-11
FEV1	FAIM	cg17462391	rs1585188	C	T	-0.275	0.023	0.444	3.28E-32	-0.011	0.002	4.95E-06	0.036	139.512	TRUE	2.15E-29
FEV1	FAIM	cg17462391	rs9819273	C	G	-0.243	0.043	0.084	1.89E-08	-0.005	0.004	0.263	0.008	31.586	TRUE	4.28E-08
FEV1	FDX1	cg06674932	rs2724438	A	T	0.189	0.028	0.227	1.03E-11	-0.002	0.003	0.402	0.012	46.237	TRUE	2.53E-11
FEV1	FDX1	cg09762563	rs1613833	C	T	-0.134	0.024	0.359	3.90E-08	-0.003	0.003	0.190	0.008	30.184	TRUE	9.59E-08
FEV1	FDX1	cg09762563	rs4754450	C	T	0.250	0.023	0.413	3.99E-27	0.005	0.002	0.032	0.030	116.284	TRUE	1.14E-25
FEV1	FDX1	cg20364660	rs11525418	C	T	-0.186	0.024	0.470	4.05E-15	0.000	0.002	0.997	0.016	61.641	TRUE	6.57E-15
FEV1	FDX1	cg20364660	rs12785938	T	G	-0.569	0.029	0.199	1.45E-87	-0.003	0.003	0.297	0.096	393.261	TRUE	4.95E-83
FEV1	FDX1	cg20364660	rs226151	T	C	0.147	0.024	0.459	5.74E-10	-0.004	0.002	0.109	0.010	38.387	TRUE	1.92E-09
FEV1	FDX1	cg20364660	rs595737	G	T	-0.216	0.024	0.402	6.29E-20	0.000	0.002	0.857	0.022	83.481	TRUE	1.51E-19
FEV1	FDX1	cg20364660	rs7124843	T	C	0.283	0.032	0.159	1.63E-18	0.010	0.003	0.002	0.020	77.048	TRUE	4.10E-17
FEV1	FDX1	cg20364660	rs71466717	T	C	-0.430	0.066	0.033	8.48E-11	-0.015	0.008	0.058	0.011	42.122	TRUE	3.74E-10
FEV1	FER	cg11403831	rs79409628	T	G	-0.363	0.043	0.079	5.51E-17	0.014	0.004	9.55E-04	0.019	70.107	TRUE	1.34E-15
FEV1	FER	cg16174681	rs6594336	T	C	-0.150	0.024	0.453	2.03E-10	-0.004	0.002	0.101	0.011	40.416	TRUE	7.26E-10
FEV1	FER	cg16174681	rs79409628	T	G	0.513	0.044	0.079	1.15E-31	0.014	0.004	9.55E-04	0.036	137.023	TRUE	2.00E-29
FEV1	FER	cg16286925	rs11950165	A	T	-0.178	0.027	0.251	7.21E-11	-0.003	0.003	0.368	0.011	42.438	TRUE	1.74E-10
FEV1	FER	cg17317165	rs143093286	A	G	-0.242	0.027	0.228	1.41E-18	-0.002	0.003	0.504	0.020	77.344	TRUE	4.81E-18
FEV1	FER	cg17317165	rs6869357	C	T	-0.142	0.024	0.394	5.06E-09	0.000	0.002	0.852	0.009	34.146	TRUE	7.00E-09
FEV1	FER	cg19526267	rs10063167	A	T	-0.137	0.024	0.373	1.28E-08	0.004	0.002	0.120	0.009	32.339	TRUE	3.71E-08
FEV1	FER	cg19526267	rs181331526	G	A	0.547	0.056	0.043	2.18E-22	-0.007	0.006	0.197	0.025	94.680	TRUE	1.73E-21
FEV1	FER	cg19730600	rs10059972	A	G	0.402	0.073	0.031	3.72E-08	0.002	0.006	0.760	0.008	30.273	TRUE	5.34E-08
FEV1	FER	cg19730600	rs115004203	A	G	0.440	0.068	0.030	1.27E-10	0.003	0.007	0.676	0.011	41.332	TRUE	2.21E-10
FEV1	FER	cg19730600	rs12152902	A	G	0.652	0.029	0.205	1.12E-115	0.001	0.003	0.716	0.124	522.366	TRUE	2.86E-109
FEV1	FER	cg19730600	rs145640892	T	C	0.562	0.076	0.026	1.11E-13	-0.013	0.008	0.116	0.015	55.135	TRUE	5.18E-13
FEV1	FER	cg19730600	rs2940516	C	T	-0.151	0.024	0.363	2.93E-10	-0.003	0.002	0.256	0.011	39.699	TRUE	7.84E-10
FEV1	FER	cg19730600	rs35863505	T	G	0.261	0.027	0.252	1.17E-22	-0.003	0.003	0.327	0.025	95.913	TRUE	7.26E-22

FEV1	FER	cg19730600	rs6861439	A	G	0.136	0.023	0.424	7.09E-09	0.001	0.002	0.797	0.009	33.493	TRUE	1.02E-08
FEV1	FER	cg19730600	rs6885260	T	G	-0.172	0.030	0.178	1.55E-08	0.009	0.003	0.003	0.009	31.976	TRUE	9.67E-08
FEV1	FER	cg19730600	rs75390688	A	C	0.350	0.055	0.052	1.66E-10	-0.003	0.005	0.564	0.011	40.808	TRUE	3.14E-10
FEV1	FER	cg19730600	rs7711795	G	A	-0.199	0.026	0.295	1.86E-14	0.002	0.003	0.433	0.016	58.643	TRUE	5.15E-14
FEV1	FER	cg20423064	rs10074335	G	A	-0.240	0.044	0.078	3.54E-08	-0.004	0.004	0.399	0.008	30.369	TRUE	6.78E-08
FEV1	FER	cg20423064	rs12519202	T	C	-0.221	0.035	0.119	3.41E-10	0.006	0.004	0.102	0.011	39.400	TRUE	1.21E-09
FEV1	FER	cg20423064	rs2081126	C	T	-0.145	0.025	0.351	3.13E-09	0.004	0.002	0.124	0.009	35.085	TRUE	9.78E-09
FEV1	FER	cg20423064	rs75169262	A	G	-0.339	0.057	0.043	2.71E-09	-0.005	0.006	0.455	0.009	35.365	TRUE	5.30E-09
FEV1	FER	cg20423064	rs7734520	T	G	-0.727	0.051	0.050	5.83E-47	0.002	0.005	0.759	0.053	207.009	TRUE	1.60E-45
FEV1	FEZ1	cg01460481	rs2321158	G	A	-0.167	0.023	0.472	8.75E-13	-0.004	0.002	0.084	0.014	51.079	TRUE	4.11E-12
FEV1	FEZ1	cg01460481	rs2845849	T	C	-0.205	0.028	0.230	1.48E-13	0.001	0.003	0.831	0.015	54.564	TRUE	2.60E-13
FEV1	FEZ1	cg01460481	rs3862619	T	G	0.253	0.024	0.404	6.24E-27	0.009	0.002	3.46E-04	0.030	115.397	TRUE	7.21E-25
FEV1	FEZ1	cg01460481	rs511246	T	C	0.643	0.107	0.014	1.82E-09	0.008	0.010	0.450	0.010	36.138	TRUE	3.61E-09
FEV1	FEZ1	cg01460481	rs546039	C	T	0.183	0.024	0.395	1.88E-14	0.001	0.002	0.752	0.016	58.626	TRUE	3.77E-14
FEV1	FEZ1	cg01460481	rs666160	G	A	0.838	0.035	0.118	1.02E-123	0.014	0.004	1.07E-04	0.131	559.312	TRUE	3.27E-113
FEV1	FEZ1	cg01460481	rs77348105	C	T	0.754	0.072	0.029	8.91E-26	0.020	0.008	0.007	0.029	110.128	TRUE	3.70E-24
FEV1	FEZ1	cg05390307	rs11220103	T	C	-0.177	0.029	0.192	1.62E-09	0.001	0.003	0.771	0.010	36.369	TRUE	2.47E-09
FEV1	FEZ1	cg06302541	rs551131	T	C	-0.238	0.043	0.084	3.38E-08	0.002	0.004	0.694	0.008	30.460	TRUE	5.07E-08
FEV1	FEZ1	cg12906303	rs10893425	C	T	-0.158	0.023	0.495	1.07E-11	-0.003	0.002	0.207	0.012	46.167	TRUE	3.50E-11
FEV1	FEZ1	cg12906303	rs13424	C	A	0.144	0.024	0.326	3.69E-09	0.000	0.003	0.859	0.009	34.761	TRUE	5.11E-09
FEV1	FEZ1	cg12906303	rs1522761	C	A	-0.155	0.023	0.466	1.69E-11	-0.002	0.002	0.408	0.012	45.274	TRUE	4.02E-11
FEV1	FEZ1	cg12906303	rs1941367	T	C	0.203	0.024	0.355	1.52E-17	0.005	0.003	0.030	0.019	72.649	TRUE	1.60E-16
FEV1	FEZ1	cg12906303	rs2321158	G	A	-0.207	0.023	0.472	6.89E-19	-0.004	0.002	0.084	0.021	78.752	TRUE	5.73E-18
FEV1	FEZ1	cg12906303	rs2513090	A	G	0.808	0.035	0.124	3.71E-118	0.014	0.004	5.83E-05	0.126	533.761	TRUE	3.82E-108
FEV1	FEZ1	cg12906303	rs511246	T	C	0.657	0.107	0.014	7.30E-10	0.008	0.010	0.450	0.010	37.919	TRUE	1.48E-09
FEV1	FEZ1	cg12906303	rs77348105	C	T	0.711	0.072	0.029	3.50E-23	0.020	0.008	0.007	0.026	98.300	TRUE	1.07E-21
FEV1	FEZ1	cg15184602	rs12421948	T	C	-0.201	0.034	0.139	3.79E-09	-0.003	0.003	0.345	0.009	34.709	TRUE	8.19E-09
FEV1	FEZ1	cg15184602	rs1284352	C	A	0.146	0.024	0.356	1.83E-09	-0.001	0.003	0.651	0.010	36.125	TRUE	3.03E-09
FEV1	FEZ1	cg15184602	rs2849222	C	T	0.208	0.026	0.291	3.58E-16	0.005	0.003	0.037	0.018	66.416	TRUE	3.06E-15
FEV1	FEZ1	cg18436735	rs2845849	T	C	-0.176	0.028	0.230	1.98E-10	0.001	0.003	0.831	0.011	40.464	TRUE	2.99E-10
FEV1	FEZ1	cg18436735	rs3862619	T	G	0.178	0.024	0.404	4.42E-14	0.009	0.002	3.46E-04	0.015	56.943	TRUE	8.53E-13
FEV1	FEZ1	cg18436735	rs669052	C	A	0.636	0.036	0.121	1.28E-70	0.014	0.004	7.90E-05	0.079	315.492	TRUE	3.02E-65
FEV1	FEZ1	cg18436735	rs77348105	C	T	0.575	0.072	0.029	1.38E-15	0.020	0.008	0.007	0.017	63.768	TRUE	1.71E-14
FEV1	FEZ1	cg19433435	rs2155388	A	G	0.166	0.026	0.284	1.40E-10	0.006	0.003	0.028	0.011	41.143	TRUE	7.33E-10
FEV1	FEZ1	cg19792194	rs601034	C	T	-0.455	0.042	0.093	1.05E-27	0.002	0.004	0.693	0.031	118.935	TRUE	5.29E-27
FEV1	FEZ1	cg23366166	rs7108311	A	G	-0.172	0.031	0.168	3.16E-08	0.003	0.003	0.441	0.008	30.592	TRUE	5.87E-08
FEV1	FEZ2	cg01109574	rs13391939	A	G	0.171	0.025	0.423	3.24E-12	-0.007	0.002	0.002	0.013	48.512	TRUE	3.45E-11
FEV1	FEZ2	cg01109574	rs13405239	G	T	-0.313	0.024	0.381	7.22E-39	0.008	0.002	0.001	0.044	169.956	TRUE	3.06E-36
FEV1	FEZ2	cg01109574	rs848505	C	T	-0.141	0.026	0.301	3.48E-08	-0.001	0.003	0.776	0.008	30.404	TRUE	4.91E-08
FEV1	FEZ2	cg01109574	rs848621	A	G	0.217	0.026	0.318	2.09E-17	-0.007	0.003	0.003	0.019	72.024	TRUE	4.08E-16
FEV1	FEZ2	cg01206211	rs10192768	T	C	0.285	0.050	0.166	1.10E-08	0.003	0.003	0.431	0.009	32.644	TRUE	2.13E-08
FEV1	FEZ2	cg01206211	rs115696505	T	G	-0.397	0.066	0.031	1.45E-09	-0.002	0.007	0.797	0.010	36.578	TRUE	2.16E-09

FEV1	FEZ2	cg01206211	rs2287104	T	C	-0.708	0.024	0.272	1.17E-191	-0.004	0.003	0.173	0.191	871.580	TRUE	4.52E-175
FEV1	FEZ2	cg01206211	rs2372707	T	C	-0.246	0.026	0.294	1.55E-21	-0.001	0.003	0.624	0.024	90.800	TRUE	5.58E-21
FEV1	FEZ2	cg01206211	rs3770946	A	G	-0.174	0.025	0.335	3.02E-12	0.000	0.002	0.875	0.013	48.648	TRUE	4.82E-12
FEV1	FEZ2	cg01206211	rs4670563	G	A	-0.223	0.024	0.350	9.10E-20	0.003	0.002	0.193	0.022	82.752	TRUE	5.96E-19
FEV1	FEZ2	cg01206211	rs62136183	G	A	0.439	0.074	0.024	3.29E-09	-0.007	0.007	0.351	0.009	34.985	TRUE	7.11E-09
FEV1	FEZ2	cg01206211	rs6733328	A	G	-0.156	0.026	0.313	2.03E-09	0.003	0.003	0.227	0.010	35.924	TRUE	5.31E-09
FEV1	FEZ2	cg01206211	rs848548	A	C	0.211	0.026	0.283	3.98E-16	-0.003	0.003	0.243	0.018	66.209	TRUE	1.66E-15
FEV1	FEZ2	cg01206211	rs848617	C	G	0.298	0.025	0.313	5.13E-33	-0.003	0.003	0.228	0.037	143.192	TRUE	1.01E-31
FEV1	FEZ2	cg04352803	rs848610	T	A	-0.189	0.024	0.371	5.25E-15	0.007	0.002	0.006	0.016	61.131	TRUE	6.72E-14
FEV1	FEZ2	cg06634576	rs10192768	T	C	0.425	0.050	0.166	8.80E-18	0.003	0.003	0.431	0.020	73.725	TRUE	3.16E-17
FEV1	FEZ2	cg06634576	rs11124528	C	A	-0.187	0.024	0.411	1.31E-14	-0.001	0.002	0.720	0.016	59.339	TRUE	2.65E-14
FEV1	FEZ2	cg06634576	rs113399069	C	A	-0.875	0.149	0.016	4.08E-09	0.002	0.008	0.776	0.009	34.565	TRUE	6.05E-09
FEV1	FEZ2	cg06634576	rs114378373	G	A	-0.647	0.056	0.048	2.96E-31	-0.008	0.005	0.145	0.035	135.142	TRUE	6.55E-30
FEV1	FEZ2	cg06634576	rs115696505	T	G	0.467	0.066	0.031	1.16E-12	-0.002	0.007	0.797	0.013	50.527	TRUE	2.00E-12
FEV1	FEZ2	cg06634576	rs144029257	C	G	-0.764	0.075	0.024	1.83E-24	-0.016	0.007	0.017	0.027	104.140	TRUE	5.14E-23
FEV1	FEZ2	cg06634576	rs145219350	G	A	-0.847	0.092	0.017	2.39E-20	0.020	0.010	0.039	0.023	85.392	TRUE	3.11E-19
FEV1	FEZ2	cg06634576	rs1465335	A	G	-0.172	0.024	0.423	3.51E-13	0.003	0.002	0.289	0.014	52.874	TRUE	1.11E-12
FEV1	FEZ2	cg06634576	rs2888369	A	T	0.384	0.024	0.339	2.23E-55	0.003	0.003	0.309	0.062	245.589	TRUE	4.54E-53
FEV1	FEZ2	cg06634576	rs3770900	G	T	-0.313	0.024	0.416	1.53E-39	-0.007	0.002	0.004	0.045	173.038	TRUE	5.25E-37
FEV1	FEZ2	cg06634576	rs4670148	T	C	0.507	0.025	0.317	9.19E-93	-0.005	0.003	0.073	0.101	417.129	TRUE	3.83E-87
FEV1	FEZ2	cg06634576	rs4670560	T	C	-0.595	0.027	0.226	1.73E-104	0.000	0.003	0.876	0.113	470.975	TRUE	2.65E-99
FEV1	FEZ2	cg06634576	rs62136186	G	A	0.401	0.072	0.025	1.99E-08	-0.004	0.007	0.529	0.008	31.485	TRUE	3.47E-08
FEV1	FEZ2	cg06634576	rs6544015	A	T	-0.527	0.027	0.240	2.77E-84	0.004	0.003	0.192	0.093	378.198	TRUE	8.28E-80
FEV1	FEZ2	cg06634576	rs6714112	A	C	-0.287	0.033	0.149	1.01E-18	0.005	0.003	0.134	0.021	78.006	TRUE	6.75E-18
FEV1	FEZ2	cg06634576	rs711245	A	G	-0.962	0.021	0.321	<1E-200	-0.004	0.003	0.118	0.367	2148.898	TRUE	<1E-200
FEV1	FEZ2	cg06634576	rs711246	G	C	-0.853	0.156	0.010	4.92E-08	-0.021	0.015	0.150	0.008	29.731	TRUE	1.28E-07
FEV1	FEZ2	cg06634576	rs72785167	T	C	-0.246	0.044	0.075	2.98E-08	-0.001	0.004	0.893	0.008	30.703	TRUE	3.93E-08
FEV1	FEZ2	cg06634576	rs72795287	T	C	-0.769	0.092	0.019	4.59E-17	0.002	0.009	0.802	0.019	70.467	TRUE	1.00E-16
FEV1	FEZ2	cg06634576	rs76259623	C	T	0.384	0.041	0.080	8.11E-21	-0.009	0.004	0.044	0.023	87.528	TRUE	1.05E-19
FEV1	FEZ2	cg06634576	rs848504	T	C	0.157	0.024	0.418	4.28E-11	-0.006	0.002	0.007	0.012	43.457	TRUE	3.11E-10
FEV1	FEZ2	cg06634576	rs997602	G	A	-0.436	0.038	0.107	9.02E-30	0.001	0.004	0.781	0.034	128.365	TRUE	4.76E-29
FEV1	FEZ2	cg07673538	rs1544655	G	A	0.331	0.027	0.271	5.55E-35	-0.004	0.003	0.173	0.040	152.182	TRUE	1.57E-33
FEV1	FEZ2	cg07673538	rs4670153	C	G	-0.203	0.024	0.341	1.01E-16	0.004	0.002	0.070	0.018	68.910	TRUE	7.56E-16
FEV1	FEZ2	cg07673538	rs7602835	A	G	-0.147	0.024	0.409	9.61E-10	-0.002	0.002	0.307	0.010	37.382	TRUE	2.24E-09
FEV1	FEZ2	cg07673538	rs76525014	A	G	0.391	0.071	0.028	3.84E-08	-0.010	0.008	0.211	0.008	30.211	TRUE	9.12E-08
FEV1	FEZ2	cg09467607	rs1017153	G	T	0.291	0.027	0.230	2.67E-26	-0.001	0.003	0.755	0.030	112.513	TRUE	1.11E-25
FEV1	FEZ2	cg09467607	rs10191126	G	A	0.144	0.025	0.323	8.52E-09	-0.001	0.003	0.669	0.009	33.135	TRUE	1.36E-08
FEV1	FEZ2	cg09467607	rs10490666	T	A	-0.147	0.026	0.306	2.17E-08	-0.001	0.003	0.580	0.008	31.317	TRUE	3.62E-08
FEV1	FEZ2	cg09467607	rs111453351	A	T	-0.411	0.059	0.037	2.66E-12	0.005	0.006	0.474	0.013	48.899	TRUE	6.20E-12
FEV1	FEZ2	cg09467607	rs111600359	C	T	-0.607	0.025	0.296	2.86E-131	-0.002	0.003	0.383	0.138	594.011	TRUE	7.96E-123
FEV1	FEZ2	cg09467607	rs11886145	G	C	0.760	0.022	0.329	2.28E-260	-0.005	0.003	0.065	0.243	1187.524	TRUE	6.83E-232
FEV1	FEZ2	cg09467607	rs144029257	C	G	0.437	0.075	0.024	6.13E-09	-0.016	0.007	0.017	0.009	33.775	TRUE	2.95E-08

FEV1	FEZ2	cg09467607	rs145219350	G	A	0.538	0.092	0.017	4.96E-09	0.020	0.010	0.039	0.009	34.188	TRUE	1.99E-08
FEV1	FEZ2	cg09467607	rs17480531	T	G	0.419	0.060	0.041	3.33E-12	-0.007	0.006	0.234	0.013	48.460	TRUE	1.05E-11
FEV1	FEZ2	cg09467607	rs1861392	G	A	0.287	0.033	0.149	2.00E-18	0.006	0.003	0.094	0.020	76.646	TRUE	1.58E-17
FEV1	FEZ2	cg09467607	rs2110881	C	T	-0.315	0.040	0.102	1.65E-15	-0.004	0.004	0.291	0.017	63.405	TRUE	6.09E-15
FEV1	FEZ2	cg09467607	rs2372694	G	A	0.294	0.026	0.299	3.24E-30	0.004	0.003	0.160	0.034	130.398	TRUE	5.91E-29
FEV1	FEZ2	cg09467607	rs3732075	A	G	0.202	0.027	0.250	5.83E-14	0.002	0.003	0.448	0.015	56.399	TRUE	1.53E-13
FEV1	FEZ2	cg09467607	rs3770946	A	G	-0.283	0.025	0.335	3.82E-30	0.000	0.002	0.875	0.034	130.070	TRUE	1.86E-29
FEV1	FEZ2	cg09467607	rs75597083	A	G	0.363	0.043	0.082	4.17E-17	-0.006	0.004	0.119	0.019	70.657	TRUE	2.61E-16
FEV1	FEZ2	cg09467607	rs79688789	C	G	0.821	0.095	0.015	4.93E-18	-0.006	0.008	0.464	0.020	74.870	TRUE	1.69E-17
FEV1	FEZ2	cg09467607	rs848548	A	C	0.343	0.026	0.283	1.09E-40	-0.003	0.003	0.243	0.046	178.290	TRUE	4.61E-39
FEV1	FEZ2	cg09467607	rs882842	C	A	0.425	0.070	0.030	1.35E-09	-0.014	0.007	0.047	0.010	36.721	TRUE	5.51E-09
FEV1	FEZ2	cg09467607	rs884216	T	A	-0.445	0.029	0.215	2.08E-54	-0.004	0.003	0.200	0.061	241.135	TRUE	5.68E-52
FEV1	FEZ2	cg09467607	rs997602	G	A	0.243	0.039	0.107	3.52E-10	0.001	0.004	0.781	0.011	39.341	TRUE	5.44E-10
FEV1	FEZ2	cg10546459	rs10084382	T	C	0.307	0.026	0.312	2.81E-33	0.011	0.003	4.80E-06	0.038	144.387	TRUE	2.45E-30
FEV1	FEZ2	cg10546459	rs10191126	G	A	0.284	0.025	0.323	3.05E-30	-0.001	0.003	0.669	0.034	130.518	TRUE	2.01E-29
FEV1	FEZ2	cg10546459	rs10490666	T	A	-0.376	0.026	0.306	7.23E-48	-0.001	0.003	0.580	0.054	211.163	TRUE	3.13E-46
FEV1	FEZ2	cg10546459	rs11124524	G	C	-0.689	0.120	0.025	9.75E-09	-0.019	0.008	0.013	0.009	32.873	TRUE	4.80E-08
FEV1	FEZ2	cg10546459	rs112164165	G	T	0.513	0.092	0.018	2.66E-08	-0.026	0.008	0.002	0.008	30.924	TRUE	1.68E-07
FEV1	FEZ2	cg10546459	rs114882057	G	A	-0.488	0.079	0.022	7.42E-10	-0.008	0.007	0.268	0.010	37.885	TRUE	1.85E-09
FEV1	FEZ2	cg10546459	rs115545989	T	G	0.528	0.032	0.153	2.41E-59	0.002	0.003	0.538	0.067	263.770	TRUE	4.73E-57
FEV1	FEZ2	cg10546459	rs115696505	T	G	-0.656	0.065	0.031	9.73E-24	-0.002	0.007	0.797	0.027	100.833	TRUE	3.23E-23
FEV1	FEZ2	cg10546459	rs11678226	C	T	-0.916	0.021	0.303	<1E-200	-0.003	0.003	0.207	0.340	1905.014	TRUE	<1E-200
FEV1	FEZ2	cg10546459	rs13417363	A	G	0.162	0.030	0.187	3.84E-08	0.000	0.003	0.954	0.008	30.212	TRUE	4.85E-08
FEV1	FEZ2	cg10546459	rs149357154	A	T	-0.674	0.060	0.039	3.55E-29	-0.006	0.006	0.328	0.033	125.648	TRUE	3.76E-28
FEV1	FEZ2	cg10546459	rs17479952	A	G	0.438	0.078	0.022	1.95E-08	-0.011	0.008	0.140	0.008	31.529	TRUE	5.36E-08
FEV1	FEZ2	cg10546459	rs2372707	T	C	-0.344	0.026	0.294	8.39E-41	-0.001	0.003	0.624	0.046	178.812	TRUE	1.57E-39
FEV1	FEZ2	cg10546459	rs3770929	A	G	0.328	0.024	0.409	1.17E-43	0.004	0.002	0.109	0.049	191.894	TRUE	1.21E-41
FEV1	FEZ2	cg10546459	rs4670563	G	A	-0.307	0.024	0.350	3.10E-36	0.003	0.002	0.193	0.041	157.910	TRUE	1.00E-34
FEV1	FEZ2	cg10546459	rs62136186	G	A	0.462	0.071	0.025	1.01E-10	-0.004	0.007	0.529	0.011	41.787	TRUE	2.01E-10
FEV1	FEZ2	cg10546459	rs6710384	C	A	0.317	0.034	0.136	1.22E-20	0.006	0.003	0.098	0.023	86.715	TRUE	1.17E-19
FEV1	FEZ2	cg10546459	rs68111809	C	T	-0.536	0.081	0.019	4.57E-11	0.012	0.008	0.157	0.012	43.329	TRUE	1.53E-10
FEV1	FEZ2	cg10546459	rs711250	C	G	0.274	0.032	0.156	1.54E-17	-0.001	0.003	0.876	0.019	72.619	TRUE	3.19E-17
FEV1	FEZ2	cg10546459	rs72787263	A	C	-0.402	0.042	0.088	6.48E-22	-0.008	0.004	0.051	0.024	92.527	TRUE	8.98E-21
FEV1	FEZ2	cg10546459	rs76259623	C	T	-0.482	0.041	0.080	4.99E-32	-0.009	0.004	0.044	0.036	138.676	TRUE	2.17E-30
FEV1	FEZ2	cg10546459	rs848505	C	T	0.303	0.026	0.301	1.67E-32	-0.001	0.003	0.776	0.037	140.846	TRUE	1.10E-31
FEV1	FEZ2	cg10546459	rs848555	T	G	0.275	0.026	0.266	1.57E-25	-0.003	0.003	0.256	0.029	109.002	TRUE	1.45E-24
FEV1	FEZ2	cg10546459	rs882842	C	A	0.443	0.070	0.030	2.67E-10	-0.014	0.007	0.047	0.011	39.880	TRUE	1.17E-09
FEV1	FEZ2	cg11324054	rs13013664	A	C	0.218	0.025	0.323	1.70E-18	-0.004	0.003	0.094	0.020	76.968	TRUE	1.29E-17
FEV1	FEZ2	cg11324054	rs2270333	C	G	-0.162	0.025	0.349	5.04E-11	-0.008	0.003	0.001	0.012	43.138	TRUE	4.79E-10
FEV1	FEZ2	cg15105969	rs10191126	G	A	0.271	0.025	0.323	1.16E-27	-0.001	0.003	0.669	0.031	118.733	TRUE	6.21E-27
FEV1	FEZ2	cg15105969	rs10192768	T	C	0.334	0.050	0.166	2.04E-11	0.003	0.003	0.431	0.012	44.908	TRUE	4.73E-11
FEV1	FEZ2	cg15105969	rs10490666	T	A	-0.327	0.026	0.306	2.40E-36	-0.001	0.003	0.580	0.041	158.420	TRUE	3.12E-35

FEV1	FEZ2	cg15105969	rs11124524	G	C	-0.777	0.120	0.025	9.61E-11	-0.019	0.008	0.013	0.011	41.877	TRUE	6.04E-10
FEV1	FEZ2	cg15105969	rs115696505	T	G	-0.636	0.065	0.031	2.23E-22	-0.002	0.007	0.797	0.025	94.638	TRUE	6.74E-22
FEV1	FEZ2	cg15105969	rs11678226	C	T	-0.864	0.023	0.303	<1E-200	-0.003	0.003	0.207	0.283	1462.909	TRUE	1.10E-280
FEV1	FEZ2	cg15105969	rs13417363	A	G	0.178	0.030	0.187	1.51E-09	0.000	0.003	0.954	0.010	36.505	TRUE	2.01E-09
FEV1	FEZ2	cg15105969	rs144029257	C	G	0.560	0.075	0.024	9.20E-14	-0.016	0.007	0.017	0.015	55.501	TRUE	7.75E-13
FEV1	FEZ2	cg15105969	rs17479952	A	G	0.452	0.078	0.022	6.47E-09	-0.011	0.008	0.140	0.009	33.669	TRUE	1.86E-08
FEV1	FEZ2	cg15105969	rs2372707	T	C	-0.345	0.026	0.294	5.46E-41	-0.001	0.003	0.624	0.046	179.665	TRUE	1.04E-39
FEV1	FEZ2	cg15105969	rs3770929	A	G	0.309	0.024	0.409	4.47E-39	0.004	0.002	0.109	0.044	170.912	TRUE	2.68E-37
FEV1	FEZ2	cg15105969	rs4553805	G	C	-0.649	0.061	0.038	1.87E-26	-0.005	0.006	0.393	0.030	113.223	TRUE	1.37E-25
FEV1	FEZ2	cg15105969	rs4670563	G	A	-0.335	0.024	0.350	7.02E-43	0.003	0.002	0.193	0.048	188.322	TRUE	4.79E-41
FEV1	FEZ2	cg15105969	rs60512518	G	A	0.142	0.026	0.306	3.34E-08	0.003	0.003	0.202	0.008	30.480	TRUE	8.06E-08
FEV1	FEZ2	cg15105969	rs62134623	G	A	-0.316	0.045	0.072	2.50E-12	-0.008	0.004	0.091	0.013	49.023	TRUE	1.12E-11
FEV1	FEZ2	cg15105969	rs62136179	G	A	-0.622	0.105	0.010	3.52E-09	-0.020	0.011	0.067	0.009	34.856	TRUE	1.26E-08
FEV1	FEZ2	cg15105969	rs62136186	G	A	0.397	0.072	0.025	2.81E-08	-0.004	0.007	0.529	0.008	30.819	TRUE	4.85E-08
FEV1	FEZ2	cg15105969	rs6716934	T	A	0.361	0.032	0.150	5.57E-29	0.005	0.003	0.139	0.033	124.754	TRUE	9.85E-28
FEV1	FEZ2	cg15105969	rs711245	A	G	0.441	0.025	0.321	7.81E-69	-0.004	0.003	0.118	0.077	307.294	TRUE	2.72E-65
FEV1	FEZ2	cg15105969	rs711250	C	G	0.264	0.032	0.156	2.04E-16	-0.001	0.003	0.876	0.018	67.523	TRUE	3.98E-16
FEV1	FEZ2	cg15105969	rs72787263	A	C	-0.322	0.042	0.088	1.65E-14	-0.008	0.004	0.051	0.016	58.882	TRUE	1.08E-13
FEV1	FEZ2	cg15105969	rs72789216	T	A	-0.499	0.082	0.019	9.41E-10	0.012	0.008	0.157	0.010	37.423	TRUE	2.79E-09
FEV1	FEZ2	cg15105969	rs76259623	C	T	-0.482	0.041	0.080	5.36E-32	-0.009	0.004	0.044	0.036	138.534	TRUE	2.32E-30
FEV1	FEZ2	cg15105969	rs848505	C	T	0.260	0.026	0.301	3.13E-24	-0.001	0.003	0.776	0.027	103.081	TRUE	1.09E-23
FEV1	FEZ2	cg15105969	rs848555	T	G	0.304	0.026	0.266	6.97E-31	-0.003	0.003	0.256	0.035	133.445	TRUE	1.06E-29
FEV1	FEZ2	cg15105969	rs997602	G	A	0.269	0.039	0.107	3.46E-12	0.001	0.004	0.781	0.013	48.381	TRUE	5.90E-12
FEV1	FEZ2	cg24860371	rs11693359	T	C	-0.191	0.025	0.359	7.69E-15	0.008	0.002	7.15E-04	0.016	60.380	TRUE	1.51E-13
FEV1	FGF10	cg16536718	rs969520	T	G	0.216	0.029	0.188	5.54E-14	0.017	0.003	2.25E-09	0.015	56.497	TRUE	5.53E-12
FEV1	FHIT	cg01556706	rs73092688	C	T	0.281	0.038	0.113	1.56E-13	0.005	0.004	0.158	0.015	54.463	TRUE	6.35E-13
FEV1	FHIT	cg03060986	rs12498046	G	T	-0.177	0.024	0.458	4.76E-14	-0.004	0.002	0.141	0.015	56.795	TRUE	2.10E-13
FEV1	FHIT	cg03319184	rs6808129	G	C	0.306	0.026	0.264	3.86E-32	-0.001	0.003	0.654	0.036	139.185	TRUE	3.01E-31
FEV1	FHIT	cg05645292	rs1683354	G	A	0.282	0.030	0.207	6.67E-21	0.007	0.003	0.026	0.023	87.915	TRUE	1.07E-19
FEV1	FHIT	cg05645292	rs56102180	T	C	0.983	0.083	0.021	1.38E-32	-0.009	0.008	0.277	0.037	141.231	TRUE	2.30E-31
FEV1	FHIT	cg05645292	rs6803290	T	C	-0.136	0.024	0.434	1.07E-08	-0.001	0.002	0.574	0.009	32.701	TRUE	1.79E-08
FEV1	FHIT	cg05645292	rs812965	T	C	0.196	0.030	0.195	3.37E-11	-0.002	0.003	0.569	0.012	43.923	TRUE	6.71E-11
FEV1	FHIT	cg08195983	rs143323240	T	C	0.497	0.058	0.041	7.27E-18	-0.005	0.006	0.380	0.020	74.101	TRUE	2.79E-17
FEV1	FHIT	cg08195983	rs9843007	T	A	0.157	0.024	0.360	7.95E-11	0.003	0.002	0.274	0.011	42.247	TRUE	2.11E-10
FEV1	FHIT	cg08223225	rs111725731	C	G	0.395	0.039	0.098	1.74E-24	-0.002	0.004	0.605	0.027	104.245	TRUE	7.95E-24
FEV1	FHIT	cg08223225	rs11920478	G	C	0.189	0.031	0.191	7.01E-10	-0.004	0.003	0.183	0.010	37.997	TRUE	2.00E-09
FEV1	FHIT	cg08223225	rs13066622	C	T	-0.272	0.028	0.227	3.33E-22	0.002	0.003	0.520	0.025	93.842	TRUE	1.43E-21
FEV1	FHIT	cg14147855	rs6446175	T	C	-0.343	0.028	0.219	2.72E-34	0.005	0.003	0.088	0.039	149.027	TRUE	1.07E-32
FEV1	FHIT	cg14147855	rs9879276	A	G	-0.353	0.025	0.312	7.78E-45	0.002	0.003	0.427	0.051	197.275	TRUE	3.34E-43
FEV1	FHIT	cg16140565	rs115318229	T	C	0.468	0.080	0.020	4.55E-09	0.002	0.008	0.796	0.009	34.355	TRUE	6.62E-09
FEV1	FHIT	cg16140565	rs115524555	C	T	-0.505	0.024	0.364	4.81E-100	0.002	0.003	0.515	0.109	450.566	TRUE	8.26E-95
FEV1	FHIT	cg16140565	rs13099360	G	A	0.561	0.059	0.048	1.46E-21	-0.002	0.006	0.703	0.024	90.917	TRUE	4.70E-21

FEV1	FHIT	cg16140565	rs151743	T	C	-0.197	0.033	0.430	1.44E-09	-0.001	0.003	0.712	0.010	36.596	TRUE	2.26E-09
FEV1	FHIT	cg16140565	rs17063095	C	A	0.645	0.038	0.111	8.47E-66	0.000	0.004	0.926	0.073	293.369	TRUE	1.69E-63
FEV1	FHIT	cg16140565	rs242201	G	A	-0.381	0.040	0.090	3.12E-21	0.003	0.004	0.516	0.024	89.417	TRUE	1.24E-20
FEV1	FHIT	cg16140565	rs242213	C	G	0.463	0.040	0.091	3.63E-31	-0.003	0.004	0.493	0.035	134.740	TRUE	3.38E-30
FEV1	FHIT	cg16140565	rs242219	T	C	-0.349	0.034	0.481	1.74E-24	-0.001	0.003	0.615	0.027	104.243	TRUE	7.89E-24
FEV1	FHIT	cg16140565	rs2736824	T	C	0.431	0.074	0.060	5.79E-09	-0.003	0.005	0.595	0.009	33.886	TRUE	9.80E-09
FEV1	FHIT	cg16140565	rs409484	G	A	1.029	0.022	0.498	<1E-200	0.000	0.002	0.940	0.362	2099.301	TRUE	<1E-200
FEV1	FHIT	cg16140565	rs423336	T	G	0.590	0.039	0.099	2.69E-52	-0.001	0.004	0.842	0.059	231.458	TRUE	1.19E-50
FEV1	FHIT	cg16140565	rs6795869	G	A	0.508	0.046	0.067	2.59E-28	0.000	0.005	0.928	0.032	121.704	TRUE	1.01E-27
FEV1	FHIT	cg16140565	rs77800664	C	T	0.532	0.084	0.037	2.34E-10	0.006	0.007	0.380	0.011	40.139	TRUE	5.32E-10
FEV1	FHIT	cg16140565	rs965033	C	T	0.176	0.032	0.379	3.98E-08	-0.004	0.002	0.125	0.008	30.144	TRUE	1.10E-07
FEV1	FHIT	cg16140565	rs9849856	G	A	0.158	0.024	0.494	3.16E-11	0.003	0.002	0.173	0.012	44.049	TRUE	1.01E-10
FEV1	FHIT	cg16806041	rs1038516	G	A	0.200	0.031	0.172	6.81E-11	0.001	0.003	0.779	0.011	42.550	TRUE	1.10E-10
FEV1	FHIT	cg16806041	rs78179214	G	A	0.693	0.088	0.017	3.46E-15	-0.014	0.009	0.118	0.016	61.953	TRUE	1.83E-14
FEV1	FHIT	cg17087356	rs481165	G	C	0.594	0.035	0.130	1.05E-64	0.006	0.004	0.115	0.072	288.348	TRUE	1.91E-61
FEV1	FHIT	cg17087356	rs6801469	T	G	0.162	0.028	0.241	4.75E-09	-0.001	0.003	0.618	0.009	34.270	TRUE	8.03E-09
FEV1	FHIT	cg17573813	rs11712250	G	A	0.342	0.047	0.143	2.57E-13	-0.002	0.004	0.668	0.014	53.480	TRUE	5.16E-13
FEV1	FHIT	cg17573813	rs199743650	T	C	0.403	0.033	0.146	6.59E-35	0.004	0.003	0.274	0.039	151.839	TRUE	1.40E-33
FEV1	FHIT	cg17573813	rs59166923	T	C	-0.338	0.034	0.140	1.13E-23	-0.006	0.003	0.071	0.026	100.530	TRUE	1.66E-22
FEV1	FHIT	cg17573813	rs60695685	C	T	1.094	0.072	0.024	1.23E-52	-0.012	0.008	0.113	0.059	233.018	TRUE	4.07E-50
FEV1	FHIT	cg17573813	rs6445195	G	A	0.215	0.028	0.221	1.85E-14	-0.004	0.003	0.222	0.016	58.651	TRUE	7.29E-14
FEV1	FHIT	cg17573813	rs7374200	G	C	0.490	0.059	0.045	1.33E-16	0.009	0.006	0.177	0.018	68.372	TRUE	6.78E-16
FEV1	FHIT	cg17573813	rs7609667	T	G	0.184	0.026	0.303	1.84E-12	-0.001	0.003	0.784	0.013	49.622	TRUE	3.18E-12
FEV1	FHIT	cg17573813	rs9839707	T	C	1.764	0.049	0.048	1.92E-282	-0.002	0.005	0.741	0.258	1289.038	TRUE	7.54E-252
FEV1	FHIT	cg20366397	rs13093788	C	G	-0.159	0.023	0.416	1.17E-11	-0.002	0.002	0.424	0.012	45.997	TRUE	2.73E-11
FEV1	FHIT	cg21541638	rs13099397	C	A	-0.142	0.024	0.496	2.43E-09	-0.002	0.002	0.435	0.010	35.572	TRUE	4.78E-09
FEV1	FHIT	cg21541638	rs17064628	A	T	0.470	0.059	0.039	1.23E-15	-0.005	0.006	0.380	0.017	63.990	TRUE	4.01E-15
FEV1	FHIT	cg23222057	rs1905864	G	A	-0.149	0.025	0.330	4.17E-09	-0.003	0.003	0.310	0.009	34.522	TRUE	9.51E-09
FEV1	FHIT	cg24504954	rs1851784	C	T	-0.323	0.053	0.047	1.38E-09	-0.003	0.005	0.602	0.010	36.674	TRUE	2.41E-09
FEV1	FHIT	cg25736251	rs1125285	A	G	0.225	0.031	0.167	1.55E-13	0.008	0.003	0.010	0.015	54.479	TRUE	1.43E-12
FEV1	FHIT	cg25921543	rs212032	A	G	0.176	0.024	0.442	1.21E-13	0.005	0.002	0.044	0.015	54.967	TRUE	7.32E-13
FEV1	FHIT	cg27254860	rs17254574	A	G	-0.250	0.036	0.120	3.89E-12	0.007	0.004	0.045	0.013	48.156	TRUE	2.08E-11
FEV1	FIS1	cg01299997	rs112823304	C	T	0.593	0.098	0.017	1.19E-09	0.013	0.031	0.665	0.010	36.970	TRUE	1.97E-09
FEV1	FIS1	cg01299997	rs4729666	T	C	0.238	0.032	0.191	5.20E-14	-0.007	0.003	0.015	0.015	56.623	TRUE	4.57E-13
FEV1	FIS1	cg01299997	rs4729678	T	G	0.231	0.024	0.393	1.01E-21	-0.003	0.002	0.175	0.024	91.654	TRUE	8.13E-21
FEV1	FIS1	cg01299997	rs6979286	G	A	0.649	0.051	0.056	1.15E-37	-0.007	0.005	0.151	0.043	164.450	TRUE	4.85E-36
FEV1	FIS1	cg01299997	rs75741381	G	C	-0.187	0.032	0.157	6.59E-09	0.005	0.003	0.128	0.009	33.634	TRUE	1.93E-08
FEV1	FIS1	cg01299997	rs77379913	A	G	-0.904	0.072	0.029	3.03E-36	-0.001	0.007	0.917	0.041	157.954	TRUE	2.27E-35
FEV1	FIS1	cg03239279	rs184781527	A	G	-1.102	0.111	0.015	2.91E-23	-0.022	0.011	0.055	0.026	98.663	TRUE	4.51E-22
FEV1	FIS1	cg17825709	rs371349457	G	C	0.548	0.052	0.053	6.22E-26	-0.008	0.005	0.128	0.029	110.840	TRUE	8.65E-25
FEV1	FIS1	cg17825709	rs4729678	T	G	0.179	0.024	0.393	1.33E-13	-0.003	0.002	0.175	0.015	54.780	TRUE	5.33E-13
FEV1	FIS1	cg17825709	rs734688	T	C	-0.131	0.024	0.388	3.46E-08	-0.004	0.002	0.124	0.008	30.416	TRUE	9.61E-08

FEV1	FIS1	cg17825709	rs77379913	A	G	-0.449	0.072	0.029	5.34E-10	-0.001	0.007	0.917	0.010	38.526	TRUE	7.42E-10
FEV1	FIS1	cg17944572	rs2302428	C	T	-0.255	0.026	0.281	3.11E-22	-0.002	0.003	0.355	0.025	93.975	TRUE	1.74E-21
FEV1	FIS1	cg17944572	rs77731918	T	C	-0.526	0.057	0.042	1.94E-20	-0.004	0.006	0.452	0.023	85.802	TRUE	8.11E-20
FEV1	FIS1	cg18158419	rs10265206	A	G	0.370	0.056	0.042	5.38E-11	-0.006	0.006	0.333	0.011	43.011	TRUE	1.34E-10
FEV1	FIS1	cg18158419	rs117817520	G	T	0.715	0.127	0.019	1.70E-08	-0.009	0.010	0.381	0.009	31.795	TRUE	3.39E-08
FEV1	FIS1	cg18158419	rs13229117	C	T	0.136	0.025	0.344	4.46E-08	-0.002	0.003	0.465	0.008	29.924	TRUE	7.95E-08
FEV1	FIS1	cg18158419	rs184781527	A	G	1.468	0.110	0.015	2.03E-40	-0.022	0.011	0.055	0.046	177.052	TRUE	2.17E-38
FEV1	FIS1	cg18158419	rs4729678	T	G	0.235	0.024	0.393	1.92E-22	-0.003	0.002	0.175	0.025	94.935	TRUE	1.65E-21
FEV1	FIS1	cg18158419	rs734688	T	C	-0.147	0.024	0.388	6.85E-10	-0.004	0.002	0.124	0.010	38.043	TRUE	2.22E-09
FEV1	FIS1	cg18158419	rs77379913	A	G	-0.695	0.072	0.029	6.27E-22	-0.001	0.007	0.917	0.024	92.591	TRUE	1.61E-21
FEV1	FIS1	cg18158419	rs7777930	T	C	0.428	0.052	0.150	1.75E-16	0.000	0.003	0.994	0.018	67.834	TRUE	3.02E-16
FEV1	FIS1	cg19802458	rs73185938	T	C	0.171	0.029	0.212	4.88E-09	0.006	0.003	0.036	0.009	34.217	TRUE	2.00E-08
FEV1	FIS1	cg19802458	rs77731918	T	C	-0.460	0.057	0.042	6.08E-16	-0.004	0.006	0.452	0.017	65.375	TRUE	1.84E-15
FEV1	FIS1	cg25385322	rs1047319	G	T	-0.192	0.029	0.223	4.10E-11	-0.001	0.003	0.855	0.012	43.542	TRUE	6.25E-11
FEV1	FIS1	cg25385322	rs13226233	C	G	-0.189	0.026	0.297	2.30E-13	-0.001	0.003	0.831	0.014	53.698	TRUE	3.97E-13
FEV1	FIS1	cg25385322	rs6942609	A	G	0.289	0.029	0.213	3.41E-23	0.007	0.003	0.023	0.026	98.354	TRUE	7.29E-22
FEV1	FIS1	cg25385322	rs6979286	G	A	0.547	0.051	0.056	3.38E-27	-0.007	0.005	0.151	0.031	116.611	TRUE	4.78E-26
FEV1	FNIP2	cg00245454	rs17285611	T	C	0.428	0.059	0.070	6.51E-13	-0.003	0.005	0.476	0.014	51.658	TRUE	1.57E-12
FEV1	FNIP2	cg05539369	rs13123982	A	G	0.133	0.024	0.382	2.83E-08	-0.006	0.002	0.011	0.008	30.806	TRUE	1.34E-07
FEV1	FNIP2	cg05615763	rs34033556	C	G	0.293	0.024	0.370	6.63E-34	-0.006	0.002	0.021	0.038	147.254	TRUE	5.22E-32
FEV1	FNIP2	cg13702235	rs2347518	A	G	0.251	0.024	0.429	1.45E-26	-0.004	0.002	0.067	0.030	113.726	TRUE	2.79E-25
FEV1	FNIP2	cg18095824	rs74931360	T	C	-0.713	0.053	0.081	9.81E-41	0.001	0.004	0.914	0.046	178.501	TRUE	1.12E-39
FEV1	FNIP2	cg18095824	rs79579360	A	C	-0.240	0.042	0.078	9.79E-09	0.000	0.004	0.973	0.009	32.865	TRUE	1.23E-08
FEV1	FNIP2	cg25026700	rs12509657	T	C	-0.417	0.054	0.049	1.13E-14	0.008	0.006	0.170	0.016	59.616	TRUE	5.01E-14
FEV1	FOXF1	cg01142386	rs112902103	G	C	0.418	0.052	0.051	6.77E-16	-0.014	0.005	0.006	0.017	65.163	TRUE	9.23E-15
FEV1	FOXF1	cg01168283	rs146886904	T	C	0.638	0.074	0.024	6.17E-18	-0.015	0.008	0.051	0.020	74.425	TRUE	5.70E-17
FEV1	FOXF1	cg01168283	rs7187428	G	T	0.345	0.025	0.280	9.11E-42	-0.002	0.003	0.359	0.047	183.227	TRUE	3.23E-40
FEV1	FOXF1	cg01243371	rs11865162	A	G	0.227	0.036	0.113	4.46E-10	-0.005	0.004	0.134	0.010	38.878	TRUE	1.44E-09
FEV1	FOXF1	cg01243371	rs3829536	C	T	0.147	0.025	0.303	2.98E-09	-0.014	0.003	4.62E-08	0.009	35.177	TRUE	7.52E-08
FEV1	FOXF1	cg01243371	rs7185244	T	C	-0.243	0.028	0.215	4.41E-18	0.002	0.003	0.524	0.020	75.087	TRUE	1.41E-17
FEV1	FOXF1	cg01243371	rs77088019	C	T	0.502	0.053	0.047	3.35E-21	0.001	0.005	0.858	0.024	89.275	TRUE	8.85E-21
FEV1	FOXF1	cg01243371	rs79805292	A	G	0.274	0.044	0.067	4.57E-10	-0.001	0.004	0.839	0.010	38.830	TRUE	6.78E-10
FEV1	FOXF1	cg01695533	rs1364225	C	G	0.181	0.027	0.252	9.81E-12	0.001	0.003	0.783	0.012	46.342	TRUE	1.62E-11
FEV1	FOXF1	cg03366439	rs77626209	C	A	0.225	0.027	0.249	3.33E-17	0.001	0.003	0.807	0.019	71.098	TRUE	7.39E-17
FEV1	FOXF1	cg03492747	rs117056203	G	A	-0.578	0.093	0.014	5.62E-10	0.007	0.009	0.480	0.010	38.427	TRUE	1.11E-09
FEV1	FOXF1	cg03492747	rs117790432	T	C	-0.415	0.049	0.064	4.80E-17	0.010	0.005	0.038	0.019	70.380	TRUE	4.44E-16
FEV1	FOXF1	cg03492747	rs1364225	C	G	-0.716	0.026	0.252	1.40E-169	0.001	0.003	0.783	0.172	770.088	TRUE	3.05E-157
FEV1	FOXF1	cg03492747	rs1424017	T	C	0.131	0.023	0.435	2.17E-08	-0.002	0.002	0.512	0.008	31.320	TRUE	3.83E-08
FEV1	FOXF1	cg03492747	rs39532	G	C	0.203	0.025	0.319	1.08E-15	-0.002	0.003	0.438	0.017	64.243	TRUE	3.33E-15
FEV1	FOXF1	cg03492747	rs7204236	C	T	-0.207	0.024	0.461	1.90E-18	-0.004	0.002	0.074	0.020	76.747	TRUE	1.57E-17
FEV1	FOXF1	cg05555338	rs1424019	A	G	0.313	0.027	0.249	6.06E-32	0.001	0.003	0.807	0.036	138.292	TRUE	3.77E-31
FEV1	FOXF1	cg06602857	rs1169646	T	C	-0.265	0.031	0.172	2.44E-17	-0.004	0.003	0.210	0.019	71.712	TRUE	1.22E-16

FEV1	FOXF1	cg06602857	rs117056203	G	A	0.581	0.093	0.014	4.76E-10	0.007	0.009	0.480	0.010	38.751	TRUE	9.48E-10
FEV1	FOXF1	cg06602857	rs117790432	T	C	0.389	0.049	0.064	3.43E-15	0.010	0.005	0.038	0.016	61.970	TRUE	2.62E-14
FEV1	FOXF1	cg06602857	rs12102689	G	A	-0.146	0.025	0.329	3.44E-09	-0.014	0.003	3.52E-08	0.009	34.896	TRUE	9.01E-08
FEV1	FOXF1	cg06602857	rs12711500	C	G	0.171	0.025	0.309	1.18E-11	-0.003	0.003	0.311	0.012	45.980	TRUE	3.15E-11
FEV1	FOXF1	cg06602857	rs39532	G	C	-0.220	0.025	0.319	4.14E-18	-0.002	0.003	0.438	0.020	75.213	TRUE	1.51E-17
FEV1	FOXF1	cg06602857	rs4843377	A	G	0.162	0.024	0.455	8.43E-12	0.000	0.002	0.867	0.012	46.637	TRUE	1.32E-11
FEV1	FOXF1	cg06602857	rs66463231	T	G	-0.246	0.041	0.190	1.82E-09	-0.008	0.003	0.009	0.010	36.143	TRUE	1.05E-08
FEV1	FOXF1	cg06602857	rs77626209	C	A	0.702	0.026	0.249	1.83E-161	0.001	0.003	0.807	0.165	732.771	TRUE	3.79E-150
FEV1	FOXF1	cg09338251	rs1169645	T	A	0.181	0.031	0.178	4.46E-09	-0.004	0.003	0.162	0.009	34.392	TRUE	1.23E-08
FEV1	FOXK1	cg00064840	rs28658109	C	T	0.184	0.031	0.168	3.64E-09	-0.003	0.003	0.393	0.009	34.788	TRUE	7.45E-09
FEV1	FOXK1	cg00064840	rs6463014	T	C	-0.195	0.028	0.232	3.20E-12	0.004	0.003	0.120	0.013	48.537	TRUE	1.30E-11
FEV1	FOXK1	cg00064840	rs7784748	T	C	-0.532	0.023	0.426	1.67E-120	0.006	0.002	0.020	0.128	544.544	TRUE	8.01E-112
FEV1	FOXK1	cg01509853	rs10262715	A	G	-0.145	0.024	0.413	7.89E-10	0.006	0.002	0.009	0.010	37.766	TRUE	4.66E-09
FEV1	FOXK1	cg01509853	rs17135109	T	C	0.476	0.076	0.025	3.78E-10	-0.003	0.008	0.666	0.010	39.202	TRUE	6.45E-10
FEV1	FOXK1	cg01509853	rs28476654	T	A	0.903	0.094	0.030	7.36E-22	-0.004	0.006	0.555	0.024	92.273	TRUE	2.94E-21
FEV1	FOXK1	cg01509853	rs7788807	C	T	0.408	0.070	0.058	4.44E-09	-0.001	0.005	0.840	0.009	34.403	TRUE	6.26E-09
FEV1	FOXK1	cg03599658	rs150248176	C	G	-0.641	0.077	0.025	9.33E-17	-0.002	0.008	0.805	0.018	69.070	TRUE	1.98E-16
FEV1	FOXK1	cg04261496	rs4540325	T	C	-0.181	0.024	0.383	4.53E-14	-0.001	0.002	0.614	0.015	56.892	TRUE	1.01E-13
FEV1	FOXK1	cg05117982	rs12701865	G	T	0.147	0.025	0.343	3.54E-09	-0.002	0.003	0.529	0.009	34.843	TRUE	6.46E-09
FEV1	FOXK1	cg05117982	rs6973046	G	A	-0.336	0.023	0.487	7.61E-47	-0.005	0.002	0.037	0.053	206.480	TRUE	2.45E-44
FEV1	FOXK1	cg05117982	rs7788807	C	T	0.416	0.070	0.058	2.52E-09	-0.001	0.005	0.840	0.010	35.506	TRUE	3.59E-09
FEV1	FOXK1	cg05764847	rs7793919	T	C	0.355	0.023	0.416	7.99E-54	0.006	0.002	0.011	0.061	238.460	TRUE	1.16E-50
FEV1	FOXK1	cg06287775	rs7781115	A	G	-0.212	0.023	0.424	2.00E-19	0.005	0.002	0.024	0.021	81.199	TRUE	2.77E-18
FEV1	FOXK1	cg06660057	rs111416305	C	T	-0.276	0.042	0.083	4.55E-11	-0.004	0.004	0.382	0.012	43.337	TRUE	1.07E-10
FEV1	FOXK1	cg06660057	rs113297525	C	T	-0.393	0.051	0.066	1.93E-14	-0.007	0.005	0.167	0.016	58.570	TRUE	8.43E-14
FEV1	FOXK1	cg06660057	rs11973119	G	T	-0.555	0.047	0.073	1.32E-32	-0.005	0.005	0.303	0.037	141.323	TRUE	2.04E-31
FEV1	FOXK1	cg06660057	rs300538	G	A	-0.154	0.027	0.265	8.61E-09	-0.001	0.003	0.769	0.009	33.114	TRUE	1.27E-08
FEV1	FOXK1	cg06660057	rs35541996	T	C	-0.498	0.084	0.043	3.23E-09	-0.006	0.006	0.362	0.009	35.019	TRUE	6.87E-09
FEV1	FOXK1	cg06660057	rs4540325	T	C	0.161	0.024	0.383	4.17E-11	-0.001	0.002	0.614	0.012	43.509	TRUE	7.81E-11
FEV1	FOXK1	cg06660057	rs62452116	A	C	-0.344	0.035	0.126	2.27E-23	-0.004	0.003	0.303	0.026	99.159	TRUE	1.54E-22
FEV1	FOXK1	cg06660057	rs79255073	G	A	-0.729	0.116	0.023	3.04E-10	0.005	0.009	0.619	0.011	39.625	TRUE	5.43E-10
FEV1	FOXK1	cg06846441	rs3087749	T	G	-0.300	0.023	0.491	5.49E-38	-0.005	0.002	0.023	0.043	165.924	TRUE	6.94E-36
FEV1	FOXK1	cg07044458	rs4132809	G	A	-0.163	0.024	0.385	1.68E-11	-0.001	0.002	0.741	0.012	45.284	TRUE	2.89E-11
FEV1	FOXK1	cg09281805	rs10228886	G	A	0.212	0.024	0.486	2.47E-19	-0.005	0.002	0.034	0.021	80.781	TRUE	3.17E-18
FEV1	FOXK1	cg09281805	rs10271158	G	A	-0.312	0.027	0.248	8.99E-32	0.000	0.003	0.968	0.036	137.509	TRUE	4.30E-31
FEV1	FOXK1	cg09281805	rs112649083	C	G	-0.608	0.110	0.011	3.55E-08	-0.003	0.011	0.755	0.008	30.364	TRUE	5.12E-08
FEV1	FOXK1	cg09281805	rs12701865	G	T	-1.007	0.018	0.343	<1E-200	-0.002	0.003	0.529	0.455	3086.189	TRUE	<1E-200
FEV1	FOXK1	cg09281805	rs28476654	T	A	-0.680	0.095	0.030	6.85E-13	-0.004	0.006	0.555	0.014	51.559	TRUE	1.51E-12
FEV1	FOXK1	cg09281805	rs4720386	G	T	0.391	0.050	0.115	9.89E-15	0.004	0.003	0.226	0.016	59.886	TRUE	3.85E-14
FEV1	FOXK1	cg09281805	rs62450817	G	A	-0.201	0.024	0.382	1.39E-16	-0.004	0.003	0.158	0.018	68.286	TRUE	7.30E-16
FEV1	FOXK1	cg09281805	rs6463034	C	T	-0.344	0.038	0.132	1.59E-19	0.000	0.004	0.978	0.022	81.645	TRUE	3.32E-19
FEV1	FOXK1	cg09281805	rs74766564	G	A	-0.662	0.098	0.014	1.34E-11	0.007	0.009	0.418	0.012	45.733	TRUE	3.15E-11

FEV1	FOXK1	cg09281805	rs76666907	A	G	-0.927	0.061	0.081	6.38E-53	-0.008	0.004	0.035	0.060	234.325	TRUE	4.64E-50
FEV1	FOXK1	cg09281805	rs7788807	C	T	-0.589	0.069	0.058	2.15E-17	-0.001	0.005	0.840	0.019	71.966	TRUE	4.58E-17
FEV1	FOXK1	cg09395443	rs62452134	A	G	-0.257	0.035	0.127	9.59E-14	-0.004	0.004	0.213	0.015	55.419	TRUE	3.51E-13
FEV1	FOXK1	cg09395443	rs79357656	T	A	0.300	0.054	0.049	3.04E-08	-0.001	0.005	0.815	0.008	30.664	TRUE	4.21E-08
FEV1	FOXK1	cg09789173	rs62450856	A	G	0.272	0.035	0.128	4.73E-15	-0.003	0.004	0.331	0.016	61.337	TRUE	1.59E-14
FEV1	FOXK1	cg09789173	rs6463014	T	C	-0.387	0.028	0.232	5.35E-44	0.004	0.003	0.120	0.050	193.440	TRUE	5.69E-42
FEV1	FOXK1	cg09789173	rs74766197	T	G	-0.331	0.059	0.082	2.03E-08	0.005	0.004	0.277	0.008	31.447	TRUE	4.53E-08
FEV1	FOXK1	cg09789173	rs76666907	A	G	0.559	0.062	0.081	1.81E-19	-0.008	0.004	0.035	0.022	81.394	TRUE	2.23E-18
FEV1	FOXK1	cg09789173	rs7793918	T	G	-0.830	0.020	0.410	<1E-200	0.006	0.002	0.009	0.310	1662.875	TRUE	<1E-200
FEV1	FOXK1	cg10106935	rs113195187	C	T	-0.509	0.048	0.069	1.71E-26	-0.006	0.005	0.241	0.030	113.400	TRUE	1.77E-25
FEV1	FOXK1	cg10106935	rs113297525	C	T	-0.389	0.051	0.066	3.46E-14	-0.007	0.005	0.167	0.015	57.421	TRUE	1.48E-13
FEV1	FOXK1	cg10106935	rs300538	G	A	-0.188	0.027	0.265	1.59E-12	-0.001	0.003	0.769	0.013	49.906	TRUE	2.81E-12
FEV1	FOXK1	cg10106935	rs35541996	T	C	-0.464	0.084	0.043	3.45E-08	-0.006	0.006	0.362	0.008	30.417	TRUE	6.84E-08
FEV1	FOXK1	cg10106935	rs62452060	A	G	-0.292	0.034	0.129	2.01E-17	-0.003	0.003	0.335	0.019	72.093	TRUE	8.04E-17
FEV1	FOXK1	cg10106935	rs62453200	G	C	0.145	0.024	0.391	2.01E-09	-0.002	0.002	0.533	0.010	35.941	TRUE	3.70E-09
FEV1	FOXK1	cg10106935	rs79255073	G	A	-0.681	0.116	0.023	4.17E-09	0.005	0.009	0.619	0.009	34.525	TRUE	6.99E-09
FEV1	FOXK1	cg10118545	rs7784748	T	C	-0.441	0.023	0.426	3.84E-81	0.006	0.002	0.020	0.090	363.778	TRUE	3.92E-76
FEV1	FOXK1	cg10888348	rs113195187	C	T	-0.329	0.048	0.069	8.39E-12	-0.006	0.005	0.241	0.012	46.647	TRUE	2.55E-11
FEV1	FOXK1	cg10888348	rs62452140	T	G	-0.335	0.052	0.049	1.08E-10	0.001	0.005	0.790	0.011	41.648	TRUE	1.71E-10
FEV1	FOXK1	cg10888348	rs76666907	A	G	0.372	0.062	0.081	2.46E-09	-0.008	0.004	0.035	0.010	35.553	TRUE	1.04E-08
FEV1	FOXK1	cg10888348	rs7786525	A	C	-0.687	0.030	0.178	5.03E-118	0.006	0.003	0.067	0.126	533.156	TRUE	5.04E-110
FEV1	FOXK1	cg13287553	rs7784748	T	C	-0.472	0.023	0.426	5.93E-94	0.006	0.002	0.020	0.103	422.593	TRUE	7.42E-88
FEV1	FOXK1	cg13312702	rs149855606	A	G	-0.670	0.075	0.024	3.68E-19	-0.003	0.007	0.651	0.021	79.992	TRUE	1.08E-18
FEV1	FOXK1	cg14582057	rs12701865	G	T	0.168	0.025	0.343	1.52E-11	-0.002	0.003	0.529	0.012	45.482	TRUE	3.20E-11
FEV1	FOXK1	cg14582057	rs6973046	G	A	-0.302	0.023	0.487	4.49E-38	-0.005	0.002	0.037	0.043	166.327	TRUE	4.64E-36
FEV1	FOXK1	cg15176413	rs12701865	G	T	0.229	0.025	0.343	2.73E-20	-0.002	0.003	0.529	0.022	85.130	TRUE	1.02E-19
FEV1	FOXK1	cg15176413	rs6973046	G	A	-0.441	0.023	0.487	5.88E-81	-0.005	0.002	0.037	0.089	362.930	TRUE	4.36E-76
FEV1	FOXK1	cg15176413	rs7788807	C	T	0.425	0.070	0.058	1.16E-09	-0.001	0.005	0.840	0.010	37.009	TRUE	1.69E-09
FEV1	FOXK1	cg18733230	rs7786525	A	C	-0.308	0.031	0.178	5.74E-24	0.006	0.003	0.067	0.027	101.878	TRUE	8.85E-23
FEV1	FOXK1	cg19336198	rs62452150	T	C	-0.264	0.038	0.105	3.61E-12	-0.003	0.004	0.439	0.013	48.301	TRUE	8.70E-12
FEV1	FOXK1	cg20349812	rs12701865	G	T	0.186	0.025	0.343	6.77E-14	-0.002	0.003	0.529	0.015	56.105	TRUE	1.64E-13
FEV1	FOXK1	cg20349812	rs6973046	G	A	-0.406	0.023	0.487	2.04E-68	-0.005	0.002	0.037	0.076	305.380	TRUE	1.68E-64
FEV1	FOXK1	cg20349812	rs7788807	C	T	0.462	0.070	0.058	3.48E-11	-0.001	0.005	0.840	0.012	43.865	TRUE	5.39E-11
FEV1	FOXK1	cg22753962	rs111416305	C	T	-0.246	0.042	0.083	4.72E-09	-0.004	0.004	0.382	0.009	34.284	TRUE	9.70E-09
FEV1	FOXK1	cg22753962	rs113297525	C	T	-0.348	0.051	0.066	1.35E-11	-0.007	0.005	0.167	0.012	45.719	TRUE	4.63E-11
FEV1	FOXK1	cg22753962	rs11973119	G	T	-0.513	0.047	0.073	5.44E-28	-0.005	0.005	0.303	0.031	120.236	TRUE	5.46E-27
FEV1	FOXK1	cg22753962	rs13232425	T	C	-0.129	0.024	0.486	4.31E-08	-0.005	0.002	0.029	0.008	29.988	TRUE	1.69E-07
FEV1	FOXK1	cg22753962	rs300538	G	A	-0.188	0.027	0.265	2.02E-12	-0.001	0.003	0.769	0.013	49.439	TRUE	3.54E-12
FEV1	FOXK1	cg22753962	rs35541996	T	C	-0.629	0.084	0.043	6.01E-14	-0.006	0.006	0.362	0.015	56.337	TRUE	1.77E-13
FEV1	FOXK1	cg22753962	rs59864860	A	T	-0.347	0.034	0.135	3.47E-24	-0.004	0.003	0.310	0.027	102.878	TRUE	2.52E-23
FEV1	FOXK1	cg23318967	rs6968957	G	A	-0.230	0.024	0.387	4.44E-22	-0.001	0.002	0.542	0.025	93.275	TRUE	1.79E-21
FEV1	FOXK1	cg23871697	rs12701943	C	T	0.252	0.040	0.096	4.86E-10	-0.001	0.004	0.785	0.010	38.711	TRUE	7.46E-10

FEV1	FOXK1	cg23871697	rs3763381	T	C	0.159	0.023	0.495	1.22E-11	0.002	0.002	0.386	0.012	45.908	TRUE	3.00E-11
FEV1	FOXK1	cg26800803	rs12701865	G	T	0.193	0.025	0.343	6.31E-15	-0.002	0.003	0.529	0.016	60.770	TRUE	1.64E-14
FEV1	FOXK1	cg26800803	rs6973046	G	A	-0.379	0.023	0.487	1.31E-59	-0.005	0.002	0.037	0.067	264.990	TRUE	2.64E-56
FEV1	FOXK2	cg01122847	rs147721183	T	C	-1.071	0.120	0.016	5.27E-19	0.004	0.011	0.755	0.021	79.283	TRUE	1.36E-18
FEV1	FOXK2	cg01122847	rs149143300	T	C	-0.819	0.089	0.017	2.24E-20	0.000	0.010	0.979	0.023	85.523	TRUE	4.90E-20
FEV1	FOXK2	cg01122847	rs62079679	T	C	-0.550	0.058	0.045	5.50E-21	0.011	0.006	0.054	0.023	88.298	TRUE	6.80E-20
FEV1	FOXK2	cg01483119	rs11869798	C	A	0.169	0.026	0.281	1.64E-10	0.001	0.003	0.838	0.011	40.829	TRUE	2.46E-10
FEV1	FOXK2	cg01483119	rs147721183	T	C	-0.869	0.122	0.016	9.36E-13	0.004	0.011	0.755	0.014	50.947	TRUE	1.69E-12
FEV1	FOXK2	cg01483119	rs149143300	T	C	-0.783	0.089	0.017	1.51E-18	0.000	0.010	0.979	0.020	77.199	TRUE	2.99E-18
FEV1	FOXK2	cg01483119	rs3752822	G	C	-0.285	0.030	0.178	8.25E-21	-0.005	0.003	0.169	0.023	87.495	TRUE	6.08E-20
FEV1	FOXK2	cg01483119	rs3794713	C	T	0.282	0.031	0.165	8.72E-20	0.007	0.003	0.023	0.022	82.834	TRUE	1.23E-18
FEV1	FOXK2	cg01483119	rs75794119	A	G	-0.482	0.058	0.044	5.86E-17	0.004	0.006	0.464	0.019	69.987	TRUE	1.85E-16
FEV1	FOXK2	cg01483119	rs77037677	A	G	-0.670	0.050	0.055	4.19E-41	-0.003	0.005	0.533	0.046	180.193	TRUE	9.57E-40
FEV1	FOXK2	cg01483119	rs78077159	G	C	-0.339	0.052	0.052	6.23E-11	0.009	0.006	0.085	0.011	42.723	TRUE	2.46E-10
FEV1	FOXK2	cg02094337	rs12452440	T	C	0.174	0.024	0.430	1.45E-13	0.001	0.002	0.691	0.015	54.603	TRUE	2.87E-13
FEV1	FOXK2	cg02094337	rs4789705	C	G	0.209	0.036	0.127	3.91E-09	0.001	0.004	0.897	0.009	34.649	TRUE	5.35E-09
FEV1	FOXK2	cg02116768	rs72852022	T	C	-0.207	0.030	0.203	2.65E-12	-0.002	0.003	0.589	0.013	48.908	TRUE	5.49E-12
FEV1	FOXK2	cg02796939	rs753569	T	G	-0.351	0.029	0.210	1.59E-33	0.000	0.003	0.917	0.038	145.514	TRUE	9.50E-33
FEV1	FOXK2	cg02796939	rs78165269	C	G	0.215	0.025	0.304	2.15E-17	-0.002	0.003	0.397	0.019	71.965	TRUE	7.96E-17
FEV1	FOXK2	cg03238119	rs4789817	G	A	0.151	0.025	0.355	6.63E-10	0.002	0.003	0.365	0.010	38.107	TRUE	1.46E-09
FEV1	FOXK2	cg03238119	rs79150306	T	A	-0.275	0.050	0.055	4.40E-08	-0.004	0.005	0.424	0.008	29.950	TRUE	8.17E-08
FEV1	FOXK2	cg04381393	rs113425960	T	G	-2.006	0.162	0.013	3.69E-35	-0.004	0.010	0.682	0.040	152.993	TRUE	3.59E-34
FEV1	FOXK2	cg04381393	rs117895336	A	G	-0.386	0.061	0.042	3.31E-10	0.011	0.006	0.076	0.011	39.460	TRUE	1.28E-09
FEV1	FOXK2	cg04800768	rs1387545	T	C	-0.322	0.032	0.389	3.20E-23	0.004	0.002	0.142	0.026	98.479	TRUE	3.20E-22
FEV1	FOXK2	cg04800768	rs17885612	G	C	-0.142	0.025	0.289	2.45E-08	0.005	0.003	0.046	0.008	31.086	TRUE	8.79E-08
FEV1	FOXK2	cg04800768	rs78106158	G	C	-0.374	0.051	0.063	1.45E-13	0.009	0.004	0.047	0.015	54.602	TRUE	9.00E-13
FEV1	FOXK2	cg05331763	rs11652501	G	C	0.479	0.024	0.362	1.52E-91	-0.001	0.002	0.730	0.100	411.535	TRUE	2.87E-87
FEV1	FOXK2	cg05331763	rs117542937	T	C	-0.476	0.074	0.024	1.01E-10	0.014	0.007	0.040	0.011	41.782	TRUE	4.75E-10
FEV1	FOXK2	cg05331763	rs144288267	C	T	-0.364	0.053	0.046	5.04E-12	-0.001	0.005	0.805	0.013	47.647	TRUE	8.35E-12
FEV1	FOXK2	cg05331763	rs4789817	G	A	-0.191	0.024	0.355	5.97E-15	0.002	0.003	0.365	0.016	60.880	TRUE	1.85E-14
FEV1	FOXK2	cg05331763	rs73371707	A	G	0.404	0.072	0.061	1.70E-08	0.016	0.005	5.96E-04	0.009	31.797	TRUE	1.31E-07
FEV1	FOXK2	cg05331763	rs9905533	T	C	-1.113	0.036	0.108	1.23E-215	0.008	0.004	0.047	0.210	981.827	TRUE	1.28E-194
FEV1	FOXK2	cg05331763	rs9911222	T	C	-1.115	0.025	0.173	<1E-200	0.004	0.003	0.227	0.353	2017.296	TRUE	<1E-200
FEV1	FOXK2	cg05578865	rs116857425	T	C	0.481	0.081	0.020	2.48E-09	0.002	0.009	0.859	0.010	35.537	TRUE	3.50E-09
FEV1	FOXK2	cg05578865	rs117252262	T	C	-0.546	0.087	0.020	3.20E-10	0.012	0.008	0.141	0.011	39.528	TRUE	1.02E-09
FEV1	FOXK2	cg05578865	rs12150524	A	G	-0.331	0.051	0.054	5.86E-11	-0.003	0.005	0.573	0.011	42.845	TRUE	1.14E-10
FEV1	FOXK2	cg05578865	rs12936476	T	C	-0.178	0.024	0.476	5.67E-14	-0.001	0.002	0.741	0.015	56.451	TRUE	1.12E-13
FEV1	FOXK2	cg05578865	rs12948621	C	A	-0.238	0.024	0.379	5.16E-23	-0.001	0.003	0.556	0.026	97.533	TRUE	2.18E-22
FEV1	FOXK2	cg05578865	rs148600435	A	G	-0.548	0.091	0.017	1.48E-09	-0.003	0.007	0.670	0.010	36.544	TRUE	2.43E-09
FEV1	FOXK2	cg05578865	rs34509144	A	T	-0.372	0.060	0.045	5.93E-10	0.007	0.006	0.259	0.010	38.323	TRUE	1.53E-09
FEV1	FOXK2	cg05578865	rs3794713	C	T	-0.665	0.030	0.165	7.11E-108	0.007	0.003	0.023	0.116	486.529	TRUE	1.55E-100
FEV1	FOXK2	cg05578865	rs60966564	A	G	0.521	0.029	0.212	1.02E-73	-0.002	0.003	0.491	0.082	329.710	TRUE	1.82E-70

FEV1	FOXK2	cg05578865	rs73357180	C	T	0.382	0.034	0.134	1.22E-28	-0.003	0.004	0.451	0.032	123.199	TRUE	9.71E-28
FEV1	FOXK2	cg05578865	rs74001784	T	C	0.289	0.053	0.050	3.84E-08	-0.005	0.006	0.424	0.008	30.211	TRUE	7.14E-08
FEV1	FOXK2	cg05578865	rs77256703	G	A	-0.777	0.020	0.441	<1E-200	0.003	0.002	0.298	0.285	1474.022	TRUE	6.29E-283
FEV1	FOXK2	cg05578865	rs79233685	T	G	0.207	0.036	0.115	8.04E-09	-0.005	0.004	0.168	0.009	33.248	TRUE	2.16E-08
FEV1	FOXK2	cg05578865	rs8067360	C	T	0.203	0.024	0.455	1.01E-17	0.001	0.002	0.769	0.019	73.446	TRUE	2.38E-17
FEV1	FOXK2	cg05578865	rs8069795	C	A	-0.150	0.027	0.261	1.98E-08	0.010	0.003	3.97E-04	0.008	31.497	TRUE	1.63E-07
FEV1	FOXK2	cg05578865	rs9891087	A	G	0.429	0.049	0.061	2.78E-18	-0.004	0.005	0.503	0.020	76.001	TRUE	9.21E-18
FEV1	FOXK2	cg05580415	rs11654159	T	C	-0.209	0.032	0.162	6.30E-11	0.002	0.003	0.562	0.011	42.702	TRUE	1.21E-10
FEV1	FOXK2	cg05580415	rs117039631	T	C	-0.544	0.086	0.019	2.65E-10	0.009	0.008	0.287	0.011	39.894	TRUE	6.68E-10
FEV1	FOXK2	cg05580415	rs117477450	G	C	-0.431	0.079	0.025	4.60E-08	0.006	0.008	0.445	0.008	29.862	TRUE	8.39E-08
FEV1	FOXK2	cg05580415	rs12150313	G	T	-0.288	0.050	0.055	1.10E-08	-0.003	0.005	0.582	0.009	32.633	TRUE	1.86E-08
FEV1	FOXK2	cg05580415	rs12948621	C	A	-0.299	0.024	0.379	7.10E-36	-0.001	0.003	0.556	0.041	156.266	TRUE	8.83E-35
FEV1	FOXK2	cg05580415	rs148600435	A	G	-0.520	0.091	0.017	9.68E-09	-0.003	0.007	0.670	0.009	32.887	TRUE	1.53E-08
FEV1	FOXK2	cg05580415	rs2279393	G	A	0.406	0.033	0.155	1.30E-35	-0.002	0.003	0.465	0.040	155.057	TRUE	1.93E-34
FEV1	FOXK2	cg05580415	rs2635417	A	C	-0.205	0.023	0.498	2.20E-18	0.001	0.002	0.747	0.020	76.460	TRUE	5.63E-18
FEV1	FOXK2	cg05580415	rs376385266	A	G	-0.190	0.027	0.243	2.79E-12	0.008	0.003	0.003	0.013	48.803	TRUE	2.92E-11
FEV1	FOXK2	cg05580415	rs3794713	C	T	-0.641	0.030	0.165	5.73E-100	0.007	0.003	0.023	0.109	450.214	TRUE	2.22E-93
FEV1	FOXK2	cg05580415	rs60966564	A	G	0.275	0.029	0.212	4.61E-21	-0.002	0.003	0.491	0.023	88.646	TRUE	1.92E-20
FEV1	FOXK2	cg05580415	rs62079682	A	G	-0.330	0.060	0.045	3.64E-08	0.007	0.006	0.259	0.008	30.316	TRUE	8.17E-08
FEV1	FOXK2	cg05580415	rs7217917	T	C	-0.142	0.024	0.472	2.09E-09	-0.001	0.002	0.593	0.010	35.867	TRUE	3.70E-09
FEV1	FOXK2	cg05580415	rs7406537	A	G	0.170	0.024	0.440	4.56E-13	-0.005	0.002	0.033	0.014	52.356	TRUE	3.01E-12
FEV1	FOXK2	cg05580415	rs77256703	G	A	-0.762	0.020	0.441	<1E-200	0.003	0.002	0.298	0.278	1427.753	TRUE	5.57E-275
FEV1	FOXK2	cg05580415	rs79989195	T	C	0.430	0.057	0.036	7.32E-14	-0.003	0.006	0.657	0.015	55.949	TRUE	1.55E-13
FEV1	FOXK2	cg05580415	rs9891087	A	G	0.337	0.049	0.061	7.85E-12	-0.004	0.005	0.503	0.012	46.778	TRUE	1.71E-11
FEV1	FOXK2	cg05580415	rs9916861	T	C	0.166	0.030	0.208	2.06E-08	-0.003	0.003	0.294	0.008	31.418	TRUE	4.54E-08
FEV1	FOXK2	cg07539709	rs72852022	T	C	-0.293	0.029	0.203	2.27E-23	-0.002	0.003	0.589	0.026	99.162	TRUE	9.76E-23
FEV1	FOXK2	cg07539709	rs78165269	C	G	0.189	0.025	0.304	6.74E-14	-0.002	0.003	0.397	0.015	56.113	TRUE	1.94E-13
FEV1	FOXK2	cg08848988	rs3794713	C	T	-0.399	0.031	0.165	1.47E-38	0.007	0.003	0.023	0.044	168.542	TRUE	1.82E-36
FEV1	FOXK2	cg10255544	rs3829565	G	C	-0.674	0.038	0.101	4.97E-69	0.002	0.004	0.645	0.077	308.195	TRUE	2.92E-66
FEV1	FOXK2	cg10255544	rs6502119	C	T	0.252	0.024	0.367	1.45E-25	0.000	0.002	0.890	0.029	109.171	TRUE	4.81E-25
FEV1	FOXK2	cg10460657	rs8074559	G	A	0.296	0.048	0.150	9.51E-10	0.002	0.004	0.523	0.010	37.402	TRUE	1.78E-09
FEV1	FOXK2	cg10460657	rs9788998	G	A	0.266	0.023	0.463	7.54E-30	0.002	0.002	0.336	0.034	128.719	TRUE	8.41E-29
FEV1	FOXK2	cg11779900	rs118072068	T	A	-0.548	0.087	0.022	3.03E-10	0.017	0.008	0.031	0.011	39.635	TRUE	1.47E-09
FEV1	FOXK2	cg11779900	rs146599866	T	C	-0.930	0.024	0.242	<1E-200	-0.002	0.003	0.576	0.286	1484.276	TRUE	2.06E-285
FEV1	FOXK2	cg11779900	rs62078078	T	C	0.309	0.028	0.228	2.99E-29	-0.001	0.003	0.766	0.033	125.988	TRUE	1.58E-28
FEV1	FOXK2	cg11779900	rs79589817	T	C	-0.210	0.038	0.134	2.48E-08	-0.004	0.004	0.229	0.008	31.058	TRUE	5.81E-08
FEV1	FOXK2	cg11779900	rs9911222	T	C	0.219	0.031	0.173	1.60E-12	0.004	0.003	0.227	0.013	49.893	TRUE	5.31E-12
FEV1	FOXK2	cg11779900	rs9916019	C	A	0.305	0.038	0.107	8.33E-16	0.008	0.004	0.046	0.017	64.755	TRUE	6.47E-15
FEV1	FOXK2	cg14173033	rs140709442	A	G	-0.644	0.114	0.013	1.46E-08	0.006	0.009	0.493	0.009	32.084	TRUE	2.63E-08
FEV1	FOXK2	cg14173033	rs72852022	T	C	-0.256	0.030	0.203	4.39E-18	-0.002	0.003	0.589	0.020	75.096	TRUE	1.31E-17
FEV1	FOXK2	cg14173033	rs78165269	C	G	0.156	0.025	0.304	7.22E-10	-0.002	0.003	0.397	0.010	37.940	TRUE	1.58E-09
FEV1	FOXK2	cg14587273	rs1007494	A	G	-0.145	0.025	0.323	3.84E-09	0.004	0.003	0.079	0.009	34.684	TRUE	1.32E-08

FEV1	FOXK2	cg14587273	rs11656597	A	G	-0.182	0.028	0.221	1.24E-10	0.001	0.003	0.693	0.011	41.372	TRUE	2.12E-10
FEV1	FOXK2	cg14587273	rs28708773	T	G	-1.583	0.065	0.034	8.30E-130	0.014	0.007	0.036	0.137	587.291	TRUE	2.60E-120
FEV1	FOXK2	cg14587273	rs56080345	T	A	-0.270	0.028	0.241	1.29E-22	0.001	0.003	0.744	0.025	95.711	TRUE	4.26E-22
FEV1	FOXK2	cg14587273	rs71376548	T	C	-0.454	0.053	0.051	8.41E-18	0.000	0.005	0.990	0.020	73.815	TRUE	1.58E-17
FEV1	FOXK2	cg14674306	rs12950772	G	A	0.319	0.026	0.269	2.92E-34	-0.001	0.003	0.615	0.039	148.883	TRUE	2.86E-33
FEV1	FOXK2	cg14674306	rs201699120	A	T	-0.187	0.030	0.204	3.47E-10	-0.002	0.003	0.480	0.011	39.369	TRUE	6.92E-10
FEV1	FOXK2	cg15292356	rs111946258	G	A	0.269	0.030	0.196	1.09E-19	-0.003	0.003	0.294	0.022	82.402	TRUE	5.63E-19
FEV1	FOXK2	cg15292356	rs11651812	A	G	-0.675	0.023	0.338	1.93E-181	-0.003	0.003	0.183	0.182	824.607	TRUE	2.56E-166
FEV1	FOXK2	cg15292356	rs117959151	G	A	-0.878	0.129	0.018	1.17E-11	-0.003	0.008	0.692	0.012	45.997	TRUE	2.11E-11
FEV1	FOXK2	cg15292356	rs118100209	A	G	-0.414	0.061	0.044	1.46E-11	-0.010	0.006	0.090	0.012	45.559	TRUE	6.08E-11
FEV1	FOXK2	cg15292356	rs2279394	A	G	-0.276	0.026	0.275	1.61E-26	0.003	0.003	0.310	0.030	113.515	TRUE	1.39E-25
FEV1	FOXK2	cg15292356	rs3752822	G	C	0.297	0.030	0.178	1.34E-22	-0.005	0.003	0.169	0.025	95.641	TRUE	1.16E-21
FEV1	FOXK2	cg15292356	rs62079722	A	C	-0.209	0.030	0.188	7.28E-12	0.002	0.003	0.599	0.013	46.925	TRUE	1.45E-11
FEV1	FOXK2	cg15292356	rs630945	G	A	0.219	0.024	0.449	4.03E-20	0.003	0.002	0.249	0.022	84.360	TRUE	2.27E-19
FEV1	FOXK2	cg15292356	rs79989195	T	C	-0.355	0.058	0.036	7.08E-10	-0.003	0.006	0.657	0.010	37.979	TRUE	1.20E-09
FEV1	FOXK2	cg15292356	rs8082615	G	C	0.239	0.029	0.192	4.43E-16	0.005	0.003	0.102	0.018	66.001	TRUE	2.64E-15
FEV1	FOXK2	cg15292356	rs9890099	T	G	-0.185	0.028	0.235	6.92E-11	-0.003	0.003	0.227	0.011	42.517	TRUE	2.00E-10
FEV1	FOXK2	cg15349696	rs72852022	T	C	-0.291	0.029	0.203	5.09E-23	-0.002	0.003	0.589	0.026	97.558	TRUE	2.14E-22
FEV1	FOXK2	cg15349696	rs78165269	C	G	0.175	0.025	0.304	5.37E-12	-0.002	0.003	0.397	0.013	47.520	TRUE	1.36E-11
FEV1	FOXK2	cg16375265	rs11650031	T	C	-0.199	0.036	0.109	2.94E-08	0.007	0.004	0.039	0.008	30.728	TRUE	1.08E-07
FEV1	FOXK2	cg16375265	rs117252262	T	C	-0.545	0.087	0.020	3.36E-10	0.012	0.008	0.141	0.011	39.432	TRUE	1.07E-09
FEV1	FOXK2	cg16375265	rs12936476	T	C	-0.143	0.024	0.476	1.45E-09	-0.001	0.002	0.741	0.010	36.580	TRUE	2.28E-09
FEV1	FOXK2	cg16375265	rs12948621	C	A	-0.223	0.024	0.379	1.73E-20	-0.001	0.003	0.556	0.023	86.027	TRUE	6.12E-20
FEV1	FOXK2	cg16375265	rs2279393	G	A	0.240	0.033	0.155	2.50E-13	-0.002	0.003	0.465	0.014	53.534	TRUE	6.24E-13
FEV1	FOXK2	cg16375265	rs2635417	A	C	-0.176	0.023	0.498	6.52E-14	0.001	0.002	0.747	0.015	56.177	TRUE	1.28E-13
FEV1	FOXK2	cg16375265	rs3794713	C	T	-0.606	0.030	0.165	4.92E-89	0.007	0.003	0.023	0.098	400.006	TRUE	2.03E-83
FEV1	FOXK2	cg16375265	rs60966564	A	G	0.305	0.029	0.212	1.25E-25	-0.002	0.003	0.491	0.029	109.460	TRUE	7.41E-25
FEV1	FOXK2	cg16375265	rs72851958	C	A	-0.154	0.027	0.242	1.45E-08	0.008	0.003	0.006	0.009	32.102	TRUE	8.25E-08
FEV1	FOXK2	cg16375265	rs77256703	G	A	-0.556	0.023	0.441	1.66E-133	0.003	0.002	0.298	0.140	604.292	TRUE	1.24E-124
FEV1	FOXK2	cg16375265	rs9891087	A	G	0.286	0.049	0.061	6.36E-09	-0.004	0.005	0.503	0.009	33.704	TRUE	1.16E-08
FEV1	FOXK2	cg16755922	rs80014614	A	G	0.449	0.050	0.060	2.49E-19	0.003	0.005	0.582	0.021	80.761	TRUE	8.02E-19
FEV1	FOXK2	cg16755922	rs878823	T	C	0.512	0.028	0.211	5.72E-73	0.005	0.003	0.074	0.081	326.268	TRUE	5.78E-69
FEV1	FOXK2	cg16755922	rs9911520	T	C	0.393	0.071	0.063	3.62E-08	0.003	0.005	0.502	0.008	30.326	TRUE	6.36E-08
FEV1	FOXK2	cg18128058	rs142226247	A	G	0.369	0.057	0.046	1.23E-10	-0.009	0.006	0.108	0.011	41.391	TRUE	4.45E-10
FEV1	FOXK2	cg18128058	rs4789807	T	C	-0.322	0.030	0.200	2.00E-27	-0.002	0.003	0.480	0.031	117.657	TRUE	1.36E-26
FEV1	FOXK2	cg18128058	rs78165269	C	G	0.216	0.025	0.304	1.79E-17	-0.002	0.003	0.397	0.019	72.322	TRUE	6.68E-17
FEV1	FOXK2	cg20173014	rs12452440	T	C	0.261	0.023	0.430	8.92E-29	0.001	0.002	0.691	0.032	123.820	TRUE	4.87E-28
FEV1	FOXK2	cg20710824	rs11869798	C	A	-0.215	0.026	0.281	1.23E-16	0.001	0.003	0.838	0.018	68.522	TRUE	2.50E-16
FEV1	FOXK2	cg20710824	rs180743348	T	C	-0.167	0.029	0.182	1.45E-08	-0.002	0.003	0.466	0.009	32.101	TRUE	2.69E-08
FEV1	FOXK2	cg20710824	rs8074559	G	A	0.297	0.048	0.150	8.48E-10	0.002	0.004	0.523	0.010	37.626	TRUE	1.59E-09
FEV1	FOXK2	cg20710824	rs9788998	G	A	0.290	0.023	0.463	2.69E-36	0.002	0.002	0.336	0.041	158.193	TRUE	5.60E-35
FEV1	FOXK2	cg21093005	rs113987209	T	C	0.339	0.038	0.286	2.32E-19	-0.006	0.003	0.020	0.021	80.898	TRUE	3.30E-18

FEV1	FOXK2	cg21093005	rs4789803	T	C	-0.284	0.046	0.181	5.78E-10	0.006	0.003	0.048	0.010	38.373	TRUE	2.47E-09
FEV1	FOXK2	cg21093005	rs56075787	T	C	-0.172	0.028	0.235	7.48E-10	-0.001	0.003	0.700	0.010	37.872	TRUE	1.22E-09
FEV1	FOXK2	cg21909206	rs3794713	C	T	-0.198	0.030	0.165	8.59E-11	0.007	0.003	0.023	0.011	42.095	TRUE	4.60E-10
FEV1	FOXK2	cg22582875	rs8076310	T	C	-0.267	0.029	0.209	3.12E-20	0.000	0.003	0.957	0.022	84.866	TRUE	7.03E-20
FEV1	FOXK2	cg23628350	rs118027829	T	C	0.481	0.066	0.037	2.14E-13	0.003	0.007	0.656	0.014	53.847	TRUE	4.37E-13
FEV1	FOXK2	cg23628350	rs144288267	C	T	-0.341	0.053	0.046	9.81E-11	-0.001	0.005	0.805	0.011	41.837	TRUE	1.53E-10
FEV1	FOXK2	cg23628350	rs2085615	C	G	0.199	0.025	0.363	6.32E-16	0.004	0.002	0.142	0.017	65.299	TRUE	3.39E-15
FEV1	FOXK2	cg23628350	rs2246563	T	C	0.164	0.024	0.412	6.53E-12	0.003	0.002	0.241	0.013	47.137	TRUE	1.98E-11
FEV1	FOXK2	cg23628350	rs60966564	A	G	0.975	0.025	0.212	<1E-200	-0.002	0.003	0.491	0.289	1500.648	TRUE	5.40E-288
FEV1	FOXK2	cg23628350	rs62079673	T	C	0.556	0.023	0.417	9.03E-128	0.003	0.002	0.254	0.135	577.933	TRUE	1.97E-119
FEV1	FOXK2	cg23628350	rs66693031	A	G	0.546	0.055	0.049	1.40E-23	0.001	0.006	0.901	0.026	100.120	TRUE	4.05E-23
FEV1	FOXK2	cg23628350	rs744991	G	C	-0.350	0.025	0.289	6.32E-43	0.003	0.003	0.257	0.048	188.533	TRUE	3.27E-41
FEV1	FOXK2	cg23628350	rs74705920	A	G	0.527	0.053	0.050	2.51E-23	0.001	0.005	0.793	0.026	98.956	TRUE	8.18E-23
FEV1	FOXK2	cg23628350	rs77256703	G	A	-0.259	0.023	0.441	1.90E-28	0.003	0.002	0.298	0.032	122.325	TRUE	2.03E-27
FEV1	FOXK2	cg23628350	rs9303032	G	A	0.137	0.024	0.440	6.93E-09	-0.001	0.002	0.698	0.009	33.537	TRUE	1.07E-08
FEV1	FOXK2	cg23628350	rs9893830	T	A	0.487	0.044	0.215	4.61E-29	0.001	0.003	0.807	0.033	125.127	TRUE	2.24E-28
FEV1	FOXK2	cg23674202	rs113987209	T	C	0.318	0.038	0.286	3.11E-17	-0.006	0.003	0.020	0.019	71.235	TRUE	3.50E-16
FEV1	FOXK2	cg23674202	rs118072068	T	A	0.479	0.087	0.022	3.67E-08	0.017	0.008	0.031	0.008	30.299	TRUE	1.41E-07
FEV1	FOXK2	cg23674202	rs142507840	G	C	0.401	0.048	0.062	1.22E-16	0.008	0.005	0.126	0.018	68.540	TRUE	7.14E-16
FEV1	FOXK2	cg23674202	rs35083592	A	G	0.157	0.026	0.279	2.33E-09	0.000	0.003	0.948	0.010	35.661	TRUE	3.09E-09
FEV1	FOXK2	cg23674202	rs4789803	T	C	-0.421	0.045	0.181	2.24E-20	0.006	0.003	0.048	0.023	85.519	TRUE	2.77E-19
FEV1	FOXK2	cg23674202	rs8067257	A	G	-0.192	0.030	0.205	8.03E-11	0.002	0.003	0.489	0.011	42.228	TRUE	1.68E-10
FEV1	FOXK2	cg23765707	rs12600791	G	T	-0.315	0.051	0.055	4.56E-10	-0.002	0.005	0.623	0.010	38.835	TRUE	8.01E-10
FEV1	FOXK2	cg23765707	rs144288267	C	T	-0.303	0.053	0.046	9.25E-09	-0.001	0.005	0.805	0.009	32.974	TRUE	1.32E-08
FEV1	FOXK2	cg23765707	rs149143300	T	C	-0.509	0.089	0.017	1.14E-08	0.000	0.010	0.979	0.009	32.576	TRUE	1.43E-08
FEV1	FOXK2	cg23765707	rs7220002	C	A	0.347	0.032	0.166	3.16E-28	-0.004	0.003	0.179	0.032	121.312	TRUE	4.49E-27
FEV1	FOXK2	cg24220178	rs113987209	T	C	0.484	0.037	0.286	8.75E-39	-0.006	0.003	0.020	0.044	169.576	TRUE	1.19E-36
FEV1	FOXK2	cg24220178	rs4789803	T	C	-0.461	0.045	0.181	3.01E-24	0.006	0.003	0.048	0.027	103.157	TRUE	5.57E-23
FEV1	FOXK2	cg24220178	rs56075787	T	C	-0.181	0.028	0.235	9.00E-11	-0.001	0.003	0.700	0.011	42.005	TRUE	1.53E-10
FEV1	FOXK2	cg24537348	rs9271	A	G	-0.268	0.029	0.209	3.00E-20	0.000	0.003	0.928	0.022	84.946	TRUE	6.97E-20
FEV1	FOXK2	cg24770256	rs3736207	C	T	-0.244	0.039	0.102	3.94E-10	0.002	0.004	0.668	0.010	39.123	TRUE	6.72E-10
FEV1	FOXK2	cg24793584	rs78165269	C	G	-0.153	0.025	0.304	8.92E-10	-0.002	0.003	0.397	0.010	37.528	TRUE	1.94E-09
FEV1	FOXK2	cg25009498	rs118027829	T	C	0.519	0.066	0.037	2.37E-15	0.003	0.007	0.656	0.017	62.697	TRUE	5.43E-15
FEV1	FOXK2	cg25009498	rs144288267	C	T	-0.359	0.053	0.046	1.02E-11	-0.001	0.005	0.805	0.012	46.263	TRUE	1.67E-11
FEV1	FOXK2	cg25009498	rs1870370	G	C	0.218	0.033	0.163	3.50E-11	0.001	0.003	0.792	0.012	43.849	TRUE	5.69E-11
FEV1	FOXK2	cg25009498	rs2451198	G	A	0.302	0.028	0.244	9.86E-28	0.002	0.003	0.475	0.031	119.055	TRUE	7.06E-27
FEV1	FOXK2	cg25009498	rs60966564	A	G	1.001	0.025	0.212	<1E-200	-0.002	0.003	0.491	0.304	1619.313	TRUE	<1E-200
FEV1	FOXK2	cg25009498	rs62079673	T	C	0.598	0.023	0.417	2.79E-149	0.003	0.002	0.254	0.155	676.780	TRUE	1.60E-138
FEV1	FOXK2	cg25009498	rs72853019	A	G	1.036	0.104	0.027	1.81E-23	-0.002	0.008	0.848	0.026	99.603	TRUE	5.56E-23
FEV1	FOXK2	cg25009498	rs744991	G	C	-0.370	0.025	0.289	5.86E-48	0.003	0.003	0.257	0.054	211.582	TRUE	5.49E-46
FEV1	FOXK2	cg25009498	rs74705920	A	G	0.530	0.053	0.050	1.64E-23	0.001	0.005	0.793	0.026	99.799	TRUE	5.41E-23
FEV1	FOXK2	cg25009498	rs77256703	G	A	-0.229	0.023	0.441	1.45E-22	0.003	0.002	0.298	0.025	95.481	TRUE	9.31E-22

FEV1	FOXK2	cg25009498	rs78483419	C	T	-0.188	0.031	0.179	1.26E-09	-0.002	0.003	0.458	0.010	36.860	TRUE	2.50E-09
FEV1	FOXK2	cg25009498	rs9893830	T	A	0.480	0.044	0.215	2.89E-28	0.001	0.003	0.807	0.032	121.487	TRUE	1.32E-27
FEV1	FOXK2	cg26176014	rs140737552	T	C	0.191	0.027	0.246	2.55E-12	-0.002	0.003	0.519	0.013	48.983	TRUE	5.62E-12
FEV1	FOXK2	cg26986438	rs9914081	T	C	0.267	0.038	0.280	2.49E-12	-0.006	0.003	0.020	0.013	49.026	TRUE	1.64E-11
FEV1	FOXK2	cg27450688	rs3794713	C	T	-0.197	0.030	0.165	9.48E-11	0.007	0.003	0.023	0.011	41.904	TRUE	5.05E-10
FEV1	FOXK2	cg27570233	rs2015031	A	G	0.141	0.024	0.357	5.99E-09	0.000	0.003	0.859	0.009	33.821	TRUE	8.21E-09
FEV1	FOXO1	cg07109046	rs116913284	T	C	-0.503	0.084	0.043	2.34E-09	0.002	0.006	0.673	0.010	35.650	TRUE	3.80E-09
FEV1	FOXO1	cg07109046	rs117029811	T	C	0.636	0.090	0.017	1.29E-12	-0.005	0.009	0.567	0.013	50.315	TRUE	2.76E-12
FEV1	FOXO1	cg07109046	rs117752462	C	T	-0.817	0.121	0.011	1.57E-11	-0.021	0.011	0.044	0.012	45.415	TRUE	8.01E-11
FEV1	FOXO1	cg07109046	rs2701880	C	A	0.993	0.044	0.072	5.72E-111	-0.009	0.005	0.070	0.119	500.742	TRUE	1.06E-103
FEV1	FOXO1	cg07109046	rs2755237	C	A	0.292	0.033	0.151	4.54E-19	0.008	0.003	0.013	0.021	79.578	TRUE	6.99E-18
FEV1	FOXO1	cg07109046	rs73176962	G	A	0.811	0.147	0.016	3.72E-08	-0.006	0.010	0.530	0.008	30.272	TRUE	6.37E-08
FEV1	FOXO1	cg07109046	rs76949687	T	C	-0.586	0.081	0.017	3.83E-13	-0.010	0.008	0.193	0.014	52.698	TRUE	1.40E-12
FEV1	FOXO1	cg07109046	rs79692440	A	G	-0.862	0.086	0.018	1.45E-23	-0.007	0.008	0.377	0.026	100.041	TRUE	8.76E-23
FEV1	FOXO1	cg07109046	rs9532604	T	C	0.168	0.025	0.346	1.13E-11	0.001	0.003	0.698	0.012	46.064	TRUE	2.04E-11
FEV1	FOXO1	cg07109046	rs9549260	A	C	-0.709	0.028	0.193	2.55E-145	-0.007	0.003	0.009	0.151	658.573	TRUE	1.80E-133
FEV1	FOXO1	cg07109046	rs9577150	A	T	0.495	0.073	0.030	1.62E-11	-0.016	0.007	0.028	0.012	45.362	TRUE	9.19E-11
FEV1	FOXO1	cg07109046	rs9594422	T	C	-0.200	0.031	0.164	1.95E-10	-0.007	0.003	0.018	0.011	40.493	TRUE	1.11E-09
FEV1	FOXO1	cg09792463	rs2253001	T	A	-0.373	0.025	0.285	1.04E-48	-0.009	0.003	5.99E-04	0.055	215.027	TRUE	2.57E-45
FEV1	FOXO1	cg09792463	rs57788165	T	C	-0.245	0.043	0.086	8.81E-09	-0.005	0.004	0.218	0.009	33.070	TRUE	2.19E-08
FEV1	FOXO1	cg09792463	rs7323436	G	A	0.139	0.025	0.317	3.18E-08	0.000	0.003	0.872	0.008	30.579	TRUE	4.23E-08
FEV1	FOXO1	cg10696351	rs116913284	T	C	-0.532	0.084	0.043	2.57E-10	0.002	0.006	0.673	0.011	39.954	TRUE	4.39E-10
FEV1	FOXO1	cg10696351	rs117752462	C	T	-0.675	0.121	0.011	2.65E-08	-0.021	0.011	0.044	0.008	30.932	TRUE	9.58E-08
FEV1	FOXO1	cg10696351	rs2875409	A	G	-0.432	0.054	0.053	1.19E-15	-0.008	0.005	0.141	0.017	64.055	TRUE	6.05E-15
FEV1	FOXO1	cg10696351	rs55805387	T	C	-0.350	0.042	0.087	1.39E-16	-0.005	0.004	0.217	0.018	68.290	TRUE	6.44E-16
FEV1	FOXO1	cg10696351	rs58104999	T	C	-0.195	0.032	0.163	1.10E-09	-0.005	0.003	0.102	0.010	37.113	TRUE	3.66E-09
FEV1	FOXO1	cg10696351	rs7323436	G	A	0.227	0.025	0.317	1.18E-19	0.000	0.003	0.872	0.022	82.239	TRUE	2.78E-19
FEV1	FOXO1	cg10696351	rs7328677	G	A	-0.670	0.023	0.283	2.35E-184	-0.009	0.003	4.13E-04	0.185	838.005	TRUE	2.97E-166
FEV1	FOXO1	cg10696351	rs76949687	T	C	-0.501	0.081	0.017	5.65E-10	-0.010	0.008	0.193	0.010	38.419	TRUE	1.60E-09
FEV1	FOXO1	cg10696351	rs9532727	C	T	0.174	0.024	0.400	7.98E-13	0.007	0.003	0.007	0.014	51.259	TRUE	7.24E-12
FEV1	FOXO1	cg11244402	rs4325427	T	C	-0.370	0.026	0.265	9.56E-46	-0.008	0.003	0.001	0.052	201.447	TRUE	1.08E-42
FEV1	FOXO1	cg14168545	rs9577090	T	G	0.226	0.025	0.279	5.30E-19	-0.009	0.003	6.42E-04	0.021	79.272	TRUE	1.82E-17
FEV1	FOXO1	cg21288729	rs117752462	C	T	0.764	0.121	0.011	3.06E-10	-0.021	0.011	0.044	0.011	39.612	TRUE	1.36E-09
FEV1	FOXO1	cg21288729	rs17592468	A	G	0.679	0.071	0.023	6.65E-22	-0.008	0.007	0.228	0.024	92.473	TRUE	4.71E-21
FEV1	FOXO1	cg21288729	rs2875409	A	G	0.492	0.054	0.053	5.11E-20	-0.008	0.005	0.141	0.022	83.891	TRUE	3.83E-19
FEV1	FOXO1	cg21288729	rs3783164	C	T	-0.346	0.025	0.308	8.35E-44	0.000	0.003	0.911	0.049	192.556	TRUE	1.30E-42
FEV1	FOXO1	cg21288729	rs55805387	T	C	0.482	0.042	0.087	2.86E-30	-0.005	0.004	0.217	0.034	130.640	TRUE	4.52E-29
FEV1	FOXO1	cg21288729	rs573506397	T	C	0.925	0.152	0.015	1.13E-09	-0.018	0.016	0.284	0.010	37.071	TRUE	2.73E-09
FEV1	FOXO1	cg21288729	rs58104999	T	C	0.244	0.032	0.163	1.51E-14	-0.005	0.003	0.102	0.016	59.055	TRUE	7.79E-14
FEV1	FOXO1	cg21288729	rs73173159	A	C	0.440	0.076	0.021	6.66E-09	-0.002	0.008	0.758	0.009	33.615	TRUE	9.91E-09
FEV1	FOXO1	cg21288729	rs76949687	T	C	0.607	0.080	0.017	3.95E-14	-0.010	0.008	0.193	0.015	57.160	TRUE	1.57E-13
FEV1	FOXO1	cg21288729	rs7989711	T	C	0.794	0.024	0.281	2.46E-241	-0.009	0.003	5.68E-04	0.229	1099.990	TRUE	4.07E-214

FEV1	FOXO1	cg21288729	rs9532719	A	G	0.556	0.079	0.060	1.87E-12	-0.012	0.005	0.019	0.013	49.585	TRUE	1.30E-11
FEV1	FOXO1	cg23413567	rs9549243	A	G	-0.282	0.029	0.187	8.75E-23	-0.007	0.003	0.017	0.025	96.486	TRUE	2.06E-21
FEV1	FTH1	cg01209023	rs195445	C	T	-0.304	0.025	0.322	1.84E-33	0.010	0.003	9.24E-05	0.038	145.230	TRUE	8.48E-31
FEV1	FTH1	cg01209023	rs71490347	T	G	0.235	0.027	0.266	7.76E-19	-0.004	0.003	0.184	0.021	78.518	TRUE	4.74E-18
FEV1	FTH1	cg02315732	rs10897194	G	C	0.351	0.042	0.083	8.76E-17	-0.008	0.004	0.070	0.018	69.192	TRUE	6.57E-16
FEV1	FTH1	cg02315732	rs12786452	T	C	-0.293	0.025	0.324	7.27E-32	0.010	0.003	8.48E-05	0.036	137.930	TRUE	2.76E-29
FEV1	FTH1	cg18570751	rs185835490	T	G	0.716	0.075	0.025	6.96E-22	-0.002	0.008	0.822	0.024	92.385	TRUE	1.99E-21
FEV1	FTH1	cg24496614	rs11605994	T	C	-0.158	0.027	0.251	6.16E-09	0.006	0.003	0.023	0.009	33.767	TRUE	2.71E-08
FEV1	FTH1	cg24496614	rs17633020	A	G	0.296	0.028	0.219	5.99E-26	-0.002	0.003	0.435	0.029	110.917	TRUE	3.97E-25
FEV1	FTH1	cg24803614	rs12576538	A	G	0.201	0.023	0.441	8.71E-18	-0.002	0.002	0.461	0.020	73.745	TRUE	2.89E-17
FEV1	FTH1	cg24803614	rs12786452	T	C	-0.353	0.025	0.324	1.43E-45	0.010	0.003	8.48E-05	0.051	200.646	TRUE	4.54E-42
FEV1	FTH1	cg24803614	rs174455	G	A	0.140	0.024	0.347	6.41E-09	0.000	0.002	0.903	0.009	33.688	TRUE	8.61E-09
FEV1	FTH1	cg24803614	rs34967927	A	G	-0.153	0.027	0.251	1.08E-08	-0.002	0.003	0.509	0.009	32.681	TRUE	1.94E-08
FEV1	FTH1	cg24803614	rs72924290	C	T	-0.469	0.070	0.028	2.94E-11	-0.005	0.007	0.449	0.012	44.191	TRUE	6.55E-11
FEV1	FTH1	cg24898753	rs17633020	A	G	0.304	0.028	0.219	2.39E-27	-0.002	0.003	0.435	0.031	117.297	TRUE	1.78E-26
FEV1	FYN	cg02755956	rs9487724	G	C	0.261	0.043	0.100	1.36E-09	0.004	0.004	0.291	0.010	36.710	TRUE	3.22E-09
FEV1	FYN	cg02816367	rs2012071	A	G	0.184	0.025	0.472	3.55E-13	0.002	0.002	0.423	0.014	52.851	TRUE	9.15E-13
FEV1	FYN	cg04657000	rs1887315	G	C	0.342	0.038	0.138	9.54E-20	0.005	0.004	0.196	0.022	82.658	TRUE	5.99E-19
FEV1	FYN	cg05517541	rs10457239	A	G	-0.211	0.034	0.154	8.33E-10	-0.005	0.003	0.137	0.010	37.660	TRUE	2.57E-09
FEV1	FYN	cg05517541	rs137922443	G	A	0.597	0.100	0.017	2.59E-09	0.002	0.010	0.803	0.009	35.451	TRUE	3.81E-09
FEV1	FYN	cg05517541	rs17073074	T	C	0.514	0.046	0.085	8.69E-29	0.003	0.004	0.435	0.032	123.872	TRUE	7.15E-28
FEV1	FYN	cg05517541	rs17704348	C	T	-0.254	0.037	0.131	3.83E-12	0.000	0.003	0.947	0.013	48.184	TRUE	5.65E-12
FEV1	FYN	cg05517541	rs536341	A	G	0.428	0.066	0.042	1.02E-10	-0.004	0.006	0.500	0.011	41.769	TRUE	2.08E-10
FEV1	FYN	cg05517541	rs580900	C	T	0.822	0.060	0.049	4.49E-43	0.004	0.006	0.460	0.049	189.210	TRUE	1.45E-41
FEV1	FYN	cg05517541	rs6932319	A	G	-0.330	0.036	0.146	2.12E-20	-0.004	0.003	0.263	0.023	85.628	TRUE	1.25E-19
FEV1	FYN	cg05517541	rs927010	C	G	-0.209	0.029	0.244	9.41E-13	-0.001	0.003	0.750	0.014	50.937	TRUE	1.72E-12
FEV1	FYN	cg05517541	rs9400505	C	T	1.229	0.030	0.148	<1E-200	0.007	0.003	0.048	0.313	1683.281	TRUE	<1E-200
FEV1	FYN	cg05517541	rs9481206	T	A	0.288	0.040	0.116	3.23E-13	0.008	0.004	0.030	0.014	53.036	TRUE	2.15E-12
FEV1	FYN	cg07725064	rs17072993	T	C	0.241	0.036	0.152	2.57E-11	0.008	0.003	0.024	0.012	44.455	TRUE	1.47E-10
FEV1	FYN	cg07725064	rs4544951	G	A	-0.173	0.027	0.343	1.11E-10	0.001	0.003	0.572	0.011	41.602	TRUE	2.10E-10
FEV1	FYN	cg07725064	rs4947131	A	G	-0.214	0.029	0.244	3.41E-13	-0.001	0.003	0.751	0.014	52.928	TRUE	6.40E-13
FEV1	FYN	cg07725064	rs9387018	T	C	-0.193	0.028	0.279	5.59E-12	-0.003	0.003	0.261	0.013	47.443	TRUE	1.65E-11
FEV1	FYN	cg07725064	rs9487589	C	T	-0.203	0.028	0.280	7.46E-13	-0.004	0.003	0.173	0.014	51.391	TRUE	2.76E-12
FEV1	FYN	cg07725064	rs9487730	T	A	-0.984	0.052	0.054	4.35E-81	0.007	0.005	0.172	0.089	363.527	TRUE	8.39E-77
FEV1	FYN	cg08061598	rs9374281	T	G	0.468	0.079	0.028	2.91E-09	0.001	0.008	0.851	0.009	35.226	TRUE	4.10E-09
FEV1	FYN	cg08270099	rs1321169	A	T	0.153	0.027	0.375	8.95E-09	-0.001	0.002	0.608	0.009	33.040	TRUE	1.47E-08
FEV1	FYN	cg08376209	rs62413686	T	G	1.033	0.116	0.011	5.79E-19	0.017	0.011	0.119	0.021	79.097	TRUE	4.26E-18
FEV1	FYN	cg08376209	rs697642	A	G	0.280	0.045	0.088	4.62E-10	0.006	0.004	0.136	0.010	38.811	TRUE	1.47E-09
FEV1	FYN	cg08601457	rs12175744	C	G	0.380	0.046	0.085	1.85E-16	0.003	0.004	0.443	0.018	67.722	TRUE	5.83E-16
FEV1	FYN	cg08601457	rs17540214	T	A	-0.212	0.037	0.133	6.56E-09	-0.006	0.003	0.077	0.009	33.644	TRUE	2.20E-08
FEV1	FYN	cg08601457	rs62413686	T	G	0.743	0.116	0.011	1.79E-10	0.017	0.011	0.119	0.011	40.665	TRUE	6.16E-10
FEV1	FYN	cg08601457	rs6932319	A	G	-0.249	0.036	0.146	3.40E-12	-0.004	0.003	0.263	0.013	48.419	TRUE	1.04E-11

FEV1	FYN	cg08601457	rs706895	C	T	0.284	0.029	0.249	1.62E-22	0.000	0.003	0.917	0.025	95.265	TRUE	4.34E-22
FEV1	FYN	cg08601457	rs9487736	A	G	0.872	0.035	0.143	5.23E-135	0.007	0.004	0.051	0.142	611.189	TRUE	4.18E-125
FEV1	FYN	cg09410830	rs17072801	C	A	-0.437	0.072	0.071	1.30E-09	-0.003	0.004	0.474	0.010	36.800	TRUE	2.54E-09
FEV1	FYN	cg09512548	rs10457239	A	G	-0.280	0.034	0.154	4.11E-16	-0.005	0.003	0.137	0.018	66.148	TRUE	2.19E-15
FEV1	FYN	cg09512548	rs12191154	G	A	-0.696	0.038	0.108	5.00E-74	-0.003	0.004	0.400	0.082	331.126	TRUE	1.19E-70
FEV1	FYN	cg09512548	rs1794818	A	G	0.297	0.025	0.411	1.94E-31	-0.002	0.002	0.398	0.035	135.986	TRUE	2.18E-30
FEV1	FYN	cg09512548	rs56376432	C	T	0.253	0.046	0.082	3.47E-08	-0.003	0.004	0.473	0.008	30.407	TRUE	6.19E-08
FEV1	FYN	cg13832988	rs116862171	G	A	-1.205	0.139	0.016	3.78E-18	-0.003	0.009	0.758	0.020	75.390	TRUE	9.20E-18
FEV1	FYN	cg13832988	rs35552830	A	T	-0.207	0.033	0.170	2.68E-10	0.001	0.003	0.843	0.011	39.874	TRUE	3.97E-10
FEV1	FYN	cg14482998	rs1029324	A	G	-0.941	0.022	0.327	<1E-200	-0.005	0.003	0.056	0.333	1844.014	TRUE	<1E-200
FEV1	FYN	cg14482998	rs117106468	A	C	-0.671	0.090	0.019	9.52E-14	-0.010	0.008	0.202	0.015	55.434	TRUE	3.58E-13
FEV1	FYN	cg14482998	rs117686161	A	T	0.829	0.140	0.015	3.09E-09	0.010	0.010	0.302	0.009	35.109	TRUE	7.11E-09
FEV1	FYN	cg14482998	rs117804466	A	G	0.560	0.073	0.030	1.83E-14	0.010	0.007	0.170	0.016	58.680	TRUE	7.82E-14
FEV1	FYN	cg14482998	rs174401	C	T	-0.504	0.032	0.180	1.32E-55	-0.007	0.003	0.030	0.063	246.626	TRUE	1.55E-52
FEV1	FYN	cg14482998	rs2237257	G	T	0.578	0.037	0.124	3.70E-56	-0.002	0.004	0.532	0.063	249.157	TRUE	4.83E-54
FEV1	FYN	cg14482998	rs35737411	T	C	0.403	0.043	0.095	1.44E-20	-0.005	0.004	0.205	0.023	86.397	TRUE	9.39E-20
FEV1	FYN	cg14482998	rs35796161	G	T	0.511	0.025	0.398	1.16E-96	-0.001	0.002	0.548	0.105	435.023	TRUE	9.27E-92
FEV1	FYN	cg14482998	rs4429983	G	A	-0.413	0.057	0.117	4.30E-13	0.001	0.003	0.784	0.014	52.474	TRUE	7.64E-13
FEV1	FYN	cg14482998	rs456865	T	C	-0.336	0.025	0.429	5.97E-40	-0.003	0.002	0.281	0.045	174.913	TRUE	2.02E-38
FEV1	FYN	cg14482998	rs62414866	A	C	0.420	0.044	0.082	3.04E-21	0.001	0.004	0.860	0.024	89.467	TRUE	7.93E-21
FEV1	FYN	cg14482998	rs72944240	T	C	-0.382	0.054	0.143	1.67E-12	-0.002	0.004	0.569	0.013	49.806	TRUE	3.56E-12
FEV1	FYN	cg14482998	rs74885165	A	G	0.472	0.082	0.020	6.80E-09	-0.011	0.007	0.146	0.009	33.573	TRUE	1.93E-08
FEV1	FYN	cg14482998	rs75288724	G	A	-0.772	0.087	0.022	7.02E-19	-0.005	0.008	0.564	0.021	78.714	TRUE	2.25E-18
FEV1	FYN	cg14482998	rs788157	T	A	-0.672	0.084	0.023	1.02E-15	0.010	0.008	0.217	0.017	64.360	TRUE	4.37E-15
FEV1	FYN	cg14482998	rs79074797	C	T	-0.585	0.047	0.078	4.92E-35	-0.006	0.005	0.195	0.040	152.419	TRUE	1.32E-33
FEV1	FYN	cg14482998	rs9487589	C	T	0.393	0.028	0.280	1.51E-44	-0.004	0.003	0.173	0.050	195.964	TRUE	1.27E-42
FEV1	FYN	cg14482998	rs9487671	C	T	-0.466	0.065	0.044	6.91E-13	0.014	0.006	0.015	0.014	51.542	TRUE	5.34E-12
FEV1	FYN	cg14482998	rs9487704	A	G	-0.705	0.083	0.024	1.29E-17	0.008	0.008	0.335	0.019	72.976	TRUE	5.24E-17
FEV1	FYN	cg14683699	rs73533730	T	C	-0.499	0.082	0.028	1.35E-09	0.000	0.008	0.976	0.010	36.714	TRUE	1.76E-09
FEV1	FYN	cg14683699	rs9320380	T	C	-0.299	0.030	0.253	6.80E-24	0.007	0.003	0.010	0.027	101.542	TRUE	2.20E-22
FEV1	FYN	cg16155724	rs1887315	G	C	0.293	0.038	0.138	8.29E-15	0.005	0.004	0.196	0.016	60.233	TRUE	3.44E-14
FEV1	FYN	cg17076443	rs9487736	A	G	0.300	0.037	0.143	3.55E-16	0.007	0.004	0.051	0.018	66.434	TRUE	2.68E-15
FEV1	FYN	cg20596647	rs12175744	C	G	0.504	0.046	0.085	6.81E-28	0.003	0.004	0.443	0.031	119.788	TRUE	5.19E-27
FEV1	FYN	cg20596647	rs144080231	A	G	-0.198	0.035	0.146	1.84E-08	-0.004	0.003	0.204	0.008	31.644	TRUE	4.55E-08
FEV1	FYN	cg20596647	rs17704348	C	T	-0.246	0.037	0.131	1.72E-11	0.000	0.003	0.947	0.012	45.238	TRUE	2.47E-11
FEV1	FYN	cg20596647	rs4544951	G	A	-0.151	0.027	0.343	1.56E-08	0.001	0.003	0.572	0.009	31.962	TRUE	2.62E-08
FEV1	FYN	cg20596647	rs536341	A	G	0.372	0.066	0.042	1.96E-08	-0.004	0.006	0.500	0.008	31.522	TRUE	3.49E-08
FEV1	FYN	cg20596647	rs62413686	T	G	1.319	0.116	0.011	3.67E-30	0.017	0.011	0.119	0.034	130.148	TRUE	8.02E-29
FEV1	FYN	cg20596647	rs706867	T	C	-0.195	0.029	0.235	3.59E-11	0.000	0.003	0.924	0.012	43.803	TRUE	5.25E-11
FEV1	FYN	cg20596647	rs706895	C	T	0.322	0.029	0.249	1.00E-28	0.000	0.003	0.917	0.032	123.586	TRUE	4.11E-28
FEV1	FYN	cg20596647	rs72942201	A	G	-0.347	0.051	0.061	7.43E-12	-0.002	0.005	0.758	0.013	46.884	TRUE	1.28E-11
FEV1	FYN	cg20596647	rs7775711	A	G	1.225	0.031	0.142	<1E-200	0.007	0.004	0.060	0.297	1561.376	TRUE	1.50E-296

FEV1	FYN	cg20706496	rs150735800	C	T	0.452	0.081	0.025	2.94E-08	0.000	0.008	0.962	0.008	30.732	TRUE	3.69E-08
FEV1	FYN	cg20706496	rs6912110	G	A	-0.327	0.026	0.376	1.18E-35	-0.001	0.002	0.639	0.040	155.263	TRUE	1.27E-34
FEV1	FYN	cg24824472	rs9487736	A	G	0.494	0.036	0.143	9.37E-42	0.007	0.004	0.051	0.047	183.170	TRUE	1.17E-39
FEV1	FYN	cg26462931	rs9487777	C	G	1.489	0.109	0.014	3.66E-42	-0.001	0.009	0.941	0.048	185.037	TRUE	4.58E-41
FEV1	FYN	cg26846943	rs10872074	G	A	0.485	0.082	0.026	2.76E-09	0.007	0.008	0.361	0.009	35.325	TRUE	5.93E-09
FEV1	FYN	cg26846943	rs11153318	A	G	-0.256	0.026	0.364	2.90E-22	0.000	0.003	0.869	0.025	94.119	TRUE	8.00E-22
FEV1	FYN	cg26846943	rs144080231	A	G	-0.217	0.035	0.146	7.31E-10	-0.004	0.003	0.204	0.010	37.915	TRUE	2.03E-09
FEV1	FYN	cg26846943	rs17704348	C	T	-0.287	0.037	0.131	3.72E-15	0.000	0.003	0.947	0.016	61.811	TRUE	6.31E-15
FEV1	FYN	cg26846943	rs56268709	A	C	0.854	0.154	0.015	2.83E-08	0.001	0.008	0.876	0.008	30.805	TRUE	3.77E-08
FEV1	FYN	cg26846943	rs580900	C	T	1.153	0.059	0.049	1.89E-85	0.004	0.006	0.460	0.094	383.552	TRUE	2.58E-81
FEV1	FYN	cg26846943	rs585057	T	C	0.240	0.039	0.329	5.71E-10	-0.001	0.002	0.809	0.010	38.396	TRUE	8.64E-10
FEV1	FYN	cg26846943	rs72946251	C	A	0.475	0.067	0.042	1.20E-12	-0.006	0.006	0.352	0.013	50.459	TRUE	3.29E-12
FEV1	FYN	cg26846943	rs7776191	G	T	0.735	0.067	0.036	5.09E-28	0.001	0.006	0.871	0.032	120.367	TRUE	2.09E-27
FEV1	FYN	cg26846943	rs804193	T	C	0.562	0.064	0.042	1.57E-18	0.006	0.006	0.347	0.020	77.129	TRUE	6.61E-18
FEV1	FYN	cg26846943	rs9400505	C	T	1.342	0.027	0.148	<1E-200	0.007	0.003	0.048	0.400	2466.568	TRUE	<1E-200
FEV1	FYN	cg26846943	rs9481206	T	A	0.308	0.040	0.116	6.25E-15	0.008	0.004	0.030	0.016	60.790	TRUE	4.98E-14
FEV1	FZD5	cg03851591	rs10165827	T	C	0.219	0.036	0.118	7.18E-10	-0.007	0.004	0.066	0.010	37.951	TRUE	2.81E-09
FEV1	FZD5	cg03851591	rs13005485	A	G	-0.134	0.023	0.444	7.16E-09	0.004	0.002	0.106	0.009	33.473	TRUE	2.22E-08
FEV1	FZD5	cg03851591	rs41265963	T	C	-0.275	0.024	0.399	1.61E-31	0.002	0.002	0.381	0.036	136.353	TRUE	1.91E-30
FEV1	FZD5	cg05774672	rs35994626	A	G	0.599	0.063	0.081	1.32E-21	0.014	0.005	0.002	0.024	91.120	TRUE	4.99E-20
FEV1	FZD5	cg05774672	rs57665068	T	C	-0.351	0.051	0.056	5.78E-12	-0.006	0.006	0.342	0.013	47.377	TRUE	1.53E-11
FEV1	FZD5	cg14011663	rs11687552	T	C	0.936	0.019	0.370	<1E-200	0.002	0.003	0.494	0.402	2487.651	TRUE	<1E-200
FEV1	FZD5	cg14011663	rs11695190	T	C	-0.422	0.025	0.300	4.52E-65	-0.006	0.003	0.016	0.073	290.031	TRUE	3.44E-61
FEV1	FZD5	cg14011663	rs13411341	G	C	0.339	0.062	0.035	4.41E-08	0.006	0.006	0.366	0.008	29.945	TRUE	8.68E-08
FEV1	FZD5	cg14011663	rs147748950	T	C	0.398	0.064	0.031	4.05E-10	0.008	0.006	0.221	0.010	39.067	TRUE	1.11E-09
FEV1	FZD5	cg14011663	rs17203016	G	A	-0.203	0.029	0.200	4.83E-12	0.000	0.003	0.881	0.013	47.727	TRUE	7.49E-12
FEV1	FZD5	cg14011663	rs17458775	T	G	0.216	0.036	0.378	1.70E-09	0.008	0.002	0.002	0.010	36.276	TRUE	1.30E-08
FEV1	FZD5	cg14011663	rs2042484	T	C	0.205	0.024	0.422	1.25E-17	0.006	0.002	0.008	0.019	73.029	TRUE	1.93E-16
FEV1	FZD5	cg14011663	rs2551909	T	C	-0.499	0.042	0.081	4.13E-32	-0.015	0.005	8.53E-04	0.036	139.053	TRUE	7.60E-30
FEV1	FZD5	cg14011663	rs4234080	A	C	0.427	0.033	0.138	1.57E-37	0.004	0.003	0.173	0.042	163.836	TRUE	6.13E-36
FEV1	FZD5	cg14011663	rs56199150	G	C	-0.170	0.025	0.384	4.23E-12	0.003	0.003	0.301	0.013	47.991	TRUE	1.17E-11
FEV1	FZD5	cg14011663	rs62192787	T	G	-0.245	0.043	0.081	9.23E-09	0.000	0.004	0.971	0.009	32.979	TRUE	1.18E-08
FEV1	FZD5	cg14011663	rs66800874	C	G	-0.341	0.041	0.089	6.10E-17	-0.005	0.004	0.243	0.019	69.907	TRUE	2.75E-16
FEV1	FZD5	cg14011663	rs6747660	A	G	0.185	0.028	0.241	2.27E-11	0.001	0.003	0.638	0.012	44.695	TRUE	4.27E-11
FEV1	FZD5	cg14011663	rs74471859	T	A	-0.510	0.063	0.081	5.92E-16	0.014	0.005	0.001	0.017	65.428	TRUE	1.14E-14
FEV1	FZD5	cg14011663	rs7582078	C	A	-0.309	0.032	0.458	4.06E-22	-0.001	0.002	0.668	0.025	93.451	TRUE	1.41E-21
FEV1	FZD5	cg15262317	rs2363458	C	T	0.155	0.024	0.408	7.39E-11	-0.003	0.002	0.268	0.011	42.390	TRUE	1.97E-10
FEV1	FZD5	cg15262317	rs2464981	A	T	-0.148	0.025	0.345	2.94E-09	0.006	0.003	0.023	0.009	35.207	TRUE	1.36E-08
FEV1	FZD5	cg15262317	rs74471859	T	A	-0.596	0.063	0.081	2.32E-21	0.014	0.005	0.001	0.024	90.004	TRUE	9.01E-20
FEV1	FZD5	cg15714846	rs57665068	T	C	-0.381	0.051	0.056	7.50E-14	-0.006	0.006	0.342	0.015	55.903	TRUE	2.27E-13
FEV1	FZD5	cg15714846	rs74471859	T	A	0.672	0.063	0.081	6.22E-27	0.014	0.005	0.001	0.030	115.406	TRUE	5.00E-25
FEV1	FZD5	cg16688437	rs2363458	C	T	0.179	0.024	0.408	4.05E-14	-0.003	0.002	0.268	0.015	57.115	TRUE	1.37E-13

FEV1	FZD5	cg16688437	rs74471859	T	A	-0.378	0.063	0.081	2.23E-09	0.014	0.005	0.001	0.010	35.738	TRUE	1.74E-08
FEV1	FZD5	cg19744498	rs35994626	A	G	1.306	0.059	0.081	1.01E-107	0.014	0.005	0.002	0.116	485.838	TRUE	1.29E-99
FEV1	FZD5	cg19744498	rs55731465	A	C	-0.194	0.024	0.476	3.13E-16	-0.001	0.002	0.552	0.018	66.683	TRUE	8.46E-16
FEV1	FZD5	cg19744498	rs60133051	T	C	0.207	0.034	0.136	1.66E-09	0.003	0.004	0.451	0.010	36.315	TRUE	3.28E-09
FEV1	FZD5	cg19957162	rs35994626	A	G	1.207	0.060	0.081	3.12E-90	0.014	0.005	0.002	0.099	405.508	TRUE	8.48E-84
FEV1	FZD5	cg19957162	rs55731465	A	C	-0.164	0.024	0.476	6.40E-12	-0.001	0.002	0.552	0.013	47.178	TRUE	1.32E-11
FEV1	FZD5	cg19957162	rs57665068	T	C	-0.308	0.051	0.056	1.64E-09	-0.006	0.006	0.342	0.010	36.343	TRUE	3.65E-09
FEV1	FZD5	cg19957162	rs60133051	T	C	0.227	0.034	0.136	3.62E-11	0.003	0.004	0.451	0.012	43.788	TRUE	7.93E-11
FEV1	FZD5	cg19957162	rs6760444	G	A	0.139	0.024	0.386	7.98E-09	0.005	0.002	0.054	0.009	33.263	TRUE	2.89E-08
FEV1	FZD5	cg21100734	rs114966053	G	A	0.608	0.100	0.017	1.33E-09	-0.017	0.009	0.053	0.010	36.755	TRUE	5.25E-09
FEV1	FZD5	cg21100734	rs140492232	C	T	0.478	0.081	0.018	2.93E-09	-0.012	0.008	0.144	0.009	35.212	TRUE	8.64E-09
FEV1	FZD5	cg21100734	rs17203016	G	A	-0.182	0.029	0.200	4.78E-10	0.000	0.003	0.881	0.010	38.743	TRUE	6.79E-10
FEV1	FZD5	cg21100734	rs9784133	G	A	0.213	0.024	0.408	1.95E-19	0.003	0.002	0.236	0.021	81.249	TRUE	1.07E-18
FEV1	FZD5	cg25727806	rs41265963	T	C	0.247	0.024	0.399	3.37E-25	0.002	0.002	0.381	0.028	107.493	TRUE	2.29E-24
FEV1	GAB2	cg07780377	rs10793302	T	C	-0.269	0.032	0.150	8.77E-17	-0.007	0.003	0.027	0.018	69.190	TRUE	8.71E-16
FEV1	GAB2	cg12700464	rs202186505	C	T	-0.178	0.032	0.149	3.75E-08	-0.007	0.003	0.021	0.008	30.259	TRUE	1.53E-07
FEV1	GAB2	cg13226797	rs2063730	C	A	-0.201	0.031	0.177	4.58E-11	-0.007	0.003	0.029	0.012	43.327	TRUE	2.43E-10
FEV1	GAB2	cg13319772	rs901105	C	A	-0.231	0.032	0.154	3.62E-13	-0.008	0.003	0.008	0.014	52.811	TRUE	3.23E-12
FEV1	GAB2	cg24769381	rs112250420	A	T	-0.600	0.061	0.072	1.01E-22	-0.005	0.005	0.274	0.025	96.204	TRUE	6.80E-22
FEV1	GAB2	cg24769381	rs11237557	C	A	0.298	0.049	0.064	1.66E-09	-0.003	0.005	0.530	0.010	36.317	TRUE	3.07E-09
FEV1	GAB2	cg24769381	rs12294627	A	C	-0.937	0.115	0.019	2.86E-16	-0.006	0.009	0.487	0.018	66.863	TRUE	8.45E-16
FEV1	GAB2	cg24769381	rs12420296	C	T	-0.141	0.024	0.459	2.46E-09	-0.009	0.002	3.15E-04	0.010	35.554	TRUE	2.32E-08
FEV1	GAB2	cg24769381	rs1790246	A	G	-0.205	0.026	0.260	8.64E-15	0.001	0.003	0.715	0.016	60.151	TRUE	1.82E-14
FEV1	GAB2	cg24769381	rs189665771	T	C	-1.350	0.162	0.011	8.42E-17	-0.031	0.011	0.006	0.018	69.270	TRUE	1.28E-15
FEV1	GAB2	cg24769381	rs2510044	A	G	-1.261	0.028	0.130	<1E-200	-0.005	0.003	0.153	0.361	2092.313	TRUE	<1E-200
FEV1	GAB2	cg24769381	rs542392	A	T	0.175	0.029	0.222	1.11E-09	0.003	0.003	0.266	0.010	37.094	TRUE	2.75E-09
FEV1	GAB2	cg24769381	rs683420	C	T	-0.584	0.089	0.036	6.10E-11	-0.003	0.007	0.621	0.011	42.765	TRUE	1.13E-10
FEV1	GAB2	cg24769381	rs7125327	T	C	0.324	0.032	0.391	9.95E-24	0.001	0.002	0.786	0.027	100.789	TRUE	3.43E-23
FEV1	GAB2	cg24769381	rs74862493	G	T	-0.530	0.040	0.098	1.97E-39	-0.003	0.004	0.466	0.045	172.540	TRUE	4.28E-38
FEV1	GAB2	cg24769381	rs75268099	T	C	-1.275	0.090	0.019	6.51E-46	-0.012	0.008	0.112	0.052	202.212	TRUE	9.02E-44
FEV1	GAB2	cg24769381	rs977977	T	C	0.217	0.027	0.232	1.62E-15	-0.003	0.003	0.288	0.017	63.448	TRUE	5.90E-15
FEV1	GAB2	cg25414537	rs71471414	G	T	-0.433	0.045	0.180	1.49E-21	0.002	0.003	0.581	0.024	90.875	TRUE	5.61E-21
FEV1	GAB2	cg25502267	rs2510031	C	T	-0.237	0.032	0.150	2.06E-13	-0.006	0.003	0.049	0.014	53.918	TRUE	1.23E-12
FEV1	GAB2	cg26672202	rs117732488	G	A	0.542	0.099	0.015	4.93E-08	-0.013	0.009	0.158	0.008	29.728	TRUE	1.27E-07
FEV1	GAB2	cg26672202	rs1385601	C	A	0.886	0.031	0.150	2.14E-179	-0.007	0.003	0.029	0.181	815.206	TRUE	1.43E-163
FEV1	GAB2	cg26672202	rs189665771	T	C	1.073	0.163	0.011	4.24E-11	-0.031	0.011	0.006	0.012	43.474	TRUE	3.21E-10
FEV1	GAB2	cg26672202	rs7125563	A	G	-0.161	0.026	0.278	5.19E-10	-0.003	0.003	0.278	0.010	38.584	TRUE	1.29E-09
FEV1	GAB2	cg26672202	rs79023139	C	A	0.329	0.040	0.102	1.27E-16	-0.006	0.004	0.169	0.018	68.463	TRUE	6.56E-16
FEV1	GALNS	cg00073650	rs12102389	A	G	-1.041	0.087	0.021	9.35E-33	0.018	0.008	0.016	0.037	142.001	TRUE	6.86E-31
FEV1	GALNS	cg00086334	rs11648295	T	G	-0.414	0.049	0.125	1.66E-17	0.002	0.004	0.488	0.019	72.471	TRUE	5.31E-17
FEV1	GALNS	cg00086334	rs78408219	A	T	-0.260	0.043	0.084	2.09E-09	0.001	0.004	0.815	0.010	35.872	TRUE	3.05E-09
FEV1	GALNS	cg00230183	rs1064315	A	G	-0.251	0.027	0.256	3.77E-20	0.002	0.003	0.483	0.022	84.491	TRUE	1.44E-19

FEV1	GALNS	cg00230183	rs112999834	T	A	0.240	0.041	0.100	6.35E-09	0.006	0.004	0.113	0.009	33.707	TRUE	1.94E-08
FEV1	GALNS	cg00230183	rs116932393	T	A	-1.039	0.104	0.015	1.35E-23	-0.006	0.009	0.504	0.026	100.191	TRUE	6.59E-23
FEV1	GALNS	cg00230183	rs12102389	A	G	1.013	0.088	0.021	1.42E-30	0.018	0.008	0.016	0.034	132.027	TRUE	8.02E-29
FEV1	GALNS	cg00230183	rs533581	C	T	0.161	0.024	0.398	1.17E-11	-0.005	0.002	0.038	0.012	46.000	TRUE	6.28E-11
FEV1	GALNS	cg01241798	rs11640595	T	C	-1.126	0.061	0.042	1.54E-75	0.015	0.007	0.026	0.084	338.063	TRUE	5.10E-71
FEV1	GALNS	cg01241798	rs12931849	C	T	-0.301	0.029	0.206	1.81E-24	0.004	0.003	0.177	0.027	104.165	TRUE	1.83E-23
FEV1	GALNS	cg01241798	rs12933643	T	C	-0.533	0.089	0.034	2.32E-09	-0.007	0.006	0.251	0.010	35.666	TRUE	5.73E-09
FEV1	GALNS	cg01241798	rs13306296	A	G	-0.150	0.024	0.361	7.20E-10	-0.005	0.003	0.029	0.010	37.946	TRUE	3.34E-09
FEV1	GALNS	cg01241798	rs147668693	A	G	0.475	0.056	0.049	2.60E-17	0.001	0.005	0.923	0.019	71.585	TRUE	5.08E-17
FEV1	GALNS	cg01241798	rs154663	T	C	-0.359	0.041	0.101	9.35E-19	0.011	0.004	0.008	0.021	78.149	TRUE	1.64E-17
FEV1	GALNS	cg01241798	rs1646235	C	T	-0.235	0.041	0.200	1.26E-08	0.001	0.003	0.724	0.009	32.380	TRUE	1.91E-08
FEV1	GALNS	cg01241798	rs2269333	G	A	-0.733	0.025	0.288	3.15E-189	0.002	0.003	0.494	0.189	860.408	TRUE	9.69E-174
FEV1	GALNS	cg01241798	rs258336	T	G	0.175	0.024	0.459	1.41E-13	0.001	0.002	0.547	0.015	54.658	TRUE	3.29E-13
FEV1	GALNS	cg01241798	rs2879898	T	C	-0.256	0.025	0.352	5.34E-25	0.006	0.003	0.020	0.028	106.580	TRUE	1.46E-23
FEV1	GALNS	cg01241798	rs34060566	A	C	0.253	0.024	0.360	7.94E-26	-0.004	0.003	0.118	0.029	110.357	TRUE	1.12E-24
FEV1	GALNS	cg01241798	rs34536643	G	A	-0.833	0.117	0.021	1.28E-12	-0.008	0.009	0.340	0.013	50.329	TRUE	3.56E-12
FEV1	GALNS	cg01241798	rs4782469	A	G	0.182	0.029	0.228	3.42E-10	0.007	0.003	0.016	0.011	39.399	TRUE	1.87E-09
FEV1	GALNS	cg01241798	rs4785639	A	G	-0.201	0.030	0.201	1.06E-11	0.004	0.003	0.179	0.012	46.183	TRUE	3.54E-11
FEV1	GALNS	cg01241798	rs4785645	G	A	-0.185	0.027	0.256	3.77E-12	0.009	0.003	0.001	0.013	48.214	TRUE	4.25E-11
FEV1	GALNS	cg01241798	rs563013384	T	C	-1.170	0.090	0.030	8.62E-39	0.000	0.007	0.955	0.044	169.604	TRUE	7.67E-38
FEV1	GALNS	cg01241798	rs6500516	C	T	-0.245	0.027	0.272	8.06E-20	0.006	0.003	0.021	0.022	82.990	TRUE	1.21E-18
FEV1	GALNS	cg01241798	rs7186902	A	C	-0.169	0.030	0.181	2.69E-08	0.010	0.003	9.02E-04	0.008	30.903	TRUE	1.95E-07
FEV1	GALNS	cg01241798	rs7188277	C	T	-0.236	0.031	0.181	2.24E-14	0.000	0.003	0.930	0.016	58.278	TRUE	3.76E-14
FEV1	GALNS	cg01241798	rs7205379	G	A	-0.548	0.041	0.190	1.02E-41	0.005	0.003	0.111	0.047	182.998	TRUE	8.77E-40
FEV1	GALNS	cg01241798	rs72631429	T	C	-0.271	0.028	0.224	1.22E-21	0.009	0.003	0.002	0.024	91.278	TRUE	4.19E-20
FEV1	GALNS	cg01241798	rs72809428	A	G	-0.192	0.031	0.181	5.76E-10	-0.002	0.003	0.551	0.010	38.380	TRUE	1.07E-09
FEV1	GALNS	cg01241798	rs72809455	C	A	-0.217	0.039	0.102	3.31E-08	0.003	0.004	0.458	0.008	30.500	TRUE	6.07E-08
FEV1	GALNS	cg01241798	rs8050636	T	C	0.227	0.032	0.162	7.08E-13	-0.013	0.003	3.93E-05	0.014	51.493	TRUE	1.65E-11
FEV1	GALNS	cg01686522	rs111616786	A	G	0.402	0.049	0.062	3.92E-16	0.004	0.005	0.374	0.018	66.240	TRUE	1.34E-15
FEV1	GALNS	cg01686522	rs112999834	T	A	-0.662	0.041	0.100	2.31E-59	0.006	0.004	0.113	0.067	263.855	TRUE	1.98E-56
FEV1	GALNS	cg01686522	rs11648295	T	G	-0.307	0.049	0.125	3.71E-10	0.002	0.004	0.488	0.010	39.239	TRUE	7.37E-10
FEV1	GALNS	cg01686522	rs118132614	C	T	0.336	0.056	0.046	2.75E-09	0.000	0.005	0.939	0.009	35.334	TRUE	3.65E-09
FEV1	GALNS	cg01686522	rs2242171	C	T	-0.197	0.024	0.397	1.26E-16	-0.007	0.002	0.007	0.018	68.476	TRUE	1.84E-15
FEV1	GALNS	cg01686522	rs34060566	A	C	0.157	0.024	0.360	8.22E-11	-0.004	0.003	0.118	0.011	42.182	TRUE	2.92E-10
FEV1	GALNS	cg01686522	rs35137494	A	G	0.729	0.031	0.160	1.26E-122	0.000	0.003	0.969	0.130	554.301	TRUE	7.28E-116
FEV1	GALNS	cg01686522	rs480474	C	T	-0.476	0.065	0.078	2.49E-13	0.000	0.005	0.923	0.014	53.542	TRUE	3.96E-13
FEV1	GALNS	cg01686522	rs80304559	A	G	0.224	0.038	0.105	3.08E-09	-0.002	0.004	0.603	0.009	35.114	TRUE	5.28E-09
FEV1	GALNS	cg01686522	rs8058234	G	C	-0.202	0.024	0.374	7.65E-17	-0.005	0.002	0.040	0.018	69.460	TRUE	7.04E-16
FEV1	GALNS	cg01686522	rs900729	C	G	0.161	0.029	0.218	1.96E-08	0.008	0.003	0.004	0.008	31.516	TRUE	1.16E-07
FEV1	GALNS	cg02010324	rs77352724	G	C	-0.430	0.052	0.056	1.49E-16	0.003	0.005	0.501	0.018	68.151	TRUE	4.43E-16
FEV1	GALNS	cg02669544	rs147197496	T	G	-1.349	0.135	0.017	1.66E-23	0.037	0.011	7.27E-04	0.026	99.777	TRUE	1.04E-21
FEV1	GALNS	cg02717656	rs12447646	A	G	-0.297	0.027	0.243	2.55E-27	0.001	0.003	0.687	0.031	117.170	TRUE	1.27E-26

FEV1	GALNS	cg02724461	rs11640595	T	C	0.390	0.063	0.042	4.66E-10	0.015	0.007	0.026	0.010	38.794	TRUE	2.30E-09
FEV1	GALNS	cg02724461	rs118132614	C	T	0.395	0.056	0.046	2.44E-12	0.000	0.005	0.939	0.013	49.066	TRUE	3.68E-12
FEV1	GALNS	cg02724461	rs12934499	T	C	0.541	0.027	0.256	4.70E-91	0.002	0.003	0.512	0.100	409.281	TRUE	1.53E-86
FEV1	GALNS	cg02724461	rs142277106	C	G	0.422	0.054	0.051	6.63E-15	0.003	0.005	0.641	0.016	60.673	TRUE	1.51E-14
FEV1	GALNS	cg02724461	rs2306050	T	C	0.257	0.029	0.216	1.29E-18	0.005	0.003	0.078	0.021	77.509	TRUE	1.09E-17
FEV1	GALNS	cg02724461	rs6500502	A	G	-0.131	0.023	0.488	1.68E-08	-0.004	0.002	0.061	0.009	31.815	TRUE	5.62E-08
FEV1	GALNS	cg02724461	rs8050636	T	C	-0.208	0.032	0.162	4.88E-11	-0.013	0.003	3.93E-05	0.012	43.201	TRUE	8.39E-10
FEV1	GALNS	cg04364752	rs3784883	T	C	0.276	0.027	0.257	2.12E-24	0.002	0.003	0.475	0.027	103.850	TRUE	1.16E-23
FEV1	GALNS	cg04458924	rs113797435	T	G	0.413	0.054	0.054	2.56E-14	0.002	0.005	0.705	0.015	58.019	TRUE	5.29E-14
FEV1	GALNS	cg04458924	rs141712769	C	T	0.430	0.062	0.040	5.27E-12	0.014	0.007	0.038	0.013	47.557	TRUE	2.93E-11
FEV1	GALNS	cg04458924	rs144243016	G	A	0.387	0.054	0.051	5.71E-13	0.002	0.005	0.690	0.014	51.916	TRUE	1.11E-12
FEV1	GALNS	cg04458924	rs2306050	T	C	0.158	0.029	0.216	4.30E-08	0.005	0.003	0.078	0.008	29.991	TRUE	1.33E-07
FEV1	GALNS	cg04458924	rs3826066	C	T	0.483	0.024	0.362	2.80E-91	0.004	0.003	0.082	0.100	410.313	TRUE	6.95E-86
FEV1	GALNS	cg04458924	rs4782336	C	A	0.143	0.023	0.457	9.93E-10	0.009	0.002	2.01E-04	0.010	37.319	TRUE	1.07E-08
FEV1	GALNS	cg04458924	rs77206885	G	A	0.262	0.046	0.068	1.83E-08	0.003	0.005	0.540	0.008	31.653	TRUE	3.14E-08
FEV1	GALNS	cg04551282	rs12597726	A	G	0.142	0.026	0.307	3.92E-08	0.002	0.003	0.339	0.008	30.174	TRUE	7.81E-08
FEV1	GALNS	cg04551282	rs142099589	A	C	0.574	0.075	0.027	2.28E-14	0.000	0.008	0.962	0.016	58.245	TRUE	3.70E-14
FEV1	GALNS	cg04551282	rs2306050	T	C	0.258	0.029	0.216	8.99E-19	0.005	0.003	0.078	0.021	78.228	TRUE	7.71E-18
FEV1	GALNS	cg04551282	rs3826070	G	C	0.493	0.024	0.361	2.69E-92	0.004	0.003	0.073	0.101	414.987	TRUE	8.78E-87
FEV1	GALNS	cg04551282	rs4782336	C	A	0.140	0.024	0.457	4.19E-09	0.009	0.002	2.01E-04	0.009	34.515	TRUE	4.08E-08
FEV1	GALNS	cg04551282	rs6500517	C	A	0.373	0.053	0.059	2.40E-12	0.016	0.006	0.007	0.013	49.101	TRUE	2.10E-11
FEV1	GALNS	cg05256999	rs7188107	T	G	-0.182	0.025	0.316	6.11E-13	0.003	0.003	0.316	0.014	51.783	TRUE	1.79E-12
FEV1	GALNS	cg05397122	rs117384401	A	G	-0.430	0.077	0.045	2.76E-08	0.004	0.006	0.502	0.008	30.851	TRUE	4.84E-08
FEV1	GALNS	cg05397122	rs3743546	G	A	-0.291	0.026	0.309	4.15E-29	0.004	0.003	0.098	0.033	125.335	TRUE	9.03E-28
FEV1	GALNS	cg05397122	rs563013384	T	C	-1.677	0.087	0.030	9.90E-83	0.000	0.007	0.955	0.091	371.069	TRUE	2.46E-79
FEV1	GALNS	cg05943860	rs144243016	G	A	-0.456	0.054	0.051	4.47E-17	0.002	0.005	0.690	0.019	70.519	TRUE	1.10E-16
FEV1	GALNS	cg05943860	rs2161730	G	A	-0.456	0.026	0.301	5.26E-71	0.002	0.003	0.351	0.079	317.259	TRUE	8.97E-68
FEV1	GALNS	cg05943860	rs2306050	T	C	-0.221	0.029	0.216	3.81E-14	0.005	0.003	0.078	0.015	57.235	TRUE	2.10E-13
FEV1	GALNS	cg05943860	rs516137	C	T	-0.185	0.032	0.173	7.76E-09	0.006	0.003	0.051	0.009	33.317	TRUE	2.89E-08
FEV1	GALNS	cg05943860	rs753602	T	C	0.174	0.026	0.285	1.26E-11	-0.006	0.003	0.029	0.012	45.849	TRUE	7.07E-11
FEV1	GALNS	cg05943860	rs77206885	G	A	-0.305	0.047	0.068	8.34E-11	0.003	0.005	0.540	0.011	42.155	TRUE	1.64E-10
FEV1	GALNS	cg06062279	rs6500515	G	A	0.161	0.029	0.211	3.73E-08	0.006	0.003	0.032	0.008	30.271	TRUE	1.41E-07
FEV1	GALNS	cg06062279	rs837763	C	T	0.139	0.024	0.445	3.79E-09	0.003	0.002	0.157	0.009	34.708	TRUE	1.05E-08
FEV1	GALNS	cg06526420	rs117742652	A	G	0.453	0.079	0.039	1.08E-08	-0.004	0.006	0.561	0.009	32.680	TRUE	1.86E-08
FEV1	GALNS	cg06526420	rs2306050	T	C	-0.184	0.029	0.216	2.83E-10	0.005	0.003	0.078	0.011	39.768	TRUE	1.08E-09
FEV1	GALNS	cg06526420	rs4592657	G	A	-0.228	0.039	0.105	6.48E-09	0.006	0.004	0.113	0.009	33.666	TRUE	1.98E-08
FEV1	GALNS	cg06526420	rs7499525	T	C	-0.175	0.028	0.239	3.11E-10	0.011	0.003	9.61E-05	0.011	39.585	TRUE	4.14E-09
FEV1	GALNS	cg06526420	rs8045567	A	G	0.137	0.024	0.401	9.95E-09	-0.008	0.002	6.91E-04	0.009	32.833	TRUE	7.98E-08
FEV1	GALNS	cg06526420	rs8054994	T	G	-0.375	0.026	0.288	1.78E-46	0.005	0.003	0.074	0.052	204.794	TRUE	3.53E-44
FEV1	GALNS	cg06680609	rs147408884	T	C	-0.826	0.087	0.029	3.13E-21	-0.001	0.007	0.886	0.024	89.408	TRUE	8.05E-21
FEV1	GALNS	cg06941554	rs117577078	G	A	-1.098	0.087	0.031	2.77E-36	-0.003	0.007	0.656	0.041	158.134	TRUE	3.11E-35
FEV1	GALNS	cg06941554	rs12930286	T	C	0.185	0.025	0.333	2.14E-13	0.005	0.003	0.073	0.014	53.846	TRUE	1.13E-12

FEV1	GALNS	cg06941554	rs148375912	A	G	0.533	0.095	0.018	2.40E-08	0.029	0.008	3.94E-04	0.008	31.126	TRUE	1.95E-07
FEV1	GALNS	cg07731312	rs3859025	T	C	0.195	0.024	0.366	1.29E-15	0.004	0.003	0.084	0.017	63.901	TRUE	7.93E-15
FEV1	GALNS	cg07774081	rs11076715	T	C	0.404	0.027	0.272	5.23E-52	0.006	0.003	0.018	0.059	230.138	TRUE	4.84E-49
FEV1	GALNS	cg07774081	rs147668693	A	G	0.316	0.056	0.049	1.48E-08	0.001	0.005	0.923	0.009	32.061	TRUE	1.93E-08
FEV1	GALNS	cg07947266	rs1141390	G	A	-0.163	0.025	0.329	1.01E-10	0.006	0.003	0.016	0.011	41.785	TRUE	5.89E-10
FEV1	GALNS	cg07947266	rs3759946	G	C	-0.436	0.054	0.055	9.60E-16	0.002	0.005	0.746	0.017	64.476	TRUE	2.07E-15
FEV1	GALNS	cg08136432	rs1646239	G	C	0.235	0.040	0.203	4.03E-09	-0.001	0.003	0.661	0.009	34.592	TRUE	6.49E-09
FEV1	GALNS	cg08136432	rs2879898	T	C	-0.157	0.025	0.352	2.58E-10	0.006	0.003	0.020	0.011	39.950	TRUE	1.38E-09
FEV1	GALNS	cg08136432	rs3784879	C	G	-0.583	0.024	0.369	1.83E-131	0.005	0.003	0.055	0.139	594.904	TRUE	5.94E-122
FEV1	GALNS	cg08136432	rs7194471	T	C	-0.445	0.065	0.061	5.43E-12	0.008	0.004	0.051	0.013	47.501	TRUE	2.78E-11
FEV1	GALNS	cg08136432	rs78408219	A	T	-1.253	0.041	0.084	5.79E-205	0.001	0.004	0.815	0.201	932.752	TRUE	9.96E-188
FEV1	GALNS	cg08136432	rs8050636	T	C	0.276	0.031	0.162	1.65E-18	-0.013	0.003	3.93E-05	0.020	77.032	TRUE	9.29E-17
FEV1	GALNS	cg09308897	rs111504162	A	G	-0.278	0.037	0.119	3.73E-14	-0.017	0.004	1.61E-06	0.015	57.273	TRUE	1.78E-12
FEV1	GALNS	cg09308897	rs113096685	T	C	-0.281	0.047	0.069	2.18E-09	-0.021	0.005	9.96E-06	0.010	35.783	TRUE	3.34E-08
FEV1	GALNS	cg09308897	rs11640595	T	C	0.667	0.062	0.042	8.36E-27	0.015	0.007	0.026	0.030	114.818	TRUE	2.56E-25
FEV1	GALNS	cg09308897	rs118132614	C	T	0.576	0.056	0.046	9.02E-25	0.000	0.005	0.939	0.028	105.544	TRUE	2.71E-24
FEV1	GALNS	cg09308897	rs12444543	G	A	0.864	0.023	0.286	<1E-200	0.002	0.003	0.524	0.277	1417.445	TRUE	8.97E-274
FEV1	GALNS	cg09308897	rs12444871	T	C	0.258	0.042	0.099	6.77E-10	0.006	0.004	0.186	0.010	38.066	TRUE	1.92E-09
FEV1	GALNS	cg09308897	rs146593560	G	T	-1.020	0.124	0.018	1.98E-16	0.025	0.009	0.003	0.018	67.590	TRUE	3.37E-15
FEV1	GALNS	cg09308897	rs147668693	A	G	0.769	0.056	0.049	2.00E-43	0.001	0.005	0.923	0.049	190.820	TRUE	2.89E-42
FEV1	GALNS	cg09308897	rs2306050	T	C	0.392	0.029	0.216	1.41E-41	0.005	0.003	0.078	0.047	182.351	TRUE	1.42E-39
FEV1	GALNS	cg09308897	rs2911268	A	G	0.269	0.030	0.189	7.71E-19	0.006	0.003	0.048	0.021	78.529	TRUE	7.72E-18
FEV1	GALNS	cg09308897	rs34278797	A	G	0.662	0.109	0.025	1.06E-09	0.004	0.007	0.616	0.010	37.191	TRUE	1.84E-09
FEV1	GALNS	cg09308897	rs34308486	C	A	0.201	0.026	0.316	4.03E-15	0.002	0.003	0.397	0.016	61.653	TRUE	1.24E-14
FEV1	GALNS	cg09308897	rs507540	A	G	-0.241	0.034	0.319	1.29E-12	-0.001	0.003	0.717	0.013	50.314	TRUE	2.37E-12
FEV1	GALNS	cg09308897	rs533581	C	T	-0.258	0.024	0.398	1.31E-27	-0.005	0.002	0.038	0.031	118.486	TRUE	3.80E-26
FEV1	GALNS	cg09308897	rs555812	G	T	-0.231	0.039	0.225	2.42E-09	0.001	0.003	0.659	0.010	35.582	TRUE	3.96E-09
FEV1	GALNS	cg09308897	rs56401214	G	A	-1.559	0.089	0.022	3.42E-68	0.019	0.008	0.012	0.076	304.349	TRUE	5.24E-64
FEV1	GALNS	cg09308897	rs62045845	G	T	-0.193	0.025	0.318	1.87E-14	-0.009	0.003	3.72E-04	0.016	58.628	TRUE	3.87E-13
FEV1	GALNS	cg09308897	rs71395331	G	C	0.537	0.087	0.035	8.00E-10	-0.007	0.006	0.244	0.010	37.741	TRUE	2.07E-09
FEV1	GALNS	cg09308897	rs7199959	C	T	0.317	0.028	0.224	1.29E-29	0.010	0.003	4.34E-04	0.033	127.657	TRUE	2.15E-27
FEV1	GALNS	cg09308897	rs8048125	T	C	-0.187	0.025	0.308	1.84E-13	0.005	0.003	0.060	0.014	54.139	TRUE	1.07E-12
FEV1	GALNS	cg09308897	rs8191469	T	G	-0.297	0.053	0.064	1.60E-08	0.006	0.005	0.237	0.009	31.907	TRUE	3.76E-08
FEV1	GALNS	cg09807356	rs118132614	C	T	0.442	0.056	0.046	4.10E-15	0.000	0.005	0.939	0.016	61.618	TRUE	7.04E-15
FEV1	GALNS	cg09807356	rs12597751	T	G	0.174	0.026	0.303	1.80E-11	0.003	0.003	0.341	0.012	45.157	TRUE	4.62E-11
FEV1	GALNS	cg09807356	rs12934499	T	C	0.594	0.027	0.256	8.61E-111	0.002	0.003	0.512	0.119	499.927	TRUE	1.43E-104
FEV1	GALNS	cg09807356	rs141712769	C	T	0.412	0.063	0.040	5.97E-11	0.014	0.007	0.038	0.011	42.808	TRUE	2.96E-10
FEV1	GALNS	cg09807356	rs142277106	C	G	0.497	0.054	0.051	3.86E-20	0.003	0.005	0.641	0.022	84.447	TRUE	1.23E-19
FEV1	GALNS	cg09807356	rs2306050	T	C	0.287	0.029	0.216	8.74E-23	0.005	0.003	0.078	0.025	96.490	TRUE	1.11E-21
FEV1	GALNS	cg09807356	rs4782335	T	C	0.170	0.028	0.237	1.24E-09	0.010	0.003	4.34E-04	0.010	36.891	TRUE	1.22E-08
FEV1	GALNS	cg09807356	rs8049644	C	T	0.146	0.025	0.334	7.95E-09	0.006	0.003	0.021	0.009	33.268	TRUE	3.59E-08
FEV1	GALNS	cg09807356	rs8050636	T	C	-0.222	0.032	0.162	2.21E-12	-0.013	0.003	3.93E-05	0.013	49.264	TRUE	4.75E-11

FEV1	GALNS	cg16582469	rs112256026	T	C	-0.288	0.052	0.055	3.90E-08	-0.019	0.005	1.15E-04	0.008	30.183	TRUE	3.60E-07
FEV1	GALNS	cg16582469	rs11640595	T	C	0.873	0.062	0.042	3.10E-45	0.015	0.007	0.026	0.051	199.104	TRUE	9.19E-43
FEV1	GALNS	cg16582469	rs11641448	C	T	-0.199	0.027	0.266	1.09E-13	-0.013	0.003	2.00E-06	0.015	55.177	TRUE	4.81E-12
FEV1	GALNS	cg16582469	rs118132614	C	T	0.693	0.056	0.046	2.43E-35	0.000	0.005	0.939	0.040	153.823	TRUE	1.63E-34
FEV1	GALNS	cg16582469	rs2306050	T	C	0.418	0.029	0.216	2.97E-47	0.005	0.003	0.078	0.053	208.354	TRUE	6.11E-45
FEV1	GALNS	cg16582469	rs258331	G	T	0.278	0.040	0.102	6.05E-12	0.011	0.004	0.007	0.013	47.287	TRUE	4.83E-11
FEV1	GALNS	cg16582469	rs2911451	A	G	0.264	0.033	0.401	5.43E-16	-0.001	0.002	0.746	0.017	65.598	TRUE	1.19E-15
FEV1	GALNS	cg16582469	rs34278797	A	G	0.954	0.108	0.025	9.87E-19	0.004	0.007	0.616	0.021	78.044	TRUE	2.95E-18
FEV1	GALNS	cg16582469	rs35432452	G	C	0.321	0.034	0.141	3.79E-21	0.010	0.003	0.003	0.024	89.031	TRUE	1.17E-19
FEV1	GALNS	cg16582469	rs4782335	T	C	0.312	0.028	0.237	3.79E-29	0.010	0.003	4.34E-04	0.033	125.517	TRUE	5.92E-27
FEV1	GALNS	cg16582469	rs507540	A	G	-0.272	0.034	0.319	1.13E-15	-0.001	0.003	0.717	0.017	64.163	TRUE	2.45E-15
FEV1	GALNS	cg16582469	rs555812	G	T	-0.226	0.039	0.225	5.16E-09	0.001	0.003	0.659	0.009	34.109	TRUE	8.30E-09
FEV1	GALNS	cg16582469	rs559187	T	C	-0.293	0.044	0.164	2.17E-11	0.011	0.003	5.17E-04	0.012	44.786	TRUE	2.80E-10
FEV1	GALNS	cg16582469	rs62047770	A	C	-0.247	0.025	0.321	5.16E-23	-0.009	0.003	2.69E-04	0.026	97.534	TRUE	3.58E-21
FEV1	GALNS	cg16582469	rs71395331	G	C	0.560	0.087	0.035	1.34E-10	-0.007	0.006	0.244	0.011	41.220	TRUE	3.69E-10
FEV1	GALNS	cg16582469	rs71395333	T	C	0.853	0.052	0.092	1.71E-59	-0.004	0.004	0.270	0.067	264.457	TRUE	7.07E-57
FEV1	GALNS	cg16582469	rs7198060	C	T	0.173	0.028	0.242	4.79E-10	0.006	0.003	0.021	0.010	38.742	TRUE	2.44E-09
FEV1	GALNS	cg16582469	rs725332	T	C	-0.234	0.039	0.099	1.30E-09	-0.004	0.004	0.295	0.010	36.787	TRUE	3.10E-09
FEV1	GALNS	cg16582469	rs76098020	A	G	-0.332	0.053	0.055	4.79E-10	0.004	0.005	0.461	0.010	38.741	TRUE	9.76E-10
FEV1	GALNS	cg16582469	rs8049644	C	T	0.227	0.025	0.334	1.95E-19	0.006	0.003	0.021	0.021	81.244	TRUE	2.87E-18
FEV1	GALNS	cg16582469	rs8050636	T	C	-0.411	0.031	0.162	1.92E-39	-0.013	0.003	3.93E-05	0.045	172.585	TRUE	2.59E-36
FEV1	GALNS	cg16582469	rs8191463	C	T	0.965	0.023	0.256	<1E-200	0.004	0.003	0.142	0.319	1732.568	TRUE	<1E-200
FEV1	GALNS	cg16688112	rs28656031	G	A	-0.161	0.025	0.345	1.61E-10	0.007	0.003	0.010	0.011	40.873	TRUE	1.04E-09
FEV1	GALNS	cg16688112	rs8059583	T	C	-0.669	0.085	0.027	3.26E-15	0.027	0.008	9.42E-04	0.017	62.070	TRUE	6.23E-14
FEV1	GALNS	cg16802439	rs3889834	C	T	0.168	0.027	0.262	3.53E-10	0.002	0.003	0.493	0.011	39.338	TRUE	7.09E-10
FEV1	GALNS	cg20364025	rs12597726	A	G	0.150	0.026	0.307	6.70E-09	0.002	0.003	0.339	0.009	33.603	TRUE	1.41E-08
FEV1	GALNS	cg20364025	rs13337256	G	A	0.378	0.027	0.259	1.05E-44	0.002	0.003	0.409	0.050	196.674	TRUE	4.72E-43
FEV1	GALNS	cg20364025	rs140355859	T	C	0.335	0.055	0.051	8.41E-10	0.003	0.005	0.599	0.010	37.643	TRUE	1.48E-09
FEV1	GALNS	cg20364025	rs2306050	T	C	0.184	0.029	0.216	3.34E-10	0.005	0.003	0.078	0.011	39.443	TRUE	1.27E-09
FEV1	GALNS	cg26817641	rs1141390	G	A	-0.925	0.021	0.329	<1E-200	0.006	0.003	0.016	0.351	2002.328	TRUE	<1E-200
FEV1	GALNS	cg26817641	rs11640595	T	C	-0.768	0.062	0.042	3.45E-35	0.015	0.007	0.026	0.040	153.123	TRUE	2.83E-33
FEV1	GALNS	cg26817641	rs11641448	C	T	0.150	0.027	0.266	2.26E-08	-0.013	0.003	2.00E-06	0.008	31.242	TRUE	3.55E-07
FEV1	GALNS	cg26817641	rs116971855	G	T	0.430	0.074	0.023	5.41E-09	0.022	0.007	0.002	0.009	34.018	TRUE	3.66E-08
FEV1	GALNS	cg26817641	rs118132614	C	T	-0.600	0.056	0.046	8.69E-27	0.000	0.005	0.939	0.030	114.742	TRUE	3.00E-26
FEV1	GALNS	cg26817641	rs144243016	G	A	-0.800	0.054	0.051	9.05E-50	0.002	0.005	0.690	0.056	219.881	TRUE	3.88E-48
FEV1	GALNS	cg26817641	rs2306050	T	C	-0.389	0.029	0.216	4.61E-41	0.005	0.003	0.078	0.046	180.000	TRUE	4.36E-39
FEV1	GALNS	cg26817641	rs258331	G	T	-0.227	0.040	0.102	1.91E-08	0.011	0.004	0.007	0.008	31.569	TRUE	9.79E-08
FEV1	GALNS	cg26817641	rs34060566	A	C	0.140	0.024	0.360	6.12E-09	-0.004	0.003	0.118	0.009	33.777	TRUE	1.84E-08
FEV1	GALNS	cg26817641	rs34278797	A	G	-0.884	0.108	0.025	2.91E-16	0.004	0.007	0.616	0.018	66.830	TRUE	7.41E-16
FEV1	GALNS	cg26817641	rs34387772	T	C	0.152	0.026	0.271	3.80E-09	-0.005	0.003	0.058	0.009	34.705	TRUE	1.43E-08
FEV1	GALNS	cg26817641	rs35432452	G	C	-0.238	0.034	0.141	2.94E-12	0.010	0.003	0.003	0.013	48.704	TRUE	2.95E-11
FEV1	GALNS	cg26817641	rs3743548	G	C	-0.720	0.055	0.055	2.86E-39	0.004	0.005	0.413	0.044	171.797	TRUE	6.76E-38

FEV1	GALNS	cg26817641	rs4782509	T	C	0.186	0.024	0.379	1.20E-14	-0.003	0.002	0.291	0.016	59.497	TRUE	4.26E-14
FEV1	GALNS	cg26817641	rs550269	T	C	0.362	0.044	0.163	1.12E-16	0.011	0.003	0.001	0.018	68.708	TRUE	2.67E-15
FEV1	GALNS	cg26817641	rs62047770	A	C	0.236	0.025	0.321	3.86E-21	-0.009	0.003	2.69E-04	0.023	88.997	TRUE	2.07E-19
FEV1	GALNS	cg26817641	rs71395331	G	C	-0.745	0.087	0.035	9.09E-18	-0.007	0.006	0.244	0.020	73.661	TRUE	4.38E-17
FEV1	GALNS	cg26817641	rs7188277	C	T	-0.193	0.031	0.181	3.78E-10	0.000	0.003	0.930	0.010	39.201	TRUE	5.25E-10
FEV1	GALNS	cg26817641	rs7499525	T	C	-0.296	0.028	0.239	1.41E-26	0.011	0.003	9.61E-05	0.030	113.783	TRUE	2.19E-24
FEV1	GALNS	cg26817641	rs8048125	T	C	0.156	0.025	0.308	8.42E-10	0.005	0.003	0.060	0.010	37.640	TRUE	3.38E-09
FEV1	GALNS	cg26817641	rs8049644	C	T	-0.227	0.025	0.334	2.06E-19	0.006	0.003	0.021	0.021	81.133	TRUE	3.03E-18
FEV1	GALNS	cg26817641	rs8050636	T	C	0.385	0.031	0.162	1.26E-34	-0.013	0.003	3.93E-05	0.039	150.556	TRUE	8.04E-32
FEV1	GALNS	cg26817641	rs897958	G	A	-0.502	0.041	0.287	7.36E-35	-0.003	0.003	0.226	0.039	151.622	TRUE	1.74E-33
FEV1	GALNS	cg26817641	rs9939260	G	C	0.175	0.029	0.193	1.09E-09	0.009	0.003	0.002	0.010	37.128	TRUE	8.54E-09
FEV1	GATA2	cg00241663	rs2253720	T	C	-0.144	0.023	0.458	7.96E-10	-0.001	0.002	0.604	0.010	37.750	TRUE	1.42E-09
FEV1	GATA2	cg00241663	rs62270949	T	C	-0.383	0.062	0.036	9.03E-10	0.005	0.006	0.443	0.010	37.503	TRUE	1.85E-09
FEV1	GATA2	cg03839949	rs12494136	C	T	-0.166	0.026	0.277	3.84E-10	-0.007	0.003	0.010	0.010	39.172	TRUE	2.35E-09
FEV1	GATA2	cg03839949	rs2713576	A	G	-0.170	0.024	0.422	9.43E-13	0.002	0.002	0.410	0.014	50.933	TRUE	2.43E-12
FEV1	GATA2	cg03839949	rs73203424	T	C	-0.613	0.063	0.036	3.29E-22	0.005	0.006	0.436	0.025	93.869	TRUE	1.62E-21
FEV1	GATA2	cg04535236	rs115516304	A	G	0.539	0.076	0.026	1.32E-12	0.005	0.007	0.511	0.013	50.269	TRUE	3.01E-12
FEV1	GATA2	cg04535236	rs11713343	A	G	0.246	0.042	0.187	5.82E-09	0.001	0.003	0.675	0.009	33.876	TRUE	9.22E-09
FEV1	GATA2	cg04535236	rs2659699	T	C	-0.342	0.024	0.383	7.10E-46	0.001	0.002	0.668	0.052	202.038	TRUE	2.03E-44
FEV1	GATA2	cg04535236	rs2811402	G	T	-0.149	0.024	0.459	2.83E-10	-0.002	0.002	0.410	0.011	39.767	TRUE	6.20E-10
FEV1	GATA2	cg04535236	rs55683935	G	T	0.671	0.070	0.034	1.22E-21	0.012	0.006	0.041	0.024	91.272	TRUE	1.80E-20
FEV1	GATA2	cg04535236	rs55686439	A	C	0.748	0.029	0.202	6.30E-147	0.004	0.003	0.143	0.153	665.962	TRUE	4.45E-136
FEV1	GATA2	cg04535236	rs56165381	G	A	-0.219	0.024	0.379	1.06E-19	-0.004	0.002	0.077	0.022	82.441	TRUE	1.03E-18
FEV1	GATA2	cg04535236	rs6439140	T	C	0.240	0.025	0.316	3.15E-21	0.003	0.003	0.261	0.024	89.396	TRUE	2.01E-20
FEV1	GATA2	cg04535236	rs72983369	A	G	0.465	0.082	0.023	1.49E-08	-0.009	0.008	0.235	0.009	32.048	TRUE	3.54E-08
FEV1	GATA2	cg04535236	rs78195106	T	A	0.392	0.064	0.040	8.26E-10	-0.004	0.006	0.570	0.010	37.676	TRUE	1.50E-09
FEV1	GATA2	cg04535236	rs9819632	T	C	-0.239	0.042	0.082	1.20E-08	-0.004	0.004	0.290	0.009	32.472	TRUE	2.65E-08
FEV1	GATA2	cg04535236	rs9854897	C	A	-0.246	0.030	0.199	1.31E-16	-0.001	0.006	0.828	0.018	68.407	TRUE	2.72E-16
FEV1	GATA2	cg06796779	rs7620408	T	C	-0.198	0.033	0.141	2.63E-09	-0.009	0.003	0.009	0.009	35.425	TRUE	1.47E-08
FEV1	GATA2	cg07195926	rs7629791	A	G	-0.130	0.023	0.474	2.08E-08	0.003	0.002	0.151	0.008	31.404	TRUE	5.69E-08
FEV1	GATA2	cg07841173	rs2713594	A	G	-0.306	0.023	0.419	9.67E-39	-0.004	0.002	0.077	0.044	169.376	TRUE	6.84E-37
FEV1	GATA2	cg07841173	rs2713599	A	C	0.136	0.024	0.443	8.01E-09	0.000	0.002	0.904	0.009	33.255	TRUE	1.07E-08
FEV1	GATA2	cg07841173	rs2981027	T	A	-0.241	0.043	0.160	1.96E-08	-0.005	0.003	0.160	0.008	31.513	TRUE	5.19E-08
FEV1	GATA2	cg07841173	rs34870876	G	C	0.351	0.050	0.061	2.49E-12	0.009	0.005	0.058	0.013	49.030	TRUE	1.25E-11
FEV1	GATA2	cg07841173	rs72987210	T	C	-0.193	0.027	0.250	2.02E-12	-0.006	0.003	0.022	0.013	49.438	TRUE	1.35E-11
FEV1	GATA2	cg07841173	rs73203424	T	C	-1.101	0.062	0.036	1.19E-69	0.005	0.006	0.436	0.078	311.042	TRUE	1.32E-66
FEV1	GATA2	cg07841173	rs73862214	G	T	0.490	0.084	0.023	4.96E-09	-0.009	0.008	0.263	0.009	34.185	TRUE	1.18E-08
FEV1	GATA2	cg13483882	rs4857909	A	G	0.212	0.037	0.113	8.82E-09	-0.005	0.004	0.217	0.009	33.068	TRUE	2.20E-08
FEV1	GATA2	cg13483882	rs62270949	T	C	-0.406	0.063	0.036	1.01E-10	0.005	0.006	0.443	0.011	41.773	TRUE	2.20E-10
FEV1	GATA2	cg13483882	rs7433900	A	G	0.226	0.030	0.194	2.79E-14	-0.007	0.003	0.016	0.015	57.843	TRUE	2.56E-13
FEV1	GATA2	cg13483882	rs7629791	A	G	-0.322	0.023	0.474	4.05E-43	0.003	0.002	0.151	0.049	189.416	TRUE	3.43E-41
FEV1	GATA2	cg15038286	rs115516304	A	G	0.590	0.076	0.026	8.38E-15	0.005	0.007	0.511	0.016	60.211	TRUE	2.19E-14

FEV1	GATA2	cg15038286	rs2335660	T	G	0.298	0.025	0.337	2.09E-32	-0.002	0.003	0.449	0.037	140.406	TRUE	2.37E-31
FEV1	GATA2	cg15038286	rs2811366	G	T	0.130	0.024	0.442	4.21E-08	0.004	0.002	0.103	0.008	30.032	TRUE	1.21E-07
FEV1	GATA2	cg15038286	rs3935016	T	C	0.260	0.025	0.318	7.77E-25	0.003	0.003	0.282	0.028	105.839	TRUE	6.26E-24
FEV1	GATA2	cg15038286	rs55683935	G	T	0.585	0.070	0.034	9.37E-17	0.012	0.006	0.041	0.018	69.060	TRUE	8.33E-16
FEV1	GATA2	cg15038286	rs55686439	A	C	0.752	0.029	0.202	2.10E-148	0.004	0.003	0.143	0.154	672.748	TRUE	2.23E-137
FEV1	GATA2	cg15038286	rs56165381	G	A	-0.228	0.024	0.379	3.48E-21	-0.004	0.002	0.077	0.024	89.200	TRUE	3.89E-20
FEV1	GATA2	cg15038286	rs72983369	A	G	0.492	0.082	0.023	2.06E-09	-0.009	0.008	0.235	0.010	35.895	TRUE	5.24E-09
FEV1	GATA2	cg15038286	rs7627162	A	G	-0.203	0.035	0.121	9.03E-09	-0.003	0.004	0.387	0.009	33.022	TRUE	1.82E-08
FEV1	GATA2	cg15038286	rs7629791	A	G	0.343	0.023	0.474	8.52E-49	0.003	0.002	0.151	0.055	215.418	TRUE	1.46E-46
FEV1	GATA2	cg15038286	rs78195106	T	A	0.420	0.064	0.040	4.60E-11	-0.004	0.006	0.570	0.012	43.317	TRUE	9.00E-11
FEV1	GATA2	cg15038286	rs9854897	C	A	-0.223	0.030	0.199	5.58E-14	-0.001	0.006	0.828	0.015	56.484	TRUE	1.01E-13
FEV1	GATA2	cg19638477	rs7629791	A	G	-0.143	0.024	0.474	1.38E-09	0.003	0.002	0.151	0.010	36.681	TRUE	4.19E-09
FEV1	GATA2	cg22801992	rs2713576	A	G	-0.228	0.024	0.422	6.44E-22	0.002	0.002	0.410	0.024	92.540	TRUE	3.23E-21
FEV1	GATA2	cg22801992	rs7611275	G	C	-0.428	0.064	0.035	2.36E-11	0.004	0.006	0.477	0.012	44.625	TRUE	5.12E-11
FEV1	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	0.002	0.003	0.348	0.009	33.308	TRUE	1.63E-08
FEV1	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	-0.015	0.004	6.17E-04	0.008	30.032	TRUE	3.10E-07
FEV1	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	-0.002	0.003	0.432	0.009	32.422	TRUE	2.38E-08
FEV1	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	-0.025	0.007	4.62E-04	0.011	42.684	TRUE	7.41E-10
FEV1	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	0.006	0.002	0.016	0.013	48.719	TRUE	2.10E-11
FEV1	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	-0.017	0.004	2.63E-05	0.073	291.545	TRUE	2.69E-60
FEV1	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	-0.005	0.008	0.501	0.010	36.633	TRUE	2.68E-09
FEV1	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	0.004	0.003	0.140	0.010	36.929	TRUE	3.71E-09
FEV1	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	-0.004	0.003	0.153	0.010	37.019	TRUE	3.49E-09
FEV1	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	-0.010	0.002	7.47E-06	0.008	30.384	TRUE	4.51E-07
FEV1	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	-0.004	0.004	0.231	0.009	35.350	TRUE	6.88E-09
FEV1	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	0.004	0.003	0.100	0.073	293.103	TRUE	2.35E-62
FEV1	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	0.001	0.003	0.678	0.012	46.222	TRUE	1.93E-11
FEV1	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	-0.004	0.003	0.102	0.020	73.634	TRUE	6.52E-17
FEV1	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	-0.003	0.003	0.254	0.021	81.272	TRUE	1.03E-18
FEV1	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	0.004	0.003	0.163	0.024	92.119	TRUE	6.46E-21
FEV1	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	0.001	0.003	0.640	0.017	65.797	TRUE	1.21E-15
FEV1	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	-0.015	0.004	5.74E-04	0.012	44.362	TRUE	3.25E-10
FEV1	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	-0.003	0.002	0.211	0.017	64.427	TRUE	4.33E-15
FEV1	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	0.002	0.002	0.404	0.013	49.592	TRUE	4.73E-12
FEV1	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	-0.010	0.004	0.017	0.010	35.790	TRUE	1.09E-08
FEV1	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	-0.001	0.003	0.817	0.019	71.662	TRUE	5.48E-17
FEV1	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	0.006	0.003	0.033	0.011	40.186	TRUE	1.08E-09
FEV1	GATA4	cg12395012	rs11250153	C	G	-0.348	0.026	0.376	6.38E-41	-0.007	0.002	0.003	0.046	179.356	TRUE	2.80E-38
FEV1	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	0.012	0.002	1.27E-06	0.093	378.746	TRUE	3.55E-77
FEV1	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	-0.002	0.003	0.432	0.016	60.757	TRUE	1.87E-14
FEV1	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	0.007	0.002	0.005	0.030	115.655	TRUE	3.26E-25
FEV1	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	0.006	0.003	0.053	0.037	144.038	TRUE	1.48E-31

FEV1	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	0.000	0.003	0.932	0.060	236.695	TRUE	8.28E-52
FEV1	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	0.002	0.003	0.348	0.012	43.068	TRUE	1.27E-10
FEV1	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	0.010	0.003	4.13E-04	0.036	139.849	TRUE	6.46E-30
FEV1	GATA4	cg12395012	rs17796285	C	G	0.256	0.026	0.373	1.70E-23	0.006	0.002	0.011	0.026	99.728	TRUE	4.83E-22
FEV1	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	-0.003	0.003	0.189	0.034	129.571	TRUE	8.11E-29
FEV1	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	0.002	0.002	0.395	0.012	45.010	TRUE	4.58E-11
FEV1	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	-0.002	0.003	0.505	0.022	82.740	TRUE	3.34E-19
FEV1	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	-0.004	0.003	0.075	0.023	88.204	TRUE	6.12E-20
FEV1	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	0.006	0.002	0.012	0.378	2251.154	TRUE	<1E-200
FEV1	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	-0.008	0.008	0.305	0.008	30.198	TRUE	8.15E-08
FEV1	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	-0.008	0.004	0.042	0.016	58.439	TRUE	1.42E-13
FEV1	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	-0.005	0.002	0.028	0.020	74.471	TRUE	6.93E-17
FEV1	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.004	0.004	0.263	0.011	39.772	TRUE	7.44E-10
FEV1	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	-0.006	0.003	0.051	0.026	99.007	TRUE	3.87E-22
FEV1	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	0.012	0.005	0.011	0.018	66.474	TRUE	4.26E-15
FEV1	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	-0.004	0.005	0.419	0.014	50.905	TRUE	2.40E-12
FEV1	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	-0.004	0.004	0.295	0.015	57.079	TRUE	1.34E-13
FEV1	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	-0.002	0.006	0.761	0.011	40.146	TRUE	3.71E-10
FEV1	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.005	0.003	0.098	0.018	69.634	TRUE	4.74E-16
FEV1	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	0.006	0.002	0.008	0.013	48.249	TRUE	2.99E-11
FEV1	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	-0.005	0.003	0.090	0.014	52.642	TRUE	1.89E-12
FEV1	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	-0.003	0.003	0.254	0.037	142.044	TRUE	1.64E-31
FEV1	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	0.007	0.003	0.024	0.039	152.064	TRUE	5.02E-33
FEV1	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.004	0.003	0.215	0.009	32.887	TRUE	2.41E-08
FEV1	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	0.003	0.005	0.585	0.008	30.231	TRUE	6.24E-08
FEV1	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	0.001	0.003	0.638	0.055	213.953	TRUE	7.41E-47
FEV1	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	0.005	0.003	0.125	0.010	38.537	TRUE	1.72E-09
FEV1	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	-0.009	0.002	2.23E-04	0.013	48.501	TRUE	5.47E-11
FEV1	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	0.004	0.003	0.119	0.037	141.186	TRUE	3.99E-31
FEV1	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	0.004	0.002	0.119	0.017	64.131	TRUE	6.52E-15
FEV1	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	-0.004	0.006	0.469	0.009	34.801	TRUE	6.92E-09
FEV1	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	0.006	0.005	0.256	0.009	32.326	TRUE	3.00E-08
FEV1	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	-0.002	0.003	0.374	0.055	216.699	TRUE	3.50E-47
FEV1	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	-0.009	0.005	0.093	0.008	29.788	TRUE	1.41E-07
FEV1	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	0.007	0.003	0.025	0.012	45.412	TRUE	8.96E-11
FEV1	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	0.000	0.005	0.942	0.023	86.920	TRUE	2.57E-20
FEV1	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	0.023	0.008	0.005	0.018	69.543	TRUE	1.21E-15
FEV1	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	-0.003	0.002	0.174	0.011	42.187	TRUE	2.61E-10
FEV1	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	-0.005	0.003	0.101	0.013	49.055	TRUE	1.05E-11
FEV1	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	-0.003	0.003	0.421	0.023	85.330	TRUE	1.06E-19
FEV1	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	0.012	0.003	5.49E-07	0.013	48.665	TRUE	1.07E-10
FEV1	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	0.001	0.004	0.874	0.010	35.815	TRUE	3.01E-09

FEV1	GATA4	cg13293535	rs17808884	C	A	-0.184	0.032	0.182	1.11E-08	-0.004	0.003	0.171	0.009	32.618	TRUE	2.92E-08
FEV1	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	0.007	0.002	0.002	0.012	45.548	TRUE	1.47E-10
FEV1	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	0.006	0.003	0.063	0.009	34.592	TRUE	1.43E-08
FEV1	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	0.005	0.003	0.028	0.014	52.700	TRUE	2.53E-12
FEV1	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	-0.006	0.003	0.023	0.011	41.898	TRUE	5.17E-10
FEV1	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	-0.008	0.003	0.001	0.013	50.455	TRUE	1.50E-11
FEV1	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	-0.006	0.004	0.175	0.009	32.861	TRUE	2.58E-08
FEV1	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	-0.003	0.002	0.211	0.100	412.571	TRUE	1.03E-86
FEV1	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	0.002	0.002	0.404	0.017	62.753	TRUE	7.12E-15
FEV1	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	0.008	0.003	0.003	0.009	34.832	TRUE	2.34E-08
FEV1	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	0.007	0.003	0.035	0.008	30.565	TRUE	1.19E-07
FEV1	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	-0.015	0.004	5.43E-04	0.023	85.529	TRUE	9.49E-19
FEV1	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	0.004	0.003	0.119	0.008	31.710	TRUE	5.11E-08
FEV1	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	-0.014	0.005	0.002	0.017	62.917	TRUE	3.37E-14
FEV1	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	-0.003	0.003	0.351	0.010	38.618	TRUE	1.19E-09
FEV1	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	0.003	0.003	0.205	0.019	70.206	TRUE	2.56E-16
FEV1	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	-0.008	0.003	0.019	0.010	36.804	TRUE	6.52E-09
FEV1	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	-0.004	0.002	0.145	0.136	581.132	TRUE	9.87E-120
FEV1	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	-0.004	0.003	0.198	0.029	109.872	TRUE	1.10E-24
FEV1	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	-0.002	0.003	0.432	0.010	37.048	TRUE	2.36E-09
FEV1	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	0.002	0.003	0.373	0.020	73.921	TRUE	3.05E-17
FEV1	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	0.008	0.003	0.001	0.015	57.528	TRUE	5.19E-13
FEV1	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	-0.009	0.002	7.51E-05	0.010	37.183	TRUE	1.38E-08
FEV1	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	0.004	0.003	0.155	0.019	70.635	TRUE	2.40E-16
FEV1	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	0.012	0.003	4.00E-06	0.034	131.650	TRUE	1.04E-27
FEV1	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	0.008	0.003	0.014	0.011	40.029	TRUE	1.41E-09
FEV1	GATA4	cg16810626	rs17808884	C	A	0.247	0.032	0.182	1.51E-14	-0.004	0.003	0.171	0.016	59.058	TRUE	6.44E-14
FEV1	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	-0.001	0.003	0.810	0.008	29.970	TRUE	5.97E-08
FEV1	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	-0.002	0.003	0.480	0.013	50.398	TRUE	2.86E-12
FEV1	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	-0.005	0.003	0.056	0.016	60.009	TRUE	6.31E-14
FEV1	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	-0.005	0.003	0.071	0.026	98.171	TRUE	5.15E-22
FEV1	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	-0.006	0.003	0.023	0.010	36.247	TRUE	8.11E-09
FEV1	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	-0.002	0.004	0.570	0.011	40.016	TRUE	4.67E-10
FEV1	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	0.005	0.003	0.059	0.012	44.473	TRUE	1.20E-10
FEV1	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	0.001	0.002	0.805	0.013	46.883	TRUE	1.23E-11
FEV1	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	0.005	0.003	0.032	0.018	68.221	TRUE	1.36E-15
FEV1	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	0.006	0.003	0.030	0.027	100.891	TRUE	1.99E-22
FEV1	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	0.006	0.003	0.036	0.015	57.157	TRUE	2.80E-13
FEV1	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	0.001	0.003	0.640	0.024	91.679	TRUE	3.56E-21
FEV1	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	-0.015	0.004	6.17E-04	0.009	33.368	TRUE	6.26E-08
FEV1	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	-0.001	0.003	0.817	0.033	127.799	TRUE	6.04E-29
FEV1	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	0.006	0.002	0.024	0.016	58.439	TRUE	1.72E-13

FEV1	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	-0.015	0.004	1.17E-04	0.017	63.574	TRUE	4.45E-14
FEV1	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	-0.001	0.002	0.772	0.010	38.738	TRUE	7.46E-10
FEV1	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	-0.017	0.004	3.15E-05	0.025	93.890	TRUE	3.36E-20
FEV1	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	0.024	0.007	8.75E-04	0.008	31.014	TRUE	1.84E-07
FEV1	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	-0.007	0.004	0.074	0.015	56.164	TRUE	3.61E-13
FEV1	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	0.008	0.005	0.072	0.012	43.321	TRUE	1.97E-10
FEV1	GATA4	cg23916205	rs11250153	C	G	-0.205	0.026	0.376	5.34E-15	-0.007	0.002	0.003	0.016	61.098	TRUE	7.94E-14
FEV1	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	0.000	0.002	0.931	0.009	34.839	TRUE	4.71E-09
FEV1	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	-0.006	0.004	0.167	0.023	85.679	TRUE	1.51E-19
FEV1	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	0.005	0.003	0.050	0.008	29.771	TRUE	1.62E-07
FEV1	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	0.001	0.004	0.823	0.023	87.462	TRUE	2.24E-20
FEV1	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	-0.006	0.005	0.192	0.015	57.334	TRUE	1.45E-13
FEV1	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	0.005	0.003	0.119	0.011	40.308	TRUE	7.39E-10
FEV1	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	0.016	0.003	1.07E-09	0.008	30.269	TRUE	1.06E-06
FEV1	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	0.005	0.003	0.066	0.009	33.868	TRUE	2.06E-08
FEV1	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	0.001	0.003	0.638	0.020	75.680	TRUE	9.24E-18
FEV1	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	0.005	0.002	0.029	0.118	496.104	TRUE	2.01E-102
FEV1	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	-0.001	0.003	0.851	0.013	48.672	TRUE	4.85E-12
FEV1	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	-0.007	0.003	0.006	0.014	51.402	TRUE	6.94E-12
FEV1	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	-0.007	0.002	0.003	0.034	131.293	TRUE	2.18E-28
FEV1	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	0.003	0.003	0.274	0.010	37.232	TRUE	2.57E-09
FEV1	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	0.003	0.003	0.232	0.012	45.839	TRUE	3.83E-11
FEV1	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	-0.002	0.003	0.503	0.009	34.224	TRUE	8.87E-09
FEV1	GATA4	cg23972785	rs12156238	C	G	0.270	0.048	0.179	2.18E-08	0.005	0.003	0.084	0.008	31.308	TRUE	6.76E-08
FEV1	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	0.001	0.003	0.739	0.009	32.265	TRUE	1.97E-08
FEV1	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	0.003	0.002	0.196	0.014	51.868	TRUE	2.10E-12
FEV1	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	-0.007	0.003	0.009	0.014	52.429	TRUE	3.94E-12
FEV1	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	-0.002	0.003	0.418	0.011	39.564	TRUE	6.72E-10
FEV1	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	0.007	0.005	0.151	0.009	33.664	TRUE	1.83E-08
FEV1	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	-0.004	0.003	0.153	0.013	49.878	TRUE	6.21E-12
FEV1	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	0.004	0.003	0.100	0.099	407.818	TRUE	1.88E-85
FEV1	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	0.003	0.006	0.696	0.016	60.509	TRUE	1.55E-14
FEV1	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	0.001	0.003	0.678	0.021	80.057	TRUE	1.03E-18
FEV1	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	0.002	0.003	0.435	0.008	30.569	TRUE	5.96E-08
FEV1	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	-0.004	0.003	0.102	0.021	77.680	TRUE	9.11E-18
FEV1	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	-0.003	0.003	0.254	0.023	87.101	TRUE	6.01E-20
FEV1	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	0.012	0.002	1.25E-06	0.010	35.513	TRUE	4.78E-08
FEV1	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	0.004	0.003	0.163	0.035	134.159	TRUE	9.51E-30
FEV1	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	0.003	0.003	0.226	0.029	109.329	TRUE	1.29E-24
FEV1	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	0.003	0.002	0.157	0.009	34.283	TRUE	1.32E-08
FEV1	GBA	cg02834765	rs2072647	A	C	-0.227	0.027	0.251	4.90E-17	-0.006	0.003	0.041	0.019	70.338	TRUE	4.44E-16
FEV1	GBA	cg02834765	rs35154152	C	T	-0.237	0.039	0.106	7.96E-10	-0.009	0.004	0.015	0.010	37.749	TRUE	4.35E-09

FEV1	GFAP	cg02407342	rs8067029	G	T	-0.258	0.037	0.116	2.66E-12	-0.007	0.004	0.064	0.013	48.900	TRUE	1.32E-11
FEV1	GFAP	cg07167554	rs2289674	G	A	0.157	0.029	0.202	3.71E-08	0.003	0.003	0.295	0.008	30.278	TRUE	7.87E-08
FEV1	GFAP	cg07918341	rs17546654	A	G	-0.224	0.034	0.151	3.95E-11	0.013	0.003	7.89E-05	0.012	43.613	TRUE	6.29E-10
FEV1	GFAP	cg10855825	rs8067029	G	T	-0.261	0.036	0.116	7.90E-13	-0.007	0.004	0.064	0.014	51.280	TRUE	4.13E-12
FEV1	GFAP	cg16343401	rs117250203	T	G	-0.693	0.113	0.012	8.18E-10	0.022	0.012	0.052	0.010	37.696	TRUE	3.32E-09
FEV1	GFAP	cg16343401	rs12150247	G	C	0.224	0.041	0.083	4.73E-08	0.014	0.004	0.001	0.008	29.808	TRUE	3.06E-07
FEV1	GFAP	cg16343401	rs12602860	T	C	0.184	0.026	0.306	6.37E-13	0.003	0.003	0.216	0.014	51.702	TRUE	2.20E-12
FEV1	GFAP	cg16343401	rs12944434	G	A	0.180	0.024	0.497	1.76E-14	0.000	0.002	0.942	0.016	58.752	TRUE	2.95E-14
FEV1	GFAP	cg16343401	rs143814916	C	A	-0.424	0.067	0.031	2.47E-10	0.006	0.007	0.384	0.011	40.034	TRUE	5.55E-10
FEV1	GFAP	cg16343401	rs144535065	A	G	-0.367	0.057	0.039	1.65E-10	-0.003	0.006	0.564	0.011	40.820	TRUE	3.14E-10
FEV1	GFAP	cg16343401	rs144647217	A	G	-0.251	0.034	0.135	1.54E-13	0.006	0.003	0.073	0.015	54.492	TRUE	8.39E-13
FEV1	GFAP	cg16343401	rs2070935	T	G	-0.370	0.024	0.420	4.25E-54	0.001	0.002	0.796	0.061	239.715	TRUE	2.45E-52
FEV1	GFAP	cg16343401	rs2289681	T	C	0.527	0.034	0.128	5.53E-54	0.007	0.004	0.061	0.061	239.190	TRUE	3.26E-51
FEV1	GFAP	cg16343401	rs4792948	T	C	-0.256	0.038	0.116	2.64E-11	0.002	0.004	0.627	0.012	44.403	TRUE	4.95E-11
FEV1	GFAP	cg16343401	rs6503401	C	G	0.145	0.024	0.406	1.41E-09	-0.004	0.002	0.117	0.010	36.635	TRUE	4.45E-09
FEV1	GFAP	cg16343401	rs6503409	T	C	0.211	0.025	0.349	9.50E-18	0.006	0.002	0.013	0.020	73.574	TRUE	1.39E-16
FEV1	GFAP	cg16343401	rs713101	A	G	0.229	0.023	0.436	1.61E-22	0.000	0.002	0.916	0.025	95.278	TRUE	4.22E-22
FEV1	GFAP	cg16343401	rs72826852	A	G	-0.266	0.037	0.121	5.07E-13	0.007	0.004	0.071	0.014	52.151	TRUE	2.60E-12
FEV1	GFAP	cg16343401	rs79588955	C	G	-0.409	0.039	0.096	1.56E-25	0.003	0.004	0.507	0.029	109.015	TRUE	8.90E-25
FEV1	GFAP	cg16343401	rs8067029	G	T	-0.769	0.036	0.116	5.08E-101	-0.007	0.004	0.064	0.110	455.050	TRUE	1.20E-94
FEV1	GFAP	cg17265120	rs8073674	C	A	0.209	0.037	0.116	1.66E-08	-0.001	0.004	0.821	0.009	31.840	TRUE	2.31E-08
FEV1	GFAP	cg18208742	rs76566528	A	G	-0.211	0.033	0.156	1.45E-10	0.012	0.003	1.39E-04	0.011	41.070	TRUE	1.99E-09
FEV1	GFAP	cg20911989	rs112023302	A	G	0.232	0.038	0.102	8.48E-10	0.003	0.004	0.401	0.010	37.625	TRUE	1.80E-09
FEV1	GFAP	cg20911989	rs11657244	T	C	-0.195	0.034	0.143	7.80E-09	0.000	0.003	0.914	0.009	33.307	TRUE	1.04E-08
FEV1	GFAP	cg20911989	rs12449792	T	C	0.204	0.024	0.448	4.24E-18	-0.006	0.002	0.007	0.020	75.165	TRUE	6.90E-17
FEV1	GFAP	cg20911989	rs12602860	T	C	0.155	0.026	0.306	1.19E-09	0.003	0.003	0.216	0.010	36.974	TRUE	3.16E-09
FEV1	GFAP	cg20911989	rs2070935	T	G	-0.309	0.024	0.420	5.73E-38	0.001	0.002	0.796	0.043	165.842	TRUE	5.97E-37
FEV1	GFAP	cg20911989	rs2289681	T	C	0.500	0.034	0.128	1.37E-48	0.007	0.004	0.061	0.055	214.466	TRUE	3.86E-46
FEV1	GFAP	cg20911989	rs56908739	T	C	-0.597	0.037	0.114	1.72E-59	-0.007	0.004	0.067	0.067	264.439	TRUE	2.18E-56
FEV1	GFAP	cg20911989	rs6503409	T	C	0.170	0.025	0.349	4.54E-12	0.006	0.002	0.013	0.013	47.852	TRUE	3.43E-11
FEV1	GFAP	cg20911989	rs7217422	C	G	-0.226	0.033	0.161	4.35E-12	0.003	0.003	0.356	0.013	47.932	TRUE	1.15E-11
FEV1	GFAP	cg20911989	rs72826870	C	G	-0.220	0.037	0.119	3.13E-09	0.006	0.004	0.078	0.009	35.082	TRUE	1.08E-08
FEV1	GFAP	cg20911989	rs73309596	T	C	-0.387	0.046	0.068	8.64E-17	0.000	0.005	0.950	0.018	69.220	TRUE	1.60E-16
FEV1	GFAP	cg21601845	rs2070935	T	G	-0.152	0.024	0.420	1.78E-10	0.001	0.002	0.796	0.011	40.670	TRUE	2.76E-10
FEV1	GFAP	cg23016243	rs144535065	A	G	0.400	0.057	0.039	2.79E-12	-0.003	0.006	0.564	0.013	48.806	TRUE	5.88E-12
FEV1	GFAP	cg23016243	rs67419793	G	T	0.532	0.037	0.114	1.54E-47	-0.007	0.004	0.067	0.054	209.657	TRUE	3.64E-45
FEV1	GFAP	cg23016243	rs7207047	A	G	0.133	0.024	0.395	3.57E-08	-0.004	0.002	0.079	0.008	30.353	TRUE	1.11E-07
FEV1	GFAP	cg23016243	rs72824797	T	C	0.186	0.032	0.156	5.60E-09	0.001	0.003	0.825	0.009	33.951	TRUE	7.98E-09
FEV1	GFAP	cg23016243	rs758020	C	A	-0.243	0.038	0.112	2.40E-10	-0.001	0.004	0.848	0.011	40.088	TRUE	3.56E-10
FEV1	GFAP	cg23242944	rs744281	A	G	-0.137	0.024	0.407	1.11E-08	0.004	0.002	0.112	0.009	32.613	TRUE	3.31E-08
FEV1	GGA1	cg04984879	rs7285814	A	G	0.270	0.031	0.165	3.91E-18	0.009	0.003	0.004	0.020	75.327	TRUE	7.82E-17
FEV1	GGA1	cg07064364	rs761336	C	A	-0.160	0.023	0.480	3.02E-12	-0.002	0.002	0.441	0.013	48.652	TRUE	7.28E-12

FEV1	GGA1	cg21268578	rs12710562	G	A	-0.208	0.032	0.164	4.10E-11	-0.003	0.003	0.361	0.012	43.541	TRUE	1.01E-10
FEV1	GLS	cg03661409	rs1546646	A	G	0.162	0.024	0.383	2.63E-11	-0.004	0.002	0.147	0.012	44.413	TRUE	9.17E-11
FEV1	GLS	cg21497043	rs11894425	C	T	-0.261	0.023	0.408	1.10E-29	-0.009	0.002	2.58E-04	0.033	127.973	TRUE	2.03E-27
FEV1	GNS	cg00626466	rs61932682	G	C	0.299	0.051	0.104	3.96E-09	0.001	0.004	0.727	0.009	34.626	TRUE	6.10E-09
FEV1	GNS	cg18624581	rs17764405	T	C	-0.461	0.069	0.074	2.07E-11	0.008	0.004	0.080	0.012	44.880	TRUE	8.87E-11
FEV1	GNS	cg27476482	rs2620719	G	A	0.189	0.024	0.407	9.36E-16	0.006	0.002	0.014	0.017	64.526	TRUE	9.90E-15
FEV1	GPX1	cg02758552	rs13066140	C	T	0.211	0.036	0.115	5.82E-09	0.006	0.004	0.134	0.009	33.877	TRUE	1.71E-08
FEV1	GPX1	cg02758552	rs73082914	T	C	0.241	0.043	0.078	1.72E-08	0.014	0.004	5.54E-04	0.009	31.772	TRUE	1.34E-07
FEV1	GPX1	cg02758552	rs9858280	C	T	0.341	0.025	0.318	1.12E-43	0.014	0.003	1.17E-08	0.049	191.970	TRUE	2.46E-39
FEV1	GPX1	cg05055782	rs200470784	T	C	0.299	0.049	0.061	9.69E-10	0.009	0.005	0.064	0.010	37.367	TRUE	3.69E-09
FEV1	GPX1	cg05055782	rs6773518	A	C	0.254	0.023	0.448	2.65E-27	-0.003	0.002	0.223	0.031	117.096	TRUE	3.03E-26
FEV1	GPX1	cg05055782	rs73082363	C	T	-0.194	0.035	0.128	3.40E-08	0.011	0.004	0.003	0.008	30.448	TRUE	1.97E-07
FEV1	GPX1	cg05551922	rs4974078	T	C	0.169	0.023	0.500	4.39E-13	0.003	0.002	0.248	0.014	52.434	TRUE	1.47E-12
FEV1	GPX1	cg05551922	rs9878943	A	G	-0.252	0.025	0.314	1.91E-23	0.014	0.003	2.25E-08	0.026	99.499	TRUE	9.27E-21
FEV1	GPX1	cg07274523	rs141260127	T	C	0.315	0.055	0.049	8.73E-09	0.010	0.006	0.101	0.009	33.086	TRUE	2.70E-08
FEV1	GPX1	cg07274523	rs35761247	A	G	0.294	0.049	0.065	1.73E-09	0.004	0.005	0.408	0.010	36.239	TRUE	3.60E-09
FEV1	GPX1	cg07274523	rs6446277	A	G	0.417	0.025	0.314	6.13E-65	0.014	0.003	1.89E-08	0.073	289.426	TRUE	7.54E-59
FEV1	GPX1	cg07274523	rs7627910	C	T	-0.142	0.024	0.458	2.33E-09	-0.009	0.002	2.61E-04	0.010	35.656	TRUE	2.26E-08
FEV1	GPX1	cg07274523	rs7640031	C	G	0.314	0.052	0.054	1.77E-09	-0.001	0.005	0.868	0.010	36.193	TRUE	2.50E-09
FEV1	GPX1	cg07274523	rs990211	A	G	-0.207	0.030	0.176	5.31E-12	-0.013	0.003	2.49E-05	0.013	47.544	TRUE	1.12E-10
FEV1	GPX1	cg18642234	rs1046953	T	C	-0.147	0.024	0.424	7.29E-10	0.007	0.002	0.003	0.010	37.920	TRUE	5.24E-09
FEV1	GPX1	cg18642234	rs112837936	A	G	-0.310	0.039	0.101	2.49E-15	0.012	0.004	0.002	0.017	62.596	TRUE	4.02E-14
FEV1	GPX1	cg18642234	rs114738417	A	G	0.458	0.061	0.039	8.73E-14	0.004	0.007	0.574	0.015	55.603	TRUE	1.98E-13
FEV1	GPX1	cg18642234	rs116608907	T	C	-0.352	0.056	0.040	4.35E-10	0.011	0.006	0.069	0.010	38.930	TRUE	1.69E-09
FEV1	GPX1	cg18642234	rs4855877	C	T	0.380	0.023	0.450	6.49E-60	-0.003	0.002	0.227	0.067	266.382	TRUE	3.16E-57
FEV1	GPX1	cg18642234	rs75339099	G	A	0.319	0.050	0.056	2.08E-10	-0.009	0.005	0.088	0.011	40.369	TRUE	7.87E-10
FEV1	GPX1	cg18642234	rs7615170	C	G	0.276	0.043	0.079	1.72E-10	-0.005	0.004	0.263	0.011	40.739	TRUE	4.54E-10
FEV1	GPX1	cg18642234	rs78807522	A	C	-0.280	0.035	0.129	1.38E-15	0.011	0.004	0.003	0.017	63.757	TRUE	2.17E-14
FEV1	GPX1	cg24011261	rs11716974	A	G	-0.304	0.025	0.314	1.35E-33	0.014	0.003	2.29E-08	0.038	145.843	TRUE	4.08E-30
FEV1	GPX1	cg24011261	rs4974078	T	C	0.179	0.023	0.500	1.33E-14	0.003	0.002	0.248	0.016	59.299	TRUE	5.01E-14
FEV1	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	0.005	0.002	0.048	0.022	83.004	TRUE	9.35E-19
FEV1	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	0.002	0.011	0.878	0.020	74.243	TRUE	1.43E-17
FEV1	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	-0.007	0.009	0.446	0.016	59.557	TRUE	3.26E-14
FEV1	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	-0.005	0.003	0.050	0.012	45.037	TRUE	9.08E-11
FEV1	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	0.004	0.003	0.200	0.011	42.892	TRUE	1.76E-10
FEV1	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	0.007	0.003	0.007	0.038	145.486	TRUE	1.84E-31
FEV1	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	0.001	0.003	0.810	0.008	30.518	TRUE	4.58E-08
FEV1	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	0.011	0.005	0.035	0.042	163.312	TRUE	1.91E-35
FEV1	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	-0.010	0.002	9.33E-06	0.020	75.784	TRUE	2.28E-16
FEV1	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	-0.007	0.002	0.005	0.014	52.136	TRUE	5.23E-12
FEV1	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	0.008	0.004	0.039	0.014	52.275	TRUE	2.94E-12
FEV1	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.006	0.004	0.183	0.010	38.182	TRUE	1.81E-09

FEV1	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	-0.007	0.002	0.005	0.031	118.611	TRUE	7.62E-26
FEV1	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	0.009	0.003	0.006	0.024	91.445	TRUE	2.98E-20
FEV1	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.001	0.007	0.829	0.010	36.121	TRUE	2.65E-09
FEV1	GSDMA	cg24910161	rs11871317	G	C	0.215	0.038	0.246	1.20E-08	0.010	0.003	1.10E-04	0.009	32.462	TRUE	1.20E-07
FEV1	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	0.009	0.003	0.005	0.023	88.537	TRUE	1.36E-19
FEV1	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	0.000	0.002	0.916	0.011	41.141	TRUE	1.97E-10
FEV1	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	-0.015	0.003	8.55E-08	0.041	159.157	TRUE	6.20E-33
FEV1	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	-0.004	0.002	0.065	0.044	170.791	TRUE	4.03E-37
FEV1	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	0.006	0.002	0.006	0.320	1739.419	TRUE	<1E-200
FEV1	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	-0.008	0.004	0.078	0.017	62.193	TRUE	1.86E-14
FEV1	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	-0.008	0.006	0.195	0.013	50.514	TRUE	4.09E-12
FEV1	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	0.002	0.003	0.430	0.034	128.558	TRUE	7.55E-29
FEV1	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.006	0.004	0.136	0.033	127.851	TRUE	2.22E-28
FEV1	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	-0.007	0.008	0.383	0.008	29.958	TRUE	8.51E-08
FEV1	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	0.009	0.003	0.006	0.022	84.446	TRUE	8.55E-19
FEV1	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.001	0.007	0.829	0.011	40.041	TRUE	3.70E-10
FEV1	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	0.009	0.003	0.005	0.020	76.836	TRUE	3.71E-17
FEV1	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	-0.015	0.003	8.55E-08	0.047	181.852	TRUE	1.64E-37
FEV1	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	-0.004	0.002	0.065	0.055	213.970	TRUE	4.96E-46
FEV1	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	0.006	0.002	0.006	0.282	1451.768	TRUE	1.56E-276
FEV1	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.008	0.003	0.014	0.032	124.005	TRUE	4.15E-27
FEV1	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	-0.008	0.004	0.078	0.014	52.543	TRUE	2.06E-12
FEV1	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	-0.008	0.006	0.195	0.015	56.822	TRUE	1.84E-13
FEV1	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	0.002	0.003	0.430	0.036	138.804	TRUE	5.29E-31
FEV1	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	-0.001	0.008	0.896	0.008	30.737	TRUE	3.85E-08
FEV1	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.006	0.006	0.285	0.014	52.132	TRUE	1.58E-12
FEV1	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	-0.001	0.007	0.829	0.008	30.488	TRUE	4.56E-08
FEV1	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	0.000	0.003	0.891	0.009	32.948	TRUE	1.27E-08
FEV1	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	0.010	0.004	0.013	0.009	32.601	TRUE	5.51E-08
FEV1	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	0.006	0.003	0.024	0.011	41.116	TRUE	7.52E-10
FEV1	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	-0.006	0.002	0.011	0.012	46.247	TRUE	7.26E-11
FEV1	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	-0.011	0.002	1.45E-06	0.099	407.381	TRUE	9.45E-83
FEV1	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	-0.012	0.005	0.009	0.011	40.532	TRUE	1.25E-09
FEV1	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.007	0.004	0.053	0.017	64.042	TRUE	8.76E-15
FEV1	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	0.009	0.002	6.53E-05	0.009	31.956	TRUE	1.68E-07
FEV1	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	0.015	0.006	0.012	0.014	52.347	TRUE	3.86E-12
FEV1	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	0.007	0.003	0.039	0.009	32.697	TRUE	4.12E-08
FEV1	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	-0.002	0.003	0.545	0.010	36.314	TRUE	3.03E-09
FEV1	GSDMB	cg27435903	rs36095411	G	T	-0.364	0.023	0.485	5.03E-56	0.009	0.002	1.78E-04	0.063	248.547	TRUE	6.68E-52
FEV1	GSDMC	cg05316065	rs57586672	T	C	-0.159	0.029	0.202	4.94E-08	-0.001	0.003	0.722	0.008	29.724	TRUE	7.21E-08
FEV1	GSDMC	cg23990303	rs7004355	C	T	0.273	0.023	0.471	6.64E-32	-0.010	0.002	2.64E-05	0.036	138.110	TRUE	3.52E-29
FEV1	GSDMC	cg26073844	rs4260864	G	A	-0.182	0.024	0.451	1.42E-14	0.006	0.002	0.008	0.016	59.177	TRUE	1.48E-13

FEV1	GSDMD	cg03367493	rs11782753	T	C	0.575	0.034	0.133	1.17E-65	-0.003	0.004	0.343	0.073	292.722	TRUE	9.20E-63
FEV1	GSDMD	cg03367493	rs11985039	A	G	0.146	0.024	0.418	9.34E-10	-0.005	0.002	0.039	0.010	37.437	TRUE	4.00E-09
FEV1	GSDMD	cg03367493	rs12543282	T	C	0.228	0.027	0.239	1.04E-16	0.000	0.003	0.878	0.018	68.850	TRUE	2.05E-16
FEV1	GSDMD	cg03367493	rs12679471	G	T	0.188	0.025	0.348	4.17E-14	-0.002	0.003	0.518	0.015	57.058	TRUE	1.03E-13
FEV1	GSDMD	cg03367493	rs12679598	G	A	-0.748	0.031	0.150	3.73E-127	0.008	0.003	0.013	0.135	575.102	TRUE	1.47E-117
FEV1	GSDMD	cg03367493	rs13262652	C	G	0.474	0.059	0.043	1.24E-15	0.001	0.005	0.912	0.017	63.972	TRUE	2.24E-15
FEV1	GSDMD	cg03367493	rs13276307	T	C	0.463	0.027	0.248	1.57E-64	-0.003	0.003	0.228	0.072	287.550	TRUE	1.63E-61
FEV1	GSDMD	cg03367493	rs139312283	T	C	0.693	0.102	0.014	1.10E-11	-0.008	0.009	0.392	0.012	46.110	TRUE	2.68E-11
FEV1	GSDMD	cg03367493	rs143355379	T	C	0.871	0.143	0.014	1.01E-09	-0.011	0.010	0.271	0.010	37.287	TRUE	2.49E-09
FEV1	GSDMD	cg03367493	rs187530824	G	C	-0.611	0.100	0.010	1.06E-09	0.003	0.010	0.736	0.010	37.189	TRUE	1.67E-09
FEV1	GSDMD	cg03367493	rs2384929	C	T	0.258	0.023	0.496	2.68E-28	-0.009	0.002	4.17E-04	0.032	121.641	TRUE	3.74E-26
FEV1	GSDMD	cg03367493	rs35643226	C	A	0.160	0.024	0.452	1.31E-11	-0.004	0.002	0.128	0.012	45.770	TRUE	4.83E-11
FEV1	GSDMD	cg03367493	rs66470449	C	G	-0.190	0.025	0.307	2.83E-14	0.003	0.003	0.310	0.015	57.818	TRUE	9.42E-14
FEV1	GSDMD	cg03367493	rs72695731	T	C	-0.906	0.140	0.016	9.47E-11	0.003	0.009	0.734	0.011	41.905	TRUE	1.57E-10
FEV1	GSDMD	cg03367493	rs7832515	G	A	-0.193	0.030	0.199	7.44E-11	0.006	0.003	0.054	0.011	42.376	TRUE	3.42E-10
FEV1	GSDMD	cg03367493	rs78856028	A	G	0.179	0.033	0.154	3.89E-08	-0.001	0.003	0.786	0.008	30.186	TRUE	5.51E-08
FEV1	GSDMD	cg06553843	rs11782442	T	C	0.478	0.034	0.131	2.27E-45	-0.004	0.003	0.310	0.051	199.723	TRUE	1.39E-43
FEV1	GSDMD	cg06553843	rs144181480	G	A	-0.536	0.092	0.016	6.12E-09	0.008	0.009	0.343	0.009	33.779	TRUE	1.31E-08
FEV1	GSDMD	cg06553843	rs187530824	G	C	-0.771	0.100	0.010	1.66E-14	0.003	0.010	0.736	0.016	58.872	TRUE	3.35E-14
FEV1	GSDMD	cg06553843	rs2242088	C	G	0.232	0.026	0.310	1.07E-19	-0.007	0.003	0.008	0.022	82.425	TRUE	2.21E-18
FEV1	GSDMD	cg06553843	rs2242093	C	T	-0.709	0.031	0.149	2.19E-112	0.008	0.003	0.015	0.121	507.253	TRUE	2.07E-104
FEV1	GSDMD	cg06553843	rs2278897	A	G	0.166	0.025	0.322	6.72E-11	-0.001	0.003	0.722	0.011	42.576	TRUE	1.14E-10
FEV1	GSDMD	cg06553843	rs62524733	G	A	-0.156	0.023	0.458	3.29E-11	0.002	0.002	0.362	0.012	43.971	TRUE	7.87E-11
FEV1	GSDMD	cg06553843	rs66470449	C	G	-0.149	0.025	0.307	2.60E-09	0.003	0.003	0.310	0.009	35.441	TRUE	6.02E-09
FEV1	GSDMD	cg06553843	rs72703742	T	C	0.179	0.033	0.143	4.00E-08	-0.003	0.003	0.335	0.008	30.133	TRUE	8.05E-08
FEV1	GSDMD	cg07422279	rs12543096	A	G	0.221	0.028	0.206	4.12E-15	0.002	0.003	0.498	0.016	61.607	TRUE	1.11E-14
FEV1	GSDMD	cg07422279	rs141432057	T	C	-0.255	0.040	0.091	2.78E-10	-0.006	0.004	0.149	0.011	39.805	TRUE	8.76E-10
FEV1	GSDMD	cg07422279	rs1809148	A	G	-0.211	0.036	0.131	4.77E-09	-0.007	0.004	0.034	0.009	34.261	TRUE	1.94E-08
FEV1	GSDMD	cg07422279	rs4873796	G	C	-0.180	0.028	0.222	8.73E-11	0.000	0.003	0.872	0.011	42.065	TRUE	1.28E-10
FEV1	GSDMD	cg07422279	rs6558369	A	C	0.385	0.024	0.378	2.03E-59	0.002	0.003	0.479	0.067	264.112	TRUE	4.38E-57
FEV1	GSDMD	cg07422279	rs72701718	A	G	0.316	0.058	0.036	3.96E-08	0.011	0.006	0.061	0.008	30.154	TRUE	1.29E-07
FEV1	GSDMD	cg09317036	rs10866914	T	G	-0.247	0.038	0.118	7.24E-11	-0.004	0.004	0.315	0.011	42.429	TRUE	1.83E-10
FEV1	GSDMD	cg09317036	rs11787024	C	T	0.147	0.025	0.322	5.91E-09	0.005	0.003	0.040	0.009	33.845	TRUE	2.37E-08
FEV1	GSDMD	cg09317036	rs12547588	G	A	-0.264	0.026	0.265	1.48E-23	-0.001	0.003	0.851	0.026	100.000	TRUE	4.60E-23
FEV1	GSDMD	cg09317036	rs12681624	G	C	1.025	0.030	0.150	1.09E-255	0.008	0.003	0.017	0.240	1166.006	TRUE	2.98E-227
FEV1	GSDMD	cg09317036	rs141337105	T	G	0.468	0.082	0.018	1.01E-08	0.005	0.008	0.552	0.009	32.805	TRUE	1.75E-08
FEV1	GSDMD	cg09317036	rs144181480	G	A	0.543	0.092	0.016	4.02E-09	0.008	0.009	0.343	0.009	34.595	TRUE	8.74E-09
FEV1	GSDMD	cg09317036	rs187530824	G	C	0.858	0.100	0.010	1.17E-17	0.003	0.010	0.736	0.019	73.161	TRUE	2.85E-17
FEV1	GSDMD	cg09317036	rs2060967	T	C	-0.278	0.026	0.296	7.51E-27	-0.002	0.003	0.572	0.030	115.031	TRUE	4.34E-26
FEV1	GSDMD	cg09317036	rs2384929	C	T	-0.227	0.023	0.496	3.02E-22	-0.009	0.002	4.17E-04	0.025	94.033	TRUE	1.83E-20
FEV1	GSDMD	cg09317036	rs34791886	G	A	0.248	0.024	0.453	5.30E-26	0.004	0.002	0.097	0.029	111.160	TRUE	8.74E-25
FEV1	GSDMD	cg09317036	rs72691637	A	G	0.188	0.030	0.200	2.16E-10	0.006	0.003	0.053	0.011	40.291	TRUE	9.13E-10

FEV1	GSDMD	cg09317036	rs72695731	T	C	1.027	0.140	0.016	1.90E-13	0.003	0.009	0.734	0.014	54.073	TRUE	3.63E-13
FEV1	GSDMD	cg09317036	rs9644250	T	G	-0.179	0.025	0.349	8.33E-13	0.000	0.003	0.878	0.014	51.175	TRUE	1.36E-12
FEV1	GSDMD	cg10074813	rs13262652	C	G	0.349	0.059	0.043	4.12E-09	0.001	0.005	0.912	0.009	34.545	TRUE	5.54E-09
FEV1	GSDMD	cg10074813	rs2242091	A	G	0.503	0.033	0.134	5.97E-51	-0.003	0.003	0.366	0.057	225.290	TRUE	6.09E-49
FEV1	GSDMD	cg10074813	rs388357	A	C	-0.198	0.025	0.341	8.12E-16	0.001	0.003	0.653	0.017	64.805	TRUE	1.91E-15
FEV1	GSDMD	cg10074813	rs4266665	G	T	-0.194	0.025	0.331	2.99E-15	0.006	0.003	0.024	0.017	62.238	TRUE	2.62E-14
FEV1	GSDMD	cg10074813	rs896949	C	G	0.178	0.027	0.274	3.30E-11	-0.003	0.003	0.201	0.012	43.964	TRUE	1.04E-10
FEV1	GSDMD	cg10810860	rs10099546	G	A	-0.467	0.033	0.142	2.17E-45	0.008	0.003	0.023	0.051	199.813	TRUE	6.61E-43
FEV1	GSDMD	cg10810860	rs117239159	A	G	0.556	0.070	0.030	2.13E-15	0.000	0.007	0.988	0.017	62.907	TRUE	3.54E-15
FEV1	GSDMD	cg10810860	rs12543282	T	C	0.699	0.026	0.239	2.43E-155	0.000	0.003	0.878	0.160	704.634	TRUE	6.75E-145
FEV1	GSDMD	cg10810860	rs13276307	T	C	0.380	0.027	0.248	1.64E-43	-0.003	0.003	0.228	0.049	191.218	TRUE	1.04E-41
FEV1	GSDMD	cg10810860	rs190987773	T	C	0.757	0.074	0.033	1.05E-24	-0.009	0.008	0.244	0.028	105.248	TRUE	9.08E-24
FEV1	GSDMD	cg10810860	rs36134466	G	A	0.669	0.086	0.022	8.28E-15	0.009	0.007	0.200	0.016	60.235	TRUE	3.47E-14
FEV1	GSDMD	cg10810860	rs4495441	A	G	0.379	0.046	0.071	2.20E-16	-0.010	0.005	0.033	0.018	67.382	TRUE	2.00E-15
FEV1	GSDMD	cg10810860	rs60804328	G	C	-0.218	0.024	0.373	4.55E-20	0.002	0.002	0.544	0.022	84.120	TRUE	1.65E-19
FEV1	GSDMD	cg10810860	rs6990605	G	A	0.219	0.025	0.325	2.03E-18	0.004	0.003	0.091	0.020	76.624	TRUE	1.57E-17
FEV1	GSDMD	cg10810860	rs72703732	A	G	0.524	0.062	0.039	2.64E-17	0.020	0.006	6.87E-04	0.019	71.561	TRUE	7.24E-16
FEV1	GSDMD	cg10810860	rs73715668	C	G	-0.257	0.027	0.247	1.69E-21	0.000	0.003	0.910	0.024	90.631	TRUE	4.25E-21
FEV1	GSDMD	cg14721632	rs116668352	A	G	-0.302	0.052	0.059	7.30E-09	-0.003	0.005	0.493	0.009	33.434	TRUE	1.34E-08
FEV1	GSDMD	cg14721632	rs116692788	T	C	-0.335	0.035	0.131	8.27E-22	-0.004	0.003	0.264	0.024	92.042	TRUE	5.33E-21
FEV1	GSDMD	cg14721632	rs117126994	A	G	0.566	0.081	0.025	2.19E-12	-0.014	0.008	0.070	0.013	49.282	TRUE	1.06E-11
FEV1	GSDMD	cg14721632	rs11776876	T	C	-0.175	0.024	0.418	3.95E-13	0.002	0.002	0.410	0.014	52.639	TRUE	1.05E-12
FEV1	GSDMD	cg14721632	rs12544706	C	G	-0.316	0.027	0.241	1.24E-31	-0.001	0.003	0.865	0.036	136.869	TRUE	6.93E-31
FEV1	GSDMD	cg14721632	rs1545536	T	C	-0.258	0.029	0.216	2.37E-19	-0.003	0.003	0.365	0.021	80.863	TRUE	1.06E-18
FEV1	GSDMD	cg14721632	rs2272635	T	C	0.268	0.026	0.295	3.30E-25	0.003	0.003	0.247	0.028	107.534	TRUE	2.96E-24
FEV1	GSDMD	cg14721632	rs3812445	G	A	0.349	0.034	0.132	1.94E-24	-0.005	0.004	0.195	0.027	104.030	TRUE	1.83E-23
FEV1	GSDMD	cg14721632	rs383439	G	C	0.442	0.025	0.329	1.07E-70	-0.004	0.003	0.092	0.079	315.842	TRUE	6.13E-67
FEV1	GSDMD	cg14721632	rs3889129	T	C	0.653	0.023	0.350	1.65E-175	0.002	0.003	0.506	0.177	797.337	TRUE	5.75E-162
FEV1	GSDMD	cg14721632	rs59795540	A	C	-0.320	0.043	0.083	1.24E-13	0.011	0.004	0.012	0.015	54.913	TRUE	1.10E-12
FEV1	GSDMD	cg14721632	rs6991129	G	A	-0.187	0.027	0.256	3.19E-12	0.005	0.003	0.058	0.013	48.545	TRUE	1.60E-11
FEV1	GSDMD	cg14721632	rs6994534	T	C	0.137	0.024	0.424	9.86E-09	-0.004	0.002	0.069	0.009	32.850	TRUE	3.38E-08
FEV1	GSDMD	cg14721632	rs77893911	T	G	0.236	0.025	0.284	1.98E-20	0.003	0.003	0.250	0.023	85.762	TRUE	1.18E-19
FEV1	GSDMD	cg14721632	rs7819729	G	A	-0.211	0.027	0.256	1.23E-14	0.000	0.003	0.963	0.016	59.460	TRUE	2.00E-14
FEV1	GSDMD	cg15172061	rs113025548	T	C	0.759	0.058	0.041	1.31E-39	0.000	0.006	0.987	0.045	173.353	TRUE	1.19E-38
FEV1	GSDMD	cg15172061	rs113715729	A	G	0.427	0.066	0.037	8.55E-11	-0.009	0.008	0.233	0.011	42.106	TRUE	2.41E-10
FEV1	GSDMD	cg15172061	rs113990650	T	C	-0.711	0.031	0.150	5.41E-114	0.008	0.003	0.011	0.122	514.636	TRUE	9.69E-106
FEV1	GSDMD	cg15172061	rs11985039	A	G	0.210	0.024	0.418	1.45E-18	-0.005	0.002	0.039	0.020	77.289	TRUE	1.54E-17
FEV1	GSDMD	cg15172061	rs13262652	C	G	0.498	0.059	0.043	4.93E-17	0.001	0.005	0.912	0.019	70.328	TRUE	9.60E-17
FEV1	GSDMD	cg15172061	rs141432057	T	C	-0.435	0.040	0.091	4.12E-27	-0.006	0.004	0.149	0.030	116.219	TRUE	5.87E-26
FEV1	GSDMD	cg15172061	rs144093946	C	T	0.595	0.098	0.014	1.07E-09	0.009	0.009	0.341	0.010	37.175	TRUE	2.42E-09
FEV1	GSDMD	cg15172061	rs1532037	C	T	-0.148	0.024	0.401	5.25E-10	0.002	0.002	0.373	0.010	38.561	TRUE	1.19E-09
FEV1	GSDMD	cg15172061	rs2384929	C	T	0.316	0.023	0.496	7.46E-42	-0.009	0.002	4.17E-04	0.047	183.622	TRUE	7.38E-39

FEV1	GSDMD	cg15172061	rs35194198	G	A	-0.187	0.025	0.322	1.32E-13	0.005	0.003	0.033	0.015	54.799	TRUE	8.89E-13
FEV1	GSDMD	cg15172061	rs448340	G	A	0.175	0.024	0.402	1.48E-13	0.001	0.002	0.639	0.015	54.566	TRUE	3.10E-13
FEV1	GSDMD	cg15172061	rs58774177	C	T	0.779	0.023	0.334	6.22E-242	-0.005	0.003	0.049	0.230	1102.739	TRUE	1.54E-216
FEV1	GSDMD	cg15172061	rs61005957	G	T	0.674	0.041	0.087	1.02E-59	-0.001	0.004	0.851	0.067	265.476	TRUE	1.09E-57
FEV1	GSDMD	cg15172061	rs7812379	T	C	-0.236	0.024	0.477	2.25E-23	0.001	0.002	0.823	0.026	99.172	TRUE	7.01E-23
FEV1	GSDMD	cg15172061	rs7834418	T	C	-0.172	0.026	0.283	8.08E-11	0.001	0.003	0.621	0.011	42.216	TRUE	1.47E-10
FEV1	GSDMD	cg15172061	rs78856028	A	G	0.190	0.033	0.154	5.46E-09	-0.001	0.003	0.786	0.009	34.001	TRUE	8.04E-09
FEV1	GSDMD	cg15541193	rs116692788	T	C	-0.200	0.035	0.131	1.03E-08	-0.004	0.003	0.264	0.009	32.771	TRUE	2.37E-08
FEV1	GSDMD	cg15541193	rs372513	T	G	-0.160	0.028	0.224	8.20E-09	-0.001	0.003	0.717	0.009	33.210	TRUE	1.25E-08
FEV1	GSDMD	cg15541193	rs3812445	G	A	0.210	0.034	0.132	8.09E-10	-0.005	0.004	0.195	0.010	37.717	TRUE	2.23E-09
FEV1	GSDMD	cg15541193	rs383439	G	C	0.241	0.025	0.329	9.98E-22	-0.004	0.003	0.092	0.024	91.672	TRUE	1.06E-20
FEV1	GSDMD	cg15541193	rs3889129	T	C	0.372	0.024	0.350	3.20E-54	0.002	0.003	0.506	0.061	240.278	TRUE	3.32E-52
FEV1	GSDMD	cg17812120	rs10111556	A	G	0.239	0.025	0.322	1.86E-21	-0.002	0.003	0.484	0.024	90.444	TRUE	7.91E-21
FEV1	GSDMD	cg17812120	rs11781942	A	G	-0.194	0.032	0.166	1.24E-09	0.000	0.003	0.912	0.010	36.883	TRUE	1.72E-09
FEV1	GSDMD	cg17812120	rs12681624	G	C	-0.637	0.032	0.150	2.09E-90	0.008	0.003	0.017	0.099	406.309	TRUE	1.58E-84
FEV1	GSDMD	cg17812120	rs139312283	T	C	0.709	0.102	0.014	3.57E-12	-0.008	0.009	0.392	0.013	48.321	TRUE	8.97E-12
FEV1	GSDMD	cg17812120	rs147034183	A	G	0.636	0.103	0.015	5.96E-10	-0.003	0.009	0.721	0.010	38.315	TRUE	9.57E-10
FEV1	GSDMD	cg17812120	rs149005143	T	C	0.466	0.080	0.027	5.63E-09	-0.015	0.008	0.042	0.009	33.940	TRUE	2.20E-08
FEV1	GSDMD	cg17812120	rs28754324	C	A	0.572	0.098	0.012	4.61E-09	-0.022	0.010	0.019	0.009	34.328	TRUE	2.15E-08
FEV1	GSDMD	cg17812120	rs35609832	G	C	0.426	0.065	0.033	6.15E-11	-0.002	0.006	0.775	0.011	42.748	TRUE	9.96E-11
FEV1	GSDMD	cg17812120	rs3750207	G	T	0.727	0.024	0.333	6.50E-207	-0.005	0.003	0.059	0.203	941.717	TRUE	2.19E-187
FEV1	GSDMD	cg17812120	rs3812445	G	A	0.358	0.034	0.132	1.10E-25	-0.005	0.004	0.195	0.029	109.706	TRUE	1.17E-24
FEV1	GSDMD	cg17812120	rs4490854	G	A	0.372	0.040	0.087	1.82E-20	-0.001	0.004	0.814	0.023	85.929	TRUE	4.80E-20
FEV1	GSDMD	cg17812120	rs58858875	A	G	0.305	0.043	0.084	1.50E-12	-0.003	0.004	0.459	0.013	50.024	TRUE	3.58E-12
FEV1	GSDMD	cg17812120	rs59610542	G	A	-0.168	0.025	0.334	1.83E-11	0.004	0.003	0.121	0.012	45.123	TRUE	6.90E-11
FEV1	GSDMD	cg17812120	rs62524034	A	G	-0.224	0.032	0.152	1.72E-12	-0.002	0.003	0.591	0.013	49.748	TRUE	3.61E-12
FEV1	GSDMD	cg17812120	rs72693306	A	G	-0.306	0.053	0.050	7.74E-09	-0.001	0.005	0.791	0.009	33.321	TRUE	1.12E-08
FEV1	GSDMD	cg17812120	rs7812379	T	C	-0.306	0.024	0.477	1.34E-38	0.001	0.002	0.823	0.044	168.734	TRUE	1.40E-37
FEV1	GSDMD	cg17812120	rs7813970	T	C	-0.458	0.029	0.194	1.12E-56	-0.001	0.003	0.752	0.064	251.533	TRUE	9.72E-55
FEV1	GSDMD	cg17812120	rs78856028	A	G	0.222	0.033	0.154	1.02E-11	-0.001	0.003	0.786	0.012	46.261	TRUE	1.71E-11
FEV1	GSDMD	cg17812120	rs9657360	C	T	0.430	0.029	0.206	3.24E-48	-0.006	0.003	0.027	0.054	212.761	TRUE	1.39E-45
FEV1	GSDMD	cg18198896	rs116668352	A	G	-0.338	0.052	0.059	9.05E-11	-0.003	0.005	0.493	0.011	41.994	TRUE	1.86E-10
FEV1	GSDMD	cg18198896	rs116692788	T	C	-0.285	0.035	0.131	3.67E-16	-0.004	0.003	0.264	0.018	66.371	TRUE	1.50E-15
FEV1	GSDMD	cg18198896	rs12544706	C	G	-0.253	0.027	0.241	1.24E-20	-0.001	0.003	0.865	0.023	86.694	TRUE	3.16E-20
FEV1	GSDMD	cg18198896	rs12675897	T	C	0.149	0.024	0.453	4.01E-10	0.000	0.002	0.983	0.010	39.089	TRUE	5.38E-10
FEV1	GSDMD	cg18198896	rs1545536	T	C	-0.196	0.029	0.216	9.06E-12	-0.003	0.003	0.365	0.012	46.496	TRUE	2.33E-11
FEV1	GSDMD	cg18198896	rs374534	G	C	0.247	0.026	0.262	2.77E-21	0.007	0.003	0.007	0.024	89.654	TRUE	7.43E-20
FEV1	GSDMD	cg18198896	rs383439	G	C	0.199	0.025	0.329	3.08E-15	-0.004	0.003	0.092	0.017	62.181	TRUE	1.78E-14
FEV1	GSDMD	cg18198896	rs3889129	T	C	0.586	0.023	0.350	2.22E-138	0.002	0.003	0.506	0.145	626.682	TRUE	2.26E-129
FEV1	GSDMD	cg18198896	rs72701718	A	G	0.451	0.058	0.036	4.96E-15	0.011	0.006	0.061	0.016	61.244	TRUE	3.22E-14
FEV1	GSDMD	cg18198896	rs74528256	T	C	-0.187	0.032	0.162	9.09E-09	0.000	0.003	0.925	0.009	33.010	TRUE	1.19E-08
FEV1	GSDMD	cg18198896	rs77893911	T	G	0.330	0.025	0.284	7.36E-39	0.003	0.003	0.250	0.044	169.918	TRUE	2.54E-37

FEV1	GSDMD	cg20583945	rs10099134	C	T	-0.224	0.028	0.236	1.20E-15	-0.003	0.003	0.306	0.017	64.031	TRUE	4.43E-15
FEV1	GSDMD	cg20583945	rs11136325	G	A	0.137	0.024	0.406	1.12E-08	0.002	0.002	0.373	0.009	32.609	TRUE	2.30E-08
FEV1	GSDMD	cg20583945	rs112484283	C	A	-0.576	0.063	0.040	6.66E-20	-0.001	0.006	0.839	0.022	83.368	TRUE	1.66E-19
FEV1	GSDMD	cg20583945	rs11776876	T	C	-0.188	0.024	0.418	6.25E-15	0.002	0.002	0.410	0.016	60.789	TRUE	1.87E-14
FEV1	GSDMD	cg20583945	rs11986259	A	G	-0.399	0.028	0.221	6.15E-45	-0.006	0.003	0.026	0.051	197.744	TRUE	1.79E-42
FEV1	GSDMD	cg20583945	rs12545739	T	C	-0.157	0.027	0.245	9.78E-09	-0.004	0.003	0.116	0.009	32.867	TRUE	2.94E-08
FEV1	GSDMD	cg20583945	rs141337105	T	G	0.781	0.081	0.018	9.73E-22	0.005	0.008	0.552	0.024	91.721	TRUE	3.88E-21
FEV1	GSDMD	cg20583945	rs1487888	T	C	1.440	0.022	0.148	<1E-200	0.007	0.003	0.038	0.536	4270.809	TRUE	<1E-200
FEV1	GSDMD	cg20583945	rs1532037	C	T	0.269	0.024	0.401	4.74E-30	0.002	0.002	0.373	0.034	129.640	TRUE	5.15E-29
FEV1	GSDMD	cg20583945	rs187530824	G	C	0.886	0.100	0.010	9.85E-19	0.003	0.010	0.736	0.021	78.048	TRUE	2.56E-18
FEV1	GSDMD	cg20583945	rs2060967	T	C	-0.636	0.025	0.296	3.17E-142	-0.002	0.003	0.572	0.148	644.357	TRUE	7.48E-133
FEV1	GSDMD	cg20583945	rs388357	A	C	-0.462	0.024	0.341	8.27E-82	0.001	0.003	0.653	0.090	366.838	TRUE	3.49E-78
FEV1	GSDMD	cg20583945	rs4873795	T	A	-0.316	0.037	0.102	2.21E-17	-0.005	0.004	0.195	0.019	71.911	TRUE	1.14E-16
FEV1	GSDMD	cg20583945	rs55994096	T	G	0.339	0.024	0.374	9.52E-47	0.002	0.002	0.528	0.053	206.035	TRUE	3.97E-45
FEV1	GSDMD	cg20583945	rs56184499	A	G	0.275	0.026	0.293	3.26E-26	0.003	0.003	0.268	0.029	112.123	TRUE	3.07E-25
FEV1	GSDMD	cg20583945	rs56186625	T	C	0.597	0.055	0.055	3.52E-27	0.014	0.005	0.009	0.031	116.533	TRUE	1.66E-25
FEV1	GSDMD	cg20583945	rs62521928	A	G	-0.346	0.055	0.052	3.82E-10	-0.001	0.005	0.896	0.010	39.183	TRUE	5.43E-10
FEV1	GSDMD	cg20583945	rs6558383	C	T	-0.257	0.034	0.146	5.09E-14	-0.002	0.003	0.599	0.015	56.662	TRUE	1.15E-13
FEV1	GSDMD	cg20583945	rs6987719	T	C	-0.220	0.031	0.169	1.74E-12	0.000	0.003	0.927	0.013	49.726	TRUE	2.68E-12
FEV1	GSDMD	cg20583945	rs7460860	T	C	0.182	0.024	0.395	5.64E-14	0.003	0.002	0.280	0.015	56.462	TRUE	1.89E-13
FEV1	GSDMD	cg20583945	rs7829800	A	G	0.167	0.025	0.320	4.36E-11	0.005	0.003	0.050	0.012	43.423	TRUE	2.04E-10
FEV1	GSDMD	cg20583945	rs7833564	A	G	0.144	0.024	0.477	1.17E-09	0.001	0.002	0.754	0.010	37.002	TRUE	1.79E-09
FEV1	GSDMD	cg20583945	rs80351785	A	G	-0.494	0.071	0.034	4.32E-12	0.005	0.007	0.449	0.013	47.947	TRUE	1.01E-11
FEV1	GSDMD	cg20583945	rs896960	C	G	0.195	0.034	0.134	8.66E-09	-0.003	0.003	0.348	0.009	33.103	TRUE	1.83E-08
FEV1	GSDMD	cg22012530	rs118062821	T	A	-0.521	0.093	0.019	1.76E-08	-0.005	0.008	0.572	0.009	31.729	TRUE	2.96E-08
FEV1	GSDMD	cg22012530	rs118076041	A	G	0.728	0.130	0.015	2.06E-08	-0.018	0.010	0.071	0.008	31.418	TRUE	6.78E-08
FEV1	GSDMD	cg22012530	rs13254352	A	C	-0.254	0.028	0.245	4.91E-20	-0.003	0.003	0.228	0.022	83.972	TRUE	2.99E-19
FEV1	GSDMD	cg22012530	rs13267937	G	C	-0.235	0.027	0.256	9.70E-18	0.000	0.003	0.990	0.019	73.532	TRUE	1.79E-17
FEV1	GSDMD	cg22012530	rs13274480	T	C	-0.178	0.024	0.420	1.27E-13	0.002	0.002	0.443	0.015	54.863	TRUE	3.29E-13
FEV1	GSDMD	cg22012530	rs2060967	T	C	-0.400	0.026	0.296	2.03E-54	-0.002	0.003	0.572	0.061	241.189	TRUE	1.96E-52
FEV1	GSDMD	cg22012530	rs2278897	A	G	0.259	0.025	0.322	1.34E-24	-0.001	0.003	0.722	0.028	104.760	TRUE	5.25E-24
FEV1	GSDMD	cg22012530	rs388357	A	C	-0.407	0.024	0.341	3.87E-63	0.001	0.003	0.653	0.071	281.167	TRUE	9.54E-61
FEV1	GSDMD	cg22012530	rs4873795	T	A	-0.223	0.037	0.102	2.27E-09	-0.005	0.004	0.195	0.010	35.708	TRUE	6.08E-09
FEV1	GSDMD	cg22012530	rs59795540	A	C	-0.343	0.043	0.083	2.23E-15	0.011	0.004	0.012	0.017	62.820	TRUE	2.40E-14
FEV1	GSDMD	cg22012530	rs6991129	G	A	-0.216	0.027	0.256	1.07E-15	0.005	0.003	0.058	0.017	64.256	TRUE	7.58E-15
FEV1	GSDMD	cg22012530	rs6991958	T	C	0.776	0.028	0.200	1.15E-171	-0.005	0.003	0.128	0.174	779.663	TRUE	1.14E-157
FEV1	GSDMD	cg22012530	rs72701716	A	G	0.274	0.026	0.293	4.64E-26	0.003	0.003	0.267	0.029	111.422	TRUE	4.32E-25
FEV1	GSDMD	cg22312904	rs113025548	T	C	0.652	0.058	0.041	1.19E-29	0.000	0.006	0.987	0.033	127.816	TRUE	4.74E-29
FEV1	GSDMD	cg22312904	rs12681624	G	C	-0.546	0.032	0.150	2.19E-66	0.008	0.003	0.017	0.074	296.064	TRUE	2.01E-62
FEV1	GSDMD	cg22312904	rs13262652	C	G	0.343	0.059	0.043	7.09E-09	0.001	0.005	0.912	0.009	33.491	TRUE	9.44E-09
FEV1	GSDMD	cg22312904	rs144093946	C	T	0.535	0.097	0.014	3.80E-08	0.009	0.009	0.341	0.008	30.234	TRUE	7.72E-08
FEV1	GSDMD	cg22312904	rs1532038	A	G	-0.292	0.043	0.079	8.60E-12	-0.004	0.004	0.388	0.012	46.599	TRUE	2.12E-11

FEV1	GSDMD	cg22312904	rs2004099	G	T	0.156	0.024	0.405	6.73E-11	-0.005	0.002	0.059	0.011	42.573	TRUE	3.01E-10
FEV1	GSDMD	cg22312904	rs448340	G	A	0.170	0.024	0.402	5.32E-13	0.001	0.002	0.639	0.014	52.055	TRUE	1.08E-12
FEV1	GSDMD	cg22312904	rs4874171	C	T	0.258	0.024	0.375	4.32E-27	-0.007	0.002	0.002	0.030	116.128	TRUE	3.24E-25
FEV1	GSDMD	cg22312904	rs58472315	G	A	0.589	0.042	0.089	9.82E-46	-0.004	0.004	0.341	0.052	201.393	TRUE	5.65E-44
FEV1	GSDMD	cg22312904	rs59610542	G	A	-0.146	0.025	0.334	4.60E-09	0.004	0.003	0.121	0.009	34.334	TRUE	1.40E-08
FEV1	GSDMD	cg22312904	rs964195	C	T	0.593	0.024	0.334	2.11E-132	-0.005	0.003	0.063	0.139	599.216	TRUE	7.95E-123
FEV1	GSDMD	cg22995724	rs113715729	A	G	0.366	0.066	0.037	2.70E-08	-0.009	0.008	0.233	0.008	30.894	TRUE	6.27E-08
FEV1	GSDMD	cg22995724	rs11782442	T	C	0.859	0.033	0.131	3.57E-152	-0.004	0.003	0.310	0.157	690.074	TRUE	3.60E-141
FEV1	GSDMD	cg22995724	rs12680498	A	G	0.188	0.024	0.448	1.67E-15	-0.002	0.002	0.308	0.017	63.380	TRUE	5.93E-15
FEV1	GSDMD	cg22995724	rs12681624	G	C	-0.921	0.031	0.150	3.91E-200	0.008	0.003	0.017	0.198	910.549	TRUE	5.14E-181
FEV1	GSDMD	cg22995724	rs139312283	T	C	0.799	0.102	0.014	4.23E-15	-0.008	0.009	0.392	0.016	61.556	TRUE	1.30E-14
FEV1	GSDMD	cg22995724	rs35194198	G	A	-0.148	0.025	0.322	4.77E-09	0.005	0.003	0.033	0.009	34.264	TRUE	1.98E-08
FEV1	GSDMD	cg22995724	rs3750204	A	G	0.226	0.028	0.233	7.54E-16	-0.001	0.003	0.790	0.017	64.951	TRUE	1.54E-15
FEV1	GSDMD	cg22995724	rs4242490	A	C	0.259	0.026	0.264	1.24E-22	0.007	0.003	0.007	0.025	95.797	TRUE	3.69E-21
FEV1	GSDMD	cg22995724	rs4874147	T	C	0.166	0.026	0.269	2.65E-10	0.001	0.003	0.763	0.011	39.899	TRUE	4.21E-10
FEV1	GSDMD	cg22995724	rs4874150	G	A	-0.208	0.026	0.275	1.70E-15	0.000	0.003	0.897	0.017	63.355	TRUE	3.06E-15
FEV1	GSDMD	cg22995724	rs59795540	A	C	0.412	0.043	0.083	1.33E-21	0.011	0.004	0.012	0.024	91.106	TRUE	2.92E-20
FEV1	GSDMD	cg22995724	rs62524034	A	G	-0.177	0.032	0.152	2.75E-08	-0.002	0.003	0.591	0.008	30.863	TRUE	4.52E-08
FEV1	GSDMD	cg22995724	rs72691637	A	G	-0.218	0.030	0.200	2.13E-13	0.006	0.003	0.053	0.014	53.855	TRUE	1.21E-12
FEV1	GSDMD	cg22995724	rs72695731	T	C	-0.905	0.140	0.016	1.01E-10	0.003	0.009	0.734	0.011	41.785	TRUE	1.67E-10
FEV1	GSDMD	cg22995724	rs78856028	A	G	0.205	0.033	0.154	3.14E-10	-0.001	0.003	0.786	0.011	39.565	TRUE	4.90E-10
FEV1	GSDMD	cg22995724	rs872935	G	A	0.431	0.024	0.372	1.18E-69	-0.005	0.002	0.036	0.078	311.066	TRUE	1.18E-65
FEV1	GSDMD	cg22995724	rs923326	G	C	0.182	0.024	0.397	3.66E-14	-0.005	0.002	0.041	0.015	57.312	TRUE	2.48E-13
FEV1	GSDMD	cg26173173	rs113990650	T	C	-0.201	0.032	0.150	3.16E-10	0.008	0.003	0.011	0.011	39.551	TRUE	1.94E-09
FEV1	GSDMD	cg26173173	rs11551200	T	C	-0.551	0.068	0.028	6.80E-16	-0.009	0.007	0.206	0.017	65.156	TRUE	3.04E-15
FEV1	GSTP1	cg05244766	rs117303800	T	A	-0.170	0.028	0.218	1.47E-09	0.018	0.003	5.37E-10	0.010	36.549	TRUE	5.97E-08
FEV1	GSTP1	cg05244766	rs1254125	G	A	0.276	0.044	0.070	2.63E-10	0.000	0.005	0.931	0.011	39.906	TRUE	3.67E-10
FEV1	GSTP1	cg05244766	rs72932599	C	G	-0.226	0.041	0.087	2.78E-08	0.002	0.004	0.666	0.008	30.838	TRUE	4.33E-08
FEV1	GSTP1	cg05244766	rs72932799	T	C	-0.259	0.043	0.075	2.79E-09	0.019	0.004	1.81E-05	0.009	35.307	TRUE	3.89E-08
FEV1	GSTP1	cg05244766	rs7941648	T	C	-0.371	0.023	0.443	9.49E-59	0.006	0.002	0.010	0.066	261.040	TRUE	3.13E-55
FEV1	GSTP1	cg06928838	rs4930436	A	G	0.303	0.023	0.448	1.45E-39	0.006	0.002	0.010	0.045	173.141	TRUE	3.01E-37
FEV1	GSTP1	cg09038676	rs113663779	G	A	0.159	0.026	0.303	8.50E-10	0.001	0.003	0.651	0.010	37.622	TRUE	1.45E-09
FEV1	GSTP1	cg09038676	rs36051467	T	C	0.338	0.052	0.058	6.86E-11	-0.014	0.005	0.009	0.011	42.536	TRUE	4.75E-10
FEV1	GSTP1	cg09038676	rs4930436	A	G	0.490	0.023	0.448	1.54E-102	0.006	0.002	0.010	0.111	462.023	TRUE	1.94E-95
FEV1	GSTP1	cg09038676	rs55657661	T	C	0.324	0.044	0.079	1.09E-13	0.022	0.005	1.99E-06	0.015	55.169	TRUE	4.43E-12
FEV1	GSTP1	cg09038676	rs72932599	C	G	0.235	0.041	0.087	9.71E-09	0.002	0.004	0.666	0.009	32.880	TRUE	1.55E-08
FEV1	GSTP1	cg09038676	rs78144798	A	G	0.157	0.028	0.217	3.14E-08	0.018	0.003	6.63E-10	0.008	30.604	TRUE	8.91E-07
FEV1	GSTP1	cg09038676	rs7940103	A	T	0.350	0.046	0.067	4.35E-14	0.005	0.004	0.221	0.015	56.975	TRUE	1.63E-13
FEV1	GSTP1	cg11566244	rs10896216	G	A	0.183	0.024	0.461	8.88E-15	0.002	0.002	0.356	0.016	60.097	TRUE	2.80E-14
FEV1	GSTP1	cg11566244	rs113663779	G	A	0.165	0.026	0.303	2.06E-10	0.001	0.003	0.651	0.011	40.387	TRUE	3.62E-10
FEV1	GSTP1	cg11566244	rs117400987	T	G	0.517	0.095	0.017	4.96E-08	0.021	0.009	0.028	0.008	29.715	TRUE	1.92E-07
FEV1	GSTP1	cg11566244	rs12807979	C	A	-0.224	0.039	0.092	1.12E-08	0.000	0.004	0.965	0.009	32.603	TRUE	1.43E-08

FEV1	GSTP1	cg11566244	rs138770192	C	T	0.360	0.044	0.079	4.34E-16	0.012	0.004	0.006	0.018	66.038	TRUE	6.25E-15
FEV1	GSTP1	cg11566244	rs36051467	T	C	0.472	0.052	0.058	9.07E-20	-0.014	0.005	0.009	0.022	82.758	TRUE	1.80E-18
FEV1	GSTP1	cg11566244	rs4930436	A	G	0.743	0.021	0.448	4.20E-285	0.006	0.002	0.010	0.260	1301.274	TRUE	6.85E-251
FEV1	GSTP1	cg11566244	rs55657661	T	C	0.436	0.044	0.079	2.14E-23	0.022	0.005	1.99E-06	0.026	99.277	TRUE	4.45E-21
FEV1	GSTP1	cg11566244	rs604232	T	C	-0.320	0.044	0.071	4.12E-13	0.001	0.005	0.811	0.014	52.555	TRUE	7.24E-13
FEV1	GSTP1	cg11566244	rs7106145	C	G	-0.258	0.039	0.105	2.79E-11	-0.008	0.004	0.044	0.012	44.292	TRUE	1.37E-10
FEV1	GSTP1	cg11566244	rs72932599	C	G	0.330	0.041	0.087	1.05E-15	0.002	0.004	0.666	0.017	64.294	TRUE	2.47E-15
FEV1	GSTP1	cg11566244	rs78144798	A	G	0.257	0.028	0.217	1.83E-19	0.018	0.003	6.63E-10	0.022	81.375	TRUE	6.19E-17
FEV1	GSTP1	cg11566244	rs7940103	A	T	0.541	0.046	0.067	1.73E-31	0.005	0.004	0.221	0.036	136.213	TRUE	3.02E-30
FEV1	GSTP1	cg14921275	rs10791902	T	C	0.215	0.037	0.443	4.33E-09	-0.012	0.002	1.33E-06	0.009	34.452	TRUE	8.22E-08
FEV1	GSTP1	cg14921275	rs10896181	T	C	-0.312	0.023	0.445	9.54E-42	0.006	0.002	0.011	0.047	183.134	TRUE	2.50E-39
FEV1	GSTP1	cg14921275	rs2447587	T	C	-0.256	0.045	0.070	9.13E-09	-0.001	0.005	0.866	0.009	33.000	TRUE	1.25E-08
FEV1	GSTP1	cg14921275	rs688878	G	A	0.260	0.044	0.070	2.39E-09	0.001	0.004	0.838	0.010	35.605	TRUE	3.43E-09
FEV1	GSTP1	cg19114214	rs117216574	T	C	-0.285	0.044	0.078	5.59E-11	0.018	0.004	2.87E-05	0.011	42.936	TRUE	1.00E-09
FEV1	GSTP1	cg19114214	rs656652	T	C	0.356	0.023	0.484	4.02E-53	-0.006	0.002	0.012	0.060	235.243	TRUE	5.79E-50
FEV1	GSTP1	cg19114214	rs694616	A	C	-0.317	0.045	0.069	1.22E-12	0.001	0.005	0.852	0.013	50.427	TRUE	2.00E-12
FEV1	GSTP1	cg19114214	rs78144798	A	G	-0.182	0.028	0.217	1.57E-10	0.018	0.003	6.63E-10	0.011	40.917	TRUE	7.90E-09
FEV1	GSTP1	cg23725454	rs10896216	G	A	-0.156	0.024	0.461	4.06E-11	0.002	0.002	0.356	0.012	43.560	TRUE	9.91E-11
FEV1	GSTP1	cg23725454	rs111451035	C	T	-0.244	0.036	0.123	2.17E-11	0.015	0.004	5.20E-05	0.012	44.790	TRUE	3.80E-10
FEV1	GSTP1	cg23725454	rs11604706	A	G	-0.398	0.048	0.059	5.43E-17	0.001	0.005	0.895	0.019	70.137	TRUE	1.07E-16
FEV1	GSTP1	cg23725454	rs117125310	A	G	0.384	0.056	0.044	5.64E-12	-0.024	0.006	3.54E-05	0.013	47.426	TRUE	1.15E-10
FEV1	GSTP1	cg23725454	rs143768760	T	C	-0.592	0.089	0.017	3.59E-11	-0.012	0.009	0.166	0.012	43.804	TRUE	1.19E-10
FEV1	GSTP1	cg23725454	rs17148450	C	G	0.288	0.041	0.084	2.74E-12	-0.014	0.004	4.81E-04	0.013	48.837	TRUE	4.00E-11
FEV1	GSTP1	cg23725454	rs2514047	T	A	-0.221	0.025	0.372	1.94E-19	0.001	0.002	0.749	0.021	81.257	TRUE	5.23E-19
FEV1	GSTP1	cg23725454	rs34775878	A	G	0.219	0.039	0.092	1.86E-08	0.001	0.004	0.750	0.008	31.618	TRUE	2.73E-08
FEV1	GSTP1	cg23725454	rs36051467	T	C	-0.433	0.052	0.058	7.21E-17	-0.014	0.005	0.009	0.018	69.577	TRUE	1.02E-15
FEV1	GSTP1	cg23725454	rs56031100	A	G	-0.356	0.039	0.103	2.37E-20	0.006	0.004	0.148	0.023	85.413	TRUE	1.80E-19
FEV1	GSTP1	cg23725454	rs567957077	T	C	-0.417	0.058	0.043	4.46E-13	0.012	0.006	0.034	0.014	52.403	TRUE	2.82E-12
FEV1	GSTP1	cg23725454	rs574283320	C	T	0.555	0.092	0.017	1.37E-09	0.020	0.010	0.037	0.010	36.695	TRUE	5.90E-09
FEV1	GSTP1	cg23725454	rs608248	C	T	0.238	0.024	0.389	3.16E-23	-0.009	0.002	1.26E-04	0.026	98.501	TRUE	2.86E-21
FEV1	GSTP1	cg23725454	rs684928	A	G	0.772	0.020	0.482	<1E-200	-0.006	0.002	0.009	0.285	1474.119	TRUE	1.53E-280
FEV1	GSTP1	cg23725454	rs72932730	A	G	-0.433	0.031	0.165	2.02E-45	0.010	0.003	8.50E-04	0.051	199.954	TRUE	2.48E-42
FEV1	GSTP1	cg23725454	rs7932636	G	A	-0.276	0.039	0.100	2.07E-12	0.001	0.004	0.740	0.013	49.389	TRUE	3.75E-12
FEV1	GSTP1	cg23725454	rs79576315	T	C	0.416	0.060	0.079	2.95E-12	-0.001	0.004	0.877	0.013	48.697	TRUE	4.69E-12
FEV1	GSTP1	cg25135322	rs10896216	G	A	-0.129	0.024	0.461	4.91E-08	0.002	0.002	0.356	0.008	29.735	TRUE	9.70E-08
FEV1	GSTP1	cg25135322	rs111451035	C	T	-0.272	0.036	0.123	9.19E-14	0.015	0.004	5.20E-05	0.015	55.503	TRUE	2.37E-12
FEV1	GSTP1	cg25135322	rs11227637	G	C	0.355	0.057	0.045	5.98E-10	0.000	0.005	0.973	0.010	38.306	TRUE	7.96E-10
FEV1	GSTP1	cg25135322	rs1127145	A	G	-0.233	0.031	0.169	7.99E-14	0.018	0.003	3.85E-09	0.015	55.778	TRUE	7.40E-12
FEV1	GSTP1	cg25135322	rs113663779	G	A	-0.213	0.026	0.303	1.87E-16	0.001	0.003	0.651	0.018	67.700	TRUE	4.66E-16
FEV1	GSTP1	cg25135322	rs11603033	G	A	-0.180	0.031	0.180	3.80E-09	0.008	0.003	0.011	0.009	34.704	TRUE	2.02E-08
FEV1	GSTP1	cg25135322	rs11604706	A	G	-0.290	0.048	0.059	1.23E-09	0.001	0.005	0.895	0.010	36.905	TRUE	1.70E-09
FEV1	GSTP1	cg25135322	rs117125310	A	G	0.327	0.056	0.044	4.78E-09	-0.024	0.006	3.54E-05	0.009	34.258	TRUE	5.89E-08

FEV1	GSTP1	cg25135322	rs12795957	A	G	-0.418	0.050	0.059	1.23E-16	-0.014	0.005	0.009	0.018	68.518	TRUE	1.72E-15
FEV1	GSTP1	cg25135322	rs12807979	C	A	0.215	0.039	0.092	4.14E-08	0.000	0.004	0.965	0.008	30.065	TRUE	5.18E-08
FEV1	GSTP1	cg25135322	rs143510168	A	G	0.779	0.143	0.014	4.77E-08	0.000	0.014	0.996	0.008	29.793	TRUE	5.81E-08
FEV1	GSTP1	cg25135322	rs17148450	C	G	0.235	0.041	0.084	1.30E-08	-0.014	0.004	4.81E-04	0.009	32.307	TRUE	1.08E-07
FEV1	GSTP1	cg25135322	rs366136	G	A	-0.361	0.060	0.039	1.31E-09	0.014	0.006	0.032	0.010	36.777	TRUE	5.91E-09
FEV1	GSTP1	cg25135322	rs56031100	A	G	-0.285	0.039	0.103	1.39E-13	0.006	0.004	0.148	0.015	54.688	TRUE	5.86E-13
FEV1	GSTP1	cg25135322	rs608248	C	T	0.211	0.024	0.389	1.47E-18	-0.009	0.002	1.26E-04	0.020	77.251	TRUE	6.78E-17
FEV1	GSTP1	cg25135322	rs612162	A	G	-0.273	0.045	0.068	1.16E-09	0.001	0.005	0.895	0.010	37.013	TRUE	1.62E-09
FEV1	GSTP1	cg25135322	rs72932730	A	G	-0.359	0.031	0.165	1.22E-31	0.010	0.003	8.50E-04	0.036	136.901	TRUE	2.08E-29
FEV1	GSTP1	cg25135322	rs7932636	G	A	-0.239	0.039	0.100	1.07E-09	0.001	0.004	0.740	0.010	37.179	TRUE	1.68E-09
FEV1	GSTP1	cg25866895	rs10896216	G	A	-0.227	0.024	0.461	4.85E-22	0.002	0.002	0.356	0.025	93.100	TRUE	2.65E-21
FEV1	GSTP1	cg25866895	rs11227793	T	C	-0.825	0.020	0.430	<1E-200	0.008	0.002	9.69E-04	0.307	1638.021	TRUE	2.93E-307
FEV1	GSTP1	cg25866895	rs11604706	A	G	-0.568	0.047	0.059	2.83E-33	0.001	0.005	0.895	0.038	144.376	TRUE	1.69E-32
FEV1	GSTP1	cg25866895	rs117303800	T	A	-0.401	0.028	0.218	8.25E-46	0.018	0.003	5.37E-10	0.052	201.740	TRUE	4.40E-41
FEV1	GSTP1	cg25866895	rs117400987	T	G	-0.604	0.095	0.017	1.86E-10	0.021	0.009	0.028	0.011	40.583	TRUE	9.48E-10
FEV1	GSTP1	cg25866895	rs11820792	T	G	-0.574	0.029	0.201	1.49E-87	0.014	0.003	1.29E-06	0.096	393.203	TRUE	6.08E-80
FEV1	GSTP1	cg25866895	rs12795957	A	G	-0.570	0.050	0.059	9.72E-30	-0.014	0.005	0.009	0.034	128.217	TRUE	6.47E-28
FEV1	GSTP1	cg25866895	rs12807979	C	A	0.333	0.039	0.092	1.95E-17	0.000	0.004	0.965	0.019	72.152	TRUE	3.70E-17
FEV1	GSTP1	cg25866895	rs139324001	A	G	-0.514	0.081	0.027	2.28E-10	0.021	0.007	0.003	0.011	40.186	TRUE	1.83E-09
FEV1	GSTP1	cg25866895	rs140823225	A	G	-0.473	0.051	0.056	1.33E-20	0.014	0.005	0.005	0.023	86.553	TRUE	3.44E-19
FEV1	GSTP1	cg25866895	rs17148450	C	G	0.337	0.041	0.084	2.82E-16	-0.014	0.004	4.81E-04	0.018	66.888	TRUE	7.28E-15
FEV1	GSTP1	cg25866895	rs2514025	C	T	-0.304	0.024	0.426	1.12E-37	0.001	0.002	0.741	0.043	164.509	TRUE	1.26E-36
FEV1	GSTP1	cg25866895	rs34270544	A	G	0.694	0.094	0.015	1.32E-13	0.020	0.010	0.037	0.015	54.786	TRUE	8.72E-13
FEV1	GSTP1	cg25866895	rs4244818	C	T	-0.201	0.032	0.149	2.89E-10	-0.003	0.003	0.342	0.011	39.727	TRUE	6.86E-10
FEV1	GSTP1	cg25866895	rs72932599	C	G	-0.548	0.041	0.087	5.44E-41	0.002	0.004	0.666	0.046	179.671	TRUE	9.65E-40
FEV1	GSTP1	cg25866895	rs74835571	C	T	0.430	0.061	0.036	2.22E-12	-0.026	0.007	7.76E-05	0.013	49.257	TRUE	4.40E-11
FEV1	GSTP1	cg25866895	rs79576315	T	C	0.612	0.059	0.079	4.38E-25	-0.001	0.004	0.877	0.028	106.975	TRUE	1.46E-24
FEV1	GUSB	cg08769356	rs34848990	C	A	0.206	0.034	0.143	7.49E-10	0.001	0.003	0.874	0.010	37.867	TRUE	1.06E-09
FEV1	GUSB	cg08769356	rs56048419	G	A	0.138	0.025	0.331	2.93E-08	-0.003	0.003	0.167	0.008	30.740	TRUE	7.43E-08
FEV1	GUSB	cg08769356	rs75637349	T	C	0.840	0.055	0.046	6.74E-53	0.002	0.006	0.777	0.060	234.216	TRUE	3.55E-51
FEV1	GUSB	cg11987759	rs117510415	T	C	-0.540	0.047	0.068	1.19E-30	0.008	0.005	0.099	0.035	132.388	TRUE	2.98E-29
FEV1	GUSB	cg11987759	rs117539116	T	G	0.607	0.085	0.017	9.61E-13	0.005	0.010	0.611	0.014	50.895	TRUE	1.99E-12
FEV1	GUSB	cg11987759	rs117994368	G	A	0.607	0.072	0.024	3.63E-17	0.009	0.007	0.227	0.019	70.930	TRUE	1.73E-16
FEV1	GUSB	cg11987759	rs13228133	C	T	-0.725	0.038	0.096	1.81E-79	0.000	0.004	0.941	0.088	356.094	TRUE	2.72E-76
FEV1	GUSB	cg11987759	rs13228566	T	C	0.624	0.056	0.049	1.14E-28	-0.001	0.006	0.799	0.032	123.332	TRUE	5.39E-28
FEV1	GUSB	cg11987759	rs141779404	A	G	0.580	0.068	0.028	1.04E-17	-0.002	0.007	0.760	0.019	73.390	TRUE	2.48E-17
FEV1	GUSB	cg11987759	rs144964629	A	G	0.593	0.060	0.038	3.89E-23	0.007	0.007	0.311	0.026	98.089	TRUE	2.55E-22
FEV1	GUSB	cg11987759	rs185472655	G	C	-0.439	0.078	0.025	2.16E-08	0.000	0.008	0.990	0.008	31.325	TRUE	2.68E-08
FEV1	GUSB	cg11987759	rs186727034	T	C	-0.413	0.033	0.149	3.71E-36	-0.005	0.003	0.157	0.041	157.556	TRUE	1.29E-34
FEV1	GUSB	cg11987759	rs187963050	T	G	0.734	0.110	0.029	2.71E-11	0.005	0.007	0.451	0.012	44.353	TRUE	6.06E-11
FEV1	GUSB	cg11987759	rs190523594	C	T	-0.714	0.129	0.019	2.91E-08	-0.005	0.009	0.591	0.008	30.751	TRUE	4.75E-08
FEV1	GUSB	cg11987759	rs370971651	C	T	-0.533	0.057	0.040	9.38E-21	-0.002	0.006	0.731	0.023	87.242	TRUE	2.79E-20

FEV1	GUSB	cg11987759	rs375600228	C	T	0.510	0.057	0.046	1.83E-19	0.006	0.006	0.360	0.022	81.371	TRUE	8.17E-19
FEV1	GUSB	cg11987759	rs62456514	G	A	0.465	0.045	0.069	1.10E-24	0.005	0.005	0.283	0.028	105.148	TRUE	8.65E-24
FEV1	GUSB	cg11987759	rs73132632	T	A	0.455	0.054	0.052	2.22E-17	0.011	0.005	0.029	0.019	71.903	TRUE	2.29E-16
FEV1	GUSB	cg11987759	rs73141516	T	C	-0.584	0.049	0.058	7.56E-33	-0.003	0.005	0.546	0.037	142.423	TRUE	7.43E-32
FEV1	GUSB	cg11987759	rs77859463	G	A	-0.362	0.029	0.214	2.67E-36	-0.008	0.003	0.005	0.041	158.208	TRUE	4.85E-34
FEV1	GUSB	cg11987759	rs79871749	T	C	0.600	0.092	0.038	6.98E-11	0.008	0.007	0.216	0.011	42.502	TRUE	2.05E-10
FEV1	GUSB	cg15893346	rs12698551	C	T	-0.273	0.047	0.066	8.37E-09	-0.003	0.005	0.510	0.009	33.170	TRUE	1.50E-08
FEV1	GUSB	cg25588093	rs28565886	C	T	0.276	0.028	0.214	7.11E-23	0.007	0.003	0.010	0.026	96.898	TRUE	1.89E-21
FEV1	GUSB	cg25588093	rs34848990	C	A	0.350	0.034	0.143	2.37E-25	0.001	0.003	0.874	0.028	108.194	TRUE	7.93E-25
FEV1	GUSB	cg25588093	rs62469880	A	G	1.485	0.054	0.046	8.74E-167	0.001	0.006	0.863	0.170	757.234	TRUE	6.82E-155
FEV1	GUSB	cg25588093	rs6460317	G	A	0.213	0.025	0.319	3.00E-17	-0.001	0.003	0.592	0.019	71.304	TRUE	8.24E-17
FEV1	GZMB	cg03875678	rs10483287	C	T	0.224	0.040	0.098	2.19E-08	-0.005	0.004	0.166	0.008	31.302	TRUE	5.73E-08
FEV1	GZMB	cg03875678	rs12896123	A	G	0.225	0.023	0.470	1.16E-21	-0.007	0.002	0.005	0.024	91.371	TRUE	3.43E-20
FEV1	GZMB	cg03875678	rs2273843	C	T	0.629	0.036	0.118	3.53E-68	-0.001	0.004	0.818	0.076	304.290	TRUE	1.24E-65
FEV1	GZMB	cg08766149	rs2273843	C	T	0.312	0.037	0.118	1.46E-17	-0.001	0.004	0.818	0.019	72.727	TRUE	3.20E-17
FEV1	GZMB	cg08766149	rs8004747	A	T	-0.218	0.024	0.389	1.93E-20	0.005	0.002	0.038	0.023	85.817	TRUE	2.49E-19
FEV1	GZMB	cg16212145	rs7144366	T	C	0.277	0.024	0.398	1.59E-31	-0.006	0.002	0.016	0.036	136.380	TRUE	9.81E-30
FEV1	GZMB	cg16212145	rs72681022	G	A	-0.216	0.036	0.115	1.52E-09	0.007	0.004	0.053	0.010	36.491	TRUE	5.93E-09
FEV1	GZMB	cg18118198	rs1951594	C	A	0.189	0.025	0.324	9.10E-14	-0.006	0.003	0.015	0.015	55.523	TRUE	7.61E-13
FEV1	GZMB	cg18118198	rs2236337	C	T	-0.571	0.028	0.231	5.40E-94	0.004	0.003	0.192	0.103	422.780	TRUE	9.97E-89
FEV1	GZMB	cg18118198	rs3742520	A	C	-0.149	0.023	0.446	1.85E-10	0.004	0.002	0.060	0.011	40.597	TRUE	7.90E-10
FEV1	GZMB	cg18118198	rs5250	A	G	-0.310	0.036	0.123	1.26E-17	-0.002	0.004	0.536	0.019	73.009	TRUE	3.83E-17
FEV1	GZMB	cg18118198	rs61978977	A	C	0.155	0.028	0.222	2.03E-08	0.003	0.003	0.371	0.008	31.448	TRUE	4.06E-08
FEV1	GZMB	cg18118198	rs72681050	G	A	-0.681	0.094	0.022	3.94E-13	0.003	0.008	0.752	0.014	52.644	TRUE	7.25E-13
FEV1	HEXB	cg03235083	rs11743615	T	C	-0.297	0.036	0.121	1.49E-16	-0.001	0.004	0.880	0.018	68.146	TRUE	2.90E-16
FEV1	HEXB	cg03235083	rs13360054	G	A	0.225	0.025	0.310	1.87E-19	0.000	0.003	0.966	0.022	81.328	TRUE	3.91E-19
FEV1	HEXB	cg03235083	rs62366376	C	T	-0.272	0.039	0.090	4.74E-12	0.002	0.004	0.694	0.013	47.768	TRUE	8.66E-12
FEV1	HEXB	cg03235083	rs71627068	C	T	-0.647	0.023	0.427	3.05E-176	0.003	0.002	0.168	0.178	800.706	TRUE	9.01E-162
FEV1	HEXB	cg05552569	rs71627068	C	T	-0.311	0.024	0.427	4.52E-39	0.003	0.002	0.168	0.044	170.888	TRUE	2.10E-37
FEV1	HEXB	cg08868930	rs55996695	A	G	-0.209	0.035	0.125	3.22E-09	0.001	0.004	0.892	0.009	35.030	TRUE	4.42E-09
FEV1	HEXB	cg08868930	rs820867	T	C	-0.292	0.024	0.426	2.55E-35	0.003	0.002	0.187	0.040	153.722	TRUE	7.12E-34
FEV1	HEXB	cg21230774	rs16872198	G	A	-0.223	0.030	0.171	1.85E-13	-0.002	0.003	0.483	0.014	54.132	TRUE	4.59E-13
FEV1	HEXB	cg21230774	rs820871	T	C	0.412	0.026	0.256	4.90E-55	0.006	0.003	0.035	0.062	244.015	TRUE	4.61E-52
FEV1	HEXB	cg26333638	rs13181798	T	C	-0.168	0.027	0.237	9.06E-10	-0.004	0.003	0.196	0.010	37.497	TRUE	2.57E-09
FEV1	HIF1A	cg04509825	rs10139578	C	G	0.465	0.050	0.053	2.32E-20	0.011	0.005	0.045	0.023	85.448	TRUE	2.92E-19
FEV1	HIF1A	cg23174662	rs710035	T	C	0.314	0.027	0.234	1.19E-30	0.000	0.003	0.935	0.035	132.386	TRUE	5.41E-30
FEV1	HINT1	cg07158495	rs2278058	C	G	-0.221	0.030	0.202	8.93E-14	0.008	0.003	0.006	0.015	55.559	TRUE	9.15E-13
FEV1	HINT1	cg07158495	rs6596032	A	G	-0.182	0.030	0.192	9.73E-10	0.011	0.003	1.64E-04	0.010	37.359	TRUE	1.07E-08
FEV1	HINT1	cg08523029	rs11242026	T	C	-0.242	0.028	0.239	2.10E-18	-0.004	0.003	0.160	0.020	76.549	TRUE	1.34E-17
FEV1	HINT1	cg08523029	rs114142152	G	A	-1.274	0.165	0.011	1.01E-14	-0.003	0.012	0.805	0.016	59.845	TRUE	1.93E-14
FEV1	HINT1	cg08523029	rs115866564	A	G	-0.627	0.083	0.020	4.44E-14	0.013	0.008	0.089	0.015	56.932	TRUE	2.35E-13
FEV1	HINT1	cg08523029	rs116518715	T	C	-0.590	0.080	0.019	2.10E-13	0.004	0.007	0.603	0.014	53.880	TRUE	4.55E-13

FEV1	HINT1	cg08523029	rs138203227	T	C	0.257	0.037	0.116	6.24E-12	0.005	0.004	0.183	0.013	47.227	TRUE	2.14E-11
FEV1	HINT1	cg08523029	rs1557759	G	A	-0.182	0.027	0.249	1.83E-11	0.008	0.003	0.002	0.012	45.119	TRUE	1.84E-10
FEV1	HINT1	cg08523029	rs17169131	C	G	-0.954	0.025	0.204	<1E-200	0.007	0.003	0.009	0.284	1467.221	TRUE	2.23E-279
FEV1	HINT1	cg08523029	rs247276	T	C	-0.221	0.031	0.180	5.15E-13	0.017	0.003	2.72E-08	0.014	52.119	TRUE	3.23E-11
FEV1	HINT1	cg08523029	rs39897	C	T	-0.197	0.024	0.459	2.50E-16	0.005	0.002	0.039	0.018	67.126	TRUE	2.18E-15
FEV1	HINT1	cg08523029	rs61256039	T	C	0.192	0.029	0.210	2.69E-11	0.002	0.003	0.453	0.012	44.369	TRUE	6.00E-11
FEV1	HINT1	cg08523029	rs80310948	A	G	-0.693	0.092	0.018	4.12E-14	0.017	0.009	0.062	0.015	57.080	TRUE	2.46E-13
FEV1	HIP1	cg00361176	rs10277880	A	G	0.233	0.034	0.132	5.94E-12	0.008	0.003	0.014	0.013	47.322	TRUE	4.23E-11
FEV1	HIP1	cg00361176	rs4731235	G	C	-0.206	0.027	0.246	1.19E-14	0.001	0.003	0.722	0.016	59.518	TRUE	2.49E-14
FEV1	HIP1	cg01621268	rs1183821	G	A	-0.140	0.024	0.441	3.09E-09	0.006	0.002	0.007	0.009	35.109	TRUE	1.73E-08
FEV1	HIP1	cg05145297	rs10277880	A	G	0.397	0.034	0.132	2.04E-32	0.008	0.003	0.014	0.037	140.451	TRUE	1.56E-30
FEV1	HIP1	cg05145297	rs4731235	G	C	-0.272	0.027	0.246	1.82E-24	0.001	0.003	0.722	0.027	104.158	TRUE	7.12E-24
FEV1	HIP1	cg05857060	rs1183821	G	A	-0.189	0.024	0.441	9.12E-16	0.006	0.002	0.007	0.017	64.577	TRUE	1.13E-14
FEV1	HIP1	cg07211516	rs10247854	G	C	0.223	0.030	0.166	2.56E-13	-0.004	0.003	0.160	0.014	53.489	TRUE	1.01E-12
FEV1	HIP1	cg07211516	rs10248736	A	G	-0.291	0.032	0.148	2.57E-19	-0.002	0.003	0.505	0.021	80.697	TRUE	9.25E-19
FEV1	HIP1	cg07211516	rs10273662	T	C	-0.235	0.032	0.145	1.96E-13	0.008	0.003	0.010	0.014	54.011	TRUE	1.75E-12
FEV1	HIP1	cg07211516	rs10277452	T	C	0.229	0.026	0.264	2.90E-18	-0.002	0.003	0.552	0.020	75.913	TRUE	9.04E-18
FEV1	HIP1	cg07211516	rs12534422	T	C	-0.266	0.024	0.329	2.89E-28	0.004	0.003	0.093	0.032	121.487	TRUE	5.92E-27
FEV1	HIP1	cg07211516	rs2705777	A	G	0.127	0.023	0.489	4.55E-08	0.000	0.002	0.887	0.008	29.882	TRUE	5.92E-08
FEV1	HIP1	cg07211516	rs2705790	T	C	0.701	0.023	0.338	1.64E-199	-0.007	0.003	0.007	0.197	907.682	TRUE	3.67E-180
FEV1	HIP1	cg07211516	rs6948559	T	C	-0.276	0.040	0.087	3.91E-12	-0.005	0.004	0.173	0.013	48.141	TRUE	1.37E-11
FEV1	HIP1	cg07211516	rs7794510	T	C	-0.254	0.044	0.070	7.65E-09	0.005	0.005	0.328	0.009	33.345	TRUE	1.65E-08
FEV1	HIP1	cg07928105	rs10216078	T	C	-0.323	0.041	0.082	5.67E-15	0.010	0.004	0.022	0.016	60.980	TRUE	5.14E-14
FEV1	HIP1	cg13702357	rs10236433	G	A	-0.391	0.053	0.050	2.29E-13	0.005	0.005	0.282	0.014	53.707	TRUE	7.34E-13
FEV1	HIP1	cg14177084	rs10230553	T	C	0.316	0.041	0.082	2.46E-14	0.009	0.004	0.031	0.015	58.096	TRUE	1.88E-13
FEV1	HIP1	cg14177084	rs1183821	G	A	0.351	0.023	0.441	2.26E-51	0.006	0.002	0.007	0.058	227.226	TRUE	2.72E-48
FEV1	HIP1	cg14177084	rs62477719	A	G	-0.147	0.024	0.410	6.22E-10	-0.002	0.002	0.518	0.010	38.231	TRUE	1.20E-09
FEV1	HIP1	cg16561155	rs191266096	T	C	0.237	0.028	0.234	1.53E-17	-0.002	0.003	0.510	0.019	72.634	TRUE	4.78E-17
FEV1	HIP1	cg17787366	rs2079205	A	C	0.281	0.023	0.395	2.28E-33	0.003	0.002	0.202	0.038	144.807	TRUE	4.93E-32
FEV1	HIP1	cg18724912	rs10215166	C	A	0.309	0.042	0.080	1.09E-13	0.010	0.004	0.029	0.015	55.160	TRUE	7.79E-13
FEV1	HIP1	cg18724912	rs10278376	T	G	-0.592	0.053	0.049	6.75E-29	0.005	0.005	0.281	0.033	124.371	TRUE	7.85E-28
FEV1	HIP1	cg19507725	rs12154679	T	C	0.441	0.031	0.152	5.31E-45	0.003	0.003	0.421	0.051	198.035	TRUE	2.36E-43
FEV1	HIP1	cg22605936	rs2696207	G	A	0.168	0.025	0.340	1.04E-11	-0.007	0.003	0.006	0.012	46.229	TRUE	8.43E-11
FEV1	HIP1	cg23657377	rs10230553	T	C	-0.364	0.041	0.082	5.91E-19	0.009	0.004	0.031	0.021	79.056	TRUE	7.37E-18
FEV1	HIP1	cg23657377	rs6945947	C	T	-0.141	0.025	0.327	9.89E-09	0.003	0.003	0.195	0.009	32.846	TRUE	2.56E-08
FEV1	HIP1	cg26406292	rs10247961	T	C	-0.259	0.033	0.145	6.01E-15	-0.003	0.003	0.380	0.016	60.865	TRUE	1.87E-14
FEV1	HIP1	cg26406292	rs13228140	G	C	0.159	0.025	0.347	8.00E-11	0.003	0.003	0.297	0.011	42.234	TRUE	2.07E-10
FEV1	HIP1	cg27531731	rs10261914	A	G	-0.291	0.032	0.146	1.84E-19	0.008	0.003	0.011	0.022	81.364	TRUE	3.20E-18
FEV1	HIP1	cg27531731	rs2079205	A	C	-0.171	0.024	0.395	7.50E-13	0.003	0.002	0.202	0.014	51.380	TRUE	2.59E-12
FEV1	HIP1R	cg02358858	rs2343686	T	C	-1.443	0.166	0.010	4.05E-18	-0.005	0.012	0.702	0.020	75.257	TRUE	1.04E-17
FEV1	HIP1R	cg06927717	rs12313006	T	C	0.383	0.052	0.062	2.56E-13	-0.001	0.005	0.824	0.014	53.489	TRUE	4.47E-13
FEV1	HIP1R	cg07706471	rs2100500	C	G	0.583	0.052	0.056	8.05E-29	-0.001	0.005	0.925	0.032	124.023	TRUE	3.29E-28

FEV1	HIP1R	cg08756735	rs11061056	A	G	0.568	0.073	0.027	6.61E-15	-0.029	0.007	8.57E-06	0.016	60.679	TRUE	2.73E-13
FEV1	HIP1R	cg18912006	rs11057258	C	A	-0.520	0.070	0.033	1.06E-13	-0.007	0.007	0.365	0.015	55.227	TRUE	3.06E-13
FEV1	HIP1R	cg18912006	rs12229119	G	A	-1.181	0.122	0.011	2.75E-22	-0.003	0.013	0.799	0.025	94.219	TRUE	8.33E-22
FEV1	HIP1R	cg18912006	rs184652369	G	A	-0.294	0.048	0.063	1.27E-09	-0.003	0.006	0.594	0.010	36.842	TRUE	2.22E-09
FEV1	HIP1R	cg18912006	rs200230649	C	T	-0.168	0.024	0.415	9.29E-13	0.004	0.002	0.119	0.014	50.961	TRUE	3.89E-12
FEV1	HIP1R	cg18912006	rs4759354	A	G	-1.647	0.050	0.055	1.16E-238	-0.002	0.005	0.681	0.227	1087.695	TRUE	7.45E-216
FEV1	HIP1R	cg18912006	rs61955214	T	C	-0.221	0.025	0.326	3.44E-18	-0.011	0.003	1.69E-05	0.020	75.579	TRUE	2.28E-16
FEV1	HIP1R	cg18912006	rs7307887	C	T	-0.149	0.026	0.288	1.25E-08	-0.001	0.003	0.601	0.009	32.391	TRUE	2.06E-08
FEV1	HIP1R	cg18912006	rs73226103	G	C	0.366	0.048	0.064	4.12E-14	0.012	0.005	0.010	0.015	57.081	TRUE	4.05E-13
FEV1	HIP1R	cg19340625	rs11058014	T	C	0.426	0.064	0.032	3.42E-11	0.001	0.006	0.918	0.012	43.899	TRUE	4.97E-11
FEV1	HIP1R	cg19340625	rs11060406	T	C	1.079	0.065	0.029	1.46E-61	-0.027	0.006	1.16E-05	0.069	273.931	TRUE	1.34E-56
FEV1	HIP1R	cg19340625	rs7954704	G	A	0.288	0.040	0.099	9.27E-13	-0.012	0.004	0.002	0.014	50.964	TRUE	1.07E-11
FEV1	HIP1R	cg21167157	rs10744422	T	C	-0.397	0.038	0.116	3.29E-25	-0.001	0.004	0.708	0.028	107.540	TRUE	1.36E-24
FEV1	HIP1R	cg21167157	rs74615202	G	T	-0.348	0.056	0.056	5.01E-10	0.008	0.006	0.132	0.010	38.652	TRUE	1.61E-09
FEV1	HIP1R	cg22842854	rs12313006	T	C	0.775	0.051	0.062	1.00E-51	-0.001	0.005	0.824	0.058	228.843	TRUE	4.19E-50
FEV1	HIP1R	cg22842854	rs61956095	T	C	0.584	0.104	0.015	2.26E-08	-0.001	0.009	0.933	0.008	31.243	TRUE	2.91E-08
FEV1	HIP1R	cg22842854	rs839354	C	T	0.279	0.048	0.063	7.73E-09	-0.005	0.005	0.348	0.009	33.325	TRUE	1.63E-08
FEV1	HIP1R	cg23970703	rs10848076	G	A	0.238	0.043	0.090	3.39E-08	-0.008	0.004	0.070	0.008	30.453	TRUE	1.09E-07
FEV1	HIP1R	cg23970703	rs12313006	T	C	0.590	0.052	0.062	8.89E-30	-0.001	0.005	0.824	0.034	128.394	TRUE	4.45E-29
FEV1	HIP1R	cg23970703	rs1983098	G	A	0.274	0.046	0.077	1.78E-09	-0.005	0.005	0.290	0.010	36.178	TRUE	4.18E-09
FEV1	HIP1R	cg25930673	rs548349	T	C	0.325	0.049	0.061	2.03E-11	-0.005	0.005	0.340	0.012	44.921	TRUE	5.19E-11
FEV1	HIP1R	cg25930673	rs61956095	T	C	0.731	0.104	0.015	2.44E-12	-0.001	0.009	0.933	0.013	49.064	TRUE	3.71E-12
FEV1	HIP1R	cg25930673	rs73421642	C	G	0.929	0.052	0.057	1.15E-72	0.000	0.005	0.955	0.081	324.871	TRUE	5.92E-70
FEV1	HIP1R	cg25930673	rs7967318	C	T	0.154	0.023	0.462	4.20E-11	-0.004	0.002	0.125	0.012	43.497	TRUE	1.52E-10
FEV1	HIP1R	cg26682900	rs7487095	A	G	0.389	0.046	0.074	1.55E-17	-0.002	0.005	0.614	0.019	72.611	TRUE	4.30E-17
FEV1	HIPK2	cg00363312	rs10247507	A	G	0.230	0.034	0.140	1.18E-11	0.001	0.003	0.838	0.012	45.973	TRUE	1.89E-11
FEV1	HIPK2	cg00363312	rs10954651	G	T	-0.353	0.034	0.335	9.22E-26	0.001	0.003	0.791	0.029	110.062	TRUE	3.63E-25
FEV1	HIPK2	cg00363312	rs7781224	G	T	0.198	0.032	0.165	7.97E-10	0.006	0.003	0.046	0.010	37.748	TRUE	3.36E-09
FEV1	HIPK2	cg01581050	rs74531640	G	A	-0.733	0.100	0.016	2.33E-13	-0.011	0.010	0.247	0.014	53.674	TRUE	7.86E-13
FEV1	HIPK2	cg03202545	rs10954654	T	C	0.194	0.027	0.264	4.83E-13	0.006	0.003	0.018	0.014	52.244	TRUE	3.56E-12
FEV1	HIPK2	cg03224163	rs1860509	G	T	-0.183	0.030	0.184	7.81E-10	0.013	0.003	1.26E-05	0.010	37.787	TRUE	1.25E-08
FEV1	HIPK2	cg03369382	rs11769961	C	A	-0.164	0.030	0.190	4.35E-08	0.012	0.003	3.05E-05	0.008	29.972	TRUE	4.51E-07
FEV1	HIPK2	cg03520802	rs193076588	G	C	-0.536	0.085	0.020	2.61E-10	-0.005	0.009	0.545	0.011	39.925	TRUE	4.97E-10
FEV1	HIPK2	cg03520802	rs73156837	A	G	-1.758	0.098	0.017	1.17E-71	-0.008	0.010	0.441	0.080	320.261	TRUE	1.70E-68
FEV1	HIPK2	cg11032313	rs4074827	A	G	-0.401	0.031	0.162	7.58E-38	0.012	0.003	1.77E-04	0.043	165.285	TRUE	5.24E-35
FEV1	HIPK2	cg11627968	rs10247507	A	G	-1.225	0.027	0.140	<1E-200	0.001	0.003	0.838	0.353	2022.154	TRUE	<1E-200
FEV1	HIPK2	cg11627968	rs10262234	C	T	-0.200	0.030	0.199	4.54E-11	0.006	0.003	0.063	0.012	43.343	TRUE	1.96E-10
FEV1	HIPK2	cg11627968	rs10954651	G	T	0.242	0.034	0.335	1.15E-12	0.001	0.003	0.791	0.013	50.543	TRUE	2.02E-12
FEV1	HIPK2	cg11627968	rs10954654	T	C	-0.315	0.027	0.264	4.33E-32	0.006	0.003	0.018	0.036	138.961	TRUE	2.73E-30
FEV1	HIPK2	cg11627968	rs113802739	G	T	-1.091	0.177	0.011	7.84E-10	-0.003	0.010	0.730	0.010	37.780	TRUE	1.25E-09
FEV1	HIPK2	cg11627968	rs185429996	A	G	-1.091	0.095	0.027	9.60E-31	-0.005	0.006	0.472	0.035	132.810	TRUE	9.02E-30
FEV1	HIPK2	cg11627968	rs2530731	C	G	-0.217	0.027	0.238	4.71E-16	0.002	0.003	0.549	0.017	65.879	TRUE	1.27E-15

FEV1	HIPK2	cg11627968	rs4725857	T	C	0.182	0.023	0.477	6.08E-15	-0.011	0.002	4.95E-06	0.016	60.844	TRUE	2.94E-13
FEV1	HIPK2	cg11627968	rs4732386	C	T	0.178	0.032	0.420	1.65E-08	-0.001	0.002	0.844	0.009	31.857	TRUE	2.28E-08
FEV1	HIPK2	cg11627968	rs7781224	G	T	-0.694	0.031	0.165	1.93E-109	0.006	0.003	0.046	0.118	493.724	TRUE	3.77E-102
FEV1	HIPK2	cg11627968	rs7785404	T	C	-0.265	0.026	0.298	5.99E-25	0.000	0.003	0.903	0.028	106.354	TRUE	1.89E-24
FEV1	HIPK2	cg11627968	rs7785516	C	T	0.301	0.054	0.117	2.45E-08	-0.002	0.004	0.552	0.008	31.082	TRUE	4.19E-08
FEV1	HIPK2	cg11627968	rs7788362	A	G	-0.459	0.040	0.089	6.02E-30	0.000	0.004	0.928	0.034	129.167	TRUE	2.68E-29
FEV1	HIPK2	cg11627968	rs9768699	C	T	-0.246	0.035	0.406	1.44E-12	0.002	0.002	0.354	0.013	50.100	TRUE	4.00E-12
FEV1	HIPK2	cg14405813	rs10277664	T	C	0.212	0.024	0.404	4.06E-19	0.002	0.002	0.439	0.021	79.799	TRUE	1.53E-18
FEV1	HIPK2	cg14405813	rs116909157	A	G	-0.634	0.098	0.014	9.17E-11	0.011	0.009	0.216	0.011	41.969	TRUE	2.66E-10
FEV1	HIPK2	cg14405813	rs117869586	C	T	-0.538	0.069	0.026	5.91E-15	0.006	0.007	0.432	0.016	60.899	TRUE	1.72E-14
FEV1	HIPK2	cg14405813	rs12703062	C	T	-0.720	0.029	0.184	9.95E-135	0.013	0.003	1.83E-05	0.142	609.906	TRUE	1.42E-122
FEV1	HIPK2	cg14405813	rs1978180	T	C	-0.244	0.035	0.136	1.73E-12	0.011	0.004	0.001	0.013	49.745	TRUE	2.20E-11
FEV1	HIPK2	cg14405813	rs68067734	G	C	-0.612	0.095	0.014	9.44E-11	0.004	0.009	0.681	0.011	41.912	TRUE	1.64E-10
FEV1	HIPK2	cg14630106	rs12707451	C	T	0.145	0.024	0.472	1.35E-09	-0.010	0.002	1.88E-05	0.010	36.726	TRUE	1.92E-08
FEV1	HIPK2	cg14630106	rs150564919	G	A	-0.536	0.071	0.029	5.87E-14	0.005	0.007	0.436	0.015	56.385	TRUE	1.57E-13
FEV1	HIPK2	cg14630106	rs73486021	C	A	-0.500	0.042	0.089	6.84E-33	0.007	0.004	0.103	0.037	142.623	TRUE	2.17E-31
FEV1	HIPK2	cg14630106	rs9718393	G	C	-0.600	0.025	0.313	4.17E-132	0.002	0.003	0.491	0.139	597.855	TRUE	9.65E-124
FEV1	HIPK2	cg15039797	rs112288696	C	T	-0.177	0.030	0.182	5.79E-09	0.002	0.003	0.544	0.009	33.887	TRUE	1.03E-08
FEV1	HIPK2	cg15039797	rs41274212	C	T	-0.990	0.038	0.096	8.98E-152	0.001	0.004	0.875	0.157	688.234	TRUE	9.79E-142
FEV1	HIPK2	cg15039797	rs7801393	C	T	0.195	0.030	0.195	6.82E-11	0.007	0.003	0.025	0.011	42.546	TRUE	3.81E-10
FEV1	HIPK2	cg15535471	rs1464798	A	G	0.278	0.032	0.453	3.57E-18	-0.003	0.002	0.286	0.020	75.504	TRUE	1.60E-17
FEV1	HIPK2	cg18993778	rs10235001	T	C	-1.474	0.033	0.085	<1E-200	0.000	0.004	0.999	0.347	1966.070	TRUE	<1E-200
FEV1	HIPK2	cg18993778	rs10247507	A	G	-0.313	0.034	0.140	2.92E-20	0.001	0.003	0.838	0.022	84.997	TRUE	7.46E-20
FEV1	HIPK2	cg18993778	rs139128188	C	T	-1.175	0.161	0.013	2.42E-13	0.009	0.010	0.404	0.014	53.604	TRUE	6.51E-13
FEV1	HIPK2	cg18993778	rs4732393	C	T	0.212	0.034	0.335	5.78E-10	0.002	0.003	0.448	0.010	38.374	TRUE	1.19E-09
FEV1	HIPK2	cg18993778	rs78068411	T	C	-0.489	0.053	0.097	4.05E-20	0.003	0.004	0.434	0.022	84.350	TRUE	1.71E-19
FEV1	HIPK2	cg18993778	rs9801309	C	T	-0.231	0.042	0.188	2.60E-08	0.003	0.003	0.422	0.008	30.966	TRUE	5.01E-08
FEV1	HIPK2	cg19246654	rs10276928	T	C	-0.784	0.038	0.097	4.51E-93	0.000	0.004	0.930	0.102	418.547	TRUE	6.93E-89
FEV1	HIPK2	cg19246654	rs78068411	T	C	-0.295	0.054	0.097	3.62E-08	0.003	0.004	0.434	0.008	30.327	TRUE	6.76E-08
FEV1	HIPK2	cg22164250	rs6952940	T	C	-0.451	0.082	0.020	4.40E-08	-0.005	0.009	0.591	0.008	29.950	TRUE	7.13E-08
FEV1	HIPK2	cg22164250	rs73156853	G	C	-1.304	0.100	0.016	8.53E-39	-0.011	0.010	0.280	0.044	169.627	TRUE	2.67E-37
FEV1	HIPK2	cg23646343	rs1464798	A	G	0.455	0.032	0.453	7.81E-47	-0.003	0.002	0.286	0.053	206.428	TRUE	5.78E-45
FEV1	HIPK2	cg23646343	rs6974895	G	C	-0.221	0.035	0.146	1.87E-10	0.006	0.003	0.086	0.011	40.573	TRUE	7.06E-10
FEV1	HIPK2	cg23999318	rs1464798	A	G	0.258	0.032	0.453	1.00E-15	-0.003	0.002	0.286	0.017	64.390	TRUE	3.73E-15
FEV1	HIPK2	cg24038192	rs10241798	C	T	-0.503	0.037	0.110	6.04E-42	-0.001	0.004	0.824	0.047	184.042	TRUE	8.89E-41
FEV1	HIPK2	cg24540732	rs73156838	C	T	-1.177	0.098	0.017	5.50E-33	-0.008	0.010	0.413	0.037	143.055	TRUE	7.03E-32
FEV1	HRAS	cg05798318	rs10902171	G	C	-0.255	0.031	0.166	3.05E-16	-0.003	0.003	0.318	0.018	66.733	TRUE	1.11E-15
FEV1	HRAS	cg05798318	rs111226498	G	A	0.619	0.041	0.097	6.31E-52	-0.007	0.004	0.091	0.058	229.764	TRUE	2.25E-49
FEV1	HRAS	cg05798318	rs181328919	C	G	-0.294	0.040	0.103	1.14E-13	-0.003	0.004	0.504	0.015	55.085	TRUE	2.76E-13
FEV1	HRAS	cg05798318	rs7395822	A	G	0.132	0.024	0.449	2.76E-08	0.003	0.002	0.268	0.008	30.854	TRUE	6.06E-08
FEV1	HRAS	cg05798318	rs7949926	T	C	0.324	0.042	0.089	1.11E-14	-0.005	0.004	0.206	0.016	59.659	TRUE	4.53E-14
FEV1	HRAS	cg06143971	rs143735806	G	A	-0.657	0.072	0.028	1.04E-19	-0.004	0.007	0.568	0.022	82.478	TRUE	3.52E-19

FEV1	HRAS	cg06143971	rs151245327	G	A	-0.934	0.152	0.013	7.79E-10	0.004	0.010	0.700	0.010	37.792	TRUE	1.27E-09
FEV1	HRAS	cg06143971	rs200023191	G	A	-0.424	0.041	0.079	5.23E-25	-0.001	0.004	0.722	0.028	106.622	TRUE	2.09E-24
FEV1	HRAS	cg06143971	rs36180797	T	C	-0.233	0.032	0.153	6.25E-13	-0.005	0.003	0.173	0.014	51.738	TRUE	2.35E-12
FEV1	HRAS	cg06143971	rs45558638	A	G	-0.903	0.038	0.103	9.35E-126	-0.009	0.004	0.034	0.133	568.676	TRUE	1.07E-116
FEV1	HRAS	cg06143971	rs7102822	A	G	0.140	0.024	0.387	4.06E-09	0.003	0.002	0.161	0.009	34.574	TRUE	1.15E-08
FEV1	HRAS	cg06143971	rs73407148	C	G	-0.304	0.034	0.134	4.07E-19	0.000	0.003	0.984	0.021	79.793	TRUE	8.29E-19
FEV1	HRAS	cg08141873	rs10794321	G	T	0.459	0.029	0.207	4.29E-56	-0.002	0.003	0.494	0.063	248.867	TRUE	6.07E-54
FEV1	HRAS	cg08141873	rs10902177	G	A	0.445	0.034	0.122	3.56E-38	-0.003	0.004	0.427	0.043	166.788	TRUE	7.40E-37
FEV1	HRAS	cg08141873	rs111314084	A	G	0.512	0.081	0.046	3.15E-10	-0.008	0.006	0.173	0.011	39.560	TRUE	9.45E-10
FEV1	HRAS	cg08141873	rs11246280	C	T	-0.156	0.024	0.466	3.46E-11	-0.001	0.002	0.837	0.012	43.876	TRUE	5.42E-11
FEV1	HRAS	cg08141873	rs11600185	T	C	0.385	0.034	0.140	1.70E-29	0.003	0.003	0.412	0.033	127.105	TRUE	1.59E-28
FEV1	HRAS	cg08141873	rs117191642	T	C	-1.217	0.121	0.010	1.29E-23	0.007	0.012	0.574	0.026	100.282	TRUE	5.69E-23
FEV1	HRAS	cg08141873	rs36089917	G	A	0.321	0.026	0.290	5.17E-36	-0.007	0.003	0.007	0.041	156.894	TRUE	8.40E-34
FEV1	HRAS	cg08141873	rs61876729	G	A	0.265	0.040	0.091	2.50E-11	0.005	0.004	0.208	0.012	44.510	TRUE	7.78E-11
FEV1	HRAS	cg08141873	rs61877803	T	C	0.613	0.054	0.049	5.82E-30	0.003	0.005	0.582	0.034	129.233	TRUE	4.21E-29
FEV1	HRAS	cg08141873	rs6421968	T	G	0.190	0.028	0.222	7.37E-12	0.002	0.003	0.549	0.013	46.901	TRUE	1.54E-11
FEV1	HRAS	cg08141873	rs72848745	A	G	-0.224	0.027	0.261	4.14E-17	0.005	0.003	0.095	0.019	70.669	TRUE	2.82E-16
FEV1	HRAS	cg12989344	rs10794324	T	C	0.164	0.028	0.229	5.50E-09	0.000	0.003	0.961	0.009	33.987	TRUE	7.04E-09
FEV1	HRAS	cg12989344	rs12628	G	A	0.374	0.025	0.341	2.26E-51	-0.007	0.003	0.003	0.058	227.222	TRUE	4.13E-48
FEV1	HRAS	cg12989344	rs72848745	A	G	-0.166	0.027	0.261	3.81E-10	0.005	0.003	0.095	0.010	39.187	TRUE	1.36E-09
FEV1	HRAS	cg12989344	rs76185932	G	A	0.283	0.046	0.068	5.43E-10	-0.006	0.005	0.189	0.010	38.495	TRUE	1.56E-09
FEV1	HRAS	cg16229772	rs11246161	T	C	-0.230	0.036	0.125	1.70E-10	-0.011	0.004	0.003	0.011	40.759	TRUE	1.38E-09
FEV1	HRAS	cg22174486	rs72845867	T	G	0.236	0.041	0.080	9.50E-09	-0.001	0.004	0.722	0.009	32.924	TRUE	1.44E-08
FEV1	HRAS	cg22174486	rs7949926	T	C	0.305	0.042	0.089	3.41E-13	-0.005	0.004	0.206	0.014	52.927	TRUE	1.23E-12
FEV1	HRAS	cg22174486	rs8176332	T	G	0.597	0.039	0.103	2.59E-53	-0.009	0.004	0.022	0.060	236.118	TRUE	2.51E-50
FEV1	HSP90AA1	cg02017208	rs111810795	C	T	-0.237	0.039	0.093	8.82E-10	0.004	0.004	0.340	0.010	37.549	TRUE	2.00E-09
FEV1	HSP90AA1	cg02017208	rs112800775	T	C	-0.568	0.084	0.020	1.37E-11	0.015	0.008	0.074	0.012	45.684	TRUE	6.08E-11
FEV1	HSP90AA1	cg02017208	rs11621083	T	A	-0.688	0.031	0.154	4.24E-107	0.016	0.003	5.46E-07	0.115	482.967	TRUE	1.88E-97
FEV1	HSP90AA1	cg02017208	rs116948773	T	C	-0.419	0.057	0.038	1.90E-13	0.000	0.006	0.989	0.014	54.076	TRUE	2.89E-13
FEV1	HSP90AA1	cg02017208	rs12896205	A	G	-0.493	0.066	0.034	7.42E-14	0.010	0.006	0.109	0.015	55.925	TRUE	3.55E-13
FEV1	HSP90AA1	cg02017208	rs148390046	A	G	-0.579	0.074	0.025	5.75E-15	0.015	0.008	0.052	0.016	60.953	TRUE	3.94E-14
FEV1	HSP90AA1	cg02017208	rs736449	T	C	-0.263	0.041	0.090	9.94E-11	0.007	0.004	0.086	0.011	41.811	TRUE	3.82E-10
FEV1	HSP90AA1	cg11789371	rs7156564	A	G	0.294	0.033	0.154	3.62E-19	0.016	0.003	6.93E-07	0.021	80.022	TRUE	4.40E-17
FEV1	HSP90AA1	cg12776822	rs11621560	C	A	-0.330	0.025	0.314	1.10E-40	0.010	0.003	7.83E-05	0.046	178.275	TRUE	1.53E-37
FEV1	HSP90AA1	cg12776822	rs117528223	T	C	-0.361	0.065	0.035	3.45E-08	0.007	0.006	0.220	0.008	30.421	TRUE	8.09E-08
FEV1	HSP90AA1	cg12776822	rs139112447	T	C	-0.594	0.085	0.050	3.43E-12	0.006	0.006	0.266	0.013	48.402	TRUE	1.04E-11
FEV1	HSP90AA1	cg12776822	rs140204865	T	G	-0.454	0.083	0.020	4.82E-08	0.002	0.008	0.799	0.008	29.770	TRUE	6.69E-08
FEV1	HSP90AA1	cg12776822	rs55804582	A	T	-0.258	0.037	0.119	1.69E-12	-0.006	0.004	0.127	0.013	49.789	TRUE	6.83E-12
FEV1	HSP90AA1	cg23904247	rs6575894	C	T	0.358	0.049	0.061	3.60E-13	0.016	0.005	0.001	0.014	52.824	TRUE	4.78E-12
FEV1	HSPA1B	cg04835051	rs1049709	C	T	0.271	0.031	0.170	2.85E-18	-0.035	0.003	1.14E-28	0.020	75.947	TRUE	3.73E-14
FEV1	HSPA1B	cg04835051	rs2523834	A	T	0.155	0.025	0.334	7.57E-10	-0.018	0.003	2.40E-13	0.010	37.848	TRUE	5.97E-08
FEV1	HSPA1B	cg04835051	rs2596464	T	C	-0.179	0.023	0.464	2.66E-14	0.011	0.002	8.73E-06	0.015	57.939	TRUE	9.51E-13

FEV1	HSPA1B	cg04835051	rs2763979	T	C	0.352	0.025	0.351	1.24E-46	-0.014	0.002	4.35E-09	0.053	205.512	TRUE	5.80E-42
FEV1	HSPA1B	cg04835051	rs41558815	A	G	-0.285	0.052	0.058	4.06E-08	-0.006	0.005	0.283	0.008	30.102	TRUE	8.78E-08
FEV1	HSPA1B	cg04835051	rs9268199	G	A	-0.208	0.030	0.198	2.01E-12	0.024	0.003	3.39E-15	0.013	49.445	TRUE	4.49E-10
FEV1	HSPA1B	cg04835051	rs9273455	T	C	0.267	0.028	0.188	3.39E-21	-0.034	0.004	2.40E-18	0.024	89.253	TRUE	1.42E-17
FEV1	HSPA1B	cg04835051	rs9274409	A	G	0.181	0.033	0.308	3.17E-08	0.001	0.003	0.758	0.008	30.584	TRUE	4.59E-08
FEV1	HSPA1B	cg04835051	rs9276576	G	A	0.189	0.029	0.215	3.42E-11	-0.017	0.003	3.09E-09	0.012	43.898	TRUE	1.78E-09
FEV1	HSPA1B	cg13911590	rs12524467	A	G	0.470	0.079	0.024	2.47E-09	0.025	0.008	0.002	0.010	35.547	TRUE	1.80E-08
FEV1	HSPA1B	cg16372051	rs1049709	C	T	0.230	0.031	0.170	1.29E-13	-0.035	0.003	1.14E-28	0.015	54.842	TRUE	3.42E-10
FEV1	HSPA1B	cg16372051	rs144223778	C	G	0.408	0.065	0.033	2.55E-10	0.003	0.006	0.654	0.011	39.972	TRUE	4.44E-10
FEV1	HSPA1B	cg16372051	rs2596464	T	C	-0.201	0.023	0.464	8.99E-18	0.011	0.002	8.73E-06	0.020	73.684	TRUE	5.65E-16
FEV1	HSPA1B	cg16372051	rs2763979	T	C	0.376	0.024	0.351	3.17E-53	-0.014	0.002	4.35E-09	0.060	235.716	TRUE	5.31E-48
FEV1	HSPA1B	cg16372051	rs9276577	G	A	0.209	0.029	0.202	9.29E-13	-0.016	0.003	2.50E-08	0.014	50.961	TRUE	5.18E-11
FEV1	HSPA1B	cg19159162	rs6457452	T	C	-0.301	0.051	0.052	3.93E-09	0.003	0.005	0.594	0.009	34.641	TRUE	6.71E-09
FEV1	HSPA1B	cg19754746	rs35009002	C	A	-0.427	0.078	0.023	3.96E-08	-0.006	0.008	0.471	0.008	30.154	TRUE	7.09E-08
FEV1	HSPA1B	cg21080034	rs1131500	T	C	0.152	0.025	0.299	1.94E-09	0.014	0.003	7.13E-08	0.010	36.009	TRUE	5.01E-08
FEV1	HSPA1B	cg21080034	rs116383515	C	T	0.265	0.048	0.062	4.73E-08	0.006	0.005	0.190	0.008	29.807	TRUE	1.15E-07
FEV1	HSPA1B	cg21080034	rs2272592	T	C	-0.164	0.029	0.197	1.59E-08	0.022	0.003	1.86E-13	0.009	31.921	TRUE	8.67E-07
FEV1	HSPA1B	cg21080034	rs385306	A	G	0.268	0.028	0.217	2.30E-21	0.008	0.003	0.004	0.024	90.024	TRUE	6.76E-20
FEV1	HSPA1B	cg21080034	rs760294	A	C	0.229	0.037	0.104	7.83E-10	-0.005	0.004	0.209	0.010	37.781	TRUE	2.15E-09
FEV1	HSPA1B	cg21080034	rs9267661	T	C	0.655	0.095	0.015	4.66E-12	0.005	0.009	0.578	0.013	47.798	TRUE	9.60E-12
FEV1	HSPA1B	cg21080034	rs9469089	C	G	0.192	0.033	0.144	5.46E-09	0.005	0.003	0.101	0.009	34.000	TRUE	1.74E-08
FEV1	HSPA1B	cg24239961	rs1049709	C	T	0.380	0.031	0.170	1.10E-34	-0.035	0.003	1.14E-28	0.039	150.827	TRUE	1.81E-28
FEV1	HSPA1B	cg24239961	rs11576013	C	G	-0.513	0.089	0.021	7.06E-09	0.024	0.009	0.006	0.009	33.500	TRUE	4.07E-08
FEV1	HSPA1B	cg24239961	rs1264309	G	A	-0.139	0.025	0.334	2.80E-08	0.010	0.003	2.44E-05	0.008	30.827	TRUE	3.05E-07
FEV1	HSPA1B	cg24239961	rs1419881	A	G	0.201	0.023	0.488	7.13E-18	-0.023	0.002	4.34E-22	0.020	74.139	TRUE	2.84E-14
FEV1	HSPA1B	cg24239961	rs144223778	C	G	0.470	0.065	0.033	3.18E-13	0.003	0.006	0.654	0.014	53.065	TRUE	6.50E-13
FEV1	HSPA1B	cg24239961	rs17207748	C	T	0.306	0.054	0.047	1.74E-08	0.012	0.006	0.033	0.009	31.747	TRUE	6.81E-08
FEV1	HSPA1B	cg24239961	rs2243873	C	A	0.192	0.024	0.459	7.81E-16	0.000	0.002	0.890	0.017	64.882	TRUE	1.45E-15
FEV1	HSPA1B	cg24239961	rs2523834	A	T	0.265	0.025	0.334	3.61E-26	-0.018	0.003	2.40E-13	0.029	111.920	TRUE	1.32E-22
FEV1	HSPA1B	cg24239961	rs2596464	T	C	-0.225	0.023	0.464	7.03E-22	0.011	0.002	8.73E-06	0.024	92.365	TRUE	8.45E-20
FEV1	HSPA1B	cg24239961	rs2736165	G	A	0.409	0.060	0.041	8.07E-12	-0.019	0.007	0.004	0.012	46.724	TRUE	7.35E-11
FEV1	HSPA1B	cg24239961	rs2763979	T	C	0.625	0.024	0.351	2.77E-152	-0.014	0.002	4.35E-09	0.157	690.581	TRUE	3.63E-136
FEV1	HSPA1B	cg24239961	rs547636337	A	T	-0.182	0.028	0.203	1.30E-10	-0.005	0.003	0.058	0.011	41.293	TRUE	5.55E-10
FEV1	HSPA1B	cg24239961	rs909253	G	A	0.180	0.024	0.360	1.68E-13	-0.015	0.002	7.18E-10	0.014	54.320	TRUE	1.77E-11
FEV1	HSPA1B	cg24239961	rs9268199	G	A	-0.269	0.030	0.198	8.53E-20	0.024	0.003	3.39E-15	0.022	82.879	TRUE	1.23E-16
FEV1	HSPA1B	cg24239961	rs9276577	G	A	0.321	0.029	0.202	2.19E-28	-0.016	0.003	2.50E-08	0.032	122.042	TRUE	2.18E-25
FEV1	HYAL1	cg03655330	rs35926495	T	C	-0.262	0.024	0.380	6.25E-28	0.000	0.002	0.884	0.031	119.959	TRUE	2.57E-27
FEV1	HYAL1	cg03655330	rs916288	A	G	-0.144	0.025	0.351	6.29E-09	0.004	0.003	0.153	0.009	33.725	TRUE	1.73E-08
FEV1	HYAL1	cg04380576	rs140406358	A	G	0.522	0.087	0.029	1.60E-09	-0.026	0.007	9.86E-05	0.010	36.386	TRUE	1.91E-08
FEV1	HYAL1	cg06360465	rs12637870	A	C	-0.184	0.030	0.189	4.74E-10	0.001	0.003	0.746	0.010	38.761	TRUE	7.57E-10
FEV1	HYAL1	cg06360465	rs61731329	T	C	-1.893	0.161	0.011	4.88E-32	0.004	0.010	0.715	0.036	138.722	TRUE	3.45E-31
FEV1	HYAL2	cg07271561	rs114541445	G	A	-0.652	0.100	0.013	8.57E-11	-0.003	0.010	0.748	0.011	42.101	TRUE	1.41E-10

FEV1	HYAL2	cg07271561	rs142774456	G	C	-0.573	0.096	0.017	2.23E-09	-0.022	0.009	0.016	0.010	35.742	TRUE	1.12E-08
FEV1	HYAL2	cg07271561	rs2073499	G	A	-0.662	0.034	0.131	1.41E-85	-0.008	0.003	0.027	0.094	384.138	TRUE	2.85E-80
FEV1	HYAL2	cg07271561	rs2236952	G	C	-0.168	0.028	0.223	1.39E-09	-0.003	0.003	0.276	0.010	36.662	TRUE	3.41E-09
FEV1	HYAL2	cg07271561	rs2526386	C	T	-0.241	0.031	0.164	6.61E-15	-0.004	0.003	0.180	0.016	60.679	TRUE	2.91E-14
FEV1	HYAL2	cg07271561	rs2526399	T	C	-0.647	0.075	0.025	4.31E-18	-0.017	0.007	0.012	0.020	75.132	TRUE	6.46E-17
FEV1	HYAL2	cg07271561	rs79685183	T	C	-0.487	0.087	0.018	2.49E-08	0.029	0.008	2.93E-04	0.008	31.054	TRUE	2.10E-07
FEV1	HYAL2	cg12150256	rs7642692	C	T	-0.343	0.038	0.104	4.18E-19	-0.011	0.004	0.005	0.021	79.741	TRUE	8.97E-18
FEV1	HYAL2	cg12976582	rs12629572	G	T	-0.523	0.037	0.108	2.65E-44	-0.009	0.004	0.010	0.050	194.840	TRUE	1.04E-41
FEV1	HYAL2	cg12976582	rs9311447	T	C	-0.533	0.088	0.017	1.09E-09	-0.023	0.008	0.003	0.010	37.128	TRUE	7.93E-09
FEV1	HYAL2	cg13341668	rs12493985	G	T	-0.209	0.033	0.150	3.13E-10	-0.011	0.003	7.22E-04	0.011	39.573	TRUE	3.07E-09
FEV1	HYAL2	cg13341668	rs12629572	G	T	-0.468	0.038	0.108	1.00E-35	-0.009	0.004	0.010	0.040	155.578	TRUE	1.26E-33
FEV1	ICAM1	cg02776148	rs118167853	T	C	0.703	0.091	0.015	1.29E-14	0.024	0.010	0.012	0.016	59.361	TRUE	1.29E-13
FEV1	ICAM1	cg02776148	rs12972990	G	T	0.258	0.023	0.436	4.93E-29	-0.006	0.002	0.010	0.033	124.996	TRUE	2.89E-27
FEV1	ICAM1	cg24354612	rs281436	A	G	-0.201	0.025	0.310	2.11E-15	0.009	0.003	2.31E-04	0.017	62.929	TRUE	5.60E-14
FEV1	ICAM4	cg00500176	rs149324369	T	G	-0.373	0.065	0.034	1.05E-08	0.005	0.007	0.442	0.009	32.725	TRUE	2.01E-08
FEV1	ICAM4	cg00500176	rs17852402	A	G	0.194	0.033	0.140	4.58E-09	-0.007	0.003	0.052	0.009	34.340	TRUE	1.75E-08
FEV1	ICAM4	cg00500176	rs281427	T	C	0.215	0.031	0.160	8.18E-12	-0.003	0.003	0.343	0.012	46.698	TRUE	2.12E-11
FEV1	ICAM4	cg00500176	rs281436	A	G	-0.509	0.025	0.310	6.06E-94	0.009	0.003	2.31E-04	0.103	422.551	TRUE	1.14E-86
FEV1	ICAM4	cg00500176	rs61223991	T	C	-0.215	0.039	0.100	3.93E-08	0.009	0.004	0.013	0.008	30.168	TRUE	1.77E-07
FEV1	ICAM4	cg00500176	rs78064630	A	G	-0.281	0.043	0.082	6.85E-11	0.004	0.004	0.380	0.011	42.538	TRUE	1.61E-10
FEV1	ICAM4	cg00500176	rs8101365	T	C	-0.187	0.028	0.246	1.22E-11	0.004	0.003	0.158	0.012	45.915	TRUE	4.34E-11
FEV1	ICAM4	cg20036207	rs10411056	C	A	-0.470	0.040	0.083	3.47E-31	0.007	0.004	0.088	0.035	134.831	TRUE	9.76E-30
FEV1	ICAM4	cg20036207	rs10420549	C	T	0.258	0.024	0.422	6.01E-27	-0.005	0.002	0.042	0.030	115.473	TRUE	1.62E-25
FEV1	ICAM4	cg20036207	rs11666992	C	T	0.290	0.045	0.075	1.01E-10	0.004	0.004	0.396	0.011	41.771	TRUE	2.30E-10
FEV1	ICAM4	cg20036207	rs140752376	A	G	0.446	0.070	0.031	1.91E-10	0.008	0.007	0.208	0.011	40.532	TRUE	5.49E-10
FEV1	ICAM4	cg20036207	rs144468331	G	C	-0.505	0.059	0.036	9.38E-18	-0.003	0.006	0.645	0.020	73.598	TRUE	2.52E-17
FEV1	ICAM4	cg20036207	rs145427182	A	G	-0.491	0.079	0.024	5.48E-10	0.000	0.008	0.963	0.010	38.478	TRUE	7.36E-10
FEV1	ICAM4	cg20036207	rs17852402	A	G	0.360	0.033	0.140	1.22E-27	-0.007	0.003	0.052	0.031	118.640	TRUE	3.14E-26
FEV1	ICAM4	cg20036207	rs1799969	A	G	0.392	0.036	0.125	2.51E-28	-0.005	0.004	0.143	0.032	121.766	TRUE	4.17E-27
FEV1	ICAM4	cg20036207	rs2017213	A	T	-0.158	0.024	0.400	3.07E-11	0.008	0.002	0.001	0.012	44.111	TRUE	3.17E-10
FEV1	ICAM4	cg20036207	rs2358581	T	G	0.531	0.026	0.254	2.40E-92	-0.003	0.003	0.318	0.101	415.212	TRUE	1.75E-87
FEV1	ICAM4	cg20036207	rs2569507	A	G	0.212	0.024	0.476	2.86E-19	-0.011	0.002	3.25E-06	0.021	80.489	TRUE	2.71E-17
FEV1	ICAM4	cg20036207	rs280497	A	G	0.326	0.023	0.481	2.01E-44	-0.005	0.002	0.023	0.050	195.394	TRUE	5.86E-42
FEV1	ICAM4	cg20036207	rs281416	A	G	0.521	0.024	0.356	1.37E-105	-0.006	0.002	0.019	0.114	476.033	TRUE	2.43E-98
FEV1	ICAM4	cg20036207	rs281431	C	T	-0.785	0.021	0.395	<1E-200	0.005	0.002	0.041	0.278	1425.032	TRUE	4.84E-273
FEV1	ICAM4	cg20036207	rs3181050	T	C	-0.614	0.051	0.062	3.45E-33	0.005	0.005	0.294	0.037	143.978	TRUE	5.79E-32
FEV1	ICAM4	cg20036207	rs35948484	G	C	-0.235	0.041	0.096	9.77E-09	0.000	0.004	0.988	0.009	32.868	TRUE	1.23E-08
FEV1	ICAM4	cg20036207	rs4611572	C	G	-0.266	0.024	0.405	6.26E-29	0.003	0.002	0.255	0.033	124.522	TRUE	7.65E-28
FEV1	ICAM4	cg20036207	rs4804511	C	T	-0.199	0.027	0.259	2.35E-13	0.001	0.003	0.785	0.014	53.662	TRUE	4.29E-13
FEV1	ICAM4	cg20036207	rs74956615	A	T	0.639	0.080	0.039	1.17E-15	0.006	0.005	0.221	0.017	64.084	TRUE	4.92E-15
FEV1	ICAM4	cg20036207	rs75161693	C	T	-0.748	0.046	0.074	1.45E-60	0.007	0.004	0.107	0.068	269.362	TRUE	1.60E-57
FEV1	ICAM4	cg20036207	rs75239980	C	G	-0.446	0.041	0.083	4.89E-28	0.010	0.004	0.012	0.032	120.445	TRUE	2.33E-26

FEV1	ICAM4	cg20036207	rs80066865	G	C	0.400	0.061	0.042	4.05E-11	-0.003	0.005	0.619	0.012	43.565	TRUE	7.59E-11
FEV1	ICAM4	cg20036207	rs8103246	G	A	0.408	0.042	0.080	1.41E-22	0.001	0.004	0.896	0.025	95.540	TRUE	3.85E-22
FEV1	ICAM4	cg20036207	rs8106605	G	T	0.192	0.032	0.165	1.31E-09	-0.004	0.003	0.242	0.010	36.773	TRUE	3.31E-09
FEV1	ICAM4	cg20036207	rs8107814	T	C	0.233	0.039	0.104	1.79E-09	0.004	0.004	0.353	0.010	36.174	TRUE	3.91E-09
FEV1	ICAM4	cg20036207	rs8108428	A	G	-0.147	0.026	0.287	9.44E-09	-0.001	0.003	0.853	0.009	32.935	TRUE	1.31E-08
FEV1	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	0.007	0.003	0.007	0.015	57.336	TRUE	3.97E-13
FEV1	IDUA	cg00187933	rs6827815	G	C	0.329	0.033	0.153	2.70E-23	0.002	0.003	0.520	0.026	98.811	TRUE	1.26E-22
FEV1	IDUA	cg00247629	rs11248057	G	C	-0.222	0.027	0.266	9.62E-17	-0.001	0.003	0.719	0.018	69.009	TRUE	2.27E-16
FEV1	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	-0.003	0.002	0.304	0.011	40.958	TRUE	3.89E-10
FEV1	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	-0.004	0.003	0.152	0.013	49.309	TRUE	8.02E-12
FEV1	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	-0.003	0.002	0.263	0.065	258.356	TRUE	1.23E-55
FEV1	IDUA	cg01572696	rs113130883	T	C	-0.155	0.028	0.228	4.00E-08	-0.003	0.003	0.218	0.008	30.132	TRUE	9.31E-08
FEV1	IDUA	cg01572696	rs114358991	A	G	0.424	0.055	0.053	1.63E-14	0.000	0.006	0.987	0.016	58.897	TRUE	2.61E-14
FEV1	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	0.000	0.004	0.996	0.022	81.973	TRUE	2.75E-19
FEV1	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	-0.002	0.003	0.585	0.012	46.127	TRUE	2.20E-11
FEV1	IDUA	cg01572696	rs17131820	C	G	0.206	0.034	0.141	2.08E-09	0.000	0.003	0.966	0.010	35.878	TRUE	2.70E-09
FEV1	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	-0.003	0.002	0.151	0.012	45.664	TRUE	4.82E-11
FEV1	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	-0.003	0.003	0.339	0.015	54.952	TRUE	3.66E-13
FEV1	IDUA	cg01572696	rs4647932	T	C	-0.822	0.049	0.065	1.55E-62	-0.001	0.005	0.923	0.070	278.407	TRUE	2.07E-60
FEV1	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	-0.004	0.002	0.084	0.049	189.624	TRUE	4.18E-41
FEV1	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	-0.004	0.003	0.130	0.017	62.147	TRUE	1.61E-14
FEV1	IDUA	cg01572696	rs6826191	G	A	-0.155	0.024	0.353	1.75E-10	0.005	0.002	0.038	0.011	40.709	TRUE	8.50E-10
FEV1	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	-0.001	0.005	0.895	0.022	84.609	TRUE	8.46E-20
FEV1	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	-0.003	0.002	0.263	0.017	62.567	TRUE	9.42E-15
FEV1	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	0.000	0.005	0.965	0.021	79.226	TRUE	1.11E-18
FEV1	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	-0.004	0.002	0.084	0.016	60.197	TRUE	4.78E-14
FEV1	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	-0.001	0.005	0.895	0.009	35.354	TRUE	3.74E-09
FEV1	IDUA	cg03889767	rs1078138	T	C	-0.287	0.030	0.193	4.00E-22	0.001	0.003	0.871	0.025	93.479	TRUE	1.10E-21
FEV1	IDUA	cg03889767	rs11946340	T	C	0.261	0.036	0.401	4.20E-13	-0.002	0.003	0.432	0.014	52.517	TRUE	1.09E-12
FEV1	IDUA	cg03889767	rs151010222	T	C	-0.996	0.095	0.015	1.31E-25	-0.017	0.010	0.071	0.029	109.372	TRUE	2.29E-24
FEV1	IDUA	cg03889767	rs188911015	A	G	-0.998	0.068	0.030	2.94E-48	-0.006	0.007	0.405	0.054	212.955	TRUE	1.92E-46
FEV1	IDUA	cg03889767	rs28569895	T	A	-0.320	0.030	0.193	5.08E-27	-0.009	0.003	0.002	0.030	115.806	TRUE	3.46E-25
FEV1	IDUA	cg03889767	rs3806760	A	G	-0.288	0.025	0.327	8.18E-31	0.004	0.003	0.092	0.035	133.126	TRUE	2.19E-29
FEV1	IDUA	cg03889767	rs4569707	G	C	-0.149	0.026	0.278	1.39E-08	-0.004	0.003	0.123	0.009	32.177	TRUE	4.01E-08
FEV1	IDUA	cg03889767	rs56968267	G	A	0.183	0.024	0.461	1.45E-14	0.001	0.002	0.791	0.016	59.128	TRUE	2.76E-14
FEV1	IDUA	cg03889767	rs6848199	T	C	-0.291	0.024	0.363	5.23E-34	-0.005	0.002	0.039	0.038	147.726	TRUE	2.99E-32
FEV1	IDUA	cg03889767	rs75675915	G	T	-0.458	0.072	0.030	2.39E-10	-0.004	0.007	0.602	0.011	40.094	TRUE	4.33E-10
FEV1	IDUA	cg03889767	rs77186370	A	C	-1.039	0.117	0.016	5.29E-19	0.003	0.008	0.754	0.021	79.276	TRUE	1.36E-18
FEV1	IDUA	cg03889767	rs78564282	A	C	-0.593	0.057	0.042	8.72E-26	-0.006	0.006	0.317	0.029	110.172	TRUE	7.06E-25
FEV1	IDUA	cg03889767	rs80269477	T	G	-1.201	0.082	0.043	9.84E-49	0.003	0.005	0.579	0.055	215.131	TRUE	4.68E-47
FEV1	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	0.001	0.003	0.797	0.010	38.835	TRUE	6.93E-10
FEV1	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	0.015	0.008	0.068	0.020	76.262	TRUE	2.10E-17

FEV1	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	0.001	0.003	0.797	0.011	40.004	TRUE	3.86E-10
FEV1	IDUA	cg08160350	rs115790973	G	C	0.428	0.033	0.154	2.17E-38	0.001	0.003	0.669	0.043	167.769	TRUE	2.96E-37
FEV1	IDUA	cg08160350	rs17165126	C	G	0.498	0.084	0.021	2.94E-09	-0.011	0.008	0.154	0.009	35.207	TRUE	8.44E-09
FEV1	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	0.007	0.003	0.007	0.013	48.909	TRUE	2.31E-11
FEV1	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	0.003	0.003	0.235	0.010	35.619	TRUE	5.88E-09
FEV1	IDUA	cg08332990	rs115790973	G	C	0.297	0.033	0.154	3.48E-19	0.001	0.003	0.669	0.021	80.103	TRUE	1.01E-18
FEV1	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	0.007	0.003	0.007	0.011	41.490	TRUE	8.33E-10
FEV1	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	-0.004	0.003	0.132	0.009	32.544	TRUE	3.31E-08
FEV1	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	-0.003	0.002	0.304	0.020	77.335	TRUE	6.55E-18
FEV1	IDUA	cg14652403	rs187658856	C	G	-0.298	0.037	0.108	1.14E-15	0.002	0.004	0.541	0.017	64.137	TRUE	3.06E-15
FEV1	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	-0.002	0.002	0.315	0.010	36.272	TRUE	3.89E-09
FEV1	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	0.005	0.002	0.036	0.050	193.196	TRUE	1.32E-41
FEV1	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	-0.001	0.005	0.895	0.010	39.051	TRUE	5.81E-10
FEV1	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	-0.008	0.004	0.046	0.008	29.766	TRUE	1.66E-07
FEV1	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	0.005	0.002	0.040	0.010	36.545	TRUE	6.34E-09
FEV1	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	-0.003	0.003	0.338	0.048	184.678	TRUE	1.71E-40
FEV1	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	-0.004	0.003	0.152	0.027	102.180	TRUE	5.10E-23
FEV1	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	0.001	0.005	0.803	0.009	32.063	TRUE	2.10E-08
FEV1	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	0.008	0.009	0.367	0.013	50.559	TRUE	3.08E-12
FEV1	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	0.005	0.003	0.093	0.019	69.755	TRUE	4.53E-16
FEV1	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	0.000	0.003	0.970	0.010	36.376	TRUE	2.11E-09
FEV1	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	0.000	0.002	0.978	0.011	41.224	TRUE	1.84E-10
FEV1	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	-0.003	0.003	0.308	0.046	179.864	TRUE	1.86E-39
FEV1	IDUA	cg15138543	rs117560503	A	G	0.543	0.088	0.020	8.39E-10	-0.009	0.009	0.300	0.010	37.647	TRUE	2.01E-09
FEV1	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	-0.002	0.003	0.432	0.012	44.025	TRUE	7.31E-11
FEV1	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	-0.006	0.005	0.216	0.010	36.653	TRUE	3.70E-09
FEV1	IDUA	cg15138543	rs138298498	A	G	0.592	0.059	0.040	7.43E-24	0.019	0.006	6.09E-04	0.027	101.367	TRUE	5.22E-22
FEV1	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	0.008	0.006	0.191	0.032	123.516	TRUE	1.52E-27
FEV1	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	0.005	0.003	0.027	0.403	2493.113	TRUE	<1E-200
FEV1	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	-0.009	0.004	0.015	0.023	88.732	TRUE	8.51E-20
FEV1	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	0.005	0.002	0.033	0.025	93.491	TRUE	6.36E-21
FEV1	IDUA	cg15138543	rs3822028	C	T	-0.270	0.035	0.125	2.66E-14	-0.006	0.004	0.113	0.015	57.943	TRUE	1.31E-13
FEV1	IDUA	cg15138543	rs4647931	T	G	-0.459	0.084	0.017	4.02E-08	-0.007	0.008	0.357	0.008	30.124	TRUE	8.00E-08
FEV1	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	0.007	0.002	0.004	0.044	168.413	TRUE	4.46E-36
FEV1	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	0.000	0.003	0.998	0.030	113.010	TRUE	6.47E-26
FEV1	IDUA	cg15138543	rs57186616	A	G	-0.272	0.032	0.155	4.86E-17	-0.002	0.003	0.490	0.019	70.353	TRUE	1.51E-16
FEV1	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	0.000	0.003	0.983	0.044	170.556	TRUE	4.68E-38
FEV1	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	-0.007	0.003	0.033	0.009	34.920	TRUE	1.46E-08
FEV1	IDUA	cg15138543	rs6599389	A	G	0.696	0.044	0.080	1.14E-57	-0.003	0.005	0.487	0.065	256.094	TRUE	1.97E-55
FEV1	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	-0.003	0.005	0.612	0.038	146.399	TRUE	9.71E-33
FEV1	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	0.002	0.003	0.518	0.012	45.151	TRUE	3.76E-11
FEV1	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	-0.006	0.003	0.051	0.033	125.887	TRUE	9.27E-28

FEV1	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	-0.008	0.004	0.047	0.023	86.012	TRUE	2.14E-19
FEV1	IDUA	cg15138543	rs900030	C	T	0.335	0.043	0.084	1.08E-14	0.006	0.005	0.213	0.016	59.714	TRUE	4.31E-14
FEV1	IDUA	cg21616051	rs1064839	G	C	0.222	0.026	0.289	4.80E-17	-0.004	0.003	0.164	0.019	70.381	TRUE	2.59E-16
FEV1	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	0.007	0.009	0.437	0.063	248.815	TRUE	7.08E-54
FEV1	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	0.005	0.003	0.093	0.018	69.409	TRUE	5.36E-16
FEV1	IDUA	cg21616051	rs11931773	C	G	0.252	0.028	0.216	7.67E-19	-0.001	0.003	0.748	0.021	78.541	TRUE	1.95E-18
FEV1	IDUA	cg21616051	rs138298498	A	G	-1.430	0.057	0.040	1.73E-140	0.019	0.006	6.09E-04	0.147	636.375	TRUE	2.14E-128
FEV1	IDUA	cg21616051	rs141985622	T	A	-0.892	0.106	0.026	4.99E-17	-0.004	0.007	0.601	0.019	70.301	TRUE	1.36E-16
FEV1	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	0.001	0.004	0.799	0.053	205.066	TRUE	3.80E-45
FEV1	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	-0.003	0.003	0.321	0.022	84.731	TRUE	1.70E-19
FEV1	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	-0.009	0.004	0.015	0.014	51.718	TRUE	4.87E-12
FEV1	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	0.005	0.002	0.043	0.187	851.571	TRUE	1.60E-170
FEV1	IDUA	cg21616051	rs3822022	G	A	-0.231	0.025	0.314	6.15E-20	0.005	0.003	0.056	0.022	83.524	TRUE	6.58E-19
FEV1	IDUA	cg21616051	rs3822028	C	T	0.219	0.036	0.125	7.05E-10	-0.006	0.004	0.113	0.010	37.987	TRUE	2.34E-09
FEV1	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	0.007	0.002	0.004	0.026	100.280	TRUE	5.26E-22
FEV1	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	0.000	0.003	0.983	0.018	67.861	TRUE	3.06E-16
FEV1	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	0.001	0.004	0.827	0.010	37.160	TRUE	1.58E-09
FEV1	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	-0.001	0.005	0.814	0.014	54.084	TRUE	3.38E-13
FEV1	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	-0.008	0.004	0.047	0.009	35.104	TRUE	1.21E-08
FEV1	IDUA	cg21616051	rs900030	C	T	-0.423	0.043	0.084	1.24E-22	0.006	0.005	0.213	0.025	95.793	TRUE	9.66E-22
FEV1	IDUA	cg21628539	rs6829197	C	G	-0.206	0.030	0.193	6.62E-12	-0.002	0.003	0.555	0.013	47.112	TRUE	1.37E-11
FEV1	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	-0.005	0.002	0.042	0.011	41.338	TRUE	5.95E-10
FEV1	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	0.003	0.002	0.296	0.010	36.378	TRUE	3.78E-09
FEV1	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	0.009	0.007	0.207	0.011	39.940	TRUE	7.36E-10
FEV1	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	-0.002	0.003	0.521	0.034	129.133	TRUE	4.87E-29
FEV1	IDUA	cg23332689	rs34406303	C	G	0.595	0.042	0.083	5.19E-46	0.000	0.004	0.926	0.052	202.663	TRUE	9.78E-45
FEV1	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	0.007	0.002	0.004	0.013	47.425	TRUE	5.37E-11
FEV1	IDUA	cg23332689	rs6829197	C	G	-0.218	0.030	0.193	2.38E-13	-0.002	0.003	0.555	0.014	53.633	TRUE	5.36E-13
FEV1	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	-0.001	0.003	0.842	0.009	32.172	TRUE	1.93E-08
FEV1	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	-0.002	0.003	0.486	0.017	65.394	TRUE	1.72E-15
FEV1	IDUA	cg27494429	rs4647940	G	C	0.268	0.036	0.150	1.51E-13	0.000	0.003	0.982	0.015	54.525	TRUE	2.33E-13
FEV1	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	-0.004	0.002	0.109	0.018	66.061	TRUE	2.49E-15
FEV1	IFI27	cg10778971	rs7143873	A	T	-0.170	0.027	0.259	1.50E-10	-0.005	0.003	0.077	0.011	41.006	TRUE	5.83E-10
FEV1	IFI27	cg14352715	rs2239645	A	G	0.388	0.068	0.059	9.47E-09	-0.006	0.005	0.284	0.009	32.930	TRUE	2.14E-08
FEV1	IFI27	cg18443806	rs147640979	G	A	-1.940	0.098	0.012	1.75E-87	-0.014	0.011	0.188	0.096	392.891	TRUE	9.81E-83
FEV1	IFI27	cg18443806	rs2145496	C	T	-0.519	0.079	0.021	4.99E-11	0.005	0.009	0.550	0.012	43.158	TRUE	9.91E-11
FEV1	IFI27	cg18443806	rs28373907	C	T	-0.176	0.032	0.149	4.88E-08	-0.004	0.003	0.176	0.008	29.746	TRUE	1.20E-07
FEV1	IFI27	cg18443806	rs4905163	G	A	0.129	0.023	0.496	3.66E-08	-0.004	0.002	0.068	0.008	30.306	TRUE	1.21E-07
FEV1	IFI27	cg23038560	rs7141881	A	G	-0.287	0.024	0.379	1.19E-33	-0.006	0.002	0.024	0.038	146.095	TRUE	8.66E-32
FEV1	IFI27L2	cg18050213	rs143824994	T	G	-1.313	0.167	0.011	3.55E-15	0.007	0.011	0.536	0.016	61.900	TRUE	9.24E-15
FEV1	IFI27L2	cg19511435	rs10145931	C	T	0.472	0.032	0.149	9.73E-50	-0.005	0.003	0.172	0.056	219.736	TRUE	1.61E-47
FEV1	IFI27L2	cg19511435	rs111636997	C	T	0.423	0.041	0.094	3.93E-25	-0.007	0.004	0.106	0.028	107.190	TRUE	5.46E-24

FEV1	IFI27L2	cg19511435	rs11627448	T	C	0.573	0.033	0.140	3.73E-68	0.001	0.003	0.829	0.076	304.181	TRUE	1.27E-65
FEV1	IFI27L2	cg19511435	rs12892767	A	G	-0.254	0.024	0.439	5.86E-27	-0.004	0.002	0.124	0.030	115.524	TRUE	9.11E-26
FEV1	IFI27L2	cg19511435	rs146776007	T	C	0.856	0.097	0.017	1.32E-18	0.010	0.008	0.220	0.021	77.462	TRUE	7.18E-18
FEV1	IFI27L2	cg19511435	rs147892697	T	G	0.576	0.080	0.019	4.86E-13	-0.018	0.008	0.020	0.014	52.232	TRUE	3.58E-12
FEV1	IFI27L2	cg19511435	rs1956173	A	G	0.391	0.034	0.138	6.14E-30	-0.004	0.004	0.286	0.034	129.129	TRUE	7.66E-29
FEV1	IFI27L2	cg19511435	rs1980618	A	T	-0.186	0.024	0.356	2.14E-14	-0.002	0.003	0.455	0.016	58.367	TRUE	5.69E-14
FEV1	IFI27L2	cg19511435	rs2273514	C	T	1.017	0.024	0.197	<1E-200	-0.003	0.003	0.263	0.328	1802.939	TRUE	<1E-200
FEV1	IFI27L2	cg19511435	rs2281519	A	G	-0.194	0.027	0.249	5.86E-13	0.003	0.003	0.220	0.014	51.865	TRUE	2.01E-12
FEV1	IFI27L2	cg19511435	rs2402387	G	A	0.198	0.024	0.414	3.50E-17	-0.004	0.002	0.128	0.019	71.002	TRUE	2.10E-16
FEV1	IFI27L2	cg19511435	rs28929474	T	C	0.618	0.085	0.018	3.25E-13	0.019	0.008	0.021	0.014	53.025	TRUE	2.40E-12
FEV1	IFI27L2	cg19511435	rs79694611	G	A	0.597	0.092	0.017	9.01E-11	0.012	0.009	0.180	0.011	42.003	TRUE	2.79E-10
FEV1	IFI27L2	cg19511435	rs8006631	A	C	0.310	0.023	0.460	2.40E-41	-0.007	0.002	0.002	0.047	181.295	TRUE	1.18E-38
FEV1	IFI27L2	cg21206949	rs1114	A	G	0.299	0.042	0.083	1.23E-12	-0.008	0.004	0.070	0.013	50.418	TRUE	6.07E-12
FEV1	IFI27L2	cg21206949	rs12434998	C	T	-0.135	0.024	0.359	1.95E-08	0.005	0.003	0.061	0.008	31.523	TRUE	6.52E-08
FEV1	IFI27L2	cg21206949	rs12896856	C	T	0.274	0.029	0.189	1.55E-20	-0.002	0.003	0.457	0.023	86.248	TRUE	6.40E-20
FEV1	IFI27L2	cg21206949	rs146776007	T	C	0.569	0.097	0.017	5.31E-09	0.010	0.008	0.220	0.009	34.055	TRUE	1.33E-08
FEV1	IFI27L2	cg21206949	rs1980618	A	T	-0.141	0.024	0.356	7.99E-09	-0.002	0.003	0.455	0.009	33.259	TRUE	1.49E-08
FEV1	IFI27L2	cg21206949	rs4905164	G	A	0.387	0.023	0.423	1.50E-62	-0.006	0.002	0.008	0.070	278.475	TRUE	1.10E-58
FEV1	IFI27L2	cg21206949	rs78362970	C	T	0.423	0.056	0.044	2.72E-14	-0.003	0.005	0.530	0.015	57.894	TRUE	6.76E-14
FEV1	IFI27L2	cg21206949	rs79694611	G	A	0.760	0.092	0.017	1.38E-16	0.012	0.009	0.180	0.018	68.296	TRUE	6.92E-16
FEV1	IFNGR2	cg08173915	rs10775653	C	G	0.368	0.024	0.374	3.43E-53	-0.002	0.002	0.483	0.060	235.559	TRUE	3.45E-51
FEV1	IFNGR2	cg08173915	rs4817580	A	G	-0.213	0.039	0.110	3.89E-08	0.001	0.004	0.844	0.008	30.187	TRUE	5.23E-08
FEV1	IFNGR2	cg10572943	rs13052087	T	C	0.489	0.027	0.221	1.58E-71	0.004	0.003	0.119	0.080	319.657	TRUE	8.96E-68
FEV1	IFNGR2	cg10572943	rs148257985	C	T	0.441	0.064	0.029	5.51E-12	0.004	0.007	0.522	0.013	47.472	TRUE	1.18E-11
FEV1	IFNGR2	cg10572943	rs2298677	G	A	0.184	0.031	0.158	4.19E-09	0.003	0.003	0.426	0.009	34.516	TRUE	8.36E-09
FEV1	IFNGR2	cg10572943	rs2409495	A	G	-0.188	0.030	0.189	6.97E-10	0.000	0.003	0.899	0.010	38.009	TRUE	9.79E-10
FEV1	IFNGR2	cg10572943	rs2834270	A	G	-0.143	0.025	0.338	5.07E-09	-0.002	0.003	0.376	0.009	34.143	TRUE	1.05E-08
FEV1	IFNGR2	cg10572943	rs7277167	T	C	-0.278	0.038	0.114	1.46E-13	-0.004	0.004	0.263	0.015	54.594	TRUE	4.91E-13
FEV1	IFNGR2	cg14850771	rs146747530	A	G	0.794	0.095	0.017	5.12E-17	-0.008	0.009	0.418	0.019	70.252	TRUE	1.74E-16
FEV1	IFNGR2	cg14850771	rs1892588	A	G	-0.210	0.023	0.480	1.90E-19	0.003	0.002	0.223	0.022	81.299	TRUE	1.14E-18
FEV1	IFNGR2	cg14850771	rs2243600	T	G	0.179	0.026	0.280	6.69E-12	0.003	0.003	0.277	0.013	47.090	TRUE	1.91E-11
FEV1	IFNGR2	cg14850771	rs2834207	G	C	0.230	0.025	0.319	8.31E-21	-0.001	0.003	0.819	0.023	87.481	TRUE	2.25E-20
FEV1	IFNGR2	cg14850771	rs7282780	A	T	-0.199	0.025	0.344	2.23E-15	0.002	0.002	0.364	0.017	62.821	TRUE	7.33E-15
FEV1	IFNGR2	cg14850771	rs75500040	C	T	0.842	0.087	0.019	3.38E-22	-0.003	0.009	0.773	0.025	93.816	TRUE	1.05E-21
FEV1	IFNGR2	cg14850771	rs8134145	C	A	1.029	0.032	0.147	5.86E-234	-0.008	0.003	0.022	0.224	1066.071	TRUE	1.86E-209
FEV1	IFNGR2	cg14850771	rs9631188	A	G	0.939	0.142	0.010	3.32E-11	-0.022	0.009	0.016	0.012	43.957	TRUE	2.09E-10
FEV1	IFNGR2	cg14850771	rs9647067	A	G	-0.203	0.024	0.356	3.48E-17	0.001	0.002	0.711	0.019	71.011	TRUE	8.47E-17
FEV1	IFNGR2	cg20817150	rs7277167	T	C	-0.264	0.038	0.114	2.01E-12	-0.004	0.004	0.263	0.013	49.446	TRUE	6.21E-12
FEV1	IFNGR2	cg20817150	rs9976971	A	G	0.231	0.024	0.431	1.48E-22	0.001	0.002	0.590	0.025	95.453	TRUE	6.06E-22
FEV1	IFNGR2	cg22212414	rs12626309	T	A	0.561	0.027	0.223	1.40E-95	0.004	0.003	0.120	0.104	430.070	TRUE	5.92E-90
FEV1	IFNGR2	cg22212414	rs13051355	T	C	0.238	0.041	0.094	5.21E-09	0.005	0.004	0.236	0.009	34.093	TRUE	1.27E-08
FEV1	IFNGR2	cg22212414	rs148257985	C	T	0.517	0.064	0.029	4.48E-16	0.004	0.007	0.522	0.018	65.976	TRUE	1.25E-15

FEV1	IFNGR2	cg22212414	rs2298677	G	A	0.210	0.031	0.158	2.10E-11	0.003	0.003	0.426	0.012	44.849	TRUE	4.87E-11
FEV1	IFNGR2	cg22212414	rs2409495	A	G	-0.206	0.030	0.189	1.15E-11	0.000	0.003	0.899	0.012	46.027	TRUE	1.75E-11
FEV1	IFNGR2	cg22212414	rs2834270	A	G	-0.159	0.024	0.338	9.12E-11	-0.002	0.003	0.376	0.011	41.978	TRUE	2.12E-10
FEV1	IFNGR2	cg22212414	rs7277167	T	C	-0.316	0.037	0.114	3.27E-17	-0.004	0.004	0.263	0.019	71.136	TRUE	1.46E-16
FEV1	IFNGR2	cg22669060	rs1804385	G	C	0.356	0.028	0.223	3.88E-38	0.005	0.003	0.101	0.043	166.617	TRUE	2.31E-36
FEV1	IFNGR2	cg22669060	rs34640959	A	G	0.455	0.070	0.025	9.84E-11	0.009	0.008	0.215	0.011	41.831	TRUE	2.86E-10
FEV1	IFNGR2	cg22669060	rs6517169	C	T	0.177	0.024	0.353	3.40E-13	-0.004	0.002	0.115	0.014	52.933	TRUE	1.52E-12
FEV1	IFNGR2	cg24865779	rs12626309	T	A	0.590	0.027	0.223	4.63E-105	0.004	0.003	0.120	0.114	473.607	TRUE	1.40E-98
FEV1	IFNGR2	cg24865779	rs13051355	T	C	0.232	0.041	0.094	1.25E-08	0.005	0.004	0.236	0.009	32.394	TRUE	2.96E-08
FEV1	IFNGR2	cg24865779	rs2409495	A	G	-0.202	0.030	0.189	3.21E-11	0.000	0.003	0.899	0.012	44.022	TRUE	4.78E-11
FEV1	IFNGR2	cg24865779	rs34640959	A	G	0.588	0.070	0.025	6.69E-17	0.009	0.008	0.215	0.019	69.724	TRUE	3.19E-16
FEV1	IFNGR2	cg24865779	rs7277167	T	C	-0.308	0.038	0.114	2.34E-16	-0.004	0.004	0.263	0.018	67.253	TRUE	9.81E-16
FEV1	IFNGR2	cg27469991	rs2834233	G	A	-0.301	0.038	0.103	3.83E-15	-0.004	0.004	0.263	0.016	61.750	TRUE	1.45E-14
FEV1	IFNGR2	cg27469991	rs9975466	C	T	0.268	0.043	0.095	3.71E-10	-0.002	0.004	0.710	0.010	39.238	TRUE	6.04E-10
FEV1	IFNGR2	cg27469991	rs9976971	A	G	0.254	0.024	0.431	4.21E-27	0.001	0.002	0.590	0.030	116.178	TRUE	2.45E-26
FEV1	IKBKE	cg11166312	rs11576885	G	C	-0.173	0.024	0.377	7.46E-13	0.004	0.002	0.085	0.014	51.391	TRUE	3.63E-12
FEV1	IKBKE	cg11166312	rs2026081	C	T	0.212	0.030	0.185	1.47E-12	-0.001	0.003	0.873	0.013	50.060	TRUE	2.39E-12
FEV1	IKBKE	cg11166312	rs2151222	G	A	0.474	0.027	0.248	1.74E-71	-0.006	0.003	0.032	0.079	319.464	TRUE	2.33E-67
FEV1	IKBKE	cg11739399	rs2483064	G	A	0.163	0.027	0.257	2.25E-09	-0.002	0.003	0.456	0.010	35.725	TRUE	4.40E-09
FEV1	IKBKE	cg11739399	rs4532836	G	A	0.812	0.105	0.028	1.09E-14	-0.001	0.007	0.937	0.016	59.697	TRUE	1.83E-14
FEV1	IKBKE	cg11739399	rs4844539	A	G	-0.315	0.023	0.461	4.25E-41	0.004	0.002	0.138	0.046	180.162	TRUE	2.99E-39
FEV1	IKBKE	cg16619193	rs1539243	T	C	-0.236	0.033	0.157	3.90E-13	0.003	0.003	0.379	0.014	52.665	TRUE	1.06E-12
FEV1	IKBKE	cg20530056	rs1539243	T	C	-0.182	0.033	0.157	2.16E-08	0.003	0.003	0.379	0.008	31.332	TRUE	4.27E-08
FEV1	IKBKE	cg20530056	rs2297550	G	C	0.366	0.035	0.131	1.88E-25	-0.004	0.004	0.277	0.029	108.650	TRUE	1.65E-24
FEV1	IKBKE	cg20530056	rs3813981	C	T	-0.159	0.024	0.436	2.51E-11	0.003	0.002	0.156	0.012	44.504	TRUE	8.54E-11
FEV1	IKBKE	cg26859016	rs2297550	G	C	0.379	0.035	0.131	4.04E-27	-0.004	0.004	0.277	0.030	116.258	TRUE	4.12E-26
FEV1	IKBKE	cg26859016	rs3813981	C	T	-0.180	0.024	0.436	4.03E-14	0.003	0.002	0.156	0.015	57.123	TRUE	1.74E-13
FEV1	IL10	cg15096505	rs1800871	A	G	0.214	0.028	0.240	1.49E-14	-0.009	0.003	7.76E-04	0.016	59.076	TRUE	2.71E-13
FEV1	IL10	cg15096505	rs3024492	A	T	-0.275	0.026	0.274	7.37E-26	0.001	0.003	0.810	0.029	110.506	TRUE	2.78E-25
FEV1	IL10	cg17067005	rs1800871	A	G	0.224	0.028	0.240	3.48E-16	-0.009	0.003	7.76E-04	0.018	66.476	TRUE	7.89E-15
FEV1	IL6	cg00087425	rs2905333	A	G	-0.131	0.024	0.383	3.23E-08	-0.004	0.002	0.137	0.008	30.548	TRUE	8.81E-08
FEV1	IL6	cg01770232	rs1524107	T	C	1.308	0.057	0.041	3.04E-116	0.018	0.006	0.001	0.124	524.972	TRUE	3.55E-107
FEV1	IL6	cg01770232	rs59084784	A	C	0.228	0.025	0.336	6.48E-20	0.001	0.003	0.764	0.022	83.421	TRUE	1.72E-19
FEV1	IL6	cg01770232	rs6461665	A	G	0.193	0.025	0.289	3.67E-14	0.008	0.003	0.002	0.015	57.308	TRUE	4.90E-13
FEV1	IL6	cg01770232	rs7787688	T	C	0.148	0.024	0.406	8.46E-10	0.004	0.002	0.130	0.010	37.630	TRUE	2.66E-09
FEV1	IL6	cg02335517	rs73276350	G	A	0.419	0.059	0.042	8.09E-13	0.019	0.006	6.78E-04	0.014	51.232	TRUE	1.16E-11
FEV1	IL6	cg05265849	rs10229508	A	G	-0.194	0.029	0.214	1.24E-11	0.001	0.003	0.666	0.012	45.877	TRUE	2.29E-11
FEV1	IL6	cg05265849	rs10261653	A	C	0.380	0.034	0.142	1.24E-29	0.008	0.003	0.024	0.033	127.729	TRUE	5.50E-28
FEV1	IL6	cg05265849	rs10269926	G	A	0.188	0.024	0.372	1.88E-14	0.004	0.002	0.119	0.016	58.627	TRUE	9.12E-14
FEV1	IL6	cg05265849	rs116941259	T	C	-0.501	0.092	0.019	4.95E-08	-0.003	0.009	0.773	0.008	29.721	TRUE	7.02E-08
FEV1	IL6	cg05265849	rs117122223	G	T	-0.345	0.031	0.177	8.37E-29	0.002	0.003	0.457	0.032	123.947	TRUE	6.69E-28
FEV1	IL6	cg05265849	rs117814509	G	A	0.404	0.063	0.035	1.24E-10	-0.004	0.006	0.543	0.011	41.371	TRUE	2.43E-10

FEV1	IL6	cg05265849	rs117841439	T	C	-0.363	0.037	0.111	2.59E-22	-0.007	0.004	0.074	0.025	94.339	TRUE	3.13E-21
FEV1	IL6	cg05265849	rs12700386	G	C	0.368	0.029	0.210	7.59E-38	0.002	0.003	0.590	0.043	165.282	TRUE	1.13E-36
FEV1	IL6	cg05265849	rs150653978	G	C	-0.513	0.062	0.036	2.00E-16	-0.004	0.006	0.508	0.018	67.563	TRUE	5.78E-16
FEV1	IL6	cg05265849	rs17146997	G	A	0.235	0.026	0.297	1.56E-19	0.006	0.003	0.033	0.022	81.689	TRUE	1.95E-18
FEV1	IL6	cg05265849	rs1800797	A	G	-0.926	0.019	0.416	<1E-200	-0.007	0.002	0.006	0.390	2365.746	TRUE	<1E-200
FEV1	IL6	cg05265849	rs2905345	A	G	-0.398	0.027	0.256	4.93E-50	0.002	0.003	0.411	0.056	221.089	TRUE	4.10E-48
FEV1	IL6	cg05265849	rs3094974	G	A	-0.181	0.024	0.368	7.22E-14	-0.002	0.002	0.458	0.015	55.978	TRUE	1.89E-13
FEV1	IL6	cg05265849	rs4722197	T	A	-0.180	0.024	0.379	1.78E-13	-0.003	0.002	0.291	0.014	54.209	TRUE	5.58E-13
FEV1	IL6	cg05265849	rs55733027	G	A	-0.509	0.059	0.042	8.68E-18	-0.004	0.006	0.539	0.020	73.752	TRUE	2.66E-17
FEV1	IL6	cg05265849	rs56015132	T	G	0.244	0.032	0.154	3.56E-14	-0.001	0.003	0.765	0.015	57.366	TRUE	6.83E-14
FEV1	IL6	cg05265849	rs62449525	T	C	0.435	0.036	0.111	6.99E-33	0.007	0.004	0.062	0.037	142.578	TRUE	2.87E-31
FEV1	IL6	cg05265849	rs71524096	G	C	0.274	0.045	0.073	1.53E-09	0.010	0.004	0.026	0.010	36.475	TRUE	7.05E-09
FEV1	IL6	cg05265849	rs75378332	T	A	-0.489	0.062	0.043	3.72E-15	0.002	0.006	0.793	0.016	61.812	TRUE	7.36E-15
FEV1	IL6	cg05265849	rs75902902	C	G	-0.510	0.048	0.059	1.40E-26	-0.012	0.005	0.013	0.030	113.790	TRUE	5.49E-25
FEV1	IL6	cg05472934	rs10229508	A	G	-0.175	0.029	0.214	8.84E-10	0.001	0.003	0.666	0.010	37.544	TRUE	1.47E-09
FEV1	IL6	cg05472934	rs116941259	T	C	-0.602	0.092	0.019	4.93E-11	-0.003	0.009	0.773	0.012	43.181	TRUE	8.06E-11
FEV1	IL6	cg05472934	rs117122223	G	T	-0.280	0.031	0.177	2.02E-19	0.002	0.003	0.457	0.021	81.178	TRUE	7.67E-19
FEV1	IL6	cg05472934	rs11768563	G	A	0.197	0.028	0.221	3.59E-12	0.006	0.003	0.033	0.013	48.313	TRUE	2.11E-11
FEV1	IL6	cg05472934	rs12530998	T	A	-0.159	0.024	0.392	4.18E-11	0.002	0.002	0.445	0.012	43.506	TRUE	9.16E-11
FEV1	IL6	cg05472934	rs2069861	T	C	-0.570	0.058	0.085	7.35E-23	0.001	0.004	0.878	0.026	96.831	TRUE	2.11E-22
FEV1	IL6	cg05472934	rs2905322	A	C	0.160	0.027	0.272	1.74E-09	0.002	0.003	0.558	0.010	36.223	TRUE	3.15E-09
FEV1	IL6	cg05472934	rs2905345	A	G	-0.267	0.027	0.256	5.12E-23	0.002	0.003	0.411	0.026	97.549	TRUE	2.83E-22
FEV1	IL6	cg05472934	rs377767225	A	G	-0.282	0.036	0.121	2.25E-15	-0.008	0.004	0.027	0.017	62.802	TRUE	1.97E-14
FEV1	IL6	cg05472934	rs4310110	C	T	0.280	0.044	0.153	2.33E-10	-0.001	0.003	0.721	0.011	40.144	TRUE	3.85E-10
FEV1	IL6	cg05472934	rs4379365	T	C	0.142	0.026	0.311	3.27E-08	0.006	0.003	0.022	0.008	30.525	TRUE	1.34E-07
FEV1	IL6	cg05472934	rs55733027	G	A	-0.377	0.059	0.042	1.89E-10	-0.004	0.006	0.539	0.011	40.553	TRUE	3.65E-10
FEV1	IL6	cg05472934	rs62449525	T	C	0.346	0.036	0.111	2.26E-21	0.007	0.004	0.062	0.024	90.057	TRUE	2.73E-20
FEV1	IL6	cg05472934	rs6962836	G	A	0.190	0.033	0.137	1.16E-08	0.000	0.003	0.911	0.009	32.528	TRUE	1.54E-08
FEV1	IL6	cg05472934	rs73274210	G	A	0.440	0.038	0.106	9.93E-31	0.005	0.004	0.195	0.035	132.742	TRUE	1.76E-29
FEV1	IL6	cg05472934	rs75902902	C	G	-0.415	0.048	0.059	4.21E-18	-0.012	0.005	0.013	0.020	75.180	TRUE	6.20E-17
FEV1	IL6	cg05472934	rs7779799	T	C	0.337	0.059	0.077	1.06E-08	0.013	0.005	0.006	0.009	32.711	TRUE	5.91E-08
FEV1	IL6	cg05472934	rs7811929	T	C	0.183	0.024	0.386	3.03E-14	0.003	0.002	0.254	0.015	57.687	TRUE	1.07E-13
FEV1	IL6	cg07998387	rs1524107	T	C	0.620	0.058	0.041	2.22E-26	0.018	0.006	0.001	0.030	112.883	TRUE	1.69E-24
FEV1	IL6	cg07998387	rs35779989	A	C	-0.146	0.023	0.441	4.56E-10	-0.006	0.002	0.009	0.010	38.837	TRUE	2.89E-09
FEV1	IL6	cg13104385	rs10229508	A	G	-0.204	0.029	0.214	9.54E-13	0.001	0.003	0.666	0.014	50.909	TRUE	1.87E-12
FEV1	IL6	cg13104385	rs10261653	A	C	0.390	0.034	0.142	3.43E-31	0.008	0.003	0.024	0.035	134.851	TRUE	1.82E-29
FEV1	IL6	cg13104385	rs10269926	G	A	0.220	0.024	0.372	2.37E-19	0.004	0.002	0.119	0.021	80.858	TRUE	1.79E-18
FEV1	IL6	cg13104385	rs111372030	A	G	-0.404	0.043	0.078	8.68E-21	-0.012	0.004	0.006	0.023	87.395	TRUE	2.15E-19
FEV1	IL6	cg13104385	rs113688526	A	G	-0.277	0.048	0.061	1.12E-08	-0.006	0.005	0.241	0.009	32.596	TRUE	2.69E-08
FEV1	IL6	cg13104385	rs115622312	T	C	0.465	0.032	0.154	8.90E-49	0.000	0.003	0.915	0.055	215.332	TRUE	2.25E-47
FEV1	IL6	cg13104385	rs117122223	G	T	-0.393	0.031	0.177	4.50E-37	0.002	0.003	0.457	0.042	161.747	TRUE	7.73E-36
FEV1	IL6	cg13104385	rs117841439	T	C	-0.408	0.037	0.111	6.87E-28	-0.007	0.004	0.074	0.031	119.771	TRUE	1.46E-26

FEV1	IL6	cg13104385	rs117914483	C	T	0.462	0.058	0.049	1.94E-15	-0.006	0.006	0.322	0.017	63.094	TRUE	6.83E-15
FEV1	IL6	cg13104385	rs12535219	G	C	0.524	0.029	0.187	2.16E-72	0.006	0.003	0.061	0.080	323.615	TRUE	2.25E-68
FEV1	IL6	cg13104385	rs13238288	G	A	0.342	0.031	0.187	4.54E-29	0.002	0.003	0.446	0.033	125.158	TRUE	3.85E-28
FEV1	IL6	cg13104385	rs1362163	G	A	0.163	0.030	0.179	4.86E-08	0.005	0.003	0.115	0.008	29.755	TRUE	1.36E-07
FEV1	IL6	cg13104385	rs149330927	A	G	-0.567	0.098	0.015	6.93E-09	-0.004	0.009	0.696	0.009	33.537	TRUE	1.08E-08
FEV1	IL6	cg13104385	rs150653978	G	C	-0.580	0.062	0.036	1.28E-20	-0.004	0.006	0.508	0.023	86.627	TRUE	4.94E-20
FEV1	IL6	cg13104385	rs1595126	A	G	0.248	0.042	0.093	3.51E-09	-0.004	0.004	0.275	0.009	34.860	TRUE	8.19E-09
FEV1	IL6	cg13104385	rs227917	C	A	0.150	0.027	0.241	2.94E-08	0.006	0.003	0.043	0.008	30.732	TRUE	1.07E-07
FEV1	IL6	cg13104385	rs2905341	T	C	-0.637	0.104	0.033	7.92E-10	-0.010	0.006	0.113	0.010	37.759	TRUE	2.61E-09
FEV1	IL6	cg13104385	rs2905345	A	G	-0.468	0.027	0.256	2.45E-69	0.002	0.003	0.411	0.077	309.607	TRUE	2.84E-66
FEV1	IL6	cg13104385	rs2905350	C	G	0.355	0.025	0.317	7.72E-46	-0.001	0.003	0.652	0.052	201.873	TRUE	2.33E-44
FEV1	IL6	cg13104385	rs3094974	G	A	-0.212	0.024	0.368	1.91E-18	-0.002	0.002	0.458	0.020	76.740	TRUE	6.87E-18
FEV1	IL6	cg13104385	rs34240824	T	C	0.267	0.027	0.278	8.57E-24	0.006	0.003	0.023	0.027	101.084	TRUE	1.86E-22
FEV1	IL6	cg13104385	rs55733027	G	A	-0.595	0.059	0.042	7.84E-24	-0.004	0.006	0.539	0.027	101.261	TRUE	3.70E-23
FEV1	IL6	cg13104385	rs6962836	G	A	0.242	0.033	0.137	3.55E-13	0.000	0.003	0.911	0.014	52.849	TRUE	5.72E-13
FEV1	IL6	cg13104385	rs75378332	T	A	-0.557	0.062	0.043	2.86E-19	0.002	0.006	0.793	0.021	80.492	TRUE	7.18E-19
FEV1	IL6	cg13104385	rs7776857	G	T	-0.860	0.021	0.347	<1E-200	-0.007	0.003	0.003	0.311	1667.117	TRUE	<1E-200
FEV1	IL6	cg13104385	rs7782981	T	C	0.199	0.027	0.260	2.73E-13	0.009	0.003	0.001	0.014	53.368	TRUE	3.60E-12
FEV1	IL6	cg13104385	rs78578221	C	T	0.353	0.065	0.033	4.63E-08	-0.007	0.007	0.297	0.008	29.851	TRUE	9.79E-08
FEV1	IL6	cg15703690	rs2905333	A	G	-0.250	0.024	0.383	1.01E-25	-0.004	0.002	0.137	0.029	109.878	TRUE	1.34E-24
FEV1	IL6	cg15703690	rs34680848	A	G	0.157	0.024	0.482	2.40E-11	-0.004	0.002	0.086	0.012	44.592	TRUE	1.00E-10
FEV1	IL6	cg17067544	rs11766273	A	G	-0.285	0.044	0.072	1.10E-10	-0.012	0.004	0.008	0.011	41.604	TRUE	7.49E-10
FEV1	IL6	cg26061582	rs113952113	A	G	0.182	0.029	0.209	1.77E-10	0.002	0.003	0.471	0.011	40.682	TRUE	3.65E-10
FEV1	IL6	cg26061582	rs117122223	G	T	-0.211	0.031	0.177	1.28E-11	0.002	0.003	0.457	0.012	45.824	TRUE	2.86E-11
FEV1	IL6	cg26061582	rs117841439	T	C	-0.248	0.037	0.111	3.26E-11	-0.007	0.004	0.074	0.012	43.992	TRUE	1.36E-10
FEV1	IL6	cg26061582	rs1524107	T	C	1.141	0.057	0.041	1.14E-87	0.018	0.006	0.001	0.096	393.745	TRUE	2.13E-81
FEV1	IL6	cg26061582	rs1800797	A	G	-0.619	0.023	0.416	2.31E-165	-0.007	0.002	0.006	0.169	750.701	TRUE	6.97E-151
FEV1	IL6	cg26061582	rs2905345	A	G	-0.275	0.027	0.256	1.39E-24	0.002	0.003	0.411	0.028	104.691	TRUE	8.72E-24
FEV1	IL6	cg26061582	rs2961286	T	G	0.202	0.026	0.273	1.50E-14	0.001	0.003	0.631	0.016	59.068	TRUE	3.42E-14
FEV1	IL6	cg26061582	rs62449525	T	C	0.330	0.036	0.111	1.42E-19	0.007	0.004	0.062	0.022	81.868	TRUE	1.44E-18
FEV1	IL6	cg26061582	rs75378332	T	A	-0.366	0.062	0.043	3.86E-09	0.002	0.006	0.793	0.009	34.676	TRUE	5.66E-09
FEV1	IL6	cg26061582	rs75902902	C	G	-0.303	0.048	0.059	2.52E-10	-0.012	0.005	0.013	0.011	39.991	TRUE	1.51E-09
FEV1	IL6R	cg05756780	rs4133213	A	C	0.151	0.024	0.424	2.62E-10	0.000	0.002	0.884	0.011	39.916	TRUE	3.83E-10
FEV1	IL6R	cg05756780	rs6427641	G	A	0.172	0.024	0.429	4.51E-13	0.002	0.002	0.377	0.014	52.382	TRUE	1.22E-12
FEV1	IL6R	cg06980173	rs12075836	T	C	-0.194	0.032	0.152	1.47E-09	0.001	0.003	0.689	0.010	36.556	TRUE	2.37E-09
FEV1	IL6R	cg06980173	rs4845619	T	G	-0.136	0.024	0.436	1.08E-08	0.001	0.002	0.618	0.009	32.676	TRUE	1.77E-08
FEV1	IL6R	cg09257526	rs6690230	C	G	-0.171	0.024	0.392	1.63E-12	-0.002	0.002	0.502	0.013	49.854	TRUE	3.71E-12
FEV1	IL6R	cg13549904	rs114660934	A	G	-0.371	0.066	0.036	2.01E-08	-0.002	0.006	0.744	0.008	31.464	TRUE	2.95E-08
FEV1	IL6R	cg13549904	rs1889312	A	G	0.132	0.024	0.436	2.43E-08	0.002	0.002	0.302	0.008	31.096	TRUE	5.13E-08
FEV1	IL6R	cg13549904	rs55668699	A	T	-0.391	0.028	0.225	6.03E-44	-0.001	0.003	0.766	0.050	193.205	TRUE	1.18E-42
FEV1	IL6R	cg15633035	rs41304552	T	C	0.442	0.063	0.035	3.01E-12	-0.014	0.006	0.014	0.013	48.657	TRUE	2.20E-11
FEV1	IL6R	cg17001401	rs12739228	A	G	0.578	0.063	0.033	2.44E-20	0.002	0.006	0.754	0.023	85.352	TRUE	6.81E-20

FEV1	IL6R	cg20688791	rs11265611	G	A	-0.189	0.024	0.409	3.77E-15	0.000	0.002	0.906	0.016	61.783	TRUE	6.73E-15
FEV1	IL6R	cg21262032	rs10796927	C	T	0.170	0.026	0.290	6.45E-11	0.000	0.003	0.882	0.011	42.656	TRUE	9.60E-11
FEV1	IL6R	cg21262032	rs11577167	T	C	-0.448	0.069	0.028	7.08E-11	0.005	0.008	0.523	0.011	42.473	TRUE	1.43E-10
FEV1	IL6R	cg21262032	rs12023772	A	G	0.180	0.032	0.157	2.82E-08	-0.008	0.003	0.016	0.008	30.811	TRUE	1.25E-07
FEV1	IL6R	cg21262032	rs144029367	C	T	-0.553	0.095	0.020	5.14E-09	0.004	0.009	0.657	0.009	34.117	TRUE	8.30E-09
FEV1	IL6R	cg21262032	rs1685627	A	G	-0.171	0.024	0.400	1.32E-12	-0.003	0.002	0.269	0.013	50.271	TRUE	4.12E-12
FEV1	IL6R	cg21262032	rs1889312	A	G	0.183	0.024	0.436	1.66E-14	0.002	0.002	0.302	0.016	58.865	TRUE	5.46E-14
FEV1	IL6R	cg21262032	rs35013837	T	C	0.273	0.044	0.142	3.35E-10	0.007	0.003	0.050	0.011	39.440	TRUE	1.42E-09
FEV1	IL6R	cg21262032	rs60517797	C	T	-0.247	0.040	0.100	8.12E-10	-0.008	0.004	0.076	0.010	37.712	TRUE	2.98E-09
FEV1	IL6R	cg21262032	rs6427672	C	T	-0.731	0.027	0.233	2.86E-164	-0.001	0.003	0.639	0.168	745.675	TRUE	2.21E-152
FEV1	IL6R	cg21262032	rs79480105	A	G	-0.599	0.069	0.033	2.77E-18	-0.004	0.006	0.545	0.020	76.009	TRUE	8.78E-18
FEV1	IL6R	cg21262032	rs9427103	G	A	-0.217	0.031	0.175	1.69E-12	0.006	0.003	0.054	0.013	49.788	TRUE	8.97E-12
FEV1	IL6R	cg25135018	rs6427672	C	T	-0.246	0.028	0.233	7.14E-19	-0.001	0.003	0.639	0.021	78.682	TRUE	2.08E-18
FEV1	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	0.007	0.002	0.002	0.031	118.669	TRUE	9.22E-26
FEV1	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	-0.007	0.003	0.018	0.057	224.451	TRUE	6.57E-48
FEV1	INF2	cg02305961	rs61758556	T	A	0.219	0.036	0.142	1.25E-09	-0.002	0.003	0.551	0.010	36.873	TRUE	2.27E-09
FEV1	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	-0.005	0.003	0.152	0.034	131.224	TRUE	4.15E-29
FEV1	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	-0.004	0.003	0.222	0.013	48.825	TRUE	8.94E-12
FEV1	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	-0.008	0.003	0.002	0.008	31.282	TRUE	1.47E-07
FEV1	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	-0.005	0.003	0.075	0.021	79.141	TRUE	5.13E-18
FEV1	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	-0.009	0.002	3.20E-04	0.094	383.550	TRUE	4.21E-79
FEV1	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	0.007	0.002	0.002	0.018	68.785	TRUE	2.05E-15
FEV1	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	-0.005	0.003	0.077	0.017	62.938	TRUE	1.30E-14
FEV1	INF2	cg04573078	rs2498802	C	G	0.190	0.025	0.337	1.33E-14	-0.010	0.003	9.99E-05	0.016	59.301	TRUE	3.52E-13
FEV1	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	0.006	0.002	0.007	0.084	340.911	TRUE	2.88E-71
FEV1	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.004	0.004	0.385	0.010	37.644	TRUE	1.83E-09
FEV1	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	-0.007	0.003	0.018	0.022	84.464	TRUE	6.28E-19
FEV1	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	-0.007	0.003	0.018	0.023	87.021	TRUE	1.83E-19
FEV1	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	0.006	0.004	0.178	0.028	107.959	TRUE	2.91E-24
FEV1	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	-0.005	0.003	0.129	0.010	35.564	TRUE	7.37E-09
FEV1	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	0.008	0.002	0.002	0.071	282.331	TRUE	3.73E-59
FEV1	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	-0.007	0.004	0.114	0.093	377.804	TRUE	1.71E-79
FEV1	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	-0.005	0.003	0.129	0.011	39.333	TRUE	1.15E-09
FEV1	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	0.008	0.002	0.002	0.087	352.114	TRUE	3.64E-73
FEV1	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	-0.007	0.004	0.114	0.121	508.213	TRUE	2.27E-105
FEV1	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	0.007	0.002	0.002	0.011	39.846	TRUE	2.23E-09
FEV1	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	-0.005	0.006	0.331	0.010	37.103	TRUE	2.52E-09
FEV1	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	0.002	0.004	0.617	0.085	345.647	TRUE	7.38E-74
FEV1	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	-0.001	0.004	0.844	0.019	71.597	TRUE	5.48E-17
FEV1	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	-0.009	0.005	0.048	0.031	116.484	TRUE	8.93E-26
FEV1	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	-0.008	0.003	0.006	0.202	937.870	TRUE	1.36E-185
FEV1	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	0.000	0.004	0.920	0.016	58.649	TRUE	3.16E-14

FEV1	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	-0.003	0.003	0.418	0.012	44.800	TRUE	4.99E-11
FEV1	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	-0.008	0.003	0.006	0.023	85.568	TRUE	5.31E-19
FEV1	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.004	0.004	0.385	0.010	36.206	TRUE	3.74E-09
FEV1	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	-0.004	0.003	0.222	0.010	39.191	TRUE	1.04E-09
FEV1	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	-0.012	0.014	0.409	0.029	110.722	TRUE	4.53E-25
FEV1	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	-0.010	0.003	5.43E-04	0.053	207.549	TRUE	8.03E-44
FEV1	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	-0.008	0.004	0.060	0.100	409.893	TRUE	1.09E-85
FEV1	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	-0.002	0.002	0.548	0.023	85.476	TRUE	8.49E-20
FEV1	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	-0.005	0.003	0.065	0.032	123.422	TRUE	2.70E-27
FEV1	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	-0.010	0.003	5.43E-04	0.025	95.952	TRUE	6.42E-21
FEV1	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	-0.011	0.004	0.002	0.014	53.866	TRUE	2.76E-12
FEV1	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	0.002	0.004	0.617	0.008	30.317	TRUE	5.77E-08
FEV1	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	0.000	0.004	0.970	0.008	31.064	TRUE	3.08E-08
FEV1	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	-0.008	0.004	0.055	0.044	168.731	TRUE	1.12E-36
FEV1	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	0.008	0.002	0.002	0.055	215.354	TRUE	1.44E-45
FEV1	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	-0.006	0.003	0.010	0.010	37.466	TRUE	5.32E-09
FEV1	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	-0.004	0.003	0.222	0.009	33.252	TRUE	1.98E-08
FEV1	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	0.008	0.002	0.001	0.062	243.465	TRUE	3.50E-51
FEV1	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	-0.007	0.004	0.114	0.083	336.852	TRUE	2.96E-71
FEV1	ING5	cg03108703	rs143076111	C	A	-0.934	0.052	0.118	1.07E-71	0.005	0.004	0.196	0.080	320.428	TRUE	3.82E-68
FEV1	ING5	cg03108703	rs184401988	G	T	-0.755	0.133	0.017	1.27E-08	0.005	0.011	0.626	0.009	32.356	TRUE	2.06E-08
FEV1	ING5	cg03979788	rs1133811	A	G	0.980	0.025	0.426	<1E-200	0.004	0.003	0.119	0.287	1491.662	TRUE	3.64E-285
FEV1	ING5	cg03979788	rs11691199	A	G	0.155	0.026	0.299	2.47E-09	0.002	0.003	0.450	0.010	35.542	TRUE	4.79E-09
FEV1	ING5	cg03979788	rs142081672	A	G	0.542	0.085	0.043	2.07E-10	0.006	0.007	0.378	0.011	40.375	TRUE	4.73E-10
FEV1	ING5	cg03979788	rs142497237	T	C	-0.350	0.061	0.043	1.07E-08	-0.002	0.006	0.801	0.009	32.688	TRUE	1.53E-08
FEV1	ING5	cg03979788	rs142718122	C	T	-0.544	0.084	0.045	8.78E-11	-0.003	0.006	0.622	0.011	42.054	TRUE	1.61E-10
FEV1	ING5	cg03979788	rs1444997	T	C	-0.221	0.032	0.164	2.51E-12	0.007	0.003	0.023	0.013	49.015	TRUE	1.65E-11
FEV1	ING5	cg03979788	rs34106717	A	G	0.265	0.025	0.301	1.05E-25	0.001	0.003	0.698	0.029	109.795	TRUE	4.66E-25
FEV1	ING5	cg03979788	rs34691302	T	C	0.343	0.039	0.091	1.47E-18	0.004	0.004	0.294	0.020	77.250	TRUE	6.86E-18
FEV1	ING5	cg03979788	rs35145466	A	G	-0.423	0.045	0.091	6.40E-21	0.003	0.004	0.436	0.023	87.998	TRUE	2.83E-20
FEV1	ING5	cg03979788	rs4234096	C	T	0.311	0.034	0.430	1.45E-19	0.003	0.003	0.178	0.022	81.830	TRUE	9.23E-19
FEV1	ING5	cg03979788	rs62186372	G	C	0.268	0.039	0.094	5.87E-12	-0.009	0.004	0.009	0.013	47.347	TRUE	4.58E-11
FEV1	ING5	cg03979788	rs62190317	T	C	0.630	0.074	0.059	1.23E-17	0.008	0.005	0.091	0.019	73.059	TRUE	8.96E-17
FEV1	ING5	cg03979788	rs7369610	A	G	-0.617	0.055	0.098	8.23E-29	0.009	0.004	0.031	0.032	123.979	TRUE	2.90E-27
FEV1	ING5	cg03979788	rs7420166	A	G	0.352	0.027	0.243	5.19E-39	-0.008	0.003	0.007	0.044	170.614	TRUE	1.18E-36
FEV1	ING5	cg03979788	rs7566006	C	G	0.178	0.029	0.193	1.67E-09	0.001	0.003	0.629	0.010	36.302	TRUE	2.84E-09
FEV1	ING5	cg03979788	rs7570624	A	G	0.161	0.023	0.467	6.90E-12	0.000	0.002	0.860	0.013	47.032	TRUE	1.08E-11
FEV1	ING5	cg03979788	rs886810	A	C	-0.198	0.024	0.376	2.25E-16	0.003	0.002	0.265	0.018	67.330	TRUE	9.40E-16
FEV1	ING5	cg04122744	rs36147544	T	C	0.404	0.055	0.117	1.43E-13	0.006	0.004	0.136	0.015	54.630	TRUE	6.20E-13
FEV1	ING5	cg11463903	rs10933538	A	G	-0.225	0.025	0.354	7.09E-20	0.007	0.003	0.003	0.022	83.244	TRUE	1.89E-18
FEV1	ING5	cg11463903	rs12617994	T	C	-0.233	0.026	0.271	4.75E-19	-0.007	0.003	0.006	0.021	79.486	TRUE	9.23E-18
FEV1	ING5	cg11463903	rs13408032	T	C	-0.260	0.047	0.128	4.47E-08	-0.005	0.004	0.154	0.008	29.917	TRUE	1.16E-07

FEV1	ING5	cg11463903	rs142704390	C	G	-0.585	0.102	0.025	8.66E-09	-0.017	0.007	0.008	0.009	33.104	TRUE	4.58E-08
FEV1	ING5	cg11463903	rs142718122	C	T	-0.520	0.084	0.045	5.74E-10	-0.003	0.006	0.622	0.010	38.389	TRUE	1.01E-09
FEV1	ING5	cg11463903	rs144303868	C	G	-0.411	0.061	0.043	1.32E-11	-0.001	0.006	0.895	0.012	45.763	TRUE	1.99E-11
FEV1	ING5	cg11463903	rs147108370	G	A	-0.485	0.068	0.034	9.63E-13	-0.008	0.007	0.242	0.014	50.891	TRUE	3.12E-12
FEV1	ING5	cg11463903	rs34214302	G	A	0.408	0.055	0.114	1.04E-13	0.004	0.004	0.257	0.015	55.253	TRUE	3.55E-13
FEV1	ING5	cg11463903	rs34767573	C	G	0.396	0.057	0.045	3.41E-12	0.006	0.006	0.332	0.013	48.411	TRUE	9.37E-12
FEV1	ING5	cg11463903	rs55729724	G	A	-0.185	0.028	0.237	2.75E-11	0.003	0.003	0.277	0.012	44.324	TRUE	7.49E-11
FEV1	ING5	cg11463903	rs62191280	C	G	0.386	0.047	0.155	2.07E-16	0.010	0.003	0.006	0.018	67.494	TRUE	3.15E-15
FEV1	ING5	cg11463903	rs62192043	A	G	0.214	0.027	0.246	2.72E-15	0.007	0.003	0.019	0.017	62.422	TRUE	2.55E-14
FEV1	ING5	cg11463903	rs6741587	A	C	-0.284	0.028	0.225	1.96E-24	-0.003	0.003	0.230	0.027	104.011	TRUE	1.73E-23
FEV1	ING5	cg11463903	rs6747920	A	G	-0.521	0.058	0.091	2.16E-19	0.010	0.004	0.020	0.021	81.039	TRUE	3.20E-18
FEV1	ING5	cg11463903	rs73123528	G	A	0.361	0.027	0.244	8.50E-41	-0.008	0.003	0.004	0.046	178.787	TRUE	2.93E-38
FEV1	ING5	cg11463903	rs7566006	C	G	0.212	0.029	0.193	5.40E-13	0.001	0.003	0.629	0.014	52.025	TRUE	1.11E-12
FEV1	ING5	cg13140981	rs184401988	G	T	-0.756	0.133	0.017	1.23E-08	0.005	0.011	0.626	0.009	32.414	TRUE	2.00E-08
FEV1	ING5	cg13140981	rs35249316	G	A	0.260	0.035	0.391	8.74E-14	0.000	0.003	0.889	0.015	55.602	TRUE	1.45E-13
FEV1	ING5	cg13140981	rs62193476	A	G	-0.278	0.036	0.354	6.21E-15	0.007	0.003	0.007	0.016	60.801	TRUE	7.69E-14
FEV1	ING5	cg13140981	rs72484056	A	G	-1.038	0.052	0.115	2.21E-87	0.005	0.004	0.225	0.096	392.422	TRUE	1.01E-82
FEV1	ING5	cg13262212	rs138826996	T	C	-1.690	0.139	0.014	3.75E-34	-0.034	0.011	0.001	0.039	148.390	TRUE	8.27E-32
FEV1	ING5	cg13262212	rs141941174	A	G	-0.688	0.112	0.018	7.15E-10	0.005	0.009	0.608	0.010	37.959	TRUE	1.26E-09
FEV1	ING5	cg14409746	rs111942358	C	G	0.208	0.033	0.150	3.61E-10	0.007	0.003	0.050	0.011	39.291	TRUE	1.55E-09
FEV1	ING5	cg14409746	rs7369408	A	G	-0.153	0.028	0.221	3.14E-08	-0.011	0.003	1.72E-04	0.008	30.601	TRUE	2.76E-07
FEV1	ING5	cg15141204	rs4428044	C	A	-0.248	0.034	0.446	3.33E-13	0.002	0.003	0.457	0.014	52.973	TRUE	8.20E-13
FEV1	ING5	cg17530031	rs138807997	G	A	0.601	0.085	0.043	2.10E-12	-0.003	0.006	0.631	0.013	49.361	TRUE	4.18E-12
FEV1	ING5	cg17530031	rs145676805	A	G	0.451	0.070	0.034	1.17E-10	-0.006	0.008	0.441	0.011	41.493	TRUE	2.53E-10
FEV1	ING5	cg17530031	rs147476185	T	A	0.314	0.049	0.058	1.34E-10	-0.006	0.005	0.251	0.011	41.230	TRUE	3.61E-10
FEV1	ING5	cg17530031	rs4234096	C	T	-0.315	0.034	0.430	5.75E-20	0.003	0.003	0.178	0.022	83.658	TRUE	3.79E-19
FEV1	ING5	cg17530031	rs4675796	T	C	0.507	0.051	0.127	2.09E-23	0.002	0.004	0.625	0.026	99.323	TRUE	8.48E-23
FEV1	ING5	cg17530031	rs55729724	G	A	0.161	0.028	0.237	8.10E-09	0.003	0.003	0.277	0.009	33.233	TRUE	1.84E-08
FEV1	ING5	cg17530031	rs62186372	G	C	-0.265	0.039	0.094	1.15E-11	-0.009	0.004	0.009	0.012	46.026	TRUE	8.68E-11
FEV1	ING5	cg17530031	rs62191280	C	G	-0.423	0.047	0.155	1.79E-19	0.010	0.003	0.006	0.022	81.415	TRUE	3.94E-18
FEV1	ING5	cg17530031	rs7369610	A	G	0.371	0.056	0.098	3.91E-11	0.009	0.004	0.031	0.012	43.637	TRUE	2.07E-10
FEV1	ING5	cg17530031	rs7420166	A	G	-0.303	0.027	0.243	7.16E-29	-0.008	0.003	0.007	0.033	124.257	TRUE	4.43E-27
FEV1	ING5	cg17530031	rs7558279	G	A	0.265	0.035	0.346	4.20E-14	0.003	0.003	0.256	0.015	57.043	TRUE	1.46E-13
FEV1	ING5	cg17530031	rs7591047	A	G	-0.861	0.028	0.394	3.72E-212	0.002	0.003	0.431	0.207	965.817	TRUE	3.88E-193
FEV1	ING5	cg17530031	rs79082577	G	A	0.337	0.056	0.104	1.49E-09	0.001	0.004	0.872	0.010	36.523	TRUE	2.10E-09
FEV1	ING5	cg20516529	rs112011439	A	T	-1.882	0.134	0.015	7.47E-45	-0.035	0.011	7.85E-04	0.051	197.355	TRUE	9.23E-42
FEV1	ING5	cg20516529	rs11676197	T	C	0.178	0.028	0.222	1.83E-10	-0.003	0.003	0.256	0.011	40.621	TRUE	4.89E-10
FEV1	ING5	cg20516529	rs35512800	A	G	-0.611	0.052	0.130	2.54E-32	0.000	0.004	0.969	0.036	140.015	TRUE	1.26E-31
FEV1	ING5	cg20516529	rs4675933	T	C	-0.178	0.025	0.323	1.58E-12	-0.013	0.003	6.33E-07	0.013	49.924	TRUE	6.39E-11
FEV1	ING5	cg20516529	rs74651980	A	G	-0.667	0.101	0.018	3.57E-11	-0.009	0.009	0.331	0.012	43.814	TRUE	9.02E-11
FEV1	ING5	cg21244745	rs34692098	G	T	0.238	0.034	0.138	4.59E-12	-0.011	0.003	0.002	0.013	47.828	TRUE	5.03E-11
FEV1	ING5	cg21244745	rs7371227	C	G	-0.392	0.034	0.413	2.98E-31	-0.001	0.002	0.570	0.035	135.127	TRUE	2.51E-30

FEV1	ING5	cg21244745	rs74562536	T	C	-0.202	0.028	0.215	7.74E-13	-0.007	0.003	0.010	0.014	51.318	TRUE	6.70E-12
FEV1	ING5	cg24048263	rs35145466	A	G	0.320	0.045	0.091	1.52E-12	0.003	0.004	0.436	0.013	50.000	TRUE	3.73E-12
FEV1	IREB2	cg13714459	rs2656065	A	G	0.303	0.025	0.330	1.07E-33	-0.021	0.003	8.17E-17	0.038	146.300	TRUE	6.11E-29
FEV1	IREB2	cg18825076	rs1052035	C	T	-0.634	0.075	0.056	1.76E-17	-0.012	0.006	0.037	0.019	72.363	TRUE	1.73E-16
FEV1	IREB2	cg18825076	rs117756166	C	T	-0.552	0.053	0.047	1.83E-25	-0.022	0.005	3.49E-05	0.029	108.705	TRUE	3.04E-23
FEV1	IREB2	cg18825076	rs12592823	A	G	0.369	0.044	0.085	2.21E-17	0.011	0.004	0.008	0.019	71.906	TRUE	3.32E-16
FEV1	IREB2	cg18825076	rs12913946	T	C	-0.219	0.028	0.235	3.91E-15	0.000	0.003	0.906	0.016	61.712	TRUE	6.86E-15
FEV1	IREB2	cg18825076	rs1994016	T	C	-0.301	0.024	0.433	2.60E-37	-0.002	0.002	0.431	0.042	162.836	TRUE	4.91E-36
FEV1	IREB2	cg18825076	rs2229961	A	G	-0.763	0.130	0.018	3.99E-09	-0.015	0.009	0.092	0.009	34.612	TRUE	1.31E-08
FEV1	IREB2	cg18825076	rs2869030	G	T	0.579	0.028	0.237	7.27E-98	0.003	0.003	0.325	0.106	440.556	TRUE	1.54E-92
FEV1	IREB2	cg18825076	rs4887024	T	C	0.141	0.024	0.416	4.02E-09	0.004	0.002	0.104	0.009	34.596	TRUE	1.27E-08
FEV1	IREB2	cg18825076	rs72736802	T	A	-0.897	0.021	0.344	<1E-200	-0.021	0.003	8.73E-16	0.326	1791.058	TRUE	<1E-200
FEV1	IREB2	cg18825076	rs76161838	T	C	-0.539	0.088	0.022	8.14E-10	-0.014	0.008	0.088	0.010	37.706	TRUE	2.90E-09
FEV1	IREB2	cg18825076	rs76474922	C	A	0.507	0.044	0.079	2.03E-31	0.013	0.004	0.002	0.035	135.893	TRUE	2.78E-29
FEV1	IREB2	cg19941054	rs2089162	G	A	0.281	0.025	0.322	5.50E-29	-0.020	0.003	3.54E-16	0.033	124.777	TRUE	9.12E-25
FEV1	IRF2	cg01926348	rs34463449	C	T	-0.552	0.062	0.030	2.79E-19	0.011	0.006	0.055	0.021	80.535	TRUE	2.83E-18
FEV1	IRF2	cg04718987	rs3756097	T	C	-0.146	0.024	0.332	1.97E-09	0.005	0.003	0.040	0.010	35.981	TRUE	8.16E-09
FEV1	IRF2	cg04718987	rs7685698	C	T	0.212	0.032	0.151	3.71E-11	-0.010	0.003	0.003	0.012	43.739	TRUE	3.34E-10
FEV1	IRF2	cg04748972	rs3756092	C	T	-0.233	0.039	0.096	1.69E-09	-0.009	0.004	0.026	0.010	36.286	TRUE	7.83E-09
FEV1	IRF2	cg04748972	rs793812	T	C	-0.137	0.024	0.348	1.14E-08	0.006	0.003	0.018	0.009	32.570	TRUE	5.15E-08
FEV1	IRF2	cg04748972	rs793814	T	A	0.397	0.033	0.362	1.26E-33	0.002	0.002	0.457	0.038	145.987	TRUE	1.58E-32
FEV1	IRF2	cg05075308	rs144726693	T	A	-0.507	0.056	0.085	1.65E-19	-0.001	0.004	0.887	0.022	81.573	TRUE	3.82E-19
FEV1	IRF2	cg05075308	rs3775574	G	A	0.169	0.024	0.398	4.12E-12	0.001	0.002	0.766	0.013	48.040	TRUE	7.10E-12
FEV1	IRF2	cg05075308	rs809909	T	A	0.218	0.034	0.311	2.25E-10	-0.004	0.003	0.159	0.011	40.214	TRUE	7.00E-10
FEV1	IRF2	cg05501617	rs13115095	G	A	0.584	0.025	0.269	1.71E-117	0.000	0.003	0.905	0.125	530.718	TRUE	3.78E-111
FEV1	IRF2	cg05501617	rs3756096	C	T	0.201	0.033	0.146	1.69E-09	-0.010	0.003	0.003	0.010	36.282	TRUE	1.17E-08
FEV1	IRF2	cg05501617	rs62339964	T	A	-0.635	0.041	0.081	3.78E-53	0.002	0.004	0.670	0.060	235.366	TRUE	2.52E-51
FEV1	IRF2	cg05501617	rs68145634	T	C	-0.200	0.031	0.176	5.83E-11	0.000	0.003	0.950	0.011	42.855	TRUE	8.21E-11
FEV1	IRF2	cg05501617	rs6831828	T	C	0.192	0.026	0.286	1.08E-13	0.000	0.003	0.996	0.015	55.189	TRUE	1.64E-13
FEV1	IRF2	cg07394914	rs1863319	A	G	0.183	0.024	0.430	2.45E-14	0.005	0.002	0.051	0.015	58.104	TRUE	1.59E-13
FEV1	IRF2	cg07394914	rs3775574	G	A	0.262	0.024	0.398	1.54E-27	0.001	0.002	0.766	0.031	118.175	TRUE	6.99E-27
FEV1	IRF2	cg07940428	rs9685945	G	A	-0.194	0.024	0.365	1.35E-15	0.000	0.002	0.874	0.017	63.799	TRUE	2.55E-15
FEV1	IRF2	cg09234297	rs793814	T	A	0.220	0.034	0.362	8.65E-11	0.002	0.002	0.457	0.011	42.082	TRUE	1.86E-10
FEV1	IRF2	cg11784578	rs13116389	T	G	0.176	0.030	0.178	4.54E-09	-0.011	0.003	5.91E-04	0.009	34.360	TRUE	3.91E-08
FEV1	IRF2	cg11784578	rs3775579	G	C	0.165	0.024	0.363	1.27E-11	0.001	0.003	0.818	0.012	45.837	TRUE	2.06E-11
FEV1	IRF2	cg11802666	rs1425551	T	G	-0.234	0.024	0.473	2.88E-23	-0.003	0.002	0.203	0.026	98.686	TRUE	2.51E-22
FEV1	IRF2	cg11802666	rs4861623	A	G	-0.274	0.043	0.077	1.87E-10	-0.002	0.004	0.708	0.011	40.574	TRUE	3.11E-10
FEV1	IRF2	cg11802666	rs793786	C	A	0.202	0.024	0.393	8.51E-17	0.001	0.002	0.790	0.018	69.251	TRUE	1.83E-16
FEV1	IRF2	cg12453504	rs55876364	T	G	-0.170	0.024	0.435	6.04E-13	-0.003	0.002	0.298	0.014	51.807	TRUE	1.82E-12
FEV1	IRF2	cg19757535	rs17075879	C	T	0.294	0.035	0.308	2.24E-17	0.007	0.003	0.008	0.019	71.884	TRUE	3.32E-16
FEV1	IRF2	cg19757535	rs17488695	A	G	-0.317	0.040	0.191	2.26E-15	0.000	0.003	0.894	0.017	62.793	TRUE	4.10E-15
FEV1	IRF2	cg19757535	rs1863315	C	T	0.388	0.038	0.099	5.10E-24	0.001	0.004	0.768	0.027	102.113	TRUE	1.78E-23

FEV1	IRF2	cg19757535	rs1918633	A	G	-0.302	0.023	0.480	1.19E-38	-0.002	0.002	0.395	0.044	168.956	TRUE	2.72E-37
FEV1	IRF2	cg19757535	rs58976078	T	C	0.812	0.021	0.360	<1E-200	0.000	0.003	0.934	0.280	1439.172	TRUE	2.27E-278
FEV1	IRF2	cg19757535	rs793812	T	C	0.138	0.024	0.348	1.50E-08	0.006	0.003	0.018	0.009	32.036	TRUE	6.69E-08
FEV1	IRF2	cg19757535	rs9685836	T	G	0.395	0.055	0.092	7.83E-13	-0.005	0.004	0.221	0.014	51.297	TRUE	2.67E-12
FEV1	IRF2	cg22442686	rs6833584	A	G	-0.226	0.033	0.145	8.39E-12	-0.010	0.003	0.004	0.012	46.647	TRUE	7.78E-11
FEV1	IRF2	cg22442686	rs793814	T	A	0.439	0.033	0.362	3.58E-41	0.002	0.002	0.457	0.047	180.506	TRUE	9.55E-40
FEV1	IRF2	cg22442686	rs796988	A	G	-0.161	0.028	0.219	9.14E-09	-0.003	0.003	0.274	0.009	32.998	TRUE	2.07E-08
FEV1	ITGAM	cg00764981	rs9674009	C	A	0.295	0.023	0.461	7.43E-37	-0.004	0.002	0.087	0.042	160.748	TRUE	4.16E-35
FEV1	ITGAM	cg02256631	rs34550882	T	C	-0.413	0.037	0.115	1.69E-29	0.006	0.004	0.104	0.033	127.122	TRUE	3.76E-28
FEV1	ITGAM	cg02256631	rs56392848	A	G	0.427	0.025	0.318	1.06E-66	-0.009	0.003	3.77E-04	0.074	297.509	TRUE	6.10E-62
FEV1	ITGAM	cg02846316	rs1108431	T	C	-0.360	0.024	0.342	2.16E-50	-0.020	0.002	1.95E-17	0.057	222.733	TRUE	6.78E-44
FEV1	ITGAM	cg02846316	rs112766425	G	A	-0.457	0.050	0.055	4.46E-20	-0.016	0.005	0.001	0.022	84.159	TRUE	1.57E-18
FEV1	ITGAM	cg02846316	rs11641202	A	G	-0.777	0.021	0.431	<1E-200	-0.004	0.002	0.077	0.278	1427.662	TRUE	7.12E-274
FEV1	ITGAM	cg02846316	rs11861258	A	G	-0.450	0.067	0.058	2.63E-11	-0.004	0.005	0.421	0.012	44.413	TRUE	6.03E-11
FEV1	ITGAM	cg02846316	rs12597684	C	A	-0.285	0.046	0.076	4.05E-10	-0.001	0.004	0.875	0.010	39.066	TRUE	5.85E-10
FEV1	ITGAM	cg02846316	rs148702283	T	C	0.235	0.036	0.108	6.20E-11	-0.004	0.004	0.305	0.011	42.734	TRUE	1.60E-10
FEV1	ITGAM	cg02846316	rs182339188	C	T	-0.397	0.064	0.037	5.72E-10	0.007	0.007	0.287	0.010	38.395	TRUE	1.40E-09
FEV1	ITGAM	cg02846316	rs2230428	A	G	0.413	0.029	0.190	1.19E-44	0.000	0.003	0.891	0.050	196.430	TRUE	2.06E-43
FEV1	ITGAM	cg02846316	rs2454907	A	G	0.271	0.032	0.156	3.66E-17	0.004	0.003	0.252	0.019	70.912	TRUE	1.67E-16
FEV1	ITGAM	cg02846316	rs4889656	G	C	-0.241	0.024	0.387	9.74E-24	-0.005	0.002	0.053	0.027	100.832	TRUE	1.58E-22
FEV1	ITGAM	cg02846316	rs58408589	G	A	-0.499	0.032	0.156	2.26E-53	0.007	0.003	0.028	0.060	236.387	TRUE	2.06E-50
FEV1	ITGAM	cg02846316	rs76133734	A	G	0.503	0.089	0.034	1.84E-08	0.007	0.006	0.248	0.008	31.639	TRUE	4.26E-08
FEV1	ITGAM	cg05625471	rs1143679	A	G	-0.297	0.039	0.103	2.67E-14	0.010	0.004	0.013	0.015	57.931	TRUE	2.48E-13
FEV1	ITGAM	cg05625471	rs4594268	T	C	0.377	0.025	0.319	5.59E-52	-0.009	0.003	3.80E-04	0.059	230.006	TRUE	2.60E-48
FEV1	ITGAM	cg05625471	rs4889655	T	C	0.138	0.024	0.387	1.07E-08	-0.005	0.002	0.047	0.009	32.693	TRUE	3.91E-08
FEV1	ITGAM	cg05625471	rs9927295	A	G	-0.152	0.027	0.245	1.21E-08	0.010	0.003	4.47E-04	0.009	32.460	TRUE	1.01E-07
FEV1	ITGAM	cg08050115	rs2454907	A	G	0.199	0.032	0.156	7.04E-10	0.004	0.003	0.252	0.010	37.988	TRUE	1.82E-09
FEV1	ITGAM	cg08050115	rs4889656	G	C	-0.155	0.024	0.387	1.05E-10	-0.005	0.002	0.053	0.011	41.701	TRUE	4.61E-10
FEV1	ITGAM	cg08050115	rs62057137	T	C	0.222	0.037	0.105	3.16E-09	0.003	0.004	0.495	0.009	35.064	TRUE	5.93E-09
FEV1	ITGAM	cg08050115	rs9674009	C	A	-0.376	0.023	0.461	1.33E-58	-0.004	0.002	0.087	0.066	260.373	TRUE	1.28E-55
FEV1	ITGAM	cg09326409	rs3815801	C	T	0.171	0.025	0.330	6.44E-12	-0.009	0.003	1.56E-04	0.013	47.167	TRUE	1.04E-10
FEV1	ITGAM	cg09743950	rs12598380	T	C	0.285	0.024	0.385	1.05E-31	0.006	0.002	0.022	0.036	137.194	TRUE	6.36E-30
FEV1	ITGAM	cg09743950	rs34550882	T	C	-0.519	0.037	0.115	7.97E-46	0.006	0.004	0.104	0.052	201.808	TRUE	1.16E-43
FEV1	ITGAM	cg15337006	rs11641624	C	T	-0.159	0.025	0.317	3.14E-10	-0.009	0.003	1.83E-04	0.011	39.565	TRUE	3.87E-09
FEV1	ITGAM	cg15817542	rs1143678	T	C	-0.922	0.032	0.144	1.86E-183	0.007	0.003	0.024	0.184	833.875	TRUE	5.39E-167
FEV1	ITGAM	cg15817542	rs11649290	T	A	-0.180	0.026	0.265	8.26E-12	0.005	0.003	0.042	0.012	46.678	TRUE	4.27E-11
FEV1	ITGAM	cg15817542	rs78522165	A	G	0.309	0.048	0.060	1.15E-10	-0.016	0.004	2.77E-04	0.011	41.520	TRUE	1.42E-09
FEV1	ITGAM	cg15817542	rs8048583	T	C	0.407	0.025	0.332	5.64E-61	-0.009	0.003	1.73E-04	0.068	271.248	TRUE	1.60E-56
FEV1	ITPRIP	cg02682924	rs10883967	G	A	-0.193	0.032	0.159	2.82E-09	0.007	0.003	0.038	0.009	35.284	TRUE	1.16E-08
FEV1	ITPRIP	cg02682924	rs41291846	T	G	-0.313	0.026	0.283	1.29E-33	0.006	0.003	0.031	0.038	145.935	TRUE	8.00E-32
FEV1	ITPRIP	cg03640944	rs72825857	G	A	-0.846	0.133	0.013	2.05E-10	-0.004	0.010	0.712	0.011	40.394	TRUE	3.42E-10
FEV1	ITPRIP	cg04935278	rs17884376	G	A	-0.883	0.132	0.014	2.57E-11	-0.003	0.010	0.759	0.012	44.456	TRUE	4.29E-11

FEV1	ITPRIP	cg05788080	rs147944114	A	G	-2.087	0.116	0.024	1.52E-72	0.000	0.008	0.958	0.081	324.318	TRUE	7.54E-70
FEV1	ITPRIP	cg05788080	rs568801321	T	A	-0.303	0.055	0.047	3.70E-08	-0.005	0.005	0.395	0.008	30.283	TRUE	7.12E-08
FEV1	ITPRIP	cg11276172	rs276216	G	A	-0.250	0.025	0.313	5.03E-23	0.005	0.003	0.076	0.026	97.583	TRUE	6.79E-22
FEV1	ITPRIP	cg19640166	rs10883994	C	G	-0.146	0.026	0.307	1.08E-08	0.005	0.003	0.063	0.009	32.674	TRUE	3.78E-08
FEV1	ITPRIP	cg22882506	rs34594271	T	C	0.347	0.055	0.044	3.52E-10	0.006	0.005	0.295	0.011	39.344	TRUE	8.65E-10
FEV1	ITPRIP	cg22882506	rs7095770	G	A	0.400	0.026	0.285	1.18E-54	0.005	0.003	0.036	0.061	242.273	TRUE	1.05E-51
FEV1	ITPRIP	cg23387597	rs72825834	G	T	-0.834	0.133	0.014	3.68E-10	-0.005	0.010	0.664	0.011	39.252	TRUE	6.32E-10
FEV1	ITPRIP	cg24168991	rs11192059	T	C	0.307	0.036	0.126	5.19E-18	-0.008	0.004	0.021	0.020	74.766	TRUE	6.36E-17
FEV1	ITPRIP	cg24168991	rs112972485	T	A	-0.529	0.087	0.019	1.19E-09	-0.015	0.008	0.068	0.010	36.963	TRUE	4.44E-09
FEV1	ITPRIP	cg24168991	rs11594962	T	C	0.419	0.064	0.070	7.40E-11	0.008	0.005	0.084	0.011	42.387	TRUE	2.96E-10
FEV1	ITPRIP	cg24168991	rs12570506	A	T	-0.399	0.030	0.158	2.69E-39	-0.005	0.003	0.122	0.044	171.919	TRUE	1.58E-37
FEV1	ITPRIP	cg24168991	rs1484247	C	A	-0.170	0.024	0.403	1.28E-12	0.007	0.002	0.006	0.013	50.335	TRUE	1.22E-11
FEV1	ITPRIP	cg24168991	rs17736358	C	T	0.205	0.029	0.223	1.02E-12	0.004	0.003	0.182	0.014	50.769	TRUE	3.65E-12
FEV1	ITPRIP	cg24168991	rs17761559	G	T	-0.298	0.047	0.126	3.57E-10	-0.001	0.004	0.859	0.011	39.316	TRUE	5.18E-10
FEV1	ITPRIP	cg24168991	rs17885600	T	A	-0.557	0.102	0.012	4.65E-08	-0.014	0.010	0.162	0.008	29.840	TRUE	1.19E-07
FEV1	ITPRIP	cg24168991	rs181325500	T	G	-0.545	0.087	0.019	3.93E-10	0.010	0.009	0.258	0.010	39.124	TRUE	1.02E-09
FEV1	ITPRIP	cg24168991	rs34970111	T	C	-0.883	0.020	0.444	<1E-200	0.003	0.002	0.243	0.354	2031.331	TRUE	<1E-200
FEV1	ITPRIP	cg24168991	rs35691152	A	C	0.257	0.034	0.128	7.92E-14	0.015	0.004	3.16E-05	0.015	55.795	TRUE	2.23E-12
FEV1	ITPRIP	cg24168991	rs600893	G	A	-0.391	0.026	0.261	1.60E-49	0.007	0.003	0.008	0.056	218.741	TRUE	1.41E-46
FEV1	ITPRIP	cg24168991	rs61861269	C	T	-0.440	0.073	0.026	1.33E-09	0.015	0.007	0.027	0.010	36.749	TRUE	6.09E-09
FEV1	ITPRIP	cg24168991	rs7095209	A	G	-0.179	0.028	0.236	9.56E-11	-0.003	0.003	0.217	0.011	41.886	TRUE	2.81E-10
FEV1	ITPRIP	cg24168991	rs7095475	C	T	-0.218	0.033	0.153	3.92E-11	-0.005	0.003	0.107	0.012	43.630	TRUE	1.50E-10
FEV1	ITPRIP	cg24168991	rs72809849	A	G	0.367	0.054	0.054	1.33E-11	0.007	0.006	0.228	0.012	45.741	TRUE	4.08E-11
FEV1	ITPRIP	cg24168991	rs72811687	G	T	-0.266	0.044	0.075	1.22E-09	0.001	0.004	0.761	0.010	36.923	TRUE	1.88E-09
FEV1	ITPRIP	cg24168991	rs72823928	C	T	0.216	0.038	0.229	1.20E-08	-0.001	0.003	0.654	0.009	32.466	TRUE	1.91E-08
FEV1	ITPRIP	cg24168991	rs74473479	G	A	-0.756	0.103	0.017	2.23E-13	0.001	0.009	0.929	0.014	53.760	TRUE	3.55E-13
FEV1	ITPRIP	cg24168991	rs79151117	G	A	-0.731	0.088	0.021	6.84E-17	-0.004	0.008	0.651	0.018	69.680	TRUE	1.73E-16
FEV1	ITPRIP	cg24168991	rs911547	G	A	-0.242	0.034	0.146	5.78E-13	-0.005	0.003	0.133	0.014	51.891	TRUE	2.40E-12
FEV1	ITPRIP	cg24199006	rs10883992	C	A	0.203	0.026	0.289	5.08E-15	0.005	0.003	0.049	0.016	61.194	TRUE	3.54E-14
FEV1	ITPRIP	cg25552843	rs10883994	C	G	-0.216	0.025	0.307	1.22E-17	0.005	0.003	0.063	0.019	73.081	TRUE	1.04E-16
FEV1	ITPRIP	cg27365978	rs10883967	G	A	0.197	0.032	0.159	1.17E-09	0.007	0.003	0.038	0.010	37.007	TRUE	5.00E-09
FEV1	ITPRIP	cg27365978	rs114365861	C	T	0.346	0.061	0.036	1.53E-08	0.000	0.006	0.948	0.009	31.997	TRUE	1.96E-08
FEV1	ITPRIP	cg27365978	rs34594271	T	C	0.340	0.055	0.044	7.97E-10	0.006	0.005	0.295	0.010	37.747	TRUE	1.91E-09
FEV1	ITPRIP	cg27365978	rs41291846	T	G	0.540	0.025	0.283	4.85E-100	0.006	0.003	0.031	0.109	450.550	TRUE	1.65E-93
FEV1	ITPRIP	cg27365978	rs61861273	G	A	0.413	0.072	0.027	1.23E-08	0.015	0.007	0.036	0.009	32.414	TRUE	4.80E-08
FEV1	JAK1	cg00153395	rs2780889	T	A	-0.176	0.025	0.337	2.13E-12	-0.002	0.003	0.335	0.013	49.335	TRUE	5.84E-12
FEV1	JAK1	cg07453451	rs11208554	C	G	-0.219	0.027	0.237	2.79E-16	0.001	0.003	0.851	0.018	66.912	TRUE	5.53E-16
FEV1	JAK1	cg10873475	rs12142901	C	T	0.552	0.055	0.048	1.14E-23	-0.001	0.005	0.871	0.026	100.524	TRUE	3.47E-23
FEV1	JAK1	cg12075498	rs11208599	T	G	0.223	0.040	0.097	2.21E-08	-0.008	0.004	0.065	0.008	31.288	TRUE	7.31E-08
FEV1	JAK1	cg12075498	rs146551445	A	T	-0.580	0.060	0.038	2.39E-22	0.010	0.006	0.113	0.025	94.498	TRUE	2.47E-21
FEV1	JAK1	cg12075498	rs1887048	G	A	-0.351	0.027	0.233	1.07E-37	-0.003	0.003	0.373	0.043	164.597	TRUE	2.38E-36
FEV1	JAK1	cg12075498	rs1926301	G	A	-0.291	0.038	0.225	3.21E-14	0.003	0.003	0.378	0.015	57.569	TRUE	9.57E-14

FEV1	JAK1	cg12075498	rs2935411	G	T	-0.505	0.029	0.199	7.78E-69	0.002	0.003	0.502	0.077	307.302	TRUE	6.36E-66
FEV1	JAK1	cg12075498	rs2993612	C	T	-0.946	0.033	0.129	8.36E-180	-0.005	0.004	0.152	0.181	817.082	TRUE	8.74E-165
FEV1	JAK1	cg12075498	rs3002681	A	G	-0.431	0.025	0.327	7.94E-68	0.002	0.003	0.390	0.076	302.674	TRUE	7.27E-65
FEV1	JAK1	cg12075498	rs310251	G	A	-0.896	0.022	0.294	<1E-200	-0.001	0.003	0.725	0.314	1690.680	TRUE	<1E-200
FEV1	JAK1	cg12075498	rs61784750	A	T	-0.893	0.085	0.020	4.30E-26	0.006	0.008	0.447	0.029	111.575	TRUE	2.81E-25
FEV1	JAK1	cg12075498	rs72675457	T	C	-0.718	0.047	0.063	5.57E-53	0.005	0.005	0.285	0.060	234.595	TRUE	9.12E-51
FEV1	JAK1	cg13420662	rs17397674	G	A	-0.313	0.043	0.074	1.76E-13	-0.009	0.004	0.048	0.014	54.230	TRUE	1.06E-12
FEV1	JAK1	cg15082498	rs61786114	C	T	0.240	0.042	0.075	1.04E-08	-0.009	0.004	0.044	0.009	32.743	TRUE	3.90E-08
FEV1	JAK1	cg22945413	rs11208575	A	G	-0.247	0.033	0.147	3.54E-14	-0.006	0.003	0.080	0.015	57.379	TRUE	1.95E-13
FEV1	JAK1	cg22945413	rs113661291	G	A	-0.236	0.032	0.154	1.56E-13	-0.004	0.003	0.235	0.015	54.461	TRUE	5.46E-13
FEV1	JAK1	cg22945413	rs149969748	A	G	-0.802	0.103	0.014	7.21E-15	-0.002	0.009	0.861	0.016	60.508	TRUE	1.32E-14
FEV1	JAK1	cg22945413	rs167454	T	C	-0.224	0.028	0.224	1.06E-15	-0.005	0.003	0.076	0.017	64.276	TRUE	6.94E-15
FEV1	JAK1	cg22945413	rs3014983	C	T	-0.167	0.028	0.223	1.59E-09	0.000	0.003	0.896	0.010	36.403	TRUE	2.21E-09
FEV1	JAK1	cg22945413	rs61786113	A	G	-0.783	0.041	0.074	5.24E-80	-0.009	0.004	0.048	0.088	358.569	TRUE	2.49E-75
FEV1	JAK1	cg22945413	rs61786882	A	C	-0.226	0.034	0.126	2.43E-11	-0.004	0.003	0.288	0.012	44.564	TRUE	6.61E-11
FEV1	JAK1	cg25192081	rs310225	A	G	-0.174	0.027	0.229	1.49E-10	-0.004	0.003	0.119	0.011	41.021	TRUE	5.11E-10
FEV1	JAK2	cg02405213	rs10974947	A	G	0.340	0.027	0.242	7.76E-36	0.001	0.003	0.748	0.040	156.090	TRUE	7.35E-35
FEV1	JAK2	cg02405213	rs10975044	C	G	-0.269	0.048	0.068	2.20E-08	-0.001	0.005	0.860	0.008	31.296	TRUE	2.97E-08
FEV1	JAK2	cg02405213	rs117618324	A	G	-0.463	0.069	0.025	1.46E-11	-0.004	0.007	0.577	0.012	45.559	TRUE	2.92E-11
FEV1	JAK2	cg02405213	rs143285975	T	G	0.396	0.058	0.040	1.28E-11	0.002	0.005	0.744	0.012	45.824	TRUE	2.19E-11
FEV1	JAK2	cg02405213	rs1536799	C	T	0.414	0.050	0.054	1.17E-16	-0.001	0.005	0.789	0.018	68.619	TRUE	2.52E-16
FEV1	JAK2	cg02405213	rs16922581	G	A	-1.046	0.117	0.021	3.65E-19	-0.009	0.008	0.252	0.021	80.005	TRUE	1.95E-18
FEV1	JAK2	cg02405213	rs2381194	A	G	-0.554	0.034	0.134	9.24E-59	0.000	0.003	0.904	0.066	261.091	TRUE	7.80E-57
FEV1	JAK2	cg02405213	rs36051895	T	G	-0.893	0.023	0.293	<1E-200	-0.004	0.003	0.123	0.293	1536.147	TRUE	7.98E-293
FEV1	JAK2	cg02405213	rs62543884	C	T	-0.815	0.075	0.047	7.59E-28	-0.007	0.005	0.209	0.031	119.575	TRUE	9.54E-27
FEV1	JAK2	cg02405213	rs7853655	T	C	-0.197	0.024	0.406	6.89E-17	0.001	0.002	0.777	0.018	69.666	TRUE	1.54E-16
FEV1	JAK2	cg02405213	rs78745832	T	C	-0.432	0.040	0.092	1.32E-26	-0.009	0.004	0.018	0.030	113.907	TRUE	4.51E-25
FEV1	JAK2	cg02405213	rs79372822	T	A	-0.751	0.097	0.027	7.83E-15	-0.008	0.006	0.215	0.016	60.345	TRUE	3.14E-14
FEV1	JAK2	cg03390472	rs11515395	G	T	-0.165	0.024	0.414	9.03E-12	-0.001	0.002	0.666	0.012	46.504	TRUE	1.66E-11
FEV1	JAK2	cg03390472	rs117955585	T	C	-0.579	0.078	0.024	9.06E-14	0.000	0.007	0.958	0.015	55.530	TRUE	1.44E-13
FEV1	JAK2	cg03390472	rs12551254	T	C	-0.674	0.027	0.218	4.18E-135	0.002	0.003	0.428	0.142	611.634	TRUE	2.60E-126
FEV1	JAK2	cg03390472	rs144525011	G	C	-0.693	0.094	0.036	1.53E-13	-0.001	0.006	0.878	0.015	54.507	TRUE	2.58E-13
FEV1	JAK2	cg03390472	rs150213183	A	G	-0.679	0.094	0.019	6.78E-13	-0.011	0.009	0.220	0.014	51.578	TRUE	2.33E-12
FEV1	JAK2	cg03390472	rs1887428	G	C	0.227	0.025	0.364	3.26E-20	-0.003	0.002	0.186	0.022	84.778	TRUE	2.22E-19
FEV1	JAK2	cg03390472	rs72701653	G	A	0.284	0.049	0.058	8.53E-09	-0.001	0.005	0.841	0.009	33.133	TRUE	1.19E-08
FEV1	JAK2	cg03508284	rs10974933	G	C	0.349	0.063	0.033	2.73E-08	-0.012	0.006	0.056	0.008	30.877	TRUE	9.35E-08
FEV1	JAK2	cg03508284	rs12555131	G	C	-0.223	0.032	0.163	3.99E-12	-0.002	0.003	0.538	0.013	48.105	TRUE	8.52E-12
FEV1	JAK2	cg03508284	rs150213183	A	G	-0.523	0.095	0.019	3.29E-08	-0.011	0.009	0.220	0.008	30.515	TRUE	7.78E-08
FEV1	JAK2	cg03508284	rs2274472	C	T	0.537	0.024	0.368	2.96E-114	0.002	0.002	0.418	0.122	515.837	TRUE	1.48E-107
FEV1	JAK2	cg03508284	rs72701686	A	G	0.413	0.070	0.050	3.50E-09	0.008	0.006	0.129	0.009	34.864	TRUE	1.06E-08
FEV1	JAK2	cg03508284	rs75574230	A	T	-0.218	0.032	0.153	1.62E-11	-0.005	0.003	0.120	0.012	45.356	TRUE	6.10E-11
FEV1	JAK2	cg03508284	rs7874495	G	A	-0.267	0.026	0.294	8.43E-25	-0.005	0.003	0.056	0.028	105.679	TRUE	1.59E-23

FEV1	JAK2	cg06858172	rs12554699	A	G	0.273	0.030	0.187	8.39E-20	0.003	0.003	0.350	0.022	82.911	TRUE	3.89E-19
FEV1	JAK2	cg07999015	rs112964046	A	T	-0.522	0.067	0.035	5.98E-15	-0.003	0.007	0.630	0.016	60.874	TRUE	1.38E-14
FEV1	JAK2	cg07999015	rs12335546	T	C	-0.651	0.026	0.267	1.84E-139	-0.005	0.003	0.052	0.146	631.650	TRUE	5.32E-129
FEV1	JAK2	cg07999015	rs143285975	T	G	0.468	0.058	0.040	1.16E-15	0.002	0.005	0.744	0.017	64.097	TRUE	2.48E-15
FEV1	JAK2	cg07999015	rs144525011	G	C	0.815	0.094	0.036	3.05E-18	-0.001	0.006	0.878	0.020	75.813	TRUE	6.61E-18
FEV1	JAK2	cg07999015	rs150213183	A	G	0.788	0.094	0.019	6.73E-17	-0.011	0.009	0.220	0.018	69.712	TRUE	3.19E-16
FEV1	JAK2	cg07999015	rs1887429	T	G	0.942	0.022	0.260	<1E-200	0.001	0.003	0.806	0.335	1862.747	TRUE	<1E-200
FEV1	JAK2	cg07999015	rs62543879	C	T	-0.528	0.086	0.037	8.57E-10	0.003	0.006	0.666	0.010	37.605	TRUE	1.43E-09
FEV1	JAK2	cg07999015	rs6476919	C	T	-0.154	0.024	0.409	5.13E-11	0.001	0.002	0.778	0.012	43.103	TRUE	8.37E-11
FEV1	JAK2	cg07999015	rs7026646	G	A	-0.490	0.051	0.053	2.70E-22	-0.001	0.005	0.843	0.025	94.258	TRUE	7.79E-22
FEV1	JAK2	cg07999015	rs7032487	G	T	0.168	0.024	0.406	1.52E-12	-0.002	0.002	0.472	0.013	49.995	TRUE	3.63E-12
FEV1	JAK2	cg07999015	rs72699528	G	C	0.366	0.067	0.032	4.16E-08	0.003	0.006	0.627	0.008	30.057	TRUE	6.55E-08
FEV1	JAK2	cg07999015	rs72699555	G	C	-0.597	0.096	0.029	5.40E-10	-0.008	0.007	0.287	0.010	38.505	TRUE	1.34E-09
FEV1	JAK2	cg07999015	rs7868678	A	G	0.783	0.069	0.032	7.98E-30	0.003	0.007	0.671	0.034	128.607	TRUE	5.04E-29
FEV1	JAK2	cg07999015	rs78745832	T	C	-0.258	0.041	0.092	2.04E-10	-0.009	0.004	0.018	0.011	40.407	TRUE	1.13E-09
FEV1	JAK2	cg13568515	rs10123976	T	A	-1.117	0.019	0.265	<1E-200	-0.005	0.003	0.078	0.473	3314.124	TRUE	<1E-200
FEV1	JAK2	cg13568515	rs10815223	T	C	0.165	0.025	0.338	6.07E-11	0.004	0.003	0.094	0.011	42.776	TRUE	2.36E-10
FEV1	JAK2	cg13568515	rs113786699	T	C	-0.938	0.066	0.036	4.49E-46	-0.003	0.007	0.614	0.052	202.949	TRUE	1.47E-44
FEV1	JAK2	cg13568515	rs117618324	A	G	-0.421	0.068	0.025	7.06E-10	-0.004	0.007	0.577	0.010	37.984	TRUE	1.28E-09
FEV1	JAK2	cg13568515	rs1327497	A	T	0.304	0.024	0.392	8.62E-37	0.004	0.002	0.115	0.042	160.454	TRUE	3.98E-35
FEV1	JAK2	cg13568515	rs1536799	C	T	0.317	0.050	0.054	2.20E-10	-0.001	0.005	0.789	0.011	40.256	TRUE	3.42E-10
FEV1	JAK2	cg13568515	rs16922581	G	A	-1.120	0.116	0.021	6.15E-22	-0.009	0.008	0.252	0.024	92.628	TRUE	4.14E-21
FEV1	JAK2	cg13568515	rs547378966	C	A	0.372	0.030	0.187	7.38E-36	0.003	0.003	0.350	0.041	156.187	TRUE	1.42E-34
FEV1	JAK2	cg13568515	rs62543879	C	T	-0.616	0.085	0.037	5.40E-13	0.003	0.006	0.666	0.014	52.025	TRUE	1.07E-12
FEV1	JAK2	cg13568515	rs7853655	T	C	-0.172	0.024	0.406	2.36E-13	0.001	0.002	0.777	0.014	53.653	TRUE	4.33E-13
FEV1	JAK2	cg13568515	rs78745832	T	C	-0.434	0.040	0.092	5.53E-27	-0.009	0.004	0.018	0.030	115.638	TRUE	1.97E-25
FEV1	JAK2	cg20394284	rs12555131	G	C	0.296	0.032	0.163	2.67E-20	-0.002	0.003	0.538	0.023	85.174	TRUE	9.74E-20
FEV1	JAK2	cg20394284	rs1536799	C	T	0.386	0.050	0.054	1.02E-14	-0.001	0.005	0.789	0.016	59.828	TRUE	1.97E-14
FEV1	JAK2	cg20394284	rs1555477	T	C	0.166	0.024	0.429	1.85E-12	-0.001	0.002	0.572	0.013	49.609	TRUE	3.96E-12
FEV1	JAK2	cg20394284	rs1887425	C	A	-0.310	0.024	0.415	4.08E-39	0.000	0.002	0.898	0.044	171.092	TRUE	4.05E-38
FEV1	JAK2	cg20394284	rs1887428	G	C	0.592	0.024	0.364	7.16E-137	-0.003	0.002	0.186	0.144	619.753	TRUE	2.45E-127
FEV1	JAK2	cg20394284	rs4637905	T	C	0.190	0.029	0.213	3.83E-11	-0.004	0.003	0.161	0.012	43.676	TRUE	1.29E-10
FEV1	JMY	cg05350396	rs10474583	G	A	-0.236	0.027	0.244	1.55E-18	-0.001	0.003	0.764	0.020	77.152	TRUE	3.80E-18
FEV1	JMY	cg05350396	rs149879950	A	G	-2.042	0.075	0.024	3.51E-161	0.006	0.008	0.504	0.165	731.477	TRUE	1.87E-149
FEV1	JMY	cg05350396	rs16876289	C	T	-0.936	0.100	0.013	6.23E-21	-0.018	0.011	0.105	0.023	88.051	TRUE	5.79E-20
FEV1	JMY	cg05350396	rs626105	A	G	-0.184	0.028	0.209	1.13E-10	-0.006	0.003	0.035	0.011	41.560	TRUE	5.43E-10
FEV1	JMY	cg05350396	rs7700970	T	C	-0.161	0.025	0.301	1.60E-10	0.001	0.003	0.800	0.011	40.874	TRUE	2.52E-10
FEV1	JMY	cg05350396	rs8180502	A	G	-0.159	0.025	0.298	4.49E-10	0.011	0.003	1.42E-05	0.010	38.867	TRUE	7.39E-09
FEV1	JMY	cg09228878	rs6889156	T	C	0.151	0.025	0.336	8.17E-10	0.011	0.002	3.42E-06	0.010	37.698	TRUE	1.60E-08
FEV1	JMY	cg24856658	rs12189248	T	C	-0.267	0.024	0.359	3.49E-28	0.012	0.002	1.87E-06	0.032	121.112	TRUE	1.70E-25
FEV1	KDM1A	cg01718365	rs6658785	C	T	0.235	0.030	0.179	9.93E-15	-0.005	0.003	0.107	0.016	59.878	TRUE	5.29E-14
FEV1	KDM1A	cg22683154	rs4620508	T	C	0.140	0.025	0.327	1.99E-08	-0.005	0.003	0.048	0.008	31.486	TRUE	7.07E-08

FEV1	KDM1A	cg23271558	rs2072945	A	C	-0.264	0.032	0.151	1.58E-16	0.010	0.003	0.003	0.018	68.029	TRUE	2.73E-15
FEV1	KDM4A	cg00946598	rs10890266	T	C	-0.226	0.024	0.357	9.06E-21	0.000	0.002	0.880	0.023	87.309	TRUE	2.29E-20
FEV1	KDM4A	cg00946598	rs145623194	T	C	0.307	0.054	0.054	1.51E-08	-0.007	0.005	0.219	0.009	32.025	TRUE	3.68E-08
FEV1	KDM4A	cg00946598	rs61768371	A	G	0.413	0.024	0.368	2.46E-66	0.003	0.002	0.299	0.074	295.832	TRUE	2.50E-63
FEV1	KDM4A	cg05886813	rs112476957	T	C	0.300	0.042	0.090	1.45E-12	-0.001	0.004	0.824	0.013	50.092	TRUE	2.42E-12
FEV1	KDM4A	cg05886813	rs11590627	C	T	-0.570	0.024	0.327	2.10E-123	-0.008	0.003	0.001	0.131	557.875	TRUE	1.61E-113
FEV1	KDM4A	cg05886813	rs12126199	T	C	-0.392	0.066	0.030	2.40E-09	-0.007	0.007	0.277	0.010	35.595	TRUE	5.70E-09
FEV1	KDM4A	cg05886813	rs12132745	A	G	0.452	0.046	0.068	4.56E-23	0.006	0.005	0.239	0.026	97.776	TRUE	3.44E-22
FEV1	KDM4A	cg05886813	rs4660756	T	C	0.262	0.025	0.318	1.80E-25	0.000	0.003	0.984	0.029	108.732	TRUE	5.47E-25
FEV1	KDM4A	cg05886813	rs516921	T	G	0.175	0.030	0.190	4.23E-09	0.000	0.003	0.905	0.009	34.496	TRUE	5.66E-09
FEV1	KDM4A	cg05886813	rs6429645	C	G	-0.259	0.032	0.148	4.74E-16	-0.005	0.003	0.100	0.017	65.867	TRUE	2.90E-15
FEV1	KDM4A	cg05886813	rs72671121	T	A	0.157	0.024	0.412	4.33E-11	0.002	0.002	0.367	0.012	43.433	TRUE	1.06E-10
FEV1	KDM4A	cg05886813	rs78050663	T	A	-0.501	0.047	0.071	6.20E-27	0.002	0.005	0.711	0.030	115.410	TRUE	2.94E-26
FEV1	KDM4A	cg08462360	rs12034875	C	T	-0.190	0.025	0.319	1.10E-14	-0.001	0.003	0.691	0.016	59.680	TRUE	2.35E-14
FEV1	KDM4A	cg08462360	rs4660756	T	C	0.147	0.025	0.318	3.54E-09	0.000	0.003	0.984	0.009	34.844	TRUE	4.57E-09
FEV1	KDM4A	cg19743044	rs11590627	C	T	-0.643	0.024	0.327	4.76E-160	-0.008	0.003	0.001	0.164	726.271	TRUE	1.06E-145
FEV1	KDM4A	cg19743044	rs12126199	T	C	-0.465	0.066	0.030	1.33E-12	-0.007	0.007	0.277	0.013	50.259	TRUE	4.01E-12
FEV1	KDM4A	cg19743044	rs12132745	A	G	0.586	0.046	0.068	5.79E-38	0.006	0.005	0.239	0.043	165.819	TRUE	1.85E-36
FEV1	KDM4A	cg19743044	rs1981080	T	G	0.135	0.024	0.487	1.07E-08	0.001	0.002	0.624	0.009	32.699	TRUE	1.75E-08
FEV1	KDM4A	cg19743044	rs201958677	T	A	0.240	0.024	0.353	1.06E-22	0.000	0.003	0.943	0.025	96.108	TRUE	2.79E-22
FEV1	KDM4A	cg19743044	rs2231284	C	T	0.183	0.033	0.139	3.14E-08	0.001	0.003	0.875	0.008	30.600	TRUE	4.16E-08
FEV1	KDM4A	cg19743044	rs56072551	T	G	0.309	0.042	0.093	2.50E-13	-0.001	0.004	0.761	0.014	53.540	TRUE	4.62E-13
FEV1	KDM4A	cg19743044	rs618369	G	T	0.193	0.035	0.290	3.68E-08	0.002	0.003	0.449	0.008	30.295	TRUE	6.64E-08
FEV1	KDM4A	cg19743044	rs6429645	C	G	-0.264	0.032	0.148	1.04E-16	-0.005	0.003	0.100	0.018	68.864	TRUE	6.73E-16
FEV1	KDM4A	cg19743044	rs78050663	T	A	-0.555	0.047	0.071	8.76E-33	0.002	0.005	0.711	0.037	142.132	TRUE	6.68E-32
FEV1	KDM4A	cg20942219	rs3791033	C	T	-0.216	0.024	0.347	7.79E-19	0.002	0.003	0.350	0.021	78.511	TRUE	3.32E-18
FEV1	KDR	cg01340163	rs11722486	T	G	0.307	0.031	0.188	1.14E-23	-0.018	0.003	3.19E-09	0.026	100.526	TRUE	6.88E-21
FEV1	KDR	cg07098391	rs12498317	A	G	-0.144	0.026	0.298	1.88E-08	0.002	0.003	0.413	0.008	31.601	TRUE	3.60E-08
FEV1	KDR	cg18177533	rs1350542	T	C	0.127	0.023	0.489	4.69E-08	0.010	0.002	4.79E-05	0.008	29.823	TRUE	4.84E-07
FEV1	KDR	cg19420645	rs185919570	T	C	-0.171	0.030	0.174	1.65E-08	-0.011	0.003	8.54E-05	0.009	31.851	TRUE	1.67E-07
FEV1	KDR	cg19420645	rs78590050	C	T	0.495	0.037	0.187	2.80E-40	-0.003	0.003	0.373	0.046	176.417	TRUE	7.92E-39
FEV1	KDR	cg25444386	rs6818203	C	T	0.174	0.031	0.180	2.04E-08	-0.018	0.003	4.48E-09	0.008	31.436	TRUE	5.34E-07
FEV1	KIF1B	cg03517919	rs11121529	G	C	0.510	0.037	0.112	3.69E-42	-0.012	0.004	8.72E-04	0.048	185.023	TRUE	2.81E-39
FEV1	KIF1B	cg03517919	rs11121551	C	T	-0.246	0.024	0.358	3.52E-24	0.006	0.002	0.022	0.027	102.849	TRUE	8.53E-23
FEV1	KIF1B	cg11342332	rs12127553	G	A	0.156	0.024	0.336	1.13E-10	0.006	0.003	0.024	0.011	41.558	TRUE	5.88E-10
FEV1	KIF1B	cg11342332	rs185146752	A	G	0.414	0.068	0.028	1.36E-09	0.018	0.007	0.007	0.010	36.711	TRUE	8.34E-09
FEV1	KIF1B	cg11342332	rs4846204	T	C	-0.239	0.036	0.124	1.95E-11	-0.013	0.004	2.08E-04	0.012	44.994	TRUE	2.79E-10
FEV1	KIF1B	cg11399195	rs11121529	G	C	-0.513	0.037	0.112	8.95E-43	-0.012	0.004	8.72E-04	0.048	187.839	TRUE	7.45E-40
FEV1	KIF1B	cg11399195	rs4240911	C	T	0.257	0.025	0.328	3.66E-25	0.003	0.003	0.216	0.028	107.328	TRUE	3.56E-24
FEV1	KIF1B	cg11712187	rs11121525	T	C	0.232	0.038	0.102	1.00E-09	-0.001	0.004	0.892	0.010	37.303	TRUE	1.40E-09
FEV1	KIF1B	cg11712187	rs1307490	T	C	0.305	0.044	0.080	4.95E-12	0.012	0.004	0.005	0.013	47.680	TRUE	4.46E-11
FEV1	KIF1B	cg11712187	rs568844631	C	T	0.878	0.067	0.028	7.08E-39	0.017	0.007	0.014	0.044	169.994	TRUE	1.23E-36

FEV1	KIF1B	cg11802797	rs11121529	G	C	0.336	0.038	0.112	5.13E-19	-0.012	0.004	8.72E-04	0.021	79.335	TRUE	1.62E-17
FEV1	KIF1B	cg11802797	rs35859381	A	G	-0.168	0.024	0.356	4.44E-12	0.005	0.002	0.031	0.013	47.896	TRUE	2.63E-11
FEV1	KIF1B	cg15208524	rs35111552	G	C	0.289	0.025	0.290	2.30E-30	0.002	0.003	0.455	0.034	131.078	TRUE	2.10E-29
FEV1	KIF1B	cg19092837	rs11121529	G	C	-0.334	0.037	0.112	2.22E-19	-0.012	0.004	8.72E-04	0.021	80.989	TRUE	7.37E-18
FEV1	KIF1B	cg19092837	rs115297149	T	G	0.492	0.066	0.028	8.27E-14	0.018	0.007	0.007	0.015	55.711	TRUE	8.60E-13
FEV1	KIF1B	cg19092837	rs12127553	G	A	0.145	0.024	0.336	1.80E-09	0.006	0.003	0.024	0.010	36.162	TRUE	8.17E-09
FEV1	KIF1B	cg23716690	rs11121529	G	C	-0.371	0.038	0.112	8.38E-23	-0.012	0.004	8.72E-04	0.025	96.572	TRUE	4.38E-21
FEV1	KIF1B	cg23716690	rs12127553	G	A	0.473	0.024	0.336	5.51E-87	0.006	0.003	0.024	0.096	390.600	TRUE	1.45E-81
FEV1	KIF1B	cg23716690	rs2086650	T	C	-0.136	0.024	0.459	8.20E-09	-0.001	0.002	0.770	0.009	33.209	TRUE	1.21E-08
FEV1	KIF1B	cg23716690	rs61782927	G	A	0.317	0.056	0.040	1.42E-08	0.010	0.006	0.102	0.009	32.147	TRUE	4.26E-08
FEV1	KIF1B	cg26116724	rs113331329	G	C	-0.464	0.073	0.030	2.22E-10	-0.019	0.007	0.007	0.011	40.244	TRUE	1.50E-09
FEV1	KIF1B	cg26247646	rs11121529	G	C	-0.549	0.037	0.112	1.06E-48	-0.012	0.004	8.72E-04	0.055	214.976	TRUE	2.17E-45
FEV1	KIF1B	cg26247646	rs4240911	C	T	0.289	0.025	0.328	1.95E-31	0.003	0.003	0.216	0.035	135.974	TRUE	3.44E-30
FEV1	KIF1B	cg26247646	rs7536149	T	C	-0.145	0.026	0.274	1.41E-08	-0.003	0.003	0.199	0.009	32.152	TRUE	3.51E-08
FEV1	KIF25	cg01134139	rs2636354	C	T	-0.270	0.027	0.343	3.62E-24	0.005	0.003	0.035	0.027	102.789	TRUE	7.45E-23
FEV1	KIF25	cg01134139	rs4708627	G	A	0.466	0.036	0.163	2.77E-39	0.005	0.003	0.170	0.044	171.863	TRUE	1.37E-37
FEV1	KIF25	cg01878651	rs117005976	G	C	0.435	0.042	0.098	1.23E-25	-0.001	0.004	0.836	0.029	109.486	TRUE	4.47E-25
FEV1	KIF25	cg01878651	rs117460701	T	C	-0.583	0.103	0.033	1.64E-08	0.003	0.006	0.531	0.009	31.859	TRUE	2.85E-08
FEV1	KIF25	cg01878651	rs11964963	C	T	0.248	0.029	0.279	9.20E-18	0.001	0.003	0.726	0.020	73.638	TRUE	2.26E-17
FEV1	KIF25	cg01878651	rs227235	T	C	-0.674	0.025	0.325	2.66E-155	0.005	0.003	0.051	0.160	704.450	TRUE	6.26E-143
FEV1	KIF25	cg01878651	rs227239	T	C	0.275	0.035	0.162	4.18E-15	0.006	0.003	0.081	0.016	61.581	TRUE	2.47E-14
FEV1	KIF25	cg01878651	rs3734887	T	C	0.245	0.030	0.206	7.24E-16	-0.008	0.003	0.007	0.017	65.031	TRUE	9.29E-15
FEV1	KIF25	cg01878651	rs649023	T	C	-0.204	0.027	0.373	2.75E-14	0.003	0.002	0.249	0.015	57.875	TRUE	1.00E-13
FEV1	KIF25	cg03119088	rs6455477	A	T	-0.214	0.029	0.279	7.08E-14	0.002	0.003	0.417	0.015	56.016	TRUE	1.95E-13
FEV1	KIF25	cg03662475	rs2636354	C	T	-0.162	0.027	0.343	1.35E-09	0.005	0.003	0.035	0.010	36.727	TRUE	5.93E-09
FEV1	KIF25	cg03873264	rs116937646	C	T	-0.329	0.052	0.062	2.96E-10	-0.007	0.005	0.136	0.011	39.676	TRUE	9.75E-10
FEV1	KIF25	cg03873264	rs2076664	A	G	0.203	0.035	0.168	5.04E-09	-0.001	0.003	0.766	0.009	34.154	TRUE	7.57E-09
FEV1	KIF25	cg03873264	rs55996044	A	C	0.163	0.026	0.359	5.27E-10	-0.007	0.002	0.006	0.010	38.553	TRUE	3.68E-09
FEV1	KIF25	cg03873264	rs57847661	T	A	-0.439	0.043	0.099	5.48E-25	-0.008	0.004	0.044	0.028	106.529	TRUE	1.13E-23
FEV1	KIF25	cg03873264	rs62426260	G	A	-0.227	0.028	0.289	3.10E-16	-0.006	0.003	0.019	0.018	66.701	TRUE	3.25E-15
FEV1	KIF25	cg03873264	rs73040830	C	T	-1.791	0.070	0.031	1.74E-144	-0.008	0.007	0.244	0.150	654.748	TRUE	3.06E-134
FEV1	KIF25	cg03873264	rs7741791	A	C	-0.305	0.033	0.193	7.08E-21	0.002	0.003	0.558	0.023	87.796	TRUE	2.66E-20
FEV1	KIF25	cg03873264	rs9455926	T	C	-0.193	0.029	0.279	2.44E-11	0.001	0.003	0.721	0.012	44.554	TRUE	4.20E-11
FEV1	KIF25	cg04680494	rs4708629	C	T	-0.157	0.026	0.402	1.51E-09	-0.007	0.002	0.008	0.010	36.496	TRUE	9.27E-09
FEV1	KIF25	cg05282968	rs6922131	A	G	0.255	0.029	0.260	1.37E-18	0.002	0.003	0.517	0.020	77.392	TRUE	4.56E-18
FEV1	KIF25	cg05392263	rs112582432	G	C	0.413	0.036	0.153	5.79E-30	0.000	0.003	0.894	0.034	129.243	TRUE	2.64E-29
FEV1	KIF25	cg05392263	rs12663760	T	C	-0.303	0.044	0.076	7.28E-12	-0.007	0.004	0.093	0.013	46.925	TRUE	3.05E-11
FEV1	KIF25	cg05392263	rs2636354	C	T	-0.154	0.027	0.343	8.67E-09	0.005	0.003	0.035	0.009	33.101	TRUE	3.49E-08
FEV1	KIF25	cg08476511	rs10455760	T	G	0.178	0.029	0.275	7.19E-10	0.001	0.003	0.858	0.010	37.947	TRUE	1.04E-09
FEV1	KIF25	cg08476511	rs227235	T	C	-0.422	0.026	0.325	1.22E-57	0.005	0.003	0.051	0.065	255.957	TRUE	1.42E-54
FEV1	KIF25	cg08476511	rs2516795	G	T	0.180	0.030	0.215	2.23E-09	-0.007	0.003	0.023	0.010	35.744	TRUE	1.03E-08
FEV1	KIF25	cg08476511	rs4708627	G	A	0.838	0.034	0.163	6.02E-131	0.005	0.003	0.170	0.138	592.528	TRUE	5.39E-122

FEV1	KIF25	cg08476511	rs6900844	A	G	0.354	0.030	0.243	6.91E-33	0.000	0.003	0.980	0.037	142.601	TRUE	3.60E-32
FEV1	KIF25	cg08476511	rs739322	A	G	0.462	0.043	0.081	1.78E-26	-0.009	0.004	0.036	0.030	113.321	TRUE	4.60E-25
FEV1	KIF25	cg08476511	rs9455935	T	C	-0.235	0.029	0.260	8.41E-16	0.002	0.003	0.382	0.017	64.736	TRUE	2.80E-15
FEV1	KIF25	cg10146514	rs2636362	G	T	-0.225	0.026	0.409	2.80E-18	0.007	0.002	0.005	0.020	75.981	TRUE	5.52E-17
FEV1	KIF25	cg12003941	rs2516795	G	T	0.175	0.030	0.215	6.18E-09	-0.007	0.003	0.023	0.009	33.760	TRUE	2.70E-08
FEV1	KIF25	cg12003941	rs2636362	G	T	-0.226	0.026	0.409	1.75E-18	0.007	0.002	0.005	0.020	76.907	TRUE	3.54E-17
FEV1	KIF25	cg12003941	rs4708627	G	A	0.319	0.036	0.163	5.89E-19	0.005	0.003	0.170	0.021	79.061	TRUE	3.83E-18
FEV1	KIF25	cg12003941	rs78769974	T	C	-0.403	0.062	0.047	1.03E-10	-0.002	0.005	0.708	0.011	41.746	TRUE	1.74E-10
FEV1	KIF25	cg12003941	rs9295037	T	C	0.613	0.044	0.080	6.32E-45	-0.009	0.004	0.041	0.051	197.688	TRUE	1.41E-42
FEV1	KIF25	cg13314057	rs57938508	G	A	0.208	0.029	0.260	1.28E-12	0.002	0.003	0.438	0.013	50.339	TRUE	3.09E-12
FEV1	KIF25	cg13770417	rs2843005	T	C	0.154	0.028	0.281	4.24E-08	-0.001	0.003	0.841	0.008	30.021	TRUE	5.71E-08
FEV1	KIF25	cg13770417	rs41266301	C	T	-1.238	0.039	0.100	2.88E-222	-0.001	0.004	0.848	0.215	1012.308	TRUE	2.10E-202
FEV1	KIF25	cg13770417	rs4708629	C	T	0.177	0.026	0.402	9.79E-12	-0.007	0.002	0.008	0.012	46.344	TRUE	7.91E-11
FEV1	KIF25	cg13770417	rs55996044	A	C	0.253	0.026	0.359	3.43E-22	-0.007	0.002	0.006	0.025	93.784	TRUE	1.09E-20
FEV1	KIF25	cg13770417	rs9455928	A	T	-0.180	0.029	0.279	5.19E-10	0.001	0.003	0.674	0.010	38.584	TRUE	8.65E-10
FEV1	KIF25	cg14316629	rs2516811	A	G	-0.291	0.031	0.226	1.71E-21	-0.001	0.003	0.782	0.024	90.611	TRUE	5.04E-21
FEV1	KIF25	cg14316629	rs2843005	T	C	-0.197	0.028	0.281	2.28E-12	-0.001	0.003	0.841	0.013	49.201	TRUE	3.72E-12
FEV1	KIF25	cg14316629	rs4708627	G	A	-0.554	0.035	0.163	2.95E-55	0.005	0.003	0.170	0.062	245.028	TRUE	1.08E-52
FEV1	KIF25	cg14316629	rs73042810	C	T	-0.485	0.062	0.049	3.17E-15	-0.003	0.005	0.532	0.017	62.124	TRUE	8.32E-15
FEV1	KIF25	cg14316629	rs9295037	T	C	0.760	0.043	0.080	2.43E-69	-0.009	0.004	0.041	0.077	309.623	TRUE	2.04E-65
FEV1	KIF25	cg15371806	rs227239	T	C	0.767	0.034	0.162	5.94E-114	0.006	0.003	0.081	0.122	514.448	TRUE	1.83E-106
FEV1	KIF25	cg15371806	rs57161854	T	C	0.601	0.096	0.021	4.17E-10	0.005	0.008	0.562	0.010	39.010	TRUE	7.78E-10
FEV1	KIF25	cg15371806	rs9346641	A	T	-0.273	0.029	0.241	5.17E-21	-0.010	0.003	3.27E-04	0.023	88.419	TRUE	2.76E-19
FEV1	KIF25	cg15371806	rs9455933	T	C	-0.154	0.026	0.444	2.21E-09	-0.007	0.002	0.006	0.010	35.757	TRUE	1.33E-08
FEV1	KIF25	cg16038269	rs227238	C	G	-0.175	0.027	0.321	8.45E-11	0.005	0.003	0.054	0.011	42.129	TRUE	3.75E-10
FEV1	KIF25	cg16320173	rs9364390	T	G	-0.250	0.045	0.079	2.54E-08	-0.008	0.004	0.068	0.008	31.017	TRUE	8.27E-08
FEV1	KIF25	cg16912129	rs3823455	G	A	-0.371	0.043	0.099	2.63E-18	-0.008	0.004	0.042	0.020	76.109	TRUE	2.75E-17
FEV1	KIF25	cg16912129	rs62426260	G	A	-0.173	0.028	0.289	5.99E-10	-0.006	0.003	0.019	0.010	38.303	TRUE	3.11E-09
FEV1	KIF25	cg16912129	rs6924345	C	G	-0.193	0.032	0.203	2.52E-09	0.000	0.003	0.969	0.010	35.505	TRUE	3.26E-09
FEV1	KIF25	cg16912129	rs73040836	T	G	-1.452	0.072	0.030	2.74E-90	-0.008	0.007	0.234	0.099	405.765	TRUE	2.08E-85
FEV1	KIF25	cg16912129	rs7741791	A	C	-0.221	0.033	0.193	1.48E-11	0.002	0.003	0.558	0.012	45.541	TRUE	3.02E-11
FEV1	KIF25	cg18009322	rs227239	T	C	0.374	0.035	0.162	9.19E-27	0.006	0.003	0.081	0.030	114.629	TRUE	1.69E-25
FEV1	KIF25	cg18009322	rs2516791	T	C	-0.155	0.026	0.434	1.59E-09	0.004	0.002	0.064	0.010	36.402	TRUE	5.90E-09
FEV1	KIF25	cg18319852	rs10945461	C	T	-0.224	0.027	0.294	3.31E-16	0.005	0.003	0.054	0.018	66.575	TRUE	2.59E-15
FEV1	KIF25	cg18319852	rs9295037	T	C	0.669	0.043	0.080	1.38E-53	-0.009	0.004	0.041	0.060	237.371	TRUE	1.01E-50
FEV1	KIF25	cg21477075	rs3778670	T	C	0.450	0.036	0.153	2.83E-35	0.001	0.003	0.883	0.040	153.516	TRUE	2.06E-34
FEV1	KIF25	cg21477075	rs6455469	C	T	0.230	0.034	0.163	2.27E-11	-0.010	0.003	0.003	0.012	44.695	TRUE	2.06E-10
FEV1	KIF25	cg21477075	rs739323	T	G	0.466	0.064	0.043	3.61E-13	0.001	0.006	0.842	0.014	52.818	TRUE	6.14E-13
FEV1	KIF25	cg21477075	rs78484265	C	A	0.210	0.038	0.121	3.42E-08	-0.001	0.004	0.756	0.008	30.434	TRUE	4.93E-08
FEV1	KIF25	cg21477075	rs9455911	G	C	-0.218	0.027	0.352	5.42E-16	0.001	0.003	0.651	0.017	65.604	TRUE	1.29E-15
FEV1	KIF25	cg21477075	rs957382	T	C	-0.477	0.026	0.323	2.83E-73	0.005	0.003	0.040	0.081	327.670	TRUE	4.57E-69
FEV1	KIF25	cg21906947	rs4708628	C	T	-0.198	0.027	0.294	5.23E-13	0.005	0.003	0.055	0.014	52.088	TRUE	2.98E-12

FEV1	KIF25	cg23823000	rs140772139	A	G	-0.218	0.038	0.126	7.57E-09	-0.009	0.004	0.013	0.009	33.365	TRUE	3.74E-08
FEV1	KIF25	cg23823000	rs2516811	A	G	-0.445	0.030	0.226	6.03E-49	-0.001	0.003	0.782	0.055	216.104	TRUE	2.02E-47
FEV1	KIF25	cg23823000	rs4708627	G	A	-0.970	0.034	0.163	1.32E-181	0.005	0.003	0.170	0.182	825.369	TRUE	2.31E-166
FEV1	KIF25	cg23823000	rs4708628	C	T	0.573	0.027	0.294	5.05E-103	0.005	0.003	0.055	0.112	464.244	TRUE	2.22E-96
FEV1	KIF25	cg23823000	rs6900844	A	G	-0.258	0.030	0.243	4.50E-18	0.000	0.003	0.980	0.020	75.050	TRUE	8.70E-18
FEV1	KIF25	cg23823000	rs73028311	T	C	-0.608	0.108	0.030	2.02E-08	-0.008	0.007	0.267	0.008	31.455	TRUE	4.57E-08
FEV1	KIF25	cg23823000	rs73042809	C	A	-0.437	0.059	0.054	8.17E-14	-0.002	0.005	0.624	0.015	55.735	TRUE	1.77E-13
FEV1	KIF25	cg24246628	rs10455760	T	G	0.193	0.029	0.275	2.45E-11	0.001	0.003	0.858	0.012	44.551	TRUE	3.79E-11
FEV1	KIF25	cg24246628	rs10945461	C	T	-0.399	0.027	0.294	4.25E-49	0.005	0.003	0.054	0.055	216.804	TRUE	1.47E-46
FEV1	KIF25	cg24246628	rs2516795	G	T	0.197	0.030	0.215	6.38E-11	-0.007	0.003	0.023	0.011	42.677	TRUE	3.50E-10
FEV1	KIF25	cg24246628	rs2516811	A	G	0.257	0.031	0.226	4.94E-17	-0.001	0.003	0.782	0.019	70.321	TRUE	1.11E-16
FEV1	KIF25	cg24246628	rs4708627	G	A	0.825	0.034	0.163	7.54E-127	0.005	0.003	0.170	0.134	573.699	TRUE	2.45E-118
FEV1	KIF25	cg24246628	rs58330333	C	T	0.528	0.043	0.084	1.42E-34	-0.009	0.004	0.026	0.039	150.321	TRUE	1.06E-32
FEV1	KIF25	cg25945504	rs6455477	A	T	-0.242	0.029	0.279	2.33E-17	0.002	0.003	0.417	0.019	71.807	TRUE	8.16E-17
FEV1	KIF25	cg25945504	rs73260879	G	A	-1.974	0.120	0.011	6.78E-61	0.003	0.011	0.769	0.068	270.879	TRUE	9.85E-59
FEV1	KIF25	cg25945504	rs739322	A	G	0.344	0.044	0.081	2.81E-15	-0.009	0.004	0.036	0.017	62.363	TRUE	2.22E-14
FEV1	KIF25	cg27083466	rs73040836	T	G	-0.617	0.074	0.030	7.96E-17	-0.008	0.007	0.234	0.018	69.382	TRUE	3.62E-16
FEV1	KIT	cg01819568	rs3819385	A	G	0.408	0.057	0.049	8.35E-13	-0.004	0.006	0.456	0.014	51.169	TRUE	2.03E-12
FEV1	KIT	cg06483432	rs12643659	G	T	-0.495	0.051	0.057	1.86E-22	0.002	0.005	0.628	0.025	94.998	TRUE	7.00E-22
FEV1	KIT	cg06483432	rs3819387	G	A	0.243	0.024	0.386	5.66E-24	0.007	0.002	0.002	0.027	101.906	TRUE	2.83E-22
FEV1	KIT	cg17854066	rs6855603	G	A	-0.200	0.023	0.486	1.35E-17	-0.001	0.002	0.780	0.019	72.880	TRUE	3.18E-17
FEV1	KIT	cg18836493	rs981959	G	T	0.367	0.024	0.433	6.13E-55	-0.006	0.002	0.017	0.062	243.570	TRUE	8.29E-52
FEV1	KIT	cg19041419	rs7684000	T	A	-0.175	0.024	0.407	1.69E-13	0.005	0.002	0.027	0.014	54.311	TRUE	1.20E-12
FEV1	LAPTM5	cg08463932	rs11801629	G	C	0.473	0.025	0.291	1.69E-78	-0.003	0.003	0.198	0.087	351.642	TRUE	1.78E-74
FEV1	LAPTM5	cg10001720	rs10737354	T	G	0.368	0.023	0.462	4.74E-57	-0.003	0.002	0.226	0.064	253.252	TRUE	1.67E-54
FEV1	LAPTM5	cg10001720	rs10753237	A	G	-0.298	0.045	0.158	2.20E-11	-0.010	0.003	0.003	0.012	44.760	TRUE	2.00E-10
FEV1	LAPTM5	cg10001720	rs10914199	T	C	0.473	0.030	0.186	2.70E-57	0.008	0.003	0.012	0.064	254.369	TRUE	6.68E-54
FEV1	LAPTM5	cg10001720	rs11584510	T	G	-0.272	0.042	0.080	9.86E-11	-0.001	0.004	0.743	0.011	41.826	TRUE	1.63E-10
FEV1	LAPTM5	cg10001720	rs1188348	C	T	0.844	0.022	0.325	<1E-200	-0.006	0.003	0.018	0.294	1538.550	TRUE	7.29E-292
FEV1	LAPTM5	cg10001720	rs12130925	G	A	-0.395	0.039	0.099	1.10E-23	0.006	0.004	0.102	0.026	100.586	TRUE	1.32E-22
FEV1	LAPTM5	cg10001720	rs2506968	T	C	-0.147	0.025	0.335	2.32E-09	0.001	0.003	0.791	0.010	35.663	TRUE	3.48E-09
FEV1	LAPTM5	cg10001720	rs4949310	T	C	0.217	0.025	0.319	1.91E-18	-0.001	0.003	0.607	0.020	76.740	TRUE	5.67E-18
FEV1	LAPTM5	cg10001720	rs72657208	G	C	-0.546	0.046	0.077	2.71E-32	-0.001	0.004	0.754	0.036	139.888	TRUE	1.82E-31
FEV1	LAPTM5	cg10001720	rs76756206	G	C	-0.587	0.079	0.017	1.01E-13	-0.020	0.007	0.004	0.015	55.310	TRUE	1.17E-12
FEV1	LAPTM5	cg10709350	rs1149050	G	A	-0.307	0.028	0.234	7.27E-28	-0.005	0.003	0.090	0.031	119.658	TRUE	1.44E-26
FEV1	LAPTM5	cg10709350	rs1149053	T	C	-0.273	0.031	0.164	7.52E-19	0.002	0.003	0.583	0.021	78.579	TRUE	2.35E-18
FEV1	LAPTM5	cg10709350	rs1391381	C	T	-0.149	0.027	0.250	3.16E-08	-0.001	0.003	0.619	0.008	30.593	TRUE	5.00E-08
FEV1	LAPTM5	cg10709350	rs1882023	T	C	-0.222	0.025	0.291	1.31E-18	0.003	0.003	0.210	0.021	77.487	TRUE	7.35E-18
FEV1	LAPTM5	cg10709350	rs2377485	A	G	0.253	0.030	0.184	2.63E-17	-0.006	0.003	0.050	0.019	71.569	TRUE	2.25E-16
FEV1	LAPTM5	cg10709350	rs3795438	T	C	0.927	0.022	0.268	<1E-200	0.003	0.003	0.331	0.326	1786.161	TRUE	<1E-200
FEV1	LAPTM5	cg12654790	rs11801629	G	C	0.493	0.025	0.291	1.14E-85	-0.003	0.003	0.198	0.094	384.563	TRUE	4.24E-81
FEV1	LAPTM5	cg12654790	rs6695981	C	T	0.172	0.028	0.213	7.17E-10	-0.002	0.003	0.590	0.010	37.954	TRUE	1.28E-09

FEV1	LAPTM5	cg15459165	rs12744988	T	C	0.308	0.026	0.288	3.16E-33	-0.003	0.003	0.203	0.038	144.153	TRUE	6.90E-32
FEV1	LAPTM5	cg15459165	rs35861413	A	C	-0.177	0.030	0.187	3.60E-09	0.008	0.003	0.010	0.009	34.808	TRUE	1.94E-08
FEV1	LAPTM5	cg17418085	rs34854980	A	T	-0.206	0.030	0.184	4.53E-12	0.007	0.003	0.025	0.013	47.855	TRUE	2.86E-11
FEV1	LAPTM5	cg18221336	rs1050663	T	C	-0.387	0.023	0.490	4.82E-65	0.003	0.002	0.189	0.073	289.904	TRUE	6.03E-62
FEV1	LAPTM5	cg18221336	rs56286814	T	G	0.154	0.027	0.248	1.06E-08	0.005	0.003	0.099	0.009	32.712	TRUE	3.30E-08
FEV1	LAPTM5	cg18411043	rs1050663	T	C	-0.166	0.023	0.490	1.39E-12	0.003	0.002	0.189	0.013	50.173	TRUE	4.83E-12
FEV1	LAPTM5	cg18411043	rs35861413	A	C	-0.219	0.030	0.187	2.45E-13	0.008	0.003	0.010	0.014	53.577	TRUE	2.19E-12
FEV1	LAPTM5	cg22034203	rs10753237	A	G	-0.283	0.045	0.158	2.19E-10	-0.010	0.003	0.003	0.011	40.270	TRUE	1.74E-09
FEV1	LAPTM5	cg22034203	rs112880254	A	G	-0.350	0.037	0.110	4.30E-21	0.009	0.003	0.010	0.023	88.782	TRUE	9.38E-20
FEV1	LAPTM5	cg22034203	rs11584510	T	G	-0.270	0.042	0.080	1.41E-10	-0.001	0.004	0.743	0.011	41.134	TRUE	2.30E-10
FEV1	LAPTM5	cg22034203	rs12403217	G	A	0.500	0.081	0.023	5.66E-10	0.002	0.008	0.788	0.010	38.415	TRUE	8.64E-10
FEV1	LAPTM5	cg22034203	rs1746056	T	C	0.791	0.021	0.401	<1E-200	-0.007	0.003	0.005	0.282	1451.701	TRUE	1.49E-276
FEV1	LAPTM5	cg22034203	rs2273979	T	C	0.642	0.029	0.184	9.92E-108	0.007	0.003	0.023	0.116	485.863	TRUE	2.28E-100
FEV1	LAPTM5	cg22034203	rs4310484	A	G	-0.190	0.033	0.136	1.28E-08	0.005	0.003	0.159	0.009	32.348	TRUE	3.39E-08
FEV1	LAPTM5	cg22034203	rs76756206	G	C	-0.561	0.079	0.017	1.26E-12	-0.020	0.007	0.004	0.013	50.365	TRUE	1.26E-11
FEV1	LAPTM5	cg24459792	rs12137058	G	T	-0.241	0.029	0.192	1.24E-16	0.007	0.003	0.019	0.018	68.502	TRUE	1.36E-15
FEV1	LARP1	cg06062998	rs12153047	T	C	0.873	0.090	0.025	2.43E-22	-0.005	0.008	0.577	0.025	94.463	TRUE	9.75E-22
FEV1	LARP1	cg06062998	rs1421814	C	G	0.857	0.048	0.071	5.56E-72	0.004	0.005	0.400	0.080	321.736	TRUE	9.74E-69
FEV1	LARP1	cg06062998	rs4348271	A	G	0.191	0.034	0.146	2.77E-08	-0.003	0.003	0.360	0.008	30.849	TRUE	5.62E-08
FEV1	LARP1	cg06912665	rs3867429	T	C	0.241	0.023	0.494	6.08E-26	-0.004	0.002	0.122	0.029	110.887	TRUE	8.75E-25
FEV1	LARP1	cg16835415	rs12153047	T	C	0.727	0.090	0.025	7.33E-16	-0.005	0.008	0.577	0.017	65.007	TRUE	1.89E-15
FEV1	LARP1	cg16835415	rs7709899	A	G	0.879	0.047	0.071	1.38E-79	0.004	0.005	0.397	0.088	356.642	TRUE	8.28E-76
FEV1	LARP1	cg23944572	rs10039709	G	A	0.316	0.026	0.275	1.19E-33	0.007	0.003	0.009	0.038	146.093	TRUE	1.25E-31
FEV1	LARP1	cg23944572	rs34514305	C	T	0.153	0.024	0.433	7.62E-11	-0.001	0.002	0.571	0.011	42.331	TRUE	1.48E-10
FEV1	LEP	cg00666422	rs12535708	A	C	0.189	0.024	0.388	4.88E-15	0.005	0.002	0.051	0.016	61.274	TRUE	3.40E-14
FEV1	LEP	cg00840332	rs12535708	A	C	0.206	0.024	0.388	3.33E-17	0.005	0.002	0.051	0.019	71.099	TRUE	2.88E-16
FEV1	LEP	cg19594666	rs7811892	T	C	-0.144	0.023	0.442	9.79E-10	-0.001	0.002	0.741	0.010	37.347	TRUE	1.54E-09
FEV1	LEP	cg23753947	rs11768580	G	A	0.499	0.077	0.018	8.96E-11	-0.013	0.010	0.185	0.011	42.014	TRUE	2.75E-10
FEV1	LEP	cg25435800	rs3828942	A	G	-0.159	0.024	0.449	1.80E-11	-0.009	0.002	1.43E-04	0.012	45.158	TRUE	2.69E-10
FEV1	LEP	cg26814075	rs12535708	A	C	0.136	0.025	0.388	2.99E-08	0.005	0.002	0.051	0.008	30.701	TRUE	1.04E-07
FEV1	LGALS8	cg01030476	rs10925181	G	A	0.249	0.033	0.143	6.74E-14	0.006	0.003	0.062	0.015	56.113	TRUE	3.96E-13
FEV1	LGALS8	cg01030476	rs12135604	C	A	0.571	0.025	0.293	9.19E-112	0.005	0.003	0.058	0.120	504.390	TRUE	2.39E-104
FEV1	LGALS8	cg01030476	rs2435261	T	C	0.252	0.040	0.093	3.60E-10	-0.004	0.004	0.357	0.011	39.295	TRUE	8.28E-10
FEV1	LGALS8	cg01030476	rs61135021	C	G	0.203	0.027	0.257	2.42E-14	0.006	0.003	0.027	0.015	58.128	TRUE	1.85E-13
FEV1	LGALS8	cg01030476	rs707217	G	A	0.142	0.025	0.327	1.23E-08	0.005	0.003	0.079	0.009	32.423	TRUE	4.10E-08
FEV1	LGALS8	cg01030476	rs76913714	C	G	0.509	0.075	0.026	1.37E-11	0.017	0.007	0.019	0.012	45.680	TRUE	8.55E-11
FEV1	LGALS8	cg01809927	rs10802552	T	C	0.439	0.042	0.076	2.21E-25	0.000	0.005	0.933	0.028	108.333	TRUE	6.99E-25
FEV1	LGALS8	cg01809927	rs10925158	A	G	0.310	0.053	0.101	4.42E-09	0.002	0.004	0.554	0.009	34.411	TRUE	7.79E-09
FEV1	LGALS8	cg01809927	rs114507560	A	G	0.451	0.066	0.064	6.07E-12	0.007	0.005	0.198	0.013	47.281	TRUE	2.02E-11
FEV1	LGALS8	cg01809927	rs12088366	A	C	0.457	0.043	0.079	6.38E-26	0.005	0.005	0.248	0.029	110.790	TRUE	6.09E-25
FEV1	LGALS8	cg01809927	rs145576998	A	C	-0.454	0.063	0.065	6.96E-13	-0.006	0.005	0.179	0.014	51.527	TRUE	2.57E-12
FEV1	LGALS8	cg01809927	rs2758993	A	G	0.839	0.021	0.320	<1E-200	0.006	0.003	0.024	0.297	1559.259	TRUE	1.27E-295

FEV1	LGALS8	cg01809927	rs4659707	G	A	0.352	0.024	0.387	1.74E-50	0.007	0.002	0.003	0.057	223.164	TRUE	2.92E-47
FEV1	LGALS8	cg01809927	rs594911	C	G	0.391	0.045	0.073	1.87E-18	0.007	0.005	0.109	0.020	76.781	TRUE	1.36E-17
FEV1	LGALS8	cg01809927	rs707213	A	G	0.581	0.072	0.030	7.60E-16	0.012	0.007	0.109	0.017	64.937	TRUE	4.41E-15
FEV1	LGALS8	cg03082060	rs10925155	A	T	0.333	0.026	0.283	2.92E-37	0.004	0.003	0.133	0.042	162.604	TRUE	1.29E-35
FEV1	LGALS8	cg03082060	rs113243866	A	G	-0.333	0.041	0.077	5.94E-16	-0.005	0.004	0.218	0.017	65.421	TRUE	2.59E-15
FEV1	LGALS8	cg03989567	rs10925158	A	G	0.831	0.052	0.101	4.53E-57	0.002	0.004	0.554	0.064	253.340	TRUE	6.27E-55
FEV1	LGALS8	cg03989567	rs653737	C	T	0.276	0.031	0.172	1.03E-18	0.007	0.003	0.024	0.021	77.968	TRUE	1.36E-17
FEV1	LGALS8	cg05338187	rs10925181	G	A	0.261	0.033	0.143	4.21E-15	0.006	0.003	0.062	0.016	61.568	TRUE	2.78E-14
FEV1	LGALS8	cg05338187	rs12127905	G	A	0.221	0.039	0.099	1.27E-08	-0.002	0.004	0.662	0.009	32.367	TRUE	2.00E-08
FEV1	LGALS8	cg05338187	rs12135604	C	A	0.603	0.025	0.293	1.47E-125	0.005	0.003	0.058	0.133	567.769	TRUE	1.00E-116
FEV1	LGALS8	cg05338187	rs12136869	A	G	0.355	0.064	0.070	2.62E-08	-0.003	0.005	0.545	0.008	30.955	TRUE	4.46E-08
FEV1	LGALS8	cg05338187	rs61135021	C	G	0.222	0.027	0.257	6.99E-17	0.006	0.003	0.027	0.018	69.637	TRUE	7.00E-16
FEV1	LGALS8	cg05338187	rs707217	G	A	0.142	0.025	0.327	1.29E-08	0.005	0.003	0.079	0.009	32.335	TRUE	4.28E-08
FEV1	LGALS8	cg05338187	rs76913714	C	G	0.547	0.075	0.026	3.76E-13	0.017	0.007	0.019	0.014	52.738	TRUE	2.78E-12
FEV1	LGALS8	cg06118122	rs2758168	C	T	-0.182	0.026	0.284	2.53E-12	0.006	0.003	0.019	0.013	48.997	TRUE	1.78E-11
FEV1	LGALS8	cg06118122	rs74363289	T	C	0.365	0.057	0.043	1.68E-10	-0.010	0.006	0.093	0.011	40.787	TRUE	6.29E-10
FEV1	LGALS8	cg07913153	rs12404538	C	T	0.233	0.026	0.285	2.20E-19	0.004	0.003	0.137	0.021	81.009	TRUE	1.61E-18
FEV1	LGALS8	cg08137948	rs10754578	A	G	0.363	0.051	0.048	7.33E-13	-0.006	0.005	0.247	0.014	51.427	TRUE	2.37E-12
FEV1	LGALS8	cg08137948	rs2564741	G	A	0.389	0.024	0.373	8.29E-61	0.004	0.002	0.111	0.068	270.480	TRUE	9.28E-58
FEV1	LGALS8	cg08137948	rs6688531	T	C	0.262	0.040	0.095	3.73E-11	0.006	0.004	0.122	0.012	43.728	TRUE	1.36E-10
FEV1	LGALS8	cg08169200	rs2385494	C	T	0.178	0.030	0.190	3.56E-09	0.006	0.003	0.037	0.009	34.830	TRUE	1.45E-08
FEV1	LGALS8	cg08169200	rs4612616	G	C	0.393	0.071	0.026	3.71E-08	0.002	0.007	0.810	0.008	30.277	TRUE	5.14E-08
FEV1	LGALS8	cg08169200	rs766124	A	C	0.359	0.024	0.357	1.96E-50	0.004	0.003	0.122	0.057	222.926	TRUE	4.40E-48
FEV1	LGALS8	cg09334514	rs10754578	A	G	0.335	0.051	0.048	3.68E-11	-0.006	0.005	0.247	0.012	43.755	TRUE	1.04E-10
FEV1	LGALS8	cg09334514	rs2853624	T	G	0.369	0.026	0.297	2.20E-47	0.005	0.003	0.058	0.053	208.952	TRUE	5.46E-45
FEV1	LGALS8	cg09334514	rs6684467	G	C	0.234	0.037	0.111	2.92E-10	0.010	0.004	0.013	0.011	39.703	TRUE	1.70E-09
FEV1	LGALS8	cg13444964	rs140705131	A	G	0.566	0.083	0.014	1.03E-11	-0.009	0.009	0.333	0.012	46.249	TRUE	2.70E-11
FEV1	LGALS8	cg14252149	rs10925158	A	G	0.351	0.053	0.101	4.48E-11	0.002	0.004	0.554	0.012	43.370	TRUE	8.86E-11
FEV1	LGALS8	cg14252149	rs10925179	C	T	0.582	0.033	0.141	2.58E-70	0.007	0.003	0.054	0.078	314.085	TRUE	2.04E-66
FEV1	LGALS8	cg14252149	rs10925200	T	G	0.242	0.035	0.141	5.41E-12	0.006	0.004	0.111	0.013	47.508	TRUE	2.20E-11
FEV1	LGALS8	cg14252149	rs10925210	A	T	0.361	0.024	0.354	3.79E-51	0.005	0.003	0.045	0.058	226.194	TRUE	1.84E-48
FEV1	LGALS8	cg14252149	rs113500777	T	A	0.838	0.071	0.031	2.01E-32	0.011	0.008	0.148	0.037	140.484	TRUE	4.96E-31
FEV1	LGALS8	cg14252149	rs115660621	T	C	-0.489	0.064	0.066	1.66E-14	-0.008	0.005	0.101	0.016	58.863	TRUE	8.85E-14
FEV1	LGALS8	cg14252149	rs12069618	A	G	0.285	0.049	0.061	5.32E-09	-0.003	0.005	0.542	0.009	34.049	TRUE	9.42E-09
FEV1	LGALS8	cg14252149	rs1252108	A	G	-0.169	0.024	0.444	1.58E-12	-0.003	0.002	0.247	0.013	49.916	TRUE	4.90E-12
FEV1	LGALS8	cg14252149	rs144672563	A	G	0.541	0.067	0.060	9.92E-16	0.007	0.005	0.209	0.017	64.411	TRUE	4.39E-15
FEV1	LGALS8	cg14252149	rs1652228	C	T	0.782	0.034	0.129	4.56E-116	0.005	0.004	0.177	0.124	524.167	TRUE	9.88E-109
FEV1	LGALS8	cg14252149	rs2712828	T	C	0.219	0.033	0.158	3.97E-11	0.006	0.003	0.059	0.012	43.605	TRUE	1.81E-10
FEV1	LGALS8	cg14252149	rs35311500	G	C	0.502	0.050	0.057	2.45E-23	0.003	0.005	0.601	0.026	99.006	TRUE	1.02E-22
FEV1	LGALS8	cg14252149	rs630101	G	A	0.905	0.025	0.213	5.68E-294	0.005	0.003	0.112	0.266	1342.066	TRUE	2.21E-259
FEV1	LGALS8	cg14252149	rs72760210	T	C	0.657	0.084	0.022	5.68E-15	0.005	0.008	0.541	0.016	60.975	TRUE	1.45E-14
FEV1	LGALS8	cg14252149	rs73113054	T	C	0.960	0.143	0.011	1.95E-11	-0.013	0.013	0.321	0.012	44.991	TRUE	5.12E-11

FEV1	LGALS8	cg14252149	rs76913714	C	G	0.945	0.075	0.026	1.27E-36	0.017	0.007	0.019	0.041	159.684	TRUE	1.38E-34
FEV1	LGALS8	cg14252149	rs78605459	A	G	-0.283	0.032	0.147	4.78E-19	-0.005	0.003	0.155	0.021	79.474	TRUE	3.13E-18
FEV1	LGALS8	cg14252149	rs79149380	T	G	0.431	0.070	0.051	8.83E-10	0.009	0.005	0.087	0.010	37.547	TRUE	3.12E-09
FEV1	LGALS8	cg14252149	rs819434	T	G	1.120	0.020	0.248	<1E-200	0.007	0.003	0.010	0.459	3133.537	TRUE	<1E-200
FEV1	LGALS8	cg18322510	rs116216640	T	C	0.445	0.070	0.030	2.62E-10	0.017	0.007	0.014	0.011	39.921	TRUE	1.50E-09
FEV1	LGALS8	cg18322510	rs12135604	C	A	0.604	0.025	0.293	1.27E-125	0.005	0.003	0.058	0.133	568.070	TRUE	8.76E-117
FEV1	LGALS8	cg18322510	rs12136869	A	G	0.351	0.064	0.070	3.72E-08	-0.003	0.005	0.545	0.008	30.272	TRUE	6.29E-08
FEV1	LGALS8	cg18322510	rs488306	T	C	0.253	0.040	0.096	1.86E-10	-0.004	0.004	0.358	0.011	40.587	TRUE	4.36E-10
FEV1	LGALS8	cg18322510	rs61135021	C	G	0.219	0.027	0.257	2.18E-16	0.006	0.003	0.027	0.018	67.399	TRUE	2.07E-15
FEV1	LGALS8	cg18322510	rs707217	G	A	0.136	0.025	0.327	4.97E-08	0.005	0.003	0.079	0.008	29.712	TRUE	1.56E-07
FEV1	LGALS8	cg18322510	rs73124727	A	G	0.377	0.045	0.076	3.24E-17	0.005	0.005	0.257	0.019	71.152	TRUE	1.45E-16
FEV1	LGALS8	cg22596738	rs2758991	T	A	0.182	0.027	0.254	1.18E-11	0.007	0.003	0.019	0.012	45.977	TRUE	7.56E-11
FEV1	LGMN	cg00903825	rs113906812	T	C	0.406	0.055	0.044	1.11E-13	0.010	0.005	0.059	0.015	55.137	TRUE	6.49E-13
FEV1	LGMN	cg00903825	rs118188631	A	T	-0.402	0.070	0.027	9.30E-09	-0.013	0.007	0.057	0.009	32.964	TRUE	3.33E-08
FEV1	LGMN	cg00903825	rs12891909	T	C	0.182	0.027	0.258	6.90E-12	0.006	0.003	0.030	0.013	47.031	TRUE	3.96E-11
FEV1	LGMN	cg00903825	rs150913052	T	C	0.551	0.059	0.039	8.77E-21	-0.008	0.006	0.144	0.023	87.375	TRUE	6.95E-20
FEV1	LGMN	cg00903825	rs185397045	T	C	0.399	0.066	0.031	1.21E-09	0.017	0.007	0.014	0.010	36.938	TRUE	6.53E-09
FEV1	LGMN	cg00903825	rs2236264	T	C	-0.356	0.031	0.163	5.57E-30	-0.002	0.003	0.440	0.034	129.320	TRUE	5.16E-29
FEV1	LGMN	cg00903825	rs2402189	A	C	0.800	0.020	0.390	<1E-200	0.005	0.002	0.036	0.298	1571.127	TRUE	7.53E-298
FEV1	LGMN	cg00903825	rs35291284	T	C	0.176	0.028	0.219	6.02E-10	-0.013	0.003	5.30E-06	0.010	38.293	TRUE	1.10E-08
FEV1	LGMN	cg00903825	rs3783925	G	A	0.157	0.024	0.365	1.36E-10	0.011	0.002	7.89E-06	0.011	41.193	TRUE	2.76E-09
FEV1	LGMN	cg00903825	rs3783933	T	C	-0.306	0.029	0.198	3.91E-26	-0.001	0.003	0.698	0.029	111.764	TRUE	1.75E-25
FEV1	LGMN	cg00903825	rs4904981	A	G	0.383	0.031	0.172	2.35E-34	-0.001	0.003	0.729	0.039	149.314	TRUE	2.00E-33
FEV1	LGMN	cg00903825	rs68062833	A	G	0.269	0.042	0.183	8.46E-11	0.002	0.003	0.558	0.011	42.125	TRUE	1.64E-10
FEV1	LGMN	cg00903825	rs76392320	G	C	0.355	0.047	0.064	3.29E-14	0.004	0.005	0.437	0.015	57.522	TRUE	8.94E-14
FEV1	LGMN	cg00903825	rs943656	A	G	-0.154	0.027	0.239	1.11E-08	-0.010	0.003	3.26E-04	0.009	32.621	TRUE	9.41E-08
FEV1	LGMN	cg01051583	rs1271816	C	T	0.192	0.026	0.319	5.70E-14	-0.004	0.003	0.119	0.015	56.442	TRUE	2.77E-13
FEV1	LGMN	cg01051583	rs2236264	T	C	-0.351	0.031	0.163	2.33E-30	-0.002	0.003	0.440	0.034	131.048	TRUE	2.23E-29
FEV1	LGMN	cg02139485	rs8177525	A	C	0.403	0.044	0.158	5.04E-20	-0.002	0.003	0.563	0.022	83.918	TRUE	1.75E-19
FEV1	LGMN	cg02628202	rs10148060	G	A	-0.180	0.025	0.333	2.23E-13	-0.001	0.003	0.801	0.014	53.758	TRUE	3.96E-13
FEV1	LGMN	cg02628202	rs118188631	A	T	0.415	0.070	0.027	2.93E-09	-0.013	0.007	0.057	0.009	35.210	TRUE	1.11E-08
FEV1	LGMN	cg02628202	rs12883478	A	G	-0.376	0.034	0.341	1.45E-28	0.000	0.003	0.976	0.032	122.857	TRUE	5.46E-28
FEV1	LGMN	cg02628202	rs13379303	A	G	-0.223	0.030	0.187	1.94E-13	0.001	0.003	0.772	0.014	54.032	TRUE	3.61E-13
FEV1	LGMN	cg02628202	rs141596389	G	T	0.392	0.066	0.030	2.12E-09	0.017	0.007	0.019	0.010	35.845	TRUE	1.05E-08
FEV1	LGMN	cg02628202	rs2402211	C	G	0.184	0.032	0.186	4.95E-09	0.000	0.003	0.895	0.009	34.189	TRUE	6.72E-09
FEV1	LGMN	cg02628202	rs8177525	A	C	0.510	0.044	0.158	3.75E-31	-0.002	0.003	0.563	0.035	134.674	TRUE	3.10E-30
FEV1	LGMN	cg05135213	rs1242091	C	T	0.215	0.035	0.299	6.14E-10	0.003	0.003	0.205	0.010	38.255	TRUE	1.70E-09
FEV1	LGMN	cg14521318	rs1242091	C	T	0.242	0.035	0.299	2.64E-12	0.003	0.003	0.205	0.013	48.912	TRUE	8.86E-12
FEV1	LGMN	cg17319795	rs113906812	T	C	0.409	0.055	0.044	8.17E-14	0.010	0.005	0.059	0.015	55.734	TRUE	4.85E-13
FEV1	LGMN	cg17319795	rs118188631	A	T	-0.400	0.070	0.027	1.01E-08	-0.013	0.007	0.057	0.009	32.807	TRUE	3.60E-08
FEV1	LGMN	cg17319795	rs138660368	C	G	0.425	0.067	0.033	2.14E-10	-0.007	0.006	0.281	0.011	40.313	TRUE	5.43E-10
FEV1	LGMN	cg17319795	rs2236264	T	C	-0.246	0.031	0.163	4.09E-15	-0.002	0.003	0.440	0.016	61.623	TRUE	1.19E-14

FEV1	LGMN	cg17319795	rs2402189	A	C	0.506	0.023	0.390	6.82E-107	0.005	0.002	0.036	0.115	482.021	TRUE	8.93E-100
FEV1	LGMN	cg17319795	rs4904981	A	G	0.269	0.031	0.172	1.17E-17	-0.001	0.003	0.729	0.019	73.161	TRUE	2.88E-17
FEV1	LGMN	cg22803549	rs8177525	A	C	0.256	0.043	0.158	3.00E-09	-0.002	0.003	0.563	0.009	35.163	TRUE	5.30E-09
FEV1	LGMN	cg22840852	rs10148060	G	A	-0.163	0.025	0.333	3.35E-11	-0.001	0.003	0.801	0.012	43.936	TRUE	5.34E-11
FEV1	LGMN	cg22840852	rs118188631	A	T	0.385	0.070	0.027	3.81E-08	-0.013	0.007	0.057	0.008	30.229	TRUE	1.28E-07
FEV1	LGMN	cg22840852	rs141596389	G	T	0.394	0.066	0.030	1.84E-09	0.017	0.007	0.019	0.010	36.122	TRUE	9.16E-09
FEV1	LGMN	cg22840852	rs8177528	T	C	-0.181	0.024	0.348	8.26E-14	0.004	0.002	0.112	0.015	55.712	TRUE	4.02E-13
FEV1	LGMN	cg22840852	rs999292	A	C	0.445	0.042	0.175	3.05E-26	-0.001	0.003	0.880	0.029	112.253	TRUE	1.10E-25
FEV1	LGMN	cg23168000	rs113520995	T	C	0.423	0.068	0.030	4.36E-10	0.003	0.007	0.643	0.010	38.923	TRUE	7.54E-10
FEV1	LGMN	cg23168000	rs118188631	A	T	0.567	0.070	0.027	4.36E-16	-0.013	0.007	0.057	0.018	66.031	TRUE	3.25E-15
FEV1	LGMN	cg23168000	rs1242104	T	G	0.199	0.024	0.488	8.31E-17	0.003	0.002	0.274	0.018	69.298	TRUE	3.60E-16
FEV1	LGMN	cg23168000	rs189068715	G	A	0.584	0.092	0.016	2.03E-10	0.016	0.009	0.089	0.011	40.415	TRUE	7.66E-10
FEV1	LGMN	cg23168000	rs4904972	A	C	0.161	0.027	0.237	3.33E-09	0.001	0.003	0.859	0.009	34.962	TRUE	4.67E-09
FEV1	LGMN	cg23168000	rs8177528	T	C	-0.201	0.024	0.348	9.43E-17	0.004	0.002	0.112	0.018	69.049	TRUE	6.00E-16
FEV1	LGMN	cg23168000	rs999292	A	C	0.558	0.042	0.175	5.13E-41	-0.001	0.003	0.880	0.046	179.791	TRUE	6.37E-40
FEV1	LGMN	cg23547892	rs113906812	T	C	0.560	0.055	0.044	9.80E-25	0.010	0.005	0.059	0.028	105.379	TRUE	1.74E-23
FEV1	LGMN	cg23547892	rs118188631	A	T	-0.456	0.070	0.027	6.94E-11	-0.013	0.007	0.057	0.011	42.513	TRUE	3.09E-10
FEV1	LGMN	cg23547892	rs12435423	C	T	0.278	0.039	0.092	8.21E-13	0.021	0.004	2.90E-07	0.014	51.204	TRUE	3.77E-11
FEV1	LGMN	cg23547892	rs12437403	A	G	-0.240	0.043	0.078	2.92E-08	-0.001	0.005	0.757	0.008	30.744	TRUE	4.21E-08
FEV1	LGMN	cg23547892	rs138660368	C	G	0.517	0.067	0.033	1.21E-14	-0.007	0.006	0.281	0.016	59.487	TRUE	4.22E-14
FEV1	LGMN	cg23547892	rs143184687	T	C	-0.455	0.082	0.018	2.69E-08	0.002	0.008	0.790	0.008	30.901	TRUE	3.82E-08
FEV1	LGMN	cg23547892	rs2236264	T	C	-0.288	0.031	0.163	3.97E-20	-0.002	0.003	0.440	0.022	84.388	TRUE	1.65E-19
FEV1	LGMN	cg23547892	rs2402189	A	C	0.662	0.023	0.390	6.27E-190	0.005	0.002	0.036	0.189	863.630	TRUE	1.02E-172
FEV1	LGMN	cg23547892	rs4904981	A	G	0.336	0.031	0.172	1.03E-26	-0.001	0.003	0.729	0.030	114.410	TRUE	4.68E-26
FEV1	LGMN	cg23547892	rs76392320	G	C	0.259	0.047	0.064	3.16E-08	0.004	0.005	0.437	0.008	30.592	TRUE	5.83E-08
FEV1	LGMN	cg23547892	rs79340292	A	G	0.449	0.077	0.046	5.13E-09	-0.002	0.005	0.733	0.009	34.119	TRUE	7.83E-09
FEV1	LGMN	cg23547892	rs943656	A	G	-0.154	0.027	0.239	1.14E-08	-0.010	0.003	3.26E-04	0.009	32.569	TRUE	9.64E-08
FEV1	LGMN	cg26329144	rs1242091	C	T	-0.261	0.034	0.299	1.54E-14	0.003	0.003	0.205	0.016	59.016	TRUE	6.18E-14
FEV1	LOC100132724	cg19949776	rs11632323	T	A	0.495	0.031	0.175	2.80E-59	0.002	0.003	0.505	0.066	263.468	TRUE	5.63E-57
FEV1	LOC100132724	cg19949776	rs118136423	T	C	0.624	0.065	0.042	6.68E-22	-0.014	0.006	0.015	0.024	92.466	TRUE	1.40E-20
FEV1	LOC100132724	cg19949776	rs11857513	A	G	-0.445	0.071	0.026	3.36E-10	-0.003	0.007	0.636	0.011	39.435	TRUE	5.87E-10
FEV1	LOC100132724	cg19949776	rs12905736	A	G	-0.170	0.026	0.271	6.62E-11	0.000	0.003	0.925	0.011	42.604	TRUE	9.59E-11
FEV1	LOC100132724	cg19949776	rs146676154	C	T	-0.558	0.068	0.029	1.62E-16	0.003	0.007	0.645	0.018	67.982	TRUE	4.05E-16
FEV1	LOC100132724	cg19949776	rs149451788	C	T	0.571	0.057	0.045	1.29E-23	-0.002	0.006	0.682	0.026	100.282	TRUE	4.91E-23
FEV1	LOC100132724	cg19949776	rs150018499	A	T	0.600	0.096	0.015	4.73E-10	-0.003	0.010	0.803	0.010	38.764	TRUE	7.17E-10
FEV1	LOC100132724	cg19949776	rs150420855	A	G	-0.594	0.099	0.015	2.11E-09	0.033	0.010	7.40E-04	0.010	35.852	TRUE	1.82E-08
FEV1	LOC100132724	cg19949776	rs16964178	C	G	-0.554	0.029	0.192	5.52E-82	0.007	0.003	0.025	0.090	367.645	TRUE	5.94E-77
FEV1	LOC100132724	cg19949776	rs17599663	C	G	-0.623	0.065	0.030	5.06E-22	0.020	0.006	0.001	0.025	93.015	TRUE	2.24E-20
FEV1	LOC100132724	cg19949776	rs17600375	T	C	0.673	0.031	0.162	3.91E-107	-0.017	0.003	4.79E-08	0.116	483.129	TRUE	5.21E-97
FEV1	LOC100132724	cg19949776	rs17601241	A	G	0.463	0.040	0.089	9.66E-31	0.000	0.004	0.913	0.035	132.796	TRUE	4.57E-30
FEV1	LOC100132724	cg19949776	rs2124872	A	G	-0.176	0.030	0.184	4.12E-09	0.007	0.003	0.020	0.009	34.547	TRUE	1.94E-08
FEV1	LOC100132724	cg19949776	rs2445750	T	C	-0.249	0.026	0.298	7.69E-22	0.005	0.003	0.078	0.024	92.186	TRUE	8.67E-21

FEV1	LOC100132724	cg19949776	rs34917130	C	T	0.283	0.036	0.124	3.62E-15	-0.002	0.004	0.500	0.016	61.861	TRUE	9.88E-15
FEV1	LOC100132724	cg19949776	rs3751591	G	A	0.240	0.044	0.156	4.22E-08	0.006	0.003	0.063	0.008	30.031	TRUE	1.38E-07
FEV1	LOC100132724	cg19949776	rs55946545	C	T	0.411	0.050	0.060	3.44E-16	-0.001	0.005	0.883	0.018	66.500	TRUE	6.62E-16
FEV1	LOC100132724	cg19949776	rs60695341	T	C	-0.640	0.027	0.204	5.32E-120	-0.007	0.003	0.018	0.128	542.234	TRUE	2.72E-111
FEV1	LOC100132724	cg19949776	rs71471588	T	C	-0.780	0.134	0.020	6.26E-09	0.005	0.009	0.546	0.009	33.735	TRUE	1.10E-08
FEV1	LOC100132724	cg19949776	rs72727118	T	A	-0.743	0.075	0.024	7.12E-23	-0.005	0.007	0.485	0.026	96.895	TRUE	3.38E-22
FEV1	LOC100132724	cg19949776	rs72727133	T	C	0.611	0.036	0.112	4.09E-63	-0.001	0.004	0.778	0.071	281.060	TRUE	7.76E-61
FEV1	LOC100132724	cg19949776	rs72729238	C	T	-0.775	0.132	0.020	4.21E-09	0.000	0.007	0.959	0.009	34.507	TRUE	5.48E-09
FEV1	LOC100132724	cg19949776	rs74446953	G	A	-0.174	0.029	0.193	2.19E-09	0.001	0.003	0.673	0.010	35.779	TRUE	3.55E-09
FEV1	LOC100132724	cg19949776	rs74804171	T	C	0.426	0.070	0.027	1.40E-09	0.008	0.007	0.275	0.010	36.654	TRUE	3.38E-09
FEV1	LOC100132724	cg19949776	rs76181975	G	A	0.591	0.057	0.049	1.32E-25	0.011	0.006	0.041	0.029	109.358	TRUE	2.91E-24
FEV1	LOC100132724	cg19949776	rs76264726	A	G	-0.386	0.064	0.031	1.98E-09	-0.010	0.006	0.111	0.010	35.972	TRUE	6.39E-09
FEV1	LOC100132724	cg19949776	rs78196407	G	T	-0.580	0.052	0.058	1.21E-28	0.013	0.005	0.016	0.032	123.214	TRUE	5.48E-27
FEV1	LOC100132724	cg19949776	rs78376852	G	A	0.305	0.032	0.148	2.23E-21	-0.009	0.003	0.007	0.024	90.085	TRUE	5.78E-20
FEV1	LOC100132724	cg19949776	rs78983779	T	A	-0.433	0.053	0.052	2.76E-16	-0.002	0.005	0.678	0.018	66.934	TRUE	6.59E-16
FEV1	LOC100132724	cg19949776	rs79260774	T	A	0.324	0.058	0.038	2.26E-08	-0.015	0.006	0.005	0.008	31.239	TRUE	1.24E-07
FEV1	LOC100132724	cg19949776	rs79469565	T	C	-0.368	0.050	0.105	2.29E-13	0.003	0.004	0.479	0.014	53.707	TRUE	5.69E-13
FEV1	LOC100132724	cg19949776	rs8025206	C	T	-0.436	0.024	0.386	1.21E-76	0.006	0.008	0.471	0.085	343.136	TRUE	3.53E-73
FEV1	LOC100132724	cg19949776	rs8027182	T	C	-0.895	0.018	0.457	<1E-200	0.000	0.002	0.877	0.393	2395.089	TRUE	<1E-200
FEV1	LOC100132724	cg19949776	rs854160	T	C	0.166	0.024	0.428	4.62E-12	-0.001	0.002	0.681	0.013	47.816	TRUE	8.74E-12
FEV1	LOC100132724	cg19949776	rs882299	G	A	-0.682	0.050	0.059	3.62E-43	0.008	0.005	0.121	0.049	189.641	TRUE	3.38E-41
FEV1	LOC100132724	cg19949776	rs9972359	C	T	-0.343	0.024	0.417	1.97E-47	0.002	0.002	0.330	0.054	209.172	TRUE	1.48E-45
FEV1	LTA	cg14910524	rs561747487	A	G	-1.247	0.165	0.011	3.67E-14	-0.009	0.013	0.512	0.015	57.305	TRUE	9.17E-14
FEV1	LTBR	cg04911821	rs10849484	T	C	0.206	0.027	0.262	8.30E-15	0.001	0.003	0.590	0.016	60.231	TRUE	1.95E-14
FEV1	LTBR	cg04911821	rs2286600	G	A	0.194	0.033	0.437	2.51E-09	0.002	0.002	0.333	0.010	35.512	TRUE	5.55E-09
FEV1	LTBR	cg04911821	rs28999107	T	G	0.550	0.023	0.431	1.17E-128	0.007	0.002	0.005	0.136	582.006	TRUE	1.30E-118
FEV1	LTBR	cg15784615	rs11611855	T	C	0.167	0.024	0.418	3.01E-12	0.005	0.002	0.056	0.013	48.656	TRUE	1.50E-11
FEV1	LTBR	cg19476647	rs4301834	G	A	-0.297	0.026	0.281	2.83E-30	-0.010	0.003	2.42E-04	0.034	130.662	TRUE	6.37E-28
FEV1	LTBR	cg23079808	rs2071244	C	G	0.219	0.037	0.247	3.32E-09	0.002	0.003	0.483	0.009	34.968	TRUE	6.29E-09
FEV1	LTBR	cg23079808	rs9669611	T	C	-0.453	0.025	0.292	1.37E-71	-0.009	0.003	0.001	0.080	319.943	TRUE	1.36E-66
FEV1	LTBR	cg24621362	rs4301834	G	A	-0.341	0.026	0.281	9.39E-40	-0.010	0.003	2.42E-04	0.045	174.011	TRUE	8.54E-37
FEV1	LTBR	cg25894255	rs12425441	A	G	-0.145	0.026	0.284	1.56E-08	-0.009	0.003	0.001	0.009	31.964	TRUE	1.11E-07
FEV1	LTBR	cg26306994	rs4020660	A	G	0.221	0.024	0.497	1.47E-20	0.005	0.002	0.025	0.023	86.348	TRUE	2.31E-19
FEV1	LYN	cg02410887	rs12155650	T	C	0.274	0.038	0.127	8.66E-13	-0.003	0.003	0.334	0.014	51.099	TRUE	2.46E-12
FEV1	LYN	cg02410887	rs7828483	C	G	0.352	0.030	0.231	1.27E-31	-0.008	0.003	0.007	0.036	136.827	TRUE	1.10E-29
FEV1	LYN	cg02508743	rs118002299	T	C	-0.629	0.094	0.018	2.45E-11	0.007	0.009	0.404	0.012	44.550	TRUE	5.73E-11
FEV1	LYN	cg02508743	rs16922425	C	T	-0.172	0.026	0.491	1.78E-11	-0.001	0.002	0.702	0.012	45.177	TRUE	3.13E-11
FEV1	LYN	cg02508743	rs28595219	T	C	-0.193	0.029	0.252	1.77E-11	-0.002	0.003	0.449	0.012	45.183	TRUE	3.96E-11
FEV1	LYN	cg02508743	rs9650314	A	G	-0.611	0.032	0.183	1.54E-83	-0.008	0.003	0.010	0.092	374.776	TRUE	4.20E-78
FEV1	LYN	cg03973663	rs2667976	A	C	0.301	0.030	0.229	1.86E-23	-0.008	0.003	0.006	0.026	99.548	TRUE	6.56E-22
FEV1	LYN	cg03973663	rs556194714	C	T	0.375	0.066	0.038	1.70E-08	-0.005	0.006	0.428	0.009	31.793	TRUE	3.23E-08
FEV1	LYN	cg04132540	rs77035567	T	C	-0.443	0.061	0.045	6.08E-13	-0.004	0.006	0.493	0.014	51.791	TRUE	1.44E-12

FEV1	LYN	cg05997362	rs2667971	C	T	0.251	0.030	0.231	9.66E-17	-0.008	0.003	0.006	0.018	69.001	TRUE	1.51E-15
FEV1	LYN	cg06818377	rs13249338	A	G	-0.147	0.026	0.406	1.39E-08	0.003	0.002	0.231	0.009	32.181	TRUE	3.35E-08
FEV1	LYN	cg06818377	rs1470708	G	A	-0.159	0.026	0.387	9.71E-10	-0.001	0.002	0.824	0.010	37.361	TRUE	1.42E-09
FEV1	LYN	cg06818377	rs72651454	G	A	0.509	0.033	0.166	3.90E-53	-0.002	0.003	0.426	0.060	235.306	TRUE	4.45E-51
FEV1	LYN	cg06818377	rs72653977	G	A	0.423	0.065	0.039	1.03E-10	-0.002	0.006	0.736	0.011	41.744	TRUE	1.70E-10
FEV1	LYN	cg06880721	rs13262073	C	G	0.270	0.027	0.330	2.29E-23	0.003	0.003	0.278	0.026	99.144	TRUE	1.69E-22
FEV1	LYN	cg06880721	rs139862376	G	C	0.330	0.056	0.055	4.03E-09	0.003	0.005	0.594	0.009	34.591	TRUE	6.91E-09
FEV1	LYN	cg06880721	rs6994646	C	T	-0.265	0.045	0.086	3.65E-09	-0.001	0.004	0.809	0.009	34.782	TRUE	5.31E-09
FEV1	LYN	cg06880721	rs72651467	G	T	0.201	0.035	0.158	7.82E-09	-0.001	0.003	0.763	0.009	33.301	TRUE	1.16E-08
FEV1	LYN	cg08894788	rs12679916	T	C	-0.212	0.025	0.412	9.32E-17	-0.003	0.002	0.191	0.018	69.072	TRUE	4.57E-16
FEV1	LYN	cg08894788	rs2271400	C	T	0.395	0.027	0.336	8.72E-50	0.007	0.003	0.008	0.056	219.953	TRUE	8.99E-47
FEV1	LYN	cg11982546	rs7829003	G	C	0.248	0.033	0.176	6.65E-14	-0.005	0.003	0.116	0.015	56.138	TRUE	3.13E-13
FEV1	LYN	cg17806401	rs113732653	C	A	0.398	0.064	0.042	3.52E-10	-0.004	0.006	0.575	0.011	39.341	TRUE	6.47E-10
FEV1	LYN	cg17806401	rs17812677	A	T	0.264	0.030	0.225	2.88E-18	-0.007	0.003	0.014	0.020	75.928	TRUE	4.20E-17
FEV1	LYN	cg21301224	rs17812677	A	T	0.188	0.030	0.225	6.75E-10	-0.007	0.003	0.014	0.010	38.070	TRUE	3.75E-09
FEV1	LYN	cg24856456	rs9693980	A	G	-0.169	0.030	0.250	1.23E-08	-0.008	0.003	0.002	0.009	32.420	TRUE	8.11E-08
FEV1	LYN	cg27004182	rs1546519	G	A	0.162	0.028	0.277	8.12E-09	0.001	0.003	0.592	0.009	33.229	TRUE	1.37E-08
FEV1	MADD	cg07637188	rs118134583	C	T	-1.262	0.074	0.027	2.21E-64	0.005	0.008	0.505	0.072	286.875	TRUE	9.20E-62
FEV1	MADD	cg07637188	rs4315028	C	A	-0.203	0.028	0.247	5.53E-13	0.009	0.003	0.002	0.014	51.977	TRUE	7.36E-12
FEV1	MADD	cg17580616	rs113383278	C	G	-0.352	0.062	0.044	1.31E-08	0.013	0.006	0.036	0.009	32.295	TRUE	5.17E-08
FEV1	MADD	cg17580616	rs113954134	A	G	-0.369	0.066	0.033	1.86E-08	0.021	0.007	0.001	0.008	31.617	TRUE	1.30E-07
FEV1	MADD	cg17580616	rs2856650	A	G	0.229	0.025	0.303	1.82E-19	-0.003	0.003	0.276	0.022	81.377	TRUE	9.35E-19
FEV1	MADD	cg17580616	rs326218	T	A	-0.345	0.044	0.075	8.00E-15	0.003	0.005	0.460	0.016	60.304	TRUE	2.25E-14
FEV1	MADD	cg17580616	rs74757308	C	A	-0.452	0.080	0.025	1.96E-08	-0.013	0.008	0.093	0.008	31.517	TRUE	6.03E-08
FEV1	MADD	cg17580616	rs753993	A	C	-0.498	0.028	0.215	2.91E-69	0.007	0.003	0.016	0.077	309.258	TRUE	4.51E-65
FEV1	MADD	cg17580616	rs7934659	T	C	-0.158	0.026	0.285	2.55E-09	-0.003	0.003	0.187	0.010	35.478	TRUE	6.89E-09
FEV1	MADD	cg19501536	rs10838687	G	T	-0.477	0.028	0.215	3.00E-66	0.007	0.003	0.015	0.074	295.434	TRUE	2.96E-62
FEV1	MADD	cg19501536	rs113383278	C	G	-0.400	0.061	0.044	6.54E-11	0.013	0.006	0.036	0.011	42.630	TRUE	3.31E-10
FEV1	MADD	cg19501536	rs113954134	A	G	-0.477	0.064	0.033	1.30E-13	0.021	0.007	0.001	0.015	54.829	TRUE	1.89E-12
FEV1	MADD	cg19501536	rs2856650	A	G	0.147	0.025	0.303	4.37E-09	-0.003	0.003	0.276	0.009	34.432	TRUE	1.02E-08
FEV1	MADD	cg19501536	rs544766788	T	G	0.170	0.026	0.275	3.94E-11	-0.006	0.003	0.015	0.012	43.619	TRUE	2.48E-10
FEV1	MADD	cg23844623	rs4752978	A	G	0.423	0.030	0.185	1.62E-44	0.009	0.003	0.002	0.050	195.822	TRUE	1.29E-41
FEV1	MADD	cg23844623	rs77082299	A	G	0.423	0.072	0.031	3.86E-09	-0.009	0.008	0.254	0.009	34.677	TRUE	9.29E-09
FEV1	MADD	cg25783544	rs7120957	G	A	0.303	0.024	0.325	2.60E-35	0.004	0.003	0.082	0.040	153.689	TRUE	1.19E-33
FEV1	MADD	cg26365553	rs77532017	T	C	0.331	0.032	0.165	8.70E-25	0.002	0.021	0.914	0.028	105.615	TRUE	2.70E-24
FEV1	MAP1LC3A	cg01901788	rs17310782	T	C	0.220	0.025	0.294	3.68E-18	0.011	0.003	7.56E-06	0.020	75.446	TRUE	2.76E-16
FEV1	MAP1LC3A	cg01901788	rs2889785	C	T	0.144	0.025	0.359	4.02E-09	-0.002	0.002	0.413	0.009	34.597	TRUE	8.15E-09
FEV1	MAP1LC3A	cg01901788	rs3213180	C	G	0.387	0.037	0.096	1.73E-25	0.013	0.004	9.15E-04	0.029	108.809	TRUE	1.29E-23
FEV1	MAP1LC3A	cg01901788	rs6058091	T	C	0.702	0.029	0.167	1.74E-128	0.008	0.003	0.009	0.136	581.213	TRUE	1.40E-118
FEV1	MAP1LC3A	cg01901788	rs6088372	T	C	0.389	0.032	0.137	4.44E-34	0.008	0.003	0.011	0.038	148.049	TRUE	4.64E-32
FEV1	MAP1LC3A	cg01901788	rs6088774	A	T	-0.200	0.031	0.179	7.55E-11	-0.016	0.003	2.16E-07	0.011	42.348	TRUE	2.37E-09
FEV1	MAP1LC3A	cg01901788	rs7271970	G	A	0.359	0.023	0.499	2.20E-53	0.004	0.002	0.085	0.060	236.440	TRUE	1.01E-50

FEV1	MAP1LC3A	cg01901788	rs74557169	A	G	0.555	0.073	0.030	3.09E-14	-0.009	0.007	0.226	0.015	57.643	TRUE	1.15E-13
FEV1	MAP1LC3A	cg01901788	rs79189763	T	C	-0.627	0.092	0.018	7.45E-12	-0.021	0.009	0.023	0.013	46.880	TRUE	4.65E-11
FEV1	MAP2K5	cg01362115	rs12593640	C	G	0.551	0.039	0.091	1.58E-44	0.009	0.004	0.029	0.050	195.863	TRUE	4.12E-42
FEV1	MAP2K5	cg01362115	rs140450540	A	G	0.580	0.092	0.016	2.50E-10	0.006	0.009	0.518	0.011	40.008	TRUE	4.91E-10
FEV1	MAP2K5	cg08079166	rs4489954	T	G	0.186	0.025	0.296	2.79E-13	-0.001	0.003	0.635	0.014	53.324	TRUE	5.82E-13
FEV1	MAP2K5	cg17973661	rs142124398	A	T	-0.733	0.090	0.018	2.66E-16	-0.006	0.009	0.465	0.018	67.007	TRUE	8.07E-16
FEV1	MAP2K5	cg17973661	rs4514627	C	A	0.317	0.040	0.090	2.21E-15	0.009	0.004	0.029	0.017	62.839	TRUE	1.91E-14
FEV1	MAP2K5	cg17973661	rs8030456	T	C	-0.168	0.029	0.225	5.09E-09	-0.005	0.003	0.059	0.009	34.136	TRUE	1.82E-08
FEV1	MAP2K5	cg19393677	rs2583585	G	A	-0.493	0.041	0.084	8.96E-34	0.007	0.004	0.104	0.038	146.658	TRUE	3.19E-32
FEV1	MAP2K5	cg19393677	rs745212	A	G	-0.202	0.025	0.332	3.03E-16	0.000	0.002	0.986	0.018	66.745	TRUE	5.19E-16
FEV1	MAP2K5	cg20055861	rs6494694	A	C	0.245	0.025	0.314	2.22E-22	-0.001	0.003	0.714	0.025	94.643	TRUE	7.45E-22
FEV1	MAP2K5	cg20055861	rs73427943	T	C	-0.232	0.035	0.128	4.81E-11	-0.010	0.003	0.004	0.012	43.228	TRUE	3.97E-10
FEV1	MAP2K5	cg24247231	rs138176505	G	A	0.654	0.077	0.021	1.96E-17	0.003	0.008	0.697	0.019	72.146	TRUE	4.86E-17
FEV1	MAP2K5	cg24247231	rs16951489	A	C	0.527	0.079	0.025	2.34E-11	-0.003	0.008	0.671	0.012	44.643	TRUE	4.21E-11
FEV1	MAP2K5	cg24247231	rs17300363	C	A	-0.239	0.040	0.087	2.27E-09	0.005	0.004	0.242	0.010	35.704	TRUE	5.69E-09
FEV1	MAP2K5	cg24247231	rs184812791	T	A	1.293	0.162	0.011	1.70E-15	-0.006	0.011	0.602	0.017	63.350	TRUE	4.17E-15
FEV1	MAP2K5	cg24247231	rs3743353	C	T	1.338	0.035	0.083	<1E-200	0.007	0.004	0.100	0.284	1469.442	TRUE	2.93E-281
FEV1	MAP2K5	cg24247231	rs4777011	C	G	-0.144	0.024	0.391	3.86E-09	-0.010	0.002	2.47E-05	0.009	34.674	TRUE	5.07E-08
FEV1	MAP2K5	cg24247231	rs62016776	G	A	0.398	0.029	0.202	4.38E-44	0.000	0.003	0.894	0.050	193.840	TRUE	7.20E-43
FEV1	MAP2K5	cg25642180	rs201788262	A	G	-0.365	0.063	0.036	5.75E-09	-0.009	0.006	0.147	0.009	33.898	TRUE	1.63E-08
FEV1	MAP2K5	cg27219399	rs11504677	A	G	0.514	0.072	0.028	8.62E-13	-0.011	0.007	0.108	0.014	51.107	TRUE	3.80E-12
FEV1	MAP2K5	cg27219399	rs12898654	G	C	-0.226	0.028	0.201	1.11E-15	0.006	0.003	0.035	0.017	64.193	TRUE	9.46E-15
FEV1	MAP2K5	cg27219399	rs12902812	A	G	0.691	0.026	0.260	1.93E-154	-0.010	0.003	1.20E-04	0.159	700.491	TRUE	4.14E-140
FEV1	MAP2K5	cg27219399	rs138206068	T	G	0.466	0.074	0.029	3.79E-10	-0.003	0.007	0.724	0.010	39.198	TRUE	6.17E-10
FEV1	MAP2K5	cg27219399	rs1470002	A	G	0.192	0.024	0.394	2.71E-15	-0.005	0.002	0.035	0.017	62.432	TRUE	2.13E-14
FEV1	MAP2K5	cg27219399	rs17228212	C	T	-0.146	0.026	0.300	1.42E-08	-0.001	0.003	0.794	0.009	32.143	TRUE	2.05E-08
FEV1	MAP2K5	cg27219399	rs338348	A	C	0.189	0.024	0.417	3.89E-15	-0.007	0.002	0.002	0.016	61.722	TRUE	6.07E-14
FEV1	MAP2K5	cg27219399	rs4776367	G	A	-0.308	0.029	0.204	4.23E-27	0.002	0.003	0.581	0.030	116.170	TRUE	2.48E-26
FEV1	MAP2K5	cg27219399	rs74923405	T	C	0.446	0.057	0.042	5.40E-15	-0.012	0.006	0.038	0.016	61.078	TRUE	4.06E-14
FEV1	MAP2K5	cg27219399	rs7498094	C	T	0.132	0.023	0.458	2.06E-08	-0.011	0.002	5.63E-06	0.008	31.423	TRUE	2.89E-07
FEV1	MAP2K5	cg27219399	rs75379618	T	C	0.551	0.087	0.036	2.96E-10	-0.022	0.006	4.57E-04	0.011	39.679	TRUE	3.16E-09
FEV1	MAP2K5	cg27219399	rs8037951	A	C	-0.170	0.027	0.251	2.30E-10	-0.004	0.003	0.137	0.011	40.175	TRUE	7.58E-10
FEV1	MAP3K5	cg01792203	rs9389406	T	C	0.241	0.038	0.134	3.46E-10	-0.009	0.003	0.009	0.011	39.376	TRUE	2.26E-09
FEV1	MAP3K5	cg02673417	rs932589	T	C	0.159	0.026	0.422	5.65E-10	-0.006	0.002	0.022	0.010	38.418	TRUE	2.87E-09
FEV1	MAP3K5	cg04355227	rs6933827	G	A	1.141	0.097	0.035	8.33E-32	0.000	0.007	0.958	0.036	137.659	TRUE	4.10E-31
FEV1	MAP3K5	cg07868909	rs141318377	T	C	-0.432	0.073	0.033	3.24E-09	0.004	0.007	0.544	0.009	35.012	TRUE	5.84E-09
FEV1	MAP3K5	cg07868909	rs17654215	C	T	-0.505	0.069	0.079	2.89E-13	-0.007	0.004	0.102	0.014	53.255	TRUE	1.35E-12
FEV1	MAP3K5	cg07868909	rs17710825	G	A	0.330	0.039	0.122	1.08E-17	-0.002	0.004	0.596	0.019	73.317	TRUE	3.04E-17
FEV1	MAP3K5	cg07868909	rs2327766	G	A	0.462	0.054	0.133	7.95E-18	0.004	0.003	0.219	0.020	73.927	TRUE	4.07E-17
FEV1	MAP3K5	cg07868909	rs3765259	T	C	-0.299	0.038	0.478	1.73E-15	-0.001	0.002	0.729	0.017	63.320	TRUE	3.72E-15
FEV1	MAP3K5	cg07868909	rs3903660	C	T	-0.713	0.022	0.399	8.28E-225	-0.005	0.002	0.058	0.217	1023.997	TRUE	2.26E-202
FEV1	MAP3K5	cg07868909	rs56167634	G	A	0.421	0.073	0.070	7.90E-09	0.009	0.005	0.052	0.009	33.281	TRUE	2.93E-08

FEV1	MAP3K5	cg07868909	rs72979569	T	A	-0.588	0.079	0.059	7.10E-14	0.002	0.005	0.730	0.015	56.010	TRUE	1.39E-13
FEV1	MAP3K5	cg07868909	rs9389421	C	A	-0.218	0.037	0.450	3.48E-09	-0.002	0.002	0.373	0.009	34.876	TRUE	7.26E-09
FEV1	MAP3K5	cg09732335	rs17710825	G	A	-0.250	0.039	0.122	1.06E-10	-0.002	0.004	0.596	0.011	41.691	TRUE	1.95E-10
FEV1	MAP3K5	cg09732335	rs2237271	C	A	0.751	0.034	0.169	1.67E-108	0.003	0.003	0.421	0.117	489.420	TRUE	2.27E-102
FEV1	MAP3K5	cg09732335	rs6912539	A	G	0.268	0.026	0.401	3.75E-25	-0.004	0.002	0.075	0.028	107.280	TRUE	6.24E-24
FEV1	MAP3K5	cg10599345	rs141914751	G	A	-0.543	0.073	0.033	1.05E-13	0.005	0.007	0.494	0.015	55.245	TRUE	2.61E-13
FEV1	MAP3K5	cg10599345	rs17654215	C	T	-0.587	0.069	0.079	1.81E-17	-0.007	0.004	0.102	0.019	72.300	TRUE	1.24E-16
FEV1	MAP3K5	cg10599345	rs17710825	G	A	0.352	0.039	0.122	6.91E-20	-0.002	0.004	0.596	0.022	83.295	TRUE	2.25E-19
FEV1	MAP3K5	cg10599345	rs3734552	A	G	-0.822	0.022	0.401	<1E-200	-0.005	0.002	0.061	0.279	1431.658	TRUE	2.00E-274
FEV1	MAP3K5	cg10599345	rs3765259	T	C	-0.257	0.038	0.478	8.67E-12	-0.001	0.002	0.729	0.012	46.584	TRUE	1.52E-11
FEV1	MAP3K5	cg10599345	rs56231994	G	C	0.331	0.046	0.074	9.50E-13	0.002	0.004	0.632	0.014	50.917	TRUE	1.92E-12
FEV1	MAP3K5	cg10599345	rs62420741	T	C	0.284	0.025	0.494	1.18E-29	0.003	0.002	0.258	0.033	127.826	TRUE	1.63E-28
FEV1	MAP3K5	cg10599345	rs72979569	T	A	-0.562	0.079	0.059	8.62E-13	0.002	0.005	0.730	0.014	51.108	TRUE	1.59E-12
FEV1	MAP3K5	cg15804973	rs13220892	G	C	0.273	0.039	0.118	4.07E-12	-0.003	0.004	0.476	0.013	48.062	TRUE	9.31E-12
FEV1	MAP3K5	cg15804973	rs62420741	T	C	0.150	0.025	0.494	3.29E-09	0.003	0.002	0.258	0.009	34.985	TRUE	8.15E-09
FEV1	MAP3K5	cg15804973	rs9402845	A	G	-0.476	0.025	0.398	5.25E-79	-0.004	0.003	0.092	0.087	353.973	TRUE	1.33E-74
FEV1	MAP3K5	cg16581840	rs9321570	G	C	-0.143	0.026	0.401	3.68E-08	-0.005	0.002	0.050	0.008	30.292	TRUE	1.27E-07
FEV1	MAP3K5	cg21506299	rs1022690	T	C	0.298	0.025	0.430	7.76E-32	-0.005	0.002	0.035	0.036	137.800	TRUE	3.62E-30
FEV1	MAP3K5	cg21506299	rs7765827	T	C	0.142	0.026	0.429	3.97E-08	-0.002	0.002	0.311	0.008	30.145	TRUE	8.26E-08
FEV1	MAP3K5	cg24451117	rs4524621	G	C	0.280	0.026	0.399	3.52E-27	-0.004	0.002	0.070	0.031	116.532	TRUE	7.53E-26
FEV1	MAP3K5	cg24999105	rs932589	T	C	0.445	0.025	0.422	7.38E-71	-0.006	0.002	0.022	0.079	316.584	TRUE	1.20E-66
FEV1	MAP3K5	cg24999105	rs9385778	T	C	0.194	0.026	0.429	7.18E-14	-0.003	0.002	0.262	0.015	55.987	TRUE	2.46E-13
FEV1	MAPK7	cg13832201	rs7501702	G	A	-0.209	0.029	0.214	5.05E-13	0.006	0.003	0.027	0.014	52.156	TRUE	3.51E-12
FEV1	MAPK9	cg00262681	rs11249685	A	G	-0.230	0.038	0.116	9.27E-10	0.002	0.004	0.642	0.010	37.453	TRUE	1.58E-09
FEV1	MAPK9	cg00262681	rs114321626	G	A	-0.670	0.101	0.026	3.52E-11	0.007	0.007	0.332	0.012	43.842	TRUE	8.92E-11
FEV1	MAPK9	cg00262681	rs11739624	T	C	0.847	0.020	0.401	<1E-200	0.000	0.002	0.864	0.325	1784.708	TRUE	<1E-200
FEV1	MAPK9	cg00262681	rs11741142	C	T	-0.196	0.028	0.222	2.57E-12	0.002	0.003	0.610	0.013	48.966	TRUE	5.21E-12
FEV1	MAPK9	cg00262681	rs11745042	T	C	-0.361	0.060	0.038	1.39E-09	-0.010	0.006	0.115	0.010	36.664	TRUE	4.47E-09
FEV1	MAPK9	cg00262681	rs11749727	C	T	0.157	0.024	0.388	7.04E-11	0.004	0.002	0.104	0.011	42.484	TRUE	2.70E-10
FEV1	MAPK9	cg00262681	rs12522221	G	A	0.412	0.041	0.089	2.88E-24	-0.006	0.004	0.133	0.027	103.247	TRUE	3.31E-23
FEV1	MAPK9	cg00262681	rs141292449	A	C	0.768	0.093	0.015	1.56E-16	0.023	0.010	0.025	0.018	68.056	TRUE	1.59E-15
FEV1	MAPK9	cg00262681	rs147810650	T	C	0.826	0.090	0.037	3.12E-20	0.007	0.006	0.308	0.022	84.864	TRUE	1.61E-19
FEV1	MAPK9	cg00262681	rs2028725	G	A	-0.275	0.032	0.159	3.63E-18	0.001	0.003	0.770	0.020	75.471	TRUE	8.68E-18
FEV1	MAPK9	cg00262681	rs2890346	C	G	-0.137	0.025	0.344	2.96E-08	0.002	0.002	0.351	0.008	30.720	TRUE	6.06E-08
FEV1	MAPK9	cg00262681	rs34351120	C	T	0.516	0.033	0.153	1.05E-56	0.004	0.003	0.215	0.064	251.669	TRUE	3.67E-54
FEV1	MAPK9	cg00262681	rs55880280	T	C	0.208	0.036	0.280	9.08E-09	0.001	0.003	0.839	0.009	33.010	TRUE	1.25E-08
FEV1	MAPK9	cg00262681	rs6896347	A	G	0.382	0.043	0.079	1.01E-18	-0.001	0.004	0.889	0.021	77.996	TRUE	2.21E-18
FEV1	MAPK9	cg00262681	rs76583740	T	C	-0.682	0.068	0.036	7.71E-24	-0.001	0.007	0.843	0.027	101.296	TRUE	2.45E-23
FEV1	MAPK9	cg00262681	rs7702282	A	G	-0.925	0.022	0.295	<1E-200	0.000	0.003	0.959	0.327	1797.993	TRUE	<1E-200
FEV1	MAPK9	cg00262681	rs882702	T	C	0.146	0.024	0.427	1.38E-09	-0.011	0.002	5.82E-06	0.010	36.681	TRUE	2.36E-08
FEV1	MAPK9	cg01192746	rs35703820	T	C	0.476	0.032	0.157	1.47E-49	-0.008	0.003	0.012	0.056	218.915	TRUE	1.22E-46
FEV1	MAPK9	cg01192746	rs7719192	G	A	-0.407	0.030	0.183	7.53E-42	0.002	0.003	0.464	0.047	183.604	TRUE	2.12E-40

FEV1	MAPK9	cg03605361	rs17628029	C	T	0.196	0.028	0.208	5.63E-12	0.006	0.003	0.030	0.013	47.428	TRUE	3.32E-11
FEV1	MAPK9	cg19810457	rs111531999	A	G	-0.349	0.048	0.072	2.36E-13	-0.003	0.005	0.597	0.014	53.655	TRUE	5.09E-13
FEV1	MAPK9	cg19810457	rs112412514	A	G	-0.502	0.077	0.026	8.81E-11	0.006	0.007	0.405	0.011	42.048	TRUE	1.98E-10
FEV1	MAPK9	cg19810457	rs113469619	T	C	-0.655	0.090	0.017	2.93E-13	0.009	0.009	0.322	0.014	53.223	TRUE	8.74E-13
FEV1	MAPK9	cg19810457	rs113809091	G	A	-1.211	0.130	0.020	9.47E-21	0.002	0.010	0.848	0.023	87.223	TRUE	2.45E-20
FEV1	MAPK9	cg19810457	rs185821264	C	T	-0.347	0.052	0.054	1.87E-11	0.006	0.006	0.319	0.012	45.081	TRUE	4.92E-11
FEV1	MAPK9	cg19810457	rs74446612	A	G	-1.152	0.085	0.018	1.31E-41	0.006	0.009	0.492	0.047	182.508	TRUE	3.37E-40
FEV1	MAZ	cg27338089	rs1057452	A	G	0.248	0.033	0.143	2.55E-14	-0.008	0.003	0.013	0.015	58.025	TRUE	2.41E-13
FEV1	MBD6	cg09687907	rs7964074	C	T	0.213	0.035	0.139	1.02E-09	0.006	0.003	0.063	0.010	37.259	TRUE	3.92E-09
FEV1	MBD6	cg14315430	rs1148554	T	C	0.263	0.035	0.137	7.03E-14	0.006	0.003	0.059	0.015	56.031	TRUE	4.13E-13
FEV1	MBD6	cg19520710	rs1148554	T	C	0.234	0.035	0.137	2.78E-11	0.006	0.003	0.059	0.012	44.302	TRUE	1.27E-10
FEV1	MCL1	cg02961109	rs4970935	C	T	0.174	0.027	0.257	1.51E-10	0.016	0.003	4.11E-09	0.011	40.999	TRUE	6.45E-09
FEV1	MCL1	cg02961109	rs4971020	T	C	0.149	0.024	0.363	7.91E-10	0.010	0.003	5.97E-05	0.010	37.762	TRUE	1.02E-08
FEV1	MCL1	cg02961109	rs6587756	A	T	0.214	0.025	0.340	3.51E-18	0.019	0.003	3.28E-15	0.020	75.537	TRUE	3.22E-15
FEV1	MCL1	cg13175981	rs10305667	T	C	-0.393	0.027	0.236	2.03E-48	0.013	0.003	2.11E-06	0.055	213.694	TRUE	2.43E-44
FEV1	MCL1	cg13175981	rs114221421	A	G	0.408	0.071	0.027	9.23E-09	-0.007	0.007	0.363	0.009	32.979	TRUE	1.90E-08
FEV1	MCL1	cg13175981	rs12135409	T	C	0.198	0.029	0.209	8.03E-12	-0.006	0.003	0.050	0.012	46.732	TRUE	3.98E-11
FEV1	MCL1	cg13175981	rs12731738	T	C	0.309	0.028	0.219	3.51E-28	-0.015	0.003	1.91E-07	0.032	121.101	TRUE	2.72E-25
FEV1	MCL1	cg13175981	rs145713490	T	C	0.368	0.042	0.086	9.26E-19	-0.010	0.004	0.023	0.021	78.169	TRUE	1.23E-17
FEV1	MCL1	cg13175981	rs146939323	A	G	-0.580	0.106	0.028	4.61E-08	0.012	0.007	0.081	0.008	29.859	TRUE	1.40E-07
FEV1	MCL1	cg13175981	rs200492635	G	T	-0.413	0.043	0.073	1.34E-21	0.015	0.004	5.64E-04	0.024	91.084	TRUE	6.66E-20
FEV1	MCL1	cg13175981	rs267733	G	A	0.262	0.032	0.155	4.07E-16	-0.006	0.003	0.061	0.018	66.169	TRUE	2.96E-15
FEV1	MCL1	cg13175981	rs3738484	G	T	-0.710	0.021	0.443	1.64E-239	0.020	0.002	5.88E-18	0.228	1091.608	TRUE	3.60E-206
FEV1	MCL1	cg13175981	rs3754208	C	A	0.384	0.044	0.074	4.24E-18	-0.001	0.004	0.779	0.020	75.164	TRUE	1.00E-17
FEV1	MCL1	cg13175981	rs41300863	G	A	-0.430	0.052	0.047	1.50E-16	0.010	0.005	0.059	0.018	68.130	TRUE	1.17E-15
FEV1	MCL1	cg13175981	rs4970934	G	A	-0.184	0.027	0.257	5.76E-12	0.006	0.003	0.020	0.013	47.384	TRUE	3.67E-11
FEV1	MCL1	cg13175981	rs4970944	G	A	-0.266	0.025	0.307	4.78E-27	0.007	0.003	0.010	0.030	115.927	TRUE	2.18E-25
FEV1	MCL1	cg13175981	rs60162170	A	G	0.266	0.035	0.119	3.90E-14	0.005	0.004	0.191	0.015	57.185	TRUE	1.53E-13
FEV1	MCL1	cg13175981	rs72700826	T	C	-0.333	0.044	0.072	7.10E-14	0.010	0.004	0.022	0.015	56.009	TRUE	5.50E-13
FEV1	MCL1	cg13175981	rs77604525	G	T	-0.484	0.037	0.098	7.80E-40	0.022	0.004	5.67E-09	0.045	174.379	TRUE	9.23E-36
FEV1	MCL1	cg17724175	rs1045298	T	C	0.312	0.032	0.156	3.73E-22	-0.008	0.003	0.020	0.025	93.616	TRUE	7.58E-21
FEV1	MCL1	cg17724175	rs10788797	G	A	-0.277	0.037	0.114	6.77E-14	-0.002	0.004	0.607	0.015	56.104	TRUE	1.49E-13
FEV1	MCL1	cg17724175	rs111428433	T	C	-0.458	0.048	0.062	2.66E-21	-0.020	0.005	9.23E-05	0.024	89.736	TRUE	2.00E-19
FEV1	MCL1	cg17724175	rs11204671	T	C	0.804	0.021	0.340	5.14E-293	0.019	0.003	4.74E-15	0.277	1415.853	TRUE	2.86E-263
FEV1	MCL1	cg17724175	rs11205354	A	C	0.374	0.023	0.444	1.51E-58	0.007	0.002	0.005	0.066	260.108	TRUE	6.62E-55
FEV1	MCL1	cg17724175	rs114529840	G	T	0.320	0.052	0.048	8.04E-10	0.010	0.005	0.052	0.010	37.729	TRUE	3.24E-09
FEV1	MCL1	cg17724175	rs115183610	C	T	0.746	0.111	0.014	2.17E-11	-0.006	0.011	0.576	0.012	44.783	TRUE	4.29E-11
FEV1	MCL1	cg17724175	rs116293136	A	G	0.773	0.131	0.020	3.49E-09	0.011	0.008	0.136	0.009	34.873	TRUE	1.03E-08
FEV1	MCL1	cg17724175	rs11803990	G	C	-0.468	0.044	0.077	1.50E-26	-0.001	0.004	0.865	0.030	113.654	TRUE	5.57E-26
FEV1	MCL1	cg17724175	rs11806477	T	C	-0.187	0.024	0.382	1.33E-14	0.002	0.002	0.517	0.016	59.307	TRUE	3.44E-14
FEV1	MCL1	cg17724175	rs12143614	A	T	-0.475	0.037	0.120	3.34E-37	-0.008	0.004	0.022	0.042	162.336	TRUE	3.67E-35
FEV1	MCL1	cg17724175	rs140386498	T	A	0.779	0.096	0.017	3.57E-16	0.017	0.010	0.097	0.018	66.424	TRUE	2.20E-15

FEV1	MCL1	cg17724175	rs140729194	G	C	-0.412	0.054	0.049	2.69E-14	-0.012	0.006	0.036	0.015	57.918	TRUE	1.89E-13
FEV1	MCL1	cg17724175	rs141156871	G	T	0.821	0.089	0.021	3.49E-20	0.001	0.008	0.873	0.022	84.644	TRUE	8.47E-20
FEV1	MCL1	cg17724175	rs142094124	A	G	0.744	0.045	0.067	7.47E-61	-0.016	0.005	4.36E-04	0.068	270.687	TRUE	1.62E-56
FEV1	MCL1	cg17724175	rs17646887	A	G	0.857	0.082	0.046	9.23E-26	0.008	0.006	0.187	0.029	110.060	TRUE	1.01E-24
FEV1	MCL1	cg17724175	rs1811698	T	C	-0.356	0.038	0.101	6.19E-21	0.008	0.004	0.037	0.023	88.064	TRUE	8.65E-20
FEV1	MCL1	cg17724175	rs2067606	G	A	0.207	0.027	0.244	5.14E-14	-0.005	0.003	0.064	0.015	56.645	TRUE	3.08E-13
FEV1	MCL1	cg17724175	rs3738320	G	A	0.369	0.028	0.218	4.25E-40	0.009	0.003	8.38E-04	0.045	175.587	TRUE	2.57E-37
FEV1	MCL1	cg17724175	rs525676	T	C	-0.445	0.064	0.038	4.84E-12	-0.009	0.006	0.147	0.013	47.723	TRUE	1.80E-11
FEV1	MCL1	cg17724175	rs6659770	T	C	0.499	0.027	0.257	9.67E-79	0.006	0.003	0.023	0.087	352.756	TRUE	5.99E-74
FEV1	MCL1	cg17724175	rs7364686	A	G	0.460	0.025	0.313	9.17E-76	0.016	0.003	3.96E-09	0.084	339.095	TRUE	1.89E-68
FEV1	MCL1	cg17724175	rs771201	C	T	0.347	0.024	0.385	5.93E-47	0.001	0.002	0.566	0.053	206.974	TRUE	2.39E-45
FEV1	MCL1	cg18016565	rs11204671	T	C	0.320	0.024	0.340	1.92E-39	0.019	0.003	4.74E-15	0.045	172.593	TRUE	1.88E-34
FEV1	MCL1	cg18016565	rs6693567	C	T	0.193	0.027	0.261	6.96E-13	0.016	0.003	3.96E-09	0.014	51.529	TRUE	5.61E-11
FEV1	MCL1	cg18016565	rs75952620	C	T	0.353	0.040	0.084	7.69E-19	0.020	0.004	1.02E-06	0.021	78.535	TRUE	8.60E-17
FEV1	MEFV	cg03919650	rs220377	C	G	-0.312	0.027	0.224	5.31E-30	-0.011	0.003	2.25E-05	0.034	129.415	TRUE	1.92E-27
FEV1	MEFV	cg05388963	rs1235946	C	T	-0.294	0.029	0.201	1.24E-24	0.005	0.003	0.094	0.028	104.907	TRUE	1.78E-23
FEV1	MEFV	cg05554494	rs17136317	A	T	-0.376	0.027	0.227	1.24E-43	-0.011	0.003	4.57E-05	0.049	191.764	TRUE	3.18E-40
FEV1	MEFV	cg08260052	rs11645732	A	C	0.301	0.051	0.053	4.59E-09	0.006	0.005	0.227	0.009	34.335	TRUE	1.16E-08
FEV1	MEFV	cg08260052	rs224217	A	G	-0.823	0.019	0.463	<1E-200	-0.005	0.002	0.036	0.330	1824.058	TRUE	<1E-200
FEV1	MEFV	cg08260052	rs382073	T	G	0.159	0.024	0.383	6.95E-11	-0.002	0.002	0.449	0.011	42.510	TRUE	1.50E-10
FEV1	MEFV	cg08260052	rs62032729	C	G	-0.147	0.027	0.266	3.13E-08	0.005	0.003	0.066	0.008	30.610	TRUE	1.02E-07
FEV1	MEFV	cg08260052	rs67218524	T	G	0.193	0.026	0.297	5.52E-14	0.007	0.003	0.011	0.015	56.506	TRUE	5.07E-13
FEV1	MEFV	cg08260052	rs77260057	C	G	-0.351	0.043	0.080	2.25E-16	-0.010	0.004	0.010	0.018	67.335	TRUE	2.93E-15
FEV1	MEFV	cg08781710	rs224215	G	A	-0.215	0.032	0.392	2.75E-11	-0.007	0.003	0.006	0.012	44.321	TRUE	2.12E-10
FEV1	MEFV	cg11660537	rs1149487	T	C	-0.351	0.029	0.203	3.46E-34	0.005	0.003	0.106	0.039	148.545	TRUE	1.25E-32
FEV1	MEFV	cg11660537	rs220381	G	A	0.197	0.033	0.351	3.69E-09	0.004	0.003	0.128	0.009	34.764	TRUE	1.08E-08
FEV1	MET	cg01921059	rs11979704	A	G	-1.203	0.106	0.011	4.03E-30	-0.010	0.011	0.334	0.034	129.963	TRUE	4.68E-29
FEV1	MET	cg01921059	rs12673233	G	A	-0.794	0.053	0.047	1.99E-50	0.000	0.005	0.991	0.057	222.895	TRUE	5.40E-49
FEV1	MET	cg01921059	rs2237712	G	A	-1.798	0.059	0.038	4.95E-205	-0.007	0.006	0.290	0.201	933.065	TRUE	8.76E-187
FEV1	MET	cg01921059	rs42230	C	T	-0.198	0.024	0.400	4.59E-16	0.005	0.002	0.047	0.018	65.930	TRUE	3.54E-15
FEV1	MET	cg19958057	rs10227421	C	T	-0.194	0.035	0.122	3.39E-08	0.004	0.004	0.243	0.008	30.452	TRUE	7.74E-08
FEV1	MET	cg24197567	rs41785	A	C	-0.161	0.024	0.420	2.73E-11	-0.004	0.002	0.064	0.012	44.339	TRUE	1.21E-10
FEV1	MET	cg24197567	rs437	C	T	0.153	0.027	0.262	8.36E-09	0.007	0.003	0.011	0.009	33.171	TRUE	4.23E-08
FEV1	MET	cg24627299	rs437	C	T	0.256	0.027	0.262	5.18E-22	0.007	0.003	0.011	0.025	92.968	TRUE	1.23E-20
FEV1	MET	cg25299676	rs145400702	T	C	0.659	0.118	0.013	2.34E-08	0.006	0.010	0.525	0.008	31.174	TRUE	4.04E-08
FEV1	MET	cg25299676	rs38840	T	C	0.510	0.041	0.172	7.34E-35	0.007	0.003	0.028	0.039	151.626	TRUE	5.74E-33
FEV1	MET	cg25299676	rs41781	C	T	0.147	0.025	0.357	4.40E-09	0.005	0.002	0.032	0.009	34.421	TRUE	1.88E-08
FEV1	MET	cg25299676	rs73716755	C	G	-0.350	0.058	0.042	1.61E-09	-0.002	0.006	0.730	0.010	36.378	TRUE	2.53E-09
FEV1	MET	cg27472701	rs38849	C	G	-0.198	0.027	0.249	2.04E-13	0.006	0.003	0.042	0.014	53.936	TRUE	1.28E-12
FEV1	MIA	cg24083702	rs12052092	A	T	-0.142	0.024	0.338	6.06E-09	-0.003	0.003	0.199	0.009	33.797	TRUE	1.56E-08
FEV1	MIA	cg24083702	rs2233153	C	G	1.008	0.053	0.049	1.06E-80	-0.020	0.006	3.31E-04	0.089	361.753	TRUE	9.68E-75
FEV1	MIA	cg24083702	rs3745210	A	G	0.171	0.026	0.296	3.09E-11	-0.004	0.003	0.152	0.012	44.098	TRUE	1.09E-10

FEV1	MIA	cg24083702	rs79436912	G	A	0.430	0.042	0.082	2.33E-24	-0.004	0.004	0.299	0.027	103.661	TRUE	1.71E-23
FEV1	MIR210	cg02471760	rs10902179	C	T	0.667	0.051	0.052	1.60E-39	0.002	0.005	0.629	0.045	172.952	TRUE	2.57E-38
FEV1	MIR210	cg02471760	rs143705409	G	A	0.395	0.066	0.037	2.58E-09	0.011	0.006	0.058	0.009	35.461	TRUE	9.69E-09
FEV1	MIR210	cg03880841	rs10902177	G	A	-0.297	0.035	0.122	1.14E-17	-0.003	0.004	0.427	0.019	73.211	TRUE	4.05E-17
FEV1	MIR210	cg03880841	rs7935908	G	A	-0.144	0.024	0.385	2.52E-09	-0.006	0.002	0.021	0.010	35.505	TRUE	1.21E-08
FEV1	MIR210	cg08200293	rs12280851	C	G	-0.323	0.024	0.398	4.98E-42	-0.005	0.002	0.025	0.047	184.428	TRUE	9.37E-40
FEV1	MIR210	cg08200293	rs12806062	A	G	-0.248	0.037	0.126	1.71E-11	-0.002	0.004	0.571	0.012	45.250	TRUE	3.43E-11
FEV1	MIR210	cg08200293	rs7124601	A	C	-0.180	0.024	0.470	4.14E-14	0.001	0.002	0.819	0.015	57.070	TRUE	7.50E-14
FEV1	MIR210	cg15482500	rs10902177	G	A	-0.271	0.035	0.122	5.46E-15	-0.003	0.004	0.427	0.016	61.056	TRUE	1.60E-14
FEV1	MIR210	cg15482500	rs7935908	G	A	-0.140	0.024	0.385	8.14E-09	-0.006	0.002	0.021	0.009	33.223	TRUE	3.69E-08
FEV1	MIR210	cg27193691	rs12360820	A	C	-0.345	0.030	0.168	4.65E-30	-0.004	0.003	0.213	0.034	129.679	TRUE	7.30E-29
FEV1	MIR210	cg27193691	rs12792669	G	T	-0.162	0.024	0.390	3.18E-11	-0.005	0.002	0.053	0.012	44.040	TRUE	1.47E-10
FEV1	MIR210	cg27193691	rs74233908	A	G	-0.323	0.050	0.056	7.13E-11	-0.001	0.005	0.882	0.011	42.459	TRUE	1.05E-10
FEV1	MMP9	cg00182727	rs35567443	C	T	-0.333	0.024	0.425	8.25E-44	-0.005	0.002	0.035	0.049	192.581	TRUE	1.67E-41
FEV1	MMP9	cg04145601	rs112921409	A	C	0.180	0.024	0.423	3.09E-14	0.004	0.002	0.078	0.015	57.647	TRUE	1.71E-13
FEV1	MMP9	cg04145601	rs13038175	A	G	0.272	0.036	0.118	7.92E-14	0.007	0.004	0.066	0.015	55.796	TRUE	4.47E-13
FEV1	MMP9	cg04145601	rs2425760	A	T	0.185	0.034	0.139	4.18E-08	0.007	0.003	0.028	0.008	30.046	TRUE	1.61E-07
FEV1	MMP9	cg04145601	rs3918253	C	T	-0.453	0.024	0.425	1.96E-81	-0.005	0.002	0.023	0.090	365.122	TRUE	1.96E-76
FEV1	MMP9	cg04656101	rs2297198	T	C	-0.216	0.029	0.194	1.48E-13	-0.006	0.003	0.058	0.015	54.570	TRUE	8.71E-13
FEV1	MMP9	cg04656101	rs3918253	C	T	-0.326	0.024	0.425	2.93E-42	-0.005	0.002	0.023	0.048	185.481	TRUE	5.99E-40
FEV1	MMP9	cg04656101	rs4810488	A	C	-0.194	0.030	0.191	5.57E-11	-0.006	0.003	0.030	0.011	42.942	TRUE	2.88E-10
FEV1	MMP9	cg04656101	rs77880402	C	T	0.207	0.035	0.125	5.03E-09	0.007	0.004	0.066	0.009	34.159	TRUE	1.78E-08
FEV1	MMP9	cg09149648	rs2250889	G	C	0.387	0.058	0.042	2.98E-11	0.003	0.006	0.649	0.012	44.164	TRUE	5.47E-11
FEV1	MMP9	cg17664577	rs148773337	A	C	-0.424	0.073	0.022	7.36E-09	-0.009	0.008	0.293	0.009	33.420	TRUE	1.65E-08
FEV1	MMP9	cg17664577	rs35567443	C	T	-0.370	0.024	0.425	5.48E-54	-0.005	0.002	0.035	0.061	239.211	TRUE	4.48E-51
FEV1	MMP9	cg17664577	rs56324610	C	G	-0.157	0.025	0.339	1.88E-10	-0.003	0.003	0.216	0.011	40.563	TRUE	5.22E-10
FEV1	MMP9	cg20674635	rs112033225	A	G	0.381	0.057	0.043	3.43E-11	0.004	0.006	0.440	0.012	43.891	TRUE	7.63E-11
FEV1	MMP9	cg20674635	rs112059592	G	T	-0.407	0.075	0.026	4.76E-08	0.001	0.007	0.943	0.008	29.796	TRUE	5.99E-08
FEV1	MMP9	cg20674635	rs13038175	A	G	0.231	0.036	0.118	2.07E-10	0.007	0.004	0.066	0.011	40.381	TRUE	8.37E-10
FEV1	MMP9	cg20674635	rs2250889	G	C	-0.327	0.059	0.042	3.12E-08	0.003	0.006	0.649	0.008	30.616	TRUE	4.88E-08
FEV1	MMP9	cg20674635	rs3918256	G	A	-0.605	0.023	0.425	5.79E-150	-0.005	0.002	0.021	0.155	679.920	TRUE	5.95E-138
FEV1	MMP9	cg20674635	rs3918278	A	G	-0.572	0.084	0.023	8.55E-12	-0.012	0.008	0.147	0.012	46.611	TRUE	3.11E-11
FEV1	MMP9	cg20674635	rs4810488	A	C	-0.203	0.030	0.191	7.34E-12	-0.006	0.003	0.030	0.013	46.908	TRUE	4.16E-11
FEV1	MMP9	cg20674635	rs56279239	A	G	0.290	0.036	0.126	3.41E-16	-0.004	0.004	0.284	0.018	66.516	TRUE	1.33E-15
FEV1	MMP9	cg20674635	rs6074009	T	C	-0.196	0.030	0.187	5.95E-11	0.001	0.003	0.655	0.011	42.812	TRUE	1.07E-10
FEV1	MMP9	cg20674635	rs6130946	C	T	-0.202	0.036	0.117	2.59E-08	-0.001	0.004	0.720	0.008	30.979	TRUE	3.86E-08
FEV1	MMP9	cg20674635	rs7264209	C	T	0.311	0.056	0.045	2.28E-08	0.003	0.006	0.587	0.008	31.227	TRUE	3.76E-08
FEV1	MMP9	cg20674635	rs77617917	A	G	-0.244	0.044	0.075	2.56E-08	0.005	0.004	0.297	0.008	30.999	TRUE	5.53E-08
FEV1	MMP9	cg20674635	rs77727017	T	G	-0.277	0.036	0.118	2.36E-14	-0.003	0.004	0.405	0.015	58.172	TRUE	6.79E-14
FEV1	MMP9	cg20674635	rs79439130	A	G	-0.435	0.058	0.040	7.55E-14	-0.011	0.006	0.058	0.015	55.890	TRUE	4.40E-13
FEV1	MMP9	cg23303369	rs112059592	G	T	-0.513	0.075	0.026	6.27E-12	0.001	0.007	0.943	0.013	47.218	TRUE	9.22E-12
FEV1	MMP9	cg23303369	rs1128536	A	G	-0.143	0.026	0.291	2.69E-08	-0.002	0.003	0.459	0.008	30.902	TRUE	4.89E-08

FEV1	MMP9	cg23303369	rs113562688	A	G	-0.303	0.036	0.116	6.84E-17	-0.003	0.004	0.340	0.018	69.681	TRUE	2.63E-16
FEV1	MMP9	cg23303369	rs12373874	A	G	-0.530	0.096	0.030	3.30E-08	-0.004	0.007	0.536	0.008	30.509	TRUE	5.61E-08
FEV1	MMP9	cg23303369	rs13038175	A	G	0.330	0.036	0.118	1.05E-19	0.007	0.004	0.066	0.022	82.461	TRUE	1.05E-18
FEV1	MMP9	cg23303369	rs148773337	A	C	-0.453	0.073	0.022	6.02E-10	-0.009	0.008	0.293	0.010	38.294	TRUE	1.47E-09
FEV1	MMP9	cg23303369	rs2250889	G	C	-0.418	0.059	0.042	1.39E-12	0.003	0.006	0.649	0.013	50.166	TRUE	2.75E-12
FEV1	MMP9	cg23303369	rs3918256	G	A	-0.749	0.023	0.425	3.10E-242	-0.005	0.002	0.021	0.230	1104.131	TRUE	2.08E-216
FEV1	MMP9	cg23303369	rs3918278	A	G	-0.528	0.084	0.023	3.14E-10	-0.012	0.008	0.147	0.011	39.563	TRUE	9.98E-10
FEV1	MMP9	cg23303369	rs3933240	T	C	0.277	0.046	0.069	2.43E-09	-0.009	0.005	0.059	0.010	35.579	TRUE	9.14E-09
FEV1	MMP9	cg23303369	rs4810488	A	C	-0.245	0.030	0.191	1.33E-16	-0.006	0.003	0.030	0.018	68.373	TRUE	1.24E-15
FEV1	MMP9	cg23303369	rs55943410	T	C	0.410	0.044	0.079	7.25E-21	-0.001	0.005	0.769	0.023	87.750	TRUE	2.06E-20
FEV1	MMP9	cg23303369	rs6017575	G	A	-0.180	0.031	0.176	4.17E-09	-0.006	0.003	0.048	0.009	34.525	TRUE	1.60E-08
FEV1	MMP9	cg23303369	rs6074009	T	C	-0.236	0.030	0.187	3.86E-15	0.001	0.003	0.655	0.016	61.737	TRUE	8.79E-15
FEV1	MMP9	cg23303369	rs73112805	G	T	0.339	0.053	0.050	1.17E-10	0.005	0.005	0.364	0.011	41.494	TRUE	2.77E-10
FEV1	MMP9	cg23303369	rs77202366	T	C	0.418	0.057	0.044	1.86E-13	0.004	0.005	0.415	0.014	54.119	TRUE	4.97E-13
FEV1	MMP9	cg23303369	rs79439130	A	G	-0.388	0.058	0.040	2.61E-11	-0.011	0.006	0.058	0.012	44.422	TRUE	1.19E-10
FEV1	MMP9	cg23303369	rs9509	C	T	-0.389	0.070	0.030	3.03E-08	0.007	0.008	0.391	0.008	30.674	TRUE	5.88E-08
FEV1	MMP9	cg23353432	rs13969	A	C	-0.255	0.024	0.388	1.69E-25	-0.007	0.002	0.006	0.029	108.866	TRUE	7.12E-24
FEV1	MMP9	cg26132320	rs143834352	T	G	-0.674	0.123	0.015	3.98E-08	0.004	0.009	0.643	0.008	30.144	TRUE	6.20E-08
FEV1	MMP9	cg26132320	rs3918256	G	A	-0.423	0.024	0.425	3.70E-71	-0.005	0.002	0.021	0.079	317.957	TRUE	5.90E-67
FEV1	MMP9	cg26132320	rs7270170	A	G	0.156	0.024	0.455	3.44E-11	0.003	0.002	0.162	0.012	43.883	TRUE	1.17E-10
FEV1	MMP9	cg26132320	rs73112805	G	T	0.337	0.052	0.050	1.29E-10	0.005	0.005	0.364	0.011	41.303	TRUE	3.05E-10
FEV1	MNT	cg27406664	rs118003502	T	A	0.542	0.070	0.025	8.40E-15	0.002	0.008	0.765	0.016	60.207	TRUE	1.67E-14
FEV1	MNT	cg27406664	rs12951951	C	T	0.378	0.026	0.256	2.90E-46	0.004	0.003	0.114	0.052	203.817	TRUE	4.00E-44
FEV1	MNT	cg27406664	rs1970835	G	A	0.576	0.025	0.278	3.09E-113	0.005	0.003	0.073	0.121	511.160	TRUE	8.81E-106
FEV1	MNT	cg27406664	rs216175	C	A	0.402	0.032	0.159	2.51E-36	0.013	0.003	1.85E-05	0.041	158.329	TRUE	2.62E-33
FEV1	MNT	cg27406664	rs216205	C	T	-0.395	0.027	0.247	5.00E-48	0.004	0.003	0.156	0.054	211.898	TRUE	7.05E-46
FEV1	MNT	cg27406664	rs2317225	G	A	0.139	0.024	0.395	7.00E-09	0.000	0.002	0.924	0.009	33.518	TRUE	9.17E-09
FEV1	MNT	cg27406664	rs2429918	A	C	0.715	0.111	0.028	1.34E-10	0.020	0.007	0.003	0.011	41.229	TRUE	1.14E-09
FEV1	MNT	cg27406664	rs2429919	A	C	0.896	0.019	0.386	<1E-200	0.006	0.003	0.014	0.370	2169.027	TRUE	<1E-200
FEV1	MNT	cg27406664	rs35110958	T	C	-0.196	0.027	0.245	1.66E-13	0.003	0.003	0.352	0.014	54.344	TRUE	4.81E-13
FEV1	MNT	cg27406664	rs373137716	C	A	0.264	0.027	0.246	1.11E-22	-0.005	0.003	0.090	0.025	96.025	TRUE	1.28E-21
FEV1	MNT	cg27406664	rs3752962	C	T	-0.275	0.025	0.313	9.51E-28	0.001	0.003	0.796	0.031	119.127	TRUE	4.16E-27
FEV1	MNT	cg27406664	rs3826335	A	G	0.562	0.090	0.045	3.92E-10	-0.005	0.006	0.364	0.010	39.133	TRUE	8.80E-10
FEV1	MNT	cg27406664	rs56836279	C	T	0.696	0.108	0.013	1.29E-10	0.018	0.009	0.064	0.011	41.296	TRUE	5.44E-10
FEV1	MNT	cg27406664	rs61733100	A	G	0.411	0.058	0.043	9.26E-13	0.000	0.006	0.979	0.014	50.967	TRUE	1.37E-12
FEV1	MNT	cg27406664	rs61742229	A	G	-0.551	0.064	0.090	6.21E-18	-0.008	0.004	0.057	0.020	74.413	TRUE	5.42E-17
FEV1	MNT	cg27406664	rs62067978	A	G	-0.191	0.029	0.194	5.91E-11	-0.008	0.003	0.008	0.011	42.828	TRUE	4.19E-10
FEV1	MNT	cg27406664	rs66494490	T	C	-0.515	0.054	0.046	2.05E-21	0.001	0.005	0.776	0.024	90.244	TRUE	5.97E-21
FEV1	MNT	cg27406664	rs72634004	G	C	0.355	0.038	0.118	5.33E-21	-0.001	0.004	0.747	0.023	88.360	TRUE	1.59E-20
FEV1	MNT	cg27406664	rs72824333	G	A	0.477	0.035	0.137	1.86E-43	0.002	0.004	0.663	0.049	190.966	TRUE	4.17E-42
FEV1	MNT	cg27406664	rs74415860	A	G	0.724	0.053	0.047	3.63E-42	0.005	0.005	0.326	0.048	185.056	TRUE	1.45E-40
FEV1	MNT	cg27406664	rs8080303	C	G	-0.295	0.024	0.416	1.68E-35	-0.007	0.002	0.006	0.040	154.551	TRUE	2.61E-33

FEV1	MPO	cg00473501	rs12602498	G	A	0.147	0.025	0.304	6.60E-09	0.001	0.003	0.694	0.009	33.630	TRUE	1.04E-08
FEV1	MPO	cg00473501	rs35966900	C	T	-0.256	0.032	0.158	1.76E-15	-0.005	0.003	0.104	0.017	63.284	TRUE	1.01E-14
FEV1	MPO	cg00473501	rs59651067	C	A	0.159	0.028	0.228	1.04E-08	0.004	0.003	0.201	0.009	32.750	TRUE	2.58E-08
FEV1	MPO	cg00473501	rs62083752	T	C	0.663	0.046	0.069	5.68E-47	-0.005	0.005	0.248	0.053	207.062	TRUE	4.99E-45
FEV1	MPO	cg02138358	rs34523089	T	C	0.218	0.034	0.163	2.45E-10	0.008	0.003	0.012	0.011	40.048	TRUE	1.50E-09
FEV1	MPO	cg02138358	rs36089182	T	A	0.370	0.057	0.050	1.01E-10	0.001	0.005	0.919	0.011	41.775	TRUE	1.45E-10
FEV1	MPO	cg04266202	rs11575868	T	C	-0.279	0.047	0.069	2.58E-09	-0.004	0.004	0.344	0.009	35.462	TRUE	5.67E-09
FEV1	MPO	cg04266202	rs34523089	T	C	0.288	0.034	0.163	5.24E-17	0.008	0.003	0.012	0.019	70.207	TRUE	6.97E-16
FEV1	MPO	cg04266202	rs36089182	T	A	0.452	0.057	0.050	2.42E-15	0.001	0.005	0.919	0.017	62.657	TRUE	4.28E-15
FEV1	MPO	cg08058156	rs35966900	C	T	0.218	0.032	0.158	1.48E-11	-0.005	0.003	0.104	0.012	45.531	TRUE	5.96E-11
FEV1	MPO	cg09421562	rs34523089	T	C	0.227	0.034	0.163	4.95E-11	0.008	0.003	0.012	0.012	43.174	TRUE	3.28E-10
FEV1	MPO	cg09421562	rs36089182	T	A	0.354	0.057	0.050	5.82E-10	0.001	0.005	0.919	0.010	38.359	TRUE	8.05E-10
FEV1	MPO	cg27456487	rs34523089	T	C	0.276	0.034	0.163	9.84E-16	0.008	0.003	0.012	0.017	64.428	TRUE	1.13E-14
FEV1	MPO	cg27456487	rs36089182	T	A	0.444	0.057	0.050	7.93E-15	0.001	0.005	0.919	0.016	60.320	TRUE	1.37E-14
FEV1	MT3	cg06213463	rs282236	A	G	-0.566	0.063	0.035	3.08E-19	0.011	0.006	0.066	0.021	80.343	TRUE	2.98E-18
FEV1	MT3	cg06213463	rs28391861	G	A	-0.311	0.036	0.117	1.36E-17	0.001	0.004	0.735	0.019	72.866	TRUE	3.28E-17
FEV1	MT3	cg06213463	rs415789	C	T	-0.230	0.039	0.207	3.07E-09	0.002	0.003	0.554	0.009	35.119	TRUE	5.43E-09
FEV1	MT3	cg06213463	rs4464073	T	C	0.223	0.029	0.210	2.19E-14	-0.004	0.003	0.191	0.016	58.325	TRUE	8.93E-14
FEV1	MT3	cg06213463	rs45540935	A	G	0.355	0.039	0.093	2.43E-19	-0.003	0.004	0.410	0.021	80.814	TRUE	9.88E-19
FEV1	MT3	cg06213463	rs4784695	T	G	-0.391	0.038	0.112	1.54E-24	-0.008	0.004	0.048	0.027	104.483	TRUE	2.87E-23
FEV1	MT3	cg06213463	rs58105980	G	A	0.278	0.043	0.165	1.15E-10	0.006	0.003	0.034	0.011	41.530	TRUE	5.73E-10
FEV1	MT3	cg06213463	rs62036968	T	C	-0.252	0.027	0.262	3.75E-21	0.000	0.003	0.975	0.024	89.052	TRUE	8.65E-21
FEV1	MT3	cg06213463	rs7195310	C	T	-0.687	0.023	0.334	5.47E-194	0.000	0.003	0.933	0.193	882.291	TRUE	1.52E-178
FEV1	MT3	cg06213463	rs9928338	T	A	-0.189	0.030	0.181	3.22E-10	0.001	0.003	0.809	0.011	39.516	TRUE	4.85E-10
FEV1	MT3	cg06213463	rs9939782	T	C	0.273	0.029	0.207	8.91E-22	-0.001	0.003	0.822	0.024	91.896	TRUE	2.51E-21
FEV1	MT3	cg09372728	rs12600038	A	G	-0.156	0.026	0.307	1.13E-09	-0.006	0.003	0.015	0.010	37.074	TRUE	6.01E-09
FEV1	MTF1	cg13567986	rs111956467	T	C	-0.215	0.030	0.197	5.01E-13	-0.009	0.003	0.002	0.014	52.172	TRUE	6.19E-12
FEV1	MTF1	cg13567986	rs1480343	T	C	0.288	0.042	0.092	1.01E-11	0.022	0.005	1.58E-06	0.012	46.275	TRUE	2.99E-10
FEV1	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	0.006	0.004	0.100	0.009	33.747	TRUE	1.95E-08
FEV1	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	-0.008	0.002	3.30E-04	0.010	37.260	TRUE	1.09E-08
FEV1	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	-0.006	0.002	0.016	0.016	58.608	TRUE	1.75E-13
FEV1	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	-0.006	0.007	0.395	0.012	43.052	TRUE	1.22E-10
FEV1	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	-0.005	0.006	0.425	0.008	29.937	TRUE	8.21E-08
FEV1	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	0.002	0.004	0.548	0.010	35.627	TRUE	4.25E-09
FEV1	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	0.006	0.003	0.025	0.011	40.101	TRUE	1.19E-09
FEV1	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	0.001	0.002	0.836	0.016	59.363	TRUE	2.38E-14
FEV1	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	0.016	0.004	2.40E-05	0.018	69.319	TRUE	3.83E-15
FEV1	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	-0.020	0.006	8.02E-04	0.020	73.825	TRUE	2.35E-16
FEV1	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	-0.012	0.004	0.005	0.011	42.813	TRUE	4.58E-10
FEV1	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	-0.008	0.002	3.63E-04	0.105	436.012	TRUE	1.67E-89
FEV1	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	0.003	0.003	0.231	0.009	34.701	TRUE	9.61E-09
FEV1	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	0.007	0.003	0.006	0.027	102.085	TRUE	1.84E-22

FEV1	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	-0.009	0.006	0.086	0.013	47.353	TRUE	2.55E-11
FEV1	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	0.002	0.003	0.578	0.027	103.029	TRUE	1.50E-23
FEV1	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	-0.008	0.003	0.002	0.034	131.110	TRUE	2.58E-28
FEV1	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	0.007	0.003	0.006	0.009	31.786	TRUE	9.15E-08
FEV1	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	0.014	0.006	0.020	0.035	135.131	TRUE	1.67E-29
FEV1	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	0.012	0.002	4.46E-07	0.018	67.714	TRUE	1.66E-14
FEV1	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	0.012	0.002	1.52E-07	0.012	43.170	TRUE	1.80E-09
FEV1	MUL1	cg03182908	rs11577932	T	C	0.204	0.024	0.396	7.76E-18	0.000	0.002	0.879	0.020	73.972	TRUE	1.65E-17
FEV1	MUL1	cg03182908	rs34658642	T	C	0.362	0.051	0.059	8.56E-13	-0.011	0.005	0.027	0.014	51.121	TRUE	5.72E-12
FEV1	MUL1	cg09354021	rs10916798	G	T	0.174	0.023	0.385	1.24E-13	0.000	0.003	0.904	0.015	54.916	TRUE	2.04E-13
FEV1	MUL1	cg09354021	rs433816	A	G	-0.134	0.024	0.334	4.00E-08	-0.004	0.003	0.077	0.008	30.134	TRUE	1.24E-07
FEV1	MUL1	cg09858435	rs595980	T	C	-0.207	0.029	0.193	7.59E-13	0.007	0.003	0.026	0.014	51.359	TRUE	5.14E-12
FEV1	MUL1	cg26370078	rs10157351	G	T	0.173	0.024	0.408	5.12E-13	-0.004	0.002	0.116	0.014	52.131	TRUE	2.25E-12
FEV1	MUL1	cg26370078	rs1253918	G	T	0.167	0.029	0.228	9.29E-09	-0.008	0.003	0.003	0.009	32.966	TRUE	6.00E-08
FEV1	MUL1	cg26370078	rs139259969	T	C	-0.704	0.110	0.030	1.36E-10	0.010	0.008	0.208	0.011	41.194	TRUE	3.94E-10
FEV1	MUL1	cg26370078	rs141203102	C	T	-0.759	0.096	0.015	3.54E-15	0.003	0.010	0.759	0.016	61.907	TRUE	7.27E-15
FEV1	MUL1	cg26370078	rs16824489	G	A	-0.141	0.025	0.337	1.46E-08	0.007	0.003	0.006	0.009	32.088	TRUE	8.07E-08
FEV1	MUL1	cg26370078	rs2641114	A	G	0.306	0.023	0.455	9.28E-40	-0.008	0.002	6.84E-04	0.045	174.035	TRUE	5.89E-37
FEV1	MUL1	cg26370078	rs2934358	A	G	0.245	0.023	0.486	1.66E-26	0.000	0.002	0.892	0.030	113.463	TRUE	5.92E-26
FEV1	MUL1	cg26370078	rs3767235	T	C	-1.220	0.032	0.117	<1E-200	0.015	0.004	3.40E-05	0.282	1450.527	TRUE	2.30E-274
FEV1	MUL1	cg26370078	rs433816	A	G	0.263	0.025	0.334	1.19E-26	-0.004	0.003	0.077	0.030	114.110	TRUE	2.25E-25
FEV1	MUL1	cg26370078	rs4654860	T	C	0.146	0.024	0.398	1.81E-09	-0.007	0.002	0.003	0.010	36.152	TRUE	1.26E-08
FEV1	MUL1	cg26370078	rs4704	G	A	0.218	0.024	0.398	3.00E-20	0.004	0.002	0.064	0.022	84.942	TRUE	3.17E-19
FEV1	MUL1	cg26370078	rs669410	C	T	-0.166	0.024	0.418	4.38E-12	0.006	0.003	0.020	0.013	47.919	TRUE	2.80E-11
FEV1	MUL1	cg26370078	rs7414922	G	T	-0.308	0.023	0.458	2.58E-40	0.000	0.002	0.851	0.046	176.581	TRUE	3.04E-39
FEV1	MUL1	cg26370078	rs7535412	G	A	-0.250	0.030	0.193	6.71E-17	0.002	0.003	0.470	0.018	69.718	TRUE	2.12E-16
FEV1	MYH14	cg00919509	rs7255564	A	G	0.532	0.080	0.040	3.21E-11	-0.015	0.006	0.020	0.012	44.018	TRUE	1.93E-10
FEV1	MYH14	cg02652072	rs584020	A	G	-0.506	0.060	0.043	4.38E-17	-0.001	0.006	0.844	0.019	70.557	TRUE	9.20E-17
FEV1	MYH14	cg02652072	rs589028	G	A	-0.518	0.024	0.358	6.84E-107	0.003	0.002	0.248	0.115	482.013	TRUE	1.38E-100
FEV1	MYH14	cg02652072	rs67103883	G	A	0.322	0.032	0.162	7.92E-24	-0.002	0.003	0.486	0.027	101.242	TRUE	4.14E-23
FEV1	MYH14	cg02652072	rs7259185	A	G	0.147	0.027	0.243	3.21E-08	-0.001	0.003	0.697	0.008	30.561	TRUE	4.82E-08
FEV1	MYH14	cg03182113	rs10416029	G	A	-0.463	0.077	0.027	1.63E-09	-0.003	0.007	0.719	0.010	36.356	TRUE	2.56E-09
FEV1	MYH14	cg03585888	rs589028	G	A	0.211	0.024	0.358	3.10E-18	0.003	0.002	0.248	0.020	75.782	TRUE	1.55E-17
FEV1	MYH14	cg03585888	rs638286	A	G	-0.205	0.032	0.489	2.39E-10	0.004	0.002	0.110	0.011	40.098	TRUE	8.40E-10
FEV1	MYH14	cg03585888	rs6509458	A	G	-0.139	0.023	0.474	3.39E-09	-0.002	0.002	0.418	0.009	34.929	TRUE	6.75E-09
FEV1	MYH14	cg03585888	rs694354	G	C	-0.293	0.032	0.160	1.65E-19	-0.003	0.003	0.458	0.022	81.574	TRUE	6.45E-19
FEV1	MYH14	cg06553312	rs10416029	G	A	-0.765	0.077	0.027	1.67E-23	-0.003	0.007	0.719	0.026	99.770	TRUE	5.99E-23
FEV1	MYH14	cg07555272	rs145276601	T	C	-0.474	0.079	0.026	1.61E-09	-0.003	0.007	0.666	0.010	36.382	TRUE	2.64E-09
FEV1	MYH14	cg08183141	rs372342456	G	A	-0.683	0.076	0.027	4.42E-19	-0.003	0.007	0.709	0.021	79.630	TRUE	1.20E-18
FEV1	MYH14	cg08183141	rs7252676	C	G	-0.297	0.031	0.161	3.49E-21	-0.011	0.003	2.47E-04	0.024	89.193	TRUE	2.00E-19
FEV1	MYH14	cg10229905	rs12973089	C	T	-0.182	0.031	0.162	5.13E-09	0.004	0.003	0.254	0.009	34.120	TRUE	1.22E-08
FEV1	MYH14	cg10229905	rs142251009	G	T	-1.231	0.082	0.019	2.05E-50	0.001	0.008	0.938	0.057	222.839	TRUE	6.01E-49

FEV1	MYH14	cg10229905	rs201622360	A	G	-0.393	0.054	0.068	3.69E-13	0.003	0.005	0.474	0.014	52.770	TRUE	8.95E-13
FEV1	MYH14	cg10229905	rs73061154	G	A	-0.387	0.051	0.053	3.64E-14	-0.010	0.005	0.035	0.015	57.324	TRUE	2.58E-13
FEV1	MYH14	cg10592766	rs12609315	G	C	0.219	0.034	0.329	1.36E-10	0.002	0.003	0.416	0.011	41.197	TRUE	3.05E-10
FEV1	MYH14	cg10639981	rs117650234	A	G	-0.216	0.030	0.187	1.38E-12	0.004	0.003	0.220	0.013	50.183	TRUE	4.62E-12
FEV1	MYH14	cg10639981	rs1670721	G	C	0.322	0.037	0.245	4.65E-18	-0.002	0.003	0.485	0.020	74.984	TRUE	1.57E-17
FEV1	MYH14	cg10639981	rs630283	G	A	-0.166	0.024	0.471	3.35E-12	0.000	0.002	0.972	0.013	48.448	TRUE	4.90E-12
FEV1	MYH14	cg12301087	rs117650234	A	G	-0.176	0.030	0.187	7.35E-09	0.004	0.003	0.220	0.009	33.421	TRUE	1.83E-08
FEV1	MYH14	cg12301087	rs1670721	G	C	0.411	0.037	0.245	6.24E-29	-0.002	0.003	0.485	0.033	124.527	TRUE	4.89E-28
FEV1	MYH14	cg17889586	rs1078446	A	G	-0.152	0.026	0.297	2.96E-09	0.003	0.003	0.310	0.009	35.189	TRUE	6.67E-09
FEV1	MYH14	cg17889586	rs7259185	A	G	0.148	0.027	0.243	3.27E-08	-0.001	0.003	0.697	0.008	30.522	TRUE	4.92E-08
FEV1	MYH14	cg22022379	rs1651553	A	G	0.390	0.037	0.245	6.75E-26	-0.002	0.003	0.540	0.029	110.678	TRUE	3.68E-25
FEV1	MYH14	cg22022379	rs73070934	T	C	-0.192	0.035	0.322	2.86E-08	0.001	0.003	0.831	0.008	30.781	TRUE	3.91E-08
FEV1	MYH14	cg23268322	rs1670721	G	C	0.608	0.036	0.245	3.02E-62	-0.002	0.003	0.485	0.070	277.076	TRUE	9.96E-60
FEV1	MYH14	cg23268322	rs2017387	A	G	0.164	0.030	0.206	3.89E-08	0.002	0.003	0.421	0.008	30.189	TRUE	7.26E-08
FEV1	MYH14	cg23268322	rs659442	A	G	0.445	0.060	0.043	1.57E-13	-0.001	0.006	0.837	0.015	54.448	TRUE	2.73E-13
FEV1	MYH14	cg23268322	rs73070934	T	C	-0.249	0.035	0.322	7.34E-13	0.001	0.003	0.831	0.014	51.424	TRUE	1.23E-12
FEV1	MYH14	cg23268322	rs788332	A	C	-0.130	0.024	0.403	4.98E-08	0.000	0.002	1.000	0.008	29.709	TRUE	6.04E-08
FEV1	MYH14	cg25311666	rs561963469	T	A	-0.570	0.078	0.024	3.52E-13	-0.003	0.007	0.649	0.014	52.867	TRUE	7.20E-13
FEV1	NACC2	cg00236077	rs7028545	T	C	-0.254	0.023	0.495	1.92E-27	-0.001	0.002	0.680	0.031	117.735	TRUE	1.00E-26
FEV1	NACC2	cg00236077	rs72773737	A	T	-1.268	0.062	0.036	1.89E-92	0.006	0.006	0.288	0.101	415.694	TRUE	1.71E-87
FEV1	NACC2	cg00648203	rs11792837	A	C	0.229	0.031	0.169	1.04E-13	-0.005	0.003	0.145	0.015	55.251	TRUE	4.42E-13
FEV1	NACC2	cg00648203	rs1747842	T	C	0.278	0.051	0.062	3.84E-08	0.001	0.005	0.836	0.008	30.214	TRUE	5.20E-08
FEV1	NACC2	cg00648203	rs4842105	A	G	-0.603	0.027	0.233	4.08E-112	0.000	0.003	0.959	0.120	506.010	TRUE	2.40E-106
FEV1	NACC2	cg00648203	rs76689007	T	C	-0.466	0.082	0.026	1.47E-08	0.012	0.008	0.139	0.009	32.081	TRUE	4.11E-08
FEV1	NACC2	cg01612110	rs11103335	G	C	-0.201	0.035	0.158	1.28E-08	0.000	0.003	0.903	0.009	32.340	TRUE	1.70E-08
FEV1	NACC2	cg01612110	rs115848636	G	T	-0.593	0.081	0.027	2.97E-13	0.011	0.008	0.179	0.014	53.198	TRUE	1.13E-12
FEV1	NACC2	cg01612110	rs1622817	G	A	-0.155	0.025	0.378	2.91E-10	0.008	0.002	6.82E-04	0.011	39.716	TRUE	2.88E-09
FEV1	NACC2	cg01612110	rs1747842	T	C	0.307	0.051	0.062	1.24E-09	0.001	0.005	0.836	0.010	36.880	TRUE	1.80E-09
FEV1	NACC2	cg01612110	rs55737177	A	G	0.292	0.031	0.167	5.10E-21	-0.004	0.003	0.167	0.023	88.447	TRUE	3.87E-20
FEV1	NACC2	cg01612110	rs79105125	C	T	-0.749	0.026	0.231	5.15E-177	0.000	0.003	0.892	0.179	804.260	TRUE	7.79E-164
FEV1	NACC2	cg03587907	rs13284838	A	C	0.153	0.025	0.338	9.90E-10	-0.003	0.003	0.232	0.010	37.325	TRUE	2.59E-09
FEV1	NACC2	cg08763846	rs12003954	T	C	0.346	0.062	0.086	2.51E-08	0.002	0.004	0.716	0.008	31.037	TRUE	3.74E-08
FEV1	NACC2	cg08763846	rs1717453	T	C	0.523	0.047	0.071	1.85E-28	0.002	0.005	0.632	0.032	122.370	TRUE	1.09E-27
FEV1	NACC2	cg13549345	rs10745379	A	G	0.179	0.023	0.423	1.75E-14	0.006	0.002	0.009	0.016	58.760	TRUE	1.81E-13
FEV1	NACC2	cg13588388	rs1717451	T	C	0.485	0.048	0.071	2.30E-24	0.002	0.005	0.635	0.027	103.692	TRUE	9.83E-24
FEV1	NACC2	cg13588388	rs7034427	C	T	-0.415	0.027	0.237	4.13E-52	0.000	0.003	0.987	0.059	230.607	TRUE	1.32E-50
FEV1	NACC2	cg13923277	rs10481731	A	G	-0.246	0.043	0.064	1.20E-08	0.007	0.005	0.106	0.009	32.462	TRUE	3.62E-08
FEV1	NACC2	cg13923277	rs11103335	G	C	-0.313	0.035	0.158	6.26E-19	0.000	0.003	0.903	0.021	78.943	TRUE	1.37E-18
FEV1	NACC2	cg13923277	rs114514608	A	G	-0.555	0.081	0.024	7.82E-12	0.012	0.008	0.137	0.012	46.785	TRUE	2.90E-11
FEV1	NACC2	cg13923277	rs1747872	A	G	0.394	0.069	0.066	1.40E-08	0.003	0.005	0.497	0.009	32.169	TRUE	2.53E-08
FEV1	NACC2	cg13923277	rs55737177	A	G	0.211	0.031	0.167	1.13E-11	-0.004	0.003	0.167	0.012	46.069	TRUE	3.85E-11
FEV1	NACC2	cg13923277	rs79105125	C	T	-0.890	0.024	0.231	5.23E-299	0.000	0.003	0.892	0.270	1365.226	TRUE	1.83E-265

FEV1	NACC2	cg13978542	rs1717423	T	C	-0.187	0.032	0.153	4.06E-09	-0.003	0.003	0.301	0.009	34.575	TRUE	9.22E-09
FEV1	NACC2	cg13978542	rs62583484	T	C	0.243	0.026	0.369	2.91E-20	0.002	0.003	0.499	0.022	85.007	TRUE	1.12E-19
FEV1	NACC2	cg13979562	rs1717423	T	C	0.232	0.032	0.153	3.74E-13	-0.003	0.003	0.301	0.014	52.749	TRUE	1.14E-12
FEV1	NACC2	cg13979562	rs4842101	G	A	-0.552	0.025	0.285	3.11E-104	0.001	0.003	0.603	0.113	469.806	TRUE	1.01E-98
FEV1	NACC2	cg14126392	rs11790228	T	A	0.137	0.025	0.339	4.07E-08	-0.003	0.003	0.246	0.008	30.098	TRUE	9.20E-08
FEV1	NACC2	cg14147151	rs4842091	G	A	0.364	0.036	0.246	1.58E-23	0.000	0.003	0.931	0.026	99.875	TRUE	4.36E-23
FEV1	NACC2	cg14175330	rs4842091	G	A	0.206	0.036	0.246	1.43E-08	0.000	0.003	0.931	0.009	32.127	TRUE	1.84E-08
FEV1	NACC2	cg14242024	rs4842104	C	T	-0.159	0.026	0.260	1.90E-09	0.000	0.003	0.870	0.010	36.052	TRUE	2.65E-09
FEV1	NACC2	cg14253096	rs55987927	T	C	-0.284	0.041	0.094	3.32E-12	-0.002	0.004	0.587	0.013	48.465	TRUE	6.77E-12
FEV1	NACC2	cg14253096	rs77639581	A	G	0.249	0.037	0.116	2.73E-11	0.000	0.004	0.945	0.012	44.334	TRUE	3.94E-11
FEV1	NACC2	cg14350701	rs185043138	G	A	-0.364	0.058	0.044	2.66E-10	0.064	0.151	0.673	0.011	39.887	TRUE	4.54E-10
FEV1	NACC2	cg14350701	rs4419885	C	G	-0.293	0.025	0.316	3.55E-32	0.001	0.003	0.840	0.036	139.355	TRUE	2.09E-31
FEV1	NACC2	cg14618312	rs4842104	C	T	-0.226	0.027	0.260	3.78E-17	0.000	0.003	0.870	0.019	70.849	TRUE	7.64E-17
FEV1	NACC2	cg18768887	rs1717453	T	C	-0.363	0.048	0.071	2.50E-14	0.002	0.005	0.632	0.015	58.058	TRUE	5.52E-14
FEV1	NACC2	cg21229179	rs35062806	A	G	0.278	0.035	0.158	4.10E-15	0.000	0.003	0.911	0.016	61.617	TRUE	7.28E-15
FEV1	NACC2	cg21229179	rs77190494	A	G	0.542	0.075	0.018	6.34E-13	-0.001	0.007	0.930	0.014	51.712	TRUE	9.87E-13
FEV1	NACC2	cg21229179	rs79105125	C	T	0.382	0.027	0.231	4.02E-44	0.000	0.003	0.892	0.050	194.009	TRUE	6.64E-43
FEV1	NACC2	cg22747092	rs11103328	T	G	-0.321	0.048	0.071	1.86E-11	0.002	0.005	0.613	0.012	45.093	TRUE	3.57E-11
FEV1	NCK2	cg01295249	rs10180659	T	C	0.299	0.024	0.358	2.67E-35	0.000	0.003	0.898	0.040	153.633	TRUE	1.88E-34
FEV1	NCK2	cg01295249	rs115511870	G	A	-0.883	0.075	0.024	1.14E-31	0.018	0.008	0.015	0.036	137.037	TRUE	7.43E-30
FEV1	NCK2	cg01295249	rs116799779	A	G	0.507	0.072	0.031	2.52E-12	0.000	0.008	0.968	0.013	49.002	TRUE	3.70E-12
FEV1	NCK2	cg01295249	rs13025118	A	T	-0.278	0.032	0.150	5.23E-18	0.007	0.003	0.040	0.020	74.753	TRUE	5.47E-17
FEV1	NCK2	cg01295249	rs13393585	A	G	0.288	0.030	0.194	1.64E-21	0.000	0.003	0.902	0.024	90.695	TRUE	4.19E-21
FEV1	NCK2	cg01295249	rs17208505	A	C	0.587	0.023	0.425	3.15E-149	-0.003	0.002	0.217	0.155	676.540	TRUE	2.17E-138
FEV1	NCK2	cg01295249	rs35674772	A	G	-0.151	0.027	0.253	1.59E-08	0.007	0.003	0.010	0.009	31.919	TRUE	8.11E-08
FEV1	NCK2	cg01295249	rs62152231	G	A	0.342	0.058	0.046	3.04E-09	0.003	0.006	0.625	0.009	35.137	TRUE	5.09E-09
FEV1	NCK2	cg01295249	rs72821566	G	A	-0.313	0.048	0.068	6.05E-11	0.014	0.005	0.004	0.011	42.781	TRUE	4.91E-10
FEV1	NCK2	cg01295249	rs76248503	C	T	0.204	0.037	0.119	2.39E-08	0.008	0.004	0.034	0.008	31.130	TRUE	9.13E-08
FEV1	NCK2	cg01577187	rs12616493	C	T	0.136	0.023	0.448	7.42E-09	0.005	0.002	0.038	0.009	33.404	TRUE	2.88E-08
FEV1	NCK2	cg03181966	rs12476157	T	C	0.185	0.023	0.425	2.18E-15	-0.003	0.002	0.238	0.017	62.863	TRUE	8.67E-15
FEV1	NCK2	cg09152813	rs1007918	G	T	-0.361	0.066	0.030	4.96E-08	0.022	0.007	8.07E-04	0.008	29.716	TRUE	3.49E-07
FEV1	NCK2	cg09152813	rs10196773	G	A	0.317	0.031	0.162	5.39E-24	0.003	0.003	0.394	0.027	102.003	TRUE	3.22E-23
FEV1	NCK2	cg09152813	rs1037381	G	A	0.374	0.026	0.292	2.79E-48	-0.001	0.003	0.694	0.054	213.060	TRUE	9.93E-47
FEV1	NCK2	cg09152813	rs11124067	G	A	-0.238	0.033	0.392	4.32E-13	-0.001	0.003	0.641	0.014	52.465	TRUE	8.92E-13
FEV1	NCK2	cg09152813	rs113406649	C	T	-0.256	0.045	0.074	1.68E-08	0.005	0.005	0.270	0.009	31.819	TRUE	3.79E-08
FEV1	NCK2	cg09152813	rs114698458	G	C	0.382	0.042	0.085	5.20E-20	0.005	0.004	0.256	0.022	83.856	TRUE	2.94E-19
FEV1	NCK2	cg09152813	rs115295484	A	C	-0.402	0.040	0.101	6.58E-24	0.006	0.004	0.135	0.027	101.610	TRUE	7.30E-23
FEV1	NCK2	cg09152813	rs116840679	C	G	0.341	0.054	0.038	3.29E-10	-0.014	0.006	0.017	0.011	39.475	TRUE	1.84E-09
FEV1	NCK2	cg09152813	rs11684945	A	G	-0.235	0.025	0.322	1.87E-20	0.003	0.003	0.278	0.023	85.874	TRUE	1.04E-19
FEV1	NCK2	cg09152813	rs11694417	T	A	0.884	0.019	0.402	<1E-200	-0.004	0.002	0.067	0.361	2087.593	TRUE	<1E-200
FEV1	NCK2	cg09152813	rs11896455	A	G	0.448	0.046	0.061	1.14E-22	-0.007	0.005	0.149	0.025	95.961	TRUE	1.08E-21
FEV1	NCK2	cg09152813	rs11900943	A	C	0.206	0.026	0.282	5.93E-15	0.004	0.003	0.142	0.016	60.891	TRUE	2.84E-14

FEV1	NCK2	cg09152813	rs12712229	A	G	0.351	0.046	0.064	2.39E-14	-0.004	0.005	0.434	0.015	58.149	TRUE	6.61E-14
FEV1	NCK2	cg09152813	rs12994562	C	G	0.203	0.033	0.144	4.17E-10	0.004	0.003	0.188	0.010	39.009	TRUE	1.23E-09
FEV1	NCK2	cg09152813	rs13025118	A	T	-0.535	0.032	0.150	3.52E-64	0.007	0.003	0.040	0.072	285.942	TRUE	1.38E-60
FEV1	NCK2	cg09152813	rs13036199	C	A	-0.295	0.034	0.136	1.16E-17	-0.006	0.004	0.075	0.019	73.176	TRUE	9.06E-17
FEV1	NCK2	cg09152813	rs13429800	G	A	0.687	0.022	0.452	8.78E-217	0.000	0.002	1.000	0.211	987.094	TRUE	4.86E-198
FEV1	NCK2	cg09152813	rs145456368	A	G	-0.641	0.062	0.038	2.48E-25	-0.011	0.006	0.082	0.028	108.098	TRUE	4.01E-24
FEV1	NCK2	cg09152813	rs147670809	T	C	0.614	0.058	0.045	4.11E-26	0.005	0.006	0.377	0.029	111.661	TRUE	3.08E-25
FEV1	NCK2	cg09152813	rs148335434	T	G	-0.711	0.077	0.024	1.71E-20	0.019	0.008	0.013	0.023	86.052	TRUE	3.31E-19
FEV1	NCK2	cg09152813	rs1615827	C	T	-0.167	0.024	0.400	4.50E-12	0.003	0.002	0.276	0.013	47.867	TRUE	1.31E-11
FEV1	NCK2	cg09152813	rs17031183	C	A	-0.211	0.023	0.497	1.44E-19	0.003	0.002	0.259	0.022	81.837	TRUE	7.82E-19
FEV1	NCK2	cg09152813	rs17031461	C	T	-0.502	0.071	0.024	2.17E-12	-0.010	0.008	0.190	0.013	49.293	TRUE	7.57E-12
FEV1	NCK2	cg09152813	rs17031770	A	G	-0.787	0.035	0.124	8.73E-111	-0.006	0.004	0.102	0.119	499.899	TRUE	1.13E-103
FEV1	NCK2	cg09152813	rs186074463	G	A	0.572	0.072	0.023	2.23E-15	-0.013	0.007	0.056	0.017	62.813	TRUE	1.54E-14
FEV1	NCK2	cg09152813	rs35674772	A	G	-0.394	0.026	0.253	1.90E-50	0.007	0.003	0.010	0.057	222.991	TRUE	1.97E-47
FEV1	NCK2	cg09152813	rs4281921	T	C	0.335	0.026	0.270	1.27E-37	-0.001	0.003	0.835	0.043	164.267	TRUE	1.19E-36
FEV1	NCK2	cg09152813	rs55704707	A	G	0.327	0.030	0.183	8.30E-27	-0.004	0.003	0.179	0.030	114.834	TRUE	1.07E-25
FEV1	NCK2	cg09152813	rs72819712	C	T	-0.400	0.062	0.072	1.08E-10	0.016	0.004	2.92E-04	0.011	41.654	TRUE	1.33E-09
FEV1	NCK2	cg09152813	rs72821582	T	C	-0.546	0.046	0.071	7.84E-33	0.011	0.005	0.021	0.037	142.350	TRUE	5.21E-31
FEV1	NCK2	cg09152813	rs72825197	T	C	0.648	0.084	0.023	1.15E-14	0.003	0.008	0.669	0.016	59.593	TRUE	2.50E-14
FEV1	NCK2	cg09152813	rs7561017	C	T	-0.202	0.025	0.325	1.09E-15	-0.002	0.003	0.562	0.017	64.229	TRUE	2.88E-15
FEV1	NCK2	cg09152813	rs77416125	T	C	0.312	0.050	0.060	6.46E-10	-0.001	0.005	0.842	0.010	38.157	TRUE	9.48E-10
FEV1	NCK2	cg10808560	rs3769500	A	G	0.200	0.026	0.253	1.59E-14	-0.002	0.003	0.467	0.016	58.953	TRUE	4.33E-14
FEV1	NCK2	cg11752152	rs17031793	T	C	0.208	0.032	0.156	1.56E-10	0.000	0.003	0.965	0.011	40.935	TRUE	2.11E-10
FEV1	NCK2	cg11752152	rs4851092	G	A	-0.241	0.029	0.184	1.48E-16	-0.005	0.003	0.104	0.018	68.163	TRUE	9.06E-16
FEV1	NCK2	cg13660477	rs4851867	T	C	0.140	0.023	0.414	1.72E-09	-0.005	0.002	0.039	0.010	36.243	TRUE	7.18E-09
FEV1	NCK2	cg13704531	rs10180659	T	C	-0.146	0.024	0.358	1.06E-09	0.000	0.003	0.898	0.010	37.189	TRUE	1.47E-09
FEV1	NCK2	cg13704531	rs12476157	T	C	-0.350	0.023	0.425	4.22E-53	-0.003	0.002	0.238	0.060	235.146	TRUE	8.14E-51
FEV1	NCK2	cg13704531	rs62152231	G	A	-0.313	0.057	0.046	3.98E-08	0.003	0.006	0.625	0.008	30.142	TRUE	6.28E-08
FEV1	NCK2	cg13704531	rs6723369	A	G	0.213	0.030	0.176	8.66E-13	0.002	0.003	0.494	0.014	51.098	TRUE	2.01E-12
FEV1	NCK2	cg14131038	rs10193236	C	T	-0.144	0.024	0.407	2.23E-09	-0.007	0.002	0.003	0.010	35.743	TRUE	1.57E-08
FEV1	NCK2	cg14131038	rs114331152	C	T	-0.378	0.056	0.046	2.00E-11	0.000	0.006	0.987	0.012	44.951	TRUE	2.78E-11
FEV1	NCK2	cg14131038	rs115895042	G	A	0.277	0.042	0.087	3.65E-11	0.005	0.004	0.240	0.012	43.769	TRUE	1.04E-10
FEV1	NCK2	cg14131038	rs12992944	T	G	0.422	0.024	0.369	1.11E-68	0.007	0.002	0.005	0.077	306.594	TRUE	3.01E-64
FEV1	NCK2	cg14131038	rs4851074	A	G	-0.186	0.024	0.413	3.74E-15	-0.004	0.002	0.104	0.016	61.798	TRUE	2.06E-14
FEV1	NCK2	cg14131038	rs57567085	C	G	-0.759	0.041	0.085	4.71E-76	-0.009	0.004	0.043	0.084	340.420	TRUE	1.15E-71
FEV1	NCK2	cg14131038	rs62146634	A	C	-0.205	0.026	0.285	4.04E-15	0.000	0.003	0.906	0.016	61.647	TRUE	7.14E-15
FEV1	NCK2	cg14131038	rs62154066	A	G	0.409	0.058	0.045	1.39E-12	0.005	0.006	0.421	0.013	50.168	TRUE	3.49E-12
FEV1	NCK2	cg14131038	rs6734644	A	G	-0.208	0.027	0.257	8.77E-15	-0.003	0.003	0.265	0.016	60.123	TRUE	3.21E-14
FEV1	NCK2	cg14131038	rs72823399	G	A	-0.274	0.049	0.058	1.72E-08	-0.001	0.005	0.817	0.009	31.765	TRUE	2.40E-08
FEV1	NCK2	cg14131038	rs7581139	G	A	0.160	0.024	0.451	1.67E-11	-0.002	0.002	0.511	0.012	45.300	TRUE	3.53E-11
FEV1	NCK2	cg14210321	rs10490697	G	A	-0.206	0.034	0.137	2.37E-09	-0.007	0.004	0.062	0.010	35.622	TRUE	8.77E-09
FEV1	NCK2	cg14210321	rs114545687	G	A	-0.426	0.075	0.024	1.61E-08	0.012	0.007	0.106	0.009	31.896	TRUE	4.79E-08

FEV1	NCK2	cg14210321	rs115295484	A	C	-0.258	0.040	0.101	1.13E-10	0.006	0.004	0.135	0.011	41.557	TRUE	3.84E-10
FEV1	NCK2	cg14210321	rs116406494	A	G	-0.554	0.094	0.014	4.43E-09	-0.011	0.009	0.212	0.009	34.408	TRUE	1.13E-08
FEV1	NCK2	cg14210321	rs11687998	T	C	0.230	0.030	0.188	1.93E-14	-0.003	0.003	0.392	0.016	58.567	TRUE	5.72E-14
FEV1	NCK2	cg14210321	rs13025485	G	A	-0.212	0.025	0.329	8.17E-18	0.005	0.003	0.049	0.020	73.871	TRUE	7.29E-17
FEV1	NCK2	cg14210321	rs35048252	T	C	0.298	0.026	0.265	4.73E-30	0.001	0.003	0.823	0.034	129.644	TRUE	2.43E-29
FEV1	NCK2	cg14210321	rs35677272	T	C	-0.658	0.023	0.354	1.60E-176	0.004	0.003	0.156	0.178	802.001	TRUE	5.49E-162
FEV1	NCK2	cg14210321	rs4851092	G	A	0.302	0.029	0.184	1.38E-24	-0.005	0.003	0.104	0.028	104.705	TRUE	1.80E-23
FEV1	NCK2	cg14210321	rs62148194	T	C	0.255	0.045	0.067	1.64E-08	-0.006	0.005	0.174	0.009	31.866	TRUE	4.27E-08
FEV1	NCK2	cg14210321	rs6728842	G	T	-0.289	0.036	0.118	1.25E-15	0.007	0.004	0.051	0.017	63.949	TRUE	9.17E-15
FEV1	NCK2	cg14210321	rs6755914	G	A	0.245	0.033	0.182	2.07E-13	0.004	0.003	0.207	0.014	53.906	TRUE	7.41E-13
FEV1	NCK2	cg14210321	rs7602845	G	T	0.165	0.027	0.242	1.35E-09	-0.002	0.003	0.412	0.010	36.723	TRUE	2.79E-09
FEV1	NCK2	cg16077055	rs10445869	C	G	0.264	0.047	0.068	2.65E-08	0.014	0.005	0.002	0.008	30.934	TRUE	1.60E-07
FEV1	NCK2	cg16077055	rs114142149	T	G	0.387	0.048	0.064	5.00E-16	0.007	0.005	0.174	0.017	65.760	TRUE	2.46E-15
FEV1	NCK2	cg16077055	rs115295484	A	C	0.343	0.040	0.101	8.87E-18	0.006	0.004	0.135	0.020	73.710	TRUE	5.61E-17
FEV1	NCK2	cg16077055	rs116098659	T	C	-0.298	0.052	0.050	1.35E-08	-0.004	0.005	0.402	0.009	32.246	TRUE	2.66E-08
FEV1	NCK2	cg16077055	rs12053259	A	G	0.747	0.021	0.363	6.72E-269	0.003	0.002	0.298	0.249	1226.750	TRUE	7.00E-240
FEV1	NCK2	cg16077055	rs1963915	A	G	0.165	0.029	0.207	1.08E-08	-0.006	0.003	0.029	0.009	32.672	TRUE	4.43E-08
FEV1	NCK2	cg16077055	rs2567195	G	A	-0.167	0.025	0.312	4.76E-11	0.006	0.003	0.016	0.012	43.252	TRUE	2.99E-10
FEV1	NCK2	cg16077055	rs336495	G	A	-0.336	0.047	0.071	5.24E-13	0.004	0.005	0.377	0.014	52.086	TRUE	1.43E-12
FEV1	NCK2	cg16077055	rs336500	T	C	-0.263	0.024	0.353	2.73E-27	-0.002	0.003	0.420	0.031	117.033	TRUE	2.06E-26
FEV1	NCK2	cg16077055	rs4851805	G	A	-0.143	0.024	0.452	1.65E-09	0.001	0.002	0.551	0.010	36.324	TRUE	3.02E-09
FEV1	NCK2	cg16077055	rs4851823	C	T	-0.171	0.030	0.197	8.53E-09	-0.002	0.003	0.601	0.009	33.133	TRUE	1.43E-08
FEV1	NCK2	cg16077055	rs58195928	T	G	-0.366	0.037	0.119	6.01E-23	-0.001	0.004	0.716	0.026	97.231	TRUE	2.10E-22
FEV1	NCK2	cg16077055	rs6755914	G	A	-0.235	0.033	0.182	1.84E-12	0.004	0.003	0.207	0.013	49.616	TRUE	6.11E-12
FEV1	NCK2	cg16077055	rs72931623	C	T	0.350	0.036	0.119	3.24E-22	0.007	0.004	0.046	0.025	93.897	TRUE	4.84E-21
FEV1	NCK2	cg16077055	rs7595024	A	G	-0.622	0.031	0.161	4.53E-90	-0.003	0.003	0.341	0.099	404.766	TRUE	2.05E-85
FEV1	NCK2	cg16077055	rs78158772	G	A	-0.302	0.047	0.191	1.16E-10	0.002	0.003	0.434	0.011	41.510	TRUE	2.50E-10
FEV1	NCK2	cg16077055	rs997136	T	C	-0.287	0.024	0.357	4.47E-32	-0.002	0.002	0.452	0.036	138.896	TRUE	4.87E-31
FEV1	NCK2	cg17501982	rs12475901	A	G	0.236	0.028	0.213	4.43E-17	-0.004	0.003	0.137	0.019	70.536	TRUE	2.60E-16
FEV1	NCK2	cg17501982	rs2047699	T	C	-0.275	0.034	0.147	2.46E-16	-0.002	0.003	0.638	0.018	67.161	TRUE	6.04E-16
FEV1	NCK2	cg21101995	rs4851841	A	G	-0.157	0.024	0.401	1.05E-10	-0.007	0.002	0.004	0.011	41.705	TRUE	8.03E-10
FEV1	NCK2	cg21551182	rs10496402	G	A	-0.359	0.042	0.085	9.00E-18	-0.009	0.004	0.032	0.020	73.680	TRUE	9.37E-17
FEV1	NCK2	cg21551182	rs62152231	G	A	0.481	0.058	0.046	6.66E-17	0.003	0.006	0.625	0.019	69.734	TRUE	1.73E-16
FEV1	NCK2	cg21551182	rs6707820	T	C	-0.280	0.037	0.122	3.27E-14	-0.002	0.004	0.579	0.015	57.535	TRUE	7.62E-14
FEV1	NCK2	cg21551182	rs72823386	A	G	0.275	0.041	0.093	1.55E-11	-0.001	0.004	0.878	0.012	45.440	TRUE	2.38E-11
FEV1	NCK2	cg21551182	rs7602442	C	T	-0.454	0.023	0.412	3.38E-86	0.003	0.002	0.215	0.095	386.982	TRUE	1.24E-81
FEV1	NCK2	cg22687475	rs6752445	T	G	0.247	0.039	0.100	2.77E-10	0.000	0.004	0.997	0.011	39.812	TRUE	3.64E-10
FEV1	NCK2	cg22765178	rs11691468	T	A	-0.170	0.024	0.360	2.32E-12	0.012	0.007	0.094	0.013	49.165	TRUE	1.03E-11
FEV1	NCK2	cg22765178	rs4851844	A	C	-0.374	0.024	0.414	1.73E-56	-0.004	0.002	0.089	0.063	250.672	TRUE	1.17E-53
FEV1	NCK2	cg22765178	rs72823386	A	G	0.333	0.041	0.093	2.36E-16	-0.001	0.004	0.878	0.018	67.243	TRUE	4.58E-16
FEV1	NCK2	cg25961567	rs2047699	T	C	-0.197	0.034	0.147	3.95E-09	-0.002	0.003	0.638	0.009	34.630	TRUE	6.46E-09
FEV1	NCK2	cg25961567	rs6543337	G	C	0.238	0.030	0.192	1.92E-15	-0.002	0.003	0.525	0.017	63.116	TRUE	5.20E-15

FEV1	NCK2	cg26377276	rs17208218	T	C	0.146	0.023	0.423	2.37E-10	-0.003	0.002	0.178	0.011	40.116	TRUE	7.06E-10
FEV1	NEU1	cg00397479	rs9268158	T	C	-0.290	0.034	0.128	4.12E-17	-0.034	0.004	1.26E-21	0.019	70.680	TRUE	1.13E-13
FEV1	NEU1	cg00397479	rs9276569	T	C	-0.135	0.023	0.479	4.28E-09	-0.006	0.002	0.020	0.009	34.475	TRUE	2.01E-08
FEV1	NEU1	cg13634177	rs3130455	T	A	-0.155	0.027	0.255	6.86E-09	-0.025	0.003	6.20E-20	0.009	33.556	TRUE	1.02E-06
FEV1	NEU1	cg21116447	rs56280220	C	G	0.849	0.103	0.013	1.44E-16	-0.042	0.011	8.71E-05	0.018	68.210	TRUE	5.24E-15
FEV1	NEU1	cg25560247	rs385306	A	G	-0.207	0.029	0.217	6.44E-13	0.008	0.003	0.004	0.014	51.680	TRUE	6.67E-12
FEV1	NEU1	cg27645345	rs116312062	G	T	-0.197	0.034	0.137	6.22E-09	-0.033	0.004	1.93E-17	0.009	33.747	TRUE	6.76E-07
FEV1	NFATC4	cg00462311	rs12050389	A	G	0.166	0.029	0.210	6.22E-09	-0.002	0.003	0.512	0.009	33.747	TRUE	1.13E-08
FEV1	NFATC4	cg01233722	rs56082702	A	C	-0.265	0.042	0.085	2.62E-10	-0.003	0.004	0.446	0.011	39.917	TRUE	5.51E-10
FEV1	NFATC4	cg01658259	rs10146996	G	C	-0.267	0.037	0.116	4.46E-13	0.000	0.004	0.952	0.014	52.401	TRUE	6.85E-13
FEV1	NFATC4	cg01658259	rs11845606	G	C	0.262	0.048	0.060	4.04E-08	-0.007	0.005	0.139	0.008	30.113	TRUE	1.07E-07
FEV1	NFATC4	cg01658259	rs140708216	A	G	0.652	0.080	0.025	4.65E-16	-0.008	0.009	0.365	0.018	65.903	TRUE	1.60E-15
FEV1	NFATC4	cg01658259	rs28365903	G	C	0.812	0.029	0.180	1.32E-172	-0.003	0.003	0.367	0.175	783.996	TRUE	4.03E-159
FEV1	NFATC4	cg01658259	rs4575	C	T	0.142	0.025	0.305	2.59E-08	0.001	0.003	0.841	0.008	30.979	TRUE	3.52E-08
FEV1	NFATC4	cg01658259	rs6573778	T	C	-0.224	0.023	0.475	1.07E-21	0.001	0.002	0.688	0.024	91.525	TRUE	3.54E-21
FEV1	NFATC4	cg04267345	rs2228233	T	C	-0.149	0.026	0.284	9.57E-09	0.000	0.003	0.878	0.009	32.909	TRUE	1.30E-08
FEV1	NFATC4	cg04267345	rs2332326	G	C	-0.443	0.037	0.113	2.97E-33	0.016	0.004	2.50E-05	0.038	144.276	TRUE	1.82E-30
FEV1	NFATC4	cg06993714	rs2332326	G	C	-0.695	0.036	0.113	3.02E-81	0.016	0.004	2.50E-05	0.090	364.254	TRUE	9.85E-75
FEV1	NFATC4	cg06993714	rs3212254	T	G	-0.400	0.050	0.052	1.51E-15	-0.002	0.005	0.692	0.017	63.582	TRUE	3.38E-15
FEV1	NFATC4	cg06993714	rs41295318	T	C	-0.511	0.064	0.044	1.76E-15	0.025	0.006	1.73E-05	0.017	63.287	TRUE	7.18E-14
FEV1	NFATC4	cg06993714	rs72694396	C	T	-0.331	0.056	0.118	3.96E-09	0.005	0.004	0.167	0.009	34.622	TRUE	1.11E-08
FEV1	NFATC4	cg06993714	rs75335478	G	A	-0.678	0.104	0.012	6.53E-11	-0.007	0.010	0.501	0.011	42.630	TRUE	1.35E-10
FEV1	NFATC4	cg06993714	rs8003102	C	T	0.272	0.029	0.213	2.43E-21	-0.003	0.003	0.378	0.024	89.912	TRUE	1.20E-20
FEV1	NFATC4	cg07162820	rs10151147	T	C	-0.412	0.046	0.070	2.17E-19	0.006	0.005	0.188	0.021	81.033	TRUE	1.36E-18
FEV1	NFATC4	cg07162820	rs12431836	A	G	1.011	0.026	0.188	<1E-200	-0.003	0.003	0.380	0.289	1506.617	TRUE	9.23E-289
FEV1	NFATC4	cg07162820	rs13841	G	A	0.222	0.039	0.350	8.34E-09	0.003	0.003	0.183	0.009	33.177	TRUE	2.17E-08
FEV1	NFATC4	cg07162820	rs140708216	A	G	0.840	0.080	0.025	9.88E-26	-0.008	0.009	0.365	0.029	109.923	TRUE	7.28E-25
FEV1	NFATC4	cg07162820	rs142604986	T	C	0.501	0.076	0.026	3.53E-11	-0.013	0.007	0.060	0.012	43.833	TRUE	1.60E-10
FEV1	NFATC4	cg07162820	rs3181382	T	G	-0.385	0.066	0.031	5.76E-09	-0.002	0.006	0.768	0.009	33.897	TRUE	8.54E-09
FEV1	NFATC4	cg07162820	rs36113166	A	G	0.143	0.025	0.354	7.69E-09	0.002	0.003	0.508	0.009	33.333	TRUE	1.41E-08
FEV1	NFATC4	cg07162820	rs36226649	C	T	-0.310	0.048	0.061	1.07E-10	0.023	0.005	5.26E-07	0.011	41.664	TRUE	2.92E-09
FEV1	NFATC4	cg07162820	rs3891905	G	A	0.182	0.023	0.475	6.84E-15	-0.005	0.002	0.022	0.016	60.611	TRUE	6.05E-14
FEV1	NFATC4	cg07162820	rs4537942	T	C	0.467	0.083	0.053	1.69E-08	0.001	0.005	0.838	0.009	31.803	TRUE	2.32E-08
FEV1	NFATC4	cg07162820	rs45578038	A	G	0.957	0.172	0.011	2.76E-08	-0.007	0.009	0.410	0.008	30.850	TRUE	5.29E-08
FEV1	NFATC4	cg07162820	rs4981494	G	A	-0.178	0.025	0.313	1.73E-12	-0.001	0.003	0.610	0.013	49.747	TRUE	3.54E-12
FEV1	NFATC4	cg07162820	rs6573778	T	C	-0.296	0.023	0.475	9.44E-37	0.001	0.002	0.688	0.042	160.274	TRUE	1.04E-35
FEV1	NFATC4	cg07162820	rs8010715	C	T	0.180	0.026	0.267	9.23E-12	0.000	0.003	0.990	0.012	46.460	TRUE	1.29E-11
FEV1	NFATC4	cg07548372	rs113678538	T	C	-0.584	0.078	0.025	5.21E-14	-0.009	0.007	0.198	0.015	56.620	TRUE	2.03E-13
FEV1	NFATC4	cg07548372	rs8008583	T	C	-0.267	0.028	0.220	1.77E-21	0.003	0.003	0.326	0.024	90.540	TRUE	9.65E-21
FEV1	NFATC4	cg10974463	rs8003102	C	T	-0.264	0.029	0.213	4.13E-20	-0.003	0.003	0.378	0.022	84.310	TRUE	1.86E-19
FEV1	NFATC4	cg13536265	rs140708216	A	G	0.567	0.080	0.025	1.81E-12	-0.008	0.009	0.365	0.013	49.658	TRUE	4.81E-12
FEV1	NFATC4	cg13536265	rs34657109	C	T	0.156	0.023	0.482	2.23E-11	-0.005	0.002	0.049	0.012	44.737	TRUE	1.10E-10

FEV1	NFATC4	cg13536265	rs8003102	C	T	0.566	0.028	0.213	1.66E-90	-0.003	0.003	0.378	0.099	406.765	TRUE	7.12E-86
FEV1	NFATC4	cg14058476	rs2332326	G	C	-0.375	0.037	0.113	3.06E-24	0.016	0.004	2.50E-05	0.027	103.126	TRUE	4.70E-22
FEV1	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	0.021	0.007	0.002	0.017	63.284	TRUE	3.04E-14
FEV1	SLC26A1	cg09153458	rs17802266	A	C	-0.223	0.027	0.245	1.46E-16	0.006	0.003	0.023	0.018	68.183	TRUE	1.51E-15
FEV1	SLC26A1	cg09153458	rs188806036	G	C	-0.581	0.027	0.242	1.13E-104	0.009	0.003	0.003	0.113	471.823	TRUE	5.35E-97
FEV1	SLC26A1	cg09153458	rs34406303	C	G	0.272	0.043	0.083	2.34E-10	0.000	0.004	0.926	0.011	40.136	TRUE	3.28E-10
FEV1	SLC26A1	cg09153458	rs3733344	G	T	0.378	0.023	0.458	4.41E-61	-0.006	0.002	0.018	0.068	271.733	TRUE	1.68E-57
FEV1	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	0.001	0.003	0.771	0.019	72.821	TRUE	3.21E-17
FEV1	SLC26A1	cg09153458	rs57186616	A	G	0.223	0.032	0.155	5.63E-12	-0.002	0.003	0.490	0.013	47.428	TRUE	1.25E-11
FEV1	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	-0.012	0.006	0.055	0.010	36.306	TRUE	6.48E-09
FEV1	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	-0.006	0.003	0.051	0.013	48.143	TRUE	2.00E-11
FEV1	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	0.005	0.002	0.032	0.008	30.232	TRUE	1.46E-07
FEV1	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	0.001	0.003	0.771	0.009	33.142	TRUE	1.24E-08
FEV1	SLC26A1	cg24226891	rs4690197	T	G	-0.273	0.029	0.204	9.62E-22	0.009	0.003	0.002	0.024	91.744	TRUE	3.57E-20
FEV1	SLC30A1	cg01575408	rs116433736	T	C	0.497	0.084	0.016	2.92E-09	0.001	0.009	0.910	0.009	35.218	TRUE	3.95E-09
FEV1	SLC30A1	cg01575408	rs12075221	T	G	0.286	0.035	0.114	2.55E-16	0.000	0.004	0.910	0.018	67.085	TRUE	4.77E-16
FEV1	SLC30A1	cg01575408	rs12565970	C	T	-0.195	0.026	0.264	8.36E-14	-0.003	0.003	0.329	0.015	55.690	TRUE	2.61E-13
FEV1	SLC30A1	cg01575408	rs139736682	A	G	0.650	0.087	0.015	1.05E-13	0.009	0.010	0.324	0.015	55.239	TRUE	3.21E-13
FEV1	SLC30A1	cg01575408	rs141581353	T	C	0.515	0.090	0.018	1.17E-08	-0.010	0.008	0.197	0.009	32.519	TRUE	2.96E-08
FEV1	SLC30A1	cg01575408	rs17639173	G	A	0.641	0.062	0.038	7.58E-25	-0.012	0.006	0.063	0.028	105.889	TRUE	1.30E-23
FEV1	SLC30A1	cg01575408	rs4951758	T	C	-0.148	0.023	0.436	2.32E-10	-0.001	0.002	0.727	0.011	40.151	TRUE	3.77E-10
FEV1	SLC30A1	cg01575408	rs575822062	C	T	0.523	0.093	0.029	1.61E-08	-0.038	0.038	0.320	0.009	31.896	TRUE	3.44E-08
FEV1	SLC30A1	cg01575408	rs611386	T	C	-0.228	0.029	0.178	6.94E-15	0.001	0.003	0.754	0.016	60.582	TRUE	1.40E-14
FEV1	SLC30A1	cg01575408	rs6540679	A	G	0.336	0.040	0.087	3.46E-17	-0.007	0.004	0.116	0.019	71.022	TRUE	2.22E-16
FEV1	SLC30A1	cg01575408	rs6659316	G	T	-0.217	0.023	0.495	8.10E-21	0.001	0.002	0.846	0.023	87.531	TRUE	2.14E-20
FEV1	SLC30A1	cg01575408	rs6680424	C	T	-0.191	0.023	0.414	2.77E-16	0.002	0.002	0.309	0.018	66.922	TRUE	1.04E-15
FEV1	SLC30A1	cg01575408	rs7526700	G	C	0.669	0.026	0.215	6.66E-143	-0.007	0.003	0.012	0.149	647.469	TRUE	1.78E-131
FEV1	SLC30A1	cg01575408	rs7527270	A	T	0.354	0.036	0.118	5.14E-23	0.005	0.004	0.204	0.026	97.539	TRUE	4.24E-22
FEV1	SLC30A1	cg01575408	rs78276214	A	T	0.402	0.049	0.056	3.37E-16	-0.001	0.005	0.790	0.018	66.539	TRUE	7.15E-16
FEV1	SLC30A2	cg00349061	rs11247870	A	C	0.161	0.024	0.474	8.25E-12	-0.007	0.002	0.002	0.012	46.680	TRUE	8.80E-11
FEV1	SLC30A2	cg00349061	rs12094933	C	T	-0.288	0.029	0.211	6.15E-24	0.017	0.003	1.79E-09	0.027	101.741	TRUE	4.84E-21
FEV1	SLC30A2	cg00349061	rs55904918	C	T	0.856	0.076	0.025	3.10E-29	0.000	0.007	0.993	0.033	125.913	TRUE	1.20E-28
FEV1	SLC30A2	cg00349061	rs6675604	A	G	0.207	0.030	0.200	2.39E-12	-0.014	0.003	1.22E-06	0.013	49.107	TRUE	8.18E-11
FEV1	SLC30A2	cg00349061	rs6686190	A	G	0.858	0.037	0.105	3.32E-117	-0.007	0.004	0.065	0.125	529.393	TRUE	2.76E-109
FEV1	SLC30A2	cg01689405	rs1317709	G	T	-0.273	0.028	0.211	8.41E-22	0.017	0.003	1.68E-09	0.024	92.011	TRUE	4.39E-19
FEV1	SLC30A9	cg07260532	rs2581454	A	G	0.302	0.031	0.186	7.81E-23	-0.008	0.003	0.015	0.025	96.712	TRUE	1.83E-21
FEV1	SLC30A9	cg10652277	rs148199707	T	C	-0.541	0.083	0.035	8.62E-11	-0.003	0.007	0.609	0.011	42.088	TRUE	1.59E-10
FEV1	SLC30A9	cg10652277	rs2660346	C	T	-0.495	0.030	0.183	1.13E-62	-0.007	0.003	0.016	0.070	279.041	TRUE	5.48E-59
FEV1	SLC30A9	cg10652277	rs61034470	A	G	-1.030	0.178	0.011	6.57E-09	0.006	0.011	0.598	0.009	33.640	TRUE	1.11E-08
FEV1	SLC30A9	cg20780337	rs35544582	C	A	-0.200	0.030	0.190	4.33E-11	-0.007	0.003	0.015	0.012	43.435	TRUE	2.78E-10
FEV1	SLC30A9	cg20780337	rs6830050	A	G	-1.011	0.055	0.044	1.27E-76	0.000	0.006	0.999	0.085	343.028	TRUE	1.07E-73
FEV1	SLC38A9	cg07042489	rs4865968	A	T	-0.170	0.024	0.334	3.61E-12	-0.008	0.003	0.002	0.013	48.299	TRUE	4.02E-11

FEV1	SLC38A9	cg07262873	rs6897117	T	C	-0.180	0.026	0.298	2.16E-12	-0.009	0.003	9.11E-04	0.013	49.305	TRUE	2.98E-11
FEV1	SLC38A9	cg26540004	rs4091933	C	G	0.149	0.027	0.257	3.34E-08	-0.004	0.003	0.106	0.008	30.485	TRUE	9.54E-08
FEV1	SLC38A9	cg26540004	rs73113700	C	A	0.881	0.099	0.013	3.87E-19	-0.008	0.009	0.379	0.021	79.891	TRUE	1.63E-18
FEV1	SLC39A11	cg04004363	rs6501598	C	T	-0.177	0.023	0.454	3.56E-14	0.000	0.002	0.989	0.015	57.365	TRUE	5.53E-14
FEV1	SLC39A11	cg08853318	rs2236752	A	T	0.152	0.027	0.239	2.93E-08	-0.001	0.003	0.787	0.008	30.736	TRUE	4.10E-08
FEV1	SLC39A11	cg08853318	rs34953967	C	T	-0.694	0.046	0.180	2.83E-52	-0.001	0.003	0.777	0.059	231.361	TRUE	1.37E-50
FEV1	SLC39A11	cg08853318	rs8073902	G	T	0.157	0.025	0.357	2.11E-10	0.004	0.003	0.154	0.011	40.339	TRUE	6.58E-10
FEV1	SLC39A11	cg08853318	rs8079240	C	T	-0.277	0.038	0.217	5.53E-13	0.000	0.003	0.962	0.014	51.980	TRUE	8.33E-13
FEV1	SLC39A11	cg08853318	rs903107	C	T	-0.142	0.024	0.451	1.71E-09	0.001	0.002	0.728	0.010	36.256	TRUE	2.68E-09
FEV1	SLC39A11	cg08875869	rs73995789	G	A	-0.857	0.057	0.042	4.57E-51	0.003	0.006	0.565	0.058	225.822	TRUE	2.95E-49
FEV1	SLC39A11	cg09464990	rs118073026	T	C	-0.369	0.055	0.043	2.21E-11	0.000	0.006	0.937	0.012	44.748	TRUE	3.19E-11
FEV1	SLC39A11	cg11761483	rs903107	C	T	0.223	0.023	0.451	3.12E-22	0.001	0.002	0.728	0.025	93.970	TRUE	1.02E-21
FEV1	SLC39A11	cg14233847	rs9910192	G	A	0.146	0.023	0.424	3.17E-10	0.005	0.002	0.047	0.011	39.544	TRUE	1.36E-09
FEV1	SLC39A11	cg14673722	rs7224715	T	C	-0.573	0.023	0.456	2.06E-142	0.000	0.002	0.911	0.149	645.211	TRUE	1.79E-133
FEV1	SLC39A11	cg15391883	rs56376687	G	A	0.408	0.020	0.497	3.39E-89	0.007	0.002	0.002	0.098	400.750	TRUE	7.11E-83
FEV1	SLC39A11	cg16434331	rs113446849	T	G	-1.623	0.060	0.036	5.61E-162	0.002	0.006	0.810	0.166	735.137	TRUE	1.28E-150
FEV1	SLC39A11	cg16434331	rs12942980	G	A	-0.168	0.026	0.286	1.12E-10	0.000	0.003	0.993	0.011	41.577	TRUE	1.50E-10
FEV1	SLC39A11	cg16434331	rs2567501	C	A	-0.358	0.026	0.275	8.14E-43	0.003	0.003	0.244	0.048	188.028	TRUE	4.37E-41
FEV1	SLC39A11	cg16434331	rs4793479	G	A	-0.239	0.025	0.373	5.74E-22	0.000	0.003	0.932	0.024	92.766	TRUE	1.45E-21
FEV1	SLC39A11	cg16434331	rs57262674	A	T	-0.187	0.024	0.412	4.03E-15	-0.003	0.002	0.250	0.016	61.651	TRUE	1.52E-14
FEV1	SLC39A11	cg16434331	rs7223064	C	T	-0.191	0.030	0.195	1.14E-10	0.002	0.003	0.586	0.011	41.538	TRUE	2.13E-10
FEV1	SLC39A11	cg16434331	rs8066857	T	C	-0.262	0.029	0.189	5.31E-19	0.002	0.003	0.535	0.021	79.265	TRUE	1.78E-18
FEV1	SLC39A11	cg22263591	rs35544910	A	G	0.365	0.052	0.141	2.69E-12	-0.001	0.003	0.776	0.013	48.878	TRUE	4.67E-12
FEV1	SLC39A11	cg24940950	rs2567469	T	C	-0.308	0.024	0.373	4.56E-38	-0.001	0.002	0.719	0.043	166.297	TRUE	5.58E-37
FEV1	SLC39A11	cg24940950	rs4793307	C	T	-0.164	0.027	0.250	6.73E-10	0.002	0.003	0.404	0.010	38.076	TRUE	1.42E-09
FEV1	SLC39A11	cg25901000	rs2466527	C	T	0.139	0.024	0.396	3.87E-09	0.005	0.002	0.059	0.009	34.671	TRUE	1.45E-08
FEV1	SLC39A11	cg26124719	rs111774634	C	G	-0.283	0.048	0.057	3.12E-09	0.005	0.005	0.353	0.009	35.088	TRUE	6.77E-09
FEV1	SLC39A11	cg27025137	rs2714036	A	C	-0.289	0.040	0.102	5.57E-13	-0.004	0.004	0.378	0.014	51.964	TRUE	1.50E-12
FEV1	SLC39A11	cg27025137	rs903107	C	T	0.141	0.023	0.451	1.94E-09	0.001	0.002	0.728	0.010	36.012	TRUE	3.04E-09
FEV1	SLC39A11	cg27248029	rs4969057	T	C	-0.303	0.026	0.281	1.87E-31	0.000	0.003	0.955	0.035	136.059	TRUE	9.05E-31
FEV1	SLC39A11	cg27248029	rs6501598	C	T	-0.395	0.023	0.454	1.49E-65	0.000	0.002	0.989	0.073	292.243	TRUE	2.53E-63
FEV1	SLC39A11	cg27399387	rs35141073	C	A	-0.153	0.024	0.380	3.89E-10	-0.004	0.002	0.121	0.010	39.145	TRUE	1.32E-09
FEV1	SLC39A11	cg27399387	rs55974215	A	C	-0.908	0.018	0.451	<1E-200	0.000	0.002	0.981	0.408	2545.629	TRUE	<1E-200
FEV1	SLC39A11	cg27399387	rs58936824	G	C	0.444	0.054	0.052	2.13E-16	0.003	0.006	0.571	0.018	67.439	TRUE	5.74E-16
FEV1	SLC39A11	cg27399387	rs62074575	C	G	0.419	0.053	0.144	1.57E-15	0.003	0.004	0.462	0.017	63.502	TRUE	4.50E-15
FEV1	SLC39A11	cg27399387	rs71380163	A	G	0.232	0.029	0.227	4.54E-16	0.003	0.003	0.380	0.018	65.950	TRUE	1.55E-15
FEV1	SLC39A11	cg27399387	rs8068237	C	A	-0.225	0.038	0.226	2.76E-09	0.002	0.003	0.573	0.009	35.324	TRUE	4.88E-09
FEV1	SLC39A11	cg27399387	rs9674849	A	G	0.462	0.072	0.056	1.19E-10	-0.004	0.005	0.477	0.011	41.459	TRUE	2.47E-10
FEV1	SLC39A12	cg10368935	rs10764298	G	A	-0.283	0.029	0.206	2.43E-22	-0.006	0.003	0.044	0.025	94.466	TRUE	3.80E-21
FEV1	SLC39A12	cg10368935	rs11012800	T	C	0.254	0.046	0.073	3.07E-08	-0.004	0.005	0.346	0.008	30.647	TRUE	6.28E-08
FEV1	SLC39A12	cg10368935	rs117217016	G	C	-0.587	0.077	0.025	2.86E-14	0.003	0.007	0.677	0.015	57.795	TRUE	6.05E-14
FEV1	SLC39A12	cg10368935	rs12262907	T	C	0.387	0.026	0.283	1.72E-51	-0.001	0.003	0.821	0.058	227.762	TRUE	7.22E-50

FEV1	SLC39A12	cg10368935	rs45447194	C	G	-0.202	0.033	0.149	9.64E-10	0.001	0.003	0.834	0.010	37.377	TRUE	1.41E-09
FEV1	SLC39A12	cg10368935	rs7074587	A	G	-0.139	0.024	0.488	4.08E-09	-0.003	0.002	0.176	0.009	34.566	TRUE	1.13E-08
FEV1	SLC39A12	cg10368935	rs7914927	T	C	0.723	0.060	0.039	7.21E-34	0.002	0.005	0.704	0.038	147.089	TRUE	6.12E-33
FEV1	SLC39A12	cg15072619	rs117217016	G	C	0.542	0.077	0.025	2.15E-12	0.003	0.007	0.677	0.013	49.319	TRUE	4.08E-12
FEV1	SLC39A12	cg15072619	rs12360277	G	T	-0.318	0.048	0.065	4.93E-11	-0.005	0.005	0.290	0.012	43.179	TRUE	1.31E-10
FEV1	SLC39A12	cg15072619	rs16916984	A	G	-0.730	0.059	0.040	7.94E-35	0.002	0.005	0.732	0.039	151.469	TRUE	7.03E-34
FEV1	SLC39A12	cg15072619	rs2437267	G	A	0.158	0.023	0.457	1.59E-11	-0.001	0.002	0.680	0.012	45.399	TRUE	2.91E-11
FEV1	SLC39A12	cg15072619	rs74548180	T	C	-0.225	0.025	0.325	3.24E-19	0.001	0.003	0.568	0.021	80.239	TRUE	1.05E-18
FEV1	SLC39A12	cg15072619	rs80188455	A	G	0.600	0.034	0.130	8.66E-69	-0.008	0.003	0.018	0.077	307.089	TRUE	1.11E-64
FEV1	SLC39A12	cg19856444	rs12780445	T	A	-0.300	0.028	0.217	2.87E-26	0.000	0.003	0.985	0.029	112.372	TRUE	9.17E-26
FEV1	SLC39A12	cg19856444	rs78120739	T	C	0.231	0.035	0.131	3.16E-11	-0.007	0.003	0.026	0.012	44.052	TRUE	1.79E-10
FEV1	SLC39A12	cg23335976	rs12359511	T	C	0.325	0.026	0.282	9.60E-37	-0.001	0.003	0.829	0.042	160.240	TRUE	8.42E-36
FEV1	SLC39A12	cg23335976	rs7096615	C	T	0.283	0.052	0.050	5.00E-08	0.000	0.005	0.987	0.008	29.702	TRUE	6.13E-08
FEV1	SLC39A12	cg26550234	rs12262907	T	C	-0.209	0.026	0.283	6.16E-16	-0.001	0.003	0.821	0.017	65.350	TRUE	1.25E-15
FEV1	SLC39A14	cg01754958	rs4872490	C	T	0.148	0.027	0.343	4.37E-08	-0.003	0.002	0.289	0.008	29.962	TRUE	9.45E-08
FEV1	SLC39A14	cg05254747	rs11136018	G	A	0.205	0.036	0.162	8.84E-09	0.010	0.003	0.002	0.009	33.062	TRUE	5.91E-08
FEV1	SLC39A14	cg05254747	rs4872484	T	C	-0.188	0.028	0.299	1.34E-11	-0.002	0.003	0.486	0.012	45.735	TRUE	2.89E-11
FEV1	SLC39A14	cg05487207	rs13258195	T	C	-0.216	0.031	0.230	1.47E-12	-0.001	0.003	0.646	0.013	50.067	TRUE	2.87E-12
FEV1	SLC39A14	cg05487207	rs7839390	T	C	0.456	0.069	0.037	3.61E-11	0.004	0.006	0.481	0.012	43.793	TRUE	7.74E-11
FEV1	SLC39A14	cg12081754	rs141286289	C	T	-0.327	0.045	0.071	5.02E-13	-0.005	0.004	0.290	0.014	52.169	TRUE	1.56E-12
FEV1	SLC39A14	cg12081754	rs141892929	A	G	1.254	0.020	0.234	<1E-200	-0.002	0.003	0.491	0.503	3743.873	TRUE	<1E-200
FEV1	SLC39A14	cg12081754	rs149485511	T	G	1.057	0.129	0.018	2.40E-16	0.000	0.008	0.988	0.018	67.206	TRUE	4.17E-16
FEV1	SLC39A14	cg12081754	rs2443499	C	T	-0.462	0.043	0.225	1.27E-26	0.000	0.003	0.879	0.030	113.990	TRUE	4.63E-26
FEV1	SLC39A14	cg12081754	rs2449346	C	T	0.365	0.025	0.434	7.49E-47	-0.002	0.002	0.445	0.053	206.511	TRUE	3.74E-45
FEV1	SLC39A14	cg12081754	rs2941199	A	T	-0.325	0.042	0.272	5.39E-15	0.004	0.003	0.141	0.016	61.081	TRUE	2.59E-14
FEV1	SLC39A14	cg12081754	rs33999442	T	C	-0.496	0.031	0.201	2.75E-56	0.006	0.003	0.035	0.063	249.755	TRUE	3.41E-53
FEV1	SLC39A14	cg12081754	rs36105277	G	A	0.388	0.025	0.441	7.24E-53	0.009	0.002	8.46E-05	0.060	234.072	TRUE	6.82E-49
FEV1	SLC39A14	cg12081754	rs4872004	T	C	0.327	0.027	0.303	4.19E-33	0.006	0.003	0.020	0.037	143.594	TRUE	3.04E-31
FEV1	SLC39A14	cg12081754	rs554208420	C	A	-0.359	0.055	0.049	8.73E-11	-0.007	0.005	0.152	0.011	42.063	TRUE	2.88E-10
FEV1	SLC39A14	cg12081754	rs6558170	C	G	-0.228	0.028	0.270	6.88E-16	0.003	0.003	0.191	0.017	65.132	TRUE	3.18E-15
FEV1	SLC39A14	cg12081754	rs73227857	T	C	-0.350	0.049	0.169	7.71E-13	-0.004	0.003	0.180	0.014	51.327	TRUE	2.80E-12
FEV1	SLC39A14	cg12081754	rs74774452	G	C	1.238	0.167	0.012	1.19E-13	-0.012	0.011	0.277	0.015	55.003	TRUE	3.90E-13
FEV1	SLC39A14	cg12081754	rs75269608	T	A	0.254	0.042	0.102	1.84E-09	0.007	0.004	0.083	0.010	36.120	TRUE	6.48E-09
FEV1	SLC39A14	cg13512537	rs10088686	A	C	0.225	0.028	0.268	1.99E-15	0.002	0.003	0.451	0.017	63.040	TRUE	5.89E-15
FEV1	SLC39A14	cg13512537	rs12676477	C	T	-0.754	0.026	0.295	1.44E-179	-0.001	0.003	0.607	0.181	815.999	TRUE	1.29E-165
FEV1	SLC39A14	cg13512537	rs148082025	A	G	0.302	0.034	0.162	1.24E-18	0.006	0.003	0.057	0.021	77.591	TRUE	1.19E-17
FEV1	SLC39A14	cg13512537	rs2449346	C	T	-0.154	0.026	0.434	1.97E-09	-0.002	0.002	0.445	0.010	35.982	TRUE	3.89E-09
FEV1	SLC39A14	cg13512537	rs28513286	G	C	-0.514	0.060	0.050	7.63E-18	0.003	0.005	0.592	0.020	74.007	TRUE	2.22E-17
FEV1	SLC39A14	cg13512537	rs4872477	A	G	-0.233	0.025	0.494	1.24E-20	0.008	0.002	5.85E-04	0.023	86.684	TRUE	5.40E-19
FEV1	SLC39A14	cg13512537	rs6998654	T	C	0.299	0.055	0.133	4.27E-08	0.001	0.004	0.804	0.008	30.008	TRUE	5.91E-08
FEV1	SLC39A14	cg13512537	rs75269608	T	A	-0.284	0.042	0.102	1.68E-11	0.007	0.004	0.083	0.012	45.282	TRUE	7.24E-11
FEV1	SLC39A14	cg14348540	rs4871996	C	T	0.422	0.035	0.160	2.32E-33	0.009	0.003	0.008	0.038	144.771	TRUE	2.54E-31

FEV1	SLC39A14	cg14348540	rs4872483	T	C	-0.221	0.028	0.300	1.99E-15	-0.002	0.003	0.472	0.017	63.036	TRUE	5.68E-15
FEV1	SLC39A14	cg15257755	rs141286289	C	T	-0.270	0.045	0.071	2.66E-09	-0.005	0.004	0.290	0.009	35.401	TRUE	6.25E-09
FEV1	SLC39A14	cg15257755	rs28684831	A	G	0.370	0.042	0.109	6.42E-19	0.011	0.004	0.005	0.021	78.892	TRUE	1.32E-17
FEV1	SLC39A14	cg15257755	rs59160602	G	A	0.587	0.054	0.052	2.25E-27	-0.005	0.005	0.325	0.031	117.420	TRUE	2.05E-26
FEV1	SLC39A14	cg15257755	rs6558033	C	T	0.472	0.025	0.454	6.64E-78	0.003	0.002	0.230	0.086	348.914	TRUE	5.76E-74
FEV1	SLC39A14	cg15257755	rs73544036	G	A	0.535	0.067	0.041	9.43E-16	0.004	0.006	0.487	0.017	64.511	TRUE	2.69E-15
FEV1	SLC39A14	cg18042586	rs1987226	T	C	0.602	0.026	0.340	2.94E-119	-0.003	0.002	0.211	0.127	538.822	TRUE	1.11E-111
FEV1	SLC39A14	cg18042586	rs199957148	A	C	0.374	0.068	0.040	3.55E-08	0.004	0.006	0.526	0.008	30.362	TRUE	6.08E-08
FEV1	SLC39A14	cg18042586	rs2449344	T	C	-0.276	0.049	0.064	1.34E-08	-0.006	0.005	0.226	0.009	32.248	TRUE	3.26E-08
FEV1	SLC39A14	cg18042586	rs2469765	C	T	0.212	0.025	0.446	7.79E-17	-0.001	0.002	0.661	0.018	69.424	TRUE	1.92E-16
FEV1	SLC39A14	cg18042586	rs2645	T	C	0.158	0.025	0.462	4.43E-10	0.005	0.002	0.036	0.010	38.893	TRUE	2.07E-09
FEV1	SLC39A14	cg18042586	rs76660160	G	A	-0.231	0.034	0.160	1.83E-11	0.003	0.003	0.292	0.012	45.116	TRUE	4.93E-11
FEV1	SLC39A14	cg19595092	rs73227818	C	T	-0.247	0.030	0.235	2.64E-16	-0.002	0.003	0.457	0.018	67.019	TRUE	8.11E-16
FEV1	SLC39A14	cg23129673	rs13266541	A	G	0.880	0.026	0.291	8.33E-253	-0.001	0.003	0.636	0.238	1152.742	TRUE	1.82E-227
FEV1	SLC39A14	cg23129673	rs141286289	C	T	-0.272	0.045	0.071	1.90E-09	-0.005	0.004	0.290	0.010	36.051	TRUE	4.53E-09
FEV1	SLC39A14	cg23129673	rs148082025	A	G	-0.330	0.034	0.162	5.07E-22	0.006	0.003	0.057	0.025	93.012	TRUE	6.82E-21
FEV1	SLC39A14	cg23129673	rs2272716	C	T	-0.178	0.032	0.191	3.54E-08	-0.001	0.003	0.816	0.008	30.368	TRUE	4.88E-08
FEV1	SLC39A14	cg23129673	rs2449336	A	G	-0.284	0.045	0.211	2.51E-10	0.006	0.003	0.026	0.011	39.999	TRUE	1.27E-09
FEV1	SLC39A14	cg23129673	rs2469765	C	T	0.230	0.025	0.446	1.41E-19	-0.001	0.002	0.661	0.022	81.892	TRUE	4.11E-19
FEV1	SLC39A14	cg23129673	rs28511282	A	G	0.572	0.060	0.049	2.18E-21	0.005	0.005	0.321	0.024	90.127	TRUE	1.22E-20
FEV1	SLC39A14	cg23129673	rs4872004	T	C	0.194	0.027	0.303	1.47E-12	0.006	0.003	0.020	0.013	50.060	TRUE	1.03E-11
FEV1	SLC39A14	cg23129673	rs4872465	T	G	0.294	0.043	0.100	8.71E-12	0.007	0.004	0.057	0.012	46.573	TRUE	4.28E-11
FEV1	SLC39A14	cg23129673	rs4872477	A	G	0.227	0.025	0.494	1.50E-19	0.008	0.002	5.85E-04	0.022	81.758	TRUE	5.65E-18
FEV1	SLC39A14	cg23129673	rs73227857	T	C	-0.285	0.049	0.169	6.19E-09	-0.004	0.003	0.180	0.009	33.755	TRUE	1.63E-08
FEV1	SLC39A14	cg23563866	rs6994140	A	G	0.312	0.036	0.153	7.73E-18	0.010	0.003	0.004	0.020	73.980	TRUE	1.43E-16
FEV1	SLC39A14	cg23882724	rs4871996	C	T	0.200	0.035	0.160	1.63E-08	0.009	0.003	0.008	0.009	31.877	TRUE	8.60E-08
FEV1	SLC39A14	cg25257677	rs11136018	G	A	0.213	0.036	0.162	2.23E-09	0.010	0.003	0.002	0.010	35.746	TRUE	1.62E-08
FEV1	SLC39A14	cg25257677	rs4872483	T	C	-0.186	0.028	0.300	2.30E-11	-0.002	0.003	0.472	0.012	44.669	TRUE	5.04E-11
FEV1	SLC39A14	cg27467876	rs12548863	T	A	-0.945	0.056	0.055	3.36E-63	0.005	0.005	0.321	0.071	281.451	TRUE	1.96E-60
FEV1	SLC39A14	cg27467876	rs141286289	C	T	0.429	0.045	0.071	2.10E-21	-0.005	0.004	0.290	0.024	90.197	TRUE	1.26E-20
FEV1	SLC39A14	cg27467876	rs141892929	A	G	-1.228	0.021	0.234	<1E-200	-0.002	0.003	0.491	0.483	3458.308	TRUE	<1E-200
FEV1	SLC39A14	cg27467876	rs148082025	A	G	0.527	0.034	0.162	1.03E-54	0.006	0.003	0.057	0.062	242.545	TRUE	7.21E-52
FEV1	SLC39A14	cg27467876	rs149485511	T	G	-0.958	0.129	0.018	1.17E-13	0.000	0.008	0.988	0.015	55.035	TRUE	1.78E-13
FEV1	SLC39A14	cg27467876	rs193004879	T	C	-0.962	0.167	0.012	9.12E-09	-0.015	0.011	0.193	0.009	33.003	TRUE	2.34E-08
FEV1	SLC39A14	cg27467876	rs2443499	C	T	0.486	0.043	0.225	1.89E-29	0.000	0.003	0.879	0.033	126.896	TRUE	8.49E-29
FEV1	SLC39A14	cg27467876	rs2449336	A	G	0.374	0.045	0.211	5.14E-17	0.006	0.003	0.026	0.019	70.243	TRUE	5.34E-16
FEV1	SLC39A14	cg27467876	rs2449346	C	T	-0.341	0.025	0.434	5.06E-41	-0.002	0.002	0.445	0.046	179.818	TRUE	1.33E-39
FEV1	SLC39A14	cg27467876	rs36105277	G	A	-0.464	0.025	0.441	7.89E-76	0.009	0.002	8.46E-05	0.084	339.393	TRUE	4.89E-70
FEV1	SLC39A14	cg27467876	rs554208420	C	A	0.381	0.055	0.049	5.65E-12	-0.007	0.005	0.152	0.013	47.422	TRUE	2.06E-11
FEV1	SLC39A14	cg27467876	rs73227857	T	C	0.468	0.048	0.169	5.24E-22	-0.004	0.003	0.180	0.025	92.944	TRUE	4.14E-21
FEV1	SLC39A14	cg27467876	rs75048938	G	C	0.242	0.044	0.088	4.02E-08	-0.004	0.004	0.305	0.008	30.123	TRUE	8.46E-08
FEV1	SLC39A14	cg27467876	rs75269608	T	A	-0.463	0.042	0.102	3.06E-28	0.007	0.004	0.083	0.032	121.374	TRUE	6.77E-27

FEV1	SLC39A4	cg00065570	rs2242269	G	A	0.248	0.023	0.489	1.96E-26	0.008	0.002	6.93E-04	0.030	113.127	TRUE	1.99E-24
FEV1	SLC39A4	cg02583091	rs2291133	T	G	-0.132	0.024	0.424	3.18E-08	-0.008	0.002	9.49E-04	0.008	30.581	TRUE	2.20E-07
FEV1	SLC39A4	cg02583091	rs35847380	T	C	0.881	0.044	0.077	2.23E-89	-0.016	0.004	2.52E-04	0.098	401.585	TRUE	1.38E-82
FEV1	SLC39A4	cg02583091	rs62531506	A	G	0.253	0.036	0.140	1.45E-12	-0.007	0.003	0.040	0.013	50.084	TRUE	8.63E-12
FEV1	SLC39A4	cg02583091	rs7015683	G	T	0.243	0.024	0.436	7.03E-24	-0.005	0.002	0.058	0.027	101.479	TRUE	1.11E-22
FEV1	SLC39A4	cg03453890	rs2977837	A	G	-0.711	0.045	0.076	2.21E-56	-0.015	0.004	4.16E-04	0.063	250.182	TRUE	2.06E-52
FEV1	SLC39A4	cg04600798	rs7843675	G	A	-0.307	0.045	0.076	9.28E-12	-0.016	0.004	3.93E-04	0.012	46.449	TRUE	1.26E-10
FEV1	SLC39A4	cg05574324	rs4925858	A	G	0.151	0.023	0.483	6.24E-11	0.009	0.002	2.89E-04	0.011	42.720	TRUE	8.16E-10
FEV1	SLC39A4	cg05574324	rs7813146	C	T	-0.346	0.045	0.076	9.85E-15	-0.015	0.004	4.16E-04	0.016	59.893	TRUE	2.03E-13
FEV1	SLC39A4	cg05681977	rs2291133	T	G	-0.149	0.024	0.424	5.02E-10	-0.008	0.002	9.49E-04	0.010	38.650	TRUE	4.58E-09
FEV1	SLC39A4	cg05681977	rs35847380	T	C	0.932	0.044	0.077	1.26E-100	-0.016	0.004	2.52E-04	0.109	453.242	TRUE	9.23E-93
FEV1	SLC39A4	cg05681977	rs62531499	T	C	0.268	0.036	0.139	8.94E-14	-0.007	0.003	0.051	0.015	55.557	TRUE	5.42E-13
FEV1	SLC39A4	cg05681977	rs7814545	A	G	0.256	0.024	0.436	2.88E-26	-0.004	0.002	0.068	0.029	112.370	TRUE	5.36E-25
FEV1	SLC39A4	cg07933378	rs11776445	A	G	0.945	0.017	0.489	<1E-200	0.008	0.002	6.05E-04	0.446	2971.977	TRUE	<1E-200
FEV1	SLC39A4	cg07933378	rs118063632	T	C	0.442	0.041	0.096	1.91E-27	0.009	0.004	0.038	0.031	117.740	TRUE	5.36E-26
FEV1	SLC39A4	cg07933378	rs12681727	A	G	0.196	0.036	0.117	3.45E-08	0.008	0.004	0.021	0.008	30.419	TRUE	1.43E-07
FEV1	SLC39A4	cg07933378	rs13264480	A	G	-0.455	0.067	0.034	1.39E-11	0.000	0.006	0.993	0.012	45.662	TRUE	1.94E-11
FEV1	SLC39A4	cg07933378	rs144378245	A	G	0.387	0.063	0.033	9.95E-10	-0.004	0.006	0.502	0.010	37.315	TRUE	1.90E-09
FEV1	SLC39A4	cg07933378	rs145477989	T	C	-0.599	0.102	0.029	4.13E-09	-0.009	0.007	0.205	0.009	34.542	TRUE	1.07E-08
FEV1	SLC39A4	cg07933378	rs186891026	A	C	0.569	0.041	0.093	1.14E-44	0.012	0.004	0.005	0.050	196.521	TRUE	6.69E-42
FEV1	SLC39A4	cg07933378	rs35847380	T	C	-0.503	0.045	0.077	3.27E-29	-0.016	0.004	2.52E-04	0.033	125.810	TRUE	5.81E-27
FEV1	SLC39A4	cg07933378	rs4330728	A	G	-0.189	0.024	0.454	1.74E-15	-0.006	0.002	0.010	0.017	63.310	TRUE	2.02E-14
FEV1	SLC39A4	cg07933378	rs4977200	A	G	-0.298	0.024	0.386	5.48E-35	-0.017	0.003	2.82E-12	0.040	152.207	TRUE	8.13E-31
FEV1	SLC39A4	cg07933378	rs56041273	T	C	0.631	0.047	0.060	2.74E-40	0.018	0.005	2.22E-04	0.046	176.460	TRUE	2.56E-37
FEV1	SLC39A4	cg07933378	rs62531506	A	G	-0.307	0.036	0.140	7.50E-18	-0.007	0.003	0.040	0.020	74.041	TRUE	7.71E-17
FEV1	SLC39A4	cg07933378	rs72699313	C	A	0.285	0.038	0.093	1.26E-13	0.004	0.004	0.345	0.015	54.878	TRUE	3.75E-13
FEV1	SLC39A4	cg07933378	rs80233585	A	G	-0.265	0.023	0.462	8.46E-30	-0.011	0.002	1.51E-06	0.034	128.491	TRUE	6.10E-27
FEV1	SLC39A4	cg08969922	rs1011212	T	C	0.142	0.023	0.485	9.62E-10	0.008	0.002	4.17E-04	0.010	37.380	TRUE	1.01E-08
FEV1	SLC39A4	cg12676500	rs2721188	C	T	0.250	0.024	0.392	8.32E-25	-0.006	0.002	0.010	0.028	105.704	TRUE	2.98E-23
FEV1	SLC39A4	cg12676500	rs2977837	A	G	-0.852	0.045	0.076	3.73E-81	-0.015	0.004	4.16E-04	0.090	363.832	TRUE	3.23E-75
FEV1	SLC39A4	cg14228592	rs2291133	T	G	-0.141	0.024	0.424	4.15E-09	-0.008	0.002	9.49E-04	0.009	34.531	TRUE	3.30E-08
FEV1	SLC39A4	cg14228592	rs35847380	T	C	0.973	0.044	0.077	3.89E-110	-0.016	0.004	2.52E-04	0.118	496.918	TRUE	2.65E-101
FEV1	SLC39A4	cg14228592	rs62531499	T	C	0.271	0.036	0.139	3.95E-14	-0.007	0.003	0.051	0.015	57.164	TRUE	2.48E-13
FEV1	SLC39A4	cg14228592	rs7814545	A	G	0.275	0.024	0.436	3.14E-30	-0.004	0.002	0.068	0.034	130.459	TRUE	8.90E-29
FEV1	SLC39A4	cg18246227	rs2977837	A	G	0.515	0.045	0.076	5.06E-30	-0.015	0.004	4.16E-04	0.034	129.512	TRUE	8.61E-28
FEV1	SLC39A4	cg20259557	rs2721188	C	T	0.211	0.024	0.392	5.12E-18	-0.006	0.002	0.010	0.020	74.794	TRUE	8.25E-17
FEV1	SLC39A4	cg20259557	rs2977837	A	G	-0.612	0.045	0.076	8.03E-42	-0.015	0.004	4.16E-04	0.047	183.477	TRUE	7.50E-39
FEV1	SLC39A4	cg24625894	rs7813146	C	T	-0.260	0.045	0.076	6.85E-09	-0.015	0.004	4.16E-04	0.009	33.559	TRUE	5.89E-08
FEV1	SLC40A1	cg01158447	rs13015236	C	T	-0.252	0.024	0.385	2.15E-26	-0.004	0.002	0.107	0.030	112.943	TRUE	3.44E-25
FEV1	SLC40A1	cg10752008	rs1123109	C	T	0.778	0.027	0.226	6.33E-181	-0.005	0.003	0.056	0.182	822.233	TRUE	3.52E-165
FEV1	SLC40A1	cg10752008	rs114838626	C	G	0.563	0.072	0.020	3.88E-15	-0.018	0.007	0.017	0.016	61.726	TRUE	3.78E-14
FEV1	SLC40A1	cg10752008	rs11683621	T	C	-0.209	0.034	0.147	5.32E-10	0.001	0.003	0.845	0.010	38.534	TRUE	7.74E-10

FEV1	SLC40A1	cg10752008	rs11896326	C	T	-0.258	0.034	0.150	2.38E-14	0.001	0.003	0.670	0.015	58.161	TRUE	5.03E-14
FEV1	SLC40A1	cg10752008	rs13006842	G	T	0.330	0.060	0.080	3.54E-08	-0.006	0.004	0.163	0.008	30.368	TRUE	9.17E-08
FEV1	SLC40A1	cg10752008	rs35475196	A	C	0.160	0.025	0.320	1.98E-10	0.000	0.003	0.903	0.011	40.467	TRUE	2.82E-10
FEV1	SLC40A1	cg10752008	rs6434353	C	A	0.402	0.048	0.065	4.74E-17	0.001	0.005	0.803	0.019	70.403	TRUE	1.03E-16
FEV1	SLC40A1	cg10752008	rs75949659	A	C	0.431	0.044	0.088	7.01E-23	-0.009	0.004	0.043	0.026	96.925	TRUE	1.17E-21
FEV1	SLC40A1	cg11692477	rs1123110	G	A	0.223	0.024	0.382	2.82E-20	-0.003	0.002	0.178	0.022	85.068	TRUE	2.00E-19
FEV1	SLC40A1	cg14499385	rs10497704	A	G	-0.262	0.048	0.066	3.73E-08	0.004	0.005	0.395	0.008	30.269	TRUE	7.16E-08
FEV1	SLC40A1	cg14499385	rs12622938	A	C	0.334	0.060	0.042	2.48E-08	0.002	0.006	0.801	0.008	31.060	TRUE	3.50E-08
FEV1	SLC40A1	cg14499385	rs3811621	C	G	0.520	0.026	0.279	1.54E-90	-0.006	0.003	0.030	0.099	406.923	TRUE	7.36E-85
FEV1	SLC40A1	cg14499385	rs72908658	A	G	0.389	0.070	0.025	2.91E-08	-0.012	0.007	0.095	0.008	30.747	TRUE	8.67E-08
FEV1	SLC40A1	cg14499385	rs75818079	C	G	-0.435	0.076	0.027	1.27E-08	-0.002	0.008	0.839	0.009	32.354	TRUE	1.77E-08
FEV1	SLC40A1	cg14499385	rs9789465	T	C	0.136	0.024	0.465	1.00E-08	-0.002	0.002	0.348	0.009	32.818	TRUE	2.12E-08
FEV1	SLC40A1	cg15599483	rs12693542	G	A	0.217	0.027	0.264	1.22E-15	-0.007	0.003	0.015	0.017	64.010	TRUE	1.26E-14
FEV1	SLC40A1	cg15599483	rs141418891	G	A	0.380	0.058	0.047	5.09E-11	-0.008	0.006	0.188	0.012	43.120	TRUE	1.59E-10
FEV1	SLC40A1	cg19075346	rs1123109	C	T	-0.463	0.028	0.226	2.72E-61	-0.005	0.003	0.056	0.069	272.701	TRUE	5.23E-58
FEV1	SMPD1	cg18477969	rs1050239	A	G	-0.696	0.026	0.242	4.08E-152	0.010	0.003	1.36E-04	0.157	689.808	TRUE	3.66E-138
FEV1	SMPD1	cg18477969	rs4758104	T	C	0.184	0.033	0.412	1.47E-08	0.000	0.003	0.932	0.009	32.069	TRUE	1.90E-08
FEV1	SMPD1	cg24682012	rs1050239	A	G	-0.233	0.028	0.242	6.16E-17	0.010	0.003	1.36E-04	0.019	69.889	TRUE	2.27E-15
FEV1	SMPD1	cg24682012	rs7103750	G	C	0.645	0.036	0.109	3.70E-71	0.000	0.004	0.939	0.079	317.960	TRUE	1.58E-68
FEV1	SNAI1	cg22815953	rs6095726	G	A	-0.233	0.030	0.193	4.92E-15	-0.006	0.003	0.031	0.016	61.257	TRUE	4.02E-14
FEV1	SNAI1	cg23100428	rs6020170	G	A	0.204	0.030	0.193	7.21E-12	-0.006	0.003	0.031	0.013	46.944	TRUE	4.20E-11
FEV1	SNAI1	cg25655593	rs118050118	A	G	0.674	0.123	0.022	4.54E-08	0.002	0.008	0.759	0.008	29.886	TRUE	6.50E-08
FEV1	SNAI1	cg25655593	rs6020178	C	T	0.230	0.030	0.192	1.04E-14	-0.006	0.003	0.035	0.016	59.780	TRUE	8.01E-14
FEV1	SNAI1	cg26873164	rs5014389	A	T	-0.588	0.039	0.102	1.43E-52	-0.005	0.004	0.154	0.059	232.715	TRUE	3.71E-50
FEV1	SNAI1	cg26873164	rs6067330	A	G	0.139	0.024	0.474	5.35E-09	0.006	0.002	0.012	0.009	34.041	TRUE	2.72E-08
FEV1	SNCA	cg01035160	rs6812192	A	G	-0.147	0.023	0.495	2.10E-10	0.004	0.002	0.138	0.011	40.349	TRUE	7.05E-10
FEV1	SNCA	cg01966878	rs10516864	G	A	-0.277	0.024	0.444	1.60E-31	-0.003	0.002	0.270	0.036	136.361	TRUE	2.40E-30
FEV1	SNCA	cg01966878	rs13125108	G	T	-0.194	0.023	0.478	8.83E-17	-0.005	0.002	0.050	0.018	69.178	TRUE	7.32E-16
FEV1	SNCA	cg01966878	rs142993106	A	G	0.757	0.098	0.012	1.28E-14	0.019	0.010	0.052	0.016	59.384	TRUE	8.41E-14
FEV1	SNCA	cg01966878	rs149899944	T	G	0.595	0.068	0.031	1.83E-18	-0.007	0.008	0.348	0.020	76.825	TRUE	7.76E-18
FEV1	SNCA	cg01966878	rs17016330	T	C	0.607	0.070	0.029	7.30E-18	-0.002	0.007	0.751	0.020	74.095	TRUE	1.76E-17
FEV1	SNCA	cg01966878	rs17795442	C	T	0.457	0.067	0.028	9.50E-12	0.004	0.007	0.579	0.012	46.405	TRUE	1.91E-11
FEV1	SNCA	cg01966878	rs1837890	A	C	0.513	0.026	0.256	1.23E-88	-0.004	0.003	0.185	0.097	398.182	TRUE	9.14E-84
FEV1	SNCA	cg01966878	rs1841625	G	A	-0.242	0.024	0.433	2.47E-24	-0.001	0.002	0.736	0.027	103.551	TRUE	9.25E-24
FEV1	SNCA	cg01966878	rs34305125	A	G	0.712	0.080	0.025	3.59E-19	-0.001	0.008	0.863	0.021	80.039	TRUE	8.31E-19
FEV1	SNCA	cg01966878	rs3756059	G	A	0.797	0.020	0.484	<1E-200	0.004	0.002	0.086	0.295	1547.224	TRUE	2.45E-294
FEV1	SNCA	cg01966878	rs3775465	C	A	-0.409	0.046	0.077	2.75E-19	-0.001	0.005	0.884	0.021	80.565	TRUE	6.31E-19
FEV1	SNCA	cg01966878	rs62306279	C	T	-0.326	0.054	0.050	1.05E-09	0.000	0.005	0.932	0.010	37.209	TRUE	1.42E-09
FEV1	SNCA	cg01966878	rs62312689	A	G	-0.288	0.045	0.072	1.91E-10	0.008	0.005	0.109	0.011	40.530	TRUE	6.81E-10
FEV1	SNCA	cg01966878	rs6532182	T	A	-0.192	0.033	0.140	8.69E-09	0.004	0.003	0.254	0.009	33.097	TRUE	2.06E-08
FEV1	SNCA	cg01966878	rs72881699	G	A	0.269	0.038	0.108	1.18E-12	0.005	0.004	0.198	0.013	50.495	TRUE	4.14E-12
FEV1	SNCA	cg02192967	rs6532198	C	T	-0.179	0.023	0.480	9.69E-15	0.003	0.002	0.162	0.016	59.925	TRUE	4.47E-14

FEV1	SNCA	cg06632027	rs11728457	G	A	0.167	0.028	0.250	1.48E-09	-0.002	0.003	0.528	0.010	36.544	TRUE	2.74E-09
FEV1	SNCA	cg06632027	rs1372520	T	C	0.629	0.028	0.209	4.24E-113	-0.003	0.003	0.288	0.121	510.531	TRUE	2.71E-106
FEV1	SNCA	cg06632027	rs142993106	A	G	0.548	0.098	0.012	2.52E-08	0.019	0.010	0.052	0.008	31.031	TRUE	8.75E-08
FEV1	SNCA	cg06632027	rs17016330	T	C	0.557	0.071	0.029	2.75E-15	-0.002	0.007	0.751	0.017	62.406	TRUE	5.72E-15
FEV1	SNCA	cg06632027	rs17810668	G	A	-0.418	0.066	0.066	2.73E-10	0.005	0.005	0.328	0.011	39.836	TRUE	6.55E-10
FEV1	SNCA	cg06632027	rs189994040	T	A	0.586	0.107	0.012	4.67E-08	-0.006	0.010	0.568	0.008	29.833	TRUE	7.72E-08
FEV1	SNCA	cg06632027	rs71609574	A	G	0.671	0.084	0.021	1.26E-15	0.003	0.009	0.713	0.017	63.934	TRUE	2.79E-15
FEV1	SNCA	cg08767460	rs10516863	T	C	-0.219	0.032	0.166	5.74E-12	-0.003	0.003	0.302	0.013	47.391	TRUE	1.60E-11
FEV1	SNCA	cg08767460	rs111450301	T	G	0.689	0.068	0.028	2.21E-24	0.006	0.008	0.418	0.027	103.768	TRUE	1.33E-23
FEV1	SNCA	cg08767460	rs13125108	G	T	-0.203	0.023	0.478	2.71E-18	-0.005	0.002	0.050	0.020	76.050	TRUE	2.62E-17
FEV1	SNCA	cg08767460	rs143823825	A	G	0.594	0.095	0.014	3.70E-10	0.012	0.009	0.192	0.010	39.246	TRUE	1.06E-09
FEV1	SNCA	cg08767460	rs17174961	A	G	0.196	0.025	0.347	2.78E-15	0.003	0.003	0.192	0.017	62.381	TRUE	1.20E-14
FEV1	SNCA	cg08767460	rs2120374	A	G	0.373	0.024	0.393	5.45E-56	0.004	0.002	0.092	0.063	248.387	TRUE	3.23E-53
FEV1	SNCA	cg08767460	rs2583990	A	G	-0.368	0.028	0.221	7.64E-40	-0.003	0.003	0.240	0.045	174.421	TRUE	3.03E-38
FEV1	SNCA	cg08767460	rs3055038	C	T	0.798	0.088	0.020	8.21E-20	0.007	0.009	0.453	0.022	82.955	TRUE	3.27E-19
FEV1	SNCA	cg08767460	rs35175911	C	T	0.169	0.030	0.186	1.91E-08	0.001	0.003	0.722	0.008	31.570	TRUE	2.85E-08
FEV1	SNCA	cg08767460	rs356199	G	A	1.040	0.019	0.291	<1E-200	0.008	0.003	0.004	0.440	2902.091	TRUE	<1E-200
FEV1	SNCA	cg08767460	rs3775434	G	A	-0.339	0.036	0.125	3.18E-21	-0.003	0.004	0.461	0.024	89.378	TRUE	1.40E-20
FEV1	SNCA	cg08767460	rs4694012	A	G	-0.191	0.029	0.200	6.22E-11	-0.001	0.003	0.773	0.011	42.727	TRUE	1.00E-10
FEV1	SNCA	cg08767460	rs56068881	T	C	0.852	0.119	0.011	6.59E-13	-0.002	0.012	0.865	0.014	51.635	TRUE	1.09E-12
FEV1	SNCA	cg08767460	rs62306323	T	C	-0.386	0.050	0.109	1.07E-14	0.003	0.004	0.361	0.016	59.722	TRUE	3.31E-14
FEV1	SNCA	cg08767460	rs6840386	T	C	-0.425	0.071	0.026	2.32E-09	0.003	0.007	0.694	0.010	35.662	TRUE	3.72E-09
FEV1	SNCA	cg08767460	rs72659431	A	G	0.880	0.069	0.033	8.37E-37	-0.005	0.007	0.430	0.042	160.512	TRUE	1.48E-35
FEV1	SNCA	cg08767460	rs72659464	G	T	0.759	0.082	0.040	2.87E-20	0.006	0.007	0.371	0.022	85.030	TRUE	1.34E-19
FEV1	SNCA	cg08767460	rs74360999	C	A	-0.211	0.025	0.328	1.28E-17	0.002	0.002	0.350	0.019	72.986	TRUE	5.14E-17
FEV1	SNCA	cg08767460	rs75878722	G	A	-0.256	0.045	0.075	1.64E-08	0.004	0.005	0.346	0.009	31.867	TRUE	3.37E-08
FEV1	SNCA	cg08767460	rs76735357	A	G	-0.322	0.052	0.113	5.03E-10	-0.003	0.004	0.490	0.010	38.644	TRUE	9.86E-10
FEV1	SNCA	cg08767460	rs78387881	A	G	0.487	0.083	0.022	3.94E-09	0.009	0.008	0.216	0.009	34.634	TRUE	1.01E-08
FEV1	SNCA	cg08767460	rs79517939	A	G	0.713	0.063	0.083	4.31E-30	0.011	0.005	0.013	0.034	129.828	TRUE	2.51E-28
FEV1	SNCA	cg11512365	rs6841352	T	G	0.133	0.023	0.461	1.11E-08	-0.003	0.002	0.185	0.009	32.623	TRUE	2.90E-08
FEV1	SNCA	cg11661187	rs2737026	A	G	-0.215	0.028	0.226	5.25E-15	-0.003	0.003	0.244	0.016	61.131	TRUE	2.05E-14
FEV1	SNCA	cg14346243	rs1372519	A	G	0.707	0.028	0.209	1.60E-144	-0.003	0.003	0.278	0.150	654.912	TRUE	2.42E-134
FEV1	SNCA	cg14346243	rs149899944	T	G	0.431	0.068	0.031	2.36E-10	-0.007	0.008	0.348	0.011	40.121	TRUE	5.57E-10
FEV1	SNCA	cg14346243	rs17016330	T	C	0.540	0.070	0.029	1.72E-14	-0.002	0.007	0.751	0.016	58.803	TRUE	3.41E-14
FEV1	SNCA	cg14346243	rs2119787	G	A	-0.261	0.024	0.397	4.60E-28	-0.003	0.002	0.280	0.032	120.565	TRUE	4.97E-27
FEV1	SNCA	cg14346243	rs34266626	C	G	0.200	0.024	0.385	9.18E-17	0.004	0.002	0.124	0.018	69.100	TRUE	5.48E-16
FEV1	SNCA	cg14346243	rs34305125	A	G	0.687	0.079	0.025	5.62E-18	-0.001	0.008	0.863	0.020	74.609	TRUE	1.21E-17
FEV1	SNCA	cg14346243	rs58105555	G	A	-0.142	0.025	0.305	2.17E-08	0.000	0.003	0.965	0.008	31.320	TRUE	2.72E-08
FEV1	SNCA	cg15133208	rs10018362	C	T	-0.224	0.037	0.114	2.08E-09	-0.003	0.004	0.511	0.010	35.874	TRUE	3.89E-09
FEV1	SNCA	cg15133208	rs11097238	T	C	-0.403	0.024	0.393	8.66E-66	-0.003	0.002	0.259	0.073	293.324	TRUE	9.29E-63
FEV1	SNCA	cg15133208	rs1372519	A	G	0.941	0.025	0.209	<1E-200	-0.003	0.003	0.278	0.278	1426.103	TRUE	1.34E-274
FEV1	SNCA	cg15133208	rs1381352	T	G	-0.185	0.024	0.432	8.69E-15	-0.001	0.002	0.743	0.016	60.139	TRUE	1.78E-14

FEV1	SNCA	cg15133208	rs142993106	A	G	0.741	0.098	0.012	4.46E-14	0.019	0.010	0.052	0.015	56.922	TRUE	2.79E-13
FEV1	SNCA	cg15133208	rs147876949	C	T	0.722	0.106	0.012	1.00E-11	-0.006	0.010	0.568	0.012	46.304	TRUE	2.04E-11
FEV1	SNCA	cg15133208	rs149899944	T	G	0.664	0.068	0.031	1.07E-22	-0.007	0.008	0.348	0.025	96.097	TRUE	6.32E-22
FEV1	SNCA	cg15133208	rs17016330	T	C	0.676	0.070	0.029	7.24E-22	-0.002	0.007	0.751	0.024	92.306	TRUE	2.26E-21
FEV1	SNCA	cg15133208	rs28870145	G	A	0.352	0.058	0.041	1.19E-09	0.010	0.006	0.086	0.010	36.971	TRUE	4.14E-09
FEV1	SNCA	cg15133208	rs34305125	A	G	0.790	0.079	0.025	2.65E-23	-0.001	0.008	0.863	0.026	98.849	TRUE	7.94E-23
FEV1	SNCA	cg15133208	rs62312689	A	G	-0.250	0.045	0.072	3.40E-08	0.008	0.005	0.109	0.008	30.451	TRUE	9.80E-08
FEV1	SNCA	cg15133208	rs74786971	C	G	-0.295	0.046	0.077	1.45E-10	-0.002	0.005	0.640	0.011	41.072	TRUE	2.58E-10
FEV1	SNCA	cg15133208	rs7688033	T	G	0.219	0.038	0.108	6.95E-09	0.005	0.004	0.205	0.009	33.532	TRUE	1.77E-08
FEV1	SNCA	cg18258770	rs2619371	G	A	0.141	0.026	0.282	4.41E-08	0.008	0.003	0.003	0.008	29.942	TRUE	2.53E-07
FEV1	SNCA	cg20003494	rs11097238	T	C	-0.362	0.024	0.393	3.88E-53	-0.003	0.002	0.259	0.060	235.313	TRUE	7.08E-51
FEV1	SNCA	cg20003494	rs17016330	T	C	0.563	0.070	0.029	1.31E-15	-0.002	0.007	0.751	0.017	63.869	TRUE	2.77E-15
FEV1	SNCA	cg20003494	rs1841625	G	A	-0.173	0.024	0.433	3.46E-13	-0.001	0.002	0.736	0.014	52.900	TRUE	6.49E-13
FEV1	SNCA	cg20003494	rs34027685	G	A	0.237	0.038	0.108	3.43E-10	0.005	0.004	0.197	0.011	39.389	TRUE	9.89E-10
FEV1	SNCA	cg20003494	rs34305125	A	G	0.677	0.079	0.025	1.64E-17	-0.001	0.008	0.863	0.019	72.496	TRUE	3.45E-17
FEV1	SNCA	cg20003494	rs3775434	G	A	-0.307	0.036	0.125	1.11E-17	-0.003	0.004	0.461	0.019	73.274	TRUE	3.77E-17
FEV1	SNCA	cg20003494	rs6856813	C	T	0.311	0.024	0.363	3.93E-38	0.004	0.002	0.124	0.043	166.590	TRUE	2.01E-36
FEV1	SNCA	cg20003494	rs74786971	C	G	-0.270	0.046	0.077	4.07E-09	-0.002	0.005	0.640	0.009	34.571	TRUE	6.70E-09
FEV1	SNCA	cg20003494	rs983361	T	G	0.628	0.028	0.212	1.68E-113	-0.003	0.003	0.244	0.122	512.379	TRUE	1.47E-106
FEV1	SNCA	cg26578617	rs1372520	T	C	0.528	0.028	0.209	1.19E-77	-0.003	0.003	0.288	0.086	347.761	TRUE	7.63E-74
FEV1	SNCA	cg26578617	rs139301125	T	C	0.448	0.074	0.026	1.38E-09	-0.002	0.007	0.807	0.010	36.680	TRUE	2.03E-09
FEV1	SNCA	cg26578617	rs2119787	G	A	-0.234	0.024	0.397	8.92E-23	-0.003	0.002	0.280	0.025	96.449	TRUE	6.04E-22
FEV1	SNCA	cg26578617	rs59345481	G	T	-0.291	0.042	0.095	5.04E-12	-0.001	0.004	0.809	0.013	47.647	TRUE	8.31E-12
FEV1	SNCA	cg26578617	rs6856813	C	T	0.196	0.024	0.363	6.69E-16	0.004	0.002	0.124	0.017	65.186	TRUE	3.70E-15
FEV1	SNCA	cg26578617	rs71609574	A	G	0.543	0.084	0.021	1.00E-10	0.003	0.009	0.713	0.011	41.793	TRUE	1.70E-10
FEV1	SNORD71	cg03540912	rs11646719	C	G	0.206	0.025	0.338	2.01E-16	0.006	0.003	0.016	0.018	67.552	TRUE	2.27E-15
FEV1	SNORD71	cg03540912	rs12930674	T	C	-0.139	0.025	0.305	4.43E-08	-0.005	0.003	0.053	0.008	29.937	TRUE	1.52E-07
FEV1	SNORD71	cg03540912	rs1559418	C	T	-0.368	0.061	0.038	1.24E-09	-0.014	0.006	0.027	0.010	36.881	TRUE	5.85E-09
FEV1	SNORD71	cg03540912	rs217180	T	C	0.243	0.039	0.096	7.34E-10	0.006	0.004	0.107	0.010	37.906	TRUE	2.48E-09
FEV1	SNORD71	cg03540912	rs56387295	A	C	-0.275	0.033	0.150	1.79E-16	-0.004	0.003	0.285	0.018	67.786	TRUE	7.32E-16
FEV1	SNORD71	cg03540912	rs77529319	T	C	-0.206	0.029	0.209	8.03E-13	-0.005	0.003	0.095	0.014	51.248	TRUE	3.65E-12
FEV1	SNORD71	cg03540912	rs77823468	T	C	-0.560	0.025	0.299	8.04E-114	-0.010	0.003	9.93E-05	0.122	513.843	TRUE	2.02E-104
FEV1	SNORD71	cg05708656	rs8052489	T	C	-0.141	0.024	0.358	4.45E-09	0.005	0.002	0.041	0.009	34.397	TRUE	1.81E-08
FEV1	SOD2	cg13221458	rs11757681	T	G	-0.426	0.025	0.436	1.11E-63	-0.001	0.002	0.558	0.071	283.652	TRUE	3.70E-61
FEV1	SOD2	cg13221458	rs12190141	G	A	-0.557	0.093	0.025	2.08E-09	0.003	0.008	0.698	0.010	35.877	TRUE	3.32E-09
FEV1	SOD2	cg13221458	rs13191761	G	A	0.304	0.037	0.134	8.88E-17	0.006	0.003	0.062	0.018	69.167	TRUE	6.93E-16
FEV1	SOD2	cg13221458	rs3777414	G	A	-0.161	0.027	0.338	1.41E-09	0.001	0.003	0.644	0.010	36.629	TRUE	2.35E-09
FEV1	SOD2	cg13221458	rs5746109	C	T	1.111	0.068	0.064	3.13E-59	-0.001	0.005	0.844	0.066	263.245	TRUE	3.13E-57
FEV1	SOD2	cg13221458	rs62437275	A	G	-0.558	0.055	0.056	2.79E-24	0.001	0.005	0.793	0.027	103.305	TRUE	9.72E-24
FEV1	SOD2	cg13221458	rs642588	A	G	0.245	0.030	0.228	2.40E-16	-0.003	0.003	0.299	0.018	67.208	TRUE	9.31E-16
FEV1	SOD2	cg13221458	rs6925266	T	C	-0.218	0.034	0.172	1.13E-10	0.002	0.003	0.495	0.011	41.565	TRUE	2.30E-10
FEV1	SOD2	cg13221458	rs73017433	C	A	0.734	0.116	0.013	2.17E-10	0.008	0.011	0.450	0.011	40.285	TRUE	4.56E-10

FEV1	SOD2	cg13221458	rs75374960	C	T	-0.711	0.072	0.037	3.05E-23	-0.002	0.006	0.808	0.026	98.570	TRUE	9.76E-23
FEV1	SOD2	cg13221458	rs77632648	G	C	-0.770	0.103	0.033	6.93E-14	-0.013	0.006	0.034	0.015	56.057	TRUE	4.87E-13
FEV1	SOD2	cg13221458	rs9365100	A	G	-0.660	0.094	0.019	1.94E-12	-0.032	0.010	0.001	0.013	49.514	TRUE	2.49E-11
FEV1	SOD2	cg13221458	rs9457699	G	T	-0.921	0.023	0.303	<1E-200	-0.008	0.003	0.003	0.301	1594.076	TRUE	2.33E-300
FEV1	SPTLC1	cg01248375	rs10992258	G	C	0.174	0.026	0.269	2.93E-11	0.011	0.003	8.29E-05	0.012	44.199	TRUE	4.62E-10
FEV1	SPTLC1	cg01248375	rs28727560	C	A	0.486	0.032	0.147	5.74E-53	0.010	0.003	0.001	0.060	234.534	TRUE	1.86E-49
FEV1	SPTLC1	cg01248375	rs7048508	A	C	0.375	0.062	0.037	1.93E-09	0.004	0.006	0.535	0.010	36.020	TRUE	3.56E-09
FEV1	SPTLC1	cg01248375	rs77335334	G	A	0.450	0.064	0.034	2.94E-12	0.025	0.006	7.25E-05	0.013	48.705	TRUE	5.71E-11
FEV1	SQSTM1	cg01225779	rs12522926	G	A	-0.242	0.024	0.478	2.91E-24	-0.005	0.002	0.036	0.027	103.224	TRUE	6.11E-23
FEV1	SQSTM1	cg01225779	rs172056	G	A	0.169	0.026	0.305	4.70E-11	-0.005	0.003	0.044	0.012	43.275	TRUE	2.30E-10
FEV1	SQSTM1	cg06589507	rs4504352	A	G	0.193	0.034	0.140	1.76E-08	-0.013	0.003	6.65E-05	0.009	31.731	TRUE	1.86E-07
FEV1	SQSTM1	cg06861426	rs35647750	A	G	-0.335	0.044	0.075	3.02E-14	-0.005	0.004	0.294	0.015	57.692	TRUE	1.01E-13
FEV1	SQSTM1	cg12619504	rs10516140	A	C	0.418	0.032	0.161	1.53E-39	-0.010	0.003	0.002	0.045	173.036	TRUE	6.46E-37
FEV1	SQSTM1	cg12619504	rs12234037	G	A	0.276	0.035	0.121	3.86E-15	-0.004	0.004	0.319	0.016	61.737	TRUE	1.33E-14
FEV1	SQSTM1	cg12619504	rs13163209	A	G	0.172	0.030	0.175	1.27E-08	0.002	0.003	0.574	0.009	32.355	TRUE	2.14E-08
FEV1	SQSTM1	cg12619504	rs155787	G	A	-0.165	0.024	0.469	2.14E-12	0.009	0.002	3.39E-04	0.013	49.322	TRUE	3.32E-11
FEV1	SQSTM1	cg12619504	rs155788	C	T	0.362	0.040	0.092	3.23E-19	-0.005	0.004	0.196	0.021	80.247	TRUE	1.94E-18
FEV1	SQSTM1	cg12619504	rs17616317	A	G	0.358	0.044	0.077	2.84E-16	0.002	0.005	0.744	0.018	66.878	TRUE	6.32E-16
FEV1	SQSTM1	cg12619504	rs59906025	G	A	0.133	0.024	0.417	3.05E-08	0.002	0.002	0.308	0.008	30.661	TRUE	6.38E-08
FEV1	SQSTM1	cg12619504	rs6860158	T	C	0.174	0.026	0.274	2.10E-11	0.000	0.003	0.953	0.012	44.855	TRUE	3.03E-11
FEV1	SQSTM1	cg12619504	rs73351608	T	A	1.440	0.069	0.026	4.30E-97	-0.001	0.008	0.954	0.106	437.013	TRUE	1.34E-92
FEV1	SQSTM1	cg15960580	rs269445	G	A	-0.141	0.023	0.458	1.39E-09	0.006	0.002	0.008	0.010	36.656	TRUE	7.99E-09
FEV1	SQSTM1	cg27664881	rs113779029	A	G	0.454	0.075	0.043	1.35E-09	0.005	0.006	0.357	0.010	36.719	TRUE	2.99E-09
FEV1	SRC	cg01141721	rs6018199	G	T	0.413	0.033	0.138	1.22E-35	0.008	0.003	0.019	0.040	155.196	TRUE	1.24E-33
FEV1	SRC	cg03114748	rs11698554	C	T	-0.398	0.043	0.068	9.42E-21	0.005	0.004	0.246	0.023	87.234	TRUE	5.87E-20
FEV1	SRC	cg03114748	rs143465524	C	G	-0.570	0.076	0.025	6.80E-14	-0.006	0.008	0.472	0.015	56.094	TRUE	1.75E-13
FEV1	SRC	cg03114748	rs6017944	G	A	-0.504	0.026	0.248	6.02E-83	0.000	0.003	0.993	0.091	372.061	TRUE	1.39E-79
FEV1	SRC	cg05498681	rs11908486	T	G	0.173	0.027	0.246	7.28E-11	0.000	0.003	0.880	0.011	42.419	TRUE	1.08E-10
FEV1	SRC	cg08553950	rs56257628	A	C	-0.215	0.036	0.112	1.48E-09	0.008	0.004	0.025	0.010	36.538	TRUE	7.00E-09
FEV1	SRC	cg11210813	rs1146262	G	A	0.130	0.023	0.460	3.18E-08	0.005	0.002	0.029	0.008	30.577	TRUE	1.27E-07
FEV1	SRC	cg11210813	rs118071937	G	T	-0.531	0.086	0.022	6.92E-10	-0.013	0.008	0.090	0.010	38.023	TRUE	2.46E-09
FEV1	SRC	cg11210813	rs13038765	A	G	-0.516	0.042	0.071	1.85E-34	0.004	0.004	0.274	0.039	149.785	TRUE	3.79E-33
FEV1	SRC	cg11210813	rs13042917	G	T	-0.210	0.035	0.131	2.22E-09	0.002	0.003	0.522	0.010	35.749	TRUE	4.12E-09
FEV1	SRC	cg11210813	rs144511166	A	G	-0.233	0.032	0.157	2.51E-13	-0.001	0.003	0.665	0.014	53.529	TRUE	5.16E-13
FEV1	SRC	cg11210813	rs148643661	T	C	-0.715	0.130	0.016	3.48E-08	0.000	0.010	0.998	0.008	30.401	TRUE	4.25E-08
FEV1	SRC	cg11210813	rs1534972	G	A	0.168	0.025	0.305	2.67E-11	-0.003	0.003	0.195	0.012	44.384	TRUE	8.31E-11
FEV1	SRC	cg11210813	rs17785475	T	C	-0.406	0.048	0.055	3.18E-17	0.007	0.005	0.143	0.019	71.189	TRUE	1.84E-16
FEV1	SRC	cg11210813	rs6017916	C	A	-0.782	0.024	0.282	7.50E-232	-0.001	0.003	0.608	0.222	1056.381	TRUE	4.64E-210
FEV1	SRC	cg11210813	rs6018027	C	T	-0.230	0.028	0.241	7.78E-17	0.005	0.003	0.053	0.018	69.427	TRUE	6.51E-16
FEV1	SRC	cg11210813	rs6072798	T	C	0.138	0.025	0.377	2.07E-08	0.004	0.002	0.121	0.008	31.411	TRUE	6.00E-08
FEV1	SRC	cg11210813	rs6090575	G	T	-0.248	0.044	0.077	1.28E-08	0.003	0.004	0.498	0.009	32.348	TRUE	2.30E-08
FEV1	SRC	cg11210813	rs73097202	A	G	-0.583	0.085	0.020	8.56E-12	-0.013	0.008	0.089	0.012	46.608	TRUE	3.64E-11

FEV1	SRC	cg11210813	rs73906204	A	G	0.329	0.045	0.066	4.64E-13	0.010	0.004	0.022	0.014	52.322	TRUE	3.32E-12
FEV1	SRC	cg12807924	rs1291103	A	G	0.169	0.026	0.286	1.08E-10	0.006	0.003	0.017	0.011	41.646	TRUE	6.30E-10
FEV1	SRC	cg12807924	rs73906218	G	A	0.299	0.039	0.107	9.74E-15	0.002	0.004	0.596	0.016	59.915	TRUE	2.32E-14
FEV1	SRC	cg12807924	rs75081152	A	G	0.599	0.106	0.025	1.47E-08	0.014	0.007	0.069	0.009	32.079	TRUE	4.92E-08
FEV1	SRC	cg12807924	rs75295421	A	G	0.903	0.035	0.110	2.92E-148	0.008	0.004	0.025	0.154	672.097	TRUE	1.85E-136
FEV1	SRC	cg14637027	rs6018284	C	A	-0.309	0.054	0.047	1.15E-08	0.008	0.006	0.190	0.009	32.545	TRUE	2.95E-08
FEV1	SRC	cg19757422	rs11698554	C	T	-0.259	0.043	0.068	1.16E-09	0.005	0.004	0.246	0.010	37.021	TRUE	2.98E-09
FEV1	SRC	cg19757422	rs6032521	A	G	0.234	0.036	0.492	1.47E-10	0.003	0.002	0.183	0.011	41.046	TRUE	4.46E-10
FEV1	SRC	cg19757422	rs7275012	A	G	-0.289	0.026	0.252	6.43E-28	-0.001	0.003	0.749	0.031	119.903	TRUE	3.06E-27
FEV1	SRC	cg22437284	rs6017916	C	A	-0.290	0.026	0.282	7.45E-30	-0.001	0.003	0.608	0.034	128.745	TRUE	5.07E-29
FEV1	SRC	cg23635789	rs75295421	A	G	0.323	0.036	0.110	3.47E-19	0.008	0.004	0.025	0.021	80.106	TRUE	4.69E-18
FEV1	SRC	cg24055525	rs8116527	A	G	0.170	0.026	0.281	5.50E-11	0.000	0.003	0.992	0.011	42.966	TRUE	7.45E-11
FEV1	SRC	cg24384816	rs13038765	A	G	-0.487	0.042	0.071	7.28E-31	0.004	0.004	0.274	0.035	133.359	TRUE	1.04E-29
FEV1	SRC	cg24384816	rs13042917	G	T	-0.210	0.035	0.131	2.05E-09	0.002	0.003	0.522	0.010	35.902	TRUE	3.82E-09
FEV1	SRC	cg24384816	rs17785475	T	C	-0.375	0.048	0.055	7.23E-15	0.007	0.005	0.143	0.016	60.501	TRUE	3.41E-14
FEV1	SRC	cg24384816	rs6017916	C	A	-0.742	0.024	0.282	1.11E-205	-0.001	0.003	0.608	0.202	936.048	TRUE	5.10E-188
FEV1	SRC	cg24384816	rs6018027	C	T	-0.259	0.028	0.241	4.65E-21	0.005	0.003	0.053	0.023	88.627	TRUE	5.97E-20
FEV1	SRC	cg24384816	rs6072798	T	C	0.148	0.025	0.377	1.95E-09	0.004	0.002	0.121	0.010	36.001	TRUE	6.23E-09
FEV1	SRC	cg24384816	rs6090575	G	T	-0.248	0.044	0.077	1.25E-08	0.003	0.004	0.498	0.009	32.385	TRUE	2.26E-08
FEV1	SRC	cg24384816	rs6102336	C	A	-0.155	0.024	0.420	1.22E-10	0.000	0.002	0.895	0.011	41.414	TRUE	1.76E-10
FEV1	SRC	cg24384816	rs73097202	A	G	-0.606	0.085	0.020	1.25E-12	-0.013	0.008	0.089	0.013	50.373	TRUE	5.76E-12
FEV1	SRC	cg24384816	rs73906204	A	G	0.301	0.046	0.066	3.79E-11	0.010	0.004	0.022	0.012	43.695	TRUE	2.19E-10
FEV1	SRC	cg24956391	rs11905180	C	T	-0.237	0.033	0.136	7.41E-13	0.008	0.003	0.010	0.014	51.406	TRUE	6.50E-12
FEV1	SST	cg00457403	rs67515317	T	C	-0.321	0.057	0.083	2.39E-08	0.012	0.004	0.006	0.008	31.136	TRUE	1.27E-07
FEV1	SST	cg00481951	rs10513818	G	A	-0.913	0.057	0.084	1.41E-58	0.011	0.004	0.007	0.066	260.253	TRUE	5.86E-55
FEV1	SST	cg00481951	rs4686896	T	C	-0.283	0.029	0.216	6.94E-23	0.004	0.003	0.150	0.026	96.945	TRUE	6.55E-22
FEV1	SST	cg00481951	rs73057066	A	G	-0.330	0.044	0.076	9.63E-14	-0.002	0.004	0.653	0.015	55.411	TRUE	2.01E-13
FEV1	SST	cg02164046	rs3864101	T	G	0.172	0.029	0.207	2.20E-09	0.002	0.003	0.576	0.010	35.770	TRUE	3.90E-09
FEV1	SST	cg12146673	rs10513818	G	A	-0.383	0.058	0.084	3.18E-11	0.011	0.004	0.007	0.012	44.042	TRUE	2.42E-10
FEV1	SST	cg12146673	rs75723218	T	C	-0.294	0.040	0.096	2.80E-13	0.004	0.004	0.331	0.014	53.316	TRUE	8.26E-13
FEV1	SST	cg15347189	rs9851921	T	C	-0.243	0.036	0.118	1.64E-11	0.001	0.004	0.786	0.012	45.333	TRUE	2.72E-11
FEV1	SST	cg25478614	rs10513818	G	A	-0.656	0.055	0.084	1.50E-32	0.011	0.004	0.007	0.037	141.064	TRUE	1.53E-30
FEV1	SST	cg25478614	rs4988513	C	T	0.201	0.036	0.110	3.40E-08	-0.001	0.004	0.870	0.008	30.447	TRUE	4.54E-08
FEV1	SST	cg25478614	rs55749067	G	A	-0.311	0.044	0.075	1.42E-12	-0.001	0.004	0.907	0.013	50.132	TRUE	2.21E-12
FEV1	ST20	cg11839771	rs1081240	A	T	0.200	0.026	0.268	1.52E-14	-0.002	0.003	0.504	0.016	59.044	TRUE	3.99E-14
FEV1	ST20	cg11839771	rs16971685	A	G	-0.363	0.066	0.032	3.01E-08	0.005	0.007	0.451	0.008	30.682	TRUE	5.55E-08
FEV1	ST20	cg11839771	rs1814345	G	C	0.235	0.029	0.214	1.84E-16	-0.007	0.003	0.013	0.018	67.732	TRUE	2.21E-15
FEV1	ST20	cg11839771	rs1829758	C	A	0.206	0.031	0.173	3.89E-11	-0.006	0.003	0.048	0.012	43.643	TRUE	1.84E-10
FEV1	ST20	cg11839771	rs2562746	A	G	0.239	0.037	0.106	8.08E-11	0.001	0.004	0.703	0.011	42.215	TRUE	1.37E-10
FEV1	ST20	cg11839771	rs282798	C	T	-0.182	0.025	0.490	3.30E-13	0.000	0.002	0.869	0.014	52.995	TRUE	5.50E-13
FEV1	ST20	cg11839771	rs35252136	C	G	0.170	0.024	0.345	3.28E-12	-0.003	0.002	0.311	0.013	48.488	TRUE	9.38E-12
FEV1	ST20	cg11839771	rs3892157	A	G	-0.168	0.028	0.252	1.83E-09	0.001	0.003	0.621	0.010	36.123	TRUE	3.17E-09

FEV1	ST20	cg11839771	rs62026657	G	A	-0.554	0.051	0.057	7.56E-28	0.009	0.006	0.100	0.031	119.582	TRUE	1.42E-26
FEV1	ST20	cg11839771	rs6495455	C	T	-0.643	0.023	0.360	7.98E-167	0.006	0.002	0.013	0.170	757.416	TRUE	2.49E-152
FEV1	ST20	cg11839771	rs66552844	A	G	0.297	0.032	0.171	1.47E-20	0.000	0.003	0.945	0.023	86.354	TRUE	3.35E-20
FEV1	ST20	cg11839771	rs71409267	G	T	-0.283	0.032	0.155	1.90E-18	0.002	0.003	0.582	0.020	76.750	TRUE	5.84E-18
FEV1	ST20	cg11839771	rs72736582	T	C	-0.238	0.040	0.088	3.71E-09	0.006	0.004	0.116	0.009	34.753	TRUE	1.14E-08
FEV1	ST20	cg11839771	rs74025941	G	T	-0.304	0.046	0.065	4.25E-11	-0.001	0.005	0.854	0.012	43.470	TRUE	6.54E-11
FEV1	ST20	cg18753337	rs1074390	G	A	-0.269	0.024	0.397	1.26E-29	-0.002	0.002	0.516	0.033	127.695	TRUE	1.01E-28
FEV1	ST20	cg18753337	rs111800853	G	A	-0.773	0.074	0.026	2.20E-25	-0.005	0.007	0.474	0.028	108.337	TRUE	1.31E-24
FEV1	ST20	cg18753337	rs11856087	A	G	-0.237	0.026	0.277	4.78E-20	-0.005	0.003	0.082	0.022	84.024	TRUE	4.53E-19
FEV1	ST20	cg18753337	rs12437938	T	C	-0.936	0.078	0.023	6.91E-33	-0.014	0.008	0.098	0.037	142.602	TRUE	2.27E-31
FEV1	ST20	cg18753337	rs12439250	C	T	-0.528	0.095	0.031	2.77E-08	-0.007	0.006	0.277	0.008	30.846	TRUE	6.08E-08
FEV1	ST20	cg18753337	rs12439449	C	G	0.147	0.025	0.323	2.97E-09	0.009	0.003	5.73E-04	0.009	35.183	TRUE	2.62E-08
FEV1	ST20	cg18753337	rs12907428	T	C	-0.260	0.024	0.417	2.36E-28	-0.003	0.002	0.245	0.032	121.892	TRUE	2.85E-27
FEV1	ST20	cg18753337	rs12914365	G	A	-0.456	0.024	0.344	2.04E-80	0.005	0.002	0.060	0.089	360.445	TRUE	9.40E-76
FEV1	ST20	cg18753337	rs140117705	A	G	-0.840	0.091	0.016	2.30E-20	0.001	0.009	0.917	0.023	85.467	TRUE	5.39E-20
FEV1	ST20	cg18753337	rs1403252	C	T	0.255	0.037	0.103	8.84E-12	-0.003	0.004	0.476	0.012	46.546	TRUE	1.96E-11
FEV1	ST20	cg18753337	rs2114713	G	T	0.167	0.024	0.426	3.03E-12	0.000	0.002	0.964	0.013	48.642	TRUE	4.44E-12
FEV1	ST20	cg18753337	rs2562745	T	G	0.349	0.037	0.106	1.83E-21	0.001	0.004	0.824	0.024	90.475	TRUE	5.03E-21
FEV1	ST20	cg18753337	rs2733087	C	T	0.364	0.033	0.139	9.12E-28	-0.001	0.003	0.732	0.031	119.210	TRUE	4.50E-27
FEV1	ST20	cg18753337	rs2865825	A	G	-1.141	0.022	0.206	<1E-200	-0.006	0.003	0.038	0.425	2731.202	TRUE	<1E-200
FEV1	ST20	cg18753337	rs34681825	C	T	0.381	0.036	0.117	7.26E-26	0.000	0.004	0.966	0.029	110.534	TRUE	2.30E-25
FEV1	ST20	cg18753337	rs35088180	A	T	-0.278	0.046	0.076	2.16E-09	0.006	0.004	0.187	0.010	35.807	TRUE	5.91E-09
FEV1	ST20	cg18753337	rs400143	C	T	-0.180	0.024	0.406	4.36E-14	-0.002	0.002	0.528	0.015	56.967	TRUE	1.06E-13
FEV1	ST20	cg18753337	rs4778756	C	T	0.230	0.024	0.481	1.48E-22	0.000	0.002	0.989	0.025	95.442	TRUE	3.60E-22
FEV1	ST20	cg18753337	rs72736538	A	G	0.440	0.081	0.024	4.93E-08	-0.004	0.008	0.579	0.008	29.728	TRUE	8.05E-08
FEV1	ST20	cg18753337	rs74025941	G	T	0.309	0.046	0.065	1.72E-11	-0.001	0.005	0.854	0.012	45.240	TRUE	2.69E-11
FEV1	ST20	cg18753337	rs76582486	C	G	-0.500	0.036	0.120	4.28E-44	-0.008	0.004	0.040	0.050	193.883	TRUE	8.35E-42
FEV1	ST20	cg18753337	rs77013706	T	C	0.285	0.049	0.057	4.92E-09	0.006	0.005	0.228	0.009	34.201	TRUE	1.23E-08
FEV1	ST20	cg18753337	rs79203348	G	C	-0.279	0.040	0.092	2.93E-12	-0.003	0.004	0.511	0.013	48.707	TRUE	6.48E-12
FEV1	ST20	cg18753337	rs939971	A	C	0.338	0.025	0.338	4.77E-42	0.002	0.003	0.435	0.048	184.512	TRUE	1.42E-40
FEV1	ST20	cg21315874	rs113084686	G	T	0.593	0.049	0.061	1.02E-33	0.002	0.005	0.724	0.038	146.394	TRUE	8.24E-33
FEV1	ST20	cg21315874	rs16971397	G	A	0.440	0.038	0.101	2.04E-30	0.001	0.004	0.834	0.034	131.315	TRUE	1.06E-29
FEV1	ST20	cg21315874	rs1829758	C	A	-0.185	0.031	0.173	2.63E-09	-0.006	0.003	0.048	0.009	35.419	TRUE	1.03E-08
FEV1	ST20	cg21315874	rs2586163	G	A	-0.288	0.033	0.142	6.85E-18	-0.001	0.003	0.725	0.020	74.218	TRUE	1.71E-17
FEV1	ST20	cg21315874	rs282795	A	G	0.188	0.025	0.330	3.84E-14	0.002	0.003	0.467	0.015	57.216	TRUE	1.01E-13
FEV1	ST20	cg21315874	rs2865831	T	A	0.214	0.024	0.354	1.28E-18	0.000	0.002	0.912	0.021	77.533	TRUE	2.75E-18
FEV1	ST20	cg21315874	rs35107739	T	C	-0.313	0.028	0.215	3.67E-28	-0.007	0.003	0.016	0.032	121.014	TRUE	1.53E-26
FEV1	ST20	cg21315874	rs62006355	C	T	0.331	0.060	0.043	3.19E-08	-0.002	0.006	0.802	0.008	30.572	TRUE	4.46E-08
FEV1	ST20	cg21315874	rs62026581	A	G	-0.255	0.044	0.070	8.14E-09	0.005	0.004	0.227	0.009	33.223	TRUE	2.02E-08
FEV1	ST20	cg21315874	rs62026657	G	A	0.349	0.051	0.057	7.33E-12	0.009	0.006	0.100	0.013	46.911	TRUE	3.01E-11
FEV1	ST20	cg21315874	rs62028021	A	G	-0.257	0.040	0.089	1.03E-10	0.001	0.004	0.749	0.011	41.738	TRUE	1.69E-10
FEV1	ST20	cg21315874	rs6495456	T	C	0.702	0.022	0.360	3.47E-231	0.006	0.002	0.013	0.222	1053.323	TRUE	6.88E-207

FEV1	ST20	cg21315874	rs66552844	A	G	-0.205	0.032	0.171	1.45E-10	0.000	0.003	0.945	0.011	41.066	TRUE	2.01E-10
FEV1	ST20	cg21315874	rs7167799	C	G	0.209	0.028	0.223	3.94E-14	-0.003	0.006	0.601	0.015	57.166	TRUE	8.90E-14
FEV1	ST20	cg21315874	rs72732725	G	A	0.298	0.043	0.081	6.57E-12	0.002	0.004	0.631	0.013	47.127	TRUE	1.28E-11
FEV1	ST20	cg21315874	rs74025941	G	T	0.347	0.046	0.065	4.44E-14	-0.001	0.005	0.854	0.015	56.934	TRUE	7.88E-14
FEV1	ST20	cg21315874	rs76106646	G	A	0.302	0.040	0.099	5.76E-14	-0.002	0.004	0.669	0.015	56.419	TRUE	1.21E-13
FEV1	ST20	cg21315874	rs76582486	C	G	-0.238	0.036	0.120	5.78E-11	-0.008	0.004	0.040	0.011	42.870	TRUE	2.79E-10
FEV1	ST20	cg21315874	rs8041120	G	A	-0.207	0.025	0.300	3.78E-16	-0.003	0.003	0.208	0.018	66.312	TRUE	1.74E-15
FEV1	ST20	cg22389121	rs12907077	T	C	0.202	0.032	0.145	3.03E-10	-0.003	0.003	0.292	0.011	39.634	TRUE	7.60E-10
FEV1	ST20	cg22389121	rs150450469	C	T	0.160	0.023	0.457	9.03E-12	-0.003	0.002	0.287	0.012	46.503	TRUE	2.50E-11
FEV1	ST20	cg22389121	rs2115538	A	G	-0.272	0.029	0.202	1.79E-21	-0.006	0.003	0.043	0.024	90.518	TRUE	2.56E-20
FEV1	ST20	cg22389121	rs62006301	C	T	-0.192	0.032	0.157	1.32E-09	-0.002	0.003	0.495	0.010	36.770	TRUE	2.50E-09
FEV1	ST20	cg22389121	rs7171636	T	C	0.583	0.029	0.194	4.03E-91	0.001	0.003	0.759	0.100	409.589	TRUE	6.63E-87
FEV1	ST20	cg22389121	rs73487353	C	T	0.201	0.026	0.287	9.00E-15	0.001	0.003	0.842	0.016	60.071	TRUE	1.66E-14
FEV1	ST20	cg22389121	rs77013706	T	C	0.344	0.049	0.057	1.43E-12	0.006	0.005	0.228	0.013	50.116	TRUE	4.71E-12
FEV1	ST20	cg26673396	rs1081226	A	G	0.208	0.033	0.140	3.55E-10	-0.002	0.003	0.629	0.011	39.323	TRUE	6.20E-10
FEV1	ST20	cg26673396	rs113556507	T	A	-0.271	0.050	0.061	4.65E-08	0.002	0.005	0.737	0.008	29.841	TRUE	6.75E-08
FEV1	ST20	cg26673396	rs11636338	C	A	-0.154	0.024	0.354	2.37E-10	-0.001	0.002	0.782	0.011	40.112	TRUE	3.75E-10
FEV1	ST20	cg26673396	rs16971332	G	A	-0.368	0.057	0.048	8.27E-11	0.008	0.006	0.149	0.011	42.171	TRUE	2.74E-10
FEV1	ST20	cg26673396	rs35252136	C	G	0.163	0.024	0.345	2.58E-11	-0.003	0.002	0.311	0.012	44.451	TRUE	6.90E-11
FEV1	ST20	cg26673396	rs36043829	G	A	0.305	0.028	0.214	4.86E-27	-0.007	0.003	0.016	0.030	115.893	TRUE	1.72E-25
FEV1	ST20	cg26673396	rs449923	G	T	-0.142	0.025	0.331	9.17E-09	0.002	0.003	0.489	0.009	32.993	TRUE	1.67E-08
FEV1	ST20	cg26673396	rs577212954	T	C	-0.280	0.043	0.099	8.01E-11	-0.002	0.004	0.669	0.011	42.232	TRUE	1.42E-10
FEV1	ST20	cg26673396	rs74025941	G	T	-0.470	0.046	0.065	9.35E-25	-0.001	0.005	0.854	0.028	105.472	TRUE	3.14E-24
FEV1	ST20	cg26673396	rs8026997	C	T	-0.497	0.024	0.358	1.88E-96	0.006	0.002	0.016	0.105	434.068	TRUE	5.44E-90
FEV1	STAT1	cg00493400	rs115651412	C	A	0.420	0.054	0.043	6.34E-15	-0.008	0.006	0.161	0.016	60.762	TRUE	2.91E-14
FEV1	STAT1	cg11255154	rs10168266	T	C	0.213	0.030	0.182	8.67E-13	0.004	0.003	0.196	0.014	51.096	TRUE	3.02E-12
FEV1	STAT1	cg11255154	rs10176649	T	G	0.156	0.028	0.242	1.70E-08	-0.003	0.003	0.328	0.009	31.797	TRUE	3.62E-08
FEV1	STAT1	cg11255154	rs10804035	C	T	-0.192	0.023	0.447	1.49E-16	0.010	0.002	5.09E-05	0.018	68.146	TRUE	5.80E-15
FEV1	STAT1	cg11255154	rs13032230	T	C	0.170	0.026	0.271	1.33E-10	0.003	0.003	0.224	0.011	41.242	TRUE	3.76E-10
FEV1	STAT1	cg11255154	rs138650679	T	C	-0.660	0.052	0.046	6.15E-37	-0.003	0.005	0.542	0.042	161.126	TRUE	9.05E-36
FEV1	STAT1	cg11255154	rs2008950	G	T	0.188	0.023	0.451	7.73E-16	-0.002	0.002	0.361	0.017	64.902	TRUE	2.63E-15
FEV1	STAT1	cg11255154	rs2356350	G	A	0.216	0.024	0.404	5.66E-20	0.000	0.002	0.940	0.022	83.690	TRUE	1.27E-19
FEV1	STAT1	cg11255154	rs62184386	T	C	-0.129	0.023	0.459	2.92E-08	0.004	0.002	0.070	0.008	30.744	TRUE	9.32E-08
FEV1	STAT1	cg11255154	rs6751855	G	A	0.286	0.024	0.451	1.28E-33	-0.003	0.002	0.262	0.038	145.956	TRUE	2.35E-32
FEV1	STAT1	cg11255154	rs7574070	A	C	0.151	0.025	0.357	7.13E-10	-0.001	0.003	0.558	0.010	37.964	TRUE	1.29E-09
FEV1	STAT1	cg18766080	rs2014259	T	G	0.133	0.024	0.379	2.00E-08	0.009	0.002	2.21E-04	0.008	31.477	TRUE	1.78E-07
FEV1	STAT1	cg19881581	rs13029247	C	T	0.144	0.025	0.303	6.07E-09	-0.007	0.003	0.006	0.009	33.794	TRUE	3.53E-08
FEV1	STAT3	cg05487134	rs4796793	G	C	0.292	0.027	0.252	2.78E-27	0.006	0.003	0.039	0.031	116.999	TRUE	7.40E-26
FEV1	STAT3	cg05487134	rs56387576	T	G	0.280	0.036	0.122	6.07E-15	0.007	0.004	0.062	0.016	60.845	TRUE	3.82E-14
FEV1	STAT3	cg06270615	rs12941945	G	A	-0.203	0.032	0.175	1.26E-10	-0.006	0.003	0.081	0.011	41.350	TRUE	4.86E-10
FEV1	STAT3	cg06270615	rs146534676	G	A	-0.658	0.091	0.017	4.89E-13	0.002	0.009	0.811	0.014	52.219	TRUE	8.51E-13
FEV1	STAT3	cg06270615	rs1557744	A	G	0.187	0.030	0.201	2.60E-10	0.002	0.003	0.408	0.011	39.930	TRUE	5.69E-10

FEV1	STAT3	cg06270615	rs190124010	A	G	-0.723	0.071	0.027	1.96E-24	-0.001	0.008	0.895	0.027	104.006	TRUE	6.08E-24
FEV1	STAT3	cg06270615	rs2667940	C	T	-0.211	0.031	0.180	7.04E-12	0.001	0.003	0.693	0.013	46.991	TRUE	1.28E-11
FEV1	STAT3	cg06270615	rs61653336	A	G	-0.239	0.031	0.179	3.03E-14	-0.010	0.003	0.001	0.015	57.684	TRUE	4.91E-13
FEV1	STAT3	cg06270615	rs62075812	T	C	0.257	0.029	0.206	1.08E-18	0.002	0.003	0.489	0.021	77.860	TRUE	3.77E-18
FEV1	STAT3	cg06270615	rs6503691	T	C	-0.381	0.038	0.098	1.20E-23	0.000	0.004	0.982	0.026	100.416	TRUE	3.20E-23
FEV1	STAT3	cg06270615	rs71373478	A	G	0.189	0.034	0.138	2.43E-08	0.006	0.003	0.049	0.008	31.096	TRUE	8.48E-08
FEV1	STAT3	cg06270615	rs7218488	A	G	-0.475	0.032	0.151	1.02E-48	0.004	0.003	0.192	0.055	215.051	TRUE	1.38E-46
FEV1	STAT3	cg06270615	rs72823022	C	T	0.407	0.041	0.088	3.84E-23	0.002	0.004	0.570	0.026	98.116	TRUE	1.66E-22
FEV1	STAT3	cg06270615	rs74374636	T	C	-0.701	0.083	0.019	4.11E-17	0.010	0.008	0.224	0.019	70.687	TRUE	1.95E-16
FEV1	STAT3	cg06270615	rs74875524	T	C	-0.612	0.080	0.021	1.43E-14	-0.002	0.008	0.825	0.016	59.160	TRUE	2.65E-14
FEV1	STAT3	cg06270615	rs75771390	G	A	-0.220	0.040	0.092	4.91E-08	0.007	0.004	0.086	0.008	29.736	TRUE	1.46E-07
FEV1	STAT3	cg06270615	rs8069645	G	A	-0.924	0.022	0.268	<1E-200	0.005	0.003	0.057	0.318	1724.264	TRUE	<1E-200
FEV1	STAT3	cg07780782	rs111884103	G	C	-0.700	0.083	0.021	2.74E-17	0.009	0.008	0.279	0.019	71.485	TRUE	1.19E-16
FEV1	STAT3	cg07780782	rs190124010	A	G	-0.709	0.071	0.027	1.78E-23	-0.001	0.008	0.895	0.026	99.634	TRUE	5.19E-23
FEV1	STAT3	cg07780782	rs2128786	C	T	-0.221	0.026	0.301	1.42E-17	0.000	0.003	0.923	0.019	72.785	TRUE	2.77E-17
FEV1	STAT3	cg07780782	rs2667940	C	T	-0.227	0.031	0.180	1.50E-13	0.001	0.003	0.693	0.015	54.536	TRUE	2.99E-13
FEV1	STAT3	cg07780782	rs28573325	A	G	-0.434	0.064	0.035	1.38E-11	-0.002	0.006	0.716	0.012	45.671	TRUE	2.42E-11
FEV1	STAT3	cg07780782	rs3198502	T	G	-0.742	0.029	0.174	3.36E-141	0.004	0.003	0.212	0.147	639.643	TRUE	2.83E-131
FEV1	STAT3	cg07780782	rs72820888	C	G	-0.684	0.125	0.020	4.51E-08	-0.003	0.008	0.755	0.008	29.902	TRUE	6.46E-08
FEV1	STAT3	cg08652441	rs555947728	A	T	0.316	0.041	0.094	1.74E-14	0.006	0.004	0.112	0.016	58.775	TRUE	8.85E-14
FEV1	STAT3	cg08652441	rs6503694	C	T	0.134	0.024	0.451	1.33E-08	0.000	0.002	0.938	0.009	32.264	TRUE	1.73E-08
FEV1	STAT3	cg17833746	rs11079043	T	C	0.232	0.026	0.270	1.13E-18	0.005	0.003	0.051	0.021	77.774	TRUE	1.14E-17
FEV1	STAT3	cg24312520	rs3785898	A	C	0.200	0.026	0.268	3.06E-14	0.005	0.003	0.055	0.015	57.664	TRUE	1.92E-13
FEV1	STAT3	cg24718015	rs9912773	G	C	0.234	0.027	0.250	6.08E-18	0.005	0.003	0.055	0.020	74.454	TRUE	5.36E-17
FEV1	STAT3	cg25857307	rs1963987	T	C	-0.252	0.045	0.072	1.76E-08	-0.014	0.004	0.002	0.009	31.729	TRUE	1.17E-07
FEV1	STAT5A	cg03001305	rs34129849	C	A	0.218	0.025	0.288	9.52E-18	0.005	0.003	0.045	0.020	73.570	TRUE	9.29E-17
FEV1	STAT5A	cg05117208	rs548972072	G	C	-0.159	0.027	0.253	4.28E-09	-0.001	0.003	0.616	0.009	34.472	TRUE	7.18E-09
FEV1	STAT5A	cg05117208	rs62076928	A	G	-0.379	0.025	0.289	8.49E-51	0.005	0.003	0.045	0.057	224.590	TRUE	4.15E-48
FEV1	STAT5A	cg06357561	rs34129849	C	A	0.204	0.025	0.288	1.06E-15	0.005	0.003	0.045	0.017	64.289	TRUE	8.36E-15
FEV1	STAT5A	cg14042635	rs73983710	A	G	0.451	0.082	0.020	4.09E-08	0.010	0.008	0.237	0.008	30.092	TRUE	9.33E-08
FEV1	STAT5A	cg17478203	rs79843305	T	A	-0.163	0.026	0.290	1.73E-10	0.005	0.003	0.035	0.011	40.726	TRUE	8.41E-10
FEV1	STAT5A	cg20388732	rs11079041	A	T	-0.277	0.025	0.290	1.05E-27	0.005	0.003	0.043	0.031	118.923	TRUE	2.94E-26
FEV1	STAT5B	cg18810026	rs62076928	A	G	-0.311	0.025	0.289	7.84E-35	0.005	0.003	0.045	0.039	151.494	TRUE	4.93E-33
FEV1	STAT5B	cg19465320	rs112220485	C	T	0.231	0.041	0.090	1.97E-08	0.004	0.004	0.299	0.008	31.512	TRUE	4.23E-08
FEV1	STAT5B	cg19465320	rs9908318	T	G	0.246	0.025	0.289	5.05E-22	0.005	0.003	0.036	0.025	93.018	TRUE	8.25E-21
FEV1	STBD1	cg06978288	rs10029710	T	C	0.200	0.031	0.179	7.46E-11	-0.002	0.003	0.565	0.011	42.371	TRUE	1.44E-10
FEV1	STBD1	cg06978288	rs112525409	T	C	0.433	0.070	0.029	5.48E-10	-0.002	0.007	0.759	0.010	38.477	TRUE	8.60E-10
FEV1	STBD1	cg06978288	rs12501628	C	T	0.257	0.025	0.314	4.37E-24	0.001	0.003	0.570	0.027	102.420	TRUE	2.00E-23
FEV1	STBD1	cg06978288	rs12548	C	A	-0.289	0.053	0.101	4.97E-08	-0.003	0.004	0.467	0.008	29.713	TRUE	8.92E-08
FEV1	STBD1	cg06978288	rs1441914	T	C	-0.423	0.024	0.417	2.32E-71	-0.002	0.002	0.316	0.079	318.885	TRUE	4.77E-68
FEV1	STBD1	cg06978288	rs344136	C	A	-0.146	0.026	0.316	1.31E-08	-0.007	0.003	0.010	0.009	32.301	TRUE	6.60E-08
FEV1	STBD1	cg06978288	rs4859684	C	T	0.216	0.025	0.342	2.40E-18	0.005	0.002	0.032	0.020	76.289	TRUE	2.76E-17

FEV1	STBD1	cg06978288	rs56717028	G	A	0.393	0.061	0.037	1.18E-10	0.008	0.006	0.222	0.011	41.475	TRUE	3.38E-10
FEV1	STBD1	cg06978288	rs72657823	A	G	0.359	0.051	0.051	2.19E-12	0.003	0.005	0.510	0.013	49.279	TRUE	4.91E-12
FEV1	STBD1	cg17010112	rs56049812	C	A	-0.439	0.024	0.450	6.13E-78	-0.005	0.002	0.057	0.086	349.074	TRUE	1.68E-73
FEV1	STBD1	cg17010112	rs6532385	G	A	0.403	0.038	0.105	1.22E-26	0.001	0.004	0.833	0.030	114.077	TRUE	4.78E-26
FEV1	STBD1	cg18651932	rs111332382	C	T	0.468	0.073	0.026	1.57E-10	-0.007	0.007	0.322	0.011	40.916	TRUE	3.84E-10
FEV1	STBD1	cg18651932	rs2119731	G	A	0.169	0.024	0.381	4.25E-12	0.000	0.002	0.983	0.013	47.981	TRUE	6.19E-12
FEV1	STBD1	cg18651932	rs4859688	C	T	0.161	0.026	0.256	8.37E-10	0.004	0.003	0.121	0.010	37.652	TRUE	2.66E-09
FEV1	STBD1	cg18651932	rs61402764	T	C	-0.460	0.023	0.452	1.49E-85	-0.005	0.002	0.046	0.094	384.030	TRUE	2.23E-80
FEV1	STBD1	cg18651932	rs6818773	C	A	0.572	0.037	0.105	1.58E-52	0.001	0.004	0.853	0.059	232.524	TRUE	6.92E-51
FEV1	STBD1	cg19406117	rs4272041	G	A	-0.134	0.024	0.452	2.33E-08	-0.005	0.002	0.047	0.008	31.184	TRUE	8.20E-08
FEV1	STK24	cg01185345	rs12869774	A	G	0.409	0.052	0.056	2.06E-15	0.005	0.005	0.376	0.017	62.974	TRUE	6.63E-15
FEV1	STK24	cg01185345	rs139956665	G	C	0.460	0.079	0.024	6.48E-09	0.000	0.008	0.960	0.009	33.667	TRUE	8.34E-09
FEV1	STK24	cg01185345	rs4417417	A	G	-0.156	0.028	0.214	3.60E-08	-0.003	0.003	0.360	0.008	30.338	TRUE	7.22E-08
FEV1	STK24	cg01185345	rs7334034	T	C	0.153	0.024	0.427	2.56E-10	-0.004	0.003	0.129	0.011	39.966	TRUE	8.50E-10
FEV1	STK24	cg01185345	rs9517341	T	C	0.474	0.030	0.184	6.88E-57	0.002	0.003	0.576	0.064	252.510	TRUE	8.97E-55
FEV1	STK24	cg01536299	rs56294784	C	T	-0.139	0.023	0.440	2.23E-09	-0.006	0.002	0.008	0.010	35.745	TRUE	1.24E-08
FEV1	STK24	cg01715699	rs3742133	A	G	-0.447	0.054	0.051	1.25E-16	-0.008	0.006	0.155	0.018	68.492	TRUE	6.69E-16
FEV1	STK24	cg01715699	rs3825434	A	C	-0.314	0.052	0.055	1.17E-09	0.007	0.005	0.199	0.010	37.005	TRUE	3.21E-09
FEV1	STK24	cg01715699	rs41279124	A	G	-0.347	0.040	0.093	3.36E-18	0.000	0.004	0.935	0.020	75.626	TRUE	6.77E-18
FEV1	STK24	cg01715699	rs4389009	A	G	-0.854	0.019	0.486	<1E-200	0.003	0.002	0.275	0.346	1958.914	TRUE	<1E-200
FEV1	STK24	cg01715699	rs7139717	C	T	0.367	0.023	0.464	8.53E-56	-0.001	0.002	0.675	0.063	247.498	TRUE	7.74E-54
FEV1	STK24	cg01715699	rs9517295	T	C	-0.171	0.027	0.248	3.85E-10	0.007	0.003	0.016	0.010	39.166	TRUE	2.07E-09
FEV1	STK24	cg01715699	rs9517326	T	G	-0.456	0.080	0.040	1.21E-08	-0.008	0.006	0.175	0.009	32.459	TRUE	3.18E-08
FEV1	STK24	cg01715699	rs9556966	C	A	-0.300	0.023	0.426	1.79E-37	-0.002	0.002	0.390	0.042	163.580	TRUE	3.61E-36
FEV1	STK24	cg01715699	rs9556984	T	C	0.174	0.024	0.435	4.33E-13	-0.004	0.003	0.116	0.014	52.461	TRUE	1.94E-12
FEV1	STK24	cg02088785	rs9517344	A	G	0.553	0.030	0.184	6.89E-78	0.002	0.003	0.573	0.086	348.842	TRUE	1.91E-74
FEV1	STK24	cg02088785	rs9517384	T	G	0.144	0.024	0.426	2.58E-09	-0.004	0.003	0.129	0.009	35.457	TRUE	7.85E-09
FEV1	STK24	cg03461548	rs35368417	C	T	0.129	0.023	0.461	2.46E-08	0.006	0.002	0.009	0.008	31.074	TRUE	1.20E-07
FEV1	STK24	cg03701759	rs7317938	T	C	0.314	0.024	0.359	1.15E-38	-0.005	0.002	0.037	0.044	169.041	TRUE	1.27E-36
FEV1	STK24	cg03701759	rs9805187	A	C	-0.219	0.034	0.140	9.01E-11	0.002	0.003	0.557	0.011	42.003	TRUE	1.77E-10
FEV1	STK24	cg07340007	rs12463	A	G	0.211	0.025	0.303	4.18E-17	0.008	0.003	0.002	0.019	70.651	TRUE	8.90E-16
FEV1	STK24	cg07340007	rs2296149	A	G	-0.409	0.037	0.102	3.81E-28	-0.007	0.004	0.073	0.032	120.938	TRUE	8.41E-27
FEV1	STK24	cg07340007	rs66917362	A	T	-0.263	0.045	0.076	4.77E-09	0.005	0.004	0.226	0.009	34.265	TRUE	1.19E-08
FEV1	STK24	cg07340007	rs79025709	C	T	-0.492	0.085	0.017	6.85E-09	-0.001	0.008	0.954	0.009	33.558	TRUE	8.88E-09
FEV1	STK24	cg08402963	rs117193346	T	C	-0.375	0.051	0.057	1.31E-13	-0.006	0.005	0.234	0.015	54.800	TRUE	4.64E-13
FEV1	STK24	cg08402963	rs4772092	A	G	0.284	0.024	0.377	3.39E-33	0.003	0.002	0.182	0.037	144.017	TRUE	7.93E-32
FEV1	STK24	cg09110502	rs9584868	G	C	0.188	0.030	0.175	5.66E-10	-0.001	0.003	0.739	0.010	38.416	TRUE	8.94E-10
FEV1	STK24	cg09504131	rs111689491	A	G	-0.655	0.113	0.027	7.59E-09	0.000	0.007	0.997	0.009	33.359	TRUE	9.48E-09
FEV1	STK24	cg09504131	rs11617083	A	G	-0.345	0.032	0.152	1.32E-27	0.001	0.003	0.685	0.031	118.470	TRUE	6.82E-27
FEV1	STK24	cg09504131	rs3752968	C	T	-0.267	0.030	0.181	1.15E-18	-0.005	0.003	0.081	0.021	77.743	TRUE	9.82E-18
FEV1	STK24	cg09504131	rs9556963	A	G	0.661	0.024	0.326	5.39E-169	-0.005	0.003	0.054	0.172	767.394	TRUE	6.81E-155
FEV1	STK24	cg14825593	rs9584868	G	C	0.440	0.030	0.175	5.66E-49	-0.001	0.003	0.739	0.055	216.231	TRUE	2.00E-47

FEV1	STK24	cg16711597	rs2184904	G	C	0.238	0.028	0.221	4.58E-17	-0.001	0.003	0.667	0.019	70.470	TRUE	1.15E-16
FEV1	STK24	cg17176619	rs138713238	C	T	0.524	0.096	0.016	4.79E-08	0.010	0.009	0.294	0.008	29.785	TRUE	1.02E-07
FEV1	STK24	cg17176619	rs2184904	G	C	0.311	0.028	0.221	5.49E-28	-0.001	0.003	0.667	0.031	120.218	TRUE	2.98E-27
FEV1	STK24	cg17176619	rs61971228	T	C	-0.154	0.027	0.237	1.95E-08	0.008	0.003	0.008	0.008	31.527	TRUE	1.01E-07
FEV1	STK24	cg20359042	rs4772092	A	G	0.215	0.023	0.377	4.73E-20	0.003	0.002	0.182	0.022	84.044	TRUE	3.18E-19
FEV1	STK24	cg20359042	rs77592056	C	G	-0.186	0.032	0.158	4.19E-09	-0.004	0.003	0.242	0.009	34.515	TRUE	1.04E-08
FEV1	STK24	cg20375836	rs61969450	G	C	0.514	0.025	0.292	1.05E-94	0.007	0.003	0.005	0.103	426.052	TRUE	4.41E-88
FEV1	STK24	cg20375836	rs72652234	C	A	0.357	0.060	0.041	2.69E-09	0.016	0.006	0.008	0.009	35.376	TRUE	1.53E-08
FEV1	STK24	cg20375836	rs9517328	T	A	-0.317	0.029	0.201	1.07E-27	0.000	0.003	0.879	0.031	118.894	TRUE	4.19E-27
FEV1	STK24	cg20375836	rs9517356	G	C	-0.186	0.030	0.178	7.93E-10	0.001	0.003	0.778	0.010	37.757	TRUE	1.22E-09
FEV1	STK24	cg20459687	rs9517335	A	G	-0.290	0.025	0.294	4.32E-30	0.001	0.003	0.760	0.034	129.824	TRUE	2.44E-29
FEV1	STK24	cg20459687	rs9556960	T	C	0.229	0.041	0.083	2.28E-08	-0.007	0.004	0.067	0.008	31.220	TRUE	7.42E-08
FEV1	STK24	cg21173806	rs9584853	T	C	-0.676	0.047	0.060	6.12E-46	0.000	0.005	1.000	0.052	202.332	TRUE	1.00E-44
FEV1	STK24	cg22619767	rs4772081	T	C	-0.271	0.031	0.160	2.18E-18	-0.008	0.003	0.011	0.020	76.476	TRUE	3.40E-17
FEV1	STK24	cg23954655	rs7339107	A	G	0.163	0.030	0.186	4.81E-08	0.002	0.003	0.447	0.008	29.774	TRUE	8.79E-08
FEV1	STK24	cg24044564	rs2296149	A	G	-0.572	0.037	0.102	1.81E-54	-0.007	0.004	0.073	0.061	241.413	TRUE	9.98E-52
FEV1	STK24	cg24202468	rs4772098	A	C	-0.203	0.023	0.486	3.30E-18	0.003	0.002	0.256	0.020	75.658	TRUE	1.66E-17
FEV1	STK24	cg24247370	rs12261	T	C	0.161	0.024	0.418	9.02E-12	0.005	0.002	0.040	0.012	46.505	TRUE	4.78E-11
FEV1	STK24	cg24247370	rs12869774	A	G	0.304	0.052	0.056	3.82E-09	0.005	0.005	0.376	0.009	34.696	TRUE	7.98E-09
FEV1	STK24	cg24701178	rs4491365	G	A	-0.266	0.027	0.240	9.06E-23	0.008	0.003	0.006	0.025	96.418	TRUE	2.86E-21
FEV1	STK24	cg24981097	rs2184904	G	C	0.175	0.028	0.221	8.30E-10	-0.001	0.003	0.667	0.010	37.667	TRUE	1.39E-09
FEV1	STK24	cg27483072	rs9556966	C	A	0.172	0.024	0.426	3.03E-13	-0.002	0.002	0.390	0.014	53.159	TRUE	8.10E-13
FEV1	STK25	cg08129953	rs11555263	A	G	-0.432	0.075	0.028	9.88E-09	-0.010	0.008	0.236	0.009	32.847	TRUE	2.37E-08
FEV1	STK25	cg08129953	rs62191665	G	A	0.290	0.041	0.081	1.81E-12	0.001	0.004	0.894	0.013	49.650	TRUE	2.88E-12
FEV1	STK25	cg09289202	rs10190033	C	A	-0.800	0.029	0.170	1.07E-164	-0.004	0.003	0.204	0.168	747.636	TRUE	7.51E-152
FEV1	STK25	cg09289202	rs111576119	T	C	-0.662	0.066	0.053	9.52E-24	-0.011	0.005	0.016	0.027	100.877	TRUE	2.52E-22
FEV1	STK25	cg09289202	rs112476475	G	A	-0.712	0.098	0.016	3.39E-13	-0.014	0.009	0.150	0.014	52.940	TRUE	1.37E-12
FEV1	STK25	cg09289202	rs114169239	A	C	0.556	0.081	0.024	5.84E-12	-0.007	0.008	0.372	0.013	47.355	TRUE	1.49E-11
FEV1	STK25	cg09289202	rs115812193	C	T	-0.701	0.066	0.029	3.20E-26	-0.009	0.007	0.206	0.029	112.159	TRUE	3.49E-25
FEV1	STK25	cg09289202	rs116660098	A	G	0.549	0.054	0.048	5.12E-24	-0.002	0.005	0.740	0.027	102.105	TRUE	1.88E-23
FEV1	STK25	cg09289202	rs11674264	A	G	0.168	0.029	0.197	1.20E-08	0.005	0.003	0.114	0.009	32.463	TRUE	3.57E-08
FEV1	STK25	cg09289202	rs11890117	C	T	0.216	0.024	0.385	2.38E-19	-0.002	0.002	0.416	0.021	80.854	TRUE	9.80E-19
FEV1	STK25	cg09289202	rs12613100	G	A	0.229	0.038	0.108	1.74E-09	-0.004	0.004	0.273	0.010	36.227	TRUE	4.24E-09
FEV1	STK25	cg09289202	rs12621047	G	A	-0.221	0.027	0.279	8.39E-17	-0.001	0.003	0.612	0.018	69.278	TRUE	2.24E-16
FEV1	STK25	cg09289202	rs13015179	G	A	-0.174	0.031	0.187	1.09E-08	-0.001	0.003	0.841	0.009	32.657	TRUE	1.51E-08
FEV1	STK25	cg09289202	rs139875164	A	G	-0.553	0.068	0.033	5.92E-16	-0.005	0.007	0.464	0.017	65.427	TRUE	1.76E-15
FEV1	STK25	cg09289202	rs142730039	G	A	-0.598	0.093	0.032	1.05E-10	-0.015	0.007	0.024	0.011	41.696	TRUE	5.65E-10
FEV1	STK25	cg09289202	rs146432363	A	T	-0.369	0.050	0.157	1.13E-13	-0.010	0.004	0.003	0.015	55.101	TRUE	1.36E-12
FEV1	STK25	cg09289202	rs149679796	T	C	0.620	0.073	0.033	1.49E-17	0.007	0.007	0.321	0.019	72.687	TRUE	6.16E-17
FEV1	STK25	cg09289202	rs149977848	A	G	-0.540	0.094	0.014	9.08E-09	0.020	0.009	0.029	0.009	33.011	TRUE	3.76E-08
FEV1	STK25	cg09289202	rs17440466	C	T	-0.318	0.034	0.144	3.96E-21	0.000	0.003	0.892	0.023	88.947	TRUE	9.87E-21
FEV1	STK25	cg09289202	rs2012385	G	A	0.737	0.023	0.345	3.09E-227	0.005	0.003	0.028	0.219	1035.160	TRUE	4.33E-204

FEV1	STK25	cg09289202	rs34107209	T	C	0.451	0.032	0.151	2.94E-45	0.002	0.003	0.457	0.051	199.210	TRUE	1.18E-43
FEV1	STK25	cg09289202	rs4675834	T	C	0.284	0.033	0.143	1.62E-17	0.003	0.003	0.385	0.019	72.524	TRUE	5.92E-17
FEV1	STK25	cg09289202	rs6705421	A	G	0.803	0.020	0.445	<1E-200	0.005	0.002	0.036	0.299	1575.382	TRUE	1.25E-298
FEV1	STK25	cg09289202	rs6737057	C	T	-0.367	0.024	0.353	7.55E-52	0.000	0.002	0.878	0.058	229.405	TRUE	2.97E-50
FEV1	STK25	cg09289202	rs6738073	G	A	0.236	0.039	0.103	1.27E-09	0.001	0.004	0.775	0.010	36.840	TRUE	1.93E-09
FEV1	STK25	cg09289202	rs6747920	A	G	0.341	0.058	0.091	4.96E-09	0.010	0.004	0.020	0.009	34.186	TRUE	2.31E-08
FEV1	STK25	cg09289202	rs6760093	G	T	0.193	0.024	0.424	8.02E-16	-0.001	0.002	0.618	0.017	64.829	TRUE	1.98E-15
FEV1	STK25	cg09289202	rs73002180	C	G	-0.662	0.055	0.054	1.48E-33	-0.003	0.006	0.588	0.038	145.660	TRUE	1.46E-32
FEV1	STK25	cg09289202	rs73014018	A	G	-0.159	0.029	0.215	2.58E-08	0.003	0.003	0.304	0.008	30.986	TRUE	5.43E-08
FEV1	STK25	cg09289202	rs7420166	A	G	0.230	0.027	0.243	2.85E-17	-0.008	0.003	0.007	0.019	71.405	TRUE	4.40E-16
FEV1	STK25	cg09289202	rs7588758	T	G	-0.679	0.029	0.178	1.84E-118	-0.001	0.003	0.637	0.126	535.161	TRUE	1.04E-111
FEV1	STK25	cg09289202	rs75917565	T	G	-0.497	0.045	0.070	6.01E-28	0.006	0.005	0.214	0.031	120.037	TRUE	7.59E-27
FEV1	STK25	cg09289202	rs76020097	T	C	-0.259	0.040	0.089	8.32E-11	-0.002	0.004	0.628	0.011	42.159	TRUE	1.53E-10
FEV1	STK25	cg09289202	rs76240021	G	A	0.387	0.058	0.042	2.60E-11	0.009	0.006	0.127	0.012	44.436	TRUE	9.40E-11
FEV1	STK25	cg13788902	rs3771584	G	C	0.314	0.028	0.215	1.74E-28	-0.007	0.003	0.012	0.032	122.489	TRUE	9.21E-27
FEV1	STK25	cg18149394	rs111918792	C	T	-0.567	0.043	0.073	3.86E-40	-0.001	0.004	0.852	0.045	175.781	TRUE	4.55E-39
FEV1	STK25	cg18149394	rs2074774	T	A	-0.177	0.024	0.363	1.63E-13	-0.001	0.002	0.658	0.014	54.379	TRUE	3.40E-13
FEV1	STK25	cg19488206	rs7618	G	A	0.300	0.029	0.212	1.29E-25	-0.007	0.003	0.013	0.029	109.395	TRUE	4.67E-24
FEV1	STX4	cg06233904	rs112906665	C	T	-0.255	0.024	0.348	1.09E-26	-0.021	0.002	4.59E-18	0.030	114.298	TRUE	1.72E-22
FEV1	STX4	cg07404961	rs112766425	G	A	0.286	0.050	0.055	7.96E-09	-0.016	0.005	0.001	0.009	33.267	TRUE	5.96E-08
FEV1	STX4	cg07404961	rs12444713	G	A	-0.174	0.025	0.360	2.12E-12	0.006	0.003	0.012	0.013	49.346	TRUE	1.64E-11
FEV1	STX4	cg07404961	rs35961830	C	T	0.352	0.024	0.346	1.04E-48	-0.021	0.002	2.64E-18	0.055	215.024	TRUE	2.91E-42
FEV1	STX4	cg07404961	rs3751847	A	G	-0.186	0.024	0.414	5.18E-15	0.012	0.002	1.64E-06	0.016	61.158	TRUE	2.80E-13
FEV1	STX4	cg08893833	rs729482	C	T	-0.194	0.024	0.335	1.84E-15	-0.021	0.002	5.66E-18	0.017	63.196	TRUE	1.66E-12
FEV1	STXBP1	cg13643465	rs497632	A	C	-0.180	0.023	0.448	7.33E-15	-0.001	0.002	0.728	0.016	60.474	TRUE	1.51E-14
FEV1	STXBP1	cg13673290	rs55837477	T	C	0.596	0.062	0.036	4.56E-22	-0.013	0.006	0.036	0.025	93.219	TRUE	7.36E-21
FEV1	STXBP1	cg13885243	rs28452648	G	A	-0.246	0.024	0.452	1.91E-25	0.003	0.002	0.285	0.029	108.615	TRUE	1.57E-24
FEV1	SUMF1	cg07465754	rs62231413	T	C	-0.265	0.045	0.069	4.19E-09	-0.003	0.005	0.533	0.009	34.514	TRUE	7.54E-09
FEV1	SUMF1	cg24840601	rs901870	G	T	0.197	0.024	0.380	2.48E-16	0.006	0.002	0.009	0.018	67.142	TRUE	3.18E-15
FEV1	SYNPO2	cg03554174	rs17329882	C	A	0.257	0.028	0.231	4.45E-20	-0.003	0.003	0.215	0.022	84.166	TRUE	2.70E-19
FEV1	SYNPO2	cg08384155	rs7671665	G	A	0.222	0.026	0.291	8.81E-18	-0.004	0.003	0.094	0.020	73.723	TRUE	6.51E-17
FEV1	SYNPO2	cg08774280	rs4834723	A	G	-0.142	0.025	0.333	6.56E-09	-0.003	0.003	0.170	0.009	33.644	TRUE	1.76E-08
FEV1	SYNPO2	cg10320997	rs57021447	A	G	-0.154	0.028	0.228	2.51E-08	-0.006	0.003	0.050	0.008	31.038	TRUE	8.84E-08
FEV1	SYNPO2	cg12973294	rs113187009	T	C	0.366	0.066	0.037	2.95E-08	-0.008	0.006	0.206	0.008	30.724	TRUE	7.14E-08
FEV1	SYNPO2	cg12973294	rs12502164	A	G	-0.149	0.024	0.395	6.87E-10	0.006	0.002	0.019	0.010	38.036	TRUE	3.54E-09
FEV1	SYNPO2	cg12973294	rs12507203	C	T	0.236	0.024	0.372	4.36E-23	-0.007	0.002	0.008	0.026	97.865	TRUE	1.38E-21
FEV1	SYNPO2	cg12973294	rs35442382	A	G	0.206	0.028	0.237	8.87E-14	-0.004	0.003	0.141	0.015	55.573	TRUE	3.84E-13
FEV1	SYNPO2	cg12973294	rs62327805	A	C	-0.335	0.041	0.106	1.64E-16	-0.003	0.004	0.382	0.018	67.961	TRUE	5.65E-16
FEV1	SYNPO2	cg12973294	rs6826016	T	G	0.258	0.024	0.404	4.92E-27	-0.001	0.002	0.659	0.030	115.868	TRUE	2.56E-26
FEV1	SYNPO2	cg12973294	rs71608346	A	G	0.413	0.045	0.075	1.91E-20	-0.004	0.004	0.363	0.023	85.838	TRUE	9.13E-20
FEV1	SYNPO2	cg12973294	rs7689541	A	G	0.153	0.024	0.381	3.06E-10	-0.001	0.002	0.647	0.011	39.617	TRUE	5.32E-10
FEV1	SYNPO2	cg12973294	rs78448537	A	G	1.232	0.055	0.045	1.89E-109	-0.019	0.006	0.001	0.118	493.764	TRUE	4.94E-101

FEV1	SYNPO2	cg14717666	rs113187009	T	C	0.542	0.066	0.037	1.93E-16	-0.008	0.006	0.206	0.018	67.631	TRUE	9.09E-16
FEV1	SYNPO2	cg14717666	rs11726993	G	C	0.225	0.034	0.136	3.07E-11	-0.005	0.004	0.192	0.012	44.106	TRUE	9.73E-11
FEV1	SYNPO2	cg14717666	rs12506322	A	G	0.422	0.033	0.145	3.53E-38	-0.004	0.003	0.197	0.043	166.802	TRUE	1.36E-36
FEV1	SYNPO2	cg14717666	rs17636128	G	T	-0.170	0.027	0.254	1.94E-10	0.004	0.003	0.164	0.011	40.505	TRUE	6.09E-10
FEV1	SYNPO2	cg14717666	rs1993609	A	T	0.191	0.025	0.314	3.43E-14	-0.002	0.003	0.407	0.015	57.439	TRUE	9.60E-14
FEV1	SYNPO2	cg14717666	rs2175971	G	C	0.183	0.024	0.348	7.12E-14	-0.007	0.002	0.003	0.015	56.003	TRUE	9.72E-13
FEV1	SYNPO2	cg14717666	rs28706123	G	A	-0.221	0.024	0.493	6.61E-21	-0.003	0.002	0.290	0.023	87.935	TRUE	3.84E-20
FEV1	SYNPO2	cg14717666	rs34114839	T	C	-0.226	0.025	0.346	5.54E-20	0.001	0.003	0.776	0.022	83.730	TRUE	1.48E-19
FEV1	SYNPO2	cg14717666	rs35553303	T	A	0.512	0.043	0.079	1.17E-32	-0.003	0.004	0.498	0.037	141.549	TRUE	1.25E-31
FEV1	SYNPO2	cg14717666	rs58527730	T	G	1.637	0.054	0.045	1.17E-204	-0.019	0.006	9.11E-04	0.201	931.341	TRUE	9.55E-184
FEV1	SYNPO2	cg14717666	rs62321220	G	C	-0.176	0.029	0.211	1.11E-09	0.000	0.003	0.891	0.010	37.099	TRUE	1.55E-09
FEV1	SYNPO2	cg14717666	rs62327793	T	C	-0.684	0.053	0.052	7.55E-38	-0.002	0.005	0.735	0.043	165.291	TRUE	8.68E-37
FEV1	SYNPO2	cg14717666	rs6854328	T	C	-0.168	0.027	0.260	4.46E-10	-0.001	0.003	0.644	0.010	38.879	TRUE	7.70E-10
FEV1	SYNPO2	cg14717666	rs72682809	T	C	0.405	0.058	0.041	2.86E-12	-0.001	0.006	0.932	0.013	48.757	TRUE	4.32E-12
FEV1	SYNPO2	cg14717666	rs74538554	G	C	0.196	0.025	0.352	1.99E-15	-0.004	0.003	0.098	0.017	63.039	TRUE	1.14E-14
FEV1	SYNPO2	cg14717666	rs7656160	C	A	0.201	0.033	0.149	1.40E-09	-0.009	0.003	0.006	0.010	36.648	TRUE	8.70E-09
FEV1	SYNPO2	cg17200999	rs1846	A	G	-0.134	0.024	0.414	2.88E-08	0.005	0.002	0.041	0.008	30.771	TRUE	1.03E-07
FEV1	TBXAS1	cg00445997	rs1860509	G	T	-0.270	0.030	0.184	1.01E-19	0.013	0.003	1.26E-05	0.022	82.541	TRUE	8.38E-18
FEV1	TBXAS1	cg26407309	rs2058265	T	G	-0.274	0.030	0.184	4.20E-20	0.013	0.003	1.77E-05	0.022	84.277	TRUE	3.49E-18
FEV1	TCF7L2	cg00159523	rs1547191	C	T	-0.147	0.026	0.263	2.49E-08	-0.005	0.003	0.071	0.008	31.055	TRUE	7.94E-08
FEV1	TCF7L2	cg00159523	rs17746147	G	C	0.217	0.039	0.237	3.03E-08	-0.001	0.003	0.820	0.008	30.672	TRUE	4.16E-08
FEV1	TCF7L2	cg00159523	rs56087297	G	A	0.220	0.027	0.268	2.73E-16	-0.003	0.003	0.336	0.018	66.954	TRUE	9.95E-16
FEV1	TCF7L2	cg00159523	rs7094463	A	G	-0.251	0.023	0.461	7.10E-27	-0.005	0.002	0.025	0.030	115.142	TRUE	2.15E-25
FEV1	TCF7L2	cg00159523	rs7919409	C	T	0.324	0.051	0.105	1.70E-10	0.002	0.004	0.601	0.011	40.761	TRUE	3.13E-10
FEV1	TCF7L2	cg03384318	rs1473184	C	T	0.155	0.026	0.281	1.76E-09	0.007	0.003	0.009	0.010	36.208	TRUE	1.03E-08
FEV1	TCF7L2	cg04557665	rs10047299	T	G	0.173	0.026	0.282	1.95E-11	0.003	0.003	0.294	0.012	44.993	TRUE	5.27E-11
FEV1	TCF7L2	cg09022607	rs11196168	T	A	0.269	0.027	0.266	4.20E-24	0.001	0.003	0.715	0.027	102.496	TRUE	1.61E-23
FEV1	TCF7L2	cg09022607	rs12762233	T	C	0.404	0.062	0.072	9.37E-11	0.003	0.004	0.560	0.011	41.927	TRUE	1.82E-10
FEV1	TCF7L2	cg09022607	rs7077247	C	T	0.164	0.024	0.469	8.03E-12	-0.002	0.002	0.385	0.012	46.734	TRUE	1.95E-11
FEV1	TCF7L2	cg11748187	rs11196191	C	A	0.211	0.024	0.467	1.47E-18	-0.003	0.002	0.243	0.020	77.258	TRUE	7.59E-18
FEV1	TCF7L2	cg11748187	rs12762233	T	C	0.472	0.062	0.072	3.64E-14	0.003	0.004	0.560	0.015	57.321	TRUE	8.69E-14
FEV1	TCF7L2	cg11748187	rs1547191	C	T	-0.179	0.026	0.263	1.02E-11	-0.005	0.003	0.071	0.012	46.256	TRUE	4.55E-11
FEV1	TCF7L2	cg11748187	rs7094463	A	G	-0.312	0.023	0.461	1.23E-40	-0.005	0.002	0.025	0.046	178.055	TRUE	1.93E-38
FEV1	TCF7L2	cg18745752	rs117140565	A	G	-0.543	0.086	0.013	3.46E-10	-0.003	0.008	0.761	0.011	39.375	TRUE	5.47E-10
FEV1	TCF7L2	cg26380291	rs57225583	G	A	0.320	0.033	0.152	1.57E-22	-0.001	0.003	0.760	0.025	95.328	TRUE	5.05E-22
FEV1	TCF7L2	cg26775558	rs12360401	C	G	0.240	0.026	0.297	9.03E-21	0.001	0.003	0.797	0.023	87.316	TRUE	2.51E-20
FEV1	TCF7L2	cg26775558	rs17130183	C	T	-0.347	0.045	0.133	1.77E-14	0.002	0.003	0.500	0.016	58.737	TRUE	4.59E-14
FEV1	TCF7L2	cg27062243	rs7079673	A	G	-0.339	0.045	0.141	6.04E-14	0.004	0.004	0.222	0.015	56.329	TRUE	2.20E-13
FEV1	TCF7L2	cg27162705	rs12762233	T	C	0.506	0.062	0.072	4.66E-16	0.003	0.004	0.560	0.018	65.902	TRUE	1.25E-15
FEV1	TCF7L2	cg27162705	rs1547191	C	T	-0.172	0.026	0.263	7.15E-11	-0.005	0.003	0.071	0.011	42.454	TRUE	2.93E-10
FEV1	TCF7L2	cg27162705	rs7077247	C	T	0.216	0.024	0.469	2.29E-19	-0.002	0.002	0.385	0.021	80.931	TRUE	9.44E-19
FEV1	TCF7L2	cg27162705	rs7094463	A	G	-0.295	0.023	0.461	1.36E-36	-0.005	0.002	0.025	0.041	159.547	TRUE	1.29E-34

FEV1	TCIRG1	cg01845451	rs12417937	C	T	0.334	0.047	0.067	1.48E-12	-0.005	0.005	0.334	0.013	50.053	TRUE	4.09E-12
FEV1	TCIRG1	cg01845451	rs308306	A	G	0.265	0.027	0.260	4.37E-23	-0.003	0.003	0.268	0.026	97.860	TRUE	3.12E-22
FEV1	TCIRG1	cg01845451	rs3133269	C	T	0.957	0.022	0.280	<1E-200	0.001	0.003	0.657	0.339	1896.170	TRUE	<1E-200
FEV1	TCIRG1	cg01845451	rs4071997	A	G	-0.278	0.030	0.200	7.80E-21	-0.005	0.003	0.098	0.023	87.605	TRUE	7.54E-20
FEV1	TCIRG1	cg01845451	rs546538746	T	G	0.836	0.087	0.019	5.37E-22	0.003	0.008	0.709	0.024	92.896	TRUE	1.78E-21
FEV1	TCIRG1	cg01845451	rs6591335	T	C	0.284	0.024	0.403	2.97E-32	-0.004	0.002	0.066	0.036	139.706	TRUE	1.10E-30
FEV1	TCIRG1	cg01845451	rs72926467	T	C	0.833	0.065	0.030	5.09E-38	0.003	0.007	0.604	0.043	166.076	TRUE	7.44E-37
FEV1	TCIRG1	cg01845451	rs74590624	T	C	0.206	0.034	0.142	9.15E-10	-0.004	0.003	0.181	0.010	37.478	TRUE	2.60E-09
FEV1	TCIRG1	cg01845451	rs9667430	T	A	-0.178	0.027	0.273	1.86E-11	0.002	0.003	0.578	0.012	45.084	TRUE	3.69E-11
FEV1	TCIRG1	cg02387701	rs11228173	T	C	0.219	0.038	0.105	6.70E-09	0.003	0.004	0.396	0.009	33.602	TRUE	1.37E-08
FEV1	TCIRG1	cg02387701	rs3808974	G	A	0.350	0.026	0.255	6.84E-40	0.002	0.003	0.427	0.045	174.641	TRUE	1.65E-38
FEV1	TCIRG1	cg06279471	rs11228147	A	C	-0.350	0.039	0.100	2.87E-19	0.007	0.004	0.073	0.021	80.484	TRUE	2.60E-18
FEV1	TCIRG1	cg06279471	rs149720654	A	G	-0.325	0.057	0.046	9.74E-09	0.004	0.006	0.455	0.009	32.874	TRUE	1.84E-08
FEV1	TCIRG1	cg06279471	rs3808969	G	A	-0.186	0.031	0.183	1.33E-09	-0.002	0.003	0.623	0.010	36.754	TRUE	2.26E-09
FEV1	TCIRG1	cg06279471	rs71459684	G	T	0.489	0.056	0.049	2.29E-18	-0.008	0.006	0.164	0.020	76.385	TRUE	1.40E-17
FEV1	TCIRG1	cg06279471	rs77155493	A	G	0.254	0.040	0.098	2.79E-10	-0.005	0.004	0.228	0.011	39.798	TRUE	7.73E-10
FEV1	TCIRG1	cg06279471	rs884826	G	A	-0.532	0.023	0.476	4.77E-120	0.001	0.002	0.626	0.128	542.450	TRUE	3.91E-113
FEV1	TCIRG1	cg06279471	rs999571	A	G	-0.350	0.038	0.103	1.72E-20	-0.003	0.004	0.454	0.023	86.040	TRUE	7.06E-20
FEV1	TCIRG1	cg08162803	rs71459684	G	T	0.530	0.056	0.049	2.45E-21	-0.008	0.006	0.164	0.024	89.894	TRUE	1.96E-20
FEV1	TCIRG1	cg08162803	rs884826	G	A	-0.291	0.023	0.476	2.00E-35	0.001	0.002	0.626	0.040	154.205	TRUE	2.12E-34
FEV1	TCIRG1	cg08801887	rs10896289	A	C	0.198	0.031	0.168	1.11E-10	-0.003	0.003	0.405	0.011	41.589	TRUE	2.51E-10
FEV1	TCIRG1	cg08932343	rs2511437	C	A	0.226	0.023	0.408	5.87E-22	-0.001	0.002	0.664	0.024	92.719	TRUE	2.02E-21
FEV1	TCIRG1	cg11731626	rs71459684	G	T	0.406	0.056	0.049	3.82E-13	-0.008	0.006	0.164	0.014	52.703	TRUE	1.50E-12
FEV1	TCIRG1	cg11731626	rs884826	G	A	-0.144	0.024	0.476	1.00E-09	0.001	0.002	0.626	0.010	37.298	TRUE	1.70E-09
FEV1	TCIRG1	cg18456140	rs11228093	T	G	-0.169	0.029	0.196	7.09E-09	-0.001	0.003	0.735	0.009	33.493	TRUE	1.06E-08
FEV1	TCIRG1	cg18456140	rs3808973	T	C	-1.257	0.065	0.029	3.06E-84	0.015	0.007	0.026	0.093	378.002	TRUE	5.16E-79
FEV1	TCIRG1	cg20865778	rs10750830	C	T	0.143	0.024	0.415	1.89E-09	-0.006	0.002	0.022	0.010	36.060	TRUE	9.05E-09
FEV1	TCIRG1	cg20865778	rs11228038	C	T	0.226	0.041	0.193	2.44E-08	0.004	0.003	0.250	0.008	31.091	TRUE	5.60E-08
FEV1	TCIRG1	cg20865778	rs11228147	A	C	0.449	0.039	0.100	9.97E-31	0.007	0.004	0.073	0.035	132.734	TRUE	2.91E-29
FEV1	TCIRG1	cg20865778	rs11481	T	A	0.232	0.025	0.354	8.99E-21	0.002	0.003	0.492	0.023	87.326	TRUE	3.60E-20
FEV1	TCIRG1	cg20865778	rs11600312	A	G	0.223	0.040	0.088	1.74E-08	-0.001	0.004	0.809	0.009	31.750	TRUE	2.43E-08
FEV1	TCIRG1	cg20865778	rs4071997	A	G	-0.198	0.030	0.200	2.93E-11	-0.005	0.003	0.098	0.012	44.197	TRUE	1.16E-10
FEV1	TCIRG1	cg20865778	rs4147779	G	A	-0.192	0.027	0.260	1.11E-12	0.000	0.003	0.922	0.013	50.604	TRUE	1.75E-12
FEV1	TCIRG1	cg20865778	rs538038638	A	C	0.709	0.090	0.017	3.04E-15	-0.012	0.009	0.166	0.017	62.210	TRUE	1.42E-14
FEV1	TCIRG1	cg20865778	rs79557925	A	G	0.863	0.030	0.168	1.21E-187	-0.002	0.003	0.431	0.187	853.121	TRUE	2.77E-172
FEV1	TCIRG1	cg21049762	rs3763942	G	A	0.177	0.031	0.169	1.26E-08	-0.002	0.003	0.515	0.009	32.376	TRUE	2.24E-08
FEV1	TCIRG1	cg21049762	rs4147780	G	A	0.228	0.023	0.476	6.74E-23	0.001	0.002	0.635	0.026	97.004	TRUE	2.57E-22
FEV1	TCIRG1	cg21165137	rs11228173	T	C	0.252	0.038	0.105	2.79E-11	0.003	0.004	0.396	0.012	44.294	TRUE	6.68E-11
FEV1	TCIRG1	cg21165137	rs11481	T	A	0.210	0.025	0.354	2.25E-17	0.002	0.003	0.492	0.019	71.877	TRUE	7.07E-17
FEV1	TCIRG1	cg21165137	rs12803743	C	T	-0.168	0.030	0.188	3.03E-08	-0.005	0.003	0.119	0.008	30.669	TRUE	8.51E-08
FEV1	TCIRG1	cg21165137	rs3808974	G	A	0.468	0.026	0.255	1.67E-70	0.002	0.003	0.427	0.078	314.949	TRUE	2.08E-67
FEV1	TCIRG1	cg21165137	rs538038638	A	C	0.537	0.090	0.017	2.08E-09	-0.012	0.009	0.166	0.010	35.874	TRUE	5.96E-09

FEV1	TCIRG1	cg23334365	rs11228145	G	T	-0.150	0.023	0.437	1.13E-10	0.000	0.002	0.856	0.011	41.558	TRUE	1.68E-10
FEV1	TCIRG1	cg23334365	rs122213	T	C	0.314	0.056	0.049	1.64E-08	-0.005	0.006	0.388	0.009	31.862	TRUE	3.25E-08
FEV1	TCIRG1	cg26921533	rs2075609	G	A	0.278	0.026	0.268	1.09E-26	0.002	0.003	0.407	0.030	114.292	TRUE	8.17E-26
FEV1	TERT	cg00624418	rs7725218	A	G	-0.142	0.024	0.352	5.16E-09	0.004	0.003	0.080	0.009	34.109	TRUE	1.71E-08
FEV1	TERT	cg00728907	rs4449583	T	C	-0.136	0.024	0.340	2.31E-08	0.004	0.003	0.143	0.008	31.197	TRUE	6.31E-08
FEV1	TERT	cg04524431	rs7713218	A	G	-0.198	0.023	0.475	9.76E-18	0.002	0.002	0.347	0.019	73.520	TRUE	3.83E-17
FEV1	TERT	cg06817802	rs12332579	C	T	0.186	0.031	0.172	2.82E-09	-0.003	0.003	0.291	0.009	35.287	TRUE	6.47E-09
FEV1	TERT	cg06817802	rs144704378	T	C	0.485	0.079	0.059	6.30E-10	0.002	0.006	0.715	0.010	38.204	TRUE	1.02E-09
FEV1	TERT	cg06817802	rs545891760	C	G	-0.565	0.091	0.014	6.16E-10	-0.004	0.009	0.648	0.010	38.248	TRUE	1.06E-09
FEV1	TERT	cg07380026	rs2736102	T	C	0.217	0.025	0.343	1.80E-18	-0.002	0.003	0.329	0.020	76.857	TRUE	7.73E-18
FEV1	TERT	cg07380026	rs2853672	A	C	0.139	0.024	0.496	6.99E-09	-0.004	0.002	0.061	0.009	33.519	TRUE	2.43E-08
FEV1	TERT	cg11666982	rs4975616	G	A	0.132	0.023	0.422	1.85E-08	-0.003	0.002	0.194	0.008	31.627	TRUE	4.64E-08
FEV1	TERT	cg13924604	rs4449583	T	C	-0.160	0.024	0.340	5.07E-11	0.004	0.003	0.143	0.012	43.128	TRUE	1.75E-10
FEV1	TERT	cg17166338	rs2736102	T	C	0.167	0.025	0.343	1.43E-11	-0.002	0.003	0.329	0.012	45.604	TRUE	3.70E-11
FEV1	TERT	cg25518571	rs62332583	T	C	-0.776	0.118	0.013	4.49E-11	-0.008	0.010	0.391	0.012	43.365	TRUE	1.05E-10
FEV1	TERT	cg25518571	rs7725218	A	G	-0.259	0.024	0.352	8.91E-27	0.004	0.003	0.080	0.030	114.691	TRUE	1.63E-25
FEV1	TERT	cg26006951	rs37002	T	C	0.131	0.023	0.488	1.65E-08	-0.004	0.002	0.086	0.009	31.853	TRUE	5.16E-08
FEV1	TERT	cg27298526	rs10866501	A	G	0.145	0.024	0.467	9.19E-10	-0.003	0.002	0.221	0.010	37.469	TRUE	2.50E-09
FEV1	TERT	cg27298526	rs11133695	G	C	0.410	0.038	0.101	1.03E-26	-0.008	0.004	0.039	0.030	114.410	TRUE	2.68E-25
FEV1	TERT	cg27298526	rs13170453	G	A	-0.196	0.029	0.213	9.62E-12	-0.003	0.003	0.230	0.012	46.380	TRUE	2.91E-11
FEV1	TERT	cg27298526	rs13190087	C	A	0.618	0.064	0.041	2.88E-22	-0.009	0.006	0.160	0.025	94.133	TRUE	2.50E-21
FEV1	TERT	cg27298526	rs2853676	T	C	-0.170	0.026	0.269	1.04E-10	0.002	0.003	0.538	0.011	41.725	TRUE	2.04E-10
FEV1	TERT	cg27298526	rs2853685	G	A	-0.154	0.028	0.280	4.20E-08	0.000	0.003	0.934	0.008	30.040	TRUE	5.32E-08
FEV1	TERT	cg27298526	rs7713218	A	G	-0.136	0.024	0.475	8.51E-09	0.002	0.002	0.347	0.009	33.137	TRUE	1.77E-08
FEV1	TFDP1	cg00407988	rs4991744	T	C	0.268	0.024	0.349	3.23E-29	0.003	0.002	0.178	0.033	125.835	TRUE	5.29E-28
FEV1	TFDP1	cg05516537	rs113922541	C	T	-0.438	0.024	0.349	4.42E-74	0.003	0.002	0.293	0.082	331.370	TRUE	1.61E-70
FEV1	TFDP1	cg07276358	rs113640105	C	T	-0.201	0.026	0.278	4.57E-15	0.004	0.003	0.143	0.016	61.405	TRUE	2.21E-14
FEV1	TFDP1	cg07804973	rs2260766	G	A	-0.198	0.026	0.277	1.24E-14	0.004	0.003	0.173	0.016	59.447	TRUE	5.44E-14
FEV1	TFDP1	cg08183317	rs2260302	A	G	0.216	0.026	0.250	1.90E-16	0.004	0.003	0.118	0.018	67.667	TRUE	1.11E-15
FEV1	TFDP1	cg09041183	rs9604156	C	G	-0.193	0.026	0.298	3.97E-14	0.004	0.003	0.174	0.015	57.154	TRUE	1.63E-13
FEV1	TFDP1	cg09200304	rs4991744	T	C	0.151	0.024	0.349	6.14E-10	0.003	0.002	0.178	0.010	38.254	TRUE	1.81E-09
FEV1	TFDP1	cg10332422	rs11618667	A	G	0.166	0.028	0.212	2.81E-09	0.001	0.003	0.846	0.009	35.292	TRUE	4.02E-09
FEV1	TFDP1	cg10332422	rs12856707	A	C	0.434	0.052	0.051	7.76E-17	0.000	0.005	0.997	0.018	69.432	TRUE	1.37E-16
FEV1	TFDP1	cg10332422	rs146910210	T	C	0.480	0.082	0.020	5.41E-09	-0.009	0.008	0.252	0.009	34.018	TRUE	1.29E-08
FEV1	TFDP1	cg10332422	rs149131071	A	G	-0.165	0.026	0.278	2.38E-10	-0.004	0.003	0.191	0.011	40.105	TRUE	7.09E-10
FEV1	TFDP1	cg10332422	rs2257834	A	C	-0.257	0.024	0.339	5.15E-26	0.001	0.003	0.708	0.029	111.214	TRUE	2.24E-25
FEV1	TFDP1	cg10332422	rs3794447	A	G	0.433	0.044	0.074	4.34E-23	0.007	0.004	0.110	0.026	97.874	TRUE	4.96E-22
FEV1	TFDP1	cg10332422	rs4150818	C	G	0.653	0.023	0.383	8.22E-178	0.002	0.002	0.472	0.179	807.922	TRUE	6.97E-164
FEV1	TFDP1	cg10332422	rs67574312	A	G	0.317	0.047	0.062	2.28E-11	0.012	0.005	0.019	0.012	44.694	TRUE	1.39E-10
FEV1	TFDP1	cg10332422	rs79520718	T	G	0.428	0.066	0.033	1.12E-10	-0.007	0.006	0.264	0.011	41.584	TRUE	2.99E-10
FEV1	TFDP1	cg11976193	rs12873993	G	A	0.331	0.024	0.347	9.83E-43	0.003	0.002	0.203	0.048	187.653	TRUE	6.24E-41
FEV1	TFDP1	cg16637188	rs9577578	C	T	-0.259	0.035	0.123	1.37E-13	0.007	0.003	0.032	0.015	54.721	TRUE	9.21E-13

FEV1	TFDP1	cg17707487	rs12876456	A	G	0.222	0.024	0.347	5.81E-20	0.003	0.002	0.221	0.022	83.636	TRUE	3.60E-19
FEV1	TFDP1	cg22890571	rs7998172	A	G	0.240	0.024	0.362	1.70E-23	0.002	0.002	0.353	0.026	99.733	TRUE	1.09E-22
FEV1	TFDP1	cg25139110	rs4991744	T	C	0.167	0.024	0.349	3.65E-12	0.003	0.002	0.178	0.013	48.276	TRUE	1.30E-11
FEV1	TFDP1	cg25945004	rs2259495	C	T	-0.314	0.026	0.266	1.26E-33	0.005	0.003	0.077	0.038	145.979	TRUE	5.29E-32
FEV1	TFRC	cg03462622	rs114951929	A	G	-0.383	0.067	0.085	1.14E-08	0.000	0.004	0.917	0.009	32.577	TRUE	1.49E-08
FEV1	TFRC	cg03462622	rs13098628	G	T	0.212	0.025	0.322	1.43E-17	0.003	0.003	0.265	0.019	72.769	TRUE	6.50E-17
FEV1	TFRC	cg03462622	rs406271	C	T	-0.543	0.024	0.288	3.86E-109	0.007	0.003	0.004	0.117	492.344	TRUE	4.64E-101
FEV1	TFRC	cg03462622	rs4927870	A	C	-0.267	0.038	0.096	1.72E-12	0.001	0.004	0.827	0.013	49.747	TRUE	2.88E-12
FEV1	TFRC	cg03462622	rs62408947	A	G	-0.296	0.043	0.077	4.63E-12	0.009	0.004	0.048	0.013	47.813	TRUE	2.42E-11
FEV1	TFRC	cg03462622	rs6782834	G	A	0.172	0.024	0.344	2.22E-12	-0.002	0.003	0.451	0.013	49.252	TRUE	5.32E-12
FEV1	TFRC	cg16311045	rs112577972	G	T	-0.203	0.023	0.430	2.60E-18	-0.004	0.002	0.090	0.020	76.132	TRUE	1.98E-17
FEV1	TGFB1	cg15735736	rs111840944	A	G	0.266	0.045	0.075	3.88E-09	0.001	0.004	0.870	0.009	34.665	TRUE	5.36E-09
FEV1	TGFB1	cg20748073	rs16958999	G	A	0.317	0.031	0.159	6.42E-24	-0.006	0.003	0.045	0.027	101.657	TRUE	1.15E-22
FEV1	TGFB2	cg01558923	rs11581605	G	A	0.295	0.028	0.237	8.41E-27	0.008	0.003	0.006	0.030	114.805	TRUE	4.19E-25
FEV1	TGFB2	cg07810039	rs3121580	T	C	0.245	0.042	0.178	6.04E-09	0.002	0.003	0.619	0.009	33.802	TRUE	9.96E-09
FEV1	TGFB2	cg17934824	rs17047703	A	C	0.229	0.028	0.235	1.44E-16	0.008	0.003	0.007	0.018	68.218	TRUE	2.04E-15
FEV1	TGFB2	cg18876728	rs114748693	A	G	-0.527	0.091	0.015	6.25E-09	0.011	0.010	0.301	0.009	33.737	TRUE	1.40E-08
FEV1	TGFB2	cg18876728	rs12118865	T	A	-0.204	0.035	0.127	5.62E-09	0.000	0.004	0.948	0.009	33.944	TRUE	7.28E-09
FEV1	TGFB2	cg18876728	rs75004792	G	A	-1.286	0.149	0.014	7.19E-18	-0.009	0.010	0.373	0.020	74.124	TRUE	2.80E-17
FEV1	TGFB2	cg20991819	rs1473527	A	G	-0.155	0.026	0.286	2.87E-09	0.015	0.003	8.48E-09	0.009	35.254	TRUE	8.71E-08
FEV1	TGFB2	cg27508144	rs1418555	A	G	0.284	0.028	0.237	6.73E-25	0.008	0.003	0.006	0.028	106.124	TRUE	2.66E-23
FEV1	THBS1	cg02291532	rs3913763	C	T	-0.232	0.037	0.105	4.87E-10	0.002	0.004	0.591	0.010	38.707	TRUE	8.81E-10
FEV1	THBS1	cg02291532	rs6416433	A	G	-0.202	0.023	0.458	9.11E-18	0.005	0.002	0.052	0.020	73.657	TRUE	8.33E-17
FEV1	THBS1	cg05886626	rs12442955	T	C	0.168	0.027	0.266	2.97E-10	-0.001	0.003	0.598	0.011	39.671	TRUE	5.43E-10
FEV1	THBS1	cg05886626	rs16969802	C	T	-0.269	0.029	0.201	1.71E-20	-0.003	0.003	0.345	0.023	86.057	TRUE	8.37E-20
FEV1	THBS1	cg05886626	rs2618164	T	C	-0.459	0.031	0.170	2.74E-49	0.007	0.003	0.022	0.056	217.674	TRUE	1.54E-46
FEV1	THBS1	cg05886626	rs28537569	G	T	0.186	0.026	0.287	9.42E-13	-0.002	0.003	0.543	0.014	50.933	TRUE	2.10E-12
FEV1	THBS1	cg05886626	rs3973363	C	A	-0.165	0.029	0.201	1.67E-08	-0.003	0.003	0.389	0.009	31.833	TRUE	3.31E-08
FEV1	THBS1	cg05886626	rs6492879	C	T	0.212	0.025	0.336	2.68E-17	0.005	0.003	0.063	0.019	71.531	TRUE	2.13E-16
FEV1	THBS1	cg05886626	rs66490630	C	T	-0.419	0.056	0.044	7.47E-14	0.010	0.006	0.076	0.015	55.911	TRUE	4.05E-13
FEV1	THBS1	cg08293324	rs2618163	T	G	-0.345	0.026	0.292	7.61E-41	-0.002	0.003	0.519	0.046	179.007	TRUE	1.71E-39
FEV1	THBS1	cg08293324	rs78911242	C	G	-0.313	0.041	0.085	2.96E-14	-0.003	0.004	0.513	0.015	57.731	TRUE	7.50E-14
FEV1	THBS1	cg08433504	rs997752	C	T	0.227	0.024	0.481	1.71E-21	0.003	0.002	0.172	0.024	90.606	TRUE	1.37E-20
FEV1	THBS1	cg10078511	rs1105159	G	A	0.136	0.024	0.379	1.86E-08	-0.002	0.002	0.348	0.008	31.618	TRUE	3.78E-08
FEV1	THBS1	cg10078511	rs12910572	A	T	-0.191	0.029	0.219	2.23E-11	-0.009	0.003	0.002	0.012	44.737	TRUE	2.36E-10
FEV1	THBS1	cg10078511	rs1478605	A	G	-0.363	0.026	0.291	2.72E-45	-0.002	0.003	0.566	0.051	199.369	TRUE	9.31E-44
FEV1	THBS1	cg10078511	rs60697424	A	G	0.204	0.037	0.117	3.88E-08	0.011	0.004	0.002	0.008	30.190	TRUE	2.32E-07
FEV1	THBS1	cg10078511	rs78911242	C	G	-0.315	0.041	0.085	1.90E-14	-0.003	0.004	0.513	0.016	58.599	TRUE	4.88E-14
FEV1	THBS1	cg10548034	rs2618163	T	G	-0.161	0.026	0.292	4.99E-10	-0.002	0.003	0.519	0.010	38.660	TRUE	9.57E-10
FEV1	THBS1	cg10576133	rs11070220	T	C	-0.229	0.035	0.120	9.51E-11	-0.012	0.004	6.54E-04	0.011	41.898	TRUE	1.05E-09
FEV1	THBS1	cg12484072	rs997752	C	T	0.224	0.024	0.481	4.33E-21	0.003	0.002	0.172	0.023	88.770	TRUE	3.35E-20
FEV1	THBS1	cg23116540	rs997752	C	T	0.164	0.024	0.481	7.52E-12	0.003	0.002	0.172	0.013	46.862	TRUE	2.63E-11

FEV1	THBS1	cg23849826	rs2618163	T	G	-0.243	0.026	0.292	5.93E-21	-0.002	0.003	0.519	0.023	88.146	TRUE	2.32E-20
FEV1	THBS1	cg23849826	rs78911242	C	G	-0.259	0.041	0.085	3.30E-10	-0.003	0.004	0.513	0.011	39.466	TRUE	6.50E-10
FEV1	THBS1	cg25499543	rs4429266	A	G	0.170	0.024	0.466	1.27E-12	0.004	0.002	0.077	0.013	50.351	TRUE	6.16E-12
FEV1	THBS1	cg25499543	rs9806647	G	C	-0.220	0.036	0.123	7.64E-10	-0.011	0.004	0.002	0.010	37.829	TRUE	6.03E-09
FEV1	THBS1	cg25503381	rs2117975	A	G	-0.205	0.036	0.119	1.68E-08	-0.003	0.004	0.373	0.009	31.821	TRUE	3.37E-08
FEV1	THBS1	cg25503381	rs3743125	A	G	-0.294	0.036	0.121	2.36E-16	-0.012	0.004	6.07E-04	0.018	67.242	TRUE	5.90E-15
FEV1	THBS1	cg25503381	rs997752	C	T	0.146	0.024	0.481	1.25E-09	0.003	0.002	0.172	0.010	36.864	TRUE	3.64E-09
FEV1	TIRAP	cg02305850	rs645852	G	C	-0.207	0.026	0.259	3.87E-15	0.001	0.003	0.622	0.016	61.733	TRUE	9.03E-15
FEV1	TIRAP	cg02305850	rs78999807	C	A	-0.369	0.056	0.051	3.18E-11	-0.007	0.006	0.205	0.012	44.037	TRUE	9.81E-11
FEV1	TIRAP	cg02305850	rs8177348	T	C	0.319	0.027	0.226	2.71E-31	0.006	0.003	0.046	0.035	135.317	TRUE	1.04E-29
FEV1	TIRAP	cg02973469	rs12574111	A	G	-0.176	0.026	0.259	2.48E-11	0.001	0.003	0.622	0.012	44.529	TRUE	4.64E-11
FEV1	TIRAP	cg02973469	rs8177348	T	C	0.284	0.028	0.226	5.77E-25	0.006	0.003	0.046	0.028	106.428	TRUE	1.11E-23
FEV1	TIRAP	cg07194166	rs10893502	T	C	0.133	0.024	0.408	4.57E-08	-0.001	0.002	0.715	0.008	29.877	TRUE	6.78E-08
FEV1	TIRAP	cg07194166	rs3781778	A	G	0.215	0.027	0.247	2.07E-15	-0.002	0.003	0.591	0.017	62.963	TRUE	5.20E-15
FEV1	TIRAP	cg07194166	rs4935969	T	C	-0.159	0.025	0.377	9.68E-11	0.001	0.002	0.768	0.011	41.863	TRUE	1.56E-10
FEV1	TIRAP	cg07194166	rs529328	A	G	0.247	0.027	0.246	3.09E-20	0.001	0.003	0.803	0.022	84.884	TRUE	8.22E-20
FEV1	TIRAP	cg07194166	rs611953	A	G	-0.750	0.027	0.219	2.08E-173	0.006	0.003	0.028	0.176	787.677	TRUE	2.01E-158
FEV1	TIRAP	cg07194166	rs613214	C	A	0.204	0.025	0.331	2.65E-16	-0.009	0.003	5.37E-04	0.018	67.012	TRUE	6.50E-15
FEV1	TIRAP	cg07194166	rs79340868	A	G	-0.458	0.056	0.042	4.88E-16	-0.012	0.006	0.031	0.017	65.810	TRUE	4.37E-15
FEV1	TIRAP	cg15932284	rs478309	A	G	0.289	0.028	0.224	1.49E-25	0.006	0.003	0.048	0.029	109.112	TRUE	3.06E-24
FEV1	TIRAP	cg21533667	rs10893492	T	C	0.468	0.036	0.110	1.09E-37	-0.013	0.004	2.60E-04	0.043	164.564	TRUE	6.18E-35
FEV1	TIRAP	cg21533667	rs112564808	C	T	0.730	0.120	0.011	1.37E-09	0.015	0.011	0.149	0.010	36.685	TRUE	4.12E-09
FEV1	TIRAP	cg26202340	rs12574111	A	G	-0.209	0.026	0.259	2.82E-15	0.001	0.003	0.622	0.017	62.354	TRUE	6.64E-15
FEV1	TIRAP	cg26202340	rs638766	T	C	0.342	0.028	0.223	7.60E-35	0.005	0.003	0.049	0.039	151.557	TRUE	4.21E-33
FEV1	TIRAP	cg26202340	rs73027000	T	C	-0.349	0.063	0.040	2.34E-08	-0.001	0.006	0.822	0.008	31.177	TRUE	3.24E-08
FEV1	TMBIM6	cg20471783	rs11169106	C	T	0.950	0.037	0.100	7.36E-145	0.017	0.004	1.19E-05	0.151	656.463	TRUE	2.55E-131
FEV1	TMBIM6	cg20471783	rs12312614	T	G	0.819	0.124	0.011	3.75E-11	0.011	0.012	0.329	0.012	43.715	TRUE	9.57E-11
FEV1	TMBIM6	cg20471783	rs147224174	C	T	0.876	0.100	0.013	1.42E-18	0.011	0.010	0.252	0.020	77.326	TRUE	7.22E-18
FEV1	TMBIM6	cg20471783	rs151154524	A	G	0.602	0.061	0.036	4.36E-23	0.020	0.006	0.001	0.026	97.864	TRUE	2.36E-21
FEV1	TMBIM6	cg20471783	rs2270741	T	G	0.538	0.089	0.023	1.38E-09	0.008	0.008	0.317	0.010	36.680	TRUE	3.18E-09
FEV1	TMBIM6	cg20471783	rs55776396	C	A	0.421	0.074	0.030	1.08E-08	0.018	0.007	0.010	0.009	32.677	TRUE	5.53E-08
FEV1	TMBIM6	cg20471783	rs76907016	A	C	0.177	0.027	0.244	1.12E-10	0.006	0.003	0.023	0.011	41.577	TRUE	6.04E-10
FEV1	TMEM14A	cg15108222	rs11757093	C	T	-0.368	0.047	0.054	6.93E-15	-0.009	0.005	0.066	0.016	60.586	TRUE	4.35E-14
FEV1	TMEM14A	cg15108222	rs13205411	C	A	0.178	0.023	0.436	3.42E-14	-0.003	0.002	0.230	0.015	57.447	TRUE	1.24E-13
FEV1	TMEM14A	cg15108222	rs75634655	A	G	-0.513	0.033	0.126	1.15E-54	-0.002	0.003	0.613	0.061	242.312	TRUE	1.03E-52
FEV1	TMEM14A	cg15108222	rs7746685	C	T	-0.153	0.023	0.494	4.87E-11	0.001	0.002	0.805	0.012	43.205	TRUE	7.80E-11
FEV1	TMEM14A	cg15108222	rs7762854	C	T	-0.249	0.026	0.253	2.28E-21	0.006	0.003	0.017	0.024	90.039	TRUE	4.55E-20
FEV1	TMEM14A	cg18568843	rs2281483	A	G	0.216	0.031	0.167	5.60E-12	0.010	0.003	0.002	0.013	47.437	TRUE	5.87E-11
FEV1	TMEM14A	cg19083670	rs767311	G	A	-0.147	0.026	0.253	2.41E-08	0.006	0.003	0.017	0.008	31.114	TRUE	1.08E-07
FEV1	TNF	cg02137984	rs1475865	T	C	-0.158	0.026	0.276	1.75E-09	0.011	0.003	3.06E-05	0.010	36.214	TRUE	2.43E-08
FEV1	TNF	cg02137984	rs2844512	C	G	-0.133	0.024	0.392	3.73E-08	0.012	0.002	1.38E-06	0.008	30.269	TRUE	5.56E-07
FEV1	TNF	cg10717214	rs3130283	A	C	-0.199	0.032	0.161	4.28E-10	0.027	0.003	2.32E-16	0.010	38.959	TRUE	6.11E-08

FEV1	TNF	cg11484872	rs1041981	A	C	0.139	0.024	0.360	1.48E-08	-0.015	0.002	6.88E-10	0.009	32.066	TRUE	4.81E-07
FEV1	TNF	cg12681001	rs56280220	C	G	0.633	0.105	0.013	1.57E-09	-0.042	0.011	8.71E-05	0.010	36.429	TRUE	1.87E-08
FEV1	TNF	cg21222743	rs2857600	T	C	-0.221	0.033	0.144	1.74E-11	0.024	0.003	6.16E-13	0.012	45.219	TRUE	2.11E-09
FEV1	TNF	cg21222743	rs56280220	C	G	0.596	0.105	0.013	1.35E-08	-0.042	0.011	8.71E-05	0.009	32.243	TRUE	1.37E-07
FEV1	TNF	cg21222743	rs9405084	T	C	0.148	0.026	0.323	6.52E-09	0.005	0.003	0.054	0.009	33.653	TRUE	2.34E-08
FEV1	TNF	cg27531490	rs1055890	G	A	-0.184	0.025	0.356	9.19E-14	0.007	0.002	0.003	0.015	55.503	TRUE	1.20E-12
FEV1	TNF	cg27531490	rs113428559	C	G	-0.897	0.080	0.021	2.05E-29	0.004	0.008	0.624	0.033	126.738	TRUE	1.33E-28
FEV1	TNF	cg27531490	rs114733011	A	G	0.667	0.073	0.023	8.64E-20	0.011	0.007	0.142	0.022	82.853	TRUE	6.32E-19
FEV1	TNF	cg27531490	rs116329723	G	T	0.729	0.104	0.015	2.61E-12	0.000	0.010	0.978	0.013	48.933	TRUE	3.81E-12
FEV1	TNF	cg27531490	rs1265075	A	C	0.299	0.047	0.074	1.62E-10	-0.001	0.004	0.814	0.011	40.851	TRUE	2.49E-10
FEV1	TNF	cg27531490	rs138039007	C	T	0.660	0.086	0.022	2.42E-14	0.004	0.008	0.638	0.015	58.123	TRUE	5.37E-14
FEV1	TNF	cg27531490	rs17190638	C	T	-0.732	0.061	0.039	3.29E-33	0.014	0.007	0.031	0.037	144.076	TRUE	1.94E-31
FEV1	TNF	cg27531490	rs184227609	C	A	-0.763	0.072	0.027	2.79E-26	0.045	0.008	2.20E-08	0.029	112.432	TRUE	2.25E-23
FEV1	TNF	cg27531490	rs2240063	T	C	-0.171	0.024	0.448	4.30E-13	0.020	0.002	4.33E-17	0.014	52.473	TRUE	1.80E-10
FEV1	TNF	cg27531490	rs2844470	T	A	-0.691	0.048	0.071	8.19E-48	-0.010	0.005	0.046	0.054	210.916	TRUE	2.52E-45
FEV1	TNF	cg27531490	rs3128984	G	A	0.425	0.051	0.062	5.78E-17	0.014	0.005	0.002	0.019	70.012	TRUE	1.16E-15
FEV1	TNF	cg27531490	rs41543814	T	C	0.143	0.024	0.417	2.12E-09	0.006	0.002	0.021	0.010	35.836	TRUE	1.01E-08
FEV1	TNF	cg27531490	rs41560718	C	A	0.710	0.072	0.026	9.67E-23	-0.001	0.008	0.879	0.025	96.289	TRUE	2.73E-22
FEV1	TNF	cg27531490	rs55777621	A	G	0.412	0.062	0.038	2.81E-11	-0.004	0.007	0.583	0.012	44.282	TRUE	5.44E-11
FEV1	TNF	cg27531490	rs6927870	G	A	-0.245	0.027	0.240	1.80E-19	0.005	0.003	0.056	0.022	81.400	TRUE	1.91E-18
FEV1	TNF	cg27531490	rs75622849	T	C	-0.484	0.082	0.023	4.54E-09	0.040	0.009	1.05E-05	0.009	34.358	TRUE	6.56E-08
FEV1	TNF	cg27531490	rs805825	A	G	-0.183	0.024	0.445	1.83E-14	-0.016	0.002	2.83E-12	0.016	58.680	TRUE	3.65E-12
FEV1	TNF	cg27531490	rs9405084	T	C	0.255	0.025	0.323	1.06E-23	0.005	0.003	0.054	0.026	100.672	TRUE	1.65E-22
FEV1	TNFRSF10A	cg04793096	rs117487025	A	G	0.705	0.100	0.035	1.43E-12	-0.001	0.006	0.939	0.013	50.111	TRUE	2.19E-12
FEV1	TNFRSF10A	cg04793096	rs11775256	T	C	-0.287	0.029	0.257	2.53E-23	0.000	0.003	0.968	0.026	98.945	TRUE	6.67E-23
FEV1	TNFRSF10A	cg04793096	rs35592234	C	T	-0.393	0.053	0.054	1.00E-13	-0.009	0.005	0.049	0.015	55.328	TRUE	6.13E-13
FEV1	TNFRSF10A	cg04793096	rs60853691	A	G	0.394	0.053	0.052	1.05E-13	0.001	0.005	0.858	0.015	55.236	TRUE	1.81E-13
FEV1	TNFRSF10A	cg04793096	rs62501137	C	T	0.350	0.026	0.382	1.26E-41	0.003	0.002	0.234	0.047	182.582	TRUE	6.33E-40
FEV1	TNFRSF10A	cg04793096	rs73222597	T	C	-0.441	0.032	0.169	1.98E-42	-0.006	0.003	0.031	0.048	186.263	TRUE	3.75E-40
FEV1	TNFRSF10A	cg04793096	rs7814465	G	C	0.888	0.027	0.245	1.14E-238	-0.001	0.003	0.719	0.227	1087.729	TRUE	6.57E-216
FEV1	TNFRSF10A	cg22843797	rs13278062	G	T	-0.386	0.025	0.454	1.98E-53	-0.006	0.002	0.019	0.060	236.651	TRUE	2.33E-50
FEV1	TNFRSF10A	cg22843797	rs4872092	G	A	0.262	0.039	0.133	1.35E-11	0.006	0.004	0.112	0.012	45.719	TRUE	5.13E-11
FEV1	TNFRSF10A	cg23303108	rs11135713	G	C	0.358	0.036	0.150	1.16E-22	0.002	0.003	0.497	0.025	95.922	TRUE	5.45E-22
FEV1	TNFRSF10A	cg23303108	rs113467419	G	T	-0.340	0.053	0.150	1.74E-10	-0.008	0.003	0.024	0.011	40.712	TRUE	9.28E-10
FEV1	TNFRSF10A	cg23303108	rs11778746	A	C	-0.229	0.027	0.301	4.58E-17	0.001	0.003	0.830	0.019	70.471	TRUE	9.60E-17
FEV1	TNFRSF10A	cg23303108	rs13254979	C	T	0.188	0.029	0.269	6.50E-11	-0.001	0.003	0.857	0.011	42.641	TRUE	9.91E-11
FEV1	TNFRSF10A	cg23303108	rs35592234	C	T	-0.308	0.053	0.054	5.73E-09	-0.009	0.005	0.049	0.009	33.905	TRUE	2.15E-08
FEV1	TNFRSF10A	cg23303108	rs73222594	C	T	-0.547	0.060	0.048	1.53E-19	0.000	0.005	0.961	0.022	81.729	TRUE	3.26E-19
FEV1	TNFRSF10A	cg23303108	rs7821298	T	C	-0.185	0.030	0.237	3.90E-10	-0.002	0.003	0.581	0.010	39.142	TRUE	7.15E-10
FEV1	TNFRSF10A	cg23882019	rs10099175	C	A	-0.205	0.026	0.440	3.04E-15	0.001	0.002	0.740	0.017	62.207	TRUE	6.38E-15
FEV1	TNFRSF10A	cg23882019	rs11135714	A	G	0.379	0.035	0.168	8.64E-28	0.005	0.003	0.133	0.031	119.318	TRUE	1.42E-26
FEV1	TNFRSF10A	cg23882019	rs13273587	T	C	0.337	0.058	0.046	6.09E-09	0.002	0.005	0.719	0.009	33.787	TRUE	9.39E-09

FEV1	TNFRSF10A	cg23882019	rs13278062	G	T	-0.713	0.024	0.454	1.60E-196	-0.006	0.002	0.019	0.195	893.944	TRUE	5.71E-178
FEV1	TNFRSF10A	cg23882019	rs59495452	T	C	-0.259	0.031	0.207	5.11E-17	0.000	0.003	0.917	0.019	70.255	TRUE	9.89E-17
FEV1	TNFRSF10A	cg23882019	rs73222578	C	T	0.200	0.029	0.241	1.11E-11	0.009	0.003	0.002	0.012	46.106	TRUE	1.20E-10
FEV1	TNFRSF10A	cg23892336	rs1000294	A	G	0.192	0.029	0.244	5.04E-11	-0.002	0.003	0.543	0.012	43.137	TRUE	9.96E-11
FEV1	TNFRSF10A	cg24278165	rs13278062	G	T	-0.350	0.025	0.454	6.73E-44	-0.006	0.002	0.019	0.050	192.987	TRUE	2.05E-41
FEV1	TNFRSF10A	cg24278165	rs73222601	G	A	0.167	0.030	0.249	2.03E-08	0.005	0.003	0.066	0.008	31.451	TRUE	6.79E-08
FEV1	TNFRSF10A	cg26400840	rs1000294	A	G	-0.236	0.029	0.244	6.02E-16	-0.002	0.003	0.543	0.017	65.394	TRUE	1.61E-15
FEV1	TNFRSF10A	cg26530341	rs113467419	G	T	-0.383	0.053	0.150	5.48E-13	-0.008	0.003	0.024	0.014	51.996	TRUE	3.85E-12
FEV1	TNFRSF10A	cg26530341	rs13278062	G	T	-0.670	0.024	0.454	2.66E-172	-0.006	0.002	0.019	0.175	782.589	TRUE	3.14E-157
FEV1	TNFRSF10A	cg26530341	rs35592234	C	T	-0.345	0.053	0.054	6.52E-11	-0.009	0.005	0.049	0.011	42.634	TRUE	3.00E-10
FEV1	TNFRSF10A	cg26530341	rs73222594	C	T	-0.553	0.060	0.048	6.14E-20	0.000	0.005	0.961	0.022	83.529	TRUE	1.34E-19
FEV1	TNFRSF10A	cg26530341	rs73222601	G	A	0.361	0.030	0.249	2.80E-34	0.005	0.003	0.066	0.039	148.968	TRUE	1.33E-32
FEV1	TP53INP1	cg01824466	rs877350	C	T	0.243	0.042	0.094	9.17E-09	-0.005	0.004	0.186	0.009	32.991	TRUE	2.39E-08
FEV1	TP53INP1	cg01824466	rs896851	T	C	0.163	0.027	0.341	8.21E-10	0.000	0.003	0.967	0.010	37.689	TRUE	1.09E-09
FEV1	TP53INP1	cg05266843	rs13257021	A	G	0.239	0.025	0.477	6.03E-21	-0.007	0.002	0.004	0.023	88.115	TRUE	1.76E-19
FEV1	TP53INP1	cg05266843	rs74789871	G	A	0.185	0.033	0.189	1.74E-08	0.006	0.003	0.040	0.009	31.748	TRUE	6.58E-08
FEV1	TP53INP1	cg09323728	rs112986157	C	T	-0.370	0.046	0.218	1.26E-15	0.004	0.003	0.186	0.017	63.936	TRUE	5.82E-15
FEV1	TP53INP1	cg09323728	rs113930555	A	C	-0.495	0.051	0.066	5.99E-22	-0.002	0.005	0.732	0.024	92.680	TRUE	1.92E-21
FEV1	TP53INP1	cg09323728	rs11777952	G	A	0.446	0.033	0.173	1.05E-41	-0.004	0.003	0.217	0.047	182.940	TRUE	5.68E-40
FEV1	TP53INP1	cg09323728	rs11986922	G	A	0.270	0.026	0.444	5.94E-26	-0.002	0.002	0.354	0.029	110.932	TRUE	4.49E-25
FEV1	TP53INP1	cg09323728	rs13255538	T	C	0.449	0.030	0.235	8.72E-52	0.005	0.003	0.062	0.058	229.119	TRUE	3.78E-49
FEV1	TP53INP1	cg09323728	rs13263440	A	G	-0.449	0.064	0.035	2.52E-12	0.004	0.006	0.555	0.013	49.008	TRUE	5.37E-12
FEV1	TP53INP1	cg09323728	rs13264488	T	C	-0.548	0.048	0.074	1.50E-30	0.002	0.004	0.618	0.034	131.930	TRUE	1.08E-29
FEV1	TP53INP1	cg09323728	rs1365201	T	C	0.451	0.036	0.143	2.06E-36	-0.006	0.003	0.092	0.041	158.725	TRUE	1.07E-34
FEV1	TP53INP1	cg09323728	rs139641839	T	C	0.575	0.067	0.036	1.55E-17	0.003	0.006	0.610	0.019	72.606	TRUE	4.30E-17
FEV1	TP53INP1	cg09323728	rs140806721	C	T	0.529	0.037	0.132	2.19E-47	-0.013	0.003	1.61E-04	0.053	208.956	TRUE	6.83E-44
FEV1	TP53INP1	cg09323728	rs17716607	T	C	-0.192	0.034	0.168	1.76E-08	0.004	0.003	0.161	0.009	31.731	TRUE	4.69E-08
FEV1	TP53INP1	cg09323728	rs17719449	A	T	0.366	0.053	0.061	4.59E-12	-0.011	0.005	0.019	0.013	47.831	TRUE	3.04E-11
FEV1	TP53INP1	cg09323728	rs2515113	A	T	0.238	0.036	0.147	4.05E-11	-0.008	0.003	0.012	0.012	43.565	TRUE	2.74E-10
FEV1	TP53INP1	cg09323728	rs2607059	T	C	0.148	0.026	0.365	1.95E-08	0.004	0.003	0.089	0.008	31.530	TRUE	6.09E-08
FEV1	TP53INP1	cg09323728	rs471691	C	T	0.607	0.061	0.045	1.71E-23	-0.002	0.006	0.780	0.026	99.723	TRUE	5.72E-23
FEV1	TP53INP1	cg09323728	rs58536083	C	T	-0.367	0.060	0.051	8.70E-10	0.001	0.005	0.832	0.010	37.576	TRUE	1.28E-09
FEV1	TP53INP1	cg09323728	rs605527	A	G	0.647	0.030	0.226	1.01E-105	0.003	0.003	0.381	0.114	476.642	TRUE	9.15E-100
FEV1	TP53INP1	cg09323728	rs6471511	T	C	0.347	0.030	0.250	5.69E-32	-0.005	0.003	0.071	0.036	138.418	TRUE	1.92E-30
FEV1	TP53INP1	cg09323728	rs7009937	C	T	0.431	0.054	0.062	1.56E-15	-0.002	0.005	0.672	0.017	63.521	TRUE	3.54E-15
FEV1	TP53INP1	cg09323728	rs72672648	T	C	-0.280	0.034	0.158	4.46E-16	0.003	0.003	0.409	0.018	65.987	TRUE	1.43E-15
FEV1	TP53INP1	cg09323728	rs72674808	G	A	-0.394	0.058	0.045	1.05E-11	0.005	0.006	0.417	0.012	46.203	TRUE	2.51E-11
FEV1	TP53INP1	cg09323728	rs76399728	T	C	-0.622	0.076	0.030	2.54E-16	0.006	0.007	0.367	0.018	67.092	TRUE	8.91E-16
FEV1	TP53INP1	cg09323728	rs76471882	T	C	0.425	0.068	0.035	3.77E-10	-0.016	0.006	0.010	0.010	39.206	TRUE	2.33E-09
FEV1	TP53INP1	cg13393036	rs10102090	A	C	0.147	0.026	0.382	2.17E-08	0.005	0.002	0.031	0.008	31.315	TRUE	8.78E-08
FEV1	TP53INP1	cg13393036	rs112986157	C	T	-0.372	0.046	0.218	7.76E-16	0.004	0.003	0.186	0.017	64.895	TRUE	3.64E-15
FEV1	TP53INP1	cg13393036	rs113930555	A	C	-0.539	0.051	0.066	8.68E-26	-0.002	0.005	0.732	0.029	110.182	TRUE	3.64E-25

FEV1	TP53INP1	cg13393036	rs11782625	G	A	0.418	0.045	0.085	2.48E-20	-0.013	0.004	0.003	0.023	85.323	TRUE	7.23E-19
FEV1	TP53INP1	cg13393036	rs11784384	T	A	0.591	0.099	0.019	2.24E-09	-0.008	0.009	0.417	0.010	35.736	TRUE	4.57E-09
FEV1	TP53INP1	cg13393036	rs11986922	G	A	0.284	0.026	0.444	1.49E-28	-0.002	0.002	0.354	0.032	122.800	TRUE	1.41E-27
FEV1	TP53INP1	cg13393036	rs13255538	T	C	0.469	0.030	0.235	1.66E-56	0.005	0.003	0.062	0.063	250.761	TRUE	1.40E-53
FEV1	TP53INP1	cg13393036	rs13263440	A	G	-0.494	0.064	0.035	1.27E-14	0.004	0.006	0.555	0.016	59.389	TRUE	3.13E-14
FEV1	TP53INP1	cg13393036	rs13264488	T	C	-0.543	0.048	0.074	4.92E-30	0.002	0.004	0.618	0.034	129.565	TRUE	3.41E-29
FEV1	TP53INP1	cg13393036	rs1365201	T	C	0.480	0.036	0.143	5.24E-41	-0.006	0.003	0.092	0.046	179.747	TRUE	4.67E-39
FEV1	TP53INP1	cg13393036	rs139641839	T	C	0.613	0.067	0.036	8.89E-20	0.003	0.006	0.610	0.022	82.797	TRUE	2.86E-19
FEV1	TP53INP1	cg13393036	rs17716607	T	C	-0.195	0.034	0.168	1.05E-08	0.004	0.003	0.161	0.009	32.727	TRUE	2.86E-08
FEV1	TP53INP1	cg13393036	rs17719449	A	T	0.384	0.053	0.061	4.08E-13	-0.011	0.005	0.019	0.014	52.576	TRUE	3.04E-12
FEV1	TP53INP1	cg13393036	rs2243550	C	A	-0.139	0.025	0.442	4.18E-08	-0.001	0.002	0.684	0.008	30.046	TRUE	6.42E-08
FEV1	TP53INP1	cg13393036	rs2515140	C	T	-0.287	0.031	0.213	5.49E-20	0.002	0.003	0.515	0.022	83.750	TRUE	2.03E-19
FEV1	TP53INP1	cg13393036	rs471691	C	T	0.639	0.061	0.045	6.97E-26	-0.002	0.006	0.780	0.029	110.615	TRUE	2.77E-25
FEV1	TP53INP1	cg13393036	rs58536083	C	T	-0.368	0.060	0.051	7.95E-10	0.001	0.005	0.832	0.010	37.751	TRUE	1.17E-09
FEV1	TP53INP1	cg13393036	rs605527	A	G	0.678	0.029	0.226	8.55E-117	0.003	0.003	0.381	0.125	527.505	TRUE	8.56E-110
FEV1	TP53INP1	cg13393036	rs6471511	T	C	0.328	0.030	0.250	1.06E-28	-0.005	0.003	0.071	0.032	123.485	TRUE	2.51E-27
FEV1	TP53INP1	cg13393036	rs6982086	T	C	0.408	0.028	0.264	1.20E-48	-0.006	0.003	0.018	0.055	214.742	TRUE	6.50E-46
FEV1	TP53INP1	cg13393036	rs7009937	C	T	0.444	0.054	0.062	2.13E-16	-0.002	0.005	0.672	0.018	67.446	TRUE	5.08E-16
FEV1	TP53INP1	cg13393036	rs72674808	G	A	-0.436	0.058	0.045	5.02E-14	0.005	0.006	0.417	0.015	56.691	TRUE	1.40E-13
FEV1	TP53INP1	cg13393036	rs73268196	C	A	0.317	0.049	0.069	6.70E-11	-0.001	0.005	0.893	0.011	42.583	TRUE	9.83E-11
FEV1	TP53INP1	cg13393036	rs76399728	T	C	-0.611	0.076	0.030	8.06E-16	0.006	0.007	0.367	0.017	64.820	TRUE	2.72E-15
FEV1	TP53INP1	cg13393036	rs79011592	A	G	-0.443	0.074	0.028	1.73E-09	0.001	0.007	0.871	0.010	36.242	TRUE	2.43E-09
FEV1	TP53INP1	cg16049864	rs10098593	A	G	-0.297	0.054	0.051	3.34E-08	0.005	0.005	0.341	0.008	30.485	TRUE	6.82E-08
FEV1	TP53INP1	cg16049864	rs10102090	A	C	0.146	0.026	0.382	2.96E-08	0.005	0.002	0.031	0.008	30.718	TRUE	1.18E-07
FEV1	TP53INP1	cg16049864	rs112458807	C	A	0.444	0.057	0.050	9.36E-15	-0.015	0.005	0.003	0.016	59.993	TRUE	1.31E-13
FEV1	TP53INP1	cg16049864	rs117463993	A	T	0.351	0.029	0.252	9.41E-33	-0.005	0.003	0.071	0.037	141.989	TRUE	3.46E-31
FEV1	TP53INP1	cg16049864	rs11782625	G	A	0.435	0.045	0.085	7.29E-22	-0.013	0.004	0.003	0.024	92.292	TRUE	2.58E-20
FEV1	TP53INP1	cg16049864	rs11784384	T	A	0.583	0.099	0.019	3.77E-09	-0.008	0.009	0.417	0.009	34.719	TRUE	7.59E-09
FEV1	TP53INP1	cg16049864	rs11986922	G	A	0.296	0.026	0.444	7.95E-31	-0.002	0.002	0.354	0.035	133.184	TRUE	9.27E-30
FEV1	TP53INP1	cg16049864	rs13263440	A	G	-0.442	0.064	0.035	5.48E-12	0.004	0.006	0.555	0.013	47.480	TRUE	1.15E-11
FEV1	TP53INP1	cg16049864	rs13264488	T	C	-0.598	0.048	0.074	3.09E-36	0.002	0.004	0.618	0.041	157.920	TRUE	3.70E-35
FEV1	TP53INP1	cg16049864	rs1365201	T	C	0.532	0.036	0.143	2.33E-50	-0.006	0.003	0.092	0.057	222.580	TRUE	6.85E-48
FEV1	TP53INP1	cg16049864	rs142455427	T	G	0.624	0.102	0.014	1.02E-09	-0.002	0.012	0.836	0.010	37.276	TRUE	1.48E-09
FEV1	TP53INP1	cg16049864	rs143148666	T	C	-0.610	0.090	0.020	1.03E-11	0.014	0.009	0.118	0.012	46.254	TRUE	3.97E-11
FEV1	TP53INP1	cg16049864	rs2044899	A	C	0.553	0.025	0.360	1.41E-106	-0.004	0.002	0.087	0.115	480.565	TRUE	8.77E-100
FEV1	TP53INP1	cg16049864	rs2243550	C	A	-0.158	0.025	0.442	5.05E-10	-0.001	0.002	0.684	0.010	38.636	TRUE	8.57E-10
FEV1	TP53INP1	cg16049864	rs2515140	C	T	-0.326	0.031	0.213	1.95E-25	0.002	0.003	0.515	0.029	108.574	TRUE	1.09E-24
FEV1	TP53INP1	cg16049864	rs2678821	T	C	0.296	0.052	0.062	1.34E-08	-0.007	0.005	0.147	0.009	32.252	TRUE	3.68E-08
FEV1	TP53INP1	cg16049864	rs28417924	G	C	-0.450	0.060	0.051	4.45E-14	0.001	0.005	0.846	0.015	56.927	TRUE	7.93E-14
FEV1	TP53INP1	cg16049864	rs3096607	C	T	-0.161	0.029	0.285	1.94E-08	0.004	0.003	0.175	0.008	31.539	TRUE	5.06E-08
FEV1	TP53INP1	cg16049864	rs36072239	G	A	0.206	0.026	0.470	6.00E-16	-0.001	0.002	0.764	0.017	65.401	TRUE	1.27E-15
FEV1	TP53INP1	cg16049864	rs56096323	A	G	-0.384	0.056	0.129	6.27E-12	0.005	0.004	0.162	0.013	47.216	TRUE	2.21E-11

FEV1	TP53INP1	cg16049864	rs575803593	T	A	0.635	0.066	0.036	4.17E-22	0.003	0.006	0.632	0.025	93.395	TRUE	1.54E-21
FEV1	TP53INP1	cg16049864	rs579798	C	T	0.799	0.029	0.225	7.19E-170	0.002	0.003	0.476	0.173	771.413	TRUE	5.48E-157
FEV1	TP53INP1	cg16049864	rs7009937	C	T	0.502	0.054	0.062	1.40E-20	-0.002	0.005	0.672	0.023	86.455	TRUE	4.35E-20
FEV1	TP53INP1	cg16049864	rs72674808	G	A	-0.421	0.058	0.045	3.82E-13	0.005	0.006	0.417	0.014	52.704	TRUE	1.00E-12
FEV1	TP53INP1	cg16049864	rs72679210	G	A	-0.646	0.045	0.083	1.53E-46	0.002	0.004	0.616	0.053	205.096	TRUE	5.25E-45
FEV1	TP53INP1	cg16049864	rs73268196	C	A	0.356	0.049	0.069	2.04E-13	-0.001	0.005	0.893	0.014	53.934	TRUE	3.37E-13
FEV1	TP53INP1	cg16049864	rs7459539	G	A	0.497	0.035	0.154	8.41E-47	0.002	0.003	0.636	0.053	206.281	TRUE	2.92E-45
FEV1	TP53INP1	cg16049864	rs75912292	T	C	0.678	0.081	0.026	4.04E-17	-0.021	0.007	0.003	0.019	70.719	TRUE	7.87E-16
FEV1	TP53INP1	cg16049864	rs76399728	T	C	-0.608	0.076	0.030	1.12E-15	0.006	0.007	0.367	0.017	64.172	TRUE	3.75E-15
FEV1	TP53INP1	cg16049864	rs7823050	T	A	-0.329	0.027	0.319	1.24E-34	-0.003	0.003	0.289	0.039	150.577	TRUE	2.52E-33
FEV1	TP53INP1	cg16049864	rs9643349	C	T	0.854	0.022	0.500	<1E-200	-0.008	0.002	3.79E-04	0.297	1559.860	TRUE	1.28E-293
FEV1	TP53INP1	cg18059933	rs112458807	C	A	0.483	0.057	0.050	3.52E-17	-0.015	0.005	0.003	0.019	70.991	TRUE	6.70E-16
FEV1	TP53INP1	cg18059933	rs117463993	A	T	0.368	0.029	0.252	9.13E-36	-0.005	0.003	0.071	0.040	155.765	TRUE	4.72E-34
FEV1	TP53INP1	cg18059933	rs11782625	G	A	0.424	0.045	0.085	7.00E-21	-0.013	0.004	0.003	0.023	87.821	TRUE	2.19E-19
FEV1	TP53INP1	cg18059933	rs11986922	G	A	0.289	0.026	0.444	1.84E-29	-0.002	0.002	0.354	0.033	126.946	TRUE	1.90E-28
FEV1	TP53INP1	cg18059933	rs13263440	A	G	-0.479	0.064	0.035	8.53E-14	0.004	0.006	0.555	0.015	55.649	TRUE	1.99E-13
FEV1	TP53INP1	cg18059933	rs13264488	T	C	-0.580	0.048	0.074	3.64E-34	0.002	0.004	0.618	0.039	148.445	TRUE	3.61E-33
FEV1	TP53INP1	cg18059933	rs1365201	T	C	0.496	0.036	0.143	7.77E-44	-0.006	0.003	0.092	0.050	192.699	TRUE	9.81E-42
FEV1	TP53INP1	cg18059933	rs142455427	T	G	0.597	0.102	0.014	5.21E-09	-0.002	0.012	0.836	0.009	34.090	TRUE	7.35E-09
FEV1	TP53INP1	cg18059933	rs17719449	A	T	0.409	0.053	0.061	1.10E-14	-0.011	0.005	0.019	0.016	59.681	TRUE	9.74E-14
FEV1	TP53INP1	cg18059933	rs2044899	A	C	0.543	0.025	0.360	2.78E-102	-0.004	0.002	0.087	0.111	460.845	TRUE	6.86E-96
FEV1	TP53INP1	cg18059933	rs2243550	C	A	-0.156	0.025	0.442	7.47E-10	-0.001	0.002	0.684	0.010	37.873	TRUE	1.26E-09
FEV1	TP53INP1	cg18059933	rs2439632	G	A	0.155	0.028	0.302	1.78E-08	0.000	0.003	0.862	0.008	31.708	TRUE	2.38E-08
FEV1	TP53INP1	cg18059933	rs2515140	C	T	-0.305	0.031	0.213	1.92E-22	0.002	0.003	0.515	0.025	94.928	TRUE	8.52E-22
FEV1	TP53INP1	cg18059933	rs2678836	G	A	0.348	0.052	0.063	1.47E-11	-0.007	0.005	0.148	0.012	45.547	TRUE	5.22E-11
FEV1	TP53INP1	cg18059933	rs36072239	G	A	0.190	0.026	0.470	9.39E-14	-0.001	0.002	0.764	0.015	55.460	TRUE	1.76E-13
FEV1	TP53INP1	cg18059933	rs4590408	G	A	0.428	0.048	0.075	8.08E-19	0.001	0.004	0.785	0.021	78.439	TRUE	1.99E-18
FEV1	TP53INP1	cg18059933	rs56096323	A	G	-0.368	0.056	0.129	4.73E-11	0.005	0.004	0.162	0.012	43.261	TRUE	1.55E-10
FEV1	TP53INP1	cg18059933	rs575803593	T	A	0.615	0.066	0.036	8.03E-21	0.003	0.006	0.632	0.023	87.548	TRUE	2.71E-20
FEV1	TP53INP1	cg18059933	rs579798	C	T	0.769	0.029	0.225	4.72E-156	0.002	0.003	0.476	0.161	707.901	TRUE	6.52E-145
FEV1	TP53INP1	cg18059933	rs58536083	C	T	-0.407	0.060	0.051	1.03E-11	0.001	0.005	0.832	0.012	46.255	TRUE	1.65E-11
FEV1	TP53INP1	cg18059933	rs72674808	G	A	-0.422	0.058	0.045	3.14E-13	0.005	0.006	0.417	0.014	53.092	TRUE	8.28E-13
FEV1	TP53INP1	cg18059933	rs72679210	G	A	-0.610	0.045	0.083	1.66E-41	0.002	0.004	0.616	0.047	182.031	TRUE	3.34E-40
FEV1	TP53INP1	cg18059933	rs73268196	C	A	0.337	0.049	0.069	4.05E-12	-0.001	0.005	0.893	0.013	48.072	TRUE	6.28E-12
FEV1	TP53INP1	cg18059933	rs7459539	G	A	0.504	0.035	0.154	4.82E-48	0.002	0.003	0.636	0.054	211.971	TRUE	1.92E-46
FEV1	TP53INP1	cg18059933	rs75102588	A	G	0.540	0.095	0.022	1.40E-08	-0.006	0.009	0.463	0.009	32.170	TRUE	2.60E-08
FEV1	TP53INP1	cg18059933	rs76399728	T	C	-0.684	0.076	0.030	1.78E-19	0.006	0.007	0.367	0.022	81.426	TRUE	7.89E-19
FEV1	TP53INP1	cg18059933	rs7823050	T	A	-0.361	0.027	0.319	1.08E-41	-0.003	0.003	0.289	0.047	182.885	TRUE	4.65E-40
FEV1	TP53INP1	cg18059933	rs9643349	C	T	0.862	0.022	0.500	<1E-200	-0.008	0.002	3.79E-04	0.302	1601.431	TRUE	1.36E-300
FEV1	TP53INP1	cg20039814	rs10102090	A	C	0.147	0.026	0.382	2.10E-08	0.005	0.002	0.031	0.008	31.381	TRUE	8.50E-08
FEV1	TP53INP1	cg20039814	rs112458807	C	A	0.467	0.057	0.050	3.79E-16	-0.015	0.005	0.003	0.018	66.309	TRUE	6.33E-15
FEV1	TP53INP1	cg20039814	rs112690110	T	C	-0.567	0.048	0.079	1.78E-32	0.002	0.004	0.609	0.037	140.725	TRUE	1.54E-31

FEV1	TP53INP1	cg20039814	rs117463993	A	T	0.355	0.029	0.252	1.92E-33	-0.005	0.003	0.071	0.038	145.146	TRUE	7.62E-32
FEV1	TP53INP1	cg20039814	rs11782625	G	A	0.434	0.045	0.085	8.70E-22	-0.013	0.004	0.003	0.024	91.943	TRUE	3.05E-20
FEV1	TP53INP1	cg20039814	rs11784384	T	A	0.567	0.099	0.019	9.85E-09	-0.008	0.009	0.417	0.009	32.853	TRUE	1.93E-08
FEV1	TP53INP1	cg20039814	rs11986922	G	A	0.301	0.026	0.444	5.72E-32	-0.002	0.002	0.354	0.036	138.405	TRUE	7.43E-31
FEV1	TP53INP1	cg20039814	rs13263440	A	G	-0.496	0.064	0.035	1.01E-14	0.004	0.006	0.555	0.016	59.844	TRUE	2.50E-14
FEV1	TP53INP1	cg20039814	rs1365201	T	C	0.517	0.036	0.143	1.36E-47	-0.006	0.003	0.092	0.054	209.910	TRUE	2.77E-45
FEV1	TP53INP1	cg20039814	rs142455427	T	G	0.586	0.102	0.014	9.87E-09	-0.002	0.012	0.836	0.009	32.848	TRUE	1.38E-08
FEV1	TP53INP1	cg20039814	rs17719449	A	T	0.417	0.053	0.061	3.27E-15	-0.011	0.005	0.019	0.017	62.066	TRUE	3.07E-14
FEV1	TP53INP1	cg20039814	rs17730047	C	T	-0.372	0.068	0.033	3.65E-08	0.006	0.007	0.397	0.008	30.308	TRUE	7.02E-08
FEV1	TP53INP1	cg20039814	rs2044899	A	C	0.544	0.025	0.360	1.08E-102	-0.004	0.002	0.087	0.111	462.720	TRUE	2.92E-96
FEV1	TP53INP1	cg20039814	rs2243550	C	A	-0.147	0.025	0.442	7.71E-09	-0.001	0.002	0.684	0.009	33.329	TRUE	1.23E-08
FEV1	TP53INP1	cg20039814	rs2439632	G	A	0.157	0.028	0.302	1.17E-08	0.000	0.003	0.862	0.009	32.521	TRUE	1.58E-08
FEV1	TP53INP1	cg20039814	rs2515140	C	T	-0.311	0.031	0.213	2.99E-23	0.002	0.003	0.515	0.026	98.609	TRUE	1.41E-22
FEV1	TP53INP1	cg20039814	rs36072239	G	A	0.195	0.026	0.470	2.35E-14	-0.001	0.002	0.764	0.015	58.188	TRUE	4.55E-14
FEV1	TP53INP1	cg20039814	rs56096323	A	G	-0.358	0.056	0.129	1.51E-10	0.005	0.004	0.162	0.011	40.996	TRUE	4.73E-10
FEV1	TP53INP1	cg20039814	rs575803593	T	A	0.643	0.066	0.036	1.39E-22	0.003	0.006	0.632	0.025	95.569	TRUE	5.31E-22
FEV1	TP53INP1	cg20039814	rs579798	C	T	0.783	0.029	0.225	1.99E-162	0.002	0.003	0.476	0.166	737.202	TRUE	1.69E-150
FEV1	TP53INP1	cg20039814	rs7009937	C	T	0.474	0.054	0.062	1.52E-18	-0.002	0.005	0.672	0.020	77.185	TRUE	4.16E-18
FEV1	TP53INP1	cg20039814	rs72674808	G	A	-0.433	0.058	0.045	7.37E-14	0.005	0.006	0.417	0.015	55.937	TRUE	2.03E-13
FEV1	TP53INP1	cg20039814	rs72676963	T	C	-0.503	0.085	0.027	2.67E-09	0.005	0.008	0.542	0.009	35.394	TRUE	4.82E-09
FEV1	TP53INP1	cg20039814	rs72679210	G	A	-0.603	0.045	0.083	1.19E-40	0.002	0.004	0.616	0.046	178.116	TRUE	2.19E-39
FEV1	TP53INP1	cg20039814	rs73268196	C	A	0.363	0.048	0.069	7.19E-14	-0.001	0.005	0.893	0.015	55.985	TRUE	1.21E-13
FEV1	TP53INP1	cg20039814	rs7459539	G	A	0.503	0.035	0.154	6.49E-48	0.002	0.003	0.636	0.054	211.380	TRUE	2.55E-46
FEV1	TP53INP1	cg20039814	rs7823050	T	A	-0.346	0.027	0.319	2.83E-38	-0.003	0.003	0.289	0.043	167.240	TRUE	8.39E-37
FEV1	TP53INP1	cg20039814	rs79011592	A	G	-0.413	0.074	0.028	1.99E-08	0.001	0.007	0.871	0.008	31.483	TRUE	2.69E-08
FEV1	TP53INP1	cg20039814	rs9643349	C	T	0.847	0.022	0.500	<1E-200	-0.008	0.002	3.79E-04	0.292	1522.433	TRUE	2.61E-287
FEV1	TP53INP1	cg23172400	rs10102090	A	C	0.162	0.026	0.382	7.66E-10	0.005	0.002	0.031	0.010	37.825	TRUE	3.65E-09
FEV1	TP53INP1	cg23172400	rs112690110	T	C	-0.463	0.048	0.079	4.70E-22	0.002	0.004	0.609	0.025	93.162	TRUE	1.77E-21
FEV1	TP53INP1	cg23172400	rs112986157	C	T	-0.287	0.046	0.218	5.97E-10	0.004	0.003	0.186	0.010	38.311	TRUE	1.72E-09
FEV1	TP53INP1	cg23172400	rs11782625	G	A	0.329	0.045	0.085	4.35E-13	-0.013	0.004	0.003	0.014	52.451	TRUE	5.05E-12
FEV1	TP53INP1	cg23172400	rs11986922	G	A	0.250	0.026	0.444	2.68E-22	-0.002	0.002	0.354	0.025	94.271	TRUE	1.50E-21
FEV1	TP53INP1	cg23172400	rs12546365	C	T	-0.864	0.021	0.484	<1E-200	0.006	0.002	0.009	0.308	1643.491	TRUE	<1E-200
FEV1	TP53INP1	cg23172400	rs13263440	A	G	-0.440	0.064	0.035	7.27E-12	0.004	0.006	0.555	0.013	46.928	TRUE	1.51E-11
FEV1	TP53INP1	cg23172400	rs13276227	A	C	0.300	0.025	0.392	5.55E-32	-0.003	0.002	0.208	0.036	138.467	TRUE	1.04E-30
FEV1	TP53INP1	cg23172400	rs1365201	T	C	0.454	0.036	0.143	8.91E-37	-0.006	0.003	0.092	0.042	160.388	TRUE	4.83E-35
FEV1	TP53INP1	cg23172400	rs17666409	T	G	0.639	0.056	0.053	1.82E-30	-0.003	0.005	0.616	0.034	131.539	TRUE	1.32E-29
FEV1	TP53INP1	cg23172400	rs17719449	A	T	0.331	0.053	0.061	4.48E-10	-0.011	0.005	0.019	0.010	38.870	TRUE	2.37E-09
FEV1	TP53INP1	cg23172400	rs2470748	G	A	-0.267	0.031	0.213	1.66E-17	0.002	0.003	0.515	0.019	72.477	TRUE	5.16E-17
FEV1	TP53INP1	cg23172400	rs34676693	G	A	0.421	0.027	0.347	7.06E-57	0.004	0.003	0.079	0.064	252.458	TRUE	5.46E-54
FEV1	TP53INP1	cg23172400	rs36072239	G	A	0.148	0.026	0.470	7.32E-09	-0.001	0.002	0.764	0.009	33.429	TRUE	1.08E-08
FEV1	TP53INP1	cg23172400	rs471691	C	T	0.546	0.061	0.045	3.04E-19	-0.002	0.006	0.780	0.021	80.371	TRUE	7.72E-19
FEV1	TP53INP1	cg23172400	rs55713629	C	T	0.283	0.048	0.069	5.18E-09	-0.001	0.005	0.882	0.009	34.101	TRUE	7.11E-09

FEV1	TP53INP1	cg23172400	rs561054075	C	G	-0.372	0.065	0.037	1.16E-08	0.017	0.019	0.387	0.009	32.529	TRUE	2.33E-08
FEV1	TP53INP1	cg23172400	rs6982086	T	C	0.348	0.028	0.264	1.12E-35	-0.006	0.003	0.018	0.040	155.357	TRUE	1.10E-33
FEV1	TP53INP1	cg23172400	rs7009937	C	T	0.383	0.054	0.062	1.36E-12	-0.002	0.005	0.672	0.013	50.213	TRUE	2.61E-12
FEV1	TP53INP1	cg23172400	rs72674808	G	A	-0.391	0.058	0.045	1.61E-11	0.005	0.006	0.417	0.012	45.367	TRUE	3.80E-11
FEV1	TP53INP1	cg23172400	rs72679210	G	A	-0.482	0.045	0.083	2.80E-26	0.002	0.004	0.616	0.029	112.421	TRUE	1.43E-25
FEV1	TP53INP1	cg23172400	rs7459539	G	A	0.424	0.035	0.154	2.66E-34	0.002	0.003	0.636	0.039	149.066	TRUE	2.63E-33
FEV1	TP53INP1	cg23172400	rs77581564	G	A	0.583	0.061	0.044	1.32E-21	0.016	0.006	0.011	0.024	91.111	TRUE	3.02E-20
FEV1	TP53INP1	cg23172400	rs7815731	C	G	-0.226	0.026	0.370	3.51E-18	-0.003	0.003	0.315	0.020	75.538	TRUE	1.52E-17
FEV1	TP53INP1	cg24253461	rs2459963	A	G	0.273	0.035	0.151	5.29E-15	-0.002	0.003	0.513	0.016	61.117	TRUE	1.39E-14
FEV1	TP53INP1	cg26343298	rs10089123	A	G	-0.276	0.050	0.068	3.93E-08	-0.009	0.004	0.037	0.008	30.169	TRUE	1.45E-07
FEV1	TP53INP1	cg26343298	rs113930555	A	C	0.423	0.051	0.066	2.06E-16	-0.002	0.005	0.732	0.018	67.511	TRUE	4.64E-16
FEV1	TP53INP1	cg26343298	rs11787442	A	G	-0.254	0.033	0.178	1.25E-14	-0.013	0.003	1.28E-05	0.016	59.429	TRUE	4.79E-13
FEV1	TP53INP1	cg26343298	rs11986922	G	A	-0.149	0.026	0.444	8.86E-09	-0.002	0.002	0.354	0.009	33.058	TRUE	1.84E-08
FEV1	TP53INP1	cg26343298	rs12056667	C	A	-0.302	0.034	0.176	1.22E-18	0.000	0.003	0.917	0.021	77.625	TRUE	2.56E-18
FEV1	TP53INP1	cg26343298	rs1320164	G	A	-0.582	0.024	0.498	4.39E-125	-0.008	0.002	0.001	0.133	565.590	TRUE	5.43E-115
FEV1	TP53INP1	cg26343298	rs17666409	T	G	-0.333	0.056	0.053	3.03E-09	-0.003	0.005	0.616	0.009	35.145	TRUE	5.15E-09
FEV1	TP53INP1	cg26343298	rs201770242	C	T	-0.242	0.037	0.135	3.88E-11	-0.002	0.004	0.525	0.012	43.649	TRUE	8.00E-11
FEV1	TP53INP1	cg26343298	rs2599710	A	G	-0.161	0.027	0.363	2.09E-09	0.004	0.003	0.150	0.010	35.870	TRUE	6.12E-09
FEV1	TP53INP1	cg26343298	rs2678821	T	C	-0.306	0.052	0.062	4.05E-09	-0.007	0.005	0.147	0.009	34.580	TRUE	1.16E-08
FEV1	TP53INP1	cg26343298	rs4329243	T	G	-0.216	0.026	0.390	3.61E-17	-0.003	0.002	0.280	0.019	70.943	TRUE	1.55E-16
FEV1	TP53INP1	cg26343298	rs7459539	G	A	-0.253	0.035	0.154	4.93E-13	0.002	0.003	0.636	0.014	52.205	TRUE	1.02E-12
FEV1	TP53INP1	cg26343298	rs7823050	T	A	0.156	0.027	0.319	8.73E-09	-0.003	0.003	0.289	0.009	33.088	TRUE	1.99E-08
FEV1	TP53INP1	cg26343298	rs79951127	T	C	0.319	0.049	0.074	6.66E-11	0.002	0.004	0.671	0.011	42.594	TRUE	1.18E-10
FEV1	TP53INP2	cg00820065	rs6058108	G	A	-0.300	0.024	0.400	1.40E-36	-0.004	0.002	0.116	0.041	159.486	TRUE	6.02E-35
FEV1	TP53INP2	cg00820065	rs7265992	A	G	0.187	0.030	0.170	4.76E-10	0.009	0.003	0.003	0.010	38.752	TRUE	3.48E-09
FEV1	TP53INP2	cg00876694	rs4911442	G	A	0.197	0.033	0.132	3.33E-09	0.008	0.003	0.021	0.009	34.959	TRUE	1.52E-08
FEV1	TP53INP2	cg00876694	rs6088618	A	G	-0.179	0.024	0.445	9.15E-14	-0.004	0.002	0.097	0.015	55.511	TRUE	4.67E-13
FEV1	TP53INP2	cg04270048	rs13037664	T	C	0.501	0.029	0.183	3.14E-68	0.008	0.003	0.008	0.076	304.519	TRUE	6.01E-64
FEV1	TP53INP2	cg04270048	rs4911363	G	A	0.136	0.024	0.355	2.45E-08	-0.001	0.002	0.559	0.008	31.082	TRUE	4.13E-08
FEV1	TP53INP2	cg04270048	rs6058179	A	G	0.169	0.025	0.308	1.36E-11	0.010	0.003	5.16E-05	0.012	45.694	TRUE	2.49E-10
FEV1	TP53INP2	cg04270048	rs6088372	T	C	0.275	0.032	0.137	5.76E-18	0.008	0.003	0.011	0.020	74.562	TRUE	8.78E-17
FEV1	TP53INP2	cg06115741	rs13044031	C	A	0.413	0.051	0.055	4.96E-16	-0.015	0.005	0.004	0.017	65.777	TRUE	7.70E-15
FEV1	TP53INP2	cg06115741	rs143384	G	A	0.181	0.024	0.401	3.32E-14	-0.017	0.002	3.50E-12	0.015	57.505	TRUE	6.42E-12
FEV1	TP53INP2	cg06115741	rs146582515	G	T	0.466	0.084	0.019	2.62E-08	0.000	0.009	0.971	0.008	30.956	TRUE	3.27E-08
FEV1	TP53INP2	cg06115741	rs147642147	T	C	0.413	0.049	0.073	5.22E-17	0.009	0.005	0.072	0.019	70.215	TRUE	3.93E-16
FEV1	TP53INP2	cg06115741	rs17092209	G	A	-0.314	0.037	0.124	1.43E-17	0.009	0.004	0.017	0.019	72.761	TRUE	1.78E-16
FEV1	TP53INP2	cg06115741	rs17309872	T	A	-0.356	0.050	0.059	1.03E-12	-0.001	0.005	0.906	0.014	50.757	TRUE	1.63E-12
FEV1	TP53INP2	cg06115741	rs2069946	C	T	0.365	0.060	0.041	1.06E-09	-0.002	0.006	0.667	0.010	37.195	TRUE	1.76E-09
FEV1	TP53INP2	cg06115741	rs2425020	T	C	-0.328	0.043	0.269	1.13E-14	0.007	0.003	0.011	0.016	59.621	TRUE	1.16E-13
FEV1	TP53INP2	cg06115741	rs6058179	A	G	0.197	0.025	0.308	3.35E-15	0.010	0.003	5.16E-05	0.016	62.017	TRUE	1.09E-13
FEV1	TP53INP2	cg06115741	rs6059575	C	T	0.267	0.023	0.477	1.27E-30	-0.005	0.002	0.036	0.035	132.252	TRUE	5.42E-29
FEV1	TP53INP2	cg06115741	rs6060017	C	A	-0.344	0.030	0.172	3.47E-31	0.008	0.003	0.008	0.035	134.829	TRUE	2.83E-29

FEV1	TP53INP2	cg06115741	rs6088776	C	T	0.288	0.034	0.139	1.08E-17	-0.019	0.003	2.84E-08	0.019	73.320	TRUE	1.75E-15
FEV1	TP53INP2	cg06115741	rs681147	A	T	0.287	0.034	0.144	4.58E-17	-0.001	0.003	0.755	0.019	70.470	TRUE	1.04E-16
FEV1	TP53INP2	cg06115741	rs7267042	A	C	0.186	0.028	0.229	6.21E-11	0.001	0.003	0.834	0.011	42.731	TRUE	9.65E-11
FEV1	TP53INP2	cg06115741	rs73095129	A	G	0.462	0.061	0.038	3.87E-14	0.000	0.006	0.990	0.015	57.201	TRUE	6.07E-14
FEV1	TP53INP2	cg06115741	rs910869	T	C	0.676	0.023	0.398	1.77E-196	-0.004	0.002	0.115	0.195	893.743	TRUE	6.12E-179
FEV1	TP53INP2	cg16810054	rs17310782	T	C	0.164	0.025	0.294	1.03E-10	0.011	0.003	7.56E-06	0.011	41.750	TRUE	2.15E-09
FEV1	TP53INP2	cg16810054	rs2424998	A	G	0.426	0.030	0.171	2.59E-47	0.008	0.003	0.008	0.053	208.625	TRUE	1.83E-44
FEV1	TP53INP2	cg16810054	rs6059839	C	T	-0.145	0.024	0.498	7.52E-10	0.004	0.002	0.097	0.010	37.861	TRUE	2.66E-09
FEV1	TP53INP2	cg16810054	rs6088372	T	C	0.220	0.032	0.137	6.96E-12	0.008	0.003	0.011	0.013	47.015	TRUE	5.21E-11
FEV1	TP53INP2	cg16810054	rs77831801	G	A	0.421	0.075	0.029	1.76E-08	-0.009	0.008	0.222	0.009	31.730	TRUE	4.23E-08
FEV1	TP53INP2	cg20592836	rs112321518	C	T	0.445	0.074	0.025	2.39E-09	-0.021	0.007	0.005	0.010	35.606	TRUE	1.50E-08
FEV1	TP53INP2	cg20592836	rs113921126	C	T	0.811	0.051	0.061	2.58E-57	0.005	0.005	0.354	0.064	254.464	TRUE	6.06E-55
FEV1	TP53INP2	cg20592836	rs115799334	G	A	0.396	0.058	0.042	1.19E-11	-0.020	0.006	1.85E-04	0.012	45.960	TRUE	1.79E-10
FEV1	TP53INP2	cg20592836	rs116971224	A	G	0.425	0.073	0.027	6.85E-09	-0.003	0.008	0.661	0.009	33.559	TRUE	1.10E-08
FEV1	TP53INP2	cg20592836	rs12481340	A	G	0.635	0.083	0.020	1.95E-14	-0.022	0.008	0.008	0.016	58.549	TRUE	2.09E-13
FEV1	TP53INP2	cg20592836	rs13042836	A	C	-0.459	0.061	0.036	5.69E-14	-0.001	0.006	0.859	0.015	56.444	TRUE	1.00E-13
FEV1	TP53INP2	cg20592836	rs147142368	T	A	0.713	0.082	0.020	4.81E-18	-0.002	0.008	0.843	0.020	74.917	TRUE	1.06E-17
FEV1	TP53INP2	cg20592836	rs148953382	A	G	0.322	0.055	0.044	4.61E-09	-0.010	0.006	0.081	0.009	34.331	TRUE	1.55E-08
FEV1	TP53INP2	cg20592836	rs1886693	G	C	0.220	0.024	0.397	8.47E-20	0.016	0.002	2.79E-11	0.022	82.891	TRUE	4.86E-17
FEV1	TP53INP2	cg20592836	rs200948404	A	G	-0.563	0.094	0.016	2.56E-09	0.010	0.009	0.259	0.009	35.477	TRUE	6.19E-09
FEV1	TP53INP2	cg20592836	rs2069946	C	T	0.640	0.060	0.041	9.12E-27	-0.002	0.006	0.667	0.030	114.647	TRUE	4.50E-26
FEV1	TP53INP2	cg20592836	rs2425023	C	T	0.656	0.024	0.337	8.64E-165	-0.011	0.003	7.40E-06	0.168	748.063	TRUE	1.65E-148
FEV1	TP53INP2	cg20592836	rs2425050	G	A	0.236	0.029	0.213	4.08E-16	-0.001	0.003	0.672	0.018	66.160	TRUE	9.71E-16
FEV1	TP53INP2	cg20592836	rs41312284	A	G	0.738	0.071	0.034	2.57E-25	-0.016	0.006	0.015	0.028	108.029	TRUE	8.04E-24
FEV1	TP53INP2	cg20592836	rs45610033	T	C	0.657	0.044	0.082	5.40E-51	-0.016	0.004	2.24E-04	0.057	225.491	TRUE	2.60E-47
FEV1	TP53INP2	cg20592836	rs6057936	A	G	-0.352	0.030	0.197	5.79E-32	0.001	0.003	0.664	0.036	138.381	TRUE	4.38E-31
FEV1	TP53INP2	cg20592836	rs6060017	C	A	-0.568	0.029	0.172	4.74E-84	0.008	0.003	0.008	0.093	377.129	TRUE	1.65E-78
FEV1	TP53INP2	cg20592836	rs6088316	G	A	-0.217	0.039	0.208	2.32E-08	0.003	0.003	0.318	0.008	31.186	TRUE	4.91E-08
FEV1	TP53INP2	cg20592836	rs6142035	T	G	-0.222	0.036	0.118	8.28E-10	-0.004	0.004	0.321	0.010	37.672	TRUE	1.94E-09
FEV1	TP53INP2	cg20592836	rs6142110	C	T	-0.292	0.033	0.149	1.73E-18	-0.005	0.003	0.135	0.020	76.936	TRUE	1.14E-17
FEV1	TP53INP2	cg20592836	rs6142137	C	T	0.994	0.017	0.425	<1E-200	-0.004	0.002	0.099	0.475	3351.556	TRUE	<1E-200
FEV1	TP53INP2	cg20592836	rs71350377	T	C	0.654	0.101	0.016	9.94E-11	-0.035	0.013	0.005	0.011	41.811	TRUE	7.49E-10
FEV1	TP53INP2	cg20592836	rs7266612	G	A	0.810	0.109	0.026	1.10E-13	-0.007	0.008	0.364	0.015	55.153	TRUE	3.17E-13
FEV1	TP53INP2	cg20592836	rs7267042	A	C	0.324	0.028	0.229	2.85E-30	0.001	0.003	0.834	0.034	130.649	TRUE	1.49E-29
FEV1	TP53INP2	cg20592836	rs73095129	A	G	0.749	0.061	0.038	1.09E-34	0.000	0.006	0.990	0.039	150.843	TRUE	6.43E-34
FEV1	TP53INP2	cg20592836	rs73096872	C	G	0.409	0.034	0.132	1.43E-32	0.006	0.004	0.112	0.037	141.155	TRUE	4.10E-31
FEV1	TP53INP2	cg20592836	rs75401510	G	C	-0.604	0.050	0.059	1.26E-33	-0.001	0.005	0.914	0.038	145.975	TRUE	7.57E-33
FEV1	TP53INP2	cg20592836	rs77831801	G	A	-0.599	0.075	0.029	1.17E-15	-0.009	0.008	0.222	0.017	64.090	TRUE	4.97E-15
FEV1	TP53INP2	cg24642439	rs113170938	A	C	0.577	0.096	0.018	1.61E-09	-0.008	0.010	0.392	0.010	36.381	TRUE	3.39E-09
FEV1	TP53INP2	cg24642439	rs13041102	A	G	0.385	0.053	0.052	3.72E-13	-0.016	0.006	0.003	0.014	52.759	TRUE	4.20E-12
FEV1	TP53INP2	cg24642439	rs147142368	T	A	0.448	0.081	0.020	2.88E-08	-0.002	0.008	0.843	0.008	30.769	TRUE	3.91E-08
FEV1	TP53INP2	cg24642439	rs17092209	G	A	-0.245	0.036	0.124	1.59E-11	0.009	0.004	0.017	0.012	45.400	TRUE	1.00E-10

FEV1	TP53INP2	cg24642439	rs181971379	A	G	0.357	0.063	0.034	1.48E-08	0.002	0.006	0.760	0.009	32.059	TRUE	2.16E-08
FEV1	TP53INP2	cg24642439	rs2425020	T	C	-0.437	0.042	0.269	3.24E-25	0.007	0.003	0.011	0.028	107.573	TRUE	1.12E-23
FEV1	TP53INP2	cg24642439	rs41312284	A	G	0.484	0.071	0.034	1.11E-11	-0.016	0.006	0.015	0.012	46.096	TRUE	7.44E-11
FEV1	TP53INP2	cg24642439	rs6059529	T	A	0.178	0.028	0.239	1.04E-10	0.001	0.003	0.598	0.011	41.726	TRUE	1.92E-10
FEV1	TP53INP2	cg24642439	rs6060313	T	C	0.273	0.035	0.136	2.89E-15	-0.001	0.003	0.813	0.017	62.303	TRUE	5.65E-15
FEV1	TP53INP2	cg24642439	rs6060378	G	T	0.242	0.025	0.322	1.34E-22	-0.015	0.003	2.33E-09	0.025	95.644	TRUE	7.14E-20
FEV1	TP53INP2	cg24642439	rs6142047	C	T	-0.207	0.023	0.457	5.62E-19	0.004	0.002	0.095	0.021	79.154	TRUE	4.67E-18
FEV1	TP53INP2	cg24642439	rs7265992	A	G	-0.315	0.029	0.170	1.06E-26	0.009	0.003	0.003	0.030	114.356	TRUE	6.27E-25
FEV1	TP53INP2	cg24642439	rs73096872	C	G	0.203	0.034	0.132	3.20E-09	0.006	0.004	0.112	0.009	35.039	TRUE	9.94E-09
FEV1	TP53INP2	cg24642439	rs79078695	G	T	0.367	0.036	0.120	6.79E-25	0.010	0.004	0.005	0.028	106.105	TRUE	2.83E-23
FEV1	TP53INP2	cg24642439	rs910869	T	C	0.678	0.021	0.398	4.05E-238	-0.004	0.002	0.115	0.227	1085.201	TRUE	6.29E-214
FEV1	TP73	cg00505606	rs3765754	C	T	-0.202	0.024	0.339	2.45E-17	0.002	0.002	0.452	0.019	71.706	TRUE	8.14E-17
FEV1	TP73	cg00589002	rs1122723	G	A	-0.198	0.024	0.426	1.44E-16	0.000	0.002	0.960	0.018	68.214	TRUE	2.59E-16
FEV1	TP73	cg00589002	rs144666894	A	T	-0.403	0.067	0.029	1.57E-09	-0.017	0.006	0.006	0.010	36.424	TRUE	9.89E-09
FEV1	TP73	cg00589002	rs3819963	T	C	0.288	0.030	0.178	2.90E-21	-0.001	0.003	0.865	0.024	89.563	TRUE	7.57E-21
FEV1	TP73	cg02134594	rs3765754	C	T	-0.289	0.024	0.339	5.81E-34	0.002	0.002	0.452	0.038	147.516	TRUE	7.54E-33
FEV1	TP73	cg03103850	rs3765754	C	T	-0.181	0.024	0.339	3.50E-14	0.002	0.002	0.452	0.015	57.399	TRUE	9.38E-14
FEV1	TP73	cg04137576	rs1885863	C	T	-0.318	0.029	0.207	2.20E-28	0.000	0.003	0.941	0.032	122.031	TRUE	8.43E-28
FEV1	TP73	cg04137576	rs2760321	T	C	0.272	0.031	0.175	1.53E-18	-0.002	0.003	0.500	0.020	77.182	TRUE	5.20E-18
FEV1	TP73	cg04137576	rs3818330	T	G	-0.242	0.028	0.213	1.25E-17	-0.001	0.003	0.814	0.019	73.031	TRUE	2.82E-17
FEV1	TP73	cg04159546	rs2146657	A	G	-0.235	0.029	0.203	6.09E-16	0.000	0.003	0.908	0.017	65.371	TRUE	1.11E-15
FEV1	TP73	cg04159546	rs35837097	A	G	-0.146	0.024	0.468	5.86E-10	0.005	0.002	0.029	0.010	38.347	TRUE	2.84E-09
FEV1	TP73	cg04159546	rs375432272	A	C	-0.744	0.113	0.022	3.85E-11	0.001	0.008	0.885	0.012	43.664	TRUE	5.75E-11
FEV1	TP73	cg04159546	rs3765703	G	T	-0.355	0.024	0.426	1.00E-50	0.000	0.002	0.992	0.057	224.265	TRUE	2.73E-49
FEV1	TP73	cg04159546	rs3765751	A	G	-0.351	0.025	0.289	2.35E-43	0.000	0.003	0.906	0.049	190.498	TRUE	3.46E-42
FEV1	TP73	cg04159546	rs3765769	C	T	-0.434	0.062	0.035	2.72E-12	-0.014	0.006	0.030	0.013	48.854	TRUE	1.64E-11
FEV1	TP73	cg04159546	rs6702451	T	A	-0.181	0.030	0.194	1.60E-09	0.003	0.003	0.292	0.010	36.385	TRUE	3.75E-09
FEV1	TP73	cg04159546	rs7526126	G	C	-0.180	0.031	0.177	5.70E-09	-0.002	0.003	0.492	0.009	33.916	TRUE	1.05E-08
FEV1	TP73	cg04392488	rs12117836	A	G	-0.380	0.025	0.346	2.77E-53	-0.004	0.002	0.090	0.060	235.985	TRUE	1.19E-50
FEV1	TP73	cg04392488	rs3753205	C	G	-0.249	0.043	0.213	7.31E-09	-0.001	0.003	0.667	0.009	33.433	TRUE	1.15E-08
FEV1	TP73	cg04392488	rs3765754	C	T	-0.198	0.024	0.339	1.40E-16	0.002	0.002	0.452	0.018	68.263	TRUE	4.43E-16
FEV1	TP73	cg04562683	rs12095248	G	A	0.457	0.040	0.093	7.31E-30	-0.001	0.004	0.909	0.034	128.783	TRUE	3.32E-29
FEV1	TP73	cg04562683	rs12121865	A	G	-0.508	0.074	0.058	5.48E-12	-0.004	0.005	0.421	0.013	47.482	TRUE	1.31E-11
FEV1	TP73	cg04562683	rs12737840	T	C	-0.815	0.027	0.387	3.71E-200	-0.005	0.002	0.030	0.198	910.649	TRUE	2.86E-181
FEV1	TP73	cg04562683	rs2224718	T	C	0.138	0.024	0.420	1.08E-08	-0.002	0.002	0.535	0.009	32.675	TRUE	1.90E-08
FEV1	TP73	cg04562683	rs35837097	A	G	-0.223	0.024	0.468	2.84E-21	0.005	0.002	0.029	0.024	89.600	TRUE	4.68E-20
FEV1	TP73	cg04562683	rs3765702	T	C	0.154	0.024	0.388	2.26E-10	0.001	0.002	0.585	0.011	40.210	TRUE	4.16E-10
FEV1	TP73	cg04562683	rs6424089	A	G	-0.318	0.034	0.461	3.31E-20	0.002	0.002	0.533	0.022	84.747	TRUE	1.24E-19
FEV1	TP73	cg04562683	rs72470159	C	G	0.669	0.095	0.034	1.72E-12	-0.015	0.006	0.019	0.013	49.755	TRUE	1.20E-11
FEV1	TP73	cg04600984	rs36031771	G	A	-0.138	0.024	0.404	1.18E-08	0.000	0.002	0.888	0.009	32.509	TRUE	1.56E-08
FEV1	TP73	cg04600984	rs4648534	T	C	-0.188	0.027	0.270	3.50E-12	0.000	0.003	0.955	0.013	48.361	TRUE	5.10E-12
FEV1	TP73	cg04600984	rs75368081	G	A	-0.253	0.044	0.072	7.23E-09	0.002	0.004	0.730	0.009	33.453	TRUE	1.10E-08

FEV1	TP73	cg05116756	rs35837097	A	G	-0.203	0.023	0.468	1.70E-18	0.005	0.002	0.029	0.020	76.973	TRUE	2.07E-17
FEV1	TP73	cg05116756	rs3765754	C	T	-0.136	0.024	0.339	7.59E-09	0.002	0.002	0.452	0.009	33.359	TRUE	1.44E-08
FEV1	TP73	cg05782471	rs1181880	T	C	-0.212	0.038	0.099	3.26E-08	0.005	0.004	0.161	0.008	30.527	TRUE	8.51E-08
FEV1	TP73	cg05782471	rs2146659	G	A	-0.276	0.024	0.365	5.28E-30	0.000	0.002	0.965	0.034	129.427	TRUE	2.22E-29
FEV1	TP73	cg05924583	rs12408890	C	T	-0.167	0.025	0.340	1.32E-11	-0.002	0.003	0.450	0.012	45.754	TRUE	3.02E-11
FEV1	TP73	cg05936300	rs2760317	T	C	-0.322	0.051	0.058	1.84E-10	-0.004	0.005	0.440	0.011	40.608	TRUE	3.95E-10
FEV1	TP73	cg05936300	rs2821022	A	T	-0.303	0.026	0.300	2.58E-32	0.000	0.003	0.932	0.036	139.989	TRUE	1.35E-31
FEV1	TP73	cg05936300	rs3765703	G	T	-0.182	0.024	0.426	3.29E-14	0.000	0.002	0.992	0.015	57.524	TRUE	5.10E-14
FEV1	TP73	cg05936300	rs7416277	A	G	-0.346	0.061	0.039	1.32E-08	-0.015	0.006	0.013	0.009	32.285	TRUE	6.33E-08
FEV1	TP73	cg06646112	rs3765737	G	A	0.251	0.024	0.376	1.95E-25	-0.001	0.002	0.778	0.029	108.574	TRUE	7.60E-25
FEV1	TP73	cg06939447	rs3765703	G	T	-0.134	0.024	0.426	1.90E-08	0.000	0.002	0.992	0.008	31.580	TRUE	2.33E-08
FEV1	TP73	cg06996273	rs3765754	C	T	-0.136	0.024	0.339	1.53E-08	0.002	0.002	0.452	0.009	31.995	TRUE	2.86E-08
FEV1	TP73	cg07045089	rs2296032	C	T	0.387	0.032	0.319	2.20E-33	0.001	0.003	0.765	0.038	144.874	TRUE	1.65E-32
FEV1	TP73	cg07045089	rs3765763	A	C	-0.169	0.031	0.174	4.66E-08	0.000	0.003	0.885	0.008	29.836	TRUE	6.08E-08
FEV1	TP73	cg09248714	rs3765692	C	T	0.379	0.037	0.249	8.86E-25	0.001	0.003	0.823	0.028	105.580	TRUE	3.05E-24
FEV1	TP73	cg09248714	rs3765730	A	G	-0.162	0.025	0.362	5.65E-11	0.000	0.002	0.899	0.011	42.917	TRUE	8.27E-11
FEV1	TP73	cg09248714	rs60206806	C	T	0.217	0.031	0.175	2.44E-12	-0.002	0.003	0.529	0.013	49.070	TRUE	5.39E-12
FEV1	TP73	cg09852697	rs1122723	G	A	-0.395	0.024	0.426	6.89E-63	0.000	0.002	0.960	0.070	280.020	TRUE	8.77E-61
FEV1	TP73	cg09852697	rs3765736	T	C	0.368	0.024	0.376	3.19E-53	-0.001	0.002	0.771	0.060	235.701	TRUE	1.76E-51
FEV1	TP73	cg09852697	rs3765769	C	T	-0.468	0.062	0.035	5.12E-14	-0.014	0.006	0.030	0.015	56.653	TRUE	3.70E-13
FEV1	TP73	cg11504517	rs10752739	G	A	0.405	0.023	0.482	1.52E-67	0.003	0.002	0.200	0.075	301.378	TRUE	2.60E-64
FEV1	TP73	cg11504517	rs2821022	A	T	-0.215	0.026	0.300	6.67E-17	0.000	0.003	0.932	0.019	69.731	TRUE	1.25E-16
FEV1	TP73	cg11504517	rs3765703	G	T	-0.213	0.024	0.426	4.94E-19	0.000	0.002	0.992	0.021	79.411	TRUE	9.77E-19
FEV1	TP73	cg11585071	rs1181880	T	C	-0.245	0.038	0.099	1.80E-10	0.005	0.004	0.161	0.011	40.645	TRUE	5.71E-10
FEV1	TP73	cg11585071	rs12121865	A	G	0.438	0.074	0.058	2.90E-09	-0.004	0.005	0.421	0.009	35.231	TRUE	5.81E-09
FEV1	TP73	cg11585071	rs1885870	C	G	-0.840	0.021	0.372	<1E-200	0.000	0.003	0.993	0.300	1586.883	TRUE	1.01E-303
FEV1	TP73	cg11585071	rs3765732	G	A	0.416	0.047	0.161	5.34E-19	0.003	0.003	0.360	0.021	79.255	TRUE	2.34E-18
FEV1	TP73	cg11585071	rs55657548	T	C	0.406	0.030	0.178	1.53E-40	-0.001	0.003	0.812	0.046	177.614	TRUE	1.99E-39
FEV1	TP73	cg11585071	rs7542464	T	C	0.295	0.025	0.317	2.71E-31	-0.002	0.003	0.342	0.035	135.319	TRUE	3.46E-30
FEV1	TP73	cg11970695	rs1122723	G	A	0.169	0.024	0.426	1.83E-12	0.000	0.002	0.960	0.013	49.627	TRUE	2.72E-12
FEV1	TP73	cg12268562	rs1122723	G	A	-0.272	0.024	0.426	5.45E-30	0.000	0.002	0.960	0.034	129.365	TRUE	2.29E-29
FEV1	TP73	cg12268562	rs1885868	C	T	-0.491	0.061	0.038	7.32E-16	-0.016	0.006	0.012	0.017	65.010	TRUE	8.45E-15
FEV1	TP73	cg12268562	rs2146659	G	A	0.321	0.024	0.365	3.08E-40	0.000	0.002	0.965	0.045	176.228	TRUE	3.06E-39
FEV1	TP73	cg12268562	rs3819968	T	G	-0.211	0.032	0.411	8.58E-11	-0.004	0.003	0.131	0.011	42.097	TRUE	2.91E-10
FEV1	TP73	cg13914636	rs3765743	T	C	-0.314	0.023	0.487	2.63E-42	-0.003	0.002	0.260	0.048	185.697	TRUE	1.28E-40
FEV1	TP73	cg13914636	rs3765769	C	T	-0.349	0.062	0.035	1.93E-08	-0.014	0.006	0.030	0.008	31.543	TRUE	7.63E-08
FEV1	TP73	cg13943358	rs10910003	A	G	0.508	0.048	0.148	3.94E-26	0.001	0.003	0.838	0.029	111.745	TRUE	1.50E-25
FEV1	TP73	cg14159342	rs2208992	C	T	-0.139	0.024	0.420	9.27E-09	-0.002	0.002	0.480	0.009	32.972	TRUE	1.71E-08
FEV1	TP73	cg14159342	rs35837097	A	G	0.147	0.024	0.468	5.16E-10	0.005	0.002	0.029	0.010	38.596	TRUE	2.52E-09
FEV1	TP73	cg14159342	rs3765703	G	T	-0.262	0.024	0.426	4.33E-28	0.000	0.002	0.992	0.032	120.687	TRUE	1.51E-27
FEV1	TP73	cg14159342	rs3765754	C	T	0.151	0.024	0.339	3.38E-10	0.002	0.002	0.452	0.011	39.418	TRUE	7.01E-10
FEV1	TP73	cg14159342	rs3765769	C	T	-0.354	0.062	0.035	1.32E-08	-0.014	0.006	0.030	0.009	32.283	TRUE	5.32E-08

FEV1	TP73	cg14660788	rs1122723	G	A	-0.295	0.024	0.426	3.73E-35	0.000	0.002	0.960	0.040	152.973	TRUE	2.36E-34
FEV1	TP73	cg14660788	rs12032272	T	C	-0.269	0.047	0.164	8.39E-09	-0.008	0.003	0.016	0.009	33.165	TRUE	4.05E-08
FEV1	TP73	cg14660788	rs12757620	G	T	0.163	0.024	0.434	6.27E-12	0.003	0.002	0.215	0.013	47.216	TRUE	1.96E-11
FEV1	TP73	cg14660788	rs2146659	G	A	0.322	0.024	0.365	1.48E-40	0.000	0.002	0.965	0.046	177.684	TRUE	1.51E-39
FEV1	TP73	cg15161371	rs3765736	T	C	0.134	0.024	0.376	2.25E-08	-0.001	0.002	0.771	0.008	31.251	TRUE	3.24E-08
FEV1	TP73	cg16024523	rs1181880	T	C	-0.215	0.038	0.099	1.97E-08	0.005	0.004	0.161	0.008	31.509	TRUE	5.23E-08
FEV1	TP73	cg16024523	rs3765753	T	G	0.339	0.025	0.289	8.50E-41	0.000	0.003	0.943	0.046	178.787	TRUE	9.29E-40
FEV1	TP73	cg16024523	rs3819958	A	G	-0.220	0.027	0.252	2.09E-16	0.002	0.003	0.538	0.018	67.483	TRUE	5.91E-16
FEV1	TP73	cg17163168	rs12757620	G	T	0.257	0.024	0.434	2.47E-27	0.003	0.002	0.215	0.031	117.232	TRUE	2.84E-26
FEV1	TP73	cg17163168	rs2181484	A	G	-0.230	0.039	0.108	2.77E-09	-0.002	0.004	0.559	0.009	35.323	TRUE	4.93E-09
FEV1	TP73	cg17163168	rs3765703	G	T	-0.462	0.023	0.426	1.65E-86	0.000	0.002	0.992	0.095	388.411	TRUE	6.90E-83
FEV1	TP73	cg17471939	rs114270141	T	C	-0.384	0.066	0.032	5.07E-09	-0.018	0.006	0.005	0.009	34.145	TRUE	3.06E-08
FEV1	TP73	cg17471939	rs2181484	A	G	-0.220	0.039	0.108	1.31E-08	-0.002	0.004	0.559	0.009	32.302	TRUE	2.25E-08
FEV1	TP73	cg17471939	rs3765695	A	C	-0.214	0.032	0.149	2.85E-11	0.000	0.003	0.913	0.012	44.254	TRUE	4.14E-11
FEV1	TP73	cg17471939	rs3765703	G	T	-0.405	0.024	0.426	3.45E-66	0.000	0.002	0.992	0.074	295.157	TRUE	6.38E-64
FEV1	TP73	cg17471939	rs4582730	G	A	0.133	0.024	0.380	4.46E-08	0.000	0.002	0.902	0.008	29.921	TRUE	5.80E-08
FEV1	TP73	cg17471939	rs55728961	A	C	0.238	0.024	0.452	5.51E-24	0.002	0.002	0.299	0.027	101.960	TRUE	3.99E-23
FEV1	TP73	cg17804348	rs1181867	A	G	-0.155	0.028	0.219	3.05E-08	0.005	0.003	0.076	0.008	30.657	TRUE	9.52E-08
FEV1	TP73	cg17804348	rs12757620	G	T	0.178	0.024	0.434	6.67E-14	0.003	0.002	0.215	0.015	56.134	TRUE	2.43E-13
FEV1	TP73	cg17804348	rs2251098	G	A	-0.218	0.039	0.108	1.72E-08	-0.002	0.004	0.561	0.009	31.766	TRUE	2.94E-08
FEV1	TP73	cg17907911	rs3765739	G	A	-0.426	0.023	0.376	2.91E-74	-0.001	0.002	0.713	0.082	332.204	TRUE	3.26E-71
FEV1	TP73	cg17919477	rs10910001	C	T	-0.315	0.058	0.045	4.60E-08	-0.001	0.006	0.909	0.008	29.863	TRUE	5.95E-08
FEV1	TP73	cg17919477	rs2244942	C	T	-0.425	0.025	0.282	2.98E-64	-0.002	0.003	0.560	0.072	286.276	TRUE	1.06E-61
FEV1	TP73	cg17919477	rs36031771	G	A	-0.165	0.024	0.404	4.88E-12	0.000	0.002	0.888	0.013	47.707	TRUE	7.50E-12
FEV1	TP73	cg17919477	rs6679556	T	A	-0.287	0.029	0.202	8.12E-24	0.000	0.003	0.941	0.027	101.193	TRUE	2.27E-23
FEV1	TP73	cg17986341	rs1745813	T	C	-0.265	0.028	0.214	4.02E-21	0.007	0.003	0.022	0.023	88.914	TRUE	7.14E-20
FEV1	TP73	cg17986341	rs6695978	A	G	0.378	0.059	0.040	2.12E-10	-0.016	0.006	0.011	0.011	40.329	TRUE	1.29E-09
FEV1	TP73	cg18279180	rs12033595	G	A	-0.647	0.046	0.164	1.38E-45	-0.008	0.003	0.012	0.051	200.714	TRUE	5.87E-43
FEV1	TP73	cg18279180	rs12126706	T	C	0.182	0.025	0.300	8.26E-13	0.003	0.003	0.335	0.014	51.190	TRUE	2.34E-12
FEV1	TP73	cg18279180	rs3765703	G	T	-0.192	0.024	0.426	9.15E-16	0.000	0.002	0.992	0.017	64.571	TRUE	1.53E-15
FEV1	TP73	cg18279180	rs3765770	A	G	-0.612	0.062	0.035	5.43E-23	-0.015	0.006	0.022	0.026	97.433	TRUE	1.14E-21
FEV1	TP73	cg19688837	rs2096224	G	A	0.152	0.028	0.218	4.98E-08	0.006	0.003	0.046	0.008	29.710	TRUE	1.73E-07
FEV1	TP73	cg19692322	rs3765754	C	T	-0.158	0.024	0.339	4.53E-11	0.002	0.002	0.452	0.012	43.347	TRUE	9.91E-11
FEV1	TP73	cg19819912	rs3765754	C	T	-0.137	0.024	0.339	1.08E-08	0.002	0.002	0.452	0.009	32.679	TRUE	2.03E-08
FEV1	TP73	cg20306863	rs10910003	A	G	0.393	0.048	0.148	4.54E-16	0.001	0.003	0.838	0.018	65.952	TRUE	9.14E-16
FEV1	TP73	cg20306863	rs12121865	A	G	0.545	0.074	0.058	1.29E-13	-0.004	0.005	0.421	0.015	54.829	TRUE	3.45E-13
FEV1	TP73	cg20306863	rs34868661	G	A	-0.256	0.024	0.364	1.52E-25	0.001	0.002	0.822	0.029	109.073	TRUE	5.48E-25
FEV1	TP73	cg20306863	rs6663736	C	T	-0.154	0.026	0.290	1.75E-09	-0.002	0.003	0.546	0.010	36.215	TRUE	3.13E-09
FEV1	TP73	cg20306863	rs7544357	A	G	0.155	0.026	0.288	2.75E-09	0.004	0.003	0.167	0.009	35.331	TRUE	7.68E-09
FEV1	TP73	cg20768358	rs10909975	C	A	0.191	0.032	0.174	1.57E-09	0.002	0.003	0.533	0.010	36.421	TRUE	2.91E-09
FEV1	TP73	cg20768358	rs10909987	G	C	-0.300	0.025	0.340	4.43E-34	-0.002	0.003	0.436	0.038	148.057	TRUE	5.88E-33
FEV1	TP73	cg20768358	rs10910001	C	T	-0.449	0.058	0.045	1.47E-14	-0.001	0.006	0.909	0.016	59.102	TRUE	2.54E-14

FEV1	TP73	cg20768358	rs10910003	A	G	0.502	0.048	0.148	1.92E-25	0.001	0.003	0.838	0.029	108.610	TRUE	6.95E-25
FEV1	TP73	cg20768358	rs12028205	T	G	-0.134	0.024	0.420	2.12E-08	0.000	0.002	0.998	0.008	31.365	TRUE	2.60E-08
FEV1	TP73	cg20768358	rs12408890	C	T	-0.572	0.024	0.340	5.32E-126	-0.002	0.003	0.450	0.133	569.801	TRUE	3.36E-118
FEV1	TP73	cg20768358	rs1885868	C	T	-0.359	0.061	0.038	3.85E-09	-0.016	0.006	0.012	0.009	34.678	TRUE	2.01E-08
FEV1	TP73	cg21388339	rs12126706	T	C	-0.311	0.025	0.300	1.10E-34	0.003	0.003	0.335	0.039	150.830	TRUE	1.95E-33
FEV1	TP73	cg21388339	rs144666894	A	T	-0.387	0.067	0.029	7.03E-09	-0.017	0.006	0.006	0.009	33.508	TRUE	4.06E-08
FEV1	TP73	cg21388339	rs2273953	A	G	0.251	0.043	0.208	6.38E-09	0.000	0.003	0.921	0.009	33.698	TRUE	8.45E-09
FEV1	TP73	cg21388339	rs3765698	C	T	0.262	0.044	0.072	2.10E-09	0.002	0.004	0.718	0.010	35.855	TRUE	3.33E-09
FEV1	TP73	cg21388339	rs3765732	G	A	1.116	0.043	0.161	2.84E-149	0.003	0.003	0.360	0.155	676.742	TRUE	1.03E-138
FEV1	TP73	cg21388339	rs3765758	G	A	0.152	0.024	0.440	1.41E-10	-0.002	0.002	0.476	0.011	41.124	TRUE	2.92E-10
FEV1	TP73	cg21388339	rs3765768	C	T	0.299	0.032	0.499	2.06E-20	0.002	0.002	0.478	0.023	85.687	TRUE	8.24E-20
FEV1	TP73	cg21418707	rs3819959	C	T	-0.186	0.024	0.373	1.61E-14	-0.001	0.002	0.730	0.016	58.923	TRUE	3.25E-14
FEV1	TP73	cg21827809	rs3765703	G	T	-0.227	0.024	0.426	1.97E-21	0.000	0.002	0.992	0.024	90.323	TRUE	4.47E-21
FEV1	TP73	cg21827809	rs4648530	G	A	-0.156	0.028	0.226	2.57E-08	0.001	0.003	0.651	0.008	30.988	TRUE	4.06E-08
FEV1	TP73	cg21827809	rs60206806	C	T	-0.533	0.030	0.175	3.92E-69	-0.002	0.003	0.529	0.077	308.669	TRUE	3.17E-66
FEV1	TP73	cg22039909	rs2254530	C	A	0.157	0.026	0.258	3.28E-09	0.002	0.003	0.416	0.009	34.992	TRUE	6.62E-09
FEV1	TP73	cg22039909	rs41301973	A	G	0.509	0.059	0.040	6.95E-18	-0.016	0.006	0.010	0.020	74.189	TRUE	1.07E-16
FEV1	TP73	cg22048228	rs3765703	G	T	0.179	0.024	0.426	6.11E-14	0.000	0.002	0.992	0.015	56.305	TRUE	9.38E-14
FEV1	TP73	cg22234529	rs12028205	T	G	-0.266	0.024	0.420	6.49E-29	0.000	0.002	0.998	0.033	124.449	TRUE	2.41E-28
FEV1	TP73	cg22234529	rs35837097	A	G	0.147	0.024	0.468	4.98E-10	0.005	0.002	0.029	0.010	38.664	TRUE	2.43E-09
FEV1	TP73	cg22234529	rs3765754	C	T	0.204	0.024	0.339	1.40E-17	0.002	0.002	0.452	0.019	72.816	TRUE	4.72E-17
FEV1	TP73	cg22383924	rs3765703	G	T	-0.131	0.024	0.426	4.32E-08	0.000	0.002	0.992	0.008	29.983	TRUE	5.25E-08
FEV1	TP73	cg23052055	rs1122723	G	A	-0.314	0.024	0.426	7.64E-40	0.000	0.002	0.960	0.045	174.420	TRUE	7.33E-39
FEV1	TP73	cg23052055	rs12046074	T	C	-0.377	0.061	0.037	8.05E-10	-0.017	0.006	0.007	0.010	37.727	TRUE	5.06E-09
FEV1	TP73	cg23052055	rs3765695	A	C	-0.177	0.032	0.149	4.21E-08	0.000	0.003	0.913	0.008	30.033	TRUE	5.39E-08
FEV1	TP73	cg23052055	rs55657548	T	C	0.516	0.030	0.178	1.96E-65	-0.001	0.003	0.812	0.073	291.693	TRUE	4.77E-63
FEV1	TP73	cg23052055	rs78340412	C	T	-0.327	0.047	0.158	4.38E-12	-0.009	0.003	0.007	0.013	47.920	TRUE	3.65E-11
FEV1	TP73	cg24356964	rs10752739	G	A	0.141	0.024	0.482	2.31E-09	0.003	0.002	0.200	0.010	35.670	TRUE	6.06E-09
FEV1	TP73	cg24356964	rs3765770	A	G	-0.421	0.062	0.035	1.28E-11	-0.015	0.006	0.022	0.012	45.822	TRUE	7.76E-11
FEV1	TP73	cg25352980	rs3765770	A	G	0.586	0.062	0.035	2.66E-21	-0.015	0.006	0.022	0.024	89.730	TRUE	4.65E-20
FEV1	TP73	cg25758394	rs17379833	T	A	-0.162	0.024	0.371	2.18E-11	0.000	0.002	0.916	0.012	44.776	TRUE	3.26E-11
FEV1	TP73	cg26034538	rs2096224	G	A	0.198	0.028	0.218	1.82E-12	0.006	0.003	0.046	0.013	49.647	TRUE	1.01E-11
FEV1	TP73	cg26055950	rs12757620	G	T	0.233	0.024	0.434	1.16E-22	0.003	0.002	0.215	0.025	95.935	TRUE	8.72E-22
FEV1	TP73	cg26055950	rs3765695	A	C	-0.207	0.032	0.149	1.34E-10	0.000	0.003	0.913	0.011	41.231	TRUE	1.89E-10
FEV1	TP73	cg26055950	rs3765703	G	T	-0.391	0.024	0.426	1.50E-61	0.000	0.002	0.992	0.069	273.879	TRUE	1.50E-59
FEV1	TP73	cg26105278	rs2208992	C	T	-0.179	0.024	0.420	1.34E-13	-0.002	0.002	0.480	0.015	54.765	TRUE	3.35E-13
FEV1	TP73	cg26105278	rs2244942	C	T	-0.158	0.026	0.282	1.23E-09	-0.002	0.003	0.560	0.010	36.897	TRUE	2.23E-09
FEV1	TP73	cg26105278	rs35837097	A	G	0.129	0.024	0.468	4.28E-08	0.005	0.002	0.029	0.008	30.001	TRUE	1.68E-07
FEV1	TP73	cg26105278	rs3765703	G	T	-0.167	0.024	0.426	3.38E-12	0.000	0.002	0.992	0.013	48.429	TRUE	4.81E-12
FEV1	TP73	cg26105278	rs3765754	C	T	0.155	0.024	0.339	1.02E-10	0.002	0.002	0.452	0.011	41.768	TRUE	2.18E-10
FEV1	TP73	cg26208930	rs879622	A	G	0.138	0.024	0.364	1.83E-08	0.001	0.002	0.852	0.008	31.655	TRUE	2.52E-08
FEV1	TP73	cg26810690	rs4610947	A	C	-0.187	0.024	0.373	1.02E-14	-0.001	0.002	0.700	0.016	59.821	TRUE	2.15E-14

FEV1	TP73	cg27055894	rs3765703	G	T	-0.260	0.024	0.426	7.02E-28	0.000	0.002	0.992	0.031	119.728	TRUE	2.42E-27
FEV1	TP73	cg27564766	rs4648552	T	C	0.478	0.031	0.164	2.96E-53	0.004	0.003	0.226	0.060	235.850	TRUE	6.01E-51
FEV1	TPCN2	cg01385198	rs11228450	T	C	-0.176	0.027	0.263	3.07E-11	-0.003	0.003	0.196	0.012	44.105	TRUE	9.41E-11
FEV1	TPCN2	cg01385198	rs3892895	A	G	-0.255	0.024	0.348	2.17E-25	0.005	0.003	0.049	0.028	108.361	TRUE	4.37E-24
FEV1	TPCN2	cg01385198	rs655816	G	A	0.418	0.025	0.295	5.65E-61	0.014	0.003	6.47E-08	0.068	271.245	TRUE	1.88E-55
FEV1	TPCN2	cg01385198	rs7116054	T	C	0.191	0.029	0.200	6.46E-11	-0.002	0.003	0.455	0.011	42.653	TRUE	1.39E-10
FEV1	TPCN2	cg01385198	rs7342227	A	T	-0.185	0.028	0.216	5.51E-11	-0.003	0.003	0.255	0.011	42.962	TRUE	1.54E-10
FEV1	TPCN2	cg01403660	rs1004989	A	G	-0.390	0.040	0.101	4.62E-22	-0.004	0.004	0.321	0.025	93.193	TRUE	2.67E-21
FEV1	TPCN2	cg01403660	rs11228516	T	C	0.358	0.024	0.381	1.43E-51	0.003	0.002	0.158	0.058	228.127	TRUE	3.24E-49
FEV1	TPCN2	cg01403660	rs12270146	G	A	-0.187	0.028	0.229	1.96E-11	0.009	0.003	6.13E-04	0.012	44.982	TRUE	2.47E-10
FEV1	TPCN2	cg01403660	rs148668795	A	G	0.547	0.097	0.014	1.47E-08	-0.013	0.009	0.114	0.009	32.075	TRUE	4.31E-08
FEV1	TPCN2	cg01403660	rs2924533	C	A	0.471	0.029	0.178	7.78E-58	0.002	0.003	0.415	0.065	256.850	TRUE	1.63E-55
FEV1	TPCN2	cg01403660	rs3019776	A	G	0.336	0.053	0.120	1.96E-10	0.003	0.004	0.424	0.011	40.484	TRUE	4.21E-10
FEV1	TPCN2	cg01403660	rs34105531	G	A	-0.450	0.036	0.116	1.52E-35	0.001	0.004	0.738	0.040	154.757	TRUE	1.42E-34
FEV1	TPCN2	cg01403660	rs61746574	A	G	-0.456	0.036	0.133	1.11E-37	-0.003	0.004	0.392	0.043	164.520	TRUE	2.38E-36
FEV1	TPCN2	cg01403660	rs67943767	T	C	-0.309	0.054	0.052	9.54E-09	0.006	0.006	0.254	0.009	32.916	TRUE	2.24E-08
FEV1	TPCN2	cg01403660	rs7102758	G	A	-0.180	0.024	0.481	2.03E-14	-0.005	0.002	0.024	0.016	58.473	TRUE	1.59E-13
FEV1	TPCN2	cg01403660	rs72940444	T	G	0.414	0.052	0.058	1.07E-15	-0.001	0.005	0.922	0.017	64.257	TRUE	1.94E-15
FEV1	TPCN2	cg01403660	rs75840048	T	C	0.534	0.068	0.030	3.61E-15	0.006	0.006	0.386	0.016	61.867	TRUE	1.13E-14
FEV1	TPCN2	cg01403660	rs7932947	C	A	0.820	0.020	0.498	<1E-200	0.006	0.002	0.009	0.308	1644.445	TRUE	<1E-200
FEV1	TPCN2	cg01993067	rs1004989	A	G	-0.243	0.041	0.101	2.16E-09	-0.004	0.004	0.321	0.010	35.808	TRUE	4.83E-09
FEV1	TPCN2	cg01993067	rs117940236	G	A	-0.234	0.037	0.117	1.60E-10	0.000	0.004	1.000	0.011	40.884	TRUE	2.12E-10
FEV1	TPCN2	cg01993067	rs56005939	A	G	0.151	0.024	0.369	5.70E-10	0.004	0.003	0.077	0.010	38.400	TRUE	2.07E-09
FEV1	TPCN2	cg01993067	rs7116054	T	C	-0.295	0.029	0.200	3.46E-24	-0.002	0.003	0.455	0.027	102.881	TRUE	1.89E-23
FEV1	TPCN2	cg01993067	rs72932523	A	G	0.518	0.042	0.085	4.89E-35	0.000	0.004	0.942	0.040	152.434	TRUE	3.18E-34
FEV1	TPCN2	cg02584610	rs1004989	A	G	-0.233	0.040	0.101	5.97E-09	-0.004	0.004	0.321	0.009	33.826	TRUE	1.30E-08
FEV1	TPCN2	cg02584610	rs1108714	A	G	0.140	0.025	0.322	1.53E-08	0.013	0.003	6.30E-07	0.009	31.996	TRUE	2.76E-07
FEV1	TPCN2	cg02584610	rs12417953	A	G	0.138	0.023	0.461	2.83E-09	0.003	0.002	0.154	0.009	35.276	TRUE	8.10E-09
FEV1	TPCN2	cg02584610	rs58950526	G	T	0.349	0.023	0.473	3.84E-52	0.005	0.002	0.046	0.059	230.749	TRUE	2.28E-49
FEV1	TPCN2	cg06837675	rs7925986	T	C	-0.144	0.026	0.261	3.54E-08	-0.004	0.003	0.180	0.008	30.371	TRUE	8.98E-08
FEV1	TPCN2	cg12152352	rs1017641	C	T	0.154	0.024	0.374	1.21E-10	0.011	0.002	1.63E-05	0.011	41.432	TRUE	2.29E-09
FEV1	TPCN2	cg12152352	rs11228589	A	G	-0.236	0.032	0.173	1.41E-13	0.001	0.003	0.834	0.015	54.657	TRUE	2.50E-13
FEV1	TPCN2	cg12152352	rs117940236	G	A	-0.289	0.037	0.117	2.63E-15	0.000	0.004	1.000	0.017	62.493	TRUE	4.30E-15
FEV1	TPCN2	cg12152352	rs12270146	G	A	-0.228	0.028	0.229	2.69E-16	0.009	0.003	6.13E-04	0.018	66.980	TRUE	6.81E-15
FEV1	TPCN2	cg12152352	rs3019776	A	G	0.417	0.053	0.120	1.98E-15	0.003	0.004	0.424	0.017	63.051	TRUE	5.93E-15
FEV1	TPCN2	cg12152352	rs56005939	A	G	0.243	0.024	0.369	1.13E-23	0.004	0.003	0.077	0.026	100.538	TRUE	1.51E-22
FEV1	TPCN2	cg12152352	rs7116054	T	C	-0.302	0.029	0.200	2.37E-25	-0.002	0.003	0.455	0.028	108.188	TRUE	1.42E-24
FEV1	TPCN2	cg12152352	rs72932540	G	A	0.361	0.042	0.086	1.30E-17	0.000	0.004	0.924	0.019	72.950	TRUE	2.60E-17
FEV1	TPCN2	cg12152352	rs79481933	A	G	-0.453	0.065	0.078	2.23E-12	-0.005	0.005	0.291	0.013	49.242	TRUE	6.47E-12
FEV1	TPCN2	cg16000022	rs1005858	C	T	-0.462	0.023	0.483	9.79E-90	0.005	0.002	0.038	0.098	403.230	TRUE	3.87E-84
FEV1	TPCN2	cg16000022	rs11228508	G	C	0.263	0.042	0.094	4.71E-10	-0.006	0.004	0.123	0.010	38.775	TRUE	1.54E-09
FEV1	TPCN2	cg16000022	rs117940236	G	A	0.215	0.037	0.117	4.25E-09	0.000	0.004	1.000	0.009	34.489	TRUE	5.35E-09

FEV1	TPCN2	cg16000022	rs12417953	A	G	-0.279	0.023	0.461	5.79E-33	0.003	0.002	0.154	0.037	142.954	TRUE	1.45E-31
FEV1	TPCN2	cg16000022	rs3019776	A	G	-0.399	0.053	0.120	3.05E-14	0.003	0.004	0.424	0.015	57.668	TRUE	8.43E-14
FEV1	TPCN2	cg16000022	rs668576	G	A	0.179	0.026	0.297	2.69E-12	0.014	0.003	4.64E-08	0.013	48.876	TRUE	1.33E-10
FEV1	TPCN2	cg16000022	rs67943767	T	C	0.294	0.054	0.052	4.98E-08	0.006	0.006	0.254	0.008	29.708	TRUE	1.11E-07
FEV1	TPCN2	cg16000022	rs930788	T	C	0.168	0.023	0.437	5.83E-13	-0.002	0.002	0.517	0.014	51.874	TRUE	1.32E-12
FEV1	TPCN2	cg16709353	rs1004989	A	G	0.279	0.041	0.101	6.12E-12	-0.004	0.004	0.321	0.013	47.266	TRUE	1.64E-11
FEV1	TPCN2	cg16709353	rs11601194	G	A	0.487	0.069	0.031	1.83E-12	0.003	0.007	0.659	0.013	49.630	TRUE	3.57E-12
FEV1	TPCN2	cg16709353	rs117940236	G	A	0.319	0.037	0.117	2.24E-18	0.000	0.004	1.000	0.020	76.426	TRUE	4.28E-18
FEV1	TPCN2	cg16709353	rs12270146	G	A	0.236	0.028	0.229	2.42E-17	0.009	0.003	6.13E-04	0.019	71.729	TRUE	7.08E-16
FEV1	TPCN2	cg16709353	rs12577751	T	C	-0.477	0.066	0.030	4.24E-13	0.007	0.006	0.239	0.014	52.502	TRUE	1.42E-12
FEV1	TPCN2	cg16709353	rs3019776	A	G	-0.383	0.053	0.120	3.19E-13	0.003	0.004	0.424	0.014	53.059	TRUE	8.22E-13
FEV1	TPCN2	cg16709353	rs4930652	G	A	-0.739	0.021	0.482	7.29E-279	0.005	0.002	0.033	0.256	1272.578	TRUE	2.19E-246
FEV1	TPCN2	cg16709353	rs56005939	A	G	-0.189	0.024	0.369	7.95E-15	0.004	0.003	0.077	0.016	60.316	TRUE	4.55E-14
FEV1	TPCN2	cg16709353	rs67943767	T	C	0.379	0.054	0.052	1.78E-12	0.006	0.006	0.254	0.013	49.683	TRUE	5.57E-12
FEV1	TPCN2	cg16709353	rs7116054	T	C	0.378	0.029	0.200	7.49E-39	-0.002	0.003	0.455	0.044	169.883	TRUE	1.54E-37
FEV1	TPCN2	cg16709353	rs72932540	G	A	-0.442	0.042	0.086	9.87E-26	0.000	0.004	0.924	0.029	109.926	TRUE	3.24E-25
FEV1	TPCN2	cg16709353	rs7940105	A	G	0.170	0.026	0.275	1.21E-10	0.014	0.003	2.01E-07	0.011	41.429	TRUE	3.76E-09
FEV1	TPCN2	cg16709353	rs79481933	A	G	0.464	0.065	0.078	6.77E-13	-0.005	0.005	0.291	0.014	51.583	TRUE	2.04E-12
FEV1	TPCN2	cg17467664	rs3019751	C	T	0.166	0.023	0.494	5.53E-13	0.001	0.002	0.638	0.014	51.978	TRUE	1.14E-12
FEV1	TPCN2	cg17467664	rs3019757	G	A	-0.146	0.025	0.327	3.04E-09	0.000	0.003	0.909	0.009	35.136	TRUE	4.13E-09
FEV1	TPCN2	cg18503234	rs1249368	A	T	0.216	0.026	0.296	3.90E-17	0.014	0.003	3.75E-08	0.019	70.788	TRUE	5.09E-15
FEV1	TPCN2	cg20256574	rs11828017	G	A	-0.156	0.025	0.337	1.85E-10	0.004	0.003	0.102	0.011	40.598	TRUE	6.60E-10
FEV1	TPCN2	cg22484980	rs67321931	A	C	0.175	0.026	0.274	1.67E-11	0.011	0.003	5.11E-05	0.012	45.296	TRUE	3.15E-10
FEV1	TPCN2	cg23247191	rs657157	A	G	-0.141	0.026	0.298	4.08E-08	-0.006	0.003	0.015	0.008	30.093	TRUE	1.75E-07
FEV1	TPCN2	cg26433582	rs1249368	A	T	0.259	0.026	0.296	4.30E-24	0.014	0.003	3.75E-08	0.027	102.449	TRUE	1.99E-21
FEV1	TPCN2	cg26433582	rs55814684	C	T	0.165	0.026	0.295	1.31E-10	0.000	0.003	0.971	0.011	41.271	TRUE	1.79E-10
FEV1	TRAP1	cg02264195	rs11541712	A	G	-0.575	0.047	0.068	4.88E-34	0.005	0.005	0.321	0.038	147.864	TRUE	8.50E-33
FEV1	TRAP1	cg03379706	rs11646287	T	C	-0.141	0.025	0.325	1.99E-08	-0.011	0.003	7.37E-06	0.008	31.486	TRUE	2.58E-07
FEV1	TRAP1	cg03379706	rs2074800	A	G	-0.507	0.059	0.044	4.65E-18	-0.004	0.006	0.435	0.020	74.982	TRUE	1.67E-17
FEV1	TRAP1	cg04439028	rs710891	T	C	-0.169	0.025	0.325	1.69E-11	-0.013	0.003	1.78E-07	0.012	45.278	TRUE	6.18E-10
FEV1	TRAP1	cg06723414	rs11076785	T	G	-0.186	0.025	0.338	6.81E-14	0.006	0.003	0.014	0.015	56.093	TRUE	5.94E-13
FEV1	TRAP1	cg06723414	rs3794702	A	T	-0.508	0.030	0.181	1.72E-64	0.012	0.003	1.08E-04	0.072	287.370	TRUE	1.09E-59
FEV1	TRAP1	cg06723414	rs4786432	C	G	0.149	0.024	0.365	1.10E-09	-0.001	0.002	0.630	0.010	37.123	TRUE	1.90E-09
FEV1	TRAP1	cg06723414	rs7200737	A	G	0.189	0.027	0.262	1.81E-12	-0.016	0.003	1.27E-09	0.013	49.654	TRUE	1.47E-10
FEV1	TRAP1	cg08257088	rs130023	G	A	0.363	0.062	0.028	3.57E-09	-0.003	0.006	0.638	0.009	34.826	TRUE	5.93E-09
FEV1	TRAP1	cg08257088	rs75359759	A	G	0.417	0.046	0.067	1.65E-19	0.006	0.005	0.245	0.022	81.578	TRUE	9.18E-19
FEV1	TRAP1	cg08842287	rs11646280	T	C	-0.457	0.027	0.247	3.38E-66	-0.015	0.003	1.77E-08	0.074	295.200	TRUE	4.69E-60
FEV1	TRAP1	cg08842287	rs11648996	A	G	0.314	0.050	0.109	4.28E-10	0.005	0.004	0.178	0.010	38.961	TRUE	1.27E-09
FEV1	TRAP1	cg08842287	rs12597773	A	G	-0.344	0.061	0.072	1.52E-08	0.004	0.004	0.393	0.009	32.016	TRUE	3.01E-08
FEV1	TRAP1	cg08842287	rs143199884	T	C	0.460	0.081	0.034	1.20E-08	0.008	0.007	0.274	0.009	32.463	TRUE	2.74E-08
FEV1	TRAP1	cg08842287	rs2531996	A	G	0.221	0.028	0.222	6.25E-15	0.005	0.003	0.068	0.016	60.787	TRUE	3.91E-14
FEV1	TRAP1	cg08842287	rs2907272	C	T	-0.176	0.031	0.176	1.79E-08	-0.005	0.003	0.119	0.008	31.697	TRUE	5.17E-08

FEV1	TRAP1	cg08842287	rs56012469	G	A	0.631	0.081	0.040	6.97E-15	0.009	0.006	0.169	0.016	60.574	TRUE	3.10E-14
FEV1	TRAP1	cg08842287	rs59079335	A	T	-0.389	0.058	0.044	2.38E-11	-0.002	0.006	0.686	0.012	44.609	TRUE	4.24E-11
FEV1	TRAP1	cg08842287	rs62031804	G	A	-0.187	0.024	0.450	2.03E-15	0.005	0.002	0.057	0.017	63.002	TRUE	1.38E-14
FEV1	TRAP1	cg08842287	rs7199513	A	G	-0.296	0.032	0.419	2.97E-20	0.006	0.002	0.009	0.022	84.966	TRUE	6.21E-19
FEV1	TRAP1	cg08842287	rs77534894	A	G	-0.323	0.050	0.065	1.37E-10	-0.009	0.005	0.042	0.011	41.177	TRUE	6.36E-10
FEV1	TRAP1	cg08842287	rs79213162	G	C	0.475	0.049	0.062	3.06E-22	0.001	0.005	0.791	0.025	94.010	TRUE	9.35E-22
FEV1	TRAP1	cg08842287	rs8050794	T	C	0.746	0.022	0.312	1.96E-251	0.001	0.003	0.685	0.237	1146.434	TRUE	1.93E-226
FEV1	TRAP1	cg10476962	rs11861770	A	G	-0.211	0.029	0.210	2.45E-13	-0.020	0.003	4.35E-13	0.014	53.575	TRUE	4.91E-11
FEV1	TRAP1	cg10476962	rs12444804	A	C	0.353	0.024	0.353	3.44E-47	0.010	0.002	2.68E-05	0.053	208.060	TRUE	1.87E-43
FEV1	TRAP1	cg10476962	rs2240075	G	A	0.191	0.027	0.276	7.47E-13	0.010	0.003	2.08E-04	0.014	51.388	TRUE	1.37E-11
FEV1	TRAP1	cg10476962	rs4786428	T	C	-0.424	0.048	0.066	1.77E-18	0.006	0.005	0.276	0.020	76.895	TRUE	8.51E-18
FEV1	TRAP1	cg24062157	rs11863204	T	C	0.290	0.043	0.090	8.95E-12	0.001	0.004	0.727	0.012	46.520	TRUE	1.57E-11
FEV1	TRAP1	cg24062157	rs12929402	T	G	0.644	0.024	0.340	3.96E-160	0.010	0.002	4.61E-05	0.164	726.637	TRUE	7.96E-145
FEV1	TRAP1	cg24062157	rs1296720	C	A	0.244	0.030	0.179	1.75E-16	0.006	0.003	0.036	0.018	67.830	TRUE	1.58E-15
FEV1	TRAP1	cg24062157	rs13740	G	A	0.285	0.027	0.276	1.21E-26	0.010	0.003	2.33E-04	0.030	114.086	TRUE	1.56E-24
FEV1	TRAP1	cg24062157	rs144550876	C	A	-0.153	0.028	0.227	4.84E-08	-0.011	0.003	4.59E-05	0.008	29.763	TRUE	4.93E-07
FEV1	TRAP1	cg24062157	rs2008344	A	G	-0.351	0.039	0.105	1.02E-19	-0.004	0.004	0.375	0.022	82.529	TRUE	4.47E-19
FEV1	TRAP1	cg24062157	rs37802	A	G	0.213	0.030	0.203	1.25E-12	0.001	0.003	0.722	0.013	50.372	TRUE	2.30E-12
FEV1	TRAP1	cg24062157	rs7185802	T	C	-0.287	0.028	0.227	8.38E-25	-0.018	0.003	8.84E-11	0.028	105.689	TRUE	1.26E-21
FEV1	TRAP1	cg24062157	rs72760812	T	C	0.585	0.092	0.029	2.50E-10	0.003	0.007	0.690	0.011	40.005	TRUE	4.22E-10
FEV1	TRAPPC2L	cg07364608	rs143200032	T	C	-0.622	0.092	0.020	1.51E-11	0.017	0.007	0.014	0.012	45.493	TRUE	1.03E-10
FEV1	TRAPPC2L	cg13074209	rs34150867	G	C	-0.142	0.026	0.303	2.96E-08	0.005	0.003	0.045	0.008	30.715	TRUE	1.06E-07
FEV1	TRAPPC2L	cg13074209	rs9927176	T	A	-0.862	0.081	0.028	2.53E-26	0.018	0.007	0.012	0.030	112.623	TRUE	9.61E-25
FEV1	TRIM27	cg00259404	rs11752815	G	A	-0.250	0.043	0.080	4.96E-09	-0.006	0.004	0.124	0.009	34.188	TRUE	1.50E-08
FEV1	TRIM27	cg00259404	rs209140	A	G	-0.277	0.026	0.247	8.39E-26	0.010	0.003	1.80E-04	0.029	110.249	TRUE	1.07E-23
FEV1	TRIM27	cg01928896	rs3135321	G	A	0.162	0.023	0.491	3.99E-12	-0.012	0.002	4.29E-07	0.013	48.102	TRUE	1.42E-10
FEV1	TRIM27	cg02465979	rs116042790	T	C	-1.572	0.112	0.011	6.22E-45	0.005	0.011	0.687	0.051	197.721	TRUE	1.58E-43
FEV1	TRIM27	cg02465979	rs140396177	G	A	-0.805	0.090	0.014	4.86E-19	0.004	0.009	0.629	0.021	79.443	TRUE	1.44E-18
FEV1	TRIM27	cg02639080	rs113000237	A	G	-0.553	0.041	0.083	2.25E-41	-0.008	0.004	0.049	0.047	181.428	TRUE	2.90E-39
FEV1	TRIM27	cg02639080	rs114357009	A	G	-0.556	0.052	0.048	6.73E-27	0.002	0.005	0.696	0.030	115.247	TRUE	3.22E-26
FEV1	TRIM27	cg02639080	rs115318295	A	T	-0.686	0.025	0.254	2.53E-164	0.009	0.003	4.64E-04	0.168	745.915	TRUE	4.42E-149
FEV1	TRIM27	cg02639080	rs1233387	T	C	-0.225	0.027	0.230	3.06E-16	0.011	0.003	7.64E-05	0.018	66.729	TRUE	1.08E-14
FEV1	TRIM27	cg02639080	rs16894128	G	A	0.223	0.035	0.131	1.78E-10	0.004	0.004	0.240	0.011	40.673	TRUE	4.86E-10
FEV1	TRIM27	cg02639080	rs2859379	T	C	-0.444	0.068	0.027	6.26E-11	-0.014	0.006	0.027	0.011	42.715	TRUE	3.39E-10
FEV1	TRIM27	cg02639080	rs3129791	A	G	0.401	0.037	0.115	9.13E-28	-0.045	0.004	3.09E-35	0.031	119.208	TRUE	5.55E-22
FEV1	TRIM27	cg02639080	rs35604709	A	G	-0.528	0.048	0.062	1.22E-28	0.024	0.005	1.18E-06	0.032	123.205	TRUE	6.83E-26
FEV1	TRIM27	cg02639080	rs4084097	C	T	-0.261	0.046	0.068	1.98E-08	0.016	0.005	0.001	0.008	31.493	TRUE	1.40E-07
FEV1	TRIM27	cg02639080	rs41316606	T	A	-0.450	0.070	0.031	1.45E-10	0.018	0.006	0.006	0.011	41.078	TRUE	1.04E-09
FEV1	TRIM27	cg02639080	rs7750106	A	C	-0.362	0.055	0.046	6.99E-11	0.008	0.006	0.147	0.011	42.498	TRUE	2.34E-10
FEV1	TRIM27	cg03246690	rs115493717	A	G	-0.535	0.096	0.016	2.30E-08	-0.011	0.010	0.279	0.008	31.205	TRUE	5.08E-08
FEV1	TRIM27	cg03270340	rs1233387	T	C	0.152	0.028	0.230	3.28E-08	0.011	0.003	7.64E-05	0.008	30.519	TRUE	3.14E-07
FEV1	TRIM27	cg03270340	rs2531805	C	T	0.228	0.023	0.486	1.78E-22	0.011	0.002	4.23E-06	0.025	95.085	TRUE	3.12E-20

FEV1	TRIM27	cg03270340	rs3094574	A	G	0.193	0.024	0.437	4.42E-16	0.011	0.002	3.36E-06	0.018	66.003	TRUE	2.55E-14
FEV1	TRIM27	cg03270340	rs3129791	A	G	-1.059	0.035	0.115	2.87E-204	-0.045	0.004	3.09E-35	0.201	929.556	TRUE	7.53E-173
FEV1	TRIM27	cg03270340	rs9257572	T	G	-0.279	0.024	0.426	1.91E-32	-0.014	0.002	3.12E-09	0.037	140.579	TRUE	5.79E-29
FEV1	TRIM27	cg04835383	rs115318295	A	T	-0.200	0.026	0.254	1.19E-14	0.009	0.003	4.64E-04	0.016	59.519	TRUE	2.49E-13
FEV1	TRIM27	cg05216056	rs115451991	A	C	-0.829	0.110	0.013	4.66E-14	-0.004	0.012	0.759	0.015	56.838	TRUE	9.01E-14
FEV1	TRIM27	cg05216056	rs115537782	A	G	-0.841	0.101	0.013	6.18E-17	0.011	0.009	0.216	0.019	69.880	TRUE	2.96E-16
FEV1	TRIM27	cg05216056	rs172164	G	A	-0.401	0.055	0.042	2.90E-13	0.002	0.005	0.753	0.014	53.244	TRUE	5.37E-13
FEV1	TRIM27	cg05216056	rs202145819	G	A	-0.523	0.094	0.018	2.41E-08	0.032	0.011	0.003	0.008	31.115	TRUE	1.43E-07
FEV1	TRIM27	cg05216056	rs209140	A	G	-0.927	0.023	0.247	<1E-200	0.010	0.003	1.80E-04	0.310	1663.720	TRUE	<1E-200
FEV1	TRIM27	cg05216056	rs213231	T	G	-0.530	0.052	0.051	5.96E-24	0.014	0.005	0.006	0.027	101.806	TRUE	2.13E-22
FEV1	TRIM27	cg05216056	rs2253518	G	A	0.253	0.032	0.157	4.41E-15	0.003	0.003	0.384	0.016	61.476	TRUE	1.38E-14
FEV1	TRIM27	cg05216056	rs2859379	T	C	-0.552	0.068	0.027	4.43E-16	-0.014	0.006	0.027	0.018	66.000	TRUE	4.18E-15
FEV1	TRIM27	cg05216056	rs35604709	A	G	-0.588	0.047	0.062	3.17E-35	0.024	0.005	1.18E-06	0.040	153.296	TRUE	5.29E-32
FEV1	TRIM27	cg05216056	rs36050447	T	C	-0.615	0.076	0.025	8.66E-16	0.018	0.007	0.007	0.017	64.678	TRUE	1.14E-14
FEV1	TRIM27	cg05216056	rs388017	T	C	0.375	0.063	0.035	2.52E-09	0.020	0.006	0.001	0.010	35.503	TRUE	1.99E-08
FEV1	TRIM27	cg05216056	rs4947263	T	C	0.490	0.036	0.118	1.15E-41	-0.045	0.004	9.68E-36	0.047	182.771	TRUE	5.86E-34
FEV1	TRIM27	cg05216056	rs55740552	G	T	-0.613	0.048	0.060	1.46E-37	0.001	0.005	0.806	0.042	163.981	TRUE	1.47E-36
FEV1	TRIM27	cg05216056	rs6933976	A	G	-0.354	0.028	0.223	6.02E-37	0.006	0.003	0.041	0.042	161.169	TRUE	4.84E-35
FEV1	TRIM27	cg05216056	rs73396583	C	T	-0.651	0.038	0.097	8.91E-67	-0.006	0.004	0.113	0.075	297.856	TRUE	2.31E-63
FEV1	TRIM27	cg05216056	rs75524239	C	T	-0.277	0.038	0.104	5.68E-13	0.011	0.004	0.006	0.014	51.926	TRUE	5.43E-12
FEV1	TRIM27	cg05314350	rs115318295	A	T	-0.343	0.026	0.254	5.56E-40	0.009	0.003	4.64E-04	0.045	175.052	TRUE	4.14E-37
FEV1	TRIM27	cg05314350	rs1535039	C	T	0.212	0.036	0.118	5.32E-09	-0.043	0.004	5.77E-33	0.009	34.049	TRUE	3.36E-06
FEV1	TRIM27	cg05314350	rs2859358	A	T	-0.230	0.032	0.163	3.49E-13	0.013	0.003	2.20E-05	0.014	52.884	TRUE	9.76E-12
FEV1	TRIM27	cg07162905	rs1029328	C	T	0.194	0.034	0.135	1.46E-08	0.004	0.004	0.218	0.009	32.094	TRUE	3.53E-08
FEV1	TRIM27	cg07162905	rs115318295	A	T	-0.624	0.025	0.254	4.10E-134	0.009	0.003	4.64E-04	0.141	607.080	TRUE	1.03E-122
FEV1	TRIM27	cg07162905	rs117929666	C	G	-0.465	0.080	0.022	6.19E-09	0.005	0.008	0.546	0.009	33.757	TRUE	1.09E-08
FEV1	TRIM27	cg07162905	rs1233388	G	A	-0.209	0.030	0.183	1.85E-12	0.012	0.003	1.14E-04	0.013	49.613	TRUE	3.48E-11
FEV1	TRIM27	cg07162905	rs209139	A	C	-0.490	0.049	0.057	6.37E-24	0.003	0.005	0.587	0.027	101.672	TRUE	2.85E-23
FEV1	TRIM27	cg07162905	rs213232	G	A	-0.144	0.024	0.381	2.52E-09	-0.018	0.002	2.04E-14	0.010	35.503	TRUE	2.05E-07
FEV1	TRIM27	cg07162905	rs2253518	G	A	0.212	0.032	0.157	4.48E-11	0.003	0.003	0.384	0.012	43.367	TRUE	1.06E-10
FEV1	TRIM27	cg07162905	rs2859379	T	C	-0.449	0.068	0.027	3.64E-11	-0.014	0.006	0.027	0.012	43.773	TRUE	2.02E-10
FEV1	TRIM27	cg07162905	rs35604709	A	G	-0.357	0.048	0.062	6.76E-14	0.024	0.005	1.18E-06	0.015	56.108	TRUE	3.13E-12
FEV1	TRIM27	cg07162905	rs41316606	T	A	-0.589	0.070	0.031	3.43E-17	0.018	0.006	0.006	0.019	71.040	TRUE	5.61E-16
FEV1	TRIM27	cg07162905	rs79130209	A	G	-0.471	0.066	0.030	1.16E-12	-0.012	0.006	0.066	0.013	50.532	TRUE	5.92E-12
FEV1	TRIM27	cg08125020	rs115318295	A	T	-0.518	0.026	0.254	2.03E-91	0.009	0.003	4.64E-04	0.100	410.960	TRUE	1.57E-84
FEV1	TRIM27	cg08125020	rs117929666	C	G	-0.572	0.080	0.022	6.33E-13	0.005	0.008	0.546	0.014	51.714	TRUE	1.41E-12
FEV1	TRIM27	cg08125020	rs2859379	T	C	-0.371	0.068	0.027	3.94E-08	-0.014	0.006	0.027	0.008	30.163	TRUE	1.55E-07
FEV1	TRIM27	cg08125020	rs35604709	A	G	-0.333	0.048	0.062	2.59E-12	0.024	0.005	1.18E-06	0.013	48.947	TRUE	8.98E-11
FEV1	TRIM27	cg08125020	rs388017	T	C	0.350	0.062	0.035	2.02E-08	0.020	0.006	0.001	0.008	31.455	TRUE	1.40E-07
FEV1	TRIM27	cg08125020	rs55740552	G	T	-0.289	0.048	0.060	1.80E-09	0.001	0.005	0.806	0.010	36.161	TRUE	2.67E-09
FEV1	TRIM27	cg08125020	rs67998226	C	T	0.243	0.037	0.113	3.03E-11	-0.046	0.004	4.43E-36	0.012	44.133	TRUE	7.17E-08
FEV1	TRIM27	cg08125020	rs6933976	A	G	-0.197	0.028	0.223	1.73E-12	0.006	0.003	0.041	0.013	49.746	TRUE	9.81E-12

FEV1	TRIM27	cg08125020	rs7742858	T	C	-0.375	0.041	0.083	1.06E-19	-0.007	0.004	0.068	0.022	82.449	TRUE	1.08E-18
FEV1	TRIM27	cg09292581	rs3129793	A	G	-0.127	0.023	0.490	3.68E-08	-0.012	0.002	9.87E-07	0.008	30.297	TRUE	5.49E-07
FEV1	TRIM27	cg09409585	rs113000237	A	G	-0.365	0.041	0.083	9.36E-19	-0.008	0.004	0.049	0.021	78.147	TRUE	9.60E-18
FEV1	TRIM27	cg09409585	rs114357009	A	G	-0.328	0.052	0.048	3.02E-10	0.002	0.005	0.696	0.011	39.640	TRUE	5.04E-10
FEV1	TRIM27	cg09409585	rs2253518	G	A	0.212	0.032	0.157	4.70E-11	0.003	0.003	0.384	0.012	43.276	TRUE	1.11E-10
FEV1	TRIM27	cg09409585	rs35403242	A	G	-0.348	0.048	0.063	2.57E-13	0.024	0.005	1.37E-06	0.014	53.482	TRUE	1.04E-11
FEV1	TRIM27	cg09409585	rs41316606	T	A	-0.383	0.070	0.031	4.67E-08	0.018	0.006	0.006	0.008	29.832	TRUE	2.42E-07
FEV1	TRIM27	cg09409585	rs6904975	A	G	-0.421	0.024	0.364	4.81E-71	0.007	0.002	0.003	0.079	317.434	TRUE	2.43E-66
FEV1	TRIM27	cg09444060	rs115318295	A	T	-0.275	0.026	0.254	8.89E-27	0.009	0.003	4.64E-04	0.030	114.696	TRUE	1.00E-24
FEV1	TRIM27	cg09855662	rs13437444	T	C	-0.199	0.029	0.213	7.23E-12	-0.028	0.003	6.21E-23	0.013	46.939	TRUE	4.89E-09
FEV1	TRIM27	cg09855662	rs3128871	C	T	0.158	0.027	0.257	5.26E-09	0.009	0.003	7.41E-04	0.009	34.073	TRUE	4.38E-08
FEV1	TRIM27	cg09855662	rs35560946	T	C	-0.306	0.025	0.303	1.64E-33	-0.022	0.003	8.74E-19	0.038	145.460	TRUE	1.50E-28
FEV1	TRIM27	cg09855662	rs6904975	A	G	-0.163	0.024	0.364	1.42E-11	0.007	0.002	0.003	0.012	45.620	TRUE	1.31E-10
FEV1	TRIM27	cg10401017	rs1029328	C	T	0.262	0.034	0.135	2.01E-14	0.004	0.004	0.218	0.016	58.494	TRUE	7.75E-14
FEV1	TRIM27	cg10401017	rs115451991	A	C	-0.928	0.110	0.013	2.84E-17	-0.004	0.012	0.759	0.019	71.411	TRUE	6.60E-17
FEV1	TRIM27	cg10401017	rs115537782	A	G	-0.876	0.101	0.013	3.03E-18	0.011	0.009	0.216	0.020	75.827	TRUE	1.62E-17
FEV1	TRIM27	cg10401017	rs202145819	G	A	-0.555	0.094	0.018	3.11E-09	0.032	0.011	0.003	0.009	35.093	TRUE	2.09E-08
FEV1	TRIM27	cg10401017	rs209140	A	G	-1.063	0.020	0.247	<1E-200	0.010	0.003	1.80E-04	0.434	2835.038	TRUE	<1E-200
FEV1	TRIM27	cg10401017	rs213231	T	G	-0.656	0.052	0.051	4.91E-36	0.014	0.005	0.006	0.041	156.997	TRUE	8.00E-34
FEV1	TRIM27	cg10401017	rs2253518	G	A	0.291	0.032	0.157	1.46E-19	0.003	0.003	0.384	0.022	81.813	TRUE	6.35E-19
FEV1	TRIM27	cg10401017	rs2859379	T	C	-0.658	0.068	0.027	2.63E-22	-0.014	0.006	0.027	0.025	94.307	TRUE	4.85E-21
FEV1	TRIM27	cg10401017	rs3135316	G	A	0.493	0.037	0.116	1.97E-41	-0.045	0.004	8.01E-34	0.047	181.696	TRUE	5.41E-34
FEV1	TRIM27	cg10401017	rs35604709	A	G	-0.721	0.047	0.062	1.07E-52	0.024	0.005	1.18E-06	0.059	233.297	TRUE	3.67E-48
FEV1	TRIM27	cg10401017	rs36050447	T	C	-0.669	0.076	0.025	1.79E-18	0.018	0.007	0.007	0.020	76.863	TRUE	3.25E-17
FEV1	TRIM27	cg10401017	rs388017	T	C	0.424	0.063	0.035	1.48E-11	0.020	0.006	0.001	0.012	45.530	TRUE	1.62E-10
FEV1	TRIM27	cg10401017	rs55740552	G	T	-0.663	0.048	0.060	8.20E-44	0.001	0.005	0.806	0.049	192.593	TRUE	1.52E-42
FEV1	TRIM27	cg10401017	rs62401446	A	G	-0.581	0.092	0.019	3.13E-10	0.029	0.008	6.24E-04	0.011	39.573	TRUE	3.16E-09
FEV1	TRIM27	cg10401017	rs6933976	A	G	-0.397	0.028	0.223	2.78E-46	0.006	0.003	0.041	0.052	203.906	TRUE	7.30E-44
FEV1	TRIM27	cg10401017	rs72846802	G	A	0.306	0.053	0.058	9.83E-09	0.009	0.005	0.061	0.009	32.858	TRUE	3.45E-08
FEV1	TRIM27	cg10401017	rs73396583	C	T	-0.759	0.037	0.097	2.73E-91	-0.006	0.004	0.113	0.100	410.368	TRUE	5.20E-86
FEV1	TRIM27	cg10401017	rs75524239	C	T	-0.320	0.038	0.104	7.96E-17	0.011	0.004	0.006	0.018	69.382	TRUE	1.21E-15
FEV1	TRIM27	cg10401017	rs77074408	A	T	0.616	0.112	0.011	3.75E-08	-0.013	0.013	0.290	0.008	30.256	TRUE	8.05E-08
FEV1	TRIM27	cg10401017	rs9348782	A	G	-0.438	0.051	0.050	1.54E-17	0.005	0.005	0.368	0.019	72.622	TRUE	5.86E-17
FEV1	TRIM27	cg10718056	rs115318295	A	T	-0.279	0.026	0.254	2.50E-27	0.009	0.003	4.64E-04	0.031	117.209	TRUE	3.04E-25
FEV1	TRIM27	cg10718056	rs16893552	A	G	-0.256	0.042	0.079	1.41E-09	-0.007	0.004	0.118	0.010	36.638	TRUE	4.55E-09
FEV1	TRIM27	cg10718056	rs35604709	A	G	-0.293	0.047	0.062	5.09E-10	0.024	0.005	1.18E-06	0.010	38.623	TRUE	1.13E-08
FEV1	TRIM27	cg10718056	rs6933976	A	G	-0.172	0.028	0.223	5.45E-10	0.006	0.003	0.041	0.010	38.489	TRUE	2.38E-09
FEV1	TRIM27	cg11073024	rs1029328	C	T	-0.297	0.034	0.135	3.36E-18	0.004	0.004	0.218	0.020	75.627	TRUE	1.76E-17
FEV1	TRIM27	cg11073024	rs115486666	A	C	-0.516	0.076	0.027	1.06E-11	-0.001	0.007	0.947	0.012	46.188	TRUE	1.55E-11
FEV1	TRIM27	cg11073024	rs115651187	G	C	-0.392	0.044	0.085	4.03E-19	0.014	0.005	0.002	0.021	79.809	TRUE	1.15E-17
FEV1	TRIM27	cg11073024	rs117929666	C	G	0.461	0.080	0.022	8.55E-09	0.005	0.008	0.546	0.009	33.129	TRUE	1.49E-08
FEV1	TRIM27	cg11073024	rs149952	T	C	0.331	0.051	0.047	1.27E-10	0.001	0.005	0.901	0.011	41.325	TRUE	1.83E-10

FEV1	TRIM27	cg11073024	rs1794587	C	A	0.730	0.022	0.491	4.15E-246	-0.011	0.002	1.33E-06	0.233	1121.943	TRUE	2.53E-216
FEV1	TRIM27	cg11073024	rs2071966	G	T	0.363	0.041	0.086	8.98E-19	0.018	0.004	2.26E-05	0.021	78.229	TRUE	6.08E-17
FEV1	TRIM27	cg11073024	rs2074466	A	C	0.273	0.033	0.147	1.01E-16	0.007	0.003	0.038	0.018	68.918	TRUE	9.21E-16
FEV1	TRIM27	cg11073024	rs2232428	T	C	0.464	0.036	0.105	5.19E-37	-0.007	0.004	0.053	0.042	161.464	TRUE	3.65E-35
FEV1	TRIM27	cg11073024	rs2253518	G	A	-0.275	0.032	0.157	1.14E-17	0.003	0.003	0.384	0.019	73.208	TRUE	4.31E-17
FEV1	TRIM27	cg11073024	rs2523422	A	G	-0.254	0.027	0.252	9.96E-21	0.007	0.003	0.011	0.023	87.123	TRUE	2.08E-19
FEV1	TRIM27	cg11073024	rs66487884	G	C	0.264	0.040	0.101	4.89E-11	0.009	0.004	0.018	0.012	43.197	TRUE	2.92E-10
FEV1	TRIM27	cg11073024	rs6920512	G	A	-0.286	0.045	0.070	1.41E-10	0.002	0.004	0.603	0.011	41.128	TRUE	2.58E-10
FEV1	TRIM27	cg11073024	rs72831442	G	A	0.259	0.044	0.072	5.31E-09	0.018	0.005	1.49E-04	0.009	34.053	TRUE	5.57E-08
FEV1	TRIM27	cg11073024	rs9257331	A	G	0.399	0.037	0.114	2.57E-27	-0.045	0.004	4.16E-34	0.031	117.154	TRUE	1.17E-21
FEV1	TRIM27	cg11073024	rs9257448	G	A	0.381	0.047	0.068	5.19E-16	0.015	0.005	0.001	0.017	65.689	TRUE	1.09E-14
FEV1	TRIM27	cg11886965	rs1029328	C	T	0.193	0.034	0.135	1.76E-08	0.004	0.004	0.218	0.009	31.729	TRUE	4.24E-08
FEV1	TRIM27	cg11886965	rs114289137	A	C	-0.432	0.066	0.030	6.73E-11	-0.012	0.006	0.047	0.011	42.573	TRUE	3.17E-10
FEV1	TRIM27	cg11886965	rs115318295	A	T	-0.651	0.025	0.254	1.67E-146	0.009	0.003	4.64E-04	0.152	664.019	TRUE	1.36E-133
FEV1	TRIM27	cg11886965	rs116042790	T	C	0.851	0.113	0.011	5.86E-14	0.005	0.011	0.687	0.015	56.386	TRUE	1.21E-13
FEV1	TRIM27	cg11886965	rs117929666	C	G	-0.511	0.080	0.022	1.75E-10	0.005	0.008	0.546	0.011	40.704	TRUE	3.37E-10
FEV1	TRIM27	cg11886965	rs209139	A	C	-0.506	0.049	0.057	2.57E-25	0.003	0.005	0.587	0.028	108.030	TRUE	1.28E-24
FEV1	TRIM27	cg11886965	rs2253518	G	A	0.238	0.032	0.157	1.71E-13	0.003	0.003	0.384	0.014	54.278	TRUE	4.80E-13
FEV1	TRIM27	cg11886965	rs2859379	T	C	-0.388	0.068	0.027	1.17E-08	-0.014	0.006	0.027	0.009	32.523	TRUE	4.89E-08
FEV1	TRIM27	cg11886965	rs56299902	G	A	-0.551	0.061	0.035	2.96E-19	0.026	0.007	1.03E-04	0.021	80.420	TRUE	1.55E-17
FEV1	TRIM27	cg11886965	rs731132	G	T	0.156	0.025	0.392	1.85E-10	0.012	0.002	2.43E-07	0.011	40.594	TRUE	5.37E-09
FEV1	TRIM27	cg11886965	rs9283885	A	G	-0.210	0.028	0.213	1.38E-13	0.004	0.003	0.213	0.015	54.709	TRUE	5.05E-13
FEV1	TRIM27	cg12896170	rs1029328	C	T	0.215	0.034	0.135	3.67E-10	0.004	0.004	0.218	0.011	39.259	TRUE	1.01E-09
FEV1	TRIM27	cg12896170	rs114124258	T	C	-0.511	0.065	0.031	2.97E-15	-0.013	0.006	0.036	0.017	62.250	TRUE	2.35E-14
FEV1	TRIM27	cg12896170	rs115318295	A	T	-0.670	0.025	0.254	1.59E-156	0.009	0.003	4.64E-04	0.161	710.076	TRUE	2.52E-142
FEV1	TRIM27	cg12896170	rs1233387	T	C	-0.230	0.027	0.230	6.62E-17	0.011	0.003	7.64E-05	0.019	69.747	TRUE	2.57E-15
FEV1	TRIM27	cg12896170	rs209139	A	C	-0.509	0.049	0.057	1.46E-25	0.003	0.005	0.587	0.029	109.145	TRUE	7.43E-25
FEV1	TRIM27	cg12896170	rs2253518	G	A	0.219	0.032	0.157	1.12E-11	0.003	0.003	0.384	0.012	46.086	TRUE	2.76E-11
FEV1	TRIM27	cg12896170	rs3135316	G	A	0.261	0.037	0.116	1.63E-12	-0.045	0.004	8.01E-34	0.013	49.858	TRUE	4.67E-09
FEV1	TRIM27	cg12896170	rs35604709	A	G	-0.488	0.048	0.062	1.14E-24	0.024	0.005	1.18E-06	0.028	105.077	TRUE	3.33E-22
FEV1	TRIM27	cg12896170	rs41316606	T	A	-0.486	0.070	0.031	4.02E-12	0.018	0.006	0.006	0.013	48.091	TRUE	3.53E-11
FEV1	TRIM27	cg12896170	rs76683848	C	G	0.612	0.109	0.011	1.94E-08	-0.016	0.012	0.178	0.008	31.539	TRUE	4.96E-08
FEV1	TRIM27	cg12896170	rs77983937	G	A	-0.473	0.066	0.031	1.13E-12	0.013	0.007	0.056	0.013	50.571	TRUE	6.03E-12
FEV1	TRIM27	cg13060704	rs6904975	A	G	-0.221	0.024	0.364	4.72E-20	0.007	0.002	0.003	0.022	84.046	TRUE	1.28E-18
FEV1	TRIM27	cg14059339	rs55740552	G	T	-0.282	0.048	0.060	3.30E-09	0.001	0.005	0.806	0.009	34.977	TRUE	4.84E-09
FEV1	TRIM27	cg15613012	rs113000237	A	G	-0.257	0.041	0.083	5.49E-10	-0.008	0.004	0.049	0.010	38.475	TRUE	2.32E-09
FEV1	TRIM27	cg15613012	rs114357009	A	G	-0.288	0.052	0.048	3.13E-08	0.002	0.005	0.696	0.008	30.608	TRUE	4.72E-08
FEV1	TRIM27	cg15613012	rs115318295	A	T	-0.399	0.026	0.254	1.83E-53	0.009	0.003	4.64E-04	0.060	236.811	TRUE	1.11E-49
FEV1	TRIM27	cg15613012	rs35604709	A	G	-0.384	0.048	0.062	6.46E-16	0.024	0.005	1.18E-06	0.017	65.257	TRUE	4.29E-14
FEV1	TRIM27	cg16061301	rs113000237	A	G	-0.367	0.041	0.083	6.40E-19	-0.008	0.004	0.049	0.021	78.898	TRUE	6.67E-18
FEV1	TRIM27	cg16061301	rs114357009	A	G	-0.450	0.052	0.048	4.43E-18	0.002	0.005	0.696	0.020	75.081	TRUE	1.15E-17
FEV1	TRIM27	cg16061301	rs115318295	A	T	-0.736	0.023	0.254	5.57E-233	0.009	0.003	4.64E-04	0.223	1061.573	TRUE	4.21E-207

FEV1	TRIM27	cg16061301	rs117929666	C	G	-0.562	0.080	0.022	2.24E-12	0.005	0.008	0.546	0.013	49.239	TRUE	4.82E-12
FEV1	TRIM27	cg16061301	rs1233387	T	C	-0.161	0.028	0.230	4.84E-09	0.011	0.003	7.64E-05	0.009	34.236	TRUE	5.37E-08
FEV1	TRIM27	cg16061301	rs13437444	T	C	0.282	0.029	0.213	2.04E-22	-0.028	0.003	6.21E-23	0.025	94.815	TRUE	3.41E-18
FEV1	TRIM27	cg16061301	rs35604709	A	G	-0.410	0.048	0.062	6.92E-18	0.024	0.005	1.18E-06	0.020	74.200	TRUE	6.48E-16
FEV1	TRIM27	cg16061301	rs41316606	T	A	-0.558	0.070	0.031	1.47E-15	0.018	0.006	0.006	0.017	63.640	TRUE	1.97E-14
FEV1	TRIM27	cg16061301	rs6936343	T	C	0.243	0.042	0.092	5.29E-09	0.000	0.004	0.977	0.009	34.061	TRUE	6.74E-09
FEV1	TRIM27	cg16754082	rs13437444	T	C	0.207	0.029	0.213	1.16E-12	-0.028	0.003	6.21E-23	0.013	50.523	TRUE	1.03E-09
FEV1	TRIM27	cg16754082	rs209140	A	G	-0.505	0.026	0.247	3.04E-84	0.010	0.003	1.80E-04	0.093	378.012	TRUE	8.52E-78
FEV1	TRIM27	cg16754082	rs41316606	T	A	-0.476	0.070	0.031	1.03E-11	0.018	0.006	0.006	0.012	46.254	TRUE	8.57E-11
FEV1	TRIM27	cg16754082	rs55740552	G	T	-0.263	0.048	0.060	4.96E-08	0.001	0.005	0.806	0.008	29.715	TRUE	6.90E-08
FEV1	TRIM27	cg16754082	rs56299902	G	A	-0.481	0.061	0.035	5.54E-15	0.026	0.007	1.03E-04	0.016	61.027	TRUE	1.54E-13
FEV1	TRIM27	cg16754082	rs73396583	C	T	-0.253	0.038	0.097	4.39E-11	-0.006	0.004	0.113	0.012	43.409	TRUE	1.62E-10
FEV1	TRIM27	cg17666981	rs115196926	T	C	0.485	0.043	0.082	6.79E-29	0.002	0.004	0.684	0.033	124.362	TRUE	3.82E-28
FEV1	TRIM27	cg17666981	rs115486666	A	C	0.494	0.076	0.027	8.24E-11	-0.001	0.007	0.947	0.011	42.178	TRUE	1.16E-10
FEV1	TRIM27	cg17666981	rs115651187	G	C	0.433	0.044	0.085	6.50E-23	0.014	0.005	0.002	0.026	97.074	TRUE	3.03E-21
FEV1	TRIM27	cg17666981	rs117929666	C	G	-0.995	0.080	0.022	6.86E-36	0.005	0.008	0.546	0.041	156.334	TRUE	8.99E-35
FEV1	TRIM27	cg17666981	rs12199114	C	G	0.472	0.060	0.037	4.80E-15	0.022	0.006	3.41E-04	0.016	61.307	TRUE	1.10E-13
FEV1	TRIM27	cg17666981	rs149957	T	G	-0.579	0.045	0.062	7.28E-38	0.002	0.004	0.580	0.043	165.366	TRUE	1.09E-36
FEV1	TRIM27	cg17666981	rs16894128	G	A	0.460	0.035	0.131	3.48E-40	0.004	0.004	0.240	0.045	175.982	TRUE	1.42E-38
FEV1	TRIM27	cg17666981	rs184654684	G	A	0.432	0.079	0.025	4.06E-08	-0.006	0.008	0.422	0.008	30.105	TRUE	7.62E-08
FEV1	TRIM27	cg17666981	rs3117193	T	C	0.279	0.024	0.394	1.33E-30	0.009	0.002	9.64E-05	0.034	132.167	TRUE	3.81E-28
FEV1	TRIM27	cg17666981	rs3135316	G	A	-0.731	0.036	0.116	1.59E-91	-0.045	0.004	8.01E-34	0.100	411.449	TRUE	7.45E-78
FEV1	TRIM27	cg17666981	rs362521	T	C	-0.436	0.047	0.063	8.56E-21	0.005	0.005	0.281	0.023	87.422	TRUE	4.90E-20
FEV1	TRIM27	cg17666981	rs56295386	T	C	-0.615	0.036	0.105	5.76E-65	-0.007	0.004	0.042	0.073	289.550	TRUE	2.30E-61
FEV1	TRIM27	cg17666981	rs62402370	C	G	-0.629	0.041	0.086	1.82E-53	0.018	0.004	2.06E-05	0.060	236.816	TRUE	3.24E-49
FEV1	TRIM27	cg17666981	rs731132	G	T	0.242	0.024	0.392	4.62E-23	0.012	0.002	2.43E-07	0.026	97.752	TRUE	1.37E-20
FEV1	TRIM27	cg17666981	rs7765791	C	T	-0.514	0.080	0.022	1.32E-10	0.011	0.008	0.176	0.011	41.254	TRUE	4.08E-10
FEV1	TRIM27	cg17666981	rs9257460	A	G	-0.663	0.051	0.054	4.79E-38	0.019	0.005	6.86E-05	0.043	166.197	TRUE	4.32E-35
FEV1	TRIM27	cg17666981	rs9348792	T	C	0.362	0.062	0.039	6.73E-09	-0.015	0.006	0.015	0.009	33.594	TRUE	3.27E-08
FEV1	TRIM27	cg18844029	rs114383434	C	T	-0.693	0.059	0.037	7.92E-32	-0.011	0.006	0.055	0.036	137.761	TRUE	3.05E-30
FEV1	TRIM27	cg18844029	rs114799031	T	A	-0.575	0.083	0.022	5.46E-12	0.019	0.008	0.020	0.013	47.489	TRUE	3.52E-11
FEV1	TRIM27	cg18844029	rs115537782	A	G	-0.959	0.100	0.013	1.38E-21	0.011	0.009	0.216	0.024	91.027	TRUE	9.80E-21
FEV1	TRIM27	cg18844029	rs115651187	G	C	0.320	0.044	0.085	3.38E-13	0.014	0.005	0.002	0.014	52.948	TRUE	4.42E-12
FEV1	TRIM27	cg18844029	rs117929666	C	G	-0.940	0.080	0.022	3.15E-32	0.005	0.008	0.546	0.036	139.590	TRUE	2.95E-31
FEV1	TRIM27	cg18844029	rs13437444	T	C	0.364	0.029	0.213	3.26E-36	-0.028	0.003	6.21E-23	0.041	157.809	TRUE	2.04E-30
FEV1	TRIM27	cg18844029	rs149356531	G	C	-0.361	0.058	0.045	5.21E-10	0.008	0.006	0.215	0.010	38.574	TRUE	1.43E-09
FEV1	TRIM27	cg18844029	rs16894128	G	A	0.380	0.035	0.131	8.99E-28	0.004	0.004	0.240	0.031	119.239	TRUE	1.04E-26
FEV1	TRIM27	cg18844029	rs209139	A	C	-0.916	0.048	0.057	1.01E-81	0.003	0.005	0.587	0.090	366.441	TRUE	5.10E-78
FEV1	TRIM27	cg18844029	rs209142	C	G	-0.812	0.021	0.388	<1E-200	-0.012	0.002	1.49E-06	0.295	1547.262	TRUE	1.05E-289
FEV1	TRIM27	cg18844029	rs2523441	T	A	0.168	0.027	0.252	9.20E-10	0.007	0.003	0.012	0.010	37.467	TRUE	5.19E-09
FEV1	TRIM27	cg18844029	rs2859379	T	C	-0.739	0.068	0.027	9.22E-28	-0.014	0.006	0.027	0.031	119.189	TRUE	3.11E-26
FEV1	TRIM27	cg18844029	rs36050447	T	C	-0.733	0.076	0.025	6.65E-22	0.018	0.007	0.007	0.024	92.475	TRUE	1.81E-20

FEV1	TRIM27	cg18844029	rs388017	T	C	0.376	0.063	0.035	2.32E-09	0.020	0.006	0.001	0.010	35.667	TRUE	1.84E-08
FEV1	TRIM27	cg18844029	rs62401446	A	G	-0.552	0.092	0.019	2.26E-09	0.029	0.008	6.24E-04	0.010	35.713	TRUE	2.01E-08
FEV1	TRIM27	cg18844029	rs62402370	C	G	-0.817	0.040	0.086	3.97E-91	0.018	0.004	2.06E-05	0.100	409.621	TRUE	1.18E-83
FEV1	TRIM27	cg18844029	rs6933825	G	A	-0.792	0.034	0.115	1.38E-117	-0.005	0.004	0.180	0.126	531.149	TRUE	4.32E-110
FEV1	TRIM27	cg18844029	rs72831442	G	A	-0.644	0.044	0.072	5.57E-49	0.018	0.005	1.49E-04	0.055	216.263	TRUE	2.46E-45
FEV1	TRIM27	cg18844029	rs72849209	T	A	0.602	0.110	0.013	4.04E-08	0.019	0.012	0.096	0.008	30.114	TRUE	1.19E-07
FEV1	TRIM27	cg18844029	rs9283885	A	G	-0.431	0.028	0.213	1.85E-53	0.004	0.003	0.213	0.060	236.791	TRUE	4.21E-51
FEV1	TRIM27	cg18844029	rs9348782	A	G	-0.518	0.051	0.050	5.91E-24	0.005	0.005	0.368	0.027	101.820	TRUE	3.72E-23
FEV1	TRIM27	cg18954047	rs115318295	A	T	-0.373	0.026	0.254	3.70E-48	0.009	0.003	4.64E-04	0.054	212.496	TRUE	9.61E-45
FEV1	TRIM27	cg18954047	rs62401458	A	G	-0.348	0.063	0.033	3.15E-08	0.022	0.007	9.64E-04	0.008	30.599	TRUE	2.19E-07
FEV1	TRIM27	cg18954047	rs79130209	A	G	-0.374	0.066	0.030	1.31E-08	-0.012	0.006	0.066	0.009	32.306	TRUE	4.47E-08
FEV1	TRIM27	cg18954047	rs79157584	A	G	-0.363	0.054	0.048	1.45E-11	0.016	0.005	0.002	0.012	45.570	TRUE	1.38E-10
FEV1	TRIM27	cg19400926	rs115318295	A	T	-0.454	0.026	0.254	3.09E-69	0.009	0.003	4.64E-04	0.077	309.138	TRUE	2.91E-64
FEV1	TRIM27	cg19400926	rs1233387	T	C	-0.158	0.028	0.230	1.02E-08	0.011	0.003	7.64E-05	0.009	32.786	TRUE	1.07E-07
FEV1	TRIM27	cg19400926	rs209139	A	C	-0.296	0.049	0.057	1.48E-09	0.003	0.005	0.587	0.010	36.543	TRUE	2.62E-09
FEV1	TRIM27	cg19400926	rs2859356	T	C	-0.265	0.032	0.162	6.42E-17	0.013	0.003	2.24E-05	0.019	69.806	TRUE	3.30E-15
FEV1	TRIM27	cg19400926	rs3095275	A	G	0.174	0.029	0.206	2.52E-09	0.008	0.003	0.012	0.010	35.501	TRUE	1.34E-08
FEV1	TRIM27	cg19400926	rs41316606	T	A	-0.401	0.070	0.031	1.03E-08	0.018	0.006	0.006	0.009	32.772	TRUE	5.81E-08
FEV1	TRIM27	cg20370991	rs115318295	A	T	-0.159	0.026	0.254	1.06E-09	0.009	0.003	4.64E-04	0.010	37.194	TRUE	1.06E-08
FEV1	TRIM27	cg20544852	rs115318295	A	T	-0.264	0.026	0.254	4.85E-24	0.009	0.003	4.64E-04	0.027	102.211	TRUE	3.75E-22
FEV1	TRIM27	cg21997109	rs115651187	G	C	-0.490	0.044	0.085	4.50E-29	0.014	0.005	0.002	0.033	125.177	TRUE	4.69E-27
FEV1	TRIM27	cg21997109	rs117929666	C	G	0.486	0.080	0.022	1.31E-09	0.005	0.008	0.546	0.010	36.785	TRUE	2.39E-09
FEV1	TRIM27	cg21997109	rs1233388	G	A	0.238	0.030	0.183	1.21E-15	0.012	0.003	1.14E-04	0.017	64.018	TRUE	3.72E-14
FEV1	TRIM27	cg21997109	rs143257546	G	C	-0.526	0.075	0.024	2.99E-12	-0.003	0.008	0.723	0.013	48.668	TRUE	5.42E-12
FEV1	TRIM27	cg21997109	rs149952	T	C	0.456	0.051	0.047	6.93E-19	0.001	0.005	0.901	0.021	78.740	TRUE	1.51E-18
FEV1	TRIM27	cg21997109	rs150790220	T	C	0.326	0.059	0.045	3.19E-08	0.007	0.006	0.232	0.008	30.574	TRUE	7.40E-08
FEV1	TRIM27	cg21997109	rs16894128	G	A	-0.411	0.035	0.131	2.51E-32	0.004	0.004	0.240	0.036	140.044	TRUE	4.48E-31
FEV1	TRIM27	cg21997109	rs184654684	G	A	-0.495	0.079	0.025	3.02E-10	-0.006	0.008	0.422	0.011	39.638	TRUE	6.51E-10
FEV1	TRIM27	cg21997109	rs2523422	A	G	-0.321	0.027	0.252	2.60E-32	0.007	0.003	0.011	0.036	139.970	TRUE	2.16E-30
FEV1	TRIM27	cg21997109	rs2531809	A	G	0.377	0.035	0.129	5.01E-27	0.011	0.003	9.06E-04	0.030	115.833	TRUE	4.72E-25
FEV1	TRIM27	cg21997109	rs35403242	A	G	0.403	0.048	0.063	2.28E-17	0.024	0.005	1.37E-06	0.019	71.850	TRUE	1.89E-15
FEV1	TRIM27	cg21997109	rs56295386	T	C	0.479	0.036	0.105	1.92E-39	-0.007	0.004	0.042	0.045	172.591	TRUE	2.08E-37
FEV1	TRIM27	cg21997109	rs6907104	C	A	0.515	0.066	0.031	5.68E-15	0.009	0.007	0.189	0.016	60.975	TRUE	2.45E-14
FEV1	TRIM27	cg21997109	rs6920512	G	A	-0.280	0.045	0.070	3.74E-10	0.002	0.004	0.603	0.010	39.221	TRUE	6.69E-10
FEV1	TRIM27	cg21997109	rs731132	G	T	-0.320	0.024	0.392	1.15E-39	0.012	0.002	2.43E-07	0.045	173.606	TRUE	5.89E-36
FEV1	TRIM27	cg21997109	rs77273697	C	T	-0.229	0.027	0.258	1.17E-17	0.009	0.003	0.001	0.019	73.171	TRUE	3.08E-16
FEV1	TRIM27	cg21997109	rs7752448	G	A	0.546	0.034	0.125	7.12E-57	-0.044	0.004	2.50E-35	0.064	252.442	TRUE	2.53E-47
FEV1	TRIM27	cg21997109	rs9257452	A	G	0.465	0.047	0.068	3.08E-23	0.015	0.005	0.001	0.026	98.554	TRUE	1.59E-21
FEV1	TRIM27	cg22900372	rs115196926	T	C	-0.255	0.043	0.082	4.24E-09	0.002	0.004	0.684	0.009	34.494	TRUE	6.69E-09
FEV1	TRIM27	cg22900372	rs115651187	G	C	0.278	0.044	0.085	2.25E-10	0.014	0.005	0.002	0.011	40.216	TRUE	1.99E-09
FEV1	TRIM27	cg22900372	rs12199114	C	G	0.331	0.060	0.037	3.43E-08	0.022	0.006	3.41E-04	0.008	30.432	TRUE	2.75E-07
FEV1	TRIM27	cg22900372	rs1233387	T	C	-0.173	0.027	0.230	2.44E-10	0.011	0.003	7.64E-05	0.011	40.060	TRUE	3.38E-09

FEV1	TRIM27	cg22900372	rs16894139	C	T	-0.266	0.040	0.090	2.57E-11	0.017	0.004	2.59E-05	0.012	44.453	TRUE	5.03E-10
FEV1	TRIM27	cg22900372	rs3117193	T	C	0.203	0.024	0.394	5.08E-17	0.009	0.002	9.64E-05	0.019	70.267	TRUE	1.99E-15
FEV1	TRIM27	cg22900372	rs55740552	G	T	-0.273	0.048	0.060	1.32E-08	0.001	0.005	0.806	0.009	32.291	TRUE	1.88E-08
FEV1	TRIM27	cg22900372	rs71559084	C	G	0.314	0.040	0.091	7.04E-15	0.010	0.004	0.018	0.016	60.555	TRUE	6.50E-14
FEV1	TRIM27	cg22900372	rs73396550	G	A	-0.368	0.038	0.096	3.57E-22	-0.006	0.004	0.129	0.025	93.702	TRUE	3.45E-21
FEV1	TRIM27	cg22900372	rs76683848	C	G	-1.044	0.107	0.011	2.70E-22	-0.016	0.012	0.178	0.025	94.259	TRUE	2.23E-21
FEV1	TRIM27	cg22900372	rs9380067	A	G	-0.231	0.028	0.246	7.37E-17	-0.024	0.003	1.59E-18	0.018	69.533	TRUE	1.06E-13
FEV1	TRIM27	cg23756442	rs3135316	G	A	-0.470	0.037	0.116	9.93E-38	-0.045	0.004	8.01E-34	0.043	164.747	TRUE	9.50E-31
FEV1	TRIM27	cg23756442	rs72851179	A	G	-0.325	0.057	0.049	1.38E-08	0.010	0.005	0.068	0.009	32.204	TRUE	4.59E-08
FEV1	TRIM27	cg23756442	rs9257572	T	G	-0.185	0.024	0.426	7.02E-15	-0.014	0.002	3.12E-09	0.016	60.560	TRUE	7.72E-13
FEV1	TRIM27	cg24697433	rs114325231	T	G	-0.572	0.048	0.063	2.86E-33	0.018	0.005	2.16E-04	0.038	144.355	TRUE	9.74E-31
FEV1	TRIM27	cg24697433	rs12195700	C	T	0.328	0.060	0.038	4.60E-08	0.021	0.006	3.09E-04	0.008	29.861	TRUE	3.69E-07
FEV1	TRIM27	cg24697433	rs149356531	G	C	-0.466	0.058	0.045	8.21E-16	0.008	0.006	0.215	0.017	64.784	TRUE	3.57E-15
FEV1	TRIM27	cg24697433	rs149952	T	C	-0.595	0.051	0.047	3.01E-31	0.001	0.005	0.901	0.035	135.112	TRUE	1.51E-30
FEV1	TRIM27	cg24697433	rs1736922	T	C	0.237	0.027	0.271	9.17E-19	-0.023	0.003	7.28E-18	0.021	78.187	TRUE	1.70E-15
FEV1	TRIM27	cg24697433	rs209140	A	G	-1.035	0.020	0.247	<1E-200	0.010	0.003	1.80E-04	0.411	2585.652	TRUE	<1E-200
FEV1	TRIM27	cg24697433	rs34302671	G	A	0.298	0.038	0.108	1.98E-15	0.008	0.004	0.041	0.017	63.048	TRUE	1.51E-14
FEV1	TRIM27	cg24697433	rs35403242	A	G	-0.972	0.046	0.063	1.96E-97	0.024	0.005	1.37E-06	0.106	438.578	TRUE	6.59E-89
FEV1	TRIM27	cg24697433	rs41316606	T	A	-1.089	0.069	0.031	6.66E-56	0.018	0.006	0.006	0.063	247.989	TRUE	1.96E-52
FEV1	TRIM27	cg24697433	rs62401446	A	G	-0.823	0.092	0.019	3.68E-19	0.029	0.008	6.24E-04	0.021	79.989	TRUE	1.31E-17
FEV1	TRIM27	cg24697433	rs73740605	C	T	-1.127	0.169	0.011	2.92E-11	-0.023	0.011	0.036	0.012	44.205	TRUE	1.51E-10
FEV1	TRIM27	cg24697433	rs74561353	A	T	0.283	0.047	0.067	1.34E-09	0.009	0.005	0.071	0.010	36.728	TRUE	4.93E-09
FEV1	TRIM27	cg24697433	rs75446291	G	C	-1.067	0.172	0.012	5.89E-10	0.025	0.014	0.065	0.010	38.338	TRUE	2.29E-09
FEV1	TRIM27	cg24697433	rs77983937	G	A	-0.902	0.066	0.031	9.86E-43	0.013	0.007	0.056	0.048	187.646	TRUE	1.39E-40
FEV1	TRIM27	cg24697433	rs78793798	G	A	-1.056	0.066	0.030	5.43E-58	-0.009	0.006	0.146	0.065	257.567	TRUE	3.14E-55
FEV1	TRIM27	cg24697433	rs9295793	A	C	0.282	0.032	0.156	2.77E-18	0.000	0.003	0.931	0.020	76.005	TRUE	5.70E-18
FEV1	TRIM27	cg25525825	rs114357009	A	G	-0.289	0.052	0.048	2.79E-08	0.002	0.005	0.696	0.008	30.832	TRUE	4.22E-08
FEV1	TRIM27	cg25525825	rs209140	A	G	-0.308	0.026	0.247	1.53E-31	0.010	0.003	1.80E-04	0.036	136.454	TRUE	4.49E-29
FEV1	TRIM27	cg25525825	rs35604709	A	G	-0.292	0.048	0.062	8.84E-10	0.024	0.005	1.18E-06	0.010	37.546	TRUE	1.87E-08
FEV1	TRIM27	cg25701364	rs142863425	T	C	-0.235	0.042	0.080	2.78E-08	-0.008	0.004	0.058	0.008	30.842	TRUE	9.42E-08
FEV1	TRIM27	cg25701364	rs2023463	T	C	0.212	0.036	0.119	4.80E-09	-0.045	0.004	3.46E-35	0.009	34.251	TRUE	3.61E-06
FEV1	TRIM27	cg25701364	rs209140	A	G	-0.245	0.026	0.247	1.25E-20	0.010	0.003	1.80E-04	0.023	86.680	TRUE	7.58E-19
FEV1	TRIM27	cg27120125	rs13200214	T	C	-0.228	0.037	0.110	5.52E-10	-0.045	0.004	5.55E-35	0.010	38.465	TRUE	6.02E-07
FEV1	TRIM27	cg27120125	rs3129793	A	G	-0.130	0.023	0.490	2.00E-08	-0.012	0.002	9.87E-07	0.008	31.481	TRUE	3.16E-07
FEV1	TRIM27	cg27257926	rs209142	C	G	-0.151	0.023	0.388	1.45E-10	-0.012	0.002	1.49E-06	0.011	41.079	TRUE	3.45E-09
FEV1	TRIM27	cg27358207	rs75058702	T	G	0.279	0.049	0.065	1.06E-08	0.010	0.005	0.031	0.009	32.708	TRUE	4.36E-08
FEV1	TRIM27	cg27383651	rs209140	A	G	-0.209	0.026	0.247	1.39E-15	0.010	0.003	1.80E-04	0.017	63.754	TRUE	4.04E-14
FEV1	TRIM65	cg01453052	rs7219918	T	C	-0.372	0.060	0.045	7.05E-10	0.007	0.006	0.218	0.010	37.986	TRUE	1.90E-09
FEV1	TRIM65	cg25176883	rs3744027	A	G	0.175	0.030	0.186	3.54E-09	0.007	0.003	0.025	0.009	34.844	TRUE	1.61E-08
FEV1	TRIM65	cg26780705	rs2585739	A	G	-0.507	0.076	0.023	2.49E-11	0.007	0.007	0.344	0.012	44.518	TRUE	6.27E-11
FEV1	TRIM65	cg26780705	rs58587945	T	C	-0.253	0.035	0.121	8.37E-13	0.008	0.004	0.031	0.014	51.165	TRUE	5.27E-12
FEV1	TRIM8	cg06662132	rs7475335	A	C	-0.179	0.025	0.323	3.34E-13	-0.007	0.003	0.006	0.014	52.966	TRUE	3.26E-12

FEV1	TRIM8	cg07119830	rs11191286	T	C	-0.306	0.028	0.234	8.60E-28	0.006	0.003	0.030	0.031	119.326	TRUE	2.80E-26
FEV1	TRIM8	cg07119830	rs112991768	G	A	0.231	0.036	0.121	1.40E-10	-0.002	0.004	0.590	0.011	41.142	TRUE	2.61E-10
FEV1	TRIM8	cg07119830	rs113189494	G	C	0.423	0.048	0.063	9.10E-19	-0.005	0.005	0.296	0.021	78.204	TRUE	4.28E-18
FEV1	TRIM8	cg07119830	rs117436403	T	C	-0.522	0.084	0.018	5.88E-10	0.003	0.008	0.765	0.010	38.340	TRUE	9.17E-10
FEV1	TRIM8	cg07119830	rs117639302	T	C	-1.131	0.117	0.010	5.77E-22	-0.004	0.010	0.707	0.024	92.755	TRUE	1.91E-21
FEV1	TRIM8	cg07119830	rs12765060	A	G	0.337	0.059	0.036	1.27E-08	-0.005	0.006	0.403	0.009	32.364	TRUE	2.50E-08
FEV1	TRIM8	cg07119830	rs146213793	A	C	0.406	0.065	0.031	3.97E-10	-0.004	0.006	0.573	0.010	39.108	TRUE	7.31E-10
FEV1	TRIM8	cg07119830	rs2002916	G	A	0.518	0.024	0.315	1.41E-99	-0.002	0.003	0.353	0.108	448.412	TRUE	3.86E-94
FEV1	TRIM8	cg07119830	rs3218225	A	G	-0.748	0.097	0.014	1.42E-14	0.010	0.009	0.285	0.016	59.176	TRUE	4.92E-14
FEV1	TRIM8	cg07119830	rs4146429	C	T	-1.271	0.040	0.081	1.68E-223	0.000	0.004	0.996	0.216	1017.988	TRUE	1.06E-203
FEV1	TRIM8	cg07119830	rs45516493	A	G	-0.227	0.034	0.134	4.78E-11	0.003	0.003	0.360	0.012	43.242	TRUE	1.16E-10
FEV1	TRIM8	cg07119830	rs6584485	C	T	0.210	0.032	0.160	4.79E-11	-0.009	0.003	0.009	0.012	43.239	TRUE	3.33E-10
FEV1	TRIM8	cg07119830	rs7086205	C	T	0.242	0.033	0.144	2.51E-13	-0.001	0.003	0.874	0.014	53.528	TRUE	4.19E-13
FEV1	TRIM8	cg07119830	rs74465643	T	C	-0.908	0.090	0.018	4.04E-24	-0.022	0.008	0.005	0.027	102.574	TRUE	1.57E-22
FEV1	TRIM8	cg07119830	rs7904281	A	G	-0.245	0.024	0.359	3.99E-24	-0.002	0.002	0.539	0.027	102.599	TRUE	1.95E-23
FEV1	TRIM8	cg12673499	rs12764388	A	G	0.219	0.038	0.107	8.87E-09	0.001	0.004	0.734	0.009	33.056	TRUE	1.35E-08
FEV1	TRIM8	cg12673499	rs139965762	A	T	0.313	0.051	0.055	8.35E-10	-0.005	0.005	0.335	0.010	37.656	TRUE	1.91E-09
FEV1	TRIM8	cg12673499	rs17783771	T	C	-0.437	0.025	0.326	1.21E-70	0.007	0.003	0.008	0.079	315.596	TRUE	3.37E-66
FEV1	TRIM8	cg12673499	rs190041783	G	A	-0.334	0.058	0.042	6.65E-09	-0.014	0.005	0.006	0.009	33.616	TRUE	3.75E-08
FEV1	TRIM8	cg12673499	rs284849	T	G	-0.219	0.030	0.194	1.81E-13	-0.006	0.003	0.057	0.014	54.175	TRUE	1.01E-12
FEV1	TRIM8	cg12673499	rs34416174	C	G	0.254	0.025	0.308	6.63E-24	-0.001	0.003	0.781	0.027	101.593	TRUE	2.27E-23
FEV1	TRIM8	cg12673499	rs4918013	A	G	0.204	0.036	0.122	1.85E-08	-0.003	0.004	0.457	0.008	31.632	TRUE	3.43E-08
FEV1	TRIM8	cg12673499	rs61873698	T	C	-0.243	0.043	0.084	1.67E-08	-0.003	0.005	0.503	0.009	31.827	TRUE	2.97E-08
FEV1	TRIM8	cg12673499	rs78392571	A	T	0.222	0.026	0.264	3.64E-17	0.002	0.005	0.718	0.019	70.927	TRUE	8.68E-17
FEV1	TRIM8	cg22532475	rs11191317	A	G	-0.727	0.066	0.035	7.37E-28	0.015	0.007	0.024	0.031	119.632	TRUE	2.63E-26
FEV1	TRIM8	cg22532475	rs11593244	C	T	-0.144	0.024	0.352	4.25E-09	-0.005	0.003	0.049	0.009	34.487	TRUE	1.59E-08
FEV1	TRIM8	cg22532475	rs12414777	T	C	0.398	0.031	0.164	1.91E-38	-0.004	0.003	0.185	0.043	168.027	TRUE	7.43E-37
FEV1	TRIM8	cg22532475	rs12768205	T	C	0.326	0.026	0.282	6.47E-37	0.003	0.003	0.214	0.042	161.025	TRUE	1.99E-35
FEV1	TRIM8	cg22532475	rs146213793	A	C	0.438	0.065	0.031	1.45E-11	-0.004	0.006	0.573	0.012	45.578	TRUE	2.90E-11
FEV1	TRIM8	cg22532475	rs148089364	T	C	-0.312	0.048	0.059	7.08E-11	0.009	0.005	0.051	0.011	42.473	TRUE	3.20E-10
FEV1	TRIM8	cg22532475	rs191944003	A	G	-0.801	0.089	0.018	2.14E-19	0.000	0.009	0.990	0.021	81.063	TRUE	4.36E-19
FEV1	TRIM8	cg22532475	rs2250301	A	G	-0.281	0.027	0.247	4.84E-25	-0.002	0.003	0.471	0.028	106.778	TRUE	2.85E-24
FEV1	TRIM8	cg22532475	rs28810078	A	G	-0.437	0.079	0.024	3.77E-08	0.012	0.009	0.160	0.008	30.249	TRUE	9.73E-08
FEV1	TRIM8	cg22532475	rs2902544	T	C	0.349	0.038	0.104	8.03E-20	-0.001	0.004	0.719	0.022	82.997	TRUE	2.29E-19
FEV1	TRIM8	cg22532475	rs3014187	A	G	-0.236	0.037	0.231	3.34E-10	-0.001	0.003	0.815	0.011	39.446	TRUE	5.07E-10
FEV1	TRIM8	cg22532475	rs35055249	C	A	0.322	0.045	0.072	7.48E-13	0.002	0.005	0.702	0.014	51.386	TRUE	1.42E-12
FEV1	TRIM8	cg22532475	rs35756290	A	G	0.387	0.025	0.297	2.18E-52	0.003	0.003	0.342	0.059	231.877	TRUE	2.86E-50
FEV1	TRIM8	cg22532475	rs55833108	T	G	-0.321	0.027	0.235	6.50E-32	0.004	0.003	0.164	0.036	138.152	TRUE	1.42E-30
FEV1	TRIM8	cg22532475	rs59426691	C	G	-0.804	0.021	0.361	<1E-200	0.007	0.002	0.007	0.282	1449.508	TRUE	3.41E-276
FEV1	TRIM8	cg22532475	rs61873698	T	C	-0.474	0.043	0.084	2.45E-28	-0.003	0.005	0.503	0.032	121.814	TRUE	1.76E-27
FEV1	TRIM8	cg22532475	rs6584485	C	T	0.265	0.032	0.160	1.01E-16	-0.009	0.003	0.009	0.018	68.919	TRUE	1.37E-15
FEV1	TRIM8	cg22532475	rs6584538	G	A	-0.707	0.073	0.023	5.21E-22	0.009	0.007	0.170	0.025	92.957	TRUE	4.29E-21

FEV1	TRIM8	cg22532475	rs7094906	G	A	-0.247	0.027	0.258	1.17E-19	0.003	0.003	0.231	0.022	82.254	TRUE	6.90E-19
FEV1	TRIM8	cg22532475	rs72841265	T	C	-0.558	0.064	0.034	4.14E-18	-0.012	0.007	0.070	0.020	75.215	TRUE	3.45E-17
FEV1	TRIM8	cg22532475	rs72845082	A	T	0.249	0.035	0.119	2.03E-12	-0.008	0.004	0.020	0.013	49.432	TRUE	1.43E-11
FEV1	TRIM8	cg22532475	rs75779120	A	G	0.341	0.047	0.061	5.62E-13	-0.005	0.005	0.364	0.014	51.948	TRUE	1.54E-12
FEV1	TRIM8	cg22532475	rs76777914	A	G	-0.611	0.063	0.037	4.14E-22	0.004	0.006	0.514	0.025	93.410	TRUE	1.78E-21
FEV1	TRIM8	cg22532475	rs7921010	T	G	0.221	0.029	0.192	5.03E-14	0.002	0.003	0.441	0.015	56.688	TRUE	1.35E-13
FEV1	TRIM8	cg27391127	rs12241712	A	C	0.370	0.025	0.294	6.28E-48	-0.002	0.003	0.494	0.054	211.442	TRUE	3.29E-46
FEV1	TRIM8	cg27391127	rs55689128	A	T	0.153	0.024	0.376	8.69E-11	0.003	0.002	0.176	0.011	42.073	TRUE	2.69E-10
FEV1	TRIML2	cg05902834	rs28573887	C	T	-0.236	0.032	0.158	1.86E-13	-0.003	0.003	0.303	0.014	54.119	TRUE	5.79E-13
FEV1	TRIML2	cg11807446	rs6833212	T	G	0.378	0.039	0.099	4.35E-22	-0.006	0.004	0.173	0.025	93.315	TRUE	3.63E-21
FEV1	TRIML2	cg11807446	rs76885856	T	C	0.507	0.088	0.016	9.14E-09	-0.005	0.008	0.513	0.009	32.998	TRUE	1.64E-08
FEV1	TRIML2	cg11807446	rs79739615	G	A	0.179	0.032	0.159	2.04E-08	-0.001	0.003	0.729	0.008	31.435	TRUE	3.03E-08
FEV1	TRIML2	cg17565478	rs78668658	A	G	0.364	0.052	0.053	2.90E-12	0.012	0.006	0.035	0.013	48.731	TRUE	1.69E-11
FEV1	TRIML2	cg25569462	rs111772789	G	A	-0.472	0.033	0.146	7.34E-48	-0.002	0.003	0.649	0.054	211.134	TRUE	2.75E-46
FEV1	TRIML2	cg25569462	rs114295584	C	T	-0.803	0.123	0.024	7.11E-11	-0.005	0.011	0.614	0.011	42.466	TRUE	1.31E-10
FEV1	TRIML2	cg25569462	rs12642480	T	C	0.342	0.024	0.347	1.13E-44	0.002	0.003	0.447	0.050	196.538	TRUE	4.46E-43
FEV1	TRIML2	cg25569462	rs183578343	A	C	-0.947	0.093	0.016	2.62E-24	-0.014	0.010	0.174	0.027	103.430	TRUE	2.64E-23
FEV1	TRIML2	cg25569462	rs4403101	C	T	-0.977	0.020	0.317	<1E-200	-0.002	0.003	0.402	0.395	2417.781	TRUE	<1E-200
FEV1	TRIML2	cg25569462	rs55892686	C	T	-0.773	0.036	0.115	4.46E-100	-0.004	0.004	0.320	0.109	450.717	TRUE	1.49E-94
FEV1	TRIML2	cg25569462	rs59615584	T	G	-0.497	0.040	0.099	7.57E-36	-0.004	0.004	0.294	0.041	156.137	TRUE	1.68E-34
FEV1	TRIML2	cg25569462	rs60630053	C	T	0.319	0.030	0.207	1.19E-26	-0.002	0.003	0.490	0.030	114.116	TRUE	7.42E-26
FEV1	TRIML2	cg25569462	rs6820362	T	G	-0.139	0.025	0.310	4.08E-08	0.000	0.003	0.861	0.008	30.094	TRUE	5.41E-08
FEV1	TRIML2	cg25569462	rs6857559	T	C	0.164	0.024	0.406	1.14E-11	0.000	0.002	0.955	0.012	46.053	TRUE	1.63E-11
FEV1	TRIML2	cg25569462	rs74827807	G	C	-0.914	0.105	0.012	4.43E-18	0.016	0.012	0.167	0.020	75.080	TRUE	2.59E-17
FEV1	TRIML2	cg25569462	rs76188383	C	T	-0.941	0.139	0.018	1.16E-11	0.007	0.009	0.473	0.012	46.010	TRUE	2.59E-11
FEV1	TRIML2	cg25569462	rs7657002	C	T	-0.412	0.023	0.494	1.04E-71	-0.001	0.002	0.574	0.080	320.487	TRUE	1.09E-68
FEV1	TRIML2	cg25569462	rs76885856	T	C	-0.941	0.088	0.016	1.33E-26	-0.005	0.008	0.513	0.030	113.897	TRUE	8.15E-26
FEV1	TRIML2	cg25569462	rs7696678	T	C	0.388	0.025	0.320	1.93E-55	0.004	0.003	0.108	0.062	245.869	TRUE	1.02E-52
FEV1	TRIML2	cg25569462	rs78158338	A	G	-0.808	0.106	0.012	3.02E-14	-0.013	0.010	0.185	0.015	57.688	TRUE	1.23E-13
FEV1	TRPM7	cg04844971	rs10519289	T	C	0.176	0.028	0.210	4.60E-10	0.010	0.003	4.06E-04	0.010	38.820	TRUE	4.71E-09
FEV1	TRPM7	cg04844971	rs112540614	G	T	0.422	0.059	0.045	5.84E-13	-0.005	0.006	0.455	0.014	51.872	TRUE	1.44E-12
FEV1	TRPM7	cg04844971	rs146407569	A	G	-0.298	0.052	0.054	7.36E-09	-0.009	0.005	0.068	0.009	33.420	TRUE	2.53E-08
FEV1	TRPM7	cg04844971	rs79490108	A	G	-0.204	0.037	0.108	2.77E-08	-0.015	0.004	1.18E-04	0.008	30.848	TRUE	2.60E-07
FEV1	TRPM7	cg11811464	rs62017256	G	A	0.414	0.068	0.030	1.09E-09	-0.008	0.007	0.255	0.010	37.144	TRUE	2.74E-09
FEV1	TRPM7	cg13131753	rs10851496	C	T	0.138	0.024	0.415	4.23E-09	-0.011	0.002	4.00E-06	0.009	34.497	TRUE	6.59E-08
FEV1	TRPM7	cg13131753	rs540257	A	T	-0.801	0.036	0.100	1.02E-107	0.007	0.004	0.048	0.116	485.801	TRUE	1.36E-100
FEV1	TRPM7	cg13131753	rs56039974	G	A	-0.296	0.034	0.140	3.35E-18	0.007	0.004	0.053	0.020	75.629	TRUE	3.09E-17
FEV1	TRPM7	cg23120725	rs12909505	C	T	-0.145	0.024	0.430	8.34E-10	0.007	0.002	0.002	0.010	37.659	TRUE	6.72E-09
FEV1	TRPM7	cg23120725	rs56170748	C	T	0.317	0.023	0.484	1.06E-42	-0.005	0.002	0.020	0.048	187.500	TRUE	2.61E-40
FEV1	TRPM7	cg23120725	rs61565615	G	A	-0.177	0.031	0.176	1.74E-08	-0.008	0.003	0.016	0.009	31.749	TRUE	7.94E-08
FEV1	UCHL1	cg04178266	rs6813382	A	G	0.145	0.025	0.321	6.56E-09	0.003	0.003	0.245	0.009	33.641	TRUE	1.58E-08
FEV1	UCHL1	cg08273672	rs13102133	G	C	0.337	0.031	0.165	3.00E-27	-0.008	0.003	0.009	0.031	116.851	TRUE	1.45E-25

FEV1	UCHL1	cg15032098	rs6812792	T	C	0.216	0.028	0.215	2.80E-14	0.002	0.003	0.493	0.015	57.838	TRUE	7.17E-14
FEV1	UCHL1	cg16026922	rs11940114	T	C	-0.305	0.031	0.165	2.66E-22	-0.008	0.003	0.009	0.025	94.285	TRUE	6.81E-21
FEV1	UCHL1	cg16026922	rs3756002	T	C	-0.340	0.044	0.082	1.01E-14	-0.002	0.004	0.610	0.016	59.850	TRUE	2.32E-14
FEV1	UCHL1	cg16026922	rs6813382	A	G	0.153	0.025	0.321	1.19E-09	0.003	0.003	0.245	0.010	36.961	TRUE	3.03E-09
FEV1	UCHL1	cg16406708	rs13152103	C	T	0.142	0.025	0.310	1.65E-08	-0.005	0.003	0.045	0.009	31.851	TRUE	6.04E-08
FEV1	UCHL1	cg24715245	rs11940114	T	C	-0.203	0.031	0.165	1.08E-10	-0.008	0.003	0.009	0.011	41.653	TRUE	7.07E-10
FEV1	UCHL1	cg24715245	rs6813382	A	G	0.148	0.025	0.321	3.86E-09	0.003	0.003	0.245	0.009	34.676	TRUE	9.43E-09
FEV1	UNC13D	cg01430390	rs2410859	C	T	-0.492	0.025	0.314	3.53E-87	0.006	0.003	0.022	0.096	391.490	TRUE	1.20E-81
FEV1	UNC13D	cg01430390	rs2598415	T	G	-0.153	0.026	0.280	6.16E-09	0.003	0.003	0.264	0.009	33.765	TRUE	1.45E-08
FEV1	UNC13D	cg01430390	rs3744011	T	C	-0.402	0.059	0.048	1.08E-11	0.004	0.006	0.549	0.012	46.161	TRUE	2.23E-11
FEV1	UNC13D	cg01430390	rs7217719	C	T	-0.167	0.025	0.344	1.06E-11	-0.002	0.003	0.534	0.012	46.184	TRUE	2.25E-11
FEV1	UNC13D	cg01574231	rs8065151	G	C	0.581	0.050	0.061	1.09E-30	0.002	0.005	0.639	0.035	132.560	TRUE	7.78E-30
FEV1	UNC13D	cg01574231	rs9903200	A	G	0.311	0.026	0.300	1.50E-33	0.007	0.003	0.008	0.038	145.629	TRUE	1.63E-31
FEV1	UNC13D	cg02627403	rs113062332	A	G	-0.471	0.071	0.030	2.63E-11	0.002	0.007	0.799	0.012	44.411	TRUE	4.26E-11
FEV1	UNC13D	cg02627403	rs12325726	T	C	-0.186	0.032	0.167	7.17E-09	0.002	0.003	0.514	0.009	33.469	TRUE	1.29E-08
FEV1	UNC13D	cg02627403	rs144456260	A	G	0.436	0.078	0.030	2.25E-08	0.003	0.007	0.699	0.008	31.245	TRUE	3.41E-08
FEV1	UNC13D	cg02627403	rs145224941	C	T	-0.523	0.092	0.014	1.51E-08	-0.005	0.011	0.677	0.009	32.020	TRUE	2.35E-08
FEV1	UNC13D	cg02627403	rs147677775	A	G	-0.447	0.066	0.031	1.37E-11	0.001	0.007	0.914	0.012	45.691	TRUE	2.04E-11
FEV1	UNC13D	cg02627403	rs2071193	A	G	0.274	0.023	0.425	4.58E-32	-0.007	0.002	0.005	0.036	138.846	TRUE	4.78E-30
FEV1	UNC13D	cg02627403	rs2305914	T	C	-0.557	0.048	0.068	1.40E-30	-0.001	0.005	0.775	0.034	132.064	TRUE	8.06E-30
FEV1	UNC13D	cg02627403	rs4788909	G	C	-0.323	0.030	0.201	2.13E-27	0.001	0.003	0.870	0.031	117.531	TRUE	8.41E-27
FEV1	UNC13D	cg02627403	rs62090776	T	G	-0.253	0.041	0.094	9.57E-10	0.000	0.004	0.954	0.010	37.390	TRUE	1.27E-09
FEV1	UNC13D	cg02627403	rs7210574	C	T	-0.781	0.022	0.333	1.40E-271	0.006	0.003	0.024	0.251	1239.089	TRUE	2.07E-240
FEV1	UNC13D	cg02627403	rs8065144	G	A	-0.252	0.025	0.344	8.62E-25	-0.002	0.003	0.523	0.028	105.633	TRUE	4.51E-24
FEV1	UNC13D	cg02627403	rs9900702	C	T	-0.634	0.082	0.022	1.18E-14	-0.007	0.008	0.361	0.016	59.545	TRUE	3.67E-14
FEV1	UNC13D	cg02880508	rs2071193	A	G	0.164	0.023	0.425	2.60E-12	-0.007	0.002	0.005	0.013	48.945	TRUE	2.38E-11
FEV1	UNC13D	cg02880508	rs2444843	T	C	-0.469	0.079	0.030	3.44E-09	-0.002	0.008	0.786	0.009	34.896	TRUE	5.10E-09
FEV1	UNC13D	cg02880508	rs4788909	G	C	-0.235	0.030	0.201	4.17E-15	0.001	0.003	0.870	0.016	61.586	TRUE	7.66E-15
FEV1	UNC13D	cg02880508	rs7210574	C	T	-0.609	0.024	0.333	2.86E-138	0.006	0.003	0.024	0.145	626.179	TRUE	1.14E-127
FEV1	UNC13D	cg02880508	rs75625838	C	T	-0.258	0.043	0.090	1.42E-09	-0.001	0.004	0.776	0.010	36.619	TRUE	2.17E-09
FEV1	UNC13D	cg02880508	rs8065144	G	A	-0.157	0.025	0.344	1.67E-10	-0.002	0.003	0.523	0.011	40.794	TRUE	3.30E-10
FEV1	UNC13D	cg04304639	rs3744007	A	G	0.848	0.095	0.016	4.15E-19	-0.007	0.009	0.419	0.021	79.751	TRUE	1.65E-18
FEV1	UNC13D	cg07010633	rs113617218	A	G	-0.204	0.027	0.264	1.62E-14	0.003	0.003	0.292	0.016	58.913	TRUE	5.64E-14
FEV1	UNC13D	cg07010633	rs12325726	T	C	-0.229	0.032	0.167	1.08E-12	0.002	0.003	0.514	0.014	50.663	TRUE	2.45E-12
FEV1	UNC13D	cg07010633	rs12601118	A	C	-0.474	0.044	0.074	1.83E-27	-0.003	0.005	0.545	0.031	117.829	TRUE	1.13E-26
FEV1	UNC13D	cg07010633	rs145224941	C	T	-0.625	0.092	0.014	1.29E-11	-0.005	0.011	0.677	0.012	45.805	TRUE	2.35E-11
FEV1	UNC13D	cg07010633	rs2305914	T	C	-0.594	0.048	0.068	1.40E-34	-0.001	0.005	0.775	0.039	150.344	TRUE	1.13E-33
FEV1	UNC13D	cg07010633	rs62090776	T	G	-0.306	0.041	0.094	1.32E-13	0.000	0.004	0.954	0.015	54.788	TRUE	2.07E-13
FEV1	UNC13D	cg07010633	rs7216655	A	G	0.578	0.068	0.066	1.47E-17	-0.003	0.005	0.576	0.019	72.711	TRUE	4.26E-17
FEV1	UNC13D	cg07010633	rs73352129	G	C	-0.855	0.022	0.308	<1E-200	0.006	0.003	0.017	0.285	1474.590	TRUE	5.08E-281
FEV1	UNC13D	cg07010633	rs75988962	T	C	-0.624	0.036	0.117	8.88E-67	0.003	0.004	0.488	0.075	297.864	TRUE	5.33E-64
FEV1	UNC13D	cg07010633	rs9900702	C	T	-0.691	0.082	0.022	3.73E-17	-0.007	0.008	0.361	0.019	70.878	TRUE	1.39E-16

FEV1	UNC13D	cg12407791	rs113617218	A	G	-0.194	0.027	0.264	2.47E-13	0.003	0.003	0.292	0.014	53.561	TRUE	7.85E-13
FEV1	UNC13D	cg12407791	rs12325726	T	C	-0.261	0.032	0.167	3.74E-16	0.002	0.003	0.514	0.018	66.334	TRUE	1.05E-15
FEV1	UNC13D	cg12407791	rs12601118	A	C	-0.472	0.044	0.074	2.72E-27	-0.003	0.005	0.545	0.031	117.045	TRUE	1.66E-26
FEV1	UNC13D	cg12407791	rs145224941	C	T	-0.663	0.092	0.014	6.43E-13	-0.005	0.011	0.677	0.014	51.683	TRUE	1.26E-12
FEV1	UNC13D	cg12407791	rs2305914	T	C	-0.619	0.048	0.068	1.43E-37	-0.001	0.005	0.775	0.042	164.026	TRUE	1.51E-36
FEV1	UNC13D	cg12407791	rs2666001	T	A	0.217	0.035	0.120	8.49E-10	-0.002	0.004	0.514	0.010	37.624	TRUE	1.62E-09
FEV1	UNC13D	cg12407791	rs4485425	A	G	-0.889	0.022	0.301	<1E-200	0.006	0.003	0.016	0.299	1576.217	TRUE	3.47E-298
FEV1	UNC13D	cg12407791	rs62090776	T	G	-0.302	0.041	0.094	2.80E-13	0.000	0.004	0.954	0.014	53.318	TRUE	4.31E-13
FEV1	UNC13D	cg12407791	rs7216655	A	G	0.605	0.068	0.066	4.18E-19	-0.003	0.005	0.576	0.021	79.740	TRUE	1.34E-18
FEV1	UNC13D	cg12407791	rs75988962	T	C	-0.665	0.036	0.117	4.53E-76	0.003	0.004	0.488	0.084	340.496	TRUE	1.13E-72
FEV1	UNC13D	cg12407791	rs9900702	C	T	-0.707	0.082	0.022	6.47E-18	-0.007	0.008	0.361	0.020	74.331	TRUE	2.56E-17
FEV1	UNC13D	cg14715778	rs2410859	C	T	0.240	0.025	0.314	2.12E-21	0.006	0.003	0.022	0.024	90.177	TRUE	3.88E-20
FEV1	UNC13D	cg15177359	rs3744021	A	G	0.148	0.025	0.294	5.08E-09	0.007	0.003	0.011	0.009	34.141	TRUE	2.59E-08
FEV1	UNC13D	cg16354117	rs11868308	T	C	0.446	0.027	0.230	6.12E-60	0.006	0.003	0.023	0.067	266.498	TRUE	1.56E-56
FEV1	UNC13D	cg17075258	rs7210574	C	T	-0.338	0.025	0.333	5.02E-42	0.006	0.003	0.024	0.047	184.410	TRUE	9.83E-40
FEV1	UNC13D	cg22467534	rs56000661	C	A	-0.142	0.025	0.314	1.62E-08	0.006	0.003	0.011	0.009	31.881	TRUE	8.02E-08
FEV1	UNC13D	cg23470227	rs113062332	A	G	-0.440	0.071	0.030	4.74E-10	0.002	0.007	0.799	0.010	38.762	TRUE	7.22E-10
FEV1	UNC13D	cg23470227	rs12325726	T	C	-0.213	0.032	0.167	3.19E-11	0.002	0.003	0.514	0.012	44.033	TRUE	6.60E-11
FEV1	UNC13D	cg23470227	rs145224941	C	T	-0.622	0.092	0.014	1.59E-11	-0.005	0.011	0.677	0.012	45.398	TRUE	2.88E-11
FEV1	UNC13D	cg23470227	rs147677775	A	G	-0.413	0.066	0.031	4.20E-10	0.001	0.007	0.914	0.010	38.995	TRUE	5.89E-10
FEV1	UNC13D	cg23470227	rs2071193	A	G	0.273	0.023	0.425	6.68E-32	-0.007	0.002	0.005	0.036	138.098	TRUE	6.83E-30
FEV1	UNC13D	cg23470227	rs2305914	T	C	-0.449	0.049	0.068	2.61E-20	-0.001	0.005	0.775	0.023	85.219	TRUE	7.18E-20
FEV1	UNC13D	cg23470227	rs4788909	G	C	-0.347	0.030	0.201	2.14E-31	0.001	0.003	0.870	0.035	135.784	TRUE	1.15E-30
FEV1	UNC13D	cg23470227	rs56321017	T	C	-0.512	0.087	0.019	3.54E-09	-0.004	0.008	0.584	0.009	34.844	TRUE	6.13E-09
FEV1	UNC13D	cg23470227	rs62090776	T	G	-0.343	0.041	0.094	9.02E-17	0.000	0.004	0.954	0.018	69.136	TRUE	1.65E-16
FEV1	UNC13D	cg23470227	rs7216655	A	G	0.521	0.068	0.066	1.60E-14	-0.003	0.005	0.576	0.016	58.940	TRUE	3.82E-14
FEV1	UNC13D	cg23470227	rs7217719	C	T	-0.241	0.025	0.344	9.98E-23	-0.002	0.003	0.534	0.025	96.226	TRUE	4.46E-22
FEV1	UNC13D	cg23470227	rs9900933	C	T	-0.831	0.022	0.348	<1E-200	0.005	0.003	0.054	0.287	1485.716	TRUE	1.30E-283
FEV1	UNC13D	cg23891399	rs12325726	T	C	-0.212	0.032	0.167	4.34E-11	0.002	0.003	0.514	0.012	43.429	TRUE	8.91E-11
FEV1	UNC13D	cg23891399	rs12601118	A	C	-0.430	0.044	0.074	7.14E-23	-0.003	0.005	0.545	0.026	96.890	TRUE	3.09E-22
FEV1	UNC13D	cg23891399	rs144456260	A	G	0.425	0.078	0.030	4.92E-08	0.003	0.007	0.699	0.008	29.731	TRUE	7.33E-08
FEV1	UNC13D	cg23891399	rs145224941	C	T	-0.636	0.092	0.014	5.70E-12	-0.005	0.011	0.677	0.013	47.406	TRUE	1.06E-11
FEV1	UNC13D	cg23891399	rs2071193	A	G	0.319	0.023	0.425	3.78E-43	-0.007	0.002	0.005	0.049	189.552	TRUE	1.74E-40
FEV1	UNC13D	cg23891399	rs2598431	G	A	0.303	0.052	0.052	6.12E-09	-0.011	0.005	0.032	0.009	33.778	TRUE	2.51E-08
FEV1	UNC13D	cg23891399	rs3744011	T	C	-0.687	0.059	0.048	1.54E-31	0.004	0.006	0.549	0.036	136.447	TRUE	1.35E-30
FEV1	UNC13D	cg23891399	rs4485425	A	G	-0.861	0.023	0.301	<1E-200	0.006	0.003	0.016	0.281	1442.108	TRUE	2.07E-275
FEV1	UNC13D	cg23891399	rs62090776	T	G	-0.360	0.041	0.094	2.80E-18	0.000	0.004	0.954	0.020	75.985	TRUE	5.54E-18
FEV1	UNC13D	cg23891399	rs7216655	A	G	0.486	0.068	0.066	8.43E-13	-0.003	0.005	0.576	0.014	51.153	TRUE	1.81E-12
FEV1	UNC13D	cg23891399	rs75988962	T	C	-0.636	0.036	0.117	2.96E-69	0.003	0.004	0.488	0.077	309.224	TRUE	2.57E-66
FEV1	UNC13D	cg23891399	rs9900702	C	T	-0.618	0.082	0.022	5.15E-14	-0.007	0.008	0.361	0.015	56.641	TRUE	1.53E-13
FEV1	UNC5B	cg02378006	rs12412628	G	A	-0.190	0.023	0.444	2.84E-16	0.002	0.002	0.323	0.018	66.878	TRUE	1.03E-15
FEV1	UNC5B	cg02675344	rs7090550	C	T	0.139	0.023	0.451	3.20E-09	0.002	0.002	0.439	0.009	35.036	TRUE	6.24E-09

FEV1	UNC5B	cg04177244	rs10823691	C	T	0.265	0.026	0.279	1.32E-24	0.000	0.003	0.907	0.028	104.783	TRUE	4.09E-24
FEV1	UNC5B	cg04177244	rs10999720	A	G	-0.558	0.040	0.092	3.67E-44	-0.004	0.004	0.380	0.050	194.189	TRUE	1.60E-42
FEV1	UNC5B	cg04269057	rs827276	T	C	0.225	0.037	0.108	1.54E-09	-0.008	0.004	0.024	0.010	36.468	TRUE	7.24E-09
FEV1	UNC5B	cg08539872	rs80017311	C	G	0.670	0.042	0.089	2.00E-58	0.005	0.004	0.224	0.066	259.550	TRUE	8.65E-56
FEV1	UNC5B	cg08539872	rs879279	A	C	-0.250	0.026	0.287	1.34E-21	-0.008	0.003	0.001	0.024	91.096	TRUE	5.61E-20
FEV1	UNC5B	cg08905239	rs10999725	G	C	-0.556	0.040	0.090	4.55E-43	-0.003	0.004	0.388	0.049	189.185	TRUE	1.70E-41
FEV1	UNC5B	cg08905239	rs2153712	G	A	0.513	0.025	0.286	1.86E-92	0.000	0.003	0.999	0.101	415.719	TRUE	2.20E-88
FEV1	UNC5B	cg08905239	rs4345888	G	A	0.309	0.029	0.192	7.96E-26	0.001	0.003	0.730	0.029	110.352	TRUE	3.36E-25
FEV1	UNC5B	cg11224737	rs10999741	A	G	0.252	0.026	0.285	1.31E-22	-0.008	0.003	0.002	0.025	95.689	TRUE	5.65E-21
FEV1	UNC5B	cg17477835	rs6480504	A	G	0.397	0.046	0.064	7.52E-18	-0.002	0.005	0.699	0.020	74.034	TRUE	1.90E-17
FEV1	UNC5B	cg17477835	rs71477537	T	C	0.278	0.050	0.050	3.11E-08	0.007	0.005	0.190	0.008	30.621	TRUE	7.74E-08
FEV1	UNC5B	cg18317005	rs10400016	G	A	-0.349	0.023	0.432	4.60E-51	0.002	0.002	0.521	0.058	225.811	TRUE	3.17E-49
FEV1	UNC5B	cg18317005	rs12767939	C	G	0.205	0.024	0.371	4.57E-17	-0.007	0.002	0.005	0.019	70.477	TRUE	8.02E-16
FEV1	UNC5B	cg18317005	rs2394789	G	A	-0.548	0.048	0.060	8.46E-30	-0.002	0.005	0.688	0.034	128.491	TRUE	5.15E-29
FEV1	UNC5B	cg18317005	rs35462186	T	G	-0.325	0.054	0.046	2.39E-09	0.005	0.005	0.366	0.010	35.606	TRUE	5.13E-09
FEV1	UNC5B	cg18317005	rs56275535	T	C	-0.286	0.034	0.142	1.48E-17	-0.002	0.003	0.477	0.019	72.696	TRUE	4.91E-17
FEV1	UNC5B	cg19673155	rs1124397	C	T	-0.224	0.026	0.315	1.87E-18	-0.009	0.003	5.26E-04	0.020	76.778	TRUE	6.38E-17
FEV1	UNC5B	cg23622162	rs10400146	T	C	-0.412	0.030	0.185	6.88E-43	0.003	0.003	0.297	0.048	188.364	TRUE	3.32E-41
FEV1	UNC5B	cg23622162	rs10823707	G	T	0.187	0.023	0.464	1.48E-15	-0.006	0.002	0.014	0.017	63.627	TRUE	1.53E-14
FEV1	UNC5B	cg23622162	rs12357498	T	C	0.159	0.029	0.197	4.65E-08	0.001	0.003	0.854	0.008	29.841	TRUE	6.29E-08
FEV1	UNC5B	cg23622162	rs13419	G	A	-0.987	0.021	0.273	<1E-200	0.004	0.003	0.139	0.383	2294.710	TRUE	<1E-200
FEV1	UNC5B	cg23622162	rs16928669	G	A	1.683	0.061	0.033	9.90E-168	-0.007	0.007	0.331	0.171	761.581	TRUE	7.65E-155
FEV1	UNC5B	cg23622162	rs2066210	G	A	0.373	0.044	0.151	4.32E-17	0.007	0.003	0.039	0.019	70.587	TRUE	4.01E-16
FEV1	UNC5B	cg23622162	rs2487068	A	G	0.207	0.036	0.119	1.35E-08	-0.001	0.004	0.778	0.009	32.245	TRUE	1.94E-08
FEV1	UNC5B	cg23622162	rs4381296	A	T	-0.212	0.024	0.347	3.29E-18	0.003	0.003	0.284	0.020	75.666	TRUE	1.53E-17
FEV1	UNC5B	cg23622162	rs74147806	G	C	0.612	0.042	0.082	1.03E-48	-0.002	0.004	0.704	0.055	215.038	TRUE	3.79E-47
FEV1	UNC5B	cg23622162	rs77618593	T	C	-0.675	0.112	0.024	1.55E-09	0.005	0.007	0.440	0.010	36.449	TRUE	3.12E-09
FEV1	UNC5B	cg23622162	rs7897039	G	T	-0.187	0.026	0.282	8.46E-13	-0.002	0.003	0.535	0.014	51.144	TRUE	1.91E-12
FEV1	UNC5B	cg23622162	rs809691	A	T	0.162	0.025	0.360	4.69E-11	-0.001	0.002	0.694	0.012	43.277	TRUE	8.31E-11
FEV1	UNC5B	cg24839386	rs10823707	G	T	-0.220	0.023	0.464	6.85E-21	-0.006	0.002	0.014	0.023	87.862	TRUE	1.29E-19
FEV1	UNC5B	cg24839386	rs12355168	T	A	-0.659	0.042	0.086	4.88E-55	0.004	0.004	0.340	0.062	244.026	TRUE	9.17E-53
FEV1	UNC5B	cg24839386	rs7895359	A	G	0.175	0.031	0.174	1.64E-08	0.004	0.003	0.260	0.009	31.863	TRUE	3.76E-08
FEV1	UNC5B	cg26152017	rs10823707	G	T	-0.227	0.023	0.464	2.83E-22	-0.006	0.002	0.014	0.025	94.162	TRUE	6.23E-21
FEV1	UNC5B	cg26152017	rs12355168	T	A	-0.671	0.042	0.086	6.95E-57	0.004	0.004	0.340	0.064	252.490	TRUE	1.67E-54
FEV1	USP10	cg00304695	rs13331387	A	C	-0.787	0.027	0.194	3.32E-184	0.002	0.003	0.456	0.185	837.315	TRUE	2.25E-169
FEV1	USP10	cg00304695	rs16974449	A	C	0.261	0.024	0.339	1.25E-26	-0.005	0.003	0.046	0.030	114.021	TRUE	2.98E-25
FEV1	USP10	cg00304695	rs55976696	T	A	-0.280	0.024	0.397	9.07E-31	0.002	0.002	0.459	0.035	132.923	TRUE	8.77E-30
FEV1	USP10	cg00304695	rs7192280	A	C	-0.250	0.031	0.162	1.40E-15	-0.002	0.003	0.567	0.017	63.735	TRUE	3.57E-15
FEV1	USP10	cg00304695	rs8057721	C	A	0.157	0.024	0.431	4.96E-11	0.000	0.002	0.995	0.012	43.168	TRUE	6.73E-11
FEV1	USP10	cg01211097	rs13331387	A	C	0.572	0.030	0.194	5.81E-79	0.002	0.003	0.456	0.087	353.774	TRUE	2.57E-75
FEV1	USP10	cg01211097	rs1820246	C	T	-0.189	0.024	0.412	3.96E-15	0.003	0.002	0.240	0.016	61.684	TRUE	1.55E-14
FEV1	USP10	cg01211097	rs7192411	A	C	0.136	0.025	0.344	3.27E-08	0.000	0.003	0.925	0.008	30.526	TRUE	4.16E-08

FEV1	USP10	cg01647942	rs12597526	G	A	-0.146	0.026	0.272	3.26E-08	-0.001	0.003	0.816	0.008	30.531	TRUE	4.49E-08
FEV1	USP10	cg01647942	rs55638897	T	G	0.182	0.025	0.319	4.84E-13	-0.003	0.003	0.244	0.014	52.240	TRUE	1.60E-12
FEV1	USP10	cg01647942	rs6564069	T	A	-0.270	0.024	0.385	2.78E-29	0.003	0.002	0.312	0.033	126.131	TRUE	3.22E-28
FEV1	USP10	cg01647942	rs7197496	G	A	0.430	0.025	0.290	1.28E-64	-0.006	0.003	0.024	0.072	287.953	TRUE	7.55E-61
FEV1	USP10	cg02235941	rs1820246	C	T	-0.195	0.024	0.412	5.14E-16	0.003	0.002	0.240	0.017	65.708	TRUE	2.15E-15
FEV1	USP10	cg02833172	rs11862543	A	G	0.373	0.047	0.064	1.34E-15	0.000	0.005	0.941	0.017	63.817	TRUE	2.34E-15
FEV1	USP10	cg02833172	rs7202832	T	C	0.275	0.024	0.474	1.60E-31	0.004	0.002	0.118	0.036	136.370	TRUE	4.26E-30
FEV1	USP10	cg02967198	rs11149677	G	C	0.216	0.026	0.258	1.44E-16	-0.006	0.003	0.023	0.018	68.214	TRUE	1.43E-15
FEV1	USP10	cg02967198	rs6564072	G	C	0.191	0.030	0.175	1.15E-10	0.000	0.003	0.933	0.011	41.526	TRUE	1.64E-10
FEV1	USP10	cg02967198	rs78866288	T	C	0.254	0.043	0.081	2.66E-09	0.002	0.004	0.577	0.009	35.395	TRUE	4.64E-09
FEV1	USP10	cg02967198	rs8061015	G	A	-0.269	0.044	0.069	1.23E-09	-0.001	0.004	0.901	0.010	36.906	TRUE	1.69E-09
FEV1	USP10	cg04431002	rs11642656	G	A	-0.412	0.024	0.383	2.86E-68	0.001	0.002	0.636	0.076	304.707	TRUE	1.50E-65
FEV1	USP10	cg04431002	rs193446	A	G	-0.171	0.024	0.493	4.08E-13	0.000	0.002	0.972	0.014	52.576	TRUE	6.22E-13
FEV1	USP10	cg04431002	rs6564068	C	T	-0.136	0.025	0.338	4.85E-08	0.001	0.003	0.850	0.008	29.760	TRUE	6.52E-08
FEV1	USP10	cg04431002	rs74029976	T	G	-0.397	0.054	0.049	2.57E-13	0.010	0.006	0.075	0.014	53.482	TRUE	1.33E-12
FEV1	USP10	cg05298510	rs35594082	C	A	-0.173	0.026	0.272	4.12E-11	-0.005	0.003	0.083	0.012	43.530	TRUE	1.65E-10
FEV1	USP10	cg05298510	rs74032918	G	A	-0.472	0.078	0.061	1.75E-09	0.006	0.005	0.267	0.010	36.217	TRUE	4.29E-09
FEV1	USP10	cg05298510	rs8044259	G	A	0.308	0.024	0.464	7.22E-39	0.005	0.002	0.035	0.044	169.957	TRUE	7.79E-37
FEV1	USP10	cg05468171	rs12929017	G	T	-0.140	0.026	0.309	4.74E-08	0.001	0.003	0.627	0.008	29.802	TRUE	7.44E-08
FEV1	USP10	cg05468171	rs13331387	A	C	0.724	0.030	0.194	4.56E-130	0.002	0.003	0.456	0.137	588.489	TRUE	7.22E-122
FEV1	USP10	cg05468171	rs16974449	A	C	-0.252	0.024	0.339	6.86E-25	-0.005	0.003	0.046	0.028	106.086	TRUE	1.36E-23
FEV1	USP10	cg05468171	rs57802612	T	C	0.245	0.031	0.162	5.35E-15	-0.002	0.003	0.567	0.016	61.095	TRUE	1.32E-14
FEV1	USP10	cg05468171	rs7203065	T	G	0.238	0.024	0.396	1.39E-22	0.002	0.002	0.459	0.025	95.577	TRUE	6.78E-22
FEV1	USP10	cg07647771	rs11149680	T	C	0.537	0.027	0.218	2.83E-87	0.003	0.003	0.318	0.096	391.931	TRUE	8.60E-83
FEV1	USP10	cg07647771	rs117905384	C	G	-0.633	0.092	0.015	5.90E-12	-0.007	0.011	0.507	0.013	47.338	TRUE	1.29E-11
FEV1	USP10	cg07647771	rs12051468	G	A	0.151	0.024	0.435	1.51E-10	0.001	0.002	0.748	0.011	40.997	TRUE	2.47E-10
FEV1	USP10	cg07647771	rs140117492	G	A	-0.716	0.114	0.013	2.90E-10	0.001	0.010	0.934	0.011	39.717	TRUE	4.02E-10
FEV1	USP10	cg07647771	rs142262771	G	C	-0.632	0.098	0.014	9.63E-11	-0.022	0.009	0.016	0.011	41.872	TRUE	5.74E-10
FEV1	USP10	cg07647771	rs4782660	C	T	-0.285	0.027	0.252	1.58E-26	-0.005	0.003	0.090	0.030	113.556	TRUE	2.70E-25
FEV1	USP10	cg07647771	rs4783059	G	T	0.179	0.028	0.212	2.81E-10	0.003	0.003	0.360	0.011	39.778	TRUE	6.54E-10
FEV1	USP10	cg07647771	rs55638897	T	G	-0.276	0.025	0.319	4.13E-28	-0.003	0.003	0.244	0.032	120.780	TRUE	4.85E-27
FEV1	USP10	cg07647771	rs62048813	G	C	-1.187	0.019	0.233	<1E-200	-0.009	0.003	0.002	0.507	3801.918	TRUE	<1E-200
FEV1	USP10	cg07647771	rs7192411	A	C	0.172	0.025	0.344	3.10E-12	0.000	0.003	0.925	0.013	48.598	TRUE	4.66E-12
FEV1	USP10	cg07647771	rs8044808	C	T	0.622	0.031	0.169	3.08E-92	0.003	0.003	0.414	0.101	414.716	TRUE	1.63E-87
FEV1	USP10	cg07795346	rs7197843	C	T	0.146	0.023	0.442	4.48E-10	-0.005	0.002	0.042	0.010	38.871	TRUE	1.94E-09
FEV1	USP10	cg08126789	rs35307127	C	T	-0.169	0.026	0.270	9.42E-11	-0.005	0.003	0.083	0.011	41.917	TRUE	3.64E-10
FEV1	USP10	cg08991234	rs11645545	A	G	0.233	0.038	0.379	1.28E-09	-0.001	0.002	0.686	0.010	36.820	TRUE	2.11E-09
FEV1	USP10	cg08991234	rs28619515	A	C	0.287	0.031	0.161	3.94E-20	-0.002	0.003	0.582	0.022	84.405	TRUE	1.34E-19
FEV1	USP10	cg08991234	rs3764286	C	T	0.298	0.035	0.272	2.31E-17	0.001	0.003	0.722	0.019	71.824	TRUE	5.65E-17
FEV1	USP10	cg08991234	rs4783099	T	C	0.155	0.024	0.370	2.20E-10	0.003	0.002	0.278	0.011	40.254	TRUE	5.81E-10
FEV1	USP10	cg08991234	rs77083412	T	C	0.732	0.117	0.025	3.58E-10	-0.021	0.008	0.005	0.011	39.307	TRUE	2.48E-09
FEV1	USP10	cg08991234	rs774302	C	T	0.544	0.037	0.216	3.43E-49	0.000	0.003	0.955	0.055	217.228	TRUE	8.67E-48

FEV1	USP10	cg08991234	rs774318	A	G	0.135	0.023	0.479	9.30E-09	-0.001	0.002	0.754	0.009	32.965	TRUE	1.36E-08
FEV1	USP10	cg09565226	rs12929017	G	T	0.145	0.026	0.309	1.41E-08	0.001	0.003	0.627	0.009	32.160	TRUE	2.27E-08
FEV1	USP10	cg09565226	rs4783059	G	T	-0.209	0.028	0.212	1.46E-13	0.003	0.003	0.360	0.015	54.597	TRUE	4.26E-13
FEV1	USP10	cg09565226	rs78729263	C	G	-0.334	0.041	0.097	3.60E-16	0.003	0.004	0.472	0.018	66.409	TRUE	1.09E-15
FEV1	USP10	cg09565226	rs8052070	T	C	0.440	0.024	0.410	6.01E-78	0.003	0.002	0.236	0.086	349.114	TRUE	4.81E-74
FEV1	USP10	cg09565226	rs8060725	A	C	-0.164	0.027	0.262	7.15E-10	-0.001	0.003	0.653	0.010	37.959	TRUE	1.21E-09
FEV1	USP10	cg26562921	rs11644667	G	C	-0.159	0.025	0.320	2.73E-10	-0.003	0.003	0.270	0.011	39.840	TRUE	7.11E-10
FEV1	USP10	cg26562921	rs2326396	C	T	-0.164	0.026	0.283	2.11E-10	-0.002	0.003	0.403	0.011	40.343	TRUE	4.69E-10
FEV1	USP10	cg26562921	rs28540747	A	G	-0.157	0.027	0.253	6.04E-09	-0.002	0.003	0.532	0.009	33.803	TRUE	1.08E-08
FEV1	USP10	cg26562921	rs35307127	C	T	-0.170	0.026	0.270	1.02E-10	-0.005	0.003	0.083	0.011	41.765	TRUE	3.93E-10
FEV1	USP10	cg26562921	rs62048855	T	C	0.395	0.024	0.412	6.88E-62	0.003	0.002	0.200	0.069	275.438	TRUE	5.05E-59
FEV1	USP13	cg05726764	rs1012873	C	G	-0.672	0.053	0.053	1.51E-37	-0.011	0.005	0.027	0.042	163.918	TRUE	1.58E-35
FEV1	USP13	cg05726764	rs115344509	G	A	-0.846	0.071	0.025	1.70E-32	-0.021	0.006	0.001	0.037	140.810	TRUE	3.12E-30
FEV1	USP13	cg05726764	rs116581660	C	T	-0.692	0.074	0.023	6.45E-21	-0.002	0.007	0.737	0.023	87.983	TRUE	1.91E-20
FEV1	USP13	cg05726764	rs142451641	A	G	-0.544	0.080	0.022	1.03E-11	-0.021	0.008	0.012	0.012	46.248	TRUE	7.26E-11
FEV1	USP13	cg05726764	rs1561843	C	T	-0.996	0.020	0.284	<1E-200	-0.009	0.003	9.62E-04	0.404	2510.793	TRUE	<1E-200
FEV1	USP13	cg05726764	rs1568554	T	C	0.166	0.025	0.351	3.53E-11	0.003	0.003	0.261	0.012	43.835	TRUE	9.84E-11
FEV1	USP13	cg05726764	rs17692126	C	T	0.219	0.031	0.175	2.89E-12	0.007	0.003	0.018	0.013	48.733	TRUE	2.02E-11
FEV1	USP13	cg05726764	rs4855102	A	G	0.282	0.024	0.408	5.44E-32	0.002	0.002	0.504	0.036	138.506	TRUE	5.36E-31
FEV1	USP13	cg05726764	rs4855112	A	G	0.293	0.023	0.461	2.23E-36	0.004	0.002	0.099	0.041	158.568	TRUE	1.03E-34
FEV1	USP13	cg05726764	rs4855113	A	G	-0.220	0.024	0.472	2.74E-20	-0.002	0.002	0.311	0.022	85.125	TRUE	1.40E-19
FEV1	USP13	cg05726764	rs56254528	T	C	0.422	0.044	0.078	7.22E-22	-0.003	0.004	0.492	0.024	92.312	TRUE	3.21E-21
FEV1	USP13	cg05726764	rs61760203	T	C	-0.878	0.149	0.014	3.57E-09	0.010	0.010	0.331	0.009	34.826	TRUE	7.91E-09
FEV1	USP13	cg05726764	rs62291562	C	G	-0.446	0.075	0.050	2.72E-09	-0.003	0.005	0.628	0.009	35.354	TRUE	4.56E-09
FEV1	USP13	cg05726764	rs6770285	G	C	-0.275	0.039	0.104	1.33E-12	0.003	0.004	0.522	0.013	50.252	TRUE	2.99E-12
FEV1	USP13	cg05726764	rs77294130	T	C	-0.496	0.065	0.036	2.92E-14	-0.003	0.006	0.671	0.015	57.759	TRUE	6.22E-14
FEV1	USP13	cg05726764	rs78811655	C	A	-0.893	0.157	0.014	1.42E-08	-0.004	0.012	0.716	0.009	32.140	TRUE	2.15E-08
FEV1	USP13	cg05726764	rs9838032	T	A	-0.527	0.046	0.064	2.63E-30	-0.004	0.005	0.454	0.034	130.811	TRUE	2.41E-29
FEV1	USP21	cg01447427	rs78498753	C	T	-0.560	0.078	0.027	7.93E-13	-0.024	0.009	0.004	0.014	51.272	TRUE	7.98E-12
FEV1	USP21	cg08535938	rs79170999	G	T	0.734	0.078	0.027	4.54E-21	-0.025	0.009	0.003	0.023	88.677	TRUE	1.35E-19
FEV1	USP36	cg00945209	rs111356746	G	T	-0.275	0.046	0.067	3.10E-09	-0.005	0.005	0.258	0.009	35.100	TRUE	7.49E-09
FEV1	USP36	cg00945209	rs34099527	C	G	-0.399	0.051	0.056	6.11E-15	-0.010	0.005	0.043	0.016	60.834	TRUE	4.48E-14
FEV1	USP36	cg00945209	rs3744800	G	A	-0.314	0.024	0.435	2.69E-40	-0.005	0.002	0.035	0.046	176.498	TRUE	3.46E-38
FEV1	USP36	cg00945209	rs62075637	C	G	0.167	0.030	0.185	2.61E-08	-0.001	0.003	0.814	0.008	30.958	TRUE	3.64E-08
FEV1	USP36	cg00945209	rs7502935	A	G	0.161	0.026	0.318	3.40E-10	0.002	0.003	0.534	0.011	39.407	TRUE	6.59E-10
FEV1	USP36	cg01449677	rs3744799	T	C	-0.184	0.023	0.434	3.45E-15	-0.005	0.002	0.034	0.016	61.958	TRUE	2.68E-14
FEV1	USP36	cg05380734	rs11077400	G	A	0.258	0.028	0.231	1.52E-20	-0.010	0.003	2.67E-04	0.023	86.292	TRUE	7.53E-19
FEV1	USP36	cg05380734	rs12453433	A	G	-0.155	0.025	0.340	4.78E-10	0.004	0.003	0.150	0.010	38.746	TRUE	1.48E-09
FEV1	USP36	cg05380734	rs147280325	A	G	0.736	0.115	0.011	1.46E-10	-0.018	0.012	0.124	0.011	41.058	TRUE	5.01E-10
FEV1	USP36	cg05380734	rs2054624	T	C	-0.221	0.031	0.194	5.90E-13	-0.002	0.003	0.539	0.014	51.851	TRUE	1.35E-12
FEV1	USP36	cg05380734	rs35273233	A	G	0.521	0.030	0.182	2.44E-68	0.001	0.003	0.653	0.076	305.026	TRUE	1.24E-65
FEV1	USP36	cg05380734	rs7221314	G	A	-0.236	0.025	0.308	5.85E-21	0.005	0.003	0.042	0.023	88.173	TRUE	7.96E-20

FEV1	USP36	cg06146665	rs10852713	G	A	-0.308	0.023	0.499	1.76E-39	-0.002	0.002	0.370	0.045	172.766	TRUE	4.59E-38
FEV1	USP36	cg06146665	rs112214887	G	A	0.473	0.030	0.194	9.86E-58	0.001	0.003	0.727	0.065	256.378	TRUE	1.03E-55
FEV1	USP36	cg06146665	rs113712972	A	G	-0.512	0.065	0.036	3.85E-15	-0.006	0.006	0.299	0.016	61.741	TRUE	1.38E-14
FEV1	USP36	cg06146665	rs11652571	T	G	-0.176	0.029	0.211	1.31E-09	-0.003	0.003	0.382	0.010	36.779	TRUE	2.79E-09
FEV1	USP36	cg06146665	rs117389925	A	G	-0.550	0.076	0.025	3.78E-13	-0.006	0.008	0.449	0.014	52.727	TRUE	9.48E-13
FEV1	USP36	cg06146665	rs147280325	A	G	1.009	0.115	0.011	1.23E-18	-0.018	0.012	0.124	0.021	77.607	TRUE	8.65E-18
FEV1	USP36	cg06146665	rs150762586	T	C	-0.833	0.103	0.015	6.35E-16	-0.015	0.011	0.169	0.017	65.289	TRUE	3.09E-15
FEV1	USP36	cg06146665	rs2054624	T	C	-0.817	0.029	0.194	1.71E-171	-0.002	0.003	0.539	0.174	778.880	TRUE	1.72E-158
FEV1	USP36	cg06146665	rs57556322	G	A	-0.154	0.028	0.237	2.15E-08	0.000	0.003	0.913	0.008	31.340	TRUE	2.80E-08
FEV1	USP36	cg06146665	rs71385991	C	T	-0.755	0.074	0.022	1.45E-24	-0.007	0.007	0.363	0.028	104.608	TRUE	9.62E-24
FEV1	USP36	cg06146665	rs72849504	T	C	0.330	0.046	0.165	1.26E-12	0.004	0.003	0.221	0.013	50.357	TRUE	4.18E-12
FEV1	USP36	cg06146665	rs931226	T	C	0.306	0.055	0.050	2.01E-08	0.003	0.005	0.563	0.008	31.464	TRUE	3.39E-08
FEV1	USP36	cg06146665	rs9912418	C	T	0.208	0.024	0.385	7.13E-18	0.003	0.002	0.208	0.020	74.139	TRUE	3.84E-17
FEV1	USP36	cg07385573	rs3744802	G	A	-0.302	0.023	0.461	2.43E-38	-0.006	0.002	0.018	0.043	167.546	TRUE	3.16E-36
FEV1	USP36	cg07385573	rs58951893	G	A	0.179	0.028	0.214	2.52E-10	0.000	0.003	0.951	0.011	39.997	TRUE	3.47E-10
FEV1	USP36	cg07385573	rs7502935	A	G	0.147	0.026	0.318	8.87E-09	0.002	0.003	0.534	0.009	33.056	TRUE	1.58E-08
FEV1	USP36	cg10256330	rs11077397	C	T	-0.365	0.023	0.488	9.63E-56	-0.006	0.002	0.019	0.063	247.255	TRUE	1.60E-52
FEV1	USP36	cg10256330	rs111356746	G	T	-0.290	0.046	0.067	3.97E-10	-0.005	0.005	0.258	0.010	39.108	TRUE	1.02E-09
FEV1	USP36	cg10256330	rs12952382	G	T	-0.182	0.024	0.384	1.05E-13	-0.002	0.002	0.475	0.015	55.250	TRUE	2.63E-13
FEV1	USP36	cg10256330	rs2003241	C	T	-0.276	0.042	0.083	4.99E-11	0.004	0.004	0.365	0.012	43.158	TRUE	1.20E-10
FEV1	USP36	cg10256330	rs34695023	T	A	-0.349	0.051	0.056	7.25E-12	-0.009	0.005	0.052	0.013	46.934	TRUE	3.67E-11
FEV1	USP36	cg15465367	rs12604076	T	C	0.423	0.023	0.485	6.36E-76	-0.006	0.002	0.016	0.084	339.822	TRUE	3.20E-71
FEV1	USP36	cg15465367	rs12949048	A	G	-0.162	0.025	0.339	9.12E-11	0.003	0.003	0.292	0.011	41.979	TRUE	2.35E-10
FEV1	USP36	cg15465367	rs55666909	C	G	0.329	0.047	0.075	1.72E-12	0.005	0.005	0.225	0.013	49.755	TRUE	5.58E-12
FEV1	USP36	cg17278466	rs12604076	T	C	0.357	0.023	0.485	6.30E-54	-0.006	0.002	0.016	0.061	238.934	TRUE	8.47E-51
FEV1	USP36	cg17278466	rs12948478	G	A	-0.141	0.025	0.347	1.33E-08	0.002	0.003	0.340	0.009	32.275	TRUE	2.79E-08
FEV1	USP36	cg17910470	rs2003241	C	T	0.244	0.042	0.083	6.34E-09	0.004	0.004	0.365	0.009	33.709	TRUE	1.32E-08
FEV1	USP36	cg17910470	rs4796817	T	C	0.325	0.038	0.216	2.03E-17	-0.006	0.003	0.048	0.019	72.073	TRUE	1.86E-16
FEV1	USP36	cg17910470	rs55925734	T	C	-0.171	0.031	0.183	3.23E-08	0.000	0.003	0.921	0.008	30.545	TRUE	4.16E-08
FEV1	USP36	cg19024575	rs9900681	A	C	-0.146	0.023	0.462	4.69E-10	-0.005	0.002	0.027	0.010	38.780	TRUE	2.23E-09
FEV1	USP36	cg20126656	rs111356746	G	T	-0.333	0.046	0.067	6.70E-13	-0.005	0.005	0.258	0.014	51.603	TRUE	2.13E-12
FEV1	USP36	cg20126656	rs3088040	T	C	-0.410	0.023	0.461	1.22E-69	-0.005	0.002	0.033	0.078	310.999	TRUE	1.14E-65
FEV1	USP36	cg20126656	rs34099527	C	G	-0.421	0.051	0.056	1.92E-16	-0.010	0.005	0.043	0.018	67.651	TRUE	1.64E-15
FEV1	USP36	cg20126656	rs7502935	A	G	0.174	0.026	0.318	1.21E-11	0.002	0.003	0.534	0.012	45.924	TRUE	2.57E-11
FEV1	USP36	cg20126656	rs931226	T	C	-0.334	0.054	0.050	8.98E-10	0.003	0.005	0.563	0.010	37.515	TRUE	1.63E-09
FEV1	USP36	cg21840211	rs2376827	C	T	-0.177	0.032	0.160	2.39E-08	0.005	0.003	0.093	0.008	31.130	TRUE	7.29E-08
FEV1	USP36	cg23797032	rs3744801	G	A	-0.145	0.023	0.437	6.77E-10	-0.005	0.002	0.036	0.010	38.064	TRUE	3.02E-09
FEV1	USP36	cg23834688	rs11077399	A	G	0.163	0.026	0.297	1.60E-10	-0.007	0.003	0.010	0.011	40.881	TRUE	1.03E-09
FEV1	USP36	cg23834688	rs111356746	G	T	0.285	0.046	0.067	7.22E-10	-0.005	0.005	0.258	0.010	37.940	TRUE	1.83E-09
FEV1	USP36	cg23834688	rs11650046	C	A	0.522	0.023	0.487	6.12E-117	-0.006	0.002	0.015	0.125	528.174	TRUE	1.85E-108
FEV1	USP36	cg23834688	rs12453433	A	G	-0.181	0.025	0.340	2.99E-13	0.004	0.003	0.150	0.014	53.187	TRUE	1.22E-12
FEV1	USP36	cg23834688	rs12952382	G	T	0.183	0.024	0.384	6.26E-14	-0.002	0.002	0.475	0.015	56.256	TRUE	1.60E-13

FEV1	USP36	cg23834688	rs35768823	A	G	0.353	0.062	0.043	1.11E-08	-0.006	0.006	0.288	0.009	32.624	TRUE	2.49E-08
FEV1	USP36	cg23834688	rs55666909	C	G	0.318	0.047	0.075	9.68E-12	0.005	0.005	0.225	0.012	46.367	TRUE	2.97E-11
FEV1	USP36	cg24759654	rs2279308	A	G	-0.209	0.024	0.435	1.20E-18	-0.005	0.002	0.036	0.021	77.652	TRUE	1.34E-17
FEV1	USP36	cg27578381	rs11077400	G	A	0.212	0.028	0.231	2.77E-14	-0.010	0.003	2.67E-04	0.015	57.857	TRUE	5.69E-13
FEV1	USP36	cg27578381	rs113048877	C	G	-0.219	0.027	0.276	1.76E-16	-0.002	0.003	0.474	0.018	67.823	TRUE	5.30E-16
FEV1	USP36	cg27578381	rs12949048	A	G	-0.196	0.025	0.339	4.65E-15	0.003	0.003	0.292	0.016	61.372	TRUE	1.64E-14
FEV1	USP36	cg27578381	rs62075631	T	C	0.717	0.029	0.184	3.25E-133	0.001	0.003	0.636	0.140	602.950	TRUE	6.08E-125
FEV1	USP47	cg01298758	rs4910415	G	A	0.156	0.024	0.418	4.13E-11	-0.002	0.002	0.366	0.012	43.527	TRUE	9.82E-11
FEV1	USP47	cg01298758	rs72854884	A	T	-0.556	0.032	0.158	1.24E-68	-0.004	0.003	0.265	0.076	306.369	TRUE	2.05E-65
FEV1	USP47	cg01298758	rs72857644	T	A	-0.176	0.032	0.165	2.96E-08	-0.001	0.003	0.723	0.008	30.715	TRUE	4.39E-08
FEV1	USP47	cg01298758	rs7949993	A	G	0.166	0.030	0.180	4.23E-08	0.006	0.003	0.053	0.008	30.026	TRUE	1.43E-07
FEV1	USP47	cg01298758	rs7951773	A	G	0.255	0.026	0.284	1.11E-22	0.009	0.003	2.04E-04	0.025	96.008	TRUE	8.72E-21
FEV1	USP47	cg02501827	rs11022098	T	C	0.217	0.025	0.334	3.56E-18	-0.008	0.003	0.003	0.020	75.512	TRUE	7.92E-17
FEV1	USP47	cg02501827	rs145613354	A	G	-0.868	0.111	0.020	5.34E-15	0.002	0.009	0.837	0.016	61.098	TRUE	1.01E-14
FEV1	USP47	cg02501827	rs16910208	T	G	-0.964	0.029	0.158	9.28E-249	-0.003	0.003	0.280	0.235	1134.132	TRUE	2.36E-223
FEV1	USP47	cg02501827	rs4910415	G	A	0.279	0.024	0.418	1.80E-32	-0.002	0.002	0.366	0.037	140.700	TRUE	2.34E-31
FEV1	USP47	cg02501827	rs7122133	T	C	0.129	0.023	0.440	4.03E-08	0.004	0.002	0.080	0.008	30.117	TRUE	1.22E-07
FEV1	USP47	cg02501827	rs7949993	A	G	0.245	0.030	0.180	6.57E-16	0.006	0.003	0.053	0.017	65.225	TRUE	4.89E-15
FEV1	USP47	cg08496387	rs10831676	C	A	-0.282	0.023	0.467	1.71E-33	0.002	0.002	0.442	0.038	145.372	TRUE	2.21E-32
FEV1	USP47	cg08496387	rs7122133	T	C	0.138	0.023	0.440	3.78E-09	0.004	0.002	0.080	0.009	34.713	TRUE	1.26E-08
FEV1	USP47	cg08496387	rs7124322	T	C	0.213	0.028	0.213	1.80E-14	0.007	0.003	0.018	0.016	58.703	TRUE	1.57E-13
FEV1	USP47	cg12492653	rs10765885	T	C	0.189	0.029	0.209	4.35E-11	0.006	0.003	0.043	0.012	43.426	TRUE	2.14E-10
FEV1	USP47	cg12492653	rs12225713	C	A	0.199	0.029	0.203	6.28E-12	0.008	0.003	0.006	0.013	47.214	TRUE	5.34E-11
FEV1	USP47	cg12492653	rs139167810	T	G	-0.698	0.105	0.011	2.86E-11	-0.001	0.009	0.960	0.012	44.247	TRUE	4.05E-11
FEV1	USP47	cg12492653	rs145613354	A	G	-0.901	0.111	0.020	4.07E-16	0.002	0.009	0.837	0.018	66.167	TRUE	8.15E-16
FEV1	USP47	cg12492653	rs17446126	C	G	-0.295	0.052	0.049	1.73E-08	0.008	0.005	0.131	0.009	31.763	TRUE	4.82E-08
FEV1	USP47	cg12492653	rs7109675	G	A	0.276	0.027	0.245	9.59E-25	0.006	0.003	0.028	0.028	105.421	TRUE	2.22E-23
FEV1	USP47	cg12492653	rs72856331	A	G	-1.043	0.028	0.157	2.60E-301	-0.003	0.003	0.343	0.271	1375.824	TRUE	3.73E-266
FEV1	USP47	cg12492653	rs7935751	C	T	0.291	0.025	0.341	3.98E-32	-0.009	0.003	2.76E-04	0.036	139.127	TRUE	1.01E-29
FEV1	USP47	cg20728419	rs768807	T	G	-0.140	0.025	0.316	1.80E-08	-0.007	0.003	0.005	0.008	31.679	TRUE	1.03E-07
FEV1	USP47	cg20781421	rs7108586	T	C	-0.216	0.025	0.317	7.18E-18	-0.007	0.003	0.005	0.020	74.125	TRUE	1.35E-16
FEV1	USP47	cg24383467	rs11021995	C	T	-0.161	0.027	0.247	2.11E-09	-0.004	0.003	0.165	0.010	35.848	TRUE	5.95E-09
FEV1	USP47	cg24383467	rs11022020	T	C	0.194	0.031	0.167	3.63E-10	0.000	0.003	0.908	0.011	39.281	TRUE	5.15E-10
FEV1	USP47	cg24383467	rs12225759	A	G	0.218	0.026	0.268	1.62E-16	-0.002	0.003	0.414	0.018	67.986	TRUE	5.31E-16
FEV1	USP47	cg24383467	rs6485214	A	G	0.213	0.030	0.184	7.46E-13	0.007	0.003	0.011	0.014	51.393	TRUE	6.22E-12
FEV1	USP47	cg24383467	rs6485256	G	A	0.297	0.030	0.193	3.14E-23	0.004	0.003	0.182	0.026	98.517	TRUE	2.79E-22
FEV1	USP47	cg24383467	rs72857612	A	C	0.214	0.032	0.162	1.47E-11	-0.003	0.003	0.347	0.012	45.543	TRUE	3.76E-11
FEV1	USP47	cg24383467	rs7479970	A	G	0.309	0.030	0.181	2.15E-24	-0.002	0.003	0.436	0.027	103.823	TRUE	1.27E-23
FEV1	USP47	cg24383467	rs76777854	T	C	-0.546	0.082	0.023	3.44E-11	-0.009	0.009	0.312	0.012	43.883	TRUE	8.97E-11
FEV1	USP47	cg24383467	rs7926410	A	G	-0.658	0.024	0.307	3.70E-162	-0.009	0.003	3.44E-04	0.166	735.968	TRUE	4.22E-147
FEV1	USP47	cg24383467	rs7937815	G	A	-0.239	0.024	0.475	2.96E-24	-0.002	0.002	0.472	0.027	103.188	TRUE	1.64E-23
FEV1	VPS4A	cg00596184	rs11075703	G	A	-0.844	0.067	0.029	5.69E-36	-0.005	0.007	0.444	0.041	156.704	TRUE	9.20E-35

FEV1	VPS4A	cg00596184	rs112113281	T	C	-0.956	0.045	0.073	3.38E-101	0.009	0.005	0.056	0.110	455.864	TRUE	9.53E-95
FEV1	VPS4A	cg00596184	rs11641710	A	G	0.161	0.028	0.241	6.25E-09	0.005	0.003	0.050	0.009	33.737	TRUE	2.39E-08
FEV1	VPS4A	cg00596184	rs11644316	T	C	-0.425	0.024	0.420	6.88E-72	0.001	0.002	0.550	0.080	321.312	TRUE	7.61E-69
FEV1	VPS4A	cg00596184	rs117498338	A	C	-0.819	0.131	0.011	3.71E-10	-0.013	0.010	0.170	0.010	39.239	TRUE	1.11E-09
FEV1	VPS4A	cg00596184	rs117745253	G	A	0.482	0.079	0.028	1.11E-09	0.009	0.007	0.225	0.010	37.095	TRUE	2.94E-09
FEV1	VPS4A	cg00596184	rs117771346	T	C	-0.722	0.093	0.014	1.07E-14	0.003	0.008	0.706	0.016	59.734	TRUE	2.26E-14
FEV1	VPS4A	cg00596184	rs12149228	T	C	-0.192	0.031	0.162	6.83E-10	-0.013	0.003	3.27E-05	0.010	38.047	TRUE	9.64E-09
FEV1	VPS4A	cg00596184	rs12444344	G	A	0.332	0.037	0.115	4.53E-19	0.000	0.004	0.930	0.021	79.581	TRUE	9.61E-19
FEV1	VPS4A	cg00596184	rs146187919	T	C	0.427	0.049	0.050	5.65E-18	-0.006	0.005	0.211	0.020	74.601	TRUE	2.97E-17
FEV1	VPS4A	cg00596184	rs150492217	C	A	-0.411	0.059	0.042	2.51E-12	0.005	0.006	0.431	0.013	49.015	TRUE	6.07E-12
FEV1	VPS4A	cg00596184	rs16958736	T	C	0.358	0.039	0.093	3.98E-20	-0.005	0.004	0.246	0.022	84.387	TRUE	2.30E-19
FEV1	VPS4A	cg00596184	rs184558637	A	C	-0.974	0.076	0.021	1.33E-37	0.000	0.008	0.993	0.042	164.165	TRUE	1.00E-36
FEV1	VPS4A	cg00596184	rs2011779	G	A	-0.185	0.024	0.387	2.61E-14	0.000	0.002	0.865	0.015	57.975	TRUE	4.61E-14
FEV1	VPS4A	cg00596184	rs33965115	A	G	-0.490	0.050	0.056	6.45E-23	-0.010	0.005	0.032	0.026	97.090	TRUE	1.16E-21
FEV1	VPS4A	cg00596184	rs35828316	A	G	-0.323	0.043	0.079	4.72E-14	-0.007	0.004	0.085	0.015	56.814	TRUE	2.50E-13
FEV1	VPS4A	cg00596184	rs3759983	T	C	-0.909	0.022	0.272	<1E-200	-0.008	0.003	0.002	0.308	1647.452	TRUE	<1E-200
FEV1	VPS4A	cg00596184	rs3785076	G	A	0.424	0.059	0.038	5.73E-13	-0.010	0.006	0.097	0.014	51.908	TRUE	2.64E-12
FEV1	VPS4A	cg00596184	rs62052772	T	C	0.207	0.033	0.349	4.77E-10	0.003	0.003	0.211	0.010	38.750	TRUE	1.31E-09
FEV1	VPS4A	cg00596184	rs696585	G	A	0.284	0.026	0.283	4.13E-28	0.002	0.003	0.441	0.032	120.779	TRUE	3.23E-27
FEV1	VPS4A	cg00596184	rs7186727	G	A	0.331	0.034	0.132	8.62E-22	0.004	0.003	0.312	0.024	91.961	TRUE	5.12E-21
FEV1	VPS4A	cg00596184	rs72797195	G	A	0.319	0.026	0.286	1.56E-35	0.002	0.003	0.454	0.040	154.699	TRUE	2.41E-34
FEV1	VPS4A	cg00596184	rs75069063	A	G	-0.736	0.048	0.057	1.25E-53	-0.001	0.005	0.909	0.060	237.566	TRUE	5.65E-52
FEV1	VPS4A	cg00596184	rs8055800	T	C	0.338	0.044	0.078	8.01E-15	-0.001	0.004	0.761	0.016	60.301	TRUE	1.60E-14
FEV1	VPS4A	cg00596184	rs8056707	A	G	-0.345	0.054	0.048	1.92E-10	-0.005	0.005	0.395	0.011	40.526	TRUE	4.29E-10
FEV1	VPS4A	cg00596184	rs8061932	C	T	-0.402	0.032	0.145	5.69E-36	0.001	0.003	0.725	0.041	156.705	TRUE	5.53E-35
FEV1	VPS4A	cg00596184	rs9929584	C	T	-0.408	0.024	0.326	3.17E-62	-0.001	0.003	0.688	0.070	276.984	TRUE	6.46E-60
FEV1	VPS4A	cg01115243	rs138940898	A	G	0.377	0.064	0.032	4.84E-09	-0.009	0.006	0.143	0.009	34.233	TRUE	1.39E-08
FEV1	VPS4A	cg02825511	rs117281966	G	C	0.531	0.082	0.042	1.06E-10	-0.003	0.006	0.606	0.011	41.681	TRUE	1.96E-10
FEV1	VPS4A	cg02825511	rs34799636	C	A	0.255	0.030	0.177	2.60E-17	-0.008	0.003	0.012	0.019	71.586	TRUE	3.46E-16
FEV1	VPS4A	cg03174963	rs877534	A	C	0.171	0.025	0.317	5.81E-12	-0.004	0.003	0.119	0.013	47.367	TRUE	2.29E-11
FEV1	VPS4A	cg26468152	rs13339473	T	A	-0.197	0.025	0.309	1.48E-15	-0.005	0.003	0.072	0.017	63.627	TRUE	9.62E-15
FEV1	VPS4A	cg26979197	rs12708897	G	A	-0.337	0.025	0.321	3.41E-42	-0.004	0.003	0.134	0.048	185.181	TRUE	2.59E-40
FEV1	VPS4A	cg26979197	rs9923920	T	C	-0.233	0.040	0.094	5.25E-09	-0.013	0.004	0.001	0.009	34.075	TRUE	3.86E-08
FEV1	VPS4A	cg27620681	rs9924894	G	T	-0.161	0.026	0.262	8.15E-10	-0.002	0.003	0.459	0.010	37.703	TRUE	1.64E-09
FEV1	WAC	cg04045419	rs10826476	G	T	-0.187	0.025	0.298	5.15E-14	-0.005	0.003	0.073	0.015	56.641	TRUE	2.98E-13
FEV1	WAC	cg04045419	rs10826497	A	G	-0.161	0.027	0.255	1.25E-09	0.008	0.003	0.003	0.010	36.867	TRUE	8.94E-09
FEV1	WAC	cg04045419	rs12246494	C	T	-0.166	0.023	0.476	7.18E-13	0.001	0.002	0.730	0.014	51.468	TRUE	1.34E-12
FEV1	WAC	cg04045419	rs61848533	A	C	-0.168	0.027	0.255	2.73E-10	-0.004	0.003	0.174	0.011	39.841	TRUE	8.26E-10
FEV1	WAC	cg04045419	rs6481534	T	C	0.606	0.025	0.278	1.73E-128	-0.003	0.003	0.195	0.136	581.228	TRUE	6.20E-120
FEV1	WAC	cg05797732	rs11597279	G	T	-0.169	0.026	0.276	1.27E-10	-0.003	0.003	0.185	0.011	41.328	TRUE	3.82E-10
FEV1	WAC	cg24792245	rs11007134	C	T	-0.271	0.027	0.235	4.51E-23	-0.005	0.003	0.100	0.026	97.798	TRUE	5.29E-22
FEV1	WAC	cg24792245	rs2998286	T	C	0.385	0.027	0.230	3.04E-45	0.009	0.003	6.76E-04	0.051	199.142	TRUE	3.96E-42

FEV1	WAC	cg24792245	rs7070703	C	T	-0.148	0.023	0.470	1.36E-10	-0.005	0.002	0.023	0.011	41.205	TRUE	7.44E-10
FEV1	WAC	cg25656514	rs332135	G	A	-0.193	0.029	0.196	1.38E-11	-0.008	0.003	0.011	0.012	45.666	TRUE	9.83E-11
FEV1	WBP2	cg12884495	rs2244377	A	G	0.139	0.024	0.350	1.13E-08	0.004	0.003	0.162	0.009	32.589	TRUE	3.03E-08
FEV1	WBP2	cg12884495	rs79359749	A	G	0.653	0.093	0.018	2.20E-12	-0.011	0.008	0.200	0.013	49.272	TRUE	7.50E-12
FEV1	WBP2	cg12884495	rs9903200	A	G	0.329	0.026	0.300	2.33E-37	0.007	0.003	0.008	0.042	163.050	TRUE	4.13E-35
FEV1	WDR20	cg18412984	rs62008764	G	A	-0.139	0.024	0.348	1.09E-08	0.002	0.003	0.437	0.009	32.649	TRUE	2.07E-08
FEV1	WDR20	cg18412984	rs77332569	C	T	-0.582	0.050	0.057	9.10E-32	0.015	0.005	0.004	0.036	137.484	TRUE	1.03E-29
FEV1	WIPI2	cg00393985	rs10081294	G	A	0.271	0.024	0.402	9.14E-30	0.000	0.002	0.884	0.034	128.337	TRUE	4.32E-29
FEV1	WIPI2	cg00393985	rs11761408	C	A	0.876	0.026	0.226	2.10E-249	0.005	0.003	0.092	0.235	1137.095	TRUE	4.40E-223
FEV1	WIPI2	cg00393985	rs118073321	T	G	0.514	0.071	0.028	4.08E-13	0.010	0.007	0.132	0.014	52.578	TRUE	1.71E-12
FEV1	WIPI2	cg00393985	rs144966332	A	G	0.798	0.058	0.035	1.54E-42	-0.006	0.007	0.356	0.048	186.754	TRUE	5.97E-41
FEV1	WIPI2	cg00393985	rs147041046	A	C	0.460	0.071	0.030	7.30E-11	0.004	0.007	0.556	0.011	42.414	TRUE	1.43E-10
FEV1	WIPI2	cg00393985	rs28619195	T	C	-0.499	0.069	0.033	3.77E-13	0.009	0.007	0.197	0.014	52.729	TRUE	1.39E-12
FEV1	WIPI2	cg00393985	rs4236384	C	T	0.358	0.032	0.168	1.04E-28	-0.003	0.003	0.347	0.032	123.522	TRUE	1.02E-27
FEV1	WIPI2	cg00393985	rs4257935	C	A	-0.159	0.024	0.355	7.55E-11	0.002	0.002	0.465	0.011	42.349	TRUE	1.63E-10
FEV1	WIPI2	cg00393985	rs4339542	G	A	-0.261	0.047	0.061	2.78E-08	-0.002	0.004	0.588	0.008	30.842	TRUE	4.57E-08
FEV1	WIPI2	cg00393985	rs58708878	T	C	0.154	0.025	0.321	5.34E-10	-0.003	0.003	0.271	0.010	38.527	TRUE	1.36E-09
FEV1	WIPI2	cg00393985	rs62441954	T	C	-0.569	0.029	0.218	3.60E-88	-0.006	0.003	0.050	0.097	396.040	TRUE	8.23E-83
FEV1	WIPI2	cg00393985	rs6463369	G	A	0.198	0.024	0.376	3.47E-16	0.000	0.002	0.896	0.018	66.479	TRUE	6.54E-16
FEV1	WIPI2	cg00393985	rs6949942	T	C	0.667	0.033	0.139	2.50E-93	-0.001	0.003	0.813	0.102	419.723	TRUE	5.43E-89
FEV1	WIPI2	cg00393985	rs6958550	T	G	-0.134	0.024	0.467	1.22E-08	0.000	0.002	0.932	0.009	32.441	TRUE	1.58E-08
FEV1	WIPI2	cg00393985	rs6976902	T	G	0.500	0.058	0.046	5.04E-18	0.004	0.006	0.527	0.020	74.823	TRUE	1.60E-17
FEV1	WIPI2	cg00393985	rs73042232	G	T	0.211	0.026	0.300	2.52E-16	0.005	0.003	0.080	0.018	67.107	TRUE	1.68E-15
FEV1	WIPI2	cg00393985	rs73048017	C	T	-0.439	0.029	0.195	9.97E-52	0.003	0.003	0.379	0.058	228.852	TRUE	1.04E-49
FEV1	WIPI2	cg00393985	rs74952796	G	C	-0.366	0.063	0.034	7.92E-09	-0.004	0.006	0.479	0.009	33.276	TRUE	1.48E-08
FEV1	WIPI2	cg00393985	rs78435810	G	C	0.632	0.079	0.022	1.07E-15	0.008	0.007	0.239	0.017	64.260	TRUE	4.37E-15
FEV1	WIPI2	cg00579868	rs10081294	G	A	0.264	0.024	0.402	2.38E-28	0.000	0.002	0.884	0.032	121.872	TRUE	1.01E-27
FEV1	WIPI2	cg00579868	rs11761408	C	A	0.808	0.026	0.226	1.01E-206	0.005	0.003	0.092	0.203	940.841	TRUE	1.75E-187
FEV1	WIPI2	cg00579868	rs13221361	T	C	0.360	0.034	0.128	6.05E-26	0.000	0.003	0.968	0.029	110.897	TRUE	1.88E-25
FEV1	WIPI2	cg00579868	rs144966332	A	G	0.850	0.058	0.035	3.45E-48	-0.006	0.007	0.356	0.054	212.638	TRUE	2.55E-46
FEV1	WIPI2	cg00579868	rs34185494	T	C	-0.400	0.024	0.421	1.76E-64	0.001	0.002	0.827	0.072	287.323	TRUE	3.61E-62
FEV1	WIPI2	cg00579868	rs4236384	C	T	0.272	0.032	0.168	3.33E-17	-0.003	0.003	0.347	0.019	71.100	TRUE	1.28E-16
FEV1	WIPI2	cg00579868	rs4339542	G	A	-0.256	0.047	0.061	4.72E-08	-0.002	0.004	0.588	0.008	29.814	TRUE	7.66E-08
FEV1	WIPI2	cg00579868	rs62441943	C	A	-0.422	0.052	0.106	4.05E-16	-0.006	0.004	0.150	0.018	66.174	TRUE	2.12E-15
FEV1	WIPI2	cg00579868	rs6463369	G	A	0.171	0.024	0.376	1.57E-12	0.000	0.002	0.896	0.013	49.938	TRUE	2.46E-12
FEV1	WIPI2	cg00579868	rs6976902	T	G	0.333	0.058	0.046	9.22E-09	0.004	0.006	0.527	0.009	32.982	TRUE	1.64E-08
FEV1	WIPI2	cg00579868	rs73048069	A	G	-0.233	0.027	0.259	8.02E-18	0.009	0.003	6.44E-04	0.020	73.908	TRUE	2.47E-16
FEV1	WIPI2	cg00579868	rs74952796	G	C	-0.347	0.063	0.034	4.55E-08	-0.004	0.006	0.479	0.008	29.884	TRUE	8.10E-08
FEV1	WIPI2	cg00703902	rs62441068	T	C	0.324	0.026	0.289	6.32E-35	-0.003	0.003	0.299	0.039	151.921	TRUE	1.26E-33
FEV1	WIPI2	cg01683969	rs10951837	A	C	-0.290	0.024	0.363	1.79E-33	-0.003	0.002	0.229	0.038	145.280	TRUE	3.74E-32
FEV1	WIPI2	cg01683969	rs61978641	T	C	0.315	0.042	0.256	1.18E-13	0.000	0.003	0.895	0.015	55.014	TRUE	1.99E-13
FEV1	WIPI2	cg02665297	rs11761408	C	A	0.287	0.028	0.226	6.40E-25	0.005	0.003	0.092	0.028	106.223	TRUE	9.20E-24

FEV1	WIPI2	cg02665297	rs13227919	A	G	0.229	0.033	0.145	2.10E-12	0.001	0.003	0.782	0.013	49.363	TRUE	3.65E-12
FEV1	WIPI2	cg02665297	rs4720538	G	T	-0.161	0.029	0.200	4.12E-08	0.002	0.003	0.392	0.008	30.074	TRUE	7.93E-08
FEV1	WIPI2	cg02665297	rs62441954	T	C	-0.224	0.029	0.218	1.65E-14	-0.006	0.003	0.050	0.016	58.882	TRUE	1.12E-13
FEV1	WIPI2	cg02667577	rs11761408	C	A	0.365	0.028	0.226	1.92E-39	0.005	0.003	0.092	0.045	172.588	TRUE	1.33E-37
FEV1	WIPI2	cg02667577	rs28740888	C	A	-0.229	0.040	0.168	1.56E-08	-0.001	0.003	0.800	0.009	31.954	TRUE	2.22E-08
FEV1	WIPI2	cg02667577	rs62441954	T	C	-0.246	0.029	0.218	4.17E-17	-0.006	0.003	0.050	0.019	70.657	TRUE	3.69E-16
FEV1	WIPI2	cg02876211	rs3807586	T	G	0.261	0.027	0.266	3.53E-22	-0.003	0.003	0.325	0.025	93.726	TRUE	2.11E-21
FEV1	WIPI2	cg04153882	rs11761408	C	A	0.477	0.028	0.226	2.01E-67	0.005	0.003	0.092	0.075	300.824	TRUE	6.64E-64
FEV1	WIPI2	cg04153882	rs13227919	A	G	0.267	0.033	0.145	2.67E-16	0.001	0.003	0.782	0.018	66.998	TRUE	5.71E-16
FEV1	WIPI2	cg04153882	rs144966332	A	G	0.452	0.059	0.035	1.67E-14	-0.006	0.007	0.356	0.016	58.853	TRUE	5.20E-14
FEV1	WIPI2	cg04153882	rs62441954	T	C	-0.360	0.029	0.218	2.92E-35	-0.006	0.003	0.050	0.040	153.457	TRUE	1.84E-33
FEV1	WIPI2	cg06640364	rs112858081	G	A	0.386	0.036	0.112	1.57E-26	0.001	0.004	0.721	0.030	113.571	TRUE	7.10E-26
FEV1	WIPI2	cg06640364	rs3801045	T	C	-0.302	0.051	0.056	2.53E-09	0.009	0.005	0.064	0.010	35.494	TRUE	9.30E-09
FEV1	WIPI2	cg07762099	rs116958730	A	G	-0.313	0.054	0.047	5.12E-09	-0.002	0.005	0.658	0.009	34.126	TRUE	8.28E-09
FEV1	WIPI2	cg07762099	rs73048056	C	G	-0.432	0.031	0.159	5.44E-45	0.002	0.003	0.607	0.051	197.986	TRUE	1.65E-43
FEV1	WIPI2	cg09203501	rs10081294	G	A	0.266	0.024	0.402	1.16E-28	0.000	0.002	0.884	0.032	123.305	TRUE	5.02E-28
FEV1	WIPI2	cg09203501	rs11761408	C	A	0.821	0.026	0.226	2.01E-214	0.005	0.003	0.092	0.209	976.249	TRUE	5.57E-194
FEV1	WIPI2	cg09203501	rs13231182	T	C	0.421	0.033	0.133	1.12E-36	0.000	0.003	0.980	0.041	159.930	TRUE	7.98E-36
FEV1	WIPI2	cg09203501	rs141926273	A	C	-0.396	0.072	0.033	3.91E-08	0.009	0.007	0.183	0.008	30.178	TRUE	9.69E-08
FEV1	WIPI2	cg09203501	rs144966332	A	G	0.817	0.058	0.035	1.29E-44	-0.006	0.007	0.356	0.050	196.274	TRUE	6.28E-43
FEV1	WIPI2	cg09203501	rs34185494	T	C	-0.444	0.023	0.421	7.97E-80	0.001	0.002	0.827	0.088	357.731	TRUE	1.61E-76
FEV1	WIPI2	cg09203501	rs4236384	C	T	0.302	0.032	0.168	8.20E-21	-0.003	0.003	0.347	0.023	87.508	TRUE	4.14E-20
FEV1	WIPI2	cg09203501	rs62441943	C	A	-0.366	0.052	0.106	1.64E-12	-0.006	0.004	0.150	0.013	49.849	TRUE	6.29E-12
FEV1	WIPI2	cg09203501	rs6463369	G	A	0.217	0.024	0.376	3.11E-19	0.000	0.002	0.896	0.021	80.322	TRUE	6.93E-19
FEV1	WIPI2	cg09203501	rs6958550	T	G	-0.135	0.024	0.467	1.14E-08	0.000	0.002	0.932	0.009	32.574	TRUE	1.48E-08
FEV1	WIPI2	cg09203501	rs6976902	T	G	0.438	0.058	0.046	3.56E-14	0.004	0.006	0.527	0.015	57.366	TRUE	8.79E-14
FEV1	WIPI2	cg09203501	rs73048069	A	G	-0.257	0.027	0.259	2.21E-21	0.009	0.003	6.44E-04	0.024	90.099	TRUE	1.11E-19
FEV1	WIPI2	cg09305948	rs6463310	C	A	-0.368	0.052	0.053	9.19E-13	0.008	0.005	0.092	0.014	50.982	TRUE	4.27E-12
FEV1	WIPI2	cg09523782	rs10081294	G	A	0.206	0.024	0.402	1.08E-17	0.000	0.002	0.884	0.019	73.324	TRUE	2.28E-17
FEV1	WIPI2	cg09523782	rs11761408	C	A	0.625	0.027	0.226	1.19E-117	0.005	0.003	0.092	0.126	531.435	TRUE	7.58E-110
FEV1	WIPI2	cg09523782	rs144966332	A	G	0.608	0.059	0.035	3.74E-25	-0.006	0.007	0.356	0.028	107.289	TRUE	2.66E-24
FEV1	WIPI2	cg09523782	rs4236384	C	T	0.244	0.032	0.168	3.94E-14	-0.003	0.003	0.347	0.015	57.170	TRUE	1.20E-13
FEV1	WIPI2	cg09523782	rs4257935	C	A	-0.134	0.024	0.355	4.00E-08	0.002	0.002	0.465	0.008	30.132	TRUE	7.28E-08
FEV1	WIPI2	cg09523782	rs4720538	G	T	-0.271	0.029	0.200	2.32E-20	0.002	0.003	0.392	0.023	85.455	TRUE	1.05E-19
FEV1	WIPI2	cg09523782	rs62441954	T	C	-0.452	0.029	0.218	3.72E-55	-0.006	0.003	0.050	0.062	244.566	TRUE	3.19E-52
FEV1	WIPI2	cg09523782	rs6463369	G	A	0.159	0.024	0.376	5.18E-11	0.000	0.002	0.896	0.012	43.084	TRUE	7.60E-11
FEV1	WIPI2	cg09523782	rs6949942	T	C	0.383	0.033	0.139	1.02E-30	-0.001	0.003	0.813	0.035	132.689	TRUE	5.59E-30
FEV1	WIPI2	cg09523782	rs6976902	T	G	0.389	0.058	0.046	1.83E-11	0.004	0.006	0.527	0.012	45.121	TRUE	3.82E-11
FEV1	WIPI2	cg15277378	rs11761408	C	A	0.200	0.028	0.226	6.70E-13	0.005	0.003	0.092	0.014	51.603	TRUE	3.09E-12
FEV1	WIPI2	cg15277378	rs62441954	T	C	-0.348	0.029	0.218	3.79E-33	-0.006	0.003	0.050	0.037	143.793	TRUE	1.87E-31
FEV1	WIPI2	cg17652756	rs76950470	A	G	0.404	0.035	0.120	8.53E-31	0.000	0.004	0.913	0.035	133.043	TRUE	4.12E-30
FEV1	WIPI2	cg20032693	rs10239329	T	C	0.150	0.024	0.432	2.91E-10	0.003	0.002	0.163	0.011	39.711	TRUE	8.83E-10

FEV1	WIPI2	cg20032693	rs11971512	G	A	0.144	0.024	0.415	1.59E-09	0.007	0.002	0.003	0.010	36.396	TRUE	1.09E-08
FEV1	WIPI2	cg20032693	rs141926273	A	C	0.533	0.072	0.033	1.31E-13	0.009	0.007	0.183	0.015	54.811	TRUE	5.09E-13
FEV1	WIPI2	cg20032693	rs4339542	G	A	-0.598	0.046	0.061	7.08E-38	-0.002	0.004	0.588	0.043	165.420	TRUE	1.05E-36
FEV1	WIPI2	cg20032693	rs62441078	T	C	-0.409	0.034	0.134	1.88E-32	-0.009	0.003	0.011	0.037	140.611	TRUE	1.60E-30
FEV1	WIPI2	cg20032693	rs62441140	T	C	-0.289	0.037	0.132	2.77E-15	-0.004	0.003	0.187	0.017	62.388	TRUE	1.24E-14
FEV1	WIPI2	cg20032693	rs7904	T	C	-0.192	0.025	0.373	5.96E-15	-0.002	0.002	0.471	0.016	60.884	TRUE	1.63E-14
FEV1	WIPI2	cg20071624	rs1134489	A	G	0.650	0.034	0.122	1.27E-83	0.000	0.004	0.921	0.092	375.159	TRUE	3.83E-80
FEV1	WIPI2	cg20071624	rs6955551	G	A	-0.189	0.023	0.479	5.95E-16	0.002	0.002	0.319	0.017	65.418	TRUE	2.18E-15
FEV1	WIPI2	cg20071624	rs73316699	A	G	0.287	0.032	0.149	1.00E-18	0.002	0.003	0.569	0.021	78.016	TRUE	3.17E-18
FEV1	WIPI2	cg20099458	rs11761408	C	A	0.499	0.027	0.226	1.01E-73	0.005	0.003	0.092	0.082	329.722	TRUE	9.36E-70
FEV1	WIPI2	cg20099458	rs118073321	T	G	0.410	0.071	0.028	7.33E-09	0.010	0.007	0.132	0.009	33.427	TRUE	2.12E-08
FEV1	WIPI2	cg20099458	rs144966332	A	G	0.446	0.059	0.035	3.58E-14	-0.006	0.007	0.356	0.015	57.354	TRUE	1.09E-13
FEV1	WIPI2	cg20099458	rs4236384	C	T	0.199	0.032	0.168	7.49E-10	-0.003	0.003	0.347	0.010	37.868	TRUE	1.70E-09
FEV1	WIPI2	cg20099458	rs4720538	G	T	-0.239	0.029	0.200	3.34E-16	0.002	0.003	0.392	0.018	66.556	TRUE	1.12E-15
FEV1	WIPI2	cg20099458	rs4724331	T	C	0.167	0.026	0.292	1.64E-10	-0.003	0.003	0.339	0.011	40.832	TRUE	3.95E-10
FEV1	WIPI2	cg20099458	rs62441954	T	C	-0.409	0.029	0.218	3.70E-45	-0.006	0.003	0.050	0.051	198.755	TRUE	7.99E-43
FEV1	WIPI2	cg20099458	rs6949942	T	C	0.375	0.033	0.139	1.44E-29	-0.001	0.003	0.813	0.033	127.434	TRUE	7.22E-29
FEV1	WIPI2	cg20099458	rs6976902	T	G	0.350	0.058	0.046	1.53E-09	0.004	0.006	0.527	0.010	36.480	TRUE	2.84E-09
FEV1	WIPI2	cg20367388	rs116124277	A	G	0.468	0.035	0.120	4.88E-41	0.000	0.004	0.921	0.046	179.888	TRUE	5.53E-40
FEV1	WIPI2	cg20367388	rs6972587	A	C	-0.145	0.025	0.346	7.36E-09	0.000	0.002	0.986	0.009	33.420	TRUE	9.19E-09
FEV1	WIPI2	cg20367388	rs75028200	C	T	0.368	0.052	0.052	9.61E-13	-0.002	0.005	0.703	0.014	50.894	TRUE	1.82E-12
FEV1	WIPI2	cg21585409	rs11761408	C	A	0.369	0.028	0.226	2.12E-40	0.005	0.003	0.092	0.046	176.973	TRUE	1.64E-38
FEV1	WIPI2	cg21585409	rs144966332	A	G	0.412	0.059	0.035	2.52E-12	-0.006	0.007	0.356	0.013	49.008	TRUE	6.70E-12
FEV1	WIPI2	cg21585409	rs28740888	C	A	-0.232	0.040	0.168	8.74E-09	-0.001	0.003	0.800	0.009	33.085	TRUE	1.25E-08
FEV1	WIPI2	cg21585409	rs62441954	T	C	-0.250	0.029	0.218	1.12E-17	-0.006	0.003	0.050	0.019	73.252	TRUE	1.05E-16
FEV1	WIPI2	cg21764632	rs11761408	C	A	0.252	0.028	0.226	1.63E-19	0.005	0.003	0.092	0.022	81.601	TRUE	1.39E-18
FEV1	WIPI2	cg22663933	rs1134489	A	G	0.574	0.034	0.122	9.38E-63	0.000	0.004	0.921	0.070	279.406	TRUE	1.25E-60
FEV1	WIPI2	cg22663933	rs116958730	A	G	0.395	0.054	0.047	1.93E-13	-0.002	0.005	0.658	0.014	54.049	TRUE	3.96E-13
FEV1	WIPI2	cg22663933	rs34185494	T	C	-0.203	0.024	0.421	1.78E-17	0.001	0.002	0.827	0.019	72.336	TRUE	3.84E-17
FEV1	WIPI2	cg22663933	rs4427074	G	A	-0.698	0.050	0.057	1.89E-43	0.009	0.005	0.087	0.049	190.929	TRUE	2.32E-41
FEV1	WIPI2	cg22663933	rs4720508	G	A	-0.182	0.024	0.369	7.11E-14	0.005	0.003	0.055	0.015	56.007	TRUE	4.17E-13
FEV1	WIPI2	cg22663933	rs6463307	G	T	-0.142	0.025	0.367	8.05E-09	0.000	0.002	0.925	0.009	33.246	TRUE	1.05E-08
FEV1	WIPI2	cg23122899	rs4720529	C	G	-0.201	0.025	0.346	4.65E-16	-0.002	0.002	0.541	0.018	65.904	TRUE	1.28E-15
FEV1	WIPI2	cg23122899	rs4720532	A	T	0.333	0.030	0.176	3.81E-28	0.004	0.003	0.189	0.032	120.940	TRUE	5.19E-27
FEV1	WIPI2	cg23122899	rs79845625	T	C	-0.155	0.025	0.353	9.01E-10	0.007	0.003	0.003	0.010	37.508	TRUE	6.41E-09
FEV1	WIPI2	cg23562222	rs13227919	A	G	0.458	0.032	0.145	2.04E-45	0.001	0.003	0.782	0.051	199.935	TRUE	4.63E-44
FEV1	WIPI2	cg23562222	rs4720529	C	G	-0.339	0.025	0.346	3.81E-43	-0.002	0.002	0.541	0.049	189.536	TRUE	1.07E-41
FEV1	WIPI2	cg23562222	rs4720532	A	T	0.390	0.030	0.176	5.85E-38	0.004	0.003	0.189	0.043	165.800	TRUE	2.19E-36
FEV1	WIPI2	cg23562222	rs7793457	G	C	0.144	0.026	0.293	2.30E-08	-0.001	0.003	0.731	0.008	31.206	TRUE	3.41E-08
FEV1	WIPI2	cg23562222	rs79845625	T	C	-0.182	0.025	0.353	9.07E-13	0.007	0.003	0.003	0.014	51.008	TRUE	9.59E-12
FEV1	WIPI2	cg24555360	rs3807586	T	G	0.278	0.027	0.266	4.99E-25	-0.003	0.003	0.325	0.028	106.717	TRUE	3.78E-24
FEV1	WIPI2	cg26660312	rs10081294	G	A	0.287	0.024	0.402	3.20E-33	0.000	0.002	0.884	0.038	144.128	TRUE	1.99E-32

FEV1	WIPI2	cg26660312	rs11761408	C	A	0.940	0.024	0.226	<1E-200	0.005	0.003	0.092	0.289	1505.255	TRUE	2.54E-287
FEV1	WIPI2	cg26660312	rs144966332	A	G	0.968	0.058	0.035	1.29E-62	-0.006	0.007	0.356	0.070	278.774	TRUE	6.30E-60
FEV1	WIPI2	cg26660312	rs34185494	T	C	-0.498	0.023	0.421	1.83E-101	0.001	0.002	0.827	0.110	457.082	TRUE	1.76E-96
FEV1	WIPI2	cg26660312	rs35700108	C	G	0.446	0.033	0.133	6.57E-41	0.000	0.003	0.999	0.046	179.298	TRUE	6.59E-40
FEV1	WIPI2	cg26660312	rs4236384	C	T	0.343	0.032	0.168	1.68E-26	-0.003	0.003	0.347	0.030	113.434	TRUE	1.36E-25
FEV1	WIPI2	cg26660312	rs4339542	G	A	-0.278	0.047	0.061	2.97E-09	-0.002	0.004	0.588	0.009	35.187	TRUE	5.15E-09
FEV1	WIPI2	cg26660312	rs58708878	T	C	0.175	0.025	0.321	1.45E-12	-0.003	0.003	0.271	0.013	50.093	TRUE	4.48E-12
FEV1	WIPI2	cg26660312	rs62441943	C	A	-0.448	0.052	0.106	4.58E-18	-0.006	0.004	0.150	0.020	75.013	TRUE	2.85E-17
FEV1	WIPI2	cg26660312	rs6463369	G	A	0.202	0.024	0.376	6.71E-17	0.000	0.002	0.896	0.018	69.718	TRUE	1.31E-16
FEV1	WIPI2	cg26660312	rs6958550	T	G	-0.135	0.024	0.467	9.42E-09	0.000	0.002	0.932	0.009	32.940	TRUE	1.23E-08
FEV1	WIPI2	cg26660312	rs6976902	T	G	0.437	0.058	0.046	4.13E-14	0.004	0.006	0.527	0.015	57.076	TRUE	1.02E-13
FEV1	WIPI2	cg26660312	rs73048069	A	G	-0.299	0.027	0.259	1.54E-28	0.009	0.003	6.44E-04	0.032	122.735	TRUE	2.05E-26
FEV1	WIPI2	cg27021327	rs116958730	A	G	0.337	0.054	0.047	4.00E-10	-0.002	0.005	0.658	0.010	39.091	TRUE	6.86E-10
FEV1	WIPI2	cg27021327	rs4595030	C	A	0.207	0.034	0.140	1.85E-09	-0.002	0.003	0.649	0.010	36.105	TRUE	3.08E-09
FEV1	WIPI2	cg27021327	rs4724461	C	A	0.480	0.029	0.205	2.33E-63	0.005	0.003	0.072	0.071	282.182	TRUE	4.92E-60
FEV1	WIPI2	cg27021327	rs6951007	A	C	0.257	0.032	0.154	1.07E-15	0.003	0.003	0.318	0.017	64.256	TRUE	3.86E-15
FEV1	WIPI2	cg27021327	rs6956071	A	G	-0.279	0.024	0.406	3.25E-31	-0.001	0.002	0.800	0.035	134.959	TRUE	1.88E-30
FEV1	WIPI2	cg27021327	rs79845625	T	C	-0.157	0.025	0.353	7.27E-10	0.007	0.003	0.003	0.010	37.928	TRUE	5.23E-09
FEV1	WIPI2	cg27152128	rs11761408	C	A	0.225	0.027	0.226	2.75E-16	0.005	0.003	0.092	0.018	66.937	TRUE	1.73E-15
FEV1	WIPI2	cg27298603	rs4478482	G	T	-0.376	0.049	0.058	2.79E-14	0.009	0.005	0.066	0.015	57.845	TRUE	1.65E-13
FEV1	WNT4	cg00356045	rs2268177	T	A	0.216	0.031	0.180	2.80E-12	0.013	0.003	3.12E-05	0.013	48.796	TRUE	5.94E-11
FEV1	WNT4	cg01781529	rs2235529	T	C	-0.206	0.032	0.163	7.14E-11	0.016	0.003	1.15E-06	0.011	42.457	TRUE	1.86E-09
FEV1	WNT4	cg01781529	rs6673001	A	G	-0.561	0.087	0.017	1.16E-10	-0.015	0.009	0.090	0.011	41.510	TRUE	4.42E-10
FEV1	WNT4	cg02839875	rs12135916	G	A	0.164	0.028	0.239	5.08E-09	0.006	0.003	0.044	0.009	34.141	TRUE	2.01E-08
FEV1	WNT4	cg02839875	rs2744718	T	C	-0.191	0.035	0.141	3.34E-08	-0.005	0.003	0.110	0.008	30.481	TRUE	9.63E-08
FEV1	WNT4	cg09938164	rs34745135	C	G	0.357	0.037	0.116	8.20E-22	0.010	0.004	0.003	0.024	92.061	TRUE	2.81E-20
FEV1	WNT4	cg09938164	rs4655023	A	C	-0.318	0.044	0.077	3.58E-13	-0.004	0.004	0.328	0.014	52.831	TRUE	1.07E-12
FEV1	WNT4	cg09938164	rs58111733	T	G	0.241	0.040	0.105	1.55E-09	0.014	0.004	3.37E-04	0.010	36.454	TRUE	1.57E-08
FEV1	WNT4	cg10606730	rs143040561	T	G	1.058	0.104	0.011	3.37E-24	-0.025	0.011	0.017	0.027	102.936	TRUE	9.06E-23
FEV1	WNT4	cg12098183	rs56408422	T	C	-0.315	0.032	0.164	1.71E-22	0.009	0.003	0.005	0.025	95.158	TRUE	5.23E-21
FEV1	WNT4	cg15582954	rs56318008	T	C	0.348	0.032	0.153	7.80E-27	0.017	0.003	1.22E-07	0.030	114.955	TRUE	4.75E-24
FEV1	WNT4	cg15582954	rs7542242	T	C	-0.170	0.025	0.331	1.02E-11	-0.012	0.003	2.74E-06	0.012	46.260	TRUE	2.84E-10
FEV1	WNT4	cg17022577	rs10917123	A	G	0.158	0.028	0.223	2.19E-08	0.011	0.003	7.38E-05	0.008	31.300	TRUE	2.21E-07
FEV1	WNT4	cg17022577	rs2744755	C	T	-0.147	0.025	0.357	3.75E-09	0.003	0.002	0.286	0.009	34.733	TRUE	8.78E-09
FEV1	WNT4	cg17022577	rs2807356	T	C	-0.155	0.028	0.231	2.40E-08	0.005	0.003	0.081	0.008	31.123	TRUE	7.68E-08
FEV1	WNT4	cg17022577	rs56408422	T	C	-0.452	0.032	0.164	4.52E-44	0.009	0.003	0.005	0.050	193.777	TRUE	2.25E-41
FEV1	WNT4	cg25011003	rs56318008	T	C	0.424	0.032	0.153	2.26E-39	0.017	0.003	1.22E-07	0.044	172.268	TRUE	1.20E-35
FEV1	WNT4	cg25011003	rs7542242	T	C	-0.194	0.025	0.331	8.80E-15	-0.012	0.003	2.74E-06	0.016	60.116	TRUE	4.22E-13
FEV1	WWOX	cg00232445	rs8050128	A	C	-0.140	0.023	0.455	1.90E-09	0.004	0.002	0.067	0.010	36.055	TRUE	6.83E-09
FEV1	WWOX	cg00232445	rs8052888	T	C	-0.170	0.030	0.173	2.26E-08	0.000	0.003	0.955	0.008	31.239	TRUE	2.88E-08
FEV1	WWOX	cg01365766	rs13334444	T	G	-0.337	0.053	0.055	2.14E-10	0.020	0.006	3.71E-04	0.011	40.316	TRUE	2.39E-09
FEV1	WWOX	cg01608400	rs11150082	T	C	0.204	0.028	0.205	7.19E-13	0.009	0.003	0.003	0.014	51.464	TRUE	8.12E-12

FEV1	WWOX	cg01608400	rs2738739	C	G	0.321	0.051	0.056	2.38E-10	-0.002	0.005	0.675	0.011	40.107	TRUE	4.09E-10
FEV1	WWOX	cg01623475	rs11647295	G	A	-0.477	0.034	0.118	1.27E-45	0.008	0.004	0.015	0.052	200.886	TRUE	4.94E-43
FEV1	WWOX	cg01630032	rs10438629	G	C	0.233	0.030	0.187	7.36E-15	0.000	0.003	0.921	0.016	60.467	TRUE	1.27E-14
FEV1	WWOX	cg01630032	rs11648020	G	T	0.383	0.062	0.036	7.31E-10	-0.002	0.006	0.682	0.010	37.916	TRUE	1.21E-09
FEV1	WWOX	cg01630032	rs116918681	T	G	-0.637	0.108	0.032	3.19E-09	0.009	0.007	0.198	0.009	35.043	TRUE	8.45E-09
FEV1	WWOX	cg01630032	rs17706689	G	C	0.391	0.070	0.078	2.38E-08	0.002	0.005	0.720	0.008	31.138	TRUE	3.55E-08
FEV1	WWOX	cg01630032	rs1912803	A	C	0.406	0.046	0.064	2.16E-18	0.012	0.005	0.015	0.020	76.498	TRUE	3.14E-17
FEV1	WWOX	cg01630032	rs2548875	G	T	0.597	0.028	0.211	1.97E-100	-0.002	0.003	0.489	0.109	452.345	TRUE	4.03E-95
FEV1	WWOX	cg01630032	rs2548879	C	A	0.811	0.021	0.430	<1E-200	0.002	0.002	0.505	0.295	1546.804	TRUE	6.65E-296
FEV1	WWOX	cg01630032	rs2673789	C	T	0.274	0.023	0.436	1.17E-31	0.002	0.002	0.385	0.036	136.980	TRUE	1.41E-30
FEV1	WWOX	cg01630032	rs2737301	T	C	-0.143	0.024	0.435	2.13E-09	0.003	0.002	0.226	0.010	35.833	TRUE	5.46E-09
FEV1	WWOX	cg01630032	rs2738586	G	A	0.561	0.046	0.078	2.22E-34	-0.008	0.005	0.081	0.039	149.432	TRUE	9.25E-33
FEV1	WWOX	cg01630032	rs34466066	G	T	0.217	0.033	0.156	4.28E-11	0.004	0.003	0.167	0.012	43.456	TRUE	1.40E-10
FEV1	WWOX	cg01630032	rs34561764	G	C	0.604	0.057	0.048	3.33E-26	-0.003	0.005	0.543	0.029	112.077	TRUE	1.89E-25
FEV1	WWOX	cg01630032	rs3751882	G	A	0.376	0.027	0.251	3.78E-44	-0.001	0.003	0.792	0.050	194.131	TRUE	7.30E-43
FEV1	WWOX	cg01630032	rs67195249	A	T	0.753	0.032	0.137	2.44E-124	0.001	0.003	0.656	0.132	562.170	TRUE	4.96E-117
FEV1	WWOX	cg01630032	rs67486703	A	G	-0.168	0.031	0.175	3.72E-08	0.000	0.003	0.907	0.008	30.272	TRUE	4.87E-08
FEV1	WWOX	cg01630032	rs7197349	G	A	0.735	0.036	0.116	1.73E-90	0.000	0.004	0.973	0.099	406.689	TRUE	1.51E-86
FEV1	WWOX	cg01630032	rs7206203	C	T	-0.189	0.024	0.444	8.64E-16	-0.004	0.002	0.104	0.017	64.683	TRUE	5.04E-15
FEV1	WWOX	cg01630032	rs72794707	T	C	0.688	0.107	0.012	1.29E-10	0.000	0.011	0.970	0.011	41.298	TRUE	1.76E-10
FEV1	WWOX	cg01630032	rs73576805	G	T	0.447	0.079	0.024	1.41E-08	0.004	0.007	0.566	0.009	32.152	TRUE	2.39E-08
FEV1	WWOX	cg01630032	rs75887935	C	T	0.334	0.045	0.075	1.87E-13	-0.007	0.005	0.148	0.014	54.112	TRUE	7.76E-13
FEV1	WWOX	cg01630032	rs76887953	G	T	0.739	0.086	0.019	1.04E-17	-0.004	0.008	0.592	0.019	73.393	TRUE	2.99E-17
FEV1	WWOX	cg01630032	rs78136943	G	A	0.545	0.062	0.036	1.97E-18	-0.003	0.006	0.549	0.020	76.676	TRUE	6.23E-18
FEV1	WWOX	cg01630032	rs78404304	G	A	-0.463	0.074	0.068	4.96E-10	-0.004	0.005	0.398	0.010	38.674	TRUE	1.07E-09
FEV1	WWOX	cg01630032	rs78505173	C	T	0.457	0.077	0.047	2.60E-09	0.004	0.006	0.513	0.009	35.446	TRUE	4.80E-09
FEV1	WWOX	cg01630032	rs79798128	T	G	-0.642	0.079	0.054	5.17E-16	0.012	0.005	0.022	0.017	65.693	TRUE	5.21E-15
FEV1	WWOX	cg01785566	rs12922764	A	G	-0.145	0.023	0.425	5.33E-10	-0.004	0.002	0.082	0.010	38.531	TRUE	1.93E-09
FEV1	WWOX	cg02795629	rs391870	T	C	-0.159	0.024	0.373	5.04E-11	-0.004	0.002	0.096	0.012	43.137	TRUE	1.96E-10
FEV1	WWOX	cg02795629	rs4888948	G	C	-0.155	0.026	0.274	4.37E-09	-0.004	0.003	0.095	0.009	34.432	TRUE	1.43E-08
FEV1	WWOX	cg03601549	rs2738544	T	C	-0.332	0.040	0.098	1.87E-16	-0.005	0.004	0.164	0.018	67.699	TRUE	9.60E-16
FEV1	WWOX	cg03601549	rs74593660	T	C	-0.252	0.045	0.074	2.92E-08	-0.006	0.005	0.162	0.008	30.744	TRUE	7.58E-08
FEV1	WWOX	cg03601549	rs9927678	C	T	-0.137	0.024	0.385	1.02E-08	0.001	0.002	0.587	0.009	32.787	TRUE	1.71E-08
FEV1	WWOX	cg04609912	rs114476113	A	G	-0.741	0.097	0.016	2.40E-14	-0.007	0.010	0.491	0.015	58.139	TRUE	6.22E-14
FEV1	WWOX	cg04609912	rs145205608	C	G	-0.408	0.074	0.024	3.86E-08	0.002	0.008	0.777	0.008	30.205	TRUE	5.46E-08
FEV1	WWOX	cg04609912	rs4530150	A	G	0.253	0.041	0.087	8.68E-10	0.008	0.004	0.056	0.010	37.580	TRUE	3.49E-09
FEV1	WWOX	cg04609912	rs59274620	C	T	-0.249	0.044	0.068	1.76E-08	0.005	0.004	0.292	0.009	31.726	TRUE	3.89E-08
FEV1	WWOX	cg04609912	rs8048266	C	A	0.140	0.024	0.400	4.00E-09	0.000	0.002	0.891	0.009	34.607	TRUE	5.41E-09
FEV1	WWOX	cg04609912	rs8052888	T	C	0.284	0.031	0.173	1.18E-20	0.000	0.003	0.955	0.023	86.793	TRUE	2.71E-20
FEV1	WWOX	cg04609912	rs9928690	G	A	-0.139	0.024	0.402	4.02E-09	0.002	0.002	0.331	0.009	34.594	TRUE	8.76E-09
FEV1	WWOX	cg04609912	rs9940348	T	C	-0.606	0.032	0.149	1.09E-80	0.005	0.003	0.126	0.089	361.688	TRUE	2.60E-76
FEV1	WWOX	cg06252160	rs67933378	A	G	-0.184	0.032	0.159	6.54E-09	0.003	0.003	0.322	0.009	33.650	TRUE	1.44E-08

FEV1	WWOX	cg07207813	rs16947616	G	A	-0.838	0.097	0.015	8.03E-18	-0.004	0.010	0.720	0.020	73.906	TRUE	2.01E-17
FEV1	WWOX	cg07207813	rs4888815	G	C	-0.188	0.025	0.310	4.69E-14	0.003	0.003	0.220	0.015	56.826	TRUE	1.77E-13
FEV1	WWOX	cg07207813	rs58980559	G	A	-0.323	0.036	0.122	2.22E-19	0.003	0.003	0.377	0.021	80.986	TRUE	9.58E-19
FEV1	WWOX	cg07207813	rs7189823	T	G	-0.956	0.041	0.082	5.28E-119	0.005	0.004	0.268	0.127	537.656	TRUE	1.34E-111
FEV1	WWOX	cg07207813	rs7193816	A	G	-0.221	0.040	0.096	3.74E-08	-0.004	0.004	0.345	0.008	30.262	TRUE	7.48E-08
FEV1	WWOX	cg07493562	rs28529286	T	C	0.471	0.065	0.066	4.50E-13	0.006	0.004	0.185	0.014	52.384	TRUE	1.69E-12
FEV1	WWOX	cg07493562	rs4430758	G	A	-0.166	0.027	0.248	6.56E-10	0.008	0.003	0.002	0.010	38.126	TRUE	5.31E-09
FEV1	WWOX	cg07493562	rs7500549	T	C	-0.137	0.023	0.464	4.25E-09	-0.011	0.002	8.18E-06	0.009	34.486	TRUE	6.06E-08
FEV1	WWOX	cg07674304	rs11640157	A	C	-0.397	0.059	0.041	1.21E-11	-0.002	0.006	0.678	0.012	45.927	TRUE	2.21E-11
FEV1	WWOX	cg07674304	rs11641340	G	A	-0.301	0.043	0.083	1.93E-12	0.001	0.004	0.802	0.013	49.528	TRUE	3.31E-12
FEV1	WWOX	cg07674304	rs12446075	G	A	-0.148	0.025	0.295	5.78E-09	0.010	0.003	1.95E-04	0.009	33.888	TRUE	5.91E-08
FEV1	WWOX	cg07674304	rs12598440	C	T	-0.271	0.023	0.453	1.62E-31	0.004	0.002	0.065	0.036	136.336	TRUE	5.54E-30
FEV1	WWOX	cg07674304	rs12929743	C	G	-0.162	0.028	0.225	1.17E-08	0.004	0.003	0.224	0.009	32.511	TRUE	2.91E-08
FEV1	WWOX	cg07674304	rs12931246	C	G	-0.225	0.033	0.144	5.31E-12	0.002	0.003	0.605	0.013	47.542	TRUE	1.06E-11
FEV1	WWOX	cg07674304	rs149327916	A	T	-0.738	0.093	0.015	1.81E-15	0.000	0.008	0.968	0.017	63.227	TRUE	3.07E-15
FEV1	WWOX	cg07674304	rs2738552	C	G	-0.249	0.034	0.139	4.14E-13	0.000	0.003	0.982	0.014	52.546	TRUE	6.26E-13
FEV1	WWOX	cg07674304	rs2738740	G	T	-0.348	0.040	0.094	2.60E-18	-0.010	0.004	0.013	0.020	76.127	TRUE	3.85E-17
FEV1	WWOX	cg07674304	rs3743681	A	C	-0.959	0.038	0.101	2.10E-142	0.013	0.004	4.86E-04	0.149	645.179	TRUE	4.17E-130
FEV1	WWOX	cg07674304	rs4513111	T	C	-0.558	0.043	0.077	9.99E-38	0.006	0.004	0.182	0.043	164.735	TRUE	3.83E-36
FEV1	WWOX	cg07674304	rs62034038	A	G	-0.333	0.060	0.039	3.27E-08	-0.004	0.006	0.518	0.008	30.524	TRUE	5.66E-08
FEV1	WWOX	cg07674304	rs9923563	C	T	-0.245	0.028	0.226	1.78E-18	-0.001	0.003	0.852	0.020	76.881	TRUE	3.97E-18
FEV1	WWOX	cg08173834	rs28609420	G	T	-0.293	0.053	0.055	4.30E-08	0.001	0.005	0.832	0.008	29.993	TRUE	5.88E-08
FEV1	WWOX	cg08173834	rs74029558	A	C	-0.909	0.109	0.012	8.03E-17	-0.014	0.011	0.195	0.018	69.364	TRUE	3.96E-16
FEV1	WWOX	cg08748098	rs9940608	T	C	-0.548	0.047	0.119	5.22E-31	-0.008	0.004	0.029	0.035	134.018	TRUE	2.51E-29
FEV1	WWOX	cg09038266	rs9940536	T	C	0.262	0.025	0.315	4.26E-26	-0.002	0.003	0.556	0.029	111.590	TRUE	2.37E-25
FEV1	WWOX	cg09437479	rs1877281	A	G	-0.211	0.028	0.212	7.25E-14	0.008	0.003	0.004	0.015	55.969	TRUE	8.87E-13
FEV1	WWOX	cg09466698	rs117085835	A	G	-0.475	0.071	0.024	2.66E-11	0.015	0.006	0.018	0.012	44.388	TRUE	1.65E-10
FEV1	WWOX	cg09466698	rs11864315	T	C	-0.173	0.028	0.202	1.13E-09	-0.011	0.003	8.01E-05	0.010	37.061	TRUE	1.40E-08
FEV1	WWOX	cg09466698	rs142789964	T	C	-0.869	0.159	0.014	4.98E-08	-0.009	0.010	0.356	0.008	29.707	TRUE	9.85E-08
FEV1	WWOX	cg09466698	rs34451070	G	C	-0.714	0.086	0.018	1.50E-16	-0.011	0.009	0.214	0.018	68.136	TRUE	6.97E-16
FEV1	WWOX	cg09466698	rs36098342	G	C	-0.302	0.026	0.302	8.30E-32	-0.013	0.003	4.74E-07	0.036	137.667	TRUE	8.79E-29
FEV1	WWOX	cg09466698	rs3751773	T	C	0.200	0.024	0.493	2.21E-17	-0.001	0.002	0.644	0.019	71.908	TRUE	5.82E-17
FEV1	WWOX	cg09466698	rs4888752	T	A	0.199	0.026	0.266	2.49E-14	-0.003	0.003	0.216	0.015	58.071	TRUE	9.82E-14
FEV1	WWOX	cg09466698	rs7193455	A	T	0.211	0.026	0.298	3.19E-16	0.012	0.003	5.10E-06	0.018	66.644	TRUE	1.72E-14
FEV1	WWOX	cg09466698	rs7200742	T	C	-0.728	0.027	0.221	1.06E-160	-0.007	0.003	0.016	0.165	729.272	TRUE	3.86E-147
FEV1	WWOX	cg09466698	rs7204985	A	G	0.201	0.025	0.307	3.03E-15	-0.007	0.003	0.007	0.017	62.211	TRUE	3.79E-14
FEV1	WWOX	cg09466698	rs72806827	A	G	0.230	0.034	0.139	9.40E-12	0.001	0.003	0.748	0.012	46.424	TRUE	1.63E-11
FEV1	WWOX	cg09466698	rs9928004	C	A	0.188	0.024	0.432	2.51E-15	0.006	0.002	0.011	0.017	62.586	TRUE	2.69E-14
FEV1	WWOX	cg09466698	rs9933874	T	A	0.219	0.037	0.109	3.54E-09	0.006	0.004	0.092	0.009	34.840	TRUE	1.16E-08
FEV1	WWOX	cg10001715	rs2077576	C	T	-0.248	0.041	0.088	1.32E-09	0.009	0.004	0.024	0.010	36.758	TRUE	6.44E-09
FEV1	WWOX	cg10001715	rs35272142	A	C	0.174	0.031	0.177	2.64E-08	-0.013	0.003	2.33E-05	0.008	30.936	TRUE	2.94E-07
FEV1	WWOX	cg10001715	rs4074541	C	A	-0.222	0.025	0.309	5.93E-19	0.005	0.003	0.047	0.021	79.047	TRUE	6.13E-18

FEV1	WWOX	cg10001715	rs7199349	G	T	-0.405	0.024	0.379	1.91E-64	0.012	0.002	2.36E-06	0.072	287.158	TRUE	5.36E-59
FEV1	WWOX	cg10001715	rs72792342	G	T	-0.745	0.049	0.050	1.73E-51	0.006	0.005	0.203	0.058	227.753	TRUE	3.10E-49
FEV1	WWOX	cg10001715	rs72803903	T	C	-0.667	0.115	0.012	6.78E-09	0.007	0.011	0.495	0.009	33.580	TRUE	1.24E-08
FEV1	WWOX	cg10001715	rs9933749	T	G	0.218	0.024	0.423	3.27E-20	-0.004	0.002	0.082	0.022	84.772	TRUE	3.09E-19
FEV1	WWOX	cg10466626	rs11641434	C	T	-0.293	0.038	0.092	2.07E-14	0.005	0.004	0.256	0.016	58.434	TRUE	7.52E-14
FEV1	WWOX	cg10466626	rs12446679	T	G	-0.752	0.094	0.029	1.09E-15	0.003	0.008	0.680	0.017	64.234	TRUE	2.49E-15
FEV1	WWOX	cg10855967	rs11545028	T	C	-0.522	0.024	0.345	4.55E-102	-0.009	0.003	3.28E-04	0.111	459.863	TRUE	3.88E-94
FEV1	WWOX	cg10855967	rs17775590	T	G	0.240	0.028	0.216	1.61E-17	0.004	0.003	0.121	0.019	72.535	TRUE	1.05E-16
FEV1	WWOX	cg10855967	rs71396130	A	G	-0.235	0.025	0.304	1.23E-20	-0.008	0.003	0.002	0.023	86.712	TRUE	3.60E-19
FEV1	WWOX	cg10855967	rs719743	C	A	0.182	0.026	0.275	1.86E-12	-0.002	0.003	0.349	0.013	49.601	TRUE	5.00E-12
FEV1	WWOX	cg10855967	rs72800913	G	A	0.220	0.035	0.131	2.27E-10	-0.004	0.003	0.301	0.011	40.201	TRUE	5.63E-10
FEV1	WWOX	cg10855967	rs75606626	A	G	-0.401	0.058	0.042	3.23E-12	-0.010	0.006	0.103	0.013	48.519	TRUE	1.37E-11
FEV1	WWOX	cg10855967	rs8049744	A	T	-0.383	0.062	0.037	7.56E-10	0.014	0.007	0.027	0.010	37.849	TRUE	3.62E-09
FEV1	WWOX	cg10855967	rs889418	A	G	-0.254	0.030	0.189	1.82E-17	-0.012	0.003	5.47E-05	0.019	72.288	TRUE	8.59E-16
FEV1	WWOX	cg16747717	rs4888775	G	A	-0.131	0.023	0.392	2.33E-08	-0.008	0.002	7.43E-04	0.008	31.179	TRUE	1.73E-07
FEV1	WWOX	cg16747717	rs78481124	T	C	-0.936	0.130	0.010	6.49E-13	-0.011	0.011	0.319	0.014	51.664	TRUE	1.90E-12
FEV1	WWOX	cg26691179	rs55663738	T	C	-0.193	0.035	0.132	3.81E-08	-0.008	0.004	0.022	0.008	30.226	TRUE	1.56E-07
FEV1	WWOX	cg26691179	rs77451018	C	T	0.183	0.032	0.166	6.90E-09	-0.014	0.003	9.38E-06	0.009	33.544	TRUE	1.02E-07
FEV1	WWOX	cg26691179	rs9319519	A	G	-0.224	0.024	0.400	6.07E-21	0.001	0.002	0.832	0.023	88.100	TRUE	1.61E-20
FEV1	WWOX	cg27002639	rs78668939	T	C	-0.608	0.097	0.012	2.95E-10	-0.011	0.010	0.274	0.011	39.686	TRUE	7.53E-10
FEV1	WWOX	cg27109907	rs7205541	A	G	0.184	0.024	0.401	1.32E-14	0.004	0.002	0.144	0.016	59.311	TRUE	6.14E-14
FEV1	YWHAB	cg10774185	rs7265519	T	C	0.160	0.026	0.260	7.58E-10	-0.006	0.003	0.016	0.010	37.846	TRUE	4.09E-09
FEV1	YWHAB	cg15324310	rs4812874	A	G	-0.146	0.025	0.278	7.97E-09	-0.007	0.003	0.009	0.009	33.265	TRUE	4.13E-08
FEV1	YWHAB	cg15324310	rs6031848	C	T	0.323	0.026	0.263	1.04E-36	-0.006	0.003	0.014	0.041	160.089	TRUE	1.34E-34
FEV1	YWHAE	cg23643343	rs11653079	G	A	-0.175	0.029	0.212	8.99E-10	0.003	0.003	0.377	0.010	37.513	TRUE	1.94E-09
FEV1	YWHAE	cg23643343	rs144287161	C	G	0.418	0.063	0.033	3.55E-11	0.004	0.006	0.574	0.012	43.825	TRUE	6.94E-11
FEV1	YWHAE	cg23643343	rs28365859	G	C	0.243	0.025	0.309	7.29E-22	-0.006	0.003	0.020	0.024	92.292	TRUE	1.45E-20
FEV1	YWHAE	cg23643343	rs8079364	G	A	-0.182	0.030	0.205	8.52E-10	0.007	0.003	0.015	0.010	37.617	TRUE	4.64E-09
FEV1	YWHAE	cg23643343	rs9901229	T	C	-0.172	0.031	0.177	3.14E-08	0.005	0.003	0.125	0.008	30.605	TRUE	8.87E-08
FEV1	ZBTB22	cg06477487	rs469064	A	C	-0.129	0.023	0.498	2.01E-08	0.004	0.002	0.064	0.008	31.465	TRUE	6.81E-08
FEV1	ZBTB22	cg08255964	rs3106194	A	G	-0.203	0.026	0.310	2.04E-15	0.005	0.003	0.048	0.017	62.997	TRUE	1.52E-14
FEV1	ZBTB22	cg10585379	rs3130256	A	G	-0.170	0.025	0.350	9.20E-12	0.009	0.003	2.90E-04	0.012	46.466	TRUE	1.28E-10
FEV1	ZBTB22	cg26919618	rs3106194	A	G	-0.173	0.028	0.310	3.98E-10	0.005	0.003	0.048	0.010	39.100	TRUE	1.73E-09
FEV1	ZC3H12A	cg01937809	rs145149767	T	C	-0.269	0.035	0.123	1.78E-14	0.003	0.004	0.447	0.016	58.727	TRUE	4.87E-14
FEV1	ZC3H12A	cg03140118	rs10908340	G	A	-0.164	0.024	0.473	5.90E-12	0.005	0.002	0.045	0.013	47.335	TRUE	3.19E-11
FEV1	ZC3H12A	cg03140118	rs10908365	G	C	0.159	0.025	0.316	3.66E-10	-0.002	0.003	0.349	0.011	39.265	TRUE	8.38E-10
FEV1	ZC3H12A	cg03140118	rs111632933	C	A	0.280	0.050	0.058	1.79E-08	-0.011	0.005	0.015	0.008	31.693	TRUE	8.32E-08
FEV1	ZC3H12A	cg03140118	rs11264035	G	A	0.195	0.024	0.461	3.96E-16	-0.006	0.002	0.014	0.018	66.218	TRUE	4.58E-15
FEV1	ZC3H12A	cg03140118	rs11264047	T	C	-0.289	0.046	0.066	2.55E-10	0.003	0.005	0.577	0.011	39.967	TRUE	4.74E-10
FEV1	ZC3H12A	cg03140118	rs11578962	T	G	0.403	0.043	0.074	5.21E-21	-0.020	0.004	2.61E-06	0.023	88.403	TRUE	6.89E-19
FEV1	ZC3H12A	cg03140118	rs11579360	T	G	0.160	0.026	0.282	8.99E-10	-0.003	0.003	0.186	0.010	37.512	TRUE	2.59E-09
FEV1	ZC3H12A	cg03140118	rs11584856	T	C	0.205	0.031	0.179	3.69E-11	-0.002	0.003	0.591	0.012	43.747	TRUE	7.00E-11

FEV1	ZC3H12A	cg03140118	rs12044682	A	T	0.157	0.028	0.222	1.98E-08	-0.006	0.003	0.032	0.008	31.501	TRUE	7.92E-08
FEV1	ZC3H12A	cg03140118	rs12144938	G	C	-0.277	0.030	0.188	5.29E-20	0.004	0.003	0.253	0.022	83.821	TRUE	3.06E-19
FEV1	ZC3H12A	cg03140118	rs144309017	T	C	0.768	0.103	0.014	7.15E-14	0.017	0.008	0.039	0.015	55.998	TRUE	4.77E-13
FEV1	ZC3H12A	cg03140118	rs146177692	G	A	0.356	0.038	0.102	8.22E-21	0.006	0.004	0.115	0.023	87.502	TRUE	7.33E-20
FEV1	ZC3H12A	cg03140118	rs146684427	G	C	-0.506	0.091	0.034	2.98E-08	0.015	0.007	0.036	0.008	30.703	TRUE	1.11E-07
FEV1	ZC3H12A	cg03140118	rs16824158	G	C	0.489	0.084	0.029	5.32E-09	-0.007	0.007	0.309	0.009	34.050	TRUE	1.19E-08
FEV1	ZC3H12A	cg03140118	rs35537303	A	G	-0.264	0.027	0.246	4.27E-22	-0.002	0.003	0.479	0.025	93.351	TRUE	1.93E-21
FEV1	ZC3H12A	cg03140118	rs61780479	T	C	-0.420	0.029	0.203	9.83E-47	0.009	0.003	0.004	0.053	205.971	TRUE	7.98E-44
FEV1	ZC3H12A	cg03140118	rs71640742	C	A	-0.245	0.040	0.097	6.11E-10	0.001	0.004	0.801	0.010	38.266	TRUE	9.19E-10
FEV1	ZC3H12A	cg03140118	rs75500832	A	C	0.278	0.040	0.095	4.87E-12	-0.002	0.004	0.543	0.013	47.712	TRUE	1.03E-11
FEV1	ZC3H12A	cg03140118	rs75785507	A	G	0.672	0.023	0.341	2.72E-181	-0.008	0.002	0.001	0.182	823.920	TRUE	6.77E-164
FEV1	ZC3H12A	cg08857221	rs145149767	T	C	-0.231	0.035	0.123	4.06E-11	0.003	0.004	0.447	0.012	43.561	TRUE	8.92E-11
FEV1	ZC3H12A	cg08857221	rs2660566	A	G	-0.147	0.023	0.458	3.82E-10	-0.007	0.002	0.005	0.010	39.179	TRUE	2.71E-09
FEV1	ZC3H12A	cg08857221	rs72917904	A	G	-0.891	0.163	0.011	4.67E-08	-0.007	0.014	0.623	0.008	29.833	TRUE	7.38E-08
FEV1	ZC3H12A	cg15949277	rs75785507	A	G	0.241	0.024	0.341	1.37E-23	-0.008	0.002	0.001	0.026	100.159	TRUE	8.21E-22
FEV1	ZC3H12A	cg16371538	rs10908353	G	A	0.179	0.030	0.187	3.82E-09	0.004	0.003	0.209	0.009	34.695	TRUE	9.92E-09
FEV1	ZC3H12A	cg16371538	rs10908365	G	C	-0.176	0.025	0.316	3.96E-12	-0.002	0.003	0.349	0.013	48.116	TRUE	1.04E-11
FEV1	ZC3H12A	cg16371538	rs11264057	G	T	0.310	0.043	0.077	4.71E-13	0.002	0.004	0.713	0.014	52.294	TRUE	9.06E-13
FEV1	ZC3H12A	cg16371538	rs114745536	C	T	-0.237	0.043	0.074	4.16E-08	-0.020	0.004	2.61E-06	0.008	30.059	TRUE	5.65E-07
FEV1	ZC3H12A	cg16371538	rs12128064	C	A	-0.233	0.036	0.116	1.13E-10	-0.003	0.004	0.421	0.011	41.564	TRUE	2.53E-10
FEV1	ZC3H12A	cg16371538	rs2660566	A	G	-0.494	0.023	0.458	4.14E-104	-0.007	0.002	0.005	0.113	469.237	TRUE	1.30E-96
FEV1	ZC3H12A	cg16371538	rs2745492	A	G	0.200	0.028	0.229	1.60E-12	0.006	0.003	0.024	0.013	49.896	TRUE	1.05E-11
FEV1	ZC3H12A	cg16371538	rs2811626	C	T	-0.220	0.027	0.253	2.52E-16	0.001	0.003	0.783	0.018	67.114	TRUE	5.30E-16
FEV1	ZC3H12A	cg16371538	rs34544045	T	C	-0.146	0.026	0.277	2.42E-08	0.001	0.003	0.794	0.008	31.112	TRUE	3.43E-08
FEV1	ZC3H12A	cg16371538	rs56008308	C	T	0.192	0.028	0.224	5.58E-12	0.001	0.003	0.835	0.013	47.447	TRUE	9.02E-12
FEV1	ZC3H12A	cg16371538	rs61778057	A	T	0.322	0.033	0.154	1.05E-22	0.008	0.003	0.015	0.025	96.117	TRUE	2.45E-21
FEV1	ZC3H12A	cg16371538	rs74066222	A	G	-0.393	0.034	0.129	1.06E-30	0.004	0.004	0.229	0.035	132.618	TRUE	1.66E-29
FEV1	ZC3H12A	cg16371538	rs7529580	G	A	0.190	0.028	0.231	7.80E-12	0.005	0.003	0.048	0.012	46.790	TRUE	4.05E-11
FEV1	ZC3H12A	cg19872095	rs2660566	A	G	-0.141	0.023	0.458	1.95E-09	-0.007	0.002	0.005	0.010	36.004	TRUE	1.26E-08
FEV1	ZC3H12A	cg24635860	rs114886934	T	C	0.796	0.089	0.044	2.45E-19	0.017	0.007	0.010	0.021	80.790	TRUE	4.41E-18
FEV1	ZC3H12A	cg24635860	rs75785507	A	G	0.188	0.024	0.341	1.75E-14	-0.008	0.002	0.001	0.016	58.768	TRUE	3.08E-13
FEV1	ZC3HC1	cg05055930	rs113556837	C	T	-0.440	0.045	0.071	3.67E-22	0.001	0.005	0.877	0.025	93.653	TRUE	9.99E-22
FEV1	ZC3HC1	cg05055930	rs117492117	A	G	-0.355	0.062	0.041	1.35E-08	-0.004	0.006	0.468	0.009	32.238	TRUE	2.51E-08
FEV1	ZC3HC1	cg05055930	rs117769781	T	C	-0.525	0.092	0.013	1.13E-08	-0.007	0.009	0.469	0.009	32.579	TRUE	2.10E-08
FEV1	ZC3HC1	cg05055930	rs13222487	T	C	-0.570	0.024	0.336	4.88E-128	-0.007	0.003	0.005	0.135	579.160	TRUE	5.13E-118
FEV1	ZC3HC1	cg05055930	rs2291457	G	C	-0.143	0.025	0.295	2.06E-08	-0.003	0.003	0.319	0.008	31.423	TRUE	4.36E-08
FEV1	ZC3HC1	cg05055930	rs2402983	G	A	-0.170	0.024	0.385	1.71E-12	-0.005	0.002	0.035	0.013	49.764	TRUE	1.03E-11
FEV1	ZC3HC1	cg05055930	rs4731661	G	C	-0.219	0.029	0.196	4.88E-14	-0.001	0.003	0.802	0.015	56.749	TRUE	8.90E-14
FEV1	ZC3HC1	cg05055930	rs6956444	G	A	0.307	0.052	0.055	4.57E-09	0.006	0.005	0.247	0.009	34.345	TRUE	1.11E-08
FEV1	ZC3HC1	cg05055930	rs73144794	T	C	0.233	0.028	0.244	3.35E-17	0.005	0.003	0.078	0.019	71.088	TRUE	2.44E-16
FEV1	ZC3HC1	cg05055930	rs77153860	C	A	-0.337	0.059	0.036	1.06E-08	-0.005	0.006	0.344	0.009	32.711	TRUE	2.23E-08
FEV1	ZC3HC1	cg05055930	rs7803250	A	G	-0.387	0.064	0.031	1.32E-09	0.000	0.007	0.994	0.010	36.770	TRUE	1.69E-09

FEV1	ZEB1	cg00520933	rs12572002	A	G	-0.346	0.056	0.044	7.87E-10	-0.013	0.006	0.027	0.010	37.772	TRUE	3.78E-09
FEV1	ZEB1	cg00520933	rs161278	C	A	-0.616	0.052	0.050	5.20E-32	0.001	0.005	0.879	0.036	138.596	TRUE	2.88E-31
FEV1	ZEB1	cg03719128	rs17295682	T	A	-0.334	0.056	0.042	1.73E-09	-0.005	0.006	0.413	0.010	36.236	TRUE	3.57E-09
FEV1	ZEB1	cg13303654	rs4749683	C	A	-0.206	0.025	0.370	8.49E-17	-0.003	0.002	0.309	0.018	69.255	TRUE	3.42E-16
FEV1	ZEB1	cg13303654	rs76146492	G	C	0.270	0.043	0.080	2.25E-10	-0.015	0.004	3.15E-04	0.011	40.213	TRUE	2.61E-09
FEV1	ZEB1	cg13303654	rs7924137	T	C	0.202	0.024	0.377	3.64E-17	-0.007	0.002	0.003	0.019	70.926	TRUE	7.13E-16
FEV1	ZEB1	cg24861272	rs57914422	A	G	-0.323	0.056	0.046	7.51E-09	-0.013	0.006	0.033	0.009	33.379	TRUE	3.11E-08
FEV1	ZEB1	cg24861272	rs7911781	T	A	-0.543	0.052	0.050	3.62E-25	0.001	0.005	0.930	0.028	107.353	TRUE	1.14E-24
FEV1FVC	AATF	cg02282317	rs62072263	A	G	0.257	0.023	0.486	3.58E-29	-0.001	0.002	0.709	0.033	125.629	TRUE	2.02E-28
FEV1FVC	AATF	cg02282317	rs9893681	A	T	-0.312	0.052	0.088	1.79E-09	0.006	0.004	0.138	0.010	36.172	TRUE	5.42E-09
FEV1FVC	AATF	cg03252536	rs57032547	A	G	0.700	0.105	0.020	2.30E-11	0.017	0.009	0.057	0.012	44.676	TRUE	1.06E-10
FEV1FVC	AATF	cg06385152	rs9905721	G	A	-0.680	0.095	0.026	9.08E-13	0.018	0.009	0.040	0.014	51.006	TRUE	5.39E-12
FEV1FVC	AATF	cg10760240	rs11658121	G	A	0.276	0.035	0.396	2.25E-15	0.003	0.003	0.242	0.017	62.797	TRUE	8.91E-15
FEV1FVC	AATF	cg10760240	rs1266175	G	A	0.229	0.024	0.379	1.69E-21	0.000	0.002	0.971	0.024	90.635	TRUE	3.98E-21
FEV1FVC	AATF	cg10760240	rs142385159	C	T	-1.099	0.074	0.027	8.98E-50	0.001	0.007	0.870	0.056	219.896	TRUE	2.80E-48
FEV1FVC	AATF	cg10760240	rs150059290	A	G	-0.417	0.048	0.124	6.14E-18	-0.004	0.004	0.271	0.020	74.436	TRUE	2.86E-17
FEV1FVC	AATF	cg10760240	rs150505510	C	G	-0.800	0.101	0.014	2.05E-15	-0.015	0.010	0.128	0.017	62.983	TRUE	1.07E-14
FEV1FVC	AATF	cg10760240	rs1634332	G	A	0.256	0.025	0.286	3.18E-24	0.002	0.003	0.536	0.027	103.049	TRUE	1.55E-23
FEV1FVC	AATF	cg10760240	rs17622603	C	T	-0.498	0.047	0.062	2.65E-26	-0.005	0.005	0.267	0.030	112.531	TRUE	2.51E-25
FEV1FVC	AATF	cg10760240	rs3110647	A	G	-0.203	0.032	0.427	2.91E-10	-0.001	0.002	0.748	0.011	39.711	TRUE	4.70E-10
FEV1FVC	AATF	cg10760240	rs72826148	T	A	-1.563	0.034	0.130	<1E-200	-0.001	0.004	0.807	0.361	2085.833	TRUE	<1E-200
FEV1FVC	AATF	cg10760240	rs72828293	T	C	-1.004	0.141	0.015	1.11E-12	0.000	0.009	0.980	0.013	50.616	TRUE	1.63E-12
FEV1FVC	AATF	cg11262262	rs62072264	C	T	-0.141	0.023	0.482	1.61E-09	-0.001	0.002	0.739	0.010	36.373	TRUE	2.51E-09
FEV1FVC	AATF	cg11262262	rs6607358	G	A	0.495	0.065	0.032	2.75E-14	-0.004	0.007	0.619	0.015	57.875	TRUE	6.21E-14
FEV1FVC	AATF	cg11262262	rs7216758	G	T	0.757	0.063	0.064	1.76E-33	0.002	0.005	0.692	0.038	145.315	TRUE	1.47E-32
FEV1FVC	AATF	cg11262262	rs80173298	C	T	0.713	0.102	0.014	2.75E-12	0.012	0.010	0.251	0.013	48.836	TRUE	8.47E-12
FEV1FVC	AATF	cg12996119	rs12453407	G	A	-0.199	0.023	0.470	7.92E-18	0.001	0.002	0.820	0.020	73.934	TRUE	1.74E-17
FEV1FVC	AATF	cg12996119	rs12936981	A	G	-0.421	0.068	0.052	6.48E-10	0.004	0.005	0.443	0.010	38.151	TRUE	1.33E-09
FEV1FVC	AATF	cg12996119	rs142385159	C	T	0.430	0.075	0.027	1.01E-08	0.001	0.007	0.870	0.009	32.802	TRUE	1.38E-08
FEV1FVC	AATF	cg12996119	rs17138899	C	A	-0.240	0.042	0.080	1.17E-08	-0.004	0.004	0.304	0.009	32.514	TRUE	2.56E-08
FEV1FVC	AATF	cg12996119	rs62072263	A	G	0.474	0.023	0.486	1.56E-96	-0.001	0.002	0.709	0.105	434.444	TRUE	8.06E-92
FEV1FVC	AATF	cg12996119	rs8076831	A	C	-0.184	0.032	0.438	8.80E-09	-0.002	0.002	0.454	0.009	33.073	TRUE	1.67E-08
FEV1FVC	AATF	cg12996119	rs9893060	A	G	-0.413	0.053	0.050	7.80E-15	0.006	0.006	0.302	0.016	60.351	TRUE	2.70E-14
FEV1FVC	AATF	cg14974722	rs9905721	G	A	-0.683	0.095	0.026	8.53E-13	0.018	0.009	0.040	0.014	51.128	TRUE	5.08E-12
FEV1FVC	ABL1	cg11464064	rs13295907	T	G	0.183	0.032	0.151	1.03E-08	-0.005	0.003	0.179	0.009	32.766	TRUE	2.73E-08
FEV1FVC	ABL1	cg11464064	rs35489589	C	T	0.847	0.154	0.015	3.76E-08	-0.013	0.010	0.205	0.008	30.252	TRUE	9.02E-08
FEV1FVC	ABL1	cg13440206	rs10901288	G	C	-0.196	0.035	0.134	1.48E-08	-0.008	0.004	0.030	0.009	32.061	TRUE	6.07E-08
FEV1FVC	ABL1	cg13449356	rs12338083	T	C	-0.484	0.034	0.136	5.81E-47	-0.006	0.004	0.071	0.053	207.017	TRUE	1.18E-44
FEV1FVC	ABL1	cg14102055	rs10751509	C	T	-0.148	0.023	0.478	3.08E-10	0.001	0.002	0.655	0.011	39.601	TRUE	5.36E-10
FEV1FVC	ABL1	cg14102055	rs10901285	A	G	0.178	0.025	0.301	2.42E-12	-0.002	0.003	0.451	0.013	49.085	TRUE	5.82E-12
FEV1FVC	ABL1	cg14102055	rs111382579	G	C	-0.551	0.080	0.020	4.71E-12	0.007	0.008	0.338	0.013	47.777	TRUE	1.26E-11
FEV1FVC	ABL1	cg14102055	rs2987902	T	A	-0.614	0.032	0.152	2.10E-82	-0.005	0.003	0.140	0.091	369.573	TRUE	6.40E-78

FEV1FVC	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	0.004	0.003	0.242	0.009	33.777	TRUE	1.47E-08
FEV1FVC	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	0.002	0.003	0.504	0.026	99.595	TRUE	8.90E-23
FEV1FVC	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	0.005	0.004	0.137	0.024	91.104	TRUE	1.20E-20
FEV1FVC	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	0.000	0.003	0.923	0.023	85.706	TRUE	4.79E-20
FEV1FVC	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	0.002	0.003	0.373	0.096	394.415	TRUE	2.22E-83
FEV1FVC	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	0.000	0.003	0.987	0.012	45.752	TRUE	1.84E-11
FEV1FVC	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	-0.003	0.004	0.442	0.024	91.003	TRUE	6.34E-21
FEV1FVC	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	0.004	0.003	0.243	0.166	735.001	TRUE	1.38E-149
FEV1FVC	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	0.005	0.004	0.277	0.021	80.430	TRUE	1.51E-18
FEV1FVC	ACSL1	cg01714284	rs11732302	C	T	0.552	0.081	0.022	1.22E-11	0.005	0.008	0.584	0.012	45.921	TRUE	2.42E-11
FEV1FVC	ACSL1	cg01714284	rs13127985	C	T	0.255	0.024	0.390	8.92E-26	0.004	0.003	0.085	0.029	110.128	TRUE	1.47E-24
FEV1FVC	ACSL1	cg01714284	rs2696051	G	T	-0.214	0.029	0.212	9.70E-14	-0.006	0.003	0.052	0.015	55.398	TRUE	5.96E-13
FEV1FVC	ACSL1	cg01714284	rs34653881	C	G	-0.162	0.027	0.260	2.64E-09	0.001	0.003	0.616	0.009	35.413	TRUE	4.43E-09
FEV1FVC	ACSL1	cg01714284	rs7686479	C	T	-0.660	0.034	0.141	7.75E-85	-0.005	0.003	0.152	0.093	380.740	TRUE	3.39E-80
FEV1FVC	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	0.002	0.003	0.504	0.009	32.239	TRUE	2.43E-08
FEV1FVC	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	-0.004	0.003	0.123	0.012	44.331	TRUE	1.01E-10
FEV1FVC	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	0.005	0.004	0.137	0.012	43.529	TRUE	1.47E-10
FEV1FVC	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	-0.005	0.004	0.148	0.019	72.679	TRUE	8.75E-17
FEV1FVC	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	0.004	0.003	0.243	0.008	30.509	TRUE	7.52E-08
FEV1FVC	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	-0.003	0.002	0.204	0.064	253.540	TRUE	1.63E-54
FEV1FVC	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	-0.005	0.002	0.030	0.011	42.716	TRUE	3.28E-10
FEV1FVC	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	0.002	0.003	0.504	0.010	38.437	TRUE	1.09E-09
FEV1FVC	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	-0.002	0.003	0.348	0.012	44.293	TRUE	6.91E-11
FEV1FVC	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	-0.005	0.003	0.091	0.020	74.207	TRUE	5.13E-17
FEV1FVC	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	-0.001	0.002	0.649	0.014	53.493	TRUE	5.27E-13
FEV1FVC	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	-0.002	0.007	0.771	0.010	36.790	TRUE	1.98E-09
FEV1FVC	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	-0.003	0.002	0.199	0.009	34.512	TRUE	1.10E-08
FEV1FVC	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	0.003	0.006	0.572	0.011	42.884	TRUE	1.11E-10
FEV1FVC	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	-0.002	0.003	0.447	0.064	251.555	TRUE	1.92E-54
FEV1FVC	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	-0.005	0.003	0.141	0.016	59.617	TRUE	5.33E-14
FEV1FVC	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	-0.006	0.002	0.019	0.017	63.888	TRUE	1.31E-14
FEV1FVC	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	-0.005	0.003	0.066	0.022	82.999	TRUE	8.08E-19
FEV1FVC	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	0.002	0.003	0.504	0.009	34.235	TRUE	8.94E-09
FEV1FVC	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	0.003	0.003	0.284	0.072	284.859	TRUE	4.51E-61
FEV1FVC	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	-0.005	0.002	0.030	0.014	51.736	TRUE	4.07E-12
FEV1FVC	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	0.001	0.003	0.838	0.016	59.829	TRUE	1.88E-14
FEV1FVC	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	-0.006	0.002	0.022	0.010	37.355	TRUE	4.93E-09
FEV1FVC	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	-0.001	0.003	0.783	0.008	31.397	TRUE	3.00E-08
FEV1FVC	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	-0.002	0.003	0.354	0.014	52.455	TRUE	1.22E-12
FEV1FVC	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	-0.004	0.004	0.333	0.008	29.901	TRUE	9.19E-08
FEV1FVC	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	-0.001	0.002	0.649	0.019	72.925	TRUE	3.52E-17
FEV1FVC	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	-0.003	0.003	0.274	0.012	43.708	TRUE	1.02E-10

FEV1FVC	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	-0.001	0.003	0.812	0.016	58.274	TRUE	4.14E-14
FEV1FVC	ACSL1	cg27112742	rs67469410	T	A	-0.207	0.032	0.164	2.08E-10	-0.003	0.003	0.341	0.011	40.367	TRUE	4.99E-10
FEV1FVC	ACSL1	cg27112742	rs72689214	C	G	-0.233	0.031	0.179	2.45E-14	-0.005	0.003	0.142	0.015	58.099	TRUE	1.09E-13
FEV1FVC	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	-0.005	0.003	0.152	0.075	300.418	TRUE	5.54E-64
FEV1FVC	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	0.005	0.003	0.044	0.017	64.683	TRUE	6.91E-15
FEV1FVC	ACSL5	cg02402091	rs11195943	T	C	-0.366	0.036	0.104	5.31E-24	0.016	0.004	1.79E-05	0.027	102.034	TRUE	8.47E-22
FEV1FVC	ACSL5	cg02402091	rs117517685	C	G	0.589	0.106	0.022	2.86E-08	-0.001	0.007	0.902	0.008	30.781	TRUE	3.74E-08
FEV1FVC	ACSL5	cg02402091	rs2419621	T	C	0.734	0.027	0.243	5.70E-166	0.001	0.003	0.611	0.169	753.492	TRUE	7.92E-154
FEV1FVC	ACSL5	cg02402091	rs7076991	A	G	-0.379	0.038	0.104	2.16E-23	-0.006	0.004	0.122	0.026	99.257	TRUE	2.37E-22
FEV1FVC	ACSL5	cg02402091	rs876281	G	A	-0.170	0.025	0.340	1.33E-11	-0.001	0.003	0.610	0.012	45.750	TRUE	2.55E-11
FEV1FVC	ACSL5	cg13333374	rs1926565	G	A	0.217	0.024	0.384	6.92E-19	-0.006	0.003	0.011	0.021	78.745	TRUE	1.13E-17
FEV1FVC	ACSL5	cg13849691	rs2094266	G	C	0.251	0.024	0.354	3.90E-25	0.009	0.003	4.91E-04	0.028	107.204	TRUE	3.31E-23
FEV1FVC	ACSL5	cg14991821	rs2419621	T	C	0.175	0.027	0.243	2.08E-10	0.001	0.003	0.611	0.011	40.369	TRUE	3.74E-10
FEV1FVC	ACSL5	cg16066219	rs11195956	A	T	-0.301	0.036	0.107	4.44E-17	0.016	0.004	1.48E-05	0.019	70.530	TRUE	2.41E-15
FEV1FVC	ACSL5	cg16066219	rs2419621	T	C	0.476	0.027	0.243	1.70E-67	0.001	0.003	0.611	0.075	301.158	TRUE	8.51E-65
FEV1FVC	ACSL5	cg16066219	rs7076991	A	G	-0.283	0.038	0.104	1.28E-13	-0.006	0.004	0.122	0.015	54.847	TRUE	5.78E-13
FEV1FVC	ACSL5	cg18733757	rs11195918	A	G	-0.293	0.037	0.105	1.06E-15	0.017	0.004	7.76E-06	0.017	64.279	TRUE	5.29E-14
FEV1FVC	ACSL5	cg18733757	rs2419621	T	C	0.837	0.025	0.243	3.67E-249	0.001	0.003	0.611	0.235	1135.982	TRUE	1.97E-224
FEV1FVC	ACSL5	cg18733757	rs4572070	A	G	-0.229	0.039	0.097	5.20E-09	-0.006	0.004	0.132	0.009	34.096	TRUE	1.52E-08
FEV1FVC	ACSL5	cg18733757	rs78053742	G	A	0.451	0.071	0.031	1.80E-10	-0.006	0.007	0.370	0.011	40.656	TRUE	4.14E-10
FEV1FVC	ACSL5	cg18733757	rs876281	G	A	-0.305	0.025	0.340	2.99E-34	-0.001	0.003	0.610	0.039	148.839	TRUE	2.98E-33
FEV1FVC	ACSL5	cg20707765	rs1926565	G	A	-0.534	0.024	0.384	3.32E-111	-0.006	0.003	0.011	0.119	501.826	TRUE	2.84E-103
FEV1FVC	ACSL5	cg20707765	rs2290965	C	G	0.290	0.036	0.105	8.18E-16	0.016	0.004	1.53E-05	0.017	64.792	TRUE	3.54E-14
FEV1FVC	ACSL5	cg20707765	rs72819629	A	T	-0.161	0.027	0.256	3.28E-09	-0.001	0.003	0.669	0.009	34.992	TRUE	5.31E-09
FEV1FVC	ACSL5	cg20707765	rs7913950	A	G	-0.280	0.048	0.062	6.61E-09	0.004	0.005	0.400	0.009	33.628	TRUE	1.33E-08
FEV1FVC	ACSL5	cg25780389	rs11195918	A	G	-0.211	0.036	0.105	7.85E-09	0.017	0.004	7.76E-06	0.009	33.294	TRUE	1.14E-07
FEV1FVC	ACSL5	cg25780389	rs2419621	T	C	0.361	0.028	0.243	6.61E-39	0.001	0.003	0.611	0.044	170.133	TRUE	1.02E-37
FEV1FVC	ACSL6	cg02257405	rs10059315	A	G	0.388	0.067	0.029	7.42E-09	0.000	0.007	0.975	0.009	33.403	TRUE	9.41E-09
FEV1FVC	ACSL6	cg19096799	rs10080188	A	T	0.321	0.058	0.039	3.09E-08	0.001	0.006	0.833	0.008	30.633	TRUE	4.25E-08
FEV1FVC	ADK	cg19889307	rs11001185	T	A	0.561	0.073	0.025	1.01E-14	-0.013	0.008	0.092	0.016	59.845	TRUE	5.56E-14
FEV1FVC	ADK	cg19889307	rs1908331	A	G	0.935	0.033	0.126	5.22E-179	-0.008	0.004	0.032	0.180	813.425	TRUE	2.52E-163
FEV1FVC	ADK	cg19889307	rs56180079	A	G	0.628	0.061	0.035	1.22E-24	-0.016	0.007	0.017	0.028	104.938	TRUE	3.42E-23
FEV1FVC	ADK	cg19889307	rs576082936	T	C	0.318	0.026	0.272	5.02E-35	0.005	0.003	0.082	0.040	152.378	TRUE	2.26E-33
FEV1FVC	ADK	cg19889307	rs839706	G	A	-0.178	0.028	0.233	1.13E-10	0.006	0.003	0.024	0.011	41.562	TRUE	6.18E-10
FEV1FVC	AGA	cg00398048	rs10027395	A	T	-0.372	0.036	0.118	3.65E-25	-0.010	0.004	0.009	0.028	107.337	TRUE	1.32E-23
FEV1FVC	AGA	cg00398048	rs114635384	A	G	0.431	0.077	0.037	2.26E-08	0.010	0.006	0.096	0.008	31.236	TRUE	6.84E-08
FEV1FVC	AGA	cg00398048	rs115617034	G	T	0.608	0.063	0.032	7.87E-22	0.013	0.007	0.052	0.024	92.140	TRUE	1.07E-20
FEV1FVC	AGA	cg00398048	rs12499096	G	A	0.990	0.021	0.311	<1E-200	0.006	0.003	0.019	0.377	2233.701	TRUE	<1E-200
FEV1FVC	AGA	cg00398048	rs12513248	T	A	-0.243	0.028	0.225	1.61E-18	0.000	0.003	0.985	0.020	77.074	TRUE	3.20E-18
FEV1FVC	AGA	cg00398048	rs13104185	G	C	0.183	0.030	0.193	6.56E-10	0.000	0.003	0.904	0.010	38.127	TRUE	9.22E-10
FEV1FVC	AGA	cg00398048	rs17691256	G	A	0.390	0.040	0.091	5.74E-23	0.005	0.004	0.176	0.026	97.322	TRUE	5.07E-22
FEV1FVC	AGA	cg00398048	rs1840276	T	C	-0.186	0.030	0.189	6.42E-10	0.002	0.003	0.446	0.010	38.168	TRUE	1.32E-09

FEV1FVC	AGA	cg00398048	rs34192299	C	T	0.183	0.026	0.281	1.39E-12	0.004	0.003	0.122	0.013	50.174	TRUE	5.63E-12
FEV1FVC	AGA	cg00398048	rs35723369	G	A	0.497	0.041	0.096	1.98E-33	0.008	0.004	0.048	0.038	145.080	TRUE	9.85E-32
FEV1FVC	AGA	cg00398048	rs4690513	C	T	-0.282	0.035	0.119	9.20E-16	-0.002	0.004	0.493	0.017	64.559	TRUE	2.61E-15
FEV1FVC	AGA	cg00398048	rs72494099	T	G	-0.236	0.030	0.181	9.25E-15	0.001	0.003	0.796	0.016	60.018	TRUE	1.78E-14
FEV1FVC	AGA	cg00398048	rs72704907	A	G	0.425	0.060	0.031	1.39E-12	-0.002	0.006	0.769	0.013	50.175	TRUE	2.45E-12
FEV1FVC	AGA	cg00398048	rs72704968	A	G	-0.470	0.031	0.169	8.25E-51	-0.002	0.003	0.481	0.057	224.648	TRUE	6.29E-49
FEV1FVC	AGA	cg00398048	rs74626221	A	C	-0.622	0.113	0.024	3.85E-08	0.002	0.008	0.822	0.008	30.207	TRUE	5.31E-08
FEV1FVC	AGA	cg07155684	rs11131803	G	A	-0.360	0.032	0.168	3.12E-30	-0.003	0.003	0.451	0.034	130.474	TRUE	2.90E-29
FEV1FVC	AGA	cg07155684	rs59345653	G	A	0.184	0.026	0.304	1.88E-12	0.006	0.003	0.017	0.013	49.574	TRUE	1.38E-11
FEV1FVC	AGA	cg07155684	rs72705000	T	C	-0.180	0.030	0.180	3.22E-09	0.001	0.003	0.793	0.009	35.027	TRUE	4.71E-09
FEV1FVC	AGA	cg07155684	rs74626221	A	C	-0.679	0.113	0.024	1.92E-09	0.002	0.008	0.822	0.010	36.036	TRUE	2.80E-09
FEV1FVC	AGA	cg09976051	rs10010428	T	C	-0.193	0.031	0.172	5.58E-10	0.001	0.003	0.713	0.010	38.444	TRUE	9.10E-10
FEV1FVC	AGA	cg09976051	rs10027395	A	T	0.276	0.036	0.118	1.86E-14	-0.010	0.004	0.009	0.016	58.643	TRUE	1.93E-13
FEV1FVC	AGA	cg09976051	rs1105059	C	T	0.827	0.021	0.328	<1E-200	0.002	0.003	0.482	0.289	1503.388	TRUE	1.97E-288
FEV1FVC	AGA	cg09976051	rs112876916	T	C	-0.573	0.079	0.028	5.21E-13	0.006	0.008	0.450	0.014	52.098	TRUE	1.29E-12
FEV1FVC	AGA	cg09976051	rs114960083	T	A	-0.406	0.065	0.031	3.00E-10	0.016	0.007	0.031	0.011	39.656	TRUE	1.47E-09
FEV1FVC	AGA	cg09976051	rs13151496	G	A	0.229	0.039	0.101	4.72E-09	0.000	0.004	0.922	0.009	34.284	TRUE	6.27E-09
FEV1FVC	AGA	cg09976051	rs17064813	A	G	0.295	0.044	0.083	1.31E-11	-0.006	0.004	0.176	0.012	45.777	TRUE	4.35E-11
FEV1FVC	AGA	cg09976051	rs2333643	G	C	-0.462	0.026	0.279	2.94E-68	0.006	0.003	0.040	0.076	304.651	TRUE	2.16E-64
FEV1FVC	AGA	cg09976051	rs4047772	G	C	-0.196	0.032	0.395	1.35E-09	0.003	0.003	0.173	0.010	36.717	TRUE	3.85E-09
FEV1FVC	AGA	cg09976051	rs4437200	C	G	0.171	0.025	0.313	9.16E-12	-0.004	0.003	0.128	0.012	46.476	TRUE	3.55E-11
FEV1FVC	AGA	cg09976051	rs4690512	A	G	-0.313	0.029	0.184	2.73E-26	0.001	0.003	0.735	0.030	112.472	TRUE	1.18E-25
FEV1FVC	AGA	cg09976051	rs6832968	G	A	-0.526	0.032	0.156	1.12E-60	-0.003	0.003	0.309	0.068	269.886	TRUE	4.91E-58
FEV1FVC	AGA	cg09976051	rs72704907	A	G	-0.337	0.060	0.031	1.85E-08	-0.002	0.006	0.769	0.008	31.624	TRUE	2.69E-08
FEV1FVC	AGA	cg09976051	rs75658424	T	C	-0.488	0.049	0.062	8.92E-24	0.004	0.005	0.468	0.027	101.007	TRUE	4.72E-23
FEV1FVC	AGA	cg09976051	rs79987378	C	T	0.547	0.064	0.037	1.37E-17	-0.008	0.006	0.157	0.019	72.853	TRUE	7.94E-17
FEV1FVC	AGA	cg16070743	rs12499096	G	A	0.193	0.026	0.311	6.34E-14	0.006	0.003	0.019	0.015	56.231	TRUE	5.02E-13
FEV1FVC	AGRP	cg06285333	rs111986796	T	C	0.614	0.091	0.020	1.23E-11	0.026	0.010	0.009	0.012	45.897	TRUE	9.29E-11
FEV1FVC	AGRP	cg06285333	rs6499130	T	G	-0.365	0.043	0.076	3.38E-17	0.037	0.005	1.03E-16	0.019	71.073	TRUE	3.77E-14
FEV1FVC	AHRR	cg03569073	rs2672770	A	C	0.255	0.025	0.298	2.08E-24	-0.004	0.003	0.087	0.027	103.886	TRUE	2.92E-23
FEV1FVC	AHRR	cg09662430	rs10054612	A	G	-0.433	0.044	0.081	4.33E-23	0.002	0.004	0.695	0.026	97.881	TRUE	1.58E-22
FEV1FVC	AHRR	cg09662430	rs10440690	A	G	-0.327	0.044	0.077	6.10E-14	0.003	0.005	0.578	0.015	56.308	TRUE	1.39E-13
FEV1FVC	AHRR	cg09662430	rs116266266	A	G	-0.769	0.114	0.013	1.66E-11	-0.023	0.012	0.064	0.012	45.312	TRUE	7.55E-11
FEV1FVC	AHRR	cg09662430	rs11746538	A	C	-0.217	0.037	0.117	4.25E-09	-0.011	0.004	0.004	0.009	34.486	TRUE	2.71E-08
FEV1FVC	AHRR	cg09662430	rs13154323	C	T	-0.157	0.024	0.453	2.94E-11	0.000	0.002	0.949	0.012	44.195	TRUE	4.24E-11
FEV1FVC	AHRR	cg09662430	rs151191270	T	C	-0.603	0.080	0.026	4.07E-14	-0.007	0.008	0.367	0.015	57.102	TRUE	1.22E-13
FEV1FVC	AHRR	cg09662430	rs389363	A	G	-0.357	0.044	0.068	1.01E-15	0.006	0.005	0.223	0.017	64.375	TRUE	4.33E-15
FEV1FVC	AHRR	cg09662430	rs56051594	T	C	0.179	0.024	0.412	7.57E-14	-0.005	0.002	0.045	0.015	55.884	TRUE	4.82E-13
FEV1FVC	AHRR	cg09662430	rs62331561	T	C	0.405	0.034	0.138	8.00E-33	0.009	0.004	0.013	0.037	142.311	TRUE	6.34E-31
FEV1FVC	AHRR	cg09662430	rs77465551	G	A	-0.209	0.034	0.130	1.40E-09	-0.002	0.004	0.576	0.010	36.647	TRUE	2.51E-09
FEV1FVC	AHRR	cg09662430	rs870502	T	C	-0.699	0.024	0.301	5.74E-187	-0.005	0.003	0.078	0.187	850.012	TRUE	1.36E-170
FEV1FVC	AHRR	cg09854184	rs6879758	C	G	-0.428	0.048	0.065	3.51E-19	0.010	0.005	0.059	0.021	80.083	TRUE	3.48E-18

FEV1FVC	AHRR	cg11148817	rs62329994	A	G	-0.277	0.047	0.068	3.04E-09	0.010	0.005	0.041	0.009	35.140	TRUE	1.23E-08
FEV1FVC	AHRR	cg16081854	rs1035908	T	C	0.398	0.039	0.100	3.80E-24	-0.002	0.004	0.658	0.027	102.696	TRUE	1.54E-23
FEV1FVC	AHRR	cg16081854	rs112317010	A	G	0.779	0.093	0.014	8.20E-17	0.007	0.009	0.446	0.018	69.324	TRUE	2.66E-16
FEV1FVC	AHRR	cg16081854	rs115479894	G	T	0.413	0.071	0.029	6.30E-09	0.002	0.007	0.781	0.009	33.722	TRUE	9.22E-09
FEV1FVC	AHRR	cg16081854	rs115772618	G	C	0.509	0.088	0.020	6.47E-09	0.012	0.008	0.163	0.009	33.670	TRUE	1.77E-08
FEV1FVC	AHRR	cg16081854	rs116314028	T	C	-0.492	0.039	0.110	2.85E-36	-0.006	0.004	0.165	0.041	158.081	TRUE	9.86E-35
FEV1FVC	AHRR	cg16081854	rs12716167	A	G	0.295	0.042	0.096	1.80E-12	-0.009	0.004	0.027	0.013	49.669	TRUE	1.13E-11
FEV1FVC	AHRR	cg16081854	rs13172732	C	T	0.843	0.019	0.451	<1E-200	0.001	0.002	0.628	0.343	1933.194	TRUE	<1E-200
FEV1FVC	AHRR	cg16081854	rs145851861	T	C	0.581	0.089	0.017	7.01E-11	-0.004	0.008	0.592	0.011	42.495	TRUE	1.32E-10
FEV1FVC	AHRR	cg16081854	rs151191270	T	C	0.660	0.080	0.026	1.67E-16	-0.007	0.008	0.367	0.018	67.926	TRUE	5.93E-16
FEV1FVC	AHRR	cg16081854	rs2721011	G	C	0.552	0.030	0.189	1.76E-77	0.011	0.003	3.17E-04	0.086	346.977	TRUE	9.28E-72
FEV1FVC	AHRR	cg16081854	rs34398974	G	A	-0.637	0.037	0.102	1.31E-66	0.003	0.004	0.419	0.074	297.089	TRUE	9.31E-64
FEV1FVC	AHRR	cg16081854	rs35342079	G	A	-0.368	0.024	0.427	5.30E-55	-0.003	0.002	0.223	0.062	243.859	TRUE	1.40E-52
FEV1FVC	AHRR	cg16081854	rs35839513	G	T	-0.596	0.097	0.033	8.52E-10	-0.006	0.006	0.283	0.010	37.618	TRUE	2.08E-09
FEV1FVC	AHRR	cg16081854	rs35914637	C	T	-0.158	0.026	0.252	1.48E-09	-0.012	0.003	5.65E-06	0.010	36.537	TRUE	2.60E-08
FEV1FVC	AHRR	cg16081854	rs36004765	T	C	0.470	0.041	0.093	5.83E-30	0.005	0.004	0.197	0.034	129.229	TRUE	9.49E-29
FEV1FVC	AHRR	cg16081854	rs4957061	T	C	-0.205	0.024	0.486	7.27E-18	-0.004	0.002	0.075	0.020	74.103	TRUE	5.87E-17
FEV1FVC	AHRR	cg16081854	rs588820	A	G	-0.237	0.043	0.189	3.92E-08	0.000	0.003	0.959	0.008	30.175	TRUE	4.93E-08
FEV1FVC	AHRR	cg16081854	rs62330027	A	T	0.683	0.037	0.101	1.41E-74	0.003	0.004	0.507	0.083	333.649	TRUE	2.65E-71
FEV1FVC	AHRR	cg16081854	rs6883247	G	A	0.613	0.043	0.076	3.03E-46	-0.003	0.005	0.477	0.052	203.732	TRUE	1.34E-44
FEV1FVC	AHRR	cg16081854	rs72702726	T	C	-0.402	0.054	0.047	7.68E-14	-0.002	0.006	0.737	0.015	55.856	TRUE	1.49E-13
FEV1FVC	AHRR	cg16081854	rs72710812	A	G	0.419	0.068	0.030	9.86E-10	0.014	0.007	0.045	0.010	37.332	TRUE	4.11E-09
FEV1FVC	AHRR	cg16081854	rs7724374	A	G	0.633	0.025	0.291	6.97E-145	-0.005	0.003	0.042	0.151	656.568	TRUE	1.05E-133
FEV1FVC	AHRR	cg17310215	rs10053800	G	A	-0.224	0.034	0.141	3.21E-11	0.006	0.004	0.117	0.012	44.021	TRUE	1.18E-10
FEV1FVC	AHRR	cg17310215	rs6885901	A	G	-0.263	0.023	0.486	1.59E-30	0.002	0.002	0.475	0.034	131.809	TRUE	1.44E-29
FEV1FVC	AHRR	cg17989581	rs10054902	A	G	0.175	0.027	0.242	9.05E-11	0.007	0.003	0.015	0.011	41.993	TRUE	5.65E-10
FEV1FVC	AHRR	cg17989581	rs1574220	C	T	0.492	0.042	0.081	8.57E-32	0.010	0.004	0.027	0.036	137.603	TRUE	4.65E-30
FEV1FVC	AHRR	cg17989581	rs3932940	C	T	0.132	0.024	0.361	3.39E-08	-0.002	0.003	0.427	0.008	30.454	TRUE	6.36E-08
FEV1FVC	AIRE	cg03146797	rs1055311	T	C	0.324	0.026	0.283	1.17E-36	-0.003	0.003	0.319	0.041	159.843	TRUE	2.54E-35
FEV1FVC	AIRE	cg03146797	rs12482028	C	T	-0.183	0.027	0.227	1.84E-11	0.004	0.003	0.186	0.012	45.113	TRUE	6.09E-11
FEV1FVC	AIRE	cg08089567	rs2838534	C	T	-0.256	0.042	0.083	1.10E-09	0.004	0.004	0.378	0.010	37.113	TRUE	2.37E-09
FEV1FVC	AIRE	cg09510531	rs2741985	C	T	-0.140	0.024	0.366	6.59E-09	0.007	0.002	0.005	0.009	33.633	TRUE	4.15E-08
FEV1FVC	AIRE	cg09510531	rs2776375	A	G	0.144	0.024	0.427	1.88E-09	-0.001	0.002	0.679	0.010	36.071	TRUE	3.07E-09
FEV1FVC	AIRE	cg09510531	rs2838534	C	T	-0.287	0.042	0.083	7.13E-12	0.004	0.004	0.378	0.013	46.967	TRUE	1.77E-11
FEV1FVC	AIRE	cg11923631	rs2741985	C	T	-0.150	0.024	0.366	4.79E-10	0.007	0.002	0.005	0.010	38.742	TRUE	3.53E-09
FEV1FVC	AIRE	cg11923631	rs2838534	C	T	-0.287	0.042	0.083	7.00E-12	0.004	0.004	0.378	0.013	47.002	TRUE	1.74E-11
FEV1FVC	AIRE	cg11923631	rs762420	A	G	-0.212	0.039	0.102	4.11E-08	0.000	0.004	0.913	0.008	30.079	TRUE	5.30E-08
FEV1FVC	AIRE	cg16501323	rs2776375	A	G	0.141	0.024	0.427	3.88E-09	-0.001	0.002	0.679	0.009	34.662	TRUE	6.22E-09
FEV1FVC	AIRE	cg16501323	rs2838534	C	T	-0.303	0.042	0.083	4.63E-13	0.004	0.004	0.378	0.014	52.329	TRUE	1.25E-12
FEV1FVC	AIRE	cg16717549	rs2838534	C	T	-0.292	0.042	0.083	3.25E-12	0.004	0.004	0.378	0.013	48.504	TRUE	8.27E-12
FEV1FVC	AIRE	cg16717549	rs762420	A	G	-0.211	0.039	0.102	4.71E-08	0.000	0.004	0.913	0.008	29.818	TRUE	6.05E-08
FEV1FVC	AIRE	cg17356252	rs2838534	C	T	-0.250	0.042	0.083	2.65E-09	0.004	0.004	0.378	0.009	35.410	TRUE	5.53E-09

FEV1FVC	AIRE	cg18689454	rs2838534	C	T	-0.309	0.042	0.083	1.68E-13	0.004	0.004	0.378	0.014	54.324	TRUE	4.65E-13
FEV1FVC	AIRE	cg27251412	rs2838534	C	T	-0.283	0.042	0.083	1.55E-11	0.004	0.004	0.378	0.012	45.444	TRUE	3.76E-11
FEV1FVC	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	-0.001	0.003	0.590	0.012	43.544	TRUE	7.76E-11
FEV1FVC	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	0.000	0.006	0.975	0.041	156.423	TRUE	4.39E-35
FEV1FVC	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	-0.006	0.004	0.176	0.031	119.299	TRUE	1.21E-26
FEV1FVC	AKT1	cg01921845	rs2494733	G	C	-0.756	0.023	0.321	6.44E-232	-0.009	0.003	7.40E-04	0.222	1056.685	TRUE	1.81E-206
FEV1FVC	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	0.006	0.005	0.238	0.012	43.327	TRUE	1.31E-10
FEV1FVC	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	0.002	0.003	0.583	0.037	141.017	TRUE	1.40E-31
FEV1FVC	AKT1	cg02072813	rs45490496	A	T	0.144	0.024	0.400	3.21E-09	-0.003	0.003	0.268	0.009	35.034	TRUE	7.72E-09
FEV1FVC	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	-0.009	0.003	0.004	0.016	58.597	TRUE	2.35E-13
FEV1FVC	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	-0.004	0.006	0.483	0.010	38.610	TRUE	1.02E-09
FEV1FVC	AKT1	cg02884928	rs117082627	A	G	-0.793	0.119	0.011	3.21E-11	-0.019	0.013	0.135	0.012	44.020	TRUE	1.13E-10
FEV1FVC	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	-0.015	0.008	0.060	0.019	70.217	TRUE	4.14E-16
FEV1FVC	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	-0.008	0.005	0.077	0.152	661.492	TRUE	6.52E-135
FEV1FVC	AKT1	cg02884928	rs3001410	T	C	-0.206	0.030	0.205	4.76E-12	-0.003	0.003	0.358	0.013	47.756	TRUE	1.23E-11
FEV1FVC	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	-0.002	0.003	0.431	0.070	276.632	TRUE	1.38E-59
FEV1FVC	AKT1	cg04820159	rs2494742	C	G	-0.432	0.044	0.076	4.43E-23	-0.007	0.005	0.155	0.026	97.834	TRUE	4.19E-22
FEV1FVC	AKT1	cg04820159	rs36214921	C	G	0.272	0.026	0.300	4.70E-26	-0.002	0.003	0.421	0.029	111.396	TRUE	3.12E-25
FEV1FVC	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	-0.002	0.003	0.427	0.023	88.465	TRUE	2.25E-20
FEV1FVC	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	-0.003	0.003	0.173	0.012	45.134	TRUE	6.04E-11
FEV1FVC	AKT1	cg12100463	rs61758556	T	A	-0.246	0.036	0.142	8.26E-12	-0.004	0.003	0.211	0.012	46.677	TRUE	2.66E-11
FEV1FVC	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	-0.005	0.004	0.214	0.010	36.908	TRUE	3.25E-09
FEV1FVC	AKT1	cg12789068	rs118174518	C	G	-2.123	0.108	0.012	2.02E-86	-0.014	0.009	0.119	0.095	388.011	TRUE	1.49E-81
FEV1FVC	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	0.003	0.004	0.472	0.009	33.914	TRUE	1.08E-08
FEV1FVC	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	-0.003	0.003	0.354	0.008	31.381	TRUE	4.25E-08
FEV1FVC	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	0.000	0.004	0.960	0.015	57.467	TRUE	5.47E-14
FEV1FVC	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	-0.004	0.004	0.384	0.013	48.421	TRUE	8.73E-12
FEV1FVC	AKT1	cg13986355	rs2498786	C	G	0.147	0.024	0.392	1.13E-09	-0.004	0.003	0.151	0.010	37.063	TRUE	3.39E-09
FEV1FVC	AKT1	cg14184729	rs35455320	G	C	-0.216	0.036	0.117	1.90E-09	-0.005	0.004	0.173	0.010	36.055	TRUE	5.31E-09
FEV1FVC	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	-0.009	0.003	4.12E-04	0.046	176.802	TRUE	1.82E-37
FEV1FVC	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	-0.004	0.006	0.483	0.009	34.600	TRUE	7.54E-09
FEV1FVC	AKT1	cg14274357	rs117082627	A	G	-0.809	0.119	0.011	1.30E-11	-0.019	0.013	0.135	0.012	45.786	TRUE	4.76E-11
FEV1FVC	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	-0.015	0.008	0.060	0.022	81.931	TRUE	1.41E-18
FEV1FVC	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	-0.008	0.005	0.075	0.172	768.220	TRUE	3.54E-155
FEV1FVC	AKT1	cg14274357	rs3001410	T	C	-0.195	0.030	0.205	6.09E-11	-0.003	0.003	0.358	0.011	42.770	TRUE	1.45E-10
FEV1FVC	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.001	0.004	0.834	0.008	30.293	TRUE	5.05E-08
FEV1FVC	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	-0.002	0.003	0.431	0.072	285.448	TRUE	2.16E-61
FEV1FVC	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	-0.009	0.003	0.001	0.011	41.425	TRUE	1.18E-09
FEV1FVC	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	-0.003	0.003	0.212	0.101	413.893	TRUE	5.42E-87
FEV1FVC	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	0.002	0.003	0.583	0.008	30.375	TRUE	5.79E-08
FEV1FVC	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	-0.007	0.003	0.004	0.014	52.272	TRUE	4.97E-12
FEV1FVC	AKT1	cg18426060	rs45490496	A	T	-0.392	0.024	0.400	9.67E-61	-0.003	0.003	0.268	0.068	270.173	TRUE	4.92E-58

FEV1FVC	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	-0.003	0.003	0.212	0.016	61.080	TRUE	2.20E-14
FEV1FVC	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	0.002	0.003	0.583	0.021	80.776	TRUE	8.00E-19
FEV1FVC	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	-0.005	0.003	0.104	0.020	75.339	TRUE	2.86E-17
FEV1FVC	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	-0.008	0.003	0.009	0.118	494.977	TRUE	7.86E-102
FEV1FVC	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	-0.002	0.003	0.520	0.010	37.335	TRUE	1.84E-09
FEV1FVC	AKT1	cg23176538	rs3803304	G	C	0.517	0.026	0.254	4.32E-87	-0.007	0.003	0.013	0.096	391.088	TRUE	2.08E-81
FEV1FVC	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	0.004	0.002	0.131	0.015	55.388	TRUE	4.44E-13
FEV1FVC	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	-0.005	0.004	0.146	0.012	44.314	TRUE	9.63E-11
FEV1FVC	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	-0.007	0.004	0.047	0.010	35.929	TRUE	8.18E-09
FEV1FVC	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	0.004	0.003	0.134	0.050	194.325	TRUE	3.31E-42
FEV1FVC	AKT1	cg26023960	rs71421880	A	T	-0.776	0.036	0.106	5.60E-105	-0.005	0.004	0.160	0.113	473.227	TRUE	1.20E-98
FEV1FVC	AKT1	cg26099837	rs45490496	A	T	0.139	0.024	0.400	5.85E-09	-0.003	0.003	0.268	0.009	33.867	TRUE	1.38E-08
FEV1FVC	AP1G1	cg05493952	rs8058188	G	A	-0.160	0.027	0.264	2.96E-09	0.001	0.003	0.822	0.009	35.192	TRUE	4.26E-09
FEV1FVC	AP1G1	cg10085824	rs11075901	A	C	-0.259	0.031	0.169	1.79E-16	-0.001	0.003	0.794	0.018	67.788	TRUE	3.84E-16
FEV1FVC	AP1G1	cg10085824	rs11649535	G	A	-0.216	0.032	0.165	1.21E-11	0.002	0.003	0.563	0.012	45.925	TRUE	2.49E-11
FEV1FVC	AP1G1	cg10085824	rs1774414	T	C	0.144	0.026	0.260	4.78E-08	-0.004	0.003	0.206	0.008	29.786	TRUE	1.15E-07
FEV1FVC	AP1G1	cg10085824	rs2270832	A	G	0.443	0.024	0.353	7.52E-77	-0.002	0.003	0.371	0.085	344.077	TRUE	3.04E-73
FEV1FVC	AP1G1	cg10085824	rs4788541	T	C	0.182	0.025	0.355	2.64E-13	-0.004	0.003	0.110	0.014	53.430	TRUE	1.21E-12
FEV1FVC	AP1G1	cg10085824	rs62055044	T	G	0.311	0.054	0.049	7.44E-09	-0.013	0.006	0.014	0.009	33.397	TRUE	3.59E-08
FEV1FVC	AP1G1	cg10085824	rs6558	C	G	-0.216	0.035	0.134	6.08E-10	0.004	0.004	0.251	0.010	38.274	TRUE	1.57E-09
FEV1FVC	AP1G1	cg10085824	rs7203606	C	A	-0.204	0.033	0.141	7.32E-10	-0.004	0.003	0.220	0.010	37.914	TRUE	1.98E-09
FEV1FVC	AP1G1	cg10085824	rs806735	T	C	0.192	0.029	0.196	7.02E-11	0.001	0.003	0.645	0.011	42.492	TRUE	1.27E-10
FEV1FVC	AP1G1	cg10085824	rs9940728	A	C	0.152	0.024	0.481	1.26E-10	0.001	0.002	0.776	0.011	41.347	TRUE	2.02E-10
FEV1FVC	AP1G1	cg10407113	rs9932707	C	A	0.184	0.023	0.455	3.52E-15	-0.007	0.002	0.003	0.016	61.917	TRUE	5.36E-14
FEV1FVC	AP1G1	cg13701124	rs35981926	T	A	0.234	0.034	0.131	8.85E-12	-0.001	0.004	0.695	0.012	46.542	TRUE	1.60E-11
FEV1FVC	AP1M2	cg01562385	rs12609501	G	T	0.288	0.025	0.294	8.29E-31	0.006	0.003	0.029	0.035	133.100	TRUE	3.70E-29
FEV1FVC	AP1M2	cg01562385	rs34516961	G	A	0.223	0.031	0.158	1.27E-12	0.008	0.003	0.015	0.013	50.342	TRUE	9.59E-12
FEV1FVC	AP1M2	cg01562385	rs7252007	T	C	-0.238	0.033	0.145	9.34E-13	0.005	0.003	0.119	0.014	50.951	TRUE	3.95E-12
FEV1FVC	AP1M2	cg01654627	rs78671428	T	G	-0.451	0.041	0.082	8.23E-28	0.000	0.004	0.925	0.031	119.413	TRUE	3.11E-27
FEV1FVC	AP1M2	cg07434260	rs10409805	C	A	0.264	0.031	0.188	7.04E-18	-0.010	0.003	0.002	0.020	74.164	TRUE	1.73E-16
FEV1FVC	AP1M2	cg07434260	rs10411063	A	G	-0.424	0.033	0.144	7.09E-37	0.006	0.003	0.100	0.042	160.842	TRUE	3.56E-35
FEV1FVC	AP1M2	cg07434260	rs11085734	A	G	0.141	0.024	0.498	2.39E-09	-0.009	0.002	3.25E-04	0.010	35.611	TRUE	2.31E-08
FEV1FVC	AP1M2	cg07434260	rs114238717	T	C	0.395	0.069	0.028	1.03E-08	0.014	0.007	0.032	0.009	32.757	TRUE	4.17E-08
FEV1FVC	AP1M2	cg07434260	rs147622113	T	C	-0.419	0.073	0.029	8.70E-09	0.018	0.007	0.015	0.009	33.094	TRUE	4.13E-08
FEV1FVC	AP1M2	cg07434260	rs28600132	G	T	0.173	0.024	0.396	1.25E-12	0.003	0.002	0.160	0.013	50.382	TRUE	4.75E-12
FEV1FVC	AP1M2	cg07434260	rs4804540	A	T	0.233	0.035	0.121	4.81E-11	-0.008	0.004	0.041	0.012	43.230	TRUE	2.34E-10
FEV1FVC	AP1M2	cg07434260	rs59614858	T	G	-0.324	0.051	0.053	2.81E-10	0.000	0.005	0.968	0.011	39.783	TRUE	3.78E-10
FEV1FVC	AP1M2	cg07434260	rs7258256	G	A	0.346	0.025	0.296	5.47E-44	0.006	0.003	0.018	0.050	193.396	TRUE	1.59E-41
FEV1FVC	AP1M2	cg07434260	rs78256348	T	C	-0.249	0.030	0.199	3.93E-17	-0.002	0.003	0.453	0.019	70.772	TRUE	1.31E-16
FEV1FVC	AP1M2	cg08148553	rs10408934	A	G	-0.269	0.031	0.165	1.02E-17	0.001	0.003	0.846	0.019	73.440	TRUE	2.19E-17
FEV1FVC	AP1M2	cg08148553	rs10411063	A	G	-0.488	0.033	0.144	1.13E-48	0.006	0.003	0.100	0.055	214.851	TRUE	2.41E-46
FEV1FVC	AP1M2	cg08148553	rs11085734	A	G	0.161	0.024	0.498	7.68E-12	-0.009	0.002	3.25E-04	0.012	46.820	TRUE	1.10E-10

FEV1FVC	AP1M2	cg08148553	rs12609501	G	T	0.516	0.025	0.294	2.08E-97	0.006	0.003	0.029	0.106	438.462	TRUE	4.07E-91
FEV1FVC	AP1M2	cg08148553	rs150696463	T	C	0.438	0.068	0.030	1.50E-10	0.014	0.007	0.039	0.011	41.007	TRUE	7.13E-10
FEV1FVC	AP1M2	cg08148553	rs1821280	A	G	0.216	0.030	0.192	1.16E-12	-0.010	0.003	0.001	0.013	50.529	TRUE	1.52E-11
FEV1FVC	AP1M2	cg08148553	rs34516961	G	A	0.325	0.032	0.158	5.76E-25	0.008	0.003	0.015	0.028	106.434	TRUE	1.75E-23
FEV1FVC	AP1M2	cg08148553	rs3786717	C	T	-0.146	0.023	0.437	3.56E-10	0.002	0.002	0.462	0.011	39.320	TRUE	7.36E-10
FEV1FVC	AP1M2	cg08148553	rs73496568	A	C	-0.280	0.029	0.203	1.30E-21	-0.002	0.003	0.433	0.024	91.147	TRUE	6.04E-21
FEV1FVC	AP1M2	cg08148553	rs73500697	A	G	-0.303	0.050	0.055	1.73E-09	0.001	0.005	0.843	0.010	36.237	TRUE	2.47E-09
FEV1FVC	AP1M2	cg11657665	rs12985734	G	A	-0.289	0.025	0.294	9.64E-31	0.006	0.003	0.026	0.035	132.800	TRUE	4.46E-29
FEV1FVC	AP1M2	cg11657665	rs187371841	T	C	-0.516	0.040	0.088	8.63E-38	-0.001	0.004	0.804	0.043	165.026	TRUE	8.78E-37
FEV1FVC	AP1M2	cg11657665	rs34883264	T	A	-0.153	0.025	0.324	6.02E-10	0.000	0.003	0.867	0.010	38.293	TRUE	8.59E-10
FEV1FVC	AP1M2	cg11657665	rs35769432	A	G	0.572	0.030	0.192	3.85E-82	-0.010	0.003	0.001	0.091	368.361	TRUE	2.69E-76
FEV1FVC	AP1M2	cg11657665	rs76186695	T	G	0.269	0.030	0.195	1.01E-19	0.001	0.003	0.853	0.022	82.543	TRUE	2.47E-19
FEV1FVC	AP1M2	cg11657665	rs77357022	A	G	-0.290	0.043	0.074	2.54E-11	0.007	0.004	0.099	0.012	44.475	TRUE	1.01E-10
FEV1FVC	AP1M2	cg14985481	rs12985734	G	A	0.149	0.025	0.294	1.75E-09	0.006	0.003	0.026	0.010	36.210	TRUE	7.95E-09
FEV1FVC	AP1M2	cg14985481	rs4804509	G	A	-0.306	0.030	0.188	2.63E-24	-0.010	0.003	0.001	0.027	103.422	TRUE	1.63E-22
FEV1FVC	AP1M2	cg15555932	rs10411063	A	G	-0.618	0.033	0.144	2.08E-78	0.006	0.003	0.100	0.087	351.226	TRUE	4.17E-74
FEV1FVC	AP1M2	cg15555932	rs10422687	G	C	0.350	0.031	0.187	2.57E-30	-0.010	0.003	0.002	0.034	130.855	TRUE	3.20E-28
FEV1FVC	AP1M2	cg15555932	rs11085734	A	G	0.174	0.024	0.498	1.38E-13	-0.009	0.002	3.25E-04	0.015	54.697	TRUE	2.56E-12
FEV1FVC	AP1M2	cg15555932	rs11671812	T	C	-0.434	0.055	0.044	2.38E-15	0.001	0.005	0.879	0.017	62.687	TRUE	4.37E-15
FEV1FVC	AP1M2	cg15555932	rs12609501	G	T	0.533	0.025	0.294	6.65E-105	0.006	0.003	0.029	0.113	472.882	TRUE	6.49E-98
FEV1FVC	AP1M2	cg15555932	rs12710257	A	G	-0.207	0.028	0.219	2.91E-13	0.002	0.003	0.487	0.014	53.236	TRUE	7.05E-13
FEV1FVC	AP1M2	cg15555932	rs147622113	T	C	-0.428	0.073	0.029	4.32E-09	0.018	0.007	0.015	0.009	34.455	TRUE	2.13E-08
FEV1FVC	AP1M2	cg15555932	rs150696463	T	C	0.571	0.068	0.030	5.85E-17	0.014	0.007	0.039	0.019	69.990	TRUE	5.42E-16
FEV1FVC	AP1M2	cg15555932	rs1799898	T	C	0.211	0.034	0.137	3.74E-10	-0.001	0.004	0.720	0.010	39.222	TRUE	6.15E-10
FEV1FVC	AP1M2	cg15555932	rs34516961	G	A	0.349	0.031	0.158	1.34E-28	0.008	0.003	0.015	0.032	123.012	TRUE	6.25E-27
FEV1FVC	AP1M2	cg15555932	rs3745255	A	G	-0.288	0.025	0.340	1.72E-30	0.000	0.003	0.984	0.034	131.651	TRUE	7.48E-30
FEV1FVC	AP1M2	cg15555932	rs4804521	A	G	-0.513	0.080	0.021	1.69E-10	-0.002	0.008	0.791	0.011	40.769	TRUE	2.66E-10
FEV1FVC	AP1M2	cg16589555	rs12710256	C	T	-0.395	0.052	0.059	2.68E-14	0.016	0.005	0.003	0.015	57.924	TRUE	3.50E-13
FEV1FVC	AP1M2	cg23652172	rs8113212	A	G	-0.157	0.026	0.261	1.63E-09	0.005	0.003	0.081	0.010	36.353	TRUE	5.73E-09
FEV1FVC	AP1M2	cg26292442	rs7248205	C	T	0.136	0.024	0.400	1.36E-08	0.009	0.002	1.69E-04	0.009	32.231	TRUE	1.30E-07
FEV1FVC	AP1M2	cg26999505	rs12978228	T	G	-0.394	0.030	0.188	2.47E-39	-0.010	0.003	0.002	0.044	172.087	TRUE	1.06E-36
FEV1FVC	AP1M2	cg26999505	rs12985008	T	C	0.136	0.025	0.290	4.39E-08	0.006	0.003	0.015	0.008	29.953	TRUE	1.95E-07
FEV1FVC	AP1M2	cg27104822	rs10411063	A	G	-0.289	0.033	0.144	5.18E-18	0.006	0.003	0.100	0.020	74.770	TRUE	3.77E-17
FEV1FVC	AP1M2	cg27104822	rs12976824	G	A	0.327	0.025	0.294	2.66E-39	0.005	0.003	0.035	0.044	171.940	TRUE	3.01E-37
FEV1FVC	AP1M2	cg27104822	rs28600132	G	T	0.155	0.024	0.396	1.89E-10	0.003	0.002	0.160	0.011	40.558	TRUE	5.97E-10
FEV1FVC	AP1M2	cg27104822	rs56135394	A	T	0.264	0.036	0.121	1.28E-13	0.005	0.004	0.194	0.015	54.848	TRUE	4.88E-13
FEV1FVC	AP1S1	cg16914953	rs139972715	A	G	0.369	0.064	0.032	7.21E-09	0.011	0.007	0.088	0.009	33.460	TRUE	2.33E-08
FEV1FVC	AP1S1	cg16914953	rs1468358	C	T	0.148	0.025	0.295	3.97E-09	0.006	0.003	0.023	0.009	34.619	TRUE	1.84E-08
FEV1FVC	AP1S1	cg16914953	rs17880573	T	C	0.229	0.032	0.149	1.47E-12	-0.002	0.003	0.608	0.013	50.060	TRUE	2.99E-12
FEV1FVC	AP1S1	cg16914953	rs2074686	G	A	0.181	0.023	0.443	2.66E-15	0.008	0.002	5.52E-04	0.017	62.473	TRUE	5.92E-14
FEV1FVC	AP1S1	cg16914953	rs35567816	C	T	0.145	0.023	0.469	3.29E-10	0.003	0.002	0.222	0.011	39.472	TRUE	9.00E-10
FEV1FVC	AP1S1	cg16914953	rs3919482	G	A	0.551	0.039	0.088	9.43E-46	0.009	0.004	0.037	0.052	201.474	TRUE	2.42E-43

FEV1FVC	AP1S1	cg24080086	rs10281471	G	A	-0.145	0.023	0.487	2.90E-10	0.006	0.002	0.013	0.011	39.719	TRUE	1.72E-09
FEV1FVC	AP3B1	cg05620865	rs6453381	T	C	-0.265	0.025	0.293	1.89E-26	-0.003	0.003	0.326	0.030	113.206	TRUE	1.56E-25
FEV1FVC	AP3B1	cg06844454	rs10041079	A	T	-0.199	0.025	0.312	3.72E-15	-0.004	0.003	0.136	0.016	61.809	TRUE	1.89E-14
FEV1FVC	AP3B1	cg08976646	rs13185314	T	G	-0.159	0.023	0.495	1.39E-11	-0.006	0.002	0.013	0.012	45.665	TRUE	9.38E-11
FEV1FVC	AP3B1	cg08976646	rs13186263	C	G	-0.195	0.031	0.178	1.86E-10	-0.003	0.003	0.402	0.011	40.585	TRUE	4.14E-10
FEV1FVC	AP3B1	cg11100795	rs10474528	G	T	0.624	0.114	0.011	3.94E-08	0.009	0.008	0.315	0.008	30.165	TRUE	8.23E-08
FEV1FVC	AP3B1	cg11100795	rs10514134	A	T	0.230	0.036	0.121	2.20E-10	0.001	0.004	0.805	0.011	40.260	TRUE	3.38E-10
FEV1FVC	AP3B1	cg11100795	rs113399409	C	A	0.960	0.146	0.013	5.17E-11	-0.006	0.011	0.570	0.012	43.089	TRUE	1.01E-10
FEV1FVC	AP3B1	cg11100795	rs116646778	C	T	-0.867	0.146	0.017	2.75E-09	-0.006	0.008	0.449	0.009	35.337	TRUE	5.40E-09
FEV1FVC	AP3B1	cg11100795	rs13158128	A	G	-0.988	0.022	0.262	<1E-200	-0.003	0.003	0.195	0.358	2065.599	TRUE	<1E-200
FEV1FVC	AP3B1	cg11100795	rs13436862	G	A	-0.749	0.117	0.023	1.35E-10	-0.003	0.009	0.750	0.011	41.219	TRUE	2.19E-10
FEV1FVC	AP3B1	cg11100795	rs2288391	G	C	-0.529	0.069	0.030	1.43E-14	0.008	0.007	0.249	0.016	59.164	TRUE	5.24E-14
FEV1FVC	AP3B1	cg11100795	rs252797	G	T	0.265	0.036	0.120	2.10E-13	-0.006	0.004	0.086	0.014	53.880	TRUE	1.03E-12
FEV1FVC	AP3B1	cg11100795	rs34341923	C	G	-0.655	0.097	0.016	1.20E-11	-0.014	0.010	0.144	0.012	45.953	TRUE	4.31E-11
FEV1FVC	AP3B1	cg11100795	rs4551047	T	C	0.355	0.023	0.459	1.93E-52	-0.007	0.002	0.005	0.059	232.123	TRUE	3.45E-49
FEV1FVC	AP3B1	cg11100795	rs4613678	A	T	-0.898	0.072	0.031	2.16E-35	0.005	0.007	0.477	0.040	154.055	TRUE	3.05E-34
FEV1FVC	AP3B1	cg11100795	rs56225756	T	C	-0.166	0.024	0.483	3.30E-12	0.002	0.002	0.368	0.013	48.476	TRUE	8.44E-12
FEV1FVC	AP3B1	cg11100795	rs57400528	A	T	0.344	0.027	0.252	1.24E-36	0.003	0.003	0.213	0.041	159.728	TRUE	3.63E-35
FEV1FVC	AP3B1	cg11100795	rs68052233	A	G	0.372	0.028	0.215	1.36E-39	0.003	0.003	0.295	0.045	173.281	TRUE	4.55E-38
FEV1FVC	AP3B1	cg11100795	rs6878181	G	A	-0.190	0.034	0.353	2.38E-08	-0.003	0.003	0.209	0.008	31.139	TRUE	5.84E-08
FEV1FVC	AP3B1	cg11100795	rs71634916	C	T	-0.795	0.079	0.020	1.28E-23	-0.007	0.010	0.444	0.026	100.297	TRUE	6.90E-23
FEV1FVC	AP3B1	cg11100795	rs9293744	C	T	-0.313	0.025	0.317	6.97E-36	-0.004	0.003	0.082	0.041	156.303	TRUE	3.30E-34
FEV1FVC	AP3B1	cg26158634	rs10474528	G	T	-0.645	0.114	0.011	1.36E-08	0.009	0.008	0.315	0.009	32.226	TRUE	2.94E-08
FEV1FVC	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	0.007	0.007	0.276	0.014	53.476	TRUE	8.27E-13
FEV1FVC	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	-0.005	0.002	0.058	0.014	51.210	TRUE	4.43E-12
FEV1FVC	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	-0.006	0.003	0.017	0.017	65.306	TRUE	6.51E-15
FEV1FVC	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	0.004	0.007	0.616	0.014	51.552	TRUE	1.43E-12
FEV1FVC	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	0.003	0.004	0.456	0.024	92.082	TRUE	3.72E-21
FEV1FVC	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	0.000	0.003	0.986	0.009	33.796	TRUE	7.60E-09
FEV1FVC	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	-0.004	0.006	0.546	0.011	42.261	TRUE	1.55E-10
FEV1FVC	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	-0.014	0.006	0.021	0.014	52.151	TRUE	3.59E-12
FEV1FVC	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	-0.001	0.003	0.705	0.010	37.052	TRUE	1.82E-09
FEV1FVC	AP3B2	cg14907737	rs7181761	G	A	-0.137	0.024	0.369	2.16E-08	-0.007	0.003	0.009	0.008	31.325	TRUE	1.10E-07
FEV1FVC	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	0.003	0.009	0.703	0.037	142.831	TRUE	4.79E-32
FEV1FVC	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	0.011	0.007	0.134	0.025	93.851	TRUE	3.12E-21
FEV1FVC	AP3B2	cg18253757	rs4513065	G	C	0.174	0.030	0.198	4.93E-09	-0.002	0.003	0.616	0.009	34.197	TRUE	8.24E-09
FEV1FVC	AP3B2	cg18253757	rs62009945	A	T	-0.145	0.025	0.309	1.07E-08	-0.006	0.003	0.028	0.009	32.690	TRUE	4.44E-08
FEV1FVC	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	0.005	0.003	0.066	0.008	29.857	TRUE	1.47E-07
FEV1FVC	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	-0.006	0.003	0.017	0.015	56.581	TRUE	4.43E-13
FEV1FVC	AP3B2	cg20194856	rs4513065	G	C	0.197	0.029	0.198	2.53E-11	-0.002	0.003	0.616	0.012	44.483	TRUE	4.80E-11
FEV1FVC	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	-0.007	0.003	0.008	0.008	29.766	TRUE	2.37E-07
FEV1FVC	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	-0.002	0.003	0.454	0.017	62.195	TRUE	8.86E-15

FEV1FVC	AP3B2	cg21071896	rs12902742	A	T	0.442	0.043	0.082	2.99E-25	0.004	0.004	0.330	0.028	107.728	TRUE	2.26E-24
FEV1FVC	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	0.024	0.010	0.013	0.113	469.497	TRUE	5.97E-97
FEV1FVC	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	0.014	0.006	0.030	0.021	79.528	TRUE	5.83E-18
FEV1FVC	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	0.014	0.003	4.69E-07	0.010	36.068	TRUE	3.96E-08
FEV1FVC	AP3B2	cg21071896	rs7184045	C	G	0.231	0.025	0.340	1.72E-20	0.001	0.003	0.568	0.023	86.038	TRUE	6.08E-20
FEV1FVC	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	-0.010	0.004	0.031	0.016	59.989	TRUE	7.35E-14
FEV1FVC	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	-0.002	0.003	0.454	0.013	48.151	TRUE	9.18E-12
FEV1FVC	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	0.000	0.003	0.922	0.018	67.773	TRUE	3.36E-16
FEV1FVC	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	-0.008	0.003	0.003	0.013	47.149	TRUE	6.32E-11
FEV1FVC	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	-0.002	0.003	0.454	0.020	74.575	TRUE	2.00E-17
FEV1FVC	AP3D1	cg09261902	rs2238599	C	T	-0.571	0.022	0.498	2.54E-142	0.002	0.002	0.347	0.148	644.796	TRUE	1.37E-132
FEV1FVC	AP3D1	cg09261902	rs58491369	T	C	-0.275	0.030	0.184	1.39E-19	0.007	0.003	0.023	0.022	81.918	TRUE	2.04E-18
FEV1FVC	AP3D1	cg09261902	rs74984359	A	G	0.898	0.058	0.040	3.75E-54	-0.010	0.006	0.067	0.061	239.965	TRUE	2.16E-51
FEV1FVC	AP3D1	cg09548694	rs35500266	T	C	-0.184	0.024	0.428	9.80E-15	0.000	0.002	0.856	0.016	59.903	TRUE	1.77E-14
FEV1FVC	AP3D1	cg09548694	rs73516521	C	T	0.218	0.034	0.127	2.66E-10	-0.003	0.003	0.315	0.011	39.887	TRUE	6.46E-10
FEV1FVC	AP3D1	cg09548694	rs75483641	T	C	0.495	0.031	0.161	1.20E-55	0.011	0.003	9.01E-04	0.063	246.814	TRUE	7.55E-52
FEV1FVC	AP3D1	cg10746224	rs2240130	A	G	-0.248	0.036	0.257	9.68E-12	-0.008	0.003	0.004	0.012	46.367	TRUE	8.37E-11
FEV1FVC	AP3D1	cg10746224	rs73916852	A	G	-0.930	0.099	0.013	3.84E-21	-0.020	0.010	0.043	0.023	89.007	TRUE	5.23E-20
FEV1FVC	AP3D1	cg11349093	rs79847850	C	T	-0.219	0.031	0.167	3.51E-12	0.009	0.003	0.004	0.013	48.356	TRUE	3.41E-11
FEV1FVC	AP3D1	cg17656426	rs11671102	C	G	-0.179	0.026	0.293	4.81E-12	0.001	0.003	0.716	0.013	47.736	TRUE	8.71E-12
FEV1FVC	AP3D1	cg17656426	rs4807216	C	T	-0.219	0.033	0.140	3.37E-11	-0.003	0.003	0.428	0.012	43.928	TRUE	7.64E-11
FEV1FVC	AP3D1	cg17656426	rs62128400	A	G	0.565	0.023	0.429	8.87E-133	-0.001	0.002	0.804	0.140	600.945	TRUE	9.10E-125
FEV1FVC	AP3D1	cg17656426	rs73516521	C	T	-0.196	0.035	0.127	1.46E-08	-0.003	0.003	0.315	0.009	32.087	TRUE	3.13E-08
FEV1FVC	AP3D1	cg17656426	rs75223679	A	G	-0.276	0.032	0.168	2.07E-18	0.010	0.003	0.002	0.020	76.579	TRUE	5.42E-17
FEV1FVC	AP3D1	cg17656426	rs886449	A	G	-0.223	0.029	0.205	2.85E-14	-0.005	0.003	0.092	0.015	57.801	TRUE	1.52E-13
FEV1FVC	AP3D1	cg19290738	rs10418405	C	G	-0.278	0.030	0.180	6.56E-20	-0.009	0.003	0.003	0.022	83.397	TRUE	1.72E-18
FEV1FVC	AP3D1	cg19290738	rs112415544	A	G	-0.527	0.093	0.014	1.65E-08	-0.017	0.010	0.082	0.009	31.851	TRUE	5.27E-08
FEV1FVC	AP3D1	cg19290738	rs117473937	A	G	0.739	0.128	0.018	7.00E-09	0.010	0.010	0.319	0.009	33.516	TRUE	1.54E-08
FEV1FVC	AP3D1	cg19290738	rs2523178	A	G	-0.278	0.026	0.290	3.59E-27	0.000	0.003	0.961	0.031	116.496	TRUE	1.22E-26
FEV1FVC	AP3D1	cg19290738	rs7245402	A	G	-0.156	0.025	0.328	4.59E-10	-0.005	0.003	0.044	0.010	38.825	TRUE	1.98E-09
FEV1FVC	AP3D1	cg19290738	rs73512109	A	G	0.241	0.044	0.080	4.00E-08	0.005	0.005	0.252	0.008	30.132	TRUE	8.92E-08
FEV1FVC	AP3D1	cg19290738	rs73516521	C	T	-0.296	0.034	0.127	9.22E-18	-0.003	0.003	0.315	0.020	73.632	TRUE	3.88E-17
FEV1FVC	AP3D1	cg19290738	rs74521370	A	G	0.646	0.096	0.019	1.57E-11	0.014	0.008	0.099	0.012	45.424	TRUE	6.28E-11
FEV1FVC	AP3D1	cg19290738	rs75223679	A	G	-0.563	0.031	0.168	4.22E-74	0.010	0.003	0.002	0.082	331.465	TRUE	5.22E-69
FEV1FVC	AP3D1	cg19290738	rs757595	T	C	-0.472	0.041	0.080	3.78E-30	-0.005	0.004	0.275	0.034	130.090	TRUE	5.02E-29
FEV1FVC	AP3D1	cg19290738	rs758287	C	T	0.904	0.018	0.428	<1E-200	-0.001	0.002	0.747	0.393	2392.083	TRUE	<1E-200
FEV1FVC	AP3D1	cg19290738	rs886449	A	G	-0.560	0.029	0.205	2.84E-85	-0.005	0.003	0.092	0.094	382.739	TRUE	2.12E-80
FEV1FVC	AP3D1	cg21414902	rs2018890	G	A	-0.169	0.023	0.428	6.74E-13	0.000	0.002	0.868	0.014	51.591	TRUE	1.11E-12
FEV1FVC	AP3D1	cg22598241	rs2238612	T	C	0.383	0.023	0.499	1.71E-62	0.003	0.002	0.286	0.070	278.205	TRUE	9.93E-60
FEV1FVC	AP3D1	cg22598241	rs58491369	T	C	0.193	0.030	0.184	2.02E-10	0.007	0.003	0.023	0.011	40.423	TRUE	1.09E-09
FEV1FVC	AP3D1	cg22598241	rs77671679	T	C	-1.273	0.060	0.035	1.60E-101	-0.010	0.006	0.107	0.110	457.351	TRUE	2.64E-95
FEV1FVC	AP3D1	cg24185130	rs12608586	T	G	-0.545	0.091	0.014	2.40E-09	-0.018	0.010	0.070	0.010	35.596	TRUE	8.63E-09

FEV1FVC	AP3D1	cg24185130	rs12609225	G	A	-0.565	0.027	0.234	3.43E-94	0.004	0.003	0.121	0.103	423.685	TRUE	1.14E-88
FEV1FVC	AP3D1	cg24185130	rs7246186	A	G	-0.169	0.024	0.375	3.99E-12	0.007	0.003	0.004	0.013	48.101	TRUE	3.69E-11
FEV1FVC	AP3D1	cg27089789	rs1106861	A	G	-1.486	0.060	0.035	7.30E-135	-0.010	0.006	0.095	0.142	610.522	TRUE	3.28E-125
FEV1FVC	AP3D1	cg27089789	rs2238612	T	C	0.137	0.023	0.499	4.38E-09	0.003	0.002	0.286	0.009	34.430	TRUE	9.97E-09
FEV1FVC	AP3M1	cg15023646	rs34885185	C	T	0.134	0.024	0.390	1.66E-08	0.007	0.002	0.005	0.009	31.843	TRUE	9.65E-08
FEV1FVC	AP3M1	cg26469011	rs12357316	A	G	-0.203	0.023	0.498	2.60E-18	0.003	0.002	0.297	0.020	76.132	TRUE	1.18E-17
FEV1FVC	AP3M1	cg26469011	rs143812518	T	C	-0.344	0.036	0.267	3.14E-22	-0.024	0.017	0.160	0.025	93.960	TRUE	2.74E-21
FEV1FVC	AP3M1	cg26469011	rs4746209	T	G	-0.235	0.025	0.312	3.58E-21	0.003	0.003	0.211	0.024	89.146	TRUE	2.42E-20
FEV1FVC	AP3M1	cg26469011	rs60942669	A	G	-0.355	0.048	0.065	1.52E-13	0.006	0.005	0.255	0.015	54.518	TRUE	5.16E-13
FEV1FVC	AP3M1	cg26469011	rs6480719	G	T	-0.494	0.026	0.265	3.62E-82	0.013	0.003	1.20E-06	0.091	368.485	TRUE	4.18E-75
FEV1FVC	AP3M1	cg26469011	rs7098444	C	T	-0.134	0.024	0.409	1.30E-08	0.005	0.002	0.027	0.009	32.318	TRUE	5.37E-08
FEV1FVC	AP3M1	cg26469011	rs839696	G	A	-0.189	0.028	0.244	9.90E-12	0.004	0.003	0.162	0.012	46.323	TRUE	3.43E-11
FEV1FVC	AP4E1	cg02338191	rs10519289	T	C	0.279	0.028	0.210	6.36E-24	0.004	0.003	0.227	0.027	101.675	TRUE	5.35E-23
FEV1FVC	AP4E1	cg05389038	rs12442028	C	T	0.315	0.040	0.093	3.37E-15	0.000	0.004	0.924	0.016	62.007	TRUE	5.90E-15
FEV1FVC	AP4E1	cg05389038	rs12708423	G	A	-0.431	0.069	0.027	4.03E-10	-0.004	0.007	0.547	0.010	39.079	TRUE	7.63E-10
FEV1FVC	AP4E1	cg05389038	rs142069683	T	A	0.468	0.033	0.146	4.18E-45	0.011	0.003	0.001	0.051	198.514	TRUE	4.90E-42
FEV1FVC	AP4E1	cg05389038	rs146676154	C	T	-0.402	0.068	0.029	2.98E-09	-0.007	0.007	0.333	0.009	35.180	TRUE	6.59E-09
FEV1FVC	AP4E1	cg05389038	rs149451788	C	T	0.383	0.057	0.045	2.22E-11	0.006	0.006	0.316	0.012	44.740	TRUE	5.89E-11
FEV1FVC	AP4E1	cg05389038	rs150018499	A	T	0.574	0.096	0.015	2.47E-09	0.004	0.010	0.700	0.010	35.545	TRUE	3.93E-09
FEV1FVC	AP4E1	cg05389038	rs17523880	A	C	0.198	0.034	0.135	4.29E-09	0.004	0.003	0.199	0.009	34.468	TRUE	1.13E-08
FEV1FVC	AP4E1	cg05389038	rs17599340	C	T	0.356	0.029	0.203	5.61E-34	0.000	0.003	0.900	0.038	147.588	TRUE	3.60E-33
FEV1FVC	AP4E1	cg05389038	rs17599663	C	G	-0.538	0.065	0.030	8.30E-17	0.018	0.006	0.005	0.018	69.300	TRUE	1.34E-15
FEV1FVC	AP4E1	cg05389038	rs2445749	T	C	-0.170	0.026	0.313	3.92E-11	-0.002	0.003	0.407	0.012	43.630	TRUE	8.94E-11
FEV1FVC	AP4E1	cg05389038	rs28621809	T	C	-0.805	0.020	0.431	<1E-200	-0.008	0.002	7.72E-04	0.304	1612.059	TRUE	8.51E-303
FEV1FVC	AP4E1	cg05389038	rs28757162	A	G	-0.349	0.040	0.095	1.10E-18	0.004	0.004	0.341	0.021	77.822	TRUE	4.78E-18
FEV1FVC	AP4E1	cg05389038	rs55946545	C	T	0.278	0.050	0.060	3.72E-08	0.004	0.005	0.505	0.008	30.271	TRUE	6.47E-08
FEV1FVC	AP4E1	cg05389038	rs56396299	T	G	-0.323	0.031	0.176	3.17E-25	-0.014	0.003	1.67E-05	0.028	107.615	TRUE	5.87E-23
FEV1FVC	AP4E1	cg05389038	rs59415822	C	T	-0.190	0.024	0.403	1.01E-15	-0.010	0.002	4.96E-05	0.017	64.382	TRUE	3.67E-14
FEV1FVC	AP4E1	cg05389038	rs62018844	G	A	0.454	0.051	0.058	6.58E-19	-0.004	0.005	0.459	0.021	78.844	TRUE	2.43E-18
FEV1FVC	AP4E1	cg05389038	rs648381	C	T	0.406	0.036	0.115	3.39E-29	0.002	0.004	0.611	0.033	125.740	TRUE	2.22E-28
FEV1FVC	AP4E1	cg05389038	rs72727118	T	A	-0.443	0.076	0.024	5.29E-09	-0.005	0.007	0.474	0.009	34.060	TRUE	1.00E-08
FEV1FVC	AP4E1	cg05389038	rs78196407	G	T	-0.385	0.053	0.058	2.35E-13	0.013	0.005	0.012	0.014	53.658	TRUE	2.02E-12
FEV1FVC	AP4E1	cg05389038	rs78376852	G	A	0.187	0.032	0.148	6.56E-09	0.001	0.003	0.795	0.009	33.642	TRUE	9.42E-09
FEV1FVC	AP4E1	cg05389038	rs79469565	T	C	-0.278	0.050	0.105	3.20E-08	0.005	0.004	0.203	0.008	30.569	TRUE	7.73E-08
FEV1FVC	AP4E1	cg05389038	rs8025206	C	T	-0.314	0.024	0.386	5.76E-40	-0.003	0.009	0.727	0.045	174.984	TRUE	8.24E-39
FEV1FVC	AP4E1	cg05389038	rs882299	G	A	-0.488	0.050	0.059	1.03E-22	0.001	0.005	0.910	0.025	96.166	TRUE	2.82E-22
FEV1FVC	AP4E1	cg05389038	rs9972359	C	T	-0.216	0.024	0.417	1.54E-19	-0.007	0.002	0.002	0.022	81.705	TRUE	4.38E-18
FEV1FVC	AP4E1	cg09951650	rs10775143	C	T	-0.135	0.023	0.425	7.71E-09	0.004	0.002	0.082	0.009	33.329	TRUE	2.55E-08
FEV1FVC	AP4E1	cg09951650	rs111775104	T	A	0.485	0.086	0.047	1.72E-08	0.008	0.007	0.252	0.009	31.771	TRUE	3.98E-08
FEV1FVC	AP4E1	cg09951650	rs11857513	A	G	0.398	0.070	0.026	1.16E-08	-0.003	0.007	0.670	0.009	32.528	TRUE	1.83E-08
FEV1FVC	AP4E1	cg09951650	rs6493470	A	G	0.384	0.028	0.210	4.08E-44	0.004	0.003	0.219	0.050	193.980	TRUE	2.86E-42
FEV1FVC	AP4E1	cg21246271	rs12595627	T	C	0.138	0.024	0.343	1.08E-08	0.002	0.003	0.348	0.009	32.672	TRUE	2.24E-08

FEV1FVC	AP4E1	cg21246271	rs2614793	A	G	-0.282	0.027	0.234	7.92E-26	-0.014	0.003	1.66E-06	0.029	110.362	TRUE	2.71E-23
FEV1FVC	ARF1	cg06625004	rs10799420	T	C	-0.198	0.029	0.185	1.82E-11	0.001	0.003	0.678	0.012	45.135	TRUE	3.32E-11
FEV1FVC	ARF1	cg06625004	rs11582265	T	C	-1.280	0.041	0.073	4.57E-209	-0.011	0.005	0.015	0.205	951.613	TRUE	1.63E-188
FEV1FVC	ARF1	cg06625004	rs12138930	G	T	-0.193	0.028	0.206	1.19E-11	-0.001	0.003	0.734	0.012	45.955	TRUE	2.08E-11
FEV1FVC	ARF1	cg06625004	rs147909101	T	C	-0.937	0.116	0.013	7.14E-16	0.000	0.010	0.990	0.017	65.060	TRUE	1.21E-15
FEV1FVC	ARF1	cg06625004	rs4233231	A	G	-0.168	0.024	0.412	2.78E-12	0.003	0.002	0.208	0.013	48.812	TRUE	9.44E-12
FEV1FVC	ARF1	cg06625004	rs493945	G	A	-0.243	0.024	0.378	2.06E-24	-0.004	0.003	0.135	0.027	103.909	TRUE	2.35E-23
FEV1FVC	ARF1	cg06625004	rs61827004	A	G	-0.266	0.033	0.153	4.55E-16	0.000	0.003	0.895	0.018	65.945	TRUE	8.47E-16
FEV1FVC	ARF1	cg06625004	rs7524236	T	C	0.175	0.030	0.180	9.81E-09	0.001	0.003	0.801	0.009	32.860	TRUE	1.41E-08
FEV1FVC	ARF1	cg06625004	rs77969686	G	A	-0.516	0.056	0.035	2.33E-20	-0.008	0.006	0.150	0.023	85.443	TRUE	1.75E-19
FEV1FVC	ARL16	cg08782899	rs34384005	G	A	0.475	0.051	0.057	1.22E-20	-0.011	0.005	0.031	0.023	86.727	TRUE	1.78E-19
FEV1FVC	ARL16	cg19292749	rs145397742	G	A	0.365	0.067	0.038	4.56E-08	-0.007	0.006	0.285	0.008	29.881	TRUE	9.74E-08
FEV1FVC	ARL16	cg19292749	rs6565592	T	G	0.142	0.025	0.300	1.52E-08	0.000	0.003	0.995	0.009	32.013	TRUE	1.88E-08
FEV1FVC	ARL16	cg19292749	rs76645549	A	G	0.484	0.075	0.026	1.02E-10	-0.017	0.007	0.021	0.011	41.751	TRUE	5.77E-10
FEV1FVC	ARL16	cg19292749	rs8066889	G	T	0.445	0.028	0.221	1.04E-57	-0.002	0.003	0.550	0.065	256.277	TRUE	1.55E-55
FEV1FVC	ARL16	cg22209573	rs35619236	C	T	0.289	0.051	0.055	1.66E-08	-0.012	0.005	0.023	0.009	31.835	TRUE	6.98E-08
FEV1FVC	ARSB	cg01026730	rs10040592	G	A	0.473	0.041	0.088	2.63E-30	0.013	0.004	0.002	0.034	130.807	TRUE	2.81E-28
FEV1FVC	ARSB	cg01026730	rs11747224	T	C	0.313	0.056	0.094	2.71E-08	-0.008	0.004	0.055	0.008	30.886	TRUE	9.25E-08
FEV1FVC	ARSB	cg01026730	rs12187584	C	A	-0.294	0.024	0.442	1.07E-35	0.005	0.002	0.048	0.040	155.442	TRUE	6.80E-34
FEV1FVC	ARSB	cg01026730	rs12655680	G	A	-0.233	0.024	0.464	1.18E-22	0.001	0.002	0.580	0.025	95.897	TRUE	4.78E-22
FEV1FVC	ARSB	cg01026730	rs163216	A	G	-0.763	0.021	0.446	1.18E-301	0.005	0.002	0.038	0.271	1377.400	TRUE	9.08E-265
FEV1FVC	ARSB	cg01026730	rs337847	G	A	0.348	0.041	0.085	9.33E-18	-0.005	0.004	0.239	0.020	73.609	TRUE	4.49E-17
FEV1FVC	ARSB	cg01026730	rs612855	A	G	0.175	0.025	0.339	1.70E-12	-0.003	0.003	0.176	0.013	49.774	TRUE	6.16E-12
FEV1FVC	ARSB	cg01026730	rs62377898	A	G	-0.240	0.030	0.178	1.48E-15	-0.001	0.003	0.845	0.017	63.627	TRUE	2.85E-15
FEV1FVC	ARSB	cg01026730	rs72762973	C	T	0.456	0.048	0.069	3.27E-21	-0.003	0.005	0.527	0.024	89.326	TRUE	1.30E-20
FEV1FVC	ARSB	cg01026730	rs75706611	C	G	0.335	0.053	0.052	2.37E-10	0.007	0.006	0.182	0.011	40.117	TRUE	7.03E-10
FEV1FVC	ARSB	cg01026730	rs76684389	T	C	0.334	0.047	0.065	1.50E-12	-0.005	0.005	0.308	0.013	50.022	TRUE	4.33E-12
FEV1FVC	ARSB	cg01026730	rs80162951	T	C	-0.517	0.062	0.041	5.89E-17	0.003	0.006	0.588	0.019	69.975	TRUE	1.62E-16
FEV1FVC	ARSB	cg04677158	rs10462560	C	G	-0.320	0.024	0.370	3.65E-41	-0.007	0.003	0.005	0.047	180.466	TRUE	1.29E-38
FEV1FVC	ARSB	cg04677158	rs10514108	T	C	0.225	0.038	0.111	2.68E-09	0.002	0.004	0.557	0.009	35.385	TRUE	4.78E-09
FEV1FVC	ARSB	cg04677158	rs11741305	A	G	0.177	0.029	0.212	1.12E-09	0.000	0.003	0.931	0.010	37.089	TRUE	1.53E-09
FEV1FVC	ARSB	cg04677158	rs13190257	T	C	0.161	0.027	0.279	1.25E-09	-0.004	0.003	0.176	0.010	36.871	TRUE	3.58E-09
FEV1FVC	ARSB	cg04677158	rs1402684	T	G	0.407	0.026	0.276	3.69E-55	-0.003	0.003	0.233	0.062	244.581	TRUE	9.60E-53
FEV1FVC	ARSB	cg04677158	rs16876619	T	C	0.166	0.025	0.313	2.10E-11	-0.005	0.003	0.051	0.012	44.852	TRUE	9.92E-11
FEV1FVC	ARSB	cg04677158	rs3733890	A	G	-0.425	0.025	0.307	1.14E-63	0.001	0.003	0.695	0.071	283.611	TRUE	2.76E-61
FEV1FVC	ARSB	cg04677158	rs4279321	G	A	0.248	0.039	0.093	2.45E-10	0.001	0.004	0.813	0.011	40.048	TRUE	3.71E-10
FEV1FVC	ARSB	cg04677158	rs4571454	T	C	-0.180	0.025	0.319	5.65E-13	0.002	0.003	0.361	0.014	51.938	TRUE	1.53E-12
FEV1FVC	ARSB	cg04677158	rs485142	G	A	-0.356	0.023	0.431	5.44E-52	0.003	0.002	0.158	0.059	230.057	TRUE	1.30E-49
FEV1FVC	ARSB	cg04677158	rs62377897	T	C	-1.029	0.026	0.175	<1E-200	0.000	0.003	0.969	0.303	1609.549	TRUE	1.69E-307
FEV1FVC	ARSB	cg04677158	rs72762996	T	C	0.343	0.041	0.096	2.48E-17	0.001	0.004	0.908	0.019	71.683	TRUE	4.96E-17
FEV1FVC	ARSB	cg04677158	rs9637824	G	A	-0.296	0.024	0.364	1.21E-34	-0.005	0.003	0.042	0.039	150.641	TRUE	7.08E-33
FEV1FVC	ARSB	cg07379703	rs1717570	G	A	0.139	0.024	0.419	5.16E-09	0.001	0.002	0.552	0.009	34.110	TRUE	9.03E-09

FEV1FVC	ARSB	cg08393937	rs10474577	A	G	0.387	0.025	0.308	6.43E-53	0.001	0.003	0.753	0.060	234.309	TRUE	3.51E-51
FEV1FVC	ARSB	cg08393937	rs112001390	G	A	0.489	0.086	0.036	1.46E-08	-0.001	0.007	0.928	0.009	32.086	TRUE	1.90E-08
FEV1FVC	ARSB	cg08393937	rs12187584	C	A	-0.206	0.024	0.442	4.01E-18	0.005	0.002	0.048	0.020	75.278	TRUE	3.80E-17
FEV1FVC	ARSB	cg08393937	rs1402684	T	G	-0.439	0.026	0.276	2.61E-64	-0.003	0.003	0.233	0.072	286.539	TRUE	2.47E-61
FEV1FVC	ARSB	cg08393937	rs16876619	T	C	-0.172	0.025	0.313	4.47E-12	-0.005	0.003	0.051	0.013	47.882	TRUE	2.26E-11
FEV1FVC	ARSB	cg08393937	rs2445887	A	G	0.302	0.024	0.442	2.65E-37	0.000	0.002	0.975	0.042	162.799	TRUE	2.02E-36
FEV1FVC	ARSB	cg08393937	rs2547906	G	A	0.397	0.023	0.421	1.08E-64	0.004	0.002	0.077	0.072	288.306	TRUE	2.83E-61
FEV1FVC	ARSB	cg08393937	rs28376183	C	T	-0.268	0.024	0.464	1.50E-29	0.001	0.002	0.640	0.033	127.356	TRUE	9.53E-29
FEV1FVC	ARSB	cg08393937	rs336520	T	C	-0.300	0.038	0.108	3.13E-15	0.002	0.004	0.549	0.017	62.149	TRUE	8.13E-15
FEV1FVC	ARSB	cg08393937	rs3857405	A	G	0.292	0.033	0.348	1.82E-18	-0.003	0.003	0.252	0.020	76.831	TRUE	9.24E-18
FEV1FVC	ARSB	cg08393937	rs4279321	G	A	-0.292	0.039	0.093	8.99E-14	0.001	0.004	0.813	0.015	55.547	TRUE	1.61E-13
FEV1FVC	ARSB	cg08393937	rs62377937	G	A	0.831	0.051	0.049	1.81E-59	-0.003	0.006	0.638	0.067	264.334	TRUE	2.87E-57
FEV1FVC	ARSB	cg08393937	rs72762996	T	C	-0.318	0.041	0.096	4.80E-15	0.001	0.004	0.908	0.016	61.309	TRUE	8.52E-15
FEV1FVC	ARSB	cg08393937	rs74772620	T	C	1.087	0.026	0.176	<1E-200	0.000	0.003	0.969	0.329	1812.107	TRUE	<1E-200
FEV1FVC	ARSB	cg10864794	rs11747224	T	C	0.365	0.056	0.094	8.77E-11	-0.008	0.004	0.055	0.011	42.055	TRUE	3.86E-10
FEV1FVC	ARSB	cg10864794	rs13154740	C	T	0.301	0.026	0.280	1.79E-30	0.008	0.003	0.003	0.034	131.576	TRUE	1.83E-28
FEV1FVC	ARSB	cg10864794	rs1402684	T	G	0.149	0.026	0.276	1.55E-08	-0.003	0.003	0.233	0.009	31.975	TRUE	3.66E-08
FEV1FVC	ARSB	cg10864794	rs17221292	A	G	0.592	0.098	0.014	1.54E-09	-0.021	0.010	0.044	0.010	36.463	TRUE	6.33E-09
FEV1FVC	ARSB	cg10864794	rs56307340	A	G	-0.684	0.030	0.166	8.49E-113	-0.002	0.003	0.489	0.121	509.143	TRUE	2.27E-106
FEV1FVC	ARSB	cg10864794	rs62377935	A	T	-0.207	0.029	0.193	1.53E-12	-0.005	0.003	0.135	0.013	49.985	TRUE	6.10E-12
FEV1FVC	ARSB	cg10864794	rs9632424	C	T	0.262	0.032	0.177	1.46E-16	0.006	0.003	0.045	0.018	68.188	TRUE	1.22E-15
FEV1FVC	ARSB	cg11541897	rs10462560	C	G	0.200	0.024	0.370	9.50E-17	-0.007	0.003	0.005	0.018	69.032	TRUE	1.51E-15
FEV1FVC	ARSB	cg11541897	rs10474577	A	G	0.255	0.026	0.308	1.64E-23	0.001	0.003	0.753	0.026	99.797	TRUE	5.67E-23
FEV1FVC	ARSB	cg11541897	rs11746854	G	A	-0.178	0.029	0.204	1.15E-09	0.000	0.003	0.931	0.010	37.037	TRUE	1.57E-09
FEV1FVC	ARSB	cg11541897	rs1402684	T	G	-0.197	0.026	0.276	6.62E-14	-0.003	0.003	0.233	0.015	56.148	TRUE	2.38E-13
FEV1FVC	ARSB	cg11541897	rs163126	T	C	0.732	0.029	0.179	7.64E-140	-0.003	0.003	0.312	0.146	633.409	TRUE	2.61E-130
FEV1FVC	ARSB	cg11541897	rs337871	C	T	0.234	0.024	0.431	3.71E-23	0.004	0.002	0.075	0.026	98.185	TRUE	5.04E-22
FEV1FVC	ARSB	cg11541897	rs569634929	C	T	0.223	0.024	0.378	3.15E-20	-0.004	0.003	0.087	0.022	84.846	TRUE	3.01E-19
FEV1FVC	ARSB	cg11541897	rs72762996	T	C	-0.254	0.041	0.096	3.74E-10	0.001	0.004	0.908	0.010	39.225	TRUE	5.28E-10
FEV1FVC	ARSB	cg11541897	rs9637824	G	A	0.269	0.024	0.364	8.89E-29	-0.005	0.003	0.042	0.032	123.826	TRUE	2.68E-27
FEV1FVC	ARSB	cg11837534	rs337853	G	A	0.159	0.023	0.398	1.00E-11	-0.005	0.002	0.033	0.012	46.300	TRUE	5.72E-11
FEV1FVC	ARSB	cg13121490	rs4512118	C	G	0.168	0.031	0.177	4.47E-08	-0.003	0.003	0.275	0.008	29.917	TRUE	9.57E-08
FEV1FVC	ARSB	cg15712777	rs10042060	C	T	-0.152	0.025	0.342	1.60E-09	0.002	0.003	0.383	0.010	36.383	TRUE	3.43E-09
FEV1FVC	ARSB	cg15712777	rs113601316	T	G	0.289	0.031	0.168	1.17E-20	-0.001	0.003	0.689	0.023	86.813	TRUE	3.67E-20
FEV1FVC	ARSB	cg15712777	rs478651	T	C	0.130	0.024	0.470	3.61E-08	-0.003	0.002	0.169	0.008	30.332	TRUE	9.17E-08
FEV1FVC	ARSB	cg17845680	rs10462560	C	G	0.215	0.024	0.370	3.64E-19	-0.007	0.003	0.005	0.021	80.014	TRUE	7.76E-18
FEV1FVC	ARSB	cg17845680	rs1402684	T	G	-0.201	0.026	0.276	1.97E-14	-0.003	0.003	0.233	0.016	58.527	TRUE	7.39E-14
FEV1FVC	ARSB	cg17845680	rs163126	T	C	0.779	0.029	0.179	4.59E-161	-0.003	0.003	0.312	0.165	730.940	TRUE	5.37E-149
FEV1FVC	ARSB	cg17845680	rs337871	C	T	0.229	0.024	0.431	4.29E-22	0.004	0.002	0.075	0.025	93.340	TRUE	5.24E-21
FEV1FVC	ARSB	cg17845680	rs3733890	A	G	0.281	0.025	0.307	2.64E-28	0.001	0.003	0.695	0.032	121.665	TRUE	1.41E-27
FEV1FVC	ARSB	cg17845680	rs569634929	C	T	0.234	0.024	0.378	3.82E-22	-0.004	0.003	0.087	0.025	93.573	TRUE	4.39E-21
FEV1FVC	ARSB	cg17845680	rs604315	T	G	0.254	0.024	0.352	2.21E-25	-0.005	0.003	0.029	0.028	108.333	TRUE	5.38E-24

FEV1FVC	ARSB	cg17845680	rs67523903	C	T	-0.163	0.029	0.203	2.75E-08	0.000	0.003	0.983	0.008	30.860	TRUE	3.43E-08
FEV1FVC	ARSB	cg17845680	rs72762996	T	C	-0.238	0.041	0.096	4.29E-09	0.001	0.004	0.908	0.009	34.470	TRUE	5.80E-09
FEV1FVC	ARSB	cg23392359	rs117840267	C	G	-0.996	0.180	0.011	3.41E-08	0.000	0.013	0.985	0.008	30.440	TRUE	4.20E-08
FEV1FVC	ARSB	cg23392359	rs4235713	T	C	-0.129	0.023	0.410	3.35E-08	0.000	0.002	0.888	0.008	30.476	TRUE	4.38E-08
FEV1FVC	ARSB	cg23392359	rs6878926	A	G	-0.433	0.070	0.029	6.42E-10	0.017	0.008	0.027	0.010	38.170	TRUE	3.11E-09
FEV1FVC	ARSB	cg23392359	rs7701438	T	G	-1.112	0.065	0.034	4.64E-65	-0.003	0.007	0.642	0.073	289.983	TRUE	1.57E-62
FEV1FVC	ARSB	cg24166916	rs113263870	C	A	-0.185	0.029	0.199	2.50E-10	0.002	0.003	0.580	0.011	40.007	TRUE	4.67E-10
FEV1FVC	ARSB	cg24166916	rs12187584	C	A	-0.262	0.024	0.442	1.47E-28	0.005	0.002	0.048	0.032	122.826	TRUE	4.15E-27
FEV1FVC	ARSB	cg24166916	rs163128	T	C	-0.221	0.037	0.114	2.47E-09	0.006	0.004	0.150	0.010	35.545	TRUE	7.21E-09
FEV1FVC	ARSB	cg24166916	rs1840804	C	T	0.190	0.025	0.319	2.98E-14	0.003	0.003	0.338	0.015	57.715	TRUE	9.36E-14
FEV1FVC	ARSB	cg24166916	rs2445887	A	G	0.429	0.023	0.442	3.73E-75	0.000	0.002	0.975	0.083	336.296	TRUE	2.70E-72
FEV1FVC	ARSB	cg24166916	rs2547906	G	A	0.338	0.024	0.421	8.78E-47	0.004	0.002	0.077	0.053	206.198	TRUE	1.78E-44
FEV1FVC	ARSB	cg24166916	rs3733890	A	G	0.457	0.025	0.307	9.76E-74	0.001	0.003	0.695	0.082	329.791	TRUE	1.02E-70
FEV1FVC	ARSB	cg24166916	rs3857405	A	G	0.273	0.033	0.348	2.75E-16	-0.003	0.003	0.252	0.018	66.938	TRUE	1.17E-15
FEV1FVC	ARSB	cg24166916	rs4324657	A	C	-0.258	0.046	0.067	2.40E-08	-0.005	0.005	0.268	0.008	31.121	TRUE	5.36E-08
FEV1FVC	ARSB	cg24166916	rs62377937	G	A	0.970	0.051	0.049	1.78E-81	-0.003	0.006	0.638	0.090	365.308	TRUE	7.55E-78
FEV1FVC	ARSB	cg24166916	rs72762996	T	C	-0.300	0.041	0.096	1.25E-13	0.001	0.004	0.908	0.015	54.897	TRUE	2.07E-13
FEV1FVC	ARSB	cg24166916	rs74772620	T	C	1.108	0.025	0.176	<1E-200	0.000	0.003	0.969	0.344	1943.952	TRUE	<1E-200
FEV1FVC	ARSB	cg24166916	rs7705926	C	G	-0.352	0.026	0.287	6.96E-43	-0.003	0.003	0.253	0.048	188.340	TRUE	3.56E-41
FEV1FVC	ARSB	cg24893837	rs12187584	C	A	-0.170	0.024	0.442	8.57E-13	0.005	0.002	0.048	0.014	51.119	TRUE	4.77E-12
FEV1FVC	ARSB	cg24893837	rs1402684	T	G	-0.149	0.026	0.276	1.58E-08	-0.003	0.003	0.233	0.009	31.934	TRUE	3.74E-08
FEV1FVC	ARSB	cg24893837	rs485142	G	A	0.209	0.024	0.431	9.93E-19	0.003	0.002	0.158	0.021	78.031	TRUE	6.38E-18
FEV1FVC	ARSB	cg24893837	rs57444763	A	G	0.256	0.026	0.310	1.15E-23	0.001	0.003	0.821	0.026	100.495	TRUE	3.74E-23
FEV1FVC	ARSB	cg24893837	rs575425	A	G	0.293	0.024	0.352	9.68E-34	-0.006	0.003	0.022	0.038	146.503	TRUE	7.03E-32
FEV1FVC	ARSB	cg24893837	rs57586329	C	T	0.754	0.029	0.170	2.99E-144	-0.002	0.003	0.486	0.150	653.662	TRUE	1.64E-134
FEV1FVC	ARSB	cg26470338	rs10040592	G	A	-0.254	0.042	0.088	1.04E-09	0.013	0.004	0.002	0.010	37.228	TRUE	7.78E-09
FEV1FVC	ARSB	cg26470338	rs10514152	T	C	-0.616	0.045	0.071	7.31E-43	0.004	0.005	0.409	0.048	188.243	TRUE	2.54E-41
FEV1FVC	ARSB	cg26470338	rs112412427	T	C	-0.272	0.028	0.219	4.55E-22	0.008	0.003	0.008	0.025	93.225	TRUE	1.19E-20
FEV1FVC	ARSB	cg26470338	rs12187584	C	A	0.294	0.024	0.442	1.60E-35	0.005	0.002	0.048	0.040	154.658	TRUE	9.90E-34
FEV1FVC	ARSB	cg26470338	rs2052549	T	C	-0.895	0.024	0.227	<1E-200	0.002	0.003	0.558	0.281	1446.534	TRUE	7.41E-279
FEV1FVC	ARSB	cg26470338	rs2919650	A	C	-0.261	0.024	0.433	1.86E-28	0.004	0.002	0.083	0.032	122.361	TRUE	4.18E-27
FEV1FVC	ARSB	cg26470338	rs4279321	G	A	0.341	0.039	0.093	2.96E-18	0.001	0.004	0.813	0.020	75.876	TRUE	6.78E-18
FEV1FVC	ARSB	cg26470338	rs569634929	C	T	-0.257	0.024	0.378	1.52E-26	-0.004	0.003	0.087	0.030	113.628	TRUE	2.72E-25
FEV1FVC	ARSB	cg26470338	rs584218	C	T	-0.387	0.023	0.470	1.81E-62	-0.002	0.002	0.372	0.070	278.093	TRUE	8.06E-60
FEV1FVC	ARSB	cg26470338	rs585800	T	A	0.261	0.026	0.287	2.86E-24	-0.004	0.003	0.123	0.027	103.261	TRUE	3.34E-23
FEV1FVC	ARSB	cg26470338	rs72762996	T	C	0.293	0.041	0.096	5.07E-13	0.001	0.004	0.908	0.014	52.151	TRUE	8.14E-13
FEV1FVC	ARSB	cg26470338	rs7701438	T	G	-0.631	0.067	0.034	4.24E-21	-0.003	0.007	0.642	0.023	88.809	TRUE	1.44E-20
FEV1FVC	ARSB	cg27361227	rs62377505	A	C	0.213	0.029	0.206	1.25E-13	0.009	0.003	0.002	0.015	54.895	TRUE	1.76E-12
FEV1FVC	ATF3	cg03970567	rs1008737	G	C	-0.448	0.033	0.128	2.53E-41	-0.003	0.003	0.346	0.047	181.199	TRUE	8.74E-40
FEV1FVC	ATF3	cg03970567	rs114197810	T	G	-0.716	0.096	0.028	6.55E-14	0.009	0.007	0.184	0.015	56.170	TRUE	2.61E-13
FEV1FVC	ATF3	cg03970567	rs114351967	T	C	-0.462	0.079	0.020	4.18E-09	0.011	0.008	0.134	0.009	34.517	TRUE	1.24E-08
FEV1FVC	ATF3	cg03970567	rs116604459	C	T	0.327	0.057	0.044	1.09E-08	-0.004	0.006	0.530	0.009	32.657	TRUE	1.92E-08

FEV1FVC	ATF3	cg03970567	rs12066052	A	C	0.231	0.025	0.336	1.52E-20	-0.005	0.003	0.081	0.023	86.289	TRUE	1.51E-19
FEV1FVC	ATF3	cg03970567	rs12073226	T	C	-0.509	0.034	0.129	2.40E-50	-0.003	0.003	0.402	0.057	222.518	TRUE	2.09E-48
FEV1FVC	ATF3	cg03970567	rs12120031	C	T	0.298	0.032	0.159	3.88E-21	0.005	0.003	0.099	0.023	88.985	TRUE	3.82E-20
FEV1FVC	ATF3	cg03970567	rs12729140	C	T	-1.257	0.026	0.145	<1E-200	-0.005	0.003	0.148	0.391	2375.885	TRUE	<1E-200
FEV1FVC	ATF3	cg03970567	rs17019438	C	T	-0.248	0.026	0.262	4.59E-21	-0.006	0.003	0.022	0.023	88.654	TRUE	8.18E-20
FEV1FVC	ATF3	cg03970567	rs2456831	A	G	0.229	0.039	0.103	3.37E-09	-0.002	0.004	0.622	0.009	34.940	TRUE	5.63E-09
FEV1FVC	ATF3	cg03970567	rs3122720	T	C	0.218	0.033	0.142	4.67E-11	0.001	0.003	0.715	0.012	43.286	TRUE	7.94E-11
FEV1FVC	ATF3	cg03970567	rs3125291	G	A	0.249	0.025	0.330	3.94E-23	0.003	0.003	0.218	0.026	98.066	TRUE	3.19E-22
FEV1FVC	ATF3	cg03970567	rs35961366	G	T	-0.997	0.099	0.035	9.23E-24	-0.008	0.006	0.177	0.027	100.938	TRUE	8.81E-23
FEV1FVC	ATF3	cg03970567	rs4951625	A	G	-0.966	0.081	0.023	8.89E-33	0.004	0.009	0.693	0.037	142.101	TRUE	6.93E-32
FEV1FVC	ATF3	cg03970567	rs507349	G	T	-0.221	0.024	0.430	9.80E-21	-0.007	0.003	0.004	0.023	87.154	TRUE	2.62E-19
FEV1FVC	ATF3	cg03970567	rs565099	A	G	-0.770	0.090	0.014	1.31E-17	-0.017	0.009	0.051	0.019	72.936	TRUE	1.18E-16
FEV1FVC	ATF3	cg03970567	rs597459	G	A	-0.221	0.024	0.338	1.20E-19	0.008	0.003	8.34E-04	0.022	82.201	TRUE	4.36E-18
FEV1FVC	ATF3	cg03970567	rs61830682	A	G	-0.556	0.084	0.022	3.69E-11	0.006	0.007	0.375	0.012	43.747	TRUE	8.87E-11
FEV1FVC	ATF3	cg03970567	rs66505337	G	T	-0.157	0.027	0.253	4.37E-09	-0.005	0.003	0.078	0.009	34.434	TRUE	1.48E-08
FEV1FVC	ATF3	cg03970567	rs79386729	A	G	-0.697	0.058	0.041	2.20E-33	0.000	0.005	0.939	0.038	144.869	TRUE	1.26E-32
FEV1FVC	ATF3	cg03970567	rs9308424	A	G	-0.163	0.025	0.329	5.34E-11	-0.001	0.003	0.612	0.011	43.026	TRUE	9.93E-11
FEV1FVC	ATF3	cg04323713	rs1001304	T	C	0.203	0.028	0.213	1.65E-13	0.001	0.003	0.832	0.014	54.357	TRUE	2.87E-13
FEV1FVC	ATF3	cg04323713	rs10863957	C	T	-0.176	0.028	0.224	3.65E-10	-0.003	0.003	0.392	0.011	39.273	TRUE	8.06E-10
FEV1FVC	ATF3	cg04323713	rs115035134	A	C	-0.559	0.080	0.018	2.20E-12	-0.002	0.008	0.803	0.013	49.270	TRUE	3.74E-12
FEV1FVC	ATF3	cg04323713	rs12144600	G	A	-0.304	0.052	0.053	4.17E-09	-0.002	0.005	0.631	0.009	34.523	TRUE	6.92E-09
FEV1FVC	ATF3	cg04323713	rs12410743	A	G	-0.294	0.039	0.110	3.32E-14	-0.005	0.004	0.161	0.015	57.506	TRUE	1.41E-13
FEV1FVC	ATF3	cg04323713	rs143963349	A	T	-1.921	0.067	0.033	3.59E-178	-0.010	0.007	0.189	0.180	809.577	TRUE	1.68E-163
FEV1FVC	ATF3	cg04323713	rs150509583	T	C	-0.605	0.055	0.049	5.16E-28	0.006	0.005	0.280	0.032	120.341	TRUE	5.52E-27
FEV1FVC	ATF3	cg04323713	rs4543871	C	T	-0.254	0.027	0.254	9.86E-21	-0.002	0.003	0.420	0.023	87.143	TRUE	4.46E-20
FEV1FVC	ATF3	cg04323713	rs681005	T	G	-0.151	0.024	0.401	2.04E-10	-0.003	0.002	0.173	0.011	40.409	TRUE	6.26E-10
FEV1FVC	ATF3	cg04323713	rs72754346	C	T	-0.327	0.056	0.047	7.33E-09	-0.002	0.006	0.751	0.009	33.427	TRUE	1.10E-08
FEV1FVC	ATF3	cg04323713	rs74620737	C	T	-0.583	0.071	0.059	1.98E-16	-0.002	0.005	0.765	0.018	67.586	TRUE	4.36E-16
FEV1FVC	ATF3	cg04323713	rs79381401	A	G	-0.454	0.045	0.080	5.21E-24	-0.004	0.005	0.454	0.027	102.071	TRUE	2.88E-23
FEV1FVC	ATF3	cg05036120	rs3123534	C	A	0.149	0.025	0.326	4.49E-09	0.002	0.003	0.510	0.009	34.381	TRUE	8.32E-09
FEV1FVC	ATF3	cg18174834	rs3125291	G	A	0.203	0.025	0.330	3.14E-16	0.003	0.003	0.218	0.018	66.679	TRUE	1.41E-15
FEV1FVC	ATF3	cg18317154	rs685330	G	C	-0.143	0.025	0.330	8.27E-09	0.003	0.003	0.199	0.009	33.192	TRUE	2.11E-08
FEV1FVC	ATF3	cg23534142	rs1001304	T	C	0.293	0.027	0.213	1.59E-26	0.001	0.003	0.832	0.030	113.544	TRUE	6.15E-26
FEV1FVC	ATF3	cg23534142	rs12744239	G	A	-0.199	0.024	0.365	2.08E-16	-0.001	0.003	0.655	0.018	67.492	TRUE	5.07E-16
FEV1FVC	ATF3	cg23534142	rs17019442	C	T	-0.292	0.040	0.095	2.23E-13	-0.002	0.004	0.644	0.014	53.766	TRUE	4.62E-13
FEV1FVC	ATF3	cg23534142	rs183325637	T	C	-0.487	0.087	0.018	1.97E-08	0.002	0.009	0.869	0.008	31.512	TRUE	2.65E-08
FEV1FVC	ATF3	cg23534142	rs2292480	C	T	0.268	0.040	0.087	2.87E-11	-0.010	0.004	0.024	0.012	44.242	TRUE	1.65E-10
FEV1FVC	ATF3	cg23534142	rs2884515	C	T	0.147	0.026	0.284	1.42E-08	-0.002	0.003	0.421	0.009	32.136	TRUE	2.75E-08
FEV1FVC	ATF3	cg23534142	rs376490810	C	A	-2.284	0.147	0.015	1.41E-54	0.000	0.011	0.984	0.061	241.914	TRUE	6.13E-53
FEV1FVC	ATF3	cg23534142	rs56671266	C	T	-0.529	0.028	0.222	6.28E-79	-0.001	0.003	0.837	0.087	353.615	TRUE	1.09E-75
FEV1FVC	ATF3	cg23534142	rs629118	G	A	0.195	0.024	0.440	5.74E-16	0.004	0.002	0.144	0.017	65.489	TRUE	2.99E-15
FEV1FVC	ATF3	cg23534142	rs6661348	T	C	-0.208	0.026	0.285	1.23E-15	-0.004	0.003	0.122	0.017	63.995	TRUE	6.50E-15

FEV1FVC	ATF3	cg23534142	rs78276076	C	T	-0.298	0.044	0.075	2.02E-11	-0.004	0.005	0.422	0.012	44.930	TRUE	4.69E-11
FEV1FVC	ATF3	cg23534142	rs9651103	T	C	-0.178	0.025	0.344	1.02E-12	-0.002	0.003	0.335	0.014	50.774	TRUE	2.87E-12
FEV1FVC	ATF3	cg25386151	rs6696022	G	A	0.283	0.046	0.073	5.60E-10	-0.012	0.005	0.024	0.010	38.435	TRUE	2.75E-09
FEV1FVC	ATF6	cg07046186	rs6427638	A	G	0.382	0.041	0.090	3.51E-20	-0.008	0.004	0.050	0.022	84.633	TRUE	4.17E-19
FEV1FVC	ATF6	cg07804963	rs112184925	A	G	0.790	0.083	0.019	1.59E-21	-0.015	0.009	0.084	0.024	90.755	TRUE	1.73E-20
FEV1FVC	ATF6	cg08171933	rs12046823	G	A	-0.282	0.046	0.073	6.78E-10	-0.006	0.005	0.202	0.010	38.062	TRUE	1.88E-09
FEV1FVC	ATF6	cg09175582	rs10917750	C	T	-0.187	0.025	0.275	1.07E-13	-0.006	0.003	0.019	0.015	55.196	TRUE	8.82E-13
FEV1FVC	ATF6	cg09175582	rs2298019	A	G	-0.552	0.035	0.125	2.27E-56	-0.010	0.004	0.005	0.063	250.133	TRUE	7.94E-53
FEV1FVC	ATF6	cg10064029	rs10918103	A	G	-0.228	0.042	0.090	4.52E-08	-0.008	0.004	0.054	0.008	29.896	TRUE	1.52E-07
FEV1FVC	ATF6	cg10230257	rs4656340	C	G	-0.164	0.028	0.231	4.25E-09	-0.010	0.003	8.31E-04	0.009	34.487	TRUE	3.57E-08
FEV1FVC	ATF6	cg12648759	rs12078104	C	T	-0.340	0.057	0.039	2.81E-09	-0.007	0.006	0.196	0.009	35.294	TRUE	7.41E-09
FEV1FVC	ATF6	cg12648759	rs12404636	A	G	-0.934	0.042	0.080	1.92E-109	-0.004	0.004	0.397	0.118	493.733	TRUE	3.57E-103
FEV1FVC	ATF6	cg12648759	rs12406801	G	A	-0.268	0.024	0.368	4.71E-29	-0.007	0.003	0.003	0.033	125.086	TRUE	3.83E-27
FEV1FVC	ATF6	cg12648759	rs1503813	G	A	-0.159	0.029	0.219	4.30E-08	-0.002	0.003	0.519	0.008	29.993	TRUE	7.42E-08
FEV1FVC	ATF6	cg12648759	rs16852851	T	G	-0.488	0.067	0.031	3.73E-13	-0.005	0.007	0.449	0.014	52.753	TRUE	9.36E-13
FEV1FVC	ATF6	cg12648759	rs1847383	G	A	-0.658	0.024	0.348	2.51E-170	-0.006	0.003	0.030	0.173	773.512	TRUE	9.78E-156
FEV1FVC	ATF6	cg12648759	rs2490437	C	T	0.260	0.024	0.382	5.83E-27	0.001	0.003	0.721	0.030	115.533	TRUE	2.72E-26
FEV1FVC	ATF6	cg12648759	rs6427594	T	C	-0.204	0.030	0.188	5.20E-12	0.001	0.003	0.767	0.013	47.583	TRUE	8.91E-12
FEV1FVC	ATF6	cg19735514	rs115800677	A	G	0.274	0.050	0.059	3.39E-08	-0.005	0.005	0.307	0.008	30.454	TRUE	7.15E-08
FEV1FVC	ATF6	cg19735514	rs12402354	T	A	-0.639	0.047	0.071	1.70E-42	-0.006	0.005	0.181	0.048	186.558	TRUE	1.12E-40
FEV1FVC	ATF6	cg19735514	rs1417582	T	C	-0.213	0.025	0.304	1.60E-17	-0.007	0.003	0.004	0.019	72.541	TRUE	2.91E-16
FEV1FVC	ATF6	cg19735514	rs1832739	T	G	-0.146	0.024	0.465	7.60E-10	0.007	0.002	0.002	0.010	37.839	TRUE	5.86E-09
FEV1FVC	ATF6	cg19735514	rs61802507	T	C	0.661	0.022	0.286	1.05E-198	0.002	0.003	0.421	0.196	903.978	TRUE	1.04E-181
FEV1FVC	ATF6	cg22522357	rs10799917	C	T	0.150	0.027	0.245	2.70E-08	0.000	0.003	0.922	0.008	30.898	TRUE	3.50E-08
FEV1FVC	ATF6	cg22522357	rs10918243	C	T	0.212	0.024	0.355	3.37E-18	0.004	0.003	0.130	0.020	75.617	TRUE	2.18E-17
FEV1FVC	ATF6	cg22522357	rs1105238	G	C	-0.204	0.030	0.200	5.94E-12	-0.007	0.003	0.013	0.013	47.325	TRUE	4.36E-11
FEV1FVC	ATF6	cg22522357	rs11581364	T	G	0.192	0.024	0.372	3.25E-15	0.004	0.003	0.147	0.017	62.075	TRUE	1.57E-14
FEV1FVC	ATF6	cg22522357	rs2271010	G	A	-1.488	0.035	0.090	<1E-200	-0.008	0.004	0.047	0.325	1777.890	TRUE	<1E-200
FEV1FVC	ATF6	cg22522357	rs560093485	G	A	-1.275	0.083	0.020	1.07E-52	-0.017	0.009	0.058	0.059	233.298	TRUE	5.57E-50
FEV1FVC	ATF6	cg22608657	rs17415553	G	A	1.257	0.084	0.019	2.44E-50	-0.016	0.009	0.065	0.057	222.488	TRUE	8.62E-48
FEV1FVC	ATG2B	cg01050076	rs11621967	C	G	0.240	0.028	0.228	1.47E-17	-0.006	0.003	0.030	0.019	72.715	TRUE	1.56E-16
FEV1FVC	ATG2B	cg18920658	rs17094034	C	T	0.172	0.026	0.255	3.53E-11	-0.001	0.003	0.802	0.012	43.837	TRUE	5.68E-11
FEV1FVC	ATG7	cg00170343	rs11713574	T	G	-0.334	0.045	0.229	8.25E-14	0.008	0.003	0.004	0.015	55.715	TRUE	9.80E-13
FEV1FVC	ATG7	cg00170343	rs13080420	A	G	-0.131	0.024	0.451	4.68E-08	-0.007	0.002	0.004	0.008	29.827	TRUE	2.62E-07
FEV1FVC	ATG7	cg00170343	rs13096231	G	A	-0.200	0.024	0.449	8.90E-17	-0.014	0.002	1.47E-08	0.018	69.161	TRUE	1.23E-14
FEV1FVC	ATG7	cg00170343	rs17534104	T	C	-0.399	0.059	0.038	1.04E-11	0.007	0.006	0.186	0.012	46.231	TRUE	3.43E-11
FEV1FVC	ATG7	cg00170343	rs17535764	T	G	-0.383	0.061	0.034	4.33E-10	0.017	0.006	0.003	0.010	38.937	TRUE	3.30E-09
FEV1FVC	ATG7	cg00170343	rs17536147	C	G	0.369	0.068	0.055	4.96E-08	-0.005	0.005	0.271	0.008	29.716	TRUE	1.08E-07
FEV1FVC	ATG7	cg00170343	rs367745	T	C	-0.706	0.024	0.338	4.74E-195	0.010	0.003	3.24E-05	0.193	887.176	TRUE	1.10E-174
FEV1FVC	ATG7	cg00170343	rs67825010	T	C	0.337	0.029	0.216	2.11E-31	-0.012	0.003	7.99E-05	0.035	135.812	TRUE	7.21E-29
FEV1FVC	ATG7	cg00170343	rs73125411	T	C	-0.496	0.064	0.037	1.29E-14	0.015	0.006	0.022	0.016	59.361	TRUE	1.09E-13
FEV1FVC	ATG7	cg00170343	rs8154	C	T	-0.204	0.034	0.326	1.27E-09	0.006	0.003	0.015	0.010	36.838	TRUE	6.90E-09

FEV1FVC	ATG7	cg01796438	rs1562616	T	C	-0.225	0.033	0.138	1.34E-11	0.004	0.003	0.271	0.012	45.730	TRUE	3.78E-11
FEV1FVC	ATG7	cg01796438	rs346072	G	A	0.396	0.030	0.184	1.00E-39	0.010	0.003	0.001	0.045	173.878	TRUE	5.31E-37
FEV1FVC	ATG7	cg03589820	rs59137166	G	C	0.382	0.068	0.034	2.39E-08	0.015	0.007	0.022	0.008	31.130	TRUE	1.00E-07
FEV1FVC	ATG7	cg11277834	rs1992910	C	T	0.296	0.025	0.339	1.44E-32	0.011	0.003	2.14E-05	0.037	141.148	TRUE	7.88E-30
FEV1FVC	ATG7	cg12120750	rs6779007	T	C	-0.255	0.028	0.229	8.04E-20	0.011	0.003	7.71E-05	0.022	82.995	TRUE	5.12E-18
FEV1FVC	ATG7	cg12918464	rs11713574	T	G	0.255	0.045	0.229	1.36E-08	0.008	0.003	0.004	0.009	32.231	TRUE	8.09E-08
FEV1FVC	ATG7	cg12918464	rs13081460	T	C	-0.912	0.032	0.127	8.74E-177	0.004	0.003	0.208	0.178	803.202	TRUE	2.30E-162
FEV1FVC	ATG7	cg12918464	rs1375204	G	C	-0.494	0.058	0.039	2.13E-17	0.006	0.006	0.300	0.019	71.981	TRUE	8.96E-17
FEV1FVC	ATG7	cg12918464	rs2346021	T	C	0.158	0.024	0.385	6.29E-11	-0.002	0.002	0.448	0.011	42.705	TRUE	1.36E-10
FEV1FVC	ATG7	cg12918464	rs2616553	C	T	-0.249	0.030	0.192	5.08E-17	-0.017	0.003	1.77E-08	0.019	70.268	TRUE	7.57E-15
FEV1FVC	ATG7	cg12918464	rs3856804	G	A	-0.148	0.026	0.256	2.43E-08	-0.011	0.003	5.96E-05	0.008	31.102	TRUE	2.56E-07
FEV1FVC	ATG7	cg12918464	rs4684059	C	G	-0.193	0.033	0.390	3.55E-09	-0.003	0.002	0.181	0.009	34.838	TRUE	9.60E-09
FEV1FVC	ATG7	cg12918464	rs5010060	T	C	0.836	0.028	0.197	3.11E-199	0.010	0.003	6.31E-04	0.197	906.404	TRUE	4.97E-179
FEV1FVC	ATG7	cg12918464	rs6802119	C	T	0.197	0.032	0.444	5.47E-10	0.005	0.002	0.026	0.010	38.481	TRUE	2.71E-09
FEV1FVC	ATG7	cg12918464	rs7630582	T	G	-0.302	0.028	0.220	2.84E-27	0.002	0.003	0.494	0.031	116.958	TRUE	1.88E-26
FEV1FVC	ATG7	cg12918464	rs9310385	C	A	0.622	0.075	0.028	8.09E-17	0.009	0.008	0.282	0.018	69.350	TRUE	3.35E-16
FEV1FVC	ATG7	cg14339991	rs112498401	A	C	-0.206	0.036	0.116	7.69E-09	0.003	0.004	0.438	0.009	33.334	TRUE	1.48E-08
FEV1FVC	ATG7	cg16028117	rs10865708	T	C	0.187	0.034	0.335	4.16E-08	-0.002	0.003	0.554	0.008	30.058	TRUE	6.95E-08
FEV1FVC	ATG7	cg16028117	rs1375204	G	C	0.336	0.059	0.039	9.00E-09	0.006	0.006	0.300	0.009	33.029	TRUE	2.00E-08
FEV1FVC	ATG7	cg16028117	rs147796380	T	A	-0.589	0.097	0.014	1.39E-09	-0.009	0.011	0.411	0.010	36.668	TRUE	2.88E-09
FEV1FVC	ATG7	cg16028117	rs17535764	T	G	-0.754	0.061	0.034	5.32E-35	0.017	0.006	0.003	0.040	152.264	TRUE	9.92E-33
FEV1FVC	ATG7	cg16028117	rs2088504	C	T	-0.177	0.026	0.316	4.13E-12	-0.001	0.003	0.629	0.013	48.036	TRUE	8.07E-12
FEV1FVC	ATG7	cg16028117	rs2447617	A	G	0.269	0.026	0.319	1.16E-25	-0.017	0.003	1.57E-11	0.029	109.601	TRUE	2.12E-22
FEV1FVC	ATG7	cg16028117	rs2616545	T	C	-0.407	0.027	0.255	1.49E-49	-0.003	0.003	0.330	0.056	218.886	TRUE	1.45E-47
FEV1FVC	ATG7	cg16028117	rs346078	C	G	0.396	0.025	0.368	3.73E-58	-0.005	0.002	0.035	0.065	258.312	TRUE	6.40E-55
FEV1FVC	ATG7	cg16028117	rs346089	C	T	-1.017	0.027	0.168	<1E-200	0.011	0.003	3.12E-04	0.281	1443.708	TRUE	6.96E-274
FEV1FVC	ATG7	cg16028117	rs3856804	G	A	0.154	0.027	0.256	6.72E-09	-0.011	0.003	5.96E-05	0.009	33.596	TRUE	7.86E-08
FEV1FVC	ATG7	cg16028117	rs404364	G	A	0.214	0.024	0.383	5.92E-19	-0.002	0.002	0.408	0.021	79.051	TRUE	2.37E-18
FEV1FVC	ATG7	cg16028117	rs61451853	A	G	0.252	0.034	0.146	2.31E-13	-0.003	0.004	0.392	0.014	53.695	TRUE	6.31E-13
FEV1FVC	ATG7	cg16028117	rs6762705	G	A	-0.204	0.024	0.439	1.69E-17	0.002	0.002	0.347	0.019	72.437	TRUE	6.51E-17
FEV1FVC	ATG7	cg16028117	rs67825010	T	C	0.309	0.029	0.216	1.94E-26	-0.012	0.003	7.99E-05	0.030	113.153	TRUE	3.17E-24
FEV1FVC	ATG7	cg16028117	rs6795611	C	A	0.248	0.028	0.229	4.10E-19	0.003	0.003	0.350	0.021	79.778	TRUE	1.80E-18
FEV1FVC	ATG7	cg16028117	rs73812500	T	A	-0.606	0.095	0.019	1.65E-10	-0.002	0.011	0.883	0.011	40.821	TRUE	2.40E-10
FEV1FVC	ATG7	cg16028117	rs7644013	T	G	-0.156	0.024	0.389	1.63E-10	0.000	0.002	0.982	0.011	40.848	TRUE	2.22E-10
FEV1FVC	ATG7	cg16028117	rs9837848	C	G	-0.263	0.038	0.107	5.65E-12	-0.001	0.004	0.798	0.013	47.421	TRUE	9.49E-12
FEV1FVC	ATG7	cg16028117	rs9839629	C	A	-0.153	0.025	0.304	1.22E-09	-0.007	0.003	0.005	0.010	36.918	TRUE	7.82E-09
FEV1FVC	ATG7	cg18146954	rs2606740	G	A	0.263	0.030	0.179	2.59E-18	0.010	0.003	0.001	0.020	76.138	TRUE	6.66E-17
FEV1FVC	ATG7	cg21071793	rs12636305	G	T	-0.546	0.033	0.141	2.17E-63	0.003	0.003	0.297	0.071	282.317	TRUE	1.41E-60
FEV1FVC	ATG7	cg21071793	rs2442781	G	A	0.283	0.027	0.250	1.48E-25	0.010	0.003	1.72E-04	0.029	109.126	TRUE	1.84E-23
FEV1FVC	ATG7	cg21071793	rs55854132	G	A	-0.137	0.024	0.403	1.21E-08	-0.003	0.002	0.247	0.009	32.446	TRUE	2.87E-08
FEV1FVC	ATG7	cg21071793	rs62245784	A	G	-0.415	0.076	0.026	3.95E-08	-0.019	0.008	0.015	0.008	30.157	TRUE	1.74E-07
FEV1FVC	ATG7	cg21071793	rs78250516	T	A	0.523	0.065	0.036	1.33E-15	0.014	0.006	0.032	0.017	63.832	TRUE	1.14E-14

FEV1FVC	ATG7	cg24146269	rs143696892	C	A	-0.490	0.070	0.028	2.45E-12	-0.011	0.008	0.126	0.013	49.062	TRUE	9.72E-12
FEV1FVC	ATG7	cg24705426	rs11128552	G	T	-0.369	0.034	0.127	1.21E-27	0.004	0.003	0.197	0.031	118.644	TRUE	1.57E-26
FEV1FVC	ATG7	cg24705426	rs184700	T	C	-0.161	0.025	0.332	1.50E-10	0.011	0.003	1.59E-05	0.011	41.006	TRUE	2.71E-09
FEV1FVC	ATG7	cg25214561	rs112639057	A	G	-0.407	0.059	0.048	3.83E-12	0.002	0.006	0.689	0.013	48.182	TRUE	7.15E-12
FEV1FVC	ATG7	cg25214561	rs112885946	C	T	-0.742	0.122	0.023	1.34E-09	0.008	0.007	0.272	0.010	36.736	TRUE	3.28E-09
FEV1FVC	ATG7	cg25214561	rs11712789	G	C	-0.608	0.055	0.048	1.34E-28	0.009	0.005	0.091	0.032	123.019	TRUE	2.90E-27
FEV1FVC	ATG7	cg25214561	rs77015927	C	A	-1.491	0.063	0.036	1.03E-122	0.015	0.006	0.021	0.130	554.702	TRUE	8.56E-114
FEV1FVC	ATG7	cg25214561	rs9829399	T	C	-0.262	0.036	0.130	4.28E-13	-0.011	0.004	0.003	0.014	52.483	TRUE	4.89E-12
FEV1FVC	ATG7	cg25214561	rs9848960	T	C	-0.313	0.030	0.194	2.86E-25	0.010	0.003	0.002	0.028	107.820	TRUE	1.82E-23
FEV1FVC	ATP13A2	cg03937609	rs6703561	A	G	0.493	0.061	0.038	5.92E-16	0.021	0.006	8.35E-04	0.017	65.428	TRUE	1.30E-14
FEV1FVC	ATP13A2	cg06953703	rs9435739	G	A	0.159	0.025	0.332	1.31E-10	0.027	0.003	2.97E-26	0.011	41.276	TRUE	7.96E-08
FEV1FVC	ATP13A2	cg16027378	rs2235930	A	G	0.142	0.024	0.418	1.72E-09	0.027	0.002	7.13E-29	0.010	36.245	TRUE	9.31E-07
FEV1FVC	ATP13A2	cg22045253	rs34778293	A	G	0.279	0.048	0.062	5.82E-09	0.011	0.005	0.021	0.009	33.876	TRUE	2.63E-08
FEV1FVC	ATP13A2	cg22045253	rs56047197	A	G	0.532	0.026	0.266	1.10E-90	0.029	0.003	1.85E-27	0.099	407.587	TRUE	3.82E-78
FEV1FVC	ATP13A2	cg22045253	rs9435730	G	A	-0.182	0.031	0.165	4.17E-09	0.019	0.003	2.09E-09	0.009	34.524	TRUE	1.43E-07
FEV1FVC	ATP2A1	cg04414917	rs12928404	C	T	-0.399	0.024	0.392	4.69E-64	-0.006	0.002	0.016	0.072	285.373	TRUE	2.99E-60
FEV1FVC	ATP2A1	cg04414917	rs153105	C	T	-0.297	0.046	0.074	1.12E-10	-0.002	0.005	0.725	0.011	41.575	TRUE	1.87E-10
FEV1FVC	ATP2A1	cg04414917	rs28709965	A	G	0.171	0.023	0.491	3.09E-13	0.002	0.002	0.327	0.014	53.121	TRUE	9.00E-13
FEV1FVC	ATP2A1	cg04414917	rs73535886	C	T	-0.144	0.026	0.319	1.89E-08	-0.001	0.003	0.732	0.008	31.589	TRUE	2.81E-08
FEV1FVC	ATP2A1	cg05966235	rs11401	G	A	-0.193	0.031	0.184	4.40E-10	0.005	0.003	0.091	0.010	38.905	TRUE	1.58E-09
FEV1FVC	ATP2A1	cg05966235	rs11642449	T	C	0.766	0.022	0.346	1.24E-273	-0.004	0.003	0.088	0.252	1248.519	TRUE	7.62E-243
FEV1FVC	ATP2A1	cg05966235	rs369524013	A	G	-0.154	0.025	0.326	9.20E-10	0.003	0.003	0.259	0.010	37.468	TRUE	2.36E-09
FEV1FVC	ATP2A1	cg05966235	rs67479058	C	T	-0.334	0.029	0.191	3.48E-30	-0.002	0.003	0.515	0.034	130.253	TRUE	2.85E-29
FEV1FVC	ATP2A1	cg05966235	rs72791878	T	C	0.593	0.065	0.034	5.91E-20	-0.007	0.006	0.291	0.022	83.604	TRUE	3.07E-19
FEV1FVC	ATP2A1	cg05966235	rs8052258	C	T	-0.270	0.023	0.476	6.50E-31	0.002	0.002	0.333	0.035	133.581	TRUE	8.01E-30
FEV1FVC	ATP2A1	cg05966235	rs8054074	A	G	0.271	0.025	0.314	1.99E-26	-0.001	0.003	0.842	0.030	113.101	TRUE	7.52E-26
FEV1FVC	ATP2A1	cg08213689	rs40831	G	A	0.141	0.024	0.419	2.99E-09	-0.004	0.002	0.107	0.009	35.168	TRUE	9.61E-09
FEV1FVC	ATP2A1	cg10436792	rs11150697	T	C	0.323	0.038	0.121	2.00E-17	-0.001	0.004	0.847	0.019	72.102	TRUE	4.29E-17
FEV1FVC	ATP2A1	cg10436792	rs142505175	A	G	0.367	0.059	0.042	4.28E-10	0.005	0.006	0.387	0.010	38.958	TRUE	9.44E-10
FEV1FVC	ATP2A1	cg10436792	rs576443469	A	G	-0.229	0.026	0.278	2.68E-18	-0.004	0.003	0.101	0.020	76.073	TRUE	1.97E-17
FEV1FVC	ATP2A1	cg10436792	rs8052258	C	T	0.167	0.023	0.476	1.17E-12	0.002	0.002	0.333	0.013	50.510	TRUE	3.27E-12
FEV1FVC	ATP2A1	cg10436792	rs9933198	T	C	0.546	0.027	0.255	6.12E-94	0.003	0.003	0.263	0.103	422.529	TRUE	7.95E-89
FEV1FVC	ATP2A1	cg27473355	rs62037414	C	T	0.189	0.025	0.331	2.37E-14	-0.004	0.003	0.089	0.015	58.164	TRUE	1.30E-13
FEV1FVC	ATP2A3	cg00095677	rs2176323	T	C	0.312	0.050	0.123	4.59E-10	-0.012	0.004	0.001	0.010	38.825	TRUE	3.96E-09
FEV1FVC	ATP2A3	cg00095677	rs2240805	A	G	0.252	0.033	0.362	4.16E-14	0.005	0.003	0.076	0.015	57.062	TRUE	2.36E-13
FEV1FVC	ATP2A3	cg00095677	rs2254021	A	T	0.208	0.024	0.373	1.10E-17	0.019	0.002	1.30E-15	0.019	73.285	TRUE	1.17E-14
FEV1FVC	ATP2A3	cg00095677	rs56172839	T	C	-1.184	0.090	0.042	1.01E-39	0.004	0.006	0.503	0.045	173.873	TRUE	2.08E-38
FEV1FVC	ATP2A3	cg00095677	rs7208941	T	G	-1.378	0.033	0.137	<1E-200	0.004	0.004	0.319	0.315	1702.561	TRUE	<1E-200
FEV1FVC	ATP2A3	cg00095677	rs79760850	C	T	-0.921	0.102	0.020	1.71E-19	0.011	0.008	0.173	0.022	81.500	TRUE	1.13E-18
FEV1FVC	ATP2A3	cg01703329	rs8070203	C	A	0.499	0.028	0.232	1.05E-72	0.009	0.003	0.003	0.081	325.055	TRUE	8.65E-68
FEV1FVC	ATP2A3	cg01703329	rs933210	T	C	-0.162	0.030	0.190	4.48E-08	0.003	0.003	0.326	0.008	29.914	TRUE	9.10E-08
FEV1FVC	ATP2A3	cg01703329	rs9895032	T	C	0.180	0.023	0.495	1.11E-14	0.020	0.002	1.09E-16	0.016	59.667	TRUE	6.07E-12

FEV1FVC	ATP2A3	cg06463185	rs12936489	T	C	-0.815	0.043	0.142	1.78E-80	0.002	0.003	0.552	0.089	360.720	TRUE	7.84E-77
FEV1FVC	ATP2A3	cg06463185	rs142472050	A	G	0.291	0.052	0.109	1.91E-08	0.007	0.004	0.072	0.008	31.565	TRUE	6.23E-08
FEV1FVC	ATP2A3	cg06463185	rs2254021	A	T	0.170	0.024	0.373	2.57E-12	0.019	0.002	1.30E-15	0.013	48.962	TRUE	6.60E-10
FEV1FVC	ATP2A3	cg06463185	rs56172839	T	C	-0.636	0.092	0.042	4.11E-12	0.004	0.006	0.503	0.013	48.045	TRUE	9.10E-12
FEV1FVC	ATP2A3	cg06463185	rs79760850	C	T	-0.652	0.102	0.020	1.36E-10	0.011	0.008	0.173	0.011	41.200	TRUE	4.23E-10
FEV1FVC	ATP2A3	cg09013975	rs7213688	A	G	-0.198	0.030	0.194	3.57E-11	0.011	0.003	5.12E-04	0.012	43.814	TRUE	4.37E-10
FEV1FVC	ATP2A3	cg11608582	rs7215058	A	C	0.259	0.041	0.177	2.09E-10	0.004	0.003	0.173	0.011	40.358	TRUE	6.34E-10
FEV1FVC	ATP2A3	cg12868320	rs34689261	G	A	0.247	0.044	0.137	1.95E-08	0.002	0.003	0.520	0.008	31.524	TRUE	3.42E-08
FEV1FVC	ATP2A3	cg18963239	rs11871473	C	T	0.247	0.025	0.346	2.10E-23	0.011	0.003	9.40E-06	0.026	99.314	TRUE	3.27E-21
FEV1FVC	ATP2A3	cg18963239	rs12325787	T	C	0.189	0.030	0.186	2.03E-10	0.003	0.003	0.311	0.011	40.419	TRUE	4.96E-10
FEV1FVC	ATP2A3	cg20473595	rs11871473	C	T	0.348	0.025	0.346	6.65E-45	0.011	0.003	9.40E-06	0.051	197.587	TRUE	3.19E-41
FEV1FVC	ATP2A3	cg20473595	rs2301351	T	C	0.263	0.037	0.255	8.61E-13	0.005	0.003	0.073	0.014	51.111	TRUE	4.35E-12
FEV1FVC	ATP2A3	cg20473595	rs2727072	G	C	-0.180	0.030	0.188	2.27E-09	0.018	0.003	9.81E-10	0.010	35.710	TRUE	8.74E-08
FEV1FVC	ATP2A3	cg20473595	rs7214726	A	G	0.261	0.040	0.190	8.22E-11	0.009	0.003	0.004	0.011	42.182	TRUE	6.66E-10
FEV1FVC	ATP2A3	cg25599198	rs11652572	G	T	0.661	0.105	0.026	2.77E-10	-0.014	0.008	0.068	0.011	39.812	TRUE	1.11E-09
FEV1FVC	ATP2A3	cg25599198	rs138478638	C	T	0.615	0.036	0.253	2.02E-65	0.002	0.003	0.472	0.073	291.636	TRUE	1.11E-62
FEV1FVC	ATP2A3	cg25599198	rs28374275	G	A	0.257	0.025	0.346	2.85E-25	0.011	0.003	8.82E-06	0.028	107.824	TRUE	6.18E-23
FEV1FVC	ATP2A3	cg25599198	rs62071740	A	T	0.659	0.094	0.040	2.73E-12	-0.026	0.006	5.72E-05	0.013	48.850	TRUE	5.61E-11
FEV1FVC	ATP2A3	cg25599198	rs7212159	C	T	-0.221	0.030	0.189	1.19E-13	0.018	0.003	1.53E-09	0.015	54.988	TRUE	1.14E-11
FEV1FVC	ATP2A3	cg25599198	rs9893372	T	C	0.213	0.035	0.323	1.01E-09	-0.001	0.003	0.834	0.010	37.293	TRUE	1.45E-09
FEV1FVC	ATP2A3	cg25599198	rs9907835	T	G	0.294	0.035	0.131	3.60E-17	0.015	0.004	2.08E-05	0.019	70.947	TRUE	1.84E-15
FEV1FVC	ATP2A3	cg25738176	rs111834286	A	G	-0.235	0.037	0.114	2.72E-10	0.014	0.004	1.10E-04	0.011	39.848	TRUE	3.71E-09
FEV1FVC	ATP2A3	cg25738176	rs12601931	C	T	0.187	0.030	0.187	6.26E-10	0.018	0.003	1.01E-09	0.010	38.219	TRUE	2.77E-08
FEV1FVC	ATP2A3	cg25738176	rs1468573	G	A	-0.299	0.024	0.426	3.81E-36	0.008	0.002	0.002	0.041	157.501	TRUE	1.05E-33
FEV1FVC	ATP2A3	cg25738176	rs56369222	A	G	-0.349	0.044	0.233	1.10E-15	0.003	0.003	0.355	0.017	64.200	TRUE	3.75E-15
FEV1FVC	ATP2A3	cg25738176	rs76401897	T	C	-0.320	0.052	0.053	1.06E-09	0.006	0.006	0.278	0.010	37.194	TRUE	2.57E-09
FEV1FVC	ATP6V0A1	cg00706536	rs10512488	A	G	-0.158	0.027	0.247	6.86E-09	-0.007	0.003	0.011	0.009	33.555	TRUE	3.58E-08
FEV1FVC	ATP6V0A1	cg00706536	rs145289234	G	A	1.042	0.045	0.069	3.46E-117	0.007	0.005	0.145	0.125	529.310	TRUE	1.26E-109
FEV1FVC	ATP6V0A1	cg00706536	rs161620	C	A	0.247	0.029	0.198	2.03E-17	0.000	0.003	0.894	0.019	72.072	TRUE	4.13E-17
FEV1FVC	ATP6V0A1	cg00706536	rs2074164	C	G	0.239	0.031	0.183	8.52E-15	0.007	0.003	0.025	0.016	60.180	TRUE	7.04E-14
FEV1FVC	ATP6V0A1	cg00706536	rs709631	A	T	0.191	0.026	0.302	1.28E-13	0.005	0.003	0.078	0.015	54.855	TRUE	6.59E-13
FEV1FVC	ATP6V0A1	cg00706536	rs74670515	C	T	0.516	0.069	0.028	8.96E-14	-0.008	0.007	0.222	0.015	55.553	TRUE	3.27E-13
FEV1FVC	ATP6V0A1	cg15269394	rs35111218	T	G	0.152	0.027	0.253	2.05E-08	0.007	0.003	0.010	0.008	31.428	TRUE	9.97E-08
FEV1FVC	ATP6V0A1	cg20082357	rs9897504	T	C	-0.145	0.026	0.274	2.20E-08	-0.008	0.003	0.002	0.008	31.296	TRUE	1.40E-07
FEV1FVC	ATP6V0A2	cg02460419	rs10773024	G	C	-0.393	0.057	0.042	5.34E-12	-0.018	0.006	0.003	0.013	47.533	TRUE	5.38E-11
FEV1FVC	ATP6V0A2	cg02460419	rs112002563	T	C	0.366	0.058	0.046	2.31E-10	0.008	0.006	0.144	0.011	40.160	TRUE	7.47E-10
FEV1FVC	ATP6V0A2	cg02460419	rs141433349	A	G	0.340	0.059	0.035	7.83E-09	0.010	0.006	0.115	0.009	33.299	TRUE	2.34E-08
FEV1FVC	ATP6V0A2	cg02460419	rs147460725	T	G	0.421	0.041	0.084	5.45E-25	0.014	0.004	6.35E-04	0.028	106.543	TRUE	4.12E-23
FEV1FVC	ATP6V0A2	cg02460419	rs2341779	G	A	-0.132	0.024	0.421	2.32E-08	0.002	0.002	0.523	0.008	31.193	TRUE	3.99E-08
FEV1FVC	ATP6V0A2	cg02460419	rs34224739	G	A	0.431	0.050	0.060	9.67E-18	0.006	0.005	0.223	0.019	73.540	TRUE	4.83E-17
FEV1FVC	ATP6V0A2	cg02460419	rs35157218	T	C	0.308	0.041	0.218	6.99E-14	0.002	0.003	0.468	0.015	56.042	TRUE	1.78E-13
FEV1FVC	ATP6V0A2	cg02460419	rs3926666	C	T	0.153	0.025	0.310	1.07E-09	-0.002	0.003	0.428	0.010	37.165	TRUE	2.18E-09

FEV1FVC	ATP6V0A2	cg02460419	rs4930730	T	G	-0.222	0.024	0.476	9.42E-21	-0.007	0.002	0.004	0.023	87.233	TRUE	2.60E-19
FEV1FVC	ATP6V0A2	cg02460419	rs6488898	G	A	0.321	0.058	0.076	3.89E-08	0.009	0.005	0.047	0.008	30.188	TRUE	1.34E-07
FEV1FVC	ATP6V0A2	cg02460419	rs7313032	A	G	0.664	0.023	0.423	3.53E-183	0.012	0.002	5.02E-07	0.184	832.597	TRUE	1.61E-163
FEV1FVC	ATP6V0A2	cg04140754	rs111853781	G	T	-0.994	0.092	0.017	5.03E-27	0.008	0.009	0.383	0.030	115.824	TRUE	3.97E-26
FEV1FVC	ATP6V0A2	cg04140754	rs117209788	T	C	0.471	0.041	0.086	3.62E-31	0.014	0.004	0.001	0.035	134.744	TRUE	5.74E-29
FEV1FVC	ATP6V0A2	cg04140754	rs13303334	G	A	0.262	0.042	0.215	3.67E-10	0.004	0.003	0.210	0.011	39.259	TRUE	1.01E-09
FEV1FVC	ATP6V0A2	cg04140754	rs138808037	T	C	0.372	0.068	0.030	4.60E-08	-0.002	0.007	0.820	0.008	29.861	TRUE	6.30E-08
FEV1FVC	ATP6V0A2	cg04140754	rs141433349	A	G	0.407	0.059	0.035	3.84E-12	0.010	0.006	0.115	0.013	48.177	TRUE	1.54E-11
FEV1FVC	ATP6V0A2	cg04140754	rs2203500	G	A	0.747	0.023	0.404	7.01E-236	0.012	0.002	2.51E-06	0.225	1074.911	TRUE	6.86E-208
FEV1FVC	ATP6V0A2	cg04140754	rs2674505	G	A	0.293	0.024	0.411	1.03E-35	0.003	0.002	0.235	0.040	155.527	TRUE	2.71E-34
FEV1FVC	ATP6V0A2	cg04140754	rs28531860	G	A	0.141	0.025	0.321	2.58E-08	0.002	0.003	0.560	0.008	30.984	TRUE	4.38E-08
FEV1FVC	ATP6V0A2	cg04140754	rs3926666	C	T	0.169	0.025	0.310	1.76E-11	-0.002	0.003	0.428	0.012	45.196	TRUE	4.00E-11
FEV1FVC	ATP6V0A2	cg04140754	rs55920625	A	C	0.550	0.049	0.061	9.41E-29	0.007	0.005	0.200	0.032	123.714	TRUE	1.32E-27
FEV1FVC	ATP6V0A2	cg04140754	rs6488898	G	A	0.361	0.058	0.076	4.65E-10	0.009	0.005	0.047	0.010	38.799	TRUE	1.96E-09
FEV1FVC	ATP6V0A2	cg04140754	rs7138100	A	C	-0.237	0.025	0.344	8.81E-22	-0.001	0.003	0.673	0.024	91.918	TRUE	3.05E-21
FEV1FVC	ATP6V0A2	cg06735598	rs10773039	A	G	-0.171	0.023	0.459	2.21E-13	0.001	0.002	0.705	0.014	53.777	TRUE	4.32E-13
FEV1FVC	ATP6V0A2	cg06735598	rs10846530	C	G	0.436	0.065	0.031	2.65E-11	-0.016	0.007	0.015	0.012	44.392	TRUE	1.69E-10
FEV1FVC	ATP6V0A2	cg06735598	rs112002563	T	C	-0.475	0.058	0.046	1.59E-16	0.008	0.006	0.144	0.018	68.014	TRUE	8.77E-16
FEV1FVC	ATP6V0A2	cg06735598	rs11615300	G	A	-0.825	0.021	0.419	<1E-200	0.011	0.002	1.27E-05	0.297	1564.659	TRUE	3.39E-293
FEV1FVC	ATP6V0A2	cg06735598	rs116981002	G	A	0.410	0.071	0.056	7.74E-09	-0.010	0.006	0.085	0.009	33.320	TRUE	2.53E-08
FEV1FVC	ATP6V0A2	cg06735598	rs11834698	G	A	-0.386	0.063	0.038	8.20E-10	0.011	0.006	0.073	0.010	37.691	TRUE	3.07E-09
FEV1FVC	ATP6V0A2	cg06735598	rs141433349	A	G	-0.345	0.059	0.035	4.75E-09	0.010	0.006	0.115	0.009	34.269	TRUE	1.45E-08
FEV1FVC	ATP6V0A2	cg06735598	rs143928387	T	C	-0.444	0.041	0.085	2.00E-27	0.014	0.004	0.001	0.031	117.654	TRUE	1.82E-25
FEV1FVC	ATP6V0A2	cg06735598	rs2674506	C	T	-0.321	0.024	0.412	6.10E-41	0.008	0.002	0.001	0.046	179.444	TRUE	3.66E-38
FEV1FVC	ATP6V0A2	cg06735598	rs34224739	G	A	-0.519	0.050	0.060	4.45E-25	0.006	0.005	0.223	0.028	106.944	TRUE	4.18E-24
FEV1FVC	ATP6V0A2	cg06735598	rs35157218	T	C	-0.392	0.041	0.218	9.44E-22	0.002	0.003	0.468	0.024	91.782	TRUE	4.18E-21
FEV1FVC	ATP6V0A2	cg06735598	rs3926666	C	T	-0.167	0.025	0.310	3.47E-11	-0.002	0.003	0.428	0.012	43.869	TRUE	7.74E-11
FEV1FVC	ATP6V0A2	cg06735598	rs6488907	A	G	0.143	0.025	0.296	1.52E-08	-0.009	0.003	9.32E-04	0.009	32.013	TRUE	1.12E-07
FEV1FVC	ATP6V0A2	cg06735598	rs7964876	T	C	-0.330	0.044	0.068	6.83E-14	0.001	0.005	0.774	0.015	56.085	TRUE	1.29E-13
FEV1FVC	ATP6V0A2	cg16376770	rs7302788	C	T	-0.147	0.024	0.406	8.92E-10	0.012	0.002	2.70E-06	0.010	37.527	TRUE	1.82E-08
FEV1FVC	ATP6V0A2	cg17306339	rs111260541	A	G	0.908	0.096	0.018	3.45E-21	0.013	0.009	0.163	0.024	89.221	TRUE	2.71E-20
FEV1FVC	ATP6V0A2	cg17306339	rs4040225	A	G	0.182	0.024	0.453	6.93E-14	0.008	0.002	5.74E-04	0.015	56.057	TRUE	1.23E-12
FEV1FVC	ATP6V0A2	cg21179092	rs7133199	C	A	0.237	0.024	0.423	2.38E-23	0.012	0.002	4.34E-07	0.026	99.063	TRUE	7.13E-21
FEV1FVC	ATP6V0A2	cg25710520	rs11572926	G	A	0.272	0.049	0.060	3.65E-08	-0.010	0.005	0.049	0.008	30.308	TRUE	1.26E-07
FEV1FVC	ATP6V0A2	cg25710520	rs117209788	T	C	-0.282	0.041	0.086	5.11E-12	0.014	0.004	0.001	0.013	47.619	TRUE	6.19E-11
FEV1FVC	ATP6V0A2	cg25710520	rs11837256	T	A	-0.543	0.024	0.404	5.25E-118	0.012	0.003	1.81E-06	0.126	533.070	TRUE	2.38E-107
FEV1FVC	ATP6V0A2	cg25710520	rs13303189	T	A	-0.277	0.042	0.211	6.14E-11	0.004	0.003	0.220	0.011	42.752	TRUE	1.80E-10
FEV1FVC	ATP6V0A2	cg25710520	rs2674505	G	A	-0.186	0.024	0.411	3.77E-15	0.003	0.002	0.235	0.016	61.783	TRUE	1.52E-14
FEV1FVC	ATP6V0A2	cg25710520	rs55920625	A	C	-0.317	0.050	0.061	1.82E-10	0.007	0.005	0.200	0.011	40.632	TRUE	5.28E-10
FEV1FVC	ATP6V0D1	cg04726373	rs147994279	T	C	-0.535	0.062	0.035	6.91E-18	0.031	0.007	2.25E-06	0.020	74.202	TRUE	5.77E-16
FEV1FVC	ATP6V0D1	cg06120000	rs75204333	C	T	0.377	0.055	0.045	1.02E-11	0.036	0.006	8.37E-10	0.012	46.268	TRUE	6.97E-10
FEV1FVC	ATP6V0D1	cg07871059	rs55966046	A	C	-0.342	0.044	0.074	5.47E-15	0.037	0.005	1.03E-16	0.016	61.051	TRUE	3.40E-12

FEV1FVC	ATP6V0D1	cg08830672	rs111986796	T	C	0.743	0.091	0.020	2.52E-16	0.026	0.010	0.009	0.018	67.107	TRUE	3.33E-15
FEV1FVC	ATP6V0D1	cg08830672	rs55966046	A	C	-0.480	0.044	0.074	2.89E-28	0.037	0.005	1.03E-16	0.032	121.491	TRUE	4.71E-24
FEV1FVC	ATP6V0D1	cg08830672	rs8051517	C	T	-0.325	0.050	0.057	1.06E-10	0.023	0.005	2.24E-06	0.011	41.685	TRUE	2.43E-09
FEV1FVC	ATP6V0D1	cg08830672	rs9930024	C	T	-0.152	0.024	0.400	2.84E-10	0.010	0.002	9.12E-05	0.011	39.759	TRUE	3.96E-09
FEV1FVC	ATP6V0D1	cg10189135	rs111986796	T	C	0.576	0.091	0.020	2.23E-10	0.026	0.010	0.009	0.011	40.228	TRUE	1.44E-09
FEV1FVC	ATP6V0D1	cg10189135	rs55966046	A	C	-0.405	0.044	0.074	1.73E-20	0.037	0.005	1.03E-16	0.023	86.033	TRUE	4.43E-17
FEV1FVC	ATP6V1B1	cg05081778	rs6546653	A	C	0.135	0.024	0.420	1.80E-08	0.005	0.002	0.063	0.008	31.680	TRUE	6.15E-08
FEV1FVC	ATP6V1B1	cg05081778	rs6710208	C	T	-0.402	0.023	0.452	3.83E-67	0.000	0.002	0.933	0.075	299.537	TRUE	9.25E-65
FEV1FVC	ATP6V1B1	cg05081778	rs7584322	A	C	0.207	0.023	0.468	6.86E-19	0.005	0.002	0.042	0.021	78.761	TRUE	7.54E-18
FEV1FVC	ATP6V1B1	cg05159370	rs11690533	T	C	-1.577	0.054	0.043	1.59E-188	0.005	0.006	0.425	0.188	857.168	TRUE	5.26E-173
FEV1FVC	ATP6V1B1	cg05159370	rs12475175	G	A	-0.314	0.025	0.310	4.15E-35	-0.005	0.003	0.070	0.040	152.760	TRUE	2.06E-33
FEV1FVC	ATP6V1B1	cg05159370	rs13400501	G	C	0.262	0.037	0.121	9.47E-13	0.001	0.004	0.789	0.014	50.924	TRUE	1.65E-12
FEV1FVC	ATP6V1B1	cg05159370	rs1861854	T	C	-0.164	0.027	0.248	2.37E-09	0.001	0.003	0.763	0.010	35.627	TRUE	3.57E-09
FEV1FVC	ATP6V1B1	cg05159370	rs384854	G	A	0.229	0.029	0.207	6.52E-15	0.004	0.003	0.184	0.016	60.705	TRUE	2.76E-14
FEV1FVC	ATP6V1B1	cg05159370	rs6760340	C	T	0.154	0.025	0.376	4.94E-10	0.000	0.003	0.883	0.010	38.681	TRUE	7.09E-10
FEV1FVC	ATP6V1B1	cg05159370	rs71416709	T	C	-0.333	0.046	0.067	6.42E-13	-0.001	0.005	0.788	0.014	51.687	TRUE	1.12E-12
FEV1FVC	ATP6V1B1	cg05159370	rs7586862	G	A	0.245	0.032	0.477	1.68E-14	-0.001	0.002	0.836	0.016	58.848	TRUE	3.08E-14
FEV1FVC	ATP6V1B1	cg05159370	rs78278548	A	G	-0.992	0.110	0.015	2.71E-19	0.010	0.010	0.352	0.021	80.594	TRUE	1.21E-18
FEV1FVC	ATP6V1B1	cg05159370	rs9309443	G	A	0.129	0.023	0.467	3.36E-08	-0.003	0.002	0.211	0.008	30.470	TRUE	8.02E-08
FEV1FVC	ATP6V1B1	cg06946880	rs10209796	C	T	0.386	0.041	0.083	1.04E-20	-0.003	0.004	0.488	0.023	87.046	TRUE	4.14E-20
FEV1FVC	ATP6V1B1	cg06946880	rs2902581	T	C	0.160	0.025	0.333	1.37E-10	0.002	0.003	0.515	0.011	41.179	TRUE	2.72E-10
FEV1FVC	ATP6V1B1	cg06946880	rs7584322	A	C	-0.337	0.023	0.468	4.06E-48	0.005	0.002	0.042	0.054	212.311	TRUE	1.38E-45
FEV1FVC	ATP6V1B1	cg08576304	rs6546653	A	C	0.178	0.024	0.420	1.02E-13	0.005	0.002	0.063	0.015	55.304	TRUE	5.86E-13
FEV1FVC	ATP6V1B1	cg13649600	rs6710208	C	T	-0.199	0.024	0.452	2.90E-17	0.000	0.002	0.933	0.019	71.372	TRUE	5.59E-17
FEV1FVC	ATP6V1B1	cg22387939	rs11681519	C	T	0.235	0.030	0.194	1.91E-15	0.007	0.003	0.029	0.017	63.117	TRUE	1.66E-14
FEV1FVC	ATP6V1B1	cg22387939	rs6710208	C	T	0.151	0.024	0.452	1.33E-10	0.000	0.002	0.933	0.011	41.246	TRUE	1.86E-10
FEV1FVC	ATP6V1B1	cg24334149	rs10469885	T	C	0.337	0.044	0.071	1.54E-14	-0.003	0.004	0.487	0.016	59.020	TRUE	4.06E-14
FEV1FVC	ATP6V1B1	cg24334149	rs11681519	C	T	-0.395	0.030	0.194	1.07E-40	0.007	0.003	0.029	0.046	178.330	TRUE	1.68E-38
FEV1FVC	ATP6V1B1	cg24334149	rs11690533	T	C	0.328	0.057	0.043	9.38E-09	0.005	0.006	0.425	0.009	32.949	TRUE	1.83E-08
FEV1FVC	ATP6V1B1	cg24334149	rs12469950	A	G	0.293	0.032	0.417	1.40E-19	0.000	0.002	0.988	0.022	81.899	TRUE	2.86E-19
FEV1FVC	ATP6V1B1	cg24334149	rs148267864	A	T	-0.208	0.036	0.123	5.39E-09	0.002	0.004	0.601	0.009	34.023	TRUE	9.06E-09
FEV1FVC	ATP6V1B1	cg24334149	rs6710208	C	T	-0.410	0.023	0.452	4.33E-70	0.000	0.002	0.933	0.078	313.057	TRUE	1.59E-67
FEV1FVC	ATP6V1B1	cg24334149	rs78081987	G	A	-0.291	0.039	0.100	4.76E-14	0.000	0.004	0.958	0.015	56.795	TRUE	7.61E-14
FEV1FVC	ATP6V1B1	cg26907313	rs12469950	A	G	-0.198	0.033	0.417	1.23E-09	0.000	0.002	0.988	0.010	36.901	TRUE	1.58E-09
FEV1FVC	ATP6V1B1	cg26907313	rs13000315	A	T	-0.476	0.064	0.036	1.20E-13	0.004	0.006	0.521	0.015	54.986	TRUE	2.88E-13
FEV1FVC	ATP6V1B1	cg26907313	rs6710208	C	T	0.261	0.023	0.452	1.02E-28	0.000	0.002	0.933	0.032	123.553	TRUE	4.07E-28
FEV1FVC	ATP6V1B1	cg26929806	rs12469064	T	C	-0.187	0.033	0.416	1.08E-08	0.000	0.002	0.928	0.009	32.670	TRUE	1.41E-08
FEV1FVC	ATP6V1B1	cg26929806	rs13000315	A	T	0.594	0.064	0.036	1.80E-20	0.004	0.006	0.521	0.023	85.952	TRUE	6.87E-20
FEV1FVC	ATP6V1B1	cg26929806	rs4852730	T	C	-0.234	0.026	0.269	1.86E-19	0.001	0.003	0.795	0.022	81.337	TRUE	4.72E-19
FEV1FVC	ATP6V1B1	cg26929806	rs6710208	C	T	0.264	0.024	0.452	3.77E-29	0.000	0.002	0.933	0.033	125.526	TRUE	1.55E-28
FEV1FVC	ATP6V1B2	cg04395689	rs13252207	A	G	0.331	0.032	0.191	1.36E-25	0.006	0.003	0.036	0.029	109.286	TRUE	3.21E-24
FEV1FVC	ATP6V1B2	cg04395689	rs71510685	T	G	-0.213	0.029	0.266	3.09E-13	-0.005	0.003	0.102	0.014	53.120	TRUE	1.47E-12

FEV1FVC	ATP6V1B2	cg13734055	rs62498255	A	G	0.197	0.032	0.204	4.49E-10	0.006	0.003	0.046	0.010	38.865	TRUE	1.94E-09
FEV1FVC	ATP6V1C1	cg03506193	rs116549961	A	G	0.788	0.042	0.100	8.73E-79	-0.010	0.004	0.020	0.087	352.960	TRUE	5.95E-74
FEV1FVC	ATP6V1C1	cg03506193	rs11774996	A	T	0.187	0.034	0.169	3.22E-08	-0.005	0.003	0.155	0.008	30.551	TRUE	8.31E-08
FEV1FVC	ATP6V1C1	cg03506193	rs7825152	G	C	0.175	0.027	0.298	1.34E-10	0.003	0.003	0.189	0.011	41.234	TRUE	4.00E-10
FEV1FVC	ATP6V1C1	cg03506193	rs79956307	T	C	0.484	0.087	0.020	2.60E-08	-0.001	0.009	0.880	0.008	30.972	TRUE	3.46E-08
FEV1FVC	ATP6V1C1	cg07079489	rs2458275	A	C	-1.118	0.089	0.044	2.54E-36	-0.001	0.006	0.900	0.041	158.308	TRUE	1.97E-35
FEV1FVC	ATP6V1C1	cg07079489	rs2515198	T	A	-0.153	0.027	0.332	1.10E-08	0.004	0.003	0.135	0.009	32.631	TRUE	3.17E-08
FEV1FVC	ATP6V1C1	cg23420841	rs10283404	C	A	0.159	0.026	0.431	5.35E-10	0.004	0.002	0.107	0.010	38.523	TRUE	1.84E-09
FEV1FVC	ATP6V1C1	cg23420841	rs2458286	C	T	0.160	0.027	0.344	1.57E-09	0.003	0.003	0.256	0.010	36.424	TRUE	3.96E-09
FEV1FVC	ATP6V1C1	cg23420841	rs2515174	G	C	-0.317	0.026	0.377	1.12E-34	-0.007	0.003	0.004	0.039	150.780	TRUE	1.82E-32
FEV1FVC	ATP6V1C1	cg23420841	rs72669327	T	C	0.472	0.042	0.100	2.23E-29	-0.002	0.004	0.699	0.033	126.573	TRUE	1.29E-28
FEV1FVC	ATP6V1E2	cg02822958	rs10209278	C	T	-0.221	0.025	0.325	5.94E-19	0.002	0.003	0.391	0.021	79.045	TRUE	2.47E-18
FEV1FVC	ATP6V1E2	cg02822958	rs116814191	C	T	-0.473	0.036	0.111	3.82E-39	0.004	0.004	0.294	0.044	171.222	TRUE	1.20E-37
FEV1FVC	ATP6V1E2	cg02822958	rs12614710	T	G	0.162	0.024	0.427	7.45E-12	-0.004	0.002	0.137	0.013	46.881	TRUE	2.72E-11
FEV1FVC	ATP6V1E2	cg02822958	rs13011481	T	C	-0.239	0.024	0.414	1.81E-23	0.007	0.002	0.004	0.026	99.610	TRUE	7.24E-22
FEV1FVC	ATP6V1E2	cg02822958	rs13011721	G	T	0.645	0.080	0.042	1.07E-15	-0.001	0.006	0.891	0.017	64.264	TRUE	1.97E-15
FEV1FVC	ATP6V1E2	cg02822958	rs13382833	C	T	-0.382	0.068	0.063	2.40E-08	-0.001	0.005	0.777	0.008	31.123	TRUE	3.44E-08
FEV1FVC	ATP6V1E2	cg02822958	rs188749997	T	C	-0.434	0.078	0.023	2.79E-08	-0.005	0.009	0.557	0.008	30.832	TRUE	4.68E-08
FEV1FVC	ATP6V1E2	cg02822958	rs60154242	G	A	-0.314	0.025	0.328	9.97E-37	0.002	0.003	0.420	0.042	160.166	TRUE	1.79E-35
FEV1FVC	ATP6V1E2	cg02822958	rs62134690	T	G	-0.448	0.050	0.058	7.27E-19	0.008	0.005	0.082	0.021	78.646	TRUE	6.25E-18
FEV1FVC	ATP6V1E2	cg02822958	rs62136895	A	G	0.303	0.030	0.188	1.09E-23	-0.007	0.003	0.023	0.026	100.610	TRUE	2.52E-22
FEV1FVC	ATP6V1E2	cg02822958	rs6719054	A	C	-0.883	0.018	0.487	<1E-200	0.009	0.002	1.11E-04	0.385	2311.347	TRUE	<1E-200
FEV1FVC	ATP6V1E2	cg02822958	rs72808521	C	T	-0.281	0.050	0.056	1.39E-08	-0.003	0.005	0.483	0.009	32.182	TRUE	2.54E-08
FEV1FVC	ATP6V1E2	cg02822958	rs7594523	C	G	0.325	0.024	0.364	6.10E-42	-0.005	0.002	0.033	0.047	184.023	TRUE	1.08E-39
FEV1FVC	ATP6V1E2	cg02822958	rs7609080	C	T	0.349	0.034	0.140	1.67E-24	-0.001	0.003	0.836	0.027	104.329	TRUE	5.58E-24
FEV1FVC	ATP6V1E2	cg02822958	rs76724814	A	G	0.459	0.049	0.060	8.61E-21	-0.004	0.005	0.405	0.023	87.411	TRUE	3.92E-20
FEV1FVC	ATP6V1E2	cg02822958	rs78984810	C	T	-0.434	0.047	0.075	5.22E-20	0.006	0.005	0.171	0.022	83.847	TRUE	3.67E-19
FEV1FVC	ATP6V1E2	cg02822958	rs79583301	A	G	-0.461	0.044	0.072	1.65E-25	-0.001	0.005	0.891	0.029	108.905	TRUE	5.52E-25
FEV1FVC	ATP6V1E2	cg04944393	rs13025211	G	A	-0.177	0.024	0.373	2.56E-13	-0.010	0.002	2.61E-05	0.014	53.488	TRUE	7.34E-12
FEV1FVC	ATP6V1E2	cg15759873	rs880671	A	G	0.147	0.024	0.370	1.08E-09	-0.010	0.002	4.44E-05	0.010	37.151	TRUE	1.54E-08
FEV1FVC	ATP6V1E2	cg26688816	rs11125081	C	T	-0.614	0.076	0.022	5.84E-16	0.014	0.008	0.057	0.017	65.453	TRUE	4.25E-15
FEV1FVC	ATP6V1E2	cg26688816	rs11884098	T	C	0.340	0.036	0.121	3.00E-21	0.009	0.004	0.012	0.024	89.494	TRUE	6.48E-20
FEV1FVC	ATP6V1E2	cg26688816	rs11890291	C	T	0.547	0.032	0.151	3.61E-64	0.000	0.003	0.977	0.072	285.893	TRUE	5.34E-62
FEV1FVC	ATP6V1E2	cg26688816	rs143098296	A	G	-0.641	0.072	0.024	4.11E-19	-0.010	0.007	0.137	0.021	79.771	TRUE	2.90E-18
FEV1FVC	ATP6V1E2	cg26688816	rs180698060	G	C	0.311	0.057	0.049	4.01E-08	0.005	0.006	0.371	0.008	30.128	TRUE	7.89E-08
FEV1FVC	ATP6V1E2	cg26688816	rs35706639	G	A	0.218	0.040	0.185	3.48E-08	0.003	0.003	0.362	0.008	30.401	TRUE	6.89E-08
FEV1FVC	ATP6V1E2	cg26688816	rs41281473	T	C	0.679	0.124	0.022	4.41E-08	0.004	0.008	0.607	0.008	29.946	TRUE	7.06E-08
FEV1FVC	ATP6V1E2	cg26688816	rs4953396	A	C	-0.894	0.021	0.341	<1E-200	-0.011	0.003	1.37E-05	0.332	1840.220	TRUE	<1E-200
FEV1FVC	ATP6V1E2	cg26688816	rs4953402	G	C	0.239	0.031	0.183	1.57E-14	0.004	0.003	0.244	0.016	58.981	TRUE	5.79E-14
FEV1FVC	ATP6V1E2	cg26688816	rs55736130	A	G	-0.194	0.024	0.485	2.07E-16	-0.006	0.002	0.021	0.018	67.503	TRUE	2.14E-15
FEV1FVC	ATP6V1E2	cg26688816	rs56288593	A	G	-0.160	0.024	0.348	5.16E-11	-0.006	0.003	0.012	0.012	43.093	TRUE	3.31E-10
FEV1FVC	ATP6V1E2	cg26688816	rs60470928	G	A	-0.532	0.068	0.057	4.94E-15	-0.001	0.005	0.883	0.016	61.250	TRUE	8.89E-15

FEV1FVC	ATP6V1E2	cg26688816	rs60999035	A	G	0.361	0.036	0.121	1.56E-23	0.000	0.004	0.983	0.026	99.906	TRUE	4.12E-23
FEV1FVC	ATP6V1E2	cg26688816	rs62134690	T	G	0.323	0.050	0.058	1.51E-10	0.008	0.005	0.082	0.011	40.991	TRUE	5.90E-10
FEV1FVC	ATP6V1E2	cg26688816	rs62136870	G	A	-0.648	0.115	0.027	1.71E-08	-0.012	0.007	0.097	0.009	31.778	TRUE	5.21E-08
FEV1FVC	ATP6V1E2	cg26688816	rs62136898	A	T	-0.268	0.028	0.233	6.13E-22	-0.005	0.003	0.077	0.024	92.634	TRUE	7.10E-21
FEV1FVC	ATP6V1E2	cg26688816	rs6741114	G	T	0.254	0.024	0.381	9.43E-27	0.003	0.003	0.194	0.030	114.579	TRUE	1.10E-25
FEV1FVC	ATP6V1E2	cg26688816	rs75012349	C	T	-0.650	0.085	0.017	1.58E-14	0.002	0.008	0.780	0.016	58.967	TRUE	3.06E-14
FEV1FVC	BAG3	cg10673740	rs10886529	A	G	0.191	0.025	0.359	1.39E-14	-0.003	0.003	0.223	0.016	59.219	TRUE	5.47E-14
FEV1FVC	BAG3	cg10673740	rs11199043	A	G	0.136	0.023	0.497	5.72E-09	-0.008	0.002	8.60E-04	0.009	33.909	TRUE	4.56E-08
FEV1FVC	BAG3	cg10673740	rs144814361	T	C	1.061	0.090	0.019	4.01E-32	0.007	0.010	0.501	0.036	139.110	TRUE	4.06E-31
FEV1FVC	BAG3	cg10673740	rs2289307	C	T	0.218	0.025	0.362	7.90E-19	0.000	0.003	0.941	0.021	78.482	TRUE	1.65E-18
FEV1FVC	BAG3	cg17076667	rs10787984	G	C	0.168	0.030	0.192	1.37E-08	0.005	0.003	0.115	0.009	32.219	TRUE	4.02E-08
FEV1FVC	BAG3	cg17076667	rs10787985	C	T	0.204	0.024	0.416	1.71E-17	-0.003	0.002	0.272	0.019	72.410	TRUE	7.81E-17
FEV1FVC	BAG3	cg17076667	rs11199103	G	A	-0.183	0.029	0.191	3.58E-10	0.007	0.003	0.015	0.011	39.309	TRUE	2.04E-09
FEV1FVC	BAG3	cg17076667	rs1537577	T	C	-0.156	0.026	0.296	1.11E-09	0.003	0.003	0.292	0.010	37.105	TRUE	2.69E-09
FEV1FVC	BAG3	cg17076667	rs196304	A	T	0.269	0.027	0.261	5.62E-24	0.000	0.003	0.894	0.027	101.922	TRUE	1.72E-23
FEV1FVC	BAG3	cg17076667	rs196326	C	G	-0.674	0.027	0.206	5.80E-133	0.007	0.003	0.018	0.140	601.791	TRUE	7.82E-123
FEV1FVC	BAG3	cg17076667	rs2184354	A	C	-0.302	0.039	0.106	5.32E-15	0.004	0.004	0.308	0.016	61.105	TRUE	1.85E-14
FEV1FVC	BAG3	cg17076667	rs3892879	A	G	0.196	0.027	0.265	2.34E-13	-0.006	0.003	0.038	0.014	53.665	TRUE	1.46E-12
FEV1FVC	BAG3	cg17076667	rs4752327	G	A	-0.264	0.027	0.239	3.09E-22	0.006	0.003	0.035	0.025	93.991	TRUE	5.10E-21
FEV1FVC	BAX	cg01284415	rs11666105	C	T	-0.195	0.030	0.178	1.45E-10	0.004	0.003	0.166	0.011	41.071	TRUE	4.52E-10
FEV1FVC	BAX	cg01284415	rs140747916	T	A	0.433	0.040	0.100	3.12E-27	0.014	0.004	4.54E-04	0.031	116.769	TRUE	3.48E-25
FEV1FVC	BAX	cg01284415	rs1862492	C	T	-0.508	0.023	0.381	2.44E-104	-0.005	0.002	0.051	0.113	470.293	TRUE	1.54E-97
FEV1FVC	BAX	cg01284415	rs4645881	C	T	0.543	0.046	0.135	1.33E-31	0.014	0.003	1.71E-05	0.036	136.725	TRUE	6.27E-29
FEV1FVC	BAX	cg14833160	rs140747916	T	A	0.347	0.040	0.100	5.52E-18	0.014	0.004	4.54E-04	0.020	74.645	TRUE	1.74E-16
FEV1FVC	BAX	cg14833160	rs1862492	C	T	-0.312	0.024	0.381	7.43E-39	-0.005	0.002	0.051	0.044	169.900	TRUE	7.23E-37
FEV1FVC	BAX	cg14833160	rs4645881	C	T	0.532	0.046	0.135	2.36E-30	0.014	0.003	1.71E-05	0.034	131.023	TRUE	9.15E-28
FEV1FVC	BAX	cg26673286	rs1009316	T	C	-0.325	0.047	0.116	7.04E-12	0.013	0.004	3.43E-04	0.013	46.991	TRUE	9.93E-11
FEV1FVC	BAX	cg27565645	rs11671610	T	A	0.875	0.049	0.113	6.68E-72	0.013	0.004	4.27E-04	0.080	321.369	TRUE	1.01E-66
FEV1FVC	BAX	cg27565645	rs1862492	C	T	-0.310	0.024	0.381	1.55E-38	-0.005	0.002	0.051	0.044	168.438	TRUE	1.45E-36
FEV1FVC	BAX	cg27565645	rs58969991	A	G	0.521	0.065	0.064	1.22E-15	0.013	0.005	0.008	0.017	63.997	TRUE	1.50E-14
FEV1FVC	BAX	cg27565645	rs73942356	G	T	0.336	0.051	0.053	2.91E-11	0.011	0.005	0.015	0.012	44.214	TRUE	1.86E-10
FEV1FVC	BCL10	cg01636910	rs6700749	A	G	0.297	0.049	0.059	1.75E-09	0.005	0.005	0.298	0.010	36.220	TRUE	4.08E-09
FEV1FVC	BCL10	cg02862864	rs10493768	A	G	-0.148	0.024	0.359	7.20E-10	0.003	0.003	0.251	0.010	37.944	TRUE	1.82E-09
FEV1FVC	BCL10	cg02862864	rs10873688	C	T	0.228	0.023	0.491	6.19E-23	0.001	0.002	0.577	0.026	97.171	TRUE	2.66E-22
FEV1FVC	BCL10	cg02862864	rs11161567	T	G	-0.214	0.029	0.195	1.26E-13	0.001	0.003	0.677	0.015	54.887	TRUE	2.59E-13
FEV1FVC	BCL10	cg02862864	rs11161587	G	C	-0.302	0.047	0.066	9.76E-11	-0.003	0.005	0.596	0.011	41.847	TRUE	1.82E-10
FEV1FVC	BCL10	cg02862864	rs114793717	G	C	0.587	0.097	0.019	1.27E-09	0.005	0.009	0.587	0.010	36.846	TRUE	2.24E-09
FEV1FVC	BCL10	cg02862864	rs116578934	T	C	0.591	0.099	0.022	2.09E-09	-0.001	0.008	0.872	0.010	35.865	TRUE	2.94E-09
FEV1FVC	BCL10	cg02862864	rs145752015	T	C	1.012	0.077	0.026	2.63E-39	0.001	0.008	0.870	0.044	171.965	TRUE	2.80E-38
FEV1FVC	BCL10	cg02862864	rs233117	A	G	-0.282	0.050	0.056	1.20E-08	0.001	0.005	0.774	0.009	32.474	TRUE	1.74E-08
FEV1FVC	BCL10	cg02862864	rs3816578	G	C	-0.272	0.046	0.065	4.88E-09	0.002	0.005	0.695	0.009	34.220	TRUE	7.61E-09
FEV1FVC	BCL10	cg02862864	rs4488069	G	A	-0.279	0.045	0.072	3.97E-10	0.000	0.005	0.938	0.010	39.106	TRUE	5.47E-10

FEV1FVC	BCL10	cg02862864	rs4949928	C	T	0.803	0.022	0.318	1.32E-298	-0.005	0.003	0.036	0.269	1363.380	TRUE	2.37E-262
FEV1FVC	BCL10	cg02862864	rs506733	C	T	-0.193	0.024	0.350	1.51E-15	-0.002	0.003	0.360	0.017	63.590	TRUE	5.03E-15
FEV1FVC	BCL10	cg02862864	rs527762	C	A	0.314	0.026	0.294	1.79E-34	-0.001	0.003	0.638	0.039	149.855	TRUE	1.74E-33
FEV1FVC	BCL10	cg02862864	rs679961	G	A	0.213	0.033	0.302	1.86E-10	0.004	0.003	0.145	0.011	40.584	TRUE	5.99E-10
FEV1FVC	BCL10	cg02862864	rs72722664	A	G	0.449	0.048	0.060	1.28E-20	-0.008	0.005	0.106	0.023	86.631	TRUE	1.16E-19
FEV1FVC	BCL10	cg02862864	rs74484274	T	C	0.595	0.094	0.015	2.11E-10	-0.004	0.010	0.682	0.011	40.340	TRUE	3.60E-10
FEV1FVC	BCL10	cg02862864	rs77859288	A	T	0.409	0.053	0.055	1.11E-14	-0.008	0.005	0.143	0.016	59.664	TRUE	5.22E-14
FEV1FVC	BCL10	cg02862864	rs79095356	T	C	0.613	0.046	0.065	4.37E-41	-0.002	0.005	0.718	0.046	180.109	TRUE	7.04E-40
FEV1FVC	BCL10	cg02862864	rs79558638	A	C	0.317	0.048	0.058	3.51E-11	-0.006	0.005	0.243	0.012	43.848	TRUE	1.00E-10
FEV1FVC	BCL10	cg02862864	rs817488	C	T	0.243	0.024	0.443	6.44E-25	-0.002	0.002	0.416	0.028	106.211	TRUE	4.11E-24
FEV1FVC	BCL10	cg06913958	rs11161584	G	A	0.191	0.028	0.222	5.59E-12	0.006	0.003	0.050	0.013	47.443	TRUE	2.81E-11
FEV1FVC	BCL10	cg06913958	rs11585614	C	T	-0.150	0.028	0.257	4.92E-08	-0.001	0.003	0.631	0.008	29.733	TRUE	7.71E-08
FEV1FVC	BCL10	cg12432846	rs10082244	C	T	0.190	0.023	0.474	4.18E-16	0.000	0.002	0.970	0.018	66.114	TRUE	7.34E-16
FEV1FVC	BCL10	cg12432846	rs10873694	T	G	0.316	0.025	0.330	6.85E-38	-0.002	0.003	0.507	0.043	165.485	TRUE	1.20E-36
FEV1FVC	BCL10	cg12432846	rs11161574	T	C	-0.914	0.024	0.214	<1E-200	0.005	0.003	0.083	0.283	1461.932	TRUE	7.70E-280
FEV1FVC	BCL10	cg12432846	rs11555520	A	G	0.177	0.027	0.233	9.52E-11	-0.005	0.003	0.083	0.011	41.895	TRUE	3.79E-10
FEV1FVC	BCL10	cg12432846	rs115853590	T	C	-0.566	0.099	0.025	1.01E-08	0.000	0.007	0.979	0.009	32.798	TRUE	1.28E-08
FEV1FVC	BCL10	cg12432846	rs12028498	C	G	0.371	0.024	0.360	7.02E-52	-0.001	0.003	0.842	0.058	229.550	TRUE	2.91E-50
FEV1FVC	BCL10	cg12432846	rs12717764	C	G	0.302	0.025	0.322	1.07E-33	0.000	0.003	0.957	0.038	146.308	TRUE	5.97E-33
FEV1FVC	BCL10	cg12432846	rs142267292	G	A	-0.925	0.154	0.014	1.71E-09	0.006	0.011	0.595	0.010	36.258	TRUE	2.98E-09
FEV1FVC	BCL10	cg12432846	rs144045625	G	A	0.594	0.104	0.016	1.27E-08	0.011	0.011	0.314	0.009	32.356	TRUE	2.75E-08
FEV1FVC	BCL10	cg12432846	rs144820757	T	C	-0.853	0.099	0.016	7.40E-18	-0.014	0.011	0.188	0.020	74.067	TRUE	4.06E-17
FEV1FVC	BCL10	cg12432846	rs1523998	T	C	0.373	0.060	0.039	4.23E-10	0.007	0.006	0.245	0.010	38.981	TRUE	1.11E-09
FEV1FVC	BCL10	cg12432846	rs17124345	T	C	0.388	0.031	0.171	8.06E-36	0.002	0.003	0.593	0.040	156.012	TRUE	9.65E-35
FEV1FVC	BCL10	cg12432846	rs4907134	A	G	-0.166	0.024	0.394	2.65E-12	0.002	0.002	0.428	0.013	48.903	TRUE	6.46E-12
FEV1FVC	BCL10	cg12432846	rs511491	A	G	-0.342	0.051	0.104	3.29E-11	0.004	0.004	0.386	0.012	43.974	TRUE	7.88E-11
FEV1FVC	BCL10	cg12432846	rs72718767	G	A	-0.448	0.071	0.031	2.20E-10	0.006	0.006	0.302	0.011	40.262	TRUE	5.47E-10
FEV1FVC	BCL10	cg12432846	rs72724639	G	C	-0.724	0.079	0.022	3.17E-20	-0.003	0.008	0.687	0.022	84.836	TRUE	9.55E-20
FEV1FVC	BCL10	cg12432846	rs79169005	C	T	-0.589	0.067	0.028	8.37E-19	0.008	0.007	0.234	0.021	78.369	TRUE	4.45E-18
FEV1FVC	BCL10	cg12432846	rs821395	G	A	-0.149	0.026	0.278	1.14E-08	0.002	0.003	0.496	0.009	32.572	TRUE	2.05E-08
FEV1FVC	BCL10	cg16140784	rs61246397	A	G	0.524	0.077	0.027	1.16E-11	0.001	0.008	0.870	0.012	46.015	TRUE	1.80E-11
FEV1FVC	BCL10	cg16377367	rs12757160	G	A	-0.161	0.029	0.190	4.13E-08	-0.002	0.003	0.574	0.008	30.071	TRUE	6.88E-08
FEV1FVC	BCL10	cg16377367	rs1523993	T	C	-0.172	0.026	0.272	6.40E-11	-0.003	0.003	0.359	0.011	42.673	TRUE	1.55E-10
FEV1FVC	BCL10	cg16377367	rs2054238	T	C	0.333	0.050	0.052	3.06E-11	0.001	0.005	0.870	0.012	44.114	TRUE	4.64E-11
FEV1FVC	BCL10	cg16377367	rs2735587	T	C	0.419	0.025	0.291	5.06E-63	0.005	0.003	0.045	0.071	280.633	TRUE	1.42E-59
FEV1FVC	BCL10	cg16377367	rs7546346	T	C	-0.175	0.030	0.183	6.31E-09	-0.006	0.003	0.057	0.009	33.718	TRUE	2.29E-08
FEV1FVC	BCL10	cg17322118	rs10782545	T	C	-0.356	0.029	0.195	3.25E-34	0.001	0.003	0.655	0.039	148.672	TRUE	3.11E-33
FEV1FVC	BCL10	cg17322118	rs11161547	C	T	-0.344	0.038	0.105	4.01E-19	0.000	0.004	0.929	0.021	79.821	TRUE	8.67E-19
FEV1FVC	BCL10	cg17322118	rs116144222	G	A	0.536	0.080	0.041	1.82E-11	0.002	0.005	0.719	0.012	45.127	TRUE	3.19E-11
FEV1FVC	BCL10	cg17322118	rs12022248	A	T	0.303	0.028	0.224	6.70E-28	0.005	0.003	0.087	0.031	119.820	TRUE	1.32E-26
FEV1FVC	BCL10	cg17322118	rs12402639	C	G	0.202	0.028	0.209	1.24E-12	0.003	0.003	0.306	0.013	50.387	TRUE	3.65E-12
FEV1FVC	BCL10	cg17322118	rs12757160	G	A	-0.316	0.029	0.190	3.69E-27	-0.002	0.003	0.574	0.031	116.440	TRUE	2.21E-26

FEV1FVC	BCL10	cg17322118	rs144820757	T	C	0.947	0.099	0.016	1.05E-21	-0.014	0.011	0.188	0.024	91.577	TRUE	8.02E-21
FEV1FVC	BCL10	cg17322118	rs1542427	T	C	0.163	0.029	0.191	3.10E-08	0.002	0.003	0.522	0.008	30.629	TRUE	5.36E-08
FEV1FVC	BCL10	cg17322118	rs17122040	C	G	0.700	0.051	0.050	4.44E-43	0.002	0.005	0.672	0.049	189.231	TRUE	9.42E-42
FEV1FVC	BCL10	cg17322118	rs17125439	A	C	0.333	0.030	0.193	4.13E-29	0.001	0.003	0.737	0.033	125.345	TRUE	2.19E-28
FEV1FVC	BCL10	cg17322118	rs1764293	T	C	0.195	0.032	0.169	6.16E-10	0.001	0.003	0.760	0.010	38.251	TRUE	9.71E-10
FEV1FVC	BCL10	cg17322118	rs2735589	T	A	1.056	0.019	0.289	<1E-200	0.005	0.003	0.065	0.462	3180.726	TRUE	<1E-200
FEV1FVC	BCL10	cg17322118	rs3753793	C	A	0.174	0.027	0.258	7.60E-11	0.004	0.003	0.156	0.011	42.334	TRUE	2.53E-10
FEV1FVC	BCL10	cg17322118	rs509112	G	T	0.406	0.041	0.079	7.78E-23	0.008	0.004	0.049	0.025	96.720	TRUE	1.21E-21
FEV1FVC	BCL10	cg17322118	rs55866846	A	C	-0.177	0.026	0.283	2.25E-11	-0.003	0.003	0.257	0.012	44.712	TRUE	6.49E-11
FEV1FVC	BCL10	cg17322118	rs55970472	G	A	-0.402	0.030	0.182	1.21E-39	-0.004	0.003	0.247	0.045	173.504	TRUE	4.60E-38
FEV1FVC	BCL10	cg17322118	rs61783046	A	G	-0.391	0.026	0.278	4.35E-51	-0.002	0.003	0.419	0.058	225.920	TRUE	3.93E-49
FEV1FVC	BCL10	cg17322118	rs72718767	G	A	0.453	0.071	0.031	1.42E-10	0.006	0.006	0.302	0.011	41.110	TRUE	3.59E-10
FEV1FVC	BCL10	cg17322118	rs72722606	G	C	0.544	0.078	0.041	2.89E-12	0.014	0.006	0.021	0.013	48.733	TRUE	1.95E-11
FEV1FVC	BCL10	cg17322118	rs72722664	A	G	-0.359	0.049	0.060	2.67E-13	-0.008	0.005	0.106	0.014	53.410	TRUE	1.23E-12
FEV1FVC	BCL10	cg17322118	rs75758188	G	T	0.510	0.089	0.015	8.94E-09	-0.006	0.008	0.442	0.009	33.042	TRUE	1.72E-08
FEV1FVC	BCL10	cg17322118	rs817388	A	T	-0.234	0.036	0.118	9.03E-11	0.000	0.004	0.930	0.011	41.998	TRUE	1.28E-10
FEV1FVC	BCL10	cg17322118	rs817481	T	G	0.245	0.033	0.146	9.14E-14	0.001	0.003	0.809	0.015	55.515	TRUE	1.66E-13
FEV1FVC	BCL10	cg23665568	rs11161584	G	A	0.265	0.028	0.222	1.26E-21	0.006	0.003	0.050	0.024	91.213	TRUE	1.66E-20
FEV1FVC	BCL10	cg23665568	rs12562182	C	G	-0.394	0.042	0.085	1.65E-20	0.001	0.004	0.869	0.023	86.128	TRUE	4.09E-20
FEV1FVC	BCL10	cg23665568	rs669173	C	T	-0.160	0.024	0.405	4.25E-11	0.000	0.002	0.987	0.012	43.474	TRUE	5.77E-11
FEV1FVC	BCL2	cg08223235	rs3810027	G	C	-0.404	0.024	0.347	1.60E-63	-0.002	0.003	0.488	0.071	282.926	TRUE	6.47E-61
FEV1FVC	BCL2	cg08223235	rs9320014	C	T	0.269	0.044	0.079	7.79E-10	0.001	0.004	0.866	0.010	37.790	TRUE	1.11E-09
FEV1FVC	BCL2	cg12090740	rs2551399	C	T	0.327	0.037	0.105	1.19E-18	0.004	0.004	0.334	0.021	77.679	TRUE	5.10E-18
FEV1FVC	BCL2	cg12090740	rs62098661	A	G	-0.275	0.024	0.416	3.16E-31	0.004	0.002	0.084	0.035	135.011	TRUE	9.55E-30
FEV1FVC	BCL2	cg12459502	rs6567331	G	A	0.174	0.026	0.275	2.40E-11	0.000	0.003	0.953	0.012	44.590	TRUE	3.46E-11
FEV1FVC	BCL2	cg16445842	rs2279115	G	T	-0.161	0.023	0.480	3.23E-12	-0.005	0.002	0.035	0.013	48.516	TRUE	1.84E-11
FEV1FVC	BCL2	cg21793948	rs2551402	A	C	0.169	0.023	0.482	3.49E-13	-0.004	0.002	0.074	0.014	52.884	TRUE	1.80E-12
FEV1FVC	BCL2	cg23707289	rs1801018	C	T	-0.400	0.023	0.423	7.53E-66	0.004	0.002	0.132	0.074	293.604	TRUE	1.49E-62
FEV1FVC	BCL2	cg23707289	rs746987	G	A	0.205	0.032	0.158	1.64E-10	0.001	0.003	0.881	0.011	40.836	TRUE	2.39E-10
FEV1FVC	BCL2	cg23756272	rs3810027	G	C	0.193	0.024	0.347	2.01E-15	-0.002	0.003	0.488	0.017	63.021	TRUE	5.72E-15
FEV1FVC	BCL2	cg25059899	rs9967405	G	A	0.962	0.043	0.092	4.88E-109	-0.006	0.005	0.199	0.117	491.871	TRUE	1.99E-102
FEV1FVC	BCL2	cg26277730	rs698708	C	G	0.174	0.027	0.248	8.03E-11	-0.003	0.003	0.229	0.011	42.228	TRUE	2.26E-10
FEV1FVC	BIK	cg01341487	rs2076161	C	G	0.269	0.032	0.156	9.46E-17	0.007	0.003	0.040	0.018	69.042	TRUE	8.27E-16
FEV1FVC	BIK	cg01341487	rs3819674	G	A	0.292	0.044	0.073	4.72E-11	-0.002	0.005	0.717	0.012	43.268	TRUE	8.03E-11
FEV1FVC	BIK	cg01341487	rs5751435	T	C	-0.725	0.034	0.133	3.81E-100	0.013	0.004	3.66E-04	0.109	451.027	TRUE	2.20E-92
FEV1FVC	BIK	cg01341487	rs5751444	A	G	-0.261	0.027	0.249	1.07E-21	0.009	0.003	5.87E-04	0.024	91.539	TRUE	5.67E-20
FEV1FVC	BIK	cg01341487	rs5759167	G	T	0.290	0.023	0.490	4.74E-35	0.003	0.002	0.226	0.040	152.495	TRUE	1.16E-33
FEV1FVC	BIK	cg01341487	rs62231650	T	C	-0.657	0.116	0.026	1.62E-08	0.014	0.009	0.132	0.009	31.882	TRUE	4.55E-08
FEV1FVC	BIK	cg01341487	rs9620115	G	A	0.293	0.033	0.153	5.07E-19	0.005	0.003	0.107	0.021	79.357	TRUE	3.98E-18
FEV1FVC	BIK	cg02601893	rs2076079	A	G	-0.201	0.025	0.327	9.71E-16	0.009	0.003	8.44E-04	0.017	64.455	TRUE	2.14E-14
FEV1FVC	BIK	cg04042468	rs12168319	T	C	-0.580	0.034	0.136	1.44E-64	0.013	0.004	2.41E-04	0.072	287.724	TRUE	7.45E-60
FEV1FVC	BIK	cg04042468	rs3819674	G	A	0.306	0.044	0.073	5.02E-12	-0.002	0.005	0.717	0.013	47.654	TRUE	8.98E-12

FEV1FVC	BIK	cg04042468	rs5759167	G	T	0.306	0.023	0.490	6.16E-39	0.003	0.002	0.226	0.044	170.272	TRUE	2.29E-37
FEV1FVC	BIK	cg04042468	rs5996265	A	G	0.416	0.049	0.055	1.84E-17	-0.003	0.005	0.622	0.019	72.265	TRUE	5.01E-17
FEV1FVC	BIK	cg04042468	rs62232063	C	T	0.199	0.024	0.412	5.33E-17	0.005	0.002	0.034	0.019	70.173	TRUE	5.15E-16
FEV1FVC	BIK	cg04042468	rs62232065	A	C	-0.171	0.029	0.222	2.40E-09	0.011	0.003	7.19E-05	0.010	35.596	TRUE	2.82E-08
FEV1FVC	BIK	cg04042468	rs9620115	G	A	0.247	0.033	0.153	6.50E-14	0.005	0.003	0.107	0.015	56.184	TRUE	3.20E-13
FEV1FVC	BIK	cg04304450	rs2245947	G	T	0.149	0.025	0.330	3.21E-09	0.009	0.003	8.65E-04	0.009	35.031	TRUE	2.76E-08
FEV1FVC	BIK	cg05251389	rs11705016	A	G	0.194	0.031	0.178	5.74E-10	0.001	0.003	0.665	0.010	38.386	TRUE	9.72E-10
FEV1FVC	BIK	cg07972488	rs4988364	A	C	-0.197	0.035	0.135	1.55E-08	0.013	0.004	4.66E-04	0.009	31.971	TRUE	1.28E-07
FEV1FVC	BIK	cg07972488	rs5759168	G	A	0.247	0.033	0.160	4.17E-14	0.005	0.003	0.126	0.015	57.057	TRUE	1.97E-13
FEV1FVC	BIK	cg08954856	rs12168319	T	C	-0.264	0.035	0.136	3.18E-14	0.013	0.004	2.41E-04	0.015	57.591	TRUE	6.97E-13
FEV1FVC	BIK	cg08954856	rs5759167	G	T	0.161	0.024	0.490	9.54E-12	0.003	0.002	0.226	0.012	46.395	TRUE	2.94E-11
FEV1FVC	BIK	cg09263116	rs135016	C	T	0.315	0.052	0.054	1.78E-09	0.009	0.005	0.079	0.010	36.179	TRUE	6.29E-09
FEV1FVC	BIK	cg09263116	rs2076161	C	G	0.294	0.032	0.156	1.10E-19	0.007	0.003	0.040	0.022	82.372	TRUE	1.30E-18
FEV1FVC	BIK	cg09263116	rs3819674	G	A	0.243	0.044	0.073	4.46E-08	-0.002	0.005	0.717	0.008	29.921	TRUE	6.56E-08
FEV1FVC	BIK	cg09263116	rs5751435	T	C	-0.612	0.034	0.133	1.70E-70	0.013	0.004	3.66E-04	0.078	314.918	TRUE	2.18E-65
FEV1FVC	BIK	cg09263116	rs5751444	A	G	-0.242	0.027	0.249	8.30E-19	0.009	0.003	5.87E-04	0.021	78.384	TRUE	2.97E-17
FEV1FVC	BIK	cg09263116	rs5759167	G	T	0.294	0.023	0.490	5.92E-36	0.003	0.002	0.226	0.041	156.626	TRUE	1.60E-34
FEV1FVC	BIK	cg09263116	rs9620115	G	A	0.246	0.033	0.153	8.32E-14	0.005	0.003	0.107	0.015	55.698	TRUE	4.05E-13
FEV1FVC	BIK	cg10513709	rs12168319	T	C	-0.354	0.034	0.136	1.06E-24	0.013	0.004	2.41E-04	0.028	105.230	TRUE	1.04E-22
FEV1FVC	BIK	cg10513709	rs2413742	A	G	0.181	0.031	0.172	5.14E-09	0.003	0.003	0.353	0.009	34.119	TRUE	1.10E-08
FEV1FVC	BIK	cg10513709	rs5759167	G	T	0.179	0.024	0.490	3.08E-14	0.003	0.002	0.226	0.015	57.649	TRUE	1.16E-13
FEV1FVC	BIK	cg13698860	rs2066910	C	T	-0.253	0.025	0.330	6.86E-24	0.009	0.003	6.59E-04	0.027	101.527	TRUE	4.73E-22
FEV1FVC	BIK	cg13698860	rs9333351	C	A	-0.382	0.069	0.031	3.68E-08	-0.003	0.008	0.699	0.008	30.296	TRUE	5.52E-08
FEV1FVC	BIK	cg13934236	rs872841	C	G	0.149	0.025	0.317	4.60E-09	-0.002	0.003	0.336	0.009	34.335	TRUE	9.98E-09
FEV1FVC	BIK	cg13934236	rs909666	C	T	-0.270	0.033	0.151	2.10E-16	0.012	0.003	2.83E-04	0.018	67.467	TRUE	5.99E-15
FEV1FVC	BIK	cg14971586	rs13055357	C	A	-0.219	0.026	0.281	6.30E-17	0.003	0.003	0.205	0.019	69.844	TRUE	3.05E-16
FEV1FVC	BIK	cg14971586	rs138910	T	C	0.279	0.026	0.278	2.54E-26	-0.001	0.003	0.638	0.030	112.619	TRUE	1.25E-25
FEV1FVC	BIK	cg14971586	rs139143960	C	T	0.364	0.054	0.050	2.20E-11	0.009	0.005	0.079	0.012	44.757	TRUE	9.34E-11
FEV1FVC	BIK	cg14971586	rs2076161	C	G	0.295	0.032	0.156	8.53E-20	0.007	0.003	0.040	0.022	82.879	TRUE	1.02E-18
FEV1FVC	BIK	cg14971586	rs5759173	T	C	0.648	0.025	0.270	2.90E-147	0.001	0.003	0.680	0.153	667.509	TRUE	1.79E-137
FEV1FVC	BIK	cg14971586	rs5759198	A	G	-0.187	0.033	0.149	1.10E-08	0.007	0.003	0.031	0.009	32.639	TRUE	4.38E-08
FEV1FVC	BIK	cg14971586	rs7291800	C	A	0.263	0.047	0.063	2.50E-08	0.007	0.005	0.142	0.008	31.045	TRUE	6.73E-08
FEV1FVC	BIK	cg14971586	rs760771	G	T	0.333	0.033	0.143	1.37E-24	-0.002	0.003	0.461	0.028	104.719	TRUE	7.67E-24
FEV1FVC	BIK	cg14971586	rs872842	T	A	-0.406	0.034	0.135	2.64E-32	0.011	0.004	0.002	0.036	139.937	TRUE	4.17E-30
FEV1FVC	BIK	cg14971586	rs9608010	A	G	0.140	0.024	0.377	5.34E-09	0.003	0.003	0.177	0.009	34.045	TRUE	1.41E-08
FEV1FVC	BIK	cg17179881	rs1883264	C	G	-0.184	0.033	0.153	2.40E-08	0.005	0.003	0.112	0.008	31.126	TRUE	7.07E-08
FEV1FVC	BIK	cg17967224	rs4988372	T	C	-0.210	0.035	0.132	2.36E-09	0.013	0.004	3.65E-04	0.010	35.634	TRUE	2.29E-08
FEV1FVC	BIK	cg17967224	rs5759168	G	A	0.291	0.033	0.160	6.52E-19	0.005	0.003	0.126	0.021	78.863	TRUE	4.74E-18
FEV1FVC	BIK	cg20550677	rs4988364	A	C	-0.256	0.035	0.135	1.94E-13	0.013	0.004	4.66E-04	0.014	54.039	TRUE	3.38E-12
FEV1FVC	BIK	cg20550677	rs5759168	G	A	0.220	0.033	0.160	2.02E-11	0.005	0.003	0.126	0.012	44.931	TRUE	7.51E-11
FEV1FVC	BIK	cg26453588	rs12168319	T	C	-0.694	0.034	0.136	2.95E-93	0.013	0.004	2.41E-04	0.102	419.395	TRUE	4.56E-86
FEV1FVC	BIK	cg26453588	rs3819674	G	A	0.263	0.044	0.073	3.06E-09	-0.002	0.005	0.717	0.009	35.124	TRUE	4.76E-09

FEV1FVC	BIK	cg26453588	rs5751444	A	G	-0.239	0.027	0.249	2.50E-18	0.009	0.003	5.87E-04	0.020	76.205	TRUE	8.39E-17
FEV1FVC	BIK	cg26453588	rs5759167	G	T	0.320	0.023	0.490	2.71E-42	0.003	0.002	0.226	0.048	185.638	TRUE	1.47E-40
FEV1FVC	BIK	cg26453588	rs5996265	A	G	0.461	0.049	0.055	3.95E-21	-0.003	0.005	0.622	0.023	88.952	TRUE	1.37E-20
FEV1FVC	BIK	cg26453588	rs9620115	G	A	0.255	0.033	0.153	1.03E-14	0.005	0.003	0.107	0.016	59.804	TRUE	5.45E-14
FEV1FVC	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	-0.011	0.002	2.30E-06	0.027	101.937	TRUE	1.22E-21
FEV1FVC	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	-0.002	0.003	0.431	0.008	29.870	TRUE	8.52E-08
FEV1FVC	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	0.008	0.004	0.058	0.009	33.922	TRUE	2.07E-08
FEV1FVC	BLK	cg13440894	rs1478901	C	G	-0.182	0.029	0.268	4.11E-10	-0.007	0.003	0.010	0.010	39.039	TRUE	2.53E-09
FEV1FVC	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	-0.010	0.002	5.02E-05	0.076	306.232	TRUE	2.87E-63
FEV1FVC	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	-0.001	0.004	0.729	0.048	184.887	TRUE	6.83E-41
FEV1FVC	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	-0.009	0.003	0.007	0.010	36.822	TRUE	7.96E-09
FEV1FVC	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	-0.007	0.003	0.003	0.008	30.918	TRUE	1.58E-07
FEV1FVC	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	-0.005	0.003	0.074	0.012	43.872	TRUE	1.49E-10
FEV1FVC	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	0.001	0.002	0.637	0.013	48.071	TRUE	7.82E-12
FEV1FVC	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	0.002	0.002	0.303	0.017	62.186	TRUE	1.07E-14
FEV1FVC	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	0.006	0.006	0.249	0.010	37.546	TRUE	2.25E-09
FEV1FVC	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	0.014	0.003	7.77E-06	0.013	47.879	TRUE	1.20E-10
FEV1FVC	BLK	cg21175976	rs11250153	C	G	0.285	0.026	0.376	8.85E-28	-0.008	0.003	0.001	0.031	119.269	TRUE	8.14E-26
FEV1FVC	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	-0.006	0.003	0.072	0.013	47.025	TRUE	3.24E-11
FEV1FVC	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	-0.012	0.003	1.44E-05	0.017	62.911	TRUE	8.53E-14
FEV1FVC	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	-0.005	0.003	0.049	0.027	101.312	TRUE	1.31E-22
FEV1FVC	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	0.015	0.003	1.69E-08	0.030	114.133	TRUE	9.64E-24
FEV1FVC	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	0.014	0.003	2.19E-07	0.021	79.694	TRUE	6.82E-17
FEV1FVC	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	-0.008	0.003	0.002	0.013	50.075	TRUE	1.76E-11
FEV1FVC	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	-0.003	0.003	0.346	0.012	45.214	TRUE	4.41E-11
FEV1FVC	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	-0.003	0.003	0.353	0.021	78.194	TRUE	3.91E-18
FEV1FVC	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	-0.010	0.003	0.002	0.016	61.159	TRUE	8.47E-14
FEV1FVC	BLK	cg21175976	rs13264636	G	C	-0.233	0.030	0.204	9.59E-15	0.004	0.003	0.217	0.016	59.946	TRUE	3.84E-14
FEV1FVC	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	0.013	0.004	2.53E-04	0.011	42.259	TRUE	1.03E-09
FEV1FVC	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	0.006	0.003	0.041	0.009	34.087	TRUE	2.06E-08
FEV1FVC	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	-0.008	0.003	0.002	0.141	608.856	TRUE	1.39E-123
FEV1FVC	BLK	cg21175976	rs2572410	T	A	-0.212	0.026	0.386	1.34E-16	0.010	0.003	4.62E-05	0.018	68.349	TRUE	5.43E-15
FEV1FVC	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	0.011	0.002	4.12E-06	0.038	145.697	TRUE	1.42E-30
FEV1FVC	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	0.007	0.004	0.050	0.013	48.152	TRUE	2.05E-11
FEV1FVC	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	0.005	0.003	0.053	0.013	49.026	TRUE	1.33E-11
FEV1FVC	BLK	cg21175976	rs4455790	C	G	-0.226	0.028	0.262	8.96E-16	0.010	0.003	9.94E-05	0.017	64.613	TRUE	2.70E-14
FEV1FVC	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.001	0.004	0.877	0.012	43.981	TRUE	4.97E-11
FEV1FVC	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	0.017	0.003	1.42E-07	0.012	44.584	TRUE	9.13E-10
FEV1FVC	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	-0.009	0.003	3.29E-04	0.032	121.653	TRUE	3.85E-26
FEV1FVC	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	0.008	0.003	0.011	0.010	38.906	TRUE	2.60E-09
FEV1FVC	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.007	0.004	0.054	0.010	37.442	TRUE	3.72E-09
FEV1FVC	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	-0.007	0.003	0.027	0.009	34.590	TRUE	1.79E-08

FEV1FVC	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	-0.013	0.004	0.004	0.014	53.379	TRUE	3.09E-12
FEV1FVC	BLK	cg21175976	rs77613642	G	C	-0.283	0.048	0.072	5.03E-09	0.013	0.005	0.006	0.009	34.160	TRUE	2.99E-08
FEV1FVC	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	0.014	0.003	3.03E-05	0.018	67.107	TRUE	1.12E-14
FEV1FVC	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	0.009	0.003	6.74E-04	0.023	87.887	TRUE	2.89E-19
FEV1FVC	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	-0.007	0.005	0.160	0.009	34.222	TRUE	1.35E-08
FEV1FVC	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	-0.005	0.003	0.106	0.011	42.145	TRUE	3.07E-10
FEV1FVC	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	0.004	0.003	0.248	0.012	46.067	TRUE	3.35E-11
FEV1FVC	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	0.001	0.003	0.605	0.021	80.540	TRUE	8.59E-19
FEV1FVC	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	-0.005	0.003	0.065	0.027	102.289	TRUE	7.58E-23
FEV1FVC	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	0.001	0.002	0.637	0.012	43.795	TRUE	6.59E-11
FEV1FVC	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	0.009	0.003	0.002	0.018	66.563	TRUE	6.43E-15
FEV1FVC	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	-0.011	0.003	1.24E-04	0.020	75.040	TRUE	1.92E-16
FEV1FVC	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	-0.007	0.003	0.019	0.024	90.407	TRUE	3.58E-20
FEV1FVC	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	0.004	0.003	0.088	0.313	1684.549	TRUE	<1E-200
FEV1FVC	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	0.014	0.003	3.63E-06	0.027	101.718	TRUE	1.21E-21
FEV1FVC	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	0.001	0.003	0.698	0.017	65.056	TRUE	1.62E-15
FEV1FVC	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	-0.009	0.004	0.024	0.008	31.632	TRUE	7.74E-08
FEV1FVC	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	-0.006	0.005	0.197	0.009	31.997	TRUE	3.82E-08
FEV1FVC	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	0.010	0.003	0.002	0.013	50.138	TRUE	1.71E-11
FEV1FVC	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	0.004	0.003	0.139	0.014	52.632	TRUE	1.67E-12
FEV1FVC	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	0.002	0.003	0.501	0.014	53.975	TRUE	4.77E-13
FEV1FVC	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	-0.005	0.003	0.121	0.026	98.423	TRUE	3.64E-22
FEV1FVC	BLK	cg21701351	rs28446662	A	T	-0.199	0.031	0.222	2.44E-10	0.000	0.003	0.907	0.011	40.053	TRUE	3.44E-10
FEV1FVC	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	-0.008	0.003	0.007	0.033	127.369	TRUE	1.04E-27
FEV1FVC	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	-0.006	0.003	0.034	0.032	120.724	TRUE	1.39E-26
FEV1FVC	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	0.014	0.003	1.37E-05	0.019	70.592	TRUE	2.41E-15
FEV1FVC	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	-0.007	0.004	0.050	0.012	45.665	TRUE	6.76E-11
FEV1FVC	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	0.011	0.003	0.002	0.014	51.508	TRUE	8.97E-12
FEV1FVC	BLK	cg21701351	rs4455790	C	G	0.290	0.028	0.262	5.83E-25	0.010	0.003	9.94E-05	0.028	106.407	TRUE	6.65E-23
FEV1FVC	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	-0.005	0.002	0.042	0.018	67.488	TRUE	1.77E-15
FEV1FVC	BLK	cg21701351	rs4841381	G	C	0.258	0.029	0.245	8.55E-19	0.015	0.003	1.69E-08	0.021	78.327	TRUE	1.84E-16
FEV1FVC	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.003	0.004	0.520	0.014	52.465	TRUE	1.00E-12
FEV1FVC	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	-0.008	0.003	0.009	0.021	77.669	TRUE	2.09E-17
FEV1FVC	BLK	cg21701351	rs55718444	C	G	-0.388	0.053	0.064	1.96E-13	0.003	0.005	0.507	0.014	54.016	TRUE	4.69E-13
FEV1FVC	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	0.006	0.005	0.241	0.020	76.906	TRUE	8.99E-18
FEV1FVC	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	0.012	0.004	4.17E-04	0.019	70.382	TRUE	1.41E-15
FEV1FVC	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	-0.006	0.004	0.103	0.024	91.221	TRUE	1.24E-20
FEV1FVC	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	-0.009	0.003	0.005	0.012	43.998	TRUE	2.61E-10
FEV1FVC	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	0.002	0.003	0.405	0.017	65.111	TRUE	2.22E-15
FEV1FVC	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	0.003	0.003	0.307	0.042	160.723	TRUE	1.74E-35
FEV1FVC	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	-0.004	0.004	0.374	0.014	52.494	TRUE	1.17E-12
FEV1FVC	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	0.005	0.004	0.170	0.021	79.437	TRUE	3.11E-18

FEV1FVC	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	-0.002	0.004	0.665	0.018	66.131	TRUE	9.85E-16
FEV1FVC	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	0.014	0.003	3.64E-06	0.027	102.454	TRUE	9.45E-22
FEV1FVC	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.007	0.004	0.070	0.011	42.171	TRUE	3.43E-10
FEV1FVC	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	0.009	0.003	0.003	0.032	123.931	TRUE	6.98E-27
FEV1FVC	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	0.011	0.003	4.63E-04	0.012	44.452	TRUE	3.22E-10
FEV1FVC	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	0.000	0.005	0.991	0.009	31.730	TRUE	2.19E-08
FEV1FVC	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	0.011	0.002	6.09E-06	0.044	170.418	TRUE	1.23E-35
FEV1FVC	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	0.000	0.002	0.971	0.012	45.211	TRUE	2.48E-11
FEV1FVC	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	0.017	0.003	1.34E-10	0.039	148.483	TRUE	2.97E-30
FEV1FVC	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	-0.012	0.002	5.97E-07	0.051	200.249	TRUE	1.90E-41
FEV1FVC	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	0.002	0.004	0.620	0.010	38.234	TRUE	1.08E-09
FEV1FVC	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	-0.003	0.004	0.411	0.011	40.412	TRUE	4.43E-10
FEV1FVC	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	-0.007	0.003	0.009	0.013	49.589	TRUE	1.51E-11
FEV1FVC	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	0.009	0.003	0.004	0.012	43.132	TRUE	4.00E-10
FEV1FVC	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	-0.003	0.005	0.476	0.008	30.237	TRUE	6.79E-08
FEV1FVC	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	-0.007	0.003	0.011	0.010	36.761	TRUE	7.24E-09
FEV1FVC	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	-0.008	0.004	0.033	0.008	31.210	TRUE	8.93E-08
FEV1FVC	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	0.004	0.003	0.157	0.011	40.072	TRUE	7.51E-10
FEV1FVC	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	0.007	0.003	0.021	0.009	33.408	TRUE	3.38E-08
FEV1FVC	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	0.010	0.004	0.004	0.009	33.283	TRUE	4.85E-08
FEV1FVC	BLK	cg24861686	rs77094521	T	A	-0.243	0.044	0.096	3.27E-08	-0.009	0.004	0.048	0.008	30.523	TRUE	1.15E-07
FEV1FVC	BLK	cg24861686	rs7815495	A	T	0.199	0.032	0.195	2.93E-10	0.013	0.003	8.98E-06	0.011	39.699	TRUE	5.36E-09
FEV1FVC	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	0.004	0.002	0.139	0.011	41.209	TRUE	4.56E-10
FEV1FVC	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	-0.010	0.002	5.59E-05	0.084	338.185	TRUE	1.13E-69
FEV1FVC	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	0.002	0.002	0.326	0.010	35.609	TRUE	5.29E-09
FEV1FVC	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	0.005	0.003	0.068	0.012	43.482	TRUE	1.80E-10
FEV1FVC	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	0.010	0.003	0.002	0.013	47.868	TRUE	5.08E-11
FEV1FVC	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	0.018	0.003	5.28E-12	0.010	36.675	TRUE	8.56E-08
FEV1FVC	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	-0.005	0.003	0.105	0.011	40.391	TRUE	7.24E-10
FEV1FVC	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	-0.002	0.004	0.665	0.025	93.325	TRUE	1.52E-21
FEV1FVC	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	0.007	0.003	0.007	0.016	59.780	TRUE	1.20E-13
FEV1FVC	BLOC1S2	cg13817732	rs11190387	A	G	0.223	0.040	0.088	3.34E-08	0.009	0.004	0.038	0.008	30.482	TRUE	1.23E-07
FEV1FVC	BLOC1S2	cg13817732	rs6584356	A	C	0.597	0.050	0.060	4.71E-33	0.015	0.005	0.002	0.037	143.363	TRUE	7.19E-31
FEV1FVC	BMF	cg02313495	rs112777220	T	A	-0.437	0.050	0.058	1.09E-18	-0.003	0.005	0.485	0.021	77.848	TRUE	3.85E-18
FEV1FVC	BMF	cg02313495	rs34079741	G	A	0.195	0.023	0.453	1.01E-16	-0.010	0.002	6.33E-05	0.018	68.914	TRUE	3.90E-15
FEV1FVC	BMF	cg02313495	rs34231574	T	C	-1.079	0.015	0.477	<1E-200	0.010	0.002	5.80E-05	0.570	4905.019	TRUE	<1E-200
FEV1FVC	BMF	cg02313495	rs489508	A	G	-0.153	0.024	0.414	1.88E-10	-0.003	0.002	0.212	0.011	40.562	TRUE	5.38E-10
FEV1FVC	BMF	cg02313495	rs648289	C	T	0.182	0.024	0.416	3.67E-14	0.002	0.002	0.482	0.015	57.306	TRUE	9.54E-14
FEV1FVC	BMF	cg02313495	rs6492936	C	G	-0.417	0.023	0.420	1.98E-70	0.005	0.002	0.066	0.078	314.611	TRUE	1.50E-66
FEV1FVC	BMF	cg02313495	rs8042947	G	A	-0.175	0.026	0.259	3.87E-11	0.008	0.003	0.003	0.012	43.652	TRUE	3.40E-10
FEV1FVC	BMF	cg07712904	rs34245505	G	C	0.184	0.029	0.204	4.17E-10	0.022	0.003	6.82E-13	0.010	39.008	TRUE	3.59E-08
FEV1FVC	BMF	cg07712904	rs3784394	C	T	-0.145	0.023	0.500	3.34E-10	-0.006	0.002	0.012	0.011	39.441	TRUE	2.07E-09

FEV1FVC	BMF	cg07712904	rs569539	A	G	-0.501	0.025	0.285	4.02E-87	-0.009	0.003	9.05E-04	0.096	391.231	TRUE	8.25E-81
FEV1FVC	BMF	cg07712904	rs62018159	A	G	0.261	0.029	0.201	3.00E-19	-0.005	0.003	0.073	0.021	80.397	TRUE	2.85E-18
FEV1FVC	BMF	cg07887985	rs539846	T	G	0.150	0.024	0.483	2.23E-10	-0.010	0.002	4.12E-05	0.011	40.232	TRUE	3.41E-09
FEV1FVC	BMF	cg09587957	rs11631335	A	G	-0.146	0.026	0.299	1.31E-08	-0.008	0.003	0.004	0.009	32.297	TRUE	7.79E-08
FEV1FVC	BMF	cg09587957	rs4924423	T	G	-0.218	0.028	0.239	5.87E-15	-0.001	0.003	0.760	0.016	60.910	TRUE	1.20E-14
FEV1FVC	BMF	cg09587957	rs8023845	T	G	0.427	0.029	0.198	2.26E-49	-0.005	0.003	0.074	0.056	218.058	TRUE	6.22E-47
FEV1FVC	BMF	cg09749364	rs11637681	G	A	0.177	0.026	0.284	1.11E-11	0.017	0.003	8.98E-11	0.012	46.091	TRUE	8.99E-10
FEV1FVC	BMF	cg17809595	rs569539	A	G	0.155	0.026	0.285	1.32E-09	-0.009	0.003	9.05E-04	0.010	36.757	TRUE	1.15E-08
FEV1FVC	BMF	cg18494902	rs112777220	T	A	-0.295	0.050	0.058	2.90E-09	-0.003	0.005	0.485	0.009	35.233	TRUE	5.52E-09
FEV1FVC	BMF	cg18494902	rs12441486	A	G	0.391	0.065	0.038	1.72E-09	0.002	0.006	0.758	0.010	36.247	TRUE	2.63E-09
FEV1FVC	BMF	cg18494902	rs12909145	C	T	0.141	0.024	0.448	2.27E-09	-0.010	0.002	1.58E-05	0.010	35.706	TRUE	3.26E-08
FEV1FVC	BMF	cg23895262	rs56143280	A	G	0.148	0.026	0.292	6.25E-09	0.001	0.003	0.774	0.009	33.737	TRUE	9.32E-09
FEV1FVC	BMF	cg23895262	rs648289	C	T	0.261	0.024	0.416	7.48E-28	0.002	0.002	0.482	0.031	119.603	TRUE	5.37E-27
FEV1FVC	BMF	cg26662201	rs34231574	T	C	-0.149	0.024	0.477	3.38E-10	0.010	0.002	5.80E-05	0.011	39.419	TRUE	4.77E-09
FEV1FVC	BMP4	cg01873886	rs112534797	T	G	0.471	0.059	0.043	1.02E-15	-0.001	0.006	0.833	0.017	64.358	TRUE	2.01E-15
FEV1FVC	BMP4	cg01873886	rs8014071	G	A	0.303	0.024	0.396	2.31E-36	-0.008	0.003	5.86E-04	0.041	158.495	TRUE	8.21E-34
FEV1FVC	BMP4	cg05923197	rs117687204	A	G	-0.179	0.030	0.192	1.51E-09	0.007	0.003	0.024	0.010	36.508	TRUE	7.14E-09
FEV1FVC	BMP4	cg05923197	rs12892676	T	C	-0.144	0.025	0.348	1.03E-08	-0.002	0.003	0.530	0.009	32.758	TRUE	1.84E-08
FEV1FVC	BMP4	cg05923197	rs7154598	T	C	-0.295	0.024	0.457	1.21E-35	0.017	0.002	3.73E-12	0.040	155.206	TRUE	2.23E-31
FEV1FVC	BMP4	cg05923197	rs74860610	G	A	-0.398	0.060	0.039	2.50E-11	-0.018	0.006	0.002	0.012	44.507	TRUE	2.48E-10
FEV1FVC	BMP4	cg05928290	rs74860610	G	A	-0.370	0.060	0.039	5.60E-10	-0.018	0.006	0.002	0.010	38.435	TRUE	4.60E-09
FEV1FVC	BMP4	cg05928290	rs75175834	C	T	-0.163	0.030	0.193	3.78E-08	0.007	0.003	0.022	0.008	30.242	TRUE	1.55E-07
FEV1FVC	BMP4	cg08046044	rs112534797	T	G	0.376	0.059	0.043	1.77E-10	-0.001	0.006	0.833	0.011	40.686	TRUE	2.68E-10
FEV1FVC	BMP4	cg08046044	rs8014071	G	A	0.214	0.024	0.396	1.22E-18	-0.008	0.003	5.86E-04	0.021	77.621	TRUE	3.87E-17
FEV1FVC	BMP4	cg09367901	rs942316	A	C	-0.525	0.096	0.034	3.84E-08	-0.006	0.007	0.395	0.008	30.212	TRUE	7.38E-08
FEV1FVC	BMP4	cg20297199	rs12895262	A	T	0.231	0.042	0.081	4.86E-08	-0.014	0.004	0.002	0.008	29.757	TRUE	3.06E-07
FEV1FVC	BMP4	cg24526899	rs7154598	T	C	-0.161	0.024	0.457	1.72E-11	0.017	0.002	3.73E-12	0.012	45.247	TRUE	1.75E-09
FEV1FVC	BMP4	cg24526899	rs75175834	C	T	-0.166	0.030	0.193	1.84E-08	0.007	0.003	0.022	0.008	31.636	TRUE	7.83E-08
FEV1FVC	BNIP3	cg02038273	rs143252467	A	G	0.203	0.032	0.165	1.97E-10	0.000	0.003	0.988	0.011	40.474	TRUE	2.61E-10
FEV1FVC	BNIP3	cg02365648	rs10870232	G	T	-0.259	0.027	0.252	4.88E-22	-0.004	0.003	0.170	0.025	93.086	TRUE	3.99E-21
FEV1FVC	BNIP3	cg02365648	rs10870323	A	G	-0.156	0.026	0.283	2.09E-09	-0.005	0.003	0.068	0.010	35.868	TRUE	7.58E-09
FEV1FVC	BNIP3	cg02365648	rs11146322	T	C	-0.169	0.026	0.308	3.87E-11	-0.009	0.003	9.78E-04	0.012	43.655	TRUE	4.10E-10
FEV1FVC	BNIP3	cg02365648	rs117262064	T	G	-1.522	0.064	0.034	2.98E-123	-0.021	0.007	0.002	0.131	557.171	TRUE	1.39E-113
FEV1FVC	BNIP3	cg02365648	rs12250241	C	T	-0.322	0.045	0.071	1.45E-12	-0.004	0.005	0.373	0.013	50.086	TRUE	3.85E-12
FEV1FVC	BNIP3	cg02365648	rs145948725	A	C	-0.745	0.064	0.032	1.33E-31	-0.012	0.007	0.062	0.036	136.732	TRUE	4.81E-30
FEV1FVC	BNIP3	cg02365648	rs2247705	G	A	-0.187	0.031	0.168	1.55E-09	-0.004	0.003	0.232	0.010	36.447	TRUE	3.95E-09
FEV1FVC	BNIP3	cg02365648	rs2814189	A	G	-0.199	0.028	0.238	4.20E-13	0.000	0.003	0.910	0.014	52.517	TRUE	6.68E-13
FEV1FVC	BNIP3	cg02365648	rs67860580	A	G	-0.423	0.037	0.113	6.69E-30	-0.009	0.004	0.012	0.034	128.956	TRUE	3.84E-28
FEV1FVC	BNIP3	cg02365648	rs72853197	T	G	-0.163	0.025	0.326	8.48E-11	-0.001	0.003	0.741	0.011	42.120	TRUE	1.38E-10
FEV1FVC	BNIP3	cg02365648	rs77963347	T	C	-0.755	0.059	0.041	4.39E-38	-0.015	0.006	0.017	0.043	166.369	TRUE	6.20E-36
FEV1FVC	BNIP3	cg02365648	rs79575145	A	G	-0.337	0.044	0.077	9.88E-15	-0.007	0.004	0.119	0.016	59.888	TRUE	4.93E-14
FEV1FVC	BNIP3	cg02388416	rs112782563	T	C	-0.461	0.032	0.160	2.21E-48	-0.001	0.003	0.689	0.055	213.518	TRUE	8.09E-47

FEV1FVC	BNIP3	cg02388416	rs9419406	C	A	-0.296	0.024	0.440	2.07E-35	-0.004	0.002	0.072	0.040	154.140	TRUE	1.04E-33
FEV1FVC	BNIP3	cg02835981	rs12784653	C	G	0.228	0.033	0.143	8.17E-12	-0.006	0.003	0.101	0.012	46.698	TRUE	3.31E-11
FEV1FVC	BNIP3	cg02886408	rs12784653	C	G	0.265	0.033	0.143	2.51E-15	-0.006	0.003	0.101	0.017	62.581	TRUE	1.40E-14
FEV1FVC	BNIP3	cg02886408	rs72855581	T	A	-0.333	0.032	0.160	1.01E-25	-0.001	0.003	0.823	0.029	109.890	TRUE	3.69E-25
FEV1FVC	BNIP3	cg05762616	rs4880263	T	C	-0.380	0.027	0.255	4.31E-46	-0.004	0.003	0.181	0.052	203.033	TRUE	4.25E-44
FEV1FVC	BNIP3	cg09656274	rs4880263	T	C	-0.238	0.027	0.255	4.64E-19	-0.004	0.003	0.181	0.021	79.536	TRUE	2.83E-18
FEV1FVC	BNIP3	cg12751948	rs143252467	A	G	0.299	0.032	0.165	6.34E-21	0.000	0.003	0.988	0.023	88.017	TRUE	1.39E-20
FEV1FVC	BNIP3	cg12751948	rs45474491	T	G	0.773	0.135	0.016	1.04E-08	0.004	0.010	0.663	0.009	32.755	TRUE	1.64E-08
FEV1FVC	BNIP3	cg15390444	rs45474491	T	G	0.743	0.135	0.016	3.73E-08	0.004	0.010	0.663	0.008	30.270	TRUE	5.75E-08
FEV1FVC	BNIP3	cg15390444	rs45519634	T	C	0.445	0.032	0.162	1.17E-43	-0.001	0.003	0.694	0.049	191.893	TRUE	2.55E-42
FEV1FVC	BNIP3	cg18477674	rs45519634	T	C	0.384	0.032	0.162	8.69E-33	-0.001	0.003	0.694	0.037	142.146	TRUE	6.75E-32
FEV1FVC	BNIP3	cg20216030	rs3737058	A	G	0.292	0.024	0.324	6.20E-33	-0.003	0.003	0.277	0.037	142.816	TRUE	1.06E-31
FEV1FVC	BNIP3	cg20216030	rs45474491	T	G	-0.920	0.135	0.016	8.62E-12	0.004	0.010	0.663	0.012	46.595	TRUE	1.61E-11
FEV1FVC	BNIP3	cg21762589	rs3737058	A	G	-0.181	0.025	0.324	4.82E-13	-0.003	0.003	0.277	0.014	52.251	TRUE	1.50E-12
FEV1FVC	BNIP3	cg23471067	rs45519634	T	C	0.391	0.032	0.162	7.26E-34	-0.001	0.003	0.694	0.038	147.075	TRUE	6.20E-33
FEV1FVC	BNIP3	cg23606392	rs113614184	T	G	-0.141	0.025	0.333	9.74E-09	-0.002	0.003	0.452	0.009	32.875	TRUE	1.85E-08
FEV1FVC	BNIP3	cg25123362	rs7079909	T	C	0.343	0.032	0.162	1.34E-26	-0.001	0.003	0.707	0.030	113.890	TRUE	6.09E-26
FEV1FVC	BNIP3	cg25233900	rs45519634	T	C	0.308	0.032	0.162	1.51E-21	-0.001	0.003	0.694	0.024	90.848	TRUE	4.95E-21
FEV1FVC	BOK	cg00318320	rs115230843	T	C	0.550	0.096	0.017	9.60E-09	-0.014	0.009	0.126	0.009	32.903	TRUE	2.78E-08
FEV1FVC	BOK	cg22999099	rs113344275	T	C	-0.513	0.059	0.040	1.86E-18	-0.016	0.006	0.008	0.020	76.790	TRUE	3.21E-17
FEV1FVC	BOK	cg22999099	rs12695002	C	T	0.333	0.024	0.422	3.57E-45	0.000	0.002	0.917	0.051	198.825	TRUE	6.41E-44
FEV1FVC	BOK	cg22999099	rs142730039	G	A	-0.869	0.092	0.032	3.54E-21	-0.003	0.007	0.666	0.024	89.167	TRUE	1.18E-20
FEV1FVC	BOK	cg22999099	rs35904111	C	G	0.342	0.055	0.108	6.38E-10	-0.007	0.004	0.104	0.010	38.180	TRUE	2.21E-09
FEV1FVC	BOK	cg22999099	rs4675930	T	C	0.307	0.041	0.229	6.84E-14	0.011	0.003	9.75E-05	0.015	56.083	TRUE	1.68E-12
FEV1FVC	BOK	cg22999099	rs62191342	G	C	0.240	0.039	0.249	1.24E-09	-0.002	0.003	0.493	0.010	36.891	TRUE	2.39E-09
FEV1FVC	BOK	cg22999099	rs6757649	A	G	-0.163	0.023	0.449	3.36E-12	-0.010	0.002	2.64E-05	0.013	48.442	TRUE	7.75E-11
FEV1FVC	BOK	cg22999099	rs7420703	C	T	-1.170	0.030	0.137	<1E-200	-0.007	0.003	0.056	0.292	1524.014	TRUE	3.85E-290
FEV1FVC	BOK	cg22999099	rs7424328	C	T	-0.266	0.035	0.453	1.73E-14	-0.011	0.003	3.37E-05	0.016	58.789	TRUE	5.15E-13
FEV1FVC	BOK	cg22999099	rs75289375	T	C	-0.769	0.057	0.051	6.64E-41	-0.018	0.006	0.002	0.046	179.276	TRUE	3.37E-38
FEV1FVC	BOK	cg23959977	rs10168241	A	G	-0.282	0.049	0.135	9.18E-09	-0.005	0.004	0.236	0.009	32.989	TRUE	2.21E-08
FEV1FVC	BOK	cg23959977	rs13015179	G	A	-0.444	0.030	0.187	3.31E-49	-0.005	0.003	0.079	0.055	217.301	TRUE	8.90E-47
FEV1FVC	BOK	cg23959977	rs13423154	T	C	-0.174	0.024	0.357	6.44E-13	0.008	0.003	0.003	0.014	51.680	TRUE	7.32E-12
FEV1FVC	BOK	cg23959977	rs142708184	G	C	-0.599	0.103	0.029	5.77E-09	0.011	0.008	0.142	0.009	33.891	TRUE	1.65E-08
FEV1FVC	BOK	cg23959977	rs142730039	G	A	-0.646	0.092	0.032	2.85E-12	-0.003	0.007	0.666	0.013	48.763	TRUE	5.47E-12
FEV1FVC	BOK	cg23959977	rs36030965	A	C	-1.027	0.033	0.137	9.29E-219	-0.007	0.004	0.050	0.212	996.179	TRUE	2.81E-197
FEV1FVC	BOK	cg23959977	rs56390343	A	C	-0.368	0.025	0.303	1.82E-47	-0.002	0.003	0.352	0.054	209.330	TRUE	1.23E-45
FEV1FVC	BOK	cg23959977	rs62191342	G	C	0.243	0.039	0.249	7.78E-10	-0.002	0.003	0.493	0.010	37.795	TRUE	1.52E-09
FEV1FVC	BOK	cg23959977	rs62193476	A	G	0.396	0.035	0.354	3.74E-29	0.005	0.003	0.071	0.033	125.544	TRUE	9.61E-28
FEV1FVC	BOK	cg23959977	rs73014018	A	G	-0.187	0.029	0.215	5.98E-11	-0.004	0.003	0.151	0.011	42.803	TRUE	1.99E-10
FEV1FVC	BOK	cg23959977	rs7369408	A	G	0.232	0.028	0.221	4.92E-17	0.000	0.003	0.952	0.019	70.331	TRUE	9.26E-17
FEV1FVC	BOK	cg23959977	rs7424328	C	T	-0.282	0.035	0.453	3.64E-16	-0.011	0.003	3.37E-05	0.018	66.385	TRUE	1.41E-14
FEV1FVC	BOK	cg23959977	rs75289375	T	C	-0.596	0.058	0.051	5.60E-25	-0.018	0.006	0.002	0.028	106.489	TRUE	3.29E-23

FEV1FVC	BOK	cg23959977	rs75629307	T	C	-0.358	0.042	0.080	2.11E-17	-0.011	0.004	0.015	0.019	71.998	TRUE	2.72E-16
FEV1FVC	BOK	cg23959977	rs7601000	T	A	0.326	0.040	0.231	3.33E-16	-0.002	0.003	0.601	0.018	66.559	TRUE	8.54E-16
FEV1FVC	BOK	cg24436906	rs115230843	T	C	0.556	0.096	0.017	6.60E-09	-0.014	0.009	0.126	0.009	33.631	TRUE	1.94E-08
FEV1FVC	BOK	cg24436906	rs13423154	T	C	-0.197	0.024	0.357	3.79E-16	0.008	0.003	0.003	0.018	66.307	TRUE	6.53E-15
FEV1FVC	BOK	cg24828208	rs12695002	C	T	0.168	0.024	0.422	1.71E-12	0.000	0.002	0.917	0.013	49.767	TRUE	2.68E-12
FEV1FVC	BRSK2	cg00370047	rs11606628	T	C	0.159	0.026	0.278	8.44E-10	-0.005	0.003	0.048	0.010	37.637	TRUE	3.47E-09
FEV1FVC	BRSK2	cg00370047	rs117107041	A	G	0.328	0.051	0.053	1.45E-10	-0.004	0.005	0.401	0.011	41.070	TRUE	3.26E-10
FEV1FVC	BRSK2	cg00370047	rs66658795	T	C	-0.212	0.023	0.445	1.50E-19	0.002	0.002	0.340	0.022	81.766	TRUE	6.98E-19
FEV1FVC	BRSK2	cg00370047	rs7395006	C	T	0.164	0.024	0.387	1.12E-11	0.002	0.002	0.448	0.012	46.074	TRUE	2.63E-11
FEV1FVC	BRSK2	cg00370047	rs7932863	A	G	0.396	0.026	0.270	1.05E-51	-0.002	0.003	0.468	0.058	228.741	TRUE	8.77E-50
FEV1FVC	BRSK2	cg00370047	rs7944761	C	T	-0.152	0.024	0.461	1.32E-10	0.000	0.002	0.901	0.011	41.254	TRUE	1.91E-10
FEV1FVC	BRSK2	cg01122627	rs10768578	T	C	0.291	0.034	0.145	5.37E-18	0.008	0.003	0.027	0.020	74.699	TRUE	6.15E-17
FEV1FVC	BRSK2	cg01122627	rs11026443	T	C	0.343	0.061	0.037	1.77E-08	0.008	0.006	0.179	0.009	31.717	TRUE	4.54E-08
FEV1FVC	BRSK2	cg01122627	rs117107041	A	G	0.337	0.051	0.053	5.54E-11	-0.004	0.005	0.401	0.011	42.953	TRUE	1.28E-10
FEV1FVC	BRSK2	cg01122627	rs12284984	A	G	-0.207	0.029	0.203	7.86E-13	-0.003	0.003	0.344	0.014	51.289	TRUE	2.19E-12
FEV1FVC	BRSK2	cg01122627	rs150353929	T	C	0.204	0.035	0.131	7.45E-09	0.005	0.004	0.159	0.009	33.396	TRUE	2.03E-08
FEV1FVC	BRSK2	cg01122627	rs4072884	C	T	0.428	0.024	0.405	1.32E-73	0.006	0.002	0.008	0.082	329.188	TRUE	6.50E-69
FEV1FVC	BRSK2	cg01122627	rs7110854	T	C	0.230	0.031	0.171	2.61E-13	0.003	0.003	0.330	0.014	53.456	TRUE	7.68E-13
FEV1FVC	BRSK2	cg01122627	rs72847939	T	C	-0.476	0.081	0.017	3.87E-09	-0.015	0.009	0.087	0.009	34.670	TRUE	1.30E-08
FEV1FVC	BRSK2	cg01122627	rs7395567	T	C	0.285	0.027	0.266	7.86E-27	-0.002	0.003	0.468	0.030	114.940	TRUE	5.16E-26
FEV1FVC	BRSK2	cg01122627	rs9651638	G	A	0.209	0.026	0.285	9.79E-16	0.002	0.003	0.370	0.017	64.438	TRUE	3.23E-15
FEV1FVC	BRSK2	cg01468621	rs7395567	T	C	-0.150	0.027	0.266	1.82E-08	-0.002	0.003	0.468	0.008	31.657	TRUE	3.30E-08
FEV1FVC	BRSK2	cg01660630	rs10734285	A	C	-0.252	0.031	0.172	6.56E-16	0.003	0.003	0.316	0.017	65.226	TRUE	2.39E-15
FEV1FVC	BRSK2	cg01660630	rs10837858	A	G	0.297	0.053	0.051	2.21E-08	0.009	0.005	0.090	0.008	31.288	TRUE	6.83E-08
FEV1FVC	BRSK2	cg01660630	rs11599943	T	C	0.566	0.066	0.031	1.23E-17	-0.001	0.007	0.892	0.019	73.063	TRUE	2.53E-17
FEV1FVC	BRSK2	cg01660630	rs11604075	T	C	0.312	0.026	0.285	4.29E-34	-0.006	0.003	0.016	0.039	148.119	TRUE	3.83E-32
FEV1FVC	BRSK2	cg01660630	rs117654829	T	A	0.771	0.098	0.038	3.57E-15	0.002	0.007	0.826	0.016	61.892	TRUE	6.83E-15
FEV1FVC	BRSK2	cg01660630	rs28386994	T	A	-0.204	0.029	0.206	1.34E-12	0.006	0.003	0.061	0.013	50.247	TRUE	7.00E-12
FEV1FVC	BRSK2	cg01660630	rs34666042	T	C	0.301	0.032	0.164	1.17E-21	0.004	0.003	0.203	0.024	91.355	TRUE	8.64E-21
FEV1FVC	BRSK2	cg01660630	rs3793964	T	C	-0.348	0.024	0.368	2.69E-47	-0.002	0.003	0.416	0.053	208.547	TRUE	1.52E-45
FEV1FVC	BRSK2	cg01660630	rs4881724	A	G	-0.320	0.037	0.116	3.92E-18	0.004	0.004	0.266	0.020	75.319	TRUE	1.85E-17
FEV1FVC	BRSK2	cg01660630	rs66496921	C	G	-0.157	0.024	0.405	8.40E-11	0.001	0.002	0.641	0.011	42.140	TRUE	1.51E-10
FEV1FVC	BRSK2	cg01660630	rs7395006	C	T	0.257	0.024	0.387	3.11E-26	0.002	0.002	0.448	0.029	112.213	TRUE	2.13E-25
FEV1FVC	BRSK2	cg01660630	rs7395567	T	C	0.892	0.024	0.266	5.26E-290	-0.002	0.003	0.468	0.264	1323.821	TRUE	1.97E-257
FEV1FVC	BRSK2	cg01660630	rs7479551	T	A	0.143	0.025	0.342	9.93E-09	0.007	0.003	0.008	0.009	32.837	TRUE	5.37E-08
FEV1FVC	BRSK2	cg01660630	rs77338313	A	G	0.755	0.101	0.031	9.03E-14	-0.013	0.008	0.108	0.015	55.537	TRUE	4.31E-13
FEV1FVC	BRSK2	cg01758799	rs11245968	G	A	0.147	0.025	0.341	5.19E-09	0.007	0.003	0.010	0.009	34.097	TRUE	2.79E-08
FEV1FVC	BRSK2	cg01758799	rs11608241	T	C	0.538	0.092	0.019	4.23E-09	-0.003	0.009	0.727	0.009	34.498	TRUE	6.50E-09
FEV1FVC	BRSK2	cg01758799	rs116987758	A	G	0.491	0.089	0.018	3.06E-08	0.005	0.008	0.566	0.008	30.651	TRUE	5.13E-08
FEV1FVC	BRSK2	cg01758799	rs12280761	C	T	0.254	0.029	0.201	4.85E-18	0.004	0.003	0.247	0.020	74.901	TRUE	2.39E-17
FEV1FVC	BRSK2	cg01758799	rs12289734	T	C	0.228	0.029	0.199	7.56E-15	-0.007	0.003	0.015	0.016	60.414	TRUE	7.39E-14
FEV1FVC	BRSK2	cg01758799	rs1574122	T	C	-0.281	0.030	0.187	4.33E-21	0.006	0.003	0.054	0.023	88.767	TRUE	5.60E-20

FEV1FVC	BRSK2	cg01758799	rs2004828	C	T	0.308	0.024	0.398	2.07E-37	-0.007	0.002	0.004	0.042	163.285	TRUE	5.05E-35
FEV1FVC	BRSK2	cg01758799	rs28728088	T	C	0.158	0.029	0.208	3.44E-08	0.005	0.003	0.083	0.008	30.423	TRUE	1.07E-07
FEV1FVC	BRSK2	cg01758799	rs3817589	A	G	-0.397	0.031	0.171	7.78E-37	0.006	0.003	0.051	0.042	160.657	TRUE	5.71E-35
FEV1FVC	BRSK2	cg01758799	rs55744154	G	A	-0.315	0.044	0.144	1.40E-12	0.004	0.003	0.225	0.013	50.161	TRUE	4.59E-12
FEV1FVC	BRSK2	cg01758799	rs55910218	T	C	0.606	0.072	0.027	3.78E-17	-0.002	0.008	0.826	0.019	70.848	TRUE	8.12E-17
FEV1FVC	BRSK2	cg01758799	rs60707923	A	G	-0.373	0.026	0.260	4.26E-45	-0.004	0.003	0.108	0.051	198.473	TRUE	5.60E-43
FEV1FVC	BRSK2	cg01758799	rs6421033	G	C	-0.232	0.026	0.304	1.32E-19	-0.001	0.003	0.772	0.022	82.015	TRUE	3.41E-19
FEV1FVC	BRSK2	cg01758799	rs6578810	G	T	-0.312	0.044	0.080	2.01E-12	0.002	0.005	0.618	0.013	49.452	TRUE	4.01E-12
FEV1FVC	BRSK2	cg01758799	rs7128873	G	A	0.857	0.021	0.347	<1E-200	-0.005	0.003	0.069	0.313	1686.370	TRUE	<1E-200
FEV1FVC	BRSK2	cg01758799	rs7395006	C	T	0.359	0.024	0.387	3.40E-50	0.002	0.002	0.448	0.057	221.828	TRUE	2.67E-48
FEV1FVC	BRSK2	cg01758799	rs74046935	G	A	-0.321	0.025	0.297	2.46E-36	-0.002	0.003	0.407	0.041	158.372	TRUE	4.29E-35
FEV1FVC	BRSK2	cg01758799	rs77338313	A	G	0.767	0.101	0.031	3.56E-14	-0.013	0.008	0.108	0.015	57.365	TRUE	1.77E-13
FEV1FVC	BRSK2	cg02030652	rs10832955	T	C	0.291	0.024	0.368	1.33E-33	0.000	0.003	0.872	0.038	145.870	TRUE	8.49E-33
FEV1FVC	BRSK2	cg02030652	rs11029977	T	C	0.205	0.024	0.389	1.52E-17	0.005	0.002	0.042	0.019	72.644	TRUE	1.51E-16
FEV1FVC	BRSK2	cg02030652	rs11603080	A	C	-0.296	0.054	0.048	4.26E-08	0.013	0.006	0.019	0.008	30.013	TRUE	1.77E-07
FEV1FVC	BRSK2	cg02030652	rs117107041	A	G	-0.455	0.051	0.053	5.92E-19	-0.004	0.005	0.401	0.021	79.053	TRUE	2.39E-18
FEV1FVC	BRSK2	cg02030652	rs12808343	G	A	0.211	0.028	0.235	5.85E-14	0.006	0.003	0.038	0.015	56.391	TRUE	4.06E-13
FEV1FVC	BRSK2	cg02030652	rs145553613	C	T	-0.676	0.107	0.031	2.52E-10	-0.003	0.009	0.712	0.011	39.993	TRUE	4.17E-10
FEV1FVC	BRSK2	cg02030652	rs34666042	T	C	-0.204	0.032	0.164	9.86E-11	0.004	0.003	0.203	0.011	41.826	TRUE	2.94E-10
FEV1FVC	BRSK2	cg02030652	rs66658795	T	C	0.239	0.023	0.445	2.06E-24	0.002	0.002	0.340	0.027	103.912	TRUE	1.42E-23
FEV1FVC	BRSK2	cg02030652	rs7395006	C	T	-0.249	0.024	0.387	1.07E-24	0.002	0.002	0.448	0.028	105.200	TRUE	6.45E-24
FEV1FVC	BRSK2	cg02030652	rs7395567	T	C	-0.789	0.025	0.266	5.31E-218	-0.002	0.003	0.468	0.212	992.697	TRUE	3.45E-198
FEV1FVC	BRSK2	cg02030652	rs77338313	A	G	-0.723	0.101	0.031	9.78E-13	-0.013	0.008	0.108	0.014	50.859	TRUE	4.26E-12
FEV1FVC	BRSK2	cg02282118	rs1038724	A	G	-0.183	0.025	0.332	1.44E-13	0.000	0.003	0.896	0.015	54.616	TRUE	2.37E-13
FEV1FVC	BRSK2	cg02282118	rs115584864	C	G	0.376	0.026	0.273	7.57E-48	-0.002	0.003	0.374	0.054	211.072	TRUE	5.13E-46
FEV1FVC	BRSK2	cg02282118	rs11599943	T	C	0.463	0.066	0.031	2.97E-12	-0.001	0.007	0.892	0.013	48.682	TRUE	4.64E-12
FEV1FVC	BRSK2	cg02282118	rs117431642	T	C	-0.736	0.109	0.026	1.57E-11	-0.017	0.008	0.030	0.012	45.419	TRUE	8.83E-11
FEV1FVC	BRSK2	cg02282118	rs12786504	A	G	0.197	0.034	0.138	8.84E-09	0.002	0.004	0.534	0.009	33.062	TRUE	1.56E-08
FEV1FVC	BRSK2	cg02282118	rs1317780	G	C	0.257	0.028	0.225	1.69E-19	0.005	0.003	0.087	0.022	81.532	TRUE	1.49E-18
FEV1FVC	BRSK2	cg02282118	rs145553613	C	T	-0.866	0.106	0.031	3.87E-16	-0.003	0.009	0.712	0.018	66.267	TRUE	8.78E-16
FEV1FVC	BRSK2	cg02282118	rs186941956	A	G	0.353	0.060	0.038	4.62E-09	0.008	0.006	0.150	0.009	34.326	TRUE	1.31E-08
FEV1FVC	BRSK2	cg02282118	rs1973846	T	C	0.332	0.028	0.241	2.62E-33	0.000	0.003	0.986	0.038	144.524	TRUE	1.36E-32
FEV1FVC	BRSK2	cg02282118	rs2176025	T	A	-0.249	0.025	0.316	1.62E-22	0.002	0.003	0.357	0.025	95.274	TRUE	9.20E-22
FEV1FVC	BRSK2	cg02282118	rs34397346	A	G	0.293	0.027	0.252	5.24E-27	0.007	0.003	0.022	0.030	115.744	TRUE	1.80E-25
FEV1FVC	BRSK2	cg02282118	rs3750920	T	C	-0.205	0.024	0.431	1.04E-17	0.000	0.002	0.940	0.019	73.396	TRUE	2.05E-17
FEV1FVC	BRSK2	cg02282118	rs55910218	T	C	-0.558	0.072	0.027	8.80E-15	-0.002	0.008	0.826	0.016	60.115	TRUE	1.66E-14
FEV1FVC	BRSK2	cg02282118	rs60707923	A	G	0.325	0.027	0.260	2.47E-34	-0.004	0.003	0.108	0.039	149.213	TRUE	9.16E-33
FEV1FVC	BRSK2	cg02282118	rs61867617	A	G	-1.117	0.022	0.203	<1E-200	-0.006	0.003	0.027	0.413	2601.854	TRUE	<1E-200
FEV1FVC	BRSK2	cg02282118	rs6578589	A	C	-0.225	0.024	0.476	2.03E-21	-0.004	0.002	0.089	0.024	90.265	TRUE	2.08E-20
FEV1FVC	BRSK2	cg02282118	rs7396026	T	C	0.440	0.053	0.057	1.58E-16	0.014	0.006	0.025	0.018	68.035	TRUE	1.57E-15
FEV1FVC	BRSK2	cg02282118	rs77672898	A	G	0.360	0.060	0.076	1.39E-09	-0.001	0.004	0.802	0.010	36.663	TRUE	2.07E-09
FEV1FVC	BRSK2	cg02282118	rs79349719	A	G	0.266	0.044	0.074	1.91E-09	0.009	0.004	0.034	0.010	36.047	TRUE	8.34E-09

FEV1FVC	BRSK2	cg02282118	rs7935124	A	G	0.224	0.033	0.152	1.54E-11	0.004	0.003	0.243	0.012	45.454	TRUE	4.60E-11
FEV1FVC	BRSK2	cg02282118	rs968592	A	G	0.200	0.032	0.159	6.54E-10	0.002	0.003	0.635	0.010	38.131	TRUE	1.14E-09
FEV1FVC	BRSK2	cg03156651	rs7395567	T	C	0.241	0.026	0.266	4.07E-20	-0.002	0.003	0.468	0.022	84.340	TRUE	1.59E-19
FEV1FVC	BRSK2	cg03267026	rs11023590	C	T	0.197	0.024	0.413	1.19E-16	0.002	0.002	0.509	0.018	68.581	TRUE	3.54E-16
FEV1FVC	BRSK2	cg03267026	rs1574122	T	C	-0.174	0.030	0.187	6.49E-09	0.006	0.003	0.054	0.009	33.664	TRUE	2.44E-08
FEV1FVC	BRSK2	cg03553914	rs10751641	T	G	0.143	0.025	0.325	1.67E-08	0.007	0.003	0.004	0.009	31.830	TRUE	9.38E-08
FEV1FVC	BRSK2	cg03553914	rs10766282	T	A	0.546	0.061	0.046	2.34E-19	0.008	0.006	0.160	0.021	80.884	TRUE	1.57E-18
FEV1FVC	BRSK2	cg03553914	rs11028931	G	A	0.400	0.024	0.349	5.32E-61	-0.005	0.003	0.061	0.068	271.362	TRUE	9.09E-58
FEV1FVC	BRSK2	cg03553914	rs11035302	C	A	-0.241	0.025	0.313	3.83E-21	0.005	0.003	0.052	0.023	89.012	TRUE	4.78E-20
FEV1FVC	BRSK2	cg03553914	rs117107041	A	G	0.504	0.051	0.053	8.11E-23	-0.004	0.005	0.401	0.025	96.637	TRUE	4.41E-22
FEV1FVC	BRSK2	cg03553914	rs12146475	T	G	0.332	0.053	0.052	3.53E-10	0.009	0.005	0.093	0.011	39.333	TRUE	1.29E-09
FEV1FVC	BRSK2	cg03553914	rs12796869	T	C	-0.277	0.030	0.187	5.94E-20	0.006	0.003	0.080	0.022	83.592	TRUE	5.83E-19
FEV1FVC	BRSK2	cg03553914	rs145553613	C	T	0.710	0.107	0.031	2.86E-11	-0.003	0.009	0.712	0.012	44.249	TRUE	4.96E-11
FEV1FVC	BRSK2	cg03553914	rs34666042	T	C	0.298	0.032	0.164	2.93E-21	0.004	0.003	0.203	0.024	89.540	TRUE	2.09E-20
FEV1FVC	BRSK2	cg03553914	rs3793964	T	C	-0.383	0.024	0.368	2.54E-57	-0.002	0.003	0.416	0.064	254.493	TRUE	4.98E-55
FEV1FVC	BRSK2	cg03553914	rs4255564	C	T	0.969	0.023	0.260	<1E-200	-0.001	0.003	0.713	0.331	1831.498	TRUE	<1E-200
FEV1FVC	BRSK2	cg03553914	rs5743915	A	G	0.164	0.024	0.415	5.27E-12	-0.004	0.002	0.145	0.013	47.558	TRUE	1.95E-11
FEV1FVC	BRSK2	cg03553914	rs66496921	C	G	-0.160	0.024	0.405	3.92E-11	0.001	0.002	0.641	0.012	43.629	TRUE	7.16E-11
FEV1FVC	BRSK2	cg03553914	rs7112918	C	T	0.134	0.024	0.465	1.78E-08	-0.001	0.002	0.552	0.008	31.699	TRUE	3.03E-08
FEV1FVC	BRSK2	cg03553914	rs7118474	G	A	-0.234	0.030	0.194	6.40E-15	0.002	0.003	0.566	0.016	60.743	TRUE	1.57E-14
FEV1FVC	BRSK2	cg03553914	rs7395006	C	T	0.344	0.024	0.387	3.92E-46	0.002	0.002	0.448	0.052	203.221	TRUE	1.91E-44
FEV1FVC	BRSK2	cg03553914	rs76324386	T	C	-0.313	0.046	0.072	7.22E-12	0.007	0.005	0.131	0.013	46.941	TRUE	2.72E-11
FEV1FVC	BRSK2	cg03553914	rs77338313	A	G	0.810	0.101	0.031	1.21E-15	-0.013	0.008	0.108	0.017	64.015	TRUE	6.86E-15
FEV1FVC	BRSK2	cg03553914	rs79646282	T	C	0.557	0.097	0.038	1.08E-08	-0.016	0.006	0.011	0.009	32.679	TRUE	5.43E-08
FEV1FVC	BRSK2	cg03695103	rs12788273	A	G	0.289	0.026	0.277	2.91E-28	0.001	0.003	0.778	0.032	121.473	TRUE	1.39E-27
FEV1FVC	BRSK2	cg03695103	rs66658795	T	C	-0.130	0.024	0.445	3.16E-08	0.002	0.002	0.340	0.008	30.592	TRUE	6.46E-08
FEV1FVC	BRSK2	cg03817164	rs56225362	C	T	-0.359	0.049	0.071	1.33E-13	0.008	0.005	0.103	0.015	54.777	TRUE	6.36E-13
FEV1FVC	BRSK2	cg03817164	rs7931497	C	G	-0.955	0.055	0.049	2.73E-67	0.013	0.006	0.035	0.075	300.214	TRUE	1.78E-63
FEV1FVC	BRSK2	cg03817164	rs7944761	C	T	-0.169	0.024	0.461	1.31E-12	0.000	0.002	0.901	0.013	50.280	TRUE	2.07E-12
FEV1FVC	BRSK2	cg03817794	rs11028763	C	T	-0.463	0.024	0.359	5.53E-83	0.007	0.003	0.006	0.091	372.229	TRUE	1.72E-77
FEV1FVC	BRSK2	cg03817794	rs11036555	C	T	-0.168	0.026	0.285	2.03E-10	0.000	0.003	0.894	0.011	40.417	TRUE	2.88E-10
FEV1FVC	BRSK2	cg03817794	rs11599943	T	C	0.498	0.066	0.031	5.82E-14	-0.001	0.007	0.892	0.015	56.401	TRUE	9.87E-14
FEV1FVC	BRSK2	cg03817794	rs145553613	C	T	0.709	0.107	0.031	3.06E-11	-0.003	0.009	0.712	0.012	44.116	TRUE	5.30E-11
FEV1FVC	BRSK2	cg03817794	rs34666042	T	C	0.215	0.032	0.164	9.08E-12	0.004	0.003	0.203	0.012	46.491	TRUE	2.94E-11
FEV1FVC	BRSK2	cg03817794	rs3793964	T	C	-0.204	0.024	0.368	4.70E-17	-0.002	0.003	0.416	0.019	70.420	TRUE	1.59E-16
FEV1FVC	BRSK2	cg03817794	rs7395006	C	T	0.243	0.024	0.387	1.14E-23	0.002	0.002	0.448	0.026	100.513	TRUE	6.34E-23
FEV1FVC	BRSK2	cg03817794	rs7395567	T	C	0.621	0.026	0.266	5.18E-128	-0.002	0.003	0.468	0.135	579.043	TRUE	4.67E-120
FEV1FVC	BRSK2	cg03817794	rs79823788	A	G	-0.351	0.053	0.048	5.08E-11	-0.006	0.006	0.334	0.012	43.123	TRUE	1.27E-10
FEV1FVC	BRSK2	cg03817794	rs79956640	G	A	-0.453	0.082	0.022	4.01E-08	0.010	0.008	0.170	0.008	30.128	TRUE	1.01E-07
FEV1FVC	BRSK2	cg03817794	rs9651637	G	A	-0.190	0.026	0.284	3.42E-13	0.002	0.003	0.534	0.014	52.923	TRUE	7.81E-13
FEV1FVC	BRSK2	cg03817794	rs9651643	T	C	-0.234	0.024	0.445	2.07E-23	0.003	0.002	0.292	0.026	99.336	TRUE	1.43E-22
FEV1FVC	BRSK2	cg04527071	rs60707923	A	G	-0.208	0.026	0.260	3.66E-15	-0.004	0.003	0.108	0.016	61.844	TRUE	2.02E-14

FEV1FVC	BRSK2	cg04527071	rs7932863	A	G	0.199	0.026	0.270	3.20E-14	-0.002	0.003	0.468	0.015	57.579	TRUE	8.30E-14
FEV1FVC	BRSK2	cg04737185	rs10837893	T	C	-0.195	0.035	0.131	3.64E-08	0.005	0.004	0.159	0.008	30.314	TRUE	9.38E-08
FEV1FVC	BRSK2	cg04737185	rs11025835	G	A	0.360	0.054	0.058	3.00E-11	-0.002	0.005	0.766	0.012	44.151	TRUE	4.95E-11
FEV1FVC	BRSK2	cg04737185	rs117872975	G	A	-0.421	0.049	0.065	5.85E-18	-0.001	0.005	0.855	0.020	74.531	TRUE	1.27E-17
FEV1FVC	BRSK2	cg04737185	rs149744898	G	C	0.437	0.078	0.024	1.81E-08	0.000	0.007	0.957	0.008	31.670	TRUE	2.30E-08
FEV1FVC	BRSK2	cg04737185	rs28540254	G	A	0.458	0.024	0.337	1.96E-79	-0.004	0.003	0.130	0.088	355.933	TRUE	3.77E-75
FEV1FVC	BRSK2	cg04737185	rs5743987	T	C	0.328	0.049	0.071	2.31E-11	0.007	0.005	0.164	0.012	44.664	TRUE	7.75E-11
FEV1FVC	BRSK2	cg04737185	rs5744002	C	T	-0.200	0.024	0.427	1.99E-17	-0.002	0.002	0.424	0.019	72.119	TRUE	6.87E-17
FEV1FVC	BRSK2	cg04737185	rs57958928	C	T	0.159	0.028	0.229	2.03E-08	-0.030	0.048	0.534	0.008	31.451	TRUE	3.51E-08
FEV1FVC	BRSK2	cg04737185	rs58514600	T	C	0.401	0.041	0.089	6.38E-23	0.008	0.004	0.055	0.026	97.111	TRUE	9.61E-22
FEV1FVC	BRSK2	cg04737185	rs61867510	G	C	-0.176	0.024	0.400	2.48E-13	0.006	0.002	0.016	0.014	53.556	TRUE	1.99E-12
FEV1FVC	BRSK2	cg04984852	rs10766282	T	A	0.393	0.061	0.046	1.04E-10	0.008	0.006	0.160	0.011	41.730	TRUE	3.31E-10
FEV1FVC	BRSK2	cg04984852	rs11599943	T	C	0.387	0.066	0.031	5.02E-09	-0.001	0.007	0.892	0.009	34.164	TRUE	6.81E-09
FEV1FVC	BRSK2	cg04984852	rs11604075	T	C	0.253	0.026	0.285	5.38E-23	-0.006	0.003	0.016	0.026	97.448	TRUE	1.29E-21
FEV1FVC	BRSK2	cg04984852	rs1574122	T	C	-0.206	0.030	0.187	4.46E-12	0.006	0.003	0.054	0.013	47.886	TRUE	2.32E-11
FEV1FVC	BRSK2	cg04984852	rs34666042	T	C	0.201	0.032	0.164	1.96E-10	0.004	0.003	0.203	0.011	40.487	TRUE	5.69E-10
FEV1FVC	BRSK2	cg04984852	rs3793964	T	C	-0.227	0.024	0.368	8.10E-21	-0.002	0.003	0.416	0.023	87.531	TRUE	3.62E-20
FEV1FVC	BRSK2	cg04984852	rs7395006	C	T	0.192	0.024	0.387	2.63E-15	0.002	0.002	0.448	0.017	62.490	TRUE	7.85E-15
FEV1FVC	BRSK2	cg04984852	rs7395567	T	C	0.587	0.026	0.266	4.66E-114	-0.002	0.003	0.468	0.122	514.936	TRUE	1.70E-107
FEV1FVC	BRSK2	cg05516327	rs10837692	T	C	-0.191	0.031	0.175	7.16E-10	0.004	0.003	0.186	0.010	37.957	TRUE	2.04E-09
FEV1FVC	BRSK2	cg05516327	rs11029038	A	C	-0.211	0.025	0.322	8.31E-17	0.005	0.003	0.071	0.018	69.296	TRUE	6.14E-16
FEV1FVC	BRSK2	cg05516327	rs1109746	T	C	-0.340	0.023	0.456	1.96E-48	0.001	0.002	0.640	0.055	213.764	TRUE	7.85E-47
FEV1FVC	BRSK2	cg05516327	rs12788273	A	G	0.162	0.026	0.277	8.50E-10	0.001	0.003	0.778	0.010	37.621	TRUE	1.30E-09
FEV1FVC	BRSK2	cg05516327	rs1973846	T	C	-0.239	0.028	0.241	5.87E-18	0.000	0.003	0.986	0.020	74.524	TRUE	1.10E-17
FEV1FVC	BRSK2	cg05516327	rs2943521	A	G	-0.173	0.024	0.439	2.50E-13	-0.001	0.002	0.649	0.014	53.534	TRUE	5.17E-13
FEV1FVC	BRSK2	cg05516327	rs60078451	A	T	0.279	0.049	0.065	1.69E-08	0.003	0.005	0.595	0.009	31.801	TRUE	2.80E-08
FEV1FVC	BRSK2	cg05516327	rs61867592	A	G	0.343	0.052	0.098	3.94E-11	0.006	0.004	0.121	0.012	43.618	TRUE	1.42E-10
FEV1FVC	BRSK2	cg05516327	rs72847939	T	C	0.563	0.081	0.017	2.82E-12	-0.015	0.009	0.087	0.013	48.781	TRUE	1.28E-11
FEV1FVC	BRSK2	cg05516327	rs7944983	A	G	0.275	0.044	0.077	3.63E-10	0.001	0.005	0.799	0.011	39.281	TRUE	5.52E-10
FEV1FVC	BRSK2	cg06300961	rs7395567	T	C	0.279	0.026	0.266	6.23E-26	-0.002	0.003	0.468	0.029	110.838	TRUE	3.80E-25
FEV1FVC	BRSK2	cg06787104	rs10766282	T	A	0.622	0.061	0.046	9.38E-25	0.008	0.006	0.160	0.028	105.467	TRUE	1.02E-23
FEV1FVC	BRSK2	cg06787104	rs111886352	G	C	-0.266	0.038	0.117	2.59E-12	0.000	0.004	0.995	0.013	48.950	TRUE	3.70E-12
FEV1FVC	BRSK2	cg06787104	rs115584864	C	G	-0.330	0.026	0.273	9.02E-37	-0.002	0.003	0.374	0.042	160.363	TRUE	1.81E-35
FEV1FVC	BRSK2	cg06787104	rs11604075	T	C	0.201	0.026	0.285	6.62E-15	-0.006	0.003	0.016	0.016	60.675	TRUE	6.40E-14
FEV1FVC	BRSK2	cg06787104	rs117017076	G	C	-0.287	0.042	0.091	5.39E-12	0.003	0.004	0.433	0.013	47.512	TRUE	1.27E-11
FEV1FVC	BRSK2	cg06787104	rs117107041	A	G	0.483	0.051	0.053	4.56E-21	-0.004	0.005	0.401	0.023	88.665	TRUE	2.16E-20
FEV1FVC	BRSK2	cg06787104	rs34666042	T	C	0.263	0.032	0.164	8.68E-17	0.004	0.003	0.203	0.018	69.212	TRUE	4.23E-16
FEV1FVC	BRSK2	cg06787104	rs73407443	T	C	-0.270	0.048	0.063	2.42E-08	0.003	0.005	0.493	0.008	31.108	TRUE	4.30E-08
FEV1FVC	BRSK2	cg06787104	rs7395006	C	T	0.202	0.024	0.387	9.25E-17	0.002	0.002	0.448	0.018	69.087	TRUE	3.05E-16
FEV1FVC	BRSK2	cg06787104	rs77338313	A	G	0.571	0.102	0.031	1.97E-08	-0.013	0.008	0.108	0.008	31.507	TRUE	5.78E-08
FEV1FVC	BRSK2	cg06787104	rs7932863	A	G	0.825	0.025	0.270	1.12E-243	-0.002	0.003	0.468	0.231	1110.767	TRUE	1.25E-219
FEV1FVC	BRSK2	cg06812836	rs10832955	T	C	-0.407	0.024	0.368	8.49E-65	0.000	0.003	0.872	0.072	288.779	TRUE	1.68E-62

FEV1FVC	BRSK2	cg06812836	rs117107041	A	G	0.589	0.051	0.053	1.07E-30	-0.004	0.005	0.401	0.035	132.603	TRUE	1.13E-29
FEV1FVC	BRSK2	cg06812836	rs138708159	T	C	-0.410	0.073	0.025	2.23E-08	0.000	0.007	0.964	0.008	31.264	TRUE	2.81E-08
FEV1FVC	BRSK2	cg06812836	rs181332597	T	C	0.644	0.100	0.036	1.42E-10	0.002	0.007	0.826	0.011	41.109	TRUE	2.17E-10
FEV1FVC	BRSK2	cg06812836	rs2735703	G	A	0.284	0.041	0.092	4.19E-12	-0.001	0.004	0.818	0.013	48.008	TRUE	6.90E-12
FEV1FVC	BRSK2	cg06812836	rs34666042	T	C	0.239	0.032	0.164	4.06E-14	0.004	0.003	0.203	0.015	57.109	TRUE	1.59E-13
FEV1FVC	BRSK2	cg06812836	rs66658795	T	C	-0.256	0.024	0.445	1.24E-27	0.002	0.002	0.340	0.031	118.608	TRUE	1.13E-26
FEV1FVC	BRSK2	cg06812836	rs73407443	T	C	-0.324	0.048	0.063	2.03E-11	0.003	0.005	0.493	0.012	44.913	TRUE	4.35E-11
FEV1FVC	BRSK2	cg06812836	rs7395006	C	T	0.287	0.024	0.387	2.50E-32	0.002	0.002	0.448	0.036	140.046	TRUE	2.92E-31
FEV1FVC	BRSK2	cg06812836	rs7395567	T	C	0.856	0.025	0.266	3.40E-261	-0.002	0.003	0.468	0.244	1191.321	TRUE	4.71E-234
FEV1FVC	BRSK2	cg06812836	rs74542903	T	C	-0.242	0.036	0.118	2.54E-11	-0.001	0.004	0.837	0.012	44.478	TRUE	3.95E-11
FEV1FVC	BRSK2	cg07067744	rs10835060	T	G	-0.177	0.029	0.193	1.72E-09	0.006	0.003	0.035	0.010	36.243	TRUE	7.57E-09
FEV1FVC	BRSK2	cg07067744	rs11604075	T	C	0.223	0.026	0.285	5.38E-18	-0.006	0.003	0.016	0.020	74.695	TRUE	7.35E-17
FEV1FVC	BRSK2	cg07067744	rs117107041	A	G	0.377	0.051	0.053	2.16E-13	-0.004	0.005	0.401	0.014	53.822	TRUE	5.87E-13
FEV1FVC	BRSK2	cg07067744	rs12808343	G	A	-0.160	0.028	0.235	1.55E-08	0.006	0.003	0.038	0.009	31.969	TRUE	6.04E-08
FEV1FVC	BRSK2	cg07067744	rs34666042	T	C	0.231	0.032	0.164	2.18E-13	0.004	0.003	0.203	0.014	53.803	TRUE	8.05E-13
FEV1FVC	BRSK2	cg07067744	rs5743915	A	G	0.131	0.024	0.415	3.33E-08	-0.004	0.002	0.145	0.008	30.491	TRUE	8.86E-08
FEV1FVC	BRSK2	cg07067744	rs7395006	C	T	0.193	0.024	0.387	2.07E-15	0.002	0.002	0.448	0.017	62.963	TRUE	6.22E-15
FEV1FVC	BRSK2	cg07067744	rs77338313	A	G	0.582	0.102	0.031	1.03E-08	-0.013	0.008	0.108	0.009	32.773	TRUE	3.10E-08
FEV1FVC	BRSK2	cg07067744	rs7932863	A	G	0.661	0.026	0.270	1.83E-147	-0.002	0.003	0.468	0.153	668.431	TRUE	2.33E-137
FEV1FVC	BRSK2	cg07479615	rs10832442	C	T	0.320	0.024	0.412	1.88E-41	0.002	0.002	0.517	0.047	181.784	TRUE	4.65E-40
FEV1FVC	BRSK2	cg07479615	rs11037380	A	G	-0.330	0.035	0.137	5.65E-21	0.000	0.004	0.917	0.023	88.243	TRUE	1.38E-20
FEV1FVC	BRSK2	cg07479615	rs111966929	T	C	-0.732	0.066	0.032	2.14E-28	0.004	0.006	0.585	0.032	122.082	TRUE	1.36E-27
FEV1FVC	BRSK2	cg07479615	rs113969661	T	C	-0.648	0.085	0.018	2.99E-14	0.006	0.010	0.564	0.015	57.712	TRUE	7.10E-14
FEV1FVC	BRSK2	cg07479615	rs11605284	C	T	0.213	0.026	0.277	4.16E-16	-0.008	0.003	0.004	0.018	66.122	TRUE	6.20E-15
FEV1FVC	BRSK2	cg07479615	rs117005356	T	C	0.427	0.074	0.026	8.64E-09	-0.001	0.007	0.907	0.009	33.108	TRUE	1.15E-08
FEV1FVC	BRSK2	cg07479615	rs117107041	A	G	-0.314	0.051	0.053	1.00E-09	-0.004	0.005	0.401	0.010	37.297	TRUE	2.13E-09
FEV1FVC	BRSK2	cg07479615	rs118072498	A	G	0.346	0.055	0.094	2.13E-10	-0.001	0.004	0.843	0.011	40.323	TRUE	3.20E-10
FEV1FVC	BRSK2	cg07479615	rs11822504	T	C	-0.131	0.024	0.482	2.35E-08	0.005	0.002	0.051	0.008	31.166	TRUE	8.09E-08
FEV1FVC	BRSK2	cg07479615	rs12221827	C	T	0.339	0.025	0.322	1.69E-41	-0.004	0.003	0.088	0.047	181.997	TRUE	1.55E-39
FEV1FVC	BRSK2	cg07479615	rs1574122	T	C	-0.586	0.029	0.187	1.96E-89	0.006	0.003	0.054	0.098	401.842	TRUE	5.39E-84
FEV1FVC	BRSK2	cg07479615	rs17821107	C	G	0.405	0.038	0.114	3.21E-26	0.003	0.004	0.379	0.029	112.151	TRUE	2.42E-25
FEV1FVC	BRSK2	cg07479615	rs34397346	A	G	-0.202	0.027	0.252	1.59E-13	0.007	0.003	0.022	0.015	54.430	TRUE	1.22E-12
FEV1FVC	BRSK2	cg07479615	rs4881747	T	C	0.432	0.059	0.042	1.70E-13	0.012	0.006	0.040	0.014	54.289	TRUE	1.10E-12
FEV1FVC	BRSK2	cg07479615	rs55988415	T	A	0.303	0.051	0.060	3.64E-09	0.000	0.005	0.996	0.009	34.787	TRUE	4.60E-09
FEV1FVC	BRSK2	cg07479615	rs56146392	C	A	-0.309	0.047	0.072	3.27E-11	-0.001	0.005	0.787	0.012	43.982	TRUE	5.29E-11
FEV1FVC	BRSK2	cg07479615	rs79349719	A	G	-0.290	0.044	0.074	6.29E-11	0.009	0.004	0.034	0.011	42.706	TRUE	3.23E-10
FEV1FVC	BRSK2	cg07479615	rs908224	G	T	-0.277	0.024	0.350	4.95E-30	0.002	0.003	0.488	0.034	129.557	TRUE	4.15E-29
FEV1FVC	BRSK2	cg07652408	rs7395567	T	C	0.230	0.027	0.266	4.12E-18	-0.002	0.003	0.468	0.020	75.222	TRUE	1.39E-17
FEV1FVC	BRSK2	cg08012275	rs11604075	T	C	0.183	0.025	0.285	5.36E-13	-0.006	0.003	0.016	0.014	52.041	TRUE	4.17E-12
FEV1FVC	BRSK2	cg08012275	rs3793964	T	C	-0.143	0.024	0.368	2.37E-09	-0.002	0.003	0.416	0.010	35.623	TRUE	4.79E-09
FEV1FVC	BRSK2	cg08012275	rs7395006	C	T	0.149	0.024	0.387	5.31E-10	0.002	0.002	0.448	0.010	38.538	TRUE	1.11E-09
FEV1FVC	BRSK2	cg08012275	rs7395567	T	C	0.387	0.026	0.266	2.69E-50	-0.002	0.003	0.468	0.057	222.294	TRUE	1.89E-48

FEV1FVC	BRSK2	cg09167291	rs10832574	T	C	0.168	0.024	0.390	2.55E-12	0.001	0.002	0.611	0.013	48.979	TRUE	5.12E-12
FEV1FVC	BRSK2	cg09167291	rs11024617	A	G	-0.168	0.027	0.250	3.67E-10	-0.003	0.003	0.260	0.011	39.258	TRUE	9.65E-10
FEV1FVC	BRSK2	cg09167291	rs11027462	T	C	-0.175	0.023	0.445	5.04E-14	0.002	0.002	0.330	0.015	56.683	TRUE	1.55E-13
FEV1FVC	BRSK2	cg09167291	rs7395567	T	C	0.331	0.026	0.266	9.27E-37	-0.002	0.003	0.468	0.042	160.309	TRUE	1.49E-35
FEV1FVC	BRSK2	cg09291824	rs10834052	T	C	0.288	0.031	0.185	4.13E-21	0.000	0.003	0.919	0.023	88.864	TRUE	1.00E-20
FEV1FVC	BRSK2	cg09291824	rs117107041	A	G	0.318	0.051	0.053	5.42E-10	-0.004	0.005	0.401	0.010	38.500	TRUE	1.17E-09
FEV1FVC	BRSK2	cg09291824	rs12282543	G	A	-0.165	0.029	0.221	6.78E-09	0.006	0.003	0.035	0.009	33.578	TRUE	2.74E-08
FEV1FVC	BRSK2	cg09291824	rs7395567	T	C	0.411	0.026	0.266	6.81E-55	-0.002	0.003	0.468	0.062	243.362	TRUE	8.43E-53
FEV1FVC	BRSK2	cg09291824	rs74046935	G	A	-0.292	0.025	0.297	2.03E-30	-0.002	0.003	0.407	0.034	131.326	TRUE	2.02E-29
FEV1FVC	BRSK2	cg09450823	rs10766282	T	A	0.370	0.061	0.046	1.10E-09	0.008	0.006	0.160	0.010	37.121	TRUE	3.22E-09
FEV1FVC	BRSK2	cg09450823	rs10832574	T	C	0.183	0.024	0.390	4.41E-14	0.001	0.002	0.611	0.015	56.946	TRUE	9.80E-14
FEV1FVC	BRSK2	cg09450823	rs11035302	C	A	-0.140	0.026	0.313	4.03E-08	0.005	0.003	0.052	0.008	30.117	TRUE	1.36E-07
FEV1FVC	BRSK2	cg09450823	rs11599943	T	C	0.523	0.066	0.031	2.69E-15	-0.001	0.007	0.892	0.017	62.449	TRUE	4.87E-15
FEV1FVC	BRSK2	cg09450823	rs34666042	T	C	0.180	0.032	0.164	1.13E-08	0.004	0.003	0.203	0.009	32.593	TRUE	2.84E-08
FEV1FVC	BRSK2	cg09450823	rs55813014	C	T	-0.202	0.023	0.473	7.12E-18	0.001	0.002	0.712	0.020	74.142	TRUE	1.81E-17
FEV1FVC	BRSK2	cg09450823	rs7395567	T	C	0.537	0.026	0.266	1.07E-94	-0.002	0.003	0.468	0.103	426.009	TRUE	7.38E-90
FEV1FVC	BRSK2	cg09450823	rs9651643	T	C	-0.131	0.024	0.445	2.93E-08	0.003	0.002	0.292	0.008	30.735	TRUE	6.29E-08
FEV1FVC	BRSK2	cg09461507	rs11604075	T	C	0.228	0.026	0.285	6.56E-19	-0.006	0.003	0.016	0.021	78.850	TRUE	9.93E-18
FEV1FVC	BRSK2	cg09461507	rs3793964	T	C	-0.187	0.024	0.368	1.41E-14	-0.002	0.003	0.416	0.016	59.184	TRUE	4.03E-14
FEV1FVC	BRSK2	cg09461507	rs7395006	C	T	0.191	0.024	0.387	3.28E-15	0.002	0.002	0.448	0.017	62.057	TRUE	9.72E-15
FEV1FVC	BRSK2	cg09461507	rs7395567	T	C	0.440	0.026	0.266	4.52E-63	-0.002	0.003	0.468	0.071	280.860	TRUE	1.67E-60
FEV1FVC	BRSK2	cg09600088	rs10832574	T	C	0.190	0.024	0.390	4.27E-15	0.001	0.002	0.611	0.016	61.538	TRUE	1.01E-14
FEV1FVC	BRSK2	cg09600088	rs11027462	T	C	-0.192	0.023	0.445	2.42E-16	0.002	0.002	0.330	0.018	67.190	TRUE	8.84E-16
FEV1FVC	BRSK2	cg09600088	rs11599943	T	C	0.469	0.066	0.031	1.33E-12	-0.001	0.007	0.892	0.013	50.252	TRUE	2.12E-12
FEV1FVC	BRSK2	cg09600088	rs2075859	T	C	-0.180	0.024	0.369	7.72E-14	0.000	0.003	0.867	0.015	55.845	TRUE	1.32E-13
FEV1FVC	BRSK2	cg09600088	rs7395567	T	C	0.500	0.026	0.266	5.59E-82	-0.002	0.003	0.468	0.090	367.616	TRUE	3.90E-78
FEV1FVC	BRSK2	cg09600088	rs79057596	G	A	0.379	0.068	0.036	2.09E-08	0.002	0.007	0.804	0.008	31.388	TRUE	2.95E-08
FEV1FVC	BRSK2	cg09790617	rs11599943	T	C	0.367	0.066	0.031	3.29E-08	-0.001	0.007	0.892	0.008	30.510	TRUE	4.33E-08
FEV1FVC	BRSK2	cg09790617	rs11604075	T	C	0.201	0.026	0.285	6.09E-15	-0.006	0.003	0.016	0.016	60.839	TRUE	5.91E-14
FEV1FVC	BRSK2	cg09790617	rs2334657	C	T	-0.141	0.024	0.400	5.66E-09	0.001	0.002	0.614	0.009	33.930	TRUE	9.42E-09
FEV1FVC	BRSK2	cg09790617	rs34666042	T	C	0.213	0.032	0.164	1.30E-11	0.004	0.003	0.203	0.012	45.796	TRUE	4.14E-11
FEV1FVC	BRSK2	cg09790617	rs3793964	T	C	-0.195	0.024	0.368	7.93E-16	-0.002	0.003	0.416	0.017	64.852	TRUE	2.47E-15
FEV1FVC	BRSK2	cg09790617	rs7395006	C	T	0.168	0.024	0.387	5.14E-12	0.002	0.002	0.448	0.013	47.606	TRUE	1.23E-11
FEV1FVC	BRSK2	cg09790617	rs7395567	T	C	0.570	0.026	0.266	1.09E-106	-0.002	0.003	0.468	0.115	481.091	TRUE	8.18E-101
FEV1FVC	BRSK2	cg10026995	rs1038727	A	G	0.189	0.029	0.201	1.14E-10	-0.007	0.003	0.015	0.011	41.536	TRUE	6.91E-10
FEV1FVC	BRSK2	cg10026995	rs11028763	C	T	-0.457	0.024	0.359	5.37E-81	0.007	0.003	0.006	0.089	363.105	TRUE	1.14E-75
FEV1FVC	BRSK2	cg10026995	rs113773442	G	C	-0.302	0.037	0.113	4.23E-16	0.003	0.004	0.459	0.018	66.091	TRUE	1.27E-15
FEV1FVC	BRSK2	cg10026995	rs11599943	T	C	0.540	0.066	0.031	3.75E-16	-0.001	0.007	0.892	0.018	66.330	TRUE	7.10E-16
FEV1FVC	BRSK2	cg10026995	rs34666042	T	C	0.260	0.032	0.164	1.64E-16	0.004	0.003	0.203	0.018	67.952	TRUE	7.83E-16
FEV1FVC	BRSK2	cg10026995	rs3793964	T	C	-0.235	0.024	0.368	2.78E-22	-0.002	0.003	0.416	0.025	94.203	TRUE	1.39E-21
FEV1FVC	BRSK2	cg10026995	rs6578412	T	C	-0.524	0.070	0.052	7.84E-14	0.001	0.005	0.820	0.015	55.816	TRUE	1.41E-13
FEV1FVC	BRSK2	cg10026995	rs66658795	T	C	-0.192	0.024	0.445	3.94E-16	0.002	0.002	0.340	0.018	66.229	TRUE	1.42E-15

FEV1FVC	BRSK2	cg10026995	rs72847985	A	G	0.215	0.033	0.146	6.79E-11	-0.004	0.003	0.196	0.011	42.555	TRUE	2.03E-10
FEV1FVC	BRSK2	cg10026995	rs7395006	C	T	0.234	0.024	0.387	5.62E-22	0.002	0.002	0.448	0.024	92.807	TRUE	2.73E-21
FEV1FVC	BRSK2	cg10026995	rs7395567	T	C	0.773	0.025	0.266	9.94E-207	-0.002	0.003	0.468	0.203	940.867	TRUE	1.16E-188
FEV1FVC	BRSK2	cg10026995	rs7482040	C	T	0.497	0.061	0.045	2.14E-16	0.009	0.006	0.142	0.018	67.431	TRUE	1.18E-15
FEV1FVC	BRSK2	cg10026995	rs77338313	A	G	0.731	0.101	0.031	5.58E-13	-0.013	0.008	0.108	0.014	51.961	TRUE	2.48E-12
FEV1FVC	BRSK2	cg10026995	rs79956640	G	A	-0.559	0.082	0.022	1.22E-11	0.010	0.008	0.170	0.012	45.918	TRUE	4.14E-11
FEV1FVC	BRSK2	cg10026995	rs9651637	G	A	-0.258	0.026	0.284	4.00E-23	0.002	0.003	0.534	0.026	98.038	TRUE	1.80E-22
FEV1FVC	BRSK2	cg10107466	rs11023856	T	C	0.149	0.026	0.303	5.55E-09	-0.001	0.003	0.641	0.009	33.967	TRUE	9.05E-09
FEV1FVC	BRSK2	cg10107466	rs112066837	C	T	0.299	0.024	0.360	4.20E-36	-0.002	0.003	0.506	0.041	157.309	TRUE	5.97E-35
FEV1FVC	BRSK2	cg10107466	rs112544636	T	C	-0.193	0.026	0.260	2.39E-13	-0.002	0.003	0.548	0.014	53.626	TRUE	5.43E-13
FEV1FVC	BRSK2	cg10107466	rs11604075	T	C	0.182	0.025	0.285	7.37E-13	-0.006	0.003	0.016	0.014	51.414	TRUE	5.65E-12
FEV1FVC	BRSK2	cg10355759	rs11604075	T	C	-0.257	0.026	0.285	1.55E-23	-0.006	0.003	0.016	0.026	99.912	TRUE	3.96E-22
FEV1FVC	BRSK2	cg10355759	rs117107041	A	G	-0.436	0.051	0.053	1.42E-17	-0.004	0.005	0.401	0.019	72.774	TRUE	5.19E-17
FEV1FVC	BRSK2	cg10355759	rs1881506	T	C	0.215	0.029	0.209	2.48E-13	0.005	0.003	0.114	0.014	53.553	TRUE	1.11E-12
FEV1FVC	BRSK2	cg10355759	rs2334657	C	T	0.143	0.024	0.400	2.99E-09	0.001	0.002	0.614	0.009	35.174	TRUE	5.05E-09
FEV1FVC	BRSK2	cg10355759	rs34666042	T	C	-0.197	0.032	0.164	3.80E-10	0.004	0.003	0.203	0.010	39.190	TRUE	1.08E-09
FEV1FVC	BRSK2	cg10355759	rs3793964	T	C	0.268	0.024	0.368	1.16E-28	-0.002	0.003	0.416	0.032	123.291	TRUE	9.86E-28
FEV1FVC	BRSK2	cg10355759	rs7395006	C	T	-0.276	0.024	0.387	4.08E-30	0.002	0.002	0.448	0.034	129.939	TRUE	3.89E-29
FEV1FVC	BRSK2	cg10355759	rs7395567	T	C	-0.703	0.025	0.266	1.37E-168	-0.002	0.003	0.468	0.171	765.534	TRUE	6.92E-156
FEV1FVC	BRSK2	cg10490888	rs12788273	A	G	0.286	0.026	0.277	7.10E-28	0.001	0.003	0.778	0.031	119.705	TRUE	3.29E-27
FEV1FVC	BRSK2	cg10590925	rs10734285	A	C	-0.223	0.031	0.172	9.13E-13	0.003	0.003	0.316	0.014	50.996	TRUE	2.64E-12
FEV1FVC	BRSK2	cg10590925	rs11029917	T	C	-0.282	0.037	0.116	2.75E-14	0.005	0.004	0.221	0.015	57.877	TRUE	1.04E-13
FEV1FVC	BRSK2	cg10590925	rs11039094	C	G	0.219	0.036	0.116	1.27E-09	0.008	0.004	0.019	0.010	36.843	TRUE	6.33E-09
FEV1FVC	BRSK2	cg10590925	rs11603080	A	C	0.391	0.054	0.048	4.90E-13	0.013	0.006	0.019	0.014	52.217	TRUE	3.59E-12
FEV1FVC	BRSK2	cg10590925	rs11604075	T	C	0.486	0.025	0.285	2.09E-82	-0.006	0.003	0.016	0.091	369.583	TRUE	3.41E-77
FEV1FVC	BRSK2	cg10590925	rs117107041	A	G	0.606	0.051	0.053	1.98E-32	-0.004	0.005	0.401	0.037	140.517	TRUE	2.47E-31
FEV1FVC	BRSK2	cg10590925	rs12282543	G	A	-0.336	0.028	0.221	3.11E-32	0.006	0.003	0.035	0.036	139.618	TRUE	1.55E-30
FEV1FVC	BRSK2	cg10590925	rs12806189	C	G	-0.285	0.046	0.073	3.69E-10	0.007	0.005	0.104	0.010	39.249	TRUE	1.29E-09
FEV1FVC	BRSK2	cg10590925	rs145553613	C	T	0.894	0.106	0.031	3.99E-17	-0.003	0.009	0.712	0.019	70.745	TRUE	9.60E-17
FEV1FVC	BRSK2	cg10590925	rs28386994	T	A	-0.271	0.029	0.206	4.51E-21	0.006	0.003	0.061	0.023	88.687	TRUE	5.47E-20
FEV1FVC	BRSK2	cg10590925	rs34666042	T	C	0.355	0.031	0.164	1.21E-29	0.004	0.003	0.203	0.033	127.774	TRUE	1.88E-28
FEV1FVC	BRSK2	cg10590925	rs3793964	T	C	-0.379	0.024	0.368	2.69E-56	-0.002	0.003	0.416	0.063	249.796	TRUE	4.60E-54
FEV1FVC	BRSK2	cg10590925	rs4255564	C	T	1.173	0.018	0.260	<1E-200	-0.001	0.003	0.713	0.525	4092.344	TRUE	<1E-200
FEV1FVC	BRSK2	cg10590925	rs540448667	G	C	-0.426	0.068	0.033	3.49E-10	0.012	0.007	0.072	0.011	39.355	TRUE	1.34E-09
FEV1FVC	BRSK2	cg10590925	rs5743915	A	G	0.206	0.024	0.415	3.63E-18	-0.004	0.002	0.145	0.020	75.471	TRUE	2.30E-17
FEV1FVC	BRSK2	cg10590925	rs66496921	C	G	-0.179	0.024	0.405	1.35E-13	0.001	0.002	0.641	0.015	54.741	TRUE	2.84E-13
FEV1FVC	BRSK2	cg10590925	rs7395006	C	T	0.358	0.024	0.387	4.35E-50	0.002	0.002	0.448	0.056	221.336	TRUE	3.37E-48
FEV1FVC	BRSK2	cg10590925	rs77338313	A	G	0.988	0.101	0.031	1.04E-22	-0.013	0.008	0.108	0.025	96.153	TRUE	1.13E-21
FEV1FVC	BRSK2	cg10590925	rs79646282	T	C	0.711	0.097	0.038	2.42E-13	-0.016	0.006	0.011	0.014	53.602	TRUE	2.14E-12
FEV1FVC	BRSK2	cg11022513	rs112066837	C	T	0.242	0.024	0.360	4.94E-24	-0.002	0.003	0.506	0.027	102.178	TRUE	2.47E-23
FEV1FVC	BRSK2	cg11022513	rs143851582	T	C	0.527	0.069	0.028	3.05E-14	0.004	0.007	0.567	0.015	57.668	TRUE	7.20E-14
FEV1FVC	BRSK2	cg11254847	rs7102279	T	C	-0.199	0.028	0.238	4.94E-13	0.002	0.003	0.539	0.014	52.201	TRUE	1.11E-12

FEV1FVC	BRSK2	cg11307363	rs10766272	T	C	0.495	0.061	0.046	6.05E-16	0.008	0.006	0.160	0.017	65.385	TRUE	3.01E-15
FEV1FVC	BRSK2	cg11307363	rs10837858	A	G	0.319	0.053	0.051	1.77E-09	0.009	0.005	0.090	0.010	36.195	TRUE	6.09E-09
FEV1FVC	BRSK2	cg11307363	rs111886352	G	C	-0.224	0.038	0.117	3.87E-09	0.000	0.004	0.995	0.009	34.667	TRUE	4.89E-09
FEV1FVC	BRSK2	cg11307363	rs117107041	A	G	0.567	0.051	0.053	1.31E-28	-0.004	0.005	0.401	0.032	123.053	TRUE	1.16E-27
FEV1FVC	BRSK2	cg11307363	rs117431642	T	C	0.747	0.109	0.026	7.57E-12	-0.017	0.008	0.030	0.013	46.850	TRUE	4.40E-11
FEV1FVC	BRSK2	cg11307363	rs12360952	T	C	0.199	0.035	0.305	1.99E-08	0.006	0.003	0.024	0.008	31.486	TRUE	8.13E-08
FEV1FVC	BRSK2	cg11307363	rs12808343	G	A	-0.178	0.028	0.235	2.59E-10	0.006	0.003	0.038	0.011	39.937	TRUE	1.23E-09
FEV1FVC	BRSK2	cg11307363	rs151218125	T	C	-0.337	0.055	0.049	8.20E-10	-0.002	0.006	0.756	0.010	37.693	TRUE	1.28E-09
FEV1FVC	BRSK2	cg11307363	rs2735703	G	A	0.234	0.041	0.092	1.02E-08	-0.001	0.004	0.818	0.009	32.776	TRUE	1.44E-08
FEV1FVC	BRSK2	cg11307363	rs34666042	T	C	0.262	0.032	0.164	1.05E-16	0.004	0.003	0.203	0.018	68.837	TRUE	5.08E-16
FEV1FVC	BRSK2	cg11307363	rs4255564	C	T	0.938	0.023	0.260	<1E-200	-0.001	0.003	0.713	0.311	1673.425	TRUE	<1E-200
FEV1FVC	BRSK2	cg11307363	rs55813014	C	T	-0.335	0.023	0.473	6.81E-47	0.001	0.002	0.712	0.053	206.699	TRUE	2.06E-45
FEV1FVC	BRSK2	cg11307363	rs60707923	A	G	-0.322	0.027	0.260	8.83E-34	-0.004	0.003	0.108	0.038	146.686	TRUE	3.08E-32
FEV1FVC	BRSK2	cg11307363	rs66658795	T	C	-0.272	0.023	0.445	4.83E-31	0.002	0.002	0.340	0.035	134.170	TRUE	6.02E-30
FEV1FVC	BRSK2	cg11307363	rs7395006	C	T	0.323	0.024	0.387	9.72E-41	0.002	0.002	0.448	0.046	178.519	TRUE	2.61E-39
FEV1FVC	BRSK2	cg11307363	rs74542903	T	C	-0.206	0.036	0.118	1.40E-08	-0.001	0.004	0.837	0.009	32.173	TRUE	1.93E-08
FEV1FVC	BRSK2	cg11307363	rs79646282	T	C	0.598	0.097	0.038	8.24E-10	-0.016	0.006	0.011	0.010	37.682	TRUE	4.78E-09
FEV1FVC	BRSK2	cg11661000	rs10835060	T	G	0.248	0.029	0.193	3.45E-17	0.006	0.003	0.035	0.019	71.029	TRUE	3.43E-16
FEV1FVC	BRSK2	cg11661000	rs112708029	G	T	0.262	0.037	0.112	1.22E-12	0.002	0.004	0.513	0.013	50.426	TRUE	2.76E-12
FEV1FVC	BRSK2	cg11661000	rs11603080	A	C	-0.404	0.054	0.048	7.23E-14	0.013	0.006	0.019	0.015	55.974	TRUE	5.81E-13
FEV1FVC	BRSK2	cg11661000	rs11606628	T	C	-0.305	0.026	0.278	9.75E-32	-0.005	0.003	0.048	0.036	137.348	TRUE	3.93E-30
FEV1FVC	BRSK2	cg11661000	rs117107041	A	G	-0.597	0.051	0.053	1.76E-31	-0.004	0.005	0.401	0.036	136.173	TRUE	2.01E-30
FEV1FVC	BRSK2	cg11661000	rs12808343	G	A	0.224	0.028	0.235	1.95E-15	0.006	0.003	0.038	0.017	63.081	TRUE	1.58E-14
FEV1FVC	BRSK2	cg11661000	rs145553613	C	T	-0.752	0.107	0.031	1.77E-12	-0.003	0.009	0.712	0.013	49.694	TRUE	3.28E-12
FEV1FVC	BRSK2	cg11661000	rs2334657	C	T	0.290	0.024	0.400	2.46E-33	0.001	0.002	0.614	0.038	144.653	TRUE	2.26E-32
FEV1FVC	BRSK2	cg11661000	rs34666042	T	C	-0.344	0.031	0.164	8.00E-28	0.004	0.003	0.203	0.031	119.470	TRUE	1.04E-26
FEV1FVC	BRSK2	cg11661000	rs3793964	T	C	0.411	0.024	0.368	2.76E-66	-0.002	0.003	0.416	0.074	295.603	TRUE	1.89E-63
FEV1FVC	BRSK2	cg11661000	rs4255564	C	T	-1.145	0.019	0.260	<1E-200	-0.001	0.003	0.713	0.499	3687.225	TRUE	<1E-200
FEV1FVC	BRSK2	cg11661000	rs4963039	T	C	-0.665	0.060	0.044	3.01E-28	0.010	0.006	0.101	0.032	121.408	TRUE	5.90E-27
FEV1FVC	BRSK2	cg11661000	rs60707923	A	G	0.169	0.027	0.260	2.89E-10	-0.004	0.003	0.108	0.011	39.727	TRUE	1.02E-09
FEV1FVC	BRSK2	cg11661000	rs66658795	T	C	0.336	0.023	0.445	5.43E-47	0.002	0.002	0.340	0.053	207.152	TRUE	3.66E-45
FEV1FVC	BRSK2	cg11661000	rs7395006	C	T	-0.350	0.024	0.387	8.34E-48	0.002	0.002	0.448	0.054	210.879	TRUE	4.93E-46
FEV1FVC	BRSK2	cg11661000	rs77338313	A	G	-0.813	0.101	0.031	8.85E-16	-0.013	0.008	0.108	0.017	64.635	TRUE	5.07E-15
FEV1FVC	BRSK2	cg11661000	rs868903	T	C	0.227	0.032	0.473	1.21E-12	0.001	0.003	0.733	0.013	50.439	TRUE	2.23E-12
FEV1FVC	BRSK2	cg11724511	rs10833730	C	A	0.160	0.028	0.242	6.97E-09	0.001	0.003	0.613	0.009	33.526	TRUE	1.15E-08
FEV1FVC	BRSK2	cg11724511	rs117266612	A	G	-0.453	0.072	0.027	2.48E-10	0.004	0.007	0.555	0.011	40.024	TRUE	4.73E-10
FEV1FVC	BRSK2	cg11724511	rs7122936	C	A	-0.211	0.024	0.407	5.57E-19	0.002	0.002	0.475	0.021	79.170	TRUE	2.01E-18
FEV1FVC	BRSK2	cg11724511	rs7395567	T	C	0.327	0.026	0.266	3.10E-35	-0.002	0.003	0.468	0.040	153.336	TRUE	4.31E-34
FEV1FVC	BRSK2	cg11772193	rs12788273	A	G	0.208	0.026	0.277	1.19E-15	0.001	0.003	0.778	0.017	64.050	TRUE	2.47E-15
FEV1FVC	BRSK2	cg12064373	rs10837407	T	C	-0.217	0.026	0.313	2.54E-17	0.006	0.003	0.029	0.019	71.636	TRUE	2.60E-16
FEV1FVC	BRSK2	cg12064373	rs10837856	T	G	0.388	0.053	0.051	2.26E-13	0.009	0.005	0.083	0.014	53.733	TRUE	1.16E-12
FEV1FVC	BRSK2	cg12064373	rs10839220	A	C	0.130	0.024	0.489	3.29E-08	0.002	0.002	0.460	0.008	30.514	TRUE	6.01E-08

FEV1FVC	BRSK2	cg12064373	rs111886352	G	C	-0.344	0.038	0.117	1.10E-19	0.000	0.004	0.995	0.022	82.370	TRUE	2.26E-19
FEV1FVC	BRSK2	cg12064373	rs11604757	T	C	0.208	0.036	0.118	1.03E-08	0.006	0.004	0.101	0.009	32.769	TRUE	3.16E-08
FEV1FVC	BRSK2	cg12064373	rs11606628	T	C	0.301	0.026	0.278	4.12E-31	-0.005	0.003	0.048	0.035	134.486	TRUE	1.55E-29
FEV1FVC	BRSK2	cg12064373	rs117107041	A	G	0.626	0.051	0.053	1.33E-34	-0.004	0.005	0.401	0.039	150.444	TRUE	2.04E-33
FEV1FVC	BRSK2	cg12064373	rs117926221	T	G	-0.376	0.064	0.090	4.51E-09	-0.004	0.005	0.364	0.009	34.373	TRUE	9.53E-09
FEV1FVC	BRSK2	cg12064373	rs12575817	T	C	-0.310	0.050	0.060	6.68E-10	0.003	0.005	0.493	0.010	38.091	TRUE	1.30E-09
FEV1FVC	BRSK2	cg12064373	rs181332597	T	C	0.625	0.100	0.036	4.85E-10	0.002	0.007	0.826	0.010	38.716	TRUE	7.21E-10
FEV1FVC	BRSK2	cg12064373	rs2735703	G	A	0.290	0.041	0.092	1.40E-12	-0.001	0.004	0.818	0.013	50.163	TRUE	2.35E-12
FEV1FVC	BRSK2	cg12064373	rs34666042	T	C	0.348	0.031	0.164	1.69E-28	0.004	0.003	0.203	0.032	122.555	TRUE	2.33E-27
FEV1FVC	BRSK2	cg12064373	rs4255564	C	T	1.184	0.018	0.260	<1E-200	-0.001	0.003	0.713	0.536	4278.709	TRUE	<1E-200
FEV1FVC	BRSK2	cg12064373	rs4881747	T	C	-0.332	0.059	0.042	1.65E-08	0.012	0.006	0.040	0.009	31.856	TRUE	6.26E-08
FEV1FVC	BRSK2	cg12064373	rs60707923	A	G	-0.180	0.027	0.260	1.71E-11	-0.004	0.003	0.108	0.012	45.250	TRUE	6.78E-11
FEV1FVC	BRSK2	cg12064373	rs66658795	T	C	-0.345	0.023	0.445	1.59E-49	0.002	0.002	0.340	0.056	218.761	TRUE	1.45E-47
FEV1FVC	BRSK2	cg12064373	rs7118474	G	A	-0.172	0.030	0.194	1.06E-08	0.002	0.003	0.566	0.009	32.702	TRUE	1.81E-08
FEV1FVC	BRSK2	cg12064373	rs7395006	C	T	0.320	0.024	0.387	4.10E-40	0.002	0.002	0.448	0.045	175.658	TRUE	1.03E-38
FEV1FVC	BRSK2	cg12064373	rs74542903	T	C	-0.245	0.036	0.118	1.50E-11	-0.001	0.004	0.837	0.012	45.515	TRUE	2.35E-11
FEV1FVC	BRSK2	cg12064373	rs77338313	A	G	0.910	0.101	0.031	1.86E-19	-0.013	0.008	0.108	0.022	81.335	TRUE	1.49E-18
FEV1FVC	BRSK2	cg12064373	rs80138399	A	G	-0.258	0.046	0.076	2.08E-08	0.007	0.005	0.114	0.008	31.405	TRUE	6.07E-08
FEV1FVC	BRSK2	cg12064373	rs868903	T	C	-0.212	0.032	0.473	3.22E-11	0.001	0.003	0.733	0.012	44.018	TRUE	5.49E-11
FEV1FVC	BRSK2	cg12186219	rs10734285	A	C	-0.238	0.031	0.172	2.77E-14	0.003	0.003	0.316	0.015	57.862	TRUE	8.96E-14
FEV1FVC	BRSK2	cg12186219	rs10766272	T	C	0.720	0.061	0.046	3.19E-32	0.008	0.006	0.160	0.036	139.566	TRUE	7.27E-31
FEV1FVC	BRSK2	cg12186219	rs11039094	C	G	0.216	0.036	0.116	2.13E-09	0.008	0.004	0.019	0.010	35.830	TRUE	1.04E-08
FEV1FVC	BRSK2	cg12186219	rs11603080	A	C	0.399	0.054	0.048	1.59E-13	0.013	0.006	0.019	0.015	54.430	TRUE	1.23E-12
FEV1FVC	BRSK2	cg12186219	rs11604075	T	C	0.431	0.025	0.285	2.79E-64	-0.006	0.003	0.016	0.072	286.403	TRUE	1.87E-60
FEV1FVC	BRSK2	cg12186219	rs11604757	T	C	0.208	0.036	0.118	9.75E-09	0.006	0.004	0.101	0.009	32.874	TRUE	3.00E-08
FEV1FVC	BRSK2	cg12186219	rs117107041	A	G	0.589	0.051	0.053	9.80E-31	-0.004	0.005	0.401	0.035	132.769	TRUE	1.05E-29
FEV1FVC	BRSK2	cg12186219	rs117654829	T	A	0.872	0.098	0.038	4.26E-19	0.002	0.007	0.826	0.021	79.701	TRUE	1.02E-18
FEV1FVC	BRSK2	cg12186219	rs28386994	T	A	-0.264	0.029	0.206	4.26E-20	0.006	0.003	0.061	0.022	84.251	TRUE	4.68E-19
FEV1FVC	BRSK2	cg12186219	rs28672782	T	C	-0.313	0.031	0.184	1.73E-24	0.006	0.003	0.063	0.027	104.250	TRUE	2.82E-23
FEV1FVC	BRSK2	cg12186219	rs34666042	T	C	0.346	0.031	0.164	4.15E-28	0.004	0.003	0.203	0.032	120.770	TRUE	5.53E-27
FEV1FVC	BRSK2	cg12186219	rs3793964	T	C	-0.405	0.024	0.368	2.55E-64	-0.002	0.003	0.416	0.072	286.590	TRUE	1.31E-61
FEV1FVC	BRSK2	cg12186219	rs4255564	C	T	1.190	0.018	0.260	<1E-200	-0.001	0.003	0.713	0.541	4351.364	TRUE	<1E-200
FEV1FVC	BRSK2	cg12186219	rs4881724	A	G	-0.260	0.037	0.116	2.00E-12	0.004	0.004	0.266	0.013	49.458	TRUE	6.08E-12
FEV1FVC	BRSK2	cg12186219	rs5743915	A	G	0.202	0.024	0.415	1.74E-17	-0.004	0.002	0.145	0.019	72.386	TRUE	1.03E-16
FEV1FVC	BRSK2	cg12186219	rs66496921	C	G	-0.202	0.024	0.405	4.99E-17	0.001	0.002	0.641	0.019	70.302	TRUE	1.29E-16
FEV1FVC	BRSK2	cg12186219	rs7395006	C	T	0.362	0.024	0.387	3.58E-51	0.002	0.002	0.448	0.058	226.307	TRUE	3.17E-49
FEV1FVC	BRSK2	cg12186219	rs77338313	A	G	0.997	0.101	0.031	3.96E-23	-0.013	0.008	0.108	0.026	98.057	TRUE	4.49E-22
FEV1FVC	BRSK2	cg12405684	rs12787736	T	C	-0.182	0.031	0.156	6.99E-09	0.003	0.003	0.362	0.009	33.519	TRUE	1.46E-08
FEV1FVC	BRSK2	cg12405684	rs4255564	C	T	0.287	0.026	0.260	8.63E-28	-0.001	0.003	0.713	0.031	119.319	TRUE	4.34E-27
FEV1FVC	BRSK2	cg13338306	rs111163743	C	T	0.138	0.024	0.363	1.21E-08	-0.002	0.003	0.414	0.009	32.460	TRUE	2.34E-08
FEV1FVC	BRSK2	cg13338306	rs117356396	T	C	0.468	0.071	0.027	4.78E-11	0.004	0.007	0.568	0.012	43.243	TRUE	9.31E-11
FEV1FVC	BRSK2	cg13338306	rs7105864	T	C	0.155	0.026	0.293	3.37E-09	0.006	0.003	0.027	0.009	34.936	TRUE	1.51E-08

FEV1FVC	BRSK2	cg13880458	rs11028763	C	T	-0.242	0.024	0.359	3.22E-23	0.007	0.003	0.006	0.026	98.466	TRUE	1.04E-21
FEV1FVC	BRSK2	cg13880458	rs117107041	A	G	0.291	0.051	0.053	1.51E-08	-0.004	0.005	0.401	0.009	32.025	TRUE	2.96E-08
FEV1FVC	BRSK2	cg13880458	rs3793964	T	C	-0.142	0.024	0.368	5.78E-09	-0.002	0.003	0.416	0.009	33.889	TRUE	1.14E-08
FEV1FVC	BRSK2	cg13880458	rs56079025	A	G	0.329	0.053	0.106	5.04E-10	0.010	0.004	0.010	0.010	38.641	TRUE	3.11E-09
FEV1FVC	BRSK2	cg13880458	rs66658795	T	C	-0.179	0.024	0.445	3.10E-14	0.002	0.002	0.340	0.015	57.639	TRUE	9.70E-14
FEV1FVC	BRSK2	cg13880458	rs7395006	C	T	0.153	0.024	0.387	3.66E-10	0.002	0.002	0.448	0.011	39.266	TRUE	7.75E-10
FEV1FVC	BRSK2	cg13880458	rs7395567	T	C	0.459	0.026	0.266	2.57E-68	-0.002	0.003	0.468	0.076	304.919	TRUE	2.03E-65
FEV1FVC	BRSK2	cg13880458	rs79646282	T	C	0.587	0.097	0.038	1.72E-09	-0.016	0.006	0.011	0.010	36.247	TRUE	9.59E-09
FEV1FVC	BRSK2	cg14021073	rs4255564	C	T	-0.326	0.027	0.260	1.06E-34	-0.001	0.003	0.713	0.039	150.896	TRUE	9.48E-34
FEV1FVC	BRSK2	cg14021073	rs4881744	G	A	0.158	0.029	0.217	4.38E-08	0.004	0.003	0.174	0.008	29.957	TRUE	1.11E-07
FEV1FVC	BRSK2	cg14064268	rs10734285	A	C	-0.227	0.031	0.172	4.22E-13	0.003	0.003	0.316	0.014	52.509	TRUE	1.25E-12
FEV1FVC	BRSK2	cg14064268	rs11039094	C	G	0.204	0.036	0.116	1.53E-08	0.008	0.004	0.019	0.009	31.998	TRUE	6.72E-08
FEV1FVC	BRSK2	cg14064268	rs113773442	G	C	-0.276	0.037	0.113	1.08E-13	0.003	0.004	0.459	0.015	55.189	TRUE	2.76E-13
FEV1FVC	BRSK2	cg14064268	rs11603080	A	C	0.385	0.054	0.048	9.93E-13	0.013	0.006	0.019	0.014	50.831	TRUE	7.03E-12
FEV1FVC	BRSK2	cg14064268	rs11604075	T	C	0.458	0.025	0.285	4.22E-73	-0.006	0.003	0.016	0.081	326.875	TRUE	1.26E-68
FEV1FVC	BRSK2	cg14064268	rs117107041	A	G	0.569	0.051	0.053	1.04E-28	-0.004	0.005	0.401	0.032	123.508	TRUE	9.29E-28
FEV1FVC	BRSK2	cg14064268	rs145553613	C	T	0.840	0.106	0.031	2.89E-15	-0.003	0.009	0.712	0.017	62.303	TRUE	6.25E-15
FEV1FVC	BRSK2	cg14064268	rs28386994	T	A	-0.274	0.029	0.206	1.44E-21	0.006	0.003	0.061	0.024	90.944	TRUE	1.84E-20
FEV1FVC	BRSK2	cg14064268	rs28672782	T	C	-0.305	0.031	0.184	2.31E-23	0.006	0.003	0.063	0.026	99.126	TRUE	3.34E-22
FEV1FVC	BRSK2	cg14064268	rs34666042	T	C	0.319	0.031	0.164	3.37E-24	0.004	0.003	0.203	0.027	102.931	TRUE	3.12E-23
FEV1FVC	BRSK2	cg14064268	rs3793964	T	C	-0.367	0.024	0.368	9.79E-53	-0.002	0.003	0.416	0.059	233.470	TRUE	1.06E-50
FEV1FVC	BRSK2	cg14064268	rs4255564	C	T	1.107	0.019	0.260	<1E-200	-0.001	0.003	0.713	0.466	3229.440	TRUE	<1E-200
FEV1FVC	BRSK2	cg14064268	rs5743915	A	G	0.199	0.024	0.415	4.84E-17	-0.004	0.002	0.145	0.019	70.361	TRUE	2.78E-16
FEV1FVC	BRSK2	cg14064268	rs66496921	C	G	-0.157	0.024	0.405	8.01E-11	0.001	0.002	0.641	0.011	42.232	TRUE	1.44E-10
FEV1FVC	BRSK2	cg14064268	rs7395006	C	T	0.336	0.024	0.387	6.55E-44	0.002	0.002	0.448	0.050	193.040	TRUE	2.48E-42
FEV1FVC	BRSK2	cg14064268	rs77338313	A	G	0.956	0.101	0.031	2.47E-21	-0.013	0.008	0.108	0.024	89.878	TRUE	2.36E-20
FEV1FVC	BRSK2	cg14064268	rs79646282	T	C	0.609	0.097	0.038	4.09E-10	-0.016	0.006	0.011	0.010	39.050	TRUE	2.46E-09
FEV1FVC	BRSK2	cg14306344	rs7395567	T	C	0.198	0.026	0.266	4.97E-14	-0.002	0.003	0.468	0.015	56.711	TRUE	1.28E-13
FEV1FVC	BRSK2	cg14621221	rs10832803	T	C	-0.229	0.033	0.159	3.45E-12	0.003	0.003	0.396	0.013	48.388	TRUE	8.67E-12
FEV1FVC	BRSK2	cg14621221	rs11035302	C	A	-0.275	0.025	0.313	3.27E-27	0.005	0.003	0.052	0.031	116.680	TRUE	7.68E-26
FEV1FVC	BRSK2	cg14621221	rs11608241	T	C	0.536	0.092	0.019	4.94E-09	-0.003	0.009	0.727	0.009	34.196	TRUE	7.57E-09
FEV1FVC	BRSK2	cg14621221	rs143524208	C	T	0.226	0.038	0.103	4.32E-09	-0.001	0.004	0.874	0.009	34.455	TRUE	5.93E-09
FEV1FVC	BRSK2	cg14621221	rs2735733	T	C	-0.224	0.024	0.446	2.57E-21	-0.002	0.002	0.534	0.024	89.803	TRUE	1.02E-20
FEV1FVC	BRSK2	cg14621221	rs34664315	A	G	0.192	0.028	0.211	1.09E-11	0.005	0.003	0.070	0.012	46.127	TRUE	4.92E-11
FEV1FVC	BRSK2	cg14621221	rs4312093	A	G	-0.297	0.031	0.176	1.11E-21	0.003	0.003	0.362	0.024	91.458	TRUE	5.83E-21
FEV1FVC	BRSK2	cg14621221	rs61869029	A	G	0.299	0.039	0.221	1.02E-14	-0.006	0.003	0.053	0.016	59.831	TRUE	6.58E-14
FEV1FVC	BRSK2	cg14621221	rs7105864	T	C	0.148	0.026	0.293	2.02E-08	0.006	0.003	0.027	0.008	31.453	TRUE	8.30E-08
FEV1FVC	BRSK2	cg14621221	rs7395567	T	C	0.676	0.026	0.266	3.74E-154	-0.002	0.003	0.468	0.159	699.176	TRUE	2.96E-143
FEV1FVC	BRSK2	cg14621221	rs74046935	G	A	-0.294	0.026	0.297	9.54E-31	-0.002	0.003	0.407	0.035	132.821	TRUE	9.81E-30
FEV1FVC	BRSK2	cg14621221	rs7482040	C	T	0.492	0.061	0.045	4.68E-16	0.009	0.006	0.142	0.018	65.890	TRUE	2.49E-15
FEV1FVC	BRSK2	cg14621221	rs77338313	A	G	0.673	0.101	0.031	3.32E-11	-0.013	0.008	0.108	0.012	43.957	TRUE	1.26E-10
FEV1FVC	BRSK2	cg15411034	rs10832574	T	C	0.231	0.024	0.390	1.96E-21	0.001	0.002	0.611	0.024	90.338	TRUE	7.00E-21

FEV1FVC	BRSK2	cg15411034	rs11599943	T	C	0.566	0.066	0.031	1.33E-17	-0.001	0.007	0.892	0.019	72.907	TRUE	2.73E-17
FEV1FVC	BRSK2	cg15411034	rs11604075	T	C	0.267	0.026	0.285	2.71E-25	-0.006	0.003	0.016	0.028	107.921	TRUE	8.48E-24
FEV1FVC	BRSK2	cg15411034	rs117431642	T	C	0.765	0.109	0.026	2.42E-12	-0.017	0.008	0.030	0.013	49.087	TRUE	1.48E-11
FEV1FVC	BRSK2	cg15411034	rs145553613	C	T	0.713	0.107	0.031	2.36E-11	-0.003	0.009	0.712	0.012	44.622	TRUE	4.11E-11
FEV1FVC	BRSK2	cg15411034	rs1574122	T	C	-0.224	0.030	0.187	5.95E-14	0.006	0.003	0.054	0.015	56.357	TRUE	3.74E-13
FEV1FVC	BRSK2	cg15411034	rs34666042	T	C	0.252	0.032	0.164	1.41E-15	0.004	0.003	0.203	0.017	63.719	TRUE	6.22E-15
FEV1FVC	BRSK2	cg15411034	rs55813014	C	T	-0.291	0.023	0.473	1.23E-35	0.001	0.002	0.712	0.040	155.172	TRUE	1.20E-34
FEV1FVC	BRSK2	cg15411034	rs7395567	T	C	0.829	0.025	0.266	5.39E-243	-0.002	0.003	0.468	0.230	1107.624	TRUE	4.60E-219
FEV1FVC	BRSK2	cg15465743	rs1021342	C	T	0.294	0.044	0.079	1.53E-11	0.002	0.005	0.623	0.012	45.476	TRUE	2.91E-11
FEV1FVC	BRSK2	cg15465743	rs10734285	A	C	0.220	0.031	0.172	1.98E-12	0.003	0.003	0.316	0.013	49.478	TRUE	5.59E-12
FEV1FVC	BRSK2	cg15465743	rs10832574	T	C	-0.363	0.024	0.390	2.73E-51	0.001	0.002	0.611	0.058	226.850	TRUE	1.62E-49
FEV1FVC	BRSK2	cg15465743	rs10837856	T	G	-0.397	0.053	0.051	6.07E-14	0.009	0.005	0.083	0.015	56.319	TRUE	3.27E-13
FEV1FVC	BRSK2	cg15465743	rs11604075	T	C	-0.374	0.026	0.285	1.93E-48	-0.006	0.003	0.016	0.055	213.787	TRUE	1.15E-45
FEV1FVC	BRSK2	cg15465743	rs117107041	A	G	-0.635	0.051	0.053	1.54E-35	-0.004	0.005	0.401	0.040	154.724	TRUE	2.60E-34
FEV1FVC	BRSK2	cg15465743	rs12575817	T	C	0.328	0.050	0.060	6.14E-11	0.003	0.005	0.493	0.011	42.753	TRUE	1.27E-10
FEV1FVC	BRSK2	cg15465743	rs138604115	T	C	0.297	0.053	0.049	2.28E-08	0.000	0.006	0.982	0.008	31.223	TRUE	2.83E-08
FEV1FVC	BRSK2	cg15465743	rs145553613	C	T	-0.933	0.106	0.031	1.43E-18	-0.003	0.009	0.712	0.020	77.316	TRUE	3.75E-18
FEV1FVC	BRSK2	cg15465743	rs28386994	T	A	0.260	0.029	0.206	1.75E-19	0.006	0.003	0.061	0.022	81.454	TRUE	1.81E-18
FEV1FVC	BRSK2	cg15465743	rs28672782	T	C	0.302	0.031	0.184	7.16E-23	0.006	0.003	0.063	0.026	96.884	TRUE	9.87E-22
FEV1FVC	BRSK2	cg15465743	rs34666042	T	C	-0.350	0.031	0.164	6.79E-29	0.004	0.003	0.203	0.033	124.359	TRUE	9.76E-28
FEV1FVC	BRSK2	cg15465743	rs3793964	T	C	0.412	0.024	0.368	1.82E-66	-0.002	0.003	0.416	0.074	296.429	TRUE	1.28E-63
FEV1FVC	BRSK2	cg15465743	rs4255564	C	T	-1.201	0.018	0.260	<1E-200	-0.001	0.003	0.713	0.552	4558.800	TRUE	<1E-200
FEV1FVC	BRSK2	cg15465743	rs66496921	C	G	0.210	0.024	0.405	3.29E-18	0.001	0.002	0.641	0.020	75.665	TRUE	9.13E-18
FEV1FVC	BRSK2	cg15465743	rs77338313	A	G	-0.908	0.101	0.031	2.22E-19	-0.013	0.008	0.108	0.021	80.989	TRUE	1.77E-18
FEV1FVC	BRSK2	cg15465743	rs868903	T	C	0.206	0.032	0.473	1.24E-10	0.001	0.003	0.733	0.011	41.371	TRUE	2.06E-10
FEV1FVC	BRSK2	cg15803845	rs10832803	T	C	-0.389	0.033	0.159	1.03E-32	0.003	0.003	0.396	0.037	141.815	TRUE	1.33E-31
FEV1FVC	BRSK2	cg15803845	rs10837856	T	G	0.306	0.053	0.051	7.61E-09	0.009	0.005	0.083	0.009	33.355	TRUE	2.52E-08
FEV1FVC	BRSK2	cg15803845	rs113476683	T	G	-0.466	0.038	0.106	1.83E-34	0.002	0.004	0.627	0.039	149.814	TRUE	1.83E-33
FEV1FVC	BRSK2	cg15803845	rs11599943	T	C	0.706	0.066	0.031	1.29E-26	-0.001	0.007	0.892	0.030	113.958	TRUE	4.67E-26
FEV1FVC	BRSK2	cg15803845	rs117355168	T	C	-0.528	0.085	0.019	4.63E-10	0.008	0.007	0.280	0.010	38.805	TRUE	1.16E-09
FEV1FVC	BRSK2	cg15803845	rs12277732	G	A	-0.280	0.045	0.079	4.49E-10	0.001	0.005	0.853	0.010	38.868	TRUE	6.53E-10
FEV1FVC	BRSK2	cg15803845	rs12792005	A	G	-0.449	0.064	0.038	2.66E-12	0.015	0.006	0.013	0.013	48.901	TRUE	1.98E-11
FEV1FVC	BRSK2	cg15803845	rs181332597	T	C	0.650	0.100	0.036	9.82E-11	0.002	0.007	0.826	0.011	41.835	TRUE	1.51E-10
FEV1FVC	BRSK2	cg15803845	rs2735703	G	A	0.329	0.041	0.092	7.83E-16	-0.001	0.004	0.818	0.017	64.877	TRUE	1.56E-15
FEV1FVC	BRSK2	cg15803845	rs28534794	C	T	-0.168	0.024	0.480	1.08E-12	0.002	0.003	0.493	0.014	50.671	TRUE	2.50E-12
FEV1FVC	BRSK2	cg15803845	rs28555282	T	C	-0.569	0.023	0.398	7.00E-133	0.006	0.002	0.011	0.140	601.412	TRUE	1.47E-122
FEV1FVC	BRSK2	cg15803845	rs3793964	T	C	-0.354	0.024	0.368	4.99E-49	-0.002	0.003	0.416	0.055	216.484	TRUE	3.44E-47
FEV1FVC	BRSK2	cg15803845	rs4255564	C	T	1.050	0.020	0.260	<1E-200	-0.001	0.003	0.713	0.418	2655.638	TRUE	<1E-200
FEV1FVC	BRSK2	cg15803845	rs56126327	G	C	0.439	0.047	0.135	8.81E-21	0.009	0.004	0.016	0.023	87.364	TRUE	1.66E-19
FEV1FVC	BRSK2	cg15803845	rs60078451	A	T	0.329	0.050	0.065	3.07E-11	0.003	0.005	0.595	0.012	44.111	TRUE	5.90E-11
FEV1FVC	BRSK2	cg15803845	rs61869676	A	G	0.414	0.046	0.127	4.61E-19	-0.009	0.004	0.007	0.021	79.545	TRUE	8.84E-18
FEV1FVC	BRSK2	cg15803845	rs66658795	T	C	-0.345	0.023	0.445	2.56E-49	0.002	0.002	0.340	0.056	217.808	TRUE	2.28E-47

FEV1FVC	BRSK2	cg15803845	rs7112918	C	T	0.150	0.024	0.465	3.12E-10	-0.001	0.002	0.552	0.011	39.578	TRUE	5.85E-10
FEV1FVC	BRSK2	cg15803845	rs72847985	A	G	0.243	0.033	0.146	1.82E-13	-0.004	0.003	0.196	0.014	54.162	TRUE	6.67E-13
FEV1FVC	BRSK2	cg15803845	rs76324386	T	C	-0.324	0.046	0.072	1.38E-12	0.007	0.005	0.131	0.013	50.191	TRUE	5.51E-12
FEV1FVC	BRSK2	cg15803845	rs77338313	A	G	0.922	0.101	0.031	6.24E-20	-0.013	0.008	0.108	0.022	83.497	TRUE	5.23E-19
FEV1FVC	BRSK2	cg15803845	rs79956640	G	A	-0.612	0.082	0.022	1.23E-13	0.010	0.008	0.170	0.015	54.932	TRUE	4.94E-13
FEV1FVC	BRSK2	cg16022876	rs7395835	C	T	0.275	0.025	0.316	1.69E-28	-0.002	0.003	0.506	0.032	122.557	TRUE	1.21E-27
FEV1FVC	BRSK2	cg16274762	rs11604075	T	C	0.228	0.026	0.285	6.77E-19	-0.006	0.003	0.016	0.021	78.788	TRUE	1.02E-17
FEV1FVC	BRSK2	cg16274762	rs7932863	A	G	0.312	0.026	0.270	2.94E-32	-0.002	0.003	0.468	0.036	139.727	TRUE	3.09E-31
FEV1FVC	BRSK2	cg16414796	rs10832574	T	C	0.251	0.024	0.390	5.03E-25	0.001	0.002	0.611	0.028	106.699	TRUE	2.34E-24
FEV1FVC	BRSK2	cg16414796	rs11604075	T	C	0.210	0.026	0.285	3.47E-16	-0.006	0.003	0.016	0.018	66.482	TRUE	3.87E-15
FEV1FVC	BRSK2	cg16414796	rs117107041	A	G	0.290	0.051	0.053	1.70E-08	-0.004	0.005	0.401	0.009	31.790	TRUE	3.33E-08
FEV1FVC	BRSK2	cg16414796	rs3793964	T	C	-0.235	0.024	0.368	2.82E-22	-0.002	0.003	0.416	0.025	94.169	TRUE	1.41E-21
FEV1FVC	BRSK2	cg16414796	rs7395567	T	C	0.562	0.026	0.266	1.49E-103	-0.002	0.003	0.468	0.112	466.683	TRUE	5.87E-98
FEV1FVC	BRSK2	cg16793525	rs7395567	T	C	0.273	0.027	0.266	6.94E-25	-0.002	0.003	0.468	0.028	106.062	TRUE	3.89E-24
FEV1FVC	BRSK2	cg16885982	rs10833257	T	C	-0.193	0.024	0.471	2.26E-16	0.000	0.002	0.867	0.018	67.323	TRUE	4.45E-16
FEV1FVC	BRSK2	cg16885982	rs111886352	G	C	-0.237	0.038	0.117	4.30E-10	0.000	0.004	0.995	0.010	38.950	TRUE	5.62E-10
FEV1FVC	BRSK2	cg16885982	rs34805614	C	A	-0.160	0.024	0.451	1.98E-11	0.008	0.002	0.001	0.012	44.964	TRUE	2.05E-10
FEV1FVC	BRSK2	cg16885982	rs35700114	G	A	0.193	0.028	0.208	1.28E-11	0.006	0.003	0.060	0.012	45.817	TRUE	5.97E-11
FEV1FVC	BRSK2	cg16885982	rs5743931	T	C	0.192	0.031	0.171	8.45E-10	-0.003	0.003	0.312	0.010	37.632	TRUE	1.98E-09
FEV1FVC	BRSK2	cg16885982	rs61867471	T	C	-0.173	0.031	0.180	2.69E-08	0.001	0.003	0.741	0.008	30.903	TRUE	3.92E-08
FEV1FVC	BRSK2	cg16885982	rs61869711	T	C	0.136	0.025	0.329	4.99E-08	-0.001	0.003	0.761	0.008	29.703	TRUE	7.14E-08
FEV1FVC	BRSK2	cg16885982	rs74542903	T	C	0.706	0.035	0.118	1.50E-88	-0.001	0.004	0.837	0.097	397.785	TRUE	1.28E-84
FEV1FVC	BRSK2	cg17018661	rs111886352	G	C	-0.270	0.038	0.117	1.07E-12	0.000	0.004	0.995	0.014	50.683	TRUE	1.56E-12
FEV1FVC	BRSK2	cg17018661	rs11606628	T	C	-0.270	0.026	0.278	2.83E-25	-0.005	0.003	0.048	0.028	107.837	TRUE	5.63E-24
FEV1FVC	BRSK2	cg17018661	rs116865438	T	C	0.746	0.095	0.016	4.24E-15	0.007	0.009	0.463	0.016	61.552	TRUE	1.19E-14
FEV1FVC	BRSK2	cg17018661	rs11822087	C	A	-0.161	0.027	0.262	2.22E-09	-0.002	0.003	0.501	0.010	35.751	TRUE	4.16E-09
FEV1FVC	BRSK2	cg17018661	rs12786504	A	G	0.208	0.034	0.138	1.25E-09	0.002	0.004	0.534	0.010	36.866	TRUE	2.32E-09
FEV1FVC	BRSK2	cg17018661	rs1565368	T	C	0.180	0.028	0.222	1.45E-10	0.003	0.003	0.349	0.011	41.075	TRUE	3.43E-10
FEV1FVC	BRSK2	cg17018661	rs2471912	G	A	-0.279	0.023	0.476	7.29E-33	0.000	0.002	0.907	0.037	142.496	TRUE	4.20E-32
FEV1FVC	BRSK2	cg17018661	rs7102832	T	C	0.153	0.028	0.238	4.27E-08	0.002	0.003	0.559	0.008	30.007	TRUE	7.05E-08
FEV1FVC	BRSK2	cg17018661	rs7395006	C	T	0.153	0.024	0.387	4.01E-10	0.002	0.002	0.448	0.010	39.085	TRUE	8.49E-10
FEV1FVC	BRSK2	cg17018661	rs75723867	A	C	-0.208	0.026	0.283	1.24E-15	-0.006	0.003	0.015	0.017	63.972	TRUE	1.34E-14
FEV1FVC	BRSK2	cg17018661	rs7932863	A	G	0.525	0.026	0.270	7.77E-91	-0.002	0.003	0.468	0.099	408.282	TRUE	2.60E-86
FEV1FVC	BRSK2	cg17018661	rs9651654	C	T	0.233	0.028	0.237	4.69E-17	0.004	0.003	0.112	0.019	70.426	TRUE	2.94E-16
FEV1FVC	BRSK2	cg17416644	rs10832803	T	C	-0.440	0.033	0.159	1.39E-41	0.003	0.003	0.396	0.047	182.393	TRUE	4.38E-40
FEV1FVC	BRSK2	cg17416644	rs10837856	T	G	0.320	0.053	0.051	1.58E-09	0.009	0.005	0.083	0.010	36.415	TRUE	5.59E-09
FEV1FVC	BRSK2	cg17416644	rs113476683	T	G	-0.581	0.038	0.106	3.40E-53	0.002	0.004	0.627	0.060	235.575	TRUE	2.49E-51
FEV1FVC	BRSK2	cg17416644	rs11599943	T	C	0.757	0.066	0.031	2.04E-30	-0.001	0.007	0.892	0.034	131.317	TRUE	9.79E-30
FEV1FVC	BRSK2	cg17416644	rs116927247	T	C	-0.526	0.072	0.026	4.02E-13	0.004	0.007	0.567	0.014	52.603	TRUE	8.87E-13
FEV1FVC	BRSK2	cg17416644	rs11825487	T	C	0.236	0.030	0.180	7.15E-15	-0.006	0.003	0.041	0.016	60.525	TRUE	5.30E-14
FEV1FVC	BRSK2	cg17416644	rs12792005	A	G	-0.592	0.064	0.038	2.38E-20	0.015	0.006	0.013	0.023	85.398	TRUE	4.44E-19
FEV1FVC	BRSK2	cg17416644	rs145553613	C	T	0.882	0.106	0.031	1.01E-16	-0.003	0.009	0.712	0.018	68.919	TRUE	2.37E-16

FEV1FVC	BRSK2	cg17416644	rs28533997	C	T	-0.189	0.029	0.235	4.53E-11	0.001	0.003	0.645	0.012	43.349	TRUE	8.18E-11
FEV1FVC	BRSK2	cg17416644	rs28555282	T	C	-0.782	0.022	0.398	1.95E-271	0.006	0.002	0.011	0.251	1238.419	TRUE	8.07E-240
FEV1FVC	BRSK2	cg17416644	rs28699476	G	A	0.268	0.028	0.213	1.96E-21	0.005	0.003	0.084	0.024	90.337	TRUE	2.07E-20
FEV1FVC	BRSK2	cg17416644	rs3793964	T	C	-0.331	0.024	0.368	5.70E-43	-0.002	0.003	0.416	0.049	188.736	TRUE	1.97E-41
FEV1FVC	BRSK2	cg17416644	rs4255564	C	T	1.057	0.020	0.260	<1E-200	-0.001	0.003	0.713	0.423	2710.461	TRUE	<1E-200
FEV1FVC	BRSK2	cg17416644	rs60078451	A	T	0.313	0.050	0.065	2.57E-10	0.003	0.005	0.595	0.011	39.954	TRUE	4.69E-10
FEV1FVC	BRSK2	cg17416644	rs61869676	A	G	0.462	0.046	0.127	1.79E-23	-0.009	0.004	0.007	0.026	99.628	TRUE	5.79E-22
FEV1FVC	BRSK2	cg17416644	rs66658795	T	C	-0.328	0.023	0.445	1.08E-44	0.002	0.002	0.340	0.050	196.622	TRUE	5.57E-43
FEV1FVC	BRSK2	cg17416644	rs7103274	A	G	-0.182	0.030	0.197	1.39E-09	0.003	0.003	0.348	0.010	36.669	TRUE	3.07E-09
FEV1FVC	BRSK2	cg17416644	rs7108443	G	T	-0.426	0.042	0.089	7.84E-24	0.001	0.004	0.804	0.027	101.263	TRUE	2.59E-23
FEV1FVC	BRSK2	cg17416644	rs72847985	A	G	0.319	0.033	0.146	2.76E-22	-0.004	0.003	0.196	0.025	94.213	TRUE	2.12E-21
FEV1FVC	BRSK2	cg17416644	rs76324386	T	C	-0.321	0.046	0.072	2.28E-12	0.007	0.005	0.131	0.013	49.204	TRUE	8.95E-12
FEV1FVC	BRSK2	cg17416644	rs77338313	A	G	0.972	0.101	0.031	4.70E-22	-0.013	0.008	0.108	0.025	93.160	TRUE	4.82E-21
FEV1FVC	BRSK2	cg17416644	rs79956640	G	A	-0.773	0.082	0.022	5.42E-21	0.010	0.008	0.170	0.023	88.326	TRUE	4.09E-20
FEV1FVC	BRSK2	cg17416644	rs868903	T	C	-0.193	0.032	0.473	1.65E-09	0.001	0.003	0.733	0.010	36.326	TRUE	2.59E-09
FEV1FVC	BRSK2	cg17429870	rs10734285	A	C	-0.245	0.031	0.172	4.93E-15	0.003	0.003	0.316	0.016	61.254	TRUE	1.69E-14
FEV1FVC	BRSK2	cg17429870	rs11029917	T	C	-0.283	0.037	0.116	2.29E-14	0.005	0.004	0.221	0.015	58.236	TRUE	8.72E-14
FEV1FVC	BRSK2	cg17429870	rs11604075	T	C	0.498	0.025	0.285	1.07E-86	-0.006	0.003	0.016	0.095	389.270	TRUE	4.01E-81
FEV1FVC	BRSK2	cg17429870	rs117107041	A	G	0.605	0.051	0.053	2.47E-32	-0.004	0.005	0.401	0.036	140.069	TRUE	3.06E-31
FEV1FVC	BRSK2	cg17429870	rs145553613	C	T	0.894	0.106	0.031	3.95E-17	-0.003	0.009	0.712	0.019	70.763	TRUE	9.52E-17
FEV1FVC	BRSK2	cg17429870	rs1715357	G	A	0.376	0.053	0.052	1.24E-12	0.008	0.005	0.108	0.013	50.396	TRUE	5.28E-12
FEV1FVC	BRSK2	cg17429870	rs28386994	T	A	-0.263	0.029	0.206	6.46E-20	0.006	0.003	0.061	0.022	83.429	TRUE	6.96E-19
FEV1FVC	BRSK2	cg17429870	rs28672782	T	C	-0.370	0.031	0.184	8.22E-34	0.006	0.003	0.063	0.038	146.829	TRUE	3.65E-32
FEV1FVC	BRSK2	cg17429870	rs28971577	C	T	-0.159	0.029	0.231	2.70E-08	0.002	0.003	0.494	0.008	30.892	TRUE	4.81E-08
FEV1FVC	BRSK2	cg17429870	rs34666042	T	C	0.341	0.031	0.164	2.30E-27	0.004	0.003	0.203	0.031	117.376	TRUE	2.85E-26
FEV1FVC	BRSK2	cg17429870	rs3793964	T	C	-0.374	0.024	0.368	7.41E-55	-0.002	0.003	0.416	0.062	243.195	TRUE	1.05E-52
FEV1FVC	BRSK2	cg17429870	rs4077759	C	T	-0.148	0.025	0.370	1.64E-09	0.002	0.003	0.461	0.010	36.339	TRUE	3.20E-09
FEV1FVC	BRSK2	cg17429870	rs4255564	C	T	1.165	0.018	0.260	<1E-200	-0.001	0.003	0.713	0.518	3971.898	TRUE	<1E-200
FEV1FVC	BRSK2	cg17429870	rs5743915	A	G	0.216	0.024	0.415	7.94E-20	-0.004	0.002	0.145	0.022	83.020	TRUE	5.82E-19
FEV1FVC	BRSK2	cg17429870	rs66496921	C	G	-0.175	0.024	0.405	4.24E-13	0.001	0.002	0.641	0.014	52.501	TRUE	8.63E-13
FEV1FVC	BRSK2	cg17429870	rs72847939	T	C	-0.457	0.081	0.017	1.62E-08	-0.015	0.009	0.087	0.009	31.892	TRUE	5.11E-08
FEV1FVC	BRSK2	cg17429870	rs7395006	C	T	0.367	0.024	0.387	2.18E-52	0.002	0.002	0.448	0.059	231.874	TRUE	2.24E-50
FEV1FVC	BRSK2	cg17429870	rs77338313	A	G	0.937	0.101	0.031	1.53E-20	-0.013	0.008	0.108	0.023	86.273	TRUE	1.36E-19
FEV1FVC	BRSK2	cg17429870	rs79646282	T	C	0.700	0.097	0.038	5.92E-13	-0.016	0.006	0.011	0.014	51.845	TRUE	5.02E-12
FEV1FVC	BRSK2	cg17429870	rs80138399	A	G	-0.271	0.046	0.076	3.83E-09	0.007	0.005	0.114	0.009	34.690	TRUE	1.20E-08
FEV1FVC	BRSK2	cg17658113	rs10734285	A	C	0.234	0.031	0.172	6.57E-14	0.003	0.003	0.316	0.015	56.163	TRUE	2.07E-13
FEV1FVC	BRSK2	cg17658113	rs11039094	C	G	-0.229	0.036	0.116	1.96E-10	0.008	0.004	0.019	0.011	40.483	TRUE	1.08E-09
FEV1FVC	BRSK2	cg17658113	rs111886352	G	C	0.313	0.038	0.117	1.68E-16	0.000	0.004	0.995	0.018	67.913	TRUE	2.91E-16
FEV1FVC	BRSK2	cg17658113	rs11603080	A	C	-0.402	0.054	0.048	1.06E-13	0.013	0.006	0.019	0.015	55.227	TRUE	8.34E-13
FEV1FVC	BRSK2	cg17658113	rs11604075	T	C	-0.387	0.026	0.285	4.70E-52	-0.006	0.003	0.016	0.059	230.346	TRUE	4.72E-49
FEV1FVC	BRSK2	cg17658113	rs11604757	T	C	-0.204	0.036	0.118	1.99E-08	0.006	0.004	0.101	0.008	31.484	TRUE	5.97E-08
FEV1FVC	BRSK2	cg17658113	rs117107041	A	G	-0.629	0.051	0.053	7.43E-35	-0.004	0.005	0.401	0.039	151.601	TRUE	1.17E-33

FEV1FVC	BRSK2	cg17658113	rs12282543	G	A	0.275	0.029	0.221	5.98E-22	0.006	0.003	0.035	0.024	92.684	TRUE	9.55E-21
FEV1FVC	BRSK2	cg17658113	rs145553613	C	T	-0.878	0.106	0.031	1.40E-16	-0.003	0.009	0.712	0.018	68.263	TRUE	3.27E-16
FEV1FVC	BRSK2	cg17658113	rs28386994	T	A	0.231	0.029	0.206	9.50E-16	0.006	0.003	0.061	0.017	64.496	TRUE	6.78E-15
FEV1FVC	BRSK2	cg17658113	rs34666042	T	C	-0.335	0.031	0.164	1.78E-26	0.004	0.003	0.203	0.030	113.320	TRUE	2.03E-25
FEV1FVC	BRSK2	cg17658113	rs4255564	C	T	-1.203	0.018	0.260	<1E-200	-0.001	0.003	0.713	0.554	4592.730	TRUE	<1E-200
FEV1FVC	BRSK2	cg17658113	rs4881724	A	G	0.248	0.037	0.116	2.15E-11	0.004	0.004	0.266	0.012	44.804	TRUE	6.05E-11
FEV1FVC	BRSK2	cg17658113	rs55813014	C	T	0.405	0.023	0.473	1.88E-68	0.001	0.002	0.712	0.076	305.549	TRUE	8.80E-66
FEV1FVC	BRSK2	cg17658113	rs5743915	A	G	-0.208	0.024	0.415	1.86E-18	-0.004	0.002	0.145	0.020	76.787	TRUE	1.21E-17
FEV1FVC	BRSK2	cg17658113	rs7395006	C	T	-0.344	0.024	0.387	5.18E-46	0.002	0.002	0.448	0.052	202.666	TRUE	2.49E-44
FEV1FVC	BRSK2	cg17658113	rs76324386	T	C	0.292	0.046	0.072	1.73E-10	0.007	0.005	0.131	0.011	40.728	TRUE	5.77E-10
FEV1FVC	BRSK2	cg17658113	rs77338313	A	G	-0.950	0.101	0.031	4.12E-21	-0.013	0.008	0.108	0.023	88.871	TRUE	3.85E-20
FEV1FVC	BRSK2	cg17658113	rs868903	T	C	0.203	0.032	0.473	2.37E-10	0.001	0.003	0.733	0.011	40.114	TRUE	3.87E-10
FEV1FVC	BRSK2	cg18039789	rs10766282	T	A	0.548	0.061	0.046	1.85E-19	0.008	0.006	0.160	0.022	81.352	TRUE	1.25E-18
FEV1FVC	BRSK2	cg18039789	rs10832955	T	C	-0.273	0.024	0.368	1.45E-29	0.000	0.003	0.872	0.033	127.429	TRUE	6.67E-29
FEV1FVC	BRSK2	cg18039789	rs10835060	T	G	-0.198	0.029	0.193	2.06E-11	0.006	0.003	0.035	0.012	44.891	TRUE	1.11E-10
FEV1FVC	BRSK2	cg18039789	rs117654829	T	A	0.581	0.098	0.038	3.44E-09	0.002	0.007	0.826	0.009	34.898	TRUE	4.93E-09
FEV1FVC	BRSK2	cg18039789	rs34666042	T	C	0.265	0.032	0.164	4.59E-17	0.004	0.003	0.203	0.019	70.465	TRUE	2.29E-16
FEV1FVC	BRSK2	cg18039789	rs4255564	C	T	0.866	0.024	0.260	6.75E-296	-0.001	0.003	0.713	0.268	1350.919	TRUE	1.22E-262
FEV1FVC	BRSK2	cg18039789	rs4963076	T	C	0.331	0.023	0.498	1.32E-45	0.000	0.002	0.884	0.051	200.810	TRUE	2.47E-44
FEV1FVC	BRSK2	cg18039789	rs5743915	A	G	0.142	0.024	0.415	2.33E-09	-0.004	0.002	0.145	0.010	35.655	TRUE	6.88E-09
FEV1FVC	BRSK2	cg18039789	rs61867539	T	C	0.242	0.027	0.245	4.77E-19	-0.006	0.003	0.024	0.021	79.480	TRUE	6.59E-18
FEV1FVC	BRSK2	cg18039789	rs66658795	T	C	-0.219	0.024	0.445	1.27E-20	0.002	0.002	0.340	0.023	86.637	TRUE	6.45E-20
FEV1FVC	BRSK2	cg18039789	rs7395006	C	T	0.224	0.024	0.387	3.67E-20	0.002	0.002	0.448	0.022	84.546	TRUE	1.55E-19
FEV1FVC	BRSK2	cg18039789	rs77338313	A	G	0.829	0.101	0.031	2.52E-16	-0.013	0.008	0.108	0.018	67.107	TRUE	1.52E-15
FEV1FVC	BRSK2	cg18049328	rs10766282	T	A	0.414	0.061	0.046	1.03E-11	0.008	0.006	0.160	0.012	46.244	TRUE	3.59E-11
FEV1FVC	BRSK2	cg18049328	rs10832574	T	C	0.180	0.024	0.390	1.53E-13	0.001	0.002	0.611	0.015	54.506	TRUE	3.29E-13
FEV1FVC	BRSK2	cg18049328	rs11604075	T	C	0.251	0.026	0.285	1.85E-22	-0.006	0.003	0.016	0.025	95.004	TRUE	4.18E-21
FEV1FVC	BRSK2	cg18049328	rs34666042	T	C	0.180	0.032	0.164	1.20E-08	0.004	0.003	0.203	0.009	32.462	TRUE	3.03E-08
FEV1FVC	BRSK2	cg18049328	rs3793964	T	C	-0.214	0.024	0.368	1.23E-18	-0.002	0.003	0.416	0.021	77.605	TRUE	4.68E-18
FEV1FVC	BRSK2	cg18049328	rs4312093	A	G	-0.205	0.031	0.176	4.69E-11	0.003	0.003	0.362	0.012	43.279	TRUE	1.13E-10
FEV1FVC	BRSK2	cg18049328	rs7395567	T	C	0.633	0.026	0.266	8.32E-133	-0.002	0.003	0.468	0.140	601.073	TRUE	2.41E-124
FEV1FVC	BRSK2	cg18049328	rs77338313	A	G	0.597	0.102	0.031	4.23E-09	-0.013	0.008	0.108	0.009	34.496	TRUE	1.32E-08
FEV1FVC	BRSK2	cg18049328	rs7951820	T	C	-0.163	0.029	0.213	1.08E-08	0.006	0.003	0.057	0.009	32.669	TRUE	3.82E-08
FEV1FVC	BRSK2	cg18133074	rs60707923	A	G	-0.223	0.026	0.260	2.37E-17	-0.004	0.003	0.108	0.019	71.773	TRUE	1.60E-16
FEV1FVC	BRSK2	cg18509719	rs10832574	T	C	-0.172	0.024	0.390	1.67E-12	0.001	0.002	0.611	0.013	49.814	TRUE	3.38E-12
FEV1FVC	BRSK2	cg18509719	rs11029917	T	C	0.294	0.037	0.116	1.98E-15	0.005	0.004	0.221	0.017	63.051	TRUE	8.21E-15
FEV1FVC	BRSK2	cg18509719	rs115584864	C	G	0.165	0.026	0.273	3.44E-10	-0.002	0.003	0.374	0.011	39.389	TRUE	7.73E-10
FEV1FVC	BRSK2	cg18509719	rs11604075	T	C	-0.223	0.026	0.285	4.23E-18	-0.006	0.003	0.016	0.020	75.171	TRUE	5.84E-17
FEV1FVC	BRSK2	cg18509719	rs117107041	A	G	-0.346	0.051	0.053	1.67E-11	-0.004	0.005	0.401	0.012	45.301	TRUE	3.99E-11
FEV1FVC	BRSK2	cg18509719	rs117479064	C	T	0.384	0.068	0.034	1.98E-08	0.013	0.007	0.051	0.008	31.499	TRUE	7.01E-08
FEV1FVC	BRSK2	cg18509719	rs1881509	A	G	0.242	0.031	0.177	6.24E-15	0.003	0.003	0.386	0.016	60.792	TRUE	1.92E-14
FEV1FVC	BRSK2	cg18509719	rs28454072	T	G	-0.294	0.053	0.051	3.42E-08	0.009	0.005	0.076	0.008	30.439	TRUE	1.08E-07

FEV1FVC	BRSK2	cg18509719	rs34666042	T	C	-0.215	0.032	0.164	9.74E-12	0.004	0.003	0.203	0.012	46.354	TRUE	3.15E-11
FEV1FVC	BRSK2	cg18509719	rs5743915	A	G	-0.130	0.024	0.415	4.18E-08	-0.004	0.002	0.145	0.008	30.048	TRUE	1.10E-07
FEV1FVC	BRSK2	cg18509719	rs7395567	T	C	-0.702	0.025	0.266	3.93E-168	-0.002	0.003	0.468	0.171	763.426	TRUE	1.74E-155
FEV1FVC	BRSK2	cg18509719	rs868903	T	C	0.179	0.032	0.473	2.24E-08	0.001	0.003	0.733	0.008	31.261	TRUE	3.32E-08
FEV1FVC	BRSK2	cg18539086	rs11607958	C	T	0.135	0.025	0.348	4.32E-08	-0.005	0.003	0.057	0.008	29.982	TRUE	1.45E-07
FEV1FVC	BRSK2	cg18539086	rs117107041	A	G	0.295	0.051	0.053	8.65E-09	-0.004	0.005	0.401	0.009	33.106	TRUE	1.73E-08
FEV1FVC	BRSK2	cg18539086	rs3793964	T	C	-0.136	0.024	0.368	1.95E-08	-0.002	0.003	0.416	0.008	31.523	TRUE	3.72E-08
FEV1FVC	BRSK2	cg18539086	rs4255564	C	T	0.364	0.027	0.260	9.07E-43	-0.001	0.003	0.713	0.048	187.814	TRUE	1.76E-41
FEV1FVC	BRSK2	cg19494188	rs7395567	T	C	0.294	0.027	0.266	1.24E-28	-0.002	0.003	0.468	0.032	123.169	TRUE	9.46E-28
FEV1FVC	BRSK2	cg19613205	rs10766282	T	A	0.504	0.061	0.046	1.08E-16	0.008	0.006	0.160	0.018	68.789	TRUE	5.71E-16
FEV1FVC	BRSK2	cg19613205	rs10835060	T	G	-0.213	0.029	0.193	4.87E-13	0.006	0.003	0.035	0.014	52.227	TRUE	3.13E-12
FEV1FVC	BRSK2	cg19613205	rs10902093	G	A	0.142	0.025	0.325	2.09E-08	0.007	0.003	0.005	0.008	31.390	TRUE	1.16E-07
FEV1FVC	BRSK2	cg19613205	rs11029917	T	C	-0.216	0.037	0.116	5.45E-09	0.005	0.004	0.221	0.009	34.002	TRUE	1.36E-08
FEV1FVC	BRSK2	cg19613205	rs11606628	T	C	0.277	0.026	0.278	2.32E-26	-0.005	0.003	0.048	0.030	112.797	TRUE	5.17E-25
FEV1FVC	BRSK2	cg19613205	rs117107041	A	G	0.529	0.051	0.053	5.78E-25	-0.004	0.005	0.401	0.028	106.426	TRUE	3.74E-24
FEV1FVC	BRSK2	cg19613205	rs12808343	G	A	-0.229	0.028	0.235	4.34E-16	0.006	0.003	0.038	0.018	66.042	TRUE	3.76E-15
FEV1FVC	BRSK2	cg19613205	rs145553613	C	T	0.863	0.106	0.031	4.91E-16	-0.003	0.009	0.712	0.017	65.795	TRUE	1.11E-15
FEV1FVC	BRSK2	cg19613205	rs34666042	T	C	0.300	0.032	0.164	1.82E-21	0.004	0.003	0.203	0.024	90.481	TRUE	1.32E-20
FEV1FVC	BRSK2	cg19613205	rs3793964	T	C	-0.345	0.024	0.368	1.64E-46	-0.002	0.003	0.416	0.052	204.950	TRUE	8.44E-45
FEV1FVC	BRSK2	cg19613205	rs66496921	C	G	-0.145	0.024	0.405	1.86E-09	0.001	0.002	0.641	0.010	36.093	TRUE	3.11E-09
FEV1FVC	BRSK2	cg19613205	rs66658795	T	C	-0.307	0.023	0.445	3.10E-39	0.002	0.002	0.340	0.044	171.635	TRUE	8.76E-38
FEV1FVC	BRSK2	cg19613205	rs7395006	C	T	0.305	0.024	0.387	1.87E-36	0.002	0.002	0.448	0.041	158.916	TRUE	3.24E-35
FEV1FVC	BRSK2	cg19613205	rs7395567	T	C	0.870	0.025	0.266	3.24E-272	-0.002	0.003	0.468	0.251	1242.003	TRUE	4.79E-243
FEV1FVC	BRSK2	cg19613205	rs77338313	A	G	0.684	0.101	0.031	1.51E-11	-0.013	0.008	0.108	0.012	45.497	TRUE	5.90E-11
FEV1FVC	BRSK2	cg19613205	rs78928236	T	C	0.293	0.053	0.049	4.27E-08	0.013	0.005	0.015	0.008	30.006	TRUE	1.87E-07
FEV1FVC	BRSK2	cg19713911	rs11035302	C	A	0.147	0.026	0.313	9.26E-09	0.005	0.003	0.052	0.009	32.974	TRUE	3.34E-08
FEV1FVC	BRSK2	cg19713911	rs112781328	T	A	0.315	0.041	0.088	1.17E-14	0.007	0.004	0.106	0.016	59.551	TRUE	6.14E-14
FEV1FVC	BRSK2	cg19713911	rs117107041	A	G	-0.338	0.051	0.053	4.21E-11	-0.004	0.005	0.401	0.012	43.491	TRUE	9.79E-11
FEV1FVC	BRSK2	cg19713911	rs3168046	A	G	-0.202	0.024	0.447	2.32E-17	-0.001	0.002	0.813	0.019	71.814	TRUE	5.15E-17
FEV1FVC	BRSK2	cg19713911	rs77338313	A	G	-0.609	0.102	0.031	2.10E-09	-0.013	0.008	0.108	0.010	35.856	TRUE	6.76E-09
FEV1FVC	BRSK2	cg19713911	rs7932863	A	G	-0.441	0.026	0.270	4.39E-64	-0.002	0.003	0.468	0.072	285.502	TRUE	1.88E-61
FEV1FVC	BRSK2	cg20129113	rs10766750	T	C	0.643	0.030	0.178	3.46E-104	0.003	0.003	0.396	0.113	469.592	TRUE	2.04E-98
FEV1FVC	BRSK2	cg20129113	rs11029977	T	C	0.151	0.024	0.389	2.43E-10	0.005	0.002	0.042	0.011	40.063	TRUE	1.14E-09
FEV1FVC	BRSK2	cg20129113	rs113969661	T	C	0.525	0.084	0.018	3.83E-10	0.006	0.010	0.564	0.010	39.179	TRUE	7.13E-10
FEV1FVC	BRSK2	cg20129113	rs114715203	C	T	-0.472	0.069	0.035	6.37E-12	0.002	0.007	0.768	0.013	47.186	TRUE	1.09E-11
FEV1FVC	BRSK2	cg20129113	rs115584864	C	G	-0.199	0.026	0.273	1.12E-14	-0.002	0.003	0.374	0.016	59.633	TRUE	3.45E-14
FEV1FVC	BRSK2	cg20129113	rs116813619	A	G	-0.740	0.126	0.010	4.18E-09	0.026	0.012	0.030	0.009	34.520	TRUE	1.79E-08
FEV1FVC	BRSK2	cg20129113	rs1317780	G	C	-0.190	0.028	0.225	1.33E-11	0.005	0.003	0.087	0.012	45.752	TRUE	5.59E-11
FEV1FVC	BRSK2	cg20129113	rs2029463	T	C	0.238	0.034	0.132	2.05E-12	0.002	0.004	0.680	0.013	49.413	TRUE	3.90E-12
FEV1FVC	BRSK2	cg20129113	rs2943527	A	G	0.146	0.025	0.319	2.77E-09	0.001	0.003	0.792	0.009	35.323	TRUE	4.10E-09
FEV1FVC	BRSK2	cg20129113	rs7124503	T	G	-0.998	0.053	0.050	9.43E-80	0.008	0.006	0.165	0.088	357.395	TRUE	1.51E-75
FEV1FVC	BRSK2	cg20129113	rs79956640	G	A	0.570	0.081	0.022	1.80E-12	0.010	0.008	0.170	0.013	49.665	TRUE	6.55E-12

FEV1FVC	BRSK2	cg20415517	rs28587036	A	T	-0.245	0.024	0.330	1.35E-23	-0.004	0.003	0.130	0.026	100.193	TRUE	1.48E-22
FEV1FVC	BRSK2	cg21782309	rs10831708	A	C	-0.229	0.032	0.165	5.00E-13	0.003	0.003	0.305	0.014	52.176	TRUE	1.51E-12
FEV1FVC	BRSK2	cg21782309	rs117148214	G	T	-1.835	0.072	0.027	9.13E-145	0.005	0.007	0.491	0.151	656.032	TRUE	5.51E-135
FEV1FVC	BRSK2	cg21782309	rs12575675	G	T	-0.239	0.029	0.209	2.81E-16	0.006	0.003	0.034	0.018	66.898	TRUE	2.48E-15
FEV1FVC	BRSK2	cg21782309	rs17173843	T	C	-0.223	0.032	0.166	1.69E-12	0.000	0.003	0.921	0.013	49.791	TRUE	2.60E-12
FEV1FVC	BRSK2	cg21782309	rs5743899	C	T	-0.217	0.029	0.209	8.99E-14	0.005	0.003	0.090	0.015	55.546	TRUE	4.49E-13
FEV1FVC	BRSK2	cg21782309	rs6421028	G	A	-0.173	0.025	0.337	4.23E-12	0.002	0.003	0.464	0.013	47.990	TRUE	9.69E-12
FEV1FVC	BRSK2	cg21782309	rs72850947	A	G	-0.392	0.048	0.073	2.20E-16	0.004	0.004	0.404	0.018	67.382	TRUE	7.31E-16
FEV1FVC	BRSK2	cg21782309	rs75723867	A	C	-0.154	0.026	0.283	3.73E-09	-0.006	0.003	0.015	0.009	34.742	TRUE	1.89E-08
FEV1FVC	BRSK2	cg21782309	rs7932863	A	G	0.169	0.027	0.270	1.84E-10	-0.002	0.003	0.468	0.011	40.606	TRUE	3.77E-10
FEV1FVC	BRSK2	cg21782309	rs7935124	A	G	-0.298	0.033	0.152	2.92E-19	0.004	0.003	0.243	0.021	80.447	TRUE	1.61E-18
FEV1FVC	BRSK2	cg21782309	rs80228114	T	G	-0.239	0.029	0.201	5.24E-16	0.001	0.003	0.869	0.017	65.670	TRUE	1.01E-15
FEV1FVC	BRSK2	cg21919719	rs10832574	T	C	0.263	0.024	0.390	2.48E-27	0.001	0.002	0.611	0.031	117.222	TRUE	1.38E-26
FEV1FVC	BRSK2	cg21919719	rs10837858	A	G	0.354	0.053	0.051	2.33E-11	0.009	0.005	0.090	0.012	44.647	TRUE	9.59E-11
FEV1FVC	BRSK2	cg21919719	rs111886352	G	C	-0.242	0.038	0.117	1.72E-10	0.000	0.004	0.995	0.011	40.745	TRUE	2.28E-10
FEV1FVC	BRSK2	cg21919719	rs113773442	G	C	-0.216	0.037	0.113	6.90E-09	0.003	0.004	0.459	0.009	33.544	TRUE	1.30E-08
FEV1FVC	BRSK2	cg21919719	rs115584864	C	G	-0.228	0.026	0.273	2.79E-18	-0.002	0.003	0.374	0.020	75.990	TRUE	1.11E-17
FEV1FVC	BRSK2	cg21919719	rs11604075	T	C	0.296	0.026	0.285	1.37E-30	-0.006	0.003	0.016	0.034	132.101	TRUE	7.98E-29
FEV1FVC	BRSK2	cg21919719	rs117107041	A	G	0.488	0.051	0.053	1.93E-21	-0.004	0.005	0.401	0.024	90.368	TRUE	9.41E-21
FEV1FVC	BRSK2	cg21919719	rs145553613	C	T	0.829	0.106	0.031	6.49E-15	-0.003	0.009	0.712	0.016	60.714	TRUE	1.37E-14
FEV1FVC	BRSK2	cg21919719	rs151218125	T	C	-0.373	0.055	0.049	1.02E-11	-0.002	0.006	0.756	0.012	46.260	TRUE	1.75E-11
FEV1FVC	BRSK2	cg21919719	rs28386994	T	A	-0.158	0.029	0.206	4.13E-08	0.006	0.003	0.061	0.008	30.072	TRUE	1.37E-07
FEV1FVC	BRSK2	cg21919719	rs34666042	T	C	0.311	0.031	0.164	5.72E-23	0.004	0.003	0.203	0.026	97.330	TRUE	4.74E-22
FEV1FVC	BRSK2	cg21919719	rs4255564	C	T	0.930	0.023	0.260	<1E-200	-0.001	0.003	0.713	0.307	1635.352	TRUE	<1E-200
FEV1FVC	BRSK2	cg21919719	rs55813014	C	T	-0.372	0.023	0.473	1.36E-57	0.001	0.002	0.712	0.065	255.742	TRUE	1.45E-55
FEV1FVC	BRSK2	cg21919719	rs77338313	A	G	0.736	0.101	0.031	3.81E-13	-0.013	0.008	0.108	0.014	52.708	TRUE	1.72E-12
FEV1FVC	BRSK2	cg23163513	rs12221827	C	T	0.155	0.025	0.322	5.91E-10	-0.004	0.003	0.088	0.010	38.331	TRUE	2.11E-09
FEV1FVC	BRSK2	cg23163513	rs2334501	T	C	-0.199	0.027	0.256	1.46E-13	0.006	0.003	0.022	0.015	54.592	TRUE	1.11E-12
FEV1FVC	BRSK2	cg23163513	rs28583004	G	A	-0.223	0.036	0.325	6.24E-10	0.004	0.003	0.155	0.010	38.226	TRUE	1.88E-09
FEV1FVC	BRSK2	cg23163513	rs3829225	T	C	-0.324	0.025	0.306	5.85E-40	0.006	0.003	0.028	0.045	174.954	TRUE	8.26E-38
FEV1FVC	BRSK2	cg23163513	rs555319376	T	G	-1.425	0.171	0.012	9.35E-17	0.009	0.013	0.493	0.018	69.064	TRUE	2.84E-16
FEV1FVC	BRSK2	cg23372535	rs12788273	A	G	0.192	0.026	0.277	1.51E-13	0.001	0.003	0.778	0.015	54.522	TRUE	2.80E-13
FEV1FVC	BRSK2	cg23571839	rs10832442	C	T	-0.225	0.024	0.412	2.36E-21	0.002	0.002	0.517	0.024	89.972	TRUE	9.73E-21
FEV1FVC	BRSK2	cg23571839	rs11025835	G	A	0.345	0.054	0.058	1.83E-10	-0.002	0.005	0.766	0.011	40.617	TRUE	2.90E-10
FEV1FVC	BRSK2	cg23571839	rs118072498	A	G	-0.345	0.054	0.094	1.72E-10	-0.001	0.004	0.843	0.011	40.745	TRUE	2.59E-10
FEV1FVC	BRSK2	cg23571839	rs141653894	T	C	-0.334	0.051	0.061	5.75E-11	0.001	0.005	0.911	0.011	42.880	TRUE	8.37E-11
FEV1FVC	BRSK2	cg23571839	rs145490652	G	A	0.235	0.042	0.090	2.92E-08	0.005	0.004	0.232	0.008	30.741	TRUE	6.79E-08
FEV1FVC	BRSK2	cg23571839	rs34397346	A	G	0.175	0.027	0.252	1.51E-10	0.007	0.003	0.022	0.011	40.988	TRUE	8.35E-10
FEV1FVC	BRSK2	cg23571839	rs61867657	T	C	-0.515	0.023	0.473	4.20E-110	-0.006	0.002	0.013	0.118	496.766	TRUE	2.45E-102
FEV1FVC	BRSK2	cg23571839	rs7947308	T	C	0.226	0.030	0.185	3.63E-14	0.007	0.003	0.026	0.015	57.326	TRUE	2.81E-13
FEV1FVC	BRSK2	cg23571839	rs908224	G	T	0.189	0.024	0.350	6.89E-15	0.002	0.003	0.488	0.016	60.597	TRUE	1.84E-14
FEV1FVC	BRSK2	cg24206507	rs9795439	A	G	-0.289	0.030	0.190	1.25E-22	0.006	0.003	0.035	0.025	95.789	TRUE	2.13E-21

FEV1FVC	BRSK2	cg25271479	rs10837407	T	C	-0.195	0.026	0.313	3.18E-14	0.006	0.003	0.029	0.015	57.590	TRUE	2.35E-13
FEV1FVC	BRSK2	cg25271479	rs11603080	A	C	0.363	0.054	0.048	1.89E-11	0.013	0.006	0.019	0.012	45.055	TRUE	1.16E-10
FEV1FVC	BRSK2	cg25271479	rs11606628	T	C	0.289	0.026	0.278	8.75E-29	-0.005	0.003	0.048	0.032	123.857	TRUE	2.54E-27
FEV1FVC	BRSK2	cg25271479	rs117107041	A	G	0.628	0.051	0.053	9.78E-35	-0.004	0.005	0.401	0.039	151.056	TRUE	1.52E-33
FEV1FVC	BRSK2	cg25271479	rs117654829	T	A	0.703	0.098	0.038	8.03E-13	0.002	0.007	0.826	0.014	51.247	TRUE	1.36E-12
FEV1FVC	BRSK2	cg25271479	rs12575817	T	C	-0.276	0.050	0.060	3.88E-08	0.003	0.005	0.493	0.008	30.192	TRUE	6.80E-08
FEV1FVC	BRSK2	cg25271479	rs12808343	G	A	-0.157	0.028	0.235	2.58E-08	0.006	0.003	0.038	0.008	30.986	TRUE	9.77E-08
FEV1FVC	BRSK2	cg25271479	rs34666042	T	C	0.365	0.031	0.164	2.84E-31	0.004	0.003	0.203	0.035	135.228	TRUE	5.15E-30
FEV1FVC	BRSK2	cg25271479	rs3793964	T	C	-0.421	0.024	0.368	1.72E-69	-0.002	0.003	0.416	0.077	310.307	TRUE	1.90E-66
FEV1FVC	BRSK2	cg25271479	rs4255564	C	T	1.146	0.019	0.260	<1E-200	-0.001	0.003	0.713	0.501	3716.057	TRUE	<1E-200
FEV1FVC	BRSK2	cg25271479	rs60707923	A	G	-0.159	0.027	0.260	2.69E-09	-0.004	0.003	0.108	0.009	35.380	TRUE	8.68E-09
FEV1FVC	BRSK2	cg25271479	rs66496921	C	G	-0.207	0.024	0.405	9.78E-18	0.001	0.002	0.641	0.019	73.517	TRUE	2.63E-17
FEV1FVC	BRSK2	cg25271479	rs66658795	T	C	-0.338	0.023	0.445	1.75E-47	0.002	0.002	0.340	0.054	209.410	TRUE	1.25E-45
FEV1FVC	BRSK2	cg25271479	rs7395006	C	T	0.332	0.024	0.387	5.22E-43	0.002	0.002	0.448	0.049	188.912	TRUE	1.79E-41
FEV1FVC	BRSK2	cg25271479	rs7479551	T	A	0.139	0.025	0.342	3.15E-08	0.007	0.003	0.008	0.008	30.596	TRUE	1.60E-07
FEV1FVC	BRSK2	cg25271479	rs76324386	T	C	-0.269	0.046	0.072	4.31E-09	0.007	0.005	0.131	0.009	34.461	TRUE	1.27E-08
FEV1FVC	BRSK2	cg25271479	rs77338313	A	G	0.884	0.101	0.031	2.09E-18	-0.013	0.008	0.108	0.020	76.558	TRUE	1.52E-17
FEV1FVC	BRSK2	cg25271479	rs868903	T	C	-0.177	0.032	0.473	3.11E-08	0.001	0.003	0.733	0.008	30.621	TRUE	4.58E-08
FEV1FVC	BRSK2	cg25630794	rs11604075	T	C	0.147	0.025	0.285	8.22E-09	-0.006	0.003	0.016	0.009	33.204	TRUE	3.91E-08
FEV1FVC	BRSK2	cg25630794	rs28766032	G	A	-0.163	0.028	0.222	4.71E-09	0.006	0.003	0.039	0.009	34.285	TRUE	1.87E-08
FEV1FVC	BRSK2	cg25630794	rs7395567	T	C	0.326	0.026	0.266	8.56E-36	-0.002	0.003	0.468	0.040	155.894	TRUE	1.25E-34
FEV1FVC	BRSK2	cg25836589	rs10766599	G	A	0.308	0.027	0.270	3.17E-30	0.006	0.003	0.045	0.034	130.439	TRUE	1.17E-28
FEV1FVC	BRSK2	cg25836589	rs115584864	C	G	-0.149	0.026	0.273	1.30E-08	-0.002	0.003	0.374	0.009	32.311	TRUE	2.63E-08
FEV1FVC	BRSK2	cg26367591	rs7395567	T	C	-0.252	0.026	0.266	1.86E-21	-0.002	0.003	0.468	0.024	90.443	TRUE	7.99E-21
FEV1FVC	BRSK2	cg26677995	rs10832805	C	G	-0.207	0.029	0.217	8.20E-13	0.004	0.003	0.200	0.014	51.207	TRUE	2.94E-12
FEV1FVC	BRSK2	cg26677995	rs11028763	C	T	-0.182	0.024	0.359	1.13E-13	0.007	0.003	0.006	0.015	55.094	TRUE	1.17E-12
FEV1FVC	BRSK2	cg26677995	rs117107041	A	G	0.292	0.051	0.053	1.39E-08	-0.004	0.005	0.401	0.009	32.188	TRUE	2.73E-08
FEV1FVC	BRSK2	cg26677995	rs12787736	T	C	-0.342	0.032	0.156	8.77E-27	0.003	0.003	0.362	0.030	114.724	TRUE	7.06E-26
FEV1FVC	BRSK2	cg26677995	rs34666042	T	C	0.276	0.032	0.164	1.99E-18	0.004	0.003	0.203	0.020	76.657	TRUE	1.11E-17
FEV1FVC	BRSK2	cg26677995	rs3793964	T	C	-0.268	0.024	0.368	1.46E-28	-0.002	0.003	0.416	0.032	122.838	TRUE	1.23E-27
FEV1FVC	BRSK2	cg26677995	rs66658795	T	C	-0.246	0.024	0.445	1.31E-25	0.002	0.002	0.340	0.029	109.369	TRUE	1.00E-24
FEV1FVC	BRSK2	cg26677995	rs7395567	T	C	0.826	0.025	0.266	1.48E-241	-0.002	0.003	0.468	0.229	1101.004	TRUE	7.18E-218
FEV1FVC	BRSK2	cg26677995	rs77338313	A	G	0.769	0.101	0.031	3.09E-14	-0.013	0.008	0.108	0.015	57.643	TRUE	1.54E-13
FEV1FVC	C15orf37	cg01351869	rs2865825	A	G	0.189	0.029	0.206	4.23E-11	-0.004	0.003	0.198	0.012	43.481	TRUE	1.29E-10
FEV1FVC	C15orf37	cg01843524	rs12185084	A	G	-0.195	0.028	0.205	4.36E-12	-0.004	0.003	0.179	0.013	47.929	TRUE	1.48E-11
FEV1FVC	C15orf37	cg01843524	rs12907077	T	C	0.215	0.032	0.145	1.43E-11	0.001	0.003	0.885	0.012	45.607	TRUE	2.18E-11
FEV1FVC	C15orf37	cg01843524	rs12908347	C	G	-0.188	0.027	0.229	7.13E-12	-0.005	0.003	0.104	0.013	46.965	TRUE	2.95E-11
FEV1FVC	C15orf37	cg01843524	rs150450469	C	T	0.145	0.023	0.457	3.80E-10	-0.002	0.002	0.482	0.010	39.193	TRUE	7.65E-10
FEV1FVC	C15orf37	cg01843524	rs2562756	G	A	-0.236	0.024	0.333	4.16E-22	0.000	0.003	0.926	0.025	93.402	TRUE	1.06E-21
FEV1FVC	C15orf37	cg01843524	rs28634350	C	G	-0.235	0.042	0.080	1.91E-08	0.003	0.004	0.490	0.008	31.569	TRUE	3.44E-08
FEV1FVC	C15orf37	cg01843524	rs35252136	C	G	-0.177	0.024	0.345	2.10E-13	-0.003	0.003	0.180	0.014	53.883	TRUE	7.96E-13
FEV1FVC	C15orf37	cg01843524	rs35818819	G	C	0.357	0.042	0.081	1.01E-17	-0.001	0.004	0.876	0.019	73.454	TRUE	2.12E-17

FEV1FVC	C15orf37	cg01843524	rs71409255	C	A	0.552	0.073	0.026	3.84E-14	0.013	0.008	0.106	0.015	57.216	TRUE	1.93E-13
FEV1FVC	C15orf37	cg01843524	rs7171636	T	C	0.734	0.028	0.194	8.71E-154	0.007	0.003	0.022	0.159	697.488	TRUE	3.02E-141
FEV1FVC	C15orf37	cg01843524	rs73487353	C	T	0.246	0.026	0.287	9.65E-22	0.002	0.003	0.417	0.024	91.737	TRUE	4.70E-21
FEV1FVC	C15orf37	cg01843524	rs77013706	T	C	0.394	0.048	0.057	2.42E-16	0.006	0.005	0.253	0.018	67.187	TRUE	1.02E-15
FEV1FVC	C15orf37	cg11970192	rs11636338	C	A	-0.177	0.024	0.354	4.60E-13	0.004	0.003	0.084	0.014	52.339	TRUE	2.24E-12
FEV1FVC	C15orf37	cg11970192	rs11856039	T	C	0.214	0.027	0.235	5.25E-15	-0.005	0.003	0.070	0.016	61.132	TRUE	3.37E-14
FEV1FVC	C15orf37	cg11970192	rs12437938	T	C	0.542	0.079	0.023	6.57E-12	0.008	0.009	0.346	0.013	47.126	TRUE	1.72E-11
FEV1FVC	C15orf37	cg11970192	rs34847355	G	T	0.578	0.028	0.207	3.66E-93	-0.005	0.003	0.089	0.102	418.966	TRUE	1.32E-87
FEV1FVC	C15orf37	cg11970192	rs4778756	C	T	-0.130	0.024	0.481	4.28E-08	0.001	0.003	0.776	0.008	30.003	TRUE	6.04E-08
FEV1FVC	C15orf37	cg11970192	rs56372426	G	C	0.201	0.030	0.181	1.93E-11	-0.004	0.003	0.233	0.012	45.017	TRUE	5.77E-11
FEV1FVC	C15orf37	cg11970192	rs6495449	A	G	-0.553	0.041	0.086	4.67E-42	-0.002	0.004	0.638	0.048	184.555	TRUE	9.50E-41
FEV1FVC	C15orf37	cg26829925	rs28671106	T	C	-0.190	0.029	0.198	7.13E-11	0.007	0.003	0.025	0.011	42.460	TRUE	3.87E-10
FEV1FVC	C15orf37	cg27236825	rs36043829	G	A	-0.282	0.028	0.214	7.96E-24	-0.005	0.003	0.077	0.027	101.232	TRUE	1.12E-22
FEV1FVC	CALCOCO2	cg02753187	rs575556	A	C	-0.158	0.025	0.346	1.29E-10	-0.005	0.003	0.032	0.011	41.303	TRUE	6.34E-10
FEV1FVC	CALCOCO2	cg04154812	rs606911	A	G	-0.188	0.033	0.156	1.15E-08	0.010	0.003	0.003	0.009	32.552	TRUE	7.32E-08
FEV1FVC	CALCOCO2	cg15022609	rs12602595	T	C	-0.342	0.024	0.397	1.14E-46	0.002	0.003	0.448	0.053	205.675	TRUE	5.66E-45
FEV1FVC	CALCOCO2	cg15022609	rs147069987	G	A	0.617	0.073	0.026	1.90E-17	0.004	0.007	0.543	0.019	72.211	TRUE	5.68E-17
FEV1FVC	CALCOCO2	cg15022609	rs2256020	C	T	-0.172	0.031	0.192	2.53E-08	-0.001	0.003	0.699	0.008	31.018	TRUE	3.79E-08
FEV1FVC	CALCOCO2	cg15022609	rs35895680	A	C	0.415	0.025	0.318	8.92E-60	-0.002	0.003	0.481	0.067	265.748	TRUE	2.15E-57
FEV1FVC	CALCOCO2	cg15022609	rs4622554	T	A	-0.159	0.025	0.355	8.49E-11	-0.004	0.003	0.106	0.011	42.119	TRUE	3.17E-10
FEV1FVC	CALCOCO2	cg15022609	rs4794017	A	G	0.185	0.025	0.330	1.71E-13	0.002	0.003	0.527	0.014	54.281	TRUE	4.03E-13
FEV1FVC	CALCOCO2	cg15022609	rs576389	C	T	0.971	0.017	0.474	<1E-200	0.002	0.002	0.487	0.473	3325.740	TRUE	<1E-200
FEV1FVC	CALCOCO2	cg15022609	rs585736	A	G	0.677	0.066	0.031	1.29E-24	0.010	0.007	0.126	0.028	104.841	TRUE	1.55E-23
FEV1FVC	CALCOCO2	cg15022609	rs60208793	A	G	-0.347	0.042	0.090	8.45E-17	-0.008	0.004	0.062	0.018	69.265	TRUE	6.40E-16
FEV1FVC	CALCOCO2	cg15022609	rs61745934	T	C	0.575	0.084	0.021	8.68E-12	-0.005	0.008	0.529	0.012	46.580	TRUE	1.84E-11
FEV1FVC	CALCOCO2	cg15022609	rs62064572	A	G	-0.378	0.039	0.104	1.74E-22	0.006	0.004	0.149	0.025	95.125	TRUE	1.59E-21
FEV1FVC	CALCOCO2	cg15022609	rs668246	A	G	-0.530	0.047	0.062	6.16E-29	-0.008	0.005	0.091	0.033	124.555	TRUE	1.36E-27
FEV1FVC	CALCOCO2	cg15022609	rs72831851	A	G	0.689	0.077	0.027	4.93E-19	0.009	0.008	0.227	0.021	79.413	TRUE	2.71E-18
FEV1FVC	CALCOCO2	cg15022609	rs72831898	A	G	-0.489	0.035	0.131	4.98E-45	0.000	0.004	0.945	0.051	198.163	TRUE	8.04E-44
FEV1FVC	CALCOCO2	cg15022609	rs78228532	A	C	-0.334	0.042	0.088	1.23E-15	-0.003	0.004	0.552	0.017	63.981	TRUE	3.26E-15
FEV1FVC	CALCOCO2	cg15022609	rs78873483	A	G	0.534	0.057	0.105	1.59E-20	0.009	0.004	0.025	0.023	86.193	TRUE	2.45E-19
FEV1FVC	CALCOCO2	cg15022609	rs79235862	A	G	0.592	0.077	0.022	1.30E-14	0.021	0.008	0.004	0.016	59.345	TRUE	1.63E-13
FEV1FVC	CALCOCO2	cg15022609	rs8074177	A	G	0.195	0.030	0.187	6.02E-11	-0.004	0.003	0.253	0.011	42.791	TRUE	1.70E-10
FEV1FVC	CALCOCO2	cg15022609	rs9899950	T	C	0.399	0.050	0.062	1.40E-15	-0.007	0.005	0.137	0.017	63.734	TRUE	7.23E-15
FEV1FVC	CALCOCO2	cg20396069	rs178467	G	A	0.215	0.032	0.166	2.02E-11	0.009	0.003	0.005	0.012	44.922	TRUE	1.65E-10
FEV1FVC	CALCOCO2	cg20396069	rs78293062	T	C	-0.361	0.065	0.032	3.42E-08	-0.007	0.006	0.244	0.008	30.436	TRUE	7.77E-08
FEV1FVC	CALCOCO2	cg27530239	rs688945	T	C	0.138	0.024	0.443	4.04E-09	0.002	0.002	0.307	0.009	34.586	TRUE	9.01E-09
FEV1FVC	CAPN1	cg04962005	rs10895993	T	C	-0.465	0.043	0.074	8.14E-27	-0.002	0.004	0.621	0.030	114.872	TRUE	4.28E-26
FEV1FVC	CAPN1	cg05033401	rs11605576	A	C	0.163	0.025	0.360	3.65E-11	0.004	0.003	0.133	0.012	43.769	TRUE	1.31E-10
FEV1FVC	CAPN1	cg07710883	rs11227132	G	A	0.468	0.084	0.017	2.18E-08	0.023	0.009	0.006	0.008	31.310	TRUE	1.16E-07
FEV1FVC	CAPN1	cg07710883	rs1195963	T	C	0.265	0.031	0.172	6.68E-18	0.004	0.003	0.212	0.020	74.269	TRUE	3.50E-17
FEV1FVC	CAPN1	cg07710883	rs1196617	C	T	0.181	0.023	0.467	1.27E-14	0.002	0.002	0.333	0.016	59.393	TRUE	4.09E-14

FEV1FVC	CAPN1	cg07710883	rs148097428	A	G	0.352	0.055	0.047	2.11E-10	0.013	0.006	0.019	0.011	40.336	TRUE	1.16E-09
FEV1FVC	CAPN1	cg07710883	rs564476	T	C	-0.525	0.044	0.077	2.09E-32	-0.011	0.005	0.020	0.037	140.405	TRUE	1.36E-30
FEV1FVC	CAPN1	cg09620688	rs11605576	A	C	0.273	0.024	0.360	1.30E-29	0.004	0.003	0.133	0.033	127.645	TRUE	2.58E-28
FEV1FVC	CAPN1	cg09620688	rs599670	T	G	-0.248	0.036	0.105	4.39E-12	-0.008	0.004	0.022	0.013	47.918	TRUE	2.80E-11
FEV1FVC	CAPN1	cg13762244	rs608404	A	G	0.489	0.081	0.018	1.33E-09	-0.013	0.008	0.122	0.010	36.743	TRUE	4.20E-09
FEV1FVC	CAPN1	cg13762244	rs6591179	G	T	0.394	0.034	0.128	2.58E-30	-0.009	0.004	0.011	0.034	130.851	TRUE	1.62E-28
FEV1FVC	CAPN1	cg16697977	rs17881454	G	C	-0.404	0.066	0.057	7.83E-10	-0.005	0.005	0.316	0.010	37.781	TRUE	1.84E-09
FEV1FVC	CAPN1	cg16697977	rs2271448	T	C	0.238	0.025	0.319	3.28E-21	0.001	0.003	0.584	0.024	89.317	TRUE	1.20E-20
FEV1FVC	CAPN1	cg25363789	rs111513404	G	A	0.611	0.064	0.037	2.21E-21	0.004	0.006	0.498	0.024	90.100	TRUE	9.28E-21
FEV1FVC	CAPN1	cg25363789	rs11227132	G	A	-0.651	0.083	0.017	6.33E-15	0.023	0.009	0.006	0.016	60.764	TRUE	7.66E-14
FEV1FVC	CAPN1	cg25363789	rs11551353	A	T	0.470	0.048	0.061	1.49E-22	0.008	0.005	0.098	0.025	95.432	TRUE	1.67E-21
FEV1FVC	CAPN1	cg25363789	rs11601539	C	A	0.521	0.050	0.055	7.21E-26	-0.007	0.005	0.140	0.029	110.548	TRUE	9.57E-25
FEV1FVC	CAPN1	cg25363789	rs11605377	T	C	0.466	0.085	0.038	4.05E-08	-0.004	0.006	0.447	0.008	30.111	TRUE	7.37E-08
FEV1FVC	CAPN1	cg25363789	rs117446487	T	C	0.745	0.085	0.020	1.85E-18	0.002	0.009	0.838	0.020	76.797	TRUE	4.21E-18
FEV1FVC	CAPN1	cg25363789	rs1195964	A	G	-0.353	0.030	0.172	4.78E-31	0.004	0.003	0.212	0.035	134.191	TRUE	8.28E-30
FEV1FVC	CAPN1	cg25363789	rs12573	G	A	0.179	0.030	0.178	2.57E-09	0.007	0.003	0.028	0.009	35.468	TRUE	1.12E-08
FEV1FVC	CAPN1	cg25363789	rs17883561	A	G	-0.239	0.037	0.111	1.44E-10	0.000	0.004	0.999	0.011	41.084	TRUE	1.92E-10
FEV1FVC	CAPN1	cg25363789	rs487989	A	G	-0.210	0.033	0.153	3.55E-10	-0.004	0.003	0.303	0.011	39.325	TRUE	8.69E-10
FEV1FVC	CAPN1	cg25363789	rs566189	C	T	-0.241	0.037	0.102	1.12E-10	-0.009	0.004	0.009	0.011	41.572	TRUE	7.49E-10
FEV1FVC	CAPN1	cg25363789	rs613316	G	A	-0.269	0.027	0.256	9.01E-24	0.003	0.003	0.263	0.027	100.987	TRUE	6.82E-23
FEV1FVC	CAPN1	cg25363789	rs633727	G	A	-0.143	0.023	0.487	8.05E-10	-0.004	0.002	0.138	0.010	37.728	TRUE	2.47E-09
FEV1FVC	CAPN1	cg25363789	rs6591179	G	T	-0.356	0.035	0.128	2.52E-24	-0.009	0.004	0.011	0.027	103.508	TRUE	7.78E-23
FEV1FVC	CAPN1	cg25363789	rs663767	A	C	0.231	0.025	0.319	2.26E-20	0.003	0.003	0.303	0.023	85.499	TRUE	1.21E-19
FEV1FVC	CAPN1	cg25363789	rs739389	T	C	-0.253	0.028	0.222	1.63E-19	0.000	0.003	0.883	0.022	81.595	TRUE	3.76E-19
FEV1FVC	CAPN1	cg25363789	rs7933509	G	A	0.889	0.022	0.304	<1E-200	0.002	0.003	0.453	0.307	1639.161	TRUE	<1E-200
FEV1FVC	CAPNS1	cg18304093	rs16960884	C	A	0.288	0.048	0.061	1.97E-09	-0.013	0.005	0.006	0.010	35.980	TRUE	1.24E-08
FEV1FVC	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	0.006	0.003	0.012	0.014	51.004	TRUE	7.36E-12
FEV1FVC	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	0.001	0.003	0.871	0.015	57.165	TRUE	6.96E-14
FEV1FVC	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	0.006	0.003	0.023	0.016	58.619	TRUE	1.53E-13
FEV1FVC	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	0.007	0.004	0.058	0.021	79.794	TRUE	4.12E-18
FEV1FVC	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	0.008	0.002	0.001	0.016	60.177	TRUE	1.44E-13
FEV1FVC	CAPZB	cg03542686	rs71645451	C	G	0.178	0.033	0.147	4.36E-08	0.004	0.003	0.264	0.008	29.965	TRUE	9.48E-08
FEV1FVC	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	0.008	0.002	0.002	0.012	44.854	TRUE	2.16E-10
FEV1FVC	CAPZB	cg06788764	rs10158117	C	G	0.160	0.026	0.262	5.75E-10	0.005	0.003	0.053	0.010	38.384	TRUE	2.40E-09
FEV1FVC	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	-0.007	0.002	0.007	0.014	51.114	TRUE	7.91E-12
FEV1FVC	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	0.005	0.003	0.066	0.009	34.432	TRUE	1.56E-08
FEV1FVC	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	-0.001	0.003	0.698	0.053	206.399	TRUE	2.41E-45
FEV1FVC	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	0.006	0.002	0.007	0.046	177.180	TRUE	5.17E-38
FEV1FVC	CAPZB	cg07573717	rs67705352	T	G	0.138	0.024	0.375	9.39E-09	-0.011	0.003	1.49E-05	0.009	32.945	TRUE	1.17E-07
FEV1FVC	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	0.000	0.002	0.864	0.013	48.807	TRUE	4.45E-12
FEV1FVC	CAPZB	cg07573717	rs75797435	T	A	-1.535	0.054	0.051	4.48E-178	0.005	0.005	0.344	0.179	809.134	TRUE	7.64E-164
FEV1FVC	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	0.001	0.003	0.738	0.024	89.554	TRUE	8.84E-21

FEV1FVC	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	-0.001	0.004	0.897	0.016	58.979	TRUE	2.72E-14
FEV1FVC	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	0.002	0.003	0.413	0.014	52.185	TRUE	1.28E-12
FEV1FVC	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	-0.003	0.004	0.450	0.010	38.411	TRUE	1.17E-09
FEV1FVC	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	0.007	0.009	0.401	0.017	65.252	TRUE	2.08E-15
FEV1FVC	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	0.005	0.003	0.103	0.012	46.328	TRUE	4.03E-11
FEV1FVC	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	0.003	0.004	0.482	0.023	87.676	TRUE	3.11E-20
FEV1FVC	CAPZB	cg07905985	rs61759272	G	C	-0.184	0.029	0.196	3.30E-10	0.002	0.003	0.432	0.011	39.469	TRUE	7.01E-10
FEV1FVC	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	0.006	0.003	0.056	0.011	40.134	TRUE	9.87E-10
FEV1FVC	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	0.003	0.006	0.575	0.157	690.976	TRUE	7.63E-142
FEV1FVC	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	0.003	0.003	0.355	0.011	42.113	TRUE	2.06E-10
FEV1FVC	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	-0.014	0.003	1.85E-08	0.038	146.098	TRUE	3.24E-30
FEV1FVC	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	-0.005	0.002	0.028	0.017	65.137	TRUE	6.50E-15
FEV1FVC	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	0.001	0.003	0.738	0.029	112.158	TRUE	1.38E-25
FEV1FVC	CAPZB	cg09976716	rs11591018	T	A	-0.346	0.051	0.102	7.32E-12	0.000	0.004	0.974	0.013	46.915	TRUE	1.04E-11
FEV1FVC	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	0.002	0.003	0.473	0.017	63.025	TRUE	5.73E-15
FEV1FVC	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	0.007	0.009	0.401	0.021	77.636	TRUE	4.75E-18
FEV1FVC	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	0.004	0.006	0.485	0.176	788.461	TRUE	3.10E-160
FEV1FVC	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	0.004	0.003	0.134	0.025	96.177	TRUE	1.05E-21
FEV1FVC	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.000	0.003	0.987	0.023	87.333	TRUE	2.01E-20
FEV1FVC	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	-0.006	0.003	0.024	0.015	54.760	TRUE	9.78E-13
FEV1FVC	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	-0.015	0.003	9.05E-09	0.029	110.736	TRUE	5.23E-23
FEV1FVC	CAPZB	cg09976716	rs4076839	C	G	-0.188	0.029	0.214	4.60E-11	0.000	0.003	0.991	0.012	43.315	TRUE	6.25E-11
FEV1FVC	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	0.006	0.003	0.056	0.015	56.519	TRUE	3.31E-13
FEV1FVC	CAPZB	cg09976716	rs709683	G	C	-0.200	0.024	0.402	3.86E-17	0.002	0.002	0.438	0.019	70.807	TRUE	1.31E-16
FEV1FVC	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	-0.004	0.008	0.663	0.019	72.434	TRUE	4.44E-17
FEV1FVC	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	0.005	0.003	0.085	0.029	109.424	TRUE	2.03E-24
FEV1FVC	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	-0.005	0.002	0.028	0.016	60.748	TRUE	5.44E-14
FEV1FVC	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	0.004	0.003	0.146	0.036	138.191	TRUE	1.51E-30
FEV1FVC	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	-0.001	0.003	0.742	0.027	103.494	TRUE	9.41E-24
FEV1FVC	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	-0.006	0.008	0.425	0.057	225.435	TRUE	4.89E-49
FEV1FVC	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	-0.011	0.003	2.20E-05	0.012	45.046	TRUE	3.79E-10
FEV1FVC	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	0.008	0.002	8.35E-04	0.010	39.037	TRUE	3.90E-09
FEV1FVC	CAPZB	cg11335264	rs75797435	T	A	-0.951	0.056	0.051	2.93E-64	0.005	0.005	0.344	0.072	286.312	TRUE	1.88E-61
FEV1FVC	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	0.005	0.003	0.031	0.024	90.352	TRUE	2.98E-20
FEV1FVC	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	0.004	0.003	0.261	0.010	36.405	TRUE	3.93E-09
FEV1FVC	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	0.006	0.003	0.030	0.008	31.000	TRUE	9.92E-08
FEV1FVC	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	-0.001	0.003	0.618	0.012	43.676	TRUE	7.18E-11
FEV1FVC	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	0.008	0.002	0.002	0.113	470.631	TRUE	1.26E-96
FEV1FVC	CAPZB	cg12763668	rs3762389	T	A	0.204	0.025	0.351	2.15E-16	0.000	0.003	0.885	0.018	67.425	TRUE	4.20E-16
FEV1FVC	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	0.003	0.003	0.428	0.015	56.257	TRUE	1.70E-13
FEV1FVC	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	0.003	0.004	0.482	0.010	37.399	TRUE	1.87E-09
FEV1FVC	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	0.003	0.006	0.566	0.031	116.757	TRUE	1.86E-26

FEV1FVC	CAPZB	cg12763668	rs72653937	T	A	-0.356	0.045	0.080	1.35E-15	-0.012	0.004	0.003	0.017	63.809	TRUE	2.16E-14
FEV1FVC	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	-0.011	0.004	0.001	0.010	38.063	TRUE	5.66E-09
FEV1FVC	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	0.007	0.003	0.003	0.013	48.842	TRUE	2.72E-11
FEV1FVC	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	-0.017	0.003	7.15E-09	0.010	39.006	TRUE	1.69E-08
FEV1FVC	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	0.003	0.006	0.580	0.011	39.860	TRUE	4.99E-10
FEV1FVC	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	-0.016	0.003	6.89E-09	0.022	82.598	TRUE	2.87E-17
FEV1FVC	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	0.004	0.003	0.134	0.011	41.664	TRUE	3.72E-10
FEV1FVC	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	0.006	0.003	0.026	0.069	275.362	TRUE	2.37E-58
FEV1FVC	CAPZB	cg15136975	rs61766717	A	T	0.357	0.054	0.047	5.33E-11	0.003	0.006	0.595	0.011	43.029	TRUE	1.01E-10
FEV1FVC	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	0.000	0.009	0.971	0.009	34.016	TRUE	6.93E-09
FEV1FVC	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	-0.011	0.004	0.001	0.010	35.537	TRUE	1.91E-08
FEV1FVC	CAPZB	cg16694480	rs115472911	G	C	0.442	0.055	0.047	5.22E-16	0.003	0.006	0.605	0.017	65.677	TRUE	1.32E-15
FEV1FVC	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	-0.005	0.003	0.092	0.010	37.070	TRUE	3.94E-09
FEV1FVC	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	-0.016	0.003	4.82E-09	0.028	108.057	TRUE	2.12E-22
FEV1FVC	CAPZB	cg19713429	rs115472911	G	C	0.404	0.055	0.047	1.36E-13	0.003	0.006	0.605	0.015	54.737	TRUE	2.97E-13
FEV1FVC	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	0.007	0.003	0.003	0.016	60.828	TRUE	8.53E-14
FEV1FVC	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	0.007	0.007	0.286	0.008	31.371	TRUE	4.63E-08
FEV1FVC	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	0.007	0.002	0.004	0.036	139.868	TRUE	3.53E-30
FEV1FVC	CAPZB	cg23111655	rs10799817	C	G	-0.251	0.024	0.380	2.29E-25	0.005	0.003	0.034	0.028	108.259	TRUE	5.37E-24
FEV1FVC	CAPZB	cg23111655	rs113042236	A	T	-0.271	0.047	0.063	9.36E-09	0.006	0.005	0.197	0.009	32.952	TRUE	2.40E-08
FEV1FVC	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.000	0.007	0.991	0.017	64.571	TRUE	1.55E-15
FEV1FVC	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	0.003	0.005	0.586	0.013	48.114	TRUE	8.15E-12
FEV1FVC	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	0.004	0.006	0.520	0.058	228.169	TRUE	1.04E-49
FEV1FVC	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	0.001	0.003	0.747	0.009	33.355	TRUE	1.14E-08
FEV1FVC	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	0.007	0.009	0.401	0.014	51.486	TRUE	1.85E-12
FEV1FVC	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	-0.004	0.003	0.176	0.015	57.323	TRUE	1.50E-13
FEV1FVC	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	0.006	0.003	0.017	0.015	56.329	TRUE	5.01E-13
FEV1FVC	CAPZB	cg23111655	rs4147449	G	C	-0.446	0.077	0.027	8.72E-09	0.004	0.007	0.583	0.009	33.090	TRUE	1.48E-08
FEV1FVC	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	0.006	0.003	0.019	0.279	1428.478	TRUE	3.95E-273
FEV1FVC	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	0.006	0.003	0.056	0.012	46.466	TRUE	4.46E-11
FEV1FVC	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	-0.006	0.002	0.009	0.015	55.710	TRUE	8.13E-13
FEV1FVC	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	0.006	0.004	0.127	0.027	103.222	TRUE	3.39E-23
FEV1FVC	CAPZB	cg23111655	rs71645448	A	T	0.740	0.085	0.018	4.28E-18	0.011	0.008	0.191	0.020	75.146	TRUE	2.38E-17
FEV1FVC	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	-0.013	0.003	4.99E-07	0.028	108.269	TRUE	8.87E-23
FEV1FVC	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	0.008	0.007	0.214	0.016	60.028	TRUE	3.69E-14
FEV1FVC	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	0.010	0.007	0.138	0.011	40.234	TRUE	7.26E-10
FEV1FVC	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	-0.009	0.004	0.020	0.008	30.840	TRUE	1.18E-07
FEV1FVC	CAPZB	cg23519022	rs41264091	T	A	-0.244	0.028	0.229	8.94E-19	-0.016	0.003	1.84E-08	0.021	78.239	TRUE	1.88E-16
FEV1FVC	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	-0.001	0.003	0.618	0.009	35.321	TRUE	4.69E-09
FEV1FVC	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	-0.009	0.002	2.87E-04	0.011	41.717	TRUE	1.25E-09
FEV1FVC	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	0.001	0.003	0.735	0.013	50.196	TRUE	2.53E-12
FEV1FVC	CAPZB	cg24593138	rs113042236	A	T	-0.407	0.047	0.063	6.10E-18	0.006	0.005	0.197	0.020	74.447	TRUE	3.32E-17

FEV1FVC	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	0.005	0.002	0.047	0.021	80.717	TRUE	2.83E-18
FEV1FVC	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	0.007	0.002	0.002	0.486	3497.727	TRUE	<1E-200
FEV1FVC	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	0.004	0.005	0.489	0.065	255.447	TRUE	2.73E-55
FEV1FVC	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	-0.001	0.008	0.927	0.010	37.290	TRUE	1.38E-09
FEV1FVC	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	0.000	0.009	0.971	0.011	41.110	TRUE	1.94E-10
FEV1FVC	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	0.001	0.003	0.772	0.012	45.732	TRUE	2.23E-11
FEV1FVC	CAPZB	cg24593138	rs71645448	A	T	0.607	0.086	0.018	1.22E-12	0.011	0.008	0.191	0.013	50.426	TRUE	4.32E-12
FEV1FVC	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	0.001	0.006	0.909	0.031	116.494	TRUE	1.32E-26
FEV1FVC	CAPZB	cg24593138	rs72653926	A	G	-0.311	0.024	0.428	9.53E-40	0.008	0.003	9.75E-04	0.045	173.981	TRUE	5.25E-37
FEV1FVC	CAPZB	cg24593138	rs72653937	T	A	-0.509	0.044	0.080	1.85E-30	-0.012	0.004	0.003	0.034	131.507	TRUE	1.97E-28
FEV1FVC	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	-0.011	0.004	0.001	0.047	180.875	TRUE	1.69E-38
FEV1FVC	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	0.009	0.006	0.120	0.009	34.569	TRUE	1.23E-08
FEV1FVC	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	0.000	0.003	0.951	0.023	85.418	TRUE	5.39E-20
FEV1FVC	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	-0.014	0.008	0.058	0.012	44.067	TRUE	1.43E-10
FEV1FVC	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	0.008	0.007	0.214	0.013	47.360	TRUE	1.87E-11
FEV1FVC	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	0.010	0.007	0.138	0.009	33.401	TRUE	2.12E-08
FEV1FVC	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	0.007	0.005	0.156	0.049	190.977	TRUE	1.53E-41
FEV1FVC	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	0.005	0.003	0.060	0.018	69.504	TRUE	5.77E-16
FEV1FVC	CAPZB	cg24671886	rs76799277	C	G	0.646	0.109	0.020	2.86E-09	0.007	0.008	0.434	0.009	35.259	TRUE	5.69E-09
FEV1FVC	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	0.008	0.002	9.08E-04	0.090	365.961	TRUE	8.43E-76
FEV1FVC	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	-0.001	0.003	0.618	0.018	69.668	TRUE	1.82E-16
FEV1FVC	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	0.010	0.004	0.018	0.012	45.307	TRUE	1.05E-10
FEV1FVC	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.000	0.007	0.991	0.030	116.327	TRUE	1.29E-26
FEV1FVC	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	0.003	0.005	0.586	0.021	78.333	TRUE	2.66E-18
FEV1FVC	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	0.003	0.006	0.612	0.083	336.849	TRUE	4.59E-72
FEV1FVC	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	0.000	0.004	0.959	0.011	41.990	TRUE	1.25E-10
FEV1FVC	CAPZB	cg26824678	rs127037	G	C	0.415	0.027	0.259	2.78E-54	0.005	0.003	0.057	0.061	240.564	TRUE	1.89E-51
FEV1FVC	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	0.001	0.003	0.747	0.016	58.238	TRUE	4.54E-14
FEV1FVC	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	0.007	0.009	0.401	0.027	101.634	TRUE	3.83E-23
FEV1FVC	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	0.004	0.003	0.134	0.039	151.340	TRUE	2.97E-33
FEV1FVC	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	-0.004	0.003	0.176	0.030	115.217	TRUE	8.66E-26
FEV1FVC	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	-0.003	0.003	0.289	0.028	107.564	TRUE	2.71E-24
FEV1FVC	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	0.006	0.003	0.017	0.023	87.968	TRUE	1.16E-19
FEV1FVC	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	0.006	0.003	0.024	0.443	2945.622	TRUE	<1E-200
FEV1FVC	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	-0.001	0.003	0.868	0.013	47.945	TRUE	6.78E-12
FEV1FVC	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	0.003	0.004	0.440	0.013	48.424	TRUE	8.04E-12
FEV1FVC	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	0.006	0.003	0.056	0.017	65.553	TRUE	4.09E-15
FEV1FVC	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	0.000	0.009	0.971	0.023	85.868	TRUE	4.15E-20
FEV1FVC	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	-0.006	0.002	0.009	0.022	83.390	TRUE	1.32E-18
FEV1FVC	CAPZB	cg26824678	rs71645448	A	T	-1.011	0.085	0.018	1.32E-32	0.011	0.008	0.191	0.037	141.315	TRUE	2.83E-31
FEV1FVC	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	-0.004	0.008	0.663	0.009	34.763	TRUE	6.01E-09
FEV1FVC	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	-0.011	0.004	0.001	0.035	134.702	TRUE	5.18E-29

FEV1FVC	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	0.008	0.007	0.214	0.029	109.754	TRUE	1.10E-24
FEV1FVC	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	0.010	0.007	0.138	0.025	95.335	TRUE	1.50E-21
FEV1FVC	CASP10	cg11551448	rs3731714	T	C	0.164	0.025	0.319	1.08E-10	-0.002	0.003	0.562	0.011	41.644	TRUE	2.08E-10
FEV1FVC	CASP10	cg12105450	rs1914265	T	C	0.129	0.024	0.471	4.71E-08	-0.002	0.002	0.418	0.008	29.816	TRUE	8.72E-08
FEV1FVC	CASP10	cg12105450	rs2518142	G	A	-0.230	0.039	0.085	5.28E-09	0.002	0.004	0.691	0.009	34.066	TRUE	8.34E-09
FEV1FVC	CASP10	cg12105450	rs3900115	A	G	-0.306	0.023	0.474	3.45E-39	0.005	0.002	0.039	0.044	171.427	TRUE	3.68E-37
FEV1FVC	CASP10	cg12105450	rs6759216	A	G	0.207	0.032	0.163	8.10E-11	-0.007	0.003	0.048	0.011	42.211	TRUE	3.71E-10
FEV1FVC	CASP10	cg24599065	rs10203550	A	G	0.349	0.032	0.165	1.94E-28	-0.007	0.003	0.031	0.032	122.277	TRUE	6.63E-27
FEV1FVC	CASP10	cg24599065	rs114465540	G	C	0.466	0.053	0.057	1.88E-18	-0.008	0.005	0.118	0.020	76.770	TRUE	1.32E-17
FEV1FVC	CASP10	cg24599065	rs11904425	G	A	0.270	0.031	0.162	5.20E-18	0.001	0.003	0.839	0.020	74.763	TRUE	1.17E-17
FEV1FVC	CASP10	cg24599065	rs1208081	T	C	0.207	0.025	0.348	7.63E-17	-0.001	0.003	0.780	0.018	69.465	TRUE	1.68E-16
FEV1FVC	CASP10	cg24599065	rs12465952	G	A	-0.308	0.030	0.193	4.24E-25	0.007	0.003	0.020	0.028	107.039	TRUE	1.23E-23
FEV1FVC	CASP10	cg24599065	rs13005094	T	C	-0.785	0.021	0.470	<1E-200	0.004	0.002	0.079	0.279	1432.370	TRUE	9.88E-275
FEV1FVC	CASP10	cg24599065	rs13429108	T	C	-0.417	0.075	0.030	2.60E-08	-0.009	0.008	0.246	0.008	30.970	TRUE	5.96E-08
FEV1FVC	CASP10	cg24599065	rs2348126	T	G	0.258	0.023	0.460	3.68E-28	-0.005	0.002	0.053	0.032	121.007	TRUE	9.95E-27
FEV1FVC	CASP10	cg24599065	rs3820972	C	A	-0.453	0.039	0.085	1.83E-30	0.003	0.004	0.422	0.034	131.534	TRUE	1.83E-29
FEV1FVC	CASP10	cg24599065	rs4674357	G	A	-0.383	0.040	0.097	4.52E-22	0.003	0.004	0.466	0.025	93.239	TRUE	2.06E-21
FEV1FVC	CASP10	cg24599065	rs55759607	G	A	0.344	0.048	0.069	5.90E-13	-0.006	0.005	0.202	0.014	51.851	TRUE	2.09E-12
FEV1FVC	CASP10	cg24599065	rs56365779	G	T	-0.410	0.044	0.085	5.93E-21	-0.005	0.004	0.225	0.023	88.148	TRUE	3.88E-20
FEV1FVC	CASP10	cg24599065	rs62191475	G	A	0.418	0.072	0.063	5.73E-09	-0.001	0.005	0.808	0.009	33.906	TRUE	8.28E-09
FEV1FVC	CASP10	cg24599065	rs72927052	A	G	-0.402	0.040	0.090	1.21E-23	0.001	0.004	0.864	0.026	100.408	TRUE	3.69E-23
FEV1FVC	CASP10	cg24599065	rs7564683	T	G	-0.415	0.050	0.063	1.44E-16	0.001	0.005	0.810	0.018	68.216	TRUE	3.02E-16
FEV1FVC	CASP10	cg24599065	rs7579792	A	G	-0.299	0.038	0.106	6.12E-15	0.006	0.004	0.128	0.016	60.829	TRUE	3.07E-14
FEV1FVC	CASP10	cg24599065	rs77508965	T	C	-0.419	0.050	0.054	4.67E-17	0.009	0.005	0.104	0.019	70.433	TRUE	3.01E-16
FEV1FVC	CASP10	cg24599065	rs78287440	C	T	-0.330	0.050	0.058	5.10E-11	0.009	0.005	0.078	0.012	43.117	TRUE	2.09E-10
FEV1FVC	CASP8	cg20608990	rs1045485	C	G	0.242	0.034	0.135	1.64E-12	0.005	0.004	0.184	0.013	49.844	TRUE	5.77E-12
FEV1FVC	CASP8	cg20608990	rs113338606	T	C	0.244	0.032	0.166	1.06E-14	-0.007	0.003	0.031	0.016	59.750	TRUE	8.24E-14
FEV1FVC	CASP8	cg20608990	rs114465540	G	C	0.346	0.053	0.057	8.38E-11	-0.008	0.005	0.118	0.011	42.145	TRUE	2.98E-10
FEV1FVC	CASP8	cg20608990	rs12616362	T	G	-0.260	0.026	0.261	7.66E-23	0.003	0.003	0.234	0.025	96.749	TRUE	5.74E-22
FEV1FVC	CASP8	cg20608990	rs13028339	T	C	0.497	0.023	0.496	1.05E-103	-0.004	0.002	0.131	0.112	467.388	TRUE	2.11E-97
FEV1FVC	CASP8	cg20608990	rs2540456	T	C	-0.296	0.051	0.057	6.17E-09	-0.001	0.005	0.877	0.009	33.763	TRUE	8.44E-09
FEV1FVC	CASP8	cg20608990	rs34652842	G	A	-0.139	0.024	0.366	9.29E-09	0.008	0.003	6.69E-04	0.009	32.967	TRUE	7.26E-08
FEV1FVC	CASP8	cg20608990	rs576163194	G	A	-0.266	0.043	0.077	4.70E-10	0.002	0.004	0.680	0.010	38.775	TRUE	7.86E-10
FEV1FVC	CASP8	cg20608990	rs72931097	C	A	-0.958	0.066	0.031	1.57E-47	-0.004	0.007	0.537	0.054	209.618	TRUE	7.18E-46
FEV1FVC	CASP8	cg20608990	rs7603014	G	T	-0.260	0.044	0.069	2.83E-09	0.005	0.005	0.290	0.009	35.278	TRUE	6.55E-09
FEV1FVC	CASP8	cg20608990	rs79224392	A	G	-0.281	0.051	0.058	2.98E-08	0.007	0.005	0.201	0.008	30.706	TRUE	7.27E-08
FEV1FVC	CASP8	cg26799474	rs111820676	T	C	-0.331	0.049	0.064	1.52E-11	-0.005	0.005	0.247	0.012	45.479	TRUE	4.52E-11
FEV1FVC	CASP8	cg26799474	rs114707766	A	G	0.447	0.080	0.040	2.18E-08	0.001	0.006	0.929	0.008	31.312	TRUE	2.82E-08
FEV1FVC	CASP8	cg26799474	rs12620010	G	T	0.259	0.023	0.494	3.10E-28	-0.003	0.002	0.175	0.032	121.351	TRUE	4.41E-27
FEV1FVC	CASP8	cg26799474	rs17383714	T	C	-0.250	0.042	0.089	2.60E-09	0.005	0.004	0.269	0.009	35.443	TRUE	6.20E-09
FEV1FVC	CASP8	cg26799474	rs2518142	G	A	-0.219	0.040	0.085	3.51E-08	0.002	0.004	0.691	0.008	30.386	TRUE	5.33E-08
FEV1FVC	CASP8	cg26799474	rs4674520	T	C	-0.234	0.030	0.182	2.52E-15	0.003	0.003	0.293	0.017	62.578	TRUE	9.01E-15

FEV1FVC	CASP8	cg26799474	rs59674665	G	A	0.321	0.026	0.294	5.80E-36	0.007	0.003	0.010	0.041	156.666	TRUE	7.82E-34
FEV1FVC	CASP8	cg26842802	rs6754084	T	C	0.191	0.027	0.257	8.10E-13	0.007	0.003	0.015	0.014	51.231	TRUE	6.42E-12
FEV1FVC	CAV1	cg01265597	rs2742125	T	C	0.264	0.032	0.165	7.53E-17	-0.001	0.003	0.691	0.018	69.491	TRUE	1.82E-16
FEV1FVC	CAV1	cg01971483	rs56014347	T	C	0.553	0.042	0.076	3.40E-39	0.000	0.004	0.920	0.044	171.455	TRUE	3.27E-38
FEV1FVC	CAV1	cg04474049	rs2742125	T	C	0.513	0.032	0.165	3.08E-59	-0.001	0.003	0.691	0.066	263.281	TRUE	4.19E-57
FEV1FVC	CAV1	cg04474049	rs7788470	C	T	0.165	0.024	0.381	4.45E-12	-0.004	0.002	0.126	0.013	47.891	TRUE	1.75E-11
FEV1FVC	CAV1	cg05232628	rs4604369	T	G	-0.161	0.023	0.454	5.76E-12	0.002	0.002	0.517	0.013	47.385	TRUE	1.26E-11
FEV1FVC	CAV1	cg05232628	rs9920	C	T	-0.762	0.038	0.097	8.74E-88	-0.001	0.004	0.757	0.096	394.271	TRUE	8.06E-84
FEV1FVC	CAV1	cg05917273	rs10241283	G	A	-1.054	0.022	0.213	<1E-200	-0.001	0.003	0.827	0.377	2236.723	TRUE	<1E-200
FEV1FVC	CAV1	cg05917273	rs117002347	G	A	0.297	0.042	0.166	1.37E-12	-0.004	0.003	0.199	0.013	50.200	TRUE	4.77E-12
FEV1FVC	CAV1	cg05917273	rs117052851	T	A	0.465	0.080	0.049	7.18E-09	0.008	0.006	0.168	0.009	33.467	TRUE	1.94E-08
FEV1FVC	CAV1	cg05917273	rs117315991	C	G	0.466	0.075	0.029	6.32E-10	-0.014	0.006	0.026	0.010	38.200	TRUE	3.11E-09
FEV1FVC	CAV1	cg05917273	rs1180297	T	C	0.306	0.031	0.181	5.06E-23	-0.001	0.003	0.770	0.026	97.570	TRUE	1.66E-22
FEV1FVC	CAV1	cg05917273	rs13240764	C	T	-0.151	0.024	0.420	2.10E-10	0.002	0.002	0.380	0.011	40.353	TRUE	4.75E-10
FEV1FVC	CAV1	cg05917273	rs146410097	C	T	-1.035	0.104	0.014	3.66E-23	-0.017	0.010	0.105	0.026	98.214	TRUE	4.25E-22
FEV1FVC	CAV1	cg05917273	rs3807986	G	A	0.571	0.027	0.233	7.69E-98	-0.006	0.003	0.041	0.106	440.443	TRUE	1.41E-91
FEV1FVC	CAV1	cg05917273	rs61227992	G	A	0.209	0.028	0.219	6.03E-14	-0.006	0.003	0.035	0.015	56.332	TRUE	4.07E-13
FEV1FVC	CAV1	cg05917273	rs62475241	T	C	-0.473	0.047	0.064	6.73E-24	-0.004	0.005	0.416	0.027	101.565	TRUE	3.92E-23
FEV1FVC	CAV1	cg05917273	rs6955882	T	C	-1.198	0.089	0.017	2.54E-41	0.015	0.009	0.091	0.047	181.184	TRUE	2.27E-39
FEV1FVC	CAV1	cg05917273	rs6965181	A	G	-0.208	0.023	0.481	5.27E-19	0.001	0.002	0.711	0.021	79.283	TRUE	1.43E-18
FEV1FVC	CAV1	cg05917273	rs73203902	A	C	-0.249	0.039	0.103	2.21E-10	0.005	0.004	0.258	0.011	40.254	TRUE	5.81E-10
FEV1FVC	CAV1	cg05917273	rs73208115	G	A	-1.086	0.104	0.023	2.10E-25	-0.003	0.008	0.706	0.028	108.427	TRUE	8.94E-25
FEV1FVC	CAV1	cg05917273	rs73471162	T	G	-0.532	0.082	0.023	7.69E-11	0.005	0.008	0.578	0.011	42.312	TRUE	1.48E-10
FEV1FVC	CAV1	cg05917273	rs76819239	G	A	-1.111	0.078	0.024	1.57E-46	0.017	0.008	0.038	0.053	205.034	TRUE	4.49E-44
FEV1FVC	CAV1	cg05917273	rs77308085	A	G	-1.112	0.072	0.027	8.56E-54	0.003	0.008	0.677	0.061	238.322	TRUE	6.07E-52
FEV1FVC	CAV1	cg05917273	rs77772587	G	A	-0.505	0.068	0.031	7.63E-14	0.003	0.007	0.616	0.015	55.870	TRUE	1.68E-13
FEV1FVC	CAV1	cg07838272	rs3807986	G	A	0.182	0.028	0.233	4.98E-11	-0.006	0.003	0.041	0.012	43.161	TRUE	2.49E-10
FEV1FVC	CAV1	cg07838272	rs926198	C	T	0.134	0.024	0.351	3.69E-08	-0.001	0.003	0.584	0.008	30.291	TRUE	6.00E-08
FEV1FVC	CAV1	cg17469978	rs3807986	G	A	0.172	0.028	0.233	6.12E-10	-0.006	0.003	0.041	0.010	38.263	TRUE	2.72E-09
FEV1FVC	CAV1	cg17469978	rs926198	C	T	0.138	0.025	0.351	2.03E-08	-0.001	0.003	0.584	0.008	31.446	TRUE	3.36E-08
FEV1FVC	CAV1	cg20897119	rs1883049	G	C	0.272	0.032	0.163	9.90E-18	-0.001	0.003	0.717	0.019	73.492	TRUE	2.47E-17
FEV1FVC	CAV1	cg24770985	rs77650741	T	G	0.687	0.111	0.028	6.89E-10	0.012	0.008	0.149	0.010	38.031	TRUE	2.10E-09
FEV1FVC	CBS	cg00882967	rs1788493	C	T	-0.153	0.023	0.483	5.03E-11	-0.001	0.002	0.564	0.012	43.144	TRUE	9.87E-11
FEV1FVC	CBS	cg00882967	rs55994345	T	C	0.292	0.039	0.102	3.66E-14	-0.002	0.004	0.524	0.015	57.314	TRUE	8.98E-14
FEV1FVC	CBS	cg00882967	rs71316190	C	T	-0.385	0.055	0.046	2.79E-12	0.006	0.005	0.259	0.013	48.805	TRUE	8.50E-12
FEV1FVC	CBS	cg01788910	rs1051319	C	G	0.625	0.033	0.140	8.14E-79	0.002	0.004	0.652	0.087	353.100	TRUE	2.11E-75
FEV1FVC	CBS	cg01788910	rs12482487	T	C	0.448	0.058	0.040	1.34E-14	0.001	0.006	0.883	0.016	59.287	TRUE	2.37E-14
FEV1FVC	CBS	cg01788910	rs13052751	T	C	0.185	0.024	0.395	1.30E-14	-0.004	0.002	0.148	0.016	59.352	TRUE	6.02E-14
FEV1FVC	CBS	cg01788910	rs145115457	T	A	-0.461	0.075	0.031	5.91E-10	0.006	0.007	0.384	0.010	38.331	TRUE	1.30E-09
FEV1FVC	CBS	cg01788910	rs1672117	G	A	-0.272	0.027	0.247	5.79E-24	-0.002	0.003	0.425	0.027	101.861	TRUE	3.36E-23
FEV1FVC	CBS	cg01788910	rs2027711	T	C	0.786	0.020	0.470	<1E-200	-0.003	0.002	0.281	0.290	1512.517	TRUE	1.94E-289
FEV1FVC	CBS	cg01788910	rs234702	G	C	0.503	0.065	0.064	1.22E-14	-0.005	0.005	0.313	0.016	59.475	TRUE	4.12E-14

FEV1FVC	CBS	cg01788910	rs234784	T	C	0.279	0.034	0.371	9.24E-17	-0.005	0.003	0.049	0.018	69.089	TRUE	7.66E-16
FEV1FVC	CBS	cg01788910	rs35112095	A	G	0.269	0.049	0.057	4.20E-08	-0.003	0.005	0.602	0.008	30.041	TRUE	6.74E-08
FEV1FVC	CBS	cg01788910	rs55767206	T	C	-0.738	0.038	0.103	5.64E-84	0.002	0.004	0.700	0.092	376.783	TRUE	3.16E-80
FEV1FVC	CBS	cg01788910	rs71320557	T	C	0.412	0.037	0.107	1.09E-28	-0.005	0.004	0.214	0.032	123.416	TRUE	1.48E-27
FEV1FVC	CBS	cg01788910	rs71320558	T	C	-0.276	0.050	0.120	3.79E-08	0.002	0.004	0.565	0.008	30.236	TRUE	6.26E-08
FEV1FVC	CBS	cg01788910	rs7279886	C	A	-0.144	0.026	0.287	2.88E-08	0.003	0.003	0.211	0.008	30.772	TRUE	6.83E-08
FEV1FVC	CBS	cg01788910	rs7281623	A	C	-0.185	0.024	0.399	2.39E-14	0.003	0.003	0.244	0.015	58.149	TRUE	8.74E-14
FEV1FVC	CBS	cg01788910	rs75873792	G	C	0.577	0.079	0.020	2.48E-13	0.007	0.007	0.315	0.014	53.551	TRUE	7.49E-13
FEV1FVC	CBS	cg01788910	rs77233863	A	C	-0.426	0.040	0.084	4.89E-26	-0.001	0.004	0.765	0.029	111.317	TRUE	2.01E-25
FEV1FVC	CBS	cg01788910	rs78269027	C	T	-0.827	0.144	0.016	9.54E-09	0.019	0.010	0.049	0.009	32.914	TRUE	3.55E-08
FEV1FVC	CBS	cg01788910	rs79067607	T	C	-0.468	0.062	0.071	6.05E-14	-0.002	0.005	0.627	0.015	56.325	TRUE	1.32E-13
FEV1FVC	CBS	cg01817286	rs55994345	T	C	0.256	0.038	0.102	2.08E-11	-0.002	0.004	0.524	0.012	44.872	TRUE	4.31E-11
FEV1FVC	CBS	cg02644491	rs149095199	T	C	-0.426	0.040	0.084	5.17E-26	-0.002	0.004	0.699	0.029	111.208	TRUE	2.30E-25
FEV1FVC	CBS	cg02644491	rs1672117	G	A	-0.260	0.027	0.247	6.41E-22	-0.002	0.003	0.425	0.024	92.548	TRUE	3.16E-21
FEV1FVC	CBS	cg02644491	rs181911461	A	G	-0.499	0.090	0.019	2.81E-08	-0.007	0.009	0.424	0.008	30.818	TRUE	5.31E-08
FEV1FVC	CBS	cg02644491	rs234714	T	C	0.548	0.029	0.203	9.58E-80	0.000	0.003	0.900	0.088	357.365	TRUE	1.68E-76
FEV1FVC	CBS	cg02644491	rs234784	T	C	0.239	0.034	0.371	1.10E-12	-0.005	0.003	0.049	0.014	50.635	TRUE	6.04E-12
FEV1FVC	CBS	cg02644491	rs2839619	G	A	0.778	0.020	0.487	<1E-200	-0.002	0.002	0.363	0.283	1462.750	TRUE	3.50E-281
FEV1FVC	CBS	cg02644491	rs55767206	T	C	-0.694	0.038	0.103	4.92E-74	0.002	0.004	0.700	0.082	331.157	TRUE	5.50E-71
FEV1FVC	CBS	cg02644491	rs6586278	T	C	0.528	0.034	0.140	4.04E-54	0.001	0.004	0.758	0.061	239.816	TRUE	2.54E-52
FEV1FVC	CBS	cg02644491	rs71320557	T	C	0.311	0.037	0.107	6.11E-17	-0.005	0.004	0.214	0.019	69.904	TRUE	2.92E-16
FEV1FVC	CBS	cg02644491	rs7278989	C	T	0.151	0.025	0.319	2.60E-09	0.000	0.003	0.948	0.009	35.441	TRUE	3.46E-09
FEV1FVC	CBS	cg02644491	rs7281623	A	C	-0.143	0.024	0.399	4.64E-09	0.003	0.003	0.244	0.009	34.315	TRUE	1.13E-08
FEV1FVC	CBS	cg02644491	rs760124	C	T	0.363	0.046	0.066	4.70E-15	0.002	0.005	0.614	0.016	61.347	TRUE	1.12E-14
FEV1FVC	CBS	cg02644491	rs76980828	C	G	-0.307	0.047	0.059	6.03E-11	-0.002	0.005	0.639	0.011	42.789	TRUE	1.10E-10
FEV1FVC	CBS	cg02644491	rs78338872	T	C	0.477	0.073	0.030	5.01E-11	-0.003	0.007	0.736	0.012	43.150	TRUE	8.42E-11
FEV1FVC	CBS	cg02644491	rs79067607	T	C	-0.457	0.062	0.071	2.53E-13	-0.002	0.005	0.627	0.014	53.511	TRUE	5.34E-13
FEV1FVC	CBS	cg03137177	rs11911976	C	T	0.133	0.024	0.429	2.61E-08	-0.003	0.002	0.295	0.008	30.959	TRUE	5.62E-08
FEV1FVC	CBS	cg06118533	rs74748949	T	G	-0.434	0.075	0.025	8.48E-09	0.010	0.007	0.155	0.009	33.144	TRUE	2.34E-08
FEV1FVC	CBS	cg07211972	rs1107831	G	A	0.299	0.024	0.397	6.72E-37	-0.002	0.002	0.363	0.042	160.949	TRUE	1.41E-35
FEV1FVC	CBS	cg07211972	rs13048977	G	A	-0.150	0.026	0.288	7.15E-09	0.003	0.003	0.233	0.009	33.475	TRUE	1.74E-08
FEV1FVC	CBS	cg07211972	rs1672117	G	A	-0.200	0.027	0.247	1.31E-13	-0.002	0.003	0.425	0.015	54.809	TRUE	3.53E-13
FEV1FVC	CBS	cg07211972	rs2276240	A	G	-0.137	0.025	0.332	2.93E-08	0.001	0.003	0.827	0.008	30.737	TRUE	4.08E-08
FEV1FVC	CBS	cg07211972	rs428732	T	C	0.323	0.043	0.079	5.92E-14	0.001	0.004	0.911	0.015	56.368	TRUE	9.90E-14
FEV1FVC	CBS	cg07211972	rs706209	A	G	-0.731	0.020	0.452	2.06E-281	0.002	0.002	0.476	0.258	1284.298	TRUE	1.70E-250
FEV1FVC	CBS	cg07211972	rs73220903	T	C	0.365	0.035	0.134	1.07E-25	0.002	0.004	0.655	0.029	109.762	TRUE	5.03E-25
FEV1FVC	CBS	cg07211972	rs73231644	T	C	-0.244	0.031	0.161	8.90E-15	-0.003	0.003	0.356	0.016	60.093	TRUE	2.85E-14
FEV1FVC	CBS	cg07211972	rs75402527	T	A	-0.418	0.042	0.091	3.15E-23	0.002	0.004	0.647	0.026	98.510	TRUE	1.22E-22
FEV1FVC	CBS	cg07211972	rs760124	C	T	0.322	0.046	0.066	3.92E-12	0.002	0.005	0.614	0.013	48.139	TRUE	7.83E-12
FEV1FVC	CBS	cg09128751	rs141298881	T	C	-0.895	0.161	0.012	2.78E-08	0.022	0.013	0.105	0.008	30.839	TRUE	8.15E-08
FEV1FVC	CBS	cg09128751	rs181911461	A	G	-0.488	0.090	0.019	4.95E-08	-0.007	0.009	0.424	0.008	29.719	TRUE	9.22E-08
FEV1FVC	CBS	cg09128751	rs2839584	C	T	-0.187	0.028	0.200	3.91E-11	-0.002	0.003	0.500	0.012	43.633	TRUE	8.10E-11

FEV1FVC	CBS	cg09128751	rs35976043	T	C	-0.146	0.024	0.368	1.52E-09	-0.005	0.002	0.047	0.010	36.487	TRUE	6.22E-09
FEV1FVC	CBS	cg09128751	rs397589	T	G	0.178	0.023	0.483	2.91E-14	-0.002	0.002	0.388	0.015	57.766	TRUE	8.57E-14
FEV1FVC	CBS	cg09128751	rs57538964	C	T	-0.718	0.038	0.101	3.41E-79	0.002	0.004	0.550	0.088	354.833	TRUE	1.25E-75
FEV1FVC	CBS	cg14171527	rs111412674	C	T	-0.419	0.055	0.047	2.89E-14	0.005	0.006	0.345	0.015	57.776	TRUE	8.88E-14
FEV1FVC	CBS	cg14171527	rs112273870	A	G	0.312	0.038	0.108	2.95E-16	-0.003	0.004	0.480	0.018	66.799	TRUE	8.77E-16
FEV1FVC	CBS	cg15300856	rs113636179	G	A	0.442	0.057	0.042	7.06E-15	0.000	0.006	0.977	0.016	60.547	TRUE	1.16E-14
FEV1FVC	CBS	cg15300856	rs118097759	C	A	-0.470	0.066	0.035	7.71E-13	-0.001	0.007	0.930	0.014	51.327	TRUE	1.20E-12
FEV1FVC	CBS	cg15300856	rs11909507	A	G	0.256	0.043	0.086	2.06E-09	0.000	0.004	0.947	0.010	35.899	TRUE	2.73E-09
FEV1FVC	CBS	cg15300856	rs234771	C	T	-0.400	0.042	0.082	1.63E-21	0.001	0.004	0.804	0.024	90.707	TRUE	4.60E-21
FEV1FVC	CBS	cg15300856	rs2850144	C	G	-0.730	0.023	0.343	7.65E-214	-0.005	0.003	0.034	0.208	973.575	TRUE	6.23E-193
FEV1FVC	CBS	cg15300856	rs2850147	C	T	-0.144	0.024	0.461	8.65E-10	0.003	0.002	0.250	0.010	37.588	TRUE	2.23E-09
FEV1FVC	CBS	cg15300856	rs28888543	A	G	0.186	0.031	0.173	1.09E-09	-0.004	0.003	0.241	0.010	37.145	TRUE	2.78E-09
FEV1FVC	CBS	cg15300856	rs62217610	A	C	-0.346	0.028	0.205	3.55E-34	-0.003	0.003	0.229	0.039	148.498	TRUE	7.64E-33
FEV1FVC	CBS	cg15300856	rs6586282	T	C	0.319	0.031	0.182	2.77E-25	0.003	0.003	0.322	0.028	107.883	TRUE	2.15E-24
FEV1FVC	CBS	cg15300856	rs78072851	C	G	-0.489	0.074	0.030	3.71E-11	-0.004	0.007	0.590	0.012	43.740	TRUE	7.14E-11
FEV1FVC	CBS	cg15300856	rs9653816	T	C	0.148	0.024	0.366	1.01E-09	0.002	0.003	0.412	0.010	37.278	TRUE	2.10E-09
FEV1FVC	CBS	cg19312314	rs1051319	C	G	0.449	0.034	0.140	1.29E-40	0.002	0.004	0.652	0.046	177.961	TRUE	2.20E-39
FEV1FVC	CBS	cg19312314	rs12482487	T	C	0.492	0.058	0.040	2.40E-17	0.001	0.006	0.883	0.019	71.748	TRUE	4.91E-17
FEV1FVC	CBS	cg19312314	rs13052393	T	C	-0.237	0.040	0.278	2.76E-09	0.001	0.003	0.686	0.009	35.326	TRUE	4.40E-09
FEV1FVC	CBS	cg19312314	rs145115457	T	A	-0.453	0.075	0.031	1.17E-09	0.006	0.007	0.384	0.010	37.004	TRUE	2.52E-09
FEV1FVC	CBS	cg19312314	rs149095199	T	C	-0.430	0.040	0.084	1.62E-26	-0.002	0.004	0.699	0.030	113.509	TRUE	7.49E-26
FEV1FVC	CBS	cg19312314	rs150860006	T	A	0.925	0.165	0.011	2.20E-08	0.005	0.011	0.660	0.008	31.295	TRUE	3.43E-08
FEV1FVC	CBS	cg19312314	rs1672117	G	A	-0.269	0.027	0.247	1.80E-23	-0.002	0.003	0.425	0.026	99.616	TRUE	1.00E-22
FEV1FVC	CBS	cg19312314	rs181911461	A	G	-0.552	0.090	0.019	8.29E-10	-0.007	0.009	0.424	0.010	37.671	TRUE	1.73E-09
FEV1FVC	CBS	cg19312314	rs2276240	A	G	-0.172	0.025	0.332	2.76E-12	0.001	0.003	0.827	0.013	48.829	TRUE	4.63E-12
FEV1FVC	CBS	cg19312314	rs234702	G	C	0.525	0.065	0.064	7.19E-16	-0.005	0.005	0.313	0.017	65.046	TRUE	2.66E-15
FEV1FVC	CBS	cg19312314	rs234784	T	C	0.308	0.033	0.371	3.05E-20	-0.005	0.003	0.049	0.022	84.912	TRUE	3.59E-19
FEV1FVC	CBS	cg19312314	rs35112095	A	G	0.295	0.049	0.057	1.79E-09	-0.003	0.005	0.602	0.010	36.170	TRUE	3.10E-09
FEV1FVC	CBS	cg19312314	rs35628508	C	T	-0.455	0.049	0.053	1.90E-20	-0.003	0.005	0.495	0.023	85.851	TRUE	7.51E-20
FEV1FVC	CBS	cg19312314	rs57538964	C	T	-0.743	0.038	0.101	6.34E-85	0.002	0.004	0.550	0.093	381.138	TRUE	6.14E-81
FEV1FVC	CBS	cg19312314	rs71320557	T	C	0.430	0.037	0.107	3.24E-31	-0.005	0.004	0.214	0.035	134.966	TRUE	5.61E-30
FEV1FVC	CBS	cg19312314	rs74748949	T	G	0.418	0.076	0.025	3.91E-08	0.010	0.007	0.155	0.008	30.177	TRUE	1.02E-07
FEV1FVC	CBS	cg19312314	rs75873792	G	C	0.532	0.079	0.020	1.52E-11	0.007	0.007	0.315	0.012	45.486	TRUE	4.03E-11
FEV1FVC	CBS	cg19312314	rs9637290	T	C	-0.791	0.020	0.493	<1E-200	0.001	0.002	0.682	0.297	1559.258	TRUE	2.12E-298
FEV1FVC	CBS	cg22633722	rs234716	A	C	-0.261	0.042	0.081	4.87E-10	0.001	0.004	0.797	0.010	38.709	TRUE	7.44E-10
FEV1FVC	CBS	cg22633722	rs2850144	C	G	-0.461	0.024	0.343	5.58E-80	-0.005	0.003	0.034	0.088	358.440	TRUE	3.40E-75
FEV1FVC	CBS	cg22633722	rs62217610	A	C	-0.208	0.029	0.205	3.22E-13	-0.003	0.003	0.229	0.014	53.042	TRUE	1.09E-12
FEV1FVC	CBS	cg22633722	rs6586282	T	C	0.206	0.031	0.182	2.35E-11	0.003	0.003	0.322	0.012	44.630	TRUE	6.15E-11
FEV1FVC	CBS	cg22633722	rs760124	C	T	0.275	0.046	0.066	3.29E-09	0.002	0.005	0.614	0.009	34.988	TRUE	5.58E-09
FEV1FVC	CD164	cg08222271	rs6920962	T	A	-0.270	0.026	0.370	7.95E-25	-0.005	0.003	0.055	0.028	105.795	TRUE	1.45E-23
FEV1FVC	CD164	cg09416154	rs1832777	T	G	0.198	0.025	0.472	5.37E-15	0.006	0.002	0.010	0.016	61.087	TRUE	6.08E-14
FEV1FVC	CD164	cg09416154	rs36099706	C	A	-0.233	0.027	0.338	5.03E-18	-0.006	0.003	0.020	0.020	74.827	TRUE	6.56E-17

FEV1FVC	CD164	cg12940558	rs12204742	A	G	0.880	0.070	0.033	1.60E-36	0.001	0.007	0.879	0.041	159.226	TRUE	1.29E-35
FEV1FVC	CD28	cg10240150	rs11676147	C	A	-0.201	0.031	0.167	6.26E-11	-0.002	0.003	0.597	0.011	42.714	TRUE	1.17E-10
FEV1FVC	CD28	cg10240150	rs3181096	T	C	0.311	0.024	0.362	1.11E-38	0.012	0.003	3.03E-06	0.044	169.098	TRUE	2.56E-35
FEV1FVC	CD28	cg10240150	rs78522118	T	G	-0.190	0.033	0.147	5.10E-09	-0.007	0.003	0.039	0.009	34.131	TRUE	2.01E-08
FEV1FVC	CD68	cg21808406	rs12942088	C	T	-0.177	0.024	0.386	1.82E-13	0.009	0.002	4.07E-04	0.014	54.160	TRUE	3.31E-12
FEV1FVC	CD70	cg22633597	rs10425142	A	G	0.260	0.031	0.179	3.63E-17	-0.005	0.003	0.151	0.019	70.929	TRUE	2.07E-16
FEV1FVC	CD70	cg22633597	rs12971302	C	T	-0.460	0.025	0.314	6.21E-77	-0.007	0.003	0.008	0.085	344.460	TRUE	5.12E-72
FEV1FVC	CD70	cg22633597	rs344590	T	C	-0.319	0.045	0.148	8.88E-13	0.001	0.003	0.848	0.014	51.049	TRUE	1.49E-12
FEV1FVC	CD70	cg22633597	rs685587	A	G	0.277	0.033	0.389	5.97E-17	0.004	0.003	0.157	0.019	69.950	TRUE	3.24E-16
FEV1FVC	CD70	cg26737640	rs112136162	A	G	-0.267	0.024	0.430	1.38E-29	0.006	0.002	0.023	0.033	127.528	TRUE	6.18E-28
FEV1FVC	CD70	cg26737640	rs411204	C	G	0.220	0.039	0.121	2.39E-08	0.005	0.004	0.174	0.008	31.132	TRUE	6.18E-08
FEV1FVC	CDKN2D	cg04833646	rs10409578	T	C	-0.205	0.034	0.144	1.10E-09	0.006	0.003	0.106	0.010	37.126	TRUE	3.65E-09
FEV1FVC	CDKN2D	cg04833646	rs10416139	T	C	-0.281	0.037	0.245	1.45E-14	0.002	0.003	0.418	0.016	59.140	TRUE	4.19E-14
FEV1FVC	CDKN2D	cg04833646	rs11085760	C	T	0.590	0.105	0.012	1.84E-08	-0.013	0.011	0.240	0.008	31.637	TRUE	4.31E-08
FEV1FVC	CDKN2D	cg04833646	rs12973986	G	A	-0.184	0.028	0.205	9.59E-11	0.003	0.003	0.319	0.011	41.881	TRUE	2.40E-10
FEV1FVC	CDKN2D	cg04833646	rs12978228	T	G	1.010	0.028	0.188	9.14E-280	-0.010	0.003	0.002	0.257	1276.725	TRUE	9.94E-246
FEV1FVC	CDKN2D	cg04833646	rs12985460	A	T	0.169	0.029	0.209	3.32E-09	-0.001	0.003	0.711	0.009	34.965	TRUE	5.23E-09
FEV1FVC	CDKN2D	cg04833646	rs139437835	A	C	0.604	0.107	0.012	1.48E-08	-0.006	0.010	0.538	0.009	32.067	TRUE	2.56E-08
FEV1FVC	CDKN2D	cg04833646	rs2278442	G	A	-0.145	0.024	0.362	1.96E-09	0.008	0.003	9.55E-04	0.010	35.989	TRUE	1.63E-08
FEV1FVC	CDKN2D	cg04833646	rs45518133	T	C	0.894	0.104	0.014	8.44E-18	0.007	0.010	0.477	0.020	73.808	TRUE	2.80E-17
FEV1FVC	CDKN2D	cg04833646	rs4804520	C	T	-0.240	0.024	0.443	1.20E-23	0.010	0.002	4.34E-05	0.026	100.419	TRUE	1.45E-21
FEV1FVC	CDKN2D	cg04833646	rs62131901	C	A	0.860	0.087	0.017	7.42E-23	-0.038	0.008	1.40E-06	0.026	96.814	TRUE	1.59E-20
FEV1FVC	CDKN2D	cg04833646	rs6511703	C	T	-0.207	0.027	0.240	2.51E-14	-0.002	0.003	0.502	0.015	58.055	TRUE	6.44E-14
FEV1FVC	CDKN2D	cg04833646	rs73013176	C	T	0.579	0.104	0.013	2.50E-08	-0.003	0.012	0.825	0.008	31.046	TRUE	3.46E-08
FEV1FVC	CDKN2D	cg04833646	rs74179931	T	C	0.219	0.028	0.283	8.22E-15	-0.007	0.003	0.012	0.016	60.248	TRUE	8.55E-14
FEV1FVC	CDKN2D	cg08312369	rs8105074	C	T	-0.179	0.030	0.180	4.11E-09	-0.010	0.003	0.002	0.009	34.550	TRUE	3.06E-08
FEV1FVC	CFLAR	cg08267148	rs10192461	A	G	0.233	0.038	0.090	8.49E-10	0.001	0.004	0.840	0.010	37.623	TRUE	1.23E-09
FEV1FVC	CFLAR	cg08267148	rs115353050	T	C	-0.250	0.042	0.081	2.93E-09	-0.005	0.004	0.234	0.009	35.213	TRUE	7.41E-09
FEV1FVC	CFLAR	cg08267148	rs12620010	G	T	-0.130	0.024	0.494	2.97E-08	-0.003	0.002	0.175	0.008	30.711	TRUE	7.43E-08
FEV1FVC	CFLAR	cg08267148	rs6755945	A	T	0.198	0.030	0.168	7.37E-11	0.001	0.003	0.721	0.011	42.396	TRUE	1.23E-10
FEV1FVC	CFLAR	cg13311930	rs67917463	T	C	-0.181	0.029	0.215	3.20E-10	-0.006	0.003	0.027	0.011	39.529	TRUE	1.59E-09
FEV1FVC	CFLAR	cg13368983	rs1002414	T	G	-0.180	0.026	0.278	6.51E-12	0.002	0.003	0.459	0.013	47.144	TRUE	1.50E-11
FEV1FVC	CFLAR	cg13368983	rs12613347	T	C	-0.217	0.028	0.230	2.08E-14	0.000	0.003	0.970	0.016	58.427	TRUE	3.34E-14
FEV1FVC	CFLAR	cg13368983	rs12620435	G	A	1.473	0.032	0.099	<1E-200	-0.003	0.004	0.469	0.360	2078.371	TRUE	<1E-200
FEV1FVC	CFLAR	cg13368983	rs12987876	A	G	-0.228	0.041	0.170	3.12E-08	0.003	0.003	0.317	0.008	30.617	TRUE	6.52E-08
FEV1FVC	CFLAR	cg13368983	rs13029511	T	C	0.334	0.024	0.363	3.38E-43	0.005	0.003	0.050	0.049	189.777	TRUE	5.38E-41
FEV1FVC	CFLAR	cg13368983	rs13420006	G	T	0.154	0.024	0.373	3.38E-10	-0.005	0.003	0.040	0.011	39.423	TRUE	1.55E-09
FEV1FVC	CFLAR	cg13368983	rs150638321	A	G	-0.915	0.092	0.017	2.78E-23	-0.009	0.010	0.351	0.026	98.756	TRUE	1.71E-22
FEV1FVC	CFLAR	cg13368983	rs16835334	C	G	0.393	0.063	0.033	4.31E-10	0.011	0.006	0.080	0.010	38.947	TRUE	1.61E-09
FEV1FVC	CFLAR	cg13368983	rs188535859	T	C	1.121	0.143	0.013	5.19E-15	-0.004	0.009	0.657	0.016	61.155	TRUE	1.16E-14
FEV1FVC	CFLAR	cg13368983	rs2348117	G	T	0.560	0.038	0.108	1.64E-49	0.004	0.004	0.263	0.056	218.695	TRUE	1.83E-47
FEV1FVC	CFLAR	cg13368983	rs2348128	A	G	0.533	0.038	0.105	2.71E-44	-0.005	0.004	0.211	0.050	194.794	TRUE	1.96E-42

FEV1FVC	CFLAR	cg13368983	rs542974956	T	G	1.121	0.087	0.016	5.20E-38	-0.009	0.009	0.271	0.043	166.034	TRUE	1.52E-36
FEV1FVC	CFLAR	cg13368983	rs55902839	A	C	-0.152	0.024	0.463	1.28E-10	0.002	0.003	0.468	0.011	41.322	TRUE	2.67E-10
FEV1FVC	CFLAR	cg13368983	rs6743474	T	C	0.139	0.024	0.426	6.45E-09	-0.006	0.003	0.021	0.009	33.677	TRUE	2.88E-08
FEV1FVC	CFLAR	cg13368983	rs79053638	C	T	1.140	0.052	0.052	1.44E-104	-0.003	0.006	0.580	0.113	471.337	TRUE	5.09E-99
FEV1FVC	CFLAR	cg14151166	rs74764677	G	A	0.369	0.065	0.032	1.71E-08	-0.002	0.007	0.812	0.009	31.778	TRUE	2.41E-08
FEV1FVC	CFLAR	cg23681745	rs12465952	G	A	-0.189	0.029	0.193	1.25E-10	0.007	0.003	0.020	0.011	41.365	TRUE	7.15E-10
FEV1FVC	CFLAR	cg25051278	rs13408294	G	C	-0.227	0.040	0.098	1.27E-08	-0.006	0.004	0.177	0.009	32.354	TRUE	3.29E-08
FEV1FVC	CFLAR	cg25051278	rs150638321	A	G	1.317	0.090	0.017	8.16E-49	-0.009	0.010	0.351	0.055	215.504	TRUE	6.64E-47
FEV1FVC	CFLAR	cg25051278	rs41359253	A	G	0.159	0.029	0.212	2.91E-08	-0.001	0.003	0.832	0.008	30.750	TRUE	3.98E-08
FEV1FVC	CFLAR	cg25051278	rs6712963	A	G	-0.236	0.032	0.150	3.65E-13	-0.008	0.003	0.017	0.014	52.796	TRUE	2.90E-12
FEV1FVC	CHAC1	cg07891971	rs7175362	T	G	-0.227	0.036	0.111	2.00E-10	-0.018	0.004	6.03E-07	0.011	40.440	TRUE	5.42E-09
FEV1FVC	CHGA	cg00813752	rs1740593	A	G	-0.187	0.026	0.290	3.49E-13	0.005	0.003	0.055	0.014	52.883	TRUE	2.02E-12
FEV1FVC	CHGA	cg00813752	rs4905009	T	A	-0.522	0.028	0.230	5.42E-80	0.006	0.003	0.051	0.088	358.501	TRUE	2.51E-75
FEV1FVC	CHGA	cg00813752	rs76864329	A	G	-0.385	0.069	0.029	2.11E-08	0.006	0.007	0.393	0.008	31.369	TRUE	4.15E-08
FEV1FVC	CHGA	cg00813752	rs9658638	T	C	0.244	0.032	0.163	1.40E-14	-0.003	0.003	0.390	0.016	59.196	TRUE	4.24E-14
FEV1FVC	CHGA	cg01901466	rs2402224	T	C	0.192	0.024	0.491	3.74E-16	-0.005	0.002	0.043	0.018	66.332	TRUE	3.11E-15
FEV1FVC	CHGA	cg02327501	rs140723329	A	G	0.312	0.053	0.046	5.17E-09	0.001	0.006	0.811	0.009	34.106	TRUE	7.45E-09
FEV1FVC	CHGA	cg02327501	rs750678	G	A	-0.168	0.024	0.370	3.37E-12	-0.004	0.003	0.103	0.013	48.433	TRUE	1.43E-11
FEV1FVC	CHGA	cg02327501	rs9658638	T	C	0.316	0.031	0.163	3.25E-24	-0.003	0.003	0.390	0.027	103.005	TRUE	2.04E-23
FEV1FVC	CHGA	cg10166151	rs2402224	T	C	0.246	0.023	0.491	4.55E-26	-0.005	0.002	0.043	0.029	111.459	TRUE	1.07E-24
FEV1FVC	CHGA	cg15480367	rs2295396	C	T	-0.158	0.028	0.232	1.02E-08	-0.003	0.003	0.311	0.009	32.793	TRUE	2.25E-08
FEV1FVC	CHGA	cg16290737	rs11160097	T	C	0.183	0.031	0.190	2.07E-09	-0.013	0.003	2.34E-05	0.010	35.890	TRUE	2.88E-08
FEV1FVC	CHGA	cg16290737	rs1740593	A	G	-0.183	0.026	0.290	1.13E-12	0.005	0.003	0.055	0.013	50.578	TRUE	6.22E-12
FEV1FVC	CHGA	cg16290737	rs45585434	T	C	0.280	0.045	0.074	3.47E-10	0.006	0.004	0.146	0.011	39.370	TRUE	1.10E-09
FEV1FVC	CHGA	cg16290737	rs4905009	T	A	-0.663	0.027	0.230	2.00E-131	0.006	0.003	0.051	0.139	594.723	TRUE	7.11E-122
FEV1FVC	CHGA	cg16290737	rs9658638	T	C	0.308	0.032	0.163	2.41E-22	-0.003	0.003	0.390	0.025	94.480	TRUE	1.30E-21
FEV1FVC	CHGA	cg18397726	rs12436684	G	C	-0.182	0.031	0.187	7.21E-09	-0.002	0.003	0.427	0.009	33.458	TRUE	1.39E-08
FEV1FVC	CHGA	cg18397726	rs144938064	A	G	-2.190	0.132	0.017	2.86E-62	-0.007	0.009	0.397	0.070	277.181	TRUE	1.19E-59
FEV1FVC	CHGA	cg18397726	rs79701852	A	G	-0.450	0.080	0.022	2.09E-08	0.006	0.008	0.455	0.008	31.395	TRUE	3.86E-08
FEV1FVC	CHGA	cg23013853	rs11160097	T	C	0.236	0.030	0.190	9.27E-15	-0.013	0.003	2.34E-05	0.016	60.013	TRUE	3.21E-13
FEV1FVC	CHGA	cg23013853	rs114869373	C	T	0.370	0.028	0.231	1.39E-40	-0.003	0.003	0.351	0.046	177.803	TRUE	4.58E-39
FEV1FVC	CHGA	cg23013853	rs1740593	A	G	-0.239	0.026	0.290	1.28E-20	0.005	0.003	0.055	0.023	86.621	TRUE	1.57E-19
FEV1FVC	CHGA	cg23013853	rs2281516	C	T	0.196	0.025	0.319	7.39E-15	0.005	0.003	0.056	0.016	60.458	TRUE	4.93E-14
FEV1FVC	CHGA	cg23013853	rs36071367	C	G	0.190	0.029	0.215	3.87E-11	0.005	0.003	0.100	0.012	43.656	TRUE	1.51E-10
FEV1FVC	CHGA	cg23013853	rs7159323	A	C	-0.713	0.027	0.228	1.09E-152	0.006	0.003	0.038	0.158	692.440	TRUE	1.73E-140
FEV1FVC	CHGA	cg23013853	rs77927883	G	C	-0.499	0.060	0.042	1.05E-16	-0.006	0.006	0.339	0.018	68.843	TRUE	3.90E-16
FEV1FVC	CHGA	cg23013853	rs941541	A	G	-0.293	0.053	0.046	3.37E-08	0.007	0.005	0.156	0.008	30.465	TRUE	8.80E-08
FEV1FVC	CISD1	cg09039206	rs1416759	C	T	0.243	0.028	0.228	2.18E-18	0.008	0.003	0.007	0.020	76.480	TRUE	3.87E-17
FEV1FVC	CISD1	cg16915659	rs1698469	A	C	-0.184	0.031	0.177	2.98E-09	-0.005	0.003	0.117	0.009	35.175	TRUE	9.41E-09
FEV1FVC	CISD1	cg16915659	rs2790176	G	A	-0.306	0.028	0.219	5.64E-27	0.009	0.003	0.004	0.030	115.599	TRUE	3.56E-25
FEV1FVC	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	0.010	0.002	5.59E-05	0.014	51.673	TRUE	1.39E-11
FEV1FVC	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	-0.002	0.003	0.477	0.014	52.012	TRUE	1.29E-12

FEV1FVC	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	-0.017	0.006	0.003	0.014	52.555	TRUE	4.64E-12
FEV1FVC	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	-0.011	0.006	0.088	0.009	32.855	TRUE	3.14E-08
FEV1FVC	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	0.002	0.003	0.513	0.016	59.196	TRUE	3.56E-14
FEV1FVC	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	-0.008	0.005	0.099	0.330	1817.779	TRUE	<1E-200
FEV1FVC	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	-0.007	0.002	0.006	0.023	88.968	TRUE	1.05E-19
FEV1FVC	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	-0.002	0.003	0.367	0.028	106.985	TRUE	3.07E-24
FEV1FVC	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	-0.007	0.003	0.041	0.011	39.531	TRUE	1.43E-09
FEV1FVC	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	-0.009	0.007	0.198	0.017	65.776	TRUE	2.26E-15
FEV1FVC	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	0.006	0.009	0.508	0.017	64.538	TRUE	2.59E-15
FEV1FVC	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	0.006	0.003	0.025	0.019	72.841	TRUE	1.55E-16
FEV1FVC	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	-0.005	0.003	0.052	0.011	41.726	TRUE	4.69E-10
FEV1FVC	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	-0.005	0.003	0.038	0.028	106.434	TRUE	1.19E-23
FEV1FVC	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	0.004	0.002	0.079	0.075	299.324	TRUE	1.53E-63
FEV1FVC	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	-0.005	0.004	0.188	0.161	707.670	TRUE	3.08E-144
FEV1FVC	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	0.019	0.010	0.059	0.014	51.405	TRUE	3.93E-12
FEV1FVC	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	-0.002	0.003	0.595	0.009	32.640	TRUE	1.85E-08
FEV1FVC	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	-0.005	0.004	0.159	0.018	66.076	TRUE	2.20E-15
FEV1FVC	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	0.004	0.002	0.070	0.019	73.132	TRUE	9.40E-17
FEV1FVC	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	-0.017	0.006	0.003	0.014	52.740	TRUE	4.24E-12
FEV1FVC	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	-0.004	0.002	0.067	0.012	45.917	TRUE	5.57E-11
FEV1FVC	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	-0.001	0.003	0.669	0.030	112.666	TRUE	1.17E-25
FEV1FVC	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	-0.008	0.005	0.099	0.066	261.606	TRUE	6.07E-56
FEV1FVC	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	-0.008	0.003	0.002	0.015	56.091	TRUE	9.26E-13
FEV1FVC	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	0.004	0.002	0.087	0.014	54.032	TRUE	9.70E-13
FEV1FVC	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	-0.005	0.002	0.032	0.019	73.015	TRUE	1.30E-16
FEV1FVC	CLEC16A	cg02101434	rs248829	G	C	0.188	0.025	0.357	2.32E-14	-0.008	0.003	0.001	0.015	58.209	TRUE	3.88E-13
FEV1FVC	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	-0.005	0.004	0.167	0.076	302.166	TRUE	2.26E-64
FEV1FVC	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	-0.003	0.004	0.388	0.009	33.983	TRUE	1.12E-08
FEV1FVC	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	0.005	0.003	0.039	0.011	40.350	TRUE	9.86E-10
FEV1FVC	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	0.004	0.003	0.174	0.014	52.354	TRUE	1.70E-12
FEV1FVC	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	-0.003	0.003	0.280	0.011	40.126	TRUE	6.11E-10
FEV1FVC	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	0.007	0.003	0.006	0.072	288.915	TRUE	8.68E-61
FEV1FVC	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	0.000	0.009	0.986	0.009	32.086	TRUE	1.83E-08
FEV1FVC	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	-0.007	0.003	0.015	0.011	41.593	TRUE	6.53E-10
FEV1FVC	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	-0.015	0.005	0.005	0.011	41.041	TRUE	1.08E-09
FEV1FVC	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	0.004	0.009	0.690	0.012	43.128	TRUE	8.84E-11
FEV1FVC	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	0.003	0.003	0.360	0.022	84.691	TRUE	1.59E-19
FEV1FVC	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	-0.006	0.007	0.387	0.016	61.438	TRUE	1.40E-14
FEV1FVC	CLEC16A	cg05080940	rs12598008	G	C	-0.800	0.021	0.410	<1E-200	-0.004	0.002	0.128	0.285	1476.860	TRUE	1.15E-282
FEV1FVC	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	0.007	0.003	0.003	0.082	331.161	TRUE	4.28E-69
FEV1FVC	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	-0.009	0.007	0.172	0.033	126.080	TRUE	4.67E-28
FEV1FVC	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	-0.007	0.005	0.197	0.055	217.234	TRUE	4.78E-47

FEV1FVC	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	-0.006	0.002	0.011	0.016	60.667	TRUE	7.00E-14
FEV1FVC	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	-0.001	0.003	0.657	0.019	71.819	TRUE	6.09E-17
FEV1FVC	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	0.003	0.003	0.362	0.009	32.295	TRUE	2.71E-08
FEV1FVC	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	-0.002	0.002	0.443	0.013	48.377	TRUE	8.39E-12
FEV1FVC	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	0.021	0.007	0.002	0.010	37.194	TRUE	8.21E-09
FEV1FVC	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	-0.003	0.002	0.270	0.065	257.463	TRUE	1.99E-55
FEV1FVC	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	-0.006	0.003	0.039	0.048	188.382	TRUE	1.20E-40
FEV1FVC	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	-0.003	0.004	0.453	0.064	251.330	TRUE	2.05E-54
FEV1FVC	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	-0.005	0.002	0.049	0.036	137.835	TRUE	3.24E-30
FEV1FVC	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	0.005	0.005	0.410	0.012	43.796	TRUE	8.36E-11
FEV1FVC	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	0.009	0.004	0.034	0.013	47.342	TRUE	3.33E-11
FEV1FVC	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	0.019	0.010	0.059	0.009	32.445	TRUE	4.23E-08
FEV1FVC	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	0.005	0.005	0.333	0.025	96.102	TRUE	6.37E-22
FEV1FVC	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	-0.003	0.003	0.389	0.025	96.297	TRUE	5.34E-22
FEV1FVC	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	-0.008	0.002	7.96E-04	0.118	494.295	TRUE	4.89E-101
FEV1FVC	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	-0.006	0.004	0.103	0.034	129.354	TRUE	1.29E-28
FEV1FVC	CLEC16A	cg07486170	rs9937173	C	G	-0.144	0.025	0.338	4.09E-09	-0.003	0.003	0.248	0.009	34.562	TRUE	9.98E-09
FEV1FVC	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	0.010	0.003	2.49E-04	0.017	62.213	TRUE	7.94E-14
FEV1FVC	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	-0.006	0.004	0.090	0.053	205.610	TRUE	2.03E-44
FEV1FVC	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	0.014	0.003	2.75E-06	0.029	112.295	TRUE	9.30E-24
FEV1FVC	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	-0.009	0.007	0.198	0.011	39.870	TRUE	7.69E-10
FEV1FVC	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	0.006	0.009	0.508	0.013	50.367	TRUE	2.86E-12
FEV1FVC	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	0.009	0.003	0.002	0.014	50.897	TRUE	1.12E-11
FEV1FVC	CLEC16A	cg10468236	rs7185202	C	G	0.142	0.024	0.412	4.06E-09	-0.004	0.002	0.074	0.009	34.577	TRUE	1.41E-08
FEV1FVC	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	0.019	0.010	0.059	0.009	34.738	TRUE	1.37E-08
FEV1FVC	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	-0.005	0.004	0.143	0.082	329.037	TRUE	8.83E-70
FEV1FVC	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	-0.007	0.005	0.127	0.015	56.577	TRUE	2.51E-13
FEV1FVC	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	0.004	0.003	0.220	0.009	34.069	TRUE	1.32E-08
FEV1FVC	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	-0.005	0.004	0.167	0.012	45.951	TRUE	4.11E-11
FEV1FVC	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	-0.009	0.007	0.172	0.065	257.083	TRUE	3.44E-55
FEV1FVC	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	0.007	0.003	0.004	0.034	129.413	TRUE	4.30E-28
FEV1FVC	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	-0.007	0.005	0.147	0.010	36.745	TRUE	4.01E-09
FEV1FVC	CLTA	cg13630493	rs2890703	T	C	0.175	0.023	0.454	9.24E-14	-0.001	0.002	0.636	0.015	55.492	TRUE	1.95E-13
FEV1FVC	CLTA	cg13630493	rs71531218	G	C	-0.264	0.034	0.154	3.50E-15	-0.007	0.003	0.030	0.016	61.930	TRUE	2.85E-14
FEV1FVC	CLTB	cg18431408	rs111288271	A	G	-0.429	0.044	0.071	1.32E-22	0.006	0.005	0.189	0.025	95.678	TRUE	1.08E-21
FEV1FVC	CLTB	cg18431408	rs11956701	G	A	-0.168	0.023	0.459	6.85E-13	-0.006	0.002	0.009	0.014	51.559	TRUE	6.04E-12
FEV1FVC	CLTB	cg18431408	rs142388826	A	G	1.216	0.100	0.016	3.94E-34	0.001	0.009	0.874	0.039	148.287	TRUE	2.63E-33
FEV1FVC	CLTB	cg18431408	rs4868641	A	G	0.304	0.042	0.080	4.66E-13	0.002	0.004	0.690	0.014	52.316	TRUE	9.06E-13
FEV1FVC	CLTB	cg22584580	rs2913732	C	T	-0.130	0.024	0.496	4.02E-08	-0.003	0.002	0.212	0.008	30.125	TRUE	9.52E-08
FEV1FVC	CLTB	cg22584580	rs7736666	A	G	-0.224	0.025	0.330	5.18E-19	-0.004	0.003	0.117	0.021	79.314	TRUE	3.78E-18
FEV1FVC	CLTB	cg24735937	rs114640249	T	C	0.269	0.041	0.091	7.71E-11	0.006	0.004	0.182	0.011	42.308	TRUE	2.38E-10
FEV1FVC	CLTB	cg24735937	rs17078187	T	A	0.283	0.025	0.316	7.80E-29	-0.003	0.003	0.250	0.032	124.085	TRUE	9.75E-28

FEV1FVC	CLTB	cg24735937	rs3199427	A	G	0.180	0.028	0.226	1.36E-10	-0.001	0.003	0.654	0.011	41.195	TRUE	2.40E-10
FEV1FVC	CLTB	cg24735937	rs564145093	T	C	-0.287	0.042	0.081	5.29E-12	0.002	0.004	0.690	0.013	47.550	TRUE	9.72E-12
FEV1FVC	CLTB	cg24735937	rs62402495	T	C	0.502	0.086	0.041	5.98E-09	0.003	0.007	0.669	0.009	33.822	TRUE	9.58E-09
FEV1FVC	CLTB	cg24735937	rs67877276	T	C	0.568	0.024	0.381	7.83E-128	-0.006	0.003	0.025	0.135	578.216	TRUE	1.89E-118
FEV1FVC	CLTB	cg24735937	rs6862846	A	G	0.241	0.032	0.165	1.03E-13	-0.006	0.003	0.062	0.015	55.274	TRUE	5.94E-13
FEV1FVC	COL2A1	cg01906695	rs10875719	C	T	-0.195	0.024	0.365	7.52E-16	0.004	0.002	0.132	0.017	64.958	TRUE	4.14E-15
FEV1FVC	COL2A1	cg01906695	rs79159228	A	C	0.267	0.045	0.075	2.46E-09	0.001	0.004	0.779	0.010	35.554	TRUE	3.71E-09
FEV1FVC	COL2A1	cg05342945	rs12228854	T	G	-0.205	0.028	0.218	4.66E-13	-0.008	0.003	0.008	0.014	52.316	TRUE	4.08E-12
FEV1FVC	COL2A1	cg05342945	rs2732439	C	A	0.136	0.024	0.452	9.49E-09	-0.001	0.002	0.558	0.009	32.926	TRUE	1.64E-08
FEV1FVC	COL2A1	cg05342945	rs6580647	A	C	0.305	0.032	0.167	2.06E-21	0.000	0.003	0.911	0.024	90.238	TRUE	5.23E-21
FEV1FVC	COL2A1	cg08886711	rs3803184	G	C	0.220	0.033	0.167	1.37E-11	0.000	0.003	0.900	0.012	45.685	TRUE	2.06E-11
FEV1FVC	COL2A1	cg10502244	rs11168450	A	G	0.140	0.024	0.377	9.00E-09	0.001	0.002	0.745	0.009	33.029	TRUE	1.35E-08
FEV1FVC	COL2A1	cg10502244	rs12717995	C	T	-0.361	0.045	0.069	1.84E-15	0.001	0.005	0.803	0.017	63.192	TRUE	3.66E-15
FEV1FVC	COL2A1	cg10502244	rs141415801	T	G	-0.470	0.084	0.020	1.85E-08	0.010	0.009	0.267	0.008	31.629	TRUE	4.18E-08
FEV1FVC	COL2A1	cg10502244	rs74802509	A	G	0.277	0.045	0.075	5.37E-10	0.001	0.004	0.801	0.010	38.518	TRUE	8.13E-10
FEV1FVC	COL2A1	cg12235144	rs6580649	T	C	-0.244	0.032	0.169	1.53E-14	0.000	0.003	0.913	0.016	59.022	TRUE	2.59E-14
FEV1FVC	COL2A1	cg17342302	rs7132668	C	T	-0.252	0.032	0.170	1.86E-15	0.000	0.003	0.948	0.017	63.173	TRUE	3.22E-15
FEV1FVC	COL2A1	cg18990042	rs3803184	G	C	0.284	0.033	0.167	2.22E-18	0.000	0.003	0.900	0.020	76.445	TRUE	4.70E-18
FEV1FVC	COL2A1	cg19066141	rs1635528	C	T	0.342	0.032	0.170	9.89E-27	0.000	0.003	0.974	0.030	114.485	TRUE	3.24E-26
FEV1FVC	COL2A1	cg19601035	rs10875722	G	T	0.142	0.025	0.387	8.62E-09	0.002	0.002	0.353	0.009	33.112	TRUE	1.84E-08
FEV1FVC	COL2A1	cg24011408	rs117328080	T	C	0.345	0.054	0.094	2.19E-10	0.001	0.004	0.864	0.011	40.269	TRUE	3.20E-10
FEV1FVC	COL2A1	cg24011408	rs117938743	G	C	0.406	0.072	0.049	1.37E-08	0.004	0.006	0.450	0.009	32.206	TRUE	2.57E-08
FEV1FVC	COL2A1	cg24011408	rs12717995	C	T	0.284	0.045	0.069	3.44E-10	0.001	0.005	0.803	0.011	39.387	TRUE	5.24E-10
FEV1FVC	COL2A1	cg24011408	rs17614932	C	A	-0.307	0.046	0.070	1.43E-11	-0.012	0.005	0.009	0.012	45.606	TRUE	1.06E-10
FEV1FVC	COL2A1	cg24011408	rs1793959	T	C	-0.524	0.043	0.083	2.53E-34	-0.006	0.004	0.147	0.039	149.169	TRUE	7.63E-33
FEV1FVC	COL2A1	cg24011408	rs34392760	A	T	-0.314	0.053	0.047	3.70E-09	-0.010	0.005	0.059	0.009	34.759	TRUE	1.36E-08
FEV1FVC	COL2A1	cg24011408	rs59027910	A	G	0.322	0.029	0.188	8.86E-28	0.002	0.003	0.445	0.031	119.267	TRUE	6.61E-27
FEV1FVC	COL2A1	cg24011408	rs78730237	A	G	-0.365	0.046	0.074	1.23E-15	0.006	0.005	0.197	0.017	63.996	TRUE	5.46E-15
FEV1FVC	COL2A1	cg24011408	rs79159228	A	C	-0.363	0.044	0.075	3.30E-16	0.001	0.004	0.779	0.018	66.579	TRUE	7.11E-16
FEV1FVC	CSF2	cg08324925	rs11950815	A	G	0.217	0.024	0.370	4.49E-19	0.009	0.003	2.59E-04	0.021	79.598	TRUE	1.90E-17
FEV1FVC	CSF2	cg08324925	rs1291602	T	C	-0.201	0.033	0.157	1.19E-09	-0.002	0.003	0.457	0.010	36.972	TRUE	2.37E-09
FEV1FVC	CSF2	cg08324925	rs31467	T	C	0.384	0.023	0.489	3.73E-60	0.012	0.002	2.32E-07	0.067	267.484	TRUE	7.61E-55
FEV1FVC	CSF2	cg08324925	rs77335401	C	T	-0.318	0.037	0.121	4.23E-18	-0.031	0.004	1.22E-17	0.020	75.170	TRUE	6.53E-15
FEV1FVC	CSF2	cg13259290	rs1030271	G	C	0.156	0.024	0.351	1.26E-10	0.009	0.003	4.44E-04	0.011	41.355	TRUE	1.40E-09
FEV1FVC	CSF2	cg13259290	rs31467	T	C	0.215	0.024	0.489	8.91E-20	0.012	0.002	2.32E-07	0.022	82.794	TRUE	1.44E-17
FEV1FVC	CSF2	cg16465129	rs17674015	A	C	0.215	0.024	0.367	1.29E-19	0.009	0.003	1.89E-04	0.022	82.060	TRUE	6.10E-18
FEV1FVC	CSF2	cg16465129	rs283753	C	T	-0.188	0.033	0.144	1.34E-08	-0.010	0.004	0.005	0.009	32.248	TRUE	7.51E-08
FEV1FVC	CSF2	cg16565692	rs3864277	A	G	0.238	0.023	0.433	1.45E-24	0.011	0.002	3.71E-06	0.028	104.601	TRUE	3.49E-22
FEV1FVC	CSF2	cg26369418	rs31467	T	C	0.147	0.024	0.489	6.49E-10	0.012	0.002	2.32E-07	0.010	38.149	TRUE	1.64E-08
FEV1FVC	CTSA	cg03206537	rs3746506	G	A	0.151	0.024	0.386	3.51E-10	0.006	0.002	0.013	0.011	39.349	TRUE	2.11E-09
FEV1FVC	CTSA	cg08260891	rs742034	A	G	-0.210	0.024	0.377	2.38E-18	0.008	0.002	0.002	0.020	76.303	TRUE	6.00E-17
FEV1FVC	CTSA	cg19067730	rs742034	A	G	-0.188	0.024	0.377	5.44E-15	0.008	0.002	0.002	0.016	61.061	TRUE	8.85E-14

FEV1FVC	CTSW	cg01669108	rs10750766	C	A	-0.184	0.026	0.295	1.96E-12	0.003	0.003	0.225	0.013	49.498	TRUE	6.47E-12
FEV1FVC	CTSW	cg01669108	rs10791830	T	C	0.854	0.028	0.196	4.90E-208	0.008	0.003	0.007	0.204	946.876	TRUE	2.45E-187
FEV1FVC	CTSW	cg01669108	rs12146493	A	G	0.183	0.025	0.336	2.36E-13	0.000	0.003	0.902	0.014	53.649	TRUE	3.84E-13
FEV1FVC	CTSW	cg01669108	rs12294910	A	G	0.247	0.030	0.192	7.85E-17	-0.003	0.003	0.330	0.018	69.409	TRUE	2.99E-16
FEV1FVC	CTSW	cg01669108	rs145650095	T	C	-0.372	0.057	0.046	5.22E-11	-0.003	0.006	0.638	0.012	43.069	TRUE	9.50E-11
FEV1FVC	CTSW	cg01669108	rs35661464	T	C	0.151	0.027	0.256	2.50E-08	0.005	0.003	0.064	0.008	31.046	TRUE	8.46E-08
FEV1FVC	CTSW	cg01669108	rs473661	C	T	0.791	0.063	0.037	5.46E-36	0.005	0.007	0.426	0.041	156.788	TRUE	9.16E-35
FEV1FVC	CTSW	cg01669108	rs523029	T	G	0.237	0.024	0.438	2.27E-23	0.004	0.002	0.077	0.026	99.161	TRUE	3.02E-22
FEV1FVC	CTSW	cg01669108	rs560577	C	T	0.279	0.043	0.077	5.27E-11	0.011	0.004	0.009	0.012	43.050	TRUE	3.62E-10
FEV1FVC	CTSW	cg01669108	rs60109456	G	A	-0.142	0.024	0.369	5.64E-09	-0.004	0.003	0.100	0.009	33.937	TRUE	1.78E-08
FEV1FVC	CTSW	cg01669108	rs61895424	T	G	0.139	0.025	0.354	2.27E-08	0.004	0.003	0.096	0.008	31.236	TRUE	6.89E-08
FEV1FVC	CTSW	cg01669108	rs654638	G	A	-0.270	0.029	0.211	5.73E-21	-0.004	0.003	0.145	0.023	88.216	TRUE	4.56E-20
FEV1FVC	CTSW	cg01669108	rs76812270	A	G	0.657	0.058	0.039	3.83E-30	0.012	0.006	0.058	0.034	130.066	TRUE	1.21E-28
FEV1FVC	CTSW	cg01669108	rs79783977	G	A	0.801	0.093	0.017	5.53E-18	0.005	0.009	0.533	0.020	74.642	TRUE	1.73E-17
FEV1FVC	CTSW	cg03887787	rs10896018	A	G	-0.164	0.026	0.286	3.77E-10	-0.006	0.003	0.024	0.010	39.207	TRUE	1.87E-09
FEV1FVC	CTSW	cg03887787	rs11227378	G	A	-0.240	0.030	0.194	9.50E-16	-0.004	0.003	0.184	0.017	64.496	TRUE	4.42E-15
FEV1FVC	CTSW	cg03887787	rs11551353	A	T	0.606	0.048	0.061	1.23E-36	0.008	0.005	0.098	0.041	159.744	TRUE	6.03E-35
FEV1FVC	CTSW	cg03887787	rs117542775	T	C	0.493	0.064	0.031	1.23E-14	-0.001	0.007	0.907	0.016	59.458	TRUE	2.13E-14
FEV1FVC	CTSW	cg03887787	rs118186922	G	A	0.854	0.151	0.010	1.50E-08	0.014	0.013	0.290	0.009	32.040	TRUE	3.31E-08
FEV1FVC	CTSW	cg03887787	rs12576996	G	T	-0.357	0.027	0.254	3.31E-40	-0.007	0.003	0.015	0.045	176.086	TRUE	6.47E-38
FEV1FVC	CTSW	cg03887787	rs147398525	A	G	0.679	0.101	0.012	1.41E-11	0.030	0.013	0.017	0.012	45.630	TRUE	9.04E-11
FEV1FVC	CTSW	cg03887787	rs185542523	T	C	1.084	0.097	0.016	7.33E-29	0.005	0.009	0.533	0.032	124.208	TRUE	5.25E-28
FEV1FVC	CTSW	cg03887787	rs191644674	T	C	0.911	0.118	0.019	1.03E-14	0.003	0.009	0.776	0.016	59.810	TRUE	2.02E-14
FEV1FVC	CTSW	cg03887787	rs2271448	T	C	0.210	0.026	0.319	2.08E-16	0.001	0.003	0.584	0.018	67.488	TRUE	5.49E-16
FEV1FVC	CTSW	cg03887787	rs2276133	A	G	-0.276	0.027	0.244	9.31E-24	0.008	0.003	0.005	0.027	100.921	TRUE	3.43E-22
FEV1FVC	CTSW	cg03887787	rs35957860	T	C	1.574	0.062	0.036	2.71E-142	0.004	0.007	0.523	0.148	644.668	TRUE	7.42E-133
FEV1FVC	CTSW	cg03887787	rs3850947	C	T	0.195	0.027	0.256	5.48E-13	0.005	0.003	0.073	0.014	51.998	TRUE	2.82E-12
FEV1FVC	CTSW	cg03887787	rs3867128	T	C	-0.307	0.034	0.129	4.80E-19	0.008	0.004	0.018	0.021	79.467	TRUE	7.06E-18
FEV1FVC	CTSW	cg03887787	rs560577	C	T	0.339	0.043	0.077	1.57E-15	0.011	0.004	0.009	0.017	63.506	TRUE	1.85E-14
FEV1FVC	CTSW	cg03887787	rs633727	G	A	-0.150	0.023	0.487	1.38E-10	-0.004	0.002	0.138	0.011	41.173	TRUE	4.52E-10
FEV1FVC	CTSW	cg03887787	rs654638	G	A	-0.349	0.029	0.211	2.83E-34	-0.004	0.003	0.145	0.039	148.944	TRUE	8.32E-33
FEV1FVC	CTSW	cg03887787	rs67924081	G	A	0.265	0.026	0.266	4.17E-24	-0.005	0.003	0.070	0.027	102.513	TRUE	6.37E-23
FEV1FVC	CTSW	cg03887787	rs71457704	A	G	-0.292	0.053	0.054	2.97E-08	-0.004	0.006	0.550	0.008	30.707	TRUE	5.01E-08
FEV1FVC	CTSW	cg03887787	rs76584642	G	T	-0.299	0.044	0.079	1.12E-11	-0.004	0.004	0.313	0.012	46.080	TRUE	3.00E-11
FEV1FVC	CTSW	cg03887787	rs77779142	T	C	1.101	0.028	0.158	<1E-200	0.009	0.003	0.005	0.300	1587.170	TRUE	1.98E-299
FEV1FVC	CTSW	cg03887787	rs78780936	G	A	-0.271	0.045	0.075	1.93E-09	0.001	0.004	0.875	0.010	36.025	TRUE	2.70E-09
FEV1FVC	CTSW	cg03887787	rs7948058	A	T	0.145	0.025	0.298	1.09E-08	0.001	0.003	0.630	0.009	32.655	TRUE	1.79E-08
FEV1FVC	CTSW	cg08416661	rs10791865	A	C	0.175	0.023	0.445	8.17E-14	0.006	0.002	0.012	0.015	55.733	TRUE	7.59E-13
FEV1FVC	CTSW	cg08416661	rs10896007	A	T	0.196	0.029	0.208	1.04E-11	-0.001	0.003	0.634	0.012	46.235	TRUE	1.96E-11
FEV1FVC	CTSW	cg08416661	rs113018139	T	C	0.610	0.106	0.011	8.80E-09	0.025	0.012	0.043	0.009	33.073	TRUE	3.36E-08
FEV1FVC	CTSW	cg08416661	rs117542775	T	C	0.367	0.064	0.031	8.98E-09	-0.001	0.007	0.907	0.009	33.033	TRUE	1.20E-08
FEV1FVC	CTSW	cg08416661	rs12576802	T	G	-0.173	0.023	0.488	1.54E-13	-0.005	0.002	0.027	0.015	54.490	TRUE	1.10E-12

FEV1FVC	CTSW	cg08416661	rs2276133	A	G	-0.153	0.027	0.244	2.67E-08	0.008	0.003	0.005	0.008	30.918	TRUE	1.44E-07
FEV1FVC	CTSW	cg08416661	rs596002	A	G	0.600	0.029	0.198	2.82E-98	0.009	0.003	0.003	0.107	442.446	TRUE	2.83E-91
FEV1FVC	CTSW	cg08416661	rs76812270	A	G	0.480	0.058	0.039	8.06E-17	0.012	0.006	0.058	0.018	69.358	TRUE	6.43E-16
FEV1FVC	CTSW	cg08416661	rs7941126	A	G	0.192	0.023	0.486	1.52E-16	-0.003	0.002	0.159	0.018	68.101	TRUE	8.09E-16
FEV1FVC	CTSW	cg08416661	rs7952056	T	C	-0.145	0.025	0.342	3.39E-09	-0.004	0.003	0.106	0.009	34.925	TRUE	1.07E-08
FEV1FVC	CTSW	cg08416661	rs79783977	G	A	0.699	0.092	0.017	3.92E-14	0.005	0.009	0.533	0.015	57.179	TRUE	9.55E-14
FEV1FVC	CTSW	cg18410078	rs10896045	A	G	0.338	0.026	0.285	9.38E-39	0.008	0.003	0.003	0.044	169.437	TRUE	2.90E-36
FEV1FVC	CTSW	cg18410078	rs113018139	T	C	0.705	0.107	0.011	3.72E-11	0.025	0.012	0.043	0.012	43.731	TRUE	1.83E-10
FEV1FVC	CTSW	cg18410078	rs117542775	T	C	0.553	0.064	0.031	5.05E-18	-0.001	0.007	0.907	0.020	74.822	TRUE	1.05E-17
FEV1FVC	CTSW	cg18410078	rs117827012	T	C	-0.289	0.043	0.080	1.54E-11	-0.002	0.004	0.695	0.012	45.461	TRUE	2.73E-11
FEV1FVC	CTSW	cg18410078	rs143671198	T	G	-0.658	0.064	0.035	9.43E-25	0.007	0.007	0.302	0.028	105.456	TRUE	7.29E-24
FEV1FVC	CTSW	cg18410078	rs148082853	A	G	0.660	0.110	0.010	1.78E-09	0.000	0.011	0.983	0.010	36.180	TRUE	2.30E-09
FEV1FVC	CTSW	cg18410078	rs183362235	C	T	0.324	0.044	0.080	2.31E-13	0.004	0.005	0.323	0.014	53.696	TRUE	6.87E-13
FEV1FVC	CTSW	cg18410078	rs185030002	A	G	0.587	0.048	0.058	1.87E-34	0.006	0.005	0.213	0.039	149.768	TRUE	4.48E-33
FEV1FVC	CTSW	cg18410078	rs185542523	T	C	1.105	0.097	0.016	5.94E-30	0.005	0.009	0.533	0.034	129.192	TRUE	4.66E-29
FEV1FVC	CTSW	cg18410078	rs2105608	A	T	0.274	0.025	0.317	1.09E-27	0.004	0.003	0.146	0.031	118.849	TRUE	1.62E-26
FEV1FVC	CTSW	cg18410078	rs2276133	A	G	-0.185	0.028	0.244	2.11E-11	0.008	0.003	0.005	0.012	44.839	TRUE	1.72E-10
FEV1FVC	CTSW	cg18410078	rs2845570	G	T	-0.147	0.023	0.444	3.59E-10	-0.001	0.002	0.848	0.011	39.303	TRUE	5.35E-10
FEV1FVC	CTSW	cg18410078	rs4930354	C	T	-0.165	0.023	0.471	1.92E-12	-0.003	0.002	0.281	0.013	49.533	TRUE	5.76E-12
FEV1FVC	CTSW	cg18410078	rs56038054	T	C	0.344	0.027	0.235	5.90E-36	0.009	0.003	0.002	0.041	156.634	TRUE	1.54E-33
FEV1FVC	CTSW	cg18410078	rs608504	T	C	0.279	0.051	0.060	4.62E-08	0.008	0.005	0.120	0.008	29.853	TRUE	1.27E-07
FEV1FVC	CTSW	cg18410078	rs633727	G	A	-0.146	0.023	0.487	4.17E-10	-0.004	0.002	0.138	0.010	39.011	TRUE	1.31E-09
FEV1FVC	CTSW	cg18410078	rs654638	G	A	-0.229	0.029	0.211	1.62E-15	-0.004	0.003	0.145	0.017	63.441	TRUE	7.99E-15
FEV1FVC	CTSW	cg18410078	rs77779142	T	C	1.119	0.027	0.158	<1E-200	0.009	0.003	0.005	0.312	1680.983	TRUE	<1E-200
FEV1FVC	CTSW	cg18410078	rs7941126	A	G	0.265	0.023	0.486	4.37E-30	-0.003	0.002	0.159	0.034	129.803	TRUE	8.16E-29
FEV1FVC	CTSW	cg18410078	rs7952056	T	C	-0.307	0.024	0.342	4.77E-36	-0.004	0.003	0.106	0.041	157.055	TRUE	2.07E-34
FEV1FVC	CTSW	cg19792802	rs10896045	A	G	0.166	0.026	0.285	1.09E-10	0.008	0.003	0.003	0.011	41.628	TRUE	9.01E-10
FEV1FVC	CTSW	cg19792802	rs12225345	G	A	0.494	0.031	0.160	4.16E-58	0.009	0.003	0.004	0.065	258.098	TRUE	2.24E-54
FEV1FVC	CTSW	cg19792802	rs12790095	G	T	0.154	0.025	0.315	4.38E-10	-0.002	0.003	0.441	0.010	38.913	TRUE	9.12E-10
FEV1FVC	CTSW	cg19792802	rs55931871	C	T	0.169	0.026	0.285	4.93E-11	0.008	0.003	0.002	0.012	43.183	TRUE	4.36E-10
FEV1FVC	CTSW	cg19792802	rs7113428	A	G	-0.160	0.024	0.341	5.18E-11	-0.004	0.003	0.153	0.012	43.086	TRUE	1.74E-10
FEV1FVC	CTSW	cg19792802	rs9326360	A	G	0.544	0.100	0.016	4.69E-08	0.004	0.011	0.737	0.008	29.826	TRUE	6.82E-08
FEV1FVC	CTSW	cg23483894	rs10791830	T	C	0.461	0.029	0.196	2.66E-57	0.008	0.003	0.007	0.064	254.404	TRUE	8.84E-54
FEV1FVC	CTSW	cg23483894	rs12576996	G	T	-0.163	0.027	0.254	1.60E-09	-0.007	0.003	0.015	0.010	36.392	TRUE	8.32E-09
FEV1FVC	CTSW	cg23483894	rs185030002	A	G	0.289	0.048	0.058	1.74E-09	0.006	0.005	0.213	0.010	36.228	TRUE	4.57E-09
FEV1FVC	CTSW	cg23483894	rs61893865	A	G	0.469	0.065	0.036	3.80E-13	0.005	0.007	0.429	0.014	52.717	TRUE	9.78E-13
FEV1FVC	CTSW	cg23483894	rs654638	G	A	-0.158	0.029	0.211	3.57E-08	-0.004	0.003	0.145	0.008	30.352	TRUE	9.37E-08
FEV1FVC	CTSW	cg25470561	rs11227335	A	C	0.514	0.064	0.036	1.08E-15	0.005	0.007	0.427	0.017	64.246	TRUE	3.33E-15
FEV1FVC	CTSW	cg25470561	rs12576996	G	T	-0.158	0.027	0.254	5.24E-09	-0.007	0.003	0.015	0.009	34.081	TRUE	2.56E-08
FEV1FVC	CTSW	cg25470561	rs687672	T	C	0.511	0.029	0.197	2.10E-70	0.008	0.003	0.005	0.078	314.500	TRUE	7.28E-66
FEV1FVC	CTSW	cg25470561	rs76812270	A	G	0.340	0.058	0.039	3.82E-09	0.012	0.006	0.058	0.009	34.692	TRUE	1.42E-08
FEV1FVC	CTSW	cg25470561	rs79783977	G	A	0.513	0.093	0.017	3.08E-08	0.005	0.009	0.533	0.008	30.643	TRUE	5.26E-08

FEV1FVC	CTTN	cg02011981	rs12808511	G	A	0.155	0.027	0.243	1.68E-08	-0.013	0.003	3.82E-06	0.009	31.814	TRUE	2.41E-07
FEV1FVC	CTTN	cg02848448	rs10793121	C	T	-0.149	0.025	0.343	1.97E-09	-0.007	0.003	0.004	0.010	35.982	TRUE	1.31E-08
FEV1FVC	CTTN	cg02848448	rs145682166	G	A	0.817	0.084	0.017	1.66E-22	-0.003	0.009	0.723	0.025	95.224	TRUE	5.58E-22
FEV1FVC	CTTN	cg02848448	rs1940236	T	C	0.231	0.038	0.112	8.54E-10	-0.006	0.004	0.097	0.010	37.613	TRUE	2.94E-09
FEV1FVC	CTTN	cg05226335	rs11602439	A	G	-0.462	0.039	0.105	2.51E-32	-0.001	0.004	0.879	0.036	140.043	TRUE	1.43E-31
FEV1FVC	CTTN	cg05226335	rs12800676	A	C	0.830	0.020	0.454	<1E-200	-0.008	0.002	8.33E-04	0.323	1765.546	TRUE	<1E-200
FEV1FVC	CTTN	cg05226335	rs143873972	A	T	0.227	0.035	0.284	1.24E-10	0.002	0.003	0.523	0.011	41.382	TRUE	2.48E-10
FEV1FVC	CTTN	cg05226335	rs147959065	G	A	0.810	0.146	0.017	2.88E-08	0.019	0.010	0.045	0.008	30.769	TRUE	1.03E-07
FEV1FVC	CTTN	cg05226335	rs1876	C	T	0.273	0.039	0.097	2.48E-12	-0.006	0.004	0.117	0.013	49.031	TRUE	1.02E-11
FEV1FVC	CTTN	cg05226335	rs34199493	T	C	-0.209	0.024	0.445	3.91E-18	-0.005	0.002	0.045	0.020	75.324	TRUE	3.98E-17
FEV1FVC	CTTN	cg05226335	rs35354974	G	A	0.506	0.035	0.146	2.30E-46	-0.009	0.003	0.005	0.052	204.284	TRUE	1.80E-43
FEV1FVC	CTTN	cg05226335	rs3781658	A	G	-0.145	0.024	0.424	1.28E-09	-0.006	0.002	0.012	0.010	36.822	TRUE	7.20E-09
FEV1FVC	CTTN	cg05226335	rs556615	G	C	0.230	0.026	0.256	3.06E-18	0.005	0.003	0.057	0.020	75.812	TRUE	2.86E-17
FEV1FVC	CTTN	cg05226335	rs61887408	A	G	0.589	0.080	0.021	2.32E-13	-0.018	0.008	0.024	0.014	53.688	TRUE	1.69E-12
FEV1FVC	CTTN	cg05226335	rs77584792	T	C	0.997	0.114	0.027	2.13E-18	-0.009	0.007	0.219	0.020	76.525	TRUE	1.14E-17
FEV1FVC	CTTN	cg05226335	rs7940864	T	C	-0.201	0.026	0.294	7.47E-15	0.005	0.003	0.085	0.016	60.436	TRUE	4.33E-14
FEV1FVC	CTTN	cg07005180	rs12802229	A	G	0.186	0.028	0.221	4.18E-11	-0.014	0.003	2.51E-06	0.012	43.502	TRUE	1.11E-09
FEV1FVC	CTTN	cg09869226	rs3132424	G	T	0.347	0.023	0.447	1.45E-50	-0.008	0.002	0.001	0.057	223.522	TRUE	3.70E-47
FEV1FVC	CTTN	cg10395806	rs10793121	C	T	-0.180	0.025	0.343	3.71E-13	-0.007	0.003	0.004	0.014	52.762	TRUE	4.01E-12
FEV1FVC	CTTN	cg11194613	rs10793121	C	T	-0.170	0.025	0.343	6.97E-12	-0.007	0.003	0.004	0.013	47.010	TRUE	6.40E-11
FEV1FVC	CTTN	cg11194613	rs544083581	G	T	-0.419	0.068	0.031	5.61E-10	-0.007	0.007	0.269	0.010	38.430	TRUE	1.42E-09
FEV1FVC	CTTN	cg12127706	rs117711190	C	T	0.383	0.068	0.031	1.48E-08	-0.004	0.007	0.609	0.009	32.056	TRUE	2.44E-08
FEV1FVC	CTTN	cg12127706	rs12800598	G	T	-0.732	0.024	0.298	1.44E-202	-0.009	0.003	3.15E-04	0.199	921.741	TRUE	1.25E-181
FEV1FVC	CTTN	cg12127706	rs1876	C	T	-0.260	0.039	0.097	2.57E-11	-0.006	0.004	0.117	0.012	44.454	TRUE	9.61E-11
FEV1FVC	CTTN	cg12127706	rs2186797	C	T	0.292	0.045	0.074	1.25E-10	0.010	0.005	0.036	0.011	41.366	TRUE	6.02E-10
FEV1FVC	CTTN	cg12127706	rs34199493	T	C	0.171	0.024	0.445	1.18E-12	-0.005	0.002	0.045	0.013	50.485	TRUE	6.87E-12
FEV1FVC	CTTN	cg12127706	rs35512487	T	C	-0.353	0.028	0.216	1.17E-35	0.000	0.003	0.896	0.040	155.269	TRUE	8.68E-35
FEV1FVC	CTTN	cg12127706	rs61887408	A	G	-0.562	0.081	0.021	2.95E-12	-0.018	0.008	0.024	0.013	48.695	TRUE	1.91E-11
FEV1FVC	CTTN	cg12127706	rs74493812	G	C	-0.290	0.051	0.054	1.32E-08	-0.002	0.005	0.704	0.009	32.279	TRUE	2.01E-08
FEV1FVC	CTTN	cg12127706	rs74685551	T	C	0.678	0.119	0.022	1.30E-08	0.007	0.009	0.420	0.009	32.308	TRUE	2.53E-08
FEV1FVC	CTTN	cg12127706	rs77584792	T	C	-0.685	0.115	0.027	2.46E-09	-0.009	0.007	0.219	0.010	35.555	TRUE	6.35E-09
FEV1FVC	CTTN	cg12127706	rs7940864	T	C	0.193	0.026	0.294	9.80E-14	0.005	0.003	0.085	0.015	55.377	TRUE	5.11E-13
FEV1FVC	CTTN	cg12127706	rs7943389	C	T	0.226	0.033	0.146	4.42E-12	0.002	0.003	0.638	0.013	47.904	TRUE	8.55E-12
FEV1FVC	CTTN	cg13414679	rs11236166	C	T	-0.195	0.028	0.230	4.39E-12	-0.015	0.003	4.43E-07	0.013	47.917	TRUE	1.59E-10
FEV1FVC	CTTN	cg13414679	rs12283131	G	A	-0.250	0.025	0.339	4.54E-24	-0.004	0.003	0.136	0.027	102.345	TRUE	5.02E-23
FEV1FVC	CTTN	cg13802316	rs11236302	T	C	0.558	0.035	0.146	7.47E-56	-0.009	0.003	0.005	0.063	247.763	TRUE	2.46E-52
FEV1FVC	CTTN	cg13802316	rs147959065	G	A	0.806	0.146	0.017	3.32E-08	0.019	0.010	0.045	0.008	30.493	TRUE	1.18E-07
FEV1FVC	CTTN	cg13802316	rs1876	C	T	0.279	0.039	0.097	7.64E-13	-0.006	0.004	0.117	0.014	51.344	TRUE	3.27E-12
FEV1FVC	CTTN	cg13802316	rs2186797	C	T	-0.254	0.045	0.074	2.36E-08	0.010	0.005	0.036	0.008	31.153	TRUE	8.89E-08
FEV1FVC	CTTN	cg13802316	rs34199493	T	C	-0.204	0.024	0.445	2.56E-17	-0.005	0.002	0.045	0.019	71.621	TRUE	2.39E-16
FEV1FVC	CTTN	cg13802316	rs525595	A	C	0.349	0.028	0.228	3.02E-35	-0.014	0.003	3.34E-06	0.040	153.388	TRUE	3.64E-32
FEV1FVC	CTTN	cg13802316	rs555745	G	T	0.227	0.026	0.256	4.67E-18	0.005	0.003	0.064	0.020	74.975	TRUE	4.16E-17

FEV1FVC	CTTN	cg13802316	rs670012	G	T	0.812	0.021	0.340	<1E-200	-0.004	0.003	0.142	0.279	1429.041	TRUE	1.48E-274
FEV1FVC	CTTN	cg13802316	rs77584792	T	C	0.955	0.114	0.027	5.56E-17	-0.009	0.007	0.219	0.019	70.091	TRUE	2.65E-16
FEV1FVC	CTTN	cg13802316	rs7940864	T	C	-0.172	0.026	0.294	2.73E-11	0.005	0.003	0.085	0.012	44.337	TRUE	1.13E-10
FEV1FVC	CTTN	cg13802316	rs7943389	C	T	-0.458	0.032	0.146	1.24E-45	0.002	0.003	0.638	0.052	200.930	TRUE	3.70E-44
FEV1FVC	CTTN	cg14191688	rs12795250	C	T	0.356	0.028	0.221	3.62E-36	-0.014	0.003	3.34E-06	0.041	157.603	TRUE	5.07E-33
FEV1FVC	CTTN	cg15465439	rs4523719	G	A	0.188	0.032	0.487	7.70E-09	-0.002	0.002	0.389	0.009	33.332	TRUE	1.57E-08
FEV1FVC	CTTN	cg15465439	rs7944627	C	A	0.440	0.028	0.226	3.97E-56	-0.014	0.003	7.66E-07	0.063	249.023	TRUE	2.70E-51
FEV1FVC	CTTN	cg16061668	rs12801468	A	G	0.255	0.029	0.215	8.20E-19	-0.014	0.003	2.34E-06	0.021	78.408	TRUE	8.31E-17
FEV1FVC	CTTN	cg16629523	rs11236048	G	A	-0.290	0.028	0.218	2.17E-24	0.000	0.003	0.945	0.027	103.809	TRUE	6.30E-24
FEV1FVC	CTTN	cg16629523	rs12800598	G	T	-0.662	0.024	0.298	1.04E-161	-0.009	0.003	3.15E-04	0.166	733.900	TRUE	9.74E-147
FEV1FVC	CTTN	cg16629523	rs1876	C	T	-0.224	0.039	0.097	9.89E-09	-0.006	0.004	0.117	0.009	32.845	TRUE	2.93E-08
FEV1FVC	CTTN	cg16629523	rs2186797	C	T	0.253	0.045	0.074	2.73E-08	0.010	0.005	0.036	0.008	30.876	TRUE	1.02E-07
FEV1FVC	CTTN	cg16629523	rs2509140	A	C	0.135	0.024	0.451	2.01E-08	-0.005	0.002	0.047	0.008	31.467	TRUE	7.29E-08
FEV1FVC	CTTN	cg16629523	rs61887408	A	G	-0.503	0.081	0.021	4.20E-10	-0.018	0.008	0.024	0.010	38.994	TRUE	2.14E-09
FEV1FVC	CTTN	cg16629523	rs74685551	T	C	0.683	0.119	0.022	9.70E-09	0.007	0.009	0.420	0.009	32.883	TRUE	1.90E-08
FEV1FVC	CTTN	cg16629523	rs7940864	T	C	0.160	0.026	0.294	6.98E-10	0.005	0.003	0.085	0.010	38.007	TRUE	2.53E-09
FEV1FVC	CTTN	cg16629523	rs7943389	C	T	0.192	0.033	0.146	4.25E-09	0.002	0.003	0.638	0.009	34.489	TRUE	6.99E-09
FEV1FVC	CTTN	cg17631184	rs34053053	T	C	-0.200	0.034	0.141	6.54E-09	-0.011	0.003	0.001	0.009	33.648	TRUE	4.90E-08
FEV1FVC	CTTN	cg22720428	rs4570606	C	T	0.152	0.028	0.244	3.71E-08	-0.013	0.003	3.93E-06	0.008	30.278	TRUE	4.86E-07
FEV1FVC	CTTN	cg24395117	rs4367974	T	C	0.207	0.034	0.153	8.66E-10	-0.010	0.003	0.003	0.010	37.584	TRUE	6.36E-09
FEV1FVC	CTTN	cg25587405	rs12801756	G	A	0.153	0.027	0.245	1.53E-08	-0.013	0.003	5.61E-06	0.009	32.003	TRUE	2.05E-07
FEV1FVC	CTTN	cg27326318	rs2298396	T	C	0.252	0.028	0.225	6.64E-19	-0.015	0.003	4.65E-07	0.021	78.824	TRUE	8.31E-17
FEV1FVC	CUL4A	cg07827107	rs9549698	G	A	-0.154	0.027	0.262	9.27E-09	-0.012	0.003	4.97E-05	0.009	32.972	TRUE	1.02E-07
FEV1FVC	CUL4A	cg10012867	rs3861723	G	A	0.246	0.027	0.248	9.89E-20	-0.012	0.003	4.21E-05	0.022	82.585	TRUE	6.79E-18
FEV1FVC	CUL4A	cg10914120	rs9549361	C	T	0.236	0.028	0.239	1.07E-17	-0.012	0.003	3.58E-05	0.019	73.347	TRUE	5.84E-16
FEV1FVC	CUL4A	cg11232054	rs56129102	T	C	-0.225	0.026	0.278	4.61E-18	-0.003	0.003	0.346	0.020	75.001	TRUE	1.86E-17
FEV1FVC	CUL4A	cg14896830	rs35306827	A	G	0.200	0.028	0.240	4.98E-13	-0.011	0.003	9.19E-05	0.014	52.186	TRUE	1.02E-11
FEV1FVC	CUL4A	cg17689702	rs3764125	A	G	0.246	0.028	0.241	5.11E-19	-0.011	0.003	5.96E-05	0.021	79.344	TRUE	3.06E-17
FEV1FVC	DAB2IP	cg01305539	rs10117555	G	A	-0.252	0.034	0.135	8.23E-14	-0.003	0.004	0.446	0.015	55.719	TRUE	2.14E-13
FEV1FVC	DAB2IP	cg03225208	rs10985344	A	G	0.219	0.026	0.257	4.40E-17	0.000	0.003	0.966	0.019	70.549	TRUE	8.10E-17
FEV1FVC	DAB2IP	cg04661709	rs10985196	A	C	0.160	0.029	0.206	2.63E-08	-0.001	0.003	0.742	0.008	30.944	TRUE	3.89E-08
FEV1FVC	DAB2IP	cg04661709	rs10985287	A	G	-0.257	0.025	0.288	3.15E-24	0.000	0.003	0.914	0.027	103.070	TRUE	9.47E-24
FEV1FVC	DAB2IP	cg04661709	rs4836858	T	A	0.347	0.024	0.392	2.01E-47	-0.001	0.003	0.817	0.054	209.131	TRUE	5.34E-46
FEV1FVC	DAB2IP	cg04661709	rs58802731	A	C	0.375	0.032	0.159	7.36E-31	-0.006	0.003	0.081	0.035	133.336	TRUE	2.10E-29
FEV1FVC	DAB2IP	cg04661709	rs7468120	A	G	-0.145	0.026	0.278	3.55E-08	-0.001	0.003	0.827	0.008	30.367	TRUE	4.87E-08
FEV1FVC	DAB2IP	cg08980461	rs10818576	G	T	-0.267	0.027	0.243	4.99E-23	0.001	0.003	0.791	0.026	97.598	TRUE	1.58E-22
FEV1FVC	DAB2IP	cg10394788	rs10985290	A	G	-0.299	0.042	0.079	1.67E-12	0.000	0.004	0.986	0.013	49.807	TRUE	2.45E-12
FEV1FVC	DAB2IP	cg10394788	rs1548782	T	A	0.143	0.024	0.390	3.65E-09	0.000	0.002	0.905	0.009	34.781	TRUE	4.96E-09
FEV1FVC	DAB2IP	cg10394788	rs2777319	T	C	-0.463	0.024	0.390	3.34E-85	-0.001	0.003	0.750	0.094	382.415	TRUE	2.01E-81
FEV1FVC	DAB2IP	cg10394788	rs514823	T	C	0.199	0.028	0.221	9.42E-13	-0.003	0.003	0.358	0.014	50.933	TRUE	2.54E-12
FEV1FVC	DAB2IP	cg10394788	rs72758110	T	G	0.672	0.090	0.017	6.56E-14	-0.007	0.010	0.488	0.015	56.165	TRUE	1.66E-13
FEV1FVC	DAB2IP	cg10394788	rs76331566	T	C	0.494	0.051	0.052	3.69E-22	-0.006	0.005	0.289	0.025	93.641	TRUE	2.36E-21

FEV1FVC	DAB2IP	cg10394788	rs7873850	A	C	0.367	0.031	0.182	1.68E-32	-0.006	0.003	0.081	0.037	140.840	TRUE	5.82E-31
FEV1FVC	DAB2IP	cg13571216	rs75389670	G	C	0.541	0.072	0.027	4.00E-14	-0.001	0.007	0.951	0.015	57.138	TRUE	6.50E-14
FEV1FVC	DAB2IP	cg13758780	rs112281448	A	G	-0.295	0.051	0.055	1.06E-08	-0.006	0.005	0.255	0.009	32.717	TRUE	2.46E-08
FEV1FVC	DAB2IP	cg13758780	rs12380661	T	C	0.386	0.025	0.362	1.36E-54	0.006	0.003	0.028	0.061	241.978	TRUE	1.53E-51
FEV1FVC	DAB2IP	cg13758780	rs1359085	G	A	0.173	0.024	0.430	2.08E-13	-0.001	0.002	0.775	0.014	53.899	TRUE	3.83E-13
FEV1FVC	DAB2IP	cg13758780	rs58802731	A	C	-0.468	0.032	0.159	9.59E-48	-0.006	0.003	0.081	0.054	210.600	TRUE	2.04E-45
FEV1FVC	DAB2IP	cg13758780	rs6478506	A	G	-0.176	0.029	0.200	1.51E-09	0.000	0.003	0.896	0.010	36.503	TRUE	2.09E-09
FEV1FVC	DAB2IP	cg13758780	rs7039494	T	A	-0.204	0.030	0.181	2.19E-11	-0.001	0.003	0.790	0.012	44.773	TRUE	3.61E-11
FEV1FVC	DAB2IP	cg13833607	rs10985342	G	A	-0.220	0.027	0.237	2.88E-16	0.001	0.008	0.897	0.018	66.848	TRUE	5.46E-16
FEV1FVC	DAB2IP	cg14021373	rs10985320	C	T	-0.216	0.032	0.157	2.09E-11	-0.002	0.003	0.467	0.012	44.859	TRUE	4.58E-11
FEV1FVC	DAB2IP	cg14021373	rs57185433	T	C	-1.468	0.085	0.020	4.15E-66	0.007	0.009	0.457	0.074	294.789	TRUE	2.54E-63
FEV1FVC	DAB2IP	cg14136214	rs7854651	G	A	-0.214	0.023	0.477	1.86E-20	-0.003	0.002	0.213	0.023	85.891	TRUE	1.20E-19
FEV1FVC	DAB2IP	cg14190522	rs10120537	T	G	-0.184	0.024	0.374	2.95E-14	0.001	0.002	0.560	0.015	57.738	TRUE	7.03E-14
FEV1FVC	DAB2IP	cg14190522	rs10739588	A	G	-0.147	0.025	0.302	6.06E-09	0.005	0.003	0.059	0.009	33.798	TRUE	2.18E-08
FEV1FVC	DAB2IP	cg14190522	rs10985315	C	T	0.594	0.030	0.182	1.97E-85	-0.006	0.003	0.072	0.094	383.468	TRUE	1.90E-80
FEV1FVC	DAB2IP	cg14190522	rs116945153	T	C	-0.415	0.062	0.032	2.94E-11	0.004	0.006	0.489	0.012	44.192	TRUE	6.26E-11
FEV1FVC	DAB2IP	cg14190522	rs3915531	A	T	0.284	0.033	0.147	3.19E-18	-0.002	0.004	0.622	0.020	75.726	TRUE	9.07E-18
FEV1FVC	DAB2IP	cg14190522	rs603315	T	C	-0.391	0.031	0.160	1.37E-36	-0.004	0.003	0.268	0.041	159.530	TRUE	3.59E-35
FEV1FVC	DAB2IP	cg14190522	rs72760242	A	G	0.265	0.039	0.108	1.57E-11	-0.005	0.004	0.253	0.012	45.424	TRUE	4.57E-11
FEV1FVC	DAB2IP	cg14254686	rs150611873	T	C	-0.130	0.024	0.488	3.57E-08	-0.007	0.002	0.004	0.008	30.351	TRUE	1.99E-07
FEV1FVC	DAB2IP	cg14594111	rs10985290	A	G	-0.242	0.042	0.079	1.09E-08	0.000	0.004	0.986	0.009	32.657	TRUE	1.37E-08
FEV1FVC	DAB2IP	cg14594111	rs1106006	T	G	0.166	0.028	0.230	3.32E-09	-0.006	0.003	0.041	0.009	34.965	TRUE	1.31E-08
FEV1FVC	DAB2IP	cg14594111	rs1984037	G	C	0.213	0.026	0.284	6.82E-16	0.000	0.003	0.981	0.017	65.148	TRUE	1.18E-15
FEV1FVC	DAB2IP	cg14594111	rs36084561	T	C	-0.264	0.029	0.203	4.62E-20	-0.001	0.003	0.872	0.022	84.090	TRUE	1.12E-19
FEV1FVC	DAB2IP	cg14594111	rs57455029	A	G	-0.341	0.053	0.050	1.31E-10	-0.001	0.006	0.892	0.011	41.278	TRUE	1.90E-10
FEV1FVC	DAB2IP	cg14594111	rs60432659	T	C	0.187	0.031	0.181	1.84E-09	-0.006	0.003	0.074	0.010	36.120	TRUE	6.69E-09
FEV1FVC	DAB2IP	cg14594111	rs7025486	A	G	-0.666	0.025	0.263	7.80E-152	0.001	0.003	0.868	0.157	688.516	TRUE	9.24E-142
FEV1FVC	DAB2IP	cg14594111	rs72764062	T	A	0.447	0.061	0.035	2.40E-13	-0.003	0.006	0.646	0.014	53.615	TRUE	4.96E-13
FEV1FVC	DAB2IP	cg14594111	rs73540817	A	T	-0.359	0.061	0.036	3.34E-09	-0.004	0.006	0.522	0.009	34.954	TRUE	6.11E-09
FEV1FVC	DAB2IP	cg14594111	rs7468120	A	G	0.163	0.026	0.278	5.81E-10	-0.001	0.003	0.827	0.010	38.363	TRUE	8.64E-10
FEV1FVC	DAB2IP	cg14594111	rs78424955	A	G	-0.347	0.033	0.138	1.15E-25	0.003	0.003	0.306	0.029	109.617	TRUE	9.24E-25
FEV1FVC	DAB2IP	cg14594187	rs10760198	G	A	-0.142	0.023	0.432	1.14E-09	-0.001	0.002	0.754	0.010	37.049	TRUE	1.79E-09
FEV1FVC	DAB2IP	cg14611152	rs1984037	G	C	0.149	0.026	0.284	1.85E-08	0.000	0.003	0.981	0.008	31.627	TRUE	2.33E-08
FEV1FVC	DAB2IP	cg14611152	rs36084561	T	C	-0.222	0.029	0.203	1.31E-14	-0.001	0.003	0.872	0.016	59.339	TRUE	2.34E-14
FEV1FVC	DAB2IP	cg14611152	rs7025486	A	G	-0.519	0.026	0.263	1.90E-89	0.001	0.003	0.868	0.098	401.908	TRUE	1.86E-85
FEV1FVC	DAB2IP	cg14611152	rs7468120	A	G	0.150	0.026	0.278	1.24E-08	-0.001	0.003	0.827	0.009	32.413	TRUE	1.73E-08
FEV1FVC	DAB2IP	cg14611152	rs78424955	A	G	-0.266	0.033	0.138	1.07E-15	0.003	0.003	0.306	0.017	64.255	TRUE	3.86E-15
FEV1FVC	DAB2IP	cg21182461	rs7853819	G	A	-0.232	0.026	0.267	2.23E-18	0.001	0.003	0.835	0.020	76.433	TRUE	5.13E-18
FEV1FVC	DAB2IP	cg21234082	rs10120537	T	G	0.435	0.024	0.374	4.99E-75	0.001	0.002	0.560	0.083	335.718	TRUE	8.99E-72
FEV1FVC	DAB2IP	cg21234082	rs10818491	T	C	0.137	0.023	0.435	4.88E-09	0.005	0.002	0.055	0.009	34.217	TRUE	1.81E-08
FEV1FVC	DAB2IP	cg21234082	rs10985332	T	C	-0.263	0.030	0.200	1.26E-18	-0.007	0.003	0.035	0.021	77.555	TRUE	1.41E-17
FEV1FVC	DAB2IP	cg21234082	rs10985449	A	C	0.176	0.024	0.428	2.35E-13	-0.001	0.003	0.642	0.014	53.655	TRUE	4.94E-13

FEV1FVC	DAB2IP	cg21234082	rs118115974	A	G	-0.624	0.094	0.028	2.53E-11	-0.009	0.006	0.155	0.012	44.484	TRUE	8.64E-11
FEV1FVC	DAB2IP	cg21234082	rs12156434	C	T	0.265	0.031	0.173	2.78E-17	-0.001	0.003	0.734	0.019	71.454	TRUE	6.58E-17
FEV1FVC	DAB2IP	cg21234082	rs12237140	T	C	-0.561	0.099	0.015	1.22E-08	-0.009	0.010	0.380	0.009	32.438	TRUE	2.46E-08
FEV1FVC	DAB2IP	cg21234082	rs12350307	A	G	-0.351	0.045	0.073	4.16E-15	-0.001	0.005	0.818	0.016	61.590	TRUE	8.07E-15
FEV1FVC	DAB2IP	cg21234082	rs149391267	T	C	-0.889	0.122	0.022	2.69E-13	0.005	0.008	0.542	0.014	53.391	TRUE	6.15E-13
FEV1FVC	DAB2IP	cg21234082	rs16911057	A	G	-0.400	0.036	0.121	9.00E-29	-0.001	0.004	0.769	0.032	123.801	TRUE	4.49E-28
FEV1FVC	DAB2IP	cg21234082	rs17292952	A	G	-0.596	0.063	0.046	6.37E-21	0.000	0.006	0.942	0.023	88.005	TRUE	1.49E-20
FEV1FVC	DAB2IP	cg21234082	rs2300932	A	C	0.294	0.024	0.394	2.13E-34	0.001	0.002	0.783	0.039	149.514	TRUE	1.69E-33
FEV1FVC	DAB2IP	cg21234082	rs2789883	G	A	-1.251	0.017	0.257	<1E-200	0.000	0.003	0.921	0.582	5148.880	TRUE	<1E-200
FEV1FVC	DAB2IP	cg21234082	rs34846876	C	T	-0.171	0.029	0.222	2.89E-09	0.000	0.003	0.975	0.009	35.237	TRUE	3.74E-09
FEV1FVC	DAB2IP	cg21234082	rs514823	T	C	0.409	0.028	0.221	9.12E-50	-0.003	0.003	0.358	0.056	219.864	TRUE	7.87E-48
FEV1FVC	DAB2IP	cg21234082	rs57455029	A	G	-0.292	0.053	0.050	4.11E-08	-0.001	0.006	0.892	0.008	30.083	TRUE	5.38E-08
FEV1FVC	DAB2IP	cg21234082	rs72758134	G	T	0.226	0.032	0.160	1.14E-12	0.004	0.003	0.239	0.013	50.555	TRUE	3.72E-12
FEV1FVC	DAB2IP	cg21234082	rs75318126	T	C	0.317	0.030	0.186	9.47E-26	-0.005	0.003	0.097	0.029	110.008	TRUE	1.46E-24
FEV1FVC	DAB2IP	cg21234082	rs75791887	C	T	-0.507	0.055	0.044	2.85E-20	-0.004	0.006	0.538	0.022	85.046	TRUE	1.03E-19
FEV1FVC	DAB2IP	cg21234082	rs78424955	A	G	0.219	0.033	0.138	5.11E-11	0.003	0.003	0.306	0.012	43.112	TRUE	1.30E-10
FEV1FVC	DAB2IP	cg21234082	rs7861752	T	C	0.167	0.024	0.435	2.13E-12	-0.005	0.002	0.052	0.013	49.334	TRUE	1.14E-11
FEV1FVC	DAB2IP	cg21234082	rs9408927	G	T	0.300	0.051	0.055	4.54E-09	0.005	0.005	0.363	0.009	34.359	TRUE	9.65E-09
FEV1FVC	DAPK2	cg01859228	rs11071770	T	C	0.329	0.027	0.269	2.41E-35	0.008	0.003	0.003	0.040	153.840	TRUE	4.49E-33
FEV1FVC	DAPK2	cg01859228	rs11854930	C	T	0.255	0.037	0.104	5.31E-12	-0.010	0.004	0.009	0.013	47.542	TRUE	4.12E-11
FEV1FVC	DAPK2	cg01859228	rs11857703	G	A	0.149	0.023	0.492	2.05E-10	0.002	0.002	0.323	0.011	40.398	TRUE	5.01E-10
FEV1FVC	DAPK2	cg01859228	rs17788807	T	C	0.330	0.029	0.196	4.42E-29	0.008	0.003	0.009	0.033	125.213	TRUE	2.58E-27
FEV1FVC	DAPK2	cg01859228	rs28729238	G	T	-0.826	0.021	0.349	<1E-200	-0.005	0.003	0.064	0.286	1481.855	TRUE	4.50E-283
FEV1FVC	DAPK2	cg01859228	rs332286	C	G	0.340	0.034	0.143	8.45E-24	-0.005	0.003	0.158	0.027	101.113	TRUE	8.54E-23
FEV1FVC	DAPK2	cg01859228	rs4777602	G	A	0.198	0.034	0.140	6.79E-09	0.003	0.004	0.402	0.009	33.576	TRUE	1.35E-08
FEV1FVC	DAPK2	cg01859228	rs4984288	C	T	-0.197	0.024	0.385	3.13E-16	0.007	0.002	0.004	0.018	66.684	TRUE	4.95E-15
FEV1FVC	DAPK2	cg01859228	rs62023137	T	A	0.404	0.036	0.130	2.16E-29	0.008	0.004	0.025	0.033	126.628	TRUE	8.84E-28
FEV1FVC	DAPK2	cg01859228	rs62023393	T	C	-0.307	0.053	0.144	5.58E-09	-0.010	0.004	0.005	0.009	33.957	TRUE	3.29E-08
FEV1FVC	DAPK2	cg01859228	rs6494466	A	G	0.186	0.027	0.263	7.74E-12	0.003	0.003	0.348	0.012	46.804	TRUE	2.00E-11
FEV1FVC	DAPK2	cg01859228	rs7183733	T	C	0.185	0.025	0.330	2.24E-13	0.001	0.003	0.754	0.014	53.753	TRUE	4.20E-13
FEV1FVC	DAPK2	cg01859228	rs72750970	G	A	-0.536	0.060	0.048	6.91E-19	-0.003	0.005	0.562	0.021	78.747	TRUE	2.22E-18
FEV1FVC	DAPK2	cg01859228	rs72752943	A	G	-0.425	0.032	0.146	5.27E-40	0.002	0.003	0.544	0.045	175.161	TRUE	1.06E-38
FEV1FVC	DAPK2	cg01859228	rs72755006	G	A	0.341	0.044	0.077	1.37E-14	0.005	0.005	0.317	0.016	59.247	TRUE	4.53E-14
FEV1FVC	DAPK2	cg01859228	rs9921010	C	A	-0.234	0.039	0.089	2.31E-09	-0.003	0.004	0.451	0.010	35.678	TRUE	4.53E-09
FEV1FVC	DAPK2	cg02919090	rs1018215	C	G	0.167	0.024	0.368	4.40E-12	-0.010	0.003	2.49E-05	0.013	47.910	TRUE	9.41E-11
FEV1FVC	DAPK2	cg02919090	rs10851733	T	C	0.804	0.021	0.398	<1E-200	-0.003	0.002	0.206	0.289	1502.135	TRUE	2.35E-287
FEV1FVC	DAPK2	cg02919090	rs112479057	A	G	-0.354	0.063	0.036	2.31E-08	0.013	0.007	0.044	0.008	31.198	TRUE	8.39E-08
FEV1FVC	DAPK2	cg02919090	rs11630556	C	T	-0.371	0.036	0.136	2.26E-25	0.005	0.004	0.139	0.028	108.288	TRUE	2.84E-24
FEV1FVC	DAPK2	cg02919090	rs12441911	G	A	0.162	0.027	0.247	1.90E-09	-0.002	0.003	0.591	0.010	36.051	TRUE	3.36E-09
FEV1FVC	DAPK2	cg02919090	rs12593770	A	G	-0.238	0.041	0.089	6.83E-09	0.007	0.004	0.088	0.009	33.566	TRUE	2.23E-08
FEV1FVC	DAPK2	cg02919090	rs16947645	T	C	-0.349	0.026	0.302	1.55E-42	0.004	0.003	0.128	0.048	186.743	TRUE	1.32E-40
FEV1FVC	DAPK2	cg02919090	rs1802376	A	G	-0.481	0.087	0.020	3.35E-08	0.003	0.009	0.709	0.008	30.478	TRUE	5.00E-08

FEV1FVC	DAPK2	cg02919090	rs1903325	T	A	0.366	0.051	0.053	1.25E-12	0.005	0.005	0.381	0.013	50.379	TRUE	3.28E-12
FEV1FVC	DAPK2	cg02919090	rs192816899	C	T	-0.745	0.114	0.023	7.21E-11	-0.007	0.008	0.370	0.011	42.437	TRUE	1.70E-10
FEV1FVC	DAPK2	cg02919090	rs28808148	C	T	-0.458	0.044	0.077	1.00E-25	-0.009	0.004	0.042	0.029	109.897	TRUE	2.27E-24
FEV1FVC	DAPK2	cg02919090	rs332270	G	C	0.230	0.038	0.221	1.86E-09	-0.009	0.003	0.002	0.010	36.098	TRUE	1.35E-08
FEV1FVC	DAPK2	cg02919090	rs4984291	A	G	0.215	0.023	0.452	4.72E-20	0.003	0.002	0.157	0.022	84.049	TRUE	3.41E-19
FEV1FVC	DAPK2	cg02919090	rs56113145	A	G	-0.372	0.055	0.050	1.91E-11	-0.008	0.006	0.152	0.012	45.040	TRUE	6.61E-11
FEV1FVC	DAPK2	cg02919090	rs7178762	C	T	-0.322	0.024	0.460	2.42E-42	0.007	0.002	0.003	0.048	185.862	TRUE	1.11E-39
FEV1FVC	DAPK2	cg02919090	rs7183733	T	C	-0.172	0.025	0.330	8.36E-12	0.001	0.003	0.754	0.012	46.655	TRUE	1.44E-11
FEV1FVC	DAPK2	cg02919090	rs72750970	G	A	0.605	0.060	0.048	9.52E-24	-0.003	0.005	0.562	0.027	100.876	TRUE	4.34E-23
FEV1FVC	DAPK2	cg02919090	rs72752943	A	G	0.444	0.032	0.146	1.16E-43	0.002	0.003	0.544	0.049	191.908	TRUE	3.43E-42
FEV1FVC	DAPK2	cg02919090	rs72755006	G	A	-0.332	0.044	0.077	6.76E-14	0.005	0.005	0.317	0.015	56.108	TRUE	2.12E-13
FEV1FVC	DAPK2	cg02919090	rs79488359	G	T	-0.286	0.041	0.095	2.00E-12	-0.024	0.004	6.18E-09	0.013	49.460	TRUE	1.25E-10
FEV1FVC	DAPK2	cg02919090	rs80265779	G	A	0.213	0.033	0.148	8.80E-11	0.004	0.003	0.199	0.011	42.048	TRUE	2.62E-10
FEV1FVC	DAPK2	cg02919090	rs8033972	A	G	-0.197	0.027	0.262	4.85E-13	0.003	0.003	0.281	0.014	52.238	TRUE	1.51E-12
FEV1FVC	DAPK2	cg02919090	rs9652430	T	A	-0.294	0.034	0.148	2.22E-18	0.006	0.004	0.076	0.020	76.441	TRUE	1.90E-17
FEV1FVC	DAPK2	cg02919090	rs9921010	C	A	0.252	0.039	0.089	1.21E-10	-0.003	0.004	0.451	0.011	41.420	TRUE	2.59E-10
FEV1FVC	DAPK2	cg06904649	rs4776710	G	A	-0.189	0.023	0.466	7.34E-16	-0.008	0.002	0.002	0.017	65.006	TRUE	1.34E-14
FEV1FVC	DAPK2	cg07619672	rs332276	C	T	0.280	0.034	0.145	6.46E-17	-0.005	0.003	0.159	0.019	69.795	TRUE	3.53E-16
FEV1FVC	DAPK2	cg11775215	rs16947140	T	C	-0.186	0.033	0.136	1.07E-08	-0.006	0.004	0.091	0.009	32.689	TRUE	3.38E-08
FEV1FVC	DAPK2	cg11775215	rs78181809	A	G	-0.899	0.058	0.035	2.28E-53	-0.006	0.007	0.342	0.060	236.369	TRUE	3.35E-51
FEV1FVC	DAPK2	cg13645296	rs9972469	A	C	0.231	0.024	0.448	1.31E-22	-0.005	0.002	0.054	0.025	95.681	TRUE	1.90E-21
FEV1FVC	DAPK2	cg23165541	rs12912128	C	T	-0.174	0.031	0.172	3.10E-08	-0.006	0.003	0.052	0.008	30.627	TRUE	1.08E-07
FEV1FVC	DAPK2	cg24729988	rs12902972	T	C	-0.172	0.023	0.464	1.41E-13	0.006	0.002	0.015	0.015	54.665	TRUE	1.17E-12
FEV1FVC	DAXX	cg03477252	rs3106194	A	G	0.319	0.025	0.310	2.40E-36	0.002	0.003	0.559	0.041	158.420	TRUE	3.19E-35
FEV1FVC	DAXX	cg03477252	rs55844831	G	A	0.333	0.060	0.035	3.20E-08	0.001	0.006	0.889	0.008	30.566	TRUE	4.23E-08
FEV1FVC	DAXX	cg04086445	rs11757081	T	A	-0.261	0.027	0.233	9.61E-23	0.015	0.003	2.62E-08	0.025	96.301	TRUE	4.07E-20
FEV1FVC	DAXX	cg04086445	rs12202730	T	C	0.302	0.045	0.071	2.89E-11	0.014	0.005	0.004	0.012	44.224	TRUE	2.47E-10
FEV1FVC	DAXX	cg04086445	rs143149014	C	T	0.564	0.074	0.029	2.36E-14	0.006	0.007	0.421	0.015	58.176	TRUE	6.66E-14
FEV1FVC	DAXX	cg04086445	rs150420498	A	G	0.698	0.087	0.022	1.35E-15	-0.002	0.008	0.778	0.017	63.798	TRUE	2.78E-15
FEV1FVC	DAXX	cg04086445	rs210155	C	T	-0.209	0.024	0.424	9.58E-19	-0.008	0.003	6.34E-04	0.021	78.101	TRUE	3.08E-17
FEV1FVC	DAXX	cg04086445	rs2104362	G	A	-0.143	0.026	0.272	1.92E-08	0.004	0.003	0.127	0.008	31.560	TRUE	5.45E-08
FEV1FVC	DAXX	cg04086445	rs2239839	A	C	0.763	0.024	0.310	9.08E-230	0.002	0.003	0.499	0.221	1046.805	TRUE	4.01E-208
FEV1FVC	DAXX	cg04086445	rs23544	T	C	0.148	0.024	0.410	3.47E-10	0.004	0.002	0.125	0.011	39.371	TRUE	1.15E-09
FEV1FVC	DAXX	cg04086445	rs3130257	T	C	-0.260	0.034	0.126	1.40E-14	0.002	0.004	0.647	0.016	59.200	TRUE	3.08E-14
FEV1FVC	DAXX	cg04086445	rs443972	C	T	-0.417	0.075	0.035	2.30E-08	-0.003	0.006	0.556	0.008	31.208	TRUE	3.90E-08
FEV1FVC	DAXX	cg04086445	rs5745565	C	T	0.585	0.074	0.030	2.29E-15	-0.019	0.007	0.007	0.017	62.764	TRUE	2.94E-14
FEV1FVC	DAXX	cg04086445	rs622917	T	C	-0.142	0.023	0.472	1.09E-09	0.002	0.002	0.364	0.010	37.145	TRUE	2.40E-09
FEV1FVC	DAXX	cg04086445	rs6457734	T	G	-0.252	0.026	0.281	1.16E-22	0.003	0.003	0.234	0.025	95.924	TRUE	8.64E-22
FEV1FVC	DAXX	cg04086445	rs78906361	C	T	-0.300	0.052	0.053	9.78E-09	-0.026	0.005	9.57E-07	0.009	32.867	TRUE	1.73E-07
FEV1FVC	DAXX	cg04086445	rs9469532	A	G	-0.160	0.024	0.370	2.75E-11	-0.003	0.002	0.312	0.012	44.325	TRUE	7.35E-11
FEV1FVC	DAXX	cg05431670	rs114542428	G	A	-0.353	0.046	0.075	9.97E-15	-0.016	0.005	8.04E-04	0.016	59.870	TRUE	1.82E-13
FEV1FVC	DAXX	cg05431670	rs115775530	A	T	0.768	0.075	0.028	2.24E-24	0.007	0.007	0.369	0.027	103.742	TRUE	1.46E-23

FEV1FVC	DAXX	cg05431670	rs12202730	T	C	0.610	0.045	0.071	4.50E-41	0.014	0.005	0.004	0.046	180.049	TRUE	1.77E-38
FEV1FVC	DAXX	cg05431670	rs12214637	A	G	0.175	0.028	0.225	5.08E-10	-0.001	0.003	0.712	0.010	38.625	TRUE	8.33E-10
FEV1FVC	DAXX	cg05431670	rs146253626	T	C	0.835	0.091	0.034	5.20E-20	-0.007	0.008	0.404	0.022	83.855	TRUE	2.25E-19
FEV1FVC	DAXX	cg05431670	rs1535949	A	G	0.180	0.028	0.233	1.73E-10	-0.013	0.003	1.46E-06	0.011	40.726	TRUE	4.05E-09
FEV1FVC	DAXX	cg05431670	rs210155	C	T	-0.263	0.024	0.424	3.88E-28	-0.008	0.003	6.34E-04	0.032	120.906	TRUE	4.40E-26
FEV1FVC	DAXX	cg05431670	rs2104362	G	A	-0.207	0.026	0.272	1.19E-15	0.004	0.003	0.127	0.017	64.057	TRUE	6.41E-15
FEV1FVC	DAXX	cg05431670	rs2269610	C	G	-0.405	0.031	0.163	1.84E-39	0.012	0.003	5.32E-05	0.045	172.677	TRUE	2.50E-36
FEV1FVC	DAXX	cg05431670	rs2274198	A	G	-0.141	0.025	0.354	1.13E-08	-0.001	0.003	0.693	0.009	32.583	TRUE	1.75E-08
FEV1FVC	DAXX	cg05431670	rs23544	T	C	0.243	0.024	0.410	3.33E-24	0.004	0.002	0.125	0.027	102.959	TRUE	3.95E-23
FEV1FVC	DAXX	cg05431670	rs3130256	A	G	0.975	0.019	0.350	<1E-200	0.005	0.003	0.038	0.410	2575.802	TRUE	<1E-200
FEV1FVC	DAXX	cg05431670	rs34931270	A	G	0.806	0.085	0.024	1.59E-21	-0.012	0.007	0.109	0.024	90.752	TRUE	1.53E-20
FEV1FVC	DAXX	cg05431670	rs35881303	A	G	-0.415	0.024	0.401	1.80E-69	0.009	0.002	2.53E-04	0.077	310.218	TRUE	2.18E-64
FEV1FVC	DAXX	cg05431670	rs443972	C	T	-0.423	0.075	0.035	1.44E-08	-0.003	0.006	0.556	0.009	32.116	TRUE	2.47E-08
FEV1FVC	DAXX	cg05431670	rs4559081	A	G	0.208	0.030	0.186	3.42E-12	0.002	0.003	0.421	0.013	48.404	TRUE	8.32E-12
FEV1FVC	DAXX	cg05431670	rs547391	A	T	0.344	0.028	0.242	1.16E-34	-0.009	0.003	0.003	0.039	150.712	TRUE	1.99E-32
FEV1FVC	DAXX	cg05431670	rs55844831	G	A	0.780	0.060	0.035	2.74E-38	0.001	0.006	0.889	0.043	167.305	TRUE	2.60E-37
FEV1FVC	DAXX	cg05431670	rs622917	T	C	-0.260	0.023	0.472	1.26E-28	0.002	0.002	0.364	0.032	123.130	TRUE	1.21E-27
FEV1FVC	DAXX	cg05431670	rs68191	C	T	-0.309	0.040	0.094	1.54E-14	-0.013	0.004	0.001	0.016	59.021	TRUE	2.43E-13
FEV1FVC	DAXX	cg05431670	rs73420616	A	G	-0.296	0.054	0.050	4.74E-08	-0.029	0.006	3.45E-07	0.008	29.803	TRUE	7.78E-07
FEV1FVC	DAXX	cg05431670	rs78372511	A	G	-0.387	0.061	0.037	2.48E-10	0.002	0.007	0.746	0.011	40.022	TRUE	4.00E-10
FEV1FVC	DAXX	cg09365002	rs2239839	A	C	0.254	0.026	0.310	2.74E-23	0.002	0.003	0.499	0.026	98.788	TRUE	1.29E-22
FEV1FVC	DAXX	cg09597022	rs3106194	A	G	0.288	0.026	0.310	2.00E-29	0.002	0.003	0.559	0.033	126.783	TRUE	1.43E-28
FEV1FVC	DAXX	cg09992055	rs469064	A	C	0.144	0.023	0.498	4.41E-10	0.009	0.002	1.88E-04	0.010	38.901	TRUE	5.16E-09
FEV1FVC	DAXX	cg13826470	rs115775530	A	T	0.720	0.075	0.028	1.05E-21	0.007	0.007	0.369	0.024	91.565	TRUE	5.54E-21
FEV1FVC	DAXX	cg13826470	rs11966717	T	C	-0.283	0.052	0.054	4.22E-08	-0.025	0.005	1.88E-06	0.008	30.031	TRUE	6.08E-07
FEV1FVC	DAXX	cg13826470	rs12202730	T	C	0.438	0.046	0.071	7.58E-22	0.014	0.005	0.004	0.024	92.216	TRUE	2.43E-20
FEV1FVC	DAXX	cg13826470	rs146253626	T	C	0.574	0.091	0.034	2.98E-10	-0.007	0.008	0.404	0.011	39.667	TRUE	6.49E-10
FEV1FVC	DAXX	cg13826470	rs1535949	A	G	0.159	0.028	0.233	1.54E-08	-0.013	0.003	1.46E-06	0.009	31.979	TRUE	2.44E-07
FEV1FVC	DAXX	cg13826470	rs210199	A	C	-0.181	0.025	0.366	1.85E-13	-0.009	0.003	4.73E-04	0.014	54.133	TRUE	3.04E-12
FEV1FVC	DAXX	cg13826470	rs2239839	A	C	0.959	0.020	0.310	<1E-200	0.002	0.003	0.499	0.379	2261.272	TRUE	<1E-200
FEV1FVC	DAXX	cg13826470	rs2269610	C	G	-0.258	0.031	0.163	7.26E-17	0.012	0.003	5.32E-05	0.018	69.564	TRUE	3.20E-15
FEV1FVC	DAXX	cg13826470	rs23544	T	C	0.222	0.024	0.410	1.09E-20	0.004	0.002	0.125	0.023	86.947	TRUE	9.29E-20
FEV1FVC	DAXX	cg13826470	rs34931270	A	G	0.802	0.085	0.024	2.55E-21	-0.012	0.007	0.109	0.024	89.817	TRUE	2.41E-20
FEV1FVC	DAXX	cg13826470	rs493063	A	G	0.291	0.030	0.212	7.78E-23	-0.008	0.003	0.005	0.025	96.719	TRUE	2.58E-21
FEV1FVC	DAXX	cg13826470	rs55844831	G	A	0.669	0.060	0.035	8.65E-29	0.001	0.006	0.889	0.032	123.880	TRUE	3.72E-28
FEV1FVC	DAXX	cg13826470	rs622917	T	C	-0.223	0.023	0.472	1.92E-21	0.002	0.002	0.364	0.024	90.376	TRUE	1.00E-20
FEV1FVC	DAXX	cg13826470	rs6457734	T	G	-0.276	0.026	0.281	1.63E-26	0.003	0.003	0.234	0.030	113.492	TRUE	1.71E-25
FEV1FVC	DAXX	cg13826470	rs7750412	G	A	-0.182	0.030	0.193	7.74E-10	-0.004	0.003	0.201	0.010	37.805	TRUE	2.13E-09
FEV1FVC	DAXX	cg13826470	rs9461921	A	G	0.134	0.023	0.492	9.22E-09	0.000	0.002	0.991	0.009	32.981	TRUE	1.15E-08
FEV1FVC	DAXX	cg14910283	rs3130018	A	G	0.139	0.023	0.485	1.93E-09	0.009	0.002	9.46E-05	0.010	36.023	TRUE	2.23E-08
FEV1FVC	DAXX	cg18934106	rs2269610	C	G	-0.202	0.031	0.163	7.29E-11	0.012	0.003	5.32E-05	0.011	42.417	TRUE	1.22E-09
FEV1FVC	DAXX	cg20223162	rs10947459	T	G	0.224	0.032	0.167	2.38E-12	-0.001	0.003	0.755	0.013	49.118	TRUE	4.21E-12

FEV1FVC	DAXX	cg20223162	rs111461772	A	C	0.370	0.053	0.042	2.37E-12	0.051	0.006	1.14E-20	0.013	49.122	TRUE	1.24E-09
FEV1FVC	DAXX	cg20223162	rs114542428	G	A	-0.417	0.045	0.075	4.22E-20	-0.016	0.005	8.04E-04	0.022	84.267	TRUE	1.59E-18
FEV1FVC	DAXX	cg20223162	rs12190797	A	G	0.348	0.047	0.068	2.08E-13	0.006	0.005	0.258	0.014	53.903	TRUE	6.85E-13
FEV1FVC	DAXX	cg20223162	rs151719	C	T	-0.198	0.027	0.248	2.11E-13	0.000	0.003	0.885	0.014	53.871	TRUE	3.50E-13
FEV1FVC	DAXX	cg20223162	rs2071556	G	T	-0.138	0.024	0.407	8.06E-09	0.012	0.002	4.77E-07	0.009	33.242	TRUE	1.54E-07
FEV1FVC	DAXX	cg20223162	rs210134	A	G	-0.293	0.025	0.312	6.18E-32	-0.006	0.003	0.012	0.036	138.252	TRUE	4.41E-30
FEV1FVC	DAXX	cg20223162	rs2104362	G	A	-0.148	0.026	0.272	1.14E-08	0.004	0.003	0.127	0.009	32.577	TRUE	3.29E-08
FEV1FVC	DAXX	cg20223162	rs443972	C	T	-0.539	0.074	0.035	4.34E-13	-0.003	0.006	0.556	0.014	52.457	TRUE	9.72E-13
FEV1FVC	DAXX	cg20223162	rs467274	T	C	-0.490	0.036	0.110	4.72E-42	0.002	0.004	0.555	0.048	184.534	TRUE	1.15E-40
FEV1FVC	DAXX	cg20223162	rs469064	A	C	0.824	0.020	0.498	<1E-200	0.009	0.002	1.88E-04	0.319	1728.854	TRUE	<1E-200
FEV1FVC	DAXX	cg20223162	rs4713637	C	G	0.237	0.030	0.203	5.34E-15	-0.010	0.003	7.14E-04	0.016	61.098	TRUE	1.07E-13
FEV1FVC	DAXX	cg20223162	rs4713651	T	C	-0.230	0.030	0.182	2.14E-14	0.005	0.003	0.157	0.016	58.367	TRUE	9.38E-14
FEV1FVC	DAXX	cg20223162	rs55844831	G	A	0.466	0.061	0.035	1.44E-14	0.001	0.006	0.889	0.016	59.147	TRUE	2.54E-14
FEV1FVC	DAXX	cg20223162	rs59248104	G	A	-0.207	0.037	0.124	1.48E-08	-0.018	0.004	1.37E-06	0.009	32.058	TRUE	2.48E-07
FEV1FVC	DAXX	cg20223162	rs761583	G	A	0.459	0.059	0.041	1.13E-14	0.022	0.006	1.28E-04	0.016	59.623	TRUE	2.88E-13
FEV1FVC	DAXX	cg20223162	rs77412621	T	C	0.406	0.060	0.045	1.40E-11	0.002	0.006	0.693	0.012	45.651	TRUE	2.51E-11
FEV1FVC	DAXX	cg20223162	rs9469494	G	A	0.140	0.026	0.288	4.17E-08	0.015	0.003	3.71E-09	0.008	30.054	TRUE	1.01E-06
FEV1FVC	DAXX	cg20618109	rs2051625	C	T	0.784	0.102	0.012	1.48E-14	0.002	0.011	0.833	0.016	59.091	TRUE	2.74E-14
FEV1FVC	DAXX	cg22904406	rs2239839	A	C	0.396	0.025	0.310	8.57E-55	0.002	0.003	0.499	0.062	242.904	TRUE	9.74E-53
FEV1FVC	DAXX	cg22904406	rs3130257	T	C	-0.196	0.034	0.126	1.40E-08	0.002	0.004	0.647	0.009	32.171	TRUE	2.21E-08
FEV1FVC	DAXX	cg26500914	rs3106194	A	G	0.397	0.025	0.310	4.67E-55	0.002	0.003	0.559	0.062	244.112	TRUE	4.90E-53
FEV1FVC	DAXX	cg26521092	rs12202730	T	C	0.285	0.045	0.071	3.40E-10	0.014	0.005	0.004	0.011	39.411	TRUE	2.52E-09
FEV1FVC	DAXX	cg26521092	rs210129	G	A	-0.201	0.029	0.202	1.87E-12	-0.007	0.003	0.020	0.013	49.587	TRUE	1.33E-11
FEV1FVC	DAXX	cg26521092	rs2239839	A	C	0.620	0.024	0.310	3.58E-145	0.002	0.003	0.499	0.151	657.898	TRUE	2.20E-135
FEV1FVC	DAXX	cg26521092	rs2269610	C	G	-0.195	0.031	0.163	2.07E-10	0.012	0.003	5.32E-05	0.011	40.379	TRUE	3.21E-09
FEV1FVC	DAXX	cg26521092	rs23544	T	C	0.139	0.024	0.410	3.67E-09	0.004	0.002	0.125	0.009	34.771	TRUE	1.12E-08
FEV1FVC	DAXX	cg26521092	rs34931270	A	G	0.516	0.085	0.024	1.21E-09	-0.012	0.007	0.109	0.010	36.939	TRUE	3.93E-09
FEV1FVC	DAXX	cg26521092	rs55844831	G	A	0.487	0.059	0.035	2.48E-16	0.001	0.006	0.889	0.018	67.140	TRUE	4.79E-16
FEV1FVC	DAXX	cg26521092	rs78581891	C	G	0.412	0.074	0.029	2.03E-08	0.006	0.007	0.392	0.008	31.446	TRUE	4.00E-08
FEV1FVC	DAXX	cg26521092	rs9469525	A	G	0.184	0.029	0.205	3.76E-10	-0.006	0.003	0.040	0.010	39.213	TRUE	1.71E-09
FEV1FVC	DAXX	cg27052777	rs3130018	A	G	0.195	0.023	0.485	7.94E-17	0.009	0.002	9.46E-05	0.018	69.387	TRUE	2.93E-15
FEV1FVC	DBH	cg06708731	rs10993769	T	C	0.218	0.025	0.333	4.53E-18	0.000	0.003	0.939	0.020	75.035	TRUE	9.10E-18
FEV1FVC	DBH	cg06708731	rs522673	T	C	-0.158	0.028	0.226	1.32E-08	-0.005	0.003	0.100	0.009	32.281	TRUE	3.99E-08
FEV1FVC	DBH	cg13521156	rs1076150	T	C	-0.158	0.023	0.487	1.68E-11	-0.005	0.002	0.052	0.012	45.292	TRUE	8.18E-11
FEV1FVC	DBH	cg13521156	rs3025403	T	C	0.289	0.045	0.071	1.38E-10	0.015	0.005	0.001	0.011	41.174	TRUE	1.30E-09
FEV1FVC	DBH	cg13651137	rs10993770	A	C	-0.218	0.025	0.335	4.58E-18	0.000	0.003	0.935	0.020	75.013	TRUE	9.20E-18
FEV1FVC	DBH	cg13651137	rs476835	G	C	0.259	0.025	0.305	2.02E-24	0.006	0.003	0.027	0.027	103.943	TRUE	4.55E-23
FEV1FVC	DBH	cg13651137	rs9409876	A	C	0.197	0.029	0.200	6.56E-12	-0.003	0.003	0.350	0.013	47.129	TRUE	1.71E-11
FEV1FVC	DBH	cg14007688	rs10993958	A	G	0.411	0.065	0.083	2.01E-10	-0.005	0.005	0.291	0.011	40.439	TRUE	5.11E-10
FEV1FVC	DBH	cg14007688	rs112729928	T	C	-1.051	0.116	0.026	1.45E-19	-0.009	0.006	0.139	0.022	81.824	TRUE	1.06E-18
FEV1FVC	DBH	cg14007688	rs117630211	G	A	-0.891	0.074	0.027	1.29E-33	0.013	0.007	0.055	0.038	145.931	TRUE	6.19E-32
FEV1FVC	DBH	cg14007688	rs118160162	C	T	0.413	0.064	0.030	7.59E-11	0.005	0.006	0.446	0.011	42.338	TRUE	1.65E-10

FEV1FVC	DBH	cg14007688	rs129885	A	C	0.443	0.028	0.198	7.81E-55	-0.004	0.003	0.223	0.062	243.088	TRUE	2.09E-52
FEV1FVC	DBH	cg14007688	rs13290909	C	T	-0.270	0.045	0.075	1.35E-09	-0.004	0.004	0.420	0.010	36.719	TRUE	2.80E-09
FEV1FVC	DBH	cg14007688	rs148878363	G	A	-0.773	0.104	0.025	1.31E-13	0.004	0.008	0.647	0.015	54.806	TRUE	2.74E-13
FEV1FVC	DBH	cg14007688	rs1548368	A	G	0.394	0.023	0.468	1.58E-64	0.002	0.002	0.544	0.072	287.541	TRUE	6.33E-62
FEV1FVC	DBH	cg14007688	rs2510245	G	A	-0.346	0.024	0.421	1.50E-48	-0.003	0.002	0.249	0.055	214.295	TRUE	1.62E-46
FEV1FVC	DBH	cg14007688	rs2519150	C	T	-0.172	0.023	0.494	2.39E-13	0.002	0.002	0.530	0.014	53.627	TRUE	5.55E-13
FEV1FVC	DBH	cg14007688	rs3025422	C	T	-0.735	0.131	0.015	1.89E-08	-0.007	0.010	0.466	0.008	31.589	TRUE	3.46E-08
FEV1FVC	DBH	cg14007688	rs59164034	G	C	0.398	0.034	0.138	1.80E-32	0.009	0.004	0.007	0.037	140.697	TRUE	1.76E-30
FEV1FVC	DBH	cg14007688	rs62575417	C	T	-0.453	0.051	0.101	1.31E-18	0.005	0.004	0.242	0.021	77.489	TRUE	6.79E-18
FEV1FVC	DBH	cg14007688	rs7851898	C	G	-1.138	0.020	0.237	<1E-200	-0.001	0.003	0.750	0.459	3142.276	TRUE	<1E-200
FEV1FVC	DBH	cg14138047	rs1611115	T	C	-0.202	0.029	0.193	4.24E-12	-0.004	0.003	0.142	0.013	47.983	TRUE	1.56E-11
FEV1FVC	DBH	cg14138047	rs2073837	A	G	-0.375	0.026	0.291	6.22E-48	0.000	0.003	0.921	0.054	211.462	TRUE	1.47E-46
FEV1FVC	DBH	cg14138047	rs694821	C	T	-0.202	0.024	0.452	2.57E-17	-0.004	0.002	0.120	0.019	71.611	TRUE	1.67E-16
FEV1FVC	DBH	cg14138047	rs9409879	G	C	0.234	0.030	0.171	1.43E-14	-0.004	0.003	0.252	0.016	59.155	TRUE	5.31E-14
FEV1FVC	DBH	cg14368247	rs7864658	G	A	0.176	0.031	0.492	1.71E-08	-0.004	0.002	0.116	0.009	31.776	TRUE	5.01E-08
FEV1FVC	DBH	cg14581628	rs10993769	T	C	0.284	0.025	0.333	1.52E-29	0.000	0.003	0.939	0.033	127.330	TRUE	6.43E-29
FEV1FVC	DBH	cg14581628	rs2519153	C	A	0.178	0.025	0.324	1.10E-12	-0.004	0.003	0.113	0.014	50.624	TRUE	4.77E-12
FEV1FVC	DBH	cg25020204	rs10993770	A	C	0.170	0.025	0.335	1.58E-11	0.000	0.003	0.935	0.012	45.406	TRUE	2.30E-11
FEV1FVC	DBH	cg25020204	rs1611114	T	C	-0.315	0.027	0.265	2.13E-32	-0.002	0.003	0.533	0.037	140.366	TRUE	2.09E-31
FEV1FVC	DBH	cg25020204	rs6479629	T	C	0.146	0.025	0.297	9.01E-09	-0.004	0.003	0.162	0.009	33.026	TRUE	2.42E-08
FEV1FVC	DDX47	cg13523561	rs56303669	G	T	0.366	0.038	0.173	5.58E-22	0.004	0.003	0.171	0.024	92.822	TRUE	4.66E-21
FEV1FVC	DDX47	cg14463304	rs11834397	G	T	0.156	0.024	0.364	1.56E-10	0.005	0.003	0.057	0.011	40.931	TRUE	6.74E-10
FEV1FVC	DDX47	cg21196265	rs11055070	G	A	-0.143	0.024	0.358	4.27E-09	-0.003	0.003	0.307	0.009	34.479	TRUE	9.50E-09
FEV1FVC	DDX47	cg21196265	rs11832039	G	C	0.174	0.025	0.367	1.64E-12	0.005	0.003	0.030	0.013	49.848	TRUE	1.01E-11
FEV1FVC	DDX5	cg08350119	rs112616321	C	T	-0.893	0.077	0.027	8.21E-31	-0.020	0.008	0.013	0.035	133.120	TRUE	5.29E-29
FEV1FVC	DDX5	cg14548777	rs141114501	T	C	-0.526	0.054	0.045	2.54E-22	-0.003	0.005	0.593	0.025	94.376	TRUE	9.93E-22
FEV1FVC	DDX5	cg23225508	rs1991401	G	A	0.206	0.025	0.328	2.14E-16	0.013	0.003	1.96E-07	0.018	67.435	TRUE	1.93E-14
FEV1FVC	DEF8	cg01883217	rs11649196	A	G	-0.343	0.033	0.145	1.01E-24	0.002	0.003	0.589	0.028	105.317	TRUE	4.86E-24
FEV1FVC	DEF8	cg01883217	rs11649211	G	C	-0.500	0.025	0.281	4.06E-87	0.001	0.003	0.830	0.096	391.209	TRUE	2.89E-83
FEV1FVC	DEF8	cg01883217	rs12595968	T	G	0.268	0.048	0.066	2.06E-08	0.003	0.005	0.563	0.008	31.422	TRUE	3.49E-08
FEV1FVC	DEF8	cg01883217	rs146018050	C	G	-0.810	0.138	0.016	3.88E-09	0.008	0.010	0.399	0.009	34.666	TRUE	7.89E-09
FEV1FVC	DEF8	cg01883217	rs147123965	T	C	-0.472	0.061	0.035	7.74E-15	-0.002	0.007	0.781	0.016	60.367	TRUE	1.52E-14
FEV1FVC	DEF8	cg01883217	rs150237316	T	C	-0.446	0.070	0.030	1.37E-10	0.008	0.008	0.287	0.011	41.187	TRUE	3.53E-10
FEV1FVC	DEF8	cg01883217	rs150246110	A	G	-0.555	0.089	0.014	5.00E-10	0.008	0.009	0.403	0.010	38.658	TRUE	1.08E-09
FEV1FVC	DEF8	cg01883217	rs17719735	A	G	0.272	0.050	0.065	4.76E-08	-0.005	0.005	0.384	0.008	29.797	TRUE	9.24E-08
FEV1FVC	DEF8	cg01883217	rs17774983	T	C	-0.561	0.066	0.030	2.13E-17	0.004	0.008	0.585	0.019	71.986	TRUE	6.02E-17
FEV1FVC	DEF8	cg01883217	rs187492937	G	C	0.371	0.063	0.046	5.14E-09	0.003	0.006	0.584	0.009	34.116	TRUE	8.83E-09
FEV1FVC	DEF8	cg01883217	rs34686253	C	T	0.466	0.066	0.038	1.85E-12	0.003	0.006	0.666	0.013	49.615	TRUE	3.57E-12
FEV1FVC	DEF8	cg01883217	rs4248913	A	C	0.329	0.039	0.095	2.79E-17	0.004	0.004	0.407	0.019	71.450	TRUE	9.88E-17
FEV1FVC	DEF8	cg01883217	rs4627348	T	C	0.253	0.024	0.376	1.10E-25	0.001	0.003	0.795	0.029	109.713	TRUE	4.14E-25
FEV1FVC	DEF8	cg01883217	rs58889676	T	A	0.501	0.084	0.022	1.98E-09	0.016	0.009	0.072	0.010	35.974	TRUE	7.18E-09
FEV1FVC	DEF8	cg01883217	rs62054623	G	A	-0.678	0.048	0.058	9.72E-46	0.006	0.005	0.239	0.052	201.413	TRUE	7.68E-44

FEV1FVC	DEF8	cg01883217	rs66701606	T	C	0.302	0.027	0.256	4.41E-29	0.002	0.003	0.391	0.033	125.215	TRUE	4.12E-28
FEV1FVC	DEF8	cg01883217	rs7200403	G	A	0.393	0.024	0.366	2.52E-58	0.001	0.003	0.733	0.065	259.095	TRUE	2.89E-56
FEV1FVC	DEF8	cg01883217	rs7205758	A	G	-0.173	0.024	0.357	1.02E-12	0.002	0.003	0.515	0.014	50.768	TRUE	2.31E-12
FEV1FVC	DEF8	cg01883217	rs9933533	C	T	-0.140	0.023	0.479	2.27E-09	-0.004	0.002	0.139	0.010	35.704	TRUE	6.87E-09
FEV1FVC	DEF8	cg02061948	rs11646910	A	G	-0.311	0.039	0.103	1.20E-15	0.000	0.004	0.960	0.017	64.044	TRUE	2.07E-15
FEV1FVC	DEF8	cg02061948	rs11859206	C	A	-0.736	0.036	0.116	3.78E-95	0.000	0.004	0.938	0.104	428.082	TRUE	8.49E-91
FEV1FVC	DEF8	cg02061948	rs13336744	T	G	-0.541	0.080	0.030	1.13E-11	0.016	0.008	0.047	0.012	46.056	TRUE	5.74E-11
FEV1FVC	DEF8	cg02061948	rs150246110	A	G	-0.702	0.088	0.014	2.07E-15	0.008	0.009	0.403	0.017	62.964	TRUE	6.43E-15
FEV1FVC	DEF8	cg02061948	rs34539781	T	C	0.285	0.039	0.094	4.46E-13	0.007	0.004	0.096	0.014	52.401	TRUE	2.08E-12
FEV1FVC	DEF8	cg02061948	rs4461072	G	C	-0.268	0.033	0.157	7.62E-16	-0.004	0.003	0.286	0.017	64.931	TRUE	2.90E-15
FEV1FVC	DEF8	cg02061948	rs4785775	A	C	-0.158	0.024	0.397	2.56E-11	-0.001	0.003	0.717	0.012	44.465	TRUE	4.39E-11
FEV1FVC	DEF8	cg02061948	rs67632157	A	G	0.163	0.024	0.420	9.77E-12	0.004	0.002	0.126	0.012	46.349	TRUE	3.73E-11
FEV1FVC	DEF8	cg02061948	rs7184956	T	C	-0.225	0.024	0.374	9.50E-21	0.001	0.003	0.818	0.023	87.216	TRUE	2.57E-20
FEV1FVC	DEF8	cg02061948	rs8060230	T	C	-0.528	0.063	0.030	5.21E-17	-0.009	0.007	0.158	0.019	70.219	TRUE	2.85E-16
FEV1FVC	DEF8	cg02061948	rs8062311	A	G	-0.233	0.034	0.136	4.36E-12	-0.004	0.004	0.302	0.013	47.928	TRUE	1.23E-11
FEV1FVC	DEF8	cg03721293	rs11076647	C	A	-0.137	0.025	0.306	4.68E-08	-0.001	0.003	0.777	0.008	29.829	TRUE	6.56E-08
FEV1FVC	DEF8	cg03721293	rs11640198	T	C	0.150	0.027	0.251	2.62E-08	-0.001	0.003	0.846	0.008	30.952	TRUE	3.55E-08
FEV1FVC	DEF8	cg03721293	rs11649196	A	G	0.333	0.033	0.145	1.33E-23	0.002	0.003	0.589	0.026	100.221	TRUE	5.85E-23
FEV1FVC	DEF8	cg03721293	rs1558151	A	T	0.171	0.028	0.223	1.54E-09	0.002	0.003	0.566	0.010	36.458	TRUE	2.79E-09
FEV1FVC	DEF8	cg03721293	rs62068712	G	A	0.191	0.031	0.167	1.29E-09	0.004	0.003	0.209	0.010	36.809	TRUE	3.46E-09
FEV1FVC	DEF8	cg03721293	rs78517194	C	A	0.730	0.044	0.067	5.93E-61	0.010	0.005	0.031	0.068	271.146	TRUE	1.54E-57
FEV1FVC	DEF8	cg03987653	rs10153134	C	T	-0.137	0.025	0.350	2.45E-08	0.006	0.003	0.017	0.008	31.084	TRUE	1.09E-07
FEV1FVC	DEF8	cg03987653	rs11639655	G	A	-0.144	0.026	0.322	2.44E-08	-0.004	0.003	0.172	0.008	31.090	TRUE	6.33E-08
FEV1FVC	DEF8	cg03987653	rs145268882	A	G	0.275	0.050	0.054	2.90E-08	-0.008	0.005	0.117	0.008	30.755	TRUE	8.29E-08
FEV1FVC	DEF8	cg03987653	rs150237316	T	C	-0.405	0.070	0.030	5.79E-09	0.008	0.008	0.287	0.009	33.887	TRUE	1.32E-08
FEV1FVC	DEF8	cg03987653	rs4365288	A	G	-0.845	0.049	0.052	4.07E-67	0.007	0.005	0.167	0.075	299.419	TRUE	8.15E-64
FEV1FVC	DEF8	cg03987653	rs4785699	T	G	-0.173	0.027	0.233	2.98E-10	0.006	0.003	0.035	0.011	39.666	TRUE	1.40E-09
FEV1FVC	DEF8	cg03987653	rs4785749	T	C	0.153	0.024	0.382	2.75E-10	0.002	0.003	0.448	0.011	39.820	TRUE	5.77E-10
FEV1FVC	DEF8	cg04591799	rs10153134	C	T	-0.132	0.024	0.350	4.68E-08	0.006	0.003	0.017	0.008	29.830	TRUE	2.00E-07
FEV1FVC	DEF8	cg04591799	rs35078537	C	G	-0.192	0.029	0.187	5.54E-11	0.003	0.003	0.316	0.011	42.954	TRUE	1.41E-10
FEV1FVC	DEF8	cg04591799	rs55911767	G	A	-0.172	0.028	0.223	1.25E-09	0.002	0.003	0.396	0.010	36.866	TRUE	2.62E-09
FEV1FVC	DEF8	cg04591799	rs78260644	G	A	-0.567	0.049	0.052	5.18E-31	0.007	0.005	0.188	0.035	134.032	TRUE	9.63E-30
FEV1FVC	DEF8	cg04752812	rs11640198	T	C	0.148	0.027	0.251	3.54E-08	-0.001	0.003	0.846	0.008	30.368	TRUE	4.78E-08
FEV1FVC	DEF8	cg04752812	rs11649196	A	G	0.193	0.033	0.145	6.95E-09	0.002	0.003	0.589	0.009	33.530	TRUE	1.19E-08
FEV1FVC	DEF8	cg04752812	rs4785775	A	C	-0.132	0.024	0.397	2.63E-08	-0.001	0.003	0.717	0.008	30.946	TRUE	3.89E-08
FEV1FVC	DEF8	cg04752812	rs78517194	C	A	0.551	0.045	0.067	4.27E-35	0.010	0.005	0.031	0.040	152.701	TRUE	3.17E-33
FEV1FVC	DEF8	cg05185784	rs12933826	C	T	-0.378	0.044	0.077	7.07E-18	0.002	0.005	0.754	0.020	74.157	TRUE	1.71E-17
FEV1FVC	DEF8	cg05185784	rs146972365	C	T	0.439	0.039	0.094	9.52E-30	0.003	0.004	0.420	0.034	128.258	TRUE	8.92E-29
FEV1FVC	DEF8	cg05185784	rs150246110	A	G	-0.779	0.089	0.014	2.24E-18	0.008	0.009	0.403	0.020	76.424	TRUE	8.62E-18
FEV1FVC	DEF8	cg05185784	rs164753	C	T	0.224	0.031	0.187	7.02E-13	0.001	0.003	0.837	0.014	51.511	TRUE	1.18E-12
FEV1FVC	DEF8	cg05185784	rs186335715	G	A	-0.758	0.112	0.011	1.37E-11	0.019	0.013	0.156	0.012	45.683	TRUE	4.79E-11
FEV1FVC	DEF8	cg05185784	rs2241034	G	A	-0.241	0.034	0.153	7.58E-13	0.004	0.003	0.207	0.014	51.360	TRUE	2.65E-12

FEV1FVC	DEF8	cg05185784	rs2279350	T	C	0.187	0.033	0.150	1.05E-08	0.005	0.003	0.116	0.009	32.733	TRUE	3.08E-08
FEV1FVC	DEF8	cg05185784	rs3114892	G	A	0.170	0.024	0.433	4.70E-13	0.006	0.002	0.023	0.014	52.296	TRUE	3.37E-12
FEV1FVC	DEF8	cg05185784	rs34686253	C	T	0.453	0.066	0.038	7.54E-12	0.003	0.006	0.666	0.013	46.857	TRUE	1.41E-11
FEV1FVC	DEF8	cg05185784	rs35754755	T	C	-0.896	0.064	0.031	1.91E-44	0.002	0.007	0.732	0.050	195.494	TRUE	4.21E-43
FEV1FVC	DEF8	cg05185784	rs35859096	G	C	-0.409	0.028	0.217	5.49E-48	0.004	0.003	0.189	0.054	211.710	TRUE	6.75E-46
FEV1FVC	DEF8	cg05185784	rs3803686	C	A	-0.797	0.029	0.181	2.51E-170	0.002	0.003	0.538	0.173	773.517	TRUE	1.69E-157
FEV1FVC	DEF8	cg05185784	rs3829499	C	G	-0.191	0.028	0.241	5.32E-12	0.008	0.003	0.004	0.013	47.539	TRUE	5.00E-11
FEV1FVC	DEF8	cg05185784	rs4519330	A	G	0.177	0.026	0.286	1.86E-11	-0.004	0.003	0.197	0.012	45.090	TRUE	5.93E-11
FEV1FVC	DEF8	cg05185784	rs4627348	T	C	0.321	0.024	0.376	7.90E-41	0.001	0.003	0.795	0.046	178.930	TRUE	1.07E-39
FEV1FVC	DEF8	cg05185784	rs55749251	G	T	0.307	0.033	0.154	7.45E-21	0.001	0.003	0.689	0.023	87.695	TRUE	2.36E-20
FEV1FVC	DEF8	cg05185784	rs56240065	A	G	-0.667	0.053	0.049	2.02E-36	-0.002	0.005	0.659	0.041	158.767	TRUE	2.30E-35
FEV1FVC	DEF8	cg05185784	rs62067101	T	C	-0.595	0.090	0.017	3.58E-11	0.006	0.008	0.427	0.012	43.810	TRUE	8.11E-11
FEV1FVC	DEF8	cg05185784	rs7200403	G	A	0.408	0.024	0.366	4.66E-63	0.001	0.003	0.733	0.071	280.799	TRUE	1.00E-60
FEV1FVC	DEF8	cg05185784	rs77497623	G	T	-0.359	0.037	0.108	9.75E-22	0.002	0.004	0.696	0.024	91.717	TRUE	3.17E-21
FEV1FVC	DEF8	cg05185784	rs78908302	G	A	-0.290	0.028	0.210	1.19E-24	-0.002	0.003	0.433	0.028	104.992	TRUE	6.97E-24
FEV1FVC	DEF8	cg05185784	rs79541707	T	A	0.489	0.070	0.030	2.87E-12	0.006	0.007	0.400	0.013	48.750	TRUE	7.22E-12
FEV1FVC	DEF8	cg05185784	rs9921599	T	C	-0.240	0.043	0.084	1.80E-08	0.008	0.005	0.094	0.008	31.678	TRUE	5.57E-08
FEV1FVC	DEF8	cg05185784	rs9921920	C	G	0.202	0.027	0.268	1.86E-13	-0.007	0.003	0.017	0.014	54.123	TRUE	1.49E-12
FEV1FVC	DEF8	cg05185784	rs9923604	C	G	-0.364	0.029	0.184	2.42E-35	0.002	0.003	0.497	0.040	153.830	TRUE	3.29E-34
FEV1FVC	DEF8	cg12064134	rs1029673	G	T	-0.223	0.027	0.253	1.36E-16	0.000	0.003	0.953	0.018	68.321	TRUE	2.52E-16
FEV1FVC	DEF8	cg12064134	rs116902829	G	C	0.562	0.098	0.015	9.96E-09	0.011	0.010	0.300	0.009	32.831	TRUE	2.21E-08
FEV1FVC	DEF8	cg12064134	rs117991811	A	G	-0.645	0.110	0.014	4.72E-09	-0.016	0.010	0.117	0.009	34.284	TRUE	1.44E-08
FEV1FVC	DEF8	cg12064134	rs118144846	G	A	0.934	0.109	0.014	1.22E-17	0.020	0.011	0.061	0.019	73.076	TRUE	1.03E-16
FEV1FVC	DEF8	cg12064134	rs13330208	G	T	-1.011	0.141	0.015	7.82E-13	0.011	0.012	0.358	0.014	51.300	TRUE	2.15E-12
FEV1FVC	DEF8	cg12064134	rs142969375	G	A	-0.907	0.150	0.014	1.56E-09	0.001	0.013	0.953	0.010	36.436	TRUE	2.07E-09
FEV1FVC	DEF8	cg12064134	rs150246110	A	G	-1.029	0.089	0.014	4.09E-31	0.008	0.009	0.403	0.035	134.502	TRUE	4.49E-30
FEV1FVC	DEF8	cg12064134	rs186335715	G	A	-0.767	0.112	0.011	7.76E-12	0.019	0.013	0.156	0.012	46.799	TRUE	2.77E-11
FEV1FVC	DEF8	cg12064134	rs2241034	G	A	-0.385	0.033	0.153	1.00E-30	0.004	0.003	0.207	0.035	132.721	TRUE	1.69E-29
FEV1FVC	DEF8	cg12064134	rs35078537	C	G	-0.277	0.030	0.187	9.33E-21	0.003	0.003	0.316	0.023	87.251	TRUE	4.96E-20
FEV1FVC	DEF8	cg12064134	rs35754755	T	C	-0.944	0.064	0.031	2.57E-49	0.002	0.007	0.732	0.056	217.800	TRUE	9.66E-48
FEV1FVC	DEF8	cg12064134	rs3803686	C	A	-0.874	0.028	0.181	1.48E-209	0.002	0.003	0.538	0.205	953.861	TRUE	3.62E-191
FEV1FVC	DEF8	cg12064134	rs3829499	C	G	-0.199	0.028	0.241	7.18E-13	0.008	0.003	0.004	0.014	51.467	TRUE	7.55E-12
FEV1FVC	DEF8	cg12064134	rs4627348	T	C	0.264	0.024	0.376	4.61E-28	0.001	0.003	0.795	0.032	120.564	TRUE	2.07E-27
FEV1FVC	DEF8	cg12064134	rs56240065	A	G	-0.644	0.053	0.049	4.68E-34	-0.002	0.005	0.659	0.038	147.946	TRUE	4.31E-33
FEV1FVC	DEF8	cg12064134	rs7191944	G	C	0.192	0.026	0.298	7.26E-14	-0.001	0.003	0.741	0.015	55.968	TRUE	1.42E-13
FEV1FVC	DEF8	cg12064134	rs7200083	A	G	-0.280	0.032	0.162	4.14E-18	0.000	0.003	0.930	0.020	75.214	TRUE	8.42E-18
FEV1FVC	DEF8	cg12064134	rs74037227	A	G	0.219	0.032	0.154	9.21E-12	-0.007	0.004	0.055	0.012	46.465	TRUE	4.49E-11
FEV1FVC	DEF8	cg12064134	rs74466939	T	C	-0.230	0.040	0.098	1.17E-08	0.005	0.004	0.265	0.009	32.515	TRUE	2.71E-08
FEV1FVC	DEF8	cg12064134	rs74548542	G	A	-0.730	0.064	0.030	5.72E-30	-0.009	0.007	0.153	0.034	129.268	TRUE	1.07E-28
FEV1FVC	DEF8	cg12064134	rs74800773	G	C	0.378	0.037	0.107	1.27E-24	0.006	0.004	0.154	0.028	104.868	TRUE	1.42E-23
FEV1FVC	DEF8	cg12064134	rs76180276	T	C	0.295	0.053	0.055	3.09E-08	0.005	0.006	0.347	0.008	30.631	TRUE	6.30E-08
FEV1FVC	DEF8	cg12064134	rs77497623	G	T	-0.234	0.038	0.108	4.65E-10	0.002	0.004	0.696	0.010	38.798	TRUE	7.62E-10

FEV1FVC	DEF8	cg12064134	rs8064126	T	A	0.294	0.024	0.370	7.95E-34	-0.002	0.003	0.370	0.038	146.895	TRUE	1.24E-32
FEV1FVC	DEF8	cg16504670	rs13335091	T	C	0.413	0.033	0.138	2.69E-36	0.003	0.003	0.381	0.041	158.193	TRUE	5.12E-35
FEV1FVC	DEF8	cg16504670	rs3212369	G	A	0.305	0.031	0.160	1.65E-22	0.005	0.003	0.108	0.025	95.234	TRUE	1.75E-21
FEV1FVC	DEF8	cg16504670	rs4785762	G	A	0.167	0.024	0.404	3.31E-12	-0.002	0.003	0.422	0.013	48.470	TRUE	8.05E-12
FEV1FVC	DEF8	cg16504670	rs77463543	T	C	0.175	0.032	0.151	4.94E-08	0.003	0.003	0.347	0.008	29.725	TRUE	9.86E-08
FEV1FVC	DEF8	cg25193494	rs12933826	C	T	-0.323	0.044	0.077	1.92E-13	0.002	0.005	0.754	0.014	54.055	TRUE	3.61E-13
FEV1FVC	DEF8	cg25193494	rs13330208	G	T	-0.835	0.141	0.015	3.58E-09	0.011	0.012	0.358	0.009	34.822	TRUE	7.63E-09
FEV1FVC	DEF8	cg25193494	rs148176774	G	A	0.450	0.073	0.030	6.62E-10	0.006	0.007	0.417	0.010	38.109	TRUE	1.40E-09
FEV1FVC	DEF8	cg25193494	rs148694296	T	C	0.447	0.074	0.030	1.62E-09	0.005	0.007	0.446	0.010	36.362	TRUE	3.23E-09
FEV1FVC	DEF8	cg25193494	rs150246110	A	G	-1.400	0.088	0.014	7.25E-57	0.008	0.009	0.403	0.064	252.405	TRUE	1.41E-54
FEV1FVC	DEF8	cg25193494	rs35754755	T	C	-0.614	0.065	0.031	1.71E-21	0.002	0.007	0.732	0.024	90.604	TRUE	5.30E-21
FEV1FVC	DEF8	cg25193494	rs35859096	G	C	-0.359	0.028	0.217	5.06E-37	0.004	0.003	0.189	0.042	161.512	TRUE	1.73E-35
FEV1FVC	DEF8	cg25193494	rs3803686	C	A	-0.718	0.029	0.181	1.61E-135	0.002	0.003	0.538	0.142	613.541	TRUE	7.46E-127
FEV1FVC	DEF8	cg25193494	rs4129126	A	C	0.161	0.025	0.307	2.94E-10	0.004	0.003	0.170	0.011	39.691	TRUE	8.77E-10
FEV1FVC	DEF8	cg25193494	rs4627348	T	C	0.241	0.024	0.376	1.51E-23	0.001	0.003	0.795	0.026	99.969	TRUE	4.89E-23
FEV1FVC	DEF8	cg25193494	rs4785766	C	A	0.167	0.030	0.183	2.80E-08	-0.004	0.003	0.175	0.008	30.828	TRUE	7.05E-08
FEV1FVC	DEF8	cg25193494	rs56240065	A	G	-0.446	0.053	0.049	5.66E-17	-0.002	0.005	0.659	0.019	70.053	TRUE	1.44E-16
FEV1FVC	DEF8	cg25193494	rs56378598	T	C	0.207	0.026	0.278	3.02E-15	0.000	0.003	0.892	0.017	62.218	TRUE	5.52E-15
FEV1FVC	DEF8	cg25193494	rs62054652	T	C	-0.369	0.049	0.059	8.02E-14	-0.003	0.005	0.483	0.015	55.772	TRUE	2.04E-13
FEV1FVC	DEF8	cg25193494	rs7200403	G	A	0.303	0.025	0.366	6.32E-35	0.001	0.003	0.733	0.039	151.923	TRUE	5.70E-34
FEV1FVC	DEF8	cg25193494	rs74548542	G	A	-0.463	0.065	0.030	7.65E-13	-0.009	0.007	0.153	0.014	51.343	TRUE	2.99E-12
FEV1FVC	DEF8	cg25193494	rs77497623	G	T	-0.353	0.037	0.108	5.07E-21	0.002	0.004	0.696	0.023	88.457	TRUE	1.57E-20
FEV1FVC	DEF8	cg25193494	rs77770855	A	G	0.348	0.039	0.092	1.10E-18	0.004	0.004	0.357	0.021	77.838	TRUE	4.66E-18
FEV1FVC	DEF8	cg25193494	rs78908302	G	A	-0.210	0.028	0.210	1.48E-13	-0.002	0.003	0.433	0.015	54.564	TRUE	3.86E-13
FEV1FVC	DEF8	cg25193494	rs9921920	C	G	0.179	0.027	0.268	7.55E-11	-0.007	0.003	0.017	0.011	42.348	TRUE	4.50E-10
FEV1FVC	DEF8	cg25193494	rs9923604	C	G	-0.217	0.030	0.184	1.80E-13	0.002	0.003	0.497	0.014	54.180	TRUE	4.38E-13
FEV1FVC	DEF8	cg26894841	rs12921906	A	G	-0.216	0.033	0.147	3.30E-11	-0.002	0.003	0.501	0.012	43.965	TRUE	6.96E-11
FEV1FVC	DEF8	cg26894841	rs7498985	A	G	-0.147	0.023	0.476	1.48E-10	0.002	0.002	0.539	0.011	41.036	TRUE	2.90E-10
FEV1FVC	DEF8	cg26894841	rs9923654	C	T	-0.267	0.030	0.183	4.13E-19	0.003	0.003	0.347	0.021	79.766	TRUE	1.82E-18
FEV1FVC	DEPDC5	cg01249860	rs117858155	T	C	0.589	0.083	0.019	1.03E-12	-0.011	0.009	0.236	0.014	50.761	TRUE	3.36E-12
FEV1FVC	DEPDC5	cg01249860	rs149516999	A	G	0.628	0.081	0.022	6.27E-15	-0.022	0.009	0.010	0.016	60.783	TRUE	6.79E-14
FEV1FVC	DEPDC5	cg01249860	rs5998152	C	T	0.158	0.027	0.249	5.92E-09	-0.002	0.003	0.544	0.009	33.841	TRUE	1.05E-08
FEV1FVC	DEPDC5	cg04112842	rs5998151	A	G	-0.334	0.038	0.101	9.70E-19	-0.004	0.004	0.278	0.021	78.076	TRUE	4.80E-18
FEV1FVC	DEPDC5	cg13263830	rs11089505	G	A	-0.323	0.055	0.100	4.99E-09	-0.015	0.004	5.12E-04	0.009	34.175	TRUE	4.25E-08
FEV1FVC	DEPDC5	cg13263830	rs111658926	C	T	-0.798	0.039	0.102	4.00E-92	0.001	0.004	0.880	0.101	414.197	TRUE	5.92E-88
FEV1FVC	DEPDC5	cg13263830	rs12158564	G	A	-0.302	0.025	0.322	8.08E-34	0.003	0.003	0.303	0.038	146.864	TRUE	1.44E-32
FEV1FVC	DEPDC5	cg13263830	rs13053841	T	C	-0.314	0.053	0.058	2.99E-09	-0.001	0.006	0.861	0.009	35.174	TRUE	4.20E-09
FEV1FVC	DEPDC5	cg13263830	rs141788358	A	G	0.522	0.083	0.022	2.74E-10	0.004	0.009	0.655	0.011	39.831	TRUE	4.75E-10
FEV1FVC	DEPDC5	cg13263830	rs151192056	T	C	-0.339	0.058	0.042	4.61E-09	0.000	0.006	0.999	0.009	34.327	TRUE	5.80E-09
FEV1FVC	DEPDC5	cg13263830	rs16989768	C	G	-1.108	0.070	0.029	9.07E-56	-0.008	0.007	0.202	0.063	247.374	TRUE	2.93E-53
FEV1FVC	DEPDC5	cg13263830	rs2040981	C	A	-1.412	0.037	0.087	<1E-200	0.003	0.004	0.529	0.281	1444.307	TRUE	1.96E-278
FEV1FVC	DEPDC5	cg13263830	rs2157212	A	C	-0.668	0.036	0.118	3.13E-75	0.006	0.004	0.130	0.083	336.647	TRUE	3.02E-71

FEV1FVC	DEPDC5	cg13263830	rs2412999	G	A	-0.258	0.024	0.445	5.87E-28	0.001	0.002	0.727	0.031	120.083	TRUE	2.88E-27
FEV1FVC	DEPDC5	cg13263830	rs4820910	T	A	-0.209	0.031	0.159	3.15E-11	0.000	0.003	0.962	0.012	44.058	TRUE	4.39E-11
FEV1FVC	DEPDC5	cg13263830	rs55911547	T	A	-0.395	0.030	0.175	2.41E-39	0.001	0.003	0.885	0.044	172.136	TRUE	2.54E-38
FEV1FVC	DEPDC5	cg13263830	rs5749334	A	C	0.821	0.019	0.446	<1E-200	0.001	0.002	0.745	0.331	1828.366	TRUE	<1E-200
FEV1FVC	DEPDC5	cg13263830	rs5753356	A	G	-0.185	0.025	0.367	6.41E-14	-0.006	0.003	0.018	0.015	56.211	TRUE	5.30E-13
FEV1FVC	DEPDC5	cg13263830	rs5753472	G	A	-0.280	0.032	0.426	2.02E-18	0.004	0.003	0.133	0.020	76.631	TRUE	1.35E-17
FEV1FVC	DEPDC5	cg13263830	rs5998284	T	C	-0.322	0.032	0.172	7.92E-24	-0.001	0.003	0.862	0.027	101.242	TRUE	2.48E-23
FEV1FVC	DEPDC5	cg13263830	rs62236130	A	G	0.378	0.034	0.131	7.93E-29	0.009	0.004	0.011	0.032	124.053	TRUE	3.99E-27
FEV1FVC	DEPDC5	cg13263830	rs6518765	C	A	0.268	0.033	0.346	6.33E-16	0.002	0.003	0.455	0.017	65.297	TRUE	1.92E-15
FEV1FVC	DEPDC5	cg13263830	rs714023	A	G	0.196	0.035	0.132	2.07E-08	0.000	0.003	0.995	0.008	31.415	TRUE	2.54E-08
FEV1FVC	DEPDC5	cg13263830	rs75481064	G	A	0.265	0.045	0.080	4.99E-09	-0.007	0.004	0.102	0.009	34.176	TRUE	1.57E-08
FEV1FVC	DEPDC5	cg13263830	rs76900875	A	G	-0.259	0.046	0.066	2.10E-08	-0.003	0.005	0.566	0.008	31.384	TRUE	3.53E-08
FEV1FVC	DEPDC5	cg13263830	rs77339855	T	A	-0.904	0.142	0.012	1.86E-10	0.004	0.009	0.626	0.011	40.591	TRUE	3.32E-10
FEV1FVC	DEPDC5	cg13263830	rs77664819	A	G	0.372	0.064	0.065	7.51E-09	0.002	0.005	0.646	0.009	33.379	TRUE	1.21E-08
FEV1FVC	DEPDC5	cg13263830	rs8140888	A	G	-0.226	0.031	0.172	2.27E-13	-0.006	0.003	0.043	0.014	53.724	TRUE	1.41E-12
FEV1FVC	DEPDC5	cg13263830	rs9606808	C	T	-0.176	0.027	0.256	9.65E-11	-0.012	0.003	2.62E-05	0.011	41.869	TRUE	1.74E-09
FEV1FVC	DEPDC5	cg13263830	rs9609388	A	G	-0.240	0.040	0.095	2.23E-09	-0.008	0.004	0.035	0.010	35.745	TRUE	9.48E-09
FEV1FVC	DRAM1	cg04946520	rs10778153	A	G	-0.189	0.024	0.378	1.10E-15	-0.010	0.003	2.05E-05	0.017	64.217	TRUE	4.20E-14
FEV1FVC	DRAM1	cg04946520	rs11111082	G	C	-0.593	0.031	0.151	7.54E-80	0.001	0.003	0.729	0.088	357.841	TRUE	1.90E-76
FEV1FVC	DRAM1	cg04946520	rs113239128	C	T	-0.458	0.063	0.036	4.80E-13	-0.008	0.006	0.202	0.014	52.256	TRUE	1.70E-12
FEV1FVC	DRAM1	cg04946520	rs113774454	T	C	-0.521	0.083	0.019	3.87E-10	0.002	0.008	0.800	0.010	39.154	TRUE	5.93E-10
FEV1FVC	DRAM1	cg04946520	rs4764850	A	G	0.140	0.023	0.401	1.79E-09	0.000	0.002	0.870	0.010	36.175	TRUE	2.51E-09
FEV1FVC	DRAM1	cg04946520	rs7978834	C	G	-0.277	0.029	0.198	7.55E-22	-0.001	0.003	0.671	0.024	92.223	TRUE	2.61E-21
FEV1FVC	DRAM1	cg07905054	rs78863372	T	C	1.093	0.155	0.013	1.81E-12	0.010	0.012	0.399	0.013	49.650	TRUE	4.63E-12
FEV1FVC	DRAM1	cg07905054	rs7955890	T	C	0.354	0.037	0.112	3.60E-22	0.012	0.004	0.001	0.025	93.689	TRUE	1.64E-20
FEV1FVC	DRAM1	cg10143723	rs2108694	A	G	-0.132	0.024	0.480	2.01E-08	-0.003	0.002	0.208	0.008	31.469	TRUE	4.88E-08
FEV1FVC	DRAM1	cg10143723	rs79656532	T	C	-0.407	0.040	0.095	6.78E-25	-0.009	0.004	0.036	0.028	106.109	TRUE	1.48E-23
FEV1FVC	DRAM1	cg18394118	rs79650959	A	G	-0.334	0.039	0.101	8.93E-18	-0.008	0.004	0.037	0.020	73.696	TRUE	8.99E-17
FEV1FVC	DRAM1	cg27425327	rs10860804	C	T	1.223	0.038	0.084	5.12E-223	-0.008	0.004	0.053	0.215	1015.759	TRUE	7.86E-201
FEV1FVC	DRAM1	cg27425327	rs11110857	A	G	0.191	0.030	0.192	3.50E-10	0.002	0.003	0.572	0.011	39.353	TRUE	6.46E-10
FEV1FVC	DRAM1	cg27425327	rs11110893	T	C	0.263	0.036	0.124	1.39E-13	-0.003	0.004	0.371	0.015	54.688	TRUE	3.95E-13
FEV1FVC	DRAM1	cg27425327	rs11110912	G	C	-0.166	0.030	0.188	2.10E-08	0.005	0.003	0.149	0.008	31.387	TRUE	5.66E-08
FEV1FVC	DRAM1	cg27425327	rs11111098	T	C	-0.203	0.031	0.180	3.91E-11	-0.002	0.003	0.610	0.012	43.633	TRUE	7.34E-11
FEV1FVC	DRAM1	cg27425327	rs12319783	T	C	-0.384	0.038	0.107	1.30E-23	-0.007	0.004	0.071	0.026	100.259	TRUE	1.86E-22
FEV1FVC	DRAM1	cg27425327	rs4764674	G	A	-0.458	0.023	0.433	1.15E-84	-0.002	0.002	0.328	0.093	379.945	TRUE	2.19E-80
FEV1FVC	DRAM1	cg27425327	rs61935453	A	G	0.460	0.069	0.027	2.56E-11	0.005	0.007	0.515	0.012	44.461	TRUE	5.35E-11
FEV1FVC	DRAM1	cg27425327	rs7305486	C	T	0.273	0.041	0.085	4.09E-11	0.004	0.004	0.401	0.012	43.549	TRUE	9.48E-11
FEV1FVC	DRAM1	cg27425327	rs75001229	G	A	-0.328	0.034	0.133	8.03E-22	0.011	0.004	0.002	0.024	92.101	TRUE	2.98E-20
FEV1FVC	E2F1	cg00509772	rs291668	T	C	0.177	0.032	0.159	3.69E-08	0.001	0.003	0.658	0.008	30.289	TRUE	5.69E-08
FEV1FVC	E2F1	cg00509772	rs3213183	A	G	-0.257	0.025	0.303	7.37E-24	0.006	0.003	0.014	0.027	101.384	TRUE	1.95E-22
FEV1FVC	E2F1	cg00509772	rs56144975	G	C	-0.264	0.041	0.079	7.62E-11	0.005	0.004	0.289	0.011	42.331	TRUE	1.98E-10
FEV1FVC	E2F2	cg03333582	rs2092085	A	G	0.216	0.027	0.258	7.20E-16	0.002	0.003	0.390	0.017	65.043	TRUE	2.34E-15

FEV1FVC	E2F2	cg03333582	rs3218205	C	T	-0.390	0.063	0.040	6.15E-10	0.001	0.006	0.882	0.010	38.253	TRUE	8.73E-10
FEV1FVC	E2F2	cg11526198	rs11591199	T	C	0.574	0.045	0.072	1.82E-37	-0.011	0.004	0.016	0.042	163.539	TRUE	2.45E-35
FEV1FVC	E2F2	cg11526198	rs877930	A	G	0.445	0.064	0.040	2.58E-12	0.000	0.006	0.966	0.013	48.954	TRUE	3.82E-12
FEV1FVC	E2F2	cg11526198	rs909534	A	G	-0.135	0.024	0.410	1.27E-08	0.005	0.002	0.057	0.009	32.366	TRUE	4.38E-08
FEV1FVC	E2F2	cg22040403	rs10917376	T	C	0.232	0.038	0.228	1.39E-09	-0.001	0.003	0.705	0.010	36.657	TRUE	2.22E-09
FEV1FVC	E2F2	cg22040403	rs113251274	G	C	0.223	0.037	0.116	1.65E-09	-0.003	0.004	0.506	0.010	36.334	TRUE	3.13E-09
FEV1FVC	E2F2	cg22040403	rs113837560	A	G	0.294	0.048	0.072	9.12E-10	0.006	0.005	0.228	0.010	37.485	TRUE	2.38E-09
FEV1FVC	E2F2	cg22040403	rs12144921	C	T	0.590	0.051	0.051	3.51E-31	-0.006	0.005	0.244	0.035	134.808	TRUE	5.62E-30
FEV1FVC	E2F2	cg22040403	rs16828926	A	G	0.198	0.033	0.142	3.50E-09	0.005	0.003	0.159	0.009	34.864	TRUE	9.91E-09
FEV1FVC	E2F2	cg22040403	rs2102781	A	T	-0.219	0.024	0.383	1.17E-19	-0.003	0.002	0.208	0.022	82.250	TRUE	7.08E-19
FEV1FVC	E2F2	cg22040403	rs2282724	T	C	0.654	0.064	0.040	1.28E-24	0.000	0.006	0.957	0.028	104.845	TRUE	3.72E-24
FEV1FVC	E2F2	cg22040403	rs2742976	T	G	-0.918	0.019	0.363	<1E-200	0.005	0.002	0.047	0.398	2443.705	TRUE	<1E-200
FEV1FVC	E2F2	cg22040403	rs2811964	A	G	-0.643	0.041	0.081	1.71E-55	0.006	0.004	0.124	0.062	246.115	TRUE	7.80E-53
FEV1FVC	E2F2	cg22040403	rs2864889	A	G	-0.193	0.033	0.406	3.77E-09	0.000	0.003	0.884	0.009	34.719	TRUE	5.22E-09
FEV1FVC	E2F2	cg22040403	rs2981950	A	C	-0.193	0.024	0.435	2.50E-16	-0.003	0.002	0.186	0.018	67.127	TRUE	1.22E-15
FEV1FVC	E2F2	cg22040403	rs2999141	C	A	0.379	0.026	0.286	9.01E-50	-0.007	0.003	0.010	0.056	219.889	TRUE	7.80E-47
FEV1FVC	E2F2	cg22040403	rs3218194	T	G	-0.541	0.083	0.045	7.36E-11	-0.005	0.006	0.348	0.011	42.397	TRUE	1.78E-10
FEV1FVC	E2F2	cg22040403	rs649458	T	A	-0.219	0.033	0.138	5.80E-11	0.002	0.003	0.608	0.011	42.863	TRUE	1.08E-10
FEV1FVC	E2F2	cg22040403	rs6663369	A	G	0.259	0.031	0.172	1.04E-16	-0.001	0.003	0.848	0.018	68.861	TRUE	2.11E-16
FEV1FVC	E2F2	cg22040403	rs72663238	G	C	0.438	0.071	0.034	8.14E-10	0.008	0.007	0.256	0.010	37.705	TRUE	2.07E-09
FEV1FVC	E2F2	cg22040403	rs76473856	C	T	-0.424	0.071	0.026	2.07E-09	0.009	0.007	0.206	0.010	35.888	TRUE	5.49E-09
FEV1FVC	E2F2	cg22040403	rs78543575	C	G	-0.546	0.076	0.019	5.10E-13	0.013	0.007	0.064	0.014	52.136	TRUE	2.71E-12
FEV1FVC	E2F2	cg22040403	rs79371518	A	G	-0.195	0.033	0.146	2.73E-09	0.004	0.003	0.229	0.009	35.350	TRUE	6.83E-09
FEV1FVC	E2F2	cg24254937	rs11591199	T	C	0.455	0.045	0.072	3.90E-24	-0.011	0.004	0.016	0.027	102.642	TRUE	1.05E-22
FEV1FVC	E2F2	cg24254937	rs2811937	G	A	-0.214	0.024	0.375	2.03E-19	0.005	0.002	0.035	0.021	81.163	TRUE	2.53E-18
FEV1FVC	ENTPD4	cg00472375	rs1140161	T	C	0.196	0.032	0.211	7.91E-10	-0.004	0.003	0.210	0.010	37.763	TRUE	2.14E-09
FEV1FVC	ENTPD4	cg00472375	rs11779446	G	A	0.421	0.034	0.160	8.27E-35	-0.008	0.003	0.014	0.039	151.390	TRUE	8.81E-33
FEV1FVC	ENTPD4	cg00472375	rs12549531	T	C	0.409	0.052	0.060	6.70E-15	0.000	0.005	0.995	0.016	60.651	TRUE	1.08E-14
FEV1FVC	ENTPD4	cg00472375	rs138440472	G	A	-0.533	0.047	0.078	1.29E-29	0.000	0.004	0.923	0.033	127.658	TRUE	5.54E-29
FEV1FVC	ENTPD4	cg00472375	rs17768448	C	T	-0.497	0.073	0.071	9.55E-12	-0.011	0.005	0.023	0.012	46.394	TRUE	5.78E-11
FEV1FVC	ENTPD4	cg00472375	rs2942194	G	A	-0.304	0.028	0.279	7.17E-27	0.003	0.003	0.210	0.030	115.122	TRUE	8.39E-26
FEV1FVC	ENTPD4	cg00472375	rs35826859	C	G	-0.156	0.027	0.349	4.55E-09	0.003	0.003	0.187	0.009	34.354	TRUE	1.21E-08
FEV1FVC	ENTPD4	cg00472375	rs4871879	G	A	0.405	0.061	0.108	2.23E-11	-0.001	0.004	0.754	0.012	44.734	TRUE	3.76E-11
FEV1FVC	ENTPD4	cg00472375	rs56112369	A	G	0.397	0.033	0.160	1.33E-32	0.008	0.003	0.011	0.037	141.303	TRUE	1.11E-30
FEV1FVC	ENTPD4	cg00472375	rs59281026	A	G	-0.378	0.034	0.164	6.92E-29	-0.004	0.003	0.219	0.033	124.324	TRUE	9.61E-28
FEV1FVC	ENTPD4	cg00472375	rs6557673	C	T	0.250	0.028	0.272	1.42E-18	-0.001	0.003	0.856	0.020	77.320	TRUE	3.23E-18
FEV1FVC	ENTPD4	cg00472375	rs73226488	G	A	0.281	0.028	0.276	1.40E-23	0.004	0.003	0.164	0.026	100.108	TRUE	1.34E-22
FEV1FVC	ENTPD4	cg00472375	rs7839561	T	C	0.415	0.040	0.111	1.08E-24	0.007	0.004	0.075	0.028	105.181	TRUE	1.75E-23
FEV1FVC	ENTPD4	cg02151632	rs28579964	T	C	-2.091	0.071	0.033	2.72E-192	-0.001	0.007	0.857	0.191	874.492	TRUE	5.76E-177
FEV1FVC	ENTPD4	cg02151632	rs4242399	T	G	-0.205	0.028	0.303	1.92E-13	0.001	0.003	0.862	0.014	54.054	TRUE	3.31E-13
FEV1FVC	ENTPD4	cg02151632	rs4639518	G	T	-0.190	0.026	0.409	2.71E-13	-0.004	0.002	0.093	0.014	53.382	TRUE	1.33E-12
FEV1FVC	ENTPD4	cg02151632	rs7017185	G	A	-0.317	0.055	0.058	1.02E-08	-0.005	0.005	0.337	0.009	32.784	TRUE	2.17E-08

FEV1FVC	ENTPD4	cg02151632	rs7846631	A	G	-0.287	0.035	0.158	3.72E-16	0.003	0.003	0.303	0.018	66.342	TRUE	1.42E-15
FEV1FVC	ENTPD4	cg02151632	rs972573	T	C	-0.191	0.030	0.238	2.52E-10	0.001	0.003	0.741	0.011	39.991	TRUE	4.05E-10
FEV1FVC	ENTPD4	cg04177885	rs17089244	T	C	-0.352	0.043	0.096	1.98E-16	0.005	0.004	0.238	0.018	67.588	TRUE	8.75E-16
FEV1FVC	ENTPD4	cg09238382	rs10108137	T	C	-1.759	0.072	0.032	5.50E-131	-0.002	0.006	0.744	0.138	592.707	TRUE	4.37E-123
FEV1FVC	ENTPD4	cg09238382	rs4282585	C	T	-0.155	0.028	0.314	2.30E-08	0.000	0.003	0.983	0.008	31.203	TRUE	2.89E-08
FEV1FVC	ENTPD4	cg09238382	rs7822769	A	C	-0.164	0.026	0.369	3.24E-10	-0.001	0.002	0.559	0.011	39.502	TRUE	6.07E-10
FEV1FVC	ENTPD4	cg14564237	rs12155806	C	T	0.177	0.029	0.237	1.43E-09	0.007	0.003	0.017	0.010	36.606	TRUE	7.20E-09
FEV1FVC	ENTPD4	cg25329685	rs12545866	C	A	0.140	0.026	0.394	4.28E-08	-0.002	0.002	0.512	0.008	30.004	TRUE	7.42E-08
FEV1FVC	ENTPD4	cg25329685	rs2942200	A	G	-0.191	0.027	0.329	2.16E-12	0.004	0.003	0.080	0.013	49.309	TRUE	1.01E-11
FEV1FVC	ENTPD4	cg25329685	rs56112369	A	G	0.312	0.034	0.160	1.38E-20	0.008	0.003	0.011	0.023	86.479	TRUE	2.77E-19
FEV1FVC	ENTPD4	cg25329685	rs7832251	T	C	-0.343	0.025	0.455	9.67E-43	-0.004	0.002	0.115	0.048	187.685	TRUE	8.49E-41
FEV1FVC	EP300	cg20730595	rs12166627	A	T	0.195	0.033	0.127	3.29E-09	0.015	0.004	3.16E-05	0.009	34.987	TRUE	4.41E-08
FEV1FVC	EP300	cg20730595	rs133030	G	A	-0.181	0.031	0.167	4.90E-09	-0.006	0.003	0.052	0.009	34.212	TRUE	1.80E-08
FEV1FVC	EP300	cg20730595	rs4822013	A	G	-0.354	0.024	0.379	4.71E-49	-0.014	0.002	8.30E-09	0.055	216.598	TRUE	3.32E-44
FEV1FVC	EP300	cg20730595	rs55893749	A	G	-0.281	0.051	0.050	4.40E-08	-0.007	0.005	0.181	0.008	29.951	TRUE	1.09E-07
FEV1FVC	EPHA2	cg00107046	rs11260745	C	T	-0.299	0.054	0.046	4.02E-08	0.002	0.006	0.694	0.008	30.126	TRUE	6.05E-08
FEV1FVC	EPHA2	cg03258665	rs7514138	A	G	0.325	0.036	0.122	8.82E-20	0.004	0.004	0.225	0.022	82.812	TRUE	5.13E-19
FEV1FVC	EPHA2	cg03258665	rs7538833	T	C	-0.348	0.024	0.375	2.86E-47	0.011	0.002	1.51E-05	0.053	208.428	TRUE	2.08E-43
FEV1FVC	EPHA2	cg03258665	rs9442213	T	C	-0.202	0.027	0.261	5.16E-14	0.004	0.003	0.102	0.015	56.638	TRUE	2.57E-13
FEV1FVC	EPHA2	cg15074789	rs113286431	C	T	0.593	0.085	0.017	2.44E-12	-0.025	0.008	0.002	0.013	49.065	TRUE	2.72E-11
FEV1FVC	EPHA2	cg15074789	rs12738633	T	A	0.583	0.059	0.034	6.44E-23	-0.018	0.006	0.002	0.026	97.095	TRUE	2.77E-21
FEV1FVC	EPHA2	cg15074789	rs1803527	C	T	0.958	0.060	0.037	3.85E-57	-0.016	0.006	0.014	0.064	253.666	TRUE	8.75E-54
FEV1FVC	EPHA2	cg15074789	rs34025793	A	G	0.462	0.084	0.019	3.54E-08	-0.012	0.008	0.117	0.008	30.372	TRUE	9.94E-08
FEV1FVC	EPHA2	cg21647035	rs12401559	T	C	-0.332	0.025	0.337	9.12E-41	0.010	0.003	3.18E-05	0.046	178.646	TRUE	1.64E-37
FEV1FVC	EPHA2	cg21647035	rs3738631	G	C	0.136	0.024	0.337	2.77E-08	-0.004	0.003	0.128	0.008	30.844	TRUE	7.69E-08
FEV1FVC	EPHA2	cg21647035	rs7515143	G	A	-0.137	0.025	0.335	3.84E-08	0.008	0.003	0.001	0.008	30.212	TRUE	2.51E-07
FEV1FVC	EPHA2	cg21647035	rs9442232	A	G	-0.183	0.026	0.294	1.11E-12	0.004	0.003	0.174	0.013	50.609	TRUE	4.01E-12
FEV1FVC	EPHA2	cg22874802	rs138997233	T	C	0.918	0.165	0.011	2.75E-08	0.007	0.012	0.557	0.008	30.857	TRUE	4.62E-08
FEV1FVC	EPHA2	cg24494577	rs6678616	T	C	0.270	0.025	0.346	1.17E-27	0.010	0.003	7.51E-05	0.031	118.710	TRUE	2.28E-25
FEV1FVC	EPHA2	cg24518441	rs6678616	T	C	-0.153	0.025	0.346	4.96E-10	0.010	0.003	7.51E-05	0.010	38.674	TRUE	6.64E-09
FEV1FVC	EPHA2	cg26371327	rs28695308	C	T	0.186	0.024	0.483	4.63E-15	-0.004	0.002	0.131	0.016	61.380	TRUE	2.30E-14
FEV1FVC	EPHA2	cg26371327	rs6679761	A	G	-0.360	0.024	0.373	1.01E-50	0.011	0.002	1.49E-05	0.057	224.243	TRUE	1.33E-46
FEV1FVC	EPHA2	cg26371327	rs74394813	T	C	0.392	0.036	0.120	6.78E-28	0.004	0.004	0.283	0.031	119.799	TRUE	7.00E-27
FEV1FVC	EPHA2	cg26793227	rs3132274	T	C	-0.193	0.035	0.126	4.95E-08	0.003	0.004	0.417	0.008	29.721	TRUE	9.33E-08
FEV1FVC	EPHA2	cg27582323	rs28553367	G	T	-0.211	0.027	0.267	1.91E-15	0.005	0.003	0.044	0.017	63.126	TRUE	1.43E-14
FEV1FVC	EPHA2	cg27582323	rs59792697	T	C	0.290	0.036	0.122	5.69E-16	0.005	0.004	0.201	0.017	65.506	TRUE	2.58E-15
FEV1FVC	EPHA2	cg27582323	rs6679761	A	G	-0.340	0.024	0.373	3.97E-45	0.011	0.002	1.49E-05	0.051	198.613	TRUE	2.02E-41
FEV1FVC	EPM2A	cg00077566	rs111770525	A	G	-0.868	0.088	0.023	9.93E-23	0.000	0.009	0.973	0.025	96.236	TRUE	2.51E-22
FEV1FVC	EPM2A	cg00077566	rs116904511	A	G	-0.621	0.080	0.026	5.99E-15	-0.019	0.009	0.034	0.016	60.873	TRUE	4.66E-14
FEV1FVC	EPM2A	cg00077566	rs60043524	T	C	-2.263	0.097	0.016	7.02E-121	-0.004	0.010	0.668	0.129	546.274	TRUE	6.58E-114
FEV1FVC	EPM2A	cg00077566	rs60237109	C	T	-0.601	0.065	0.038	1.63E-20	0.000	0.006	0.987	0.023	86.152	TRUE	3.55E-20
FEV1FVC	EPM2A	cg00077566	rs73783633	A	G	-0.422	0.054	0.057	5.23E-15	0.003	0.005	0.510	0.016	61.137	TRUE	1.39E-14

FEV1FVC	EPM2A	cg05220968	rs6902404	A	G	-0.290	0.025	0.433	4.01E-30	-0.006	0.002	0.020	0.034	129.972	TRUE	2.01E-28
FEV1FVC	EPM2A	cg05220968	rs9767028	C	T	-0.840	0.102	0.016	1.82E-16	-0.005	0.010	0.641	0.018	67.747	TRUE	4.56E-16
FEV1FVC	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	-0.014	0.003	1.08E-08	0.016	60.309	TRUE	8.01E-13
FEV1FVC	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	-0.010	0.002	3.21E-05	0.012	45.175	TRUE	3.54E-10
FEV1FVC	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.002	0.004	0.694	0.046	179.017	TRUE	1.26E-39
FEV1FVC	ERBB3	cg10869879	rs76219216	C	G	0.323	0.053	0.047	9.11E-10	0.005	0.005	0.406	0.010	37.486	TRUE	1.93E-09
FEV1FVC	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	-0.014	0.003	1.08E-08	0.041	157.406	TRUE	2.09E-32
FEV1FVC	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	-0.011	0.002	2.42E-06	0.020	74.210	TRUE	5.92E-16
FEV1FVC	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	-0.014	0.003	1.20E-08	0.047	183.509	TRUE	1.23E-37
FEV1FVC	EXOC4	cg02347763	rs4728298	A	T	-0.205	0.029	0.182	2.52E-12	0.000	0.003	0.911	0.013	49.005	TRUE	3.84E-12
FEV1FVC	EXOC4	cg03336402	rs2346446	G	T	0.177	0.029	0.189	1.61E-09	-0.001	0.003	0.751	0.010	36.377	TRUE	2.50E-09
FEV1FVC	EXOC4	cg03336402	rs2953633	A	C	-0.241	0.024	0.364	7.72E-24	0.003	0.003	0.191	0.027	101.293	TRUE	7.18E-23
FEV1FVC	EXOC4	cg06070229	rs35284403	C	T	-0.171	0.025	0.357	5.45E-12	-0.007	0.003	0.006	0.013	47.491	TRUE	4.70E-11
FEV1FVC	EXOC4	cg07608826	rs1004149	C	T	-0.269	0.037	0.121	3.93E-13	0.001	0.004	0.733	0.014	52.650	TRUE	7.44E-13
FEV1FVC	EXOC4	cg07608826	rs10277847	G	A	-0.148	0.025	0.366	1.98E-09	-0.002	0.003	0.458	0.010	35.971	TRUE	3.93E-09
FEV1FVC	EXOC4	cg07608826	rs1149552	A	G	0.177	0.025	0.325	7.22E-13	0.004	0.003	0.168	0.014	51.455	TRUE	2.67E-12
FEV1FVC	EXOC4	cg07608826	rs11769029	G	T	-0.199	0.024	0.377	1.27E-16	-0.006	0.003	0.015	0.018	68.468	TRUE	1.50E-15
FEV1FVC	EXOC4	cg07608826	rs12707132	T	C	-0.321	0.045	0.072	8.35E-13	-0.001	0.004	0.836	0.014	51.170	TRUE	1.40E-12
FEV1FVC	EXOC4	cg07608826	rs16874341	T	C	-0.272	0.033	0.138	2.49E-16	0.001	0.004	0.797	0.018	67.134	TRUE	5.24E-16
FEV1FVC	EXOC4	cg07608826	rs55963182	T	C	-0.297	0.042	0.091	1.04E-12	-0.004	0.005	0.406	0.014	50.747	TRUE	2.65E-12
FEV1FVC	EXOC4	cg07608826	rs62470397	C	T	-0.279	0.033	0.151	1.34E-17	-0.004	0.004	0.308	0.019	72.889	TRUE	5.58E-17
FEV1FVC	EXOC4	cg07608826	rs6467475	A	G	-0.162	0.025	0.344	1.20E-10	-0.005	0.003	0.056	0.011	41.440	TRUE	5.38E-10
FEV1FVC	EXOC4	cg07608826	rs6954610	A	G	0.533	0.023	0.460	2.89E-122	0.002	0.002	0.496	0.130	552.642	TRUE	6.19E-115
FEV1FVC	EXOC4	cg10665199	rs10234153	C	G	-0.341	0.027	0.222	1.71E-35	-0.001	0.003	0.703	0.040	154.519	TRUE	1.66E-34
FEV1FVC	EXOC4	cg10665199	rs117359401	T	C	-0.378	0.062	0.036	1.17E-09	0.006	0.007	0.395	0.010	36.996	TRUE	2.50E-09
FEV1FVC	EXOC4	cg10665199	rs11767440	C	G	-0.151	0.025	0.362	7.12E-10	-0.002	0.003	0.556	0.010	37.968	TRUE	1.32E-09
FEV1FVC	EXOC4	cg10665199	rs13240465	G	A	0.771	0.021	0.337	1.21E-286	-0.004	0.003	0.110	0.261	1308.357	TRUE	2.12E-253
FEV1FVC	EXOC4	cg10665199	rs148224531	T	C	0.476	0.061	0.043	4.62E-15	-0.010	0.006	0.111	0.016	61.383	TRUE	2.46E-14
FEV1FVC	EXOC4	cg10665199	rs151158616	T	G	-0.397	0.072	0.032	3.22E-08	-0.012	0.007	0.078	0.008	30.557	TRUE	1.01E-07
FEV1FVC	EXOC4	cg10665199	rs1791002	A	C	0.131	0.024	0.414	3.18E-08	-0.004	0.002	0.099	0.008	30.577	TRUE	9.48E-08
FEV1FVC	EXOC4	cg10665199	rs1922420	C	A	-0.461	0.027	0.218	1.28E-65	0.003	0.003	0.388	0.073	292.546	TRUE	8.77E-63
FEV1FVC	EXOC4	cg10665199	rs35176962	C	A	0.377	0.024	0.314	5.98E-54	0.002	0.003	0.380	0.061	239.037	TRUE	8.50E-52
FEV1FVC	EXOC4	cg10665199	rs55865736	A	C	0.333	0.038	0.118	9.90E-19	-0.003	0.004	0.417	0.021	78.037	TRUE	3.82E-18
FEV1FVC	EXOC4	cg10665199	rs62462533	A	G	0.176	0.027	0.244	1.36E-10	-0.001	0.003	0.682	0.011	41.192	TRUE	2.32E-10
FEV1FVC	EXOC4	cg10665199	rs62470436	A	G	0.559	0.052	0.054	1.71E-26	-0.001	0.005	0.778	0.030	113.394	TRUE	7.06E-26
FEV1FVC	EXOC4	cg10665199	rs73150814	T	C	-0.415	0.050	0.060	5.16E-17	0.004	0.005	0.446	0.019	70.236	TRUE	1.70E-16
FEV1FVC	EXOC4	cg10665199	rs77206411	C	T	-0.257	0.039	0.097	3.65E-11	0.000	0.004	0.992	0.012	43.767	TRUE	4.98E-11
FEV1FVC	EXOC4	cg10665199	rs78285750	G	C	0.454	0.055	0.047	2.03E-16	-0.004	0.006	0.507	0.018	67.536	TRUE	5.96E-16
FEV1FVC	EXOC4	cg13616215	rs2542274	T	C	-0.154	0.023	0.456	2.74E-11	0.002	0.002	0.419	0.012	44.328	TRUE	6.25E-11
FEV1FVC	EXOC4	cg13616215	rs73165664	A	C	0.151	0.027	0.231	1.61E-08	0.001	0.003	0.713	0.009	31.893	TRUE	2.46E-08
FEV1FVC	EXOC4	cg22702741	rs9987001	G	C	-0.238	0.033	0.154	2.50E-13	-0.002	0.003	0.650	0.014	53.536	TRUE	5.15E-13
FEV1FVC	EXOC4	cg23169584	rs10252584	G	A	0.148	0.025	0.366	2.22E-09	0.000	0.003	0.940	0.010	35.749	TRUE	2.96E-09

FEV1FVC	EXOC4	cg23169584	rs11562036	C	T	0.307	0.025	0.332	6.72E-35	-0.005	0.003	0.079	0.039	151.802	TRUE	3.23E-33
FEV1FVC	EXOC4	cg23169584	rs12666682	A	C	0.184	0.023	0.423	2.99E-15	-0.002	0.002	0.332	0.017	62.242	TRUE	1.01E-14
FEV1FVC	EXOC4	cg23169584	rs143713417	T	G	-0.837	0.105	0.011	1.18E-15	0.005	0.012	0.664	0.017	64.074	TRUE	2.74E-15
FEV1FVC	EXOC4	cg23169584	rs144525480	C	G	-0.911	0.082	0.019	1.58E-28	0.002	0.009	0.832	0.032	122.680	TRUE	7.14E-28
FEV1FVC	EXOC4	cg23169584	rs146687467	C	T	-1.118	0.108	0.015	3.26E-25	-0.017	0.011	0.106	0.028	107.560	TRUE	4.61E-24
FEV1FVC	EXOC4	cg23169584	rs17573824	G	C	-0.327	0.028	0.203	3.39E-31	0.000	0.003	0.911	0.035	134.876	TRUE	1.66E-30
FEV1FVC	EXOC4	cg23169584	rs2346441	G	A	0.292	0.033	0.154	4.41E-19	-0.001	0.003	0.691	0.021	79.632	TRUE	1.23E-18
FEV1FVC	EXOC4	cg23169584	rs55963182	T	C	-0.538	0.041	0.091	1.13E-38	-0.004	0.005	0.406	0.044	169.069	TRUE	2.54E-37
FEV1FVC	EXOC4	cg23169584	rs62462495	G	A	0.274	0.031	0.184	3.86E-19	0.001	0.003	0.802	0.021	79.896	TRUE	9.66E-19
FEV1FVC	EXOC4	cg23169584	rs62470953	T	C	0.225	0.040	0.103	1.56E-08	-0.004	0.004	0.245	0.009	31.954	TRUE	3.64E-08
FEV1FVC	EXOC4	cg23169584	rs73148952	A	G	-1.302	0.183	0.010	1.05E-12	-0.018	0.014	0.197	0.014	50.721	TRUE	3.69E-12
FEV1FVC	EXOC4	cg23169584	rs73164816	A	G	-0.491	0.043	0.080	6.74E-30	0.005	0.005	0.312	0.034	128.943	TRUE	7.90E-29
FEV1FVC	EXOC4	cg23169584	rs73165643	T	C	-0.910	0.063	0.039	9.33E-47	0.006	0.006	0.353	0.053	206.075	TRUE	5.93E-45
FEV1FVC	EXOC4	cg23169584	rs7778582	G	A	-1.416	0.024	0.139	<1E-200	0.004	0.004	0.220	0.482	3443.650	TRUE	<1E-200
FEV1FVC	EXOC4	cg23169584	rs8180775	T	C	-0.451	0.039	0.102	1.96E-31	0.009	0.004	0.026	0.035	135.965	TRUE	1.00E-29
FEV1FVC	EXOC4	cg25467879	rs12707122	C	A	-0.236	0.027	0.270	1.65E-18	-0.005	0.003	0.083	0.020	77.029	TRUE	1.36E-17
FEV1FVC	EXOC4	cg25467879	rs55977260	G	T	-0.245	0.039	0.096	2.89E-10	0.001	0.004	0.744	0.011	39.727	TRUE	4.66E-10
FEV1FVC	EXOC4	cg25467879	rs7457999	C	T	0.247	0.028	0.233	8.84E-19	0.000	0.003	0.974	0.021	78.260	TRUE	1.78E-18
FEV1FVC	EYA2	cg00507855	rs11698310	G	A	-0.206	0.026	0.275	2.30E-15	-0.003	0.003	0.233	0.017	62.756	TRUE	9.32E-15
FEV1FVC	EYA2	cg00507855	rs11698823	A	T	0.187	0.027	0.255	6.06E-12	-0.001	0.003	0.730	0.013	47.284	TRUE	1.06E-11
FEV1FVC	EYA2	cg00507855	rs143763104	T	G	-0.853	0.131	0.014	6.50E-11	-0.015	0.011	0.150	0.011	42.640	TRUE	2.15E-10
FEV1FVC	EYA2	cg06554935	rs6122562	G	A	0.214	0.023	0.471	3.05E-20	-0.003	0.002	0.225	0.022	84.913	TRUE	1.87E-19
FEV1FVC	EYA2	cg26046136	rs6018188	G	A	-0.215	0.024	0.496	7.75E-20	-0.005	0.002	0.038	0.022	83.069	TRUE	9.73E-19
FEV1FVC	EYA2	cg27589058	rs116887461	A	G	0.660	0.105	0.028	3.71E-10	-0.001	0.007	0.889	0.010	39.239	TRUE	5.29E-10
FEV1FVC	EYA2	cg27589058	rs11696358	G	C	-0.227	0.037	0.111	1.32E-09	-0.005	0.004	0.164	0.010	36.760	TRUE	3.86E-09
FEV1FVC	EYA2	cg27589058	rs1340774	G	C	0.174	0.026	0.285	3.23E-11	0.000	0.003	0.884	0.012	44.010	TRUE	4.87E-11
FEV1FVC	EYA2	cg27589058	rs141614125	T	C	-0.587	0.082	0.020	1.09E-12	0.006	0.008	0.461	0.014	50.652	TRUE	2.63E-12
FEV1FVC	EYA2	cg27589058	rs2066225	T	C	0.290	0.023	0.487	2.61E-35	0.005	0.002	0.057	0.040	153.680	TRUE	1.43E-33
FEV1FVC	EYA2	cg27589058	rs28410109	T	C	0.422	0.056	0.045	3.34E-14	0.010	0.006	0.084	0.015	57.494	TRUE	1.82E-13
FEV1FVC	EYA2	cg27589058	rs2868859	T	C	0.277	0.024	0.356	7.88E-30	-0.001	0.003	0.837	0.034	128.634	TRUE	3.87E-29
FEV1FVC	EYA2	cg27589058	rs2903940	G	A	0.824	0.020	0.495	<1E-200	0.002	0.002	0.357	0.309	1652.887	TRUE	<1E-200
FEV1FVC	EYA2	cg27589058	rs4810621	C	T	-0.467	0.036	0.125	2.49E-39	0.000	0.004	0.978	0.044	172.074	TRUE	2.23E-38
FEV1FVC	EYA2	cg27589058	rs6018337	A	G	0.405	0.057	0.087	9.67E-13	-0.002	0.004	0.720	0.014	50.882	TRUE	1.80E-12
FEV1FVC	EYA2	cg27589058	rs6066249	T	C	-0.373	0.024	0.404	2.11E-54	-0.005	0.002	0.045	0.061	241.109	TRUE	1.73E-51
FEV1FVC	EYA4	cg00156497	rs113131165	A	G	-0.869	0.116	0.011	7.68E-14	0.011	0.011	0.326	0.015	55.855	TRUE	2.37E-13
FEV1FVC	EYA4	cg00156497	rs117434049	A	G	0.472	0.080	0.026	3.44E-09	0.010	0.008	0.222	0.009	34.898	TRUE	8.78E-09
FEV1FVC	EYA4	cg00156497	rs12154093	T	C	-0.696	0.093	0.016	6.51E-14	0.013	0.009	0.149	0.015	56.182	TRUE	2.81E-13
FEV1FVC	EYA4	cg00156497	rs12189904	T	C	0.516	0.036	0.144	3.56E-47	0.009	0.003	0.007	0.053	207.994	TRUE	2.57E-44
FEV1FVC	EYA4	cg00156497	rs1343867	T	C	0.635	0.025	0.348	1.88E-138	0.005	0.003	0.043	0.145	627.016	TRUE	4.97E-128
FEV1FVC	EYA4	cg00156497	rs141902412	G	T	-0.507	0.090	0.046	2.03E-08	0.012	0.006	0.043	0.008	31.452	TRUE	7.48E-08
FEV1FVC	EYA4	cg00156497	rs150999062	A	C	-0.967	0.075	0.025	2.12E-38	0.003	0.008	0.701	0.043	167.813	TRUE	2.73E-37
FEV1FVC	EYA4	cg00156497	rs184200748	T	A	0.519	0.076	0.022	1.16E-11	-0.006	0.008	0.432	0.012	46.016	TRUE	2.69E-11

FEV1FVC	EYA4	cg00156497	rs2104261	T	C	-0.233	0.031	0.206	1.23E-13	0.009	0.003	0.002	0.015	54.937	TRUE	1.68E-12
FEV1FVC	EYA4	cg00156497	rs211436	T	C	0.600	0.029	0.244	8.99E-98	-0.008	0.003	0.003	0.106	440.132	TRUE	8.56E-91
FEV1FVC	EYA4	cg00156497	rs212785	C	T	0.358	0.039	0.116	4.68E-20	-0.006	0.004	0.113	0.022	84.066	TRUE	3.98E-19
FEV1FVC	EYA4	cg00156497	rs2294758	A	G	-0.211	0.027	0.326	9.98E-15	-0.001	0.003	0.774	0.016	59.867	TRUE	1.96E-14
FEV1FVC	EYA4	cg00156497	rs2327351	G	A	-0.432	0.029	0.248	2.94E-50	0.005	0.003	0.067	0.057	222.117	TRUE	1.03E-47
FEV1FVC	EYA4	cg00156497	rs2636610	A	G	0.212	0.033	0.168	1.81E-10	-0.006	0.003	0.043	0.011	40.642	TRUE	8.15E-10
FEV1FVC	EYA4	cg00156497	rs271140	G	A	0.343	0.027	0.354	3.68E-38	-0.005	0.003	0.078	0.043	166.720	TRUE	2.58E-36
FEV1FVC	EYA4	cg00156497	rs3798355	T	C	0.399	0.048	0.072	1.97E-16	-0.008	0.005	0.095	0.018	67.594	TRUE	1.26E-15
FEV1FVC	EYA4	cg00156497	rs509685	A	G	-0.975	0.025	0.266	<1E-200	0.002	0.003	0.548	0.296	1554.923	TRUE	2.15E-297
FEV1FVC	EYA4	cg00156497	rs59740783	A	G	-0.253	0.040	0.116	1.60E-10	0.003	0.004	0.499	0.011	40.877	TRUE	3.24E-10
FEV1FVC	EYA4	cg00156497	rs72996130	C	A	0.474	0.085	0.051	2.64E-08	-0.012	0.005	0.017	0.008	30.937	TRUE	1.15E-07
FEV1FVC	EYA4	cg00156497	rs75673578	T	C	-0.567	0.077	0.065	1.44E-13	0.004	0.005	0.410	0.015	54.627	TRUE	3.89E-13
FEV1FVC	EYA4	cg00156497	rs75800244	T	C	-0.344	0.055	0.055	3.22E-10	0.008	0.005	0.105	0.011	39.517	TRUE	1.13E-09
FEV1FVC	EYA4	cg00156497	rs7750244	T	C	0.422	0.029	0.257	7.14E-48	-0.002	0.003	0.383	0.054	211.189	TRUE	4.65E-46
FEV1FVC	EYA4	cg00156497	rs79506917	G	A	0.414	0.052	0.056	2.93E-15	0.005	0.005	0.237	0.017	62.281	TRUE	1.16E-14
FEV1FVC	EYA4	cg00156497	rs79597233	C	T	-0.784	0.096	0.016	4.24E-16	-0.002	0.009	0.803	0.018	66.084	TRUE	8.77E-16
FEV1FVC	EYA4	cg00156497	rs9373034	T	C	0.245	0.028	0.317	1.07E-18	-0.003	0.003	0.258	0.021	77.881	TRUE	5.51E-18
FEV1FVC	EYA4	cg00156497	rs998630	G	A	-0.453	0.081	0.026	1.90E-08	0.010	0.007	0.199	0.008	31.579	TRUE	4.74E-08
FEV1FVC	EYA4	cg01162672	rs569833	T	C	0.190	0.029	0.252	1.20E-10	0.001	0.003	0.659	0.011	41.441	TRUE	2.10E-10
FEV1FVC	EYA4	cg08917489	rs3777781	A	T	-0.228	0.030	0.221	3.09E-14	0.005	0.003	0.112	0.015	57.648	TRUE	1.54E-13
FEV1FVC	EYA4	cg08917489	rs9402497	A	G	0.235	0.031	0.221	1.36E-14	0.007	0.003	0.016	0.016	59.254	TRUE	1.23E-13
FEV1FVC	EYA4	cg10105884	rs7756044	C	T	0.302	0.042	0.100	6.11E-13	-0.012	0.004	0.004	0.014	51.784	TRUE	6.63E-12
FEV1FVC	EYA4	cg13912545	rs1338009	C	T	0.228	0.025	0.442	2.10E-19	0.008	0.002	4.77E-04	0.021	81.099	TRUE	8.28E-18
FEV1FVC	EYA4	cg17722675	rs546329	C	T	0.164	0.027	0.369	7.49E-10	0.000	0.003	0.881	0.010	37.868	TRUE	1.07E-09
FEV1FVC	EYA4	cg17985029	rs12200155	A	G	0.320	0.030	0.223	9.42E-26	0.005	0.003	0.091	0.029	110.018	TRUE	1.51E-24
FEV1FVC	EYA4	cg17985029	rs1338009	C	T	0.662	0.024	0.442	1.08E-167	0.008	0.002	4.77E-04	0.171	761.400	TRUE	4.96E-152
FEV1FVC	EYA4	cg17985029	rs1338015	G	A	0.547	0.063	0.042	5.28E-18	-0.006	0.006	0.260	0.020	74.731	TRUE	2.50E-17
FEV1FVC	EYA4	cg17985029	rs1763931	T	C	0.407	0.072	0.033	1.48E-08	0.014	0.007	0.038	0.009	32.056	TRUE	5.73E-08
FEV1FVC	EYA4	cg17985029	rs271146	A	G	-0.189	0.028	0.309	8.94E-12	0.001	0.003	0.817	0.012	46.523	TRUE	1.45E-11
FEV1FVC	EYA4	cg17985029	rs35047285	T	A	0.221	0.028	0.297	1.93E-15	0.000	0.003	0.926	0.017	63.101	TRUE	3.37E-15
FEV1FVC	EYA4	cg17985029	rs6569884	T	G	0.157	0.027	0.343	4.23E-09	-0.003	0.003	0.248	0.009	34.496	TRUE	1.03E-08
FEV1FVC	EYA4	cg17985029	rs6915515	C	T	0.193	0.034	0.166	1.20E-08	0.002	0.003	0.482	0.009	32.463	TRUE	2.18E-08
FEV1FVC	EYA4	cg17985029	rs764263	C	G	-0.188	0.028	0.291	2.45E-11	0.001	0.003	0.697	0.012	44.553	TRUE	4.31E-11
FEV1FVC	EYA4	cg17985029	rs78088188	A	G	0.421	0.063	0.039	2.27E-11	0.001	0.006	0.876	0.012	44.699	TRUE	3.46E-11
FEV1FVC	EYA4	cg17985029	rs79506917	G	A	0.347	0.053	0.056	4.03E-11	0.005	0.005	0.237	0.012	43.574	TRUE	1.16E-10
FEV1FVC	EYA4	cg17985029	rs9493593	T	A	-0.277	0.030	0.227	3.05E-20	-0.010	0.003	5.88E-04	0.022	84.908	TRUE	1.35E-18
FEV1FVC	EYA4	cg17985029	rs9493650	G	T	0.218	0.030	0.213	2.56E-13	-0.006	0.003	0.026	0.014	53.495	TRUE	1.83E-12
FEV1FVC	EYA4	cg18714224	rs116854053	G	A	-0.618	0.107	0.025	8.92E-09	0.007	0.008	0.346	0.009	33.044	TRUE	1.89E-08
FEV1FVC	EYA4	cg18714224	rs1414982	G	A	-0.211	0.026	0.412	2.02E-16	0.003	0.002	0.292	0.018	67.549	TRUE	8.17E-16
FEV1FVC	EYA4	cg18714224	rs142408436	C	T	-0.474	0.076	0.024	5.51E-10	0.005	0.007	0.451	0.010	38.466	TRUE	1.12E-09
FEV1FVC	EYA4	cg18714224	rs211630	A	C	-0.325	0.053	0.058	9.22E-10	0.001	0.006	0.813	0.010	37.464	TRUE	1.37E-09
FEV1FVC	EYA4	cg18714224	rs2145351	A	G	-0.565	0.029	0.222	4.30E-83	0.005	0.003	0.098	0.092	372.731	TRUE	2.11E-78

FEV1FVC	EYA4	cg18714224	rs2765784	C	G	0.166	0.026	0.351	3.46E-10	-0.009	0.003	1.69E-04	0.011	39.377	TRUE	4.24E-09
FEV1FVC	EYA4	cg18714224	rs56017741	C	T	0.206	0.030	0.241	8.16E-12	0.002	0.003	0.440	0.012	46.703	TRUE	1.92E-11
FEV1FVC	EYA4	cg18817392	rs73544950	A	C	-0.368	0.055	0.057	2.42E-11	-0.006	0.005	0.302	0.012	44.575	TRUE	6.47E-11
FEV1FVC	EYA4	cg20422212	rs35047285	T	A	-0.153	0.028	0.297	3.64E-08	0.000	0.003	0.926	0.008	30.318	TRUE	4.62E-08
FEV1FVC	EYA4	cg21296676	rs9389054	C	T	0.224	0.025	0.443	8.72E-19	0.008	0.002	4.26E-04	0.021	78.286	TRUE	3.16E-17
FEV1FVC	EYA4	cg21390624	rs1338009	C	T	0.171	0.025	0.442	1.71E-11	0.008	0.002	4.77E-04	0.012	45.257	TRUE	2.20E-10
FEV1FVC	EYA4	cg24675448	rs146295755	T	C	0.699	0.079	0.026	1.22E-18	0.008	0.008	0.340	0.021	77.623	TRUE	5.32E-18
FEV1FVC	EYA4	cg24675448	rs17639928	G	A	0.455	0.075	0.032	1.05E-09	0.006	0.007	0.380	0.010	37.216	TRUE	2.26E-09
FEV1FVC	EYA4	cg24675448	rs17819710	C	T	-0.239	0.041	0.109	4.27E-09	-0.001	0.004	0.807	0.009	34.477	TRUE	6.16E-09
FEV1FVC	EYA4	cg24675448	rs184200748	T	A	0.682	0.076	0.022	3.53E-19	-0.006	0.008	0.432	0.021	80.074	TRUE	1.37E-18
FEV1FVC	EYA4	cg24675448	rs212816	A	T	0.216	0.028	0.264	1.07E-14	-0.003	0.003	0.292	0.016	59.731	TRUE	3.78E-14
FEV1FVC	EYA4	cg24675448	rs4513809	G	A	-0.315	0.057	0.056	3.09E-08	-0.010	0.005	0.061	0.008	30.636	TRUE	1.02E-07
FEV1FVC	EYA4	cg24675448	rs540346	T	C	-0.247	0.026	0.424	1.05E-21	-0.006	0.002	0.017	0.024	91.569	TRUE	2.17E-20
FEV1FVC	EYA4	cg24675448	rs6569884	T	G	0.173	0.027	0.343	8.74E-11	-0.003	0.003	0.248	0.011	42.062	TRUE	2.42E-10
FEV1FVC	EYA4	cg24675448	rs75920132	C	A	0.692	0.077	0.027	2.18E-19	0.006	0.008	0.442	0.021	81.027	TRUE	8.54E-19
FEV1FVC	EYA4	cg24675448	rs7756667	A	G	0.567	0.081	0.026	3.23E-12	0.003	0.008	0.687	0.013	48.520	TRUE	6.02E-12
FEV1FVC	EYA4	cg24675448	rs79388041	T	C	0.579	0.097	0.018	2.40E-09	0.014	0.009	0.115	0.010	35.598	TRUE	7.52E-09
FEV1FVC	EYA4	cg24675448	rs79506917	G	A	0.453	0.052	0.056	4.86E-18	0.005	0.005	0.237	0.020	74.896	TRUE	2.41E-17
FEV1FVC	EYA4	cg24675448	rs9385643	A	G	0.299	0.025	0.492	1.86E-32	0.003	0.002	0.167	0.037	140.632	TRUE	4.23E-31
FEV1FVC	EYA4	cg24675448	rs9399054	A	G	0.824	0.029	0.219	3.19E-180	0.008	0.003	0.007	0.181	819.002	TRUE	9.48E-164
FEV1FVC	EYA4	cg24675448	rs9402503	A	C	0.378	0.042	0.261	3.88E-19	0.007	0.003	0.014	0.021	79.887	TRUE	6.32E-18
FEV1FVC	EYA4	cg24675448	rs9493417	G	A	0.153	0.025	0.471	1.18E-09	0.004	0.002	0.101	0.010	36.975	TRUE	3.95E-09
FEV1FVC	EYA4	cg25075347	rs12202432	A	G	0.376	0.056	0.053	2.22E-11	-0.003	0.005	0.531	0.012	44.744	TRUE	4.60E-11
FEV1FVC	EYA4	cg25075347	rs13212719	G	A	0.399	0.033	0.174	1.06E-33	-0.008	0.003	0.015	0.038	146.317	TRUE	8.87E-32
FEV1FVC	EYA4	cg25075347	rs148326755	T	G	0.467	0.085	0.020	3.36E-08	-0.014	0.008	0.095	0.008	30.471	TRUE	1.00E-07
FEV1FVC	EYA4	cg25075347	rs159408	T	A	0.397	0.026	0.390	1.79E-54	-0.001	0.002	0.567	0.061	241.433	TRUE	1.77E-52
FEV1FVC	EYA4	cg25075347	rs17642884	G	A	-0.279	0.034	0.162	2.82E-16	0.008	0.003	0.011	0.018	66.892	TRUE	3.62E-15
FEV1FVC	EYA4	cg25075347	rs211621	G	A	0.497	0.048	0.077	8.63E-25	0.004	0.005	0.454	0.028	105.631	TRUE	5.03E-24
FEV1FVC	EYA4	cg25075347	rs211623	T	G	0.938	0.019	0.466	<1E-200	-0.004	0.002	0.115	0.388	2349.486	TRUE	<1E-200
FEV1FVC	EYA4	cg25075347	rs271114	T	C	-0.200	0.026	0.431	1.80E-14	0.004	0.002	0.096	0.016	58.709	TRUE	9.59E-14
FEV1FVC	EYA4	cg25075347	rs35762882	C	T	0.818	0.140	0.016	5.31E-09	-0.014	0.008	0.095	0.009	34.053	TRUE	1.70E-08
FEV1FVC	EYA4	cg25075347	rs498079	G	C	-0.341	0.029	0.260	2.82E-31	0.002	0.003	0.457	0.035	135.240	TRUE	2.74E-30
FEV1FVC	EYA4	cg25075347	rs6569884	T	G	0.197	0.027	0.343	1.40E-13	-0.003	0.003	0.248	0.015	54.671	TRUE	4.83E-13
FEV1FVC	EYA4	cg25075347	rs78413605	C	G	0.284	0.030	0.227	5.67E-21	-0.011	0.011	0.351	0.023	88.235	TRUE	2.90E-20
FEV1FVC	EYA4	cg25075347	rs78507367	T	A	-0.241	0.042	0.101	1.23E-08	-0.005	0.004	0.205	0.009	32.415	TRUE	3.04E-08
FEV1FVC	EYA4	cg25075347	rs9389048	T	C	0.285	0.037	0.142	1.22E-14	-0.003	0.003	0.429	0.016	59.472	TRUE	3.48E-14
FEV1FVC	EYA4	cg25075347	rs9483586	A	G	-0.281	0.028	0.294	6.07E-24	0.004	0.003	0.130	0.027	101.769	TRUE	7.01E-23
FEV1FVC	FADS2	cg00603274	rs115588270	G	C	-0.465	0.055	0.043	3.69E-17	0.002	0.006	0.711	0.019	70.900	TRUE	8.90E-17
FEV1FVC	FADS2	cg00603274	rs137915577	A	G	-0.601	0.098	0.012	1.01E-09	-0.018	0.010	0.064	0.010	37.276	TRUE	3.87E-09
FEV1FVC	FADS2	cg00603274	rs17185413	C	T	-0.202	0.028	0.218	9.06E-13	-0.002	0.003	0.394	0.014	51.010	TRUE	2.38E-12
FEV1FVC	FADS2	cg00603274	rs174455	G	A	-0.410	0.024	0.347	5.02E-66	-0.007	0.003	0.007	0.074	294.411	TRUE	6.73E-62
FEV1FVC	FADS2	cg00603274	rs174472	G	A	-0.182	0.024	0.407	3.65E-14	0.003	0.002	0.248	0.015	57.319	TRUE	1.32E-13

FEV1FVC	FADS2	cg00603274	rs198459	A	G	0.262	0.029	0.219	4.42E-20	0.002	0.003	0.417	0.022	84.176	TRUE	1.92E-19
FEV1FVC	FADS2	cg00603274	rs2521572	T	G	-0.364	0.056	0.046	1.05E-10	-0.005	0.006	0.404	0.011	41.700	TRUE	2.36E-10
FEV1FVC	FADS2	cg00603274	rs387137	C	G	-0.134	0.024	0.400	3.12E-08	-0.002	0.003	0.322	0.008	30.616	TRUE	6.39E-08
FEV1FVC	FADS2	cg00603274	rs400075	T	C	-0.291	0.027	0.242	1.91E-26	-0.004	0.003	0.182	0.030	113.182	TRUE	2.26E-25
FEV1FVC	FADS2	cg00603274	rs472031	A	G	0.284	0.039	0.089	1.56E-13	0.006	0.004	0.139	0.015	54.461	TRUE	6.68E-13
FEV1FVC	FADS2	cg00603274	rs509360	A	G	0.335	0.025	0.336	9.87E-41	0.005	0.003	0.065	0.046	178.490	TRUE	9.51E-39
FEV1FVC	FADS2	cg00603274	rs66905042	C	A	0.196	0.033	0.135	3.44E-09	0.007	0.004	0.060	0.009	34.899	TRUE	1.27E-08
FEV1FVC	FADS2	cg00603274	rs7102974	T	C	-0.778	0.086	0.016	1.26E-19	-0.011	0.009	0.241	0.022	82.105	TRUE	7.12E-19
FEV1FVC	FADS2	cg00603274	rs7928482	A	G	-0.582	0.092	0.014	2.52E-10	-0.002	0.009	0.852	0.011	39.995	TRUE	3.72E-10
FEV1FVC	FADS2	cg00603274	rs968567	T	C	-0.978	0.026	0.176	<1E-200	-0.008	0.003	0.010	0.278	1421.109	TRUE	1.27E-271
FEV1FVC	FADS2	cg01400685	rs1692116	A	G	0.190	0.033	0.138	7.28E-09	0.007	0.004	0.045	0.009	33.439	TRUE	2.77E-08
FEV1FVC	FADS2	cg01400685	rs17185413	C	T	-0.243	0.028	0.218	8.34E-18	-0.002	0.003	0.394	0.020	73.831	TRUE	3.13E-17
FEV1FVC	FADS2	cg01400685	rs174455	G	A	-0.403	0.024	0.347	6.62E-64	-0.007	0.003	0.007	0.071	284.688	TRUE	6.22E-60
FEV1FVC	FADS2	cg01400685	rs198459	A	G	0.229	0.029	0.219	1.22E-15	0.002	0.003	0.417	0.017	64.005	TRUE	3.83E-15
FEV1FVC	FADS2	cg01400685	rs198475	T	C	-0.276	0.027	0.245	6.44E-24	-0.004	0.003	0.151	0.027	101.650	TRUE	6.69E-23
FEV1FVC	FADS2	cg01400685	rs2521572	T	G	-0.374	0.056	0.046	2.91E-11	-0.005	0.006	0.404	0.012	44.212	TRUE	6.79E-11
FEV1FVC	FADS2	cg01400685	rs2727266	G	A	-0.277	0.048	0.068	5.54E-09	-0.001	0.005	0.813	0.009	33.970	TRUE	7.94E-09
FEV1FVC	FADS2	cg01400685	rs387137	C	G	-0.146	0.024	0.400	1.33E-09	-0.002	0.003	0.322	0.010	36.746	TRUE	3.00E-09
FEV1FVC	FADS2	cg01400685	rs509360	A	G	0.324	0.025	0.336	4.74E-38	0.005	0.003	0.065	0.043	166.216	TRUE	3.31E-36
FEV1FVC	FADS2	cg01400685	rs562172	T	C	0.305	0.039	0.091	3.46E-15	0.006	0.004	0.129	0.016	61.951	TRUE	1.74E-14
FEV1FVC	FADS2	cg01400685	rs7102974	T	C	-0.741	0.086	0.016	5.90E-18	-0.011	0.009	0.241	0.020	74.513	TRUE	2.90E-17
FEV1FVC	FADS2	cg01400685	rs7928482	A	G	-0.652	0.092	0.014	1.32E-12	-0.002	0.009	0.852	0.013	50.266	TRUE	2.17E-12
FEV1FVC	FADS2	cg01400685	rs968567	T	C	-0.932	0.026	0.176	1.33E-277	-0.008	0.003	0.010	0.255	1266.784	TRUE	7.53E-245
FEV1FVC	FADS2	cg06781209	rs115588270	G	C	-0.322	0.055	0.043	5.94E-09	0.002	0.006	0.711	0.009	33.835	TRUE	9.18E-09
FEV1FVC	FADS2	cg06781209	rs12288004	A	G	0.241	0.044	0.082	3.89E-08	0.004	0.004	0.336	0.008	30.186	TRUE	7.89E-08
FEV1FVC	FADS2	cg06781209	rs137915577	A	G	-0.594	0.098	0.012	1.58E-09	-0.018	0.010	0.064	0.010	36.416	TRUE	5.90E-09
FEV1FVC	FADS2	cg06781209	rs17185413	C	T	-0.274	0.028	0.218	3.31E-22	-0.002	0.003	0.394	0.025	93.857	TRUE	1.73E-21
FEV1FVC	FADS2	cg06781209	rs174455	G	A	-0.436	0.024	0.347	1.46E-74	-0.007	0.003	0.007	0.083	333.574	TRUE	8.74E-70
FEV1FVC	FADS2	cg06781209	rs198443	T	G	-0.160	0.024	0.437	1.29E-11	0.002	0.002	0.455	0.012	45.802	TRUE	2.93E-11
FEV1FVC	FADS2	cg06781209	rs198476	A	G	0.265	0.023	0.492	7.84E-30	0.004	0.002	0.072	0.034	128.644	TRUE	2.13E-28
FEV1FVC	FADS2	cg06781209	rs2235093	A	G	0.234	0.024	0.492	3.88E-23	-0.003	0.002	0.264	0.026	98.098	TRUE	2.82E-22
FEV1FVC	FADS2	cg06781209	rs2521572	T	G	-0.387	0.056	0.046	6.72E-12	-0.005	0.006	0.404	0.013	47.083	TRUE	1.63E-11
FEV1FVC	FADS2	cg06781209	rs472031	A	G	0.305	0.039	0.089	2.60E-15	0.006	0.004	0.139	0.017	62.517	TRUE	1.30E-14
FEV1FVC	FADS2	cg06781209	rs509360	A	G	0.334	0.025	0.336	2.80E-40	0.005	0.003	0.065	0.046	176.414	TRUE	2.56E-38
FEV1FVC	FADS2	cg06781209	rs66905042	C	A	0.198	0.033	0.135	2.46E-09	0.007	0.004	0.060	0.010	35.548	TRUE	9.24E-09
FEV1FVC	FADS2	cg06781209	rs7102974	T	C	-0.845	0.086	0.016	6.95E-23	-0.011	0.009	0.241	0.026	96.942	TRUE	5.17E-22
FEV1FVC	FADS2	cg06781209	rs72926147	A	G	-0.469	0.078	0.023	2.27E-09	-0.006	0.008	0.447	0.010	35.708	TRUE	4.49E-09
FEV1FVC	FADS2	cg06781209	rs7928482	A	G	-0.693	0.092	0.014	5.01E-14	-0.002	0.009	0.852	0.015	56.696	TRUE	8.81E-14
FEV1FVC	FADS2	cg06781209	rs7943728	A	G	-1.015	0.026	0.170	<1E-200	-0.009	0.003	0.004	0.292	1523.865	TRUE	1.15E-288
FEV1FVC	FADS2	cg07005513	rs174544	A	C	-0.203	0.025	0.297	6.01E-16	-0.007	0.003	0.007	0.017	65.399	TRUE	7.77E-15
FEV1FVC	FADS2	cg07591205	rs174544	A	C	0.196	0.025	0.297	2.82E-15	-0.007	0.003	0.007	0.017	62.352	TRUE	3.37E-14
FEV1FVC	FADS2	cg07999042	rs61897793	A	G	0.172	0.029	0.179	4.46E-09	-0.007	0.003	0.018	0.009	34.395	TRUE	2.07E-08

FEV1FVC	FADS2	cg11250194	rs117702910	G	C	-0.352	0.055	0.041	2.04E-10	0.001	0.006	0.808	0.011	40.407	TRUE	3.15E-10
FEV1FVC	FADS2	cg11250194	rs137915577	A	G	-0.582	0.098	0.012	3.25E-09	-0.018	0.010	0.064	0.009	35.010	TRUE	1.18E-08
FEV1FVC	FADS2	cg11250194	rs17185413	C	T	-0.281	0.028	0.218	2.81E-23	-0.002	0.003	0.394	0.026	98.732	TRUE	1.61E-22
FEV1FVC	FADS2	cg11250194	rs174455	G	A	-0.498	0.024	0.347	1.48E-98	-0.007	0.003	0.007	0.107	443.725	TRUE	1.03E-91
FEV1FVC	FADS2	cg11250194	rs198476	A	G	0.265	0.023	0.492	6.97E-30	0.004	0.002	0.072	0.034	128.877	TRUE	1.90E-28
FEV1FVC	FADS2	cg11250194	rs2235093	A	G	0.196	0.024	0.492	9.40E-17	-0.003	0.002	0.264	0.018	69.055	TRUE	4.04E-16
FEV1FVC	FADS2	cg11250194	rs2521572	T	G	-0.433	0.056	0.046	1.41E-14	-0.005	0.006	0.404	0.016	59.188	TRUE	4.12E-14
FEV1FVC	FADS2	cg11250194	rs2524292	G	T	-0.338	0.048	0.067	1.33E-12	-0.002	0.005	0.686	0.013	50.254	TRUE	2.53E-12
FEV1FVC	FADS2	cg11250194	rs2526678	A	G	-0.444	0.042	0.086	3.61E-26	-0.009	0.004	0.043	0.029	111.919	TRUE	8.59E-25
FEV1FVC	FADS2	cg11250194	rs387137	C	G	-0.140	0.024	0.400	6.37E-09	-0.002	0.003	0.322	0.009	33.701	TRUE	1.37E-08
FEV1FVC	FADS2	cg11250194	rs500850	C	G	0.323	0.039	0.091	6.28E-17	0.006	0.004	0.151	0.019	69.849	TRUE	3.51E-16
FEV1FVC	FADS2	cg11250194	rs509360	A	G	0.398	0.025	0.336	4.40E-57	0.005	0.003	0.065	0.064	253.399	TRUE	3.76E-54
FEV1FVC	FADS2	cg11250194	rs61896141	C	A	-0.990	0.026	0.175	<1E-200	-0.008	0.003	0.007	0.279	1430.085	TRUE	5.64E-273
FEV1FVC	FADS2	cg11250194	rs67140840	A	G	0.203	0.034	0.131	1.43E-09	0.007	0.004	0.059	0.010	36.602	TRUE	5.52E-09
FEV1FVC	FADS2	cg11250194	rs7102974	T	C	-0.909	0.086	0.016	2.68E-26	-0.011	0.009	0.241	0.030	112.507	TRUE	2.71E-25
FEV1FVC	FADS2	cg11250194	rs7928482	A	G	-0.614	0.092	0.014	2.65E-11	-0.002	0.009	0.852	0.012	44.394	TRUE	4.09E-11
FEV1FVC	FADS2	cg14911132	rs174455	G	A	-0.242	0.024	0.347	8.43E-24	-0.007	0.003	0.007	0.027	101.117	TRUE	2.82E-22
FEV1FVC	FADS2	cg14911132	rs198459	A	G	0.177	0.028	0.219	5.33E-10	0.002	0.003	0.417	0.010	38.533	TRUE	1.14E-09
FEV1FVC	FADS2	cg14911132	rs400075	T	C	-0.200	0.027	0.242	2.65E-13	-0.004	0.003	0.182	0.014	53.420	TRUE	1.00E-12
FEV1FVC	FADS2	cg14911132	rs509360	A	G	0.188	0.025	0.336	7.06E-14	0.005	0.003	0.065	0.015	56.020	TRUE	3.94E-13
FEV1FVC	FADS2	cg14911132	rs562172	T	C	0.250	0.039	0.091	9.42E-11	0.006	0.004	0.129	0.011	41.916	TRUE	3.22E-10
FEV1FVC	FADS2	cg14911132	rs61897793	A	G	-0.520	0.029	0.179	6.09E-72	-0.007	0.003	0.018	0.080	321.554	TRUE	1.25E-67
FEV1FVC	FADS2	cg16576620	rs968567	T	C	-0.201	0.029	0.176	7.18E-12	-0.008	0.003	0.010	0.013	46.951	TRUE	5.33E-11
FEV1FVC	FADS2	cg19610905	rs11230815	G	C	-0.368	0.038	0.105	2.17E-22	-0.005	0.004	0.201	0.025	94.692	TRUE	1.68E-21
FEV1FVC	FADS2	cg19610905	rs117110139	A	G	-0.675	0.084	0.035	1.08E-15	-0.008	0.006	0.207	0.017	64.245	TRUE	4.75E-15
FEV1FVC	FADS2	cg19610905	rs117983270	C	T	-0.637	0.063	0.034	2.29E-24	-0.006	0.006	0.351	0.027	103.701	TRUE	1.54E-23
FEV1FVC	FADS2	cg19610905	rs12799017	G	T	-0.180	0.025	0.329	4.23E-13	-0.004	0.003	0.077	0.014	52.505	TRUE	2.12E-12
FEV1FVC	FADS2	cg19610905	rs1692120	A	G	0.249	0.023	0.478	1.94E-26	0.003	0.002	0.215	0.030	113.149	TRUE	2.14E-25
FEV1FVC	FADS2	cg19610905	rs174452	A	G	0.253	0.040	0.090	3.91E-10	0.003	0.004	0.405	0.010	39.138	TRUE	8.56E-10
FEV1FVC	FADS2	cg19610905	rs174481	G	C	0.298	0.029	0.215	8.26E-25	0.003	0.003	0.289	0.028	105.718	TRUE	6.56E-24
FEV1FVC	FADS2	cg19610905	rs174528	C	T	-0.879	0.019	0.353	<1E-200	-0.008	0.003	0.002	0.357	2049.882	TRUE	<1E-200
FEV1FVC	FADS2	cg19610905	rs2727261	T	C	-0.335	0.039	0.106	1.81E-17	-0.002	0.004	0.589	0.019	72.308	TRUE	5.10E-17
FEV1FVC	FADS2	cg19610905	rs2736601	T	C	-0.325	0.048	0.067	1.07E-11	-0.002	0.005	0.733	0.012	46.172	TRUE	1.85E-11
FEV1FVC	FADS2	cg19610905	rs508768	G	A	0.288	0.039	0.089	7.56E-14	0.005	0.004	0.226	0.015	55.885	TRUE	2.77E-13
FEV1FVC	FADS2	cg19610905	rs695186	T	C	-0.325	0.027	0.250	7.92E-34	-0.003	0.003	0.213	0.038	146.903	TRUE	1.82E-32
FEV1FVC	FADS2	cg19610905	rs740006	C	T	0.325	0.041	0.090	2.17E-15	0.002	0.004	0.602	0.017	62.868	TRUE	5.27E-15
FEV1FVC	FADS2	cg19610905	rs75766519	C	T	-0.612	0.055	0.041	8.06E-29	0.001	0.006	0.820	0.032	124.020	TRUE	3.80E-28
FEV1FVC	FADS2	cg21709803	rs11230749	T	C	-0.225	0.041	0.195	3.80E-08	-0.002	0.003	0.481	0.008	30.232	TRUE	6.76E-08
FEV1FVC	FADS2	cg21709803	rs117702910	G	C	-0.306	0.055	0.041	3.42E-08	0.001	0.006	0.808	0.008	30.439	TRUE	4.77E-08
FEV1FVC	FADS2	cg21709803	rs17185413	C	T	-0.237	0.028	0.218	5.02E-17	-0.002	0.003	0.394	0.019	70.292	TRUE	1.78E-16
FEV1FVC	FADS2	cg21709803	rs174455	G	A	-0.384	0.024	0.347	9.82E-58	-0.007	0.003	0.007	0.065	256.387	TRUE	3.40E-54
FEV1FVC	FADS2	cg21709803	rs174472	G	A	-0.162	0.024	0.407	1.63E-11	0.003	0.002	0.248	0.012	45.350	TRUE	4.80E-11

FEV1FVC	FADS2	cg21709803	rs198459	A	G	0.234	0.029	0.219	2.44E-16	0.002	0.003	0.417	0.018	67.171	TRUE	8.05E-16
FEV1FVC	FADS2	cg21709803	rs198475	T	C	-0.319	0.027	0.245	1.27E-31	-0.004	0.003	0.151	0.036	136.824	TRUE	2.81E-30
FEV1FVC	FADS2	cg21709803	rs472031	A	G	0.299	0.039	0.089	8.19E-15	0.006	0.004	0.139	0.016	60.256	TRUE	3.92E-14
FEV1FVC	FADS2	cg21709803	rs509360	A	G	0.321	0.025	0.336	2.38E-37	0.005	0.003	0.065	0.042	163.015	TRUE	1.53E-35
FEV1FVC	FADS2	cg21709803	rs7102974	T	C	-0.750	0.086	0.016	2.60E-18	-0.011	0.009	0.241	0.020	76.128	TRUE	1.32E-17
FEV1FVC	FADS2	cg21709803	rs7928482	A	G	-0.591	0.092	0.014	1.41E-10	-0.002	0.009	0.852	0.011	41.130	TRUE	2.10E-10
FEV1FVC	FADS2	cg21709803	rs968567	T	C	-0.958	0.026	0.176	1.37E-291	-0.008	0.003	0.010	0.265	1331.105	TRUE	4.47E-256
FEV1FVC	FADS2	cg25324164	rs174455	G	A	-0.331	0.024	0.347	4.50E-43	-0.007	0.003	0.007	0.049	189.205	TRUE	1.78E-40
FEV1FVC	FADS2	cg25324164	rs1800008	T	C	-0.249	0.028	0.215	1.98E-18	-0.001	0.003	0.695	0.020	76.666	TRUE	5.22E-18
FEV1FVC	FADS2	cg25324164	rs2235093	A	G	0.181	0.024	0.492	1.60E-14	-0.003	0.002	0.264	0.016	58.938	TRUE	5.78E-14
FEV1FVC	FADS2	cg25324164	rs2521572	T	G	-0.332	0.056	0.046	3.74E-09	-0.005	0.006	0.404	0.009	34.733	TRUE	7.60E-09
FEV1FVC	FADS2	cg25324164	rs2736602	C	A	0.138	0.025	0.351	1.69E-08	0.005	0.003	0.039	0.009	31.807	TRUE	6.44E-08
FEV1FVC	FADS2	cg25324164	rs400075	T	C	-0.272	0.027	0.242	3.01E-23	-0.004	0.003	0.182	0.026	98.600	TRUE	2.65E-22
FEV1FVC	FADS2	cg25324164	rs500850	C	G	0.279	0.039	0.091	5.24E-13	0.006	0.004	0.151	0.014	52.084	TRUE	2.09E-12
FEV1FVC	FADS2	cg25324164	rs509360	A	G	0.260	0.025	0.336	5.05E-25	0.005	0.003	0.065	0.028	106.694	TRUE	8.41E-24
FEV1FVC	FADS2	cg25324164	rs7102974	T	C	-0.802	0.086	0.016	8.33E-21	-0.011	0.009	0.241	0.023	87.475	TRUE	5.19E-20
FEV1FVC	FADS2	cg25324164	rs72926147	A	G	-0.447	0.078	0.023	1.18E-08	-0.006	0.008	0.447	0.009	32.495	TRUE	2.24E-08
FEV1FVC	FADS2	cg25324164	rs7928482	A	G	-0.645	0.092	0.014	2.36E-12	-0.002	0.009	0.852	0.013	49.131	TRUE	3.83E-12
FEV1FVC	FADS2	cg25324164	rs968567	T	C	-0.970	0.026	0.176	9.68E-302	-0.008	0.003	0.010	0.275	1400.791	TRUE	3.94E-268
FEV1FVC	FAF1	cg07174182	rs11205809	G	A	-0.374	0.034	0.136	1.13E-28	0.002	0.003	0.638	0.032	123.354	TRUE	6.76E-28
FEV1FVC	FAF1	cg07174182	rs140892763	T	C	-0.920	0.126	0.014	3.21E-13	0.004	0.011	0.732	0.014	53.047	TRUE	6.07E-13
FEV1FVC	FAF1	cg07174182	rs2784156	C	T	-0.217	0.023	0.482	1.92E-20	0.013	0.002	1.28E-08	0.023	85.823	TRUE	5.12E-18
FEV1FVC	FAF1	cg07174182	rs72894174	C	T	-0.397	0.037	0.110	2.71E-27	-0.001	0.004	0.891	0.031	117.050	TRUE	1.03E-26
FEV1FVC	FAF1	cg07174182	rs72900938	C	T	-1.293	0.035	0.090	6.83E-291	0.009	0.004	0.025	0.264	1327.900	TRUE	5.41E-256
FEV1FVC	FAF1	cg12421536	rs147074973	C	T	-0.297	0.040	0.089	2.15E-13	0.008	0.004	0.047	0.014	53.833	TRUE	1.29E-12
FEV1FVC	FAIM2	cg04669574	rs118178167	A	G	-0.572	0.057	0.039	5.81E-24	-0.001	0.006	0.890	0.027	101.855	TRUE	1.75E-23
FEV1FVC	FAIM2	cg04669574	rs2603108	C	G	-0.474	0.076	0.024	4.04E-10	0.001	0.008	0.885	0.010	39.073	TRUE	5.76E-10
FEV1FVC	FAIM2	cg04669574	rs297916	G	A	-0.716	0.026	0.235	4.19E-169	0.004	0.003	0.159	0.172	767.893	TRUE	1.49E-155
FEV1FVC	FAIM2	cg04669574	rs376401	C	A	0.234	0.031	0.177	2.05E-14	0.005	0.003	0.079	0.016	58.456	TRUE	1.15E-13
FEV1FVC	FAIM2	cg04669574	rs584878	A	C	-0.423	0.046	0.142	2.25E-20	0.008	0.003	0.013	0.023	85.509	TRUE	4.19E-19
FEV1FVC	FAIM2	cg04669574	rs671589	A	G	0.234	0.034	0.317	5.97E-12	-0.001	0.003	0.641	0.013	47.315	TRUE	1.16E-11
FEV1FVC	FAIM2	cg04669574	rs7488783	T	C	-0.150	0.026	0.296	5.85E-09	-0.002	0.003	0.397	0.009	33.867	TRUE	1.18E-08
FEV1FVC	FAIM2	cg04669574	rs76717480	T	C	-0.672	0.097	0.024	5.52E-12	0.010	0.007	0.163	0.013	47.468	TRUE	1.97E-11
FEV1FVC	FAIM2	cg09049251	rs2655060	C	T	0.281	0.024	0.399	4.64E-32	0.006	0.002	0.010	0.036	138.821	TRUE	3.85E-30
FEV1FVC	FAIM2	cg18926212	rs118178167	A	G	-0.612	0.057	0.039	3.59E-27	-0.001	0.006	0.890	0.031	116.491	TRUE	1.35E-26
FEV1FVC	FAIM2	cg18926212	rs138860390	G	A	-0.341	0.057	0.045	2.94E-09	0.013	0.006	0.017	0.009	35.203	TRUE	1.45E-08
FEV1FVC	FAIM2	cg18926212	rs2603108	C	G	-0.477	0.076	0.024	3.58E-10	0.001	0.008	0.885	0.011	39.306	TRUE	5.12E-10
FEV1FVC	FAIM2	cg18926212	rs297918	C	A	-0.884	0.024	0.228	2.50E-300	0.004	0.003	0.124	0.270	1371.304	TRUE	1.78E-264
FEV1FVC	FAIM2	cg18926212	rs3741559	A	G	-0.182	0.030	0.174	1.65E-09	0.007	0.003	0.017	0.010	36.332	TRUE	8.36E-09
FEV1FVC	FAIM2	cg18926212	rs376401	C	A	0.260	0.031	0.177	1.84E-17	0.005	0.003	0.079	0.019	72.275	TRUE	1.37E-16
FEV1FVC	FAIM2	cg18926212	rs584878	A	C	-0.426	0.046	0.142	1.68E-20	0.008	0.003	0.013	0.023	86.093	TRUE	3.16E-19
FEV1FVC	FAIM2	cg18926212	rs61182516	T	A	-0.684	0.097	0.025	1.45E-12	0.010	0.007	0.154	0.013	50.088	TRUE	5.55E-12

FEV1FVC	FAIM2	cg18926212	rs61926122	C	T	-0.346	0.060	0.041	8.95E-09	0.014	0.005	0.008	0.009	33.040	TRUE	4.79E-08
FEV1FVC	FAIM2	cg18926212	rs671589	A	G	0.273	0.034	0.317	1.05E-15	-0.001	0.003	0.641	0.017	64.292	TRUE	2.55E-15
FEV1FVC	FAIM2	cg18926212	rs7952938	A	C	-0.146	0.027	0.258	4.40E-08	-0.002	0.003	0.583	0.008	29.947	TRUE	7.20E-08
FEV1FVC	FAIM2	cg19202886	rs643971	A	G	-0.162	0.023	0.474	1.96E-12	0.003	0.002	0.293	0.013	49.499	TRUE	5.69E-12
FEV1FVC	FAIM2	cg25936385	rs297918	C	A	-0.159	0.027	0.228	3.78E-09	0.004	0.003	0.124	0.009	34.714	TRUE	1.16E-08
FEV1FVC	FASTK	cg01139039	rs6464119	T	C	0.169	0.028	0.226	8.98E-10	-0.004	0.003	0.175	0.010	37.514	TRUE	2.57E-09
FEV1FVC	FASTK	cg03930004	rs9097	T	G	0.195	0.023	0.485	8.56E-17	0.010	0.002	4.65E-05	0.018	69.238	TRUE	3.68E-15
FEV1FVC	FASTK	cg10702041	rs2303942	A	G	0.225	0.023	0.495	3.16E-22	0.009	0.002	1.32E-04	0.025	93.949	TRUE	2.47E-20
FEV1FVC	FASTK	cg14323210	rs1835428	A	G	0.151	0.028	0.228	4.39E-08	-0.005	0.003	0.116	0.008	29.954	TRUE	1.21E-07
FEV1FVC	FASTK	cg18068487	rs9097	T	G	-0.150	0.023	0.485	1.78E-10	0.010	0.002	4.65E-05	0.011	40.672	TRUE	2.76E-09
FEV1FVC	FBXO31	cg06750038	rs11117269	C	T	-0.534	0.023	0.442	4.82E-117	-0.007	0.002	0.003	0.125	528.646	TRUE	4.14E-108
FEV1FVC	FBXO31	cg06750038	rs13334287	G	A	-0.342	0.036	0.116	1.68E-21	-0.002	0.004	0.507	0.024	90.641	TRUE	6.96E-21
FEV1FVC	FBXO31	cg06750038	rs1864144	G	C	-0.390	0.058	0.044	1.65E-11	-0.006	0.006	0.347	0.012	45.325	TRUE	4.17E-11
FEV1FVC	FBXO31	cg06750038	rs6540049	C	T	-0.296	0.025	0.309	1.38E-32	-0.001	0.003	0.856	0.037	141.227	TRUE	8.40E-32
FEV1FVC	FBXO31	cg06750038	rs71390888	G	C	-0.490	0.079	0.021	4.66E-10	-0.010	0.008	0.181	0.010	38.794	TRUE	1.36E-09
FEV1FVC	FBXO31	cg06750038	rs71390902	C	T	-0.299	0.044	0.067	9.75E-12	-0.003	0.005	0.524	0.012	46.354	TRUE	2.06E-11
FEV1FVC	FBXO31	cg06750038	rs74622263	G	A	0.276	0.049	0.056	1.92E-08	0.010	0.005	0.048	0.008	31.557	TRUE	6.91E-08
FEV1FVC	FBXO31	cg06750038	rs8044820	G	A	-0.473	0.053	0.050	2.47E-19	0.001	0.006	0.814	0.021	80.779	TRUE	6.09E-19
FEV1FVC	FBXO31	cg06750038	rs8053397	G	C	0.156	0.026	0.273	1.89E-09	0.008	0.003	0.004	0.010	36.062	TRUE	1.24E-08
FEV1FVC	FBXO31	cg06750038	rs825579	A	G	0.179	0.024	0.473	6.66E-14	0.003	0.002	0.256	0.015	56.135	TRUE	2.29E-13
FEV1FVC	FBXO31	cg06750038	rs873222	A	G	-0.299	0.040	0.090	9.20E-14	-0.002	0.004	0.719	0.015	55.501	TRUE	1.81E-13
FEV1FVC	FBXO31	cg06750038	rs9938266	C	T	-0.188	0.025	0.339	3.51E-14	-0.002	0.003	0.416	0.015	57.393	TRUE	9.76E-14
FEV1FVC	FBXO31	cg09880724	rs111469125	G	A	0.608	0.054	0.050	3.40E-29	-0.001	0.006	0.819	0.033	125.733	TRUE	1.65E-28
FEV1FVC	FBXO31	cg09880724	rs111931917	G	A	0.396	0.040	0.100	6.93E-23	-0.004	0.004	0.357	0.026	96.948	TRUE	4.11E-22
FEV1FVC	FBXO31	cg09880724	rs113137978	T	C	0.606	0.084	0.014	4.87E-13	-0.001	0.009	0.887	0.014	52.227	TRUE	7.93E-13
FEV1FVC	FBXO31	cg09880724	rs117825456	T	G	0.332	0.058	0.040	1.30E-08	-0.006	0.006	0.253	0.009	32.320	TRUE	3.01E-08
FEV1FVC	FBXO31	cg09880724	rs2334207	T	G	-0.163	0.023	0.481	2.46E-12	0.006	0.002	0.016	0.013	49.049	TRUE	1.77E-11
FEV1FVC	FBXO31	cg09880724	rs2573119	A	G	0.264	0.037	0.110	8.10E-13	0.000	0.004	0.938	0.014	51.230	TRUE	1.25E-12
FEV1FVC	FBXO31	cg09880724	rs4552033	A	G	0.245	0.032	0.155	1.61E-14	-0.003	0.003	0.401	0.016	58.923	TRUE	4.67E-14
FEV1FVC	FBXO31	cg09880724	rs6540049	C	T	-0.219	0.025	0.309	5.24E-19	-0.001	0.003	0.856	0.021	79.293	TRUE	1.22E-18
FEV1FVC	FBXO31	cg09880724	rs76928063	T	C	0.402	0.066	0.034	1.10E-09	0.004	0.006	0.535	0.010	37.122	TRUE	2.04E-09
FEV1FVC	FER	cg11403831	rs79409628	T	G	-0.363	0.043	0.079	5.51E-17	-0.014	0.004	7.81E-04	0.019	70.107	TRUE	1.38E-15
FEV1FVC	FER	cg16174681	rs6594336	T	C	-0.150	0.024	0.453	2.03E-10	0.003	0.002	0.208	0.011	40.416	TRUE	5.78E-10
FEV1FVC	FER	cg16174681	rs79409628	T	G	0.513	0.044	0.079	1.15E-31	-0.014	0.004	7.81E-04	0.036	137.023	TRUE	2.09E-29
FEV1FVC	FER	cg16286925	rs11950165	A	T	-0.178	0.027	0.251	7.21E-11	-0.004	0.003	0.189	0.011	42.438	TRUE	2.18E-10
FEV1FVC	FER	cg17317165	rs143093286	A	G	-0.242	0.027	0.228	1.41E-18	-0.003	0.003	0.306	0.020	77.344	TRUE	6.29E-18
FEV1FVC	FER	cg17317165	rs6869357	C	T	-0.142	0.024	0.394	5.06E-09	-0.003	0.002	0.219	0.009	34.146	TRUE	1.29E-08
FEV1FVC	FER	cg19526267	rs10063167	A	T	-0.137	0.024	0.373	1.28E-08	-0.003	0.003	0.193	0.009	32.339	TRUE	3.22E-08
FEV1FVC	FER	cg19526267	rs181331526	G	A	0.547	0.056	0.043	2.18E-22	-0.004	0.006	0.438	0.025	94.680	TRUE	1.07E-21
FEV1FVC	FER	cg19730600	rs10059972	A	G	0.402	0.073	0.031	3.72E-08	0.001	0.006	0.943	0.008	30.273	TRUE	4.73E-08
FEV1FVC	FER	cg19730600	rs115004203	A	G	0.440	0.068	0.030	1.27E-10	-0.011	0.007	0.122	0.011	41.332	TRUE	4.40E-10
FEV1FVC	FER	cg19730600	rs12152902	A	G	0.652	0.029	0.205	1.12E-115	0.007	0.003	0.017	0.124	522.366	TRUE	2.13E-107

FEV1FVC	FER	cg19730600	rs145640892	T	C	0.562	0.076	0.026	1.11E-13	0.012	0.008	0.155	0.015	55.135	TRUE	4.62E-13
FEV1FVC	FER	cg19730600	rs2940516	C	T	-0.151	0.024	0.363	2.93E-10	0.003	0.003	0.239	0.011	39.699	TRUE	7.81E-10
FEV1FVC	FER	cg19730600	rs35863505	T	G	0.261	0.027	0.252	1.17E-22	0.006	0.003	0.036	0.025	95.913	TRUE	1.95E-21
FEV1FVC	FER	cg19730600	rs6861439	A	G	0.136	0.023	0.424	7.09E-09	-0.001	0.002	0.750	0.009	33.493	TRUE	1.07E-08
FEV1FVC	FER	cg19730600	rs6885260	T	G	-0.172	0.030	0.178	1.55E-08	0.003	0.003	0.310	0.009	31.976	TRUE	3.37E-08
FEV1FVC	FER	cg19730600	rs75390688	A	C	0.350	0.055	0.052	1.66E-10	-0.006	0.005	0.268	0.011	40.808	TRUE	4.39E-10
FEV1FVC	FER	cg19730600	rs7711795	G	A	-0.199	0.026	0.295	1.86E-14	-0.008	0.003	0.004	0.016	58.643	TRUE	2.38E-13
FEV1FVC	FER	cg20423064	rs10074335	G	A	-0.240	0.044	0.078	3.54E-08	0.003	0.004	0.575	0.008	30.369	TRUE	5.86E-08
FEV1FVC	FER	cg20423064	rs12519202	T	C	-0.221	0.035	0.119	3.41E-10	-0.004	0.004	0.267	0.011	39.400	TRUE	8.77E-10
FEV1FVC	FER	cg20423064	rs2081126	C	T	-0.145	0.025	0.351	3.13E-09	-0.003	0.003	0.227	0.009	35.085	TRUE	7.87E-09
FEV1FVC	FER	cg20423064	rs75169262	A	G	-0.339	0.057	0.043	2.71E-09	0.003	0.006	0.659	0.009	35.365	TRUE	4.44E-09
FEV1FVC	FER	cg20423064	rs7734520	T	G	-0.727	0.051	0.050	5.83E-47	0.007	0.005	0.201	0.053	207.009	TRUE	6.01E-45
FEV1FVC	FEZ1	cg01460481	rs2321158	G	A	-0.167	0.023	0.472	8.75E-13	-0.005	0.002	0.030	0.014	51.079	TRUE	5.59E-12
FEV1FVC	FEZ1	cg01460481	rs2845849	T	C	-0.205	0.028	0.230	1.48E-13	0.005	0.003	0.058	0.015	54.564	TRUE	8.72E-13
FEV1FVC	FEZ1	cg01460481	rs3862619	T	G	0.253	0.024	0.404	6.24E-27	0.006	0.002	0.014	0.030	115.397	TRUE	2.55E-25
FEV1FVC	FEZ1	cg01460481	rs511246	T	C	0.643	0.107	0.014	1.82E-09	-0.008	0.010	0.440	0.010	36.138	TRUE	3.64E-09
FEV1FVC	FEZ1	cg01460481	rs546039	C	T	0.183	0.024	0.395	1.88E-14	-0.004	0.002	0.082	0.016	58.626	TRUE	1.09E-13
FEV1FVC	FEZ1	cg01460481	rs666160	G	A	0.838	0.035	0.118	1.02E-123	-0.003	0.004	0.428	0.131	559.312	TRUE	3.96E-116
FEV1FVC	FEZ1	cg01460481	rs77348105	C	T	0.754	0.072	0.029	8.91E-26	-0.014	0.008	0.076	0.029	110.128	TRUE	1.56E-24
FEV1FVC	FEZ1	cg05390307	rs11220103	T	C	-0.177	0.029	0.192	1.62E-09	0.008	0.003	0.012	0.010	36.369	TRUE	8.68E-09
FEV1FVC	FEZ1	cg06302541	rs551131	T	C	-0.238	0.043	0.084	3.38E-08	0.005	0.004	0.265	0.008	30.460	TRUE	7.41E-08
FEV1FVC	FEZ1	cg12906303	rs10893425	C	T	-0.158	0.023	0.495	1.07E-11	0.003	0.002	0.237	0.012	46.167	TRUE	3.20E-11
FEV1FVC	FEZ1	cg12906303	rs13424	C	A	0.144	0.024	0.326	3.69E-09	-0.011	0.003	2.29E-05	0.009	34.761	TRUE	4.95E-08
FEV1FVC	FEZ1	cg12906303	rs1522761	C	A	-0.155	0.023	0.466	1.69E-11	0.010	0.002	2.15E-05	0.012	45.274	TRUE	3.46E-10
FEV1FVC	FEZ1	cg12906303	rs1941367	T	C	0.203	0.024	0.355	1.52E-17	0.008	0.003	0.001	0.019	72.649	TRUE	3.90E-16
FEV1FVC	FEZ1	cg12906303	rs2321158	G	A	-0.207	0.023	0.472	6.89E-19	-0.005	0.002	0.030	0.021	78.752	TRUE	8.40E-18
FEV1FVC	FEZ1	cg12906303	rs2513090	A	G	0.808	0.035	0.124	3.71E-118	-0.004	0.004	0.345	0.126	533.761	TRUE	5.67E-111
FEV1FVC	FEZ1	cg12906303	rs511246	T	C	0.657	0.107	0.014	7.30E-10	-0.008	0.010	0.440	0.010	37.919	TRUE	1.49E-09
FEV1FVC	FEZ1	cg12906303	rs77348105	C	T	0.711	0.072	0.029	3.50E-23	-0.014	0.008	0.076	0.026	98.300	TRUE	4.71E-22
FEV1FVC	FEZ1	cg15184602	rs12421948	T	C	-0.201	0.034	0.139	3.79E-09	0.001	0.003	0.803	0.009	34.709	TRUE	5.48E-09
FEV1FVC	FEZ1	cg15184602	rs1284352	C	A	0.146	0.024	0.356	1.83E-09	0.010	0.003	1.13E-04	0.010	36.125	TRUE	2.13E-08
FEV1FVC	FEZ1	cg15184602	rs2849222	C	T	0.208	0.026	0.291	3.58E-16	0.004	0.003	0.165	0.018	66.416	TRUE	1.78E-15
FEV1FVC	FEZ1	cg18436735	rs2845849	T	C	-0.176	0.028	0.230	1.98E-10	0.005	0.003	0.058	0.011	40.464	TRUE	8.52E-10
FEV1FVC	FEZ1	cg18436735	rs3862619	T	G	0.178	0.024	0.404	4.42E-14	0.006	0.002	0.014	0.015	56.943	TRUE	4.11E-13
FEV1FVC	FEZ1	cg18436735	rs669052	C	A	0.636	0.036	0.121	1.28E-70	-0.003	0.004	0.401	0.079	315.492	TRUE	1.78E-67
FEV1FVC	FEZ1	cg18436735	rs77348105	C	T	0.575	0.072	0.029	1.38E-15	-0.014	0.008	0.076	0.017	63.768	TRUE	8.84E-15
FEV1FVC	FEZ1	cg19433435	rs2155388	A	G	0.166	0.026	0.284	1.40E-10	0.004	0.003	0.123	0.011	41.143	TRUE	4.76E-10
FEV1FVC	FEZ1	cg19792194	rs601034	C	T	-0.455	0.042	0.093	1.05E-27	0.004	0.004	0.339	0.031	118.935	TRUE	9.80E-27
FEV1FVC	FEZ1	cg23366166	rs7108311	A	G	-0.172	0.031	0.168	3.16E-08	0.010	0.003	0.002	0.008	30.592	TRUE	1.98E-07
FEV1FVC	FEZ2	cg01109574	rs13391939	A	G	0.171	0.025	0.423	3.24E-12	-0.008	0.002	0.002	0.013	48.512	TRUE	3.64E-11
FEV1FVC	FEZ2	cg01109574	rs13405239	G	T	-0.313	0.024	0.381	7.22E-39	-0.003	0.003	0.264	0.044	169.956	TRUE	2.39E-37
FEV1FVC	FEZ2	cg01109574	rs848505	C	T	-0.141	0.026	0.301	3.48E-08	-0.005	0.003	0.066	0.008	30.404	TRUE	1.13E-07

FEV1FVC	FEZ2	cg01109574	rs848621	A	G	0.217	0.026	0.318	2.09E-17	-0.015	0.003	4.43E-09	0.019	72.024	TRUE	3.73E-15
FEV1FVC	FEZ2	cg01206211	rs10192768	T	C	0.285	0.050	0.166	1.10E-08	-0.004	0.003	0.248	0.009	32.644	TRUE	2.58E-08
FEV1FVC	FEZ2	cg01206211	rs115696505	T	G	-0.397	0.066	0.031	1.45E-09	-0.018	0.007	0.013	0.010	36.578	TRUE	7.82E-09
FEV1FVC	FEZ2	cg01206211	rs2287104	T	C	-0.708	0.024	0.272	1.17E-191	-0.013	0.003	3.23E-06	0.191	871.580	TRUE	3.52E-171
FEV1FVC	FEZ2	cg01206211	rs2372707	T	C	-0.246	0.026	0.294	1.55E-21	-0.006	0.003	0.015	0.024	90.800	TRUE	3.26E-20
FEV1FVC	FEZ2	cg01206211	rs3770946	A	G	-0.174	0.025	0.335	3.02E-12	-0.019	0.003	2.98E-14	0.013	48.648	TRUE	5.53E-10
FEV1FVC	FEZ2	cg01206211	rs4670563	G	A	-0.223	0.024	0.350	9.10E-20	-0.012	0.003	3.45E-06	0.022	82.752	TRUE	9.79E-18
FEV1FVC	FEZ2	cg01206211	rs62136183	G	A	0.439	0.074	0.024	3.29E-09	-0.010	0.008	0.205	0.009	34.985	TRUE	8.57E-09
FEV1FVC	FEZ2	cg01206211	rs6733328	A	G	-0.156	0.026	0.313	2.03E-09	0.002	0.003	0.344	0.010	35.924	TRUE	4.43E-09
FEV1FVC	FEZ2	cg01206211	rs848548	A	C	0.211	0.026	0.283	3.98E-16	0.010	0.003	2.58E-04	0.018	66.209	TRUE	1.15E-14
FEV1FVC	FEZ2	cg01206211	rs848617	C	G	0.298	0.025	0.313	5.13E-33	0.015	0.003	8.97E-09	0.037	143.192	TRUE	1.66E-29
FEV1FVC	FEZ2	cg04352803	rs848610	T	A	-0.189	0.024	0.371	5.25E-15	-0.002	0.003	0.319	0.016	61.131	TRUE	1.74E-14
FEV1FVC	FEZ2	cg06634576	rs10192768	T	C	0.425	0.050	0.166	8.80E-18	-0.004	0.003	0.248	0.020	73.725	TRUE	4.21E-17
FEV1FVC	FEZ2	cg06634576	rs11124528	C	A	-0.187	0.024	0.411	1.31E-14	0.003	0.002	0.269	0.016	59.339	TRUE	4.74E-14
FEV1FVC	FEZ2	cg06634576	rs113399069	C	A	-0.875	0.149	0.016	4.08E-09	0.001	0.008	0.900	0.009	34.565	TRUE	5.54E-09
FEV1FVC	FEZ2	cg06634576	rs114378373	G	A	-0.647	0.056	0.048	2.96E-31	0.004	0.006	0.488	0.035	135.142	TRUE	2.81E-30
FEV1FVC	FEZ2	cg06634576	rs115696505	T	G	0.467	0.066	0.031	1.16E-12	-0.018	0.007	0.013	0.013	50.527	TRUE	9.02E-12
FEV1FVC	FEZ2	cg06634576	rs144029257	C	G	-0.764	0.075	0.024	1.83E-24	-0.002	0.007	0.802	0.027	104.140	TRUE	6.34E-24
FEV1FVC	FEZ2	cg06634576	rs145219350	G	A	-0.847	0.092	0.017	2.39E-20	0.027	0.010	0.006	0.023	85.392	TRUE	5.53E-19
FEV1FVC	FEZ2	cg06634576	rs1465335	A	G	-0.172	0.024	0.423	3.51E-13	0.016	0.002	1.12E-11	0.014	52.874	TRUE	4.90E-11
FEV1FVC	FEZ2	cg06634576	rs2888369	A	T	0.384	0.024	0.339	2.23E-55	-0.013	0.003	9.39E-08	0.062	245.589	TRUE	2.57E-50
FEV1FVC	FEZ2	cg06634576	rs3770900	G	T	-0.313	0.024	0.416	1.53E-39	0.010	0.002	2.91E-05	0.045	173.038	TRUE	2.29E-36
FEV1FVC	FEZ2	cg06634576	rs4670148	T	C	0.507	0.025	0.317	9.19E-93	-0.012	0.003	3.23E-06	0.101	417.129	TRUE	7.72E-85
FEV1FVC	FEZ2	cg06634576	rs4670560	T	C	-0.595	0.027	0.226	1.73E-104	0.015	0.003	2.22E-07	0.113	470.975	TRUE	6.93E-95
FEV1FVC	FEZ2	cg06634576	rs62136186	G	A	0.401	0.072	0.025	1.99E-08	-0.006	0.007	0.410	0.008	31.485	TRUE	3.85E-08
FEV1FVC	FEZ2	cg06634576	rs6544015	A	T	-0.527	0.027	0.240	2.77E-84	0.013	0.003	2.59E-06	0.093	378.198	TRUE	3.96E-77
FEV1FVC	FEZ2	cg06634576	rs6714112	A	C	-0.287	0.033	0.149	1.01E-18	0.015	0.003	1.31E-05	0.021	78.006	TRUE	7.58E-17
FEV1FVC	FEZ2	cg06634576	rs711245	A	G	-0.962	0.021	0.321	<1E-200	0.011	0.003	9.97E-06	0.367	2148.898	TRUE	<1E-200
FEV1FVC	FEZ2	cg06634576	rs711246	G	C	-0.853	0.156	0.010	4.92E-08	-0.022	0.015	0.137	0.008	29.731	TRUE	1.31E-07
FEV1FVC	FEZ2	cg06634576	rs72785167	T	C	-0.246	0.044	0.075	2.98E-08	0.001	0.004	0.757	0.008	30.703	TRUE	4.33E-08
FEV1FVC	FEZ2	cg06634576	rs72795287	T	C	-0.769	0.092	0.019	4.59E-17	0.014	0.009	0.125	0.019	70.467	TRUE	2.79E-16
FEV1FVC	FEZ2	cg06634576	rs76259623	C	T	0.384	0.041	0.080	8.11E-21	-0.004	0.005	0.325	0.023	87.528	TRUE	4.25E-20
FEV1FVC	FEZ2	cg06634576	rs848504	T	C	0.157	0.024	0.418	4.28E-11	-0.007	0.002	0.003	0.012	43.457	TRUE	3.72E-10
FEV1FVC	FEZ2	cg06634576	rs997602	G	A	-0.436	0.038	0.107	9.02E-30	0.016	0.004	1.42E-05	0.034	128.365	TRUE	3.48E-27
FEV1FVC	FEZ2	cg07673538	rs1544655	G	A	0.331	0.027	0.271	5.55E-35	-0.013	0.003	3.23E-06	0.040	152.182	TRUE	7.17E-32
FEV1FVC	FEZ2	cg07673538	rs4670153	C	G	-0.203	0.024	0.341	1.01E-16	-0.004	0.003	0.117	0.018	68.910	TRUE	6.10E-16
FEV1FVC	FEZ2	cg07673538	rs7602835	A	G	-0.147	0.024	0.409	9.61E-10	-0.003	0.002	0.242	0.010	37.382	TRUE	2.47E-09
FEV1FVC	FEZ2	cg07673538	rs76525014	A	G	0.391	0.071	0.028	3.84E-08	-0.021	0.008	0.012	0.008	30.211	TRUE	1.75E-07
FEV1FVC	FEZ2	cg09467607	rs1017153	G	T	0.291	0.027	0.230	2.67E-26	0.013	0.003	2.28E-06	0.030	112.513	TRUE	8.59E-24
FEV1FVC	FEZ2	cg09467607	rs10191126	G	A	0.144	0.025	0.323	8.52E-09	0.002	0.003	0.396	0.009	33.135	TRUE	1.70E-08
FEV1FVC	FEZ2	cg09467607	rs10490666	T	A	-0.147	0.026	0.306	2.17E-08	-0.003	0.003	0.225	0.008	31.317	TRUE	5.10E-08
FEV1FVC	FEZ2	cg09467607	rs111453351	A	T	-0.411	0.059	0.037	2.66E-12	-0.012	0.006	0.058	0.013	48.899	TRUE	1.36E-11

FEV1FVC	FEZ2	cg09467607	rs111600359	C	T	-0.607	0.025	0.296	2.86E-131	-0.010	0.003	2.89E-04	0.138	594.011	TRUE	4.09E-120
FEV1FVC	FEZ2	cg09467607	rs11886145	G	C	0.760	0.022	0.329	2.28E-260	0.014	0.003	7.56E-08	0.243	1187.524	TRUE	4.76E-227
FEV1FVC	FEZ2	cg09467607	rs144029257	C	G	0.437	0.075	0.024	6.13E-09	-0.002	0.007	0.802	0.009	33.775	TRUE	8.81E-09
FEV1FVC	FEZ2	cg09467607	rs145219350	G	A	0.538	0.092	0.017	4.96E-09	0.027	0.010	0.006	0.009	34.188	TRUE	2.86E-08
FEV1FVC	FEZ2	cg09467607	rs17480531	T	G	0.419	0.060	0.041	3.33E-12	0.015	0.006	0.009	0.013	48.460	TRUE	2.69E-11
FEV1FVC	FEZ2	cg09467607	rs1861392	G	A	0.287	0.033	0.149	2.00E-18	0.011	0.003	9.65E-04	0.020	76.646	TRUE	5.84E-17
FEV1FVC	FEZ2	cg09467607	rs2110881	C	T	-0.315	0.040	0.102	1.65E-15	-0.009	0.004	0.018	0.017	63.405	TRUE	1.66E-14
FEV1FVC	FEZ2	cg09467607	rs2372694	G	A	0.294	0.026	0.299	3.24E-30	0.008	0.003	0.002	0.034	130.398	TRUE	3.92E-28
FEV1FVC	FEZ2	cg09467607	rs3732075	A	G	0.202	0.027	0.250	5.83E-14	0.008	0.003	0.006	0.015	56.399	TRUE	6.49E-13
FEV1FVC	FEZ2	cg09467607	rs3770946	A	G	-0.283	0.025	0.335	3.82E-30	-0.019	0.003	2.98E-14	0.034	130.070	TRUE	4.47E-26
FEV1FVC	FEZ2	cg09467607	rs75597083	A	G	0.363	0.043	0.082	4.17E-17	0.002	0.004	0.592	0.019	70.657	TRUE	1.16E-16
FEV1FVC	FEZ2	cg09467607	rs79688789	C	G	0.821	0.095	0.015	4.93E-18	0.009	0.009	0.320	0.020	74.870	TRUE	2.11E-17
FEV1FVC	FEZ2	cg09467607	rs848548	A	C	0.343	0.026	0.283	1.09E-40	0.010	0.003	2.58E-04	0.046	178.290	TRUE	1.09E-37
FEV1FVC	FEZ2	cg09467607	rs882842	C	A	0.425	0.070	0.030	1.35E-09	-0.002	0.007	0.794	0.010	36.721	TRUE	2.02E-09
FEV1FVC	FEZ2	cg09467607	rs884216	T	A	-0.445	0.029	0.215	2.08E-54	-0.012	0.003	3.55E-05	0.061	241.135	TRUE	3.33E-50
FEV1FVC	FEZ2	cg09467607	rs997602	G	A	0.243	0.039	0.107	3.52E-10	0.016	0.004	1.42E-05	0.011	39.341	TRUE	5.94E-09
FEV1FVC	FEZ2	cg10546459	rs10084382	T	C	0.307	0.026	0.312	2.81E-33	0.000	0.003	0.889	0.038	144.387	TRUE	1.74E-32
FEV1FVC	FEZ2	cg10546459	rs10191126	G	A	0.284	0.025	0.323	3.05E-30	0.002	0.003	0.396	0.034	130.518	TRUE	3.10E-29
FEV1FVC	FEZ2	cg10546459	rs10490666	T	A	-0.376	0.026	0.306	7.23E-48	-0.003	0.003	0.225	0.054	211.163	TRUE	7.45E-46
FEV1FVC	FEZ2	cg10546459	rs11124524	G	C	-0.689	0.120	0.025	9.75E-09	-0.021	0.008	0.006	0.009	32.873	TRUE	5.47E-08
FEV1FVC	FEZ2	cg10546459	rs112164165	G	T	0.513	0.092	0.018	2.66E-08	-0.009	0.009	0.287	0.008	30.924	TRUE	5.77E-08
FEV1FVC	FEZ2	cg10546459	rs114882057	G	A	-0.488	0.079	0.022	7.42E-10	0.006	0.007	0.423	0.010	37.885	TRUE	1.55E-09
FEV1FVC	FEZ2	cg10546459	rs115545989	T	G	0.528	0.032	0.153	2.41E-59	0.018	0.003	1.04E-07	0.067	263.770	TRUE	5.48E-54
FEV1FVC	FEZ2	cg10546459	rs115696505	T	G	-0.656	0.065	0.031	9.73E-24	-0.018	0.007	0.013	0.027	100.833	TRUE	2.68E-22
FEV1FVC	FEZ2	cg10546459	rs11678226	C	T	-0.916	0.021	0.303	<1E-200	-0.012	0.003	1.19E-05	0.340	1905.014	TRUE	<1E-200
FEV1FVC	FEZ2	cg10546459	rs13417363	A	G	0.162	0.030	0.187	3.84E-08	-0.002	0.003	0.467	0.008	30.212	TRUE	6.93E-08
FEV1FVC	FEZ2	cg10546459	rs149357154	A	T	-0.674	0.060	0.039	3.55E-29	-0.001	0.007	0.835	0.033	125.648	TRUE	1.69E-28
FEV1FVC	FEZ2	cg10546459	rs17479952	A	G	0.438	0.078	0.022	1.95E-08	0.008	0.008	0.322	0.008	31.529	TRUE	4.11E-08
FEV1FVC	FEZ2	cg10546459	rs2372707	T	C	-0.344	0.026	0.294	8.39E-41	-0.006	0.003	0.015	0.046	178.812	TRUE	1.85E-38
FEV1FVC	FEZ2	cg10546459	rs3770929	A	G	0.328	0.024	0.409	1.17E-43	0.015	0.002	5.05E-10	0.049	191.894	TRUE	4.48E-39
FEV1FVC	FEZ2	cg10546459	rs4670563	G	A	-0.307	0.024	0.350	3.10E-36	-0.012	0.003	3.45E-06	0.041	157.910	TRUE	4.77E-33
FEV1FVC	FEZ2	cg10546459	rs62136186	G	A	0.462	0.071	0.025	1.01E-10	-0.006	0.007	0.410	0.011	41.787	TRUE	2.26E-10
FEV1FVC	FEZ2	cg10546459	rs6710384	C	A	0.317	0.034	0.136	1.22E-20	0.014	0.004	1.05E-04	0.023	86.715	TRUE	7.97E-19
FEV1FVC	FEZ2	cg10546459	rs68111809	C	T	-0.536	0.081	0.019	4.57E-11	0.013	0.008	0.117	0.012	43.329	TRUE	1.68E-10
FEV1FVC	FEZ2	cg10546459	rs711250	C	G	0.274	0.032	0.156	1.54E-17	0.005	0.003	0.164	0.019	72.619	TRUE	8.68E-17
FEV1FVC	FEZ2	cg10546459	rs72787263	A	C	-0.402	0.042	0.088	6.48E-22	0.001	0.004	0.803	0.024	92.527	TRUE	1.88E-21
FEV1FVC	FEZ2	cg10546459	rs76259623	C	T	-0.482	0.041	0.080	4.99E-32	-0.004	0.005	0.325	0.036	138.676	TRUE	6.98E-31
FEV1FVC	FEZ2	cg10546459	rs848505	C	T	0.303	0.026	0.301	1.67E-32	-0.005	0.003	0.066	0.037	140.846	TRUE	6.46E-31
FEV1FVC	FEZ2	cg10546459	rs848555	T	G	0.275	0.026	0.266	1.57E-25	0.009	0.003	0.001	0.029	109.002	TRUE	1.06E-23
FEV1FVC	FEZ2	cg10546459	rs882842	C	A	0.443	0.070	0.030	2.67E-10	-0.002	0.007	0.794	0.011	39.880	TRUE	4.13E-10
FEV1FVC	FEZ2	cg11324054	rs13013664	A	C	0.218	0.025	0.323	1.70E-18	0.013	0.003	2.10E-07	0.020	76.968	TRUE	2.32E-16
FEV1FVC	FEZ2	cg11324054	rs2270333	C	G	-0.162	0.025	0.349	5.04E-11	-0.012	0.003	7.71E-07	0.012	43.138	TRUE	1.42E-09

FEV1FVC	FEZ2	cg15105969	rs10191126	G	A	0.271	0.025	0.323	1.16E-27	0.002	0.003	0.396	0.031	118.733	TRUE	9.40E-27
FEV1FVC	FEZ2	cg15105969	rs10192768	T	C	0.334	0.050	0.166	2.04E-11	-0.004	0.003	0.248	0.012	44.908	TRUE	5.93E-11
FEV1FVC	FEZ2	cg15105969	rs10490666	T	A	-0.327	0.026	0.306	2.40E-36	-0.003	0.003	0.225	0.041	158.420	TRUE	6.63E-35
FEV1FVC	FEZ2	cg15105969	rs11124524	G	C	-0.777	0.120	0.025	9.61E-11	-0.021	0.008	0.006	0.011	41.877	TRUE	7.00E-10
FEV1FVC	FEZ2	cg15105969	rs115696505	T	G	-0.636	0.065	0.031	2.23E-22	-0.018	0.007	0.013	0.025	94.638	TRUE	5.25E-21
FEV1FVC	FEZ2	cg15105969	rs11678226	C	T	-0.864	0.023	0.303	<1E-200	-0.012	0.003	1.19E-05	0.283	1462.909	TRUE	5.23E-276
FEV1FVC	FEZ2	cg15105969	rs13417363	A	G	0.178	0.030	0.187	1.51E-09	-0.002	0.003	0.467	0.010	36.505	TRUE	2.97E-09
FEV1FVC	FEZ2	cg15105969	rs144029257	C	G	0.560	0.075	0.024	9.20E-14	-0.002	0.007	0.802	0.015	55.501	TRUE	1.67E-13
FEV1FVC	FEZ2	cg15105969	rs17479952	A	G	0.452	0.078	0.022	6.47E-09	0.008	0.008	0.322	0.009	33.669	TRUE	1.41E-08
FEV1FVC	FEZ2	cg15105969	rs2372707	T	C	-0.345	0.026	0.294	5.46E-41	-0.006	0.003	0.015	0.046	179.665	TRUE	1.23E-38
FEV1FVC	FEZ2	cg15105969	rs3770929	A	G	0.309	0.024	0.409	4.47E-39	0.015	0.002	5.05E-10	0.044	170.912	TRUE	7.13E-35
FEV1FVC	FEZ2	cg15105969	rs4553805	G	C	-0.649	0.061	0.038	1.87E-26	-0.003	0.007	0.670	0.030	113.223	TRUE	9.03E-26
FEV1FVC	FEZ2	cg15105969	rs4670563	G	A	-0.335	0.024	0.350	7.02E-43	-0.012	0.003	3.45E-06	0.048	188.322	TRUE	3.26E-39
FEV1FVC	FEZ2	cg15105969	rs60512518	G	A	0.142	0.026	0.306	3.34E-08	0.009	0.003	5.78E-04	0.008	30.480	TRUE	2.52E-07
FEV1FVC	FEZ2	cg15105969	rs62134623	G	A	-0.316	0.045	0.072	2.50E-12	0.002	0.005	0.618	0.013	49.023	TRUE	5.04E-12
FEV1FVC	FEZ2	cg15105969	rs62136179	G	A	-0.622	0.105	0.010	3.52E-09	-0.013	0.011	0.239	0.009	34.856	TRUE	8.73E-09
FEV1FVC	FEZ2	cg15105969	rs62136186	G	A	0.397	0.072	0.025	2.81E-08	-0.006	0.007	0.410	0.008	30.819	TRUE	5.38E-08
FEV1FVC	FEZ2	cg15105969	rs6716934	T	A	0.361	0.032	0.150	5.57E-29	0.015	0.003	8.96E-06	0.033	124.754	TRUE	2.23E-26
FEV1FVC	FEZ2	cg15105969	rs711245	A	G	0.441	0.025	0.321	7.81E-69	0.011	0.003	9.97E-06	0.077	307.294	TRUE	2.93E-63
FEV1FVC	FEZ2	cg15105969	rs711250	C	G	0.264	0.032	0.156	2.04E-16	0.005	0.003	0.164	0.018	67.523	TRUE	1.05E-15
FEV1FVC	FEZ2	cg15105969	rs72787263	A	C	-0.322	0.042	0.088	1.65E-14	0.001	0.004	0.803	0.016	58.882	TRUE	3.09E-14
FEV1FVC	FEZ2	cg15105969	rs72789216	T	A	-0.499	0.082	0.019	9.41E-10	0.013	0.008	0.112	0.010	37.423	TRUE	3.11E-09
FEV1FVC	FEZ2	cg15105969	rs76259623	C	T	-0.482	0.041	0.080	5.36E-32	-0.004	0.005	0.325	0.036	138.534	TRUE	7.47E-31
FEV1FVC	FEZ2	cg15105969	rs848505	C	T	0.260	0.026	0.301	3.13E-24	-0.005	0.003	0.066	0.027	103.081	TRUE	4.99E-23
FEV1FVC	FEZ2	cg15105969	rs848555	T	G	0.304	0.026	0.266	6.97E-31	0.009	0.003	0.001	0.035	133.445	TRUE	9.54E-29
FEV1FVC	FEZ2	cg15105969	rs997602	G	A	0.269	0.039	0.107	3.46E-12	0.016	0.004	1.42E-05	0.013	48.381	TRUE	8.31E-11
FEV1FVC	FEZ2	cg24860371	rs11693359	T	C	-0.191	0.025	0.359	7.69E-15	-0.002	0.003	0.440	0.016	60.380	TRUE	2.17E-14
FEV1FVC	FGA	cg03918433	rs2070009	C	A	0.211	0.024	0.384	3.04E-18	-0.005	0.003	0.029	0.020	75.822	TRUE	3.45E-17
FEV1FVC	FGA	cg03918433	rs4220	A	G	-0.262	0.031	0.172	4.53E-17	0.000	0.003	0.899	0.019	70.493	TRUE	8.94E-17
FEV1FVC	FGFR1	cg02043791	rs12544187	A	C	-0.350	0.025	0.413	5.41E-43	0.011	0.002	3.13E-06	0.049	188.838	TRUE	2.65E-39
FEV1FVC	FGFR1	cg02043791	rs138012741	G	A	-1.575	0.079	0.026	3.18E-89	0.007	0.007	0.316	0.098	400.880	TRUE	1.38E-84
FEV1FVC	FGFR1	cg02043791	rs17182134	A	C	0.747	0.045	0.079	2.84E-61	0.003	0.004	0.573	0.069	272.614	TRUE	6.63E-59
FEV1FVC	FGFR1	cg02043791	rs2445027	G	T	-0.221	0.037	0.137	1.91E-09	0.002	0.004	0.641	0.010	36.047	TRUE	3.18E-09
FEV1FVC	FGFR1	cg02043791	rs34503346	T	C	-0.250	0.029	0.256	2.32E-18	0.004	0.003	0.194	0.020	76.353	TRUE	1.30E-17
FEV1FVC	FGFR1	cg08722122	rs117880184	T	C	-0.983	0.093	0.036	2.82E-26	0.007	0.007	0.275	0.029	112.411	TRUE	2.61E-25
FEV1FVC	FGFR1	cg08722122	rs3758102	T	C	-0.283	0.028	0.271	9.38E-24	-0.004	0.003	0.203	0.027	100.906	TRUE	8.46E-23
FEV1FVC	FGFR1	cg08722122	rs6474458	A	G	-0.139	0.025	0.447	4.14E-08	0.001	0.002	0.641	0.008	30.067	TRUE	6.44E-08
FEV1FVC	FGFR1	cg08722122	rs6990295	T	C	-0.294	0.037	0.132	4.40E-15	-0.008	0.004	0.027	0.016	61.477	TRUE	3.68E-14
FEV1FVC	FGFR1	cg08722122	rs74584846	A	G	0.245	0.044	0.092	2.39E-08	0.005	0.004	0.253	0.008	31.130	TRUE	5.45E-08
FEV1FVC	FGFR1	cg08722122	rs75923541	A	G	0.456	0.041	0.107	1.12E-28	-0.008	0.004	0.033	0.032	123.368	TRUE	3.85E-27
FEV1FVC	FGFR1	cg11547613	rs12114449	G	A	-0.247	0.044	0.087	2.73E-08	0.000	0.004	0.964	0.008	30.873	TRUE	3.43E-08
FEV1FVC	FGFR1	cg12614213	rs4739558	A	G	-0.159	0.026	0.401	9.45E-10	0.010	0.002	1.64E-05	0.010	37.414	TRUE	1.49E-08

FEV1FVC	FGFR1	cg14733725	rs17182134	A	C	-0.399	0.046	0.079	3.58E-18	0.003	0.004	0.573	0.020	75.502	TRUE	1.08E-17
FEV1FVC	FGFR1	cg15321288	rs17175631	A	G	-0.226	0.041	0.108	4.41E-08	-0.008	0.004	0.036	0.008	29.946	TRUE	1.63E-07
FEV1FVC	FGFR1	cg15321288	rs17182051	T	C	-0.666	0.099	0.032	1.44E-11	0.007	0.007	0.307	0.012	45.590	TRUE	3.86E-11
FEV1FVC	FGFR1	cg15321288	rs17435276	C	A	-0.211	0.028	0.286	2.63E-14	-0.001	0.003	0.717	0.015	57.964	TRUE	5.44E-14
FEV1FVC	FGFR1	cg15321288	rs2461335	T	C	0.215	0.039	0.122	4.39E-08	0.001	0.004	0.740	0.008	29.951	TRUE	6.41E-08
FEV1FVC	FGFR1	cg15321288	rs6474491	C	T	0.172	0.029	0.244	3.20E-09	0.002	0.003	0.415	0.009	35.037	TRUE	6.50E-09
FEV1FVC	FGFR1	cg15321288	rs881300	C	A	-0.331	0.037	0.132	6.41E-19	-0.008	0.004	0.023	0.021	78.896	TRUE	8.46E-18
FEV1FVC	FGFR1	cg15321288	rs930828	C	T	0.524	0.025	0.410	9.45E-98	0.011	0.002	3.13E-06	0.106	440.034	TRUE	2.57E-89
FEV1FVC	FGFR1	cg16625770	rs11784905	A	T	-0.268	0.032	0.198	1.69E-17	-0.008	0.003	0.007	0.019	72.434	TRUE	2.59E-16
FEV1FVC	FGFR1	cg16625770	rs118173885	C	T	-0.665	0.121	0.021	3.47E-08	-0.003	0.010	0.775	0.008	30.407	TRUE	4.93E-08
FEV1FVC	FGFR1	cg16625770	rs12114449	G	A	-0.462	0.044	0.087	1.10E-25	0.000	0.004	0.964	0.029	109.714	TRUE	3.41E-25
FEV1FVC	FGFR1	cg16625770	rs17182002	A	C	0.468	0.025	0.399	1.20E-76	0.012	0.002	1.13E-06	0.085	343.147	TRUE	4.47E-70
FEV1FVC	FGFR1	cg16625770	rs17435276	C	A	-0.312	0.028	0.286	9.08E-30	-0.001	0.003	0.717	0.034	128.351	TRUE	5.43E-29
FEV1FVC	FGFR1	cg16625770	rs28761213	T	A	-0.182	0.029	0.238	5.37E-10	-0.003	0.003	0.249	0.010	38.518	TRUE	1.39E-09
FEV1FVC	FGFR1	cg16625770	rs328291	A	G	0.179	0.031	0.206	1.24E-08	0.003	0.003	0.272	0.009	32.409	TRUE	2.82E-08
FEV1FVC	FGFR1	cg20148210	rs17182051	T	C	-0.661	0.099	0.032	2.09E-11	0.007	0.007	0.307	0.012	44.857	TRUE	5.55E-11
FEV1FVC	FGFR1	cg24828864	rs138012741	G	A	0.456	0.081	0.026	1.86E-08	0.007	0.007	0.316	0.008	31.621	TRUE	3.95E-08
FEV1FVC	FGFR1	cg24828864	rs17175624	T	G	0.203	0.026	0.399	4.11E-15	0.012	0.002	1.39E-06	0.016	61.611	TRUE	2.33E-13
FEV1FVC	FGFR1	cg27653103	rs12114449	G	A	-0.346	0.044	0.087	5.35E-15	0.000	0.004	0.964	0.016	61.095	TRUE	8.93E-15
FEV1FVC	FGFR3	cg00077738	rs114803756	C	G	-0.772	0.070	0.030	2.62E-28	0.003	0.007	0.694	0.032	121.686	TRUE	1.41E-27
FEV1FVC	FGFR3	cg00077738	rs115117761	G	C	-0.445	0.046	0.071	4.05E-22	-0.009	0.005	0.044	0.025	93.458	TRUE	6.11E-21
FEV1FVC	FGFR3	cg00077738	rs115353075	T	C	-0.723	0.125	0.015	6.43E-09	-0.008	0.010	0.433	0.009	33.680	TRUE	1.25E-08
FEV1FVC	FGFR3	cg00077738	rs1894425	G	A	-0.296	0.027	0.229	1.68E-27	-0.005	0.003	0.059	0.031	117.996	TRUE	3.96E-26
FEV1FVC	FGFR3	cg00077738	rs28681468	T	C	-1.046	0.064	0.033	1.77E-59	-0.014	0.007	0.036	0.067	264.381	TRUE	3.38E-56
FEV1FVC	FGFR3	cg00077738	rs4315860	T	G	0.138	0.023	0.476	3.33E-09	-0.001	0.002	0.676	0.009	34.964	TRUE	5.35E-09
FEV1FVC	FGFR3	cg00077738	rs75608146	T	C	-0.664	0.099	0.013	2.07E-11	-0.001	0.009	0.896	0.012	44.877	TRUE	3.11E-11
FEV1FVC	FGFR3	cg00077738	rs77914314	T	C	-0.465	0.049	0.146	3.10E-21	-0.001	0.004	0.732	0.024	89.430	TRUE	9.48E-21
FEV1FVC	FGFR3	cg03874978	rs68036491	C	G	-0.183	0.031	0.163	2.83E-09	0.002	0.003	0.492	0.009	35.279	TRUE	5.33E-09
FEV1FVC	FGFR3	cg07360076	rs58012990	A	G	-0.269	0.029	0.194	3.36E-20	0.001	0.003	0.692	0.022	84.722	TRUE	1.01E-19
FEV1FVC	FGFR3	cg24979233	rs3135865	T	C	-0.814	0.136	0.017	2.36E-09	0.040	0.009	9.97E-06	0.010	35.630	TRUE	3.58E-08
FEV1FVC	FHIT	cg01556706	rs73092688	C	T	0.281	0.038	0.113	1.56E-13	-0.004	0.004	0.310	0.015	54.463	TRUE	4.78E-13
FEV1FVC	FHIT	cg03060986	rs12498046	G	T	-0.177	0.024	0.458	4.76E-14	0.002	0.002	0.529	0.015	56.795	TRUE	1.16E-13
FEV1FVC	FHIT	cg03319184	rs6808129	G	C	0.306	0.026	0.264	3.86E-32	0.003	0.003	0.283	0.036	139.185	TRUE	6.08E-31
FEV1FVC	FHIT	cg05645292	rs1683354	G	A	0.282	0.030	0.207	6.67E-21	0.001	0.003	0.775	0.023	87.915	TRUE	1.90E-20
FEV1FVC	FHIT	cg05645292	rs56102180	T	C	0.983	0.083	0.021	1.38E-32	0.001	0.008	0.896	0.037	141.231	TRUE	7.77E-32
FEV1FVC	FHIT	cg05645292	rs6803290	T	C	-0.136	0.024	0.434	1.07E-08	-0.003	0.002	0.193	0.009	32.701	TRUE	2.77E-08
FEV1FVC	FHIT	cg05645292	rs812965	T	C	0.196	0.030	0.195	3.37E-11	-0.001	0.003	0.668	0.012	43.923	TRUE	6.08E-11
FEV1FVC	FHIT	cg08195983	rs143323240	T	C	0.497	0.058	0.041	7.27E-18	0.004	0.006	0.534	0.020	74.101	TRUE	2.25E-17
FEV1FVC	FHIT	cg08195983	rs9843007	T	A	0.157	0.024	0.360	7.95E-11	0.003	0.003	0.279	0.011	42.247	TRUE	2.11E-10
FEV1FVC	FHIT	cg08223225	rs111725731	C	G	0.395	0.039	0.098	1.74E-24	0.002	0.004	0.535	0.027	104.245	TRUE	8.66E-24
FEV1FVC	FHIT	cg08223225	rs11920478	G	C	0.189	0.031	0.191	7.01E-10	-0.001	0.003	0.878	0.010	37.997	TRUE	1.00E-09
FEV1FVC	FHIT	cg08223225	rs13066622	C	T	-0.272	0.028	0.227	3.33E-22	0.000	0.003	0.889	0.025	93.842	TRUE	9.03E-22

FEV1FVC	FHIT	cg14147855	rs6446175	T	C	-0.343	0.028	0.219	2.72E-34	0.003	0.003	0.343	0.039	149.027	TRUE	4.66E-33
FEV1FVC	FHIT	cg14147855	rs9879276	A	G	-0.353	0.025	0.312	7.78E-45	0.001	0.003	0.690	0.051	197.275	TRUE	2.01E-43
FEV1FVC	FHIT	cg16140565	rs115318229	T	C	0.468	0.080	0.020	4.55E-09	0.002	0.008	0.786	0.009	34.355	TRUE	6.69E-09
FEV1FVC	FHIT	cg16140565	rs115524555	C	T	-0.505	0.024	0.364	4.81E-100	-0.004	0.003	0.166	0.109	450.566	TRUE	3.72E-94
FEV1FVC	FHIT	cg16140565	rs13099360	G	A	0.561	0.059	0.048	1.46E-21	-0.009	0.007	0.167	0.024	90.917	TRUE	1.17E-20
FEV1FVC	FHIT	cg16140565	rs151743	T	C	-0.197	0.033	0.430	1.44E-09	0.001	0.003	0.662	0.010	36.596	TRUE	2.37E-09
FEV1FVC	FHIT	cg16140565	rs17063095	C	A	0.645	0.038	0.111	8.47E-66	0.000	0.004	0.965	0.073	293.369	TRUE	1.62E-63
FEV1FVC	FHIT	cg16140565	rs242201	G	A	-0.381	0.040	0.090	3.12E-21	0.002	0.004	0.718	0.024	89.417	TRUE	9.72E-21
FEV1FVC	FHIT	cg16140565	rs242213	C	G	0.463	0.040	0.091	3.63E-31	-0.004	0.004	0.383	0.035	134.740	TRUE	4.09E-30
FEV1FVC	FHIT	cg16140565	rs242219	T	C	-0.349	0.034	0.481	1.74E-24	-0.005	0.003	0.063	0.027	104.243	TRUE	2.78E-23
FEV1FVC	FHIT	cg16140565	rs2736824	T	C	0.431	0.074	0.060	5.79E-09	-0.005	0.005	0.287	0.009	33.886	TRUE	1.33E-08
FEV1FVC	FHIT	cg16140565	rs409484	G	A	1.029	0.022	0.498	<1E-200	0.000	0.003	0.947	0.362	2099.301	TRUE	<1E-200
FEV1FVC	FHIT	cg16140565	rs423336	T	G	0.590	0.039	0.099	2.69E-52	-0.002	0.004	0.621	0.059	231.458	TRUE	1.77E-50
FEV1FVC	FHIT	cg16140565	rs6795869	G	A	0.508	0.046	0.067	2.59E-28	0.004	0.005	0.472	0.032	121.704	TRUE	1.98E-27
FEV1FVC	FHIT	cg16140565	rs77800664	C	T	0.532	0.084	0.037	2.34E-10	0.001	0.007	0.910	0.011	40.139	TRUE	3.31E-10
FEV1FVC	FHIT	cg16140565	rs965033	C	T	0.176	0.032	0.379	3.98E-08	-0.004	0.003	0.143	0.008	30.144	TRUE	1.04E-07
FEV1FVC	FHIT	cg16140565	rs9849856	G	A	0.158	0.024	0.494	3.16E-11	0.002	0.002	0.491	0.012	44.049	TRUE	6.81E-11
FEV1FVC	FHIT	cg16806041	rs1038516	G	A	0.200	0.031	0.172	6.81E-11	0.004	0.003	0.201	0.011	42.550	TRUE	2.07E-10
FEV1FVC	FHIT	cg16806041	rs78179214	G	A	0.693	0.088	0.017	3.46E-15	0.000	0.009	0.970	0.016	61.953	TRUE	5.76E-15
FEV1FVC	FHIT	cg17087356	rs481165	G	C	0.594	0.035	0.130	1.05E-64	-0.004	0.004	0.290	0.072	288.348	TRUE	8.60E-62
FEV1FVC	FHIT	cg17087356	rs6801469	T	G	0.162	0.028	0.241	4.75E-09	0.001	0.003	0.801	0.009	34.270	TRUE	6.89E-09
FEV1FVC	FHIT	cg17573813	rs11712250	G	A	0.342	0.047	0.143	2.57E-13	0.006	0.004	0.131	0.014	53.480	TRUE	1.12E-12
FEV1FVC	FHIT	cg17573813	rs199743650	T	C	0.403	0.033	0.146	6.59E-35	0.002	0.003	0.532	0.039	151.839	TRUE	7.91E-34
FEV1FVC	FHIT	cg17573813	rs59166923	T	C	-0.338	0.034	0.140	1.13E-23	-0.002	0.003	0.527	0.026	100.530	TRUE	5.32E-23
FEV1FVC	FHIT	cg17573813	rs60695685	C	T	1.094	0.072	0.024	1.23E-52	0.004	0.008	0.575	0.059	233.018	TRUE	9.31E-51
FEV1FVC	FHIT	cg17573813	rs6445195	G	A	0.215	0.028	0.221	1.85E-14	-0.003	0.003	0.303	0.016	58.651	TRUE	6.23E-14
FEV1FVC	FHIT	cg17573813	rs7374200	G	C	0.490	0.059	0.045	1.33E-16	0.009	0.007	0.165	0.018	68.372	TRUE	7.00E-16
FEV1FVC	FHIT	cg17573813	rs7609667	T	G	0.184	0.026	0.303	1.84E-12	0.002	0.003	0.369	0.013	49.622	TRUE	4.95E-12
FEV1FVC	FHIT	cg17573813	rs9839707	T	C	1.764	0.049	0.048	1.92E-282	0.008	0.005	0.120	0.258	1289.038	TRUE	3.88E-250
FEV1FVC	FHIT	cg20366397	rs13093788	C	G	-0.159	0.023	0.416	1.17E-11	0.001	0.002	0.600	0.012	45.997	TRUE	2.32E-11
FEV1FVC	FHIT	cg21541638	rs13099397	C	A	-0.142	0.024	0.496	2.43E-09	-0.004	0.002	0.135	0.010	35.572	TRUE	7.34E-09
FEV1FVC	FHIT	cg21541638	rs17064628	A	T	0.470	0.059	0.039	1.23E-15	0.004	0.006	0.534	0.017	63.990	TRUE	3.28E-15
FEV1FVC	FHIT	cg23222057	rs1905864	G	A	-0.149	0.025	0.330	4.17E-09	0.000	0.003	0.970	0.009	34.522	TRUE	5.38E-09
FEV1FVC	FHIT	cg24504954	rs1851784	C	T	-0.323	0.053	0.047	1.38E-09	0.008	0.006	0.167	0.010	36.674	TRUE	3.98E-09
FEV1FVC	FHIT	cg25736251	rs1125285	A	G	0.225	0.031	0.167	1.55E-13	0.004	0.003	0.159	0.015	54.479	TRUE	6.17E-13
FEV1FVC	FHIT	cg25921543	rs212032	A	G	0.176	0.024	0.442	1.21E-13	0.006	0.002	0.012	0.015	54.967	TRUE	1.10E-12
FEV1FVC	FHIT	cg27254860	rs17254574	A	G	-0.250	0.036	0.120	3.89E-12	0.006	0.004	0.075	0.013	48.156	TRUE	1.80E-11
FEV1FVC	FLCN	cg04863514	rs41337846	C	T	0.307	0.029	0.191	7.78E-26	-0.012	0.003	1.17E-04	0.029	110.399	TRUE	1.09E-23
FEV1FVC	FLCN	cg09134682	rs8066090	A	G	-0.187	0.027	0.238	3.31E-12	0.005	0.003	0.059	0.013	48.469	TRUE	1.70E-11
FEV1FVC	FLCN	cg19830245	rs9890243	A	G	0.162	0.029	0.193	2.69E-08	-0.012	0.003	8.08E-05	0.008	30.904	TRUE	2.67E-07
FEV1FVC	FLCN	cg20098446	rs10459910	C	T	-0.456	0.023	0.413	2.28E-87	-0.003	0.002	0.168	0.096	392.360	TRUE	1.41E-82
FEV1FVC	FLCN	cg20098446	rs12603230	T	C	-0.198	0.027	0.238	2.60E-13	-0.012	0.003	1.52E-05	0.014	53.461	TRUE	7.23E-12

FEV1FVC	FLCN	cg20098446	rs14003	C	T	-0.224	0.024	0.338	4.18E-20	0.000	0.003	0.972	0.022	84.287	TRUE	9.09E-20
FEV1FVC	FLCN	cg20098446	rs150772017	A	T	-0.375	0.053	0.048	1.48E-12	-0.006	0.006	0.257	0.013	50.052	TRUE	4.58E-12
FEV1FVC	FLCN	cg20098446	rs3744127	T	C	-0.295	0.045	0.070	4.25E-11	0.001	0.005	0.783	0.012	43.471	TRUE	6.90E-11
FEV1FVC	FLCN	cg20098446	rs7223686	G	A	-0.255	0.031	0.176	1.38E-16	-0.003	0.003	0.347	0.018	68.294	TRUE	5.06E-16
FEV1FVC	FLCN	cg21735093	rs1736211	A	G	-0.255	0.028	0.212	4.10E-20	0.006	0.003	0.024	0.022	84.326	TRUE	6.12E-19
FEV1FVC	FLCN	cg22257099	rs1708617	A	G	0.311	0.027	0.238	1.63E-30	0.005	0.003	0.058	0.034	131.763	TRUE	5.50E-29
FEV1FVC	FLCN	cg22257099	rs71371202	C	T	-0.224	0.029	0.190	9.40E-15	0.003	0.003	0.271	0.016	59.985	TRUE	3.39E-14
FEV1FVC	FNIP2	cg00245454	rs17285611	T	C	0.428	0.059	0.070	6.51E-13	-0.004	0.005	0.438	0.014	51.658	TRUE	1.62E-12
FEV1FVC	FNIP2	cg05539369	rs13123982	A	G	0.133	0.024	0.382	2.83E-08	-0.006	0.003	0.026	0.008	30.806	TRUE	1.12E-07
FEV1FVC	FNIP2	cg05615763	rs34033556	C	G	0.293	0.024	0.370	6.63E-34	-0.005	0.003	0.041	0.038	147.254	TRUE	3.58E-32
FEV1FVC	FNIP2	cg13702235	rs2347518	A	G	0.251	0.024	0.429	1.45E-26	-0.003	0.002	0.183	0.030	113.726	TRUE	1.76E-25
FEV1FVC	FNIP2	cg18095824	rs74931360	T	C	-0.713	0.053	0.081	9.81E-41	0.002	0.004	0.720	0.046	178.501	TRUE	1.55E-39
FEV1FVC	FNIP2	cg18095824	rs79579360	A	C	-0.240	0.042	0.078	9.79E-09	-0.003	0.004	0.440	0.009	32.865	TRUE	1.87E-08
FEV1FVC	FNIP2	cg25026700	rs12509657	T	C	-0.417	0.054	0.049	1.13E-14	0.011	0.006	0.068	0.016	59.616	TRUE	7.01E-14
FEV1FVC	FOXF1	cg01142386	rs112902103	G	C	0.418	0.052	0.051	6.77E-16	-0.019	0.005	4.77E-04	0.017	65.163	TRUE	1.65E-14
FEV1FVC	FOXF1	cg01168283	rs146886904	T	C	0.638	0.074	0.024	6.17E-18	-0.025	0.008	0.002	0.020	74.425	TRUE	1.54E-16
FEV1FVC	FOXF1	cg01168283	rs7187428	G	T	0.345	0.025	0.280	9.11E-42	-0.010	0.003	1.45E-04	0.047	183.227	TRUE	1.14E-38
FEV1FVC	FOXF1	cg01243371	rs11865162	A	G	0.227	0.036	0.113	4.46E-10	-0.007	0.004	0.059	0.010	38.878	TRUE	1.81E-09
FEV1FVC	FOXF1	cg01243371	rs3829536	C	T	0.147	0.025	0.303	2.98E-09	-0.013	0.003	4.44E-07	0.009	35.177	TRUE	6.38E-08
FEV1FVC	FOXF1	cg01243371	rs7185244	T	C	-0.243	0.028	0.215	4.41E-18	-0.005	0.003	0.071	0.020	75.087	TRUE	3.64E-17
FEV1FVC	FOXF1	cg01243371	rs77088019	C	T	0.502	0.053	0.047	3.35E-21	0.003	0.005	0.590	0.024	89.275	TRUE	1.22E-20
FEV1FVC	FOXF1	cg01243371	rs79805292	A	G	0.274	0.044	0.067	4.57E-10	-0.004	0.004	0.420	0.010	38.830	TRUE	9.65E-10
FEV1FVC	FOXF1	cg01695533	rs1364225	C	G	0.181	0.027	0.252	9.81E-12	-0.007	0.003	0.014	0.012	46.342	TRUE	6.48E-11
FEV1FVC	FOXF1	cg03366439	rs77626209	C	A	0.225	0.027	0.249	3.33E-17	-0.007	0.003	0.010	0.019	71.098	TRUE	4.55E-16
FEV1FVC	FOXF1	cg03492747	rs117056203	G	A	-0.578	0.093	0.014	5.62E-10	-0.009	0.009	0.352	0.010	38.427	TRUE	1.28E-09
FEV1FVC	FOXF1	cg03492747	rs117790432	T	C	-0.415	0.049	0.064	4.80E-17	0.008	0.005	0.114	0.019	70.380	TRUE	3.01E-16
FEV1FVC	FOXF1	cg03492747	rs1364225	C	G	-0.716	0.026	0.252	1.40E-169	-0.007	0.003	0.014	0.172	770.088	TRUE	7.04E-155
FEV1FVC	FOXF1	cg03492747	rs1424017	T	C	0.131	0.023	0.435	2.17E-08	-0.005	0.002	0.030	0.008	31.320	TRUE	8.75E-08
FEV1FVC	FOXF1	cg03492747	rs39532	G	C	0.203	0.025	0.319	1.08E-15	-0.007	0.003	0.004	0.017	64.243	TRUE	1.57E-14
FEV1FVC	FOXF1	cg03492747	rs7204236	C	T	-0.207	0.024	0.461	1.90E-18	-0.010	0.002	2.76E-05	0.020	76.747	TRUE	1.17E-16
FEV1FVC	FOXF1	cg05555338	rs1424019	A	G	0.313	0.027	0.249	6.06E-32	-0.007	0.003	0.010	0.036	138.292	TRUE	4.70E-30
FEV1FVC	FOXF1	cg06602857	rs1169646	T	C	-0.265	0.031	0.172	2.44E-17	-0.004	0.003	0.174	0.019	71.712	TRUE	1.31E-16
FEV1FVC	FOXF1	cg06602857	rs117056203	G	A	0.581	0.093	0.014	4.76E-10	-0.009	0.009	0.352	0.010	38.751	TRUE	1.09E-09
FEV1FVC	FOXF1	cg06602857	rs117790432	T	C	0.389	0.049	0.064	3.43E-15	0.008	0.005	0.114	0.016	61.970	TRUE	1.82E-14
FEV1FVC	FOXF1	cg06602857	rs12102689	G	A	-0.146	0.025	0.329	3.44E-09	-0.012	0.003	2.20E-06	0.009	34.896	TRUE	6.27E-08
FEV1FVC	FOXF1	cg06602857	rs12711500	C	G	0.171	0.025	0.309	1.18E-11	-0.006	0.003	0.021	0.012	45.980	TRUE	7.14E-11
FEV1FVC	FOXF1	cg06602857	rs39532	G	C	-0.220	0.025	0.319	4.14E-18	-0.007	0.003	0.004	0.020	75.213	TRUE	8.07E-17
FEV1FVC	FOXF1	cg06602857	rs4843377	A	G	0.162	0.024	0.455	8.43E-12	-0.004	0.002	0.155	0.012	46.637	TRUE	3.07E-11
FEV1FVC	FOXF1	cg06602857	rs66463231	T	G	-0.246	0.041	0.190	1.82E-09	-0.005	0.003	0.087	0.010	36.143	TRUE	6.13E-09
FEV1FVC	FOXF1	cg06602857	rs77626209	C	A	0.702	0.026	0.249	1.83E-161	-0.007	0.003	0.010	0.165	732.771	TRUE	1.10E-147
FEV1FVC	FOXF1	cg09338251	rs1169645	T	A	0.181	0.031	0.178	4.46E-09	-0.004	0.003	0.180	0.009	34.392	TRUE	1.21E-08
FEV1FVC	FOXK1	cg00064840	rs28658109	C	T	0.184	0.031	0.168	3.64E-09	-0.008	0.003	0.020	0.009	34.788	TRUE	1.76E-08

FEV1FVC	FOXK1	cg00064840	rs6463014	T	C	-0.195	0.028	0.232	3.20E-12	0.002	0.003	0.576	0.013	48.537	TRUE	6.60E-12
FEV1FVC	FOXK1	cg00064840	rs7784748	T	C	-0.532	0.023	0.426	1.67E-120	0.006	0.002	0.015	0.128	544.544	TRUE	1.15E-111
FEV1FVC	FOXK1	cg01509853	rs10262715	A	G	-0.145	0.024	0.413	7.89E-10	0.006	0.002	0.016	0.010	37.766	TRUE	4.24E-09
FEV1FVC	FOXK1	cg01509853	rs17135109	T	C	0.476	0.076	0.025	3.78E-10	-0.005	0.008	0.549	0.010	39.202	TRUE	7.13E-10
FEV1FVC	FOXK1	cg01509853	rs28476654	T	A	0.903	0.094	0.030	7.36E-22	-0.004	0.006	0.506	0.024	92.273	TRUE	3.17E-21
FEV1FVC	FOXK1	cg01509853	rs7788807	C	T	0.408	0.070	0.058	4.44E-09	-0.003	0.005	0.536	0.009	34.403	TRUE	7.99E-09
FEV1FVC	FOXK1	cg03599658	rs150248176	C	G	-0.641	0.077	0.025	9.33E-17	-0.008	0.008	0.333	0.018	69.070	TRUE	3.52E-16
FEV1FVC	FOXK1	cg04261496	rs4540325	T	C	-0.181	0.024	0.383	4.53E-14	0.001	0.003	0.594	0.015	56.892	TRUE	1.02E-13
FEV1FVC	FOXK1	cg05117982	rs12701865	G	T	0.147	0.025	0.343	3.54E-09	0.001	0.003	0.688	0.009	34.843	TRUE	5.58E-09
FEV1FVC	FOXK1	cg05117982	rs6973046	G	A	-0.336	0.023	0.487	7.61E-47	-0.004	0.002	0.066	0.053	206.480	TRUE	1.64E-44
FEV1FVC	FOXK1	cg05117982	rs7788807	C	T	0.416	0.070	0.058	2.52E-09	-0.003	0.005	0.536	0.010	35.506	TRUE	4.60E-09
FEV1FVC	FOXK1	cg05764847	rs7793919	T	C	0.355	0.023	0.416	7.99E-54	0.006	0.002	0.022	0.061	238.460	TRUE	8.62E-51
FEV1FVC	FOXK1	cg06287775	rs7781115	A	G	-0.212	0.023	0.424	2.00E-19	0.006	0.002	0.013	0.021	81.199	TRUE	3.42E-18
FEV1FVC	FOXK1	cg06660057	rs111416305	C	T	-0.276	0.042	0.083	4.55E-11	-0.007	0.005	0.122	0.012	43.337	TRUE	1.63E-10
FEV1FVC	FOXK1	cg06660057	rs113297525	C	T	-0.393	0.051	0.066	1.93E-14	-0.005	0.005	0.268	0.016	58.570	TRUE	6.81E-14
FEV1FVC	FOXK1	cg06660057	rs11973119	G	T	-0.555	0.047	0.073	1.32E-32	-0.006	0.005	0.213	0.037	141.323	TRUE	2.60E-31
FEV1FVC	FOXK1	cg06660057	rs300538	G	A	-0.154	0.027	0.265	8.61E-09	0.006	0.003	0.019	0.009	33.114	TRUE	3.98E-08
FEV1FVC	FOXK1	cg06660057	rs35541996	T	C	-0.498	0.084	0.043	3.23E-09	-0.006	0.006	0.327	0.009	35.019	TRUE	7.19E-09
FEV1FVC	FOXK1	cg06660057	rs4540325	T	C	0.161	0.024	0.383	4.17E-11	0.001	0.003	0.594	0.012	43.509	TRUE	7.91E-11
FEV1FVC	FOXK1	cg06660057	rs62452116	A	C	-0.344	0.035	0.126	2.27E-23	-0.012	0.004	0.001	0.026	99.159	TRUE	1.26E-21
FEV1FVC	FOXK1	cg06660057	rs79255073	G	A	-0.729	0.116	0.023	3.04E-10	0.000	0.010	0.998	0.011	39.625	TRUE	4.00E-10
FEV1FVC	FOXK1	cg06846441	rs3087749	T	G	-0.300	0.023	0.491	5.49E-38	-0.005	0.002	0.058	0.043	165.924	TRUE	4.13E-36
FEV1FVC	FOXK1	cg07044458	rs4132809	G	A	-0.163	0.024	0.385	1.68E-11	0.001	0.003	0.652	0.012	45.284	TRUE	3.10E-11
FEV1FVC	FOXK1	cg09281805	rs10228886	G	A	0.212	0.024	0.486	2.47E-19	-0.005	0.002	0.040	0.021	80.781	TRUE	2.84E-18
FEV1FVC	FOXK1	cg09281805	rs10271158	G	A	-0.312	0.027	0.248	8.99E-32	-0.002	0.003	0.401	0.036	137.509	TRUE	1.03E-30
FEV1FVC	FOXK1	cg09281805	rs112649083	C	G	-0.608	0.110	0.011	3.55E-08	-0.001	0.011	0.966	0.008	30.364	TRUE	4.44E-08
FEV1FVC	FOXK1	cg09281805	rs12701865	G	T	-1.007	0.018	0.343	<1E-200	0.001	0.003	0.688	0.455	3086.189	TRUE	<1E-200
FEV1FVC	FOXK1	cg09281805	rs28476654	T	A	-0.680	0.095	0.030	6.85E-13	-0.004	0.006	0.506	0.014	51.559	TRUE	1.60E-12
FEV1FVC	FOXK1	cg09281805	rs4720386	G	T	0.391	0.050	0.115	9.89E-15	0.000	0.004	0.968	0.016	59.886	TRUE	1.61E-14
FEV1FVC	FOXK1	cg09281805	rs62450817	G	A	-0.201	0.024	0.382	1.39E-16	-0.002	0.003	0.446	0.018	68.286	TRUE	4.41E-16
FEV1FVC	FOXK1	cg09281805	rs6463034	C	T	-0.344	0.038	0.132	1.59E-19	0.005	0.004	0.157	0.022	81.645	TRUE	1.07E-18
FEV1FVC	FOXK1	cg09281805	rs74766564	G	A	-0.662	0.098	0.014	1.34E-11	0.013	0.009	0.151	0.012	45.733	TRUE	4.72E-11
FEV1FVC	FOXK1	cg09281805	rs76666907	A	G	-0.927	0.061	0.081	6.38E-53	-0.003	0.004	0.440	0.060	234.325	TRUE	6.72E-51
FEV1FVC	FOXK1	cg09281805	rs7788807	C	T	-0.589	0.069	0.058	2.15E-17	-0.003	0.005	0.536	0.019	71.966	TRUE	6.49E-17
FEV1FVC	FOXK1	cg09395443	rs62452134	A	G	-0.257	0.035	0.127	9.59E-14	-0.012	0.004	6.86E-04	0.015	55.419	TRUE	1.63E-12
FEV1FVC	FOXK1	cg09395443	rs79357656	T	A	0.300	0.054	0.049	3.04E-08	0.007	0.005	0.169	0.008	30.664	TRUE	7.87E-08
FEV1FVC	FOXK1	cg09789173	rs62450856	A	G	0.272	0.035	0.128	4.73E-15	-0.011	0.004	0.002	0.016	61.337	TRUE	8.19E-14
FEV1FVC	FOXK1	cg09789173	rs6463014	T	C	-0.387	0.028	0.232	5.35E-44	0.002	0.003	0.576	0.050	193.440	TRUE	1.49E-42
FEV1FVC	FOXK1	cg09789173	rs74766197	T	G	-0.331	0.059	0.082	2.03E-08	0.003	0.005	0.564	0.008	31.447	TRUE	3.43E-08
FEV1FVC	FOXK1	cg09789173	rs76666907	A	G	0.559	0.062	0.081	1.81E-19	-0.003	0.004	0.440	0.022	81.394	TRUE	7.08E-19
FEV1FVC	FOXK1	cg09789173	rs7793918	T	G	-0.830	0.020	0.410	<1E-200	0.006	0.002	0.020	0.310	1662.875	TRUE	<1E-200
FEV1FVC	FOXK1	cg10106935	rs113195187	C	T	-0.509	0.048	0.069	1.71E-26	-0.006	0.005	0.234	0.030	113.400	TRUE	1.79E-25

FEV1FVC	FOXK1	cg10106935	rs113297525	C	T	-0.389	0.051	0.066	3.46E-14	-0.005	0.005	0.268	0.015	57.421	TRUE	1.20E-13
FEV1FVC	FOXK1	cg10106935	rs300538	G	A	-0.188	0.027	0.265	1.59E-12	0.006	0.003	0.019	0.013	49.906	TRUE	1.13E-11
FEV1FVC	FOXK1	cg10106935	rs35541996	T	C	-0.464	0.084	0.043	3.45E-08	-0.006	0.006	0.327	0.008	30.417	TRUE	7.15E-08
FEV1FVC	FOXK1	cg10106935	rs62452060	A	G	-0.292	0.034	0.129	2.01E-17	-0.011	0.004	0.002	0.019	72.093	TRUE	4.36E-16
FEV1FVC	FOXK1	cg10106935	rs62453200	G	C	0.145	0.024	0.391	2.01E-09	0.000	0.002	0.877	0.010	35.941	TRUE	2.83E-09
FEV1FVC	FOXK1	cg10106935	rs79255073	G	A	-0.681	0.116	0.023	4.17E-09	0.000	0.010	0.998	0.009	34.525	TRUE	5.25E-09
FEV1FVC	FOXK1	cg10118545	rs7784748	T	C	-0.441	0.023	0.426	3.84E-81	0.006	0.002	0.015	0.090	363.778	TRUE	5.27E-76
FEV1FVC	FOXK1	cg10888348	rs113195187	C	T	-0.329	0.048	0.069	8.39E-12	-0.006	0.005	0.234	0.012	46.647	TRUE	2.58E-11
FEV1FVC	FOXK1	cg10888348	rs62452140	T	G	-0.335	0.052	0.049	1.08E-10	0.008	0.005	0.156	0.011	41.648	TRUE	3.52E-10
FEV1FVC	FOXK1	cg10888348	rs76666907	A	G	0.372	0.062	0.081	2.46E-09	-0.003	0.004	0.440	0.010	35.553	TRUE	4.86E-09
FEV1FVC	FOXK1	cg10888348	rs7786525	A	C	-0.687	0.030	0.178	5.03E-118	0.003	0.003	0.294	0.126	533.156	TRUE	8.95E-111
FEV1FVC	FOXK1	cg13287553	rs7784748	T	C	-0.472	0.023	0.426	5.93E-94	0.006	0.002	0.015	0.103	422.593	TRUE	1.02E-87
FEV1FVC	FOXK1	cg13312702	rs149855606	A	G	-0.670	0.075	0.024	3.68E-19	-0.005	0.007	0.499	0.021	79.992	TRUE	1.31E-18
FEV1FVC	FOXK1	cg14582057	rs12701865	G	T	0.168	0.025	0.343	1.52E-11	0.001	0.003	0.688	0.012	45.482	TRUE	2.71E-11
FEV1FVC	FOXK1	cg14582057	rs6973046	G	A	-0.302	0.023	0.487	4.49E-38	-0.004	0.002	0.066	0.043	166.327	TRUE	3.24E-36
FEV1FVC	FOXK1	cg15176413	rs12701865	G	T	0.229	0.025	0.343	2.73E-20	0.001	0.003	0.688	0.022	85.130	TRUE	8.14E-20
FEV1FVC	FOXK1	cg15176413	rs6973046	G	A	-0.441	0.023	0.487	5.88E-81	-0.004	0.002	0.066	0.089	362.930	TRUE	2.57E-76
FEV1FVC	FOXK1	cg15176413	rs7788807	C	T	0.425	0.070	0.058	1.16E-09	-0.003	0.005	0.536	0.010	37.009	TRUE	2.17E-09
FEV1FVC	FOXK1	cg18733230	rs7786525	A	C	-0.308	0.031	0.178	5.74E-24	0.003	0.003	0.294	0.027	101.878	TRUE	4.10E-23
FEV1FVC	FOXK1	cg19336198	rs62452150	T	C	-0.264	0.038	0.105	3.61E-12	-0.008	0.004	0.046	0.013	48.301	TRUE	1.94E-11
FEV1FVC	FOXK1	cg20349812	rs12701865	G	T	0.186	0.025	0.343	6.77E-14	0.001	0.003	0.688	0.015	56.105	TRUE	1.37E-13
FEV1FVC	FOXK1	cg20349812	rs6973046	G	A	-0.406	0.023	0.487	2.04E-68	-0.004	0.002	0.066	0.076	305.380	TRUE	1.04E-64
FEV1FVC	FOXK1	cg20349812	rs7788807	C	T	0.462	0.070	0.058	3.48E-11	-0.003	0.005	0.536	0.012	43.865	TRUE	7.09E-11
FEV1FVC	FOXK1	cg22753962	rs111416305	C	T	-0.246	0.042	0.083	4.72E-09	-0.007	0.005	0.122	0.009	34.284	TRUE	1.41E-08
FEV1FVC	FOXK1	cg22753962	rs113297525	C	T	-0.348	0.051	0.066	1.35E-11	-0.005	0.005	0.268	0.012	45.719	TRUE	3.83E-11
FEV1FVC	FOXK1	cg22753962	rs11973119	G	T	-0.513	0.047	0.073	5.44E-28	-0.006	0.005	0.213	0.031	120.236	TRUE	6.83E-27
FEV1FVC	FOXK1	cg22753962	rs13232425	T	C	-0.129	0.024	0.486	4.31E-08	-0.005	0.002	0.057	0.008	29.988	TRUE	1.41E-07
FEV1FVC	FOXK1	cg22753962	rs300538	G	A	-0.188	0.027	0.265	2.02E-12	0.006	0.003	0.019	0.013	49.439	TRUE	1.42E-11
FEV1FVC	FOXK1	cg22753962	rs35541996	T	C	-0.629	0.084	0.043	6.01E-14	-0.006	0.006	0.327	0.015	56.337	TRUE	1.88E-13
FEV1FVC	FOXK1	cg22753962	rs59864860	A	T	-0.347	0.034	0.135	3.47E-24	-0.011	0.004	0.001	0.027	102.878	TRUE	2.04E-22
FEV1FVC	FOXK1	cg23318967	rs6968957	G	A	-0.230	0.024	0.387	4.44E-22	0.000	0.002	0.949	0.025	93.275	TRUE	1.13E-21
FEV1FVC	FOXK1	cg23871697	rs12701943	C	T	0.252	0.040	0.096	4.86E-10	0.002	0.004	0.673	0.010	38.711	TRUE	8.22E-10
FEV1FVC	FOXK1	cg23871697	rs3763381	T	C	0.159	0.023	0.495	1.22E-11	0.005	0.002	0.034	0.012	45.908	TRUE	6.56E-11
FEV1FVC	FOXK1	cg26800803	rs12701865	G	T	0.193	0.025	0.343	6.31E-15	0.001	0.003	0.688	0.016	60.770	TRUE	1.35E-14
FEV1FVC	FOXK1	cg26800803	rs6973046	G	A	-0.379	0.023	0.487	1.31E-59	-0.004	0.002	0.066	0.067	264.990	TRUE	1.68E-56
FEV1FVC	FOXK2	cg01122847	rs147721183	T	C	-1.071	0.120	0.016	5.27E-19	0.011	0.011	0.330	0.021	79.283	TRUE	2.38E-18
FEV1FVC	FOXK2	cg01122847	rs149143300	T	C	-0.819	0.089	0.017	2.24E-20	0.021	0.010	0.031	0.023	85.523	TRUE	3.19E-19
FEV1FVC	FOXK2	cg01122847	rs62079679	T	C	-0.550	0.058	0.045	5.50E-21	0.001	0.006	0.846	0.023	88.298	TRUE	1.44E-20
FEV1FVC	FOXK2	cg01483119	rs11869798	C	A	0.169	0.026	0.281	1.64E-10	-0.002	0.003	0.552	0.011	40.829	TRUE	3.15E-10
FEV1FVC	FOXK2	cg01483119	rs147721183	T	C	-0.869	0.122	0.016	9.36E-13	0.011	0.011	0.330	0.014	50.947	TRUE	2.66E-12
FEV1FVC	FOXK2	cg01483119	rs149143300	T	C	-0.783	0.089	0.017	1.51E-18	0.021	0.010	0.031	0.020	77.199	TRUE	1.77E-17
FEV1FVC	FOXK2	cg01483119	rs3752822	G	C	-0.285	0.030	0.178	8.25E-21	0.001	0.003	0.759	0.023	87.495	TRUE	2.37E-20

FEV1FVC	FOXK2	cg01483119	rs3794713	C	T	0.282	0.031	0.165	8.72E-20	0.005	0.003	0.116	0.022	82.834	TRUE	7.08E-19
FEV1FVC	FOXK2	cg01483119	rs75794119	A	G	-0.482	0.058	0.044	5.86E-17	-0.012	0.006	0.048	0.019	69.987	TRUE	5.05E-16
FEV1FVC	FOXK2	cg01483119	rs77037677	A	G	-0.670	0.050	0.055	4.19E-41	-0.007	0.005	0.139	0.046	180.193	TRUE	2.80E-39
FEV1FVC	FOXK2	cg01483119	rs78077159	G	C	-0.339	0.052	0.052	6.23E-11	0.005	0.006	0.371	0.011	42.723	TRUE	1.48E-10
FEV1FVC	FOXK2	cg02094337	rs12452440	T	C	0.174	0.024	0.430	1.45E-13	0.010	0.002	6.23E-05	0.015	54.603	TRUE	3.66E-12
FEV1FVC	FOXK2	cg02094337	rs4789705	C	G	0.209	0.036	0.127	3.91E-09	-0.002	0.004	0.509	0.009	34.649	TRUE	7.22E-09
FEV1FVC	FOXK2	cg02116768	rs72852022	T	C	-0.207	0.030	0.203	2.65E-12	-0.002	0.003	0.498	0.013	48.908	TRUE	5.93E-12
FEV1FVC	FOXK2	cg02796939	rs753569	T	G	-0.351	0.029	0.210	1.59E-33	-0.001	0.003	0.804	0.038	145.514	TRUE	1.11E-32
FEV1FVC	FOXK2	cg02796939	rs78165269	C	G	0.215	0.025	0.304	2.15E-17	-0.002	0.003	0.532	0.019	71.965	TRUE	6.43E-17
FEV1FVC	FOXK2	cg03238119	rs4789817	G	A	0.151	0.025	0.355	6.63E-10	0.005	0.003	0.077	0.010	38.107	TRUE	2.50E-09
FEV1FVC	FOXK2	cg03238119	rs79150306	T	A	-0.275	0.050	0.055	4.40E-08	-0.007	0.005	0.157	0.008	29.950	TRUE	1.14E-07
FEV1FVC	FOXK2	cg04381393	rs113425960	T	G	-2.006	0.162	0.013	3.69E-35	0.008	0.011	0.458	0.040	152.993	TRUE	5.32E-34
FEV1FVC	FOXK2	cg04381393	rs117895336	A	G	-0.386	0.061	0.042	3.31E-10	0.005	0.006	0.419	0.011	39.460	TRUE	7.06E-10
FEV1FVC	FOXK2	cg04800768	rs1387545	T	C	-0.322	0.032	0.389	3.20E-23	0.003	0.002	0.260	0.026	98.479	TRUE	2.34E-22
FEV1FVC	FOXK2	cg04800768	rs17885612	G	C	-0.142	0.025	0.289	2.45E-08	-0.005	0.003	0.081	0.008	31.086	TRUE	7.78E-08
FEV1FVC	FOXK2	cg04800768	rs78106158	G	C	-0.374	0.051	0.063	1.45E-13	0.007	0.004	0.130	0.015	54.602	TRUE	6.44E-13
FEV1FVC	FOXK2	cg05331763	rs11652501	G	C	0.479	0.024	0.362	1.52E-91	0.010	0.003	1.07E-04	0.100	411.535	TRUE	2.12E-84
FEV1FVC	FOXK2	cg05331763	rs117542937	T	C	-0.476	0.074	0.024	1.01E-10	0.001	0.007	0.879	0.011	41.782	TRUE	1.49E-10
FEV1FVC	FOXK2	cg05331763	rs144288267	C	T	-0.364	0.053	0.046	5.04E-12	-0.001	0.006	0.906	0.013	47.647	TRUE	7.65E-12
FEV1FVC	FOXK2	cg05331763	rs4789817	G	A	-0.191	0.024	0.355	5.97E-15	0.005	0.003	0.077	0.016	60.880	TRUE	3.67E-14
FEV1FVC	FOXK2	cg05331763	rs73371707	A	G	0.404	0.072	0.061	1.70E-08	0.013	0.005	0.006	0.009	31.797	TRUE	9.21E-08
FEV1FVC	FOXK2	cg05331763	rs9905533	T	C	-1.113	0.036	0.108	1.23E-215	-0.001	0.004	0.871	0.210	981.827	TRUE	7.36E-197
FEV1FVC	FOXK2	cg05331763	rs9911222	T	C	-1.115	0.025	0.173	<1E-200	0.001	0.003	0.797	0.353	2017.296	TRUE	<1E-200
FEV1FVC	FOXK2	cg05578865	rs116857425	T	C	0.481	0.081	0.020	2.48E-09	0.018	0.009	0.051	0.010	35.537	TRUE	9.61E-09
FEV1FVC	FOXK2	cg05578865	rs117252262	T	C	-0.546	0.087	0.020	3.20E-10	0.003	0.008	0.680	0.011	39.528	TRUE	5.40E-10
FEV1FVC	FOXK2	cg05578865	rs12150524	A	G	-0.331	0.051	0.054	5.86E-11	-0.008	0.005	0.128	0.011	42.845	TRUE	2.06E-10
FEV1FVC	FOXK2	cg05578865	rs12936476	T	C	-0.178	0.024	0.476	5.67E-14	-0.003	0.002	0.217	0.015	56.451	TRUE	2.15E-13
FEV1FVC	FOXK2	cg05578865	rs12948621	C	A	-0.238	0.024	0.379	5.16E-23	0.000	0.003	0.979	0.026	97.533	TRUE	1.34E-22
FEV1FVC	FOXK2	cg05578865	rs148600435	A	G	-0.548	0.091	0.017	1.48E-09	-0.004	0.007	0.588	0.010	36.544	TRUE	2.60E-09
FEV1FVC	FOXK2	cg05578865	rs34509144	A	T	-0.372	0.060	0.045	5.93E-10	0.003	0.006	0.675	0.010	38.323	TRUE	9.99E-10
FEV1FVC	FOXK2	cg05578865	rs3794713	C	T	-0.665	0.030	0.165	7.11E-108	0.005	0.003	0.116	0.116	486.529	TRUE	4.15E-101
FEV1FVC	FOXK2	cg05578865	rs60966564	A	G	0.521	0.029	0.212	1.02E-73	-0.003	0.003	0.376	0.082	329.710	TRUE	2.56E-70
FEV1FVC	FOXK2	cg05578865	rs73357180	C	T	0.382	0.034	0.134	1.22E-28	0.000	0.004	0.919	0.032	123.199	TRUE	4.98E-28
FEV1FVC	FOXK2	cg05578865	rs74001784	T	C	0.289	0.053	0.050	3.84E-08	-0.008	0.006	0.148	0.008	30.211	TRUE	1.01E-07
FEV1FVC	FOXK2	cg05578865	rs77256703	G	A	-0.777	0.020	0.441	<1E-200	-0.001	0.002	0.798	0.285	1474.022	TRUE	4.11E-284
FEV1FVC	FOXK2	cg05578865	rs79233685	T	G	0.207	0.036	0.115	8.04E-09	-0.004	0.004	0.349	0.009	33.248	TRUE	1.68E-08
FEV1FVC	FOXK2	cg05578865	rs8067360	C	T	0.203	0.024	0.455	1.01E-17	0.003	0.002	0.237	0.019	73.446	TRUE	4.86E-17
FEV1FVC	FOXK2	cg05578865	rs8069795	C	A	-0.150	0.027	0.261	1.98E-08	-0.001	0.003	0.631	0.008	31.497	TRUE	3.14E-08
FEV1FVC	FOXK2	cg05578865	rs9891087	A	G	0.429	0.049	0.061	2.78E-18	-0.002	0.006	0.745	0.020	76.001	TRUE	6.94E-18
FEV1FVC	FOXK2	cg05580415	rs11654159	T	C	-0.209	0.032	0.162	6.30E-11	-0.001	0.003	0.880	0.011	42.702	TRUE	9.39E-11
FEV1FVC	FOXK2	cg05580415	rs117039631	T	C	-0.544	0.086	0.019	2.65E-10	0.003	0.008	0.693	0.011	39.894	TRUE	4.46E-10
FEV1FVC	FOXK2	cg05580415	rs117477450	G	C	-0.431	0.079	0.025	4.60E-08	-0.009	0.008	0.288	0.008	29.862	TRUE	9.89E-08

FEV1FVC	FOXK2	cg05580415	rs12150313	G	T	-0.288	0.050	0.055	1.10E-08	-0.008	0.005	0.100	0.009	32.633	TRUE	3.38E-08
FEV1FVC	FOXK2	cg05580415	rs12948621	C	A	-0.299	0.024	0.379	7.10E-36	0.000	0.003	0.979	0.041	156.266	TRUE	4.77E-35
FEV1FVC	FOXK2	cg05580415	rs148600435	A	G	-0.520	0.091	0.017	9.68E-09	-0.004	0.007	0.588	0.009	32.887	TRUE	1.63E-08
FEV1FVC	FOXK2	cg05580415	rs2279393	G	A	0.406	0.033	0.155	1.30E-35	-0.003	0.003	0.374	0.040	155.057	TRUE	2.39E-34
FEV1FVC	FOXK2	cg05580415	rs2635417	A	C	-0.205	0.023	0.498	2.20E-18	0.000	0.002	0.890	0.020	76.460	TRUE	4.67E-18
FEV1FVC	FOXK2	cg05580415	rs376385266	A	G	-0.190	0.027	0.243	2.79E-12	-0.003	0.003	0.368	0.013	48.803	TRUE	7.27E-12
FEV1FVC	FOXK2	cg05580415	rs3794713	C	T	-0.641	0.030	0.165	5.73E-100	0.005	0.003	0.116	0.109	450.214	TRUE	6.23E-94
FEV1FVC	FOXK2	cg05580415	rs60966564	A	G	0.275	0.029	0.212	4.61E-21	-0.003	0.003	0.376	0.023	88.646	TRUE	2.30E-20
FEV1FVC	FOXK2	cg05580415	rs62079682	A	G	-0.330	0.060	0.045	3.64E-08	0.003	0.006	0.675	0.008	30.316	TRUE	5.59E-08
FEV1FVC	FOXK2	cg05580415	rs7217917	T	C	-0.142	0.024	0.472	2.09E-09	-0.004	0.002	0.146	0.010	35.867	TRUE	6.19E-09
FEV1FVC	FOXK2	cg05580415	rs7406537	A	G	0.170	0.024	0.440	4.56E-13	0.004	0.003	0.109	0.014	52.356	TRUE	2.04E-12
FEV1FVC	FOXK2	cg05580415	rs77256703	G	A	-0.762	0.020	0.441	<1E-200	-0.001	0.002	0.798	0.278	1427.753	TRUE	3.78E-276
FEV1FVC	FOXK2	cg05580415	rs79989195	T	C	0.430	0.057	0.036	7.32E-14	-0.001	0.006	0.807	0.015	55.949	TRUE	1.33E-13
FEV1FVC	FOXK2	cg05580415	rs9891087	A	G	0.337	0.049	0.061	7.85E-12	-0.002	0.006	0.745	0.012	46.778	TRUE	1.37E-11
FEV1FVC	FOXK2	cg05580415	rs9916861	T	C	0.166	0.030	0.208	2.06E-08	0.004	0.003	0.244	0.008	31.418	TRUE	4.78E-08
FEV1FVC	FOXK2	cg07539709	rs72852022	T	C	-0.293	0.029	0.203	2.27E-23	-0.002	0.003	0.498	0.026	99.162	TRUE	1.09E-22
FEV1FVC	FOXK2	cg07539709	rs78165269	C	G	0.189	0.025	0.304	6.74E-14	-0.002	0.003	0.532	0.015	56.113	TRUE	1.61E-13
FEV1FVC	FOXK2	cg08848988	rs3794713	C	T	-0.399	0.031	0.165	1.47E-38	0.005	0.003	0.116	0.044	168.542	TRUE	8.28E-37
FEV1FVC	FOXK2	cg10255544	rs3829565	G	C	-0.674	0.038	0.101	4.97E-69	0.001	0.004	0.899	0.077	308.195	TRUE	1.69E-66
FEV1FVC	FOXK2	cg10255544	rs6502119	C	T	0.252	0.024	0.367	1.45E-25	0.010	0.003	4.91E-05	0.029	109.171	TRUE	2.23E-23
FEV1FVC	FOXK2	cg10460657	rs8074559	G	A	0.296	0.048	0.150	9.51E-10	-0.001	0.004	0.878	0.010	37.402	TRUE	1.34E-09
FEV1FVC	FOXK2	cg10460657	rs9788998	G	A	0.266	0.023	0.463	7.54E-30	0.003	0.002	0.235	0.034	128.719	TRUE	1.10E-28
FEV1FVC	FOXK2	cg11779900	rs118072068	T	A	-0.548	0.087	0.022	3.03E-10	-0.002	0.008	0.837	0.011	39.635	TRUE	4.50E-10
FEV1FVC	FOXK2	cg11779900	rs146599866	T	C	-0.930	0.024	0.242	<1E-200	-0.010	0.003	7.01E-04	0.286	1484.276	TRUE	3.63E-281
FEV1FVC	FOXK2	cg11779900	rs62078078	T	C	0.309	0.028	0.228	2.99E-29	-0.004	0.003	0.235	0.033	125.988	TRUE	4.11E-28
FEV1FVC	FOXK2	cg11779900	rs79589817	T	C	-0.210	0.038	0.134	2.48E-08	0.002	0.004	0.533	0.008	31.058	TRUE	4.31E-08
FEV1FVC	FOXK2	cg11779900	rs9911222	T	C	0.219	0.031	0.173	1.60E-12	0.001	0.003	0.797	0.013	49.893	TRUE	2.74E-12
FEV1FVC	FOXK2	cg11779900	rs9916019	C	A	0.305	0.038	0.107	8.33E-16	-0.001	0.004	0.872	0.017	64.755	TRUE	1.57E-15
FEV1FVC	FOXK2	cg14173033	rs140709442	A	G	-0.644	0.114	0.013	1.46E-08	-0.011	0.010	0.250	0.009	32.084	TRUE	3.39E-08
FEV1FVC	FOXK2	cg14173033	rs72852022	T	C	-0.256	0.030	0.203	4.39E-18	-0.002	0.003	0.498	0.020	75.096	TRUE	1.44E-17
FEV1FVC	FOXK2	cg14173033	rs78165269	C	G	0.156	0.025	0.304	7.22E-10	-0.002	0.003	0.532	0.010	37.940	TRUE	1.35E-09
FEV1FVC	FOXK2	cg14587273	rs1007494	A	G	-0.145	0.025	0.323	3.84E-09	0.006	0.003	0.020	0.009	34.684	TRUE	1.79E-08
FEV1FVC	FOXK2	cg14587273	rs11656597	A	G	-0.182	0.028	0.221	1.24E-10	-0.001	0.003	0.747	0.011	41.372	TRUE	2.03E-10
FEV1FVC	FOXK2	cg14587273	rs28708773	T	G	-1.583	0.065	0.034	8.30E-130	-0.004	0.007	0.601	0.137	587.291	TRUE	7.82E-122
FEV1FVC	FOXK2	cg14587273	rs56080345	T	A	-0.270	0.028	0.241	1.29E-22	-0.002	0.003	0.443	0.025	95.711	TRUE	6.56E-22
FEV1FVC	FOXK2	cg14587273	rs71376548	T	C	-0.454	0.053	0.051	8.41E-18	0.003	0.005	0.585	0.020	73.815	TRUE	2.44E-17
FEV1FVC	FOXK2	cg14674306	rs12950772	G	A	0.319	0.026	0.269	2.92E-34	0.003	0.003	0.351	0.039	148.883	TRUE	4.98E-33
FEV1FVC	FOXK2	cg14674306	rs201699120	A	T	-0.187	0.030	0.204	3.47E-10	-0.003	0.003	0.301	0.011	39.369	TRUE	8.52E-10
FEV1FVC	FOXK2	cg15292356	rs111946258	G	A	0.269	0.030	0.196	1.09E-19	-0.002	0.003	0.593	0.022	82.402	TRUE	3.54E-19
FEV1FVC	FOXK2	cg15292356	rs11651812	A	G	-0.675	0.023	0.338	1.93E-181	-0.001	0.003	0.713	0.182	824.607	TRUE	2.03E-167
FEV1FVC	FOXK2	cg15292356	rs117959151	G	A	-0.878	0.129	0.018	1.17E-11	-0.001	0.008	0.936	0.012	45.997	TRUE	1.72E-11
FEV1FVC	FOXK2	cg15292356	rs118100209	A	G	-0.414	0.061	0.044	1.46E-11	-0.003	0.006	0.565	0.012	45.559	TRUE	2.96E-11

FEV1FVC	FOXK2	cg15292356	rs2279394	A	G	-0.276	0.026	0.275	1.61E-26	0.005	0.003	0.049	0.030	113.515	TRUE	3.80E-25
FEV1FVC	FOXK2	cg15292356	rs3752822	G	C	0.297	0.030	0.178	1.34E-22	0.001	0.003	0.759	0.025	95.641	TRUE	4.33E-22
FEV1FVC	FOXK2	cg15292356	rs62079722	A	C	-0.209	0.030	0.188	7.28E-12	-0.001	0.003	0.718	0.013	46.925	TRUE	1.29E-11
FEV1FVC	FOXK2	cg15292356	rs630945	G	A	0.219	0.024	0.449	4.03E-20	-0.001	0.002	0.750	0.022	84.360	TRUE	1.14E-19
FEV1FVC	FOXK2	cg15292356	rs79989195	T	C	-0.355	0.058	0.036	7.08E-10	-0.001	0.006	0.807	0.010	37.979	TRUE	1.06E-09
FEV1FVC	FOXK2	cg15292356	rs8082615	G	C	0.239	0.029	0.192	4.43E-16	0.002	0.003	0.579	0.018	66.001	TRUE	1.14E-15
FEV1FVC	FOXK2	cg15292356	rs9890099	T	G	-0.185	0.028	0.235	6.92E-11	0.002	0.003	0.397	0.011	42.517	TRUE	1.57E-10
FEV1FVC	FOXK2	cg15349696	rs72852022	T	C	-0.291	0.029	0.203	5.09E-23	-0.002	0.003	0.498	0.026	97.558	TRUE	2.38E-22
FEV1FVC	FOXK2	cg15349696	rs78165269	C	G	0.175	0.025	0.304	5.37E-12	-0.002	0.003	0.532	0.013	47.520	TRUE	1.14E-11
FEV1FVC	FOXK2	cg16375265	rs11650031	T	C	-0.199	0.036	0.109	2.94E-08	0.002	0.004	0.641	0.008	30.728	TRUE	4.62E-08
FEV1FVC	FOXK2	cg16375265	rs117252262	T	C	-0.545	0.087	0.020	3.36E-10	0.003	0.008	0.680	0.011	39.432	TRUE	5.66E-10
FEV1FVC	FOXK2	cg16375265	rs12936476	T	C	-0.143	0.024	0.476	1.45E-09	-0.003	0.002	0.217	0.010	36.580	TRUE	3.86E-09
FEV1FVC	FOXK2	cg16375265	rs12948621	C	A	-0.223	0.024	0.379	1.73E-20	0.000	0.003	0.979	0.023	86.027	TRUE	3.85E-20
FEV1FVC	FOXK2	cg16375265	rs2279393	G	A	0.240	0.033	0.155	2.50E-13	-0.003	0.003	0.374	0.014	53.534	TRUE	7.09E-13
FEV1FVC	FOXK2	cg16375265	rs2635417	A	C	-0.176	0.023	0.498	6.52E-14	0.000	0.002	0.890	0.015	56.177	TRUE	1.09E-13
FEV1FVC	FOXK2	cg16375265	rs3794713	C	T	-0.606	0.030	0.165	4.92E-89	0.005	0.003	0.116	0.098	400.006	TRUE	6.11E-84
FEV1FVC	FOXK2	cg16375265	rs60966564	A	G	0.305	0.029	0.212	1.25E-25	-0.003	0.003	0.376	0.029	109.460	TRUE	9.03E-25
FEV1FVC	FOXK2	cg16375265	rs72851958	C	A	-0.154	0.027	0.242	1.45E-08	-0.003	0.003	0.305	0.009	32.102	TRUE	3.17E-08
FEV1FVC	FOXK2	cg16375265	rs77256703	G	A	-0.556	0.023	0.441	1.66E-133	-0.001	0.002	0.798	0.140	604.292	TRUE	2.03E-125
FEV1FVC	FOXK2	cg16375265	rs9891087	A	G	0.286	0.049	0.061	6.36E-09	-0.002	0.006	0.745	0.009	33.704	TRUE	9.58E-09
FEV1FVC	FOXK2	cg16755922	rs80014614	A	G	0.449	0.050	0.060	2.49E-19	0.001	0.005	0.929	0.021	80.761	TRUE	5.43E-19
FEV1FVC	FOXK2	cg16755922	rs878823	T	C	0.512	0.028	0.211	5.72E-73	-0.001	0.003	0.876	0.081	326.268	TRUE	3.72E-70
FEV1FVC	FOXK2	cg16755922	rs9911520	T	C	0.393	0.071	0.063	3.62E-08	0.000	0.005	0.963	0.008	30.326	TRUE	4.51E-08
FEV1FVC	FOXK2	cg18128058	rs142226247	A	G	0.369	0.057	0.046	1.23E-10	-0.003	0.006	0.563	0.011	41.391	TRUE	2.36E-10
FEV1FVC	FOXK2	cg18128058	rs4789807	T	C	-0.322	0.030	0.200	2.00E-27	-0.003	0.003	0.301	0.031	117.657	TRUE	1.93E-26
FEV1FVC	FOXK2	cg18128058	rs78165269	C	G	0.216	0.025	0.304	1.79E-17	-0.002	0.003	0.532	0.019	72.322	TRUE	5.39E-17
FEV1FVC	FOXK2	cg20173014	rs12452440	T	C	0.261	0.023	0.430	8.92E-29	0.010	0.002	6.23E-05	0.032	123.820	TRUE	2.23E-26
FEV1FVC	FOXK2	cg20710824	rs11869798	C	A	-0.215	0.026	0.281	1.23E-16	-0.002	0.003	0.552	0.018	68.522	TRUE	3.44E-16
FEV1FVC	FOXK2	cg20710824	rs180743348	T	C	-0.167	0.029	0.182	1.45E-08	-0.004	0.003	0.238	0.009	32.101	TRUE	3.39E-08
FEV1FVC	FOXK2	cg20710824	rs8074559	G	A	0.297	0.048	0.150	8.48E-10	-0.001	0.004	0.878	0.010	37.626	TRUE	1.19E-09
FEV1FVC	FOXK2	cg20710824	rs9788998	G	A	0.290	0.023	0.463	2.69E-36	0.003	0.002	0.235	0.041	158.193	TRUE	7.53E-35
FEV1FVC	FOXK2	cg21093005	rs113987209	T	C	0.339	0.038	0.286	2.32E-19	0.007	0.003	0.014	0.021	80.898	TRUE	3.83E-18
FEV1FVC	FOXK2	cg21093005	rs4789803	T	C	-0.284	0.046	0.181	5.78E-10	0.007	0.003	0.040	0.010	38.373	TRUE	2.56E-09
FEV1FVC	FOXK2	cg21093005	rs56075787	T	C	-0.172	0.028	0.235	7.48E-10	-0.010	0.003	4.30E-04	0.010	37.872	TRUE	7.35E-09
FEV1FVC	FOXK2	cg21909206	rs3794713	C	T	-0.198	0.030	0.165	8.59E-11	0.005	0.003	0.116	0.011	42.095	TRUE	3.09E-10
FEV1FVC	FOXK2	cg22582875	rs8076310	T	C	-0.267	0.029	0.209	3.12E-20	-0.001	0.003	0.839	0.022	84.866	TRUE	7.92E-20
FEV1FVC	FOXK2	cg23628350	rs118027829	T	C	0.481	0.066	0.037	2.14E-13	-0.003	0.007	0.680	0.014	53.847	TRUE	4.30E-13
FEV1FVC	FOXK2	cg23628350	rs144288267	C	T	-0.341	0.053	0.046	9.81E-11	-0.001	0.006	0.906	0.011	41.837	TRUE	1.41E-10
FEV1FVC	FOXK2	cg23628350	rs2085615	C	G	0.199	0.025	0.363	6.32E-16	0.001	0.003	0.579	0.017	65.299	TRUE	1.64E-15
FEV1FVC	FOXK2	cg23628350	rs2246563	T	C	0.164	0.024	0.412	6.53E-12	0.003	0.003	0.242	0.013	47.137	TRUE	1.98E-11
FEV1FVC	FOXK2	cg23628350	rs60966564	A	G	0.975	0.025	0.212	<1E-200	-0.003	0.003	0.376	0.289	1500.648	TRUE	1.08E-287
FEV1FVC	FOXK2	cg23628350	rs62079673	T	C	0.556	0.023	0.417	9.03E-128	0.003	0.002	0.173	0.135	577.933	TRUE	3.43E-119

FEV1FVC	FOXK2	cg23628350	rs66693031	A	G	0.546	0.055	0.049	1.40E-23	0.002	0.006	0.760	0.026	100.120	TRUE	4.83E-23
FEV1FVC	FOXK2	cg23628350	rs744991	G	C	-0.350	0.025	0.289	6.32E-43	0.006	0.003	0.024	0.048	188.533	TRUE	1.44E-40
FEV1FVC	FOXK2	cg23628350	rs74705920	A	G	0.527	0.053	0.050	2.51E-23	0.005	0.006	0.412	0.026	98.956	TRUE	1.39E-22
FEV1FVC	FOXK2	cg23628350	rs77256703	G	A	-0.259	0.023	0.441	1.90E-28	-0.001	0.002	0.798	0.032	122.325	TRUE	8.84E-28
FEV1FVC	FOXK2	cg23628350	rs9303032	G	A	0.137	0.024	0.440	6.93E-09	-0.002	0.003	0.379	0.009	33.537	TRUE	1.42E-08
FEV1FVC	FOXK2	cg23628350	rs9893830	T	A	0.487	0.044	0.215	4.61E-29	-0.002	0.003	0.516	0.033	125.127	TRUE	3.47E-28
FEV1FVC	FOXK2	cg23674202	rs113987209	T	C	0.318	0.038	0.286	3.11E-17	0.007	0.003	0.014	0.019	71.235	TRUE	4.03E-16
FEV1FVC	FOXK2	cg23674202	rs118072068	T	A	0.479	0.087	0.022	3.67E-08	-0.002	0.008	0.837	0.008	30.299	TRUE	4.99E-08
FEV1FVC	FOXK2	cg23674202	rs142507840	G	C	0.401	0.048	0.062	1.22E-16	0.002	0.005	0.771	0.018	68.540	TRUE	2.70E-16
FEV1FVC	FOXK2	cg23674202	rs35083592	A	G	0.157	0.026	0.279	2.33E-09	-0.002	0.003	0.519	0.010	35.661	TRUE	4.29E-09
FEV1FVC	FOXK2	cg23674202	rs4789803	T	C	-0.421	0.045	0.181	2.24E-20	0.007	0.003	0.040	0.023	85.519	TRUE	2.93E-19
FEV1FVC	FOXK2	cg23674202	rs8067257	A	G	-0.192	0.030	0.205	8.03E-11	-0.001	0.003	0.812	0.011	42.228	TRUE	1.25E-10
FEV1FVC	FOXK2	cg23765707	rs12600791	G	T	-0.315	0.051	0.055	4.56E-10	-0.008	0.005	0.124	0.010	38.835	TRUE	1.50E-09
FEV1FVC	FOXK2	cg23765707	rs144288267	C	T	-0.303	0.053	0.046	9.25E-09	-0.001	0.006	0.906	0.009	32.974	TRUE	1.22E-08
FEV1FVC	FOXK2	cg23765707	rs149143300	T	C	-0.509	0.089	0.017	1.14E-08	0.021	0.010	0.031	0.009	32.576	TRUE	4.62E-08
FEV1FVC	FOXK2	cg23765707	rs7220002	C	A	0.347	0.032	0.166	3.16E-28	-0.001	0.003	0.734	0.032	121.312	TRUE	1.58E-27
FEV1FVC	FOXK2	cg24220178	rs113987209	T	C	0.484	0.037	0.286	8.75E-39	0.007	0.003	0.014	0.044	169.576	TRUE	1.48E-36
FEV1FVC	FOXK2	cg24220178	rs4789803	T	C	-0.461	0.045	0.181	3.01E-24	0.007	0.003	0.040	0.027	103.157	TRUE	5.91E-23
FEV1FVC	FOXK2	cg24220178	rs56075787	T	C	-0.181	0.028	0.235	9.00E-11	-0.010	0.003	4.30E-04	0.011	42.005	TRUE	1.02E-09
FEV1FVC	FOXK2	cg24537348	rs9271	A	G	-0.268	0.029	0.209	3.00E-20	-0.001	0.003	0.824	0.022	84.946	TRUE	7.62E-20
FEV1FVC	FOXK2	cg24770256	rs3736207	C	T	-0.244	0.039	0.102	3.94E-10	0.000	0.004	0.915	0.010	39.123	TRUE	5.49E-10
FEV1FVC	FOXK2	cg24793584	rs78165269	C	G	-0.153	0.025	0.304	8.92E-10	-0.002	0.003	0.532	0.010	37.528	TRUE	1.66E-09
FEV1FVC	FOXK2	cg25009498	rs118027829	T	C	0.519	0.066	0.037	2.37E-15	-0.003	0.007	0.680	0.017	62.697	TRUE	5.34E-15
FEV1FVC	FOXK2	cg25009498	rs144288267	C	T	-0.359	0.053	0.046	1.02E-11	-0.001	0.006	0.906	0.012	46.263	TRUE	1.53E-11
FEV1FVC	FOXK2	cg25009498	rs1870370	G	C	0.218	0.033	0.163	3.50E-11	0.001	0.003	0.857	0.012	43.849	TRUE	5.37E-11
FEV1FVC	FOXK2	cg25009498	rs2451198	G	A	0.302	0.028	0.244	9.86E-28	0.000	0.003	0.881	0.031	119.055	TRUE	3.90E-27
FEV1FVC	FOXK2	cg25009498	rs60966564	A	G	1.001	0.025	0.212	<1E-200	-0.003	0.003	0.376	0.304	1619.313	TRUE	8.59E-308
FEV1FVC	FOXK2	cg25009498	rs62079673	T	C	0.598	0.023	0.417	2.79E-149	0.003	0.002	0.173	0.155	676.780	TRUE	2.91E-138
FEV1FVC	FOXK2	cg25009498	rs72853019	A	G	1.036	0.104	0.027	1.81E-23	0.003	0.008	0.735	0.026	99.603	TRUE	6.39E-23
FEV1FVC	FOXK2	cg25009498	rs744991	G	C	-0.370	0.025	0.289	5.86E-48	0.006	0.003	0.024	0.054	211.582	TRUE	2.65E-45
FEV1FVC	FOXK2	cg25009498	rs74705920	A	G	0.530	0.053	0.050	1.64E-23	0.005	0.006	0.412	0.026	99.799	TRUE	9.21E-23
FEV1FVC	FOXK2	cg25009498	rs77256703	G	A	-0.229	0.023	0.441	1.45E-22	-0.001	0.002	0.798	0.025	95.481	TRUE	4.46E-22
FEV1FVC	FOXK2	cg25009498	rs78483419	C	T	-0.188	0.031	0.179	1.26E-09	0.001	0.003	0.873	0.010	36.860	TRUE	1.77E-09
FEV1FVC	FOXK2	cg25009498	rs9893830	T	A	0.480	0.044	0.215	2.89E-28	-0.002	0.003	0.516	0.032	121.487	TRUE	2.03E-27
FEV1FVC	FOXK2	cg26176014	rs140737552	T	C	0.191	0.027	0.246	2.55E-12	-0.010	0.003	8.52E-04	0.013	48.983	TRUE	3.27E-11
FEV1FVC	FOXK2	cg26986438	rs9914081	T	C	0.267	0.038	0.280	2.49E-12	0.007	0.003	0.014	0.013	49.026	TRUE	1.85E-11
FEV1FVC	FOXK2	cg27450688	rs3794713	C	T	-0.197	0.030	0.165	9.48E-11	0.005	0.003	0.116	0.011	41.904	TRUE	3.40E-10
FEV1FVC	FOXK2	cg27570233	rs2015031	A	G	0.141	0.024	0.357	5.99E-09	-0.003	0.003	0.208	0.009	33.821	TRUE	1.54E-08
FEV1FVC	FOXO1	cg07109046	rs116913284	T	C	-0.503	0.084	0.043	2.34E-09	-0.012	0.006	0.040	0.010	35.650	TRUE	9.56E-09
FEV1FVC	FOXO1	cg07109046	rs117029811	T	C	0.636	0.090	0.017	1.29E-12	-0.007	0.010	0.457	0.013	50.315	TRUE	3.09E-12
FEV1FVC	FOXO1	cg07109046	rs117752462	C	T	-0.817	0.121	0.011	1.57E-11	-0.012	0.011	0.261	0.012	45.415	TRUE	4.53E-11
FEV1FVC	FOXO1	cg07109046	rs2701880	C	A	0.993	0.044	0.072	5.72E-111	-0.001	0.005	0.914	0.119	500.742	TRUE	3.05E-105

FEV1FVC	FOXO1	cg07109046	rs2755237	C	A	0.292	0.033	0.151	4.54E-19	0.006	0.003	0.052	0.021	79.578	TRUE	4.66E-18
FEV1FVC	FOXO1	cg07109046	rs73176962	G	A	0.811	0.147	0.016	3.72E-08	-0.015	0.010	0.139	0.008	30.272	TRUE	1.00E-07
FEV1FVC	FOXO1	cg07109046	rs76949687	T	C	-0.586	0.081	0.017	3.83E-13	-0.012	0.008	0.134	0.014	52.698	TRUE	1.60E-12
FEV1FVC	FOXO1	cg07109046	rs79692440	A	G	-0.862	0.086	0.018	1.45E-23	0.013	0.008	0.131	0.026	100.041	TRUE	1.58E-22
FEV1FVC	FOXO1	cg07109046	rs9532604	T	C	0.168	0.025	0.346	1.13E-11	0.004	0.003	0.122	0.012	46.064	TRUE	4.35E-11
FEV1FVC	FOXO1	cg07109046	rs9549260	A	C	-0.709	0.028	0.193	2.55E-145	-0.010	0.003	5.49E-04	0.151	658.573	TRUE	1.10E-132
FEV1FVC	FOXO1	cg07109046	rs9577150	A	T	0.495	0.073	0.030	1.62E-11	0.001	0.007	0.937	0.012	45.362	TRUE	2.36E-11
FEV1FVC	FOXO1	cg07109046	rs9594422	T	C	-0.200	0.031	0.164	1.95E-10	-0.004	0.003	0.254	0.011	40.493	TRUE	5.16E-10
FEV1FVC	FOXO1	cg09792463	rs2253001	T	A	-0.373	0.025	0.285	1.04E-48	-0.009	0.003	7.29E-04	0.055	215.027	TRUE	2.15E-45
FEV1FVC	FOXO1	cg09792463	rs57788165	T	C	-0.245	0.043	0.086	8.81E-09	0.002	0.004	0.707	0.009	33.070	TRUE	1.36E-08
FEV1FVC	FOXO1	cg09792463	rs7323436	G	A	0.139	0.025	0.317	3.18E-08	0.002	0.003	0.436	0.008	30.579	TRUE	5.88E-08
FEV1FVC	FOXO1	cg10696351	rs116913284	T	C	-0.532	0.084	0.043	2.57E-10	-0.012	0.006	0.040	0.011	39.954	TRUE	1.16E-09
FEV1FVC	FOXO1	cg10696351	rs117752462	C	T	-0.675	0.121	0.011	2.65E-08	-0.012	0.011	0.261	0.008	30.932	TRUE	5.97E-08
FEV1FVC	FOXO1	cg10696351	rs2875409	A	G	-0.432	0.054	0.053	1.19E-15	0.000	0.006	0.959	0.017	64.055	TRUE	2.06E-15
FEV1FVC	FOXO1	cg10696351	rs55805387	T	C	-0.350	0.042	0.087	1.39E-16	0.002	0.004	0.715	0.018	68.290	TRUE	3.20E-16
FEV1FVC	FOXO1	cg10696351	rs58104999	T	C	-0.195	0.032	0.163	1.10E-09	-0.003	0.003	0.391	0.010	37.113	TRUE	2.37E-09
FEV1FVC	FOXO1	cg10696351	rs7323436	G	A	0.227	0.025	0.317	1.18E-19	0.002	0.003	0.436	0.022	82.239	TRUE	4.71E-19
FEV1FVC	FOXO1	cg10696351	rs7328677	G	A	-0.670	0.023	0.283	2.35E-184	-0.009	0.003	3.86E-04	0.185	838.005	TRUE	2.53E-166
FEV1FVC	FOXO1	cg10696351	rs76949687	T	C	-0.501	0.081	0.017	5.65E-10	-0.012	0.008	0.134	0.010	38.419	TRUE	1.79E-09
FEV1FVC	FOXO1	cg10696351	rs9532727	C	T	0.174	0.024	0.400	7.98E-13	0.006	0.003	0.025	0.014	51.259	TRUE	5.53E-12
FEV1FVC	FOXO1	cg11244402	rs4325427	T	C	-0.370	0.026	0.265	9.56E-46	-0.010	0.003	6.72E-05	0.052	201.447	TRUE	3.12E-42
FEV1FVC	FOXO1	cg14168545	rs9577090	T	G	0.226	0.025	0.279	5.30E-19	-0.009	0.003	6.84E-04	0.021	79.272	TRUE	1.74E-17
FEV1FVC	FOXO1	cg21288729	rs117752462	C	T	0.764	0.121	0.011	3.06E-10	-0.012	0.011	0.261	0.011	39.612	TRUE	8.00E-10
FEV1FVC	FOXO1	cg21288729	rs17592468	A	G	0.679	0.071	0.023	6.65E-22	0.011	0.007	0.102	0.024	92.473	TRUE	6.90E-21
FEV1FVC	FOXO1	cg21288729	rs2875409	A	G	0.492	0.054	0.053	5.11E-20	0.000	0.006	0.959	0.022	83.891	TRUE	1.12E-19
FEV1FVC	FOXO1	cg21288729	rs3783164	C	T	-0.346	0.025	0.308	8.35E-44	0.002	0.003	0.383	0.049	192.556	TRUE	3.53E-42
FEV1FVC	FOXO1	cg21288729	rs55805387	T	C	0.482	0.042	0.087	2.86E-30	0.002	0.004	0.715	0.034	130.640	TRUE	1.73E-29
FEV1FVC	FOXO1	cg21288729	rs573506397	T	C	0.925	0.152	0.015	1.13E-09	0.005	0.017	0.767	0.010	37.071	TRUE	1.73E-09
FEV1FVC	FOXO1	cg21288729	rs58104999	T	C	0.244	0.032	0.163	1.51E-14	-0.003	0.003	0.391	0.016	59.055	TRUE	4.53E-14
FEV1FVC	FOXO1	cg21288729	rs73173159	A	C	0.440	0.076	0.021	6.66E-09	0.001	0.008	0.949	0.009	33.615	TRUE	8.63E-09
FEV1FVC	FOXO1	cg21288729	rs76949687	T	C	0.607	0.080	0.017	3.95E-14	-0.012	0.008	0.134	0.015	57.160	TRUE	1.80E-13
FEV1FVC	FOXO1	cg21288729	rs7989711	T	C	0.794	0.024	0.281	2.46E-241	-0.009	0.003	4.97E-04	0.229	1099.990	TRUE	3.87E-214
FEV1FVC	FOXO1	cg21288729	rs9532719	A	G	0.556	0.079	0.060	1.87E-12	-0.018	0.005	2.78E-04	0.013	49.585	TRUE	3.00E-11
FEV1FVC	FOXO1	cg23413567	rs9549243	A	G	-0.282	0.029	0.187	8.75E-23	-0.013	0.003	4.03E-06	0.025	96.486	TRUE	1.47E-20
FEV1FVC	FYN	cg02755956	rs9487724	G	C	0.261	0.043	0.100	1.36E-09	0.008	0.004	0.058	0.010	36.710	TRUE	5.28E-09
FEV1FVC	FYN	cg02816367	rs2012071	A	G	0.184	0.025	0.472	3.55E-13	0.001	0.002	0.633	0.014	52.851	TRUE	7.25E-13
FEV1FVC	FYN	cg04657000	rs1887315	G	C	0.342	0.038	0.138	9.54E-20	0.008	0.004	0.019	0.022	82.658	TRUE	1.47E-18
FEV1FVC	FYN	cg05517541	rs10457239	A	G	-0.211	0.034	0.154	8.33E-10	0.003	0.003	0.416	0.010	37.660	TRUE	1.75E-09
FEV1FVC	FYN	cg05517541	rs137922443	G	A	0.597	0.100	0.017	2.59E-09	0.013	0.010	0.170	0.009	35.451	TRUE	7.24E-09
FEV1FVC	FYN	cg05517541	rs17073074	T	C	0.514	0.046	0.085	8.69E-29	0.003	0.004	0.444	0.032	123.872	TRUE	7.15E-28
FEV1FVC	FYN	cg05517541	rs17704348	C	T	-0.254	0.037	0.131	3.83E-12	0.002	0.004	0.501	0.013	48.184	TRUE	8.44E-12
FEV1FVC	FYN	cg05517541	rs536341	A	G	0.428	0.066	0.042	1.02E-10	-0.009	0.006	0.123	0.011	41.769	TRUE	3.56E-10

FEV1FVC	FYN	cg05517541	rs580900	C	T	0.822	0.060	0.049	4.49E-43	0.011	0.006	0.058	0.049	189.210	TRUE	6.50E-41
FEV1FVC	FYN	cg05517541	rs6932319	A	G	-0.330	0.036	0.146	2.12E-20	-0.002	0.004	0.548	0.023	85.628	TRUE	7.71E-20
FEV1FVC	FYN	cg05517541	rs927010	C	G	-0.209	0.029	0.244	9.41E-13	-0.007	0.003	0.014	0.014	50.937	TRUE	7.40E-12
FEV1FVC	FYN	cg05517541	rs9400505	C	T	1.229	0.030	0.148	<1E-200	0.009	0.004	0.011	0.313	1683.281	TRUE	<1E-200
FEV1FVC	FYN	cg05517541	rs9481206	T	A	0.288	0.040	0.116	3.23E-13	0.004	0.004	0.305	0.014	53.036	TRUE	9.83E-13
FEV1FVC	FYN	cg07725064	rs17072993	T	C	0.241	0.036	0.152	2.57E-11	0.009	0.003	0.011	0.012	44.455	TRUE	1.83E-10
FEV1FVC	FYN	cg07725064	rs4544951	G	A	-0.173	0.027	0.343	1.11E-10	0.007	0.003	0.011	0.011	41.602	TRUE	7.34E-10
FEV1FVC	FYN	cg07725064	rs4947131	A	G	-0.214	0.029	0.244	3.41E-13	0.001	0.003	0.724	0.014	52.928	TRUE	6.51E-13
FEV1FVC	FYN	cg07725064	rs9387018	T	C	-0.193	0.028	0.279	5.59E-12	-0.003	0.003	0.233	0.013	47.443	TRUE	1.73E-11
FEV1FVC	FYN	cg07725064	rs9487589	C	T	-0.203	0.028	0.280	7.46E-13	-0.001	0.003	0.778	0.014	51.391	TRUE	1.32E-12
FEV1FVC	FYN	cg07725064	rs9487730	T	A	-0.984	0.052	0.054	4.35E-81	0.006	0.005	0.295	0.089	363.527	TRUE	4.89E-77
FEV1FVC	FYN	cg08061598	rs9374281	T	G	0.468	0.079	0.028	2.91E-09	0.003	0.008	0.740	0.009	35.226	TRUE	4.47E-09
FEV1FVC	FYN	cg08270099	rs1321169	A	T	0.153	0.027	0.375	8.95E-09	-0.001	0.003	0.667	0.009	33.040	TRUE	1.43E-08
FEV1FVC	FYN	cg08376209	rs62413686	T	G	1.033	0.116	0.011	5.79E-19	0.014	0.011	0.208	0.021	79.097	TRUE	3.34E-18
FEV1FVC	FYN	cg08376209	rs697642	A	G	0.280	0.045	0.088	4.62E-10	0.005	0.004	0.249	0.010	38.811	TRUE	1.21E-09
FEV1FVC	FYN	cg08601457	rs12175744	C	G	0.380	0.046	0.085	1.85E-16	0.003	0.004	0.429	0.018	67.722	TRUE	5.94E-16
FEV1FVC	FYN	cg08601457	rs17540214	T	A	-0.212	0.037	0.133	6.56E-09	0.001	0.003	0.815	0.009	33.644	TRUE	9.37E-09
FEV1FVC	FYN	cg08601457	rs62413686	T	G	0.743	0.116	0.011	1.79E-10	0.014	0.011	0.208	0.011	40.665	TRUE	5.16E-10
FEV1FVC	FYN	cg08601457	rs6932319	A	G	-0.249	0.036	0.146	3.40E-12	-0.002	0.004	0.548	0.013	48.419	TRUE	7.23E-12
FEV1FVC	FYN	cg08601457	rs706895	C	T	0.284	0.029	0.249	1.62E-22	0.004	0.003	0.207	0.025	95.265	TRUE	1.25E-21
FEV1FVC	FYN	cg08601457	rs9487736	A	G	0.872	0.035	0.143	5.23E-135	0.010	0.004	0.006	0.142	611.189	TRUE	2.94E-124
FEV1FVC	FYN	cg09410830	rs17072801	C	A	-0.437	0.072	0.071	1.30E-09	0.003	0.004	0.436	0.010	36.800	TRUE	2.62E-09
FEV1FVC	FYN	cg09512548	rs10457239	A	G	-0.280	0.034	0.154	4.11E-16	0.003	0.003	0.416	0.018	66.148	TRUE	1.32E-15
FEV1FVC	FYN	cg09512548	rs12191154	G	A	-0.696	0.038	0.108	5.00E-74	-0.002	0.004	0.529	0.082	331.126	TRUE	8.36E-71
FEV1FVC	FYN	cg09512548	rs1794818	A	G	0.297	0.025	0.411	1.94E-31	-0.002	0.002	0.431	0.035	135.986	TRUE	2.08E-30
FEV1FVC	FYN	cg09512548	rs56376432	C	T	0.253	0.046	0.082	3.47E-08	-0.003	0.005	0.471	0.008	30.407	TRUE	6.21E-08
FEV1FVC	FYN	cg13832988	rs116862171	G	A	-1.205	0.139	0.016	3.78E-18	0.002	0.009	0.861	0.020	75.390	TRUE	8.23E-18
FEV1FVC	FYN	cg13832988	rs35552830	A	T	-0.207	0.033	0.170	2.68E-10	0.003	0.003	0.349	0.011	39.874	TRUE	6.25E-10
FEV1FVC	FYN	cg14482998	rs1029324	A	G	-0.941	0.022	0.327	<1E-200	-0.004	0.003	0.131	0.333	1844.014	TRUE	<1E-200
FEV1FVC	FYN	cg14482998	rs117106468	A	C	-0.671	0.090	0.019	9.52E-14	-0.010	0.008	0.204	0.015	55.434	TRUE	3.60E-13
FEV1FVC	FYN	cg14482998	rs117686161	A	T	0.829	0.140	0.015	3.09E-09	0.001	0.010	0.942	0.009	35.109	TRUE	4.07E-09
FEV1FVC	FYN	cg14482998	rs117804466	A	G	0.560	0.073	0.030	1.83E-14	0.010	0.007	0.163	0.016	58.680	TRUE	8.03E-14
FEV1FVC	FYN	cg14482998	rs174401	C	T	-0.504	0.032	0.180	1.32E-55	-0.008	0.003	0.014	0.063	246.626	TRUE	2.52E-52
FEV1FVC	FYN	cg14482998	rs2237257	G	T	0.578	0.037	0.124	3.70E-56	-0.005	0.004	0.141	0.063	249.157	TRUE	1.69E-53
FEV1FVC	FYN	cg14482998	rs35737411	T	C	0.403	0.043	0.095	1.44E-20	-0.001	0.004	0.802	0.023	86.397	TRUE	3.85E-20
FEV1FVC	FYN	cg14482998	rs35796161	G	T	0.511	0.025	0.398	1.16E-96	0.004	0.002	0.075	0.105	435.023	TRUE	9.70E-91
FEV1FVC	FYN	cg14482998	rs4429983	G	A	-0.413	0.057	0.117	4.30E-13	-0.008	0.004	0.021	0.014	52.474	TRUE	3.14E-12
FEV1FVC	FYN	cg14482998	rs456865	T	C	-0.336	0.025	0.429	5.97E-40	-0.005	0.002	0.040	0.045	174.913	TRUE	7.36E-38
FEV1FVC	FYN	cg14482998	rs62414866	A	C	0.420	0.044	0.082	3.04E-21	0.004	0.004	0.383	0.024	89.467	TRUE	1.48E-20
FEV1FVC	FYN	cg14482998	rs72944240	T	C	-0.382	0.054	0.143	1.67E-12	-0.002	0.004	0.631	0.013	49.806	TRUE	3.33E-12
FEV1FVC	FYN	cg14482998	rs74885165	A	G	0.472	0.082	0.020	6.80E-09	0.006	0.007	0.455	0.009	33.573	TRUE	1.29E-08
FEV1FVC	FYN	cg14482998	rs75288724	G	A	-0.772	0.087	0.022	7.02E-19	-0.007	0.008	0.386	0.021	78.714	TRUE	2.87E-18

FEV1FVC	FYN	cg14482998	rs788157	T	A	-0.672	0.084	0.023	1.02E-15	0.026	0.008	0.001	0.017	64.360	TRUE	2.00E-14
FEV1FVC	FYN	cg14482998	rs79074797	C	T	-0.585	0.047	0.078	4.92E-35	-0.009	0.005	0.049	0.040	152.419	TRUE	2.88E-33
FEV1FVC	FYN	cg14482998	rs9487589	C	T	0.393	0.028	0.280	1.51E-44	-0.001	0.003	0.778	0.050	195.964	TRUE	3.07E-43
FEV1FVC	FYN	cg14482998	rs9487671	C	T	-0.466	0.065	0.044	6.91E-13	0.015	0.006	0.013	0.014	51.542	TRUE	5.56E-12
FEV1FVC	FYN	cg14482998	rs9487704	A	G	-0.705	0.083	0.024	1.29E-17	0.010	0.008	0.245	0.019	72.976	TRUE	6.08E-17
FEV1FVC	FYN	cg14683699	rs73533730	T	C	-0.499	0.082	0.028	1.35E-09	-0.002	0.008	0.792	0.010	36.714	TRUE	2.03E-09
FEV1FVC	FYN	cg14683699	rs9320380	T	C	-0.299	0.030	0.253	6.80E-24	0.008	0.003	0.008	0.027	101.542	TRUE	2.30E-22
FEV1FVC	FYN	cg16155724	rs1887315	G	C	0.293	0.038	0.138	8.29E-15	0.008	0.004	0.019	0.016	60.233	TRUE	7.42E-14
FEV1FVC	FYN	cg17076443	rs9487736	A	G	0.300	0.037	0.143	3.55E-16	0.010	0.004	0.006	0.018	66.434	TRUE	5.16E-15
FEV1FVC	FYN	cg20596647	rs12175744	C	G	0.504	0.046	0.085	6.81E-28	0.003	0.004	0.429	0.031	119.788	TRUE	5.32E-27
FEV1FVC	FYN	cg20596647	rs144080231	A	G	-0.198	0.035	0.146	1.84E-08	0.003	0.003	0.419	0.008	31.644	TRUE	3.48E-08
FEV1FVC	FYN	cg20596647	rs17704348	C	T	-0.246	0.037	0.131	1.72E-11	0.002	0.004	0.501	0.012	45.238	TRUE	3.65E-11
FEV1FVC	FYN	cg20596647	rs4544951	G	A	-0.151	0.027	0.343	1.56E-08	0.007	0.003	0.011	0.009	31.962	TRUE	7.88E-08
FEV1FVC	FYN	cg20596647	rs536341	A	G	0.372	0.066	0.042	1.96E-08	-0.009	0.006	0.123	0.008	31.522	TRUE	5.58E-08
FEV1FVC	FYN	cg20596647	rs62413686	T	G	1.319	0.116	0.011	3.67E-30	0.014	0.011	0.208	0.034	130.148	TRUE	5.86E-29
FEV1FVC	FYN	cg20596647	rs706867	T	C	-0.195	0.029	0.235	3.59E-11	-0.005	0.003	0.058	0.012	43.803	TRUE	1.59E-10
FEV1FVC	FYN	cg20596647	rs706895	C	T	0.322	0.029	0.249	1.00E-28	0.004	0.003	0.207	0.032	123.586	TRUE	1.37E-27
FEV1FVC	FYN	cg20596647	rs72942201	A	G	-0.347	0.051	0.061	7.43E-12	-0.004	0.005	0.374	0.013	46.884	TRUE	1.89E-11
FEV1FVC	FYN	cg20596647	rs7775711	A	G	1.225	0.031	0.142	<1E-200	0.009	0.004	0.008	0.297	1561.376	TRUE	2.51E-295
FEV1FVC	FYN	cg20706496	rs150735800	C	T	0.452	0.081	0.025	2.94E-08	-0.007	0.008	0.413	0.008	30.732	TRUE	5.57E-08
FEV1FVC	FYN	cg20706496	rs6912110	G	A	-0.327	0.026	0.376	1.18E-35	-0.001	0.003	0.663	0.040	155.263	TRUE	1.24E-34
FEV1FVC	FYN	cg24824472	rs9487736	A	G	0.494	0.036	0.143	9.37E-42	0.010	0.004	0.006	0.047	183.170	TRUE	3.47E-39
FEV1FVC	FYN	cg26462931	rs9487777	C	G	1.489	0.109	0.014	3.66E-42	-0.006	0.009	0.493	0.048	185.037	TRUE	9.95E-41
FEV1FVC	FYN	cg26846943	rs10872074	G	A	0.485	0.082	0.026	2.76E-09	0.010	0.008	0.215	0.009	35.325	TRUE	7.17E-09
FEV1FVC	FYN	cg26846943	rs11153318	A	G	-0.256	0.026	0.364	2.90E-22	-0.001	0.003	0.849	0.025	94.119	TRUE	8.31E-22
FEV1FVC	FYN	cg26846943	rs144080231	A	G	-0.217	0.035	0.146	7.31E-10	0.003	0.003	0.419	0.010	37.915	TRUE	1.52E-09
FEV1FVC	FYN	cg26846943	rs17704348	C	T	-0.287	0.037	0.131	3.72E-15	0.002	0.004	0.501	0.016	61.811	TRUE	9.91E-15
FEV1FVC	FYN	cg26846943	rs56268709	A	C	0.854	0.154	0.015	2.83E-08	0.003	0.008	0.744	0.008	30.805	TRUE	4.14E-08
FEV1FVC	FYN	cg26846943	rs580900	C	T	1.153	0.059	0.049	1.89E-85	0.011	0.006	0.058	0.094	383.552	TRUE	2.13E-80
FEV1FVC	FYN	cg26846943	rs585057	T	C	0.240	0.039	0.329	5.71E-10	0.003	0.003	0.197	0.010	38.396	TRUE	1.60E-09
FEV1FVC	FYN	cg26846943	rs72946251	C	A	0.475	0.067	0.042	1.20E-12	-0.011	0.006	0.068	0.013	50.459	TRUE	6.05E-12
FEV1FVC	FYN	cg26846943	rs7776191	G	T	0.735	0.067	0.036	5.09E-28	0.004	0.006	0.566	0.032	120.367	TRUE	3.21E-27
FEV1FVC	FYN	cg26846943	rs804193	T	C	0.562	0.064	0.042	1.57E-18	0.007	0.006	0.247	0.020	77.129	TRUE	7.93E-18
FEV1FVC	FYN	cg26846943	rs9400505	C	T	1.342	0.027	0.148	<1E-200	0.009	0.004	0.011	0.400	2466.568	TRUE	<1E-200
FEV1FVC	FYN	cg26846943	rs9481206	T	A	0.308	0.040	0.116	6.25E-15	0.004	0.004	0.305	0.016	60.790	TRUE	2.16E-14
FEV1FVC	G0S2	cg06616057	rs11577968	C	G	0.155	0.028	0.210	3.87E-08	0.006	0.003	0.042	0.008	30.198	TRUE	1.39E-07
FEV1FVC	G0S2	cg08158408	rs56948998	T	A	0.252	0.028	0.208	2.99E-19	0.006	0.003	0.047	0.021	80.402	TRUE	3.29E-18
FEV1FVC	G0S2	cg08185241	rs73087477	T	C	0.156	0.028	0.212	3.17E-08	0.006	0.003	0.042	0.008	30.583	TRUE	1.15E-07
FEV1FVC	G0S2	cg14824901	rs73087477	T	C	0.209	0.028	0.212	1.04E-13	0.006	0.003	0.042	0.015	55.253	TRUE	6.71E-13
FEV1FVC	G0S2	cg19534438	rs2049999	C	T	0.198	0.024	0.388	1.94E-16	0.001	0.003	0.585	0.018	67.625	TRUE	5.06E-16
FEV1FVC	G0S2	cg19534438	rs4844988	T	C	0.225	0.033	0.143	6.81E-12	0.002	0.003	0.534	0.013	47.057	TRUE	1.44E-11
FEV1FVC	G0S2	cg19534438	rs6660087	C	T	-0.160	0.028	0.221	1.15E-08	0.005	0.003	0.078	0.009	32.555	TRUE	3.81E-08

FEV1FVC	G0S2	cg19534438	rs78075213	G	T	0.798	0.125	0.019	1.48E-10	0.011	0.009	0.238	0.011	41.035	TRUE	4.09E-10
FEV1FVC	G0S2	cg19534438	rs932374	G	A	0.576	0.025	0.268	2.52E-114	0.003	0.003	0.209	0.122	516.163	TRUE	3.14E-107
FEV1FVC	G0S2	cg23646375	rs10779511	A	G	0.159	0.027	0.242	4.31E-09	0.005	0.003	0.075	0.009	34.462	TRUE	1.49E-08
FEV1FVC	G0S2	cg23646375	rs2298924	G	A	-0.232	0.035	0.135	4.67E-11	-0.002	0.004	0.595	0.012	43.286	TRUE	8.96E-11
FEV1FVC	G0S2	cg23646375	rs3753522	A	G	0.397	0.027	0.240	2.70E-47	0.004	0.003	0.187	0.053	208.542	TRUE	3.09E-45
FEV1FVC	G0S2	cg23646375	rs4844860	G	A	0.141	0.026	0.292	4.21E-08	-0.001	0.003	0.676	0.008	30.034	TRUE	6.42E-08
FEV1FVC	G0S2	cg27176828	rs73087477	T	C	0.195	0.028	0.212	3.44E-12	0.006	0.003	0.042	0.013	48.395	TRUE	1.89E-11
FEV1FVC	GAB2	cg07780377	rs10793302	T	C	-0.269	0.032	0.150	8.77E-17	-0.021	0.003	5.56E-11	0.018	69.190	TRUE	2.25E-14
FEV1FVC	GAB2	cg12700464	rs202186505	C	T	-0.178	0.032	0.149	3.75E-08	-0.022	0.003	2.46E-11	0.008	30.259	TRUE	1.45E-06
FEV1FVC	GAB2	cg13226797	rs2063730	C	A	-0.201	0.031	0.177	4.58E-11	-0.020	0.003	9.90E-11	0.012	43.327	TRUE	3.29E-09
FEV1FVC	GAB2	cg13319772	rs901105	C	A	-0.231	0.032	0.154	3.62E-13	-0.020	0.003	2.00E-10	0.014	52.811	TRUE	3.96E-11
FEV1FVC	GAB2	cg24769381	rs112250420	A	T	-0.600	0.061	0.072	1.01E-22	-0.015	0.005	0.002	0.025	96.204	TRUE	4.05E-21
FEV1FVC	GAB2	cg24769381	rs11237557	C	A	0.298	0.049	0.064	1.66E-09	-0.001	0.005	0.907	0.010	36.317	TRUE	2.28E-09
FEV1FVC	GAB2	cg24769381	rs12294627	A	C	-0.937	0.115	0.019	2.86E-16	-0.020	0.009	0.038	0.018	66.863	TRUE	2.46E-15
FEV1FVC	GAB2	cg24769381	rs12420296	C	T	-0.141	0.024	0.459	2.46E-09	-0.008	0.002	0.002	0.010	35.554	TRUE	1.84E-08
FEV1FVC	GAB2	cg24769381	rs1790246	A	G	-0.205	0.026	0.260	8.64E-15	-0.001	0.003	0.647	0.016	60.151	TRUE	1.92E-14
FEV1FVC	GAB2	cg24769381	rs189665771	T	C	-1.350	0.162	0.011	8.42E-17	-0.028	0.012	0.016	0.018	69.270	TRUE	9.84E-16
FEV1FVC	GAB2	cg24769381	rs2510044	A	G	-1.261	0.028	0.130	<1E-200	-0.019	0.004	1.03E-07	0.361	2092.313	TRUE	<1E-200
FEV1FVC	GAB2	cg24769381	rs542392	A	T	0.175	0.029	0.222	1.11E-09	0.003	0.003	0.359	0.010	37.094	TRUE	2.48E-09
FEV1FVC	GAB2	cg24769381	rs683420	C	T	-0.584	0.089	0.036	6.10E-11	-0.011	0.007	0.101	0.011	42.765	TRUE	2.31E-10
FEV1FVC	GAB2	cg24769381	rs7125327	T	C	0.324	0.032	0.391	9.95E-24	0.007	0.003	0.007	0.027	100.789	TRUE	3.18E-22
FEV1FVC	GAB2	cg24769381	rs74862493	G	T	-0.530	0.040	0.098	1.97E-39	-0.002	0.004	0.657	0.045	172.540	TRUE	3.03E-38
FEV1FVC	GAB2	cg24769381	rs75268099	T	C	-1.275	0.090	0.019	6.51E-46	-0.026	0.008	7.46E-04	0.052	202.212	TRUE	9.56E-43
FEV1FVC	GAB2	cg24769381	rs977977	T	C	0.217	0.027	0.232	1.62E-15	-0.002	0.003	0.436	0.017	63.448	TRUE	4.85E-15
FEV1FVC	GAB2	cg25414537	rs71471414	G	T	-0.433	0.045	0.180	1.49E-21	0.007	0.003	0.033	0.024	90.875	TRUE	2.32E-20
FEV1FVC	GAB2	cg25502267	rs2510031	C	T	-0.237	0.032	0.150	2.06E-13	-0.020	0.003	1.62E-09	0.014	53.918	TRUE	1.83E-11
FEV1FVC	GAB2	cg26672202	rs117732488	G	A	0.542	0.099	0.015	4.93E-08	-0.024	0.009	0.009	0.008	29.728	TRUE	2.37E-07
FEV1FVC	GAB2	cg26672202	rs1385601	C	A	0.886	0.031	0.150	2.14E-179	-0.020	0.003	5.91E-10	0.181	815.206	TRUE	3.86E-159
FEV1FVC	GAB2	cg26672202	rs189665771	T	C	1.073	0.163	0.011	4.24E-11	-0.028	0.012	0.016	0.012	43.474	TRUE	2.61E-10
FEV1FVC	GAB2	cg26672202	rs7125563	A	G	-0.161	0.026	0.278	5.19E-10	-0.004	0.003	0.097	0.010	38.584	TRUE	1.82E-09
FEV1FVC	GAB2	cg26672202	rs79023139	C	A	0.329	0.040	0.102	1.27E-16	-0.004	0.004	0.302	0.018	68.463	TRUE	4.98E-16
FEV1FVC	GALNS	cg00073650	rs12102389	A	G	-1.041	0.087	0.021	9.35E-33	-0.005	0.008	0.509	0.037	142.001	TRUE	9.82E-32
FEV1FVC	GALNS	cg00086334	rs11648295	T	G	-0.414	0.049	0.125	1.66E-17	0.000	0.004	0.944	0.019	72.471	TRUE	3.17E-17
FEV1FVC	GALNS	cg00086334	rs78408219	A	T	-0.260	0.043	0.084	2.09E-09	0.005	0.004	0.264	0.010	35.872	TRUE	5.08E-09
FEV1FVC	GALNS	cg00230183	rs1064315	A	G	-0.251	0.027	0.256	3.77E-20	0.003	0.003	0.256	0.022	84.491	TRUE	2.16E-19
FEV1FVC	GALNS	cg00230183	rs112999834	T	A	0.240	0.041	0.100	6.35E-09	0.006	0.004	0.132	0.009	33.707	TRUE	1.87E-08
FEV1FVC	GALNS	cg00230183	rs116932393	T	A	-1.039	0.104	0.015	1.35E-23	-0.004	0.010	0.700	0.026	100.191	TRUE	5.06E-23
FEV1FVC	GALNS	cg00230183	rs12102389	A	G	1.013	0.088	0.021	1.42E-30	-0.005	0.008	0.509	0.034	132.027	TRUE	1.23E-29
FEV1FVC	GALNS	cg00230183	rs533581	C	T	0.161	0.024	0.398	1.17E-11	-0.003	0.003	0.192	0.012	46.000	TRUE	3.74E-11
FEV1FVC	GALNS	cg01241798	rs11640595	T	C	-1.126	0.061	0.042	1.54E-75	0.005	0.007	0.501	0.084	338.063	TRUE	3.56E-72
FEV1FVC	GALNS	cg01241798	rs12931849	C	T	-0.301	0.029	0.206	1.81E-24	0.000	0.003	0.944	0.027	104.165	TRUE	5.28E-24
FEV1FVC	GALNS	cg01241798	rs12933643	T	C	-0.533	0.089	0.034	2.32E-09	-0.010	0.006	0.102	0.010	35.666	TRUE	7.54E-09

FEV1FVC	GALNS	cg01241798	rs13306296	A	G	-0.150	0.024	0.361	7.20E-10	-0.005	0.003	0.045	0.010	37.946	TRUE	3.05E-09
FEV1FVC	GALNS	cg01241798	rs147668693	A	G	0.475	0.056	0.049	2.60E-17	0.007	0.005	0.171	0.019	71.585	TRUE	1.42E-16
FEV1FVC	GALNS	cg01241798	rs154663	T	C	-0.359	0.041	0.101	9.35E-19	0.000	0.004	0.952	0.021	78.149	TRUE	1.90E-18
FEV1FVC	GALNS	cg01241798	rs1646235	C	T	-0.235	0.041	0.200	1.26E-08	0.001	0.003	0.810	0.009	32.380	TRUE	1.77E-08
FEV1FVC	GALNS	cg01241798	rs2269333	G	A	-0.733	0.025	0.288	3.15E-189	0.003	0.003	0.216	0.189	860.408	TRUE	4.03E-173
FEV1FVC	GALNS	cg01241798	rs258336	T	G	0.175	0.024	0.459	1.41E-13	0.001	0.002	0.701	0.015	54.658	TRUE	2.79E-13
FEV1FVC	GALNS	cg01241798	rs2879898	T	C	-0.256	0.025	0.352	5.34E-25	0.003	0.003	0.285	0.028	106.580	TRUE	4.37E-24
FEV1FVC	GALNS	cg01241798	rs34060566	A	C	0.253	0.024	0.360	7.94E-26	0.006	0.003	0.033	0.029	110.357	TRUE	2.01E-24
FEV1FVC	GALNS	cg01241798	rs34536643	G	A	-0.833	0.117	0.021	1.28E-12	-0.002	0.009	0.791	0.013	50.329	TRUE	2.22E-12
FEV1FVC	GALNS	cg01241798	rs4782469	A	G	0.182	0.029	0.228	3.42E-10	0.007	0.003	0.015	0.011	39.399	TRUE	1.95E-09
FEV1FVC	GALNS	cg01241798	rs4785639	A	G	-0.201	0.030	0.201	1.06E-11	-0.001	0.003	0.710	0.012	46.183	TRUE	1.89E-11
FEV1FVC	GALNS	cg01241798	rs4785645	G	A	-0.185	0.027	0.256	3.77E-12	0.005	0.003	0.059	0.013	48.214	TRUE	1.88E-11
FEV1FVC	GALNS	cg01241798	rs563013384	T	C	-1.170	0.090	0.030	8.62E-39	0.004	0.007	0.568	0.044	169.604	TRUE	1.46E-37
FEV1FVC	GALNS	cg01241798	rs6500516	C	T	-0.245	0.027	0.272	8.06E-20	0.003	0.003	0.213	0.022	82.990	TRUE	4.98E-19
FEV1FVC	GALNS	cg01241798	rs7186902	A	C	-0.169	0.030	0.181	2.69E-08	-0.001	0.003	0.885	0.008	30.903	TRUE	3.58E-08
FEV1FVC	GALNS	cg01241798	rs7188277	C	T	-0.236	0.031	0.181	2.24E-14	0.001	0.003	0.835	0.016	58.278	TRUE	4.12E-14
FEV1FVC	GALNS	cg01241798	rs7205379	G	A	-0.548	0.041	0.190	1.02E-41	0.000	0.003	0.958	0.047	182.998	TRUE	1.20E-40
FEV1FVC	GALNS	cg01241798	rs72631429	T	C	-0.271	0.028	0.224	1.22E-21	0.003	0.003	0.395	0.024	91.278	TRUE	6.13E-21
FEV1FVC	GALNS	cg01241798	rs72809428	A	G	-0.192	0.031	0.181	5.76E-10	-0.002	0.003	0.551	0.010	38.380	TRUE	1.06E-09
FEV1FVC	GALNS	cg01241798	rs72809455	C	A	-0.217	0.039	0.102	3.31E-08	0.004	0.004	0.318	0.008	30.500	TRUE	6.91E-08
FEV1FVC	GALNS	cg01241798	rs8050636	T	C	0.227	0.032	0.162	7.08E-13	-0.012	0.003	3.06E-04	0.014	51.493	TRUE	1.17E-11
FEV1FVC	GALNS	cg01686522	rs111616786	A	G	0.402	0.049	0.062	3.92E-16	0.008	0.005	0.097	0.018	66.240	TRUE	2.42E-15
FEV1FVC	GALNS	cg01686522	rs112999834	T	A	-0.662	0.041	0.100	2.31E-59	0.006	0.004	0.132	0.067	263.855	TRUE	1.79E-56
FEV1FVC	GALNS	cg01686522	rs11648295	T	G	-0.307	0.049	0.125	3.71E-10	0.000	0.004	0.944	0.010	39.239	TRUE	5.03E-10
FEV1FVC	GALNS	cg01686522	rs118132614	C	T	0.336	0.056	0.046	2.75E-09	0.006	0.005	0.232	0.009	35.334	TRUE	6.99E-09
FEV1FVC	GALNS	cg01686522	rs2242171	C	T	-0.197	0.024	0.397	1.26E-16	-0.007	0.003	0.003	0.018	68.476	TRUE	2.17E-15
FEV1FVC	GALNS	cg01686522	rs34060566	A	C	0.157	0.024	0.360	8.22E-11	0.006	0.003	0.033	0.011	42.182	TRUE	4.20E-10
FEV1FVC	GALNS	cg01686522	rs35137494	A	G	0.729	0.031	0.160	1.26E-122	0.005	0.003	0.153	0.130	554.301	TRUE	1.58E-114
FEV1FVC	GALNS	cg01686522	rs480474	C	T	-0.476	0.065	0.078	2.49E-13	0.006	0.005	0.218	0.014	53.542	TRUE	8.86E-13
FEV1FVC	GALNS	cg01686522	rs80304559	A	G	0.224	0.038	0.105	3.08E-09	0.000	0.004	0.932	0.009	35.114	TRUE	4.08E-09
FEV1FVC	GALNS	cg01686522	rs8058234	G	C	-0.202	0.024	0.374	7.65E-17	-0.006	0.003	0.025	0.018	69.460	TRUE	7.96E-16
FEV1FVC	GALNS	cg01686522	rs900729	C	G	0.161	0.029	0.218	1.96E-08	0.008	0.003	0.009	0.008	31.516	TRUE	9.72E-08
FEV1FVC	GALNS	cg02010324	rs77352724	G	C	-0.430	0.052	0.056	1.49E-16	0.006	0.005	0.228	0.018	68.151	TRUE	6.64E-16
FEV1FVC	GALNS	cg02669544	rs147197496	T	G	-1.349	0.135	0.017	1.66E-23	0.003	0.011	0.776	0.026	99.777	TRUE	5.61E-23
FEV1FVC	GALNS	cg02717656	rs12447646	A	G	-0.297	0.027	0.243	2.55E-27	0.004	0.003	0.194	0.031	117.170	TRUE	3.14E-26
FEV1FVC	GALNS	cg02724461	rs11640595	T	C	0.390	0.063	0.042	4.66E-10	0.005	0.007	0.501	0.010	38.794	TRUE	9.18E-10
FEV1FVC	GALNS	cg02724461	rs118132614	C	T	0.395	0.056	0.046	2.44E-12	0.006	0.005	0.232	0.013	49.066	TRUE	7.88E-12
FEV1FVC	GALNS	cg02724461	rs12934499	T	C	0.541	0.027	0.256	4.70E-91	0.003	0.003	0.273	0.100	409.281	TRUE	3.52E-86
FEV1FVC	GALNS	cg02724461	rs142277106	C	G	0.422	0.054	0.051	6.63E-15	0.009	0.005	0.101	0.016	60.673	TRUE	3.63E-14
FEV1FVC	GALNS	cg02724461	rs2306050	T	C	0.257	0.029	0.216	1.29E-18	0.000	0.003	0.981	0.021	77.509	TRUE	2.57E-18
FEV1FVC	GALNS	cg02724461	rs6500502	A	G	-0.131	0.023	0.488	1.68E-08	-0.006	0.002	0.021	0.009	31.815	TRUE	7.35E-08
FEV1FVC	GALNS	cg02724461	rs8050636	T	C	-0.208	0.032	0.162	4.88E-11	-0.012	0.003	3.06E-04	0.012	43.201	TRUE	6.14E-10

FEV1FVC	GALNS	cg04364752	rs3784883	T	C	0.276	0.027	0.257	2.12E-24	0.003	0.003	0.232	0.027	103.850	TRUE	1.87E-23
FEV1FVC	GALNS	cg04458924	rs113797435	T	G	0.413	0.054	0.054	2.56E-14	0.006	0.005	0.270	0.015	58.019	TRUE	8.88E-14
FEV1FVC	GALNS	cg04458924	rs141712769	C	T	0.430	0.062	0.040	5.27E-12	0.004	0.007	0.597	0.013	47.557	TRUE	1.06E-11
FEV1FVC	GALNS	cg04458924	rs144243016	G	A	0.387	0.054	0.051	5.71E-13	0.009	0.005	0.090	0.014	51.916	TRUE	2.69E-12
FEV1FVC	GALNS	cg04458924	rs2306050	T	C	0.158	0.029	0.216	4.30E-08	0.000	0.003	0.981	0.008	29.991	TRUE	5.33E-08
FEV1FVC	GALNS	cg04458924	rs3826066	C	T	0.483	0.024	0.362	2.80E-91	0.005	0.003	0.032	0.100	410.313	TRUE	1.59E-85
FEV1FVC	GALNS	cg04458924	rs4782336	C	A	0.143	0.023	0.457	9.93E-10	0.005	0.002	0.026	0.010	37.319	TRUE	4.78E-09
FEV1FVC	GALNS	cg04458924	rs77206885	G	A	0.262	0.046	0.068	1.83E-08	0.006	0.005	0.242	0.008	31.653	TRUE	4.26E-08
FEV1FVC	GALNS	cg04551282	rs12597726	A	G	0.142	0.026	0.307	3.92E-08	0.004	0.003	0.148	0.008	30.174	TRUE	1.04E-07
FEV1FVC	GALNS	cg04551282	rs142099589	A	C	0.574	0.075	0.027	2.28E-14	0.007	0.008	0.360	0.016	58.245	TRUE	6.95E-14
FEV1FVC	GALNS	cg04551282	rs2306050	T	C	0.258	0.029	0.216	8.99E-19	0.000	0.003	0.981	0.021	78.228	TRUE	1.80E-18
FEV1FVC	GALNS	cg04551282	rs3826070	G	C	0.493	0.024	0.361	2.69E-92	0.006	0.003	0.030	0.101	414.987	TRUE	2.02E-86
FEV1FVC	GALNS	cg04551282	rs4782336	C	A	0.140	0.024	0.457	4.19E-09	0.005	0.002	0.026	0.009	34.515	TRUE	1.88E-08
FEV1FVC	GALNS	cg04551282	rs6500517	C	A	0.373	0.053	0.059	2.40E-12	-0.004	0.006	0.480	0.013	49.101	TRUE	5.53E-12
FEV1FVC	GALNS	cg05256999	rs7188107	T	G	-0.182	0.025	0.316	6.11E-13	0.004	0.003	0.096	0.014	51.783	TRUE	2.88E-12
FEV1FVC	GALNS	cg05397122	rs117384401	A	G	-0.430	0.077	0.045	2.76E-08	0.007	0.006	0.228	0.008	30.851	TRUE	6.43E-08
FEV1FVC	GALNS	cg05397122	rs3743546	G	A	-0.291	0.026	0.309	4.15E-29	0.004	0.003	0.117	0.033	125.335	TRUE	8.33E-28
FEV1FVC	GALNS	cg05397122	rs563013384	T	C	-1.677	0.087	0.030	9.90E-83	0.004	0.007	0.568	0.091	371.069	TRUE	6.31E-79
FEV1FVC	GALNS	cg05943860	rs144243016	G	A	-0.456	0.054	0.051	4.47E-17	0.009	0.005	0.090	0.019	70.519	TRUE	3.08E-16
FEV1FVC	GALNS	cg05943860	rs2161730	G	A	-0.456	0.026	0.301	5.26E-71	0.004	0.003	0.099	0.079	317.259	TRUE	3.03E-67
FEV1FVC	GALNS	cg05943860	rs2306050	T	C	-0.221	0.029	0.216	3.81E-14	0.000	0.003	0.981	0.015	57.235	TRUE	6.04E-14
FEV1FVC	GALNS	cg05943860	rs516137	C	T	-0.185	0.032	0.173	7.76E-09	0.004	0.003	0.197	0.009	33.317	TRUE	1.98E-08
FEV1FVC	GALNS	cg05943860	rs753602	T	C	0.174	0.026	0.285	1.26E-11	-0.009	0.003	0.001	0.012	45.849	TRUE	1.43E-10
FEV1FVC	GALNS	cg05943860	rs77206885	G	A	-0.305	0.047	0.068	8.34E-11	0.006	0.005	0.242	0.011	42.155	TRUE	2.33E-10
FEV1FVC	GALNS	cg06062279	rs6500515	G	A	0.161	0.029	0.211	3.73E-08	0.003	0.003	0.355	0.008	30.271	TRUE	7.48E-08
FEV1FVC	GALNS	cg06062279	rs837763	C	T	0.139	0.024	0.445	3.79E-09	-0.001	0.002	0.762	0.009	34.708	TRUE	5.66E-09
FEV1FVC	GALNS	cg06526420	rs117742652	A	G	0.453	0.079	0.039	1.08E-08	0.006	0.006	0.327	0.009	32.680	TRUE	2.31E-08
FEV1FVC	GALNS	cg06526420	rs2306050	T	C	-0.184	0.029	0.216	2.83E-10	0.000	0.003	0.981	0.011	39.768	TRUE	3.80E-10
FEV1FVC	GALNS	cg06526420	rs4592657	G	A	-0.228	0.039	0.105	6.48E-09	0.002	0.004	0.572	0.009	33.666	TRUE	1.12E-08
FEV1FVC	GALNS	cg06526420	rs7499525	T	C	-0.175	0.028	0.239	3.11E-10	0.005	0.003	0.077	0.011	39.585	TRUE	1.20E-09
FEV1FVC	GALNS	cg06526420	rs8045567	A	G	0.137	0.024	0.401	9.95E-09	-0.001	0.003	0.559	0.009	32.833	TRUE	1.69E-08
FEV1FVC	GALNS	cg06526420	rs8054994	T	G	-0.375	0.026	0.288	1.78E-46	0.003	0.003	0.204	0.052	204.794	TRUE	1.69E-44
FEV1FVC	GALNS	cg06680609	rs147408884	T	C	-0.826	0.087	0.029	3.13E-21	0.003	0.007	0.649	0.024	89.408	TRUE	1.06E-20
FEV1FVC	GALNS	cg06941554	rs117577078	G	A	-1.098	0.087	0.031	2.77E-36	0.001	0.007	0.890	0.041	158.134	TRUE	2.16E-35
FEV1FVC	GALNS	cg06941554	rs12930286	T	C	0.185	0.025	0.333	2.14E-13	0.005	0.003	0.049	0.014	53.846	TRUE	1.27E-12
FEV1FVC	GALNS	cg06941554	rs148375912	A	G	0.533	0.095	0.018	2.40E-08	0.008	0.008	0.333	0.008	31.126	TRUE	4.96E-08
FEV1FVC	GALNS	cg07731312	rs3859025	T	C	0.195	0.024	0.366	1.29E-15	0.005	0.003	0.039	0.017	63.901	TRUE	1.04E-14
FEV1FVC	GALNS	cg07774081	rs11076715	T	C	0.404	0.027	0.272	5.23E-52	0.005	0.003	0.060	0.059	230.138	TRUE	2.34E-49
FEV1FVC	GALNS	cg07774081	rs147668693	A	G	0.316	0.056	0.049	1.48E-08	0.007	0.005	0.171	0.009	32.061	TRUE	3.88E-08
FEV1FVC	GALNS	cg07947266	rs1141390	G	A	-0.163	0.025	0.329	1.01E-10	0.006	0.003	0.015	0.011	41.785	TRUE	6.03E-10
FEV1FVC	GALNS	cg07947266	rs3759946	G	C	-0.436	0.054	0.055	9.60E-16	0.007	0.006	0.238	0.017	64.476	TRUE	3.98E-15
FEV1FVC	GALNS	cg08136432	rs1646239	G	C	0.235	0.040	0.203	4.03E-09	-0.001	0.003	0.733	0.009	34.592	TRUE	6.19E-09

FEV1FVC	GALNS	cg08136432	rs2879898	T	C	-0.157	0.025	0.352	2.58E-10	0.003	0.003	0.285	0.011	39.950	TRUE	6.57E-10
FEV1FVC	GALNS	cg08136432	rs3784879	C	G	-0.583	0.024	0.369	1.83E-131	0.005	0.003	0.051	0.139	594.904	TRUE	6.50E-122
FEV1FVC	GALNS	cg08136432	rs7194471	T	C	-0.445	0.065	0.061	5.43E-12	0.008	0.004	0.069	0.013	47.501	TRUE	2.54E-11
FEV1FVC	GALNS	cg08136432	rs78408219	A	T	-1.253	0.041	0.084	5.79E-205	0.005	0.004	0.264	0.201	932.752	TRUE	1.16E-186
FEV1FVC	GALNS	cg08136432	rs8050636	T	C	0.276	0.031	0.162	1.65E-18	-0.012	0.003	3.06E-04	0.020	77.032	TRUE	6.11E-17
FEV1FVC	GALNS	cg09308897	rs111504162	A	G	-0.278	0.037	0.119	3.73E-14	-0.010	0.004	0.005	0.015	57.273	TRUE	4.35E-13
FEV1FVC	GALNS	cg09308897	rs113096685	T	C	-0.281	0.047	0.069	2.18E-09	-0.011	0.005	0.022	0.010	35.783	TRUE	1.02E-08
FEV1FVC	GALNS	cg09308897	rs11640595	T	C	0.667	0.062	0.042	8.36E-27	0.005	0.007	0.501	0.030	114.818	TRUE	5.35E-26
FEV1FVC	GALNS	cg09308897	rs118132614	C	T	0.576	0.056	0.046	9.02E-25	0.006	0.005	0.232	0.028	105.544	TRUE	8.19E-24
FEV1FVC	GALNS	cg09308897	rs12444543	G	A	0.864	0.023	0.286	<1E-200	0.003	0.003	0.234	0.277	1417.445	TRUE	5.41E-273
FEV1FVC	GALNS	cg09308897	rs12444871	T	C	0.258	0.042	0.099	6.77E-10	-0.001	0.004	0.767	0.010	38.066	TRUE	1.05E-09
FEV1FVC	GALNS	cg09308897	rs146593560	G	T	-1.020	0.124	0.018	1.98E-16	-0.001	0.009	0.948	0.018	67.590	TRUE	3.60E-16
FEV1FVC	GALNS	cg09308897	rs147668693	A	G	0.769	0.056	0.049	2.00E-43	0.007	0.005	0.171	0.049	190.820	TRUE	1.53E-41
FEV1FVC	GALNS	cg09308897	rs2306050	T	C	0.392	0.029	0.216	1.41E-41	0.000	0.003	0.981	0.047	182.351	TRUE	1.58E-40
FEV1FVC	GALNS	cg09308897	rs2911268	A	G	0.269	0.030	0.189	7.71E-19	0.000	0.003	0.904	0.021	78.529	TRUE	1.69E-18
FEV1FVC	GALNS	cg09308897	rs34278797	A	G	0.662	0.109	0.025	1.06E-09	0.003	0.008	0.716	0.010	37.191	TRUE	1.69E-09
FEV1FVC	GALNS	cg09308897	rs34308486	C	A	0.201	0.026	0.316	4.03E-15	0.004	0.003	0.176	0.016	61.653	TRUE	1.80E-14
FEV1FVC	GALNS	cg09308897	rs507540	A	G	-0.241	0.034	0.319	1.29E-12	0.001	0.003	0.605	0.013	50.314	TRUE	2.70E-12
FEV1FVC	GALNS	cg09308897	rs533581	C	T	-0.258	0.024	0.398	1.31E-27	-0.003	0.003	0.192	0.031	118.486	TRUE	1.67E-26
FEV1FVC	GALNS	cg09308897	rs555812	G	T	-0.231	0.039	0.225	2.42E-09	-0.001	0.003	0.773	0.010	35.582	TRUE	3.64E-09
FEV1FVC	GALNS	cg09308897	rs56401214	G	A	-1.559	0.089	0.022	3.42E-68	-0.004	0.008	0.626	0.076	304.349	TRUE	1.84E-65
FEV1FVC	GALNS	cg09308897	rs62045845	G	T	-0.193	0.025	0.318	1.87E-14	-0.005	0.003	0.051	0.016	58.628	TRUE	1.20E-13
FEV1FVC	GALNS	cg09308897	rs71395331	G	C	0.537	0.087	0.035	8.00E-10	-0.009	0.006	0.158	0.010	37.741	TRUE	2.38E-09
FEV1FVC	GALNS	cg09308897	rs7199959	C	T	0.317	0.028	0.224	1.29E-29	0.005	0.003	0.092	0.033	127.657	TRUE	3.07E-28
FEV1FVC	GALNS	cg09308897	rs8048125	T	C	-0.187	0.025	0.308	1.84E-13	0.004	0.003	0.145	0.014	54.139	TRUE	7.75E-13
FEV1FVC	GALNS	cg09308897	rs8191469	T	G	-0.297	0.053	0.064	1.60E-08	0.006	0.005	0.264	0.009	31.907	TRUE	3.64E-08
FEV1FVC	GALNS	cg09807356	rs118132614	C	T	0.442	0.056	0.046	4.10E-15	0.006	0.005	0.232	0.016	61.618	TRUE	1.65E-14
FEV1FVC	GALNS	cg09807356	rs12597751	T	G	0.174	0.026	0.303	1.80E-11	0.004	0.003	0.155	0.012	45.157	TRUE	6.22E-11
FEV1FVC	GALNS	cg09807356	rs12934499	T	C	0.594	0.027	0.256	8.61E-111	0.003	0.003	0.273	0.119	499.927	TRUE	3.58E-104
FEV1FVC	GALNS	cg09807356	rs141712769	C	T	0.412	0.063	0.040	5.97E-11	0.004	0.007	0.597	0.011	42.808	TRUE	1.13E-10
FEV1FVC	GALNS	cg09807356	rs142277106	C	G	0.497	0.054	0.051	3.86E-20	0.009	0.005	0.101	0.022	84.447	TRUE	3.43E-19
FEV1FVC	GALNS	cg09807356	rs2306050	T	C	0.287	0.029	0.216	8.74E-23	0.000	0.003	0.981	0.025	96.490	TRUE	2.22E-22
FEV1FVC	GALNS	cg09807356	rs4782335	T	C	0.170	0.028	0.237	1.24E-09	0.005	0.003	0.092	0.010	36.891	TRUE	4.27E-09
FEV1FVC	GALNS	cg09807356	rs8049644	C	T	0.146	0.025	0.334	7.95E-09	0.005	0.003	0.055	0.009	33.268	TRUE	2.83E-08
FEV1FVC	GALNS	cg09807356	rs8050636	T	C	-0.222	0.032	0.162	2.21E-12	-0.012	0.003	3.06E-04	0.013	49.264	TRUE	3.40E-11
FEV1FVC	GALNS	cg16582469	rs112256026	T	C	-0.288	0.052	0.055	3.90E-08	-0.005	0.005	0.295	0.008	30.183	TRUE	8.36E-08
FEV1FVC	GALNS	cg16582469	rs11640595	T	C	0.873	0.062	0.042	3.10E-45	0.005	0.007	0.501	0.051	199.104	TRUE	1.18E-43
FEV1FVC	GALNS	cg16582469	rs11641448	C	T	-0.199	0.027	0.266	1.09E-13	-0.005	0.003	0.091	0.015	55.177	TRUE	5.53E-13
FEV1FVC	GALNS	cg16582469	rs118132614	C	T	0.693	0.056	0.046	2.43E-35	0.006	0.005	0.232	0.040	153.823	TRUE	6.14E-34
FEV1FVC	GALNS	cg16582469	rs2306050	T	C	0.418	0.029	0.216	2.97E-47	0.000	0.003	0.981	0.053	208.354	TRUE	5.84E-46
FEV1FVC	GALNS	cg16582469	rs258331	G	T	0.278	0.040	0.102	6.05E-12	0.000	0.004	0.930	0.013	47.287	TRUE	9.10E-12
FEV1FVC	GALNS	cg16582469	rs2911451	A	G	0.264	0.033	0.401	5.43E-16	-0.002	0.003	0.538	0.017	65.598	TRUE	1.46E-15

FEV1FVC	GALNS	cg16582469	rs34278797	A	G	0.954	0.108	0.025	9.87E-19	0.003	0.008	0.716	0.021	78.044	TRUE	2.60E-18
FEV1FVC	GALNS	cg16582469	rs35432452	G	C	0.321	0.034	0.141	3.79E-21	0.002	0.003	0.593	0.024	89.031	TRUE	1.36E-20
FEV1FVC	GALNS	cg16582469	rs4782335	T	C	0.312	0.028	0.237	3.79E-29	0.005	0.003	0.092	0.033	125.517	TRUE	8.59E-28
FEV1FVC	GALNS	cg16582469	rs507540	A	G	-0.272	0.034	0.319	1.13E-15	0.001	0.003	0.605	0.017	64.163	TRUE	2.84E-15
FEV1FVC	GALNS	cg16582469	rs555812	G	T	-0.226	0.039	0.225	5.16E-09	-0.001	0.003	0.773	0.009	34.109	TRUE	7.65E-09
FEV1FVC	GALNS	cg16582469	rs559187	T	C	-0.293	0.044	0.164	2.17E-11	0.003	0.003	0.343	0.012	44.786	TRUE	5.48E-11
FEV1FVC	GALNS	cg16582469	rs62047770	A	C	-0.247	0.025	0.321	5.16E-23	-0.005	0.003	0.038	0.026	97.534	TRUE	9.00E-22
FEV1FVC	GALNS	cg16582469	rs71395331	G	C	0.560	0.087	0.035	1.34E-10	-0.009	0.006	0.158	0.011	41.220	TRUE	4.27E-10
FEV1FVC	GALNS	cg16582469	rs71395333	T	C	0.853	0.052	0.092	1.71E-59	0.002	0.004	0.653	0.067	264.457	TRUE	2.57E-57
FEV1FVC	GALNS	cg16582469	rs7198060	C	T	0.173	0.028	0.242	4.79E-10	0.005	0.003	0.062	0.010	38.742	TRUE	1.94E-09
FEV1FVC	GALNS	cg16582469	rs725332	T	C	-0.234	0.039	0.099	1.30E-09	-0.006	0.004	0.161	0.010	36.787	TRUE	3.80E-09
FEV1FVC	GALNS	cg16582469	rs76098020	A	G	-0.332	0.053	0.055	4.79E-10	0.006	0.005	0.217	0.010	38.741	TRUE	1.31E-09
FEV1FVC	GALNS	cg16582469	rs8049644	C	T	0.227	0.025	0.334	1.95E-19	0.005	0.003	0.055	0.021	81.244	TRUE	1.99E-18
FEV1FVC	GALNS	cg16582469	rs8050636	T	C	-0.411	0.031	0.162	1.92E-39	-0.012	0.003	3.06E-04	0.045	172.585	TRUE	1.38E-36
FEV1FVC	GALNS	cg16582469	rs8191463	C	T	0.965	0.023	0.256	<1E-200	0.005	0.003	0.067	0.319	1732.568	TRUE	<1E-200
FEV1FVC	GALNS	cg16688112	rs28656031	G	A	-0.161	0.025	0.345	1.61E-10	0.005	0.003	0.046	0.011	40.873	TRUE	7.11E-10
FEV1FVC	GALNS	cg16688112	rs8059583	T	C	-0.669	0.085	0.027	3.26E-15	0.006	0.008	0.445	0.017	62.070	TRUE	9.44E-15
FEV1FVC	GALNS	cg16802439	rs3889834	C	T	0.168	0.027	0.262	3.53E-10	0.003	0.003	0.287	0.011	39.338	TRUE	8.85E-10
FEV1FVC	GALNS	cg20364025	rs12597726	A	G	0.150	0.026	0.307	6.70E-09	0.004	0.003	0.148	0.009	33.603	TRUE	1.90E-08
FEV1FVC	GALNS	cg20364025	rs13337256	G	A	0.378	0.027	0.259	1.05E-44	0.003	0.003	0.274	0.050	196.674	TRUE	6.62E-43
FEV1FVC	GALNS	cg20364025	rs140355859	T	C	0.335	0.055	0.051	8.41E-10	0.006	0.005	0.235	0.010	37.643	TRUE	2.20E-09
FEV1FVC	GALNS	cg20364025	rs2306050	T	C	0.184	0.029	0.216	3.34E-10	0.000	0.003	0.981	0.011	39.443	TRUE	4.48E-10
FEV1FVC	GALNS	cg26817641	rs1141390	G	A	-0.925	0.021	0.329	<1E-200	0.006	0.003	0.015	0.351	2002.328	TRUE	<1E-200
FEV1FVC	GALNS	cg26817641	rs11640595	T	C	-0.768	0.062	0.042	3.45E-35	0.005	0.007	0.501	0.040	153.123	TRUE	4.65E-34
FEV1FVC	GALNS	cg26817641	rs11641448	C	T	0.150	0.027	0.266	2.26E-08	-0.005	0.003	0.091	0.008	31.242	TRUE	6.96E-08
FEV1FVC	GALNS	cg26817641	rs116971855	G	T	0.430	0.074	0.023	5.41E-09	-0.002	0.008	0.799	0.009	34.018	TRUE	7.84E-09
FEV1FVC	GALNS	cg26817641	rs118132614	C	T	-0.600	0.056	0.046	8.69E-27	0.006	0.005	0.232	0.030	114.742	TRUE	9.48E-26
FEV1FVC	GALNS	cg26817641	rs144243016	G	A	-0.800	0.054	0.051	9.05E-50	0.009	0.005	0.090	0.056	219.881	TRUE	2.34E-47
FEV1FVC	GALNS	cg26817641	rs2306050	T	C	-0.389	0.029	0.216	4.61E-41	0.000	0.003	0.981	0.046	180.000	TRUE	4.90E-40
FEV1FVC	GALNS	cg26817641	rs258331	G	T	-0.227	0.040	0.102	1.91E-08	0.000	0.004	0.930	0.008	31.569	TRUE	2.48E-08
FEV1FVC	GALNS	cg26817641	rs34060566	A	C	0.140	0.024	0.360	6.12E-09	0.006	0.003	0.033	0.009	33.777	TRUE	2.55E-08
FEV1FVC	GALNS	cg26817641	rs34278797	A	G	-0.884	0.108	0.025	2.91E-16	0.003	0.008	0.716	0.018	66.830	TRUE	6.61E-16
FEV1FVC	GALNS	cg26817641	rs34387772	T	C	0.152	0.026	0.271	3.80E-09	-0.004	0.003	0.119	0.009	34.705	TRUE	1.16E-08
FEV1FVC	GALNS	cg26817641	rs35432452	G	C	-0.238	0.034	0.141	2.94E-12	0.002	0.003	0.593	0.013	48.704	TRUE	5.98E-12
FEV1FVC	GALNS	cg26817641	rs3743548	G	C	-0.720	0.055	0.055	2.86E-39	0.008	0.005	0.157	0.044	171.797	TRUE	1.41E-37
FEV1FVC	GALNS	cg26817641	rs4782509	T	C	0.186	0.024	0.379	1.20E-14	-0.008	0.003	9.31E-04	0.016	59.497	TRUE	2.09E-13
FEV1FVC	GALNS	cg26817641	rs550269	T	C	0.362	0.044	0.163	1.12E-16	0.005	0.003	0.163	0.018	68.708	TRUE	5.86E-16
FEV1FVC	GALNS	cg26817641	rs62047770	A	C	0.236	0.025	0.321	3.86E-21	-0.005	0.003	0.038	0.023	88.997	TRUE	5.52E-20
FEV1FVC	GALNS	cg26817641	rs71395331	G	C	-0.745	0.087	0.035	9.09E-18	-0.009	0.006	0.158	0.020	73.661	TRUE	5.31E-17
FEV1FVC	GALNS	cg26817641	rs7188277	C	T	-0.193	0.031	0.181	3.78E-10	0.001	0.003	0.835	0.010	39.201	TRUE	5.66E-10
FEV1FVC	GALNS	cg26817641	rs7499525	T	C	-0.296	0.028	0.239	1.41E-26	0.005	0.003	0.077	0.030	113.783	TRUE	2.70E-25
FEV1FVC	GALNS	cg26817641	rs8048125	T	C	0.156	0.025	0.308	8.42E-10	0.004	0.003	0.145	0.010	37.640	TRUE	2.59E-09

FEV1FVC	GALNS	cg26817641	rs8049644	C	T	-0.227	0.025	0.334	2.06E-19	0.005	0.003	0.055	0.021	81.133	TRUE	2.10E-18
FEV1FVC	GALNS	cg26817641	rs8050636	T	C	0.385	0.031	0.162	1.26E-34	-0.012	0.003	3.06E-04	0.039	150.556	TRUE	4.47E-32
FEV1FVC	GALNS	cg26817641	rs897958	G	A	-0.502	0.041	0.287	7.36E-35	0.001	0.003	0.587	0.039	151.622	TRUE	7.93E-34
FEV1FVC	GALNS	cg26817641	rs9939260	G	C	0.175	0.029	0.193	1.09E-09	-0.001	0.003	0.818	0.010	37.128	TRUE	1.62E-09
FEV1FVC	GATA2	cg00241663	rs2253720	T	C	-0.144	0.023	0.458	7.96E-10	-0.006	0.003	0.015	0.010	37.750	TRUE	4.23E-09
FEV1FVC	GATA2	cg00241663	rs62270949	T	C	-0.383	0.062	0.036	9.03E-10	-0.021	0.006	8.38E-04	0.010	37.503	TRUE	8.10E-09
FEV1FVC	GATA2	cg03839949	rs12494136	C	T	-0.166	0.026	0.277	3.84E-10	-0.007	0.003	0.007	0.010	39.172	TRUE	2.48E-09
FEV1FVC	GATA2	cg03839949	rs2713576	A	G	-0.170	0.024	0.422	9.43E-13	-0.004	0.002	0.082	0.014	50.933	TRUE	4.54E-12
FEV1FVC	GATA2	cg03839949	rs73203424	T	C	-0.613	0.063	0.036	3.29E-22	-0.021	0.006	9.72E-04	0.025	93.869	TRUE	1.62E-20
FEV1FVC	GATA2	cg04535236	rs115516304	A	G	0.539	0.076	0.026	1.32E-12	-0.009	0.007	0.213	0.013	50.269	TRUE	4.48E-12
FEV1FVC	GATA2	cg04535236	rs11713343	A	G	0.246	0.042	0.187	5.82E-09	0.000	0.003	0.907	0.009	33.876	TRUE	7.87E-09
FEV1FVC	GATA2	cg04535236	rs2659699	T	C	-0.342	0.024	0.383	7.10E-46	0.008	0.003	0.002	0.052	202.038	TRUE	6.35E-43
FEV1FVC	GATA2	cg04535236	rs2811402	G	T	-0.149	0.024	0.459	2.83E-10	0.005	0.002	0.027	0.011	39.767	TRUE	1.41E-09
FEV1FVC	GATA2	cg04535236	rs55683935	G	T	0.671	0.070	0.034	1.22E-21	0.021	0.006	7.86E-04	0.024	91.272	TRUE	5.87E-20
FEV1FVC	GATA2	cg04535236	rs55686439	A	C	0.748	0.029	0.202	6.30E-147	0.003	0.003	0.317	0.153	665.962	TRUE	1.41E-136
FEV1FVC	GATA2	cg04535236	rs56165381	G	A	-0.219	0.024	0.379	1.06E-19	-0.001	0.003	0.839	0.022	82.441	TRUE	2.60E-19
FEV1FVC	GATA2	cg04535236	rs6439140	T	C	0.240	0.025	0.316	3.15E-21	0.001	0.003	0.774	0.024	89.396	TRUE	9.01E-21
FEV1FVC	GATA2	cg04535236	rs72983369	A	G	0.465	0.082	0.023	1.49E-08	0.006	0.008	0.485	0.009	32.048	TRUE	2.71E-08
FEV1FVC	GATA2	cg04535236	rs78195106	T	A	0.392	0.064	0.040	8.26E-10	-0.004	0.006	0.540	0.010	37.676	TRUE	1.53E-09
FEV1FVC	GATA2	cg04535236	rs9819632	T	C	-0.239	0.042	0.082	1.20E-08	-0.004	0.004	0.405	0.009	32.472	TRUE	2.36E-08
FEV1FVC	GATA2	cg04535236	rs9854897	C	A	-0.246	0.030	0.199	1.31E-16	-0.006	0.006	0.328	0.018	68.407	TRUE	4.96E-16
FEV1FVC	GATA2	cg06796779	rs7620408	T	C	-0.198	0.033	0.141	2.63E-09	-0.008	0.003	0.023	0.009	35.425	TRUE	1.22E-08
FEV1FVC	GATA2	cg07195926	rs7629791	A	G	-0.130	0.023	0.474	2.08E-08	-0.003	0.002	0.183	0.008	31.404	TRUE	5.27E-08
FEV1FVC	GATA2	cg07841173	rs2713594	A	G	-0.306	0.023	0.419	9.67E-39	-0.004	0.002	0.076	0.044	169.376	TRUE	7.20E-37
FEV1FVC	GATA2	cg07841173	rs2713599	A	C	0.136	0.024	0.443	8.01E-09	0.001	0.002	0.709	0.009	33.255	TRUE	1.23E-08
FEV1FVC	GATA2	cg07841173	rs2981027	T	A	-0.241	0.043	0.160	1.96E-08	-0.008	0.003	0.017	0.008	31.513	TRUE	8.65E-08
FEV1FVC	GATA2	cg07841173	rs34870876	G	C	0.351	0.050	0.061	2.49E-12	0.016	0.005	0.001	0.013	49.030	TRUE	3.15E-11
FEV1FVC	GATA2	cg07841173	rs72987210	T	C	-0.193	0.027	0.250	2.02E-12	-0.007	0.003	0.016	0.013	49.438	TRUE	1.44E-11
FEV1FVC	GATA2	cg07841173	rs73203424	T	C	-1.101	0.062	0.036	1.19E-69	-0.021	0.006	9.72E-04	0.078	311.042	TRUE	8.43E-65
FEV1FVC	GATA2	cg07841173	rs73862214	G	T	0.490	0.084	0.023	4.96E-09	0.006	0.008	0.474	0.009	34.185	TRUE	9.35E-09
FEV1FVC	GATA2	cg13483882	rs4857909	A	G	0.212	0.037	0.113	8.82E-09	-0.006	0.004	0.128	0.009	33.068	TRUE	2.55E-08
FEV1FVC	GATA2	cg13483882	rs62270949	T	C	-0.406	0.063	0.036	1.01E-10	-0.021	0.006	8.38E-04	0.011	41.773	TRUE	1.05E-09
FEV1FVC	GATA2	cg13483882	rs7433900	A	G	0.226	0.030	0.194	2.79E-14	-0.008	0.003	0.005	0.015	57.843	TRUE	3.21E-13
FEV1FVC	GATA2	cg13483882	rs7629791	A	G	-0.322	0.023	0.474	4.05E-43	-0.003	0.002	0.183	0.049	189.416	TRUE	2.84E-41
FEV1FVC	GATA2	cg15038286	rs115516304	A	G	0.590	0.076	0.026	8.38E-15	-0.009	0.007	0.213	0.016	60.211	TRUE	3.39E-14
FEV1FVC	GATA2	cg15038286	rs2335660	T	G	0.298	0.025	0.337	2.09E-32	-0.007	0.003	0.007	0.037	140.406	TRUE	2.10E-30
FEV1FVC	GATA2	cg15038286	rs2811366	G	T	0.130	0.024	0.442	4.21E-08	-0.004	0.002	0.112	0.008	30.032	TRUE	1.19E-07
FEV1FVC	GATA2	cg15038286	rs3935016	T	C	0.260	0.025	0.318	7.77E-25	0.001	0.003	0.853	0.028	105.839	TRUE	2.63E-24
FEV1FVC	GATA2	cg15038286	rs55683935	G	T	0.585	0.070	0.034	9.37E-17	0.021	0.006	7.86E-04	0.018	69.060	TRUE	2.33E-15
FEV1FVC	GATA2	cg15038286	rs55686439	A	C	0.752	0.029	0.202	2.10E-148	0.003	0.003	0.317	0.154	672.748	TRUE	7.01E-138
FEV1FVC	GATA2	cg15038286	rs56165381	G	A	-0.228	0.024	0.379	3.48E-21	-0.001	0.003	0.839	0.024	89.200	TRUE	9.33E-21
FEV1FVC	GATA2	cg15038286	rs72983369	A	G	0.492	0.082	0.023	2.06E-09	0.006	0.008	0.485	0.010	35.895	TRUE	3.95E-09

FEV1FVC	GATA2	cg15038286	rs7627162	A	G	-0.203	0.035	0.121	9.03E-09	-0.003	0.004	0.425	0.009	33.022	TRUE	1.74E-08
FEV1FVC	GATA2	cg15038286	rs7629791	A	G	0.343	0.023	0.474	8.52E-49	-0.003	0.002	0.183	0.055	215.418	TRUE	1.20E-46
FEV1FVC	GATA2	cg15038286	rs78195106	T	A	0.420	0.064	0.040	4.60E-11	-0.004	0.006	0.540	0.012	43.317	TRUE	9.17E-11
FEV1FVC	GATA2	cg15038286	rs9854897	C	A	-0.223	0.030	0.199	5.58E-14	-0.006	0.006	0.328	0.015	56.484	TRUE	1.75E-13
FEV1FVC	GATA2	cg19638477	rs7629791	A	G	-0.143	0.024	0.474	1.38E-09	-0.003	0.002	0.183	0.010	36.681	TRUE	3.85E-09
FEV1FVC	GATA2	cg22801992	rs2713576	A	G	-0.228	0.024	0.422	6.44E-22	-0.004	0.002	0.082	0.024	92.540	TRUE	7.44E-21
FEV1FVC	GATA2	cg22801992	rs7611275	G	C	-0.428	0.064	0.035	2.36E-11	-0.021	0.006	8.51E-04	0.012	44.625	TRUE	2.64E-10
FEV1FVC	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	-0.003	0.003	0.208	0.009	33.308	TRUE	1.98E-08
FEV1FVC	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	-0.012	0.004	0.007	0.008	30.032	TRUE	2.15E-07
FEV1FVC	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	-0.005	0.003	0.049	0.009	32.422	TRUE	4.48E-08
FEV1FVC	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	-0.018	0.007	0.014	0.011	42.684	TRUE	3.98E-10
FEV1FVC	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	0.011	0.002	6.84E-06	0.013	48.719	TRUE	7.56E-11
FEV1FVC	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	-0.013	0.004	0.001	0.073	291.545	TRUE	6.24E-61
FEV1FVC	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	-0.006	0.008	0.455	0.010	36.633	TRUE	2.81E-09
FEV1FVC	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	0.008	0.003	0.004	0.010	36.929	TRUE	8.18E-09
FEV1FVC	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	-0.006	0.003	0.062	0.010	37.019	TRUE	4.36E-09
FEV1FVC	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	-0.014	0.002	1.10E-08	0.008	30.384	TRUE	7.96E-07
FEV1FVC	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	-0.007	0.004	0.077	0.009	35.350	TRUE	9.47E-09
FEV1FVC	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	0.002	0.003	0.535	0.073	293.103	TRUE	4.73E-63
FEV1FVC	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	0.003	0.003	0.338	0.012	46.222	TRUE	2.74E-11
FEV1FVC	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	-0.006	0.003	0.017	0.020	73.634	TRUE	1.24E-16
FEV1FVC	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	-0.005	0.003	0.098	0.021	81.272	TRUE	1.63E-18
FEV1FVC	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	0.009	0.003	7.33E-04	0.024	92.119	TRUE	4.03E-20
FEV1FVC	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	-0.003	0.003	0.185	0.017	65.797	TRUE	2.29E-15
FEV1FVC	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	-0.011	0.004	0.013	0.012	44.362	TRUE	1.79E-10
FEV1FVC	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	-0.006	0.002	0.010	0.017	64.427	TRUE	1.14E-14
FEV1FVC	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	0.004	0.003	0.104	0.013	49.592	TRUE	7.91E-12
FEV1FVC	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	-0.012	0.004	0.006	0.010	35.790	TRUE	1.34E-08
FEV1FVC	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	-0.007	0.003	0.041	0.019	71.662	TRUE	2.38E-16
FEV1FVC	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	0.010	0.003	0.001	0.011	40.186	TRUE	2.17E-09
FEV1FVC	GATA4	cg12395012	rs11250153	C	G	-0.348	0.026	0.376	6.38E-41	-0.008	0.003	0.001	0.046	179.356	TRUE	3.59E-38
FEV1FVC	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	0.012	0.002	8.45E-07	0.093	378.746	TRUE	5.14E-77
FEV1FVC	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	-0.005	0.003	0.049	0.016	60.757	TRUE	4.39E-14
FEV1FVC	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	0.002	0.002	0.309	0.030	115.655	TRUE	4.93E-26
FEV1FVC	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	0.008	0.003	0.007	0.037	144.038	TRUE	3.75E-31
FEV1FVC	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	-0.006	0.003	0.045	0.060	236.695	TRUE	1.30E-50
FEV1FVC	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	-0.003	0.003	0.208	0.012	43.068	TRUE	1.58E-10
FEV1FVC	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	0.009	0.003	0.001	0.036	139.849	TRUE	5.11E-30
FEV1FVC	GATA4	cg12395012	rs17796285	C	G	0.256	0.026	0.373	1.70E-23	0.010	0.003	5.97E-05	0.026	99.728	TRUE	1.73E-21
FEV1FVC	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	-0.007	0.003	0.011	0.034	129.571	TRUE	3.02E-28
FEV1FVC	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	0.003	0.002	0.212	0.012	45.010	TRUE	5.98E-11
FEV1FVC	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	-0.009	0.003	0.004	0.022	82.740	TRUE	2.24E-18

FEV1FVC	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	-0.008	0.003	0.002	0.023	88.204	TRUE	2.25E-19
FEV1FVC	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	0.007	0.002	0.002	0.378	2251.154	TRUE	<1E-200
FEV1FVC	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	-0.005	0.008	0.510	0.008	30.198	TRUE	6.70E-08
FEV1FVC	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	-0.010	0.004	0.017	0.016	58.439	TRUE	1.82E-13
FEV1FVC	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	-0.005	0.002	0.023	0.020	74.471	TRUE	7.12E-17
FEV1FVC	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.001	0.004	0.877	0.011	39.772	TRUE	4.11E-10
FEV1FVC	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	-0.008	0.003	0.009	0.026	99.007	TRUE	7.43E-22
FEV1FVC	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	0.006	0.005	0.241	0.018	66.474	TRUE	1.48E-15
FEV1FVC	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	-0.013	0.005	0.007	0.014	50.905	TRUE	8.67E-12
FEV1FVC	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.001	0.004	0.829	0.015	57.079	TRUE	7.43E-14
FEV1FVC	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	-0.008	0.006	0.201	0.011	40.146	TRUE	6.74E-10
FEV1FVC	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.004	0.003	0.286	0.018	69.634	TRUE	2.89E-16
FEV1FVC	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	0.009	0.002	4.12E-04	0.013	48.249	TRUE	5.55E-11
FEV1FVC	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	-0.004	0.003	0.236	0.014	52.642	TRUE	1.34E-12
FEV1FVC	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	-0.005	0.003	0.098	0.037	142.044	TRUE	2.98E-31
FEV1FVC	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	0.010	0.003	0.002	0.039	152.064	TRUE	1.36E-32
FEV1FVC	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.000	0.003	0.980	0.009	32.887	TRUE	1.23E-08
FEV1FVC	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	0.005	0.005	0.240	0.008	30.231	TRUE	8.67E-08
FEV1FVC	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	0.004	0.003	0.130	0.055	213.953	TRUE	3.09E-46
FEV1FVC	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	0.009	0.003	0.003	0.010	38.537	TRUE	4.09E-09
FEV1FVC	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	-0.011	0.003	2.19E-05	0.013	48.501	TRUE	7.30E-11
FEV1FVC	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	0.007	0.003	0.005	0.037	141.186	TRUE	1.47E-30
FEV1FVC	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	0.011	0.002	2.56E-06	0.017	64.131	TRUE	6.34E-14
FEV1FVC	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	-0.003	0.006	0.677	0.009	34.801	TRUE	5.83E-09
FEV1FVC	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	0.000	0.005	0.991	0.009	32.326	TRUE	1.62E-08
FEV1FVC	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	-0.006	0.003	0.019	0.055	216.699	TRUE	2.63E-46
FEV1FVC	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	-0.003	0.005	0.626	0.008	29.788	TRUE	7.50E-08
FEV1FVC	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	0.013	0.003	1.77E-05	0.012	45.412	TRUE	3.39E-10
FEV1FVC	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	-0.002	0.005	0.668	0.023	86.920	TRUE	3.53E-20
FEV1FVC	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	0.020	0.008	0.014	0.018	69.543	TRUE	9.15E-16
FEV1FVC	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	-0.005	0.003	0.035	0.011	42.187	TRUE	4.12E-10
FEV1FVC	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	-0.006	0.003	0.072	0.013	49.055	TRUE	1.20E-11
FEV1FVC	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	-0.003	0.004	0.416	0.023	85.330	TRUE	1.06E-19
FEV1FVC	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	0.012	0.003	4.21E-06	0.013	48.665	TRUE	8.71E-11
FEV1FVC	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	-0.009	0.004	0.024	0.010	35.815	TRUE	1.00E-08
FEV1FVC	GATA4	cg13293535	rs17808884	C	A	-0.184	0.032	0.182	1.11E-08	-0.007	0.003	0.023	0.009	32.618	TRUE	4.85E-08
FEV1FVC	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	0.009	0.002	1.59E-04	0.012	45.548	TRUE	2.35E-10
FEV1FVC	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	0.009	0.003	0.003	0.009	34.592	TRUE	2.74E-08
FEV1FVC	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	0.006	0.003	0.020	0.014	52.700	TRUE	2.90E-12
FEV1FVC	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	-0.010	0.003	3.89E-04	0.011	41.898	TRUE	1.13E-09
FEV1FVC	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	-0.008	0.003	0.002	0.013	50.455	TRUE	1.43E-11
FEV1FVC	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	0.001	0.004	0.831	0.009	32.861	TRUE	1.37E-08

FEV1FVC	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	-0.006	0.002	0.010	0.100	412.571	TRUE	1.16E-85
FEV1FVC	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	0.004	0.003	0.104	0.017	62.753	TRUE	1.27E-14
FEV1FVC	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	0.013	0.003	4.17E-06	0.009	34.832	TRUE	6.02E-08
FEV1FVC	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	0.008	0.003	0.023	0.008	30.565	TRUE	1.31E-07
FEV1FVC	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	-0.010	0.005	0.026	0.023	85.529	TRUE	3.28E-19
FEV1FVC	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	0.007	0.003	0.005	0.008	31.710	TRUE	9.54E-08
FEV1FVC	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	-0.012	0.005	0.009	0.017	62.917	TRUE	2.46E-14
FEV1FVC	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	-0.008	0.003	0.003	0.010	38.618	TRUE	3.93E-09
FEV1FVC	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	0.009	0.003	8.23E-04	0.019	70.206	TRUE	1.34E-15
FEV1FVC	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	-0.007	0.004	0.055	0.010	36.804	TRUE	5.07E-09
FEV1FVC	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	-0.005	0.003	0.056	0.136	581.132	TRUE	2.53E-119
FEV1FVC	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	-0.004	0.003	0.182	0.029	109.872	TRUE	1.12E-24
FEV1FVC	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	-0.005	0.003	0.049	0.010	37.048	TRUE	4.63E-09
FEV1FVC	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	0.005	0.003	0.071	0.020	73.921	TRUE	6.30E-17
FEV1FVC	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	0.013	0.003	4.17E-07	0.015	57.528	TRUE	1.92E-12
FEV1FVC	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	-0.009	0.002	2.63E-04	0.010	37.183	TRUE	1.12E-08
FEV1FVC	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	0.006	0.003	0.024	0.019	70.635	TRUE	4.55E-16
FEV1FVC	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	0.013	0.003	1.71E-07	0.034	131.650	TRUE	1.79E-27
FEV1FVC	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	0.010	0.003	0.002	0.011	40.029	TRUE	2.19E-09
FEV1FVC	GATA4	cg16810626	rs17808884	C	A	0.247	0.032	0.182	1.51E-14	-0.007	0.003	0.023	0.016	59.058	TRUE	1.27E-13
FEV1FVC	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	0.002	0.003	0.436	0.008	29.970	TRUE	8.00E-08
FEV1FVC	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	-0.005	0.003	0.037	0.013	50.398	TRUE	7.35E-12
FEV1FVC	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	-0.004	0.003	0.151	0.016	60.009	TRUE	4.27E-14
FEV1FVC	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	-0.006	0.003	0.017	0.026	98.171	TRUE	8.69E-22
FEV1FVC	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	-0.010	0.003	3.89E-04	0.010	36.247	TRUE	1.68E-08
FEV1FVC	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	-0.007	0.004	0.038	0.011	40.016	TRUE	1.16E-09
FEV1FVC	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	0.010	0.003	4.39E-04	0.012	44.473	TRUE	3.19E-10
FEV1FVC	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	0.005	0.002	0.048	0.013	46.883	TRUE	3.76E-11
FEV1FVC	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	0.012	0.003	3.58E-06	0.018	68.221	TRUE	9.65E-15
FEV1FVC	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	0.009	0.003	0.001	0.027	100.891	TRUE	5.22E-22
FEV1FVC	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	0.004	0.003	0.168	0.015	57.157	TRUE	1.66E-13
FEV1FVC	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	-0.003	0.003	0.185	0.024	91.679	TRUE	7.56E-21
FEV1FVC	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	-0.012	0.004	0.007	0.009	33.368	TRUE	4.26E-08
FEV1FVC	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	-0.007	0.003	0.041	0.033	127.799	TRUE	4.24E-28
FEV1FVC	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	0.012	0.003	2.00E-06	0.016	58.439	TRUE	9.29E-13
FEV1FVC	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	-0.012	0.004	0.004	0.017	63.574	TRUE	2.21E-14
FEV1FVC	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	-0.006	0.003	0.013	0.010	38.738	TRUE	2.68E-09
FEV1FVC	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	-0.013	0.004	0.002	0.025	93.890	TRUE	1.34E-20
FEV1FVC	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	0.024	0.008	0.002	0.008	31.014	TRUE	1.67E-07
FEV1FVC	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	-0.007	0.004	0.062	0.015	56.164	TRUE	3.90E-13
FEV1FVC	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	0.016	0.005	6.30E-04	0.012	43.321	TRUE	5.32E-10
FEV1FVC	GATA4	cg23916205	rs11250153	C	G	-0.205	0.026	0.376	5.34E-15	-0.008	0.003	0.001	0.016	61.098	TRUE	9.19E-14

FEV1FVC	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	-0.002	0.002	0.342	0.009	34.839	TRUE	7.75E-09
FEV1FVC	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	-0.008	0.004	0.054	0.023	85.679	TRUE	2.41E-19
FEV1FVC	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	0.004	0.003	0.134	0.008	29.771	TRUE	1.29E-07
FEV1FVC	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	0.002	0.004	0.604	0.023	87.462	TRUE	2.94E-20
FEV1FVC	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	-0.015	0.005	0.002	0.015	57.334	TRUE	5.30E-13
FEV1FVC	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	0.001	0.003	0.732	0.011	40.308	TRUE	3.53E-10
FEV1FVC	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	0.019	0.003	1.46E-12	0.008	30.269	TRUE	1.63E-06
FEV1FVC	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	0.003	0.003	0.193	0.009	33.868	TRUE	1.54E-08
FEV1FVC	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	0.004	0.003	0.130	0.020	75.680	TRUE	2.18E-17
FEV1FVC	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	0.007	0.002	0.002	0.118	496.104	TRUE	1.01E-101
FEV1FVC	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	-0.005	0.003	0.109	0.013	48.672	TRUE	1.24E-11
FEV1FVC	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	-0.009	0.003	6.20E-04	0.014	51.402	TRUE	1.12E-11
FEV1FVC	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	-0.007	0.002	0.003	0.034	131.293	TRUE	2.08E-28
FEV1FVC	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	0.005	0.003	0.119	0.010	37.232	TRUE	3.33E-09
FEV1FVC	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	0.011	0.003	2.17E-05	0.012	45.839	TRUE	2.55E-10
FEV1FVC	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	0.003	0.003	0.238	0.009	34.224	TRUE	1.20E-08
FEV1FVC	GATA4	cg23972785	rs12156238	C	G	0.270	0.048	0.179	2.18E-08	0.004	0.003	0.223	0.008	31.308	TRUE	5.22E-08
FEV1FVC	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	0.003	0.003	0.316	0.009	32.265	TRUE	2.86E-08
FEV1FVC	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	0.005	0.002	0.055	0.014	51.868	TRUE	3.31E-12
FEV1FVC	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	-0.009	0.003	5.72E-04	0.014	52.429	TRUE	7.15E-12
FEV1FVC	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	-0.002	0.003	0.431	0.011	39.564	TRUE	6.72E-10
FEV1FVC	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	0.010	0.005	0.034	0.009	33.664	TRUE	2.69E-08
FEV1FVC	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	-0.006	0.003	0.062	0.013	49.878	TRUE	8.03E-12
FEV1FVC	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	0.002	0.003	0.535	0.099	407.818	TRUE	2.86E-86
FEV1FVC	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	0.012	0.007	0.077	0.016	60.509	TRUE	4.26E-14
FEV1FVC	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	0.003	0.003	0.338	0.021	80.057	TRUE	1.62E-18
FEV1FVC	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	-0.005	0.003	0.084	0.008	30.569	TRUE	9.81E-08
FEV1FVC	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	-0.006	0.003	0.017	0.021	77.680	TRUE	1.77E-17
FEV1FVC	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	-0.005	0.003	0.098	0.023	87.101	TRUE	9.62E-20
FEV1FVC	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	0.012	0.002	9.44E-07	0.010	35.513	TRUE	5.23E-08
FEV1FVC	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	0.009	0.003	7.33E-04	0.035	134.159	TRUE	8.64E-29
FEV1FVC	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	-0.003	0.003	0.195	0.029	109.329	TRUE	1.44E-24
FEV1FVC	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	0.008	0.003	0.002	0.009	34.283	TRUE	3.18E-08
FEV1FVC	GDNF	cg00712841	rs115383385	T	C	-0.588	0.093	0.018	3.06E-10	0.001	0.009	0.913	0.011	39.616	TRUE	4.30E-10
FEV1FVC	GDNF	cg00712841	rs4533915	A	G	-0.168	0.030	0.194	1.91E-08	0.001	0.003	0.825	0.008	31.569	TRUE	2.67E-08
FEV1FVC	GDNF	cg00712841	rs45455796	C	T	-0.769	0.076	0.028	2.31E-24	0.004	0.007	0.576	0.027	103.682	TRUE	1.08E-23
FEV1FVC	GDNF	cg02331025	rs2910700	T	C	-0.301	0.043	0.086	2.43E-12	0.001	0.004	0.769	0.013	49.078	TRUE	4.21E-12
FEV1FVC	GDNF	cg05330056	rs3096140	G	A	-0.201	0.025	0.321	1.82E-15	-0.002	0.003	0.509	0.017	63.219	TRUE	5.04E-15
FEV1FVC	GDNF	cg07309340	rs2910704	G	C	-0.144	0.025	0.322	1.03E-08	0.005	0.003	0.036	0.009	32.775	TRUE	4.10E-08
FEV1FVC	GDNF	cg08307469	rs45455796	C	T	-0.546	0.076	0.028	5.63E-13	0.004	0.007	0.576	0.014	51.945	TRUE	1.22E-12
FEV1FVC	GDNF	cg17383727	rs80198467	C	T	-0.387	0.069	0.034	1.98E-08	0.004	0.007	0.580	0.008	31.496	TRUE	3.31E-08
FEV1FVC	GDNF	cg19622474	rs77210937	G	C	-0.399	0.069	0.034	5.94E-09	0.004	0.007	0.551	0.009	33.835	TRUE	1.04E-08

FEV1FVC	GDNF	cg23400942	rs74843650	T	C	-0.431	0.069	0.033	3.29E-10	0.004	0.007	0.549	0.011	39.470	TRUE	6.21E-10
FEV1FVC	GDNF	cg24813562	rs1019495	T	A	0.173	0.025	0.333	3.19E-12	0.004	0.003	0.131	0.013	48.541	TRUE	1.26E-11
FEV1FVC	GDNF	cg24813562	rs3812047	T	C	0.469	0.033	0.142	1.27E-44	0.011	0.004	0.002	0.050	196.302	TRUE	1.06E-41
FEV1FVC	GDNF	cg26559974	rs10941367	A	G	-0.131	0.023	0.476	2.04E-08	-0.002	0.002	0.451	0.008	31.443	TRUE	3.77E-08
FEV1FVC	GDNF	cg26559974	rs115383385	T	C	-0.541	0.092	0.018	4.63E-09	0.001	0.009	0.913	0.009	34.320	TRUE	6.21E-09
FEV1FVC	GDNF	cg26559974	rs11740052	T	C	0.310	0.039	0.101	2.21E-15	0.013	0.004	0.002	0.017	62.830	TRUE	3.86E-14
FEV1FVC	GDNF	cg26559974	rs80198467	C	T	-0.557	0.069	0.034	5.71E-16	0.004	0.007	0.580	0.017	65.498	TRUE	1.49E-15
FEV1FVC	GLS	cg03661409	rs1546646	A	G	0.162	0.024	0.383	2.63E-11	-0.002	0.002	0.423	0.012	44.413	TRUE	6.16E-11
FEV1FVC	GLS	cg21497043	rs11894425	C	T	-0.261	0.023	0.408	1.10E-29	-0.005	0.002	0.025	0.033	127.973	TRUE	4.78E-28
FEV1FVC	GNPTAB	cg01687189	rs10778127	G	A	0.205	0.031	0.164	6.77E-11	-0.002	0.003	0.582	0.011	42.562	TRUE	1.28E-10
FEV1FVC	GNPTAB	cg01687189	rs10860758	T	G	0.144	0.025	0.334	9.34E-09	-0.001	0.003	0.593	0.009	32.956	TRUE	1.55E-08
FEV1FVC	GNPTAB	cg01687189	rs11111017	C	T	0.302	0.031	0.182	1.22E-22	0.002	0.003	0.609	0.025	95.825	TRUE	4.83E-22
FEV1FVC	GNPTAB	cg01687189	rs11111055	C	T	0.390	0.040	0.090	1.95E-22	-0.007	0.004	0.107	0.025	94.903	TRUE	2.08E-21
FEV1FVC	GNPTAB	cg01687189	rs11111098	T	C	0.183	0.031	0.180	2.86E-09	-0.002	0.003	0.610	0.009	35.261	TRUE	4.83E-09
FEV1FVC	GNPTAB	cg01687189	rs112892793	T	C	0.434	0.074	0.024	3.83E-09	0.019	0.008	0.020	0.009	34.688	TRUE	1.79E-08
FEV1FVC	GNPTAB	cg01687189	rs116925784	G	T	0.326	0.060	0.040	4.84E-08	0.001	0.007	0.877	0.008	29.765	TRUE	6.37E-08
FEV1FVC	GNPTAB	cg01687189	rs12313062	A	G	0.315	0.028	0.218	5.04E-29	0.007	0.003	0.011	0.033	124.952	TRUE	2.78E-27
FEV1FVC	GNPTAB	cg01687189	rs12582545	C	G	0.258	0.039	0.106	2.30E-11	-0.008	0.004	0.052	0.012	44.675	TRUE	1.08E-10
FEV1FVC	GNPTAB	cg01687189	rs17436238	T	C	-0.291	0.046	0.070	3.48E-10	0.009	0.005	0.052	0.011	39.361	TRUE	1.49E-09
FEV1FVC	GNPTAB	cg01687189	rs2241553	G	T	0.168	0.025	0.329	2.33E-11	0.005	0.003	0.082	0.012	44.647	TRUE	9.71E-11
FEV1FVC	GNPTAB	cg01687189	rs73163704	A	T	-0.351	0.054	0.046	6.30E-11	0.001	0.006	0.877	0.011	42.701	TRUE	9.41E-11
FEV1FVC	GNPTAB	cg01687189	rs9668831	A	C	0.233	0.024	0.382	7.31E-22	0.000	0.003	0.967	0.024	92.286	TRUE	1.76E-21
FEV1FVC	GNPTAB	cg03756485	rs11830792	C	T	-0.436	0.026	0.288	1.48E-65	-0.009	0.003	6.24E-04	0.073	292.257	TRUE	6.33E-61
FEV1FVC	GNPTAB	cg03756485	rs17724970	G	A	0.329	0.044	0.081	1.09E-13	-0.001	0.005	0.788	0.015	55.173	TRUE	2.00E-13
FEV1FVC	GNPTAB	cg03756485	rs66467657	A	G	-0.196	0.035	0.127	2.11E-08	-0.005	0.004	0.170	0.008	31.374	TRUE	5.43E-08
FEV1FVC	GNPTAB	cg17214456	rs10778142	C	A	-0.162	0.027	0.257	2.84E-09	0.001	0.003	0.865	0.009	35.275	TRUE	3.99E-09
FEV1FVC	GNPTAB	cg17214456	rs11111088	C	T	0.200	0.023	0.477	1.21E-17	0.001	0.002	0.693	0.019	73.089	TRUE	3.04E-17
FEV1FVC	GNPTAB	cg17214456	rs111923673	C	T	-0.413	0.059	0.043	3.92E-12	-0.004	0.006	0.483	0.013	48.137	TRUE	8.90E-12
FEV1FVC	GNPTAB	cg17214456	rs11830792	C	T	-0.268	0.026	0.288	2.51E-25	-0.009	0.003	6.24E-04	0.028	108.078	TRUE	2.15E-23
FEV1FVC	GNPTAB	cg17214456	rs61938211	T	C	-0.694	0.030	0.166	5.32E-116	-0.006	0.003	0.065	0.124	523.856	TRUE	3.36E-108
FEV1FVC	GNPTAB	cg17214456	rs7308665	A	G	-0.214	0.027	0.243	2.80E-15	-0.003	0.003	0.267	0.017	62.372	TRUE	1.06E-14
FEV1FVC	GNPTAB	cg17214456	rs7979925	C	A	-0.146	0.024	0.460	8.22E-10	-0.003	0.002	0.163	0.010	37.687	TRUE	2.46E-09
FEV1FVC	GNPTAB	cg23541617	rs10778128	G	A	0.204	0.031	0.165	6.89E-11	-0.002	0.003	0.587	0.011	42.528	TRUE	1.30E-10
FEV1FVC	GNPTAB	cg23541617	rs10860758	T	G	0.141	0.025	0.334	1.74E-08	-0.001	0.003	0.593	0.009	31.747	TRUE	2.86E-08
FEV1FVC	GNPTAB	cg23541617	rs10860774	A	G	-0.773	0.020	0.467	<1E-200	0.002	0.002	0.401	0.287	1485.554	TRUE	3.26E-285
FEV1FVC	GNPTAB	cg23541617	rs11111055	C	T	0.484	0.040	0.090	7.15E-34	-0.007	0.004	0.107	0.038	147.106	TRUE	2.46E-32
FEV1FVC	GNPTAB	cg23541617	rs11111098	T	C	0.292	0.031	0.180	1.55E-21	-0.002	0.003	0.610	0.024	90.795	TRUE	5.59E-21
FEV1FVC	GNPTAB	cg23541617	rs17436238	T	C	-0.399	0.046	0.070	6.35E-18	0.009	0.005	0.052	0.020	74.370	TRUE	5.89E-17
FEV1FVC	GNPTAB	cg23541617	rs1980236	G	A	-0.146	0.023	0.487	4.06E-10	0.007	0.002	0.002	0.010	39.063	TRUE	3.33E-09
FEV1FVC	GNPTAB	cg23541617	rs2241553	G	T	0.205	0.025	0.329	3.22E-16	0.005	0.003	0.082	0.018	66.627	TRUE	2.12E-15
FEV1FVC	GNPTAB	cg23541617	rs34555394	G	A	-0.287	0.048	0.058	1.56E-09	-0.002	0.005	0.722	0.010	36.443	TRUE	2.46E-09
FEV1FVC	GNPTAB	cg23541617	rs4764656	A	G	0.444	0.035	0.123	8.11E-37	0.013	0.004	3.58E-04	0.042	160.576	TRUE	4.13E-34

FEV1FVC	GNPTAB	cg23541617	rs73163704	A	T	-0.508	0.054	0.046	2.96E-21	0.001	0.006	0.877	0.024	89.520	TRUE	7.67E-21
FEV1FVC	GNPTAB	cg23541617	rs73168318	A	G	0.456	0.039	0.099	5.69E-31	-0.006	0.004	0.120	0.035	133.847	TRUE	1.34E-29
FEV1FVC	GNPTAB	cg23541617	rs7975428	A	C	0.266	0.031	0.176	5.95E-18	0.004	0.003	0.264	0.020	74.496	TRUE	2.82E-17
FEV1FVC	GNPTAB	cg23541617	rs7978834	C	G	0.339	0.029	0.198	3.80E-31	-0.001	0.003	0.671	0.035	134.648	TRUE	2.68E-30
FEV1FVC	GPX1	cg02758552	rs13066140	C	T	0.211	0.036	0.115	5.82E-09	0.001	0.004	0.846	0.009	33.877	TRUE	8.10E-09
FEV1FVC	GPX1	cg02758552	rs73082914	T	C	0.241	0.043	0.078	1.72E-08	0.000	0.004	0.955	0.009	31.772	TRUE	2.17E-08
FEV1FVC	GPX1	cg02758552	rs9858280	C	T	0.341	0.025	0.318	1.12E-43	0.005	0.003	0.039	0.049	191.970	TRUE	2.10E-41
FEV1FVC	GPX1	cg05055782	rs200470784	T	C	0.299	0.049	0.061	9.69E-10	0.012	0.005	0.016	0.010	37.367	TRUE	5.07E-09
FEV1FVC	GPX1	cg05055782	rs6773518	A	C	0.254	0.023	0.448	2.65E-27	0.002	0.002	0.354	0.031	117.096	TRUE	2.25E-26
FEV1FVC	GPX1	cg05055782	rs73082363	C	T	-0.194	0.035	0.128	3.40E-08	0.000	0.004	0.947	0.008	30.448	TRUE	4.27E-08
FEV1FVC	GPX1	cg05551922	rs4974078	T	C	0.169	0.023	0.500	4.39E-13	0.005	0.002	0.039	0.014	52.434	TRUE	2.66E-12
FEV1FVC	GPX1	cg05551922	rs9878943	A	G	-0.252	0.025	0.314	1.91E-23	0.005	0.003	0.054	0.026	99.499	TRUE	3.02E-22
FEV1FVC	GPX1	cg07274523	rs141260127	T	C	0.315	0.055	0.049	8.73E-09	0.003	0.006	0.654	0.009	33.086	TRUE	1.41E-08
FEV1FVC	GPX1	cg07274523	rs35761247	A	G	0.294	0.049	0.065	1.73E-09	-0.004	0.005	0.492	0.010	36.239	TRUE	3.32E-09
FEV1FVC	GPX1	cg07274523	rs6446277	A	G	0.417	0.025	0.314	6.13E-65	0.005	0.003	0.057	0.073	289.426	TRUE	1.94E-61
FEV1FVC	GPX1	cg07274523	rs7627910	C	T	-0.142	0.024	0.458	2.33E-09	0.004	0.002	0.149	0.010	35.656	TRUE	6.87E-09
FEV1FVC	GPX1	cg07274523	rs7640031	C	G	0.314	0.052	0.054	1.77E-09	-0.003	0.005	0.561	0.010	36.193	TRUE	3.18E-09
FEV1FVC	GPX1	cg07274523	rs990211	A	G	-0.207	0.030	0.176	5.31E-12	-0.008	0.003	0.007	0.013	47.544	TRUE	4.50E-11
FEV1FVC	GPX1	cg24011261	rs11716974	A	G	-0.304	0.025	0.314	1.35E-33	0.005	0.003	0.054	0.038	145.843	TRUE	6.43E-32
FEV1FVC	GPX1	cg24011261	rs4974078	T	C	0.179	0.023	0.500	1.33E-14	0.005	0.002	0.039	0.016	59.299	TRUE	9.44E-14
FEV1FVC	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	0.006	0.003	0.026	0.022	83.004	TRUE	1.11E-18
FEV1FVC	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	0.005	0.011	0.626	0.020	74.243	TRUE	1.88E-17
FEV1FVC	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	-0.007	0.009	0.481	0.016	59.557	TRUE	3.14E-14
FEV1FVC	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	-0.004	0.003	0.198	0.012	45.037	TRUE	6.08E-11
FEV1FVC	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	0.002	0.003	0.589	0.011	42.892	TRUE	1.09E-10
FEV1FVC	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	0.005	0.003	0.084	0.038	145.486	TRUE	6.03E-32
FEV1FVC	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	-0.005	0.003	0.078	0.008	30.518	TRUE	1.02E-07
FEV1FVC	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	0.008	0.006	0.151	0.042	163.312	TRUE	8.49E-36
FEV1FVC	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	-0.008	0.002	4.85E-04	0.020	75.784	TRUE	1.01E-16
FEV1FVC	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	-0.006	0.002	0.020	0.014	52.136	TRUE	3.65E-12
FEV1FVC	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	-0.006	0.004	0.169	0.014	52.275	TRUE	1.82E-12
FEV1FVC	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	-0.005	0.004	0.267	0.010	38.182	TRUE	1.62E-09
FEV1FVC	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	-0.006	0.002	0.020	0.031	118.611	TRUE	4.42E-26
FEV1FVC	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	0.009	0.003	0.008	0.024	91.445	TRUE	2.83E-20
FEV1FVC	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	0.000	0.007	0.980	0.010	36.121	TRUE	2.38E-09
FEV1FVC	GSDMA	cg24910161	rs11871317	G	C	0.215	0.038	0.246	1.20E-08	0.007	0.003	0.016	0.009	32.462	TRUE	5.42E-08
FEV1FVC	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	0.007	0.003	0.055	0.023	88.537	TRUE	5.96E-20
FEV1FVC	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	0.009	0.002	8.37E-05	0.011	41.141	TRUE	2.01E-09
FEV1FVC	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	-0.005	0.003	0.098	0.041	159.157	TRUE	7.94E-35
FEV1FVC	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	-0.003	0.002	0.178	0.044	170.791	TRUE	2.09E-37
FEV1FVC	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	0.010	0.002	4.23E-05	0.320	1739.419	TRUE	<1E-200
FEV1FVC	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	0.001	0.004	0.812	0.017	62.193	TRUE	5.95E-15

FEV1FVC	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	-0.019	0.006	0.001	0.013	50.514	TRUE	1.55E-11
FEV1FVC	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	-0.017	0.003	1.62E-09	0.034	128.558	TRUE	1.95E-26
FEV1FVC	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	-0.020	0.004	6.51E-07	0.033	127.851	TRUE	9.24E-27
FEV1FVC	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	0.005	0.009	0.526	0.008	29.958	TRUE	7.47E-08
FEV1FVC	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	0.009	0.003	0.008	0.022	84.446	TRUE	8.13E-19
FEV1FVC	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	0.000	0.007	0.980	0.011	40.041	TRUE	3.31E-10
FEV1FVC	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	0.007	0.003	0.055	0.020	76.836	TRUE	1.72E-17
FEV1FVC	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	-0.005	0.003	0.098	0.047	181.852	TRUE	1.56E-39
FEV1FVC	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	-0.003	0.002	0.178	0.055	213.970	TRUE	2.38E-46
FEV1FVC	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	0.010	0.002	4.23E-05	0.282	1451.768	TRUE	1.30E-274
FEV1FVC	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	-0.009	0.003	0.004	0.032	124.005	TRUE	6.30E-27
FEV1FVC	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	0.001	0.004	0.812	0.014	52.543	TRUE	7.22E-13
FEV1FVC	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	-0.019	0.006	0.001	0.015	56.822	TRUE	7.57E-13
FEV1FVC	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	-0.017	0.003	1.62E-09	0.036	138.804	TRUE	1.70E-28
FEV1FVC	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	0.010	0.008	0.195	0.008	30.737	TRUE	7.19E-08
FEV1FVC	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	-0.018	0.006	0.002	0.014	52.132	TRUE	6.10E-12
FEV1FVC	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	0.000	0.007	0.980	0.008	30.488	TRUE	4.13E-08
FEV1FVC	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	-0.013	0.003	3.11E-06	0.009	32.948	TRUE	1.43E-07
FEV1FVC	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	0.001	0.004	0.806	0.009	32.601	TRUE	1.59E-08
FEV1FVC	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	0.002	0.003	0.587	0.011	41.116	TRUE	2.64E-10
FEV1FVC	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	-0.010	0.002	2.59E-05	0.012	46.247	TRUE	2.13E-10
FEV1FVC	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	-0.011	0.002	3.83E-06	0.099	407.381	TRUE	5.15E-83
FEV1FVC	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	-0.004	0.005	0.421	0.011	40.532	TRUE	4.17E-10
FEV1FVC	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	-0.012	0.004	0.001	0.017	64.042	TRUE	2.33E-14
FEV1FVC	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	0.009	0.002	9.33E-05	0.009	31.956	TRUE	1.54E-07
FEV1FVC	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	-0.003	0.006	0.592	0.014	52.347	TRUE	9.82E-13
FEV1FVC	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	0.007	0.003	0.041	0.009	32.697	TRUE	4.12E-08
FEV1FVC	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	-0.024	0.003	3.61E-12	0.010	36.314	TRUE	1.00E-07
FEV1FVC	GSDMB	cg27435903	rs36095411	G	T	-0.364	0.023	0.485	5.03E-56	0.011	0.002	6.85E-06	0.063	248.547	TRUE	1.68E-51
FEV1FVC	GSDMD	cg03367493	rs11782753	T	C	0.575	0.034	0.133	1.17E-65	-0.001	0.004	0.828	0.073	292.722	TRUE	2.91E-63
FEV1FVC	GSDMD	cg03367493	rs11985039	A	G	0.146	0.024	0.418	9.34E-10	-0.005	0.002	0.062	0.010	37.437	TRUE	3.63E-09
FEV1FVC	GSDMD	cg03367493	rs12543282	T	C	0.228	0.027	0.239	1.04E-16	0.002	0.003	0.419	0.018	68.850	TRUE	3.51E-16
FEV1FVC	GSDMD	cg03367493	rs12679471	G	T	0.188	0.025	0.348	4.17E-14	-0.002	0.003	0.527	0.015	57.058	TRUE	1.03E-13
FEV1FVC	GSDMD	cg03367493	rs12679598	G	A	-0.748	0.031	0.150	3.73E-127	0.004	0.003	0.255	0.135	575.102	TRUE	7.42E-119
FEV1FVC	GSDMD	cg03367493	rs13262652	C	G	0.474	0.059	0.043	1.24E-15	0.006	0.006	0.287	0.017	63.972	TRUE	4.69E-15
FEV1FVC	GSDMD	cg03367493	rs13276307	T	C	0.463	0.027	0.248	1.57E-64	0.001	0.003	0.719	0.072	287.550	TRUE	4.11E-62
FEV1FVC	GSDMD	cg03367493	rs139312283	T	C	0.693	0.102	0.014	1.10E-11	-0.001	0.010	0.919	0.012	46.110	TRUE	1.65E-11
FEV1FVC	GSDMD	cg03367493	rs143355379	T	C	0.871	0.143	0.014	1.01E-09	-0.005	0.010	0.647	0.010	37.287	TRUE	1.71E-09
FEV1FVC	GSDMD	cg03367493	rs187530824	G	C	-0.611	0.100	0.010	1.06E-09	0.007	0.010	0.529	0.010	37.189	TRUE	1.99E-09
FEV1FVC	GSDMD	cg03367493	rs2384929	C	T	0.258	0.023	0.496	2.68E-28	-0.005	0.003	0.046	0.032	121.641	TRUE	7.35E-27
FEV1FVC	GSDMD	cg03367493	rs35643226	C	A	0.160	0.024	0.452	1.31E-11	-0.006	0.002	0.015	0.012	45.770	TRUE	8.91E-11
FEV1FVC	GSDMD	cg03367493	rs66470449	C	G	-0.190	0.025	0.307	2.83E-14	0.000	0.003	0.993	0.015	57.818	TRUE	4.41E-14

FEV1FVC	GSDMD	cg03367493	rs72695731	T	C	-0.906	0.140	0.016	9.47E-11	-0.006	0.009	0.532	0.011	41.905	TRUE	1.88E-10
FEV1FVC	GSDMD	cg03367493	rs7832515	G	A	-0.193	0.030	0.199	7.44E-11	-0.003	0.003	0.350	0.011	42.376	TRUE	1.81E-10
FEV1FVC	GSDMD	cg03367493	rs78856028	A	G	0.179	0.033	0.154	3.89E-08	-0.001	0.003	0.751	0.008	30.186	TRUE	5.58E-08
FEV1FVC	GSDMD	cg06553843	rs11782442	T	C	0.478	0.034	0.131	2.27E-45	-0.001	0.004	0.836	0.051	199.723	TRUE	4.60E-44
FEV1FVC	GSDMD	cg06553843	rs144181480	G	A	-0.536	0.092	0.016	6.12E-09	-0.006	0.009	0.477	0.009	33.779	TRUE	1.14E-08
FEV1FVC	GSDMD	cg06553843	rs187530824	G	C	-0.771	0.100	0.010	1.66E-14	0.007	0.010	0.529	0.016	58.872	TRUE	4.17E-14
FEV1FVC	GSDMD	cg06553843	rs2242088	C	G	0.232	0.026	0.310	1.07E-19	-0.005	0.003	0.039	0.022	82.425	TRUE	1.28E-18
FEV1FVC	GSDMD	cg06553843	rs2242093	C	T	-0.709	0.031	0.149	2.19E-112	0.004	0.003	0.258	0.121	507.253	TRUE	1.33E-105
FEV1FVC	GSDMD	cg06553843	rs2278897	A	G	0.166	0.025	0.322	6.72E-11	0.002	0.003	0.449	0.011	42.576	TRUE	1.47E-10
FEV1FVC	GSDMD	cg06553843	rs62524733	G	A	-0.156	0.023	0.458	3.29E-11	0.003	0.002	0.193	0.012	43.971	TRUE	1.03E-10
FEV1FVC	GSDMD	cg06553843	rs66470449	C	G	-0.149	0.025	0.307	2.60E-09	0.000	0.003	0.993	0.009	35.441	TRUE	3.31E-09
FEV1FVC	GSDMD	cg06553843	rs72703742	T	C	0.179	0.033	0.143	4.00E-08	-0.002	0.003	0.661	0.008	30.133	TRUE	6.22E-08
FEV1FVC	GSDMD	cg07422279	rs12543096	A	G	0.221	0.028	0.206	4.12E-15	-0.002	0.003	0.549	0.016	61.607	TRUE	1.04E-14
FEV1FVC	GSDMD	cg07422279	rs141432057	T	C	-0.255	0.040	0.091	2.78E-10	-0.002	0.004	0.684	0.011	39.805	TRUE	4.68E-10
FEV1FVC	GSDMD	cg07422279	rs1809148	A	G	-0.211	0.036	0.131	4.77E-09	0.000	0.004	0.910	0.009	34.261	TRUE	6.41E-09
FEV1FVC	GSDMD	cg07422279	rs4873796	G	C	-0.180	0.028	0.222	8.73E-11	0.003	0.003	0.296	0.011	42.065	TRUE	2.24E-10
FEV1FVC	GSDMD	cg07422279	rs6558369	A	C	0.385	0.024	0.378	2.03E-59	-0.004	0.003	0.162	0.067	264.112	TRUE	1.31E-56
FEV1FVC	GSDMD	cg07422279	rs72701718	A	G	0.316	0.058	0.036	3.96E-08	0.007	0.006	0.267	0.008	30.154	TRUE	8.75E-08
FEV1FVC	GSDMD	cg09317036	rs10866914	T	G	-0.247	0.038	0.118	7.24E-11	-0.001	0.004	0.870	0.011	42.429	TRUE	1.08E-10
FEV1FVC	GSDMD	cg09317036	rs11787024	C	T	0.147	0.025	0.322	5.91E-09	0.005	0.003	0.056	0.009	33.845	TRUE	2.13E-08
FEV1FVC	GSDMD	cg09317036	rs12547588	G	A	-0.264	0.026	0.265	1.48E-23	0.005	0.003	0.083	0.026	100.000	TRUE	2.00E-22
FEV1FVC	GSDMD	cg09317036	rs12681624	G	C	1.025	0.030	0.150	1.09E-255	0.004	0.003	0.222	0.240	1166.006	TRUE	7.45E-229
FEV1FVC	GSDMD	cg09317036	rs141337105	T	G	0.468	0.082	0.018	1.01E-08	-0.003	0.008	0.727	0.009	32.805	TRUE	1.52E-08
FEV1FVC	GSDMD	cg09317036	rs144181480	G	A	0.543	0.092	0.016	4.02E-09	-0.006	0.009	0.477	0.009	34.595	TRUE	7.60E-09
FEV1FVC	GSDMD	cg09317036	rs187530824	G	C	0.858	0.100	0.010	1.17E-17	0.007	0.010	0.529	0.019	73.161	TRUE	3.63E-17
FEV1FVC	GSDMD	cg09317036	rs2060967	T	C	-0.278	0.026	0.296	7.51E-27	0.002	0.003	0.500	0.030	115.031	TRUE	4.75E-26
FEV1FVC	GSDMD	cg09317036	rs2384929	C	T	-0.227	0.023	0.496	3.02E-22	-0.005	0.003	0.046	0.025	94.033	TRUE	4.37E-21
FEV1FVC	GSDMD	cg09317036	rs34791886	G	A	0.248	0.024	0.453	5.30E-26	0.002	0.002	0.491	0.029	111.160	TRUE	3.13E-25
FEV1FVC	GSDMD	cg09317036	rs72691637	A	G	0.188	0.030	0.200	2.16E-10	-0.003	0.003	0.367	0.011	40.291	TRUE	4.98E-10
FEV1FVC	GSDMD	cg09317036	rs72695731	T	C	1.027	0.140	0.016	1.90E-13	-0.006	0.009	0.532	0.014	54.073	TRUE	4.46E-13
FEV1FVC	GSDMD	cg09317036	rs9644250	T	G	-0.179	0.025	0.349	8.33E-13	-0.004	0.003	0.143	0.014	51.175	TRUE	3.36E-12
FEV1FVC	GSDMD	cg10074813	rs13262652	C	G	0.349	0.059	0.043	4.12E-09	0.006	0.006	0.287	0.009	34.545	TRUE	9.58E-09
FEV1FVC	GSDMD	cg10074813	rs2242091	A	G	0.503	0.033	0.134	5.97E-51	-0.001	0.004	0.814	0.057	225.290	TRUE	2.31E-49
FEV1FVC	GSDMD	cg10074813	rs388357	A	C	-0.198	0.025	0.341	8.12E-16	0.001	0.003	0.588	0.017	64.805	TRUE	2.06E-15
FEV1FVC	GSDMD	cg10074813	rs4266665	G	T	-0.194	0.025	0.331	2.99E-15	0.004	0.003	0.173	0.017	62.238	TRUE	1.35E-14
FEV1FVC	GSDMD	cg10074813	rs896949	C	G	0.178	0.027	0.274	3.30E-11	-0.006	0.003	0.034	0.012	43.964	TRUE	1.72E-10
FEV1FVC	GSDMD	cg10810860	rs10099546	G	A	-0.467	0.033	0.142	2.17E-45	0.005	0.003	0.157	0.051	199.813	TRUE	2.31E-43
FEV1FVC	GSDMD	cg10810860	rs117239159	A	G	0.556	0.070	0.030	2.13E-15	-0.014	0.007	0.040	0.017	62.907	TRUE	1.64E-14
FEV1FVC	GSDMD	cg10810860	rs12543282	T	C	0.699	0.026	0.239	2.43E-155	0.002	0.003	0.419	0.160	704.634	TRUE	3.57E-144
FEV1FVC	GSDMD	cg10810860	rs13276307	T	C	0.380	0.027	0.248	1.64E-43	0.001	0.003	0.719	0.049	191.218	TRUE	3.36E-42
FEV1FVC	GSDMD	cg10810860	rs190987773	T	C	0.757	0.074	0.033	1.05E-24	-0.012	0.008	0.146	0.028	105.248	TRUE	1.20E-23
FEV1FVC	GSDMD	cg10810860	rs36134466	G	A	0.669	0.086	0.022	8.28E-15	0.015	0.007	0.038	0.016	60.235	TRUE	6.11E-14

FEV1FVC	GSDMD	cg10810860	rs4495441	A	G	0.379	0.046	0.071	2.20E-16	0.001	0.005	0.861	0.018	67.382	TRUE	4.34E-16
FEV1FVC	GSDMD	cg10810860	rs60804328	G	C	-0.218	0.024	0.373	4.55E-20	0.000	0.003	0.869	0.022	84.120	TRUE	1.10E-19
FEV1FVC	GSDMD	cg10810860	rs6990605	G	A	0.219	0.025	0.325	2.03E-18	0.005	0.003	0.049	0.020	76.624	TRUE	1.92E-17
FEV1FVC	GSDMD	cg10810860	rs72703732	A	G	0.524	0.062	0.039	2.64E-17	0.016	0.006	0.007	0.019	71.561	TRUE	4.20E-16
FEV1FVC	GSDMD	cg10810860	rs73715668	C	G	-0.257	0.027	0.247	1.69E-21	0.001	0.003	0.688	0.024	90.631	TRUE	5.50E-21
FEV1FVC	GSDMD	cg14721632	rs116668352	A	G	-0.302	0.052	0.059	7.30E-09	-0.002	0.005	0.642	0.009	33.434	TRUE	1.19E-08
FEV1FVC	GSDMD	cg14721632	rs116692788	T	C	-0.335	0.035	0.131	8.27E-22	0.001	0.004	0.831	0.024	92.042	TRUE	2.30E-21
FEV1FVC	GSDMD	cg14721632	rs117126994	A	G	0.566	0.081	0.025	2.19E-12	-0.006	0.008	0.424	0.013	49.282	TRUE	5.37E-12
FEV1FVC	GSDMD	cg14721632	rs11776876	T	C	-0.175	0.024	0.418	3.95E-13	0.002	0.003	0.367	0.014	52.639	TRUE	1.08E-12
FEV1FVC	GSDMD	cg14721632	rs12544706	C	G	-0.316	0.027	0.241	1.24E-31	0.005	0.003	0.048	0.036	136.869	TRUE	4.76E-30
FEV1FVC	GSDMD	cg14721632	rs1545536	T	C	-0.258	0.029	0.216	2.37E-19	-0.002	0.003	0.509	0.021	80.863	TRUE	8.38E-19
FEV1FVC	GSDMD	cg14721632	rs2272635	T	C	0.268	0.026	0.295	3.30E-25	0.001	0.003	0.828	0.028	107.534	TRUE	1.19E-24
FEV1FVC	GSDMD	cg14721632	rs3812445	G	A	0.349	0.034	0.132	1.94E-24	-0.001	0.004	0.816	0.027	104.030	TRUE	6.53E-24
FEV1FVC	GSDMD	cg14721632	rs383439	G	C	0.442	0.025	0.329	1.07E-70	-0.007	0.003	0.010	0.079	315.842	TRUE	2.54E-66
FEV1FVC	GSDMD	cg14721632	rs3889129	T	C	0.653	0.023	0.350	1.65E-175	-0.004	0.003	0.167	0.177	797.337	TRUE	4.13E-161
FEV1FVC	GSDMD	cg14721632	rs59795540	A	C	-0.320	0.043	0.083	1.24E-13	0.011	0.004	0.012	0.015	54.913	TRUE	1.09E-12
FEV1FVC	GSDMD	cg14721632	rs6991129	G	A	-0.187	0.027	0.256	3.19E-12	0.004	0.003	0.157	0.013	48.545	TRUE	1.15E-11
FEV1FVC	GSDMD	cg14721632	rs6994534	T	C	0.137	0.024	0.424	9.86E-09	-0.001	0.002	0.718	0.009	32.850	TRUE	1.51E-08
FEV1FVC	GSDMD	cg14721632	rs77893911	T	G	0.236	0.025	0.284	1.98E-20	0.003	0.003	0.331	0.023	85.762	TRUE	9.94E-20
FEV1FVC	GSDMD	cg14721632	rs7819729	G	A	-0.211	0.027	0.256	1.23E-14	0.001	0.003	0.697	0.016	59.460	TRUE	2.63E-14
FEV1FVC	GSDMD	cg15172061	rs113025548	T	C	0.759	0.058	0.041	1.31E-39	0.008	0.006	0.159	0.045	173.353	TRUE	6.76E-38
FEV1FVC	GSDMD	cg15172061	rs113715729	A	G	0.427	0.066	0.037	8.55E-11	-0.011	0.008	0.167	0.011	42.106	TRUE	2.74E-10
FEV1FVC	GSDMD	cg15172061	rs113990650	T	C	-0.711	0.031	0.150	5.41E-114	0.004	0.003	0.244	0.122	514.636	TRUE	5.00E-107
FEV1FVC	GSDMD	cg15172061	rs11985039	A	G	0.210	0.024	0.418	1.45E-18	-0.005	0.002	0.062	0.020	77.289	TRUE	1.34E-17
FEV1FVC	GSDMD	cg15172061	rs13262652	C	G	0.498	0.059	0.043	4.93E-17	0.006	0.006	0.287	0.019	70.328	TRUE	2.08E-16
FEV1FVC	GSDMD	cg15172061	rs141432057	T	C	-0.435	0.040	0.091	4.12E-27	-0.002	0.004	0.684	0.030	116.219	TRUE	2.04E-26
FEV1FVC	GSDMD	cg15172061	rs144093946	C	T	0.595	0.098	0.014	1.07E-09	0.005	0.010	0.605	0.010	37.175	TRUE	1.87E-09
FEV1FVC	GSDMD	cg15172061	rs1532037	C	T	-0.148	0.024	0.401	5.25E-10	0.001	0.003	0.765	0.010	38.561	TRUE	8.10E-10
FEV1FVC	GSDMD	cg15172061	rs2384929	C	T	0.316	0.023	0.496	7.46E-42	-0.005	0.003	0.046	0.047	183.622	TRUE	1.00E-39
FEV1FVC	GSDMD	cg15172061	rs35194198	G	A	-0.187	0.025	0.322	1.32E-13	0.005	0.003	0.039	0.015	54.799	TRUE	8.64E-13
FEV1FVC	GSDMD	cg15172061	rs448340	G	A	0.175	0.024	0.402	1.48E-13	0.002	0.003	0.423	0.015	54.566	TRUE	3.94E-13
FEV1FVC	GSDMD	cg15172061	rs58774177	C	T	0.779	0.023	0.334	6.22E-242	-0.007	0.003	0.011	0.230	1102.739	TRUE	7.82E-216
FEV1FVC	GSDMD	cg15172061	rs61005957	G	T	0.674	0.041	0.087	1.02E-59	-0.005	0.004	0.278	0.067	265.476	TRUE	4.18E-57
FEV1FVC	GSDMD	cg15172061	rs7812379	T	C	-0.236	0.024	0.477	2.25E-23	0.001	0.002	0.839	0.026	99.172	TRUE	7.01E-23
FEV1FVC	GSDMD	cg15172061	rs7834418	T	C	-0.172	0.026	0.283	8.08E-11	0.001	0.003	0.828	0.011	42.216	TRUE	1.24E-10
FEV1FVC	GSDMD	cg15172061	rs78856028	A	G	0.190	0.033	0.154	5.46E-09	-0.001	0.003	0.751	0.009	34.001	TRUE	8.14E-09
FEV1FVC	GSDMD	cg15541193	rs116692788	T	C	-0.200	0.035	0.131	1.03E-08	0.001	0.004	0.831	0.009	32.771	TRUE	1.43E-08
FEV1FVC	GSDMD	cg15541193	rs372513	T	G	-0.160	0.028	0.224	8.20E-09	0.003	0.003	0.239	0.009	33.210	TRUE	1.97E-08
FEV1FVC	GSDMD	cg15541193	rs3812445	G	A	0.210	0.034	0.132	8.09E-10	-0.001	0.004	0.816	0.010	37.717	TRUE	1.19E-09
FEV1FVC	GSDMD	cg15541193	rs383439	G	C	0.241	0.025	0.329	9.98E-22	-0.007	0.003	0.010	0.024	91.672	TRUE	2.30E-20
FEV1FVC	GSDMD	cg15541193	rs3889129	T	C	0.372	0.024	0.350	3.20E-54	-0.004	0.003	0.167	0.061	240.278	TRUE	1.01E-51
FEV1FVC	GSDMD	cg17812120	rs10111556	A	G	0.239	0.025	0.322	1.86E-21	-0.002	0.003	0.521	0.024	90.444	TRUE	7.64E-21

FEV1FVC	GSDMD	cg17812120	rs11781942	A	G	-0.194	0.032	0.166	1.24E-09	0.005	0.003	0.115	0.010	36.883	TRUE	3.94E-09
FEV1FVC	GSDMD	cg17812120	rs12681624	G	C	-0.637	0.032	0.150	2.09E-90	0.004	0.003	0.222	0.099	406.309	TRUE	1.68E-85
FEV1FVC	GSDMD	cg17812120	rs139312283	T	C	0.709	0.102	0.014	3.57E-12	-0.001	0.010	0.919	0.013	48.321	TRUE	5.45E-12
FEV1FVC	GSDMD	cg17812120	rs147034183	A	G	0.636	0.103	0.015	5.96E-10	-0.012	0.010	0.200	0.010	38.315	TRUE	1.67E-09
FEV1FVC	GSDMD	cg17812120	rs149005143	T	C	0.466	0.080	0.027	5.63E-09	-0.003	0.008	0.674	0.009	33.940	TRUE	8.94E-09
FEV1FVC	GSDMD	cg17812120	rs28754324	C	A	0.572	0.098	0.012	4.61E-09	-0.029	0.010	0.003	0.009	34.328	TRUE	3.07E-08
FEV1FVC	GSDMD	cg17812120	rs35609832	G	C	0.426	0.065	0.033	6.15E-11	-0.005	0.007	0.440	0.011	42.748	TRUE	1.35E-10
FEV1FVC	GSDMD	cg17812120	rs3750207	G	T	0.727	0.024	0.333	6.50E-207	-0.007	0.003	0.011	0.203	941.717	TRUE	1.64E-186
FEV1FVC	GSDMD	cg17812120	rs3812445	G	A	0.358	0.034	0.132	1.10E-25	-0.001	0.004	0.816	0.029	109.706	TRUE	4.05E-25
FEV1FVC	GSDMD	cg17812120	rs4490854	G	A	0.372	0.040	0.087	1.82E-20	0.004	0.004	0.405	0.023	85.929	TRUE	8.22E-20
FEV1FVC	GSDMD	cg17812120	rs58858875	A	G	0.305	0.043	0.084	1.50E-12	-0.003	0.004	0.523	0.013	50.024	TRUE	3.37E-12
FEV1FVC	GSDMD	cg17812120	rs59610542	G	A	-0.168	0.025	0.334	1.83E-11	0.004	0.003	0.118	0.012	45.123	TRUE	7.08E-11
FEV1FVC	GSDMD	cg17812120	rs62524034	A	G	-0.224	0.032	0.152	1.72E-12	0.004	0.003	0.160	0.013	49.748	TRUE	6.30E-12
FEV1FVC	GSDMD	cg17812120	rs72693306	A	G	-0.306	0.053	0.050	7.74E-09	0.004	0.005	0.481	0.009	33.321	TRUE	1.43E-08
FEV1FVC	GSDMD	cg17812120	rs7812379	T	C	-0.306	0.024	0.477	1.34E-38	0.001	0.002	0.839	0.044	168.734	TRUE	1.40E-37
FEV1FVC	GSDMD	cg17812120	rs7813970	T	C	-0.458	0.029	0.194	1.12E-56	0.000	0.003	0.950	0.064	251.533	TRUE	6.75E-55
FEV1FVC	GSDMD	cg17812120	rs78856028	A	G	0.222	0.033	0.154	1.02E-11	-0.001	0.003	0.751	0.012	46.261	TRUE	1.74E-11
FEV1FVC	GSDMD	cg17812120	rs9657360	C	T	0.430	0.029	0.206	3.24E-48	-0.003	0.003	0.302	0.054	212.761	TRUE	2.80E-46
FEV1FVC	GSDMD	cg18198896	rs116668352	A	G	-0.338	0.052	0.059	9.05E-11	-0.002	0.005	0.642	0.011	41.994	TRUE	1.63E-10
FEV1FVC	GSDMD	cg18198896	rs116692788	T	C	-0.285	0.035	0.131	3.67E-16	0.001	0.004	0.831	0.018	66.371	TRUE	7.31E-16
FEV1FVC	GSDMD	cg18198896	rs12544706	C	G	-0.253	0.027	0.241	1.24E-20	0.005	0.003	0.048	0.023	86.694	TRUE	1.48E-19
FEV1FVC	GSDMD	cg18198896	rs12675897	T	C	0.149	0.024	0.453	4.01E-10	-0.001	0.002	0.604	0.010	39.089	TRUE	7.28E-10
FEV1FVC	GSDMD	cg18198896	rs1545536	T	C	-0.196	0.029	0.216	9.06E-12	-0.002	0.003	0.509	0.012	46.496	TRUE	1.95E-11
FEV1FVC	GSDMD	cg18198896	rs374534	G	C	0.247	0.026	0.262	2.77E-21	0.002	0.003	0.453	0.024	89.654	TRUE	1.22E-20
FEV1FVC	GSDMD	cg18198896	rs383439	G	C	0.199	0.025	0.329	3.08E-15	-0.007	0.003	0.010	0.017	62.181	TRUE	3.36E-14
FEV1FVC	GSDMD	cg18198896	rs3889129	T	C	0.586	0.023	0.350	2.22E-138	-0.004	0.003	0.167	0.145	626.682	TRUE	1.31E-128
FEV1FVC	GSDMD	cg18198896	rs72701718	A	G	0.451	0.058	0.036	4.96E-15	0.007	0.006	0.267	0.016	61.244	TRUE	1.85E-14
FEV1FVC	GSDMD	cg18198896	rs74528256	T	C	-0.187	0.032	0.162	9.09E-09	0.000	0.003	0.985	0.009	33.010	TRUE	1.15E-08
FEV1FVC	GSDMD	cg18198896	rs77893911	T	G	0.330	0.025	0.284	7.36E-39	0.003	0.003	0.331	0.044	169.918	TRUE	2.01E-37
FEV1FVC	GSDMD	cg20583945	rs10099134	C	T	-0.224	0.028	0.236	1.20E-15	-0.006	0.003	0.046	0.017	64.031	TRUE	9.44E-15
FEV1FVC	GSDMD	cg20583945	rs11136325	G	A	0.137	0.024	0.406	1.12E-08	0.003	0.003	0.291	0.009	32.609	TRUE	2.47E-08
FEV1FVC	GSDMD	cg20583945	rs112484283	C	A	-0.576	0.063	0.040	6.66E-20	0.010	0.006	0.104	0.022	83.368	TRUE	5.64E-19
FEV1FVC	GSDMD	cg20583945	rs11776876	T	C	-0.188	0.024	0.418	6.25E-15	0.002	0.003	0.367	0.016	60.789	TRUE	1.94E-14
FEV1FVC	GSDMD	cg20583945	rs11986259	A	G	-0.399	0.028	0.221	6.15E-45	-0.001	0.003	0.752	0.051	197.744	TRUE	1.38E-43
FEV1FVC	GSDMD	cg20583945	rs12545739	T	C	-0.157	0.027	0.245	9.78E-09	-0.001	0.003	0.629	0.009	32.867	TRUE	1.58E-08
FEV1FVC	GSDMD	cg20583945	rs141337105	T	G	0.781	0.081	0.018	9.73E-22	-0.003	0.008	0.727	0.024	91.721	TRUE	3.08E-21
FEV1FVC	GSDMD	cg20583945	rs1487888	T	C	1.440	0.022	0.148	<1E-200	0.005	0.003	0.182	0.536	4270.809	TRUE	<1E-200
FEV1FVC	GSDMD	cg20583945	rs1532037	C	T	0.269	0.024	0.401	4.74E-30	0.001	0.003	0.765	0.034	129.640	TRUE	2.59E-29
FEV1FVC	GSDMD	cg20583945	rs187530824	G	C	0.886	0.100	0.010	9.85E-19	0.007	0.010	0.529	0.021	78.048	TRUE	3.29E-18
FEV1FVC	GSDMD	cg20583945	rs2060967	T	C	-0.636	0.025	0.296	3.17E-142	0.002	0.003	0.500	0.148	644.357	TRUE	9.23E-133
FEV1FVC	GSDMD	cg20583945	rs388357	A	C	-0.462	0.024	0.341	8.27E-82	0.001	0.003	0.588	0.090	366.838	TRUE	4.17E-78
FEV1FVC	GSDMD	cg20583945	rs4873795	T	A	-0.316	0.037	0.102	2.21E-17	0.001	0.004	0.888	0.019	71.911	TRUE	4.45E-17

FEV1FVC	GSDMD	cg20583945	rs55994096	T	G	0.339	0.024	0.374	9.52E-47	0.000	0.003	0.907	0.053	206.035	TRUE	2.00E-45
FEV1FVC	GSDMD	cg20583945	rs56184499	A	G	0.275	0.026	0.293	3.26E-26	0.001	0.003	0.761	0.029	112.123	TRUE	1.36E-25
FEV1FVC	GSDMD	cg20583945	rs56186625	T	C	0.597	0.055	0.055	3.52E-27	0.002	0.005	0.658	0.031	116.533	TRUE	1.82E-26
FEV1FVC	GSDMD	cg20583945	rs62521928	A	G	-0.346	0.055	0.052	3.82E-10	0.009	0.005	0.075	0.010	39.183	TRUE	1.45E-09
FEV1FVC	GSDMD	cg20583945	rs6558383	C	T	-0.257	0.034	0.146	5.09E-14	0.000	0.004	0.968	0.015	56.662	TRUE	8.01E-14
FEV1FVC	GSDMD	cg20583945	rs6987719	T	C	-0.220	0.031	0.169	1.74E-12	0.005	0.003	0.144	0.013	49.726	TRUE	6.78E-12
FEV1FVC	GSDMD	cg20583945	rs7460860	T	C	0.182	0.024	0.395	5.64E-14	-0.002	0.003	0.330	0.015	56.462	TRUE	1.73E-13
FEV1FVC	GSDMD	cg20583945	rs7829800	A	G	0.167	0.025	0.320	4.36E-11	0.005	0.003	0.034	0.012	43.423	TRUE	2.20E-10
FEV1FVC	GSDMD	cg20583945	rs7833564	A	G	0.144	0.024	0.477	1.17E-09	0.000	0.002	0.881	0.010	37.002	TRUE	1.66E-09
FEV1FVC	GSDMD	cg20583945	rs80351785	A	G	-0.494	0.071	0.034	4.32E-12	-0.002	0.007	0.738	0.013	47.947	TRUE	7.63E-12
FEV1FVC	GSDMD	cg20583945	rs896960	C	G	0.195	0.034	0.134	8.66E-09	-0.001	0.004	0.817	0.009	33.103	TRUE	1.23E-08
FEV1FVC	GSDMD	cg22012530	rs118062821	T	A	-0.521	0.093	0.019	1.76E-08	0.015	0.008	0.068	0.009	31.729	TRUE	5.85E-08
FEV1FVC	GSDMD	cg22012530	rs118076041	A	G	0.728	0.130	0.015	2.06E-08	0.004	0.010	0.675	0.008	31.418	TRUE	3.19E-08
FEV1FVC	GSDMD	cg22012530	rs13254352	A	C	-0.254	0.028	0.245	4.91E-20	0.001	0.003	0.719	0.022	83.972	TRUE	1.40E-19
FEV1FVC	GSDMD	cg22012530	rs13267937	G	C	-0.235	0.027	0.256	9.70E-18	0.001	0.003	0.704	0.019	73.532	TRUE	2.43E-17
FEV1FVC	GSDMD	cg22012530	rs13274480	T	C	-0.178	0.024	0.420	1.27E-13	0.003	0.002	0.229	0.015	54.863	TRUE	4.54E-13
FEV1FVC	GSDMD	cg22012530	rs2060967	T	C	-0.400	0.026	0.296	2.03E-54	0.002	0.003	0.500	0.061	241.189	TRUE	2.24E-52
FEV1FVC	GSDMD	cg22012530	rs2278897	A	G	0.259	0.025	0.322	1.34E-24	0.002	0.003	0.449	0.028	104.760	TRUE	7.83E-24
FEV1FVC	GSDMD	cg22012530	rs388357	A	C	-0.407	0.024	0.341	3.87E-63	0.001	0.003	0.588	0.071	281.167	TRUE	1.11E-60
FEV1FVC	GSDMD	cg22012530	rs4873795	T	A	-0.223	0.037	0.102	2.27E-09	0.001	0.004	0.888	0.010	35.708	TRUE	3.12E-09
FEV1FVC	GSDMD	cg22012530	rs59795540	A	C	-0.343	0.043	0.083	2.23E-15	0.011	0.004	0.012	0.017	62.820	TRUE	2.38E-14
FEV1FVC	GSDMD	cg22012530	rs6991129	G	A	-0.216	0.027	0.256	1.07E-15	0.004	0.003	0.157	0.017	64.256	TRUE	5.20E-15
FEV1FVC	GSDMD	cg22012530	rs6991958	T	C	0.776	0.028	0.200	1.15E-171	-0.009	0.003	0.005	0.174	779.663	TRUE	3.44E-156
FEV1FVC	GSDMD	cg22012530	rs72701716	A	G	0.274	0.026	0.293	4.64E-26	0.001	0.003	0.836	0.029	111.422	TRUE	1.71E-25
FEV1FVC	GSDMD	cg22312904	rs113025548	T	C	0.652	0.058	0.041	1.19E-29	0.008	0.006	0.159	0.033	127.816	TRUE	2.12E-28
FEV1FVC	GSDMD	cg22312904	rs12681624	G	C	-0.546	0.032	0.150	2.19E-66	0.004	0.003	0.222	0.074	296.064	TRUE	2.96E-63
FEV1FVC	GSDMD	cg22312904	rs13262652	C	G	0.343	0.059	0.043	7.09E-09	0.006	0.006	0.287	0.009	33.491	TRUE	1.62E-08
FEV1FVC	GSDMD	cg22312904	rs144093946	C	T	0.535	0.097	0.014	3.80E-08	0.005	0.010	0.605	0.008	30.234	TRUE	6.12E-08
FEV1FVC	GSDMD	cg22312904	rs1532038	A	G	-0.292	0.043	0.079	8.60E-12	-0.005	0.005	0.282	0.012	46.599	TRUE	2.46E-11
FEV1FVC	GSDMD	cg22312904	rs2004099	G	T	0.156	0.024	0.405	6.73E-11	-0.001	0.003	0.705	0.011	42.573	TRUE	1.14E-10
FEV1FVC	GSDMD	cg22312904	rs448340	G	A	0.170	0.024	0.402	5.32E-13	0.002	0.003	0.423	0.014	52.055	TRUE	1.37E-12
FEV1FVC	GSDMD	cg22312904	rs4874171	C	T	0.258	0.024	0.375	4.32E-27	-0.003	0.003	0.180	0.030	116.128	TRUE	5.43E-26
FEV1FVC	GSDMD	cg22312904	rs58472315	G	A	0.589	0.042	0.089	9.82E-46	-0.001	0.004	0.849	0.052	201.393	TRUE	2.05E-44
FEV1FVC	GSDMD	cg22312904	rs59610542	G	A	-0.146	0.025	0.334	4.60E-09	0.004	0.003	0.118	0.009	34.334	TRUE	1.43E-08
FEV1FVC	GSDMD	cg22312904	rs964195	C	T	0.593	0.024	0.334	2.11E-132	-0.006	0.003	0.012	0.139	599.216	TRUE	3.69E-122
FEV1FVC	GSDMD	cg22995724	rs113715729	A	G	0.366	0.066	0.037	2.70E-08	-0.011	0.008	0.167	0.008	30.894	TRUE	6.99E-08
FEV1FVC	GSDMD	cg22995724	rs11782442	T	C	0.859	0.033	0.131	3.57E-152	-0.001	0.004	0.836	0.157	690.074	TRUE	4.81E-142
FEV1FVC	GSDMD	cg22995724	rs12680498	A	G	0.188	0.024	0.448	1.67E-15	-0.005	0.002	0.043	0.017	63.380	TRUE	1.30E-14
FEV1FVC	GSDMD	cg22995724	rs12681624	G	C	-0.921	0.031	0.150	3.91E-200	0.004	0.003	0.222	0.198	910.549	TRUE	1.91E-182
FEV1FVC	GSDMD	cg22995724	rs139312283	T	C	0.799	0.102	0.014	4.23E-15	-0.001	0.010	0.919	0.016	61.556	TRUE	7.42E-15
FEV1FVC	GSDMD	cg22995724	rs35194198	G	A	-0.148	0.025	0.322	4.77E-09	0.005	0.003	0.039	0.009	34.264	TRUE	1.93E-08
FEV1FVC	GSDMD	cg22995724	rs3750204	A	G	0.226	0.028	0.233	7.54E-16	-0.001	0.003	0.629	0.017	64.951	TRUE	1.87E-15

FEV1FVC	GSDMD	cg22995724	rs4242490	A	C	0.259	0.026	0.264	1.24E-22	0.004	0.003	0.125	0.025	95.797	TRUE	1.22E-21
FEV1FVC	GSDMD	cg22995724	rs4874147	T	C	0.166	0.026	0.269	2.65E-10	0.003	0.003	0.201	0.011	39.899	TRUE	7.51E-10
FEV1FVC	GSDMD	cg22995724	rs4874150	G	A	-0.208	0.026	0.275	1.70E-15	0.003	0.003	0.325	0.017	63.355	TRUE	5.84E-15
FEV1FVC	GSDMD	cg22995724	rs59795540	A	C	0.412	0.043	0.083	1.33E-21	0.011	0.004	0.012	0.024	91.106	TRUE	2.88E-20
FEV1FVC	GSDMD	cg22995724	rs62524034	A	G	-0.177	0.032	0.152	2.75E-08	0.004	0.003	0.160	0.008	30.863	TRUE	7.05E-08
FEV1FVC	GSDMD	cg22995724	rs72691637	A	G	-0.218	0.030	0.200	2.13E-13	-0.003	0.003	0.367	0.014	53.855	TRUE	6.03E-13
FEV1FVC	GSDMD	cg22995724	rs72695731	T	C	-0.905	0.140	0.016	1.01E-10	-0.006	0.009	0.532	0.011	41.785	TRUE	2.00E-10
FEV1FVC	GSDMD	cg22995724	rs78856028	A	G	0.205	0.033	0.154	3.14E-10	-0.001	0.003	0.751	0.011	39.565	TRUE	4.96E-10
FEV1FVC	GSDMD	cg22995724	rs872935	G	A	0.431	0.024	0.372	1.18E-69	-0.006	0.003	0.026	0.078	311.066	TRUE	1.34E-65
FEV1FVC	GSDMD	cg22995724	rs923326	G	C	0.182	0.024	0.397	3.66E-14	-0.001	0.003	0.688	0.015	57.312	TRUE	7.60E-14
FEV1FVC	GSDMD	cg26173173	rs113990650	T	C	-0.201	0.032	0.150	3.16E-10	0.004	0.003	0.244	0.011	39.551	TRUE	8.36E-10
FEV1FVC	GSDMD	cg26173173	rs11551200	T	C	-0.551	0.068	0.028	6.80E-16	0.005	0.007	0.525	0.017	65.156	TRUE	1.88E-15
FEV1FVC	GSK3B	cg14479617	rs10934511	T	C	0.190	0.024	0.485	1.15E-15	0.005	0.002	0.041	0.017	64.112	TRUE	9.12E-15
FEV1FVC	GSK3B	cg14479617	rs114741212	A	G	0.509	0.086	0.020	3.55E-09	0.020	0.009	0.023	0.009	34.837	TRUE	1.62E-08
FEV1FVC	GSK3B	cg14479617	rs2037547	T	C	0.585	0.028	0.204	5.00E-94	0.008	0.003	0.009	0.103	422.936	TRUE	1.07E-87
FEV1FVC	GSK3B	cg14479617	rs2461823	T	C	0.155	0.024	0.375	1.61E-10	-0.001	0.003	0.560	0.011	40.863	TRUE	3.03E-10
FEV1FVC	GSK3B	cg14479617	rs6438560	T	A	0.355	0.040	0.098	1.81E-18	0.005	0.004	0.179	0.020	76.844	TRUE	1.08E-17
FEV1FVC	GSK3B	cg14479617	rs6797459	T	C	-0.471	0.029	0.190	9.32E-58	-0.005	0.003	0.098	0.065	256.490	TRUE	6.68E-55
FEV1FVC	GSK3B	cg14479617	rs72954800	T	C	-0.275	0.039	0.096	2.15E-12	-0.004	0.004	0.335	0.013	49.316	TRUE	5.87E-12
FEV1FVC	GSK3B	cg14479617	rs73192055	A	G	0.597	0.080	0.021	8.04E-14	-0.002	0.008	0.835	0.015	55.766	TRUE	1.43E-13
FEV1FVC	GSK3B	cg14479617	rs78171547	A	G	-0.407	0.059	0.042	3.96E-12	0.002	0.006	0.685	0.013	48.118	TRUE	7.38E-12
FEV1FVC	HGS	cg00656475	rs12451387	A	G	-0.185	0.031	0.170	2.68E-09	-0.005	0.003	0.114	0.009	35.382	TRUE	8.41E-09
FEV1FVC	HGS	cg00656475	rs145397742	G	A	0.489	0.066	0.038	2.02E-13	-0.007	0.006	0.285	0.014	53.960	TRUE	6.40E-13
FEV1FVC	HGS	cg00656475	rs6565592	T	G	0.205	0.025	0.300	2.70E-16	0.000	0.003	0.995	0.018	66.976	TRUE	4.63E-16
FEV1FVC	HGS	cg00656475	rs73354145	T	C	0.489	0.084	0.021	5.53E-09	-0.006	0.008	0.461	0.009	33.976	TRUE	1.05E-08
FEV1FVC	HGS	cg00656475	rs7405655	A	G	-0.146	0.025	0.337	2.63E-09	-0.004	0.003	0.081	0.009	35.418	TRUE	8.83E-09
FEV1FVC	HGS	cg00656475	rs76645549	A	G	0.552	0.075	0.026	1.52E-13	-0.017	0.007	0.021	0.015	54.508	TRUE	1.18E-12
FEV1FVC	HGS	cg00656475	rs8066889	G	T	0.581	0.027	0.221	5.55E-100	-0.002	0.003	0.550	0.109	450.281	TRUE	8.46E-95
FEV1FVC	HGS	cg05283453	rs34033471	T	C	-0.341	0.051	0.057	1.94E-11	-0.011	0.005	0.030	0.012	45.005	TRUE	1.08E-10
FEV1FVC	HGS	cg13309461	rs11871349	C	T	0.130	0.024	0.434	3.49E-08	-0.003	0.003	0.224	0.008	30.395	TRUE	8.28E-08
FEV1FVC	HGS	cg13309461	rs35953598	T	C	0.781	0.051	0.055	6.05E-53	-0.013	0.005	0.013	0.060	234.431	TRUE	7.61E-50
FEV1FVC	HGS	cg13309461	rs7406108	C	T	0.160	0.024	0.366	4.60E-11	-0.006	0.003	0.017	0.012	43.318	TRUE	2.82E-10
FEV1FVC	HGS	cg14940449	rs112084731	T	C	0.553	0.086	0.021	1.54E-10	-0.005	0.008	0.495	0.011	40.956	TRUE	3.13E-10
FEV1FVC	HGS	cg14940449	rs145397742	G	A	0.476	0.067	0.038	8.70E-13	-0.007	0.006	0.285	0.014	51.089	TRUE	2.63E-12
FEV1FVC	HGS	cg14940449	rs4078290	C	T	0.549	0.028	0.220	1.04E-85	-0.002	0.003	0.476	0.094	384.738	TRUE	1.35E-81
FEV1FVC	HGS	cg14940449	rs7405522	C	G	0.179	0.025	0.334	2.68E-13	-0.002	0.003	0.468	0.014	53.401	TRUE	6.82E-13
FEV1FVC	HGS	cg16886672	rs35821128	A	G	0.325	0.050	0.056	9.38E-11	-0.011	0.005	0.027	0.011	41.924	TRUE	4.98E-10
FEV1FVC	HGS	cg20161132	rs35667637	T	C	0.440	0.051	0.054	9.76E-18	-0.012	0.005	0.023	0.019	73.522	TRUE	1.16E-16
FEV1FVC	HGS	cg22519420	rs3088016	C	A	-0.151	0.024	0.390	3.24E-10	-0.004	0.003	0.131	0.011	39.504	TRUE	1.04E-09
FEV1FVC	HGS	cg22519420	rs67519107	T	C	-0.598	0.051	0.056	1.18E-31	-0.014	0.005	0.010	0.036	136.971	TRUE	9.51E-30
FEV1FVC	HINT1	cg07158495	rs2278058	C	G	-0.221	0.030	0.202	8.93E-14	-0.006	0.003	0.051	0.015	55.559	TRUE	5.51E-13
FEV1FVC	HINT1	cg07158495	rs6596032	A	G	-0.182	0.030	0.192	9.73E-10	-0.003	0.003	0.313	0.010	37.359	TRUE	2.27E-09

FEV1FVC	HINT1	cg08523029	rs11242026	T	C	-0.242	0.028	0.239	2.10E-18	-0.006	0.003	0.030	0.020	76.549	TRUE	2.46E-17
FEV1FVC	HINT1	cg08523029	rs114142152	G	A	-1.274	0.165	0.011	1.01E-14	-0.014	0.012	0.253	0.016	59.845	TRUE	3.76E-14
FEV1FVC	HINT1	cg08523029	rs115866564	A	G	-0.627	0.083	0.020	4.44E-14	-0.021	0.008	0.006	0.015	56.932	TRUE	4.97E-13
FEV1FVC	HINT1	cg08523029	rs116518715	T	C	-0.590	0.080	0.019	2.10E-13	-0.002	0.007	0.767	0.014	53.880	TRUE	3.90E-13
FEV1FVC	HINT1	cg08523029	rs138203227	T	C	0.257	0.037	0.116	6.24E-12	0.004	0.004	0.334	0.013	47.227	TRUE	1.67E-11
FEV1FVC	HINT1	cg08523029	rs1557759	G	A	-0.182	0.027	0.249	1.83E-11	-0.004	0.003	0.201	0.012	45.119	TRUE	5.84E-11
FEV1FVC	HINT1	cg08523029	rs17169131	C	G	-0.954	0.025	0.204	<1E-200	-0.006	0.003	0.052	0.284	1467.221	TRUE	1.95E-280
FEV1FVC	HINT1	cg08523029	rs247276	T	C	-0.221	0.031	0.180	5.15E-13	0.000	0.003	0.991	0.014	52.119	TRUE	7.58E-13
FEV1FVC	HINT1	cg08523029	rs39897	C	T	-0.197	0.024	0.459	2.50E-16	-0.012	0.003	3.74E-06	0.018	67.126	TRUE	1.48E-14
FEV1FVC	HINT1	cg08523029	rs61256039	T	C	0.192	0.029	0.210	2.69E-11	-0.007	0.003	0.017	0.012	44.369	TRUE	1.66E-10
FEV1FVC	HINT1	cg08523029	rs80310948	A	G	-0.693	0.092	0.018	4.12E-14	0.008	0.009	0.384	0.015	57.080	TRUE	1.20E-13
FEV1FVC	HIPK2	cg00363312	rs10247507	A	G	0.230	0.034	0.140	1.18E-11	0.003	0.003	0.325	0.012	45.973	TRUE	3.10E-11
FEV1FVC	HIPK2	cg00363312	rs10954651	G	T	-0.353	0.034	0.335	9.22E-26	0.002	0.003	0.568	0.029	110.062	TRUE	5.00E-25
FEV1FVC	HIPK2	cg00363312	rs7781224	G	T	0.198	0.032	0.165	7.97E-10	0.005	0.003	0.161	0.010	37.748	TRUE	2.42E-09
FEV1FVC	HIPK2	cg01581050	rs74531640	G	A	-0.733	0.100	0.016	2.33E-13	-0.014	0.010	0.154	0.014	53.674	TRUE	9.48E-13
FEV1FVC	HIPK2	cg03202545	rs10954654	T	C	0.194	0.027	0.264	4.83E-13	0.005	0.003	0.055	0.014	52.244	TRUE	2.70E-12
FEV1FVC	HIPK2	cg03224163	rs1860509	G	T	-0.183	0.030	0.184	7.81E-10	0.008	0.003	0.009	0.010	37.787	TRUE	4.84E-09
FEV1FVC	HIPK2	cg03369382	rs11769961	C	A	-0.164	0.030	0.190	4.35E-08	0.008	0.003	0.011	0.008	29.972	TRUE	2.04E-07
FEV1FVC	HIPK2	cg03520802	rs193076588	G	C	-0.536	0.085	0.020	2.61E-10	-0.012	0.009	0.189	0.011	39.925	TRUE	7.65E-10
FEV1FVC	HIPK2	cg03520802	rs73156837	A	G	-1.758	0.098	0.017	1.17E-71	-0.015	0.010	0.130	0.080	320.261	TRUE	5.94E-68
FEV1FVC	HIPK2	cg11032313	rs4074827	A	G	-0.401	0.031	0.162	7.58E-38	0.009	0.003	0.005	0.043	165.285	TRUE	1.73E-35
FEV1FVC	HIPK2	cg11627968	rs10247507	A	G	-1.225	0.027	0.140	<1E-200	0.003	0.003	0.325	0.353	2022.154	TRUE	<1E-200
FEV1FVC	HIPK2	cg11627968	rs10262234	C	T	-0.200	0.030	0.199	4.54E-11	-0.002	0.003	0.459	0.012	43.343	TRUE	9.83E-11
FEV1FVC	HIPK2	cg11627968	rs10954651	G	T	0.242	0.034	0.335	1.15E-12	0.002	0.003	0.568	0.013	50.543	TRUE	2.52E-12
FEV1FVC	HIPK2	cg11627968	rs10954654	T	C	-0.315	0.027	0.264	4.33E-32	0.005	0.003	0.055	0.036	138.961	TRUE	1.74E-30
FEV1FVC	HIPK2	cg11627968	rs113802739	G	T	-1.091	0.177	0.011	7.84E-10	0.000	0.010	0.995	0.010	37.780	TRUE	1.02E-09
FEV1FVC	HIPK2	cg11627968	rs185429996	A	G	-1.091	0.095	0.027	9.60E-31	-0.001	0.006	0.826	0.035	132.810	TRUE	5.18E-30
FEV1FVC	HIPK2	cg11627968	rs2530731	C	G	-0.217	0.027	0.238	4.71E-16	-0.004	0.003	0.169	0.017	65.879	TRUE	2.35E-15
FEV1FVC	HIPK2	cg11627968	rs4725857	T	C	0.182	0.023	0.477	6.08E-15	-0.008	0.002	0.001	0.016	60.844	TRUE	1.04E-13
FEV1FVC	HIPK2	cg11627968	rs4732386	C	T	0.178	0.032	0.420	1.65E-08	-0.001	0.002	0.803	0.009	31.857	TRUE	2.33E-08
FEV1FVC	HIPK2	cg11627968	rs7781224	G	T	-0.694	0.031	0.165	1.93E-109	0.005	0.003	0.161	0.118	493.724	TRUE	1.18E-102
FEV1FVC	HIPK2	cg11627968	rs7785404	T	C	-0.265	0.026	0.298	5.99E-25	-0.004	0.003	0.103	0.028	106.354	TRUE	8.53E-24
FEV1FVC	HIPK2	cg11627968	rs7785516	C	T	0.301	0.054	0.117	2.45E-08	-0.003	0.004	0.420	0.008	31.082	TRUE	4.67E-08
FEV1FVC	HIPK2	cg11627968	rs7788362	A	G	-0.459	0.040	0.089	6.02E-30	0.007	0.004	0.104	0.034	129.167	TRUE	1.38E-28
FEV1FVC	HIPK2	cg11627968	rs9768699	C	T	-0.246	0.035	0.406	1.44E-12	0.002	0.003	0.500	0.013	50.100	TRUE	3.31E-12
FEV1FVC	HIPK2	cg14405813	rs10277664	T	C	0.212	0.024	0.404	4.06E-19	0.002	0.002	0.324	0.021	79.799	TRUE	1.89E-18
FEV1FVC	HIPK2	cg14405813	rs116909157	A	G	-0.634	0.098	0.014	9.17E-11	0.001	0.009	0.921	0.011	41.969	TRUE	1.31E-10
FEV1FVC	HIPK2	cg14405813	rs117869586	C	T	-0.538	0.069	0.026	5.91E-15	0.017	0.008	0.021	0.016	60.899	TRUE	5.27E-14
FEV1FVC	HIPK2	cg14405813	rs12703062	C	T	-0.720	0.029	0.184	9.95E-135	0.008	0.003	0.009	0.142	609.906	TRUE	3.80E-124
FEV1FVC	HIPK2	cg14405813	rs1978180	T	C	-0.244	0.035	0.136	1.73E-12	0.005	0.004	0.129	0.013	49.745	TRUE	6.86E-12
FEV1FVC	HIPK2	cg14405813	rs68067734	G	C	-0.612	0.095	0.014	9.44E-11	-0.007	0.010	0.458	0.011	41.912	TRUE	2.01E-10
FEV1FVC	HIPK2	cg14630106	rs12707451	C	T	0.145	0.024	0.472	1.35E-09	-0.005	0.002	0.035	0.010	36.726	TRUE	5.95E-09

FEV1FVC	HIPK2	cg14630106	rs150564919	G	A	-0.536	0.071	0.029	5.87E-14	0.004	0.007	0.566	0.015	56.385	TRUE	1.37E-13
FEV1FVC	HIPK2	cg14630106	rs73486021	C	A	-0.500	0.042	0.089	6.84E-33	0.001	0.004	0.841	0.037	142.623	TRUE	4.25E-32
FEV1FVC	HIPK2	cg14630106	rs9718393	G	C	-0.600	0.025	0.313	4.17E-132	0.004	0.003	0.112	0.139	597.855	TRUE	7.35E-123
FEV1FVC	HIPK2	cg15039797	rs112288696	C	T	-0.177	0.030	0.182	5.79E-09	0.008	0.003	0.009	0.009	33.887	TRUE	3.17E-08
FEV1FVC	HIPK2	cg15039797	rs41274212	C	T	-0.990	0.038	0.096	8.98E-152	0.007	0.004	0.069	0.157	688.234	TRUE	5.49E-140
FEV1FVC	HIPK2	cg15039797	rs7801393	C	T	0.195	0.030	0.195	6.82E-11	0.004	0.003	0.162	0.011	42.546	TRUE	2.22E-10
FEV1FVC	HIPK2	cg15535471	rs1464798	A	G	0.278	0.032	0.453	3.57E-18	0.002	0.002	0.417	0.020	75.504	TRUE	1.35E-17
FEV1FVC	HIPK2	cg18993778	rs10235001	T	C	-1.474	0.033	0.085	<1E-200	0.006	0.004	0.122	0.347	1966.070	TRUE	<1E-200
FEV1FVC	HIPK2	cg18993778	rs10247507	A	G	-0.313	0.034	0.140	2.92E-20	0.003	0.003	0.325	0.022	84.997	TRUE	1.45E-19
FEV1FVC	HIPK2	cg18993778	rs139128188	C	T	-1.175	0.161	0.013	2.42E-13	0.008	0.011	0.461	0.014	53.604	TRUE	6.07E-13
FEV1FVC	HIPK2	cg18993778	rs4732393	C	T	0.212	0.034	0.335	5.78E-10	0.000	0.003	0.989	0.010	38.374	TRUE	7.52E-10
FEV1FVC	HIPK2	cg18993778	rs78068411	T	C	-0.489	0.053	0.097	4.05E-20	0.009	0.004	0.019	0.022	84.350	TRUE	6.59E-19
FEV1FVC	HIPK2	cg18993778	rs9801309	C	T	-0.231	0.042	0.188	2.60E-08	0.003	0.003	0.362	0.008	30.966	TRUE	5.20E-08
FEV1FVC	HIPK2	cg19246654	rs10276928	T	C	-0.784	0.038	0.097	4.51E-93	0.008	0.004	0.055	0.102	418.547	TRUE	2.34E-87
FEV1FVC	HIPK2	cg19246654	rs78068411	T	C	-0.295	0.054	0.097	3.62E-08	0.009	0.004	0.019	0.008	30.327	TRUE	1.53E-07
FEV1FVC	HIPK2	cg22164250	rs6952940	T	C	-0.451	0.082	0.020	4.40E-08	-0.010	0.009	0.253	0.008	29.950	TRUE	9.84E-08
FEV1FVC	HIPK2	cg22164250	rs73156853	G	C	-1.304	0.100	0.016	8.53E-39	-0.016	0.010	0.126	0.044	169.627	TRUE	4.66E-37
FEV1FVC	HIPK2	cg23646343	rs1464798	A	G	0.455	0.032	0.453	7.81E-47	0.002	0.002	0.417	0.053	206.428	TRUE	4.36E-45
FEV1FVC	HIPK2	cg23646343	rs6974895	G	C	-0.221	0.035	0.146	1.87E-10	0.002	0.004	0.588	0.011	40.573	TRUE	3.47E-10
FEV1FVC	HIPK2	cg23999318	rs1464798	A	G	0.258	0.032	0.453	1.00E-15	0.002	0.002	0.417	0.017	64.390	TRUE	3.18E-15
FEV1FVC	HIPK2	cg24038192	rs10241798	C	T	-0.503	0.037	0.110	6.04E-42	0.004	0.004	0.234	0.047	184.042	TRUE	3.07E-40
FEV1FVC	HIPK2	cg24540732	rs73156838	C	T	-1.177	0.098	0.017	5.50E-33	-0.015	0.010	0.147	0.037	143.055	TRUE	1.44E-31
FEV1FVC	HSPA8	cg10886020	rs10790553	A	G	0.144	0.024	0.390	1.31E-09	-0.002	0.002	0.388	0.010	36.786	TRUE	2.80E-09
FEV1FVC	HSPA8	cg10886020	rs184504644	A	G	0.656	0.090	0.019	3.91E-13	-0.015	0.009	0.103	0.014	52.658	TRUE	1.80E-12
FEV1FVC	HSPA8	cg10886020	rs77274954	C	A	0.883	0.055	0.047	1.95E-58	-0.011	0.006	0.044	0.066	259.601	TRUE	2.72E-55
FEV1FVC	HSPA8	cg15355227	rs116365065	A	G	0.658	0.080	0.021	1.54E-16	-0.010	0.008	0.197	0.018	68.083	TRUE	7.38E-16
FEV1FVC	HYAL2	cg07271561	rs114541445	G	A	-0.652	0.100	0.013	8.57E-11	-0.013	0.010	0.188	0.011	42.101	TRUE	2.62E-10
FEV1FVC	HYAL2	cg07271561	rs142774456	G	C	-0.573	0.096	0.017	2.23E-09	0.001	0.009	0.880	0.010	35.742	TRUE	3.10E-09
FEV1FVC	HYAL2	cg07271561	rs2073499	G	A	-0.662	0.034	0.131	1.41E-85	0.002	0.003	0.640	0.094	384.138	TRUE	1.19E-81
FEV1FVC	HYAL2	cg07271561	rs2236952	G	C	-0.168	0.028	0.223	1.39E-09	0.003	0.003	0.388	0.010	36.662	TRUE	2.96E-09
FEV1FVC	HYAL2	cg07271561	rs2526386	C	T	-0.241	0.031	0.164	6.61E-15	0.012	0.003	1.81E-04	0.016	60.679	TRUE	1.67E-13
FEV1FVC	HYAL2	cg07271561	rs2526399	T	C	-0.647	0.075	0.025	4.31E-18	0.014	0.007	0.046	0.020	75.132	TRUE	4.22E-17
FEV1FVC	HYAL2	cg07271561	rs79685183	T	C	-0.487	0.087	0.018	2.49E-08	0.016	0.008	0.057	0.008	31.054	TRUE	8.43E-08
FEV1FVC	HYAL2	cg12150256	rs7642692	C	T	-0.343	0.038	0.104	4.18E-19	0.009	0.004	0.024	0.021	79.741	TRUE	5.78E-18
FEV1FVC	HYAL2	cg12976582	rs12629572	G	T	-0.523	0.037	0.108	2.65E-44	0.007	0.004	0.053	0.050	194.840	TRUE	4.77E-42
FEV1FVC	HYAL2	cg12976582	rs9311447	T	C	-0.533	0.088	0.017	1.09E-09	0.015	0.008	0.059	0.010	37.128	TRUE	4.25E-09
FEV1FVC	HYAL2	cg13341668	rs12493985	G	T	-0.209	0.033	0.150	3.13E-10	0.008	0.003	0.017	0.011	39.573	TRUE	1.69E-09
FEV1FVC	HYAL2	cg13341668	rs12629572	G	T	-0.468	0.038	0.108	1.00E-35	0.007	0.004	0.053	0.040	155.578	TRUE	6.29E-34
FEV1FVC	ICAM1	cg02776148	rs118167853	T	C	0.703	0.091	0.015	1.29E-14	0.008	0.010	0.393	0.016	59.361	TRUE	3.85E-14
FEV1FVC	ICAM1	cg02776148	rs12972990	G	T	0.258	0.023	0.436	4.93E-29	-0.005	0.002	0.031	0.033	124.996	TRUE	1.82E-27
FEV1FVC	ICAM1	cg24354612	rs281436	A	G	-0.201	0.025	0.310	2.11E-15	0.011	0.003	1.87E-05	0.017	62.929	TRUE	8.13E-14
FEV1FVC	ICAM4	cg00500176	rs149324369	T	G	-0.373	0.065	0.034	1.05E-08	0.003	0.007	0.662	0.009	32.725	TRUE	1.67E-08

FEV1FVC	ICAM4	cg00500176	rs17852402	A	G	0.194	0.033	0.140	4.58E-09	-0.003	0.003	0.421	0.009	34.340	TRUE	9.06E-09
FEV1FVC	ICAM4	cg00500176	rs281427	T	C	0.215	0.031	0.160	8.18E-12	-0.002	0.003	0.572	0.012	46.698	TRUE	1.68E-11
FEV1FVC	ICAM4	cg00500176	rs281436	A	G	-0.509	0.025	0.310	6.06E-94	0.011	0.003	1.87E-05	0.103	422.551	TRUE	3.00E-86
FEV1FVC	ICAM4	cg00500176	rs61223991	T	C	-0.215	0.039	0.100	3.93E-08	0.002	0.004	0.640	0.008	30.168	TRUE	6.13E-08
FEV1FVC	ICAM4	cg00500176	rs78064630	A	G	-0.281	0.043	0.082	6.85E-11	0.016	0.005	3.30E-04	0.011	42.538	TRUE	8.43E-10
FEV1FVC	ICAM4	cg00500176	rs8101365	T	C	-0.187	0.028	0.246	1.22E-11	-0.002	0.003	0.567	0.012	45.915	TRUE	2.46E-11
FEV1FVC	ICAM4	cg20036207	rs10411056	C	A	-0.470	0.040	0.083	3.47E-31	0.005	0.004	0.203	0.035	134.831	TRUE	6.27E-30
FEV1FVC	ICAM4	cg20036207	rs10420549	C	T	0.258	0.024	0.422	6.01E-27	-0.008	0.002	4.99E-04	0.030	115.473	TRUE	6.40E-25
FEV1FVC	ICAM4	cg20036207	rs11666992	C	T	0.290	0.045	0.075	1.01E-10	-0.003	0.004	0.446	0.011	41.771	TRUE	2.20E-10
FEV1FVC	ICAM4	cg20036207	rs140752376	A	G	0.446	0.070	0.031	1.91E-10	0.013	0.007	0.062	0.011	40.532	TRUE	7.93E-10
FEV1FVC	ICAM4	cg20036207	rs144468331	G	C	-0.505	0.059	0.036	9.38E-18	0.012	0.006	0.030	0.020	73.598	TRUE	1.01E-16
FEV1FVC	ICAM4	cg20036207	rs145427182	A	G	-0.491	0.079	0.024	5.48E-10	0.011	0.008	0.173	0.010	38.478	TRUE	1.61E-09
FEV1FVC	ICAM4	cg20036207	rs17852402	A	G	0.360	0.033	0.140	1.22E-27	-0.003	0.003	0.421	0.031	118.640	TRUE	9.38E-27
FEV1FVC	ICAM4	cg20036207	rs1799969	A	G	0.392	0.036	0.125	2.51E-28	-0.014	0.004	1.56E-04	0.032	121.766	TRUE	4.51E-26
FEV1FVC	ICAM4	cg20036207	rs2017213	A	T	-0.158	0.024	0.400	3.07E-11	0.009	0.002	8.91E-05	0.012	44.111	TRUE	4.90E-10
FEV1FVC	ICAM4	cg20036207	rs2358581	T	G	0.531	0.026	0.254	2.40E-92	-0.005	0.003	0.094	0.101	415.212	TRUE	6.64E-87
FEV1FVC	ICAM4	cg20036207	rs2569507	A	G	0.212	0.024	0.476	2.86E-19	-0.008	0.002	6.48E-04	0.021	80.489	TRUE	1.03E-17
FEV1FVC	ICAM4	cg20036207	rs280497	A	G	0.326	0.023	0.481	2.01E-44	-0.009	0.002	2.89E-04	0.050	195.394	TRUE	3.09E-41
FEV1FVC	ICAM4	cg20036207	rs281416	A	G	0.521	0.024	0.356	1.37E-105	-0.008	0.003	0.002	0.114	476.033	TRUE	1.01E-97
FEV1FVC	ICAM4	cg20036207	rs281431	C	T	-0.785	0.021	0.395	<1E-200	0.006	0.002	0.019	0.278	1425.032	TRUE	1.49E-272
FEV1FVC	ICAM4	cg20036207	rs3181050	T	C	-0.614	0.051	0.062	3.45E-33	0.001	0.005	0.904	0.037	143.978	TRUE	2.02E-32
FEV1FVC	ICAM4	cg20036207	rs35948484	G	C	-0.235	0.041	0.096	9.77E-09	0.002	0.004	0.635	0.009	32.868	TRUE	1.58E-08
FEV1FVC	ICAM4	cg20036207	rs4611572	C	G	-0.266	0.024	0.405	6.26E-29	0.001	0.002	0.758	0.033	124.522	TRUE	3.17E-28
FEV1FVC	ICAM4	cg20036207	rs4804511	C	T	-0.199	0.027	0.259	2.35E-13	0.002	0.003	0.433	0.014	53.662	TRUE	6.11E-13
FEV1FVC	ICAM4	cg20036207	rs74956615	A	T	0.639	0.080	0.039	1.17E-15	0.015	0.005	0.006	0.017	64.084	TRUE	1.56E-14
FEV1FVC	ICAM4	cg20036207	rs75161693	C	T	-0.748	0.046	0.074	1.45E-60	0.005	0.005	0.322	0.068	269.362	TRUE	6.00E-58
FEV1FVC	ICAM4	cg20036207	rs75239980	C	G	-0.446	0.041	0.083	4.89E-28	0.005	0.004	0.259	0.032	120.445	TRUE	5.49E-27
FEV1FVC	ICAM4	cg20036207	rs80066865	G	C	0.400	0.061	0.042	4.05E-11	-0.010	0.006	0.076	0.012	43.565	TRUE	1.70E-10
FEV1FVC	ICAM4	cg20036207	rs8103246	G	A	0.408	0.042	0.080	1.41E-22	-0.005	0.004	0.217	0.025	95.540	TRUE	1.10E-21
FEV1FVC	ICAM4	cg20036207	rs8106605	G	T	0.192	0.032	0.165	1.31E-09	-0.004	0.003	0.221	0.010	36.773	TRUE	3.49E-09
FEV1FVC	ICAM4	cg20036207	rs8107814	T	C	0.233	0.039	0.104	1.79E-09	-0.001	0.004	0.896	0.010	36.174	TRUE	2.45E-09
FEV1FVC	ICAM4	cg20036207	rs8108428	A	G	-0.147	0.026	0.287	9.44E-09	0.005	0.003	0.041	0.009	32.935	TRUE	3.70E-08
FEV1FVC	IDUA	cg00187933	rs4505759	T	C	-0.196	0.026	0.303	3.62E-14	0.003	0.003	0.291	0.015	57.336	TRUE	1.19E-13
FEV1FVC	IDUA	cg00187933	rs6827815	G	C	0.329	0.033	0.153	2.70E-23	0.013	0.003	7.70E-05	0.026	98.811	TRUE	2.65E-21
FEV1FVC	IDUA	cg00247629	rs11248057	G	C	-0.222	0.027	0.266	9.62E-17	0.004	0.003	0.164	0.018	69.009	TRUE	5.16E-16
FEV1FVC	IDUA	cg00247629	rs13143527	A	G	0.155	0.024	0.392	1.54E-10	0.002	0.003	0.357	0.011	40.958	TRUE	3.61E-10
FEV1FVC	IDUA	cg00810208	rs113289555	T	G	0.198	0.028	0.236	2.16E-12	-0.002	0.003	0.475	0.013	49.309	TRUE	5.05E-12
FEV1FVC	IDUA	cg01572696	rs10010999	C	T	0.382	0.024	0.431	3.65E-58	-0.002	0.002	0.373	0.065	258.356	TRUE	8.96E-56
FEV1FVC	IDUA	cg01572696	rs113130883	T	C	-0.155	0.028	0.228	4.00E-08	-0.003	0.003	0.282	0.008	30.132	TRUE	8.63E-08
FEV1FVC	IDUA	cg01572696	rs114358991	A	G	0.424	0.055	0.053	1.63E-14	0.019	0.006	9.24E-04	0.016	58.897	TRUE	2.92E-13
FEV1FVC	IDUA	cg01572696	rs11725653	T	C	-0.332	0.037	0.115	1.35E-19	0.003	0.004	0.449	0.022	81.973	TRUE	5.33E-19
FEV1FVC	IDUA	cg01572696	rs13140868	T	C	-0.235	0.035	0.132	1.09E-11	-0.004	0.004	0.299	0.012	46.127	TRUE	2.99E-11

FEV1FVC	IDUA	cg01572696	rs17131820	C	G	0.206	0.034	0.141	2.08E-09	0.003	0.003	0.414	0.010	35.878	TRUE	4.20E-09
FEV1FVC	IDUA	cg01572696	rs34869253	C	T	0.162	0.024	0.430	1.39E-11	0.003	0.002	0.220	0.012	45.664	TRUE	4.33E-11
FEV1FVC	IDUA	cg01572696	rs3816474	G	A	-0.209	0.028	0.218	1.22E-13	0.000	0.003	0.993	0.015	54.952	TRUE	1.84E-13
FEV1FVC	IDUA	cg01572696	rs4647932	T	C	-0.822	0.049	0.065	1.55E-62	0.003	0.005	0.604	0.070	278.407	TRUE	3.92E-60
FEV1FVC	IDUA	cg01572696	rs4690221	T	C	0.325	0.024	0.402	3.65E-43	-0.009	0.002	3.19E-04	0.049	189.624	TRUE	4.89E-40
FEV1FVC	IDUA	cg01572696	rs4974591	A	G	0.202	0.026	0.320	3.13E-15	-0.001	0.003	0.683	0.017	62.147	TRUE	6.83E-15
FEV1FVC	IDUA	cg01572696	rs6826191	G	A	-0.155	0.024	0.353	1.75E-10	0.002	0.003	0.381	0.011	40.709	TRUE	3.99E-10
FEV1FVC	IDUA	cg01572696	rs76638961	C	A	0.482	0.052	0.051	3.55E-20	-0.002	0.005	0.642	0.022	84.609	TRUE	1.12E-19
FEV1FVC	IDUA	cg01962146	rs10010999	C	T	0.190	0.024	0.431	2.53E-15	-0.002	0.002	0.373	0.017	62.567	TRUE	8.05E-15
FEV1FVC	IDUA	cg01962146	rs2305489	T	G	-0.446	0.050	0.066	5.42E-19	0.004	0.005	0.395	0.021	79.226	TRUE	2.20E-18
FEV1FVC	IDUA	cg01962146	rs4690221	T	C	0.184	0.024	0.402	8.44E-15	-0.009	0.002	3.19E-04	0.016	60.197	TRUE	1.92E-13
FEV1FVC	IDUA	cg01962146	rs76638961	C	A	0.312	0.053	0.051	2.72E-09	-0.002	0.005	0.642	0.009	35.354	TRUE	4.51E-09
FEV1FVC	IDUA	cg03889767	rs1078138	T	C	-0.287	0.030	0.193	4.00E-22	0.004	0.003	0.171	0.025	93.479	TRUE	3.43E-21
FEV1FVC	IDUA	cg03889767	rs11946340	T	C	0.261	0.036	0.401	4.20E-13	0.000	0.003	0.901	0.014	52.517	TRUE	6.74E-13
FEV1FVC	IDUA	cg03889767	rs151010222	T	C	-0.996	0.095	0.015	1.31E-25	-0.015	0.010	0.133	0.029	109.372	TRUE	1.70E-24
FEV1FVC	IDUA	cg03889767	rs188911015	A	G	-0.998	0.068	0.030	2.94E-48	-0.014	0.007	0.053	0.054	212.955	TRUE	8.87E-46
FEV1FVC	IDUA	cg03889767	rs28569895	T	A	-0.320	0.030	0.193	5.08E-27	-0.002	0.003	0.595	0.030	115.806	TRUE	2.84E-26
FEV1FVC	IDUA	cg03889767	rs3806760	A	G	-0.288	0.025	0.327	8.18E-31	0.000	0.003	0.957	0.035	133.126	TRUE	3.65E-30
FEV1FVC	IDUA	cg03889767	rs4569707	G	C	-0.149	0.026	0.278	1.39E-08	-0.011	0.003	6.13E-05	0.009	32.177	TRUE	1.51E-07
FEV1FVC	IDUA	cg03889767	rs56968267	G	A	0.183	0.024	0.461	1.45E-14	-0.001	0.002	0.616	0.016	59.128	TRUE	3.32E-14
FEV1FVC	IDUA	cg03889767	rs6848199	T	C	-0.291	0.024	0.363	5.23E-34	-0.009	0.002	1.55E-04	0.038	147.726	TRUE	2.27E-31
FEV1FVC	IDUA	cg03889767	rs75675915	G	T	-0.458	0.072	0.030	2.39E-10	0.002	0.007	0.799	0.011	40.094	TRUE	3.69E-10
FEV1FVC	IDUA	cg03889767	rs77186370	A	C	-1.039	0.117	0.016	5.29E-19	0.004	0.009	0.635	0.021	79.276	TRUE	1.58E-18
FEV1FVC	IDUA	cg03889767	rs78564282	A	C	-0.593	0.057	0.042	8.72E-26	-0.009	0.006	0.113	0.029	110.172	TRUE	1.28E-24
FEV1FVC	IDUA	cg03889767	rs80269477	T	G	-1.201	0.082	0.043	9.84E-49	0.000	0.006	0.972	0.055	215.131	TRUE	2.28E-47
FEV1FVC	IDUA	cg04508482	rs1131853	C	T	-0.178	0.029	0.221	4.56E-10	0.012	0.003	4.87E-05	0.010	38.835	TRUE	6.55E-09
FEV1FVC	IDUA	cg04508482	rs201682298	T	C	-0.838	0.096	0.016	2.43E-18	0.024	0.008	0.004	0.020	76.262	TRUE	5.06E-17
FEV1FVC	IDUA	cg05327835	rs1131853	C	T	-0.183	0.029	0.221	2.51E-10	0.012	0.003	4.87E-05	0.011	40.004	TRUE	3.76E-09
FEV1FVC	IDUA	cg08160350	rs115790973	G	C	0.428	0.033	0.154	2.17E-38	0.014	0.003	3.50E-05	0.043	167.769	TRUE	2.66E-35
FEV1FVC	IDUA	cg08160350	rs17165126	C	G	0.498	0.084	0.021	2.94E-09	0.007	0.008	0.364	0.009	35.207	TRUE	6.24E-09
FEV1FVC	IDUA	cg08160350	rs4505759	T	C	-0.182	0.026	0.303	2.64E-12	0.003	0.003	0.291	0.013	48.909	TRUE	7.60E-12
FEV1FVC	IDUA	cg08160350	rs7680381	A	G	-0.146	0.024	0.366	2.38E-09	0.002	0.003	0.532	0.010	35.619	TRUE	4.32E-09
FEV1FVC	IDUA	cg08332990	rs115790973	G	C	0.297	0.033	0.154	3.48E-19	0.014	0.003	3.50E-05	0.021	80.103	TRUE	2.28E-17
FEV1FVC	IDUA	cg08332990	rs4505759	T	C	-0.168	0.026	0.303	1.17E-10	0.003	0.003	0.291	0.011	41.490	TRUE	2.99E-10
FEV1FVC	IDUA	cg14652403	rs12505896	C	T	0.146	0.026	0.322	1.15E-08	-0.001	0.003	0.672	0.009	32.544	TRUE	1.81E-08
FEV1FVC	IDUA	cg14652403	rs13143527	A	G	0.212	0.024	0.392	1.41E-18	0.002	0.003	0.357	0.020	77.335	TRUE	5.91E-18
FEV1FVC	IDUA	cg14652403	rs187658856	C	G	-0.298	0.037	0.108	1.14E-15	0.003	0.004	0.374	0.017	64.137	TRUE	3.77E-15
FEV1FVC	IDUA	cg14652403	rs3736083	C	T	0.140	0.023	0.449	1.70E-09	-0.002	0.002	0.334	0.010	36.272	TRUE	3.80E-09
FEV1FVC	IDUA	cg14652403	rs4690326	A	C	-0.319	0.023	0.476	6.05E-44	0.006	0.002	0.012	0.050	193.196	TRUE	2.14E-41
FEV1FVC	IDUA	cg14652403	rs76638961	C	A	0.328	0.052	0.051	4.08E-10	-0.002	0.005	0.642	0.010	39.051	TRUE	7.07E-10
FEV1FVC	IDUA	cg14652403	rs77060135	G	A	0.217	0.040	0.102	4.83E-08	-0.012	0.004	0.002	0.008	29.766	TRUE	2.89E-07
FEV1FVC	IDUA	cg15058036	rs113881148	C	A	0.144	0.024	0.378	1.48E-09	0.005	0.003	0.055	0.010	36.545	TRUE	5.64E-09

FEV1FVC	IDUA	cg15138543	rs10471249	C	T	-0.451	0.033	0.135	4.39E-42	0.002	0.003	0.579	0.048	184.678	TRUE	1.01E-40
FEV1FVC	IDUA	cg15138543	rs113289555	T	G	-0.288	0.028	0.236	4.93E-24	-0.002	0.003	0.475	0.027	102.180	TRUE	2.64E-23
FEV1FVC	IDUA	cg15138543	rs114081332	T	G	-0.326	0.058	0.052	1.48E-08	-0.001	0.005	0.813	0.009	32.063	TRUE	2.09E-08
FEV1FVC	IDUA	cg15138543	rs115657987	A	G	0.622	0.088	0.018	1.14E-12	0.002	0.009	0.866	0.013	50.559	TRUE	1.86E-12
FEV1FVC	IDUA	cg15138543	rs11723514	A	G	0.225	0.027	0.250	6.59E-17	0.000	0.003	0.987	0.019	69.755	TRUE	1.17E-16
FEV1FVC	IDUA	cg15138543	rs11723986	A	G	0.148	0.024	0.342	1.61E-09	-0.001	0.003	0.590	0.010	36.376	TRUE	2.86E-09
FEV1FVC	IDUA	cg15138543	rs11726436	G	A	-0.152	0.024	0.462	1.34E-10	-0.002	0.002	0.445	0.011	41.224	TRUE	2.85E-10
FEV1FVC	IDUA	cg15138543	rs11736181	T	C	-0.414	0.031	0.181	4.94E-41	0.003	0.003	0.299	0.046	179.864	TRUE	1.86E-39
FEV1FVC	IDUA	cg15138543	rs117560503	A	G	0.543	0.088	0.020	8.39E-10	0.005	0.009	0.538	0.010	37.647	TRUE	1.56E-09
FEV1FVC	IDUA	cg15138543	rs11946340	T	C	0.239	0.036	0.401	3.20E-11	0.000	0.003	0.901	0.012	44.025	TRUE	4.71E-11
FEV1FVC	IDUA	cg15138543	rs13130034	C	T	-0.278	0.046	0.071	1.40E-09	-0.012	0.005	0.008	0.010	36.653	TRUE	8.25E-09
FEV1FVC	IDUA	cg15138543	rs138298498	A	G	0.592	0.059	0.040	7.43E-24	0.006	0.006	0.268	0.027	101.367	TRUE	5.63E-23
FEV1FVC	IDUA	cg15138543	rs2045064	C	T	0.697	0.063	0.039	1.04E-28	0.004	0.006	0.537	0.032	123.516	TRUE	7.32E-28
FEV1FVC	IDUA	cg15138543	rs28671147	A	G	0.946	0.019	0.345	<1E-200	0.005	0.003	0.059	0.403	2493.113	TRUE	<1E-200
FEV1FVC	IDUA	cg15138543	rs34884217	C	A	-0.374	0.040	0.104	4.41E-21	-0.012	0.004	0.003	0.023	88.732	TRUE	1.45E-19
FEV1FVC	IDUA	cg15138543	rs3796610	C	T	0.230	0.024	0.410	3.98E-22	0.006	0.002	0.015	0.025	93.491	TRUE	8.93E-21
FEV1FVC	IDUA	cg15138543	rs3822028	C	T	-0.270	0.035	0.125	2.66E-14	0.001	0.004	0.838	0.015	57.943	TRUE	4.78E-14
FEV1FVC	IDUA	cg15138543	rs4647931	T	G	-0.459	0.084	0.017	4.02E-08	-0.011	0.008	0.149	0.008	30.124	TRUE	1.06E-07
FEV1FVC	IDUA	cg15138543	rs4690222	G	A	0.301	0.023	0.439	1.57E-38	0.002	0.002	0.521	0.044	168.413	TRUE	2.88E-37
FEV1FVC	IDUA	cg15138543	rs56845396	A	G	-0.315	0.030	0.197	2.08E-26	0.005	0.003	0.131	0.030	113.010	TRUE	2.89E-25
FEV1FVC	IDUA	cg15138543	rs57186616	A	G	-0.272	0.032	0.155	4.86E-17	0.002	0.003	0.467	0.019	70.353	TRUE	1.58E-16
FEV1FVC	IDUA	cg15138543	rs60035268	A	G	0.404	0.031	0.178	5.34E-39	-0.003	0.003	0.431	0.044	170.556	TRUE	1.22E-37
FEV1FVC	IDUA	cg15138543	rs62286765	G	A	-0.200	0.034	0.143	3.40E-09	-0.007	0.003	0.034	0.009	34.920	TRUE	1.43E-08
FEV1FVC	IDUA	cg15138543	rs6599389	A	G	0.696	0.044	0.080	1.14E-57	0.005	0.005	0.251	0.065	256.094	TRUE	3.96E-55
FEV1FVC	IDUA	cg15138543	rs73209888	G	A	0.646	0.053	0.050	1.02E-33	-0.001	0.005	0.839	0.038	146.399	TRUE	6.85E-33
FEV1FVC	IDUA	cg15138543	rs76048788	T	C	0.229	0.034	0.149	1.80E-11	0.013	0.003	1.35E-04	0.012	45.151	TRUE	2.77E-10
FEV1FVC	IDUA	cg15138543	rs76451154	A	G	-0.312	0.028	0.224	3.14E-29	-0.011	0.003	1.40E-04	0.033	125.887	TRUE	6.97E-27
FEV1FVC	IDUA	cg15138543	rs76643823	A	G	-0.386	0.042	0.084	1.75E-20	-0.006	0.004	0.145	0.023	86.012	TRUE	1.38E-19
FEV1FVC	IDUA	cg15138543	rs900030	C	T	0.335	0.043	0.084	1.08E-14	0.007	0.005	0.129	0.016	59.714	TRUE	5.20E-14
FEV1FVC	IDUA	cg21616051	rs1064839	G	C	0.222	0.026	0.289	4.80E-17	-0.001	0.003	0.671	0.019	70.381	TRUE	1.19E-16
FEV1FVC	IDUA	cg21616051	rs116652272	T	C	-1.383	0.088	0.017	4.40E-56	0.003	0.009	0.783	0.063	248.815	TRUE	3.34E-54
FEV1FVC	IDUA	cg21616051	rs11723514	A	G	-0.225	0.027	0.250	7.85E-17	0.000	0.003	0.987	0.018	69.409	TRUE	1.38E-16
FEV1FVC	IDUA	cg21616051	rs11931773	C	G	0.252	0.028	0.216	7.67E-19	0.005	0.003	0.075	0.021	78.541	TRUE	6.82E-18
FEV1FVC	IDUA	cg21616051	rs138298498	A	G	-1.430	0.057	0.040	1.73E-140	0.006	0.006	0.268	0.147	636.375	TRUE	8.90E-131
FEV1FVC	IDUA	cg21616051	rs141985622	T	A	-0.892	0.106	0.026	4.99E-17	0.000	0.007	0.968	0.019	70.301	TRUE	9.19E-17
FEV1FVC	IDUA	cg21616051	rs147786984	A	G	-0.543	0.038	0.102	1.55E-46	0.001	0.004	0.908	0.053	205.066	TRUE	3.20E-45
FEV1FVC	IDUA	cg21616051	rs2279183	C	T	0.284	0.031	0.183	3.34E-20	0.004	0.003	0.209	0.022	84.731	TRUE	2.13E-19
FEV1FVC	IDUA	cg21616051	rs34884217	C	A	0.286	0.040	0.104	6.32E-13	-0.012	0.004	0.003	0.014	51.718	TRUE	7.32E-12
FEV1FVC	IDUA	cg21616051	rs3822020	A	G	-0.675	0.023	0.357	2.63E-187	0.005	0.003	0.052	0.187	851.571	TRUE	1.16E-170
FEV1FVC	IDUA	cg21616051	rs3822022	G	A	-0.231	0.025	0.314	6.15E-20	0.001	0.003	0.665	0.022	83.524	TRUE	1.85E-19
FEV1FVC	IDUA	cg21616051	rs3822028	C	T	0.219	0.036	0.125	7.05E-10	0.001	0.004	0.838	0.010	37.987	TRUE	1.03E-09
FEV1FVC	IDUA	cg21616051	rs4690222	G	A	-0.234	0.023	0.439	1.29E-23	0.002	0.002	0.521	0.026	100.280	TRUE	6.30E-23

FEV1FVC	IDUA	cg21616051	rs60035268	A	G	-0.257	0.031	0.178	1.72E-16	-0.003	0.003	0.431	0.018	67.861	TRUE	5.64E-16
FEV1FVC	IDUA	cg21616051	rs62295555	T	C	0.251	0.041	0.086	1.08E-09	0.001	0.004	0.828	0.010	37.160	TRUE	1.58E-09
FEV1FVC	IDUA	cg21616051	rs73209899	A	G	-0.388	0.053	0.052	1.89E-13	0.000	0.005	0.937	0.014	54.084	TRUE	3.01E-13
FEV1FVC	IDUA	cg21616051	rs76643823	A	G	0.248	0.042	0.084	3.09E-09	-0.006	0.004	0.145	0.009	35.104	TRUE	9.12E-09
FEV1FVC	IDUA	cg21616051	rs900030	C	T	-0.423	0.043	0.084	1.24E-22	0.007	0.005	0.129	0.025	95.793	TRUE	1.22E-21
FEV1FVC	IDUA	cg21628539	rs6829197	C	G	-0.206	0.030	0.193	6.62E-12	0.006	0.003	0.048	0.013	47.112	TRUE	3.46E-11
FEV1FVC	IDUA	cg23332689	rs10016294	G	A	-0.153	0.024	0.368	1.27E-10	-0.009	0.002	2.15E-04	0.011	41.338	TRUE	1.66E-09
FEV1FVC	IDUA	cg23332689	rs1250089	C	T	0.143	0.024	0.418	1.61E-09	0.002	0.002	0.425	0.010	36.378	TRUE	3.27E-09
FEV1FVC	IDUA	cg23332689	rs145316354	A	G	0.430	0.068	0.035	2.59E-10	0.023	0.007	0.002	0.011	39.940	TRUE	2.29E-09
FEV1FVC	IDUA	cg23332689	rs187393339	G	A	0.356	0.031	0.162	6.12E-30	0.004	0.003	0.245	0.034	129.133	TRUE	8.75E-29
FEV1FVC	IDUA	cg23332689	rs34406303	C	G	0.595	0.042	0.083	5.19E-46	0.000	0.004	0.983	0.052	202.663	TRUE	8.85E-45
FEV1FVC	IDUA	cg23332689	rs4690222	G	A	-0.159	0.023	0.439	5.64E-12	0.002	0.002	0.521	0.013	47.425	TRUE	1.24E-11
FEV1FVC	IDUA	cg23332689	rs6829197	C	G	-0.218	0.030	0.193	2.38E-13	0.006	0.003	0.048	0.014	53.633	TRUE	1.44E-12
FEV1FVC	IDUA	cg23332689	rs6837180	A	G	-0.133	0.023	0.417	1.40E-08	0.004	0.003	0.120	0.009	32.172	TRUE	4.07E-08
FEV1FVC	IDUA	cg27494429	rs34311866	C	T	-0.270	0.033	0.179	6.03E-16	0.005	0.003	0.109	0.017	65.394	TRUE	3.53E-15
FEV1FVC	IDUA	cg27494429	rs4647940	G	C	0.268	0.036	0.150	1.51E-13	0.014	0.003	6.55E-05	0.015	54.525	TRUE	3.62E-12
FEV1FVC	IDUA	cg27494429	rs873785	C	T	0.211	0.026	0.373	4.29E-16	-0.007	0.002	0.003	0.018	66.061	TRUE	7.34E-15
FEV1FVC	IKBKE	cg11166312	rs11576885	G	C	-0.173	0.024	0.377	7.46E-13	0.004	0.003	0.122	0.014	51.391	TRUE	3.10E-12
FEV1FVC	IKBKE	cg11166312	rs2026081	C	T	0.212	0.030	0.185	1.47E-12	-0.001	0.003	0.650	0.013	50.060	TRUE	2.92E-12
FEV1FVC	IKBKE	cg11166312	rs2151222	G	A	0.474	0.027	0.248	1.74E-71	-0.005	0.003	0.061	0.079	319.464	TRUE	1.61E-67
FEV1FVC	IKBKE	cg11739399	rs2483064	G	A	0.163	0.027	0.257	2.25E-09	-0.004	0.003	0.163	0.010	35.725	TRUE	6.45E-09
FEV1FVC	IKBKE	cg11739399	rs4532836	G	A	0.812	0.105	0.028	1.09E-14	-0.009	0.007	0.178	0.016	59.697	TRUE	4.65E-14
FEV1FVC	IKBKE	cg11739399	rs4844539	A	G	-0.315	0.023	0.461	4.25E-41	0.007	0.002	0.003	0.046	180.162	TRUE	1.91E-38
FEV1FVC	IKBKE	cg16619193	rs1539243	T	C	-0.236	0.033	0.157	3.90E-13	-0.003	0.003	0.324	0.014	52.665	TRUE	1.16E-12
FEV1FVC	IKBKE	cg20530056	rs1539243	T	C	-0.182	0.033	0.157	2.16E-08	-0.003	0.003	0.324	0.008	31.332	TRUE	4.56E-08
FEV1FVC	IKBKE	cg20530056	rs2297550	G	C	0.366	0.035	0.131	1.88E-25	-0.008	0.004	0.024	0.029	108.650	TRUE	5.15E-24
FEV1FVC	IKBKE	cg20530056	rs3813981	C	T	-0.159	0.024	0.436	2.51E-11	0.009	0.002	3.07E-04	0.012	44.504	TRUE	3.40E-10
FEV1FVC	IKBKE	cg26859016	rs2297550	G	C	0.379	0.035	0.131	4.04E-27	-0.008	0.004	0.024	0.030	116.258	TRUE	1.34E-25
FEV1FVC	IKBKE	cg26859016	rs3813981	C	T	-0.180	0.024	0.436	4.03E-14	0.009	0.002	3.07E-04	0.015	57.123	TRUE	8.30E-13
FEV1FVC	IL13	cg04303330	rs17622656	A	G	0.187	0.024	0.375	1.04E-14	0.019	0.003	4.72E-14	0.016	59.779	TRUE	3.25E-12
FEV1FVC	IL13	cg04303330	rs1881457	C	A	-0.530	0.030	0.193	1.05E-71	-0.011	0.003	3.98E-04	0.080	320.468	TRUE	1.47E-66
FEV1FVC	IL13	cg04303330	rs2069812	A	G	0.163	0.026	0.310	1.99E-10	0.006	0.003	0.015	0.011	40.457	TRUE	1.18E-09
FEV1FVC	IL13	cg04303330	rs2237057	G	A	-0.153	0.027	0.245	2.19E-08	-0.008	0.003	0.006	0.008	31.301	TRUE	1.15E-07
FEV1FVC	IL13	cg13566430	rs17622656	A	G	0.157	0.024	0.375	8.47E-11	0.019	0.003	4.72E-14	0.011	42.123	TRUE	9.51E-09
FEV1FVC	IL13	cg13566430	rs2069812	A	G	0.141	0.026	0.310	3.93E-08	0.006	0.003	0.015	0.008	30.170	TRUE	1.75E-07
FEV1FVC	IL13	cg13566430	rs4705963	A	G	-0.153	0.027	0.251	1.38E-08	-0.008	0.003	0.004	0.009	32.202	TRUE	8.19E-08
FEV1FVC	IL13	cg13566430	rs7700346	A	G	-0.446	0.030	0.193	6.69E-51	-0.011	0.003	5.25E-04	0.057	225.062	TRUE	2.38E-47
FEV1FVC	IL33	cg14334584	rs1048274	A	G	-0.532	0.025	0.288	6.89E-98	0.009	0.003	3.97E-04	0.106	440.662	TRUE	2.19E-90
FEV1FVC	IL33	cg14334584	rs10758750	G	C	0.153	0.027	0.269	9.96E-09	-0.003	0.003	0.240	0.009	32.832	TRUE	2.34E-08
FEV1FVC	IL33	cg14334584	rs148013890	T	C	-0.454	0.077	0.026	2.98E-09	-0.003	0.007	0.668	0.009	35.178	TRUE	4.82E-09
FEV1FVC	IL33	cg14334584	rs16924291	A	C	0.225	0.033	0.153	7.15E-12	0.006	0.003	0.084	0.013	46.962	TRUE	3.18E-11
FEV1FVC	IL33	cg14334584	rs4629927	G	C	0.136	0.024	0.401	1.86E-08	0.000	0.002	0.951	0.008	31.615	TRUE	2.40E-08

FEV1FVC	IL33	cg14334584	rs578124	G	A	-0.175	0.025	0.300	4.65E-12	0.006	0.003	0.031	0.013	47.805	TRUE	2.73E-11
FEV1FVC	IL33	cg14334584	rs77911193	T	C	-0.469	0.081	0.019	6.38E-09	-0.017	0.009	0.046	0.009	33.698	TRUE	2.43E-08
FEV1FVC	IL6	cg00087425	rs2905333	A	G	-0.131	0.024	0.383	3.23E-08	-0.007	0.003	0.005	0.008	30.548	TRUE	1.70E-07
FEV1FVC	IL6	cg01770232	rs1524107	T	C	1.308	0.057	0.041	3.04E-116	0.001	0.006	0.927	0.124	524.972	TRUE	4.83E-110
FEV1FVC	IL6	cg01770232	rs59084784	A	C	0.228	0.025	0.336	6.48E-20	-0.005	0.003	0.034	0.022	83.421	TRUE	8.76E-19
FEV1FVC	IL6	cg01770232	rs6461665	A	G	0.193	0.025	0.289	3.67E-14	0.002	0.003	0.356	0.015	57.308	TRUE	1.11E-13
FEV1FVC	IL6	cg01770232	rs7787688	T	C	0.148	0.024	0.406	8.46E-10	-0.004	0.002	0.120	0.010	37.630	TRUE	2.79E-09
FEV1FVC	IL6	cg02335517	rs73276350	G	A	0.419	0.059	0.042	8.09E-13	-0.001	0.006	0.850	0.014	51.232	TRUE	1.35E-12
FEV1FVC	IL6	cg05265849	rs10229508	A	G	-0.194	0.029	0.214	1.24E-11	0.004	0.003	0.179	0.012	45.877	TRUE	4.18E-11
FEV1FVC	IL6	cg05265849	rs10261653	A	C	0.380	0.034	0.142	1.24E-29	0.001	0.003	0.821	0.033	127.729	TRUE	6.25E-29
FEV1FVC	IL6	cg05265849	rs10269926	G	A	0.188	0.024	0.372	1.88E-14	-0.006	0.002	0.025	0.016	58.627	TRUE	1.57E-13
FEV1FVC	IL6	cg05265849	rs116941259	T	C	-0.501	0.092	0.019	4.95E-08	-0.004	0.009	0.680	0.008	29.721	TRUE	7.49E-08
FEV1FVC	IL6	cg05265849	rs117122223	G	T	-0.345	0.031	0.177	8.37E-29	0.003	0.003	0.392	0.032	123.947	TRUE	7.70E-28
FEV1FVC	IL6	cg05265849	rs117814509	G	A	0.404	0.063	0.035	1.24E-10	-0.012	0.006	0.055	0.011	41.371	TRUE	5.39E-10
FEV1FVC	IL6	cg05265849	rs117841439	T	C	-0.363	0.037	0.111	2.59E-22	0.002	0.004	0.623	0.025	94.339	TRUE	9.73E-22
FEV1FVC	IL6	cg05265849	rs12700386	G	C	0.368	0.029	0.210	7.59E-38	-0.005	0.003	0.117	0.043	165.282	TRUE	3.72E-36
FEV1FVC	IL6	cg05265849	rs150653978	G	C	-0.513	0.062	0.036	2.00E-16	-0.002	0.006	0.743	0.018	67.563	TRUE	4.48E-16
FEV1FVC	IL6	cg05265849	rs17146997	G	A	0.235	0.026	0.297	1.56E-19	0.003	0.003	0.336	0.022	81.689	TRUE	7.27E-19
FEV1FVC	IL6	cg05265849	rs1800797	A	G	-0.926	0.019	0.416	<1E-200	0.001	0.002	0.703	0.390	2365.746	TRUE	<1E-200
FEV1FVC	IL6	cg05265849	rs2905345	A	G	-0.398	0.027	0.256	4.93E-50	0.002	0.003	0.393	0.056	221.089	TRUE	4.13E-48
FEV1FVC	IL6	cg05265849	rs3094974	G	A	-0.181	0.024	0.368	7.22E-14	0.000	0.002	0.964	0.015	55.978	TRUE	1.14E-13
FEV1FVC	IL6	cg05265849	rs4722197	T	A	-0.180	0.024	0.379	1.78E-13	-0.005	0.002	0.038	0.014	54.209	TRUE	1.19E-12
FEV1FVC	IL6	cg05265849	rs55733027	G	A	-0.509	0.059	0.042	8.68E-18	0.005	0.006	0.442	0.020	73.752	TRUE	3.02E-17
FEV1FVC	IL6	cg05265849	rs56015132	T	G	0.244	0.032	0.154	3.56E-14	-0.002	0.003	0.529	0.015	57.366	TRUE	8.71E-14
FEV1FVC	IL6	cg05265849	rs62449525	T	C	0.435	0.036	0.111	6.99E-33	0.006	0.004	0.089	0.037	142.578	TRUE	2.33E-31
FEV1FVC	IL6	cg05265849	rs71524096	G	C	0.274	0.045	0.073	1.53E-09	0.008	0.004	0.068	0.010	36.475	TRUE	5.64E-09
FEV1FVC	IL6	cg05265849	rs75378332	T	A	-0.489	0.062	0.043	3.72E-15	0.009	0.006	0.130	0.016	61.812	TRUE	1.89E-14
FEV1FVC	IL6	cg05265849	rs75902902	C	G	-0.510	0.048	0.059	1.40E-26	-0.010	0.005	0.045	0.030	113.790	TRUE	3.40E-25
FEV1FVC	IL6	cg05472934	rs10229508	A	G	-0.175	0.029	0.214	8.84E-10	0.004	0.003	0.179	0.010	37.544	TRUE	2.55E-09
FEV1FVC	IL6	cg05472934	rs116941259	T	C	-0.602	0.092	0.019	4.93E-11	-0.004	0.009	0.680	0.012	43.181	TRUE	8.71E-11
FEV1FVC	IL6	cg05472934	rs117122223	G	T	-0.280	0.031	0.177	2.02E-19	0.003	0.003	0.392	0.021	81.178	TRUE	8.60E-19
FEV1FVC	IL6	cg05472934	rs11768563	G	A	0.197	0.028	0.221	3.59E-12	0.005	0.003	0.059	0.013	48.313	TRUE	1.76E-11
FEV1FVC	IL6	cg05472934	rs12530998	T	A	-0.159	0.024	0.392	4.18E-11	0.002	0.002	0.391	0.012	43.506	TRUE	9.92E-11
FEV1FVC	IL6	cg05472934	rs2069861	T	C	-0.570	0.058	0.085	7.35E-23	0.007	0.005	0.152	0.026	96.831	TRUE	7.02E-22
FEV1FVC	IL6	cg05472934	rs2905322	A	C	0.160	0.027	0.272	1.74E-09	0.001	0.003	0.798	0.010	36.223	TRUE	2.59E-09
FEV1FVC	IL6	cg05472934	rs2905345	A	G	-0.267	0.027	0.256	5.12E-23	0.002	0.003	0.393	0.026	97.549	TRUE	2.85E-22
FEV1FVC	IL6	cg05472934	rs377767225	A	G	-0.282	0.036	0.121	2.25E-15	0.000	0.004	0.973	0.017	62.802	TRUE	3.76E-15
FEV1FVC	IL6	cg05472934	rs4310110	C	T	0.280	0.044	0.153	2.33E-10	-0.001	0.003	0.762	0.011	40.144	TRUE	3.71E-10
FEV1FVC	IL6	cg05472934	rs4379365	T	C	0.142	0.026	0.311	3.27E-08	0.004	0.003	0.158	0.008	30.525	TRUE	8.63E-08
FEV1FVC	IL6	cg05472934	rs55733027	G	A	-0.377	0.059	0.042	1.89E-10	0.005	0.006	0.442	0.011	40.553	TRUE	4.02E-10
FEV1FVC	IL6	cg05472934	rs62449525	T	C	0.346	0.036	0.111	2.26E-21	0.006	0.004	0.089	0.024	90.057	TRUE	2.31E-20
FEV1FVC	IL6	cg05472934	rs6962836	G	A	0.190	0.033	0.137	1.16E-08	-0.001	0.003	0.880	0.009	32.528	TRUE	1.57E-08

FEV1FVC	IL6	cg05472934	rs73274210	G	A	0.440	0.038	0.106	9.93E-31	0.001	0.004	0.856	0.035	132.742	TRUE	5.10E-30
FEV1FVC	IL6	cg05472934	rs75902902	C	G	-0.415	0.048	0.059	4.21E-18	-0.010	0.005	0.045	0.020	75.180	TRUE	4.19E-17
FEV1FVC	IL6	cg05472934	rs7779799	T	C	0.337	0.059	0.077	1.06E-08	0.003	0.005	0.522	0.009	32.711	TRUE	1.89E-08
FEV1FVC	IL6	cg05472934	rs7811929	T	C	0.183	0.024	0.386	3.03E-14	-0.006	0.002	0.008	0.015	57.687	TRUE	3.23E-13
FEV1FVC	IL6	cg07998387	rs1524107	T	C	0.620	0.058	0.041	2.22E-26	0.001	0.006	0.927	0.030	112.883	TRUE	7.52E-26
FEV1FVC	IL6	cg07998387	rs35779989	A	C	-0.146	0.023	0.441	4.56E-10	0.001	0.002	0.669	0.010	38.837	TRUE	7.66E-10
FEV1FVC	IL6	cg13104385	rs10229508	A	G	-0.204	0.029	0.214	9.54E-13	0.004	0.003	0.179	0.014	50.909	TRUE	3.52E-12
FEV1FVC	IL6	cg13104385	rs10261653	A	C	0.390	0.034	0.142	3.43E-31	0.001	0.003	0.821	0.035	134.851	TRUE	1.95E-30
FEV1FVC	IL6	cg13104385	rs10269926	G	A	0.220	0.024	0.372	2.37E-19	-0.006	0.002	0.025	0.021	80.858	TRUE	3.38E-18
FEV1FVC	IL6	cg13104385	rs111372030	A	G	-0.404	0.043	0.078	8.68E-21	-0.007	0.004	0.096	0.023	87.395	TRUE	8.46E-20
FEV1FVC	IL6	cg13104385	rs113688526	A	G	-0.277	0.048	0.061	1.12E-08	-0.003	0.005	0.519	0.009	32.596	TRUE	2.01E-08
FEV1FVC	IL6	cg13104385	rs115622312	T	C	0.465	0.032	0.154	8.90E-49	0.002	0.003	0.468	0.055	215.332	TRUE	5.33E-47
FEV1FVC	IL6	cg13104385	rs117122223	G	T	-0.393	0.031	0.177	4.50E-37	0.003	0.003	0.392	0.042	161.747	TRUE	9.07E-36
FEV1FVC	IL6	cg13104385	rs117841439	T	C	-0.408	0.037	0.111	6.87E-28	0.002	0.004	0.623	0.031	119.771	TRUE	3.93E-27
FEV1FVC	IL6	cg13104385	rs117914483	C	T	0.462	0.058	0.049	1.94E-15	-0.017	0.006	0.003	0.017	63.094	TRUE	2.93E-14
FEV1FVC	IL6	cg13104385	rs12535219	G	C	0.524	0.029	0.187	2.16E-72	0.003	0.003	0.262	0.080	323.615	TRUE	6.15E-69
FEV1FVC	IL6	cg13104385	rs13238288	G	A	0.342	0.031	0.187	4.54E-29	0.001	0.003	0.742	0.033	125.158	TRUE	2.40E-28
FEV1FVC	IL6	cg13104385	rs1362163	G	A	0.163	0.030	0.179	4.86E-08	0.002	0.003	0.521	0.008	29.755	TRUE	8.23E-08
FEV1FVC	IL6	cg13104385	rs149330927	A	G	-0.567	0.098	0.015	6.93E-09	0.002	0.010	0.870	0.009	33.537	TRUE	9.52E-09
FEV1FVC	IL6	cg13104385	rs150653978	G	C	-0.580	0.062	0.036	1.28E-20	-0.002	0.006	0.743	0.023	86.627	TRUE	3.71E-20
FEV1FVC	IL6	cg13104385	rs1595126	A	G	0.248	0.042	0.093	3.51E-09	-0.008	0.004	0.047	0.009	34.860	TRUE	1.36E-08
FEV1FVC	IL6	cg13104385	rs227917	C	A	0.150	0.027	0.241	2.94E-08	0.001	0.003	0.680	0.008	30.732	TRUE	4.44E-08
FEV1FVC	IL6	cg13104385	rs2905341	T	C	-0.637	0.104	0.033	7.92E-10	-0.006	0.007	0.323	0.010	37.759	TRUE	1.84E-09
FEV1FVC	IL6	cg13104385	rs2905345	A	G	-0.468	0.027	0.256	2.45E-69	0.002	0.003	0.393	0.077	309.607	TRUE	2.87E-66
FEV1FVC	IL6	cg13104385	rs2905350	C	G	0.355	0.025	0.317	7.72E-46	-0.005	0.003	0.042	0.052	201.873	TRUE	1.92E-43
FEV1FVC	IL6	cg13104385	rs3094974	G	A	-0.212	0.024	0.368	1.91E-18	0.000	0.002	0.964	0.020	76.740	TRUE	3.79E-18
FEV1FVC	IL6	cg13104385	rs34240824	T	C	0.267	0.027	0.278	8.57E-24	0.002	0.003	0.470	0.027	101.084	TRUE	4.57E-23
FEV1FVC	IL6	cg13104385	rs55733027	G	A	-0.595	0.059	0.042	7.84E-24	0.005	0.006	0.442	0.027	101.261	TRUE	4.30E-23
FEV1FVC	IL6	cg13104385	rs6962836	G	A	0.242	0.033	0.137	3.55E-13	-0.001	0.003	0.880	0.014	52.849	TRUE	5.84E-13
FEV1FVC	IL6	cg13104385	rs75378332	T	A	-0.557	0.062	0.043	2.86E-19	0.009	0.006	0.130	0.021	80.492	TRUE	2.09E-18
FEV1FVC	IL6	cg13104385	rs7776857	G	T	-0.860	0.021	0.347	<1E-200	0.000	0.003	0.981	0.311	1667.117	TRUE	<1E-200
FEV1FVC	IL6	cg13104385	rs7782981	T	C	0.199	0.027	0.260	2.73E-13	0.002	0.003	0.472	0.014	53.368	TRUE	6.67E-13
FEV1FVC	IL6	cg13104385	rs78578221	C	T	0.353	0.065	0.033	4.63E-08	-0.007	0.007	0.291	0.008	29.851	TRUE	9.87E-08
FEV1FVC	IL6	cg15703690	rs2905333	A	G	-0.250	0.024	0.383	1.01E-25	-0.007	0.003	0.005	0.029	109.878	TRUE	4.61E-24
FEV1FVC	IL6	cg15703690	rs34680848	A	G	0.157	0.024	0.482	2.40E-11	0.000	0.002	0.947	0.012	44.592	TRUE	3.47E-11
FEV1FVC	IL6	cg17067544	rs11766273	A	G	-0.285	0.044	0.072	1.10E-10	-0.009	0.005	0.050	0.011	41.604	TRUE	4.89E-10
FEV1FVC	IL6	cg26061582	rs113952113	A	G	0.182	0.029	0.209	1.77E-10	-0.006	0.003	0.053	0.011	40.682	TRUE	7.67E-10
FEV1FVC	IL6	cg26061582	rs117122223	G	T	-0.211	0.031	0.177	1.28E-11	0.003	0.003	0.392	0.012	45.824	TRUE	3.12E-11
FEV1FVC	IL6	cg26061582	rs117841439	T	C	-0.248	0.037	0.111	3.26E-11	0.002	0.004	0.623	0.012	43.992	TRUE	6.08E-11
FEV1FVC	IL6	cg26061582	rs1524107	T	C	1.141	0.057	0.041	1.14E-87	0.001	0.006	0.927	0.096	393.745	TRUE	6.83E-84
FEV1FVC	IL6	cg26061582	rs1800797	A	G	-0.619	0.023	0.416	2.31E-165	0.001	0.002	0.703	0.169	750.701	TRUE	1.96E-153
FEV1FVC	IL6	cg26061582	rs2905345	A	G	-0.275	0.027	0.256	1.39E-24	0.002	0.003	0.393	0.028	104.691	TRUE	8.77E-24

FEV1FVC	IL6	cg26061582	rs2961286	T	G	0.202	0.026	0.273	1.50E-14	-0.003	0.003	0.284	0.016	59.068	TRUE	5.22E-14
FEV1FVC	IL6	cg26061582	rs62449525	T	C	0.330	0.036	0.111	1.42E-19	0.006	0.004	0.089	0.022	81.868	TRUE	1.23E-18
FEV1FVC	IL6	cg26061582	rs75378332	T	A	-0.366	0.062	0.043	3.86E-09	0.009	0.006	0.130	0.009	34.676	TRUE	1.15E-08
FEV1FVC	IL6	cg26061582	rs75902902	C	G	-0.303	0.048	0.059	2.52E-10	-0.010	0.005	0.045	0.011	39.991	TRUE	1.13E-09
FEV1FVC	IL6R	cg05756780	rs4133213	A	C	0.151	0.024	0.424	2.62E-10	-0.005	0.003	0.036	0.011	39.916	TRUE	1.19E-09
FEV1FVC	IL6R	cg05756780	rs6427641	G	A	0.172	0.024	0.429	4.51E-13	0.002	0.002	0.353	0.014	52.382	TRUE	1.26E-12
FEV1FVC	IL6R	cg06980173	rs12075836	T	C	-0.194	0.032	0.152	1.47E-09	0.000	0.003	0.924	0.010	36.556	TRUE	1.98E-09
FEV1FVC	IL6R	cg06980173	rs4845619	T	G	-0.136	0.024	0.436	1.08E-08	0.009	0.002	8.84E-05	0.009	32.676	TRUE	1.12E-07
FEV1FVC	IL6R	cg09257526	rs6690230	C	G	-0.171	0.024	0.392	1.63E-12	0.000	0.002	0.870	0.013	49.854	TRUE	2.64E-12
FEV1FVC	IL6R	cg13549904	rs114660934	A	G	-0.371	0.066	0.036	2.01E-08	0.001	0.006	0.899	0.008	31.464	TRUE	2.65E-08
FEV1FVC	IL6R	cg13549904	rs1889312	A	G	0.132	0.024	0.436	2.43E-08	0.003	0.002	0.277	0.008	31.096	TRUE	5.37E-08
FEV1FVC	IL6R	cg13549904	rs55668699	A	T	-0.391	0.028	0.225	6.03E-44	0.007	0.003	0.013	0.050	193.205	TRUE	2.23E-41
FEV1FVC	IL6R	cg15633035	rs41304552	T	C	0.442	0.063	0.035	3.01E-12	0.002	0.006	0.686	0.013	48.657	TRUE	5.60E-12
FEV1FVC	IL6R	cg17001401	rs12739228	A	G	0.578	0.063	0.033	2.44E-20	0.014	0.006	0.024	0.023	85.352	TRUE	3.74E-19
FEV1FVC	IL6R	cg20688791	rs11265611	G	A	-0.189	0.024	0.409	3.77E-15	0.011	0.003	2.11E-05	0.016	61.783	TRUE	1.41E-13
FEV1FVC	IL6R	cg21262032	rs10796927	C	T	0.170	0.026	0.290	6.45E-11	-0.003	0.003	0.297	0.011	42.656	TRUE	1.72E-10
FEV1FVC	IL6R	cg21262032	rs11577167	T	C	-0.448	0.069	0.028	7.08E-11	0.015	0.008	0.050	0.011	42.473	TRUE	3.23E-10
FEV1FVC	IL6R	cg21262032	rs12023772	A	G	0.180	0.032	0.157	2.82E-08	-0.006	0.003	0.050	0.008	30.811	TRUE	9.75E-08
FEV1FVC	IL6R	cg21262032	rs144029367	C	T	-0.553	0.095	0.020	5.14E-09	0.008	0.009	0.382	0.009	34.117	TRUE	1.06E-08
FEV1FVC	IL6R	cg21262032	rs1685627	A	G	-0.171	0.024	0.400	1.32E-12	0.005	0.003	0.072	0.013	50.271	TRUE	6.49E-12
FEV1FVC	IL6R	cg21262032	rs1889312	A	G	0.183	0.024	0.436	1.66E-14	0.003	0.002	0.277	0.016	58.865	TRUE	5.81E-14
FEV1FVC	IL6R	cg21262032	rs35013837	T	C	0.273	0.044	0.142	3.35E-10	0.004	0.003	0.289	0.011	39.440	TRUE	8.35E-10
FEV1FVC	IL6R	cg21262032	rs60517797	C	T	-0.247	0.040	0.100	8.12E-10	0.001	0.004	0.892	0.010	37.712	TRUE	1.14E-09
FEV1FVC	IL6R	cg21262032	rs6427672	C	T	-0.731	0.027	0.233	2.86E-164	0.009	0.003	0.003	0.168	745.675	TRUE	1.53E-149
FEV1FVC	IL6R	cg21262032	rs79480105	A	G	-0.599	0.069	0.033	2.77E-18	0.003	0.006	0.597	0.020	76.009	TRUE	8.16E-18
FEV1FVC	IL6R	cg21262032	rs9427103	G	A	-0.217	0.031	0.175	1.69E-12	0.007	0.003	0.030	0.013	49.788	TRUE	1.04E-11
FEV1FVC	IL6R	cg25135018	rs6427672	C	T	-0.246	0.028	0.233	7.14E-19	0.009	0.003	0.003	0.021	78.682	TRUE	1.84E-17
FEV1FVC	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	0.004	0.002	0.131	0.031	118.669	TRUE	2.00E-26
FEV1FVC	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	-0.007	0.003	0.015	0.057	224.451	TRUE	8.02E-48
FEV1FVC	INF2	cg02305961	rs61758556	T	A	0.219	0.036	0.142	1.25E-09	-0.004	0.003	0.211	0.010	36.873	TRUE	3.37E-09
FEV1FVC	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	-0.004	0.003	0.211	0.034	131.224	TRUE	3.52E-29
FEV1FVC	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	-0.005	0.003	0.111	0.013	48.825	TRUE	1.13E-11
FEV1FVC	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	-0.002	0.003	0.368	0.008	31.282	TRUE	4.40E-08
FEV1FVC	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	-0.006	0.003	0.025	0.021	79.141	TRUE	7.12E-18
FEV1FVC	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	-0.005	0.002	0.061	0.094	383.550	TRUE	2.05E-80
FEV1FVC	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	0.004	0.002	0.131	0.018	68.785	TRUE	6.39E-16
FEV1FVC	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	0.002	0.003	0.506	0.017	62.938	TRUE	5.78E-15
FEV1FVC	INF2	cg04573078	rs2498802	C	G	0.190	0.025	0.337	1.33E-14	-0.009	0.003	9.02E-04	0.016	59.301	TRUE	2.28E-13
FEV1FVC	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	0.004	0.002	0.119	0.084	340.911	TRUE	4.48E-72
FEV1FVC	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.001	0.004	0.834	0.010	37.644	TRUE	1.24E-09
FEV1FVC	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	-0.008	0.003	0.004	0.022	84.464	TRUE	1.03E-18
FEV1FVC	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	-0.008	0.003	0.004	0.023	87.021	TRUE	3.01E-19

FEV1FVC	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	0.003	0.004	0.478	0.028	107.959	TRUE	1.55E-24
FEV1FVC	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	-0.006	0.003	0.086	0.010	35.564	TRUE	8.42E-09
FEV1FVC	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	0.004	0.003	0.134	0.071	282.331	TRUE	2.84E-60
FEV1FVC	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	-0.009	0.004	0.028	0.093	377.804	TRUE	4.89E-79
FEV1FVC	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	-0.006	0.003	0.086	0.011	39.333	TRUE	1.32E-09
FEV1FVC	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	0.004	0.003	0.134	0.087	352.114	TRUE	2.06E-74
FEV1FVC	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	-0.009	0.004	0.028	0.121	508.213	TRUE	7.64E-105
FEV1FVC	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	0.004	0.002	0.131	0.011	39.846	TRUE	9.14E-10
FEV1FVC	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	0.000	0.006	0.975	0.010	37.103	TRUE	1.46E-09
FEV1FVC	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	-0.001	0.004	0.889	0.085	345.647	TRUE	4.04E-74
FEV1FVC	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	0.000	0.004	0.905	0.019	71.597	TRUE	5.10E-17
FEV1FVC	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	-0.012	0.005	0.012	0.031	116.484	TRUE	1.55E-25
FEV1FVC	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	-0.001	0.003	0.667	0.202	937.870	TRUE	2.01E-188
FEV1FVC	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	0.000	0.004	0.984	0.016	58.649	TRUE	2.97E-14
FEV1FVC	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	-0.005	0.003	0.104	0.012	44.800	TRUE	8.53E-11
FEV1FVC	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	-0.001	0.003	0.667	0.023	85.568	TRUE	6.92E-20
FEV1FVC	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.001	0.004	0.834	0.010	36.206	TRUE	2.55E-09
FEV1FVC	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	-0.005	0.003	0.111	0.010	39.191	TRUE	1.29E-09
FEV1FVC	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	0.004	0.015	0.794	0.029	110.722	TRUE	2.58E-25
FEV1FVC	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	-0.009	0.003	0.001	0.053	207.549	TRUE	6.64E-44
FEV1FVC	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	-0.010	0.004	0.020	0.100	409.893	TRUE	2.52E-85
FEV1FVC	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	-0.003	0.003	0.173	0.023	85.476	TRUE	1.62E-19
FEV1FVC	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	0.001	0.003	0.614	0.032	123.422	TRUE	6.74E-28
FEV1FVC	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	-0.009	0.003	0.001	0.025	95.952	TRUE	5.64E-21
FEV1FVC	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	-0.006	0.004	0.100	0.014	53.866	TRUE	1.01E-12
FEV1FVC	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	-0.001	0.004	0.889	0.008	30.317	TRUE	4.79E-08
FEV1FVC	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	0.000	0.004	0.960	0.008	31.064	TRUE	3.12E-08
FEV1FVC	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	-0.010	0.004	0.025	0.044	168.731	TRUE	1.73E-36
FEV1FVC	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	0.004	0.003	0.134	0.055	215.354	TRUE	1.51E-46
FEV1FVC	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	-0.001	0.003	0.585	0.010	37.466	TRUE	1.64E-09
FEV1FVC	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	-0.005	0.003	0.111	0.009	33.252	TRUE	2.41E-08
FEV1FVC	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	0.005	0.003	0.065	0.062	243.465	TRUE	4.00E-52
FEV1FVC	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	-0.009	0.004	0.028	0.083	336.852	TRUE	8.01E-71
FEV1FVC	ING5	cg03108703	rs143076111	C	A	-0.934	0.052	0.118	1.07E-71	0.019	0.004	4.50E-07	0.080	320.428	TRUE	1.69E-65
FEV1FVC	ING5	cg03108703	rs184401988	G	T	-0.755	0.133	0.017	1.27E-08	0.051	0.011	2.16E-06	0.009	32.356	TRUE	2.01E-07
FEV1FVC	ING5	cg03979788	rs1133811	A	G	0.980	0.025	0.426	<1E-200	-0.006	0.003	0.024	0.287	1491.662	TRUE	4.37E-284
FEV1FVC	ING5	cg03979788	rs11691199	A	G	0.155	0.026	0.299	2.47E-09	0.004	0.003	0.099	0.010	35.542	TRUE	8.13E-09
FEV1FVC	ING5	cg03979788	rs142081672	A	G	0.542	0.085	0.043	2.07E-10	0.002	0.007	0.754	0.011	40.375	TRUE	3.33E-10
FEV1FVC	ING5	cg03979788	rs142497237	T	C	-0.350	0.061	0.043	1.07E-08	-0.022	0.007	5.54E-04	0.009	32.688	TRUE	8.62E-08
FEV1FVC	ING5	cg03979788	rs142718122	C	T	-0.544	0.084	0.045	8.78E-11	0.012	0.006	0.059	0.011	42.054	TRUE	3.85E-10
FEV1FVC	ING5	cg03979788	rs1444997	T	C	-0.221	0.032	0.164	2.51E-12	0.009	0.003	0.005	0.013	49.015	TRUE	2.25E-11
FEV1FVC	ING5	cg03979788	rs34106717	A	G	0.265	0.025	0.301	1.05E-25	0.008	0.003	0.004	0.029	109.795	TRUE	5.42E-24

FEV1FVC	ING5	cg03979788	rs34691302	T	C	0.343	0.039	0.091	1.47E-18	-0.003	0.004	0.470	0.020	77.250	TRUE	5.26E-18
FEV1FVC	ING5	cg03979788	rs35145466	A	G	-0.423	0.045	0.091	6.40E-21	-0.007	0.004	0.098	0.023	87.998	TRUE	6.23E-20
FEV1FVC	ING5	cg03979788	rs4234096	C	T	0.311	0.034	0.430	1.45E-19	0.005	0.003	0.057	0.022	81.830	TRUE	1.54E-18
FEV1FVC	ING5	cg03979788	rs62186372	G	C	0.268	0.039	0.094	5.87E-12	-0.001	0.004	0.876	0.013	47.347	TRUE	9.21E-12
FEV1FVC	ING5	cg03979788	rs62190317	T	C	0.630	0.074	0.059	1.23E-17	-0.008	0.005	0.102	0.019	73.059	TRUE	8.57E-17
FEV1FVC	ING5	cg03979788	rs7369610	A	G	-0.617	0.055	0.098	8.23E-29	0.008	0.004	0.054	0.032	123.979	TRUE	2.26E-27
FEV1FVC	ING5	cg03979788	rs7420166	A	G	0.352	0.027	0.243	5.19E-39	0.007	0.003	0.019	0.044	170.614	TRUE	7.96E-37
FEV1FVC	ING5	cg03979788	rs7566006	C	G	0.178	0.029	0.193	1.67E-09	0.011	0.003	4.86E-04	0.010	36.302	TRUE	1.59E-08
FEV1FVC	ING5	cg03979788	rs7570624	A	G	0.161	0.023	0.467	6.90E-12	-0.001	0.002	0.835	0.013	47.032	TRUE	1.11E-11
FEV1FVC	ING5	cg03979788	rs886810	A	C	-0.198	0.024	0.376	2.25E-16	0.001	0.003	0.794	0.018	67.330	TRUE	4.69E-16
FEV1FVC	ING5	cg04122744	rs36147544	T	C	0.404	0.055	0.117	1.43E-13	0.020	0.004	1.78E-07	0.015	54.630	TRUE	7.94E-12
FEV1FVC	ING5	cg11463903	rs10933538	A	G	-0.225	0.025	0.354	7.09E-20	0.000	0.003	1.000	0.022	83.244	TRUE	1.47E-19
FEV1FVC	ING5	cg11463903	rs12617994	T	C	-0.233	0.026	0.271	4.75E-19	-0.004	0.003	0.163	0.021	79.486	TRUE	3.11E-18
FEV1FVC	ING5	cg11463903	rs13408032	T	C	-0.260	0.047	0.128	4.47E-08	-0.002	0.004	0.669	0.008	29.917	TRUE	6.79E-08
FEV1FVC	ING5	cg11463903	rs142704390	C	G	-0.585	0.102	0.025	8.66E-09	0.006	0.007	0.370	0.009	33.104	TRUE	1.78E-08
FEV1FVC	ING5	cg11463903	rs142718122	C	T	-0.520	0.084	0.045	5.74E-10	0.012	0.006	0.059	0.010	38.389	TRUE	2.32E-09
FEV1FVC	ING5	cg11463903	rs144303868	C	G	-0.411	0.061	0.043	1.32E-11	-0.019	0.006	0.002	0.012	45.763	TRUE	1.31E-10
FEV1FVC	ING5	cg11463903	rs147108370	G	A	-0.485	0.068	0.034	9.63E-13	-0.013	0.007	0.071	0.014	50.891	TRUE	4.81E-12
FEV1FVC	ING5	cg11463903	rs34214302	G	A	0.408	0.055	0.114	1.04E-13	0.019	0.004	7.25E-07	0.015	55.253	TRUE	5.15E-12
FEV1FVC	ING5	cg11463903	rs34767573	C	G	0.396	0.057	0.045	3.41E-12	-0.012	0.006	0.035	0.013	48.411	TRUE	1.99E-11
FEV1FVC	ING5	cg11463903	rs55729724	G	A	-0.185	0.028	0.237	2.75E-11	0.005	0.003	0.110	0.012	44.324	TRUE	1.05E-10
FEV1FVC	ING5	cg11463903	rs62191280	C	G	0.386	0.047	0.155	2.07E-16	0.007	0.004	0.045	0.018	67.494	TRUE	1.71E-15
FEV1FVC	ING5	cg11463903	rs62192043	A	G	0.214	0.027	0.246	2.72E-15	0.011	0.003	1.27E-04	0.017	62.422	TRUE	7.87E-14
FEV1FVC	ING5	cg11463903	rs6741587	A	C	-0.284	0.028	0.225	1.96E-24	-0.010	0.003	4.54E-04	0.027	104.011	TRUE	1.46E-22
FEV1FVC	ING5	cg11463903	rs6747920	A	G	-0.521	0.058	0.091	2.16E-19	0.010	0.004	0.025	0.021	81.039	TRUE	2.94E-18
FEV1FVC	ING5	cg11463903	rs73123528	G	A	0.361	0.027	0.244	8.50E-41	0.006	0.003	0.039	0.046	178.787	TRUE	1.15E-38
FEV1FVC	ING5	cg11463903	rs7566006	C	G	0.212	0.029	0.193	5.40E-13	0.011	0.003	4.86E-04	0.014	52.025	TRUE	8.67E-12
FEV1FVC	ING5	cg13140981	rs184401988	G	T	-0.756	0.133	0.017	1.23E-08	0.051	0.011	2.16E-06	0.009	32.414	TRUE	1.95E-07
FEV1FVC	ING5	cg13140981	rs35249316	G	A	0.260	0.035	0.391	8.74E-14	-0.002	0.003	0.434	0.015	55.602	TRUE	2.36E-13
FEV1FVC	ING5	cg13140981	rs62193476	A	G	-0.278	0.036	0.354	6.21E-15	0.005	0.003	0.071	0.016	60.801	TRUE	3.83E-14
FEV1FVC	ING5	cg13140981	rs72484056	A	G	-1.038	0.052	0.115	2.21E-87	0.020	0.004	4.34E-07	0.096	392.422	TRUE	1.04E-79
FEV1FVC	ING5	cg13262212	rs138826996	T	C	-1.690	0.139	0.014	3.75E-34	0.004	0.011	0.731	0.039	148.390	TRUE	3.11E-33
FEV1FVC	ING5	cg13262212	rs141941174	A	G	-0.688	0.112	0.018	7.15E-10	0.014	0.009	0.124	0.010	37.959	TRUE	2.30E-09
FEV1FVC	ING5	cg14409746	rs111942358	C	G	0.208	0.033	0.150	3.61E-10	-0.009	0.003	0.012	0.011	39.291	TRUE	2.12E-09
FEV1FVC	ING5	cg14409746	rs7369408	A	G	-0.153	0.028	0.221	3.14E-08	0.000	0.003	0.952	0.008	30.601	TRUE	3.99E-08
FEV1FVC	ING5	cg15141204	rs4428044	C	A	-0.248	0.034	0.446	3.33E-13	-0.006	0.003	0.015	0.014	52.973	TRUE	2.76E-12
FEV1FVC	ING5	cg17530031	rs138807997	G	A	0.601	0.085	0.043	2.10E-12	0.012	0.006	0.042	0.013	49.361	TRUE	1.20E-11
FEV1FVC	ING5	cg17530031	rs145676805	A	G	0.451	0.070	0.034	1.17E-10	-0.004	0.008	0.621	0.011	41.493	TRUE	2.14E-10
FEV1FVC	ING5	cg17530031	rs147476185	T	A	0.314	0.049	0.058	1.34E-10	-0.012	0.005	0.014	0.011	41.230	TRUE	7.93E-10
FEV1FVC	ING5	cg17530031	rs4234096	C	T	-0.315	0.034	0.430	5.75E-20	0.005	0.003	0.057	0.022	83.658	TRUE	6.36E-19
FEV1FVC	ING5	cg17530031	rs4675796	T	C	0.507	0.051	0.127	2.09E-23	-0.008	0.004	0.039	0.026	99.323	TRUE	3.81E-22
FEV1FVC	ING5	cg17530031	rs55729724	G	A	0.161	0.028	0.237	8.10E-09	0.005	0.003	0.110	0.009	33.233	TRUE	2.47E-08

FEV1FVC	ING5	cg17530031	rs62186372	G	C	-0.265	0.039	0.094	1.15E-11	-0.001	0.004	0.876	0.012	46.026	TRUE	1.78E-11
FEV1FVC	ING5	cg17530031	rs62191280	C	G	-0.423	0.047	0.155	1.79E-19	0.007	0.004	0.045	0.022	81.415	TRUE	2.02E-18
FEV1FVC	ING5	cg17530031	rs7369610	A	G	0.371	0.056	0.098	3.91E-11	0.008	0.004	0.054	0.012	43.637	TRUE	1.78E-10
FEV1FVC	ING5	cg17530031	rs7420166	A	G	-0.303	0.027	0.243	7.16E-29	0.007	0.003	0.019	0.033	124.257	TRUE	3.17E-27
FEV1FVC	ING5	cg17530031	rs7558279	G	A	0.265	0.035	0.346	4.20E-14	-0.006	0.003	0.022	0.015	57.043	TRUE	3.32E-13
FEV1FVC	ING5	cg17530031	rs7591047	A	G	-0.861	0.028	0.394	3.72E-212	-0.004	0.003	0.163	0.207	965.817	TRUE	2.04E-192
FEV1FVC	ING5	cg17530031	rs79082577	G	A	0.337	0.056	0.104	1.49E-09	-0.004	0.004	0.316	0.010	36.523	TRUE	3.43E-09
FEV1FVC	ING5	cg20516529	rs112011439	A	T	-1.882	0.134	0.015	7.47E-45	0.002	0.011	0.856	0.051	197.355	TRUE	1.41E-43
FEV1FVC	ING5	cg20516529	rs11676197	T	C	0.178	0.028	0.222	1.83E-10	-0.010	0.003	0.001	0.011	40.621	TRUE	1.76E-09
FEV1FVC	ING5	cg20516529	rs35512800	A	G	-0.611	0.052	0.130	2.54E-32	0.018	0.004	8.61E-07	0.036	140.015	TRUE	2.64E-29
FEV1FVC	ING5	cg20516529	rs4675933	T	C	-0.178	0.025	0.323	1.58E-12	0.001	0.003	0.660	0.013	49.924	TRUE	3.03E-12
FEV1FVC	ING5	cg20516529	rs74651980	A	G	-0.667	0.101	0.018	3.57E-11	0.031	0.009	5.53E-04	0.012	43.814	TRUE	4.27E-10
FEV1FVC	ING5	cg21244745	rs34692098	G	T	0.238	0.034	0.138	4.59E-12	-0.007	0.004	0.051	0.013	47.828	TRUE	2.31E-11
FEV1FVC	ING5	cg21244745	rs7371227	C	G	-0.392	0.034	0.413	2.98E-31	-0.004	0.003	0.097	0.035	135.127	TRUE	8.01E-30
FEV1FVC	ING5	cg21244745	rs74562536	T	C	-0.202	0.028	0.215	7.74E-13	0.008	0.003	0.006	0.014	51.318	TRUE	7.25E-12
FEV1FVC	ING5	cg24048263	rs35145466	A	G	0.320	0.045	0.091	1.52E-12	-0.007	0.004	0.098	0.013	50.000	TRUE	6.77E-12
FEV1FVC	IPMK	cg00871019	rs12244845	A	G	0.228	0.028	0.219	5.56E-16	0.008	0.003	0.007	0.017	65.553	TRUE	7.41E-15
FEV1FVC	IPMK	cg11382993	rs7092649	A	G	-0.183	0.028	0.226	5.99E-11	0.009	0.003	0.002	0.011	42.801	TRUE	5.35E-10
FEV1FVC	IRF2	cg01926348	rs34463449	C	T	-0.552	0.062	0.030	2.79E-19	0.008	0.006	0.163	0.021	80.535	TRUE	1.84E-18
FEV1FVC	IRF2	cg04718987	rs3756097	T	C	-0.146	0.024	0.332	1.97E-09	-0.002	0.003	0.381	0.010	35.981	TRUE	4.20E-09
FEV1FVC	IRF2	cg04718987	rs7685698	C	T	0.212	0.032	0.151	3.71E-11	-0.010	0.003	0.003	0.012	43.739	TRUE	3.16E-10
FEV1FVC	IRF2	cg04748972	rs3756092	C	T	-0.233	0.039	0.096	1.69E-09	-0.011	0.004	0.006	0.010	36.286	TRUE	1.04E-08
FEV1FVC	IRF2	cg04748972	rs793812	T	C	-0.137	0.024	0.348	1.14E-08	0.000	0.003	0.961	0.009	32.570	TRUE	1.45E-08
FEV1FVC	IRF2	cg04748972	rs793814	T	A	0.397	0.033	0.362	1.26E-33	0.005	0.003	0.049	0.038	145.987	TRUE	6.26E-32
FEV1FVC	IRF2	cg05075308	rs144726693	T	A	-0.507	0.056	0.085	1.65E-19	-0.001	0.004	0.841	0.022	81.573	TRUE	3.97E-19
FEV1FVC	IRF2	cg05075308	rs3775574	G	A	0.169	0.024	0.398	4.12E-12	0.000	0.003	0.889	0.013	48.040	TRUE	6.33E-12
FEV1FVC	IRF2	cg05075308	rs809909	T	A	0.218	0.034	0.311	2.25E-10	-0.005	0.003	0.070	0.011	40.214	TRUE	8.74E-10
FEV1FVC	IRF2	cg05501617	rs13115095	G	A	0.584	0.025	0.269	1.71E-117	0.002	0.003	0.418	0.125	530.718	TRUE	1.69E-110
FEV1FVC	IRF2	cg05501617	rs3756096	C	T	0.201	0.033	0.146	1.69E-09	-0.011	0.003	0.002	0.010	36.282	TRUE	1.36E-08
FEV1FVC	IRF2	cg05501617	rs62339964	T	A	-0.635	0.041	0.081	3.78E-53	0.001	0.004	0.895	0.060	235.366	TRUE	1.67E-51
FEV1FVC	IRF2	cg05501617	rs68145634	T	C	-0.200	0.031	0.176	5.83E-11	0.004	0.003	0.254	0.011	42.855	TRUE	1.64E-10
FEV1FVC	IRF2	cg05501617	rs6831828	T	C	0.192	0.026	0.286	1.08E-13	0.002	0.003	0.583	0.015	55.189	TRUE	2.44E-13
FEV1FVC	IRF2	cg07394914	rs1863319	A	G	0.183	0.024	0.430	2.45E-14	0.006	0.002	0.012	0.015	58.104	TRUE	2.41E-13
FEV1FVC	IRF2	cg07394914	rs3775574	G	A	0.262	0.024	0.398	1.54E-27	0.000	0.003	0.889	0.031	118.175	TRUE	5.85E-27
FEV1FVC	IRF2	cg07940428	rs9685945	G	A	-0.194	0.024	0.365	1.35E-15	0.000	0.003	0.973	0.017	63.799	TRUE	2.32E-15
FEV1FVC	IRF2	cg09234297	rs793814	T	A	0.220	0.034	0.362	8.65E-11	0.005	0.003	0.049	0.011	42.082	TRUE	3.93E-10
FEV1FVC	IRF2	cg11784578	rs13116389	T	G	0.176	0.030	0.178	4.54E-09	-0.007	0.003	0.028	0.009	34.360	TRUE	1.96E-08
FEV1FVC	IRF2	cg11784578	rs3775579	G	C	0.165	0.024	0.363	1.27E-11	0.000	0.003	0.952	0.012	45.837	TRUE	1.81E-11
FEV1FVC	IRF2	cg11802666	rs1425551	T	G	-0.234	0.024	0.473	2.88E-23	-0.003	0.002	0.276	0.026	98.686	TRUE	2.03E-22
FEV1FVC	IRF2	cg11802666	rs4861623	A	G	-0.274	0.043	0.077	1.87E-10	-0.002	0.004	0.632	0.011	40.574	TRUE	3.33E-10
FEV1FVC	IRF2	cg11802666	rs793786	C	A	0.202	0.024	0.393	8.51E-17	0.000	0.003	0.969	0.018	69.251	TRUE	1.55E-16
FEV1FVC	IRF2	cg12453504	rs55876364	T	G	-0.170	0.024	0.435	6.04E-13	-0.005	0.002	0.059	0.014	51.807	TRUE	3.32E-12

FEV1FVC	IRF2	cg19757535	rs17075879	C	T	0.294	0.035	0.308	2.24E-17	0.007	0.003	0.009	0.019	71.884	TRUE	3.43E-16
FEV1FVC	IRF2	cg19757535	rs17488695	A	G	-0.317	0.040	0.191	2.26E-15	-0.002	0.003	0.614	0.017	62.793	TRUE	5.42E-15
FEV1FVC	IRF2	cg19757535	rs1863315	C	T	0.388	0.038	0.099	5.10E-24	0.002	0.004	0.694	0.027	102.113	TRUE	1.99E-23
FEV1FVC	IRF2	cg19757535	rs1918633	A	G	-0.302	0.023	0.480	1.19E-38	-0.003	0.002	0.189	0.044	168.956	TRUE	4.77E-37
FEV1FVC	IRF2	cg19757535	rs58976078	T	C	0.812	0.021	0.360	<1E-200	0.000	0.003	0.868	0.280	1439.172	TRUE	2.98E-278
FEV1FVC	IRF2	cg19757535	rs793812	T	C	0.138	0.024	0.348	1.50E-08	0.000	0.003	0.961	0.009	32.036	TRUE	1.89E-08
FEV1FVC	IRF2	cg19757535	rs9685836	T	G	0.395	0.055	0.092	7.83E-13	-0.003	0.004	0.430	0.014	51.297	TRUE	1.99E-12
FEV1FVC	IRF2	cg22442686	rs6833584	A	G	-0.226	0.033	0.145	8.39E-12	-0.011	0.004	0.002	0.012	46.647	TRUE	8.38E-11
FEV1FVC	IRF2	cg22442686	rs793814	T	A	0.439	0.033	0.362	3.58E-41	0.005	0.003	0.049	0.047	180.506	TRUE	4.41E-39
FEV1FVC	IRF2	cg22442686	rs796988	A	G	-0.161	0.028	0.219	9.14E-09	-0.004	0.003	0.182	0.009	32.998	TRUE	2.42E-08
FEV1FVC	ITGAV	cg03530967	rs17333634	C	T	0.314	0.052	0.049	2.01E-09	-0.002	0.005	0.640	0.010	35.940	TRUE	3.36E-09
FEV1FVC	ITGAV	cg15732657	rs6741369	T	G	-0.329	0.027	0.259	6.16E-34	-0.011	0.003	1.18E-04	0.038	147.400	TRUE	2.82E-31
FEV1FVC	ITM2C	cg02231590	rs112711149	G	C	-0.727	0.112	0.025	8.01E-11	0.008	0.007	0.238	0.011	42.233	TRUE	2.27E-10
FEV1FVC	ITM2C	cg02231590	rs2438302	A	G	-0.230	0.035	0.304	3.89E-11	0.006	0.003	0.021	0.012	43.646	TRUE	2.22E-10
FEV1FVC	ITM2C	cg02231590	rs3816150	C	T	0.281	0.023	0.470	3.15E-33	-0.003	0.002	0.232	0.038	144.158	TRUE	6.43E-32
FEV1FVC	ITM2C	cg02231590	rs4973349	A	G	0.170	0.030	0.177	1.63E-08	-0.001	0.003	0.718	0.009	31.878	TRUE	2.44E-08
FEV1FVC	ITM2C	cg02231590	rs59481475	A	G	0.278	0.033	0.140	4.15E-17	0.007	0.003	0.038	0.019	70.665	TRUE	4.04E-16
FEV1FVC	ITM2C	cg02231590	rs60237566	G	T	-0.615	0.027	0.230	1.39E-113	-0.001	0.003	0.855	0.122	512.754	TRUE	1.49E-107
FEV1FVC	ITM2C	cg02231590	rs6436979	T	C	-0.657	0.085	0.020	8.83E-15	0.022	0.009	0.013	0.016	60.108	TRUE	8.93E-14
FEV1FVC	ITM2C	cg02231590	rs755435	A	C	-0.226	0.027	0.242	9.33E-17	-0.001	0.003	0.868	0.018	69.068	TRUE	1.90E-16
FEV1FVC	ITM2C	cg02806733	rs3111750	T	C	-0.269	0.049	0.064	4.06E-08	-0.002	0.005	0.702	0.008	30.106	TRUE	6.09E-08
FEV1FVC	ITM2C	cg02806733	rs62195293	G	T	0.354	0.041	0.090	1.08E-17	0.002	0.004	0.680	0.019	73.320	TRUE	2.81E-17
FEV1FVC	ITM2C	cg02806733	rs80340586	C	T	0.352	0.046	0.064	2.56E-14	0.003	0.005	0.478	0.015	58.012	TRUE	6.66E-14
FEV1FVC	ITM2C	cg02806733	rs934822	A	G	0.442	0.027	0.241	3.02E-61	0.004	0.003	0.129	0.069	272.492	TRUE	2.97E-58
FEV1FVC	ITM2C	cg03511931	rs184122315	T	C	-0.676	0.090	0.017	4.27E-14	0.024	0.009	0.007	0.015	57.009	TRUE	4.63E-13
FEV1FVC	ITM2C	cg03511931	rs2438304	C	A	-0.212	0.037	0.241	1.38E-08	0.001	0.003	0.828	0.009	32.196	TRUE	1.92E-08
FEV1FVC	ITM2C	cg03511931	rs3098325	C	T	-0.707	0.027	0.238	7.06E-151	0.004	0.003	0.191	0.156	684.118	TRUE	9.81E-140
FEV1FVC	ITM2C	cg03511931	rs3111784	G	A	0.223	0.037	0.113	2.04E-09	-0.003	0.004	0.463	0.010	35.917	TRUE	3.97E-09
FEV1FVC	ITM2C	cg03511931	rs34604811	A	G	-0.234	0.032	0.146	1.88E-13	-0.001	0.003	0.670	0.014	54.101	TRUE	3.84E-13
FEV1FVC	ITM2C	cg03511931	rs62195287	A	G	0.270	0.034	0.134	9.09E-16	0.008	0.004	0.026	0.017	64.583	TRUE	8.32E-15
FEV1FVC	ITM2C	cg03511931	rs73992921	G	C	-0.201	0.030	0.174	4.23E-11	-0.002	0.003	0.459	0.012	43.479	TRUE	9.29E-11
FEV1FVC	ITM2C	cg03511931	rs73992965	G	A	0.322	0.045	0.070	1.29E-12	-0.003	0.005	0.551	0.013	50.311	TRUE	2.82E-12
FEV1FVC	ITM2C	cg03511931	rs75689999	A	G	0.827	0.051	0.055	2.86E-58	0.010	0.006	0.069	0.065	258.843	TRUE	2.87E-55
FEV1FVC	ITM2C	cg03511931	rs9653273	T	C	0.194	0.029	0.203	1.49E-11	-0.002	0.003	0.540	0.012	45.518	TRUE	3.06E-11
FEV1FVC	ITM2C	cg04198215	rs934824	C	G	0.167	0.024	0.391	3.10E-12	-0.007	0.002	0.005	0.013	48.596	TRUE	2.89E-11
FEV1FVC	ITM2C	cg04293526	rs3098329	G	A	0.291	0.024	0.391	2.64E-34	-0.007	0.002	0.006	0.039	149.085	TRUE	3.51E-32
FEV1FVC	ITM2C	cg04293526	rs59913800	G	A	-0.194	0.027	0.247	1.33E-12	-0.005	0.003	0.097	0.013	50.253	TRUE	6.03E-12
FEV1FVC	ITM2C	cg14396306	rs10186528	A	G	-0.551	0.084	0.020	5.26E-11	0.023	0.009	0.010	0.012	43.057	TRUE	3.63E-10
FEV1FVC	ITM2C	cg14396306	rs13418270	G	A	0.216	0.033	0.143	5.48E-11	0.007	0.003	0.047	0.011	42.975	TRUE	2.61E-10
FEV1FVC	ITM2C	cg14396306	rs1866232	G	A	-0.144	0.025	0.327	1.07E-08	0.001	0.003	0.728	0.009	32.699	TRUE	1.62E-08
FEV1FVC	ITM2C	cg14396306	rs3111758	A	G	-0.225	0.028	0.233	2.01E-15	0.004	0.003	0.191	0.017	63.016	TRUE	8.97E-15
FEV1FVC	ITM2C	cg14396306	rs60237566	G	T	-0.522	0.027	0.230	3.98E-81	-0.001	0.003	0.855	0.090	363.705	TRUE	9.29E-78

FEV1FVC	ITM2C	cg14649507	rs60237566	G	T	-0.172	0.028	0.230	6.87E-10	-0.001	0.003	0.855	0.010	38.037	TRUE	9.88E-10
FEV1FVC	ITM2C	cg15127563	rs116091269	C	T	0.475	0.079	0.022	1.93E-09	0.003	0.009	0.719	0.010	36.027	TRUE	3.04E-09
FEV1FVC	ITM2C	cg15127563	rs13405230	A	T	0.232	0.037	0.111	5.65E-10	0.002	0.004	0.670	0.010	38.417	TRUE	9.48E-10
FEV1FVC	ITM2C	cg15127563	rs184122315	T	C	-0.823	0.089	0.017	3.40E-20	0.024	0.009	0.007	0.022	84.696	TRUE	7.65E-19
FEV1FVC	ITM2C	cg15127563	rs2438299	A	T	-0.509	0.068	0.062	1.07E-13	0.001	0.005	0.884	0.015	55.197	TRUE	1.82E-13
FEV1FVC	ITM2C	cg15127563	rs2438304	C	A	-0.275	0.037	0.241	1.86E-13	0.001	0.003	0.828	0.014	54.113	TRUE	3.26E-13
FEV1FVC	ITM2C	cg15127563	rs3111758	A	G	-0.936	0.025	0.233	<1E-200	0.004	0.003	0.191	0.282	1449.240	TRUE	2.80E-278
FEV1FVC	ITM2C	cg15127563	rs3111784	G	A	0.221	0.037	0.113	2.85E-09	-0.003	0.004	0.463	0.009	35.262	TRUE	5.51E-09
FEV1FVC	ITM2C	cg15127563	rs34604811	A	G	-0.225	0.032	0.146	1.63E-12	-0.001	0.003	0.670	0.013	49.855	TRUE	3.17E-12
FEV1FVC	ITM2C	cg15127563	rs59361355	G	A	1.037	0.051	0.056	3.14E-90	0.010	0.006	0.073	0.099	405.495	TRUE	7.13E-85
FEV1FVC	ITM2C	cg15127563	rs6436978	T	C	0.395	0.036	0.128	1.27E-28	0.001	0.004	0.774	0.032	123.115	TRUE	6.32E-28
FEV1FVC	ITM2C	cg15127563	rs6750171	T	C	-0.180	0.027	0.246	3.05E-11	0.000	0.003	0.996	0.012	44.118	TRUE	4.18E-11
FEV1FVC	ITM2C	cg15127563	rs73992921	G	C	-0.287	0.030	0.174	3.44E-21	-0.002	0.003	0.459	0.024	89.226	TRUE	1.51E-20
FEV1FVC	ITM2C	cg15127563	rs73992965	G	A	0.339	0.045	0.070	8.96E-14	-0.003	0.005	0.551	0.015	55.552	TRUE	2.10E-13
FEV1FVC	ITM2C	cg15127563	rs934822	A	G	0.205	0.027	0.241	4.17E-14	0.004	0.003	0.129	0.015	57.054	TRUE	1.91E-13
FEV1FVC	ITM2C	cg15127563	rs9653273	T	C	0.250	0.029	0.203	2.51E-18	-0.002	0.003	0.540	0.020	76.197	TRUE	7.91E-18
FEV1FVC	ITM2C	cg15262728	rs10205726	A	G	-0.164	0.026	0.307	1.51E-10	0.001	0.003	0.798	0.011	40.990	TRUE	2.38E-10
FEV1FVC	ITM2C	cg15262728	rs13417093	G	A	0.179	0.030	0.171	3.70E-09	-0.002	0.003	0.445	0.009	34.758	TRUE	7.27E-09
FEV1FVC	ITM2C	cg15262728	rs3111750	T	C	-0.301	0.049	0.064	8.39E-10	-0.002	0.005	0.702	0.010	37.647	TRUE	1.37E-09
FEV1FVC	ITM2C	cg15262728	rs59481475	A	G	0.229	0.033	0.140	3.68E-12	0.007	0.003	0.038	0.013	48.260	TRUE	2.13E-11
FEV1FVC	ITM2C	cg15262728	rs60237566	G	T	-0.385	0.028	0.230	3.10E-44	-0.001	0.003	0.855	0.050	194.525	TRUE	5.39E-43
FEV1FVC	ITM2C	cg15837943	rs114303975	C	G	0.493	0.078	0.019	3.05E-10	0.017	0.008	0.026	0.011	39.621	TRUE	1.54E-09
FEV1FVC	ITM2C	cg15837943	rs114708591	C	T	0.281	0.047	0.062	1.72E-09	0.002	0.005	0.611	0.010	36.243	TRUE	2.97E-09
FEV1FVC	ITM2C	cg15837943	rs11677870	A	G	-0.373	0.064	0.068	6.96E-09	-0.012	0.005	0.013	0.009	33.529	TRUE	3.47E-08
FEV1FVC	ITM2C	cg15837943	rs13395705	C	G	0.578	0.043	0.078	9.56E-42	0.003	0.004	0.425	0.047	183.129	TRUE	2.84E-40
FEV1FVC	ITM2C	cg15837943	rs13407768	C	T	0.212	0.025	0.347	2.96E-17	0.001	0.003	0.785	0.019	71.335	TRUE	6.68E-17
FEV1FVC	ITM2C	cg15837943	rs1465833	T	C	0.616	0.086	0.049	8.69E-13	0.006	0.005	0.243	0.014	51.091	TRUE	2.83E-12
FEV1FVC	ITM2C	cg15837943	rs146818766	T	C	-0.428	0.075	0.027	1.22E-08	-0.003	0.007	0.641	0.009	32.433	TRUE	1.96E-08
FEV1FVC	ITM2C	cg15837943	rs3111750	T	C	-0.685	0.048	0.064	1.38E-45	-0.002	0.005	0.702	0.051	200.714	TRUE	3.70E-44
FEV1FVC	ITM2C	cg15837943	rs56166300	G	C	-0.208	0.031	0.171	2.41E-11	-0.001	0.003	0.870	0.012	44.585	TRUE	3.66E-11
FEV1FVC	ITM2C	cg15837943	rs57399896	G	A	-0.413	0.058	0.116	8.65E-13	-0.007	0.004	0.073	0.014	51.101	TRUE	4.35E-12
FEV1FVC	ITM2C	cg15837943	rs57556160	A	G	0.292	0.053	0.057	2.90E-08	0.010	0.006	0.071	0.008	30.756	TRUE	9.31E-08
FEV1FVC	ITM2C	cg15837943	rs62195288	T	C	0.669	0.033	0.140	6.81E-94	0.007	0.004	0.046	0.102	422.319	TRUE	4.83E-88
FEV1FVC	ITM2C	cg15837943	rs6742201	T	C	0.342	0.036	0.121	1.07E-21	0.004	0.004	0.321	0.024	91.537	TRUE	5.98E-21
FEV1FVC	ITM2C	cg15837943	rs7564278	G	T	0.449	0.035	0.115	9.12E-37	0.000	0.004	0.986	0.042	160.342	TRUE	6.51E-36
FEV1FVC	ITM2C	cg15837943	rs934824	C	G	-0.919	0.019	0.391	<1E-200	-0.007	0.002	0.005	0.395	2413.631	TRUE	<1E-200
FEV1FVC	ITM2C	cg15837943	rs938907	A	G	-0.159	0.028	0.202	1.40E-08	0.000	0.003	0.994	0.009	32.164	TRUE	1.74E-08
FEV1FVC	ITM2C	cg17009069	rs111819807	A	C	-0.717	0.122	0.023	4.79E-09	0.015	0.008	0.055	0.009	34.256	TRUE	1.78E-08
FEV1FVC	ITM2C	cg17009069	rs114721632	A	G	-0.369	0.063	0.092	3.54E-09	0.001	0.004	0.766	0.009	34.841	TRUE	5.33E-09
FEV1FVC	ITM2C	cg17009069	rs184122315	T	C	-0.786	0.090	0.017	1.61E-18	0.024	0.009	0.007	0.020	77.074	TRUE	2.97E-17
FEV1FVC	ITM2C	cg17009069	rs2438302	A	G	-0.239	0.035	0.304	6.27E-12	0.006	0.003	0.021	0.013	47.217	TRUE	3.91E-11
FEV1FVC	ITM2C	cg17009069	rs3111750	T	C	-0.340	0.049	0.064	3.84E-12	-0.002	0.005	0.702	0.013	48.178	TRUE	7.09E-12

FEV1FVC	ITM2C	cg17009069	rs59481475	A	G	0.350	0.033	0.140	2.59E-26	0.007	0.003	0.038	0.030	112.580	TRUE	6.71E-25
FEV1FVC	ITM2C	cg17009069	rs60237566	G	T	-0.659	0.027	0.230	1.16E-131	-0.001	0.003	0.855	0.139	595.814	TRUE	7.61E-124
FEV1FVC	ITM2C	cg17009069	rs6436977	C	A	0.501	0.023	0.473	2.47E-106	-0.003	0.002	0.192	0.115	479.453	TRUE	5.72E-100
FEV1FVC	ITM2C	cg17009069	rs74762084	C	G	0.167	0.030	0.180	2.60E-08	-0.001	0.003	0.725	0.008	30.966	TRUE	3.87E-08
FEV1FVC	ITM2C	cg17009069	rs755435	A	C	-0.259	0.027	0.242	1.17E-21	-0.001	0.003	0.868	0.024	91.349	TRUE	3.20E-21
FEV1FVC	ITM2C	cg17674726	rs116469226	C	T	1.049	0.085	0.017	1.09E-34	0.009	0.008	0.269	0.039	150.841	TRUE	2.30E-33
FEV1FVC	ITM2C	cg17674726	rs13417093	G	A	0.198	0.030	0.171	7.05E-11	-0.002	0.003	0.445	0.011	42.483	TRUE	1.55E-10
FEV1FVC	ITM2C	cg17674726	rs184122315	T	C	-0.523	0.090	0.017	5.71E-09	0.024	0.009	0.007	0.009	33.911	TRUE	3.26E-08
FEV1FVC	ITM2C	cg17674726	rs2289235	A	G	0.304	0.023	0.467	9.56E-39	-0.003	0.002	0.171	0.044	169.398	TRUE	4.28E-37
FEV1FVC	ITM2C	cg17674726	rs3111750	T	C	-0.342	0.049	0.064	2.71E-12	-0.002	0.005	0.702	0.013	48.858	TRUE	5.05E-12
FEV1FVC	ITM2C	cg17674726	rs3111784	G	A	0.523	0.037	0.113	1.40E-45	-0.003	0.004	0.463	0.051	200.690	TRUE	5.88E-44
FEV1FVC	ITM2C	cg17674726	rs59408375	G	A	0.180	0.025	0.355	7.80E-13	-0.001	0.003	0.750	0.014	51.304	TRUE	1.42E-12
FEV1FVC	ITM2C	cg17674726	rs60237566	G	T	-0.484	0.027	0.230	1.45E-69	-0.001	0.003	0.855	0.077	310.652	TRUE	5.71E-67
FEV1FVC	ITM2C	cg17674726	rs60774594	C	T	1.130	0.077	0.021	1.25E-48	0.015	0.009	0.094	0.055	214.655	TRUE	2.73E-46
FEV1FVC	ITM2C	cg17674726	rs62195287	A	G	1.367	0.025	0.134	<1E-200	0.008	0.004	0.026	0.449	3017.420	TRUE	<1E-200
FEV1FVC	ITM2C	cg17674726	rs6710419	A	G	0.523	0.048	0.068	2.31E-27	0.006	0.005	0.268	0.031	117.366	TRUE	2.38E-26
FEV1FVC	ITM2C	cg17674726	rs6747010	A	G	0.418	0.033	0.137	2.23E-36	0.000	0.003	0.959	0.041	158.562	TRUE	1.60E-35
FEV1FVC	ITM2C	cg17674726	rs77159514	G	A	0.712	0.091	0.037	4.18E-15	-0.005	0.007	0.499	0.016	61.578	TRUE	1.13E-14
FEV1FVC	ITM2C	cg18346707	rs114282251	C	G	0.194	0.025	0.331	2.19E-14	0.000	0.003	0.888	0.016	58.321	TRUE	3.84E-14
FEV1FVC	ITM2C	cg18346707	rs114708591	C	T	0.266	0.047	0.062	1.20E-08	0.002	0.005	0.611	0.009	32.468	TRUE	1.98E-08
FEV1FVC	ITM2C	cg18346707	rs114721632	A	G	0.431	0.062	0.092	5.25E-12	0.001	0.004	0.766	0.013	47.564	TRUE	9.07E-12
FEV1FVC	ITM2C	cg18346707	rs115155017	T	C	-0.526	0.075	0.027	2.13E-12	-0.002	0.007	0.729	0.013	49.332	TRUE	3.89E-12
FEV1FVC	ITM2C	cg18346707	rs13395705	C	G	0.369	0.043	0.078	1.06E-17	0.003	0.004	0.425	0.019	73.366	TRUE	3.71E-17
FEV1FVC	ITM2C	cg18346707	rs13402390	G	A	0.399	0.027	0.235	2.49E-49	0.003	0.003	0.237	0.056	217.865	TRUE	3.17E-47
FEV1FVC	ITM2C	cg18346707	rs3111750	T	C	-0.736	0.048	0.064	1.66E-52	-0.002	0.005	0.702	0.059	232.421	TRUE	9.73E-51
FEV1FVC	ITM2C	cg18346707	rs3111761	T	C	0.139	0.024	0.409	8.55E-09	0.003	0.002	0.216	0.009	33.129	TRUE	2.14E-08
FEV1FVC	ITM2C	cg18346707	rs56214836	T	C	0.275	0.026	0.281	1.58E-26	0.001	0.003	0.618	0.030	113.559	TRUE	8.07E-26
FEV1FVC	ITM2C	cg18346707	rs57399896	G	A	-0.410	0.058	0.116	1.26E-12	-0.007	0.004	0.073	0.013	50.357	TRUE	6.26E-12
FEV1FVC	ITM2C	cg18346707	rs7564278	G	T	0.393	0.036	0.115	2.33E-28	0.000	0.004	0.986	0.032	121.912	TRUE	8.55E-28
FEV1FVC	ITM2C	cg18346707	rs934824	C	G	-0.933	0.019	0.391	<1E-200	-0.007	0.002	0.005	0.388	2341.250	TRUE	<1E-200
FEV1FVC	ITM2C	cg18665334	rs35138159	A	G	0.147	0.024	0.373	7.59E-10	0.002	0.003	0.554	0.010	37.841	TRUE	1.41E-09
FEV1FVC	ITM2C	cg18994033	rs111819807	A	C	-0.814	0.122	0.023	2.71E-11	0.015	0.008	0.055	0.012	44.354	TRUE	1.27E-10
FEV1FVC	ITM2C	cg18994033	rs116469226	C	T	0.718	0.086	0.017	6.34E-17	0.009	0.008	0.269	0.019	69.830	TRUE	2.73E-16
FEV1FVC	ITM2C	cg18994033	rs13418270	G	A	0.762	0.032	0.143	2.85E-126	0.007	0.003	0.047	0.134	571.045	TRUE	2.99E-117
FEV1FVC	ITM2C	cg18994033	rs2918009	T	C	-0.239	0.028	0.233	3.79E-17	0.004	0.003	0.205	0.019	70.845	TRUE	1.89E-16
FEV1FVC	ITM2C	cg18994033	rs3111750	T	C	-0.473	0.049	0.064	3.36E-22	-0.002	0.005	0.702	0.025	93.823	TRUE	1.15E-21
FEV1FVC	ITM2C	cg18994033	rs3111784	G	A	0.213	0.037	0.113	1.15E-08	-0.003	0.004	0.463	0.009	32.557	TRUE	2.13E-08
FEV1FVC	ITM2C	cg18994033	rs59034351	T	C	-0.928	0.087	0.017	8.99E-27	0.024	0.009	0.007	0.030	114.673	TRUE	4.33E-25
FEV1FVC	ITM2C	cg18994033	rs60237566	G	T	-0.945	0.024	0.230	<1E-200	-0.001	0.003	0.855	0.294	1538.619	TRUE	2.87E-295
FEV1FVC	ITM2C	cg18994033	rs60774594	C	T	0.711	0.078	0.021	5.73E-20	0.015	0.009	0.094	0.022	83.665	TRUE	5.11E-19
FEV1FVC	ITM2C	cg18994033	rs6706979	A	G	-0.311	0.054	0.049	6.45E-09	0.021	0.006	1.84E-04	0.009	33.677	TRUE	6.38E-08
FEV1FVC	ITM2C	cg18994033	rs73992965	G	A	0.312	0.046	0.070	7.29E-12	-0.003	0.005	0.551	0.013	46.922	TRUE	1.52E-11

FEV1FVC	ITM2C	cg18994033	rs755435	A	C	-0.267	0.027	0.242	6.35E-23	-0.001	0.003	0.868	0.026	97.122	TRUE	1.88E-22
FEV1FVC	ITM2C	cg18994033	rs7606212	A	G	-0.340	0.056	0.122	1.70E-09	-0.007	0.004	0.056	0.010	36.268	TRUE	6.62E-09
FEV1FVC	ITM2C	cg18994033	rs76437481	G	C	-0.884	0.074	0.031	2.71E-33	-0.002	0.007	0.761	0.038	144.463	TRUE	1.97E-32
FEV1FVC	ITM2C	cg18994033	rs934822	A	G	0.368	0.027	0.241	1.19E-42	0.004	0.003	0.129	0.048	187.271	TRUE	9.80E-41
FEV1FVC	ITM2C	cg18994033	rs9653273	T	C	0.222	0.029	0.203	9.92E-15	-0.002	0.003	0.540	0.016	59.879	TRUE	2.47E-14
FEV1FVC	ITM2C	cg19455189	rs112711149	G	C	-0.859	0.112	0.025	1.33E-14	0.008	0.007	0.238	0.016	59.295	TRUE	5.08E-14
FEV1FVC	ITM2C	cg19455189	rs114721632	A	G	-0.539	0.062	0.092	4.08E-18	0.001	0.004	0.766	0.020	75.244	TRUE	9.87E-18
FEV1FVC	ITM2C	cg19455189	rs13417093	G	A	0.232	0.030	0.171	2.00E-14	-0.002	0.003	0.445	0.016	58.503	TRUE	5.54E-14
FEV1FVC	ITM2C	cg19455189	rs13418270	G	A	0.608	0.032	0.143	8.55E-79	0.007	0.003	0.047	0.087	353.000	TRUE	3.40E-74
FEV1FVC	ITM2C	cg19455189	rs2289235	A	G	0.317	0.023	0.467	3.74E-42	-0.003	0.002	0.171	0.048	184.998	TRUE	2.47E-40
FEV1FVC	ITM2C	cg19455189	rs2466149	T	C	-0.238	0.035	0.304	8.68E-12	0.006	0.003	0.022	0.012	46.580	TRUE	5.33E-11
FEV1FVC	ITM2C	cg19455189	rs3111750	T	C	-0.320	0.049	0.064	6.34E-11	-0.002	0.005	0.702	0.011	42.690	TRUE	1.10E-10
FEV1FVC	ITM2C	cg19455189	rs3111784	G	A	0.235	0.037	0.113	3.14E-10	-0.003	0.004	0.463	0.011	39.564	TRUE	6.44E-10
FEV1FVC	ITM2C	cg19455189	rs59034351	T	C	-0.788	0.087	0.017	1.18E-19	0.024	0.009	0.007	0.022	82.232	TRUE	2.43E-18
FEV1FVC	ITM2C	cg19455189	rs60237566	G	T	-0.897	0.024	0.230	2.12E-294	-0.001	0.003	0.855	0.267	1344.035	TRUE	1.00E-261
FEV1FVC	ITM2C	cg19455189	rs60774594	C	T	0.525	0.078	0.021	1.62E-11	0.015	0.009	0.094	0.012	45.363	TRUE	6.58E-11
FEV1FVC	ITM2C	cg19455189	rs73992965	G	A	0.287	0.046	0.070	3.14E-10	-0.003	0.005	0.551	0.011	39.563	TRUE	5.95E-10
FEV1FVC	ITM2C	cg19455189	rs755435	A	C	-0.269	0.027	0.242	3.38E-23	-0.001	0.003	0.868	0.026	98.368	TRUE	1.02E-22
FEV1FVC	ITM2C	cg19455189	rs7567211	G	A	-0.625	0.073	0.031	7.14E-18	-0.003	0.007	0.711	0.020	74.137	TRUE	1.81E-17
FEV1FVC	ITM2C	cg20020161	rs116469226	C	T	0.479	0.086	0.017	2.81E-08	0.009	0.008	0.269	0.008	30.815	TRUE	6.27E-08
FEV1FVC	ITM2C	cg20020161	rs3111750	T	C	-0.411	0.049	0.064	4.23E-17	-0.002	0.005	0.702	0.019	70.628	TRUE	1.04E-16
FEV1FVC	ITM2C	cg20020161	rs59481475	A	G	0.510	0.033	0.140	8.70E-55	0.007	0.003	0.038	0.062	242.873	TRUE	8.40E-52
FEV1FVC	ITM2C	cg20020161	rs60237566	G	T	-0.672	0.027	0.230	1.49E-137	-0.001	0.003	0.855	0.144	622.880	TRUE	4.17E-129
FEV1FVC	ITM2C	cg20020161	rs60774594	C	T	0.514	0.078	0.021	4.03E-11	0.015	0.009	0.094	0.012	43.574	TRUE	1.58E-10
FEV1FVC	ITM2C	cg20020161	rs755435	A	C	-0.170	0.027	0.242	3.70E-10	-0.001	0.003	0.868	0.010	39.244	TRUE	5.43E-10
FEV1FVC	ITM2C	cg20020161	rs76437481	G	C	-0.830	0.074	0.031	2.09E-29	-0.002	0.007	0.761	0.033	126.701	TRUE	1.11E-28
FEV1FVC	ITM2C	cg20020161	rs934822	A	G	0.263	0.027	0.241	1.93E-22	0.004	0.003	0.129	0.025	94.917	TRUE	1.87E-21
FEV1FVC	ITM2C	cg20020161	rs9653273	T	C	0.166	0.029	0.203	7.27E-09	-0.002	0.003	0.540	0.009	33.444	TRUE	1.27E-08
FEV1FVC	ITM2C	cg20307347	rs114721632	A	G	-0.487	0.062	0.092	5.13E-15	0.001	0.004	0.766	0.016	61.177	TRUE	1.04E-14
FEV1FVC	ITM2C	cg20307347	rs116469226	C	T	0.719	0.086	0.017	5.86E-17	0.009	0.008	0.269	0.019	69.985	TRUE	2.53E-16
FEV1FVC	ITM2C	cg20307347	rs3111750	T	C	-0.494	0.049	0.064	3.76E-24	-0.002	0.005	0.702	0.027	102.717	TRUE	1.47E-23
FEV1FVC	ITM2C	cg20307347	rs3111784	G	A	0.285	0.037	0.113	2.10E-14	-0.003	0.004	0.463	0.016	58.401	TRUE	5.64E-14
FEV1FVC	ITM2C	cg20307347	rs59034351	T	C	-0.826	0.087	0.017	1.87E-21	0.024	0.009	0.007	0.024	90.432	TRUE	4.75E-20
FEV1FVC	ITM2C	cg20307347	rs60237566	G	T	-0.819	0.026	0.230	8.46E-214	-0.001	0.003	0.855	0.208	973.374	TRUE	2.65E-195
FEV1FVC	ITM2C	cg20307347	rs60774594	C	T	0.748	0.078	0.021	5.86E-22	0.015	0.009	0.094	0.024	92.725	TRUE	6.33E-21
FEV1FVC	ITM2C	cg20307347	rs6436977	C	A	0.328	0.023	0.473	2.06E-45	-0.003	0.002	0.192	0.051	199.917	TRUE	1.80E-43
FEV1FVC	ITM2C	cg20307347	rs73992965	G	A	0.343	0.046	0.070	5.18E-14	-0.003	0.005	0.551	0.015	56.632	TRUE	1.23E-13
FEV1FVC	ITM2C	cg20307347	rs755435	A	C	-0.283	0.027	0.242	1.50E-25	-0.001	0.003	0.868	0.029	109.091	TRUE	5.31E-25
FEV1FVC	ITM2C	cg20307347	rs7567211	G	A	-0.509	0.073	0.031	2.49E-12	-0.003	0.007	0.711	0.013	49.025	TRUE	4.58E-12
FEV1FVC	ITM2C	cg20307347	rs7606212	A	G	-0.441	0.056	0.122	4.60E-15	-0.007	0.004	0.056	0.016	61.390	TRUE	3.12E-14
FEV1FVC	ITM2C	cg20307347	rs78229572	G	A	-0.280	0.048	0.058	4.23E-09	0.005	0.005	0.246	0.009	34.495	TRUE	1.03E-08
FEV1FVC	ITM2C	cg20307347	rs934822	A	G	0.274	0.027	0.241	3.80E-24	0.004	0.003	0.129	0.027	102.697	TRUE	4.31E-23

FEV1FVC	ITM2C	cg20307347	rs9808500	T	C	0.836	0.032	0.140	1.11E-150	0.007	0.004	0.041	0.156	683.212	TRUE	8.82E-139
FEV1FVC	ITM2C	cg20333027	rs184122315	T	C	0.808	0.090	0.017	1.73E-19	0.024	0.009	0.007	0.022	81.479	TRUE	3.58E-18
FEV1FVC	ITM2C	cg20333027	rs3098325	C	T	0.396	0.028	0.238	1.52E-45	0.004	0.003	0.191	0.051	200.519	TRUE	1.39E-43
FEV1FVC	ITM2C	cg20333027	rs3111784	G	A	-0.309	0.037	0.113	8.69E-17	-0.003	0.004	0.463	0.018	69.208	TRUE	2.74E-16
FEV1FVC	ITM2C	cg20333027	rs59481475	A	G	-0.637	0.032	0.140	2.35E-86	0.007	0.003	0.038	0.095	387.710	TRUE	4.70E-81
FEV1FVC	ITM2C	cg20333027	rs60774594	C	T	-0.567	0.078	0.021	3.28E-13	0.015	0.009	0.094	0.014	53.002	TRUE	1.56E-12
FEV1FVC	ITM2C	cg20333027	rs62195326	A	C	0.348	0.027	0.247	7.27E-39	0.000	0.003	0.960	0.044	169.943	TRUE	6.33E-38
FEV1FVC	ITM2C	cg20333027	rs6710419	A	G	-0.417	0.048	0.068	6.87E-18	0.006	0.005	0.268	0.020	74.213	TRUE	3.16E-17
FEV1FVC	ITM2C	cg20333027	rs73992921	G	C	0.822	0.029	0.174	5.29E-177	-0.002	0.003	0.459	0.179	804.203	TRUE	3.89E-163
FEV1FVC	ITM2C	cg20333027	rs78229572	G	A	0.402	0.047	0.058	2.21E-17	0.005	0.005	0.246	0.019	71.910	TRUE	1.02E-16
FEV1FVC	ITM2C	cg20333027	rs9653273	T	C	-0.224	0.029	0.203	6.71E-15	-0.002	0.003	0.540	0.016	60.648	TRUE	1.69E-14
FEV1FVC	ITM2C	cg21299958	rs73992921	G	C	0.222	0.030	0.174	2.57E-13	-0.002	0.003	0.459	0.014	53.480	TRUE	6.51E-13
FEV1FVC	ITM2C	cg22177286	rs114721632	A	G	0.523	0.062	0.092	4.12E-17	0.001	0.004	0.766	0.019	70.679	TRUE	9.41E-17
FEV1FVC	ITM2C	cg22177286	rs116469226	C	T	-0.690	0.086	0.017	1.03E-15	0.009	0.008	0.269	0.017	64.337	TRUE	4.03E-15
FEV1FVC	ITM2C	cg22177286	rs13417093	G	A	-0.264	0.030	0.171	2.88E-18	-0.002	0.003	0.445	0.020	75.929	TRUE	1.04E-17
FEV1FVC	ITM2C	cg22177286	rs3111784	G	A	-0.288	0.037	0.113	1.06E-14	-0.003	0.004	0.463	0.016	59.754	TRUE	2.89E-14
FEV1FVC	ITM2C	cg22177286	rs3816150	C	T	-0.330	0.023	0.470	9.04E-46	-0.003	0.002	0.232	0.052	201.559	TRUE	7.37E-44
FEV1FVC	ITM2C	cg22177286	rs60237566	G	T	0.761	0.027	0.230	1.38E-180	-0.001	0.003	0.855	0.182	820.673	TRUE	6.80E-167
FEV1FVC	ITM2C	cg22177286	rs60774594	C	T	-0.656	0.078	0.021	3.10E-17	0.015	0.009	0.094	0.019	71.239	TRUE	2.14E-16
FEV1FVC	ITM2C	cg22177286	rs62195288	T	C	-0.676	0.033	0.140	1.01E-95	0.007	0.004	0.046	0.104	430.720	TRUE	1.04E-89
FEV1FVC	ITM2C	cg22177286	rs62195326	A	C	0.287	0.027	0.247	8.86E-27	0.000	0.003	0.960	0.030	114.702	TRUE	2.93E-26
FEV1FVC	ITM2C	cg22177286	rs6436979	T	C	0.826	0.084	0.020	1.38E-22	0.022	0.009	0.013	0.025	95.585	TRUE	3.41E-21
FEV1FVC	ITM2C	cg22177286	rs78229572	G	A	0.406	0.047	0.058	1.26E-17	0.005	0.005	0.246	0.019	73.023	TRUE	5.90E-17
FEV1FVC	ITPR1	cg02799411	rs2279748	C	G	-0.220	0.025	0.358	6.43E-19	-0.003	0.003	0.325	0.021	78.888	TRUE	2.96E-18
FEV1FVC	ITPR1	cg03648908	rs11712971	A	G	-0.263	0.029	0.205	9.35E-20	0.004	0.003	0.194	0.022	82.698	TRUE	5.94E-19
FEV1FVC	ITPR1	cg03648908	rs140128694	A	G	0.818	0.094	0.032	4.32E-18	-0.001	0.007	0.881	0.020	75.131	TRUE	9.25E-18
FEV1FVC	ITPR1	cg03648908	rs1550559	A	G	-0.236	0.026	0.269	7.47E-20	0.001	0.003	0.733	0.022	83.140	TRUE	2.09E-19
FEV1FVC	ITPR1	cg03648908	rs3805009	A	G	0.726	0.026	0.244	2.25E-173	0.002	0.003	0.491	0.176	787.526	TRUE	4.51E-160
FEV1FVC	ITPR1	cg03648908	rs4685815	T	C	0.628	0.085	0.035	1.71E-13	0.002	0.007	0.742	0.014	54.286	TRUE	3.26E-13
FEV1FVC	ITPR1	cg03836615	rs2304820	C	T	0.328	0.028	0.215	2.90E-31	0.001	0.003	0.824	0.035	135.184	TRUE	1.61E-30
FEV1FVC	ITPR1	cg03836615	rs901853	T	G	-0.633	0.082	0.042	1.10E-14	0.004	0.006	0.493	0.016	59.675	TRUE	2.92E-14
FEV1FVC	ITPR1	cg05795849	rs17786144	C	T	0.309	0.034	0.129	2.00E-19	-0.003	0.003	0.355	0.021	81.199	TRUE	9.08E-19
FEV1FVC	ITPR1	cg05795849	rs2053504	G	A	0.142	0.024	0.409	3.13E-09	0.002	0.002	0.384	0.009	35.080	TRUE	6.56E-09
FEV1FVC	ITPR1	cg05795849	rs2633714	G	A	-0.187	0.025	0.326	1.11E-13	-0.001	0.003	0.584	0.015	55.126	TRUE	2.52E-13
FEV1FVC	ITPR1	cg05795849	rs3828436	G	T	-0.304	0.024	0.401	2.31E-37	0.000	0.002	0.961	0.042	163.067	TRUE	1.77E-36
FEV1FVC	ITPR1	cg05795849	rs6772040	T	C	-0.360	0.059	0.084	8.03E-10	0.001	0.004	0.748	0.010	37.732	TRUE	1.26E-09
FEV1FVC	ITPR1	cg05795849	rs931387	C	T	-0.175	0.025	0.345	9.96E-13	0.003	0.003	0.301	0.014	50.825	TRUE	2.96E-12
FEV1FVC	ITPR1	cg08998950	rs2119802	A	G	0.574	0.046	0.185	4.49E-35	-0.005	0.003	0.101	0.040	152.604	TRUE	1.77E-33
FEV1FVC	ITPR1	cg08998950	rs3805015	G	A	0.183	0.033	0.418	1.98E-08	0.002	0.002	0.469	0.008	31.497	TRUE	3.67E-08
FEV1FVC	ITPR1	cg08998950	rs75652455	T	C	0.931	0.102	0.023	9.98E-20	0.001	0.007	0.937	0.022	82.568	TRUE	2.21E-19
FEV1FVC	ITPR1	cg08998950	rs901854	G	A	0.463	0.023	0.397	1.60E-87	-0.001	0.002	0.612	0.096	393.065	TRUE	2.01E-83
FEV1FVC	ITPR1	cg08998950	rs9838930	C	T	0.217	0.024	0.395	1.83E-19	0.000	0.002	0.910	0.022	81.366	TRUE	4.14E-19

FEV1FVC	ITPR1	cg09654471	rs115959858	A	G	-0.414	0.071	0.068	4.59E-09	-0.014	0.005	0.003	0.009	34.339	TRUE	3.09E-08
FEV1FVC	ITPR1	cg09654471	rs2639801	G	A	-0.210	0.038	0.300	2.43E-08	-0.002	0.003	0.509	0.008	31.099	TRUE	4.25E-08
FEV1FVC	ITPR1	cg09654471	rs4685775	G	A	-0.360	0.041	0.099	2.46E-18	0.001	0.004	0.871	0.020	76.244	TRUE	5.38E-18
FEV1FVC	ITPR1	cg09654471	rs56098012	C	A	0.222	0.025	0.467	7.54E-19	-0.001	0.002	0.666	0.021	78.576	TRUE	2.10E-18
FEV1FVC	ITPR1	cg09654471	rs73102490	A	G	-1.291	0.037	0.106	1.79E-272	-0.001	0.004	0.805	0.252	1243.190	TRUE	6.80E-244
FEV1FVC	ITPR1	cg10887945	rs3792497	T	C	0.178	0.027	0.244	3.28E-11	0.001	0.003	0.719	0.012	43.977	TRUE	5.64E-11
FEV1FVC	ITPR1	cg11584376	rs11922422	C	G	0.237	0.031	0.161	1.79E-14	0.001	0.003	0.748	0.016	58.722	TRUE	3.54E-14
FEV1FVC	ITPR1	cg11584376	rs55963437	T	C	-0.179	0.033	0.139	4.81E-08	-0.001	0.003	0.831	0.008	29.774	TRUE	6.57E-08
FEV1FVC	ITPR1	cg11584376	rs6781893	T	C	0.215	0.029	0.204	1.60E-13	0.001	0.003	0.667	0.014	54.409	TRUE	3.32E-13
FEV1FVC	ITPR1	cg11584376	rs6785305	A	G	0.224	0.031	0.435	8.50E-13	0.000	0.002	0.863	0.014	51.136	TRUE	1.39E-12
FEV1FVC	ITPR1	cg11584376	rs9880589	G	T	-0.472	0.023	0.452	5.16E-97	0.003	0.002	0.195	0.106	436.647	TRUE	1.75E-91
FEV1FVC	ITPR1	cg11600734	rs2279748	C	G	-0.205	0.025	0.358	1.02E-16	-0.003	0.003	0.325	0.018	68.884	TRUE	3.98E-16
FEV1FVC	ITPR1	cg13707945	rs4684433	C	T	-0.140	0.025	0.329	1.38E-08	-0.006	0.003	0.016	0.009	32.203	TRUE	6.43E-08
FEV1FVC	ITPR1	cg18689402	rs115959858	A	G	-0.391	0.071	0.068	3.34E-08	-0.014	0.005	0.003	0.008	30.483	TRUE	1.99E-07
FEV1FVC	ITPR1	cg18689402	rs11712103	C	G	-0.350	0.049	0.114	8.14E-13	0.003	0.004	0.421	0.014	51.220	TRUE	2.06E-12
FEV1FVC	ITPR1	cg18689402	rs2639801	G	A	-0.366	0.037	0.300	8.00E-23	-0.002	0.003	0.509	0.025	96.664	TRUE	3.64E-22
FEV1FVC	ITPR1	cg18689402	rs56098012	C	A	0.349	0.025	0.467	6.39E-45	-0.001	0.002	0.666	0.051	197.668	TRUE	1.65E-43
FEV1FVC	ITPR1	cg18689402	rs6785564	G	A	-1.121	0.030	0.143	<1E-200	0.000	0.004	0.963	0.279	1429.598	TRUE	9.42E-277
FEV1FVC	ITPR1	cg19885037	rs7631664	G	A	-0.228	0.029	0.205	3.14E-15	0.002	0.003	0.604	0.017	62.143	TRUE	7.57E-15
FEV1FVC	ITPR1	cg21407899	rs1051559	G	A	0.405	0.030	0.188	9.11E-43	0.002	0.003	0.488	0.048	187.804	TRUE	2.71E-41
FEV1FVC	ITPR1	cg21407899	rs13096481	T	C	-0.140	0.025	0.319	3.58E-08	0.000	0.003	0.868	0.008	30.349	TRUE	4.74E-08
FEV1FVC	ITPR1	cg21407899	rs17041507	C	T	1.001	0.118	0.017	2.16E-17	-0.024	0.008	0.003	0.019	71.950	TRUE	4.32E-16
FEV1FVC	ITPR1	cg26389914	rs11712971	A	G	-0.269	0.029	0.205	4.52E-21	0.004	0.003	0.194	0.023	88.682	TRUE	3.23E-20
FEV1FVC	ITPR1	cg26389914	rs143961394	C	T	0.620	0.092	0.032	1.87E-11	0.001	0.007	0.877	0.012	45.080	TRUE	2.86E-11
FEV1FVC	ITPR1	cg26389914	rs1550559	A	G	-0.242	0.026	0.269	3.01E-21	0.001	0.003	0.733	0.024	89.491	TRUE	9.22E-21
FEV1FVC	ITPR1	cg26389914	rs3805009	A	G	0.737	0.025	0.244	5.40E-186	0.002	0.003	0.491	0.186	845.537	TRUE	5.62E-171
FEV1FVC	ITPR1	cg26389914	rs4685807	G	A	0.211	0.031	0.156	9.58E-12	0.000	0.003	0.918	0.012	46.387	TRUE	1.42E-11
FEV1FVC	ITPR1	cg26389914	rs4685815	T	C	0.602	0.084	0.035	5.96E-13	0.002	0.007	0.742	0.014	51.833	TRUE	1.10E-12
FEV1FVC	ITPR1	cg26389914	rs77255589	T	C	0.362	0.061	0.038	2.63E-09	-0.002	0.006	0.684	0.009	35.423	TRUE	4.22E-09
FEV1FVC	JAK1	cg00153395	rs2780889	T	A	-0.176	0.025	0.337	2.13E-12	-0.002	0.003	0.540	0.013	49.335	TRUE	4.59E-12
FEV1FVC	JAK1	cg07453451	rs11208554	C	G	-0.219	0.027	0.237	2.79E-16	0.007	0.003	0.018	0.018	66.912	TRUE	2.99E-15
FEV1FVC	JAK1	cg10873475	rs12142901	C	T	0.552	0.055	0.048	1.14E-23	0.000	0.006	0.958	0.026	100.524	TRUE	3.12E-23
FEV1FVC	JAK1	cg12075498	rs11208599	T	G	0.223	0.040	0.097	2.21E-08	0.000	0.004	0.919	0.008	31.288	TRUE	2.85E-08
FEV1FVC	JAK1	cg12075498	rs146551445	A	T	-0.580	0.060	0.038	2.39E-22	0.008	0.006	0.210	0.025	94.498	TRUE	1.81E-21
FEV1FVC	JAK1	cg12075498	rs1887048	G	A	-0.351	0.027	0.233	1.07E-37	0.002	0.003	0.453	0.043	164.597	TRUE	2.00E-36
FEV1FVC	JAK1	cg12075498	rs1926301	G	A	-0.291	0.038	0.225	3.21E-14	0.003	0.003	0.389	0.015	57.569	TRUE	9.36E-14
FEV1FVC	JAK1	cg12075498	rs2935411	G	T	-0.505	0.029	0.199	7.78E-69	0.005	0.003	0.078	0.077	307.302	TRUE	3.75E-65
FEV1FVC	JAK1	cg12075498	rs2993612	C	T	-0.946	0.033	0.129	8.36E-180	-0.003	0.004	0.444	0.181	817.082	TRUE	1.56E-165
FEV1FVC	JAK1	cg12075498	rs3002681	A	G	-0.431	0.025	0.327	7.94E-68	0.003	0.003	0.238	0.076	302.674	TRUE	1.31E-64
FEV1FVC	JAK1	cg12075498	rs310251	G	A	-0.896	0.022	0.294	<1E-200	0.004	0.003	0.161	0.314	1690.680	TRUE	<1E-200
FEV1FVC	JAK1	cg12075498	rs61784750	A	T	-0.893	0.085	0.020	4.30E-26	0.011	0.009	0.187	0.029	111.575	TRUE	4.89E-25
FEV1FVC	JAK1	cg12075498	rs72675457	T	C	-0.718	0.047	0.063	5.57E-53	0.006	0.005	0.185	0.060	234.595	TRUE	1.30E-50

FEV1FVC	JAK1	cg13420662	rs17397674	G	A	-0.313	0.043	0.074	1.76E-13	-0.001	0.004	0.756	0.014	54.230	TRUE	3.31E-13
FEV1FVC	JAK1	cg15082498	rs61786114	C	T	0.240	0.042	0.075	1.04E-08	-0.002	0.004	0.737	0.009	32.743	TRUE	1.57E-08
FEV1FVC	JAK1	cg22945413	rs11208575	A	G	-0.247	0.033	0.147	3.54E-14	-0.006	0.003	0.062	0.015	57.379	TRUE	2.09E-13
FEV1FVC	JAK1	cg22945413	rs113661291	G	A	-0.236	0.032	0.154	1.56E-13	0.002	0.003	0.522	0.015	54.461	TRUE	3.70E-13
FEV1FVC	JAK1	cg22945413	rs149969748	A	G	-0.802	0.103	0.014	7.21E-15	0.008	0.010	0.403	0.016	60.508	TRUE	2.15E-14
FEV1FVC	JAK1	cg22945413	rs167454	T	C	-0.224	0.028	0.224	1.06E-15	-0.007	0.003	0.023	0.017	64.276	TRUE	1.04E-14
FEV1FVC	JAK1	cg22945413	rs3014983	C	T	-0.167	0.028	0.223	1.59E-09	0.005	0.003	0.073	0.010	36.403	TRUE	5.85E-09
FEV1FVC	JAK1	cg22945413	rs61786113	A	G	-0.783	0.041	0.074	5.24E-80	-0.001	0.004	0.775	0.088	358.569	TRUE	1.22E-76
FEV1FVC	JAK1	cg22945413	rs61786882	A	C	-0.226	0.034	0.126	2.43E-11	-0.005	0.003	0.167	0.012	44.564	TRUE	8.11E-11
FEV1FVC	JAK1	cg25192081	rs310225	A	G	-0.174	0.027	0.229	1.49E-10	-0.005	0.003	0.069	0.011	41.021	TRUE	6.21E-10
FEV1FVC	JAK2	cg02405213	rs10974947	A	G	0.340	0.027	0.242	7.76E-36	-0.001	0.003	0.800	0.040	156.090	TRUE	6.73E-35
FEV1FVC	JAK2	cg02405213	rs10975044	C	G	-0.269	0.048	0.068	2.20E-08	-0.002	0.005	0.615	0.008	31.296	TRUE	3.54E-08
FEV1FVC	JAK2	cg02405213	rs117618324	A	G	-0.463	0.069	0.025	1.46E-11	-0.008	0.007	0.271	0.012	45.559	TRUE	4.15E-11
FEV1FVC	JAK2	cg02405213	rs143285975	T	G	0.396	0.058	0.040	1.28E-11	0.009	0.005	0.108	0.012	45.824	TRUE	5.05E-11
FEV1FVC	JAK2	cg02405213	rs1536799	C	T	0.414	0.050	0.054	1.17E-16	-0.005	0.005	0.360	0.018	68.619	TRUE	4.26E-16
FEV1FVC	JAK2	cg02405213	rs16922581	G	A	-1.046	0.117	0.021	3.65E-19	0.001	0.008	0.951	0.021	80.005	TRUE	7.68E-19
FEV1FVC	JAK2	cg02405213	rs2381194	A	G	-0.554	0.034	0.134	9.24E-59	-0.007	0.003	0.045	0.066	261.091	TRUE	1.35E-55
FEV1FVC	JAK2	cg02405213	rs36051895	T	G	-0.893	0.023	0.293	<1E-200	-0.005	0.003	0.072	0.293	1536.147	TRUE	2.34E-292
FEV1FVC	JAK2	cg02405213	rs62543884	C	T	-0.815	0.075	0.047	7.59E-28	-0.006	0.005	0.278	0.031	119.575	TRUE	8.13E-27
FEV1FVC	JAK2	cg02405213	rs7853655	T	C	-0.197	0.024	0.406	6.89E-17	-0.001	0.002	0.736	0.018	69.666	TRUE	1.59E-16
FEV1FVC	JAK2	cg02405213	rs78745832	T	C	-0.432	0.040	0.092	1.32E-26	-0.013	0.004	0.001	0.030	113.907	TRUE	1.12E-24
FEV1FVC	JAK2	cg02405213	rs79372822	T	A	-0.751	0.097	0.027	7.83E-15	-0.014	0.007	0.027	0.016	60.345	TRUE	6.38E-14
FEV1FVC	JAK2	cg03390472	rs11515395	G	T	-0.165	0.024	0.414	9.03E-12	-0.001	0.002	0.585	0.012	46.504	TRUE	1.80E-11
FEV1FVC	JAK2	cg03390472	rs117955585	T	C	-0.579	0.078	0.024	9.06E-14	-0.003	0.007	0.635	0.015	55.530	TRUE	1.95E-13
FEV1FVC	JAK2	cg03390472	rs12551254	T	C	-0.674	0.027	0.218	4.18E-135	0.001	0.003	0.680	0.142	611.634	TRUE	1.15E-126
FEV1FVC	JAK2	cg03390472	rs144525011	G	C	-0.693	0.094	0.036	1.53E-13	0.004	0.006	0.544	0.015	54.507	TRUE	3.55E-13
FEV1FVC	JAK2	cg03390472	rs150213183	A	G	-0.679	0.094	0.019	6.78E-13	0.008	0.009	0.372	0.014	51.578	TRUE	1.85E-12
FEV1FVC	JAK2	cg03390472	rs1887428	G	C	0.227	0.025	0.364	3.26E-20	-0.004	0.003	0.077	0.022	84.778	TRUE	3.22E-19
FEV1FVC	JAK2	cg03390472	rs72701653	G	A	0.284	0.049	0.058	8.53E-09	-0.011	0.005	0.023	0.009	33.133	TRUE	3.77E-08
FEV1FVC	JAK2	cg03508284	rs10974933	G	C	0.349	0.063	0.033	2.73E-08	-0.011	0.007	0.083	0.008	30.877	TRUE	8.42E-08
FEV1FVC	JAK2	cg03508284	rs12555131	G	C	-0.223	0.032	0.163	3.99E-12	-0.009	0.003	0.005	0.013	48.105	TRUE	3.62E-11
FEV1FVC	JAK2	cg03508284	rs150213183	A	G	-0.523	0.095	0.019	3.29E-08	0.008	0.009	0.372	0.008	30.515	TRUE	6.50E-08
FEV1FVC	JAK2	cg03508284	rs2274472	C	T	0.537	0.024	0.368	2.96E-114	0.002	0.003	0.502	0.122	515.837	TRUE	1.07E-107
FEV1FVC	JAK2	cg03508284	rs72701686	A	G	0.413	0.070	0.050	3.50E-09	0.000	0.006	0.982	0.009	34.864	TRUE	4.47E-09
FEV1FVC	JAK2	cg03508284	rs75574230	A	T	-0.218	0.032	0.153	1.62E-11	-0.006	0.003	0.079	0.012	45.356	TRUE	7.12E-11
FEV1FVC	JAK2	cg03508284	rs7874495	G	A	-0.267	0.026	0.294	8.43E-25	-0.003	0.003	0.236	0.028	105.679	TRUE	7.56E-24
FEV1FVC	JAK2	cg06858172	rs12554699	A	G	0.273	0.030	0.187	8.39E-20	0.003	0.003	0.258	0.022	82.911	TRUE	4.64E-19
FEV1FVC	JAK2	cg07999015	rs112964046	A	T	-0.522	0.067	0.035	5.98E-15	-0.013	0.007	0.056	0.016	60.874	TRUE	3.98E-14
FEV1FVC	JAK2	cg07999015	rs12335546	T	C	-0.651	0.026	0.267	1.84E-139	-0.005	0.003	0.043	0.146	631.650	TRUE	5.81E-129
FEV1FVC	JAK2	cg07999015	rs143285975	T	G	0.468	0.058	0.040	1.16E-15	0.009	0.005	0.108	0.017	64.097	TRUE	6.63E-15
FEV1FVC	JAK2	cg07999015	rs144525011	G	C	0.815	0.094	0.036	3.05E-18	0.004	0.006	0.544	0.020	75.813	TRUE	9.63E-18
FEV1FVC	JAK2	cg07999015	rs150213183	A	G	0.788	0.094	0.019	6.73E-17	0.008	0.009	0.372	0.018	69.712	TRUE	2.44E-16

FEV1FVC	JAK2	cg07999015	rs1887429	T	G	0.942	0.022	0.260	<1E-200	0.002	0.003	0.374	0.335	1862.747	TRUE	<1E-200
FEV1FVC	JAK2	cg07999015	rs62543879	C	T	-0.528	0.086	0.037	8.57E-10	-0.006	0.006	0.356	0.010	37.605	TRUE	1.91E-09
FEV1FVC	JAK2	cg07999015	rs6476919	C	T	-0.154	0.024	0.409	5.13E-11	-0.001	0.002	0.835	0.012	43.103	TRUE	7.94E-11
FEV1FVC	JAK2	cg07999015	rs7026646	G	A	-0.490	0.051	0.053	2.70E-22	-0.004	0.005	0.468	0.025	94.258	TRUE	1.26E-21
FEV1FVC	JAK2	cg07999015	rs7032487	G	T	0.168	0.024	0.406	1.52E-12	0.002	0.002	0.309	0.013	49.995	TRUE	4.33E-12
FEV1FVC	JAK2	cg07999015	rs72699528	G	C	0.366	0.067	0.032	4.16E-08	-0.002	0.006	0.720	0.008	30.057	TRUE	6.17E-08
FEV1FVC	JAK2	cg07999015	rs72699555	G	C	-0.597	0.096	0.029	5.40E-10	-0.001	0.007	0.934	0.010	38.505	TRUE	7.39E-10
FEV1FVC	JAK2	cg07999015	rs7868678	A	G	0.783	0.069	0.032	7.98E-30	0.001	0.007	0.833	0.034	128.607	TRUE	3.98E-29
FEV1FVC	JAK2	cg07999015	rs78745832	T	C	-0.258	0.041	0.092	2.04E-10	-0.013	0.004	0.001	0.011	40.407	TRUE	1.95E-09
FEV1FVC	JAK2	cg13568515	rs10123976	T	A	-1.117	0.019	0.265	<1E-200	-0.005	0.003	0.048	0.473	3314.124	TRUE	<1E-200
FEV1FVC	JAK2	cg13568515	rs10815223	T	C	0.165	0.025	0.338	6.07E-11	0.002	0.003	0.340	0.011	42.776	TRUE	1.50E-10
FEV1FVC	JAK2	cg13568515	rs113786699	T	C	-0.938	0.066	0.036	4.49E-46	-0.003	0.007	0.637	0.052	202.949	TRUE	1.41E-44
FEV1FVC	JAK2	cg13568515	rs117618324	A	G	-0.421	0.068	0.025	7.06E-10	-0.008	0.007	0.271	0.010	37.984	TRUE	1.77E-09
FEV1FVC	JAK2	cg13568515	rs1327497	A	T	0.304	0.024	0.392	8.62E-37	0.004	0.003	0.106	0.042	160.454	TRUE	4.06E-35
FEV1FVC	JAK2	cg13568515	rs1536799	C	T	0.317	0.050	0.054	2.20E-10	-0.005	0.005	0.360	0.011	40.256	TRUE	5.12E-10
FEV1FVC	JAK2	cg13568515	rs16922581	G	A	-1.120	0.116	0.021	6.15E-22	0.001	0.008	0.951	0.024	92.628	TRUE	1.52E-21
FEV1FVC	JAK2	cg13568515	rs547378966	C	A	0.372	0.030	0.187	7.38E-36	0.003	0.003	0.258	0.041	156.187	TRUE	1.81E-34
FEV1FVC	JAK2	cg13568515	rs62543879	C	T	-0.616	0.085	0.037	5.40E-13	-0.006	0.006	0.356	0.014	52.025	TRUE	1.50E-12
FEV1FVC	JAK2	cg13568515	rs7853655	T	C	-0.172	0.024	0.406	2.36E-13	-0.001	0.002	0.736	0.014	53.653	TRUE	4.46E-13
FEV1FVC	JAK2	cg13568515	rs78745832	T	C	-0.434	0.040	0.092	5.53E-27	-0.013	0.004	0.001	0.030	115.638	TRUE	4.93E-25
FEV1FVC	JAK2	cg20394284	rs12555131	G	C	0.296	0.032	0.163	2.67E-20	-0.009	0.003	0.005	0.023	85.174	TRUE	6.61E-19
FEV1FVC	JAK2	cg20394284	rs1536799	C	T	0.386	0.050	0.054	1.02E-14	-0.005	0.005	0.360	0.016	59.828	TRUE	3.21E-14
FEV1FVC	JAK2	cg20394284	rs1555477	T	C	0.166	0.024	0.429	1.85E-12	-0.002	0.002	0.406	0.013	49.609	TRUE	4.69E-12
FEV1FVC	JAK2	cg20394284	rs1887425	C	A	-0.310	0.024	0.415	4.08E-39	0.003	0.002	0.207	0.044	171.092	TRUE	1.63E-37
FEV1FVC	JAK2	cg20394284	rs1887428	G	C	0.592	0.024	0.364	7.16E-137	-0.004	0.003	0.077	0.144	619.753	TRUE	6.54E-127
FEV1FVC	JAK2	cg20394284	rs4637905	T	C	0.190	0.029	0.213	3.83E-11	-0.006	0.003	0.031	0.012	43.676	TRUE	2.06E-10
FEV1FVC	KAT5	cg04321396	rs4930305	T	C	-0.235	0.023	0.488	9.15E-24	-0.005	0.002	0.023	0.027	100.956	TRUE	2.04E-22
FEV1FVC	KAT5	cg11327039	rs140609671	T	C	0.424	0.073	0.028	7.78E-09	0.000	0.007	0.982	0.009	33.311	TRUE	9.86E-09
FEV1FVC	KAT5	cg11327039	rs2306363	T	G	0.402	0.029	0.210	1.20E-43	-0.001	0.003	0.801	0.049	191.841	TRUE	2.12E-42
FEV1FVC	KAT5	cg11327039	rs578056	T	C	-0.238	0.030	0.188	3.13E-15	0.002	0.003	0.518	0.017	62.149	TRUE	8.45E-15
FEV1FVC	KAT5	cg11327039	rs72939141	A	G	0.656	0.115	0.018	1.28E-08	-0.005	0.008	0.568	0.009	32.350	TRUE	2.17E-08
FEV1FVC	KAT5	cg11637721	rs481482	T	C	-0.187	0.030	0.199	2.15E-10	0.001	0.003	0.807	0.011	40.304	TRUE	3.28E-10
FEV1FVC	KAT5	cg11637721	rs7123489	A	C	0.213	0.025	0.354	4.14E-18	-0.006	0.003	0.017	0.020	75.214	TRUE	5.62E-17
FEV1FVC	KAT5	cg22114498	rs112437639	A	G	0.572	0.093	0.015	9.26E-10	0.022	0.009	0.017	0.010	37.454	TRUE	4.88E-09
FEV1FVC	KAT5	cg22114498	rs113367966	T	C	0.642	0.071	0.030	1.21E-19	-0.005	0.007	0.525	0.022	82.193	TRUE	4.28E-19
FEV1FVC	KAT5	cg22114498	rs1204772	T	C	-0.196	0.032	0.153	8.49E-10	0.004	0.003	0.177	0.010	37.623	TRUE	2.42E-09
FEV1FVC	KAT5	cg22114498	rs2306363	T	G	0.507	0.029	0.210	1.34E-69	-0.001	0.003	0.801	0.078	310.799	TRUE	5.89E-67
FEV1FVC	KAT5	cg22114498	rs35733402	G	A	0.183	0.032	0.167	7.08E-09	-0.001	0.003	0.860	0.009	33.495	TRUE	9.80E-09
FEV1FVC	KAT5	cg22114498	rs61895677	T	C	-0.265	0.023	0.454	9.23E-30	0.000	0.002	0.895	0.034	128.319	TRUE	4.16E-29
FEV1FVC	KAT5	cg22114498	rs71455787	G	A	0.205	0.029	0.207	7.87E-13	-0.004	0.003	0.164	0.014	51.287	TRUE	2.94E-12
FEV1FVC	KDR	cg01340163	rs11722486	T	G	0.307	0.031	0.188	1.14E-23	-0.008	0.003	0.015	0.026	100.526	TRUE	3.03E-22
FEV1FVC	KDR	cg07098391	rs12498317	A	G	-0.144	0.026	0.298	1.88E-08	0.013	0.003	6.96E-07	0.008	31.601	TRUE	3.18E-07

FEV1FVC	KDR	cg18177533	rs1350542	T	C	0.127	0.023	0.489	4.69E-08	-0.006	0.002	0.019	0.008	29.823	TRUE	1.94E-07
FEV1FVC	KDR	cg19420645	rs185919570	T	C	-0.171	0.030	0.174	1.65E-08	-0.008	0.003	0.009	0.009	31.851	TRUE	8.17E-08
FEV1FVC	KDR	cg19420645	rs78590050	C	T	0.495	0.037	0.187	2.80E-40	0.002	0.003	0.513	0.046	176.417	TRUE	5.96E-39
FEV1FVC	KDR	cg25444386	rs6818203	C	T	0.174	0.031	0.180	2.04E-08	-0.008	0.003	0.010	0.008	31.436	TRUE	1.02E-07
FEV1FVC	KIF1B	cg03517919	rs11121529	G	C	0.510	0.037	0.112	3.69E-42	-0.010	0.004	0.007	0.048	185.023	TRUE	1.32E-39
FEV1FVC	KIF1B	cg03517919	rs11121551	C	T	-0.246	0.024	0.358	3.52E-24	-0.005	0.003	0.046	0.027	102.849	TRUE	6.22E-23
FEV1FVC	KIF1B	cg11342332	rs12127553	G	A	0.156	0.024	0.336	1.13E-10	-0.005	0.003	0.045	0.011	41.558	TRUE	5.21E-10
FEV1FVC	KIF1B	cg11342332	rs185146752	A	G	0.414	0.068	0.028	1.36E-09	-0.007	0.007	0.313	0.010	36.711	TRUE	3.13E-09
FEV1FVC	KIF1B	cg11342332	rs4846204	T	C	-0.239	0.036	0.124	1.95E-11	-0.015	0.004	2.58E-05	0.012	44.994	TRUE	3.69E-10
FEV1FVC	KIF1B	cg11399195	rs11121529	G	C	-0.513	0.037	0.112	8.95E-43	-0.010	0.004	0.007	0.048	187.839	TRUE	3.49E-40
FEV1FVC	KIF1B	cg11399195	rs4240911	C	T	0.257	0.025	0.328	3.66E-25	-0.005	0.003	0.065	0.028	107.328	TRUE	6.39E-24
FEV1FVC	KIF1B	cg11712187	rs11121525	T	C	0.232	0.038	0.102	1.00E-09	-0.010	0.004	0.009	0.010	37.303	TRUE	5.96E-09
FEV1FVC	KIF1B	cg11712187	rs1307490	T	C	0.305	0.044	0.080	4.95E-12	0.005	0.004	0.268	0.013	47.680	TRUE	1.47E-11
FEV1FVC	KIF1B	cg11712187	rs568844631	C	T	0.878	0.067	0.028	7.08E-39	-0.006	0.007	0.423	0.044	169.994	TRUE	1.57E-37
FEV1FVC	KIF1B	cg11802797	rs11121529	G	C	0.336	0.038	0.112	5.13E-19	-0.010	0.004	0.007	0.021	79.335	TRUE	9.92E-18
FEV1FVC	KIF1B	cg11802797	rs35859381	A	G	-0.168	0.024	0.356	4.44E-12	-0.005	0.003	0.034	0.013	47.896	TRUE	2.49E-11
FEV1FVC	KIF1B	cg15208524	rs35111552	G	C	0.289	0.025	0.290	2.30E-30	-0.004	0.003	0.177	0.034	131.078	TRUE	4.26E-29
FEV1FVC	KIF1B	cg19092837	rs11121529	G	C	-0.334	0.037	0.112	2.22E-19	-0.010	0.004	0.007	0.021	80.989	TRUE	4.48E-18
FEV1FVC	KIF1B	cg19092837	rs115297149	T	G	0.492	0.066	0.028	8.27E-14	-0.007	0.007	0.313	0.015	55.711	TRUE	2.58E-13
FEV1FVC	KIF1B	cg19092837	rs12127553	G	A	0.145	0.024	0.336	1.80E-09	-0.005	0.003	0.045	0.010	36.162	TRUE	7.30E-09
FEV1FVC	KIF1B	cg23716690	rs11121529	G	C	-0.371	0.038	0.112	8.38E-23	-0.010	0.004	0.007	0.025	96.572	TRUE	2.54E-21
FEV1FVC	KIF1B	cg23716690	rs12127553	G	A	0.473	0.024	0.336	5.51E-87	-0.005	0.003	0.045	0.096	390.600	TRUE	1.00E-81
FEV1FVC	KIF1B	cg23716690	rs2086650	T	C	-0.136	0.024	0.459	8.20E-09	0.003	0.002	0.238	0.009	33.209	TRUE	1.96E-08
FEV1FVC	KIF1B	cg23716690	rs61782927	G	A	0.317	0.056	0.040	1.42E-08	-0.008	0.006	0.189	0.009	32.147	TRUE	3.59E-08
FEV1FVC	KIF1B	cg26116724	rs113331329	G	C	-0.464	0.073	0.030	2.22E-10	-0.011	0.007	0.107	0.011	40.244	TRUE	7.81E-10
FEV1FVC	KIF1B	cg26247646	rs11121529	G	C	-0.549	0.037	0.112	1.06E-48	-0.010	0.004	0.007	0.055	214.976	TRUE	9.65E-46
FEV1FVC	KIF1B	cg26247646	rs4240911	C	T	0.289	0.025	0.328	1.95E-31	-0.005	0.003	0.065	0.035	135.974	TRUE	6.64E-30
FEV1FVC	KIF1B	cg26247646	rs7536149	T	C	-0.145	0.026	0.274	1.41E-08	0.000	0.003	0.877	0.009	32.152	TRUE	1.90E-08
FEV1FVC	KIF25	cg01134139	rs2636354	C	T	-0.270	0.027	0.343	3.62E-24	0.000	0.003	0.866	0.027	102.789	TRUE	1.13E-23
FEV1FVC	KIF25	cg01134139	rs4708627	G	A	0.466	0.036	0.163	2.77E-39	0.000	0.003	0.933	0.044	171.863	TRUE	2.67E-38
FEV1FVC	KIF25	cg01878651	rs117005976	G	C	0.435	0.042	0.098	1.23E-25	0.004	0.004	0.303	0.029	109.486	TRUE	1.01E-24
FEV1FVC	KIF25	cg01878651	rs117460701	T	C	-0.583	0.103	0.033	1.64E-08	0.003	0.006	0.590	0.009	31.859	TRUE	2.72E-08
FEV1FVC	KIF25	cg01878651	rs11964963	C	T	0.248	0.029	0.279	9.20E-18	0.002	0.003	0.546	0.020	73.638	TRUE	2.77E-17
FEV1FVC	KIF25	cg01878651	rs227235	T	C	-0.674	0.025	0.325	2.66E-155	0.002	0.003	0.474	0.160	704.450	TRUE	2.82E-144
FEV1FVC	KIF25	cg01878651	rs227239	T	C	0.275	0.035	0.162	4.18E-15	0.000	0.003	0.984	0.016	61.581	TRUE	6.92E-15
FEV1FVC	KIF25	cg01878651	rs3734887	T	C	0.245	0.030	0.206	7.24E-16	-0.002	0.003	0.420	0.017	65.031	TRUE	2.31E-15
FEV1FVC	KIF25	cg01878651	rs649023	T	C	-0.204	0.027	0.373	2.75E-14	0.004	0.003	0.116	0.015	57.875	TRUE	1.33E-13
FEV1FVC	KIF25	cg03119088	rs6455477	A	T	-0.214	0.029	0.279	7.08E-14	0.000	0.003	0.966	0.015	56.016	TRUE	1.11E-13
FEV1FVC	KIF25	cg03662475	rs2636354	C	T	-0.162	0.027	0.343	1.35E-09	0.000	0.003	0.866	0.010	36.727	TRUE	1.89E-09
FEV1FVC	KIF25	cg03873264	rs116937646	C	T	-0.329	0.052	0.062	2.96E-10	0.001	0.005	0.764	0.011	39.676	TRUE	4.70E-10
FEV1FVC	KIF25	cg03873264	rs2076664	A	G	0.203	0.035	0.168	5.04E-09	0.001	0.003	0.881	0.009	34.154	TRUE	6.91E-09
FEV1FVC	KIF25	cg03873264	rs55996044	A	C	0.163	0.026	0.359	5.27E-10	-0.002	0.003	0.335	0.010	38.553	TRUE	1.22E-09

FEV1FVC	KIF25	cg03873264	rs57847661	T	A	-0.439	0.043	0.099	5.48E-25	0.002	0.004	0.579	0.028	106.529	TRUE	2.70E-24
FEV1FVC	KIF25	cg03873264	rs62426260	G	A	-0.227	0.028	0.289	3.10E-16	-0.003	0.003	0.331	0.018	66.701	TRUE	1.13E-15
FEV1FVC	KIF25	cg03873264	rs73040830	C	T	-1.791	0.070	0.031	1.74E-144	-0.003	0.007	0.677	0.150	654.748	TRUE	5.04E-135
FEV1FVC	KIF25	cg03873264	rs7741791	A	C	-0.305	0.033	0.193	7.08E-21	0.002	0.003	0.587	0.023	87.796	TRUE	2.58E-20
FEV1FVC	KIF25	cg03873264	rs9455926	T	C	-0.193	0.029	0.279	2.44E-11	0.002	0.003	0.580	0.012	44.554	TRUE	4.80E-11
FEV1FVC	KIF25	cg04680494	rs4708629	C	T	-0.157	0.026	0.402	1.51E-09	-0.006	0.003	0.010	0.010	36.496	TRUE	8.52E-09
FEV1FVC	KIF25	cg05282968	rs6922131	A	G	0.255	0.029	0.260	1.37E-18	0.000	0.003	0.930	0.020	77.392	TRUE	2.82E-18
FEV1FVC	KIF25	cg05392263	rs112582432	G	C	0.413	0.036	0.153	5.79E-30	0.002	0.003	0.646	0.034	129.243	TRUE	3.86E-29
FEV1FVC	KIF25	cg05392263	rs12663760	T	C	-0.303	0.044	0.076	7.28E-12	-0.001	0.004	0.875	0.013	46.925	TRUE	1.14E-11
FEV1FVC	KIF25	cg05392263	rs2636354	C	T	-0.154	0.027	0.343	8.67E-09	0.000	0.003	0.866	0.009	33.101	TRUE	1.18E-08
FEV1FVC	KIF25	cg08476511	rs10455760	T	G	0.178	0.029	0.275	7.19E-10	-0.002	0.003	0.539	0.010	37.947	TRUE	1.34E-09
FEV1FVC	KIF25	cg08476511	rs227235	T	C	-0.422	0.026	0.325	1.22E-57	0.002	0.003	0.474	0.065	255.957	TRUE	2.12E-55
FEV1FVC	KIF25	cg08476511	rs2516795	G	T	0.180	0.030	0.215	2.23E-09	-0.005	0.003	0.075	0.010	35.744	TRUE	7.96E-09
FEV1FVC	KIF25	cg08476511	rs4708627	G	A	0.838	0.034	0.163	6.02E-131	0.000	0.003	0.933	0.138	592.528	TRUE	2.77E-123
FEV1FVC	KIF25	cg08476511	rs6900844	A	G	0.354	0.030	0.243	6.91E-33	-0.002	0.003	0.539	0.037	142.601	TRUE	6.90E-32
FEV1FVC	KIF25	cg08476511	rs739322	A	G	0.462	0.043	0.081	1.78E-26	-0.004	0.004	0.400	0.030	113.321	TRUE	1.29E-25
FEV1FVC	KIF25	cg08476511	rs9455935	T	C	-0.235	0.029	0.260	8.41E-16	0.000	0.003	0.955	0.017	64.736	TRUE	1.49E-15
FEV1FVC	KIF25	cg10146514	rs2636362	G	T	-0.225	0.026	0.409	2.80E-18	0.001	0.002	0.755	0.020	75.981	TRUE	7.04E-18
FEV1FVC	KIF25	cg12003941	rs2516795	G	T	0.175	0.030	0.215	6.18E-09	-0.005	0.003	0.075	0.009	33.760	TRUE	2.11E-08
FEV1FVC	KIF25	cg12003941	rs2636362	G	T	-0.226	0.026	0.409	1.75E-18	0.001	0.002	0.755	0.020	76.907	TRUE	4.46E-18
FEV1FVC	KIF25	cg12003941	rs4708627	G	A	0.319	0.036	0.163	5.89E-19	0.000	0.003	0.933	0.021	79.061	TRUE	1.26E-18
FEV1FVC	KIF25	cg12003941	rs78769974	T	C	-0.403	0.062	0.047	1.03E-10	-0.007	0.006	0.208	0.011	41.746	TRUE	3.01E-10
FEV1FVC	KIF25	cg12003941	rs9295037	T	C	0.613	0.044	0.080	6.32E-45	-0.004	0.004	0.399	0.051	197.688	TRUE	2.85E-43
FEV1FVC	KIF25	cg13314057	rs57938508	G	A	0.208	0.029	0.260	1.28E-12	0.000	0.003	0.933	0.013	50.339	TRUE	1.94E-12
FEV1FVC	KIF25	cg13770417	rs2843005	T	C	0.154	0.028	0.281	4.24E-08	0.001	0.003	0.816	0.008	30.021	TRUE	5.81E-08
FEV1FVC	KIF25	cg13770417	rs41266301	C	T	-1.238	0.039	0.100	2.88E-222	0.005	0.004	0.215	0.215	1012.308	TRUE	4.37E-201
FEV1FVC	KIF25	cg13770417	rs4708629	C	T	0.177	0.026	0.402	9.79E-12	-0.006	0.003	0.010	0.012	46.344	TRUE	7.20E-11
FEV1FVC	KIF25	cg13770417	rs55996044	A	C	0.253	0.026	0.359	3.43E-22	-0.002	0.003	0.335	0.025	93.784	TRUE	1.98E-21
FEV1FVC	KIF25	cg13770417	rs9455928	A	T	-0.180	0.029	0.279	5.19E-10	0.002	0.003	0.538	0.010	38.584	TRUE	9.88E-10
FEV1FVC	KIF25	cg14316629	rs2516811	A	G	-0.291	0.031	0.226	1.71E-21	-0.001	0.003	0.851	0.024	90.611	TRUE	4.54E-21
FEV1FVC	KIF25	cg14316629	rs2843005	T	C	-0.197	0.028	0.281	2.28E-12	0.001	0.003	0.816	0.013	49.201	TRUE	3.80E-12
FEV1FVC	KIF25	cg14316629	rs4708627	G	A	-0.554	0.035	0.163	2.95E-55	0.000	0.003	0.933	0.062	245.028	TRUE	1.55E-53
FEV1FVC	KIF25	cg14316629	rs73042810	C	T	-0.485	0.062	0.049	3.17E-15	-0.008	0.006	0.138	0.017	62.124	TRUE	1.57E-14
FEV1FVC	KIF25	cg14316629	rs9295037	T	C	0.760	0.043	0.080	2.43E-69	-0.004	0.004	0.399	0.077	309.623	TRUE	2.78E-66
FEV1FVC	KIF25	cg15371806	rs227239	T	C	0.767	0.034	0.162	5.94E-114	0.000	0.003	0.984	0.122	514.448	TRUE	5.10E-108
FEV1FVC	KIF25	cg15371806	rs57161854	T	C	0.601	0.096	0.021	4.17E-10	-0.009	0.008	0.263	0.010	39.010	TRUE	1.07E-09
FEV1FVC	KIF25	cg15371806	rs9346641	A	T	-0.273	0.029	0.241	5.17E-21	-0.005	0.003	0.080	0.023	88.419	TRUE	5.30E-20
FEV1FVC	KIF25	cg15371806	rs9455933	T	C	-0.154	0.026	0.444	2.21E-09	-0.004	0.002	0.128	0.010	35.757	TRUE	6.86E-09
FEV1FVC	KIF25	cg16038269	rs227238	C	G	-0.175	0.027	0.321	8.45E-11	0.001	0.003	0.852	0.011	42.129	TRUE	1.28E-10
FEV1FVC	KIF25	cg16320173	rs9364390	T	G	-0.250	0.045	0.079	2.54E-08	-0.005	0.005	0.262	0.008	31.017	TRUE	5.67E-08
FEV1FVC	KIF25	cg16912129	rs3823455	G	A	-0.371	0.043	0.099	2.63E-18	0.003	0.004	0.507	0.020	76.109	TRUE	8.73E-18
FEV1FVC	KIF25	cg16912129	rs62426260	G	A	-0.173	0.028	0.289	5.99E-10	-0.003	0.003	0.331	0.010	38.303	TRUE	1.39E-09

FEV1FVC	KIF25	cg16912129	rs6924345	C	G	-0.193	0.032	0.203	2.52E-09	0.000	0.003	0.905	0.010	35.505	TRUE	3.45E-09
FEV1FVC	KIF25	cg16912129	rs73040836	T	G	-1.452	0.072	0.030	2.74E-90	-0.003	0.007	0.641	0.099	405.765	TRUE	5.22E-86
FEV1FVC	KIF25	cg16912129	rs7741791	A	C	-0.221	0.033	0.193	1.48E-11	0.002	0.003	0.587	0.012	45.541	TRUE	2.96E-11
FEV1FVC	KIF25	cg18009322	rs227239	T	C	0.374	0.035	0.162	9.19E-27	0.000	0.003	0.984	0.030	114.629	TRUE	3.02E-26
FEV1FVC	KIF25	cg18009322	rs2516791	T	C	-0.155	0.026	0.434	1.59E-09	0.001	0.002	0.829	0.010	36.402	TRUE	2.30E-09
FEV1FVC	KIF25	cg18319852	rs10945461	C	T	-0.224	0.027	0.294	3.31E-16	0.003	0.003	0.188	0.018	66.575	TRUE	1.57E-15
FEV1FVC	KIF25	cg18319852	rs9295037	T	C	0.669	0.043	0.080	1.38E-53	-0.004	0.004	0.399	0.060	237.371	TRUE	1.76E-51
FEV1FVC	KIF25	cg21477075	rs3778670	T	C	0.450	0.036	0.153	2.83E-35	0.001	0.003	0.704	0.040	153.516	TRUE	2.71E-34
FEV1FVC	KIF25	cg21477075	rs6455469	C	T	0.230	0.034	0.163	2.27E-11	0.000	0.003	0.962	0.012	44.695	TRUE	3.25E-11
FEV1FVC	KIF25	cg21477075	rs739323	T	G	0.466	0.064	0.043	3.61E-13	0.014	0.006	0.013	0.014	52.818	TRUE	3.04E-12
FEV1FVC	KIF25	cg21477075	rs78484265	C	A	0.210	0.038	0.121	3.42E-08	0.003	0.004	0.366	0.008	30.434	TRUE	6.84E-08
FEV1FVC	KIF25	cg21477075	rs9455911	G	C	-0.218	0.027	0.352	5.42E-16	0.003	0.003	0.235	0.017	65.604	TRUE	2.32E-15
FEV1FVC	KIF25	cg21477075	rs957382	T	C	-0.477	0.026	0.323	2.83E-73	0.001	0.003	0.833	0.081	327.670	TRUE	1.99E-70
FEV1FVC	KIF25	cg21906947	rs4708628	C	T	-0.198	0.027	0.294	5.23E-13	0.003	0.003	0.206	0.014	52.088	TRUE	1.86E-12
FEV1FVC	KIF25	cg23823000	rs140772139	A	G	-0.218	0.038	0.126	7.57E-09	-0.006	0.004	0.082	0.009	33.365	TRUE	2.47E-08
FEV1FVC	KIF25	cg23823000	rs2516811	A	G	-0.445	0.030	0.226	6.03E-49	-0.001	0.003	0.851	0.055	216.104	TRUE	1.73E-47
FEV1FVC	KIF25	cg23823000	rs4708627	G	A	-0.970	0.034	0.163	1.32E-181	0.000	0.003	0.933	0.182	825.369	TRUE	7.17E-168
FEV1FVC	KIF25	cg23823000	rs4708628	C	T	0.573	0.027	0.294	5.05E-103	0.003	0.003	0.206	0.112	464.244	TRUE	5.57E-97
FEV1FVC	KIF25	cg23823000	rs6900844	A	G	-0.258	0.030	0.243	4.50E-18	-0.002	0.003	0.539	0.020	75.050	TRUE	1.40E-17
FEV1FVC	KIF25	cg23823000	rs73028311	T	C	-0.608	0.108	0.030	2.02E-08	-0.011	0.007	0.134	0.008	31.455	TRUE	5.60E-08
FEV1FVC	KIF25	cg23823000	rs73042809	C	A	-0.437	0.059	0.054	8.17E-14	-0.008	0.005	0.110	0.015	55.735	TRUE	3.91E-13
FEV1FVC	KIF25	cg24246628	rs10455760	T	G	0.193	0.029	0.275	2.45E-11	-0.002	0.003	0.539	0.012	44.551	TRUE	4.97E-11
FEV1FVC	KIF25	cg24246628	rs10945461	C	T	-0.399	0.027	0.294	4.25E-49	0.003	0.003	0.188	0.055	216.804	TRUE	5.97E-47
FEV1FVC	KIF25	cg24246628	rs2516795	G	T	0.197	0.030	0.215	6.38E-11	-0.005	0.003	0.075	0.011	42.677	TRUE	2.65E-10
FEV1FVC	KIF25	cg24246628	rs2516811	A	G	0.257	0.031	0.226	4.94E-17	-0.001	0.003	0.851	0.019	70.321	TRUE	1.01E-16
FEV1FVC	KIF25	cg24246628	rs4708627	G	A	0.825	0.034	0.163	7.54E-127	0.000	0.003	0.933	0.134	573.699	TRUE	1.32E-119
FEV1FVC	KIF25	cg24246628	rs58330333	C	T	0.528	0.043	0.084	1.42E-34	-0.004	0.004	0.348	0.039	150.321	TRUE	2.40E-33
FEV1FVC	KIF25	cg25945504	rs6455477	A	T	-0.242	0.029	0.279	2.33E-17	0.000	0.003	0.966	0.019	71.807	TRUE	4.34E-17
FEV1FVC	KIF25	cg25945504	rs73260879	G	A	-1.974	0.120	0.011	6.78E-61	0.000	0.011	0.999	0.068	270.879	TRUE	6.23E-59
FEV1FVC	KIF25	cg25945504	rs739322	A	G	0.344	0.044	0.081	2.81E-15	-0.004	0.004	0.400	0.017	62.363	TRUE	8.62E-15
FEV1FVC	KIF25	cg27083466	rs73040836	T	G	-0.617	0.074	0.030	7.96E-17	-0.003	0.007	0.641	0.018	69.382	TRUE	2.02E-16
FEV1FVC	KITLG	cg17399545	rs11104881	T	C	-0.147	0.026	0.304	1.12E-08	-0.006	0.003	0.035	0.009	32.607	TRUE	4.44E-08
FEV1FVC	KRT18	cg04799958	rs2363633	A	G	-0.366	0.044	0.080	8.88E-17	0.014	0.004	0.001	0.018	69.168	TRUE	1.95E-15
FEV1FVC	KRT18	cg04799958	rs7311004	T	C	-0.165	0.024	0.401	4.56E-12	0.001	0.002	0.615	0.013	47.843	TRUE	9.01E-12
FEV1FVC	KRT18	cg07652628	rs2363633	A	G	-0.318	0.044	0.080	4.94E-13	0.014	0.004	0.001	0.014	52.200	TRUE	6.58E-12
FEV1FVC	KRT18	cg07652628	rs7311004	T	C	-0.154	0.024	0.401	1.05E-10	0.001	0.002	0.615	0.011	41.695	TRUE	1.93E-10
FEV1FVC	KRT18	cg14212748	rs2363633	A	G	-0.293	0.044	0.080	2.99E-11	0.014	0.004	0.001	0.012	44.162	TRUE	3.11E-10
FEV1FVC	KRT18	cg14212748	rs7311004	T	C	-0.180	0.024	0.401	3.89E-14	0.001	0.002	0.615	0.015	57.190	TRUE	8.68E-14
FEV1FVC	LAPTM4B	cg01857802	rs2449506	C	T	0.228	0.035	0.161	4.98E-11	-0.007	0.003	0.035	0.012	43.163	TRUE	2.56E-10
FEV1FVC	LAPTM4B	cg07673230	rs10096243	G	C	-0.166	0.026	0.377	1.68E-10	-0.003	0.003	0.230	0.011	40.787	TRUE	4.67E-10
FEV1FVC	LAPTM4B	cg07673230	rs115465290	T	A	0.310	0.035	0.152	6.70E-19	0.004	0.003	0.228	0.021	78.809	TRUE	3.68E-18
FEV1FVC	LAPTM4B	cg07673230	rs17744327	C	A	-0.179	0.032	0.187	2.60E-08	0.000	0.003	0.958	0.008	30.972	TRUE	3.29E-08

FEV1FVC	LAPTM4B	cg07673230	rs2331582	A	G	0.165	0.026	0.433	1.07E-10	0.002	0.002	0.350	0.011	41.670	TRUE	2.60E-10
FEV1FVC	LAPTM4B	cg07673230	rs2438208	T	C	-0.304	0.027	0.360	3.93E-30	0.001	0.003	0.709	0.034	130.014	TRUE	2.35E-29
FEV1FVC	LAPTM4B	cg07673230	rs62524061	A	G	0.242	0.028	0.297	2.09E-18	0.004	0.003	0.122	0.020	76.558	TRUE	1.45E-17
FEV1FVC	LAPTM4B	cg07673230	rs7828883	G	A	0.440	0.054	0.056	4.02E-16	0.001	0.005	0.813	0.018	66.193	TRUE	8.24E-16
FEV1FVC	LAPTM4B	cg19357416	rs10088086	G	T	-0.164	0.027	0.354	1.05E-09	0.000	0.003	0.991	0.010	37.211	TRUE	1.35E-09
FEV1FVC	LAPTM4B	cg19357416	rs2449506	C	T	0.210	0.035	0.161	1.32E-09	-0.007	0.003	0.035	0.010	36.756	TRUE	5.85E-09
FEV1FVC	LAPTM4B	cg19726712	rs10094310	A	C	-0.197	0.025	0.423	7.48E-15	-0.002	0.002	0.533	0.016	60.434	TRUE	1.91E-14
FEV1FVC	LAPTM4B	cg19726712	rs12676590	G	C	0.263	0.027	0.352	6.32E-23	0.000	0.003	0.974	0.026	97.130	TRUE	1.63E-22
FEV1FVC	LAPTM4B	cg19726712	rs13255407	C	T	-0.169	0.028	0.308	1.39E-09	-0.004	0.003	0.171	0.010	36.657	TRUE	4.02E-09
FEV1FVC	LAPTM4B	cg19726712	rs138701653	G	T	-1.068	0.111	0.014	6.53E-22	0.007	0.009	0.449	0.024	92.512	TRUE	3.05E-21
FEV1FVC	LAPTM4B	cg19726712	rs2438201	G	A	-0.507	0.031	0.219	5.55E-61	-0.002	0.003	0.565	0.068	271.280	TRUE	1.28E-58
FEV1FVC	LAPTM4B	cg19726712	rs2449502	T	G	-0.243	0.036	0.154	1.03E-11	-0.009	0.003	0.007	0.012	46.247	TRUE	8.28E-11
FEV1FVC	LAPTM4B	cg19726712	rs2449527	A	G	-0.226	0.030	0.224	7.35E-14	0.005	0.003	0.070	0.015	55.942	TRUE	4.13E-13
FEV1FVC	LAPTM4B	cg19726712	rs2512067	G	T	0.537	0.054	0.058	1.83E-23	-0.003	0.005	0.545	0.026	99.581	TRUE	8.39E-23
FEV1FVC	LAPTM4B	cg19726712	rs28883275	A	G	-0.818	0.116	0.011	1.41E-12	0.022	0.011	0.046	0.013	50.139	TRUE	7.91E-12
FEV1FVC	LAPTM4B	cg20541656	rs147931051	A	G	0.448	0.035	0.152	1.21E-36	-0.007	0.003	0.034	0.041	159.778	TRUE	1.04E-34
FEV1FVC	LAPTM4B	cg20541656	rs17741980	T	C	0.479	0.082	0.025	5.66E-09	0.005	0.007	0.493	0.009	33.929	TRUE	1.05E-08
FEV1FVC	LAPTM4B	cg20541656	rs1968838	C	T	0.194	0.029	0.253	4.81E-11	-0.005	0.003	0.104	0.012	43.228	TRUE	1.80E-10
FEV1FVC	LAPTM4B	cg20541656	rs2449527	A	G	-0.172	0.030	0.224	1.30E-08	0.005	0.003	0.070	0.009	32.308	TRUE	4.38E-08
FEV1FVC	LAPTM4B	cg20541656	rs79378132	T	A	0.350	0.038	0.122	5.99E-20	-0.016	0.004	3.99E-05	0.022	83.576	TRUE	4.15E-18
FEV1FVC	LAPTM4B	cg22581831	rs2468038	A	C	-0.620	0.055	0.055	4.34E-29	0.009	0.005	0.075	0.033	125.247	TRUE	1.08E-27
FEV1FVC	LAPTM5	cg08463932	rs11801629	G	C	0.473	0.025	0.291	1.69E-78	-0.005	0.003	0.084	0.087	351.642	TRUE	3.98E-74
FEV1FVC	LAPTM5	cg10001720	rs10737354	T	G	0.368	0.023	0.462	4.74E-57	-0.003	0.002	0.276	0.064	253.252	TRUE	1.37E-54
FEV1FVC	LAPTM5	cg10001720	rs10753237	A	G	-0.298	0.045	0.158	2.20E-11	0.001	0.003	0.686	0.012	44.760	TRUE	3.95E-11
FEV1FVC	LAPTM5	cg10001720	rs10914199	T	C	0.473	0.030	0.186	2.70E-57	-0.001	0.003	0.850	0.064	254.369	TRUE	2.12E-55
FEV1FVC	LAPTM5	cg10001720	rs11584510	T	G	-0.272	0.042	0.080	9.86E-11	-0.009	0.004	0.027	0.011	41.826	TRUE	5.16E-10
FEV1FVC	LAPTM5	cg10001720	rs1188348	C	T	0.844	0.022	0.325	<1E-200	-0.004	0.003	0.119	0.294	1538.550	TRUE	3.57E-293
FEV1FVC	LAPTM5	cg10001720	rs12130925	G	A	-0.395	0.039	0.099	1.10E-23	-0.001	0.004	0.804	0.026	100.586	TRUE	3.60E-23
FEV1FVC	LAPTM5	cg10001720	rs2506968	T	C	-0.147	0.025	0.335	2.32E-09	0.003	0.003	0.183	0.010	35.663	TRUE	6.33E-09
FEV1FVC	LAPTM5	cg10001720	rs4949310	T	C	0.217	0.025	0.319	1.91E-18	-0.001	0.003	0.832	0.020	76.740	TRUE	4.33E-18
FEV1FVC	LAPTM5	cg10001720	rs72657208	G	C	-0.546	0.046	0.077	2.71E-32	0.001	0.004	0.853	0.036	139.888	TRUE	1.60E-31
FEV1FVC	LAPTM5	cg10001720	rs76756206	G	C	-0.587	0.079	0.017	1.01E-13	-0.006	0.007	0.399	0.015	55.310	TRUE	2.82E-13
FEV1FVC	LAPTM5	cg10709350	rs1149050	G	A	-0.307	0.028	0.234	7.27E-28	0.000	0.003	0.918	0.031	119.658	TRUE	2.79E-27
FEV1FVC	LAPTM5	cg10709350	rs1149053	T	C	-0.273	0.031	0.164	7.52E-19	0.000	0.003	0.987	0.021	78.579	TRUE	1.51E-18
FEV1FVC	LAPTM5	cg10709350	rs1391381	C	T	-0.149	0.027	0.250	3.16E-08	0.002	0.003	0.495	0.008	30.593	TRUE	5.63E-08
FEV1FVC	LAPTM5	cg10709350	rs1882023	T	C	-0.222	0.025	0.291	1.31E-18	0.003	0.003	0.224	0.021	77.487	TRUE	7.07E-18
FEV1FVC	LAPTM5	cg10709350	rs2377485	A	G	0.253	0.030	0.184	2.63E-17	-0.001	0.003	0.828	0.019	71.569	TRUE	5.61E-17
FEV1FVC	LAPTM5	cg10709350	rs3795438	T	C	0.927	0.022	0.268	<1E-200	-0.003	0.003	0.329	0.326	1786.161	TRUE	<1E-200
FEV1FVC	LAPTM5	cg12654790	rs11801629	G	C	0.493	0.025	0.291	1.14E-85	-0.005	0.003	0.084	0.094	384.563	TRUE	9.86E-81
FEV1FVC	LAPTM5	cg12654790	rs6695981	C	T	0.172	0.028	0.213	7.17E-10	-0.001	0.003	0.649	0.010	37.954	TRUE	1.23E-09
FEV1FVC	LAPTM5	cg15459165	rs12744988	T	C	0.308	0.026	0.288	3.16E-33	-0.005	0.003	0.074	0.038	144.153	TRUE	1.27E-31
FEV1FVC	LAPTM5	cg15459165	rs35861413	A	C	-0.177	0.030	0.187	3.60E-09	-0.001	0.003	0.873	0.009	34.808	TRUE	4.99E-09

FEV1FVC	LAPTM5	cg17418085	rs34854980	A	T	-0.206	0.030	0.184	4.53E-12	-0.001	0.003	0.652	0.013	47.855	TRUE	8.67E-12
FEV1FVC	LAPTM5	cg18221336	rs1050663	T	C	-0.387	0.023	0.490	4.82E-65	0.003	0.002	0.199	0.073	289.904	TRUE	6.03E-62
FEV1FVC	LAPTM5	cg18221336	rs56286814	T	G	0.154	0.027	0.248	1.06E-08	-0.003	0.003	0.288	0.009	32.712	TRUE	2.38E-08
FEV1FVC	LAPTM5	cg18411043	rs1050663	T	C	-0.166	0.023	0.490	1.39E-12	0.003	0.002	0.199	0.013	50.173	TRUE	4.83E-12
FEV1FVC	LAPTM5	cg18411043	rs35861413	A	C	-0.219	0.030	0.187	2.45E-13	-0.001	0.003	0.873	0.014	53.577	TRUE	4.10E-13
FEV1FVC	LAPTM5	cg22034203	rs10753237	A	G	-0.283	0.045	0.158	2.19E-10	0.001	0.003	0.686	0.011	40.270	TRUE	3.73E-10
FEV1FVC	LAPTM5	cg22034203	rs112880254	A	G	-0.350	0.037	0.110	4.30E-21	0.001	0.004	0.780	0.023	88.782	TRUE	1.24E-20
FEV1FVC	LAPTM5	cg22034203	rs11584510	T	G	-0.270	0.042	0.080	1.41E-10	-0.009	0.004	0.027	0.011	41.134	TRUE	7.23E-10
FEV1FVC	LAPTM5	cg22034203	rs12403217	G	A	0.500	0.081	0.023	5.66E-10	0.001	0.008	0.881	0.010	38.415	TRUE	8.05E-10
FEV1FVC	LAPTM5	cg22034203	rs1746056	T	C	0.791	0.021	0.401	<1E-200	-0.006	0.003	0.024	0.282	1451.701	TRUE	2.90E-277
FEV1FVC	LAPTM5	cg22034203	rs2273979	T	C	0.642	0.029	0.184	9.92E-108	-0.002	0.003	0.583	0.116	485.863	TRUE	6.75E-102
FEV1FVC	LAPTM5	cg22034203	rs4310484	A	G	-0.190	0.033	0.136	1.28E-08	0.003	0.003	0.323	0.009	32.348	TRUE	2.75E-08
FEV1FVC	LAPTM5	cg22034203	rs76756206	G	C	-0.561	0.079	0.017	1.26E-12	-0.006	0.007	0.399	0.013	50.365	TRUE	3.24E-12
FEV1FVC	LAPTM5	cg24459792	rs12137058	G	T	-0.241	0.029	0.192	1.24E-16	-0.002	0.003	0.580	0.018	68.502	TRUE	3.40E-16
FEV1FVC	LARP1	cg06062998	rs12153047	T	C	0.873	0.090	0.025	2.43E-22	-0.010	0.008	0.223	0.025	94.463	TRUE	1.81E-21
FEV1FVC	LARP1	cg06062998	rs1421814	C	G	0.857	0.048	0.071	5.56E-72	0.000	0.005	0.990	0.080	321.736	TRUE	2.42E-69
FEV1FVC	LARP1	cg06062998	rs4348271	A	G	0.191	0.034	0.146	2.77E-08	0.003	0.003	0.433	0.008	30.849	TRUE	5.20E-08
FEV1FVC	LARP1	cg06912665	rs3867429	T	C	0.241	0.023	0.494	6.08E-26	-0.005	0.002	0.030	0.029	110.887	TRUE	1.59E-24
FEV1FVC	LARP1	cg16835415	rs12153047	T	C	0.727	0.090	0.025	7.33E-16	-0.010	0.008	0.223	0.017	65.007	TRUE	3.17E-15
FEV1FVC	LARP1	cg16835415	rs7709899	A	G	0.879	0.047	0.071	1.38E-79	0.000	0.005	0.992	0.088	356.642	TRUE	1.84E-76
FEV1FVC	LARP1	cg23944572	rs10039709	G	A	0.316	0.026	0.275	1.19E-33	0.003	0.003	0.325	0.038	146.093	TRUE	1.91E-32
FEV1FVC	LARP1	cg23944572	rs34514305	C	T	0.153	0.024	0.433	7.62E-11	0.003	0.002	0.253	0.011	42.331	TRUE	2.13E-10
FEV1FVC	LGALS3	cg02183170	rs12896938	C	T	-0.159	0.028	0.212	1.06E-08	0.003	0.003	0.268	0.009	32.704	TRUE	2.44E-08
FEV1FVC	LGALS3	cg02183170	rs66782529	T	C	-0.399	0.024	0.329	1.00E-59	-0.003	0.003	0.264	0.067	265.512	TRUE	4.43E-57
FEV1FVC	LGALS3	cg02183170	rs78059908	T	C	-0.266	0.037	0.116	1.33E-12	-0.003	0.004	0.402	0.013	50.264	TRUE	3.41E-12
FEV1FVC	LGALS3	cg02183170	rs79860430	G	A	-0.297	0.052	0.050	8.81E-09	-0.008	0.005	0.125	0.009	33.069	TRUE	2.55E-08
FEV1FVC	LGALS3	cg04306507	rs10782426	A	G	-0.554	0.023	0.487	3.61E-129	-0.001	0.002	0.818	0.136	584.358	TRUE	1.42E-121
FEV1FVC	LGALS3	cg04306507	rs117044971	A	C	0.657	0.062	0.066	2.86E-26	0.003	0.005	0.519	0.029	112.379	TRUE	1.69E-25
FEV1FVC	LGALS3	cg04306507	rs118105307	T	C	0.503	0.069	0.029	4.07E-13	0.022	0.007	0.001	0.014	52.582	TRUE	5.46E-12
FEV1FVC	LGALS3	cg04306507	rs1187883	T	C	0.911	0.019	0.428	<1E-200	0.006	0.002	0.012	0.393	2394.409	TRUE	<1E-200
FEV1FVC	LGALS3	cg04306507	rs12437135	G	A	0.269	0.047	0.068	1.54E-08	0.003	0.005	0.500	0.009	31.986	TRUE	2.77E-08
FEV1FVC	LGALS3	cg04306507	rs17739689	A	T	0.806	0.037	0.105	9.33E-108	-0.005	0.004	0.198	0.116	485.985	TRUE	2.84E-101
FEV1FVC	LGALS3	cg04306507	rs1959091	G	T	-0.238	0.037	0.110	1.61E-10	-0.006	0.004	0.122	0.011	40.870	TRUE	5.56E-10
FEV1FVC	LGALS3	cg04306507	rs2236299	A	G	-0.323	0.025	0.295	4.59E-37	0.001	0.003	0.811	0.042	161.707	TRUE	4.30E-36
FEV1FVC	LGALS3	cg04306507	rs34670213	G	A	0.351	0.029	0.188	3.22E-33	0.003	0.003	0.280	0.038	144.117	TRUE	5.80E-32
FEV1FVC	LGALS3	cg04306507	rs7141976	T	C	-0.188	0.029	0.247	9.10E-11	-0.011	0.003	6.20E-05	0.011	41.984	TRUE	1.44E-09
FEV1FVC	LGALS3	cg04306507	rs7142872	G	C	0.279	0.050	0.059	1.95E-08	0.008	0.005	0.126	0.008	31.525	TRUE	5.54E-08
FEV1FVC	LGALS3	cg04306507	rs7144510	T	C	-0.401	0.025	0.286	5.95E-56	-0.001	0.003	0.696	0.063	248.216	TRUE	5.25E-54
FEV1FVC	LGALS3	cg04306507	rs7148450	C	G	-0.265	0.031	0.168	2.45E-17	0.001	0.003	0.880	0.019	71.709	TRUE	5.00E-17
FEV1FVC	LGALS3	cg04306507	rs7160055	C	T	-0.568	0.045	0.140	9.96E-37	-0.009	0.003	0.007	0.042	160.167	TRUE	1.79E-34
FEV1FVC	LGALS3	cg04306507	rs72715557	T	C	-0.534	0.064	0.035	9.05E-17	-0.004	0.006	0.485	0.018	69.129	TRUE	2.78E-16
FEV1FVC	LGALS3	cg04306507	rs77878673	T	C	0.605	0.110	0.023	3.82E-08	0.007	0.008	0.370	0.008	30.222	TRUE	7.53E-08

FEV1FVC	LGALS3	cg04306507	rs78699839	A	C	0.644	0.054	0.044	7.07E-33	0.003	0.005	0.580	0.037	142.555	TRUE	6.67E-32
FEV1FVC	LGALS3	cg04306507	rs79860430	G	A	0.639	0.051	0.050	1.20E-35	-0.008	0.005	0.125	0.040	155.222	TRUE	4.52E-34
FEV1FVC	LGALS3	cg04306507	rs8010372	A	G	0.235	0.026	0.296	9.39E-20	0.007	0.003	0.009	0.022	82.689	TRUE	1.90E-18
FEV1FVC	LGALS3	cg04306507	rs8012397	C	A	0.621	0.042	0.093	3.37E-49	0.017	0.004	3.52E-05	0.055	217.261	TRUE	2.21E-45
FEV1FVC	LGALS3	cg04306507	rs8021103	T	G	0.220	0.029	0.209	7.51E-14	0.004	0.003	0.177	0.015	55.899	TRUE	2.99E-13
FEV1FVC	LGALS3	cg04306507	rs945268	G	A	-0.145	0.024	0.470	8.56E-10	0.000	0.002	0.982	0.010	37.609	TRUE	1.13E-09
FEV1FVC	LGALS3	cg09939831	rs35082180	T	G	0.214	0.038	0.111	2.23E-08	0.017	0.004	6.56E-06	0.008	31.270	TRUE	2.89E-07
FEV1FVC	LGALS3	cg14871010	rs2341534	G	C	0.252	0.034	0.291	1.23E-13	-0.001	0.003	0.804	0.015	54.926	TRUE	2.25E-13
FEV1FVC	LGALS3	cg18273401	rs112424812	A	G	0.303	0.047	0.064	1.15E-10	-0.008	0.005	0.092	0.011	41.521	TRUE	4.36E-10
FEV1FVC	LGALS3	cg18273401	rs11848576	T	C	0.234	0.037	0.109	3.94E-10	0.000	0.004	0.921	0.010	39.121	TRUE	5.49E-10
FEV1FVC	LGALS3	cg18273401	rs74502136	T	A	0.353	0.048	0.072	1.64E-13	0.023	0.005	2.62E-06	0.014	54.371	TRUE	6.25E-12
FEV1FVC	LGALS3	cg18996663	rs1815580	G	A	-0.142	0.024	0.428	1.84E-09	0.004	0.002	0.065	0.010	36.118	TRUE	6.78E-09
FEV1FVC	LGALS3	cg20008101	rs78811976	A	G	-0.303	0.043	0.089	2.48E-12	0.014	0.004	0.001	0.013	49.039	TRUE	3.02E-11
FEV1FVC	LGALS3	cg20008101	rs946063	T	A	0.152	0.026	0.274	6.09E-09	-0.003	0.003	0.354	0.009	33.788	TRUE	1.31E-08
FEV1FVC	LGALS3	cg23575099	rs57571649	T	A	-0.222	0.031	0.166	1.16E-12	0.002	0.003	0.527	0.013	50.532	TRUE	2.61E-12
FEV1FVC	LGALS8	cg01030476	rs10925181	G	A	0.249	0.033	0.143	6.74E-14	0.004	0.003	0.218	0.015	56.113	TRUE	2.51E-13
FEV1FVC	LGALS8	cg01030476	rs12135604	C	A	0.571	0.025	0.293	9.19E-112	0.005	0.003	0.058	0.120	504.390	TRUE	2.59E-104
FEV1FVC	LGALS8	cg01030476	rs2435261	T	C	0.252	0.040	0.093	3.60E-10	0.006	0.004	0.148	0.011	39.295	TRUE	1.14E-09
FEV1FVC	LGALS8	cg01030476	rs61135021	C	G	0.203	0.027	0.257	2.42E-14	0.004	0.003	0.114	0.015	58.128	TRUE	1.21E-13
FEV1FVC	LGALS8	cg01030476	rs707217	G	A	0.142	0.025	0.327	1.23E-08	0.000	0.003	0.953	0.009	32.423	TRUE	1.59E-08
FEV1FVC	LGALS8	cg01030476	rs76913714	C	G	0.509	0.075	0.026	1.37E-11	0.010	0.008	0.189	0.012	45.680	TRUE	4.51E-11
FEV1FVC	LGALS8	cg01809927	rs10802552	T	C	0.439	0.042	0.076	2.21E-25	0.001	0.005	0.788	0.028	108.333	TRUE	8.30E-25
FEV1FVC	LGALS8	cg01809927	rs10925158	A	G	0.310	0.053	0.101	4.42E-09	0.005	0.004	0.188	0.009	34.411	TRUE	1.19E-08
FEV1FVC	LGALS8	cg01809927	rs114507560	A	G	0.451	0.066	0.064	6.07E-12	-0.002	0.005	0.634	0.013	47.281	TRUE	1.17E-11
FEV1FVC	LGALS8	cg01809927	rs12088366	A	C	0.457	0.043	0.079	6.38E-26	0.004	0.005	0.359	0.029	110.790	TRUE	4.90E-25
FEV1FVC	LGALS8	cg01809927	rs145576998	A	C	-0.454	0.063	0.065	6.96E-13	-0.001	0.005	0.790	0.014	51.527	TRUE	1.23E-12
FEV1FVC	LGALS8	cg01809927	rs2758993	A	G	0.839	0.021	0.320	<1E-200	0.006	0.003	0.033	0.297	1559.259	TRUE	9.72E-296
FEV1FVC	LGALS8	cg01809927	rs4659707	G	A	0.352	0.024	0.387	1.74E-50	0.003	0.003	0.176	0.057	223.164	TRUE	2.97E-48
FEV1FVC	LGALS8	cg01809927	rs594911	C	G	0.391	0.045	0.073	1.87E-18	0.012	0.005	0.008	0.020	76.781	TRUE	3.19E-17
FEV1FVC	LGALS8	cg01809927	rs707213	A	G	0.581	0.072	0.030	7.60E-16	0.004	0.007	0.625	0.017	64.937	TRUE	1.86E-15
FEV1FVC	LGALS8	cg03082060	rs10925155	A	T	0.333	0.026	0.283	2.92E-37	0.003	0.003	0.292	0.042	162.604	TRUE	7.37E-36
FEV1FVC	LGALS8	cg03082060	rs113243866	A	G	-0.333	0.041	0.077	5.94E-16	-0.002	0.004	0.646	0.017	65.421	TRUE	1.45E-15
FEV1FVC	LGALS8	cg03989567	rs10925158	A	G	0.831	0.052	0.101	4.53E-57	0.005	0.004	0.188	0.064	253.340	TRUE	1.91E-54
FEV1FVC	LGALS8	cg03989567	rs653737	C	T	0.276	0.031	0.172	1.03E-18	0.005	0.003	0.098	0.021	77.968	TRUE	8.03E-18
FEV1FVC	LGALS8	cg05338187	rs10925181	G	A	0.261	0.033	0.143	4.21E-15	0.004	0.003	0.218	0.016	61.568	TRUE	1.72E-14
FEV1FVC	LGALS8	cg05338187	rs12127905	G	A	0.221	0.039	0.099	1.27E-08	0.007	0.004	0.091	0.009	32.367	TRUE	3.99E-08
FEV1FVC	LGALS8	cg05338187	rs12135604	C	A	0.603	0.025	0.293	1.47E-125	0.005	0.003	0.058	0.133	567.769	TRUE	1.09E-116
FEV1FVC	LGALS8	cg05338187	rs12136869	A	G	0.355	0.064	0.070	2.62E-08	0.003	0.005	0.635	0.008	30.955	TRUE	4.16E-08
FEV1FVC	LGALS8	cg05338187	rs61135021	C	G	0.222	0.027	0.257	6.99E-17	0.004	0.003	0.114	0.018	69.637	TRUE	4.39E-16
FEV1FVC	LGALS8	cg05338187	rs707217	G	A	0.142	0.025	0.327	1.29E-08	0.000	0.003	0.953	0.009	32.335	TRUE	1.66E-08
FEV1FVC	LGALS8	cg05338187	rs76913714	C	G	0.547	0.075	0.026	3.76E-13	0.010	0.008	0.189	0.014	52.738	TRUE	1.40E-12
FEV1FVC	LGALS8	cg06118122	rs2758168	C	T	-0.182	0.026	0.284	2.53E-12	0.006	0.003	0.026	0.013	48.997	TRUE	1.60E-11

FEV1FVC	LGALS8	cg06118122	rs74363289	T	C	0.365	0.057	0.043	1.68E-10	-0.003	0.006	0.654	0.011	40.787	TRUE	2.96E-10
FEV1FVC	LGALS8	cg07913153	rs12404538	C	T	0.233	0.026	0.285	2.20E-19	0.003	0.003	0.301	0.021	81.009	TRUE	1.05E-18
FEV1FVC	LGALS8	cg08137948	rs10754578	A	G	0.363	0.051	0.048	7.33E-13	-0.003	0.006	0.651	0.014	51.427	TRUE	1.47E-12
FEV1FVC	LGALS8	cg08137948	rs2564741	G	A	0.389	0.024	0.373	8.29E-61	0.005	0.003	0.059	0.068	270.480	TRUE	1.37E-57
FEV1FVC	LGALS8	cg08137948	rs6688531	T	C	0.262	0.040	0.095	3.73E-11	0.001	0.004	0.781	0.012	43.728	TRUE	6.03E-11
FEV1FVC	LGALS8	cg08169200	rs2385494	C	T	0.178	0.030	0.190	3.56E-09	0.003	0.003	0.369	0.009	34.830	TRUE	7.41E-09
FEV1FVC	LGALS8	cg08169200	rs4612616	G	C	0.393	0.071	0.026	3.71E-08	0.008	0.007	0.304	0.008	30.277	TRUE	7.90E-08
FEV1FVC	LGALS8	cg08169200	rs766124	A	C	0.359	0.024	0.357	1.96E-50	0.005	0.003	0.070	0.057	222.926	TRUE	6.88E-48
FEV1FVC	LGALS8	cg09334514	rs10754578	A	G	0.335	0.051	0.048	3.68E-11	-0.003	0.006	0.651	0.012	43.755	TRUE	6.70E-11
FEV1FVC	LGALS8	cg09334514	rs2853624	T	G	0.369	0.026	0.297	2.20E-47	0.005	0.003	0.058	0.053	208.952	TRUE	5.75E-45
FEV1FVC	LGALS8	cg09334514	rs6684467	G	C	0.234	0.037	0.111	2.92E-10	0.007	0.004	0.089	0.011	39.703	TRUE	1.09E-09
FEV1FVC	LGALS8	cg13444964	rs140705131	A	G	0.566	0.083	0.014	1.03E-11	-0.008	0.009	0.411	0.012	46.249	TRUE	2.45E-11
FEV1FVC	LGALS8	cg14252149	rs10925158	A	G	0.351	0.053	0.101	4.48E-11	0.005	0.004	0.188	0.012	43.370	TRUE	1.42E-10
FEV1FVC	LGALS8	cg14252149	rs10925179	C	T	0.582	0.033	0.141	2.58E-70	0.004	0.004	0.211	0.078	314.085	TRUE	6.59E-67
FEV1FVC	LGALS8	cg14252149	rs10925200	T	G	0.242	0.035	0.141	5.41E-12	0.002	0.004	0.508	0.013	47.508	TRUE	1.19E-11
FEV1FVC	LGALS8	cg14252149	rs10925210	A	T	0.361	0.024	0.354	3.79E-51	0.003	0.003	0.285	0.058	226.194	TRUE	5.03E-49
FEV1FVC	LGALS8	cg14252149	rs113500777	T	A	0.838	0.071	0.031	2.01E-32	0.002	0.008	0.781	0.037	140.484	TRUE	1.32E-31
FEV1FVC	LGALS8	cg14252149	rs115660621	T	C	-0.489	0.064	0.066	1.66E-14	-0.003	0.005	0.564	0.016	58.863	TRUE	4.03E-14
FEV1FVC	LGALS8	cg14252149	rs12069618	A	G	0.285	0.049	0.061	5.32E-09	0.002	0.005	0.629	0.009	34.049	TRUE	8.83E-09
FEV1FVC	LGALS8	cg14252149	rs1252108	A	G	-0.169	0.024	0.444	1.58E-12	-0.003	0.002	0.272	0.013	49.916	TRUE	4.77E-12
FEV1FVC	LGALS8	cg14252149	rs144672563	A	G	0.541	0.067	0.060	9.92E-16	-0.001	0.005	0.904	0.017	64.411	TRUE	1.81E-15
FEV1FVC	LGALS8	cg14252149	rs1652228	C	T	0.782	0.034	0.129	4.56E-116	-0.001	0.004	0.860	0.124	524.167	TRUE	8.24E-110
FEV1FVC	LGALS8	cg14252149	rs2712828	T	C	0.219	0.033	0.158	3.97E-11	0.009	0.003	0.010	0.012	43.605	TRUE	2.76E-10
FEV1FVC	LGALS8	cg14252149	rs35311500	G	C	0.502	0.050	0.057	2.45E-23	0.002	0.005	0.738	0.026	99.006	TRUE	8.51E-23
FEV1FVC	LGALS8	cg14252149	rs630101	G	A	0.905	0.025	0.213	5.68E-294	0.005	0.003	0.092	0.266	1342.066	TRUE	3.43E-259
FEV1FVC	LGALS8	cg14252149	rs72760210	T	C	0.657	0.084	0.022	5.68E-15	0.018	0.008	0.033	0.016	60.975	TRUE	4.51E-14
FEV1FVC	LGALS8	cg14252149	rs73113054	T	C	0.960	0.143	0.011	1.95E-11	-0.012	0.013	0.380	0.012	44.991	TRUE	4.74E-11
FEV1FVC	LGALS8	cg14252149	rs76913714	C	G	0.945	0.075	0.026	1.27E-36	0.010	0.008	0.189	0.041	159.684	TRUE	4.23E-35
FEV1FVC	LGALS8	cg14252149	rs78605459	A	G	-0.283	0.032	0.147	4.78E-19	-0.007	0.003	0.036	0.021	79.474	TRUE	5.58E-18
FEV1FVC	LGALS8	cg14252149	rs79149380	T	G	0.431	0.070	0.051	8.83E-10	0.009	0.005	0.093	0.010	37.547	TRUE	3.06E-09
FEV1FVC	LGALS8	cg14252149	rs819434	T	G	1.120	0.020	0.248	<1E-200	0.004	0.003	0.135	0.459	3133.537	TRUE	<1E-200
FEV1FVC	LGALS8	cg18322510	rs116216640	T	C	0.445	0.070	0.030	2.62E-10	0.008	0.007	0.253	0.011	39.921	TRUE	6.91E-10
FEV1FVC	LGALS8	cg18322510	rs12135604	C	A	0.604	0.025	0.293	1.27E-125	0.005	0.003	0.058	0.133	568.070	TRUE	9.54E-117
FEV1FVC	LGALS8	cg18322510	rs12136869	A	G	0.351	0.064	0.070	3.72E-08	0.003	0.005	0.635	0.008	30.272	TRUE	5.88E-08
FEV1FVC	LGALS8	cg18322510	rs488306	T	C	0.253	0.040	0.096	1.86E-10	0.005	0.004	0.228	0.011	40.587	TRUE	5.22E-10
FEV1FVC	LGALS8	cg18322510	rs61135021	C	G	0.219	0.027	0.257	2.18E-16	0.004	0.003	0.114	0.018	67.399	TRUE	1.31E-15
FEV1FVC	LGALS8	cg18322510	rs707217	G	A	0.136	0.025	0.327	4.97E-08	0.000	0.003	0.953	0.008	29.712	TRUE	6.28E-08
FEV1FVC	LGALS8	cg18322510	rs73124727	A	G	0.377	0.045	0.076	3.24E-17	0.006	0.005	0.213	0.019	71.152	TRUE	1.60E-16
FEV1FVC	LGALS8	cg22596738	rs2758991	T	A	0.182	0.027	0.254	1.18E-11	0.005	0.003	0.061	0.012	45.977	TRUE	5.62E-11
FEV1FVC	LGALS9	cg06852032	rs11080242	C	G	-0.211	0.028	0.240	2.15E-14	0.007	0.003	0.009	0.016	58.355	TRUE	2.18E-13
FEV1FVC	LIPT1	cg06240854	rs13009147	T	G	-0.174	0.025	0.347	1.60E-12	0.010	0.003	1.16E-04	0.013	49.891	TRUE	3.07E-11
FEV1FVC	LIPT1	cg14399236	rs10166721	T	C	-0.529	0.051	0.046	2.02E-25	-0.009	0.005	0.091	0.028	108.507	TRUE	3.11E-24

FEV1FVC	LIPT1	cg14399236	rs10179116	A	G	0.259	0.025	0.330	2.30E-25	-0.005	0.003	0.036	0.028	108.247	TRUE	5.40E-24
FEV1FVC	LIPT1	cg14399236	rs11899659	G	A	-0.243	0.024	0.404	3.07E-24	0.008	0.002	6.74E-04	0.027	103.118	TRUE	2.26E-22
FEV1FVC	LIPT1	cg14399236	rs144635879	A	G	-0.818	0.122	0.011	2.12E-11	0.005	0.012	0.682	0.012	44.829	TRUE	3.80E-11
FEV1FVC	LIPT1	cg14399236	rs1607255	A	C	0.331	0.041	0.183	5.27E-16	-0.004	0.003	0.178	0.017	65.656	TRUE	2.55E-15
FEV1FVC	LIPT1	cg14399236	rs184478869	A	G	-0.693	0.055	0.043	1.93E-36	0.007	0.006	0.279	0.041	158.854	TRUE	4.72E-35
FEV1FVC	LIPT1	cg14399236	rs35602593	C	T	-0.238	0.026	0.310	2.93E-20	0.003	0.003	0.332	0.022	84.990	TRUE	1.45E-19
FEV1FVC	LIPT1	cg14399236	rs4419269	A	G	0.421	0.028	0.211	1.60E-50	0.000	0.003	0.912	0.057	223.333	TRUE	4.93E-49
FEV1FVC	LIPT1	cg14399236	rs62157993	A	G	0.318	0.048	0.063	4.63E-11	0.004	0.005	0.457	0.012	43.304	TRUE	1.00E-10
FEV1FVC	LIPT1	cg14399236	rs6542771	T	C	0.226	0.029	0.195	3.92E-15	-0.003	0.003	0.392	0.016	61.704	TRUE	1.22E-14
FEV1FVC	LIPT1	cg14399236	rs6743554	C	T	-0.208	0.024	0.367	1.50E-17	0.003	0.003	0.261	0.019	72.677	TRUE	6.82E-17
FEV1FVC	LIPT1	cg14399236	rs720229	T	C	-0.882	0.020	0.373	<1E-200	0.010	0.003	3.47E-05	0.333	1849.064	TRUE	<1E-200
FEV1FVC	LIPT1	cg14399236	rs72817073	C	T	0.201	0.034	0.138	3.01E-09	-0.006	0.004	0.069	0.009	35.159	TRUE	1.08E-08
FEV1FVC	LIPT1	cg14399236	rs78573944	C	G	0.352	0.034	0.134	1.10E-24	-0.012	0.004	7.98E-04	0.028	105.152	TRUE	7.50E-23
FEV1FVC	LIPT1	cg14399236	rs79141836	G	T	-0.661	0.056	0.047	3.04E-32	0.021	0.005	4.35E-05	0.036	139.663	TRUE	1.32E-29
FEV1FVC	LIPT1	cg14399236	rs9678513	G	A	-0.591	0.068	0.032	4.38E-18	0.006	0.007	0.423	0.020	75.100	TRUE	1.60E-17
FEV1FVC	LIPT1	cg22616506	rs6753650	A	G	-0.132	0.024	0.363	4.42E-08	0.009	0.003	1.66E-04	0.008	29.938	TRUE	3.73E-07
FEV1FVC	LIPT1	cg26064155	rs10166721	T	C	-0.592	0.051	0.046	1.35E-31	-0.009	0.005	0.091	0.036	136.705	TRUE	3.94E-30
FEV1FVC	LIPT1	cg26064155	rs10179116	A	G	0.309	0.025	0.330	1.16E-35	-0.005	0.003	0.036	0.040	155.290	TRUE	8.84E-34
FEV1FVC	LIPT1	cg26064155	rs114841490	G	A	-0.299	0.052	0.056	6.90E-09	0.014	0.005	0.007	0.009	33.545	TRUE	3.87E-08
FEV1FVC	LIPT1	cg26064155	rs12995308	C	G	0.355	0.042	0.082	2.05E-17	0.004	0.004	0.381	0.019	72.053	TRUE	7.51E-17
FEV1FVC	LIPT1	cg26064155	rs144635879	A	G	-0.794	0.122	0.011	8.12E-11	0.005	0.012	0.682	0.011	42.206	TRUE	1.41E-10
FEV1FVC	LIPT1	cg26064155	rs1451247	A	T	-0.292	0.037	0.114	1.90E-15	0.014	0.004	2.65E-04	0.017	63.134	TRUE	4.92E-14
FEV1FVC	LIPT1	cg26064155	rs35254630	A	C	0.360	0.057	0.073	3.32E-10	-0.009	0.004	0.033	0.011	39.455	TRUE	1.58E-09
FEV1FVC	LIPT1	cg26064155	rs35602593	C	T	-0.293	0.026	0.310	4.54E-30	0.003	0.003	0.332	0.034	129.728	TRUE	5.18E-29
FEV1FVC	LIPT1	cg26064155	rs3769714	C	G	0.170	0.028	0.226	1.38E-09	0.003	0.003	0.262	0.010	36.672	TRUE	3.39E-09
FEV1FVC	LIPT1	cg26064155	rs4281955	G	A	-0.650	0.116	0.023	2.06E-08	0.017	0.008	0.025	0.008	31.417	TRUE	8.48E-08
FEV1FVC	LIPT1	cg26064155	rs4419269	A	G	0.440	0.028	0.211	2.40E-55	0.000	0.003	0.912	0.062	245.436	TRUE	1.30E-53
FEV1FVC	LIPT1	cg26064155	rs62158007	A	G	0.309	0.048	0.064	1.26E-10	0.003	0.005	0.501	0.011	41.348	TRUE	2.57E-10
FEV1FVC	LIPT1	cg26064155	rs6542805	A	G	0.209	0.029	0.196	3.65E-13	-0.003	0.003	0.294	0.014	52.796	TRUE	1.11E-12
FEV1FVC	LIPT1	cg26064155	rs6719505	A	G	0.196	0.034	0.151	7.02E-09	0.003	0.003	0.377	0.009	33.512	TRUE	1.44E-08
FEV1FVC	LIPT1	cg26064155	rs6743554	C	T	-0.208	0.024	0.367	1.41E-17	0.003	0.003	0.261	0.019	72.791	TRUE	6.45E-17
FEV1FVC	LIPT1	cg26064155	rs6756691	A	T	-0.269	0.024	0.398	2.29E-29	0.009	0.002	2.11E-04	0.033	126.518	TRUE	4.61E-27
FEV1FVC	LIPT1	cg26064155	rs720229	T	C	-0.902	0.019	0.373	<1E-200	0.010	0.003	3.47E-05	0.371	2185.876	TRUE	<1E-200
FEV1FVC	LIPT1	cg26064155	rs72817034	C	T	-0.155	0.024	0.415	5.29E-11	-0.007	0.002	0.003	0.012	43.042	TRUE	4.55E-10
FEV1FVC	LIPT1	cg26064155	rs75105166	T	G	0.404	0.067	0.036	1.71E-09	0.005	0.008	0.512	0.010	36.254	TRUE	3.22E-09
FEV1FVC	LIPT1	cg26064155	rs75560285	G	C	-0.632	0.054	0.045	8.07E-32	0.008	0.006	0.168	0.036	137.724	TRUE	1.72E-30
FEV1FVC	LIPT1	cg26064155	rs78573944	C	G	0.419	0.034	0.134	2.14E-34	-0.012	0.004	7.98E-04	0.039	149.504	TRUE	5.46E-32
FEV1FVC	LIPT1	cg26064155	rs9678513	G	A	-0.552	0.068	0.032	6.03E-16	0.006	0.007	0.423	0.017	65.393	TRUE	1.89E-15
FEV1FVC	LOC100132724	cg19949776	rs11632323	T	A	0.495	0.031	0.175	2.80E-59	0.006	0.003	0.075	0.066	263.468	TRUE	3.30E-56
FEV1FVC	LOC100132724	cg19949776	rs118136423	T	C	0.624	0.065	0.042	6.68E-22	-0.001	0.006	0.897	0.024	92.466	TRUE	1.76E-21
FEV1FVC	LOC100132724	cg19949776	rs11857513	A	G	-0.445	0.071	0.026	3.36E-10	-0.003	0.007	0.670	0.011	39.435	TRUE	5.73E-10
FEV1FVC	LOC100132724	cg19949776	rs12905736	A	G	-0.170	0.026	0.271	6.62E-11	-0.012	0.003	2.43E-05	0.011	42.604	TRUE	1.23E-09

FEV1FVC	LOC100132724	cg19949776	rs146676154	C	T	-0.558	0.068	0.029	1.62E-16	-0.007	0.007	0.333	0.018	67.982	TRUE	6.05E-16
FEV1FVC	LOC100132724	cg19949776	rs149451788	C	T	0.571	0.057	0.045	1.29E-23	0.006	0.006	0.316	0.026	100.282	TRUE	8.79E-23
FEV1FVC	LOC100132724	cg19949776	rs150018499	A	T	0.600	0.096	0.015	4.73E-10	0.004	0.010	0.700	0.010	38.764	TRUE	7.81E-10
FEV1FVC	LOC100132724	cg19949776	rs150420855	A	G	-0.594	0.099	0.015	2.11E-09	0.013	0.010	0.213	0.010	35.852	TRUE	5.50E-09
FEV1FVC	LOC100132724	cg19949776	rs16964178	C	G	-0.554	0.029	0.192	5.52E-82	0.002	0.003	0.482	0.090	367.645	TRUE	3.83E-78
FEV1FVC	LOC100132724	cg19949776	rs17599663	C	G	-0.623	0.065	0.030	5.06E-22	0.018	0.006	0.005	0.025	93.015	TRUE	1.54E-20
FEV1FVC	LOC100132724	cg19949776	rs17600375	T	C	0.673	0.031	0.162	3.91E-107	-0.002	0.003	0.500	0.116	483.129	TRUE	2.93E-101
FEV1FVC	LOC100132724	cg19949776	rs17601241	A	G	0.463	0.040	0.089	9.66E-31	0.000	0.004	0.986	0.035	132.796	TRUE	4.21E-30
FEV1FVC	LOC100132724	cg19949776	rs2124872	A	G	-0.176	0.030	0.184	4.12E-09	-0.006	0.003	0.073	0.009	34.547	TRUE	1.42E-08
FEV1FVC	LOC100132724	cg19949776	rs2445750	T	C	-0.249	0.026	0.298	7.69E-22	-0.002	0.003	0.402	0.024	92.186	TRUE	3.88E-21
FEV1FVC	LOC100132724	cg19949776	rs34917130	C	T	0.283	0.036	0.124	3.62E-15	0.000	0.004	0.901	0.016	61.861	TRUE	6.40E-15
FEV1FVC	LOC100132724	cg19949776	rs3751591	G	A	0.240	0.044	0.156	4.22E-08	0.009	0.003	0.007	0.008	30.031	TRUE	2.14E-07
FEV1FVC	LOC100132724	cg19949776	rs55946545	C	T	0.411	0.050	0.060	3.44E-16	0.004	0.005	0.505	0.018	66.500	TRUE	9.83E-16
FEV1FVC	LOC100132724	cg19949776	rs60695341	T	C	-0.640	0.027	0.204	5.32E-120	-0.018	0.003	1.17E-09	0.128	542.234	TRUE	6.15E-108
FEV1FVC	LOC100132724	cg19949776	rs71471588	T	C	-0.780	0.134	0.020	6.26E-09	-0.008	0.009	0.369	0.009	33.735	TRUE	1.29E-08
FEV1FVC	LOC100132724	cg19949776	rs72727118	T	A	-0.743	0.075	0.024	7.12E-23	-0.005	0.007	0.474	0.026	96.895	TRUE	3.48E-22
FEV1FVC	LOC100132724	cg19949776	rs72727133	T	C	0.611	0.036	0.112	4.09E-63	0.001	0.004	0.783	0.071	281.060	TRUE	7.67E-61
FEV1FVC	LOC100132724	cg19949776	rs72729238	C	T	-0.775	0.132	0.020	4.21E-09	-0.014	0.007	0.049	0.009	34.507	TRUE	1.60E-08
FEV1FVC	LOC100132724	cg19949776	rs74446953	G	A	-0.174	0.029	0.193	2.19E-09	0.001	0.003	0.761	0.010	35.779	TRUE	3.34E-09
FEV1FVC	LOC100132724	cg19949776	rs74804171	T	C	0.426	0.070	0.027	1.40E-09	0.022	0.007	0.003	0.010	36.654	TRUE	1.01E-08
FEV1FVC	LOC100132724	cg19949776	rs76181975	G	A	0.591	0.057	0.049	1.32E-25	0.006	0.006	0.318	0.029	109.358	TRUE	1.05E-24
FEV1FVC	LOC100132724	cg19949776	rs76264726	A	G	-0.386	0.064	0.031	1.98E-09	-0.008	0.007	0.229	0.010	35.972	TRUE	5.07E-09
FEV1FVC	LOC100132724	cg19949776	rs78196407	G	T	-0.580	0.052	0.058	1.21E-28	0.013	0.005	0.012	0.032	123.214	TRUE	6.11E-27
FEV1FVC	LOC100132724	cg19949776	rs78376852	G	A	0.305	0.032	0.148	2.23E-21	0.001	0.003	0.795	0.024	90.085	TRUE	6.27E-21
FEV1FVC	LOC100132724	cg19949776	rs78983779	T	A	-0.433	0.053	0.052	2.76E-16	-0.009	0.005	0.085	0.018	66.934	TRUE	1.83E-15
FEV1FVC	LOC100132724	cg19949776	rs79260774	T	A	0.324	0.058	0.038	2.26E-08	0.005	0.006	0.334	0.008	31.239	TRUE	4.69E-08
FEV1FVC	LOC100132724	cg19949776	rs79469565	T	C	-0.368	0.050	0.105	2.29E-13	0.005	0.004	0.203	0.014	53.707	TRUE	8.41E-13
FEV1FVC	LOC100132724	cg19949776	rs8025206	C	T	-0.436	0.024	0.386	1.21E-76	-0.003	0.009	0.727	0.085	343.136	TRUE	1.89E-73
FEV1FVC	LOC100132724	cg19949776	rs8027182	T	C	-0.895	0.018	0.457	<1E-200	-0.009	0.002	2.54E-04	0.393	2395.089	TRUE	<1E-200
FEV1FVC	LOC100132724	cg19949776	rs854160	T	C	0.166	0.024	0.428	4.62E-12	0.001	0.002	0.765	0.013	47.816	TRUE	7.94E-12
FEV1FVC	LOC100132724	cg19949776	rs882299	G	A	-0.682	0.050	0.059	3.62E-43	0.001	0.005	0.910	0.049	189.641	TRUE	5.26E-42
FEV1FVC	LOC100132724	cg19949776	rs9972359	C	T	-0.343	0.024	0.417	1.97E-47	-0.007	0.002	0.002	0.054	209.172	TRUE	2.48E-44
FEV1FVC	LTBR	cg04911821	rs10849484	T	C	0.206	0.027	0.262	8.30E-15	0.001	0.003	0.672	0.016	60.231	TRUE	1.80E-14
FEV1FVC	LTBR	cg04911821	rs2286600	G	A	0.194	0.033	0.437	2.51E-09	0.003	0.002	0.272	0.010	35.512	TRUE	6.10E-09
FEV1FVC	LTBR	cg04911821	rs28999107	T	G	0.550	0.023	0.431	1.17E-128	0.005	0.002	0.029	0.136	582.006	TRUE	3.55E-119
FEV1FVC	LTBR	cg15784615	rs11611855	T	C	0.167	0.024	0.418	3.01E-12	0.006	0.002	0.014	0.013	48.656	TRUE	2.26E-11
FEV1FVC	LTBR	cg19476647	rs4301834	G	A	-0.297	0.026	0.281	2.83E-30	-0.010	0.003	1.56E-04	0.034	130.662	TRUE	6.70E-28
FEV1FVC	LTBR	cg23079808	rs2071244	C	G	0.219	0.037	0.247	3.32E-09	-0.001	0.003	0.792	0.009	34.968	TRUE	4.85E-09
FEV1FVC	LTBR	cg23079808	rs9669611	T	C	-0.453	0.025	0.292	1.37E-71	-0.010	0.003	3.71E-04	0.080	319.943	TRUE	1.93E-66
FEV1FVC	LTBR	cg24621362	rs4301834	G	A	-0.341	0.026	0.281	9.39E-40	-0.010	0.003	1.56E-04	0.045	174.011	TRUE	9.05E-37
FEV1FVC	LTBR	cg25894255	rs12425441	A	G	-0.145	0.026	0.284	1.56E-08	-0.010	0.003	2.91E-04	0.009	31.964	TRUE	1.38E-07
FEV1FVC	LTBR	cg26306994	rs4020660	A	G	0.221	0.024	0.497	1.47E-20	0.006	0.002	0.012	0.023	86.348	TRUE	2.98E-19

FEV1FVC	LYN	cg02410887	rs12155650	T	C	0.274	0.038	0.127	8.66E-13	-0.004	0.004	0.223	0.014	51.099	TRUE	2.88E-12
FEV1FVC	LYN	cg02410887	rs7828483	C	G	0.352	0.030	0.231	1.27E-31	0.001	0.003	0.718	0.036	136.827	TRUE	8.56E-31
FEV1FVC	LYN	cg02508743	rs118002299	T	C	-0.629	0.094	0.018	2.45E-11	-0.023	0.009	0.009	0.012	44.550	TRUE	1.78E-10
FEV1FVC	LYN	cg02508743	rs16922425	C	T	-0.172	0.026	0.491	1.78E-11	-0.005	0.002	0.028	0.012	45.177	TRUE	1.01E-10
FEV1FVC	LYN	cg02508743	rs28595219	T	C	-0.193	0.029	0.252	1.77E-11	-0.004	0.003	0.170	0.012	45.183	TRUE	5.93E-11
FEV1FVC	LYN	cg02508743	rs9650314	A	G	-0.611	0.032	0.183	1.54E-83	0.002	0.003	0.480	0.092	374.776	TRUE	1.40E-79
FEV1FVC	LYN	cg03973663	rs2667976	A	C	0.301	0.030	0.229	1.86E-23	0.001	0.003	0.796	0.026	99.548	TRUE	6.07E-23
FEV1FVC	LYN	cg03973663	rs556194714	C	T	0.375	0.066	0.038	1.70E-08	-0.004	0.006	0.552	0.009	31.793	TRUE	2.92E-08
FEV1FVC	LYN	cg04132540	rs77035567	T	C	-0.443	0.061	0.045	6.08E-13	-0.005	0.006	0.429	0.014	51.791	TRUE	1.55E-12
FEV1FVC	LYN	cg05997362	rs2667971	C	T	0.251	0.030	0.231	9.66E-17	0.001	0.003	0.720	0.018	69.001	TRUE	2.25E-16
FEV1FVC	LYN	cg06818377	rs13249338	A	G	-0.147	0.026	0.406	1.39E-08	0.006	0.003	0.021	0.009	32.181	TRUE	5.97E-08
FEV1FVC	LYN	cg06818377	rs1470708	G	A	-0.159	0.026	0.387	9.71E-10	0.002	0.003	0.403	0.010	37.361	TRUE	2.06E-09
FEV1FVC	LYN	cg06818377	rs72651454	G	A	0.509	0.033	0.166	3.90E-53	-0.007	0.003	0.032	0.060	235.306	TRUE	3.01E-50
FEV1FVC	LYN	cg06818377	rs72653977	G	A	0.423	0.065	0.039	1.03E-10	0.003	0.006	0.662	0.011	41.744	TRUE	1.80E-10
FEV1FVC	LYN	cg06880721	rs13262073	C	G	0.270	0.027	0.330	2.29E-23	0.004	0.003	0.091	0.026	99.144	TRUE	2.89E-22
FEV1FVC	LYN	cg06880721	rs139862376	G	C	0.330	0.056	0.055	4.03E-09	0.001	0.005	0.831	0.009	34.591	TRUE	5.72E-09
FEV1FVC	LYN	cg06880721	rs6994646	C	T	-0.265	0.045	0.086	3.65E-09	0.003	0.004	0.456	0.009	34.782	TRUE	7.04E-09
FEV1FVC	LYN	cg06880721	rs72651467	G	T	0.201	0.035	0.158	7.82E-09	-0.001	0.003	0.700	0.009	33.301	TRUE	1.22E-08
FEV1FVC	LYN	cg08894788	rs12679916	T	C	-0.212	0.025	0.412	9.32E-17	-0.007	0.002	0.006	0.018	69.072	TRUE	1.48E-15
FEV1FVC	LYN	cg08894788	rs2271400	C	T	0.395	0.027	0.336	8.72E-50	0.007	0.003	0.011	0.056	219.953	TRUE	7.01E-47
FEV1FVC	LYN	cg11982546	rs7829003	G	C	0.248	0.033	0.176	6.65E-14	-0.001	0.003	0.772	0.015	56.138	TRUE	1.26E-13
FEV1FVC	LYN	cg17806401	rs113732653	C	A	0.398	0.064	0.042	3.52E-10	-0.003	0.006	0.690	0.011	39.341	TRUE	5.91E-10
FEV1FVC	LYN	cg17806401	rs17812677	A	T	0.264	0.030	0.225	2.88E-18	0.002	0.003	0.518	0.020	75.928	TRUE	9.36E-18
FEV1FVC	LYN	cg21301224	rs17812677	A	T	0.188	0.030	0.225	6.75E-10	0.002	0.003	0.518	0.010	38.070	TRUE	1.29E-09
FEV1FVC	LYN	cg24856456	rs9693980	A	G	-0.169	0.030	0.250	1.23E-08	0.001	0.003	0.692	0.009	32.420	TRUE	1.91E-08
FEV1FVC	LYN	cg27004182	rs1546519	G	A	0.162	0.028	0.277	8.12E-09	0.003	0.003	0.245	0.009	33.229	TRUE	1.92E-08
FEV1FVC	LZTS1	cg01815167	rs2645386	T	C	-0.257	0.026	0.374	1.01E-22	0.000	0.003	0.894	0.025	96.208	TRUE	2.76E-22
FEV1FVC	LZTS1	cg01815167	rs9657481	A	G	0.181	0.033	0.194	2.59E-08	0.010	0.003	5.83E-04	0.008	30.974	TRUE	2.00E-07
FEV1FVC	LZTS1	cg02245467	rs11204106	A	C	0.159	0.026	0.360	1.37E-09	-0.001	0.003	0.583	0.010	36.689	TRUE	2.45E-09
FEV1FVC	LZTS1	cg05796178	rs2645386	T	C	-0.194	0.026	0.374	1.57E-13	0.000	0.003	0.894	0.015	54.445	TRUE	2.58E-13
FEV1FVC	LZTS1	cg07269491	rs2645384	A	G	-0.152	0.026	0.391	5.85E-09	-0.001	0.002	0.740	0.009	33.866	TRUE	8.86E-09
FEV1FVC	LZTS1	cg13583414	rs4921697	T	C	0.203	0.026	0.418	1.68E-15	-0.006	0.002	0.013	0.017	63.369	TRUE	1.84E-14
FEV1FVC	LZTS1	cg14301348	rs10086005	T	G	-0.251	0.033	0.191	1.21E-14	0.012	0.003	1.43E-04	0.016	59.495	TRUE	3.18E-13
FEV1FVC	LZTS1	cg14301348	rs13259502	T	A	0.175	0.030	0.246	3.49E-09	-0.001	0.003	0.757	0.009	34.873	TRUE	5.22E-09
FEV1FVC	LZTS1	cg14301348	rs2645384	A	G	0.248	0.026	0.391	1.09E-21	-0.001	0.002	0.740	0.024	91.488	TRUE	3.42E-21
FEV1FVC	LZTS1	cg17327115	rs187331140	T	A	1.439	0.143	0.016	5.52E-24	0.015	0.012	0.205	0.027	101.955	TRUE	4.95E-23
FEV1FVC	LZTS1	cg17327115	rs74598723	A	G	0.940	0.095	0.016	6.57E-23	0.004	0.009	0.678	0.026	97.053	TRUE	2.40E-22
FEV1FVC	MAEL	cg00001349	rs17551703	C	T	-0.169	0.027	0.255	3.29E-10	0.006	0.003	0.024	0.011	39.475	TRUE	1.72E-09
FEV1FVC	MAMSTR	cg10404009	rs629504	C	G	0.233	0.024	0.389	2.79E-22	0.008	0.002	5.76E-04	0.025	94.191	TRUE	1.57E-20
FEV1FVC	MAMSTR	cg18886062	rs2287921	T	C	0.171	0.023	0.460	2.71E-13	0.010	0.002	2.14E-05	0.014	53.377	TRUE	7.31E-12
FEV1FVC	MAP1LC3B	cg04892447	rs889603	G	C	0.144	0.024	0.400	1.43E-09	-0.008	0.002	0.002	0.010	36.607	TRUE	1.11E-08
FEV1FVC	MAP1LC3B	cg05038209	rs76910945	G	A	-0.603	0.067	0.026	3.92E-19	0.002	0.007	0.788	0.021	79.868	TRUE	9.80E-19

FEV1FVC	MAP1LC3B	cg09211521	rs111469125	G	A	0.448	0.055	0.050	4.83E-16	-0.001	0.006	0.819	0.017	65.828	TRUE	9.82E-16
FEV1FVC	MAP1LC3B	cg09211521	rs112154959	T	C	1.049	0.137	0.016	1.81E-14	0.001	0.010	0.944	0.016	58.698	TRUE	2.99E-14
FEV1FVC	MAP1LC3B	cg23636419	rs750957	A	G	-0.140	0.024	0.422	2.89E-09	-0.008	0.002	8.15E-04	0.009	35.239	TRUE	2.46E-08
FEV1FVC	MAP1LC3B	cg26856583	rs148649561	A	C	-1.072	0.093	0.015	5.80E-31	-0.015	0.009	0.112	0.035	133.809	TRUE	1.43E-29
FEV1FVC	MAPK7	cg13832201	rs7501702	G	A	-0.209	0.029	0.214	5.05E-13	0.008	0.003	0.005	0.014	52.156	TRUE	5.18E-12
FEV1FVC	MAPK9	cg00262681	rs11249685	A	G	-0.230	0.038	0.116	9.27E-10	-0.002	0.004	0.517	0.010	37.453	TRUE	1.76E-09
FEV1FVC	MAPK9	cg00262681	rs114321626	G	A	-0.670	0.101	0.026	3.52E-11	0.001	0.007	0.882	0.012	43.842	TRUE	5.29E-11
FEV1FVC	MAPK9	cg00262681	rs11739624	T	C	0.847	0.020	0.401	<1E-200	-0.001	0.002	0.576	0.325	1784.708	TRUE	<1E-200
FEV1FVC	MAPK9	cg00262681	rs11741142	C	T	-0.196	0.028	0.222	2.57E-12	0.001	0.003	0.669	0.013	48.966	TRUE	4.92E-12
FEV1FVC	MAPK9	cg00262681	rs11745042	T	C	-0.361	0.060	0.038	1.39E-09	0.003	0.006	0.612	0.010	36.664	TRUE	2.39E-09
FEV1FVC	MAPK9	cg00262681	rs11749727	C	T	0.157	0.024	0.388	7.04E-11	0.012	0.003	1.84E-06	0.011	42.484	TRUE	1.75E-09
FEV1FVC	MAPK9	cg00262681	rs12522221	G	A	0.412	0.041	0.089	2.88E-24	-0.007	0.004	0.094	0.027	103.247	TRUE	3.85E-23
FEV1FVC	MAPK9	cg00262681	rs141292449	A	C	0.768	0.093	0.015	1.56E-16	0.014	0.010	0.182	0.018	68.056	TRUE	7.81E-16
FEV1FVC	MAPK9	cg00262681	rs147810650	T	C	0.826	0.090	0.037	3.12E-20	0.004	0.007	0.522	0.022	84.864	TRUE	1.17E-19
FEV1FVC	MAPK9	cg00262681	rs2028725	G	A	-0.275	0.032	0.159	3.63E-18	-0.009	0.003	0.007	0.020	75.471	TRUE	6.32E-17
FEV1FVC	MAPK9	cg00262681	rs2890346	C	G	-0.137	0.025	0.344	2.96E-08	0.004	0.003	0.085	0.008	30.720	TRUE	9.08E-08
FEV1FVC	MAPK9	cg00262681	rs34351120	C	T	0.516	0.033	0.153	1.05E-56	0.008	0.003	0.012	0.064	251.669	TRUE	2.53E-53
FEV1FVC	MAPK9	cg00262681	rs55880280	T	C	0.208	0.036	0.280	9.08E-09	-0.001	0.003	0.741	0.009	33.010	TRUE	1.36E-08
FEV1FVC	MAPK9	cg00262681	rs6896347	A	G	0.382	0.043	0.079	1.01E-18	0.000	0.005	0.949	0.021	77.996	TRUE	2.08E-18
FEV1FVC	MAPK9	cg00262681	rs76583740	T	C	-0.682	0.068	0.036	7.71E-24	-0.007	0.007	0.330	0.027	101.296	TRUE	5.13E-23
FEV1FVC	MAPK9	cg00262681	rs7702282	A	G	-0.925	0.022	0.295	<1E-200	0.000	0.003	0.952	0.327	1797.993	TRUE	<1E-200
FEV1FVC	MAPK9	cg00262681	rs882702	T	C	0.146	0.024	0.427	1.38E-09	-0.018	0.002	6.13E-14	0.010	36.681	TRUE	1.26E-07
FEV1FVC	MAPK9	cg01192746	rs35703820	T	C	0.476	0.032	0.157	1.47E-49	-0.011	0.003	0.002	0.056	218.915	TRUE	2.79E-46
FEV1FVC	MAPK9	cg01192746	rs7719192	G	A	-0.407	0.030	0.183	7.53E-42	0.002	0.003	0.538	0.047	183.604	TRUE	1.81E-40
FEV1FVC	MAPK9	cg03605361	rs17628029	C	T	0.196	0.028	0.208	5.63E-12	0.009	0.003	0.003	0.013	47.428	TRUE	5.65E-11
FEV1FVC	MAPK9	cg19810457	rs111531999	A	G	-0.349	0.048	0.072	2.36E-13	0.001	0.005	0.827	0.014	53.655	TRUE	4.13E-13
FEV1FVC	MAPK9	cg19810457	rs112412514	A	G	-0.502	0.077	0.026	8.81E-11	0.004	0.008	0.583	0.011	42.048	TRUE	1.67E-10
FEV1FVC	MAPK9	cg19810457	rs113469619	T	C	-0.655	0.090	0.017	2.93E-13	0.012	0.009	0.193	0.014	53.223	TRUE	1.09E-12
FEV1FVC	MAPK9	cg19810457	rs113809091	G	A	-1.211	0.130	0.020	9.47E-21	-0.003	0.010	0.795	0.023	87.223	TRUE	2.60E-20
FEV1FVC	MAPK9	cg19810457	rs185821264	C	T	-0.347	0.052	0.054	1.87E-11	0.002	0.006	0.695	0.012	45.081	TRUE	3.31E-11
FEV1FVC	MAPK9	cg19810457	rs74446612	A	G	-1.152	0.085	0.018	1.31E-41	-0.001	0.009	0.918	0.047	182.508	TRUE	1.60E-40
FEV1FVC	MCL1	cg02961109	rs4970935	C	T	0.174	0.027	0.257	1.51E-10	0.006	0.003	0.032	0.011	40.999	TRUE	7.48E-10
FEV1FVC	MCL1	cg02961109	rs4971020	T	C	0.149	0.024	0.363	7.91E-10	0.010	0.003	1.29E-04	0.010	37.762	TRUE	9.57E-09
FEV1FVC	MCL1	cg02961109	rs6587756	A	T	0.214	0.025	0.340	3.51E-18	-0.007	0.003	0.008	0.020	75.537	TRUE	5.84E-17
FEV1FVC	MCL1	cg13175981	rs10305667	T	C	-0.393	0.027	0.236	2.03E-48	0.004	0.003	0.185	0.055	213.694	TRUE	2.67E-46
FEV1FVC	MCL1	cg13175981	rs114221421	A	G	0.408	0.071	0.027	9.23E-09	0.003	0.008	0.666	0.009	32.979	TRUE	1.47E-08
FEV1FVC	MCL1	cg13175981	rs12135409	T	C	0.198	0.029	0.209	8.03E-12	0.005	0.003	0.124	0.012	46.732	TRUE	3.11E-11
FEV1FVC	MCL1	cg13175981	rs12731738	T	C	0.309	0.028	0.219	3.51E-28	-0.001	0.003	0.770	0.032	121.101	TRUE	1.65E-27
FEV1FVC	MCL1	cg13175981	rs145713490	T	C	0.368	0.042	0.086	9.26E-19	0.002	0.004	0.575	0.021	78.169	TRUE	2.90E-18
FEV1FVC	MCL1	cg13175981	rs146939323	A	G	-0.580	0.106	0.028	4.61E-08	-0.005	0.007	0.496	0.008	29.859	TRUE	8.03E-08
FEV1FVC	MCL1	cg13175981	rs200492635	G	T	-0.413	0.043	0.073	1.34E-21	0.001	0.004	0.864	0.024	91.084	TRUE	3.57E-21
FEV1FVC	MCL1	cg13175981	rs267733	G	A	0.262	0.032	0.155	4.07E-16	0.002	0.003	0.582	0.018	66.169	TRUE	1.07E-15

FEV1FVC	MCL1	cg13175981	rs3738484	G	T	-0.710	0.021	0.443	1.64E-239	-0.006	0.002	0.008	0.228	1091.608	TRUE	1.28E-213
FEV1FVC	MCL1	cg13175981	rs3754208	C	A	0.384	0.044	0.074	4.24E-18	-0.002	0.005	0.655	0.020	75.164	TRUE	1.16E-17
FEV1FVC	MCL1	cg13175981	rs41300863	G	A	-0.430	0.052	0.047	1.50E-16	-0.020	0.005	1.99E-04	0.018	68.130	TRUE	4.83E-15
FEV1FVC	MCL1	cg13175981	rs4970934	G	A	-0.184	0.027	0.257	5.76E-12	0.001	0.003	0.665	0.013	47.384	TRUE	1.09E-11
FEV1FVC	MCL1	cg13175981	rs4970944	G	A	-0.266	0.025	0.307	4.78E-27	-0.001	0.003	0.741	0.030	115.927	TRUE	2.21E-26
FEV1FVC	MCL1	cg13175981	rs60162170	A	G	0.266	0.035	0.119	3.90E-14	0.010	0.004	0.005	0.015	57.185	TRUE	4.53E-13
FEV1FVC	MCL1	cg13175981	rs72700826	T	C	-0.333	0.044	0.072	7.10E-14	-0.010	0.005	0.033	0.015	56.009	TRUE	4.98E-13
FEV1FVC	MCL1	cg13175981	rs77604525	G	T	-0.484	0.037	0.098	7.80E-40	0.004	0.004	0.301	0.045	174.379	TRUE	2.56E-38
FEV1FVC	MCL1	cg17724175	rs1045298	T	C	0.312	0.032	0.156	3.73E-22	0.004	0.003	0.220	0.025	93.616	TRUE	2.70E-21
FEV1FVC	MCL1	cg17724175	rs10788797	G	A	-0.277	0.037	0.114	6.77E-14	-0.001	0.004	0.829	0.015	56.104	TRUE	1.22E-13
FEV1FVC	MCL1	cg17724175	rs111428433	T	C	-0.458	0.048	0.062	2.66E-21	0.002	0.005	0.756	0.024	89.736	TRUE	7.90E-21
FEV1FVC	MCL1	cg17724175	rs11204671	T	C	0.804	0.021	0.340	5.14E-293	-0.007	0.003	0.008	0.277	1415.853	TRUE	1.58E-270
FEV1FVC	MCL1	cg17724175	rs11205354	A	C	0.374	0.023	0.444	1.51E-58	0.011	0.002	3.46E-06	0.066	260.108	TRUE	1.15E-53
FEV1FVC	MCL1	cg17724175	rs114529840	G	T	0.320	0.052	0.048	8.04E-10	-0.020	0.005	1.18E-04	0.010	37.729	TRUE	9.65E-09
FEV1FVC	MCL1	cg17724175	rs115183610	C	T	0.746	0.111	0.014	2.17E-11	0.012	0.011	0.267	0.012	44.783	TRUE	6.09E-11
FEV1FVC	MCL1	cg17724175	rs116293136	A	G	0.773	0.131	0.020	3.49E-09	0.004	0.008	0.601	0.009	34.873	TRUE	5.96E-09
FEV1FVC	MCL1	cg17724175	rs11803990	G	C	-0.468	0.044	0.077	1.50E-26	-0.002	0.004	0.597	0.030	113.654	TRUE	8.03E-26
FEV1FVC	MCL1	cg17724175	rs11806477	T	C	-0.187	0.024	0.382	1.33E-14	0.002	0.003	0.328	0.016	59.307	TRUE	4.27E-14
FEV1FVC	MCL1	cg17724175	rs12143614	A	T	-0.475	0.037	0.120	3.34E-37	0.006	0.004	0.085	0.042	162.336	TRUE	1.93E-35
FEV1FVC	MCL1	cg17724175	rs140386498	T	A	0.779	0.096	0.017	3.57E-16	0.012	0.011	0.265	0.018	66.424	TRUE	1.45E-15
FEV1FVC	MCL1	cg17724175	rs140729194	G	C	-0.412	0.054	0.049	2.69E-14	0.003	0.006	0.598	0.015	57.918	TRUE	6.13E-14
FEV1FVC	MCL1	cg17724175	rs141156871	G	T	0.821	0.089	0.021	3.49E-20	-0.003	0.008	0.703	0.022	84.644	TRUE	1.03E-19
FEV1FVC	MCL1	cg17724175	rs142094124	A	G	0.744	0.045	0.067	7.47E-61	0.002	0.005	0.617	0.068	270.687	TRUE	1.48E-58
FEV1FVC	MCL1	cg17724175	rs17646887	A	G	0.857	0.082	0.046	9.23E-26	0.000	0.006	0.997	0.029	110.060	TRUE	2.75E-25
FEV1FVC	MCL1	cg17724175	rs1811698	T	C	-0.356	0.038	0.101	6.19E-21	0.000	0.004	0.968	0.023	88.064	TRUE	1.42E-20
FEV1FVC	MCL1	cg17724175	rs2067606	G	A	0.207	0.027	0.244	5.14E-14	0.000	0.003	0.873	0.015	56.645	TRUE	8.78E-14
FEV1FVC	MCL1	cg17724175	rs3738320	G	A	0.369	0.028	0.218	4.25E-40	0.014	0.003	5.76E-07	0.045	175.587	TRUE	1.76E-36
FEV1FVC	MCL1	cg17724175	rs525676	T	C	-0.445	0.064	0.038	4.84E-12	0.008	0.006	0.170	0.013	47.723	TRUE	1.71E-11
FEV1FVC	MCL1	cg17724175	rs6659770	T	C	0.499	0.027	0.257	9.67E-79	0.001	0.003	0.713	0.087	352.756	TRUE	2.18E-75
FEV1FVC	MCL1	cg17724175	rs7364686	A	G	0.460	0.025	0.313	9.17E-76	0.006	0.003	0.024	0.084	339.095	TRUE	3.32E-71
FEV1FVC	MCL1	cg17724175	rs771201	C	T	0.347	0.024	0.385	5.93E-47	0.001	0.003	0.784	0.053	206.974	TRUE	1.58E-45
FEV1FVC	MCL1	cg18016565	rs11204671	T	C	0.320	0.024	0.340	1.92E-39	-0.007	0.003	0.008	0.045	172.593	TRUE	4.62E-37
FEV1FVC	MCL1	cg18016565	rs6693567	C	T	0.193	0.027	0.261	6.96E-13	0.006	0.003	0.024	0.014	51.529	TRUE	4.79E-12
FEV1FVC	MCL1	cg18016565	rs75952620	C	T	0.353	0.040	0.084	7.69E-19	0.003	0.004	0.462	0.021	78.535	TRUE	2.80E-18
FEV1FVC	MET	cg01921059	rs11979704	A	G	-1.203	0.106	0.011	4.03E-30	0.004	0.011	0.710	0.034	129.963	TRUE	2.45E-29
FEV1FVC	MET	cg01921059	rs12673233	G	A	-0.794	0.053	0.047	1.99E-50	-0.013	0.005	0.018	0.057	222.895	TRUE	1.48E-47
FEV1FVC	MET	cg01921059	rs2237712	G	A	-1.798	0.059	0.038	4.95E-205	-0.004	0.006	0.586	0.201	933.065	TRUE	2.07E-187
FEV1FVC	MET	cg01921059	rs42230	C	T	-0.198	0.024	0.400	4.59E-16	0.015	0.002	2.03E-09	0.018	65.930	TRUE	7.47E-14
FEV1FVC	MET	cg19958057	rs10227421	C	T	-0.194	0.035	0.122	3.39E-08	-0.011	0.004	0.004	0.008	30.452	TRUE	1.88E-07
FEV1FVC	MET	cg24197567	rs41785	A	C	-0.161	0.024	0.420	2.73E-11	-0.012	0.002	9.56E-07	0.012	44.339	TRUE	8.27E-10
FEV1FVC	MET	cg24197567	rs437	C	T	0.153	0.027	0.262	8.36E-09	0.000	0.003	0.888	0.009	33.171	TRUE	1.14E-08
FEV1FVC	MET	cg24627299	rs437	C	T	0.256	0.027	0.262	5.18E-22	0.000	0.003	0.888	0.025	92.968	TRUE	1.40E-21

FEV1FVC	MET	cg25299676	rs145400702	T	C	0.659	0.118	0.013	2.34E-08	-0.005	0.010	0.650	0.008	31.174	TRUE	3.68E-08
FEV1FVC	MET	cg25299676	rs38840	T	C	0.510	0.041	0.172	7.34E-35	0.009	0.003	0.007	0.039	151.626	TRUE	1.01E-32
FEV1FVC	MET	cg25299676	rs41781	C	T	0.147	0.025	0.357	4.40E-09	0.014	0.003	5.22E-09	0.009	34.421	TRUE	1.30E-07
FEV1FVC	MET	cg25299676	rs73716755	C	G	-0.350	0.058	0.042	1.61E-09	-0.011	0.006	0.061	0.010	36.378	TRUE	6.12E-09
FEV1FVC	MET	cg27472701	rs38849	C	G	-0.198	0.027	0.249	2.04E-13	0.015	0.003	6.67E-08	0.014	53.936	TRUE	1.18E-11
FEV1FVC	MIR944	cg15245749	rs7619556	G	A	0.150	0.024	0.429	1.94E-10	-0.003	0.002	0.215	0.011	40.508	TRUE	5.53E-10
FEV1FVC	MKNK2	cg00434573	rs10403009	G	A	-0.163	0.024	0.433	7.98E-12	0.000	0.002	0.885	0.012	46.745	TRUE	1.21E-11
FEV1FVC	MKNK2	cg00434573	rs12610177	T	G	-0.410	0.025	0.347	6.56E-62	0.006	0.003	0.019	0.069	275.532	TRUE	2.65E-58
FEV1FVC	MKNK2	cg05254098	rs71337080	T	C	0.177	0.026	0.303	4.12E-12	0.007	0.003	0.009	0.013	48.041	TRUE	3.23E-11
FEV1FVC	MKNK2	cg06521145	rs880183	A	G	0.182	0.026	0.297	3.75E-12	0.007	0.003	0.013	0.013	48.223	TRUE	2.76E-11
FEV1FVC	MKNK2	cg06552549	rs2302585	A	G	0.288	0.026	0.299	4.47E-29	0.007	0.003	0.012	0.033	125.190	TRUE	2.31E-27
FEV1FVC	MKNK2	cg11634930	rs8108391	A	G	-0.155	0.025	0.328	4.58E-10	0.004	0.003	0.179	0.010	38.828	TRUE	1.34E-09
FEV1FVC	MKNK2	cg11881835	rs10416848	G	C	0.141	0.025	0.313	2.49E-08	0.002	0.003	0.410	0.008	31.050	TRUE	4.74E-08
FEV1FVC	MKNK2	cg11881835	rs12460442	G	C	0.185	0.031	0.170	2.39E-09	-0.002	0.003	0.555	0.010	35.611	TRUE	4.25E-09
FEV1FVC	MKNK2	cg11881835	rs12610177	T	G	0.182	0.025	0.347	2.86E-13	0.006	0.003	0.019	0.014	53.272	TRUE	2.18E-12
FEV1FVC	MKNK2	cg11881835	rs190922522	A	T	-0.566	0.033	0.138	2.45E-65	-0.005	0.003	0.122	0.073	291.251	TRUE	4.69E-62
FEV1FVC	MKNK2	cg11881835	rs34797288	T	C	-0.143	0.025	0.312	1.42E-08	0.000	0.003	0.932	0.009	32.137	TRUE	1.84E-08
FEV1FVC	MKNK2	cg11881835	rs887932	T	G	0.482	0.062	0.069	8.57E-15	-0.001	0.005	0.816	0.016	60.167	TRUE	1.62E-14
FEV1FVC	MKNK2	cg17068236	rs10421179	A	G	0.303	0.036	0.276	3.10E-17	0.007	0.003	0.013	0.019	71.239	TRUE	3.91E-16
FEV1FVC	MKNK2	cg17068236	rs11084925	G	A	0.276	0.040	0.239	3.00E-12	0.003	0.003	0.302	0.013	48.664	TRUE	8.57E-12
FEV1FVC	MKNK2	cg17068236	rs112041002	T	C	-0.320	0.034	0.131	1.11E-20	-0.005	0.003	0.125	0.023	86.909	TRUE	9.36E-20
FEV1FVC	MKNK2	cg17068236	rs12172871	C	T	0.307	0.024	0.484	2.08E-38	0.002	0.002	0.539	0.043	167.850	TRUE	3.59E-37
FEV1FVC	MKNK2	cg17068236	rs12982087	G	C	0.293	0.046	0.142	1.95E-10	0.002	0.004	0.501	0.011	40.498	TRUE	3.87E-10
FEV1FVC	MKNK2	cg17068236	rs138407468	T	C	0.314	0.041	0.094	1.54E-14	0.001	0.004	0.777	0.016	59.017	TRUE	3.00E-14
FEV1FVC	MKNK2	cg17068236	rs150771388	A	G	0.833	0.096	0.013	3.20E-18	0.005	0.009	0.598	0.020	75.719	TRUE	9.43E-18
FEV1FVC	MKNK2	cg17068236	rs4405674	G	T	0.257	0.035	0.450	9.62E-14	0.004	0.003	0.150	0.015	55.412	TRUE	4.09E-13
FEV1FVC	MKNK2	cg17068236	rs56747107	C	T	0.249	0.038	0.225	3.06E-11	0.004	0.003	0.229	0.012	44.115	TRUE	8.98E-11
FEV1FVC	MKNK2	cg17068236	rs71337080	T	C	1.067	0.019	0.303	<1E-200	0.007	0.003	0.009	0.462	3173.594	TRUE	<1E-200
FEV1FVC	MKNK2	cg17068236	rs7249308	G	A	-0.280	0.044	0.144	1.94E-10	-0.001	0.003	0.815	0.011	40.505	TRUE	2.98E-10
FEV1FVC	MKNK2	cg21030400	rs10416239	T	C	0.345	0.044	0.188	3.35E-15	0.001	0.003	0.682	0.016	62.016	TRUE	7.49E-15
FEV1FVC	MKNK2	cg21030400	rs117685871	A	G	-0.451	0.072	0.027	3.88E-10	-0.004	0.007	0.536	0.010	39.149	TRUE	7.41E-10
FEV1FVC	MKNK2	cg21030400	rs12610177	T	G	0.238	0.025	0.347	2.25E-21	0.006	0.003	0.019	0.024	90.059	TRUE	4.20E-20
FEV1FVC	MKNK2	cg21030400	rs17754896	C	G	0.166	0.029	0.211	1.93E-08	0.003	0.003	0.331	0.008	31.551	TRUE	4.01E-08
FEV1FVC	MKNK2	cg21030400	rs190922522	A	T	-0.881	0.032	0.138	2.63E-162	-0.005	0.003	0.122	0.166	736.652	TRUE	1.65E-149
FEV1FVC	MKNK2	cg21030400	rs34475638	T	C	0.780	0.120	0.021	9.71E-11	0.003	0.008	0.713	0.011	41.857	TRUE	1.65E-10
FEV1FVC	MKNK2	cg21030400	rs62129529	C	T	-0.234	0.035	0.402	2.62E-11	0.001	0.003	0.565	0.012	44.419	TRUE	5.15E-11
FEV1FVC	MKNK2	cg21030400	rs74432830	C	A	0.327	0.050	0.109	8.99E-11	-0.001	0.004	0.896	0.011	42.006	TRUE	1.32E-10
FEV1FVC	MKNK2	cg22580935	rs2302585	A	G	-0.408	0.026	0.299	1.06E-56	0.007	0.003	0.012	0.064	251.648	TRUE	2.33E-53
FEV1FVC	MKNK2	cg22580935	rs4404194	C	T	-0.150	0.024	0.426	3.45E-10	-0.001	0.002	0.723	0.011	39.378	TRUE	5.69E-10
FEV1FVC	MKNK2	cg23899359	rs12610177	T	G	-0.140	0.025	0.347	2.40E-08	0.006	0.003	0.019	0.008	31.124	TRUE	1.04E-07
FEV1FVC	MKNK2	cg24808711	rs3746101	T	G	-0.250	0.043	0.083	5.67E-09	0.001	0.004	0.843	0.009	33.926	TRUE	7.99E-09
FEV1FVC	MKNK2	cg26498966	rs34475638	T	C	0.811	0.120	0.021	1.59E-11	0.003	0.008	0.713	0.012	45.390	TRUE	2.82E-11

FEV1FVC	MKNK2	cg26498966	rs7250526	A	G	-0.251	0.025	0.290	5.12E-23	-0.004	0.003	0.147	0.026	97.546	TRUE	4.87E-22
FEV1FVC	MKNK2	cg26647303	rs12610177	T	G	-0.385	0.025	0.347	2.39E-54	0.006	0.003	0.019	0.061	240.864	TRUE	3.01E-51
FEV1FVC	MKNK2	cg26647303	rs4807196	C	A	-0.142	0.024	0.433	2.86E-09	-0.001	0.003	0.717	0.009	35.257	TRUE	4.47E-09
FEV1FVC	MLKL	cg01046070	rs1125804	A	G	-0.146	0.024	0.467	8.28E-10	-0.003	0.002	0.174	0.010	37.673	TRUE	2.42E-09
FEV1FVC	MLKL	cg01046070	rs113406118	A	G	0.524	0.060	0.039	4.05E-18	0.000	0.006	0.987	0.020	75.255	TRUE	7.74E-18
FEV1FVC	MLKL	cg01046070	rs11648541	T	G	-0.153	0.025	0.325	1.63E-09	-0.001	0.003	0.779	0.010	36.350	TRUE	2.45E-09
FEV1FVC	MLKL	cg01046070	rs1966512	G	A	-0.229	0.032	0.160	9.30E-13	0.001	0.003	0.834	0.014	50.960	TRUE	1.58E-12
FEV1FVC	MLKL	cg01046070	rs2240247	T	C	-0.216	0.033	0.154	5.73E-11	0.002	0.003	0.504	0.011	42.887	TRUE	1.18E-10
FEV1FVC	MLKL	cg01046070	rs2870147	G	A	0.311	0.039	0.193	2.17E-15	0.001	0.003	0.833	0.017	62.872	TRUE	4.23E-15
FEV1FVC	MLKL	cg01046070	rs35534917	T	C	-0.244	0.040	0.087	1.56E-09	0.001	0.004	0.729	0.010	36.437	TRUE	2.44E-09
FEV1FVC	MLKL	cg01046070	rs4556811	C	T	0.145	0.024	0.388	1.59E-09	0.005	0.003	0.036	0.010	36.404	TRUE	6.78E-09
FEV1FVC	MLKL	cg01046070	rs62053585	T	A	-0.198	0.024	0.417	1.31E-16	-0.005	0.002	0.036	0.018	68.407	TRUE	1.21E-15
FEV1FVC	MLKL	cg01046070	rs72792727	G	A	-0.244	0.037	0.118	4.01E-11	0.008	0.004	0.023	0.012	43.584	TRUE	2.29E-10
FEV1FVC	MLKL	cg01046070	rs8055156	C	A	-0.257	0.023	0.485	6.98E-28	-0.003	0.002	0.281	0.031	119.741	TRUE	7.41E-27
FEV1FVC	MLKL	cg01046070	rs9930260	A	G	0.259	0.028	0.233	6.78E-21	0.000	0.003	0.983	0.023	87.883	TRUE	1.54E-20
FEV1FVC	MLKL	cg01046070	rs9932977	G	A	0.601	0.023	0.425	4.92E-151	0.000	0.002	0.864	0.156	684.840	TRUE	4.49E-141
FEV1FVC	MLKL	cg02135682	rs1076251	T	G	-0.236	0.027	0.249	7.75E-18	0.000	0.003	0.955	0.020	73.976	TRUE	1.53E-17
FEV1FVC	MLKL	cg02135682	rs13334241	G	A	-0.191	0.033	0.155	7.03E-09	0.008	0.003	0.012	0.009	33.509	TRUE	3.49E-08
FEV1FVC	MLKL	cg02135682	rs2870147	G	A	-0.235	0.039	0.193	2.06E-09	0.001	0.003	0.833	0.010	35.897	TRUE	2.99E-09
FEV1FVC	MLKL	cg02135682	rs35589326	G	A	-1.273	0.140	0.015	1.20E-19	-0.001	0.010	0.892	0.022	82.212	TRUE	2.75E-19
FEV1FVC	MLKL	cg02135682	rs4247497	T	C	-0.193	0.028	0.235	8.12E-12	0.003	0.003	0.246	0.012	46.712	TRUE	2.40E-11
FEV1FVC	MLKL	cg02135682	rs7359422	C	T	0.214	0.028	0.226	2.82E-14	0.001	0.003	0.875	0.015	57.823	TRUE	4.99E-14
FEV1FVC	MLKL	cg02135682	rs73616447	G	A	0.176	0.024	0.372	2.63E-13	-0.005	0.003	0.032	0.014	53.437	TRUE	1.72E-12
FEV1FVC	MLKL	cg02135682	rs9932977	G	A	-0.538	0.023	0.425	8.91E-120	0.000	0.002	0.864	0.128	541.202	TRUE	3.66E-113
FEV1FVC	MLKL	cg07846061	rs111757997	A	G	0.335	0.049	0.056	8.72E-12	-0.003	0.005	0.480	0.012	46.571	TRUE	1.94E-11
FEV1FVC	MLKL	cg07846061	rs117101562	T	C	-1.157	0.092	0.014	5.15E-36	0.009	0.009	0.297	0.041	156.902	TRUE	1.15E-34
FEV1FVC	MLKL	cg07846061	rs117458765	G	A	0.142	0.025	0.329	2.67E-08	-0.007	0.003	0.011	0.008	30.916	TRUE	1.29E-07
FEV1FVC	MLKL	cg07846061	rs117735876	C	T	-0.687	0.112	0.021	9.43E-10	0.014	0.008	0.090	0.010	37.419	TRUE	3.30E-09
FEV1FVC	MLKL	cg07846061	rs12446128	C	G	-0.140	0.024	0.395	5.51E-09	-0.001	0.002	0.845	0.009	33.980	TRUE	7.79E-09
FEV1FVC	MLKL	cg07846061	rs12448188	G	A	-0.383	0.027	0.255	3.27E-45	0.011	0.003	1.40E-04	0.051	199.002	TRUE	7.07E-42
FEV1FVC	MLKL	cg07846061	rs2240249	T	A	-0.249	0.024	0.376	5.88E-25	0.004	0.003	0.133	0.028	106.392	TRUE	7.36E-24
FEV1FVC	MLKL	cg07846061	rs2240253	T	G	-0.322	0.025	0.331	1.47E-37	0.002	0.003	0.392	0.042	163.974	TRUE	3.03E-36
FEV1FVC	MLKL	cg07846061	rs3916001	G	C	-0.308	0.024	0.389	1.31E-36	0.007	0.003	0.003	0.041	159.617	TRUE	2.88E-34
FEV1FVC	MLKL	cg07846061	rs4544266	C	A	-0.433	0.024	0.372	6.76E-72	0.006	0.003	0.024	0.080	321.346	TRUE	1.20E-67
FEV1FVC	MLKL	cg07846061	rs4985360	G	A	0.142	0.025	0.337	1.29E-08	-0.005	0.003	0.049	0.009	32.327	TRUE	4.59E-08
FEV1FVC	MLKL	cg07846061	rs57024259	T	G	0.362	0.046	0.066	2.89E-15	0.000	0.004	0.926	0.017	62.303	TRUE	5.06E-15
FEV1FVC	MLKL	cg07846061	rs7196131	C	T	0.248	0.044	0.069	1.38E-08	-0.002	0.004	0.714	0.009	32.195	TRUE	2.09E-08
FEV1FVC	MLKL	cg07846061	rs72792727	G	A	-1.092	0.035	0.118	1.23E-218	0.008	0.004	0.023	0.212	995.621	TRUE	9.08E-197
FEV1FVC	MLKL	cg07846061	rs72792741	T	G	0.635	0.023	0.404	9.23E-170	-0.003	0.003	0.310	0.172	770.915	TRUE	1.41E-156
FEV1FVC	MLKL	cg07846061	rs72794797	G	A	-0.728	0.057	0.048	1.90E-37	0.016	0.005	0.004	0.042	163.463	TRUE	4.70E-35
FEV1FVC	MLKL	cg07846061	rs72798623	A	G	0.171	0.027	0.265	2.06E-10	-0.004	0.003	0.139	0.011	40.386	TRUE	6.76E-10
FEV1FVC	MLKL	cg07846061	rs72803159	A	G	-0.423	0.076	0.024	2.80E-08	0.012	0.007	0.099	0.008	30.828	TRUE	8.31E-08

FEV1FVC	MLKL	cg07846061	rs78227885	A	G	0.321	0.036	0.118	8.80E-19	0.002	0.004	0.686	0.021	78.268	TRUE	2.42E-18
FEV1FVC	MLKL	cg07846061	rs78746225	A	C	-0.578	0.100	0.014	6.37E-09	-0.006	0.011	0.578	0.009	33.701	TRUE	1.09E-08
FEV1FVC	MLKL	cg07846061	rs9929068	A	G	0.207	0.033	0.146	4.03E-10	-0.008	0.003	0.021	0.010	39.079	TRUE	2.13E-09
FEV1FVC	MLKL	cg08357850	rs9932977	G	A	-0.156	0.024	0.425	3.50E-11	0.000	0.002	0.864	0.012	43.853	TRUE	5.31E-11
FEV1FVC	MLKL	cg10284440	rs111911076	T	C	-0.447	0.076	0.025	4.06E-09	0.004	0.008	0.642	0.009	34.576	TRUE	6.67E-09
FEV1FVC	MLKL	cg10284440	rs113406118	A	G	-0.512	0.060	0.039	1.89E-17	0.000	0.006	0.987	0.019	72.215	TRUE	3.49E-17
FEV1FVC	MLKL	cg10284440	rs11645307	T	C	0.273	0.025	0.327	3.58E-28	-0.004	0.003	0.103	0.032	121.066	TRUE	6.78E-27
FEV1FVC	MLKL	cg10284440	rs117101562	T	C	0.602	0.093	0.014	9.51E-11	0.009	0.009	0.297	0.011	41.897	TRUE	2.45E-10
FEV1FVC	MLKL	cg10284440	rs117769071	A	G	0.483	0.077	0.039	4.35E-10	0.011	0.006	0.079	0.010	38.929	TRUE	1.63E-09
FEV1FVC	MLKL	cg10284440	rs117856400	C	T	-0.625	0.092	0.036	1.17E-11	-0.004	0.007	0.494	0.012	46.002	TRUE	2.53E-11
FEV1FVC	MLKL	cg10284440	rs142234404	C	T	-0.415	0.071	0.025	5.32E-09	0.020	0.008	0.010	0.009	34.049	TRUE	2.83E-08
FEV1FVC	MLKL	cg10284440	rs241371	A	C	-0.293	0.028	0.216	3.37E-25	0.003	0.003	0.287	0.028	107.494	TRUE	2.77E-24
FEV1FVC	MLKL	cg10284440	rs2870147	G	A	-0.322	0.039	0.193	1.84E-16	0.001	0.003	0.833	0.018	67.730	TRUE	3.81E-16
FEV1FVC	MLKL	cg10284440	rs56313952	G	A	0.181	0.025	0.307	1.20E-12	-0.001	0.003	0.742	0.013	50.455	TRUE	2.21E-12
FEV1FVC	MLKL	cg10284440	rs57024259	T	G	0.269	0.046	0.066	4.16E-09	0.000	0.004	0.926	0.009	34.527	TRUE	5.53E-09
FEV1FVC	MLKL	cg10284440	rs62051099	A	T	-0.153	0.026	0.267	6.92E-09	0.001	0.003	0.737	0.009	33.538	TRUE	1.05E-08
FEV1FVC	MLKL	cg10284440	rs62053580	G	A	0.203	0.032	0.161	2.77E-10	0.002	0.003	0.544	0.011	39.808	TRUE	5.35E-10
FEV1FVC	MLKL	cg10284440	rs7197306	C	T	0.265	0.033	0.150	1.02E-15	0.002	0.003	0.568	0.017	64.352	TRUE	2.62E-15
FEV1FVC	MLKL	cg10284440	rs72792727	G	A	0.430	0.037	0.118	7.06E-32	0.008	0.004	0.023	0.036	137.988	TRUE	4.06E-30
FEV1FVC	MLKL	cg10284440	rs9925807	G	C	-0.295	0.030	0.180	2.05E-22	-0.002	0.003	0.622	0.025	94.806	TRUE	7.72E-22
FEV1FVC	MLKL	cg10284440	rs9932977	G	A	-0.709	0.022	0.425	3.27E-219	0.000	0.002	0.864	0.213	998.262	TRUE	7.01E-200
FEV1FVC	MMP9	cg00182727	rs35567443	C	T	-0.333	0.024	0.425	8.25E-44	0.002	0.002	0.329	0.049	192.581	TRUE	3.85E-42
FEV1FVC	MMP9	cg04145601	rs112921409	A	C	0.180	0.024	0.423	3.09E-14	-0.005	0.002	0.037	0.015	57.647	TRUE	2.17E-13
FEV1FVC	MMP9	cg04145601	rs13038175	A	G	0.272	0.036	0.118	7.92E-14	-0.004	0.004	0.333	0.015	55.796	TRUE	2.43E-13
FEV1FVC	MMP9	cg04145601	rs2425760	A	T	0.185	0.034	0.139	4.18E-08	0.004	0.003	0.248	0.008	30.046	TRUE	9.55E-08
FEV1FVC	MMP9	cg04145601	rs3918253	C	T	-0.453	0.024	0.425	1.96E-81	0.002	0.002	0.354	0.090	365.122	TRUE	1.82E-77
FEV1FVC	MMP9	cg04656101	rs2297198	T	C	-0.216	0.029	0.194	1.48E-13	-0.003	0.003	0.340	0.015	54.570	TRUE	4.43E-13
FEV1FVC	MMP9	cg04656101	rs3918253	C	T	-0.326	0.024	0.425	2.93E-42	0.002	0.002	0.354	0.048	185.481	TRUE	1.09E-40
FEV1FVC	MMP9	cg04656101	rs4810488	A	C	-0.194	0.030	0.191	5.57E-11	-0.005	0.003	0.086	0.011	42.942	TRUE	2.24E-10
FEV1FVC	MMP9	cg04656101	rs77880402	C	T	0.207	0.035	0.125	5.03E-09	-0.004	0.004	0.333	0.009	34.159	TRUE	1.10E-08
FEV1FVC	MMP9	cg09149648	rs2250889	G	C	0.387	0.058	0.042	2.98E-11	0.013	0.006	0.026	0.012	44.164	TRUE	1.66E-10
FEV1FVC	MMP9	cg17664577	rs148773337	A	C	-0.424	0.073	0.022	7.36E-09	0.009	0.008	0.287	0.009	33.420	TRUE	1.66E-08
FEV1FVC	MMP9	cg17664577	rs35567443	C	T	-0.370	0.024	0.425	5.48E-54	0.002	0.002	0.329	0.061	239.211	TRUE	8.77E-52
FEV1FVC	MMP9	cg17664577	rs56324610	C	G	-0.157	0.025	0.339	1.88E-10	0.004	0.003	0.092	0.011	40.563	TRUE	6.98E-10
FEV1FVC	MMP9	cg20674635	rs112033225	A	G	0.381	0.057	0.043	3.43E-11	-0.002	0.006	0.778	0.012	43.891	TRUE	5.62E-11
FEV1FVC	MMP9	cg20674635	rs112059592	G	T	-0.407	0.075	0.026	4.76E-08	0.011	0.008	0.140	0.008	29.796	TRUE	1.26E-07
FEV1FVC	MMP9	cg20674635	rs13038175	A	G	0.231	0.036	0.118	2.07E-10	-0.004	0.004	0.333	0.011	40.381	TRUE	4.97E-10
FEV1FVC	MMP9	cg20674635	rs2250889	G	C	-0.327	0.059	0.042	3.12E-08	0.013	0.006	0.026	0.008	30.616	TRUE	1.24E-07
FEV1FVC	MMP9	cg20674635	rs3918256	G	A	-0.605	0.023	0.425	5.79E-150	0.002	0.002	0.353	0.155	679.920	TRUE	2.42E-139
FEV1FVC	MMP9	cg20674635	rs3918278	A	G	-0.572	0.084	0.023	8.55E-12	-0.001	0.008	0.872	0.012	46.611	TRUE	1.33E-11
FEV1FVC	MMP9	cg20674635	rs4810488	A	C	-0.203	0.030	0.191	7.34E-12	-0.005	0.003	0.086	0.013	46.908	TRUE	3.21E-11
FEV1FVC	MMP9	cg20674635	rs56279239	A	G	0.290	0.036	0.126	3.41E-16	0.002	0.004	0.663	0.018	66.516	TRUE	8.24E-16

FEV1FVC	MMP9	cg20674635	rs6074009	T	C	-0.196	0.030	0.187	5.95E-11	-0.002	0.003	0.552	0.011	42.812	TRUE	1.18E-10
FEV1FVC	MMP9	cg20674635	rs6130946	C	T	-0.202	0.036	0.117	2.59E-08	-0.011	0.004	0.003	0.008	30.979	TRUE	1.50E-07
FEV1FVC	MMP9	cg20674635	rs7264209	C	T	0.311	0.056	0.045	2.28E-08	0.009	0.006	0.121	0.008	31.227	TRUE	6.47E-08
FEV1FVC	MMP9	cg20674635	rs77617917	A	G	-0.244	0.044	0.075	2.56E-08	0.013	0.004	0.004	0.008	30.999	TRUE	1.44E-07
FEV1FVC	MMP9	cg20674635	rs77727017	T	G	-0.277	0.036	0.118	2.36E-14	0.006	0.004	0.099	0.015	58.172	TRUE	1.22E-13
FEV1FVC	MMP9	cg20674635	rs79439130	A	G	-0.435	0.058	0.040	7.55E-14	-0.016	0.006	0.004	0.015	55.890	TRUE	8.78E-13
FEV1FVC	MMP9	cg23303369	rs112059592	G	T	-0.513	0.075	0.026	6.27E-12	0.011	0.008	0.140	0.013	47.218	TRUE	2.34E-11
FEV1FVC	MMP9	cg23303369	rs1128536	A	G	-0.143	0.026	0.291	2.69E-08	0.002	0.003	0.433	0.008	30.902	TRUE	5.10E-08
FEV1FVC	MMP9	cg23303369	rs113562688	A	G	-0.303	0.036	0.116	6.84E-17	0.006	0.004	0.098	0.018	69.681	TRUE	4.56E-16
FEV1FVC	MMP9	cg23303369	rs12373874	A	G	-0.530	0.096	0.030	3.30E-08	0.011	0.007	0.103	0.008	30.509	TRUE	9.58E-08
FEV1FVC	MMP9	cg23303369	rs13038175	A	G	0.330	0.036	0.118	1.05E-19	-0.004	0.004	0.333	0.022	82.461	TRUE	5.03E-19
FEV1FVC	MMP9	cg23303369	rs148773337	A	C	-0.453	0.073	0.022	6.02E-10	0.009	0.008	0.287	0.010	38.294	TRUE	1.48E-09
FEV1FVC	MMP9	cg23303369	rs2250889	G	C	-0.418	0.059	0.042	1.39E-12	0.013	0.006	0.026	0.013	50.166	TRUE	8.96E-12
FEV1FVC	MMP9	cg23303369	rs3918256	G	A	-0.749	0.023	0.425	3.10E-242	0.002	0.002	0.353	0.230	1104.131	TRUE	3.73E-218
FEV1FVC	MMP9	cg23303369	rs3918278	A	G	-0.528	0.084	0.023	3.14E-10	-0.001	0.008	0.872	0.011	39.563	TRUE	4.56E-10
FEV1FVC	MMP9	cg23303369	rs3933240	T	C	0.277	0.046	0.069	2.43E-09	0.003	0.005	0.566	0.010	35.579	TRUE	4.32E-09
FEV1FVC	MMP9	cg23303369	rs4810488	A	C	-0.245	0.030	0.191	1.33E-16	-0.005	0.003	0.086	0.018	68.373	TRUE	9.08E-16
FEV1FVC	MMP9	cg23303369	rs55943410	T	C	0.410	0.044	0.079	7.25E-21	-0.013	0.005	0.004	0.023	87.750	TRUE	1.98E-19
FEV1FVC	MMP9	cg23303369	rs6017575	G	A	-0.180	0.031	0.176	4.17E-09	0.006	0.003	0.041	0.009	34.525	TRUE	1.69E-08
FEV1FVC	MMP9	cg23303369	rs6074009	T	C	-0.236	0.030	0.187	3.86E-15	-0.002	0.003	0.552	0.016	61.737	TRUE	9.85E-15
FEV1FVC	MMP9	cg23303369	rs73112805	G	T	0.339	0.053	0.050	1.17E-10	0.010	0.005	0.060	0.011	41.494	TRUE	5.07E-10
FEV1FVC	MMP9	cg23303369	rs77202366	T	C	0.418	0.057	0.044	1.86E-13	-0.001	0.006	0.878	0.014	54.119	TRUE	3.10E-13
FEV1FVC	MMP9	cg23303369	rs79439130	A	G	-0.388	0.058	0.040	2.61E-11	-0.016	0.006	0.004	0.012	44.422	TRUE	2.20E-10
FEV1FVC	MMP9	cg23303369	rs9509	C	T	-0.389	0.070	0.030	3.03E-08	0.009	0.008	0.247	0.008	30.674	TRUE	6.92E-08
FEV1FVC	MMP9	cg23353432	rs13969	A	C	-0.255	0.024	0.388	1.69E-25	0.001	0.002	0.604	0.029	108.866	TRUE	8.45E-25
FEV1FVC	MMP9	cg26132320	rs143834352	T	G	-0.674	0.123	0.015	3.98E-08	0.015	0.009	0.075	0.008	30.144	TRUE	1.24E-07
FEV1FVC	MMP9	cg26132320	rs3918256	G	A	-0.423	0.024	0.425	3.70E-71	0.002	0.002	0.353	0.079	317.957	TRUE	6.40E-68
FEV1FVC	MMP9	cg26132320	rs7270170	A	G	0.156	0.024	0.455	3.44E-11	-0.004	0.002	0.123	0.012	43.883	TRUE	1.25E-10
FEV1FVC	MMP9	cg26132320	rs73112805	G	T	0.337	0.052	0.050	1.29E-10	0.010	0.005	0.060	0.011	41.303	TRUE	5.57E-10
FEV1FVC	MNT	cg27406664	rs118003502	T	A	0.542	0.070	0.025	8.40E-15	0.011	0.008	0.137	0.016	60.207	TRUE	4.04E-14
FEV1FVC	MNT	cg27406664	rs12951951	C	T	0.378	0.026	0.256	2.90E-46	0.002	0.003	0.422	0.052	203.817	TRUE	1.48E-44
FEV1FVC	MNT	cg27406664	rs1970835	G	A	0.576	0.025	0.278	3.09E-113	0.006	0.003	0.035	0.121	511.160	TRUE	1.82E-105
FEV1FVC	MNT	cg27406664	rs216175	C	A	0.402	0.032	0.159	2.51E-36	0.011	0.003	9.77E-04	0.041	158.329	TRUE	8.10E-34
FEV1FVC	MNT	cg27406664	rs216205	C	T	-0.395	0.027	0.247	5.00E-48	-0.006	0.003	0.039	0.054	211.898	TRUE	1.75E-45
FEV1FVC	MNT	cg27406664	rs2317225	G	A	0.139	0.024	0.395	7.00E-09	0.004	0.002	0.076	0.009	33.518	TRUE	2.38E-08
FEV1FVC	MNT	cg27406664	rs2429918	A	C	0.715	0.111	0.028	1.34E-10	0.017	0.007	0.015	0.011	41.229	TRUE	7.91E-10
FEV1FVC	MNT	cg27406664	rs2429919	A	C	0.896	0.019	0.386	<1E-200	0.010	0.003	3.78E-05	0.370	2169.027	TRUE	<1E-200
FEV1FVC	MNT	cg27406664	rs35110958	T	C	-0.196	0.027	0.245	1.66E-13	-0.001	0.003	0.670	0.014	54.344	TRUE	3.42E-13
FEV1FVC	MNT	cg27406664	rs373137716	C	A	0.264	0.027	0.246	1.11E-22	0.002	0.003	0.494	0.025	96.025	TRUE	5.22E-22
FEV1FVC	MNT	cg27406664	rs3752962	C	T	-0.275	0.025	0.313	9.51E-28	-0.002	0.003	0.547	0.031	119.127	TRUE	6.05E-27
FEV1FVC	MNT	cg27406664	rs3826335	A	G	0.562	0.090	0.045	3.92E-10	0.012	0.006	0.035	0.010	39.133	TRUE	1.79E-09
FEV1FVC	MNT	cg27406664	rs56836279	C	T	0.696	0.108	0.013	1.29E-10	0.021	0.010	0.030	0.011	41.296	TRUE	6.59E-10

FEV1FVC	MNT	cg27406664	rs61733100	A	G	0.411	0.058	0.043	9.26E-13	0.001	0.006	0.932	0.014	50.967	TRUE	1.43E-12
FEV1FVC	MNT	cg27406664	rs61742229	A	G	-0.551	0.064	0.090	6.21E-18	-0.003	0.004	0.468	0.020	74.413	TRUE	2.12E-17
FEV1FVC	MNT	cg27406664	rs62067978	A	G	-0.191	0.029	0.194	5.91E-11	-0.012	0.003	3.98E-05	0.011	42.828	TRUE	1.05E-09
FEV1FVC	MNT	cg27406664	rs66494490	T	C	-0.515	0.054	0.046	2.05E-21	-0.007	0.005	0.173	0.024	90.244	TRUE	1.61E-20
FEV1FVC	MNT	cg27406664	rs72634004	G	C	0.355	0.038	0.118	5.33E-21	0.023	0.004	6.03E-10	0.023	88.360	TRUE	2.69E-18
FEV1FVC	MNT	cg27406664	rs72824333	G	A	0.477	0.035	0.137	1.86E-43	0.009	0.004	0.015	0.049	190.966	TRUE	5.51E-41
FEV1FVC	MNT	cg27406664	rs74415860	A	G	0.724	0.053	0.047	3.63E-42	0.001	0.005	0.854	0.048	185.056	TRUE	5.21E-41
FEV1FVC	MNT	cg27406664	rs8080303	C	G	-0.295	0.024	0.416	1.68E-35	-0.006	0.002	0.019	0.040	154.551	TRUE	1.69E-33
FEV1FVC	MPO	cg00473501	rs12602498	G	A	0.147	0.025	0.304	6.60E-09	0.002	0.003	0.341	0.009	33.630	TRUE	1.42E-08
FEV1FVC	MPO	cg00473501	rs35966900	C	T	-0.256	0.032	0.158	1.76E-15	-0.008	0.003	0.010	0.017	63.284	TRUE	2.06E-14
FEV1FVC	MPO	cg00473501	rs59651067	C	A	0.159	0.028	0.228	1.04E-08	-0.002	0.003	0.503	0.009	32.750	TRUE	1.88E-08
FEV1FVC	MPO	cg00473501	rs62083752	T	C	0.663	0.046	0.069	5.68E-47	0.002	0.005	0.724	0.053	207.062	TRUE	1.67E-45
FEV1FVC	MPO	cg02138358	rs34523089	T	C	0.218	0.034	0.163	2.45E-10	-0.001	0.003	0.724	0.011	40.048	TRUE	4.04E-10
FEV1FVC	MPO	cg02138358	rs36089182	T	A	0.370	0.057	0.050	1.01E-10	-0.004	0.005	0.432	0.011	41.775	TRUE	2.24E-10
FEV1FVC	MPO	cg04266202	rs11575868	T	C	-0.279	0.047	0.069	2.58E-09	0.003	0.005	0.491	0.009	35.462	TRUE	4.87E-09
FEV1FVC	MPO	cg04266202	rs34523089	T	C	0.288	0.034	0.163	5.24E-17	-0.001	0.003	0.724	0.019	70.207	TRUE	1.25E-16
FEV1FVC	MPO	cg04266202	rs36089182	T	A	0.452	0.057	0.050	2.42E-15	-0.004	0.005	0.432	0.017	62.657	TRUE	7.28E-15
FEV1FVC	MPO	cg08058156	rs35966900	C	T	0.218	0.032	0.158	1.48E-11	-0.008	0.003	0.010	0.012	45.531	TRUE	1.09E-10
FEV1FVC	MPO	cg09421562	rs34523089	T	C	0.227	0.034	0.163	4.95E-11	-0.001	0.003	0.724	0.012	43.174	TRUE	8.46E-11
FEV1FVC	MPO	cg09421562	rs36089182	T	A	0.354	0.057	0.050	5.82E-10	-0.004	0.005	0.432	0.010	38.359	TRUE	1.22E-09
FEV1FVC	MPO	cg27456487	rs34523089	T	C	0.276	0.034	0.163	9.84E-16	-0.001	0.003	0.724	0.017	64.428	TRUE	2.17E-15
FEV1FVC	MPO	cg27456487	rs36089182	T	A	0.444	0.057	0.050	7.93E-15	-0.004	0.005	0.432	0.016	60.320	TRUE	2.30E-14
FEV1FVC	MSH6	cg02905881	rs3136292	C	T	-0.244	0.025	0.306	3.53E-22	0.007	0.003	0.011	0.025	93.728	TRUE	8.27E-21
FEV1FVC	MSH6	cg02905881	rs77503991	T	C	-0.225	0.030	0.174	1.14E-13	0.003	0.003	0.381	0.015	55.084	TRUE	3.29E-13
FEV1FVC	MSH6	cg04781916	rs3136230	T	C	0.623	0.037	0.109	1.32E-64	-0.001	0.004	0.828	0.072	287.896	TRUE	2.76E-62
FEV1FVC	MSH6	cg04781916	rs57827032	T	C	0.175	0.027	0.258	5.15E-11	0.007	0.003	0.010	0.012	43.095	TRUE	3.39E-10
FEV1FVC	MSH6	cg04781916	rs62137054	T	C	0.177	0.026	0.268	1.70E-11	-0.002	0.003	0.581	0.012	45.269	TRUE	3.36E-11
FEV1FVC	MSH6	cg05039065	rs3136230	T	C	-0.329	0.037	0.109	2.39E-19	-0.001	0.004	0.828	0.021	80.846	TRUE	5.76E-19
FEV1FVC	MSH6	cg15355298	rs1800935	C	T	-0.141	0.025	0.305	2.58E-08	0.006	0.003	0.012	0.008	30.981	TRUE	1.18E-07
FEV1FVC	MSH6	cg16595246	rs3136230	T	C	-0.261	0.037	0.109	1.14E-12	-0.001	0.004	0.828	0.013	50.566	TRUE	1.91E-12
FEV1FVC	MSH6	cg18222961	rs78491566	C	G	-0.335	0.037	0.110	7.39E-20	0.000	0.004	0.920	0.022	83.162	TRUE	1.68E-19
FEV1FVC	MSH6	cg19570558	rs62139916	T	G	-0.402	0.030	0.195	1.15E-41	-0.007	0.003	0.014	0.047	182.757	TRUE	2.87E-39
FEV1FVC	MSH6	cg19570558	rs78888036	C	G	0.476	0.037	0.111	1.69E-38	-0.001	0.004	0.863	0.044	168.265	TRUE	1.71E-37
FEV1FVC	MSX1	cg01785568	rs28529683	G	C	-0.248	0.034	0.137	2.00E-13	0.003	0.003	0.457	0.014	53.979	TRUE	5.04E-13
FEV1FVC	MSX1	cg01785568	rs67362914	C	T	-0.235	0.039	0.101	1.90E-09	0.006	0.004	0.140	0.010	36.056	TRUE	5.69E-09
FEV1FVC	MSX1	cg03199651	rs56398386	T	C	-0.226	0.031	0.170	2.87E-13	-0.009	0.003	0.006	0.014	53.265	TRUE	2.93E-12
FEV1FVC	MSX1	cg03335246	rs145178606	A	C	-0.577	0.088	0.020	4.64E-11	-0.002	0.009	0.870	0.012	43.300	TRUE	7.00E-11
FEV1FVC	MSX1	cg03335246	rs3821949	A	G	-0.446	0.037	0.231	7.48E-33	-0.006	0.003	0.054	0.037	142.443	TRUE	3.31E-31
FEV1FVC	MSX1	cg03335246	rs4234836	G	A	-0.139	0.024	0.487	5.18E-09	-0.002	0.002	0.371	0.009	34.102	TRUE	1.07E-08
FEV1FVC	MSX1	cg03335246	rs4566595	C	A	0.205	0.024	0.379	5.27E-17	0.004	0.003	0.078	0.019	70.194	TRUE	3.70E-16
FEV1FVC	MSX1	cg03335246	rs6821947	C	G	-0.160	0.029	0.198	3.68E-08	-0.005	0.003	0.067	0.008	30.297	TRUE	1.21E-07
FEV1FVC	MSX1	cg03335246	rs77291978	G	C	-0.401	0.040	0.091	9.54E-24	-0.001	0.004	0.716	0.027	100.872	TRUE	3.52E-23

FEV1FVC	MSX1	cg03672274	rs4423815	A	G	0.139	0.024	0.427	4.57E-09	0.004	0.002	0.082	0.009	34.348	TRUE	1.54E-08
FEV1FVC	MSX1	cg04100843	rs56398386	T	C	-0.180	0.031	0.170	6.62E-09	-0.009	0.003	0.006	0.009	33.626	TRUE	3.86E-08
FEV1FVC	MSX1	cg04660422	rs73194720	T	C	0.254	0.032	0.167	1.85E-15	-0.005	0.003	0.162	0.017	63.189	TRUE	8.70E-15
FEV1FVC	MSX1	cg08121252	rs13435489	C	T	-0.335	0.049	0.054	1.22E-11	-0.003	0.005	0.499	0.012	45.917	TRUE	2.63E-11
FEV1FVC	MSX1	cg08121252	rs4689955	C	T	0.150	0.024	0.479	1.73E-10	0.002	0.002	0.439	0.011	40.729	TRUE	3.65E-10
FEV1FVC	MSX1	cg09573795	rs4395446	G	A	0.192	0.027	0.268	6.25E-13	-0.003	0.003	0.241	0.014	51.739	TRUE	2.08E-12
FEV1FVC	MSX1	cg09573795	rs6446716	G	A	0.128	0.024	0.396	4.92E-08	-0.002	0.002	0.340	0.008	29.732	TRUE	9.93E-08
FEV1FVC	MSX1	cg09748975	rs112626763	C	T	-0.411	0.064	0.035	1.65E-10	0.003	0.006	0.680	0.011	40.819	TRUE	2.83E-10
FEV1FVC	MSX1	cg09748975	rs12512455	T	C	-0.148	0.024	0.423	4.33E-10	-0.001	0.002	0.836	0.010	38.939	TRUE	6.42E-10
FEV1FVC	MSX1	cg09748975	rs67362914	C	T	-0.220	0.039	0.101	1.96E-08	0.006	0.004	0.140	0.008	31.521	TRUE	5.36E-08
FEV1FVC	MSX1	cg09918082	rs10029682	A	C	-0.303	0.048	0.059	3.08E-10	-0.001	0.005	0.855	0.011	39.601	TRUE	4.51E-10
FEV1FVC	MSX1	cg09918082	rs11944652	C	T	0.150	0.023	0.470	1.37E-10	-0.004	0.002	0.135	0.011	41.190	TRUE	4.60E-10
FEV1FVC	MSX1	cg10266211	rs3821949	A	G	-0.213	0.038	0.231	1.51E-08	-0.006	0.003	0.054	0.009	32.017	TRUE	5.37E-08
FEV1FVC	MSX1	cg13882284	rs80183133	G	A	0.256	0.043	0.074	1.66E-09	-0.002	0.004	0.647	0.010	36.322	TRUE	2.76E-09
FEV1FVC	MSX1	cg14039306	rs2131453	C	G	-0.490	0.042	0.169	8.56E-31	-0.009	0.003	0.005	0.035	133.036	TRUE	7.51E-29
FEV1FVC	MSX1	cg14039306	rs28444462	T	A	-0.452	0.050	0.059	8.13E-20	0.000	0.005	0.958	0.022	82.974	TRUE	1.77E-19
FEV1FVC	MSX1	cg14039306	rs35995608	A	T	0.289	0.040	0.096	2.48E-13	0.000	0.004	0.938	0.014	53.554	TRUE	3.90E-13
FEV1FVC	MSX1	cg14039306	rs3821949	A	G	-0.272	0.038	0.231	4.93E-13	-0.006	0.003	0.054	0.014	52.205	TRUE	2.76E-12
FEV1FVC	MSX1	cg14039306	rs4425311	A	G	-0.274	0.048	0.064	1.03E-08	-0.003	0.005	0.533	0.009	32.764	TRUE	1.82E-08
FEV1FVC	MSX1	cg14039306	rs4511945	G	C	0.182	0.028	0.249	3.82E-11	0.003	0.003	0.275	0.012	43.682	TRUE	1.03E-10
FEV1FVC	MSX1	cg14039306	rs4689966	A	G	-0.306	0.024	0.343	1.01E-36	-0.001	0.003	0.649	0.041	160.145	TRUE	1.18E-35
FEV1FVC	MSX1	cg14039306	rs60145083	A	G	0.183	0.024	0.499	9.72E-15	0.002	0.002	0.442	0.016	59.919	TRUE	2.70E-14
FEV1FVC	MSX1	cg14039306	rs74874242	T	C	-0.381	0.064	0.036	2.74E-09	0.004	0.006	0.508	0.009	35.340	TRUE	5.08E-09
FEV1FVC	MSX1	cg15696627	rs13435455	A	C	-0.318	0.050	0.054	1.67E-10	-0.003	0.005	0.581	0.011	40.796	TRUE	3.12E-10
FEV1FVC	MSX1	cg17814781	rs113018018	A	G	0.346	0.033	0.139	1.82E-25	0.001	0.003	0.692	0.029	108.715	TRUE	7.77E-25
FEV1FVC	MSX1	cg17814781	rs12650460	C	G	0.149	0.025	0.307	3.84E-09	0.000	0.003	0.951	0.009	34.685	TRUE	5.07E-09
FEV1FVC	MSX1	cg17814781	rs4566595	C	A	-0.232	0.024	0.379	2.45E-21	0.004	0.003	0.078	0.024	89.894	TRUE	2.61E-20
FEV1FVC	MSX1	cg17814781	rs61482971	G	A	0.245	0.033	0.151	5.21E-14	0.000	0.003	0.922	0.015	56.619	TRUE	8.57E-14
FEV1FVC	MSX1	cg17938612	rs13435489	C	T	0.493	0.050	0.054	2.74E-23	-0.003	0.005	0.499	0.026	98.784	TRUE	1.32E-22
FEV1FVC	MSX1	cg17938612	rs2968688	C	G	0.179	0.030	0.194	1.86E-09	0.001	0.003	0.832	0.010	36.091	TRUE	2.69E-09
FEV1FVC	MSX1	cg17938612	rs4423815	A	G	0.133	0.024	0.427	2.19E-08	0.004	0.002	0.082	0.008	31.298	TRUE	6.94E-08
FEV1FVC	MSX1	cg20588069	rs3821949	A	G	-0.387	0.037	0.231	4.15E-25	-0.006	0.003	0.054	0.028	107.083	TRUE	7.86E-24
FEV1FVC	MSX1	cg20588069	rs4234836	G	A	-0.165	0.024	0.487	3.31E-12	-0.002	0.002	0.371	0.013	48.467	TRUE	8.48E-12
FEV1FVC	MSX1	cg20588069	rs4566595	C	A	0.181	0.024	0.379	1.30E-13	0.004	0.003	0.078	0.015	54.822	TRUE	6.65E-13
FEV1FVC	MSX1	cg20588069	rs6821947	C	G	-0.162	0.029	0.198	2.29E-08	-0.005	0.003	0.067	0.008	31.211	TRUE	7.69E-08
FEV1FVC	MSX1	cg20588069	rs78255553	C	T	-0.322	0.039	0.093	3.29E-16	0.000	0.004	0.947	0.018	66.584	TRUE	5.98E-16
FEV1FVC	MSX1	cg21538208	rs12512455	T	C	-0.133	0.024	0.423	2.03E-08	-0.001	0.002	0.836	0.008	31.447	TRUE	2.80E-08
FEV1FVC	MSX1	cg21689228	rs4234836	G	A	0.169	0.024	0.487	8.74E-13	-0.002	0.002	0.371	0.014	51.080	TRUE	2.33E-12
FEV1FVC	MSX1	cg21689228	rs4689955	C	T	-0.168	0.024	0.479	9.47E-13	0.002	0.002	0.439	0.014	50.923	TRUE	2.31E-12
FEV1FVC	MSX1	cg21689228	rs6446700	G	A	0.234	0.024	0.489	2.47E-23	-0.004	0.002	0.065	0.026	98.987	TRUE	3.56E-22
FEV1FVC	MSX1	cg21689228	rs73194720	T	C	0.343	0.032	0.167	3.18E-27	-0.005	0.003	0.162	0.031	116.732	TRUE	4.32E-26
FEV1FVC	MSX1	cg21689228	rs7666443	C	T	0.136	0.024	0.471	9.37E-09	-0.004	0.002	0.137	0.009	32.950	TRUE	2.62E-08

FEV1FVC	MSX1	cg22256027	rs6817411	T	C	0.154	0.023	0.467	4.55E-11	-0.004	0.002	0.134	0.012	43.339	TRUE	1.60E-10
FEV1FVC	MSX1	cg22371591	rs10019032	T	C	0.309	0.048	0.061	1.33E-10	-0.002	0.005	0.737	0.011	41.244	TRUE	2.20E-10
FEV1FVC	MSX1	cg22609784	rs11944652	C	T	0.208	0.024	0.470	7.96E-19	-0.004	0.002	0.135	0.021	78.466	TRUE	5.53E-18
FEV1FVC	MSX1	cg22609784	rs35751866	A	C	0.177	0.027	0.243	1.01E-10	-0.004	0.003	0.198	0.011	41.770	TRUE	2.96E-10
FEV1FVC	MSX1	cg22609784	rs4426714	C	G	0.152	0.024	0.378	3.80E-10	-0.001	0.002	0.731	0.010	39.194	TRUE	6.09E-10
FEV1FVC	MSX1	cg24469464	rs73193155	A	G	0.300	0.035	0.134	1.91E-17	-0.003	0.004	0.357	0.019	72.199	TRUE	7.31E-17
FEV1FVC	MSX1	cg24840099	rs148259940	A	G	-0.618	0.100	0.014	5.54E-10	0.001	0.009	0.892	0.010	38.456	TRUE	7.81E-10
FEV1FVC	MSX1	cg24840099	rs2968684	T	C	-0.201	0.034	0.136	4.32E-09	0.000	0.003	0.930	0.009	34.454	TRUE	5.73E-09
FEV1FVC	MSX1	cg25144207	rs13109344	G	A	-0.168	0.028	0.223	2.91E-09	0.000	0.003	0.896	0.009	35.221	TRUE	4.01E-09
FEV1FVC	MSX1	cg25144207	rs3111689	G	T	-0.302	0.038	0.210	2.18E-15	0.003	0.003	0.373	0.017	62.864	TRUE	7.07E-15
FEV1FVC	MSX1	cg27038439	rs113083992	A	G	-0.446	0.064	0.035	3.04E-12	0.003	0.006	0.606	0.013	48.638	TRUE	6.09E-12
FEV1FVC	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	0.004	0.004	0.276	0.009	33.747	TRUE	1.46E-08
FEV1FVC	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	-0.015	0.002	8.31E-10	0.010	37.260	TRUE	4.28E-08
FEV1FVC	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	-0.009	0.002	2.45E-04	0.016	58.608	TRUE	4.09E-13
FEV1FVC	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	0.003	0.008	0.714	0.012	43.052	TRUE	9.02E-11
FEV1FVC	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	-0.003	0.006	0.653	0.008	29.937	TRUE	6.87E-08
FEV1FVC	MTOR	cg04310074	rs12121319	T	C	-0.994	0.082	0.024	4.72E-34	-0.004	0.008	0.598	0.038	147.929	TRUE	4.80E-33
FEV1FVC	MTOR	cg07922924	rs17036458	A	G	-1.030	0.082	0.024	8.89E-36	-0.008	0.008	0.343	0.040	155.818	TRUE	1.74E-34
FEV1FVC	MTOR	cg08854313	rs11121717	C	T	-0.662	0.085	0.035	4.84E-15	0.001	0.006	0.839	0.016	61.293	TRUE	9.12E-15
FEV1FVC	MTOR	cg08854313	rs12033594	G	T	-0.216	0.027	0.261	2.25E-15	0.005	0.003	0.102	0.017	62.798	TRUE	1.25E-14
FEV1FVC	MTOR	cg08854313	rs1281014	A	G	-0.402	0.065	0.039	5.72E-10	0.015	0.006	0.014	0.010	38.394	TRUE	3.17E-09
FEV1FVC	MTOR	cg08854313	rs2788562	C	T	0.319	0.023	0.443	3.06E-43	0.003	0.002	0.296	0.049	189.972	TRUE	1.49E-41
FEV1FVC	MTOR	cg08854313	rs41274510	A	G	-0.677	0.072	0.030	3.64E-21	-0.005	0.007	0.494	0.024	89.112	TRUE	1.50E-20
FEV1FVC	MTOR	cg08854313	rs4845854	T	C	-0.862	0.022	0.288	<1E-200	-0.010	0.003	2.27E-04	0.286	1484.902	TRUE	7.93E-281
FEV1FVC	MTOR	cg08854313	rs61775592	C	A	0.205	0.033	0.151	3.61E-10	0.000	0.003	0.951	0.011	39.293	TRUE	4.91E-10
FEV1FVC	MTOR	cg08854313	rs7543488	C	T	-0.182	0.030	0.194	7.53E-10	0.000	0.003	0.934	0.010	37.858	TRUE	1.01E-09
FEV1FVC	MTOR	cg10315903	rs2744815	G	A	0.144	0.026	0.303	1.64E-08	-0.009	0.003	8.65E-04	0.009	31.862	TRUE	1.20E-07
FEV1FVC	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	0.005	0.004	0.201	0.010	35.627	TRUE	6.24E-09
FEV1FVC	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	0.007	0.003	0.006	0.011	40.101	TRUE	1.64E-09
FEV1FVC	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	0.000	0.002	0.859	0.016	59.363	TRUE	2.31E-14
FEV1FVC	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	0.006	0.004	0.118	0.018	69.319	TRUE	5.08E-16
FEV1FVC	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	-0.036	0.006	5.63E-09	0.020	73.825	TRUE	1.65E-15
FEV1FVC	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	-0.002	0.004	0.720	0.011	42.813	TRUE	1.01E-10
FEV1FVC	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	0.008	0.002	0.002	0.105	436.012	TRUE	8.81E-90
FEV1FVC	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	0.001	0.003	0.805	0.009	34.701	TRUE	5.52E-09
FEV1FVC	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	0.012	0.003	2.34E-06	0.027	102.085	TRUE	1.29E-21
FEV1FVC	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	0.001	0.006	0.856	0.013	47.353	TRUE	9.28E-12
FEV1FVC	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	0.003	0.003	0.356	0.027	103.029	TRUE	2.07E-23
FEV1FVC	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	-0.002	0.003	0.330	0.034	131.110	TRUE	2.65E-29
FEV1FVC	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	0.012	0.003	2.34E-06	0.009	31.786	TRUE	2.69E-07
FEV1FVC	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	0.031	0.006	4.65E-07	0.035	135.131	TRUE	3.16E-28
FEV1FVC	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	0.005	0.002	0.047	0.018	67.714	TRUE	1.49E-15

FEV1FVC	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	0.006	0.002	0.009	0.012	43.170	TRUE	3.40E-10
FEV1FVC	MUL1	cg03182908	rs11577932	T	C	0.204	0.024	0.396	7.76E-18	-0.005	0.002	0.043	0.020	73.972	TRUE	7.66E-17
FEV1FVC	MUL1	cg03182908	rs34658642	T	C	0.362	0.051	0.059	8.56E-13	-0.005	0.005	0.283	0.014	51.121	TRUE	2.63E-12
FEV1FVC	MUL1	cg09354021	rs10916798	G	T	0.174	0.023	0.385	1.24E-13	-0.004	0.003	0.083	0.015	54.916	TRUE	6.53E-13
FEV1FVC	MUL1	cg09354021	rs433816	A	G	-0.134	0.024	0.334	4.00E-08	0.001	0.003	0.781	0.008	30.134	TRUE	5.62E-08
FEV1FVC	MUL1	cg09858435	rs595980	T	C	-0.207	0.029	0.193	7.59E-13	0.003	0.003	0.384	0.014	51.359	TRUE	2.06E-12
FEV1FVC	MUL1	cg26370078	rs10157351	G	T	0.173	0.024	0.408	5.12E-13	0.002	0.002	0.419	0.014	52.131	TRUE	1.35E-12
FEV1FVC	MUL1	cg26370078	rs1253918	G	T	0.167	0.029	0.228	9.29E-09	0.003	0.003	0.244	0.009	32.966	TRUE	2.22E-08
FEV1FVC	MUL1	cg26370078	rs139259969	T	C	-0.704	0.110	0.030	1.36E-10	0.001	0.008	0.861	0.011	41.194	TRUE	2.02E-10
FEV1FVC	MUL1	cg26370078	rs141203102	C	T	-0.759	0.096	0.015	3.54E-15	0.001	0.010	0.930	0.016	61.907	TRUE	6.16E-15
FEV1FVC	MUL1	cg26370078	rs16824489	G	A	-0.141	0.025	0.337	1.46E-08	0.003	0.003	0.236	0.009	32.088	TRUE	3.49E-08
FEV1FVC	MUL1	cg26370078	rs2641114	A	G	0.306	0.023	0.455	9.28E-40	-0.001	0.002	0.606	0.045	174.035	TRUE	1.56E-38
FEV1FVC	MUL1	cg26370078	rs2934358	A	G	0.245	0.023	0.486	1.66E-26	0.000	0.002	0.886	0.030	113.463	TRUE	5.88E-26
FEV1FVC	MUL1	cg26370078	rs3767235	T	C	-1.220	0.032	0.117	<1E-200	0.001	0.004	0.829	0.282	1450.527	TRUE	4.00E-280
FEV1FVC	MUL1	cg26370078	rs433816	A	G	0.263	0.025	0.334	1.19E-26	0.001	0.003	0.781	0.030	114.110	TRUE	4.97E-26
FEV1FVC	MUL1	cg26370078	rs4654860	T	C	0.146	0.024	0.398	1.81E-09	0.000	0.003	0.954	0.010	36.152	TRUE	2.36E-09
FEV1FVC	MUL1	cg26370078	rs4704	G	A	0.218	0.024	0.398	3.00E-20	-0.003	0.002	0.230	0.022	84.942	TRUE	1.84E-19
FEV1FVC	MUL1	cg26370078	rs669410	C	T	-0.166	0.024	0.418	4.38E-12	0.002	0.003	0.394	0.013	47.919	TRUE	1.09E-11
FEV1FVC	MUL1	cg26370078	rs7414922	G	T	-0.308	0.023	0.458	2.58E-40	-0.003	0.002	0.191	0.046	176.581	TRUE	1.24E-38
FEV1FVC	MUL1	cg26370078	rs7535412	G	A	-0.250	0.030	0.193	6.71E-17	-0.003	0.003	0.355	0.018	69.718	TRUE	2.50E-16
FEV1FVC	MYH9	cg01816775	rs13058648	A	C	-0.465	0.051	0.049	5.25E-20	0.005	0.005	0.345	0.022	83.836	TRUE	2.49E-19
FEV1FVC	MYH9	cg01816775	rs136195	A	G	-0.235	0.025	0.318	6.86E-21	0.003	0.003	0.289	0.023	87.861	TRUE	3.96E-20
FEV1FVC	MYH9	cg01816775	rs2239782	A	G	-0.427	0.026	0.247	6.24E-59	0.010	0.003	1.50E-04	0.066	261.876	TRUE	1.43E-54
FEV1FVC	MYH9	cg01816775	rs3830104	C	T	-0.296	0.043	0.079	3.86E-12	-0.007	0.004	0.105	0.013	48.167	TRUE	1.62E-11
FEV1FVC	MYH9	cg01816775	rs79013767	A	C	-0.524	0.076	0.020	6.13E-12	0.006	0.007	0.419	0.013	47.263	TRUE	1.46E-11
FEV1FVC	MYH9	cg06765172	rs139973547	A	G	0.573	0.080	0.020	1.01E-12	-0.029	0.008	2.08E-04	0.014	50.805	TRUE	1.80E-11
FEV1FVC	MYH9	cg08800893	rs8143119	G	T	0.333	0.023	0.403	2.26E-46	0.004	0.002	0.071	0.052	204.311	TRUE	4.60E-44
FEV1FVC	MYH9	cg10662871	rs115456990	C	A	0.710	0.068	0.031	2.86E-25	0.010	0.007	0.124	0.028	107.817	TRUE	3.76E-24
FEV1FVC	MYH9	cg10662871	rs74383715	G	A	0.352	0.045	0.084	3.08E-15	0.012	0.004	0.005	0.017	62.179	TRUE	4.05E-14
FEV1FVC	MYH9	cg11434151	rs2187776	C	T	-0.888	0.075	0.024	5.01E-32	0.004	0.008	0.610	0.036	138.669	TRUE	4.14E-31
FEV1FVC	MYH9	cg11691093	rs3752463	G	A	-0.270	0.024	0.405	2.47E-30	0.004	0.002	0.113	0.034	130.931	TRUE	5.67E-29
FEV1FVC	MYH9	cg11691093	rs9622371	C	T	0.152	0.023	0.497	6.95E-11	-0.004	0.002	0.132	0.011	42.509	TRUE	2.40E-10
FEV1FVC	MYH9	cg17163767	rs13058648	A	C	-0.326	0.051	0.049	1.41E-10	0.005	0.005	0.345	0.011	41.125	TRUE	3.36E-10
FEV1FVC	MYH9	cg17163767	rs136195	A	G	-0.196	0.025	0.318	4.77E-15	0.003	0.003	0.289	0.016	61.321	TRUE	1.73E-14
FEV1FVC	MYH9	cg17163767	rs2239782	A	G	-0.353	0.026	0.247	1.69E-40	0.010	0.003	1.50E-04	0.046	177.423	TRUE	1.91E-37
FEV1FVC	MYH9	cg17519899	rs13058648	A	C	-0.434	0.051	0.049	1.37E-17	0.005	0.005	0.345	0.019	72.848	TRUE	5.42E-17
FEV1FVC	MYH9	cg17519899	rs136195	A	G	-0.251	0.025	0.318	1.23E-23	0.003	0.003	0.289	0.026	100.375	TRUE	8.92E-23
FEV1FVC	MYH9	cg17519899	rs2239782	A	G	-0.405	0.026	0.247	9.16E-53	0.010	0.003	1.50E-04	0.059	233.604	TRUE	7.35E-49
FEV1FVC	MYH9	cg17519899	rs3830104	C	T	-0.333	0.043	0.079	5.59E-15	-0.007	0.004	0.105	0.016	61.009	TRUE	3.03E-14
FEV1FVC	MYH9	cg17519899	rs79013767	A	C	-0.502	0.076	0.020	4.41E-11	0.006	0.007	0.419	0.012	43.400	TRUE	9.95E-11
FEV1FVC	MYH9	cg23015219	rs115456990	C	A	1.194	0.068	0.031	1.97E-69	0.010	0.007	0.124	0.077	310.042	TRUE	7.26E-66
FEV1FVC	MYH9	cg23015219	rs136206	A	G	0.323	0.025	0.290	4.26E-37	0.006	0.003	0.033	0.042	161.856	TRUE	4.02E-35

FEV1FVC	MYH9	cg23015219	rs73167691	A	G	-0.538	0.063	0.033	1.75E-17	0.003	0.006	0.623	0.019	72.366	TRUE	4.77E-17
FEV1FVC	MYH9	cg23015219	rs74277082	T	C	0.411	0.045	0.083	9.04E-20	0.012	0.004	0.005	0.022	82.763	TRUE	2.06E-18
FEV1FVC	MYH9	cg23015219	rs8135600	G	A	0.555	0.039	0.090	9.01E-45	0.007	0.008	0.409	0.051	196.985	TRUE	3.97E-43
FEV1FVC	NAPSA	cg08194323	rs1405655	C	T	-0.193	0.025	0.334	9.18E-15	-0.006	0.003	0.027	0.016	60.031	TRUE	7.64E-14
FEV1FVC	NAPSA	cg25286393	rs2303045	C	G	-0.281	0.025	0.323	1.11E-28	-0.005	0.003	0.036	0.032	123.383	TRUE	3.76E-27
FEV1FVC	NCK2	cg01295249	rs10180659	T	C	0.299	0.024	0.358	2.67E-35	0.000	0.003	0.862	0.040	153.633	TRUE	1.97E-34
FEV1FVC	NCK2	cg01295249	rs115511870	G	A	-0.883	0.075	0.024	1.14E-31	0.000	0.008	0.993	0.036	137.037	TRUE	5.27E-31
FEV1FVC	NCK2	cg01295249	rs116799779	A	G	0.507	0.072	0.031	2.52E-12	0.023	0.008	0.002	0.013	49.002	TRUE	2.70E-11
FEV1FVC	NCK2	cg01295249	rs13025118	A	T	-0.278	0.032	0.150	5.23E-18	-0.001	0.003	0.771	0.020	74.753	TRUE	1.26E-17
FEV1FVC	NCK2	cg01295249	rs13393585	A	G	0.288	0.030	0.194	1.64E-21	0.002	0.003	0.539	0.024	90.695	TRUE	6.51E-21
FEV1FVC	NCK2	cg01295249	rs17208505	A	C	0.587	0.023	0.425	3.15E-149	0.007	0.002	0.002	0.155	676.540	TRUE	1.92E-136
FEV1FVC	NCK2	cg01295249	rs35674772	A	G	-0.151	0.027	0.253	1.59E-08	-0.001	0.003	0.801	0.009	31.919	TRUE	2.27E-08
FEV1FVC	NCK2	cg01295249	rs62152231	G	A	0.342	0.058	0.046	3.04E-09	0.017	0.006	0.003	0.009	35.137	TRUE	2.06E-08
FEV1FVC	NCK2	cg01295249	rs72821566	G	A	-0.313	0.048	0.068	6.05E-11	-0.001	0.005	0.876	0.011	42.781	TRUE	9.05E-11
FEV1FVC	NCK2	cg01295249	rs76248503	C	T	0.204	0.037	0.119	2.39E-08	0.007	0.004	0.069	0.008	31.130	TRUE	7.88E-08
FEV1FVC	NCK2	cg01577187	rs12616493	C	T	0.136	0.023	0.448	7.42E-09	-0.005	0.002	0.025	0.009	33.404	TRUE	3.23E-08
FEV1FVC	NCK2	cg03181966	rs12476157	T	C	0.185	0.023	0.425	2.18E-15	0.008	0.002	0.002	0.017	62.863	TRUE	3.73E-14
FEV1FVC	NCK2	cg09152813	rs1007918	G	T	-0.361	0.066	0.030	4.96E-08	-0.008	0.007	0.226	0.008	29.716	TRUE	1.14E-07
FEV1FVC	NCK2	cg09152813	rs10196773	G	A	0.317	0.031	0.162	5.39E-24	0.001	0.003	0.846	0.027	102.003	TRUE	1.71E-23
FEV1FVC	NCK2	cg09152813	rs1037381	G	A	0.374	0.026	0.292	2.79E-48	0.004	0.003	0.132	0.054	213.060	TRUE	4.49E-46
FEV1FVC	NCK2	cg09152813	rs11124067	G	A	-0.238	0.033	0.392	4.32E-13	-0.004	0.003	0.176	0.014	52.465	TRUE	1.63E-12
FEV1FVC	NCK2	cg09152813	rs113406649	C	T	-0.256	0.045	0.074	1.68E-08	-0.002	0.005	0.750	0.009	31.819	TRUE	2.48E-08
FEV1FVC	NCK2	cg09152813	rs114698458	G	C	0.382	0.042	0.085	5.20E-20	0.009	0.004	0.041	0.022	83.856	TRUE	6.44E-19
FEV1FVC	NCK2	cg09152813	rs115295484	A	C	-0.402	0.040	0.101	6.58E-24	0.002	0.004	0.612	0.027	101.610	TRUE	2.84E-23
FEV1FVC	NCK2	cg09152813	rs116840679	C	G	0.341	0.054	0.038	3.29E-10	-0.006	0.006	0.277	0.011	39.475	TRUE	8.34E-10
FEV1FVC	NCK2	cg09152813	rs11684945	A	G	-0.235	0.025	0.322	1.87E-20	0.002	0.003	0.566	0.023	85.874	TRUE	6.69E-20
FEV1FVC	NCK2	cg09152813	rs11694417	T	A	0.884	0.019	0.402	<1E-200	0.007	0.002	0.005	0.361	2087.593	TRUE	<1E-200
FEV1FVC	NCK2	cg09152813	rs11896455	A	G	0.448	0.046	0.061	1.14E-22	0.000	0.005	0.945	0.025	95.961	TRUE	2.96E-22
FEV1FVC	NCK2	cg09152813	rs11900943	A	C	0.206	0.026	0.282	5.93E-15	0.004	0.003	0.154	0.016	60.891	TRUE	2.73E-14
FEV1FVC	NCK2	cg09152813	rs12712229	A	G	0.351	0.046	0.064	2.39E-14	0.000	0.005	0.964	0.015	58.149	TRUE	3.86E-14
FEV1FVC	NCK2	cg09152813	rs12994562	C	G	0.203	0.033	0.144	4.17E-10	-0.001	0.003	0.839	0.010	39.009	TRUE	6.21E-10
FEV1FVC	NCK2	cg09152813	rs13025118	A	T	-0.535	0.032	0.150	3.52E-64	-0.001	0.003	0.771	0.072	285.942	TRUE	8.05E-62
FEV1FVC	NCK2	cg09152813	rs13036199	C	A	-0.295	0.034	0.136	1.16E-17	-0.002	0.004	0.556	0.019	73.176	TRUE	3.50E-17
FEV1FVC	NCK2	cg09152813	rs13429800	G	A	0.687	0.022	0.452	8.78E-217	0.002	0.002	0.463	0.211	987.094	TRUE	4.19E-197
FEV1FVC	NCK2	cg09152813	rs145456368	A	G	-0.641	0.062	0.038	2.48E-25	-0.003	0.006	0.652	0.028	108.098	TRUE	1.13E-24
FEV1FVC	NCK2	cg09152813	rs147670809	T	C	0.614	0.058	0.045	4.11E-26	0.017	0.006	0.003	0.029	111.661	TRUE	2.58E-24
FEV1FVC	NCK2	cg09152813	rs148335434	T	G	-0.711	0.077	0.024	1.71E-20	0.000	0.008	0.967	0.023	86.052	TRUE	3.80E-20
FEV1FVC	NCK2	cg09152813	rs1615827	C	T	-0.167	0.024	0.400	4.50E-12	0.003	0.003	0.242	0.013	47.867	TRUE	1.38E-11
FEV1FVC	NCK2	cg09152813	rs17031183	C	A	-0.211	0.023	0.497	1.44E-19	0.000	0.002	0.995	0.022	81.837	TRUE	2.94E-19
FEV1FVC	NCK2	cg09152813	rs17031461	C	T	-0.502	0.071	0.024	2.17E-12	-0.002	0.008	0.842	0.013	49.293	TRUE	3.58E-12
FEV1FVC	NCK2	cg09152813	rs17031770	A	G	-0.787	0.035	0.124	8.73E-111	-0.003	0.004	0.442	0.119	499.899	TRUE	1.82E-104
FEV1FVC	NCK2	cg09152813	rs186074463	G	A	0.572	0.072	0.023	2.23E-15	-0.001	0.007	0.847	0.017	62.813	TRUE	4.27E-15

FEV1FVC	RPTOR	cg16892887	rs117763980	T	C	-0.347	0.055	0.043	2.09E-10	0.004	0.006	0.459	0.011	40.360	TRUE	4.37E-10
FEV1FVC	RPTOR	cg16892887	rs12952861	A	G	0.225	0.029	0.202	8.46E-15	-0.001	0.003	0.770	0.016	60.193	TRUE	1.69E-14
FEV1FVC	RPTOR	cg16892887	rs3751934	A	C	-0.177	0.024	0.401	1.90E-13	0.001	0.003	0.561	0.014	54.077	TRUE	4.24E-13
FEV1FVC	RPTOR	cg16892887	rs4969293	A	T	0.210	0.028	0.211	1.81E-13	0.000	0.003	0.973	0.014	54.174	TRUE	2.78E-13
FEV1FVC	RPTOR	cg16892887	rs4969323	C	G	-0.175	0.030	0.203	5.27E-09	-0.003	0.003	0.350	0.009	34.070	TRUE	1.12E-08
FEV1FVC	RPTOR	cg16892887	rs72859646	T	C	0.442	0.068	0.026	7.73E-11	0.001	0.007	0.891	0.011	42.303	TRUE	1.14E-10
FEV1FVC	RPTOR	cg16892887	rs868432	A	G	-0.152	0.023	0.444	6.52E-11	0.002	0.002	0.344	0.011	42.634	TRUE	1.61E-10
FEV1FVC	RPTOR	cg16892887	rs908236	C	G	0.462	0.024	0.351	2.49E-82	0.003	0.003	0.221	0.091	369.231	TRUE	4.83E-78
FEV1FVC	RPTOR	cg16896879	rs4969277	T	C	-0.310	0.030	0.184	1.03E-24	0.002	0.003	0.501	0.028	105.290	TRUE	5.53E-24
FEV1FVC	RPTOR	cg16918327	rs12602935	G	A	-0.255	0.025	0.309	7.74E-24	0.004	0.003	0.140	0.027	101.286	TRUE	8.24E-23
FEV1FVC	RPTOR	cg16918327	rs12943620	T	G	0.152	0.027	0.225	2.08E-08	0.004	0.003	0.203	0.008	31.398	TRUE	5.03E-08
FEV1FVC	RPTOR	cg16918327	rs9674991	A	G	0.379	0.041	0.085	6.66E-20	-0.002	0.004	0.620	0.022	83.367	TRUE	2.12E-19
FEV1FVC	RPTOR	cg16980736	rs2138118	A	C	0.158	0.024	0.483	2.52E-11	-0.003	0.002	0.304	0.012	44.495	TRUE	6.76E-11
FEV1FVC	RPTOR	cg16980736	rs2589131	A	G	-0.530	0.033	0.152	1.01E-57	-0.009	0.003	0.010	0.065	256.328	TRUE	3.13E-54
FEV1FVC	RPTOR	cg16980736	rs4889856	C	T	0.130	0.023	0.435	2.45E-08	0.003	0.002	0.290	0.008	31.087	TRUE	5.39E-08
FEV1FVC	RPTOR	cg16980736	rs55903842	A	G	0.489	0.051	0.059	7.50E-22	-0.003	0.006	0.590	0.024	92.237	TRUE	2.85E-21
FEV1FVC	RPTOR	cg16980736	rs74000592	C	T	-0.202	0.034	0.143	1.70E-09	-0.009	0.004	0.011	0.010	36.268	TRUE	9.42E-09
FEV1FVC	RPTOR	cg16980736	rs9747033	T	C	-0.329	0.059	0.040	2.73E-08	-0.006	0.006	0.300	0.008	30.872	TRUE	5.85E-08
FEV1FVC	RPTOR	cg17060157	rs12945242	G	A	0.185	0.029	0.199	2.84E-10	0.004	0.003	0.217	0.011	39.759	TRUE	7.77E-10
FEV1FVC	RPTOR	cg17060157	rs4889874	G	A	0.149	0.027	0.239	5.00E-08	-0.008	0.003	0.006	0.008	29.701	TRUE	2.55E-07
FEV1FVC	RPTOR	cg17060157	rs66508321	A	G	-0.280	0.025	0.316	1.63E-28	0.004	0.003	0.131	0.032	122.625	TRUE	2.84E-27
FEV1FVC	RPTOR	cg17180011	rs11548824	A	G	-0.219	0.034	0.154	7.21E-11	-0.001	0.003	0.812	0.011	42.439	TRUE	1.12E-10
FEV1FVC	RPTOR	cg17180011	rs12952861	A	G	0.224	0.029	0.202	1.51E-14	-0.001	0.003	0.770	0.016	59.059	TRUE	2.97E-14
FEV1FVC	RPTOR	cg17180011	rs13341197	A	C	0.299	0.050	0.080	1.67E-09	-0.006	0.005	0.210	0.010	36.306	TRUE	4.45E-09
FEV1FVC	RPTOR	cg17180011	rs183706698	C	T	-0.409	0.027	0.218	5.19E-50	-0.001	0.003	0.813	0.056	220.988	TRUE	1.79E-48
FEV1FVC	RPTOR	cg17180011	rs4969307	C	G	0.245	0.024	0.357	1.60E-23	0.003	0.003	0.221	0.026	99.850	TRUE	1.34E-22
FEV1FVC	RPTOR	cg17180011	rs62068550	A	G	-0.219	0.035	0.143	2.92E-10	-0.004	0.004	0.290	0.011	39.703	TRUE	7.32E-10
FEV1FVC	RPTOR	cg17180011	rs72859646	T	C	0.502	0.068	0.026	2.11E-13	0.001	0.007	0.891	0.014	53.870	TRUE	3.49E-13
FEV1FVC	RPTOR	cg17180011	rs9897319	A	G	-0.137	0.025	0.354	4.77E-08	-0.001	0.003	0.615	0.008	29.793	TRUE	7.64E-08
FEV1FVC	RPTOR	cg17481637	rs111174331	A	G	-0.967	0.026	0.189	<1E-200	-0.007	0.003	0.029	0.279	1428.138	TRUE	2.12E-273
FEV1FVC	RPTOR	cg17481637	rs113943264	A	C	-0.810	0.108	0.014	5.08E-14	-0.018	0.009	0.049	0.015	56.667	TRUE	3.22E-13
FEV1FVC	RPTOR	cg17481637	rs116989815	T	A	-0.576	0.100	0.035	9.75E-09	0.005	0.006	0.384	0.009	32.873	TRUE	1.97E-08
FEV1FVC	RPTOR	cg17481637	rs117878919	A	G	0.309	0.055	0.092	1.58E-08	0.006	0.004	0.115	0.009	31.933	TRUE	4.58E-08
FEV1FVC	RPTOR	cg17481637	rs118179825	G	C	-0.577	0.105	0.012	4.31E-08	-0.008	0.009	0.419	0.008	29.990	TRUE	8.05E-08
FEV1FVC	RPTOR	cg17481637	rs12943041	A	G	0.234	0.039	0.210	1.61E-09	0.005	0.003	0.068	0.010	36.376	TRUE	6.07E-09
FEV1FVC	RPTOR	cg17481637	rs1564868	C	T	0.196	0.024	0.432	1.29E-16	0.003	0.003	0.212	0.018	68.429	TRUE	5.96E-16
FEV1FVC	RPTOR	cg17481637	rs2589133	G	A	0.252	0.023	0.457	3.09E-27	0.000	0.002	0.893	0.031	116.789	TRUE	1.16E-26
FEV1FVC	RPTOR	cg17481637	rs2589143	T	G	0.171	0.029	0.215	2.34E-09	0.000	0.003	0.885	0.010	35.644	TRUE	3.22E-09
FEV1FVC	RPTOR	cg17481637	rs56179246	G	A	-0.405	0.045	0.075	1.51E-19	-0.008	0.005	0.118	0.022	81.757	TRUE	1.20E-18
FEV1FVC	RPTOR	cg17481637	rs74001037	G	A	-0.226	0.031	0.172	2.56E-13	0.000	0.003	0.944	0.014	53.488	TRUE	4.00E-13
FEV1FVC	RPTOR	cg17628491	rs11651493	G	A	0.211	0.023	0.467	1.03E-19	0.003	0.002	0.304	0.022	82.506	TRUE	5.22E-19
FEV1FVC	RPTOR	cg17628491	rs118120008	A	G	-0.663	0.104	0.013	1.83E-10	-0.013	0.010	0.179	0.011	40.621	TRUE	5.53E-10

FEV1FVC	RPTOR	cg17628491	rs12952861	A	G	-0.290	0.029	0.202	2.13E-23	-0.001	0.003	0.770	0.026	99.279	TRUE	7.26E-23
FEV1FVC	RPTOR	cg17628491	rs13341621	A	G	-0.373	0.050	0.080	7.91E-14	-0.006	0.005	0.186	0.015	55.799	TRUE	3.10E-13
FEV1FVC	RPTOR	cg17628491	rs142546211	A	G	-0.935	0.108	0.019	6.21E-18	0.001	0.008	0.929	0.020	74.413	TRUE	1.24E-17
FEV1FVC	RPTOR	cg17628491	rs143673290	A	G	-0.502	0.089	0.039	1.76E-08	0.002	0.007	0.790	0.009	31.726	TRUE	2.52E-08
FEV1FVC	RPTOR	cg17628491	rs149099062	A	G	-0.972	0.140	0.015	3.42E-12	0.004	0.010	0.647	0.013	48.407	TRUE	6.59E-12
FEV1FVC	RPTOR	cg17628491	rs2289764	C	T	-1.140	0.020	0.241	<1E-200	0.000	0.003	0.943	0.466	3226.955	TRUE	<1E-200
FEV1FVC	RPTOR	cg17628491	rs4075839	G	A	-0.134	0.024	0.397	2.38E-08	-0.007	0.003	0.006	0.008	31.139	TRUE	1.25E-07
FEV1FVC	RPTOR	cg17628491	rs4969307	C	G	-0.290	0.024	0.357	1.54E-32	0.003	0.003	0.221	0.037	141.007	TRUE	3.04E-31
FEV1FVC	RPTOR	cg17628491	rs56273414	C	T	-0.234	0.033	0.146	2.09E-12	0.006	0.003	0.067	0.013	49.367	TRUE	1.04E-11
FEV1FVC	RPTOR	cg17628491	rs62068550	A	G	0.278	0.035	0.143	1.01E-15	-0.004	0.004	0.290	0.017	64.381	TRUE	3.79E-15
FEV1FVC	RPTOR	cg17628491	rs6565489	A	C	-0.402	0.023	0.455	7.29E-67	-0.001	0.002	0.671	0.075	298.255	TRUE	2.91E-64
FEV1FVC	RPTOR	cg17628491	rs72853711	C	T	-0.219	0.037	0.115	3.05E-09	0.008	0.004	0.035	0.009	35.133	TRUE	1.28E-08
FEV1FVC	RPTOR	cg17628491	rs72859646	T	C	-0.942	0.068	0.026	4.51E-44	0.001	0.007	0.891	0.050	193.782	TRUE	7.36E-43
FEV1FVC	RPTOR	cg17628491	rs7502314	C	G	-0.174	0.030	0.188	7.48E-09	-0.001	0.003	0.864	0.009	33.387	TRUE	1.02E-08
FEV1FVC	RPTOR	cg17628491	rs77183052	A	G	-1.147	0.170	0.012	1.38E-11	-0.030	0.011	0.004	0.012	45.677	TRUE	1.21E-10
FEV1FVC	RPTOR	cg17628491	rs78990810	T	C	-0.830	0.149	0.014	2.37E-08	0.009	0.011	0.414	0.008	31.152	TRUE	4.51E-08
FEV1FVC	RPTOR	cg17628491	rs8070259	T	C	-0.159	0.028	0.238	8.19E-09	0.002	0.003	0.565	0.009	33.212	TRUE	1.39E-08
FEV1FVC	RPTOR	cg17831694	rs11548824	A	G	0.185	0.034	0.154	3.75E-08	-0.001	0.003	0.812	0.008	30.261	TRUE	5.15E-08
FEV1FVC	RPTOR	cg17831694	rs2672878	T	C	0.196	0.026	0.263	8.28E-14	-0.003	0.003	0.332	0.015	55.708	TRUE	2.52E-13
FEV1FVC	RPTOR	cg17831694	rs4969319	T	C	-0.295	0.027	0.275	1.46E-28	-0.003	0.003	0.338	0.032	122.840	TRUE	1.41E-27
FEV1FVC	RPTOR	cg17831694	rs6565519	C	T	0.142	0.023	0.467	1.00E-09	-0.002	0.002	0.373	0.010	37.304	TRUE	2.22E-09
FEV1FVC	RPTOR	cg17831694	rs7209116	G	A	-0.410	0.023	0.444	1.20E-71	-0.004	0.002	0.077	0.080	320.196	TRUE	9.72E-68
FEV1FVC	RPTOR	cg17831694	rs8077305	T	A	-0.167	0.030	0.212	1.71E-08	0.006	0.003	0.058	0.009	31.786	TRUE	5.92E-08
FEV1FVC	RPTOR	cg17831694	rs9913906	G	A	0.207	0.036	0.124	1.01E-08	0.002	0.004	0.555	0.009	32.807	TRUE	1.74E-08
FEV1FVC	RPTOR	cg17906851	rs111702737	T	C	-0.354	0.062	0.037	1.10E-08	0.001	0.007	0.833	0.009	32.642	TRUE	1.53E-08
FEV1FVC	RPTOR	cg17906851	rs113059224	A	G	-0.269	0.043	0.070	4.38E-10	0.004	0.004	0.326	0.010	38.913	TRUE	1.03E-09
FEV1FVC	RPTOR	cg17906851	rs1137045	G	A	0.136	0.023	0.472	4.58E-09	0.001	0.003	0.609	0.009	34.342	TRUE	7.75E-09
FEV1FVC	RPTOR	cg17906851	rs113714895	T	C	-0.541	0.043	0.080	4.50E-37	0.000	0.004	0.918	0.042	161.747	TRUE	3.60E-36
FEV1FVC	RPTOR	cg17906851	rs139078473	A	G	0.425	0.051	0.052	8.45E-17	0.005	0.005	0.309	0.018	69.264	TRUE	3.35E-16
FEV1FVC	RPTOR	cg17906851	rs148868186	A	G	-0.610	0.094	0.016	1.02E-10	-0.010	0.010	0.325	0.011	41.759	TRUE	2.54E-10
FEV1FVC	RPTOR	cg17906851	rs2289763	G	C	0.267	0.036	0.119	2.68E-13	0.000	0.004	0.975	0.014	53.403	TRUE	4.07E-13
FEV1FVC	RPTOR	cg17906851	rs35439443	A	G	-0.774	0.068	0.033	4.09E-30	-0.004	0.007	0.524	0.034	129.932	TRUE	3.32E-29
FEV1FVC	RPTOR	cg17906851	rs4969350	G	A	0.217	0.032	0.172	7.32E-12	0.006	0.003	0.059	0.013	46.915	TRUE	3.58E-11
FEV1FVC	RPTOR	cg17906851	rs6565505	C	T	0.564	0.026	0.273	6.56E-104	-0.003	0.003	0.321	0.112	468.317	TRUE	4.71E-98
FEV1FVC	RPTOR	cg17906851	rs7223939	G	A	0.133	0.024	0.399	2.22E-08	0.009	0.002	2.96E-04	0.008	31.275	TRUE	1.92E-07
FEV1FVC	RPTOR	cg17906851	rs72850524	T	C	0.471	0.064	0.037	1.56E-13	0.003	0.006	0.623	0.015	54.467	TRUE	3.33E-13
FEV1FVC	RPTOR	cg17906851	rs72859646	T	C	0.441	0.068	0.026	1.14E-10	0.001	0.007	0.891	0.011	41.541	TRUE	1.66E-10
FEV1FVC	RPTOR	cg17906851	rs74387351	A	C	-0.479	0.041	0.102	5.71E-31	0.005	0.004	0.217	0.035	133.841	TRUE	9.45E-30
FEV1FVC	RPTOR	cg17906851	rs7502563	A	G	-1.075	0.017	0.391	<1E-200	0.000	0.002	0.902	0.532	4204.107	TRUE	<1E-200
FEV1FVC	RPTOR	cg17906851	rs7502841	A	G	0.453	0.027	0.232	3.06E-62	-0.001	0.003	0.857	0.070	277.053	TRUE	4.37E-60
FEV1FVC	RPTOR	cg17906851	rs77734083	A	G	0.506	0.090	0.018	1.88E-08	0.016	0.008	0.053	0.008	31.598	TRUE	6.58E-08
FEV1FVC	RPTOR	cg17906851	rs8081382	A	T	0.165	0.024	0.391	6.76E-12	0.004	0.003	0.157	0.013	47.069	TRUE	2.45E-11

FEV1FVC	RPTOR	cg17906851	rs868432	A	G	-0.331	0.023	0.444	1.86E-46	0.002	0.002	0.344	0.052	204.697	TRUE	1.18E-44
FEV1FVC	RPTOR	cg17956530	rs1040127	T	C	-0.234	0.035	0.138	1.17E-11	-0.005	0.004	0.138	0.012	45.994	TRUE	4.29E-11
FEV1FVC	RPTOR	cg17956530	rs10931	G	A	-0.301	0.036	0.254	1.31E-16	-0.003	0.003	0.290	0.018	68.397	TRUE	5.19E-16
FEV1FVC	RPTOR	cg17956530	rs4255830	G	A	0.275	0.024	0.464	1.66E-31	-0.002	0.002	0.415	0.036	136.287	TRUE	1.89E-30
FEV1FVC	RPTOR	cg17956530	rs4516281	T	C	0.246	0.044	0.076	2.37E-08	0.006	0.005	0.200	0.008	31.151	TRUE	5.76E-08
FEV1FVC	RPTOR	cg17956530	rs4555197	G	C	-0.257	0.027	0.243	3.55E-21	0.000	0.003	0.929	0.024	89.159	TRUE	8.75E-21
FEV1FVC	RPTOR	cg17956530	rs4889782	C	T	0.215	0.024	0.402	1.46E-18	-0.002	0.003	0.546	0.020	77.265	TRUE	4.68E-18
FEV1FVC	RPTOR	cg17956530	rs4969226	G	A	-0.229	0.035	0.129	6.09E-11	-0.004	0.004	0.269	0.011	42.769	TRUE	1.66E-10
FEV1FVC	RPTOR	cg17956530	rs56179246	G	A	-0.719	0.044	0.075	2.97E-59	-0.008	0.005	0.118	0.066	263.354	TRUE	2.48E-56
FEV1FVC	RPTOR	cg17956530	rs72853711	C	T	-0.343	0.037	0.115	9.15E-21	0.008	0.004	0.035	0.023	87.291	TRUE	1.29E-19
FEV1FVC	RPTOR	cg17956530	rs72853757	C	T	-0.197	0.033	0.146	2.83E-09	0.007	0.003	0.061	0.009	35.276	TRUE	1.07E-08
FEV1FVC	RPTOR	cg17956530	rs74001037	G	A	-0.294	0.031	0.172	2.51E-21	0.000	0.003	0.944	0.024	89.850	TRUE	5.99E-21
FEV1FVC	RPTOR	cg17956530	rs76473598	G	C	-1.119	0.161	0.012	3.40E-12	-0.004	0.010	0.703	0.013	48.417	TRUE	6.26E-12
FEV1FVC	RPTOR	cg17956530	rs79641221	G	A	-1.429	0.038	0.078	<1E-200	0.002	0.005	0.724	0.281	1445.230	TRUE	5.26E-279
FEV1FVC	RPTOR	cg18091083	rs118179825	G	C	-1.213	0.105	0.012	7.60E-31	-0.008	0.009	0.419	0.035	133.272	TRUE	7.88E-30
FEV1FVC	RPTOR	cg18091083	rs1567961	C	T	0.159	0.024	0.392	2.33E-11	0.005	0.003	0.064	0.012	44.645	TRUE	1.04E-10
FEV1FVC	RPTOR	cg18091083	rs2048753	A	G	-0.249	0.026	0.250	5.11E-21	0.002	0.003	0.381	0.023	88.440	TRUE	2.51E-20
FEV1FVC	RPTOR	cg18091083	rs2138117	A	G	-0.195	0.024	0.402	5.53E-16	-0.005	0.003	0.046	0.017	65.564	TRUE	4.24E-15
FEV1FVC	RPTOR	cg18091083	rs55737346	C	T	-0.534	0.073	0.034	2.34E-13	-0.012	0.006	0.060	0.014	53.663	TRUE	1.30E-12
FEV1FVC	RPTOR	cg18091083	rs73368831	C	A	-1.433	0.051	0.045	1.22E-173	-0.008	0.005	0.120	0.176	788.744	TRUE	2.55E-159
FEV1FVC	RPTOR	cg18413339	rs12602885	A	G	-0.312	0.029	0.201	7.57E-28	0.003	0.003	0.337	0.031	119.579	TRUE	7.10E-27
FEV1FVC	RPTOR	cg18425700	rs113059224	A	G	-0.314	0.043	0.070	3.16E-13	0.004	0.004	0.326	0.014	53.078	TRUE	9.30E-13
FEV1FVC	RPTOR	cg18425700	rs113335931	G	A	0.270	0.032	0.150	8.99E-17	0.000	0.003	0.908	0.018	69.142	TRUE	1.74E-16
FEV1FVC	RPTOR	cg18425700	rs113714895	T	C	-0.424	0.043	0.080	2.62E-23	0.000	0.004	0.918	0.026	98.870	TRUE	7.33E-23
FEV1FVC	RPTOR	cg18425700	rs139078473	A	G	0.362	0.051	0.052	1.33E-12	0.005	0.005	0.309	0.013	50.255	TRUE	3.86E-12
FEV1FVC	RPTOR	cg18425700	rs2271610	G	C	0.410	0.033	0.135	1.16E-34	0.001	0.004	0.853	0.039	150.710	TRUE	8.50E-34
FEV1FVC	RPTOR	cg18425700	rs36022926	T	A	0.155	0.027	0.250	1.01E-08	0.000	0.003	0.974	0.009	32.807	TRUE	1.28E-08
FEV1FVC	RPTOR	cg18425700	rs4969236	C	T	-0.271	0.023	0.495	5.66E-31	0.002	0.002	0.489	0.035	133.856	TRUE	5.33E-30
FEV1FVC	RPTOR	cg18425700	rs4969238	C	T	0.175	0.024	0.379	5.30E-13	0.002	0.003	0.537	0.014	52.062	TRUE	1.18E-12
FEV1FVC	RPTOR	cg18425700	rs55980793	C	T	-0.334	0.047	0.076	9.30E-13	-0.005	0.005	0.277	0.014	50.958	TRUE	2.86E-12
FEV1FVC	RPTOR	cg18425700	rs56412625	G	A	0.153	0.027	0.250	1.10E-08	-0.001	0.003	0.719	0.009	32.639	TRUE	1.67E-08
FEV1FVC	RPTOR	cg18425700	rs6565524	T	C	-0.249	0.040	0.098	6.08E-10	0.001	0.004	0.788	0.010	38.274	TRUE	9.26E-10
FEV1FVC	RPTOR	cg18425700	rs71368095	A	G	-0.487	0.027	0.219	2.18E-70	-0.001	0.003	0.686	0.078	314.425	TRUE	1.43E-67
FEV1FVC	RPTOR	cg18425700	rs7502563	A	G	-0.902	0.020	0.391	<1E-200	0.000	0.002	0.902	0.352	2010.044	TRUE	<1E-200
FEV1FVC	RPTOR	cg18425700	rs78595627	T	C	-0.231	0.042	0.102	3.49E-08	0.005	0.004	0.219	0.008	30.398	TRUE	8.20E-08
FEV1FVC	RPTOR	cg18425700	rs8081382	A	T	0.141	0.024	0.391	4.77E-09	0.004	0.003	0.157	0.009	34.261	TRUE	1.36E-08
FEV1FVC	RPTOR	cg18425700	rs868432	A	G	-0.303	0.023	0.444	4.15E-39	0.002	0.002	0.344	0.044	171.059	TRUE	1.16E-37
FEV1FVC	RPTOR	cg18562896	rs7221927	C	T	0.146	0.024	0.354	1.83E-09	0.001	0.003	0.710	0.010	36.122	TRUE	2.89E-09
FEV1FVC	RPTOR	cg18607849	rs35904260	G	A	-0.144	0.023	0.445	5.33E-10	-0.003	0.002	0.164	0.010	38.530	TRUE	1.62E-09
FEV1FVC	RPTOR	cg18607849	rs62069420	A	T	-0.830	0.050	0.058	5.35E-63	-0.003	0.006	0.625	0.070	280.523	TRUE	1.38E-60
FEV1FVC	RPTOR	cg18612040	rs908236	C	G	-0.181	0.025	0.351	2.11E-13	0.003	0.003	0.221	0.014	53.870	TRUE	7.57E-13
FEV1FVC	RPTOR	cg18758433	rs11150746	G	A	0.143	0.025	0.332	9.06E-09	0.004	0.003	0.099	0.009	33.015	TRUE	2.87E-08

FEV1FVC	RPTOR	cg18758433	rs112094234	A	G	0.268	0.029	0.202	2.58E-20	-0.009	0.003	0.003	0.023	85.240	TRUE	7.31E-19
FEV1FVC	RPTOR	cg18758433	rs118179825	G	C	0.839	0.105	0.012	1.44E-15	-0.008	0.009	0.419	0.017	63.675	TRUE	4.43E-15
FEV1FVC	RPTOR	cg18758433	rs12601434	G	C	-0.312	0.027	0.234	6.97E-31	0.000	0.003	0.980	0.035	133.445	TRUE	3.11E-30
FEV1FVC	RPTOR	cg18758433	rs12943620	T	G	-0.161	0.027	0.225	3.09E-09	0.004	0.003	0.203	0.009	35.105	TRUE	7.98E-09
FEV1FVC	RPTOR	cg18758433	rs35675302	C	T	0.416	0.024	0.415	3.62E-69	-0.002	0.002	0.531	0.077	308.823	TRUE	2.85E-66
FEV1FVC	RPTOR	cg18758433	rs71368067	C	T	-0.315	0.042	0.085	3.89E-14	0.003	0.004	0.493	0.015	57.192	TRUE	9.96E-14
FEV1FVC	RPTOR	cg18780100	rs117429647	G	A	-0.451	0.061	0.039	1.48E-13	-0.004	0.006	0.504	0.015	54.566	TRUE	3.60E-13
FEV1FVC	RPTOR	cg18780100	rs28617259	A	G	-0.218	0.036	0.119	1.37E-09	0.009	0.004	0.023	0.010	36.696	TRUE	6.66E-09
FEV1FVC	RPTOR	cg18780100	rs62067893	T	C	-0.427	0.070	0.037	8.79E-10	0.003	0.007	0.625	0.010	37.556	TRUE	1.52E-09
FEV1FVC	RPTOR	cg18780100	rs7225574	T	G	-0.156	0.027	0.273	7.27E-09	0.004	0.003	0.189	0.009	33.443	TRUE	1.92E-08
FEV1FVC	RPTOR	cg18780100	rs8071397	A	G	-0.445	0.025	0.333	1.54E-71	-0.004	0.003	0.140	0.080	319.702	TRUE	7.05E-68
FEV1FVC	RPTOR	cg18780100	rs8073420	C	T	-0.144	0.024	0.408	1.57E-09	0.003	0.003	0.164	0.010	36.422	TRUE	4.45E-09
FEV1FVC	RPTOR	cg18780100	rs9906827	T	C	-0.137	0.024	0.455	7.07E-09	0.003	0.002	0.207	0.009	33.497	TRUE	1.78E-08
FEV1FVC	RPTOR	cg18780100	rs9915667	A	G	0.178	0.024	0.438	4.64E-14	-0.005	0.002	0.025	0.015	56.844	TRUE	3.61E-13
FEV1FVC	RPTOR	cg19060120	rs139078473	A	G	0.344	0.051	0.052	1.72E-11	0.005	0.005	0.309	0.012	45.247	TRUE	4.59E-11
FEV1FVC	RPTOR	cg19060120	rs2672878	T	C	0.192	0.026	0.263	3.09E-13	-0.003	0.003	0.332	0.014	53.123	TRUE	9.02E-13
FEV1FVC	RPTOR	cg19060120	rs34781048	A	G	0.164	0.024	0.434	8.07E-12	0.000	0.002	0.924	0.012	46.724	TRUE	1.19E-11
FEV1FVC	RPTOR	cg19060120	rs4969226	G	A	-0.397	0.035	0.129	3.10E-30	-0.004	0.004	0.269	0.034	130.485	TRUE	4.22E-29
FEV1FVC	RPTOR	cg19060120	rs72850576	A	C	-0.185	0.033	0.155	1.48E-08	0.003	0.003	0.457	0.009	32.058	TRUE	2.78E-08
FEV1FVC	RPTOR	cg19292222	rs113314481	A	G	-0.490	0.076	0.021	1.26E-10	-0.013	0.008	0.108	0.011	41.353	TRUE	4.55E-10
FEV1FVC	RPTOR	cg19292222	rs11655877	C	T	-0.234	0.023	0.406	2.02E-23	0.002	0.002	0.545	0.026	99.388	TRUE	9.37E-23
FEV1FVC	RPTOR	cg19292222	rs13341621	A	G	0.328	0.050	0.080	5.55E-11	-0.006	0.005	0.186	0.011	42.949	TRUE	1.73E-10
FEV1FVC	RPTOR	cg19292222	rs148868186	A	G	-0.983	0.094	0.016	9.13E-26	-0.010	0.010	0.325	0.029	110.081	TRUE	7.30E-25
FEV1FVC	RPTOR	cg19292222	rs2289766	G	A	0.706	0.031	0.167	7.78E-117	-0.001	0.003	0.754	0.125	527.692	TRUE	2.27E-110
FEV1FVC	RPTOR	cg19292222	rs34310694	T	C	-0.389	0.068	0.035	8.60E-09	-0.010	0.007	0.130	0.009	33.116	TRUE	2.48E-08
FEV1FVC	RPTOR	cg19292222	rs6420478	G	A	-0.316	0.023	0.498	2.15E-43	0.000	0.002	0.885	0.049	190.676	TRUE	3.22E-42
FEV1FVC	RPTOR	cg19292222	rs72857988	T	C	-1.289	0.048	0.050	6.58E-160	0.000	0.005	0.996	0.164	725.624	TRUE	4.58E-149
FEV1FVC	RPTOR	cg19296258	rs7219318	T	C	0.209	0.023	0.441	9.32E-20	-0.004	0.002	0.076	0.022	82.705	TRUE	9.04E-19
FEV1FVC	RPTOR	cg19394169	rs11548824	A	G	0.228	0.034	0.154	1.14E-11	-0.001	0.003	0.812	0.012	46.047	TRUE	1.84E-11
FEV1FVC	RPTOR	cg19394169	rs2672878	T	C	0.303	0.026	0.263	5.36E-31	-0.003	0.003	0.332	0.035	133.965	TRUE	6.68E-30
FEV1FVC	RPTOR	cg19394169	rs4969229	T	C	-0.691	0.081	0.050	9.74E-18	0.003	0.005	0.622	0.019	73.524	TRUE	2.71E-17
FEV1FVC	RPTOR	cg19394169	rs4969300	A	G	-0.540	0.035	0.120	1.03E-53	-0.001	0.004	0.863	0.060	237.963	TRUE	4.97E-52
FEV1FVC	RPTOR	cg19394169	rs4969323	C	G	-0.255	0.030	0.203	2.72E-17	-0.003	0.003	0.350	0.019	71.502	TRUE	1.05E-16
FEV1FVC	RPTOR	cg19394169	rs547581211	A	T	0.341	0.059	0.036	6.11E-09	-0.009	0.006	0.117	0.009	33.782	TRUE	1.83E-08
FEV1FVC	RPTOR	cg19394169	rs56960771	T	C	0.170	0.025	0.310	1.73E-11	0.002	0.003	0.441	0.012	45.232	TRUE	3.93E-11
FEV1FVC	RPTOR	cg19394169	rs6565522	A	G	-0.390	0.027	0.255	1.02E-46	0.001	0.003	0.849	0.053	205.905	TRUE	2.30E-45
FEV1FVC	RPTOR	cg19394169	rs7209380	A	G	0.539	0.038	0.105	6.93E-45	0.004	0.004	0.296	0.051	197.506	TRUE	4.14E-43
FEV1FVC	RPTOR	cg19394169	rs7503237	G	A	-0.939	0.017	0.449	<1E-200	-0.005	0.002	0.045	0.441	2922.027	TRUE	<1E-200
FEV1FVC	RPTOR	cg19394169	rs908235	A	G	0.423	0.030	0.191	2.70E-44	0.001	0.003	0.804	0.050	194.802	TRUE	5.28E-43
FEV1FVC	RPTOR	cg19394169	rs9903399	C	T	0.231	0.041	0.222	1.56E-08	-0.003	0.003	0.258	0.009	31.960	TRUE	3.60E-08
FEV1FVC	RPTOR	cg19707379	rs2333982	T	C	0.351	0.024	0.320	7.16E-47	0.001	0.003	0.842	0.053	206.602	TRUE	1.68E-45
FEV1FVC	RPTOR	cg19707379	rs2589129	A	G	0.127	0.023	0.487	2.72E-08	-0.001	0.002	0.600	0.008	30.878	TRUE	4.47E-08

FEV1FVC	RPTOR	cg19857461	rs62068268	T	C	-0.436	0.040	0.090	2.60E-27	-0.002	0.004	0.618	0.031	117.133	TRUE	1.44E-26
FEV1FVC	RPTOR	cg19857461	rs72853711	C	T	-0.212	0.036	0.115	5.85E-09	0.008	0.004	0.035	0.009	33.866	TRUE	2.38E-08
FEV1FVC	RPTOR	cg20462129	rs55903842	A	G	-0.309	0.050	0.059	6.78E-10	-0.003	0.006	0.590	0.010	38.061	TRUE	1.21E-09
FEV1FVC	RPTOR	cg20462129	rs9915667	A	G	-0.140	0.023	0.438	1.62E-09	-0.005	0.002	0.025	0.010	36.364	TRUE	7.62E-09
FEV1FVC	RPTOR	cg20500836	rs2589158	G	A	0.195	0.029	0.190	2.83E-11	-0.007	0.003	0.029	0.012	44.267	TRUE	1.53E-10
FEV1FVC	RPTOR	cg20500836	rs35904260	G	A	-0.174	0.023	0.445	4.31E-14	-0.003	0.002	0.164	0.015	56.992	TRUE	1.85E-13
FEV1FVC	RPTOR	cg20500836	rs8064563	C	T	-0.667	0.056	0.053	3.17E-33	0.009	0.006	0.133	0.038	144.150	TRUE	8.89E-32
FEV1FVC	RPTOR	cg20500836	rs908241	A	G	-0.264	0.047	0.129	1.77E-08	0.002	0.004	0.563	0.009	31.717	TRUE	3.00E-08
FEV1FVC	RPTOR	cg20502501	rs10468605	C	T	1.016	0.017	0.407	<1E-200	-0.005	0.003	0.041	0.488	3524.466	TRUE	<1E-200
FEV1FVC	RPTOR	cg20502501	rs11651724	A	G	-0.262	0.037	0.117	1.59E-12	0.006	0.004	0.137	0.013	49.906	TRUE	6.23E-12
FEV1FVC	RPTOR	cg20502501	rs117209908	A	G	0.545	0.050	0.059	2.06E-27	-0.006	0.005	0.238	0.031	117.598	TRUE	2.30E-26
FEV1FVC	RPTOR	cg20502501	rs2063785	G	A	-0.264	0.039	0.208	1.79E-11	0.006	0.003	0.057	0.012	45.166	TRUE	8.24E-11
FEV1FVC	RPTOR	cg20502501	rs2589131	A	G	-0.258	0.034	0.152	1.64E-14	-0.009	0.003	0.010	0.016	58.887	TRUE	1.73E-13
FEV1FVC	RPTOR	cg20502501	rs4077719	G	T	-0.192	0.025	0.278	4.93E-14	0.006	0.003	0.027	0.015	56.727	TRUE	3.77E-13
FEV1FVC	RPTOR	cg20502501	rs4969426	A	T	-0.179	0.024	0.375	6.79E-14	0.000	0.003	0.906	0.015	56.097	TRUE	1.13E-13
FEV1FVC	RPTOR	cg20502501	rs55903842	A	G	0.580	0.051	0.059	5.85E-30	-0.003	0.006	0.590	0.034	129.225	TRUE	4.18E-29
FEV1FVC	RPTOR	cg20502501	rs60024815	T	A	-0.365	0.027	0.251	8.50E-43	0.003	0.003	0.292	0.048	187.943	TRUE	4.11E-41
FEV1FVC	RPTOR	cg20502501	rs62068339	G	T	0.480	0.041	0.092	6.37E-32	-0.003	0.004	0.505	0.036	138.193	TRUE	6.23E-31
FEV1FVC	RPTOR	cg20502501	rs7226296	G	A	-0.157	0.024	0.491	2.96E-11	0.003	0.002	0.192	0.012	44.178	TRUE	9.26E-11
FEV1FVC	RPTOR	cg20502501	rs73368831	C	A	0.627	0.053	0.045	7.12E-32	-0.008	0.005	0.120	0.036	137.973	TRUE	1.86E-30
FEV1FVC	RPTOR	cg20502501	rs77591050	T	C	0.571	0.045	0.077	3.14E-37	0.004	0.005	0.408	0.042	162.462	TRUE	6.26E-36
FEV1FVC	RPTOR	cg20502501	rs9911574	G	A	0.339	0.024	0.409	3.72E-46	0.002	0.003	0.443	0.052	203.321	TRUE	1.74E-44
FEV1FVC	RPTOR	cg20758492	rs9894515	T	A	-0.363	0.058	0.041	4.72E-10	-0.006	0.006	0.290	0.010	38.767	TRUE	1.17E-09
FEV1FVC	RPTOR	cg20937981	rs118107399	T	C	0.837	0.149	0.014	1.83E-08	-0.004	0.012	0.723	0.008	31.647	TRUE	2.75E-08
FEV1FVC	RPTOR	cg20937981	rs1471791	A	G	0.494	0.029	0.199	1.95E-64	-0.010	0.003	0.001	0.072	287.126	TRUE	4.77E-60
FEV1FVC	RPTOR	cg20937981	rs3923310	G	A	0.156	0.025	0.334	2.13E-10	-0.006	0.003	0.031	0.011	40.326	TRUE	1.07E-09
FEV1FVC	RPTOR	cg20937981	rs67249748	A	G	0.142	0.024	0.418	2.14E-09	-0.004	0.002	0.147	0.010	35.825	TRUE	6.32E-09
FEV1FVC	RPTOR	cg20937981	rs8069295	C	T	-0.287	0.026	0.293	5.81E-29	0.005	0.003	0.046	0.033	124.669	TRUE	1.86E-27
FEV1FVC	RPTOR	cg21143224	rs11150746	G	A	0.283	0.025	0.332	1.17E-30	0.004	0.003	0.099	0.035	132.425	TRUE	3.07E-29
FEV1FVC	RPTOR	cg21143224	rs11150747	T	C	0.231	0.027	0.249	1.77E-17	0.001	0.003	0.702	0.019	72.347	TRUE	4.44E-17
FEV1FVC	RPTOR	cg21143224	rs11150865	T	C	-0.945	0.024	0.231	<1E-200	0.003	0.003	0.325	0.304	1614.509	TRUE	7.90E-307
FEV1FVC	RPTOR	cg21143224	rs112803228	A	G	-0.886	0.106	0.031	4.76E-17	0.006	0.007	0.385	0.019	70.396	TRUE	1.70E-16
FEV1FVC	RPTOR	cg21143224	rs118011999	A	G	-0.866	0.114	0.024	3.31E-14	0.008	0.008	0.303	0.015	57.513	TRUE	1.09E-13
FEV1FVC	RPTOR	cg21143224	rs2672901	T	C	0.143	0.024	0.353	5.55E-09	-0.002	0.003	0.365	0.009	33.969	TRUE	1.17E-08
FEV1FVC	RPTOR	cg21143224	rs4072746	T	C	0.215	0.038	0.115	1.62E-08	-0.003	0.004	0.397	0.009	31.890	TRUE	3.22E-08
FEV1FVC	RPTOR	cg21143224	rs4426398	T	C	-0.415	0.033	0.139	1.31E-35	0.002	0.004	0.548	0.040	155.050	TRUE	1.67E-34
FEV1FVC	RPTOR	cg21143224	rs4555197	G	C	0.262	0.027	0.243	5.03E-22	0.000	0.003	0.929	0.025	93.025	TRUE	1.31E-21
FEV1FVC	RPTOR	cg21143224	rs7211373	C	T	-0.583	0.058	0.042	7.27E-24	-0.006	0.006	0.321	0.027	101.411	TRUE	4.91E-23
FEV1FVC	RPTOR	cg21143224	rs72851570	T	C	0.346	0.025	0.305	1.08E-42	0.004	0.003	0.140	0.048	187.472	TRUE	8.47E-41
FEV1FVC	RPTOR	cg21143224	rs72853711	C	T	0.227	0.037	0.115	6.55E-10	0.008	0.004	0.035	0.010	38.129	TRUE	2.96E-09
FEV1FVC	RPTOR	cg21143224	rs72858219	A	G	0.266	0.028	0.212	7.31E-21	0.005	0.003	0.113	0.023	87.734	TRUE	6.80E-20
FEV1FVC	RPTOR	cg21143224	rs74003912	A	G	0.221	0.029	0.199	5.75E-14	-0.005	0.003	0.105	0.015	56.424	TRUE	2.82E-13

FEV1FVC	RPTOR	cg21143224	rs9895186	C	T	0.264	0.029	0.199	2.29E-19	-0.010	0.003	0.001	0.021	80.923	TRUE	7.41E-18
FEV1FVC	RPTOR	cg21507958	rs11150747	T	C	-0.174	0.027	0.249	1.79E-10	0.001	0.003	0.702	0.011	40.656	TRUE	3.04E-10
FEV1FVC	RPTOR	cg21507958	rs118179825	G	C	-0.836	0.105	0.012	2.07E-15	-0.008	0.009	0.419	0.017	62.965	TRUE	6.28E-15
FEV1FVC	RPTOR	cg21507958	rs2048753	A	G	-0.206	0.026	0.250	5.84E-15	0.002	0.003	0.381	0.016	60.923	TRUE	1.83E-14
FEV1FVC	RPTOR	cg21507958	rs72490479	G	A	-0.204	0.024	0.410	9.71E-18	-0.005	0.003	0.045	0.019	73.530	TRUE	8.88E-17
FEV1FVC	RPTOR	cg21507958	rs73368831	C	A	-1.228	0.052	0.045	8.50E-124	-0.008	0.005	0.120	0.131	559.674	TRUE	1.83E-115
FEV1FVC	RPTOR	cg21831512	rs55803650	A	C	-0.995	0.092	0.017	2.00E-27	0.005	0.009	0.562	0.031	117.654	TRUE	1.21E-26
FEV1FVC	RPTOR	cg21831512	rs77734083	A	G	1.010	0.089	0.018	1.10E-29	0.016	0.008	0.053	0.033	127.980	TRUE	3.38E-28
FEV1FVC	RPTOR	cg22091236	rs2280144	G	A	0.241	0.028	0.221	9.78E-18	-0.001	0.003	0.810	0.019	73.517	TRUE	2.20E-17
FEV1FVC	RPTOR	cg22091236	rs370668001	G	A	-0.252	0.026	0.257	1.09E-21	-0.001	0.003	0.686	0.024	91.490	TRUE	3.65E-21
FEV1FVC	RPTOR	cg22255288	rs75032657	G	C	-0.171	0.026	0.242	1.17E-10	-0.001	0.003	0.686	0.011	41.499	TRUE	2.01E-10
FEV1FVC	RPTOR	cg22280406	rs56698771	A	G	-0.204	0.024	0.401	4.44E-18	0.002	0.002	0.353	0.020	75.074	TRUE	1.85E-17
FEV1FVC	RPTOR	cg22280406	rs62070202	T	C	-0.286	0.041	0.079	4.30E-12	-0.001	0.005	0.859	0.013	47.957	TRUE	6.86E-12
FEV1FVC	RPTOR	cg22386583	rs11658179	T	C	-0.261	0.024	0.401	1.19E-27	0.002	0.002	0.362	0.031	118.674	TRUE	1.05E-26
FEV1FVC	RPTOR	cg22386583	rs118107399	T	C	0.851	0.149	0.014	1.03E-08	-0.004	0.012	0.723	0.009	32.766	TRUE	1.56E-08
FEV1FVC	RPTOR	cg22386583	rs2340773	T	C	0.714	0.036	0.116	1.35E-85	-0.014	0.004	3.88E-04	0.094	384.224	TRUE	3.31E-79
FEV1FVC	RPTOR	cg22386583	rs4453556	G	A	0.174	0.024	0.417	2.75E-13	-0.005	0.002	0.063	0.014	53.350	TRUE	1.52E-12
FEV1FVC	RPTOR	cg22636722	rs113714895	T	C	-0.253	0.043	0.080	3.50E-09	0.000	0.004	0.918	0.009	34.867	TRUE	4.68E-09
FEV1FVC	RPTOR	cg22636722	rs11656246	A	G	-0.384	0.027	0.241	1.52E-47	-0.001	0.003	0.825	0.054	209.690	TRUE	3.99E-46
FEV1FVC	RPTOR	cg22636722	rs12948647	A	G	0.269	0.046	0.125	3.83E-09	0.004	0.004	0.313	0.009	34.689	TRUE	8.56E-09
FEV1FVC	RPTOR	cg22636722	rs12952861	A	G	0.426	0.029	0.202	2.41E-49	-0.001	0.003	0.770	0.056	217.933	TRUE	8.60E-48
FEV1FVC	RPTOR	cg22636722	rs13341621	A	G	0.476	0.050	0.080	1.20E-21	-0.006	0.005	0.186	0.024	91.304	TRUE	9.17E-21
FEV1FVC	RPTOR	cg22636722	rs149099062	A	G	1.007	0.140	0.015	5.35E-13	0.004	0.010	0.647	0.014	52.044	TRUE	1.08E-12
FEV1FVC	RPTOR	cg22636722	rs2289764	C	T	1.063	0.021	0.241	<1E-200	0.000	0.003	0.943	0.405	2517.411	TRUE	<1E-200
FEV1FVC	RPTOR	cg22636722	rs56273414	C	T	0.243	0.033	0.146	2.51E-13	0.006	0.003	0.067	0.014	53.530	TRUE	1.37E-12
FEV1FVC	RPTOR	cg22636722	rs62068550	A	G	-0.231	0.035	0.143	2.65E-11	-0.004	0.004	0.290	0.012	44.399	TRUE	7.15E-11
FEV1FVC	RPTOR	cg22636722	rs72853711	C	T	0.223	0.037	0.115	1.57E-09	0.008	0.004	0.035	0.010	36.424	TRUE	6.80E-09
FEV1FVC	RPTOR	cg22636722	rs72859646	T	C	0.539	0.068	0.026	2.77E-15	0.001	0.007	0.891	0.017	62.390	TRUE	5.03E-15
FEV1FVC	RPTOR	cg22636722	rs908236	C	G	0.291	0.025	0.351	2.76E-32	0.003	0.003	0.221	0.036	139.849	TRUE	5.31E-31
FEV1FVC	RPTOR	cg22636722	rs9897319	A	G	-0.165	0.025	0.354	4.33E-11	-0.001	0.003	0.615	0.012	43.433	TRUE	8.21E-11
FEV1FVC	RPTOR	cg22644320	rs72490479	G	A	-0.171	0.024	0.410	3.66E-13	-0.005	0.003	0.045	0.014	52.792	TRUE	2.11E-12
FEV1FVC	RPTOR	cg22652378	rs11150745	G	A	-0.165	0.025	0.314	5.37E-11	0.000	0.003	0.910	0.011	43.014	TRUE	7.83E-11
FEV1FVC	RPTOR	cg22652378	rs34461761	C	G	0.265	0.037	0.114	1.50E-12	-0.014	0.004	2.85E-04	0.013	50.017	TRUE	2.48E-11
FEV1FVC	RPTOR	cg22652378	rs9916371	G	A	-0.311	0.023	0.493	6.68E-41	0.002	0.002	0.313	0.046	179.265	TRUE	2.38E-39
FEV1FVC	RPTOR	cg22838354	rs1485329	G	A	-0.135	0.024	0.357	1.97E-08	-0.005	0.003	0.055	0.008	31.504	TRUE	6.86E-08
FEV1FVC	RPTOR	cg22838354	rs34479366	C	T	-0.320	0.029	0.198	2.77E-28	-0.010	0.003	0.001	0.032	121.569	TRUE	2.92E-26
FEV1FVC	RPTOR	cg22838354	rs4969429	A	G	-0.153	0.026	0.273	4.78E-09	-0.005	0.003	0.089	0.009	34.257	TRUE	1.57E-08
FEV1FVC	RPTOR	cg22878693	rs11651724	A	G	-0.364	0.037	0.117	5.51E-23	0.006	0.004	0.137	0.026	97.401	TRUE	5.48E-22
FEV1FVC	RPTOR	cg22878693	rs117209908	A	G	-0.493	0.050	0.059	1.12E-22	-0.006	0.005	0.238	0.025	95.993	TRUE	8.23E-22
FEV1FVC	RPTOR	cg22878693	rs118107399	T	C	1.281	0.148	0.014	4.42E-18	-0.004	0.012	0.723	0.020	75.083	TRUE	1.12E-17
FEV1FVC	RPTOR	cg22878693	rs12452137	G	A	-0.715	0.026	0.249	1.03E-163	0.003	0.003	0.339	0.167	743.121	TRUE	2.38E-151
FEV1FVC	RPTOR	cg22878693	rs12945810	T	C	0.347	0.023	0.413	1.28E-49	-0.004	0.002	0.109	0.056	219.195	TRUE	2.98E-47

FEV1FVC	RPTOR	cg22878693	rs2340773	T	C	1.099	0.035	0.116	3.47E-217	-0.014	0.004	3.88E-04	0.211	988.951	TRUE	6.23E-194
FEV1FVC	RPTOR	cg22878693	rs4996915	T	G	-0.277	0.048	0.082	5.90E-09	-0.005	0.006	0.400	0.009	33.848	TRUE	1.19E-08
FEV1FVC	RPTOR	cg22878693	rs72853711	C	T	-0.334	0.037	0.115	8.36E-20	0.008	0.004	0.035	0.022	82.919	TRUE	1.06E-18
FEV1FVC	RPTOR	cg22878693	rs72853757	C	T	-0.352	0.033	0.146	1.61E-26	0.007	0.003	0.061	0.030	113.519	TRUE	3.48E-25
FEV1FVC	RPTOR	cg22878693	rs72858219	A	G	-0.349	0.028	0.212	1.10E-34	0.005	0.003	0.113	0.039	150.824	TRUE	4.19E-33
FEV1FVC	RPTOR	cg22878693	rs72858222	G	C	-0.672	0.096	0.035	1.96E-12	0.002	0.007	0.767	0.013	49.493	TRUE	3.44E-12
FEV1FVC	RPTOR	cg22878693	rs734338	A	G	-0.318	0.023	0.497	1.06E-42	0.001	0.002	0.732	0.048	187.509	TRUE	1.94E-41
FEV1FVC	RPTOR	cg22984380	rs1131609	A	G	-0.254	0.027	0.243	1.26E-21	0.005	0.003	0.076	0.024	91.212	TRUE	1.46E-20
FEV1FVC	RPTOR	cg22984380	rs117429647	G	A	-0.837	0.061	0.039	1.93E-43	-0.004	0.006	0.504	0.049	190.893	TRUE	5.93E-42
FEV1FVC	RPTOR	cg22984380	rs147576596	G	T	-0.316	0.025	0.298	3.05E-35	0.000	0.003	0.910	0.040	153.368	TRUE	2.12E-34
FEV1FVC	RPTOR	cg22984380	rs2672893	A	G	0.251	0.031	0.160	7.49E-16	-0.005	0.003	0.102	0.017	64.965	TRUE	4.33E-15
FEV1FVC	RPTOR	cg22984380	rs35904260	G	A	0.434	0.023	0.445	2.58E-79	-0.003	0.002	0.164	0.088	355.387	TRUE	4.05E-75
FEV1FVC	RPTOR	cg22984380	rs4969429	A	G	0.277	0.026	0.273	6.39E-26	-0.005	0.003	0.089	0.029	110.788	TRUE	1.05E-24
FEV1FVC	RPTOR	cg22984380	rs7211857	G	A	0.266	0.031	0.179	5.05E-18	0.006	0.003	0.082	0.020	74.822	TRUE	4.00E-17
FEV1FVC	RPTOR	cg22984380	rs7223529	A	T	0.220	0.028	0.228	3.05E-15	0.005	0.003	0.097	0.017	62.200	TRUE	1.73E-14
FEV1FVC	RPTOR	cg22984380	rs77591050	T	C	-0.785	0.044	0.077	3.06E-70	0.004	0.005	0.408	0.078	313.751	TRUE	4.07E-67
FEV1FVC	RPTOR	cg22984380	rs9904611	A	G	-1.003	0.022	0.254	<1E-200	-0.002	0.003	0.580	0.367	2143.020	TRUE	<1E-200
FEV1FVC	RPTOR	cg22984380	rs9909563	T	A	-0.317	0.027	0.269	2.02E-32	0.004	0.003	0.136	0.037	140.477	TRUE	5.04E-31
FEV1FVC	RPTOR	cg23019125	rs112803228	A	G	-0.677	0.106	0.031	1.77E-10	0.006	0.007	0.385	0.011	40.686	TRUE	4.00E-10
FEV1FVC	RPTOR	cg23019125	rs113332633	A	G	-0.779	0.101	0.013	1.36E-14	-0.019	0.010	0.051	0.016	59.253	TRUE	9.02E-14
FEV1FVC	RPTOR	cg23019125	rs12941973	T	C	-0.208	0.028	0.230	9.34E-14	0.002	0.003	0.570	0.015	55.471	TRUE	2.14E-13
FEV1FVC	RPTOR	cg23019125	rs2248502	A	G	-0.782	0.029	0.182	5.36E-165	-0.007	0.003	0.028	0.168	749.017	TRUE	3.98E-151
FEV1FVC	RPTOR	cg23019125	rs2672898	C	T	0.245	0.029	0.206	6.07E-17	0.000	0.003	0.949	0.019	69.915	TRUE	1.13E-16
FEV1FVC	RPTOR	cg23019125	rs35904260	G	A	0.254	0.023	0.445	1.19E-27	-0.003	0.002	0.164	0.031	118.686	TRUE	1.74E-26
FEV1FVC	RPTOR	cg23019125	rs7211857	G	A	0.175	0.031	0.179	1.35E-08	0.006	0.003	0.082	0.009	32.241	TRUE	4.36E-08
FEV1FVC	RPTOR	cg23238734	rs8073414	G	A	-0.172	0.024	0.353	1.84E-12	0.000	0.003	0.905	0.013	49.618	TRUE	2.88E-12
FEV1FVC	RPTOR	cg23238734	rs9908112	A	G	0.267	0.037	0.116	4.70E-13	-0.014	0.004	3.93E-04	0.014	52.300	TRUE	8.01E-12
FEV1FVC	RPTOR	cg23245933	rs9898104	C	T	-0.173	0.029	0.201	4.27E-09	-0.002	0.003	0.607	0.009	34.477	TRUE	7.30E-09
FEV1FVC	RPTOR	cg23463786	rs9889802	G	C	-0.174	0.030	0.184	8.81E-09	0.002	0.003	0.526	0.009	33.071	TRUE	1.57E-08
FEV1FVC	RPTOR	cg23542426	rs2589132	C	T	-0.133	0.023	0.485	9.10E-09	-0.001	0.002	0.735	0.009	33.008	TRUE	1.36E-08
FEV1FVC	RPTOR	cg23542426	rs7209810	C	G	0.498	0.049	0.059	4.86E-24	-0.002	0.006	0.704	0.027	102.207	TRUE	1.86E-23
FEV1FVC	RPTOR	cg23625086	rs56233717	C	T	-0.340	0.035	0.264	1.06E-21	0.003	0.003	0.271	0.024	91.546	TRUE	6.73E-21
FEV1FVC	RPTOR	cg23736297	rs139078473	A	G	0.370	0.051	0.052	4.72E-13	0.005	0.005	0.309	0.014	52.290	TRUE	1.41E-12
FEV1FVC	RPTOR	cg23736297	rs2672878	T	C	0.241	0.026	0.263	4.68E-20	-0.003	0.003	0.332	0.022	84.064	TRUE	2.28E-19
FEV1FVC	RPTOR	cg23736297	rs34781048	A	G	0.171	0.024	0.434	1.42E-12	0.000	0.002	0.924	0.013	50.130	TRUE	2.17E-12
FEV1FVC	RPTOR	cg23736297	rs4969226	G	A	-0.520	0.035	0.129	3.00E-51	-0.004	0.004	0.269	0.058	226.660	TRUE	4.21E-49
FEV1FVC	RPTOR	cg23736297	rs72859646	T	C	-0.405	0.068	0.026	3.42E-09	0.001	0.007	0.891	0.009	34.912	TRUE	4.68E-09
FEV1FVC	RPTOR	cg24181389	rs2280147	C	T	0.169	0.028	0.225	8.51E-10	0.000	0.003	0.914	0.010	37.620	TRUE	1.17E-09
FEV1FVC	RPTOR	cg24207068	rs11656061	A	G	-0.519	0.023	0.436	2.70E-111	0.000	0.002	0.870	0.120	502.239	TRUE	1.76E-105
FEV1FVC	RPTOR	cg24207068	rs12948647	A	G	0.303	0.046	0.125	3.34E-11	0.004	0.004	0.313	0.012	43.945	TRUE	8.64E-11
FEV1FVC	RPTOR	cg24207068	rs149099062	A	G	1.058	0.139	0.015	3.34E-14	0.004	0.010	0.647	0.015	57.490	TRUE	7.23E-14
FEV1FVC	RPTOR	cg24207068	rs2289763	G	C	1.202	0.032	0.119	<1E-200	0.000	0.004	0.975	0.278	1421.615	TRUE	2.03E-275

FEV1FVC	RPTOR	cg24207068	rs62067893	T	C	0.388	0.070	0.037	2.61E-08	0.003	0.007	0.625	0.008	30.958	TRUE	4.17E-08
FEV1FVC	RPTOR	cg24207068	rs62068487	A	G	-0.356	0.025	0.319	9.55E-46	-0.001	0.003	0.658	0.052	201.448	TRUE	2.86E-44
FEV1FVC	RPTOR	cg24207068	rs7217223	T	C	0.167	0.026	0.297	1.10E-10	0.002	0.003	0.522	0.011	41.613	TRUE	2.21E-10
FEV1FVC	RPTOR	cg24207068	rs7225916	G	T	0.154	0.026	0.272	5.51E-09	0.000	0.003	0.929	0.009	33.984	TRUE	7.20E-09
FEV1FVC	RPTOR	cg24207068	rs72850551	A	G	0.569	0.065	0.036	3.11E-18	0.001	0.006	0.904	0.020	75.775	TRUE	6.56E-18
FEV1FVC	RPTOR	cg24207068	rs72853757	C	T	0.258	0.033	0.146	7.62E-15	0.007	0.003	0.061	0.016	60.400	TRUE	5.03E-14
FEV1FVC	RPTOR	cg24207068	rs72857988	T	C	0.508	0.050	0.050	2.86E-24	0.000	0.005	0.996	0.027	103.256	TRUE	7.73E-24
FEV1FVC	RPTOR	cg24207068	rs7502841	A	G	0.468	0.027	0.232	8.41E-67	-0.001	0.003	0.857	0.075	297.971	TRUE	2.24E-64
FEV1FVC	RPTOR	cg24207068	rs8073904	G	A	0.188	0.033	0.141	1.41E-08	-0.003	0.004	0.468	0.009	32.160	TRUE	2.59E-08
FEV1FVC	RPTOR	cg24315876	rs113059224	A	G	0.267	0.043	0.070	5.78E-10	0.004	0.004	0.326	0.010	38.374	TRUE	1.35E-09
FEV1FVC	RPTOR	cg24315876	rs11548824	A	G	0.279	0.034	0.154	9.28E-17	-0.001	0.003	0.812	0.018	69.079	TRUE	1.95E-16
FEV1FVC	RPTOR	cg24315876	rs115579065	T	C	0.372	0.044	0.089	3.30E-17	0.005	0.004	0.208	0.019	71.116	TRUE	1.64E-16
FEV1FVC	RPTOR	cg24315876	rs11650034	T	C	0.184	0.024	0.404	6.36E-15	0.001	0.002	0.584	0.016	60.754	TRUE	1.53E-14
FEV1FVC	RPTOR	cg24315876	rs117589634	A	C	-0.402	0.073	0.024	3.61E-08	0.014	0.008	0.063	0.008	30.330	TRUE	1.18E-07
FEV1FVC	RPTOR	cg24315876	rs147929754	A	G	0.419	0.070	0.037	1.86E-09	0.007	0.006	0.246	0.010	36.095	TRUE	4.70E-09
FEV1FVC	RPTOR	cg24315876	rs183036865	A	G	0.447	0.056	0.041	1.98E-15	0.004	0.006	0.528	0.017	63.053	TRUE	5.25E-15
FEV1FVC	RPTOR	cg24315876	rs2289760	T	C	0.527	0.026	0.249	4.38E-93	-0.001	0.003	0.597	0.102	418.606	TRUE	1.56E-88
FEV1FVC	RPTOR	cg24315876	rs34410650	G	A	0.238	0.028	0.239	5.81E-18	0.004	0.003	0.193	0.020	74.544	TRUE	3.13E-17
FEV1FVC	RPTOR	cg24315876	rs3751934	A	C	0.387	0.024	0.401	2.99E-59	0.001	0.003	0.561	0.066	263.340	TRUE	5.25E-57
FEV1FVC	RPTOR	cg24315876	rs4969229	T	C	-0.707	0.081	0.050	1.57E-18	0.003	0.005	0.622	0.020	77.121	TRUE	4.62E-18
FEV1FVC	RPTOR	cg24315876	rs4969231	T	C	-0.651	0.025	0.314	6.56E-154	-0.002	0.003	0.559	0.159	698.053	TRUE	3.56E-143
FEV1FVC	RPTOR	cg24315876	rs55803650	A	C	0.559	0.092	0.017	1.41E-09	0.005	0.009	0.562	0.010	36.636	TRUE	2.54E-09
FEV1FVC	RPTOR	cg24315876	rs56960771	T	C	0.208	0.025	0.310	1.52E-16	0.002	0.003	0.441	0.018	68.106	TRUE	4.86E-16
FEV1FVC	RPTOR	cg24315876	rs6565491	C	T	-0.711	0.033	0.132	2.68E-101	-0.001	0.004	0.746	0.110	456.324	TRUE	3.09E-96
FEV1FVC	RPTOR	cg24315876	rs67198902	G	T	0.191	0.031	0.186	4.97E-10	0.001	0.003	0.817	0.010	38.670	TRUE	7.42E-10
FEV1FVC	RPTOR	cg24315876	rs868432	A	G	0.821	0.020	0.444	<1E-200	0.002	0.002	0.344	0.318	1722.199	TRUE	<1E-200
FEV1FVC	RPTOR	cg24315876	rs9903399	C	T	0.294	0.041	0.222	4.93E-13	-0.003	0.003	0.258	0.014	52.203	TRUE	1.60E-12
FEV1FVC	RPTOR	cg24315876	rs9915393	G	C	0.645	0.026	0.258	3.42E-137	0.003	0.003	0.225	0.144	621.228	TRUE	9.67E-128
FEV1FVC	RPTOR	cg24327522	rs11150756	A	G	0.745	0.027	0.212	1.06E-164	0.000	0.003	0.973	0.168	747.648	TRUE	3.15E-153
FEV1FVC	RPTOR	cg24327522	rs113714895	T	C	-0.245	0.043	0.080	9.94E-09	0.000	0.004	0.918	0.009	32.834	TRUE	1.31E-08
FEV1FVC	RPTOR	cg24327522	rs11656246	A	G	-0.406	0.026	0.241	4.09E-53	-0.001	0.003	0.825	0.060	235.207	TRUE	2.02E-51
FEV1FVC	RPTOR	cg24327522	rs13341197	A	C	0.342	0.049	0.080	4.75E-12	-0.006	0.005	0.210	0.013	47.762	TRUE	1.55E-11
FEV1FVC	RPTOR	cg24327522	rs62068487	A	G	-0.177	0.025	0.319	2.47E-12	-0.001	0.003	0.658	0.013	49.042	TRUE	4.83E-12
FEV1FVC	RPTOR	cg24327522	rs7211857	G	A	0.172	0.031	0.179	2.19E-08	0.006	0.003	0.082	0.008	31.305	TRUE	6.91E-08
FEV1FVC	RPTOR	cg24327522	rs72853711	C	T	0.228	0.037	0.115	6.40E-10	0.008	0.004	0.035	0.010	38.175	TRUE	2.89E-09
FEV1FVC	RPTOR	cg24327522	rs72859646	T	C	0.435	0.068	0.026	2.03E-10	0.001	0.007	0.891	0.011	40.413	TRUE	2.93E-10
FEV1FVC	RPTOR	cg24327522	rs7502321	C	T	0.142	0.024	0.386	3.62E-09	0.001	0.003	0.714	0.009	34.800	TRUE	5.62E-09
FEV1FVC	RPTOR	cg24327522	rs7502841	A	G	0.328	0.027	0.232	5.20E-33	-0.001	0.003	0.857	0.037	143.167	TRUE	3.20E-32
FEV1FVC	RPTOR	cg24343322	rs71368095	A	G	-0.159	0.028	0.219	8.46E-09	-0.001	0.003	0.686	0.009	33.148	TRUE	1.33E-08
FEV1FVC	RPTOR	cg24343322	rs8068193	A	G	-0.229	0.024	0.393	1.66E-21	0.000	0.002	0.963	0.024	90.663	TRUE	3.93E-21
FEV1FVC	RPTOR	cg24744721	rs75869656	A	G	0.173	0.024	0.454	2.15E-13	0.000	0.002	0.952	0.014	53.838	TRUE	3.31E-13
FEV1FVC	RPTOR	cg25057221	rs1567963	C	T	-0.392	0.024	0.392	1.99E-61	0.000	0.002	0.961	0.069	273.325	TRUE	2.08E-59

FEV1FVC	RPTOR	cg25057221	rs4969301	A	G	-0.133	0.023	0.451	1.36E-08	0.000	0.002	0.932	0.009	32.226	TRUE	1.76E-08
FEV1FVC	RPTOR	cg25057221	rs8070693	C	T	-0.262	0.043	0.082	1.07E-09	-0.002	0.004	0.725	0.010	37.168	TRUE	1.71E-09
FEV1FVC	RPTOR	cg25288455	rs10468603	C	T	0.174	0.024	0.413	3.27E-13	-0.005	0.002	0.058	0.014	53.012	TRUE	1.84E-12
FEV1FVC	RPTOR	cg25288455	rs12185227	G	C	-0.137	0.024	0.390	7.87E-09	0.003	0.002	0.160	0.009	33.288	TRUE	2.17E-08
FEV1FVC	RPTOR	cg25288455	rs3764371	A	C	-0.282	0.023	0.457	4.07E-33	-0.003	0.002	0.268	0.037	143.654	TRUE	7.46E-32
FEV1FVC	RPTOR	cg25288455	rs62068358	G	A	0.284	0.041	0.092	3.09E-12	-0.002	0.004	0.584	0.013	48.607	TRUE	6.36E-12
FEV1FVC	RPTOR	cg25673241	rs117092745	T	C	-0.293	0.043	0.076	1.39E-11	0.006	0.005	0.171	0.012	45.656	TRUE	4.66E-11
FEV1FVC	RPTOR	cg25673241	rs12185227	G	C	-0.137	0.024	0.390	9.17E-09	0.003	0.002	0.160	0.009	32.992	TRUE	2.51E-08
FEV1FVC	RPTOR	cg25673241	rs3764371	A	C	-0.228	0.024	0.457	5.68E-22	-0.003	0.002	0.268	0.024	92.786	TRUE	3.74E-21
FEV1FVC	RPTOR	cg25673241	rs62069691	T	A	0.302	0.041	0.087	2.13E-13	0.001	0.004	0.902	0.014	53.856	TRUE	3.47E-13
FEV1FVC	RPTOR	cg25673241	rs7212142	A	G	-0.146	0.024	0.413	1.25E-09	-0.002	0.002	0.434	0.010	36.864	TRUE	2.57E-09
FEV1FVC	RPTOR	cg25739309	rs2289760	T	C	-0.177	0.026	0.249	1.05E-11	-0.001	0.003	0.597	0.012	46.209	TRUE	2.06E-11
FEV1FVC	RPTOR	cg25739309	rs3751937	A	C	-0.188	0.031	0.203	1.19E-09	0.002	0.003	0.587	0.010	36.963	TRUE	2.12E-09
FEV1FVC	RPTOR	cg25739309	rs9911223	A	G	0.356	0.025	0.310	1.03E-47	-0.005	0.003	0.085	0.054	210.465	TRUE	2.16E-45
FEV1FVC	RPTOR	cg25902229	rs113335931	G	A	0.183	0.033	0.150	2.04E-08	0.000	0.003	0.908	0.008	31.439	TRUE	2.68E-08
FEV1FVC	RPTOR	cg25902229	rs11548824	A	G	-0.325	0.033	0.154	2.62E-22	-0.001	0.003	0.812	0.025	94.316	TRUE	7.72E-22
FEV1FVC	RPTOR	cg25902229	rs11658145	C	T	0.192	0.027	0.246	1.14E-12	0.001	0.003	0.780	0.013	50.567	TRUE	2.01E-12
FEV1FVC	RPTOR	cg25902229	rs12953216	A	G	0.246	0.044	0.137	2.34E-08	0.002	0.004	0.506	0.008	31.173	TRUE	4.11E-08
FEV1FVC	RPTOR	cg25902229	rs149099062	A	G	0.956	0.140	0.015	7.61E-12	0.004	0.010	0.647	0.013	46.839	TRUE	1.44E-11
FEV1FVC	RPTOR	cg25902229	rs2289765	G	A	1.029	0.033	0.137	1.51E-212	0.002	0.004	0.678	0.207	967.618	TRUE	6.17E-194
FEV1FVC	RPTOR	cg25902229	rs2672890	T	C	-0.245	0.042	0.178	3.90E-09	-0.002	0.003	0.503	0.009	34.655	TRUE	7.25E-09
FEV1FVC	RPTOR	cg25902229	rs3764371	A	C	-0.174	0.024	0.457	2.28E-13	-0.003	0.002	0.268	0.014	53.714	TRUE	7.54E-13
FEV1FVC	RPTOR	cg25902229	rs4969284	A	G	-0.800	0.020	0.439	<1E-200	-0.001	0.002	0.717	0.291	1521.519	TRUE	4.78E-292
FEV1FVC	RPTOR	cg25902229	rs4969313	A	G	-0.303	0.024	0.391	6.46E-36	0.000	0.002	0.968	0.041	156.454	TRUE	4.36E-35
FEV1FVC	RPTOR	cg25902229	rs56960771	T	C	-0.155	0.025	0.310	8.48E-10	0.002	0.003	0.441	0.010	37.626	TRUE	1.73E-09
FEV1FVC	RPTOR	cg25902229	rs58903229	A	T	0.560	0.049	0.080	6.34E-30	-0.006	0.005	0.182	0.034	129.063	TRUE	1.08E-28
FEV1FVC	RPTOR	cg25902229	rs60323363	A	G	-0.281	0.023	0.412	2.94E-33	0.002	0.002	0.545	0.038	144.298	TRUE	3.10E-32
FEV1FVC	RPTOR	cg25902229	rs6565488	A	C	0.503	0.033	0.135	5.46E-52	-0.001	0.004	0.689	0.059	230.051	TRUE	3.05E-50
FEV1FVC	RPTOR	cg25902229	rs7209723	C	G	0.163	0.028	0.247	4.09E-09	0.003	0.003	0.294	0.009	34.562	TRUE	9.30E-09
FEV1FVC	RPTOR	cg25902229	rs7211857	G	A	0.199	0.031	0.179	1.09E-10	0.006	0.003	0.082	0.011	41.634	TRUE	4.31E-10
FEV1FVC	RPTOR	cg25902229	rs72857988	T	C	0.317	0.050	0.050	2.61E-10	0.000	0.005	0.996	0.011	39.926	TRUE	3.44E-10
FEV1FVC	RPTOR	cg25902229	rs7502321	C	T	0.205	0.024	0.386	1.29E-17	0.001	0.003	0.714	0.019	72.965	TRUE	3.19E-17
FEV1FVC	RPTOR	cg25902229	rs77183052	A	G	0.947	0.170	0.012	2.57E-08	-0.030	0.011	0.004	0.008	30.994	TRUE	1.45E-07
FEV1FVC	RPTOR	cg25902229	rs8073904	G	A	0.200	0.033	0.141	1.65E-09	-0.003	0.004	0.468	0.010	36.328	TRUE	3.22E-09
FEV1FVC	RPTOR	cg25902229	rs9897600	T	C	0.237	0.043	0.082	4.39E-08	0.002	0.004	0.668	0.008	29.953	TRUE	6.75E-08
FEV1FVC	RPTOR	cg25985643	rs112821038	A	C	0.223	0.041	0.083	4.05E-08	0.002	0.004	0.575	0.008	30.109	TRUE	6.67E-08
FEV1FVC	RPTOR	cg25985643	rs116931702	G	C	-0.398	0.045	0.069	5.70E-19	0.002	0.005	0.704	0.021	79.127	TRUE	1.54E-18
FEV1FVC	RPTOR	cg25985643	rs12945810	T	C	-0.192	0.024	0.413	4.71E-16	-0.004	0.002	0.109	0.017	65.878	TRUE	2.81E-15
FEV1FVC	RPTOR	cg25985643	rs12951739	T	G	-0.639	0.023	0.455	2.38E-175	0.003	0.002	0.184	0.177	796.605	TRUE	4.77E-161
FEV1FVC	RPTOR	cg25985643	rs2672871	C	G	-0.190	0.030	0.187	2.37E-10	-0.006	0.003	0.051	0.011	40.112	TRUE	1.02E-09
FEV1FVC	RPTOR	cg25985643	rs36075755	A	G	0.278	0.041	0.097	1.05E-11	-0.014	0.004	7.96E-04	0.012	46.210	TRUE	1.24E-10
FEV1FVC	RPTOR	cg25985643	rs4072746	T	C	0.231	0.038	0.115	1.63E-09	-0.003	0.004	0.397	0.010	36.356	TRUE	3.46E-09

FEV1FVC	RPTOR	cg25985643	rs55633095	T	C	-0.277	0.043	0.084	9.03E-11	-0.003	0.004	0.553	0.011	41.998	TRUE	1.76E-10
FEV1FVC	RPTOR	cg25985643	rs58691767	T	C	0.579	0.042	0.084	4.95E-44	-0.003	0.004	0.515	0.050	193.597	TRUE	1.58E-42
FEV1FVC	RPTOR	cg25985643	rs62067893	T	C	-0.383	0.070	0.037	3.67E-08	0.003	0.007	0.625	0.008	30.300	TRUE	5.81E-08
FEV1FVC	RPTOR	cg25985643	rs72853774	G	T	-0.348	0.034	0.138	7.69E-25	0.007	0.004	0.052	0.028	105.859	TRUE	1.40E-23
FEV1FVC	RPTOR	cg25985643	rs72856538	C	G	-0.191	0.028	0.219	1.62E-11	0.004	0.003	0.187	0.012	45.362	TRUE	5.23E-11
FEV1FVC	RPTOR	cg25985643	rs74002883	T	G	-0.380	0.031	0.173	3.91E-35	0.001	0.003	0.857	0.040	152.875	TRUE	2.96E-34
FEV1FVC	RPTOR	cg26360197	rs2589154	G	A	-0.259	0.030	0.189	1.91E-18	-0.007	0.003	0.028	0.020	76.735	TRUE	2.22E-17
FEV1FVC	RPTOR	cg26360197	rs2672898	C	T	0.234	0.029	0.206	1.35E-15	0.000	0.003	0.949	0.017	63.801	TRUE	2.36E-15
FEV1FVC	RPTOR	cg26419477	rs7221948	C	T	0.195	0.024	0.410	1.69E-16	0.002	0.003	0.435	0.018	67.895	TRUE	5.35E-16
FEV1FVC	RPTOR	cg26469982	rs4969301	A	G	0.165	0.024	0.451	2.78E-12	0.000	0.002	0.932	0.013	48.814	TRUE	4.19E-12
FEV1FVC	RPTOR	cg26469982	rs4969329	G	A	-0.214	0.028	0.251	8.08E-15	-0.002	0.003	0.462	0.016	60.284	TRUE	2.26E-14
FEV1FVC	RPTOR	cg26469982	rs8082382	C	T	0.415	0.024	0.420	4.49E-68	0.001	0.002	0.691	0.076	303.809	TRUE	2.13E-65
FEV1FVC	RPTOR	cg26469982	rs868432	A	G	0.128	0.023	0.444	3.94E-08	0.002	0.002	0.344	0.008	30.163	TRUE	8.01E-08
FEV1FVC	RPTOR	cg26714263	rs2063791	A	G	-0.182	0.025	0.313	3.93E-13	0.001	0.003	0.757	0.014	52.652	TRUE	7.21E-13
FEV1FVC	RPTOR	cg26714263	rs2589129	A	G	-0.328	0.023	0.487	1.89E-46	-0.001	0.002	0.600	0.052	204.673	TRUE	6.80E-45
FEV1FVC	RPTOR	cg26714263	rs7221948	C	T	0.141	0.024	0.410	4.64E-09	0.002	0.003	0.435	0.009	34.318	TRUE	8.99E-09
FEV1FVC	RPTOR	cg26714263	rs7222906	C	T	0.195	0.029	0.202	2.33E-11	0.003	0.003	0.361	0.012	44.645	TRUE	5.73E-11
FEV1FVC	RPTOR	cg26714263	rs77183052	A	G	-1.604	0.168	0.012	1.60E-21	-0.030	0.011	0.004	0.024	90.737	TRUE	4.82E-20
FEV1FVC	RPTOR	cg26733897	rs12103906	T	C	-0.138	0.024	0.419	6.62E-09	-0.002	0.002	0.387	0.009	33.624	TRUE	1.36E-08
FEV1FVC	RPTOR	cg26733897	rs3843963	A	G	0.210	0.023	0.431	1.98E-19	0.002	0.002	0.479	0.021	81.216	TRUE	7.37E-19
FEV1FVC	RPTOR	cg26954228	rs2672878	T	C	-0.296	0.026	0.263	1.09E-29	-0.003	0.003	0.332	0.033	127.987	TRUE	1.21E-28
FEV1FVC	RPTOR	cg26954228	rs4969296	A	G	0.164	0.029	0.202	2.05E-08	0.003	0.003	0.384	0.008	31.433	TRUE	4.04E-08
FEV1FVC	RPTOR	cg26954228	rs77183052	A	G	-1.416	0.169	0.012	5.09E-17	-0.030	0.011	0.004	0.019	70.262	TRUE	8.83E-16
FEV1FVC	RPTOR	cg27210166	rs117805133	T	C	-0.504	0.089	0.017	1.41E-08	-0.006	0.009	0.532	0.009	32.160	TRUE	2.46E-08
FEV1FVC	RPTOR	cg27210166	rs117865905	C	T	-0.760	0.113	0.024	1.77E-11	0.004	0.007	0.585	0.012	45.188	TRUE	3.47E-11
FEV1FVC	RPTOR	cg27210166	rs118003029	A	G	-0.434	0.054	0.089	1.69E-15	0.006	0.004	0.165	0.017	63.367	TRUE	8.08E-15
FEV1FVC	RPTOR	cg27210166	rs118099953	T	C	-0.515	0.063	0.036	3.69E-16	-0.005	0.006	0.416	0.018	66.359	TRUE	1.19E-15
FEV1FVC	RPTOR	cg27210166	rs12450690	T	G	-0.198	0.026	0.264	4.13E-14	0.006	0.003	0.016	0.015	57.073	TRUE	3.52E-13
FEV1FVC	RPTOR	cg27210166	rs12451164	T	C	0.292	0.027	0.237	3.19E-27	0.002	0.003	0.385	0.031	116.727	TRUE	2.53E-26
FEV1FVC	RPTOR	cg27210166	rs28364735	C	T	-0.222	0.025	0.280	1.95E-18	0.005	0.003	0.045	0.020	76.700	TRUE	2.04E-17
FEV1FVC	RPTOR	cg27210166	rs34479366	C	T	0.293	0.029	0.198	2.47E-23	-0.010	0.003	0.001	0.026	98.989	TRUE	1.35E-21
FEV1FVC	RPTOR	cg27210166	rs35904260	G	A	0.274	0.023	0.445	6.87E-32	-0.003	0.002	0.164	0.036	138.043	TRUE	1.54E-30
FEV1FVC	RPTOR	cg27210166	rs4522458	T	C	-0.172	0.027	0.238	3.74E-10	0.001	0.003	0.810	0.010	39.221	TRUE	5.71E-10
FEV1FVC	RPTOR	cg27210166	rs4889855	G	A	0.239	0.032	0.162	3.10E-14	0.002	0.003	0.568	0.015	57.639	TRUE	7.27E-14
FEV1FVC	RPTOR	cg27210166	rs62067893	T	C	-0.674	0.069	0.037	2.23E-22	0.003	0.007	0.625	0.025	94.634	TRUE	8.41E-22
FEV1FVC	RPTOR	cg27210166	rs72856013	A	G	-0.313	0.036	0.120	2.73E-18	0.009	0.004	0.016	0.020	76.036	TRUE	3.85E-17
FEV1FVC	RPTOR	cg27210166	rs74003912	A	G	-0.244	0.030	0.199	1.27E-16	-0.005	0.003	0.105	0.018	68.457	TRUE	7.93E-16
FEV1FVC	RPTOR	cg27210166	rs9909563	T	A	-0.194	0.027	0.269	4.61E-13	0.004	0.003	0.136	0.014	52.334	TRUE	1.88E-12
FEV1FVC	RPTOR	cg27457201	rs113714895	T	C	-0.258	0.043	0.080	1.58E-09	0.000	0.004	0.918	0.010	36.418	TRUE	2.14E-09
FEV1FVC	RPTOR	cg27457201	rs12103906	T	C	0.196	0.024	0.419	3.11E-16	-0.002	0.002	0.387	0.018	66.697	TRUE	1.06E-15
FEV1FVC	RPTOR	cg27457201	rs2289762	A	G	-0.437	0.026	0.245	1.59E-61	-0.001	0.003	0.643	0.069	273.771	TRUE	3.35E-59
FEV1FVC	RPTOR	cg27457201	rs2333984	G	A	0.233	0.029	0.203	1.34E-15	0.003	0.003	0.368	0.017	63.813	TRUE	4.44E-15

FEV1FVC	RPTOR	cg27457201	rs60323363	A	G	-0.133	0.024	0.412	1.53E-08	0.002	0.002	0.545	0.009	31.999	TRUE	2.67E-08
FEV1FVC	RPTOR	cg27457201	rs868432	A	G	-0.193	0.023	0.444	1.33E-16	0.002	0.002	0.344	0.018	68.371	TRUE	4.95E-16
FEV1FVC	RPTOR	cg27457201	rs9897319	A	G	-0.193	0.025	0.354	1.42E-14	-0.001	0.003	0.615	0.016	59.177	TRUE	3.29E-14
FEV1FVC	RPTOR	cg27460531	rs2672893	A	G	0.207	0.031	0.160	2.76E-11	-0.005	0.003	0.102	0.012	44.319	TRUE	1.05E-10
FEV1FVC	RPTOR	cg27460531	rs34630038	A	G	-0.516	0.029	0.201	7.19E-71	-0.001	0.003	0.672	0.079	316.635	TRUE	5.30E-68
FEV1FVC	RPTOR	cg27460531	rs3764371	A	C	0.169	0.024	0.457	1.10E-12	-0.003	0.002	0.268	0.014	50.632	TRUE	3.44E-12
FEV1FVC	RPTOR	cg27460531	rs4889852	T	G	-0.151	0.027	0.244	1.47E-08	0.005	0.003	0.076	0.009	32.075	TRUE	4.73E-08
FEV1FVC	RPTOR	cg27460531	rs4969426	A	T	0.134	0.024	0.375	1.92E-08	0.000	0.003	0.906	0.008	31.558	TRUE	2.52E-08
FEV1FVC	RPTOR	cg27460531	rs72852801	A	G	-0.332	0.044	0.076	4.81E-14	0.007	0.005	0.120	0.015	56.774	TRUE	2.24E-13
FEV1FVC	RPTOR	cg27460531	rs72853728	C	T	-0.240	0.033	0.144	7.90E-13	0.003	0.004	0.415	0.014	51.278	TRUE	2.05E-12
FEV1FVC	RPTOR	cg27460531	rs9319606	G	T	-0.188	0.024	0.393	4.01E-15	0.003	0.003	0.261	0.016	61.662	TRUE	1.51E-14
FEV1FVC	RPTOR	cg27511181	rs117805133	T	C	-0.502	0.089	0.017	1.64E-08	-0.006	0.009	0.532	0.009	31.868	TRUE	2.84E-08
FEV1FVC	RPTOR	cg27511181	rs4889782	C	T	-0.172	0.024	0.402	1.97E-12	-0.002	0.003	0.546	0.013	49.483	TRUE	4.26E-12
FEV1FVC	RPTOR	cg27511181	rs58418838	T	C	0.305	0.025	0.341	1.29E-35	0.003	0.003	0.274	0.040	155.075	TRUE	2.90E-34
FEV1FVC	RPTOR	cg27511181	rs62067893	T	C	-0.621	0.069	0.037	3.41E-19	0.003	0.007	0.625	0.021	80.143	TRUE	1.03E-18
FEV1FVC	RPTOR	cg27511181	rs62068297	T	C	0.294	0.029	0.201	1.52E-23	-0.010	0.003	0.001	0.026	99.951	TRUE	8.26E-22
FEV1FVC	RPTOR	cg27511181	rs72853757	C	T	-0.306	0.033	0.146	2.17E-20	0.007	0.003	0.061	0.023	85.585	TRUE	2.49E-19
FEV1FVC	RPTOR	cg27511181	rs75099973	A	G	-0.650	0.059	0.043	6.44E-28	-0.006	0.006	0.294	0.031	119.900	TRUE	6.62E-27
FEV1FVC	RPTOR	cg27511181	rs9807041	G	A	-0.765	0.027	0.220	4.74E-174	0.003	0.003	0.339	0.176	790.633	TRUE	2.45E-160
FEV1FVC	RPTOR	cg27551440	rs62069375	C	T	-0.200	0.024	0.402	2.34E-17	0.002	0.002	0.326	0.019	71.795	TRUE	9.54E-17
FEV1FVC	RPTOR	cg27551440	rs7503807	C	A	0.227	0.023	0.447	3.38E-23	-0.005	0.002	0.062	0.026	98.372	TRUE	4.98E-22
FEV1FVC	RRAGC	cg01799521	rs9726587	T	C	0.275	0.028	0.211	3.87E-22	0.006	0.003	0.037	0.025	93.544	TRUE	6.31E-21
FEV1FVC	RRAGC	cg12065799	rs34393348	A	C	0.179	0.025	0.336	1.24E-12	0.000	0.003	0.876	0.013	50.393	TRUE	2.01E-12
FEV1FVC	RRAGC	cg25970120	rs35657544	T	C	0.305	0.044	0.076	2.93E-12	-0.014	0.004	7.76E-04	0.013	48.710	TRUE	3.85E-11
FEV1FVC	RRAGC	cg25970120	rs9438973	A	G	-0.135	0.024	0.470	1.11E-08	-0.003	0.002	0.184	0.009	32.615	TRUE	2.82E-08
FEV1FVC	S100A9	cg05848175	rs12119788	A	G	0.332	0.051	0.115	8.30E-11	0.009	0.004	0.027	0.011	42.164	TRUE	4.48E-10
FEV1FVC	S100A9	cg06355720	rs2916193	A	G	0.313	0.028	0.257	5.37E-28	0.004	0.003	0.193	0.031	120.260	TRUE	7.04E-27
FEV1FVC	S100A9	cg06355720	rs3014817	C	T	-0.326	0.041	0.080	3.18E-15	0.000	0.004	0.997	0.017	62.115	TRUE	5.19E-15
FEV1FVC	S100A9	cg06355720	rs80307105	G	A	-1.470	0.080	0.020	3.68E-75	-0.002	0.008	0.841	0.083	336.325	TRUE	3.47E-72
FEV1FVC	S100A9	cg07039113	rs72708737	G	C	0.345	0.037	0.131	1.31E-20	0.002	0.003	0.580	0.023	86.585	TRUE	4.65E-20
FEV1FVC	S100A9	cg11787791	rs2070864	G	A	0.208	0.028	0.281	8.36E-14	0.003	0.003	0.223	0.015	55.688	TRUE	3.06E-13
FEV1FVC	S100A9	cg11787791	rs60752752	G	A	0.215	0.035	0.112	1.11E-09	-0.001	0.004	0.771	0.010	37.103	TRUE	1.69E-09
FEV1FVC	S100A9	cg15467116	rs3014874	A	G	0.425	0.028	0.264	1.75E-52	0.003	0.003	0.252	0.059	232.313	TRUE	3.04E-50
FEV1FVC	S100A9	cg23277715	rs12119788	A	G	0.460	0.051	0.115	1.59E-19	0.009	0.004	0.027	0.022	81.644	TRUE	2.21E-18
FEV1FVC	S100A9	cg23277715	rs61803119	T	G	0.232	0.038	0.101	6.08E-10	-0.001	0.004	0.873	0.010	38.276	TRUE	8.67E-10
FEV1FVC	S100A9	cg25286012	rs2070864	G	A	0.160	0.028	0.281	9.72E-09	0.003	0.003	0.223	0.009	32.879	TRUE	2.38E-08
FEV1FVC	S100A9	cg25286012	rs3006471	A	T	-0.210	0.036	0.330	4.96E-09	-0.002	0.003	0.472	0.009	34.187	TRUE	9.44E-09
FEV1FVC	S100A9	cg25286012	rs72706896	G	A	-0.305	0.050	0.052	8.75E-10	-0.001	0.005	0.892	0.010	37.564	TRUE	1.22E-09
FEV1FVC	S100A9	cg26937038	rs12119788	A	G	0.378	0.051	0.115	8.76E-14	0.009	0.004	0.027	0.015	55.597	TRUE	6.55E-13
FEV1FVC	SCARB2	cg13648715	rs13111888	A	G	-0.244	0.031	0.169	3.36E-15	-0.004	0.003	0.195	0.016	62.010	TRUE	1.48E-14
FEV1FVC	SCARB2	cg13648715	rs76229059	G	A	0.260	0.035	0.140	1.51E-13	-0.005	0.004	0.175	0.015	54.527	TRUE	6.01E-13
FEV1FVC	SCARB2	cg13870520	rs12501628	C	T	-0.140	0.025	0.314	4.27E-08	0.001	0.003	0.701	0.008	30.007	TRUE	6.38E-08

FEV1FVC	SCARB2	cg13870520	rs13111888	A	G	-0.478	0.031	0.169	5.59E-55	-0.004	0.003	0.195	0.062	243.755	TRUE	1.74E-52
FEV1FVC	SCARB2	cg13870520	rs13135639	A	G	-0.147	0.024	0.397	1.16E-09	0.004	0.002	0.134	0.010	37.018	TRUE	3.68E-09
FEV1FVC	SCARB2	cg13870520	rs34343322	C	G	-0.278	0.043	0.080	8.01E-11	-0.006	0.005	0.216	0.011	42.233	TRUE	2.32E-10
FEV1FVC	SCARB2	cg13870520	rs4859567	A	T	-0.153	0.028	0.231	3.82E-08	-0.001	0.003	0.738	0.008	30.224	TRUE	5.53E-08
FEV1FVC	SCARB2	cg13870520	rs7655536	C	T	-0.194	0.031	0.189	2.68E-10	0.007	0.003	0.020	0.011	39.876	TRUE	1.41E-09
FEV1FVC	SCARB2	cg13870520	rs7694850	C	T	0.144	0.024	0.369	3.49E-09	-0.005	0.002	0.067	0.009	34.873	TRUE	1.28E-08
FEV1FVC	SCARB2	cg17465343	rs10006380	T	C	0.183	0.030	0.197	1.03E-09	-0.002	0.003	0.491	0.010	37.239	TRUE	1.99E-09
FEV1FVC	SCARB2	cg17465343	rs112253234	C	T	-0.616	0.076	0.024	4.08E-16	-0.012	0.007	0.090	0.018	66.162	TRUE	2.59E-15
FEV1FVC	SCARB2	cg17465343	rs112868025	G	A	0.232	0.036	0.133	1.30E-10	-0.008	0.004	0.032	0.011	41.286	TRUE	6.35E-10
FEV1FVC	SCARB2	cg17465343	rs1530297	A	G	0.163	0.024	0.421	6.12E-12	-0.004	0.002	0.125	0.013	47.265	TRUE	2.38E-11
FEV1FVC	SCARB2	cg17465343	rs17001970	T	C	-0.379	0.048	0.058	4.78E-15	0.001	0.005	0.809	0.016	61.316	TRUE	9.25E-15
FEV1FVC	SCARB2	cg17465343	rs34855591	C	T	-0.324	0.057	0.045	1.15E-08	0.000	0.006	0.956	0.009	32.547	TRUE	1.47E-08
FEV1FVC	SCARB2	cg17465343	rs4859611	T	C	-0.195	0.026	0.280	3.72E-14	0.001	0.003	0.738	0.015	57.278	TRUE	7.36E-14
FEV1FVC	SCARB2	cg17465343	rs6812193	T	C	-0.183	0.024	0.361	1.58E-14	-0.008	0.003	7.22E-04	0.016	58.969	TRUE	2.77E-13
FEV1FVC	SCARB2	cg17465343	rs72655538	C	G	-0.849	0.032	0.149	6.81E-157	-0.005	0.003	0.167	0.161	711.767	TRUE	6.34E-145
FEV1FVC	SCARB2	cg17465343	rs7349626	A	C	-0.268	0.042	0.087	1.77E-10	0.002	0.005	0.661	0.011	40.684	TRUE	3.09E-10
FEV1FVC	SCARB2	cg17465343	rs9991821	A	G	-0.217	0.027	0.212	2.70E-15	-0.004	0.003	0.177	0.017	62.443	TRUE	1.19E-14
FEV1FVC	SCARB2	cg19050061	rs11547135	T	C	-0.158	0.025	0.341	3.24E-10	-0.001	0.003	0.751	0.011	39.504	TRUE	5.17E-10
FEV1FVC	SCARB2	cg19878838	rs12640185	C	T	0.278	0.024	0.411	4.13E-32	-0.001	0.002	0.623	0.036	139.054	TRUE	3.41E-31
FEV1FVC	SCARB2	cg25841625	rs144649278	C	T	0.801	0.104	0.015	1.42E-14	-0.007	0.010	0.489	0.016	59.172	TRUE	3.77E-14
FEV1FVC	SCARB2	cg25841625	rs3733259	A	G	-0.322	0.033	0.145	2.02E-22	0.011	0.003	0.001	0.025	94.830	TRUE	9.25E-21
FEV1FVC	SEC22B	cg16511445	rs6670984	T	C	-0.177	0.024	0.342	5.12E-13	-0.006	0.003	0.019	0.014	52.130	TRUE	3.83E-12
FEV1FVC	SESN1	cg01304950	rs1998172	C	A	0.471	0.038	0.126	5.58E-36	0.014	0.004	8.13E-05	0.041	156.745	TRUE	3.69E-33
FEV1FVC	SESN1	cg08336300	rs6908184	T	C	-0.305	0.036	0.144	1.11E-17	0.018	0.003	4.93E-08	0.019	73.270	TRUE	1.54E-15
FEV1FVC	SESN1	cg12460075	rs13193727	T	G	1.012	0.081	0.025	7.00E-36	-0.018	0.008	0.028	0.041	156.294	TRUE	6.05E-34
FEV1FVC	SESN1	cg12460075	rs13207770	A	G	0.338	0.041	0.105	2.12E-16	-0.005	0.004	0.182	0.018	67.447	TRUE	1.05E-15
FEV1FVC	SESN1	cg12460075	rs35079319	A	G	1.366	0.062	0.044	5.01E-106	-0.008	0.006	0.212	0.114	478.042	TRUE	9.83E-100
FEV1FVC	SESN1	cg12914954	rs17070143	A	G	-1.515	0.088	0.024	7.39E-67	0.015	0.009	0.079	0.075	298.228	TRUE	2.62E-63
FEV1FVC	SESN1	cg12914954	rs60468951	T	C	-1.169	0.097	0.020	2.15E-33	0.025	0.010	0.011	0.038	144.924	TRUE	2.03E-31
FEV1FVC	SESN1	cg17117243	rs408944	C	G	-0.141	0.026	0.387	4.58E-08	-0.004	0.002	0.150	0.008	29.869	TRUE	1.21E-07
FEV1FVC	SESN1	cg17117243	rs9384702	T	A	0.209	0.034	0.175	5.44E-10	0.006	0.003	0.070	0.010	38.492	TRUE	2.09E-09
FEV1FVC	SFRP1	cg00000321	rs72643819	T	G	-0.149	0.026	0.382	1.33E-08	0.008	0.003	0.001	0.009	32.269	TRUE	9.53E-08
FEV1FVC	SFRP1	cg01074584	rs921142	C	T	-0.162	0.026	0.388	5.29E-10	0.009	0.002	1.77E-04	0.010	38.546	TRUE	6.57E-09
FEV1FVC	SFRP1	cg03133371	rs1562420	G	A	-0.164	0.026	0.395	2.17E-10	0.009	0.002	1.35E-04	0.011	40.287	TRUE	2.94E-09
FEV1FVC	SFRP1	cg07935886	rs72643819	T	G	-0.179	0.026	0.382	7.44E-12	0.008	0.003	0.001	0.013	46.881	TRUE	8.57E-11
FEV1FVC	SFRP1	cg10406295	rs1159162	G	A	-0.142	0.026	0.396	4.31E-08	0.009	0.002	1.32E-04	0.008	29.986	TRUE	4.02E-07
FEV1FVC	SFRP1	cg14824386	rs968427	C	T	-0.163	0.026	0.437	2.11E-10	0.005	0.002	0.030	0.011	40.338	TRUE	1.04E-09
FEV1FVC	SFRP1	cg14904908	rs1562420	G	A	-0.242	0.026	0.395	6.52E-21	0.009	0.002	1.35E-04	0.023	87.961	TRUE	4.38E-19
FEV1FVC	SFRP1	cg16498741	rs7832749	A	G	-0.144	0.026	0.396	3.65E-08	0.004	0.002	0.131	0.008	30.308	TRUE	1.01E-07
FEV1FVC	SFRP1	cg23331238	rs4370520	A	G	0.203	0.028	0.282	4.53E-13	-0.004	0.003	0.170	0.014	52.372	TRUE	1.73E-12
FEV1FVC	SFRP1	cg23331238	rs9298612	A	T	-0.363	0.026	0.396	3.43E-45	0.004	0.002	0.124	0.051	198.905	TRUE	4.06E-43
FEV1FVC	SFRP1	cg25927227	rs10088390	G	C	0.514	0.061	0.045	3.23E-17	0.001	0.006	0.845	0.019	71.159	TRUE	6.83E-17

FEV1FVC	SFRP1	cg25927227	rs116957640	A	G	0.688	0.115	0.026	2.61E-09	-0.007	0.007	0.353	0.009	35.432	TRUE	5.64E-09
FEV1FVC	SFRP1	cg25927227	rs4392880	T	C	0.257	0.026	0.405	2.57E-23	-0.001	0.002	0.698	0.026	98.912	TRUE	9.33E-23
FEV1FVC	SFRP1	cg25927227	rs62642278	T	C	-0.259	0.047	0.080	3.20E-08	-0.003	0.004	0.447	0.008	30.563	TRUE	5.92E-08
FEV1FVC	SFRP1	cg25927227	rs7007338	T	C	0.234	0.039	0.126	1.79E-09	-0.008	0.004	0.023	0.010	36.176	TRUE	8.35E-09
FEV1FVC	SFRP1	cg25927227	rs7823630	C	T	0.695	0.024	0.400	2.84E-177	0.006	0.002	0.011	0.179	805.443	TRUE	2.68E-161
FEV1FVC	SFRP1	cg25927227	rs79026888	G	A	0.424	0.066	0.037	1.17E-10	-0.010	0.006	0.097	0.011	41.488	TRUE	4.37E-10
FEV1FVC	SFRP1	cg25927227	rs936271	A	G	0.245	0.028	0.307	5.46E-19	0.006	0.003	0.025	0.021	79.213	TRUE	7.39E-18
FEV1FVC	SFRP2	cg00705808	rs10032475	T	C	-0.258	0.027	0.244	1.07E-21	0.004	0.003	0.149	0.024	91.534	TRUE	9.05E-21
FEV1FVC	SFRP2	cg00705808	rs13115230	T	A	0.162	0.024	0.372	2.29E-11	0.008	0.003	0.002	0.012	44.685	TRUE	2.22E-10
FEV1FVC	SFRP2	cg01821854	rs1456399	T	C	-0.166	0.028	0.231	2.71E-09	0.007	0.003	0.016	0.009	35.361	TRUE	1.37E-08
FEV1FVC	SFRP2	cg01821854	rs55895613	T	G	0.192	0.028	0.217	9.26E-12	-0.015	0.003	1.28E-07	0.012	46.455	TRUE	3.93E-10
FEV1FVC	SFRP2	cg03202804	rs1902467	C	A	-0.235	0.023	0.473	1.25E-23	-0.009	0.002	1.99E-04	0.026	100.344	TRUE	1.06E-21
FEV1FVC	SFRP2	cg04959480	rs1545604	T	C	0.208	0.027	0.241	1.70E-14	-0.017	0.003	1.85E-09	0.016	58.816	TRUE	1.85E-12
FEV1FVC	SFRP2	cg04965141	rs17030434	C	T	0.168	0.030	0.187	2.19E-08	0.005	0.003	0.076	0.008	31.299	TRUE	7.00E-08
FEV1FVC	SFRP2	cg05050042	rs1598633	C	A	-0.162	0.023	0.490	4.40E-12	-0.008	0.002	4.41E-04	0.013	47.914	TRUE	6.17E-11
FEV1FVC	SFRP2	cg05241277	rs4696507	G	A	0.230	0.027	0.247	1.08E-17	-0.017	0.003	2.22E-10	0.019	73.313	TRUE	3.16E-15
FEV1FVC	SFRP2	cg05774801	rs13102996	A	C	-0.165	0.023	0.471	1.39E-12	-0.008	0.002	7.36E-04	0.013	50.174	TRUE	1.93E-11
FEV1FVC	SFRP2	cg05961809	rs11726052	C	T	-0.255	0.023	0.473	2.56E-28	-0.009	0.002	1.95E-04	0.032	121.733	TRUE	4.24E-26
FEV1FVC	SFRP2	cg05961809	rs7685393	C	G	0.141	0.024	0.364	4.16E-09	0.006	0.003	0.017	0.009	34.530	TRUE	2.03E-08
FEV1FVC	SFRP2	cg07999845	rs62325113	G	A	0.170	0.027	0.234	2.25E-10	-0.016	0.003	8.67E-09	0.011	40.214	TRUE	8.75E-09
FEV1FVC	SFRP2	cg09788843	rs10032475	T	C	-0.191	0.027	0.244	1.64E-12	0.004	0.003	0.149	0.013	49.848	TRUE	6.22E-12
FEV1FVC	SFRP2	cg09788843	rs56413502	A	T	0.271	0.027	0.235	1.93E-23	-0.017	0.003	8.77E-10	0.026	99.479	TRUE	1.38E-20
FEV1FVC	SFRP2	cg10663078	rs10032475	T	C	-0.157	0.027	0.244	6.70E-09	0.004	0.003	0.149	0.009	33.600	TRUE	1.87E-08
FEV1FVC	SFRP2	cg10663078	rs17371468	C	G	0.218	0.027	0.237	1.12E-15	-0.017	0.003	7.29E-10	0.017	64.176	TRUE	1.96E-13
FEV1FVC	SFRP2	cg11354906	rs7685393	C	G	0.139	0.024	0.364	9.53E-09	0.006	0.003	0.017	0.009	32.917	TRUE	4.45E-08
FEV1FVC	SFRP2	cg13357229	rs1898830	G	A	-0.191	0.025	0.349	1.10E-14	0.005	0.003	0.031	0.016	59.684	TRUE	8.53E-14
FEV1FVC	SFRP2	cg13357229	rs41320045	A	T	0.268	0.027	0.235	7.05E-23	-0.017	0.003	7.99E-10	0.026	96.915	TRUE	4.53E-20
FEV1FVC	SFRP2	cg13357229	rs6820559	T	G	-0.291	0.042	0.078	5.43E-12	0.000	0.004	0.923	0.013	47.500	TRUE	8.13E-12
FEV1FVC	SFRP2	cg13732865	rs62325113	G	A	0.228	0.027	0.234	5.74E-17	-0.016	0.003	8.67E-09	0.019	70.027	TRUE	8.78E-15
FEV1FVC	SFRP2	cg13732865	rs80061275	T	G	-0.160	0.028	0.232	8.04E-09	0.006	0.003	0.028	0.009	33.248	TRUE	3.42E-08
FEV1FVC	SFRP2	cg14289246	rs10010787	A	G	-0.873	0.029	0.185	1.47E-205	0.006	0.003	0.063	0.202	935.492	TRUE	2.94E-186
FEV1FVC	SFRP2	cg14289246	rs111502569	C	G	-0.748	0.073	0.026	1.72E-24	-0.001	0.007	0.878	0.027	104.262	TRUE	5.45E-24
FEV1FVC	SFRP2	cg14289246	rs116150718	T	C	0.516	0.069	0.027	6.65E-14	-0.014	0.007	0.050	0.015	56.138	TRUE	4.10E-13
FEV1FVC	SFRP2	cg14289246	rs12504298	T	C	-0.452	0.044	0.077	2.39E-24	0.002	0.005	0.636	0.027	103.614	TRUE	1.03E-23
FEV1FVC	SFRP2	cg14289246	rs146245837	T	C	-0.559	0.092	0.015	1.00E-09	0.002	0.010	0.819	0.010	37.305	TRUE	1.48E-09
FEV1FVC	SFRP2	cg14289246	rs1595625	A	G	0.270	0.023	0.465	4.21E-31	-0.007	0.002	0.005	0.035	134.442	TRUE	4.07E-29
FEV1FVC	SFRP2	cg14289246	rs41320045	A	T	0.880	0.025	0.235	4.13E-265	-0.017	0.003	7.99E-10	0.246	1209.329	TRUE	5.72E-230
FEV1FVC	SFRP2	cg14289246	rs4428263	T	A	0.571	0.045	0.069	2.67E-37	-0.013	0.004	0.004	0.042	162.783	TRUE	6.35E-35
FEV1FVC	SFRP2	cg14289246	rs9654223	T	C	0.137	0.023	0.482	4.38E-09	0.001	0.002	0.584	0.009	34.428	TRUE	7.51E-09
FEV1FVC	SFRP2	cg14435644	rs10032475	T	C	-0.176	0.027	0.244	8.18E-11	0.004	0.003	0.149	0.011	42.191	TRUE	2.69E-10
FEV1FVC	SFRP2	cg14435644	rs56413502	A	T	0.238	0.027	0.235	1.95E-18	-0.017	0.003	8.77E-10	0.020	76.695	TRUE	5.26E-16
FEV1FVC	SFRP2	cg20727217	rs1020704	T	C	0.224	0.027	0.237	1.78E-16	-0.017	0.003	3.61E-10	0.018	67.798	TRUE	4.01E-14

FEV1FVC	SFRP2	cg21630608	rs56413502	A	T	0.225	0.027	0.235	1.49E-16	-0.017	0.003	8.77E-10	0.018	68.146	TRUE	2.74E-14
FEV1FVC	SFRP2	cg21657059	rs3747522	A	G	-0.173	0.027	0.240	2.02E-10	0.005	0.003	0.076	0.011	40.429	TRUE	7.78E-10
FEV1FVC	SFRP2	cg22178613	rs10010771	T	C	0.179	0.024	0.454	2.86E-14	0.006	0.002	0.013	0.015	57.798	TRUE	2.72E-13
FEV1FVC	SFRP2	cg22178613	rs1898831	G	A	-0.333	0.036	0.117	9.24E-21	-0.013	0.004	2.85E-04	0.023	87.271	TRUE	4.83E-19
FEV1FVC	SFRP2	cg22178613	rs3804099	C	T	-0.177	0.024	0.438	5.86E-14	-0.008	0.002	0.002	0.015	56.387	TRUE	8.32E-13
FEV1FVC	SFRP2	cg22178613	rs62332094	A	C	0.229	0.040	0.088	1.11E-08	0.002	0.004	0.558	0.009	32.612	TRUE	1.92E-08
FEV1FVC	SFRP2	cg22178613	rs72731618	A	T	-0.318	0.044	0.077	6.75E-13	-0.011	0.004	0.008	0.014	51.587	TRUE	6.03E-12
FEV1FVC	SFRP2	cg22178613	rs732681	A	C	-0.455	0.023	0.429	8.79E-84	-0.010	0.002	4.31E-05	0.092	375.897	TRUE	3.66E-77
FEV1FVC	SFRP2	cg23121156	rs4643790	A	G	0.197	0.030	0.202	4.15E-11	0.008	0.003	0.012	0.012	43.518	TRUE	2.84E-10
FEV1FVC	SFRP2	cg23121156	rs58256618	A	G	-0.311	0.027	0.241	6.81E-31	-0.018	0.003	1.92E-10	0.035	133.492	TRUE	3.05E-27
FEV1FVC	SFRP2	cg23207990	rs4643790	A	G	0.187	0.030	0.202	3.41E-10	0.008	0.003	0.012	0.011	39.404	TRUE	2.09E-09
FEV1FVC	SFRP2	cg23207990	rs58256618	A	G	-0.360	0.027	0.241	7.69E-41	-0.018	0.003	1.92E-10	0.046	178.983	TRUE	2.40E-36
FEV1FVC	SFRP2	cg23292160	rs2251997	T	C	0.164	0.027	0.243	9.32E-10	-0.015	0.003	3.25E-08	0.010	37.441	TRUE	3.01E-08
FEV1FVC	SFRP2	cg23502475	rs1545604	T	C	0.248	0.027	0.241	4.42E-20	-0.017	0.003	1.85E-09	0.022	84.176	TRUE	1.47E-17
FEV1FVC	SFRP2	cg23502475	rs1898830	G	A	-0.154	0.025	0.349	4.33E-10	0.005	0.003	0.031	0.010	38.938	TRUE	2.06E-09
FEV1FVC	SFRP2	cg23714408	rs3747522	A	G	-0.159	0.027	0.240	5.34E-09	0.005	0.003	0.076	0.009	34.044	TRUE	1.79E-08
FEV1FVC	SFRP2	cg23910835	rs56413502	A	T	0.148	0.027	0.235	4.04E-08	-0.017	0.003	8.77E-10	0.008	30.116	TRUE	1.10E-06
FEV1FVC	SFRP2	cg24241928	rs62325113	G	A	0.312	0.027	0.234	1.89E-30	-0.016	0.003	8.67E-09	0.034	131.470	TRUE	3.50E-27
FEV1FVC	SFRP2	cg24968721	rs28367474	G	A	-0.169	0.028	0.232	1.29E-09	0.006	0.003	0.037	0.010	36.816	TRUE	5.52E-09
FEV1FVC	SFRP2	cg25775322	rs994598	C	T	-0.205	0.024	0.452	3.47E-18	-0.008	0.002	9.64E-04	0.020	75.559	TRUE	1.01E-16
FEV1FVC	SGMS1	cg03236180	rs151131602	T	C	0.589	0.099	0.014	2.74E-09	-0.012	0.010	0.209	0.009	35.339	TRUE	7.15E-09
FEV1FVC	SGMS1	cg13576994	rs10826126	A	C	0.132	0.023	0.430	1.47E-08	0.007	0.002	0.004	0.009	32.076	TRUE	8.63E-08
FEV1FVC	SGMS1	cg13799263	rs10740666	C	T	-0.160	0.026	0.272	9.38E-10	0.001	0.003	0.775	0.010	37.429	TRUE	1.45E-09
FEV1FVC	SGMS1	cg13799263	rs10826100	A	G	0.214	0.023	0.449	2.08E-20	-0.007	0.002	0.002	0.023	85.666	TRUE	6.36E-19
FEV1FVC	SGMS1	cg13799263	rs2474612	T	C	0.151	0.024	0.383	4.45E-10	-0.007	0.002	0.004	0.010	38.882	TRUE	3.38E-09
FEV1FVC	SGMS1	cg13799263	rs56323928	G	T	0.405	0.061	0.039	4.03E-11	-0.012	0.006	0.041	0.012	43.575	TRUE	2.01E-10
FEV1FVC	SGMS1	cg13799263	rs7092753	G	A	0.295	0.024	0.348	3.74E-34	-0.008	0.003	0.003	0.039	148.394	TRUE	6.47E-32
FEV1FVC	SGMS1	cg20014988	rs10740762	A	G	-0.373	0.025	0.339	2.09E-51	0.001	0.003	0.658	0.058	227.382	TRUE	1.15E-49
FEV1FVC	SGMS1	cg20014988	rs2983356	G	A	-0.311	0.046	0.080	1.33E-11	0.001	0.004	0.817	0.012	45.746	TRUE	2.14E-11
FEV1FVC	SGMS1	cg20014988	rs59120825	C	G	0.273	0.028	0.203	4.09E-22	0.004	0.003	0.164	0.025	93.438	TRUE	3.43E-21
FEV1FVC	SGMS1	cg26665667	rs10763560	G	A	0.327	0.025	0.309	8.19E-40	0.003	0.003	0.283	0.045	174.283	TRUE	2.85E-38
FEV1FVC	SGPL1	cg00527653	rs112846718	G	A	-0.518	0.048	0.063	2.19E-27	-0.011	0.005	0.023	0.031	117.474	TRUE	7.39E-26
FEV1FVC	SGPL1	cg00527653	rs12769766	A	T	0.184	0.032	0.164	5.04E-09	-0.002	0.003	0.469	0.009	34.154	TRUE	9.58E-09
FEV1FVC	SGPL1	cg05824757	rs10740360	G	A	0.158	0.027	0.258	3.55E-09	0.001	0.003	0.788	0.009	34.835	TRUE	5.21E-09
FEV1FVC	SGPL1	cg05824757	rs118185028	T	G	0.837	0.081	0.019	4.31E-25	-0.008	0.008	0.366	0.028	107.005	TRUE	2.99E-24
FEV1FVC	SGPL1	cg05824757	rs557882732	A	G	-0.276	0.048	0.062	1.05E-08	-0.025	0.012	0.033	0.009	32.734	TRUE	4.22E-08
FEV1FVC	SGPL1	cg09740037	rs111439207	G	A	0.445	0.046	0.066	1.07E-21	-0.010	0.005	0.041	0.024	91.527	TRUE	1.58E-20
FEV1FVC	SGPL1	cg13770865	rs10823607	T	C	-0.202	0.035	0.127	5.33E-09	-0.006	0.004	0.084	0.009	34.046	TRUE	1.78E-08
FEV1FVC	SGPL1	cg13770865	rs75912398	G	A	-0.526	0.048	0.063	1.62E-28	-0.011	0.005	0.028	0.032	122.639	TRUE	5.84E-27
FEV1FVC	SGPL1	cg15117516	rs11599687	G	T	-0.322	0.047	0.066	8.49E-12	-0.010	0.005	0.046	0.012	46.624	TRUE	4.39E-11
FEV1FVC	SGPL1	cg15420153	rs10823623	T	C	-0.136	0.024	0.379	1.33E-08	-0.003	0.003	0.210	0.009	32.263	TRUE	3.27E-08
FEV1FVC	SGPL1	cg15420153	rs2541228	G	A	-0.177	0.032	0.153	3.76E-08	-0.002	0.003	0.499	0.008	30.255	TRUE	6.58E-08

FEV1FVC	SGPL1	cg15420153	rs75395824	G	A	-0.690	0.046	0.064	3.89E-50	-0.011	0.005	0.032	0.057	221.562	TRUE	1.99E-47
FEV1FVC	SGPL1	cg15420153	rs7917828	G	A	-0.145	0.024	0.351	2.22E-09	-0.004	0.003	0.090	0.010	35.752	TRUE	7.61E-09
FEV1FVC	SGSH	cg01502244	rs2269374	A	G	0.168	0.024	0.393	2.19E-12	0.001	0.002	0.727	0.013	49.283	TRUE	3.93E-12
FEV1FVC	SGSH	cg06331359	rs112984162	G	C	-0.226	0.041	0.088	4.21E-08	-0.010	0.004	0.023	0.008	30.034	TRUE	1.68E-07
FEV1FVC	SGSH	cg08956673	rs139825717	G	A	-0.685	0.122	0.021	2.09E-08	-0.006	0.008	0.414	0.008	31.390	TRUE	4.02E-08
FEV1FVC	SGSH	cg08956673	rs150208213	C	T	-0.816	0.147	0.014	2.88E-08	-0.008	0.010	0.408	0.008	30.772	TRUE	5.51E-08
FEV1FVC	SGSH	cg08956673	rs72850881	A	G	-0.194	0.031	0.179	4.48E-10	0.004	0.003	0.192	0.010	38.872	TRUE	1.26E-09
FEV1FVC	SGSH	cg08956673	rs9894254	T	C	-1.323	0.057	0.042	1.43E-119	-0.001	0.006	0.931	0.127	540.255	TRUE	4.74E-113
FEV1FVC	SGSH	cg09902913	rs4889991	G	A	-0.191	0.031	0.181	5.21E-10	-0.002	0.003	0.511	0.010	38.577	TRUE	1.01E-09
FEV1FVC	SGSH	cg09902913	rs61118700	T	C	0.199	0.034	0.139	5.69E-09	0.000	0.004	0.939	0.009	33.920	TRUE	7.49E-09
FEV1FVC	SGSH	cg09902913	rs7214131	A	G	0.253	0.029	0.205	6.32E-18	-0.001	0.003	0.658	0.020	74.379	TRUE	1.69E-17
FEV1FVC	SGSH	cg09902913	rs7503034	T	C	-0.572	0.024	0.315	6.09E-123	0.000	0.003	0.936	0.131	555.748	TRUE	4.21E-116
FEV1FVC	SGSH	cg09902913	rs755341	T	C	-0.211	0.024	0.470	4.34E-19	-0.001	0.002	0.819	0.021	79.663	TRUE	1.07E-18
FEV1FVC	SGSH	cg09902913	rs79955395	T	A	-0.235	0.039	0.096	1.86E-09	0.008	0.004	0.044	0.010	36.095	TRUE	7.65E-09
FEV1FVC	SH3GLB1	cg10625266	rs114218357	A	G	1.176	0.142	0.011	1.22E-16	0.008	0.011	0.471	0.018	68.547	TRUE	3.78E-16
FEV1FVC	SH3GLB1	cg10625266	rs6687821	G	C	0.231	0.031	0.184	4.46E-14	0.010	0.003	0.001	0.015	56.925	TRUE	6.90E-13
FEV1FVC	SH3GLB1	cg11204830	rs114218357	A	G	1.008	0.141	0.011	8.81E-13	0.008	0.011	0.471	0.014	51.065	TRUE	2.12E-12
FEV1FVC	SH3GLB1	cg11204830	rs263436	A	G	0.270	0.028	0.225	2.25E-21	0.009	0.003	0.004	0.024	90.068	TRUE	7.03E-20
FEV1FVC	SH3RF1	cg05907036	rs10013658	C	A	0.398	0.023	0.496	6.20E-65	0.007	0.002	0.007	0.073	289.402	TRUE	7.24E-61
FEV1FVC	SH3RF1	cg05907036	rs35169897	T	C	-0.266	0.026	0.268	5.70E-24	-0.006	0.003	0.040	0.027	101.894	TRUE	1.06E-22
FEV1FVC	SH3RF1	cg05907036	rs4295223	A	G	-0.212	0.038	0.103	2.02E-08	-0.001	0.004	0.736	0.008	31.457	TRUE	2.98E-08
FEV1FVC	SH3RF1	cg05907036	rs72710307	C	T	-0.291	0.038	0.095	3.98E-14	-0.003	0.004	0.408	0.015	57.148	TRUE	1.12E-13
FEV1FVC	SH3RF1	cg07082484	rs112555385	G	C	-0.569	0.047	0.071	7.13E-34	-0.011	0.005	0.019	0.038	147.112	TRUE	5.72E-32
FEV1FVC	SH3RF1	cg07082484	rs11732885	C	T	0.148	0.024	0.407	8.28E-10	-0.004	0.002	0.086	0.010	37.672	TRUE	3.01E-09
FEV1FVC	SH3RF1	cg07082484	rs12508973	C	A	-0.269	0.024	0.456	4.27E-29	-0.001	0.002	0.581	0.033	125.280	TRUE	2.86E-28
FEV1FVC	SH3RF1	cg07082484	rs140619010	G	A	-0.534	0.056	0.039	1.15E-21	-0.004	0.006	0.506	0.024	91.383	TRUE	4.88E-21
FEV1FVC	SH3RF1	cg07082484	rs4072953	C	G	-0.794	0.021	0.336	<1E-200	-0.005	0.003	0.056	0.278	1426.083	TRUE	2.12E-273
FEV1FVC	SH3RF1	cg07082484	rs62333101	C	T	0.305	0.039	0.097	9.38E-15	-0.005	0.004	0.187	0.016	59.991	TRUE	4.04E-14
FEV1FVC	SH3RF1	cg07082484	rs6836768	C	T	-0.426	0.068	0.030	3.02E-10	-0.005	0.007	0.433	0.011	39.639	TRUE	6.42E-10
FEV1FVC	SH3RF1	cg07082484	rs72706443	C	T	-0.709	0.078	0.024	1.50E-19	0.007	0.007	0.337	0.022	81.765	TRUE	6.97E-19
FEV1FVC	SH3RF1	cg07082484	rs7688854	A	G	-0.483	0.036	0.117	3.05E-40	-0.004	0.004	0.249	0.045	176.247	TRUE	1.24E-38
FEV1FVC	SH3RF1	cg07082484	rs9997176	C	T	-0.562	0.055	0.045	1.95E-24	-0.004	0.006	0.548	0.027	104.015	TRUE	9.68E-24
FEV1FVC	SH3RF1	cg09178384	rs1112821	C	A	0.512	0.023	0.494	4.33E-108	0.006	0.002	0.008	0.116	487.519	TRUE	2.44E-100
FEV1FVC	SH3RF1	cg09178384	rs17710102	C	T	-0.194	0.035	0.126	3.18E-08	0.000	0.004	0.927	0.008	30.576	TRUE	4.07E-08
FEV1FVC	SH3RF1	cg09178384	rs200262160	T	C	-0.261	0.031	0.166	5.14E-17	0.005	0.003	0.149	0.019	70.245	TRUE	2.92E-16
FEV1FVC	SH3RF1	cg09178384	rs34879961	G	A	-0.234	0.034	0.139	5.59E-12	-0.009	0.003	0.011	0.013	47.443	TRUE	4.23E-11
FEV1FVC	SH3RF1	cg12257055	rs10050030	G	A	-0.385	0.025	0.307	6.62E-54	-0.006	0.003	0.017	0.061	238.833	TRUE	8.27E-51
FEV1FVC	SH3RF1	cg12257055	rs13151571	A	T	-0.236	0.042	0.083	1.46E-08	-0.011	0.004	0.009	0.009	32.085	TRUE	7.55E-08
FEV1FVC	SH3RF1	cg12257055	rs57697968	T	C	-0.235	0.035	0.128	2.40E-11	0.002	0.004	0.669	0.012	44.593	TRUE	4.31E-11
FEV1FVC	SH3RF1	cg13251507	rs10015672	A	T	-0.235	0.040	0.087	4.70E-09	-0.003	0.004	0.449	0.009	34.292	TRUE	9.12E-09
FEV1FVC	SH3RF1	cg13251507	rs1112821	C	A	0.423	0.023	0.494	1.19E-72	0.006	0.002	0.008	0.081	324.813	TRUE	4.92E-68
FEV1FVC	SH3RF1	cg13251507	rs4295223	A	G	-0.243	0.038	0.103	1.48E-10	-0.001	0.004	0.736	0.011	41.034	TRUE	2.42E-10

FEV1FVC	SH3RF1	cg13251507	rs62333101	C	T	-0.232	0.040	0.097	4.09E-09	-0.005	0.004	0.187	0.009	34.561	TRUE	1.11E-08
FEV1FVC	SH3RF1	cg13383775	rs2069	C	G	-1.364	0.055	0.041	8.70E-135	-0.004	0.006	0.533	0.142	610.171	TRUE	3.42E-126
FEV1FVC	SH3RF1	cg13383775	rs2706736	T	C	-0.149	0.025	0.348	1.84E-09	-0.007	0.003	0.006	0.010	36.120	TRUE	1.14E-08
FEV1FVC	SH3RF1	cg13383775	rs35612447	C	T	0.223	0.027	0.261	6.20E-17	-0.006	0.003	0.022	0.019	69.874	TRUE	6.81E-16
FEV1FVC	SH3RF1	cg13383775	rs4295223	A	G	-0.258	0.038	0.103	9.51E-12	-0.001	0.004	0.736	0.012	46.401	TRUE	1.65E-11
FEV1FVC	SH3RF1	cg14017034	rs4692707	C	T	-0.143	0.023	0.497	9.88E-10	0.007	0.002	0.007	0.010	37.328	TRUE	6.19E-09
FEV1FVC	SH3RF1	cg15134174	rs4692709	C	T	-0.175	0.024	0.448	9.01E-14	-0.007	0.002	0.004	0.015	55.542	TRUE	1.02E-12
FEV1FVC	SH3RF1	cg18949666	rs13141011	A	G	-0.357	0.033	0.149	5.85E-27	-0.005	0.003	0.172	0.030	115.527	TRUE	7.59E-26
FEV1FVC	SH3RF1	cg18949666	rs17710102	C	T	-0.414	0.035	0.126	1.35E-32	0.000	0.004	0.927	0.037	141.267	TRUE	7.30E-32
FEV1FVC	SH3RF1	cg18949666	rs1876398	A	G	-0.238	0.025	0.321	3.47E-21	-0.007	0.003	0.004	0.024	89.207	TRUE	9.85E-20
FEV1FVC	SH3RF1	cg18949666	rs200262160	T	C	-0.420	0.031	0.166	8.80E-42	0.005	0.003	0.149	0.047	183.293	TRUE	6.14E-40
FEV1FVC	SH3RF1	cg18949666	rs6818479	T	C	-0.239	0.042	0.113	1.03E-08	0.003	0.004	0.505	0.009	32.773	TRUE	1.87E-08
FEV1FVC	SH3RF1	cg18949666	rs71643119	T	A	-0.313	0.030	0.182	7.14E-25	-0.008	0.003	0.009	0.028	106.007	TRUE	2.47E-23
FEV1FVC	SH3RF1	cg18949666	rs72691053	A	T	-0.313	0.044	0.085	1.25E-12	-0.001	0.005	0.845	0.013	50.379	TRUE	2.07E-12
FEV1FVC	SH3RF1	cg18949666	rs72700322	G	A	0.152	0.026	0.279	5.97E-09	0.000	0.003	0.898	0.009	33.826	TRUE	7.99E-09
FEV1FVC	SH3RF1	cg18949666	rs76568960	A	G	0.381	0.051	0.134	5.48E-14	0.000	0.004	0.999	0.015	56.519	TRUE	8.43E-14
FEV1FVC	SH3RF1	cg18949666	rs79122457	C	T	-0.369	0.052	0.055	9.60E-13	0.001	0.005	0.894	0.014	50.898	TRUE	1.53E-12
FEV1FVC	SIVA1	cg10285897	rs4983547	A	G	-0.271	0.036	0.110	3.98E-14	-0.005	0.004	0.160	0.015	57.148	TRUE	1.70E-13
FEV1FVC	SIVA1	cg10909152	rs1128866	A	G	0.227	0.028	0.217	7.64E-16	0.002	0.003	0.574	0.017	64.926	TRUE	1.96E-15
FEV1FVC	SIVA1	cg10909152	rs66464514	G	A	-0.319	0.025	0.323	2.95E-38	-0.008	0.003	0.001	0.043	167.161	TRUE	1.12E-35
FEV1FVC	SIVA1	cg10909152	rs73362598	C	T	-1.585	0.168	0.012	4.93E-21	0.007	0.014	0.615	0.023	88.514	TRUE	1.71E-20
FEV1FVC	SIVA1	cg19495714	rs4983549	A	G	-0.343	0.025	0.323	3.39E-44	-0.008	0.003	0.002	0.050	194.349	TRUE	2.76E-41
FEV1FVC	SIVA1	cg19495714	rs56054225	A	G	0.170	0.028	0.217	1.44E-09	0.002	0.003	0.583	0.010	36.592	TRUE	2.56E-09
FEV1FVC	SLC26A1	cg09153458	rs10016151	G	A	0.242	0.024	0.412	3.48E-24	-0.002	0.002	0.329	0.027	102.868	TRUE	2.46E-23
FEV1FVC	SLC26A1	cg09153458	rs115657987	A	G	-0.495	0.088	0.018	1.60E-08	0.002	0.009	0.866	0.009	31.907	TRUE	2.18E-08
FEV1FVC	SLC26A1	cg09153458	rs13143527	A	G	0.280	0.024	0.392	2.76E-31	0.002	0.003	0.357	0.035	135.281	TRUE	3.38E-30
FEV1FVC	SLC26A1	cg09153458	rs138648196	A	C	-0.564	0.071	0.027	1.76E-15	0.008	0.007	0.224	0.017	63.284	TRUE	7.27E-15
FEV1FVC	SLC26A1	cg09153458	rs17802266	A	C	-0.223	0.027	0.245	1.46E-16	0.000	0.003	0.872	0.018	68.183	TRUE	2.86E-16
FEV1FVC	SLC26A1	cg09153458	rs188806036	G	C	-0.581	0.027	0.242	1.13E-104	0.004	0.003	0.198	0.113	471.823	TRUE	1.91E-98
FEV1FVC	SLC26A1	cg09153458	rs34406303	C	G	0.272	0.043	0.083	2.34E-10	0.000	0.004	0.983	0.011	40.136	TRUE	3.14E-10
FEV1FVC	SLC26A1	cg09153458	rs3733344	G	T	0.378	0.023	0.458	4.41E-61	-0.007	0.002	0.006	0.068	271.733	TRUE	2.73E-57
FEV1FVC	SLC26A1	cg09153458	rs377653964	T	C	-0.209	0.025	0.356	1.39E-17	0.007	0.003	0.007	0.019	72.821	TRUE	2.30E-16
FEV1FVC	SLC26A1	cg09153458	rs57186616	A	G	0.223	0.032	0.155	5.63E-12	0.002	0.003	0.467	0.013	47.428	TRUE	1.31E-11
FEV1FVC	SLC26A1	cg09153458	rs60684016	A	G	0.357	0.059	0.042	1.67E-09	0.006	0.006	0.354	0.010	36.306	TRUE	3.68E-09
FEV1FVC	SLC26A1	cg09153458	rs76451154	A	G	0.194	0.028	0.224	3.91E-12	-0.011	0.003	1.40E-04	0.013	48.143	TRUE	6.97E-11
FEV1FVC	SLC26A1	cg11629380	rs11936407	T	C	0.132	0.024	0.357	3.80E-08	0.005	0.003	0.051	0.008	30.232	TRUE	1.28E-07
FEV1FVC	SLC26A1	cg24226891	rs377653964	T	C	-0.140	0.024	0.356	8.49E-09	0.007	0.003	0.007	0.009	33.142	TRUE	4.74E-08
FEV1FVC	SLC26A1	cg24226891	rs4690197	T	G	-0.273	0.029	0.204	9.62E-22	0.004	0.003	0.161	0.024	91.744	TRUE	8.07E-21
FEV1FVC	SLC26A11	cg24838010	rs6565651	C	T	-0.201	0.024	0.363	2.34E-16	0.001	0.003	0.750	0.018	67.260	TRUE	5.17E-16
FEV1FVC	SLC30A1	cg01575408	rs116433736	T	C	0.497	0.084	0.016	2.92E-09	0.015	0.009	0.093	0.009	35.218	TRUE	9.72E-09
FEV1FVC	SLC30A1	cg01575408	rs12075221	T	G	0.286	0.035	0.114	2.55E-16	0.002	0.004	0.685	0.018	67.085	TRUE	5.98E-16
FEV1FVC	SLC30A1	cg01575408	rs12565970	C	T	-0.195	0.026	0.264	8.36E-14	-0.005	0.003	0.079	0.015	55.690	TRUE	4.41E-13

FEV1FVC	SLC30A1	cg01575408	rs139736682	A	G	0.650	0.087	0.015	1.05E-13	0.007	0.010	0.477	0.015	55.239	TRUE	2.66E-13
FEV1FVC	SLC30A1	cg01575408	rs141581353	T	C	0.515	0.090	0.018	1.17E-08	-0.012	0.008	0.156	0.009	32.519	TRUE	3.18E-08
FEV1FVC	SLC30A1	cg01575408	rs17639173	G	A	0.641	0.062	0.038	7.58E-25	-0.009	0.006	0.149	0.028	105.889	TRUE	8.72E-24
FEV1FVC	SLC30A1	cg01575408	rs4951758	T	C	-0.148	0.023	0.436	2.32E-10	-0.002	0.002	0.368	0.011	40.151	TRUE	5.39E-10
FEV1FVC	SLC30A1	cg01575408	rs575822062	C	T	0.523	0.093	0.029	1.61E-08	-0.038	0.038	0.319	0.009	31.896	TRUE	3.43E-08
FEV1FVC	SLC30A1	cg01575408	rs611386	T	C	-0.228	0.029	0.178	6.94E-15	0.008	0.003	0.005	0.016	60.582	TRUE	8.59E-14
FEV1FVC	SLC30A1	cg01575408	rs6540679	A	G	0.336	0.040	0.087	3.46E-17	-0.010	0.004	0.017	0.019	71.022	TRUE	4.18E-16
FEV1FVC	SLC30A1	cg01575408	rs6659316	G	T	-0.217	0.023	0.495	8.10E-21	-0.001	0.002	0.843	0.023	87.531	TRUE	2.14E-20
FEV1FVC	SLC30A1	cg01575408	rs6680424	C	T	-0.191	0.023	0.414	2.77E-16	0.002	0.002	0.389	0.018	66.922	TRUE	9.45E-16
FEV1FVC	SLC30A1	cg01575408	rs7526700	G	C	0.669	0.026	0.215	6.66E-143	-0.006	0.003	0.029	0.149	647.469	TRUE	8.63E-132
FEV1FVC	SLC30A1	cg01575408	rs7527270	A	T	0.354	0.036	0.118	5.14E-23	0.001	0.004	0.766	0.026	97.539	TRUE	1.69E-22
FEV1FVC	SLC30A1	cg01575408	rs78276214	A	T	0.402	0.049	0.056	3.37E-16	0.000	0.005	0.942	0.018	66.539	TRUE	6.04E-16
FEV1FVC	SLC30A2	cg00349061	rs11247870	A	C	0.161	0.024	0.474	8.25E-12	0.002	0.002	0.319	0.012	46.680	TRUE	2.23E-11
FEV1FVC	SLC30A2	cg00349061	rs12094933	C	T	-0.288	0.029	0.211	6.15E-24	0.010	0.003	9.26E-04	0.027	101.741	TRUE	3.66E-22
FEV1FVC	SLC30A2	cg00349061	rs55904918	C	T	0.856	0.076	0.025	3.10E-29	-0.001	0.007	0.936	0.033	125.913	TRUE	1.29E-28
FEV1FVC	SLC30A2	cg00349061	rs6675604	A	G	0.207	0.030	0.200	2.39E-12	-0.003	0.003	0.265	0.013	49.107	TRUE	7.37E-12
FEV1FVC	SLC30A2	cg00349061	rs6686190	A	G	0.858	0.037	0.105	3.32E-117	0.000	0.004	0.992	0.125	529.393	TRUE	5.38E-111
FEV1FVC	SLC30A2	cg01689405	rs1317709	G	T	-0.273	0.028	0.211	8.41E-22	0.010	0.003	9.61E-04	0.024	92.011	TRUE	3.78E-20
FEV1FVC	SLC30A9	cg07260532	rs2581454	A	G	0.302	0.031	0.186	7.81E-23	-0.009	0.003	0.006	0.025	96.712	TRUE	2.47E-21
FEV1FVC	SLC30A9	cg10652277	rs148199707	T	C	-0.541	0.083	0.035	8.62E-11	-0.003	0.007	0.692	0.011	42.088	TRUE	1.49E-10
FEV1FVC	SLC30A9	cg10652277	rs2660346	C	T	-0.495	0.030	0.183	1.13E-62	-0.008	0.003	0.007	0.070	279.041	TRUE	9.04E-59
FEV1FVC	SLC30A9	cg10652277	rs61034470	A	G	-1.030	0.178	0.011	6.57E-09	0.014	0.011	0.181	0.009	33.640	TRUE	1.74E-08
FEV1FVC	SLC30A9	cg20780337	rs35544582	C	A	-0.200	0.030	0.190	4.33E-11	-0.012	0.003	2.17E-04	0.012	43.435	TRUE	5.96E-10
FEV1FVC	SLC30A9	cg20780337	rs6830050	A	G	-1.011	0.055	0.044	1.27E-76	-0.011	0.006	0.054	0.085	343.028	TRUE	2.96E-72
FEV1FVC	SLC39A12	cg10368935	rs10764298	G	A	-0.283	0.029	0.206	2.43E-22	-0.004	0.003	0.212	0.025	94.466	TRUE	1.84E-21
FEV1FVC	SLC39A12	cg10368935	rs11012800	T	C	0.254	0.046	0.073	3.07E-08	-0.012	0.005	0.015	0.008	30.647	TRUE	1.38E-07
FEV1FVC	SLC39A12	cg10368935	rs117217016	G	C	-0.587	0.077	0.025	2.86E-14	0.003	0.007	0.643	0.015	57.795	TRUE	6.29E-14
FEV1FVC	SLC39A12	cg10368935	rs12262907	T	C	0.387	0.026	0.283	1.72E-51	-0.004	0.003	0.126	0.058	227.762	TRUE	4.33E-49
FEV1FVC	SLC39A12	cg10368935	rs45447194	C	G	-0.202	0.033	0.149	9.64E-10	-0.005	0.003	0.131	0.010	37.377	TRUE	3.01E-09
FEV1FVC	SLC39A12	cg10368935	rs7074587	A	G	-0.139	0.024	0.488	4.08E-09	-0.006	0.002	0.012	0.009	34.566	TRUE	2.10E-08
FEV1FVC	SLC39A12	cg10368935	rs7914927	T	C	0.723	0.060	0.039	7.21E-34	-0.001	0.006	0.808	0.038	147.089	TRUE	5.13E-33
FEV1FVC	SLC39A12	cg15072619	rs117217016	G	C	0.542	0.077	0.025	2.15E-12	0.003	0.007	0.643	0.013	49.319	TRUE	4.23E-12
FEV1FVC	SLC39A12	cg15072619	rs12360277	G	T	-0.318	0.048	0.065	4.93E-11	-0.012	0.005	0.018	0.012	43.179	TRUE	2.92E-10
FEV1FVC	SLC39A12	cg15072619	rs16916984	A	G	-0.730	0.059	0.040	7.94E-35	-0.001	0.006	0.802	0.039	151.469	TRUE	6.27E-34
FEV1FVC	SLC39A12	cg15072619	rs2437267	G	A	0.158	0.023	0.457	1.59E-11	-0.003	0.002	0.283	0.012	45.399	TRUE	4.44E-11
FEV1FVC	SLC39A12	cg15072619	rs74548180	T	C	-0.225	0.025	0.325	3.24E-19	0.006	0.003	0.024	0.021	80.239	TRUE	4.51E-18
FEV1FVC	SLC39A12	cg15072619	rs80188455	A	G	0.600	0.034	0.130	8.66E-69	-0.009	0.003	0.007	0.077	307.089	TRUE	1.94E-64
FEV1FVC	SLC39A12	cg19856444	rs12780445	T	A	-0.300	0.028	0.217	2.87E-26	-0.003	0.003	0.336	0.029	112.372	TRUE	2.34E-25
FEV1FVC	SLC39A12	cg19856444	rs78120739	T	C	0.231	0.035	0.131	3.16E-11	-0.009	0.003	0.008	0.012	44.052	TRUE	2.31E-10
FEV1FVC	SLC39A12	cg23335976	rs12359511	T	C	0.325	0.026	0.282	9.60E-37	-0.004	0.003	0.159	0.042	160.240	TRUE	3.48E-35
FEV1FVC	SLC39A12	cg23335976	rs7096615	C	T	0.283	0.052	0.050	5.00E-08	0.001	0.005	0.785	0.008	29.702	TRUE	7.00E-08
FEV1FVC	SLC39A12	cg26550234	rs12262907	T	C	-0.209	0.026	0.283	6.16E-16	-0.004	0.003	0.126	0.017	65.350	TRUE	3.31E-15

FEV1FVC	SLC39A8	cg13735704	rs11735688	C	T	0.217	0.029	0.198	1.22E-13	-0.005	0.003	0.090	0.015	54.939	TRUE	6.09E-13
FEV1FVC	SLC39A8	cg14579898	rs11933046	C	G	-0.262	0.044	0.085	2.69E-09	0.008	0.004	0.081	0.009	35.376	TRUE	9.31E-09
FEV1FVC	SLC39A8	cg14579898	rs151403	A	G	-0.303	0.025	0.320	2.75E-33	0.006	0.003	0.031	0.038	144.434	TRUE	1.64E-31
FEV1FVC	SLC39A8	cg14579898	rs6829701	A	G	0.179	0.025	0.326	8.47E-13	-0.004	0.003	0.142	0.014	51.143	TRUE	3.37E-12
FEV1FVC	SLC39A8	cg26184765	rs115945651	A	G	-0.828	0.090	0.019	4.10E-20	0.011	0.008	0.192	0.022	84.327	TRUE	2.69E-19
FEV1FVC	SLC39A8	cg26184765	rs151390	T	C	0.385	0.026	0.276	7.48E-50	-0.006	0.003	0.020	0.056	220.259	TRUE	4.58E-47
FEV1FVC	SLC39A8	cg26184765	rs151399	C	T	0.376	0.028	0.227	5.08E-41	0.004	0.003	0.159	0.046	179.808	TRUE	3.09E-39
FEV1FVC	SLC39A8	cg26184765	rs17032150	G	T	-0.554	0.032	0.155	1.96E-67	-0.004	0.003	0.190	0.075	300.875	TRUE	3.78E-64
FEV1FVC	SLC39A8	cg26184765	rs17032286	G	T	-0.931	0.097	0.026	1.06E-21	-0.004	0.007	0.632	0.024	91.556	TRUE	3.76E-21
FEV1FVC	SLC39A8	cg26184765	rs230487	C	A	-0.201	0.036	0.271	2.12E-08	0.002	0.003	0.394	0.008	31.365	TRUE	4.14E-08
FEV1FVC	SLC39A8	cg26184765	rs238490	C	A	0.242	0.024	0.351	8.69E-24	0.005	0.003	0.047	0.027	101.059	TRUE	1.53E-22
FEV1FVC	SLC39A8	cg26184765	rs2903278	G	A	-0.933	0.021	0.278	<1E-200	0.001	0.003	0.645	0.339	1899.768	TRUE	<1E-200
FEV1FVC	SLC39A8	cg26184765	rs3960787	G	A	-0.279	0.037	0.108	4.52E-14	-0.003	0.004	0.374	0.015	56.900	TRUE	1.33E-13
FEV1FVC	SLC39A8	cg26184765	rs62328509	T	G	-0.164	0.024	0.375	1.75E-11	-0.001	0.003	0.831	0.012	45.205	TRUE	2.76E-11
FEV1FVC	SLC39A8	cg26184765	rs72684892	A	G	-0.208	0.026	0.283	1.15E-15	0.001	0.003	0.676	0.017	64.123	TRUE	2.62E-15
FEV1FVC	SLC39A8	cg26184765	rs7659989	C	T	-0.373	0.031	0.169	1.71E-32	0.002	0.003	0.451	0.037	140.801	TRUE	1.94E-31
FEV1FVC	SLC39A8	cg26184765	rs7700191	A	G	-0.255	0.043	0.080	2.04E-09	0.001	0.004	0.830	0.010	35.918	TRUE	2.93E-09
FEV1FVC	SLC39A8	cg26184765	rs77160456	T	C	-0.681	0.052	0.056	6.53E-40	0.004	0.006	0.511	0.045	174.732	TRUE	1.36E-38
FEV1FVC	SMCR8	cg19346202	rs141443388	G	A	-0.419	0.070	0.024	1.64E-09	-0.002	0.008	0.833	0.010	36.340	TRUE	2.37E-09
FEV1FVC	SMCR8	cg19346202	rs4924845	G	A	-0.335	0.025	0.319	3.23E-42	-0.012	0.003	2.06E-06	0.048	185.286	TRUE	1.64E-38
FEV1FVC	SMCR8	cg19346202	rs56806702	T	G	0.178	0.032	0.168	1.98E-08	0.007	0.003	0.029	0.008	31.495	TRUE	7.92E-08
FEV1FVC	SNORD71	cg03540912	rs11646719	C	G	0.206	0.025	0.338	2.01E-16	-0.004	0.003	0.107	0.018	67.552	TRUE	1.26E-15
FEV1FVC	SNORD71	cg03540912	rs12930674	T	C	-0.139	0.025	0.305	4.43E-08	0.003	0.003	0.281	0.008	29.937	TRUE	9.54E-08
FEV1FVC	SNORD71	cg03540912	rs1559418	C	T	-0.368	0.061	0.038	1.24E-09	-0.010	0.006	0.098	0.010	36.881	TRUE	4.22E-09
FEV1FVC	SNORD71	cg03540912	rs217180	T	C	0.243	0.039	0.096	7.34E-10	-0.012	0.004	0.003	0.010	37.906	TRUE	5.30E-09
FEV1FVC	SNORD71	cg03540912	rs56387295	A	C	-0.275	0.033	0.150	1.79E-16	0.004	0.003	0.293	0.018	67.786	TRUE	7.13E-16
FEV1FVC	SNORD71	cg03540912	rs77529319	T	C	-0.206	0.029	0.209	8.03E-13	0.002	0.003	0.570	0.014	51.248	TRUE	1.76E-12
FEV1FVC	SNORD71	cg03540912	rs77823468	T	C	-0.560	0.025	0.299	8.04E-114	0.001	0.003	0.582	0.122	513.843	TRUE	1.96E-107
FEV1FVC	SNORD71	cg05708656	rs8052489	T	C	-0.141	0.024	0.358	4.45E-09	-0.002	0.003	0.394	0.009	34.397	TRUE	9.04E-09
FEV1FVC	SNX32	cg06678084	rs10896049	A	G	0.258	0.032	0.150	1.41E-15	0.005	0.003	0.167	0.017	63.717	TRUE	6.78E-15
FEV1FVC	SNX32	cg13467162	rs61895685	G	A	0.388	0.032	0.156	9.67E-35	0.005	0.003	0.154	0.039	151.079	TRUE	2.95E-33
FEV1FVC	SNX32	cg15531562	rs10791819	G	A	0.333	0.026	0.247	2.04E-36	0.001	0.003	0.679	0.041	158.744	TRUE	2.23E-35
FEV1FVC	SNX32	cg15531562	rs10896072	G	C	-0.458	0.042	0.083	1.11E-27	0.003	0.004	0.514	0.031	118.820	TRUE	7.34E-27
FEV1FVC	SNX32	cg15531562	rs111442339	C	T	-0.210	0.027	0.254	2.72E-15	0.000	0.003	0.890	0.017	62.428	TRUE	4.97E-15
FEV1FVC	SNX32	cg15531562	rs11227408	G	A	-0.602	0.069	0.057	3.43E-18	-0.008	0.005	0.134	0.020	75.586	TRUE	2.25E-17
FEV1FVC	SNX32	cg15531562	rs11551353	A	T	0.470	0.048	0.061	1.60E-22	0.008	0.005	0.098	0.025	95.292	TRUE	1.79E-21
FEV1FVC	SNX32	cg15531562	rs11605273	T	C	-0.482	0.070	0.059	4.32E-12	-0.004	0.005	0.410	0.013	47.950	TRUE	1.06E-11
FEV1FVC	SNX32	cg15531562	rs117107530	T	C	-0.465	0.068	0.031	1.10E-11	-0.011	0.007	0.109	0.012	46.122	TRUE	4.38E-11
FEV1FVC	SNX32	cg15531562	rs1201433	A	C	0.231	0.024	0.405	1.75E-22	0.003	0.003	0.281	0.025	95.117	TRUE	1.15E-21
FEV1FVC	SNX32	cg15531562	rs12418103	A	G	0.564	0.034	0.128	9.96E-62	0.008	0.004	0.023	0.069	274.701	TRUE	3.72E-58
FEV1FVC	SNX32	cg15531562	rs12802560	T	C	-0.390	0.028	0.217	6.46E-45	-0.003	0.003	0.315	0.051	197.646	TRUE	3.61E-43
FEV1FVC	SNX32	cg15531562	rs138189877	C	G	-0.547	0.100	0.017	4.23E-08	-0.027	0.010	0.007	0.008	30.025	TRUE	2.13E-07

FEV1FVC	SNX32	cg15531562	rs138924467	T	C	0.314	0.047	0.071	2.21E-11	0.002	0.005	0.706	0.012	44.749	TRUE	3.88E-11
FEV1FVC	SNX32	cg15531562	rs141399103	C	T	-0.526	0.084	0.020	4.58E-10	-0.001	0.009	0.956	0.010	38.828	TRUE	6.18E-10
FEV1FVC	SNX32	cg15531562	rs143659154	T	C	-0.402	0.071	0.028	1.65E-08	0.001	0.007	0.882	0.009	31.853	TRUE	2.20E-08
FEV1FVC	SNX32	cg15531562	rs146747472	G	C	0.603	0.077	0.022	7.04E-15	0.011	0.009	0.204	0.016	60.555	TRUE	2.90E-14
FEV1FVC	SNX32	cg15531562	rs148097428	A	G	0.337	0.056	0.047	1.37E-09	0.013	0.006	0.019	0.010	36.693	TRUE	6.81E-09
FEV1FVC	SNX32	cg15531562	rs17494956	A	G	-0.534	0.045	0.074	7.08E-33	-0.002	0.004	0.588	0.037	142.554	TRUE	6.58E-32
FEV1FVC	SNX32	cg15531562	rs2282529	A	G	-0.133	0.024	0.434	4.19E-08	-0.005	0.002	0.060	0.008	30.045	TRUE	1.37E-07
FEV1FVC	SNX32	cg15531562	rs35696016	C	G	0.434	0.034	0.147	2.32E-38	-0.002	0.003	0.563	0.043	167.637	TRUE	3.80E-37
FEV1FVC	SNX32	cg15531562	rs41302425	C	G	0.404	0.057	0.045	1.61E-12	-0.001	0.006	0.922	0.013	49.888	TRUE	2.48E-12
FEV1FVC	SNX32	cg15531562	rs473661	C	T	0.584	0.064	0.037	3.92E-20	0.005	0.007	0.426	0.022	84.412	TRUE	1.67E-19
FEV1FVC	SNX32	cg15531562	rs484983	G	A	0.182	0.024	0.416	1.89E-14	0.000	0.002	0.908	0.016	58.608	TRUE	3.26E-14
FEV1FVC	SNX32	cg15531562	rs575631	G	A	-0.962	0.017	0.483	<1E-200	-0.008	0.002	7.48E-04	0.464	3208.475	TRUE	<1E-200
FEV1FVC	SNX32	cg15531562	rs633727	G	A	-0.191	0.023	0.487	2.38E-16	-0.004	0.002	0.138	0.018	67.222	TRUE	1.28E-15
FEV1FVC	SNX32	cg15531562	rs665902	G	T	-0.296	0.052	0.049	1.32E-08	-0.004	0.005	0.448	0.009	32.285	TRUE	2.49E-08
FEV1FVC	SNX32	cg15531562	rs683191	T	G	0.443	0.042	0.083	1.85E-26	0.004	0.004	0.356	0.030	113.241	TRUE	1.48E-25
FEV1FVC	SNX32	cg15531562	rs71457704	A	G	-0.422	0.053	0.054	1.00E-15	-0.004	0.006	0.550	0.017	64.392	TRUE	2.64E-15
FEV1FVC	SNX32	cg15531562	rs72941018	A	G	-0.410	0.044	0.073	1.70E-20	0.004	0.005	0.340	0.023	86.066	TRUE	8.52E-20
FEV1FVC	SNX32	cg15531562	rs74956044	T	C	0.541	0.061	0.032	4.86E-19	0.002	0.006	0.770	0.021	79.442	TRUE	1.23E-18
FEV1FVC	SNX32	cg15531562	rs75933844	A	G	0.469	0.041	0.086	1.24E-30	-0.004	0.004	0.389	0.035	132.301	TRUE	1.33E-29
FEV1FVC	SNX32	cg15531562	rs76584642	G	T	-0.607	0.044	0.079	3.17E-44	-0.004	0.004	0.313	0.050	194.481	TRUE	1.64E-42
FEV1FVC	SNX32	cg15531562	rs76874675	C	G	0.601	0.072	0.028	6.68E-17	0.007	0.007	0.353	0.019	69.728	TRUE	2.49E-16
FEV1FVC	SNX32	cg15531562	rs7950327	G	A	0.444	0.054	0.050	2.31E-16	0.002	0.006	0.725	0.018	67.281	TRUE	5.22E-16
FEV1FVC	SNX32	cg15531562	rs79783977	G	A	0.581	0.093	0.017	4.00E-10	0.005	0.009	0.533	0.010	39.093	TRUE	7.63E-10
FEV1FVC	SNX32	cg15531562	rs801741	C	T	-0.417	0.023	0.486	8.45E-73	-0.005	0.002	0.024	0.081	325.491	TRUE	1.79E-68
FEV1FVC	SOD2	cg13221458	rs11757681	T	G	-0.426	0.025	0.436	1.11E-63	0.002	0.002	0.382	0.071	283.652	TRUE	5.88E-61
FEV1FVC	SOD2	cg13221458	rs12190141	G	A	-0.557	0.093	0.025	2.08E-09	-0.008	0.008	0.317	0.010	35.877	TRUE	4.74E-09
FEV1FVC	SOD2	cg13221458	rs13191761	G	A	0.304	0.037	0.134	8.88E-17	0.003	0.004	0.335	0.018	69.167	TRUE	3.38E-16
FEV1FVC	SOD2	cg13221458	rs3777414	G	A	-0.161	0.027	0.338	1.41E-09	0.000	0.003	0.997	0.010	36.629	TRUE	1.81E-09
FEV1FVC	SOD2	cg13221458	rs5746109	C	T	1.111	0.068	0.064	3.13E-59	0.009	0.005	0.099	0.066	263.245	TRUE	2.85E-56
FEV1FVC	SOD2	cg13221458	rs62437275	A	G	-0.558	0.055	0.056	2.79E-24	0.005	0.005	0.289	0.027	103.305	TRUE	2.10E-23
FEV1FVC	SOD2	cg13221458	rs642588	A	G	0.245	0.030	0.228	2.40E-16	-0.003	0.003	0.271	0.018	67.208	TRUE	9.87E-16
FEV1FVC	SOD2	cg13221458	rs6925266	T	C	-0.218	0.034	0.172	1.13E-10	-0.001	0.003	0.682	0.011	41.565	TRUE	1.94E-10
FEV1FVC	SOD2	cg13221458	rs73017433	C	A	0.734	0.116	0.013	2.17E-10	0.018	0.011	0.095	0.011	40.285	TRUE	7.91E-10
FEV1FVC	SOD2	cg13221458	rs75374960	C	T	-0.711	0.072	0.037	3.05E-23	-0.011	0.006	0.081	0.026	98.570	TRUE	3.99E-22
FEV1FVC	SOD2	cg13221458	rs77632648	G	C	-0.770	0.103	0.033	6.93E-14	-0.003	0.006	0.683	0.015	56.057	TRUE	1.43E-13
FEV1FVC	SOD2	cg13221458	rs9365100	A	G	-0.660	0.094	0.019	1.94E-12	-0.027	0.010	0.005	0.013	49.514	TRUE	1.81E-11
FEV1FVC	SOD2	cg13221458	rs9457699	G	T	-0.921	0.023	0.303	<1E-200	-0.007	0.003	0.008	0.301	1594.076	TRUE	7.82E-301
FEV1FVC	ST20	cg11839771	rs1081240	A	T	0.200	0.026	0.268	1.52E-14	-0.001	0.003	0.684	0.016	59.044	TRUE	3.24E-14
FEV1FVC	ST20	cg11839771	rs16971685	A	G	-0.363	0.066	0.032	3.01E-08	0.003	0.007	0.643	0.008	30.682	TRUE	4.73E-08
FEV1FVC	ST20	cg11839771	rs1814345	G	C	0.235	0.029	0.214	1.84E-16	-0.005	0.003	0.083	0.018	67.732	TRUE	1.26E-15
FEV1FVC	ST20	cg11839771	rs1829758	C	A	0.206	0.031	0.173	3.89E-11	-0.005	0.003	0.136	0.012	43.643	TRUE	1.39E-10
FEV1FVC	ST20	cg11839771	rs2562746	A	G	0.239	0.037	0.106	8.08E-11	-0.010	0.004	0.014	0.011	42.215	TRUE	5.13E-10

FEV1FVC	ST20	cg11839771	rs282798	C	T	-0.182	0.025	0.490	3.30E-13	0.003	0.002	0.232	0.014	52.995	TRUE	1.14E-12
FEV1FVC	ST20	cg11839771	rs35252136	C	G	0.170	0.024	0.345	3.28E-12	-0.003	0.003	0.180	0.013	48.488	TRUE	1.13E-11
FEV1FVC	ST20	cg11839771	rs3892157	A	G	-0.168	0.028	0.252	1.83E-09	-0.002	0.003	0.528	0.010	36.123	TRUE	3.41E-09
FEV1FVC	ST20	cg11839771	rs62026657	G	A	-0.554	0.051	0.057	7.56E-28	0.008	0.006	0.158	0.031	119.582	TRUE	1.12E-26
FEV1FVC	ST20	cg11839771	rs6495455	C	T	-0.643	0.023	0.360	7.98E-167	0.008	0.003	8.85E-04	0.170	757.416	TRUE	1.77E-151
FEV1FVC	ST20	cg11839771	rs66552844	A	G	0.297	0.032	0.171	1.47E-20	0.002	0.003	0.609	0.023	86.354	TRUE	5.01E-20
FEV1FVC	ST20	cg11839771	rs71409267	G	T	-0.283	0.032	0.155	1.90E-18	0.008	0.003	0.023	0.020	76.750	TRUE	2.41E-17
FEV1FVC	ST20	cg11839771	rs72736582	T	C	-0.238	0.040	0.088	3.71E-09	0.006	0.004	0.155	0.009	34.753	TRUE	1.04E-08
FEV1FVC	ST20	cg11839771	rs74025941	G	T	-0.304	0.046	0.065	4.25E-11	-0.001	0.005	0.883	0.012	43.470	TRUE	6.35E-11
FEV1FVC	ST20	cg18753337	rs1074390	G	A	-0.269	0.024	0.397	1.26E-29	-0.002	0.003	0.426	0.033	127.695	TRUE	1.17E-28
FEV1FVC	ST20	cg18753337	rs111800853	G	A	-0.773	0.074	0.026	2.20E-25	-0.010	0.007	0.164	0.028	108.337	TRUE	2.50E-24
FEV1FVC	ST20	cg18753337	rs11856087	A	G	-0.237	0.026	0.277	4.78E-20	-0.004	0.003	0.158	0.022	84.024	TRUE	3.47E-19
FEV1FVC	ST20	cg18753337	rs12437938	T	C	-0.936	0.078	0.023	6.91E-33	0.008	0.009	0.346	0.037	142.602	TRUE	1.01E-31
FEV1FVC	ST20	cg18753337	rs12439250	C	T	-0.528	0.095	0.031	2.77E-08	-0.007	0.006	0.245	0.008	30.846	TRUE	6.35E-08
FEV1FVC	ST20	cg18753337	rs12439449	C	G	0.147	0.025	0.323	2.97E-09	0.008	0.003	0.003	0.009	35.183	TRUE	2.10E-08
FEV1FVC	ST20	cg18753337	rs12907428	T	C	-0.260	0.024	0.417	2.36E-28	-0.002	0.002	0.427	0.032	121.892	TRUE	1.93E-27
FEV1FVC	ST20	cg18753337	rs12914365	G	A	-0.456	0.024	0.344	2.04E-80	0.004	0.003	0.129	0.089	360.445	TRUE	4.66E-76
FEV1FVC	ST20	cg18753337	rs140117705	A	G	-0.840	0.091	0.016	2.30E-20	0.008	0.009	0.363	0.023	85.467	TRUE	1.10E-19
FEV1FVC	ST20	cg18753337	rs1403252	C	T	0.255	0.037	0.103	8.84E-12	-0.005	0.004	0.210	0.012	46.546	TRUE	2.78E-11
FEV1FVC	ST20	cg18753337	rs2114713	G	T	0.167	0.024	0.426	3.03E-12	0.002	0.002	0.418	0.013	48.642	TRUE	7.56E-12
FEV1FVC	ST20	cg18753337	rs2562745	T	G	0.349	0.037	0.106	1.83E-21	-0.010	0.004	0.011	0.024	90.475	TRUE	4.09E-20
FEV1FVC	ST20	cg18753337	rs2733087	C	T	0.364	0.033	0.139	9.12E-28	-0.003	0.004	0.431	0.031	119.210	TRUE	7.15E-27
FEV1FVC	ST20	cg18753337	rs2865825	A	G	-1.141	0.022	0.206	<1E-200	-0.004	0.003	0.198	0.425	2731.202	TRUE	<1E-200
FEV1FVC	ST20	cg18753337	rs34681825	C	T	0.381	0.036	0.117	7.26E-26	0.010	0.004	0.006	0.029	110.534	TRUE	3.19E-24
FEV1FVC	ST20	cg18753337	rs35088180	A	T	-0.278	0.046	0.076	2.16E-09	0.003	0.004	0.566	0.010	35.807	TRUE	3.82E-09
FEV1FVC	ST20	cg18753337	rs400143	C	T	-0.180	0.024	0.406	4.36E-14	0.002	0.003	0.420	0.015	56.967	TRUE	1.20E-13
FEV1FVC	ST20	cg18753337	rs4778756	C	T	0.230	0.024	0.481	1.48E-22	0.001	0.003	0.776	0.025	95.442	TRUE	4.67E-22
FEV1FVC	ST20	cg18753337	rs72736538	A	G	0.440	0.081	0.024	4.93E-08	-0.007	0.008	0.384	0.008	29.728	TRUE	9.52E-08
FEV1FVC	ST20	cg18753337	rs74025941	G	T	0.309	0.046	0.065	1.72E-11	-0.001	0.005	0.883	0.012	45.240	TRUE	2.61E-11
FEV1FVC	ST20	cg18753337	rs76582486	C	G	-0.500	0.036	0.120	4.28E-44	-0.009	0.004	0.017	0.050	193.883	TRUE	1.37E-41
FEV1FVC	ST20	cg18753337	rs77013706	T	C	0.285	0.049	0.057	4.92E-09	0.006	0.005	0.253	0.009	34.201	TRUE	1.18E-08
FEV1FVC	ST20	cg18753337	rs79203348	G	C	-0.279	0.040	0.092	2.93E-12	0.000	0.004	0.912	0.013	48.707	TRUE	4.47E-12
FEV1FVC	ST20	cg18753337	rs939971	A	C	0.338	0.025	0.338	4.77E-42	0.002	0.003	0.473	0.048	184.512	TRUE	1.35E-40
FEV1FVC	ST20	cg21315874	rs113084686	G	T	0.593	0.049	0.061	1.02E-33	0.012	0.005	0.013	0.038	146.394	TRUE	9.18E-32
FEV1FVC	ST20	cg21315874	rs16971397	G	A	0.440	0.038	0.101	2.04E-30	0.009	0.004	0.022	0.034	131.315	TRUE	9.91E-29
FEV1FVC	ST20	cg21315874	rs1829758	C	A	-0.185	0.031	0.173	2.63E-09	-0.005	0.003	0.136	0.009	35.419	TRUE	7.99E-09
FEV1FVC	ST20	cg21315874	rs2586163	G	A	-0.288	0.033	0.142	6.85E-18	-0.004	0.004	0.281	0.020	74.218	TRUE	3.12E-17
FEV1FVC	ST20	cg21315874	rs282795	A	G	0.188	0.025	0.330	3.84E-14	0.004	0.003	0.150	0.015	57.216	TRUE	1.67E-13
FEV1FVC	ST20	cg21315874	rs2865831	T	A	0.214	0.024	0.354	1.28E-18	0.005	0.003	0.067	0.021	77.533	TRUE	1.16E-17
FEV1FVC	ST20	cg21315874	rs35107739	T	C	-0.313	0.028	0.215	3.67E-28	-0.005	0.003	0.079	0.032	121.014	TRUE	8.06E-27
FEV1FVC	ST20	cg21315874	rs62006355	C	T	0.331	0.060	0.043	3.19E-08	-0.005	0.007	0.423	0.008	30.572	TRUE	5.99E-08
FEV1FVC	ST20	cg21315874	rs62026581	A	G	-0.255	0.044	0.070	8.14E-09	0.004	0.004	0.388	0.009	33.223	TRUE	1.65E-08

FEV1FVC	ST20	cg21315874	rs62026657	G	A	0.349	0.051	0.057	7.33E-12	0.008	0.006	0.158	0.013	46.911	TRUE	2.60E-11
FEV1FVC	ST20	cg21315874	rs62028021	A	G	-0.257	0.040	0.089	1.03E-10	-0.008	0.004	0.046	0.011	41.738	TRUE	4.77E-10
FEV1FVC	ST20	cg21315874	rs6495456	T	C	0.702	0.022	0.360	3.47E-231	0.008	0.003	8.15E-04	0.222	1053.323	TRUE	6.76E-206
FEV1FVC	ST20	cg21315874	rs66552844	A	G	-0.205	0.032	0.171	1.45E-10	0.002	0.003	0.609	0.011	41.066	TRUE	2.67E-10
FEV1FVC	ST20	cg21315874	rs7167799	C	G	0.209	0.028	0.223	3.94E-14	-0.007	0.006	0.208	0.015	57.166	TRUE	1.52E-13
FEV1FVC	ST20	cg21315874	rs72732725	G	A	0.298	0.043	0.081	6.57E-12	-0.005	0.004	0.296	0.013	47.127	TRUE	1.84E-11
FEV1FVC	ST20	cg21315874	rs74025941	G	T	0.347	0.046	0.065	4.44E-14	-0.001	0.005	0.883	0.015	56.934	TRUE	7.62E-14
FEV1FVC	ST20	cg21315874	rs76106646	G	A	0.302	0.040	0.099	5.76E-14	-0.001	0.004	0.816	0.015	56.419	TRUE	1.04E-13
FEV1FVC	ST20	cg21315874	rs76582486	C	G	-0.238	0.036	0.120	5.78E-11	-0.009	0.004	0.017	0.011	42.870	TRUE	3.52E-10
FEV1FVC	ST20	cg21315874	rs8041120	G	A	-0.207	0.025	0.300	3.78E-16	-0.004	0.003	0.138	0.018	66.312	TRUE	2.01E-15
FEV1FVC	ST20	cg26673396	rs1081226	A	G	0.208	0.033	0.140	3.55E-10	0.000	0.003	0.926	0.011	39.323	TRUE	4.92E-10
FEV1FVC	ST20	cg26673396	rs113556507	T	A	-0.271	0.050	0.061	4.65E-08	0.012	0.005	0.011	0.008	29.841	TRUE	2.13E-07
FEV1FVC	ST20	cg26673396	rs11636338	C	A	-0.154	0.024	0.354	2.37E-10	0.004	0.003	0.084	0.011	40.112	TRUE	8.92E-10
FEV1FVC	ST20	cg26673396	rs16971332	G	A	-0.368	0.057	0.048	8.27E-11	0.007	0.006	0.226	0.011	42.171	TRUE	2.37E-10
FEV1FVC	ST20	cg26673396	rs35252136	C	G	0.163	0.024	0.345	2.58E-11	-0.003	0.003	0.180	0.012	44.451	TRUE	8.24E-11
FEV1FVC	ST20	cg26673396	rs36043829	G	A	0.305	0.028	0.214	4.86E-27	-0.005	0.003	0.077	0.030	115.893	TRUE	9.50E-26
FEV1FVC	ST20	cg26673396	rs449923	G	T	-0.142	0.025	0.331	9.17E-09	0.004	0.003	0.165	0.009	32.993	TRUE	2.41E-08
FEV1FVC	ST20	cg26673396	rs577212954	T	C	-0.280	0.043	0.099	8.01E-11	-0.001	0.004	0.816	0.011	42.232	TRUE	1.24E-10
FEV1FVC	ST20	cg26673396	rs74025941	G	T	-0.470	0.046	0.065	9.35E-25	-0.001	0.005	0.883	0.028	105.472	TRUE	3.01E-24
FEV1FVC	ST20	cg26673396	rs8026997	C	T	-0.497	0.024	0.358	1.88E-96	0.008	0.003	7.42E-04	0.105	434.068	TRUE	3.09E-89
FEV1FVC	STAT5A	cg03001305	rs34129849	C	A	0.218	0.025	0.288	9.52E-18	0.007	0.003	0.011	0.020	73.570	TRUE	1.35E-16
FEV1FVC	STAT5A	cg05117208	rs548972072	G	C	-0.159	0.027	0.253	4.28E-09	0.006	0.003	0.017	0.009	34.472	TRUE	2.05E-08
FEV1FVC	STAT5A	cg05117208	rs62076928	A	G	-0.379	0.025	0.289	8.49E-51	0.007	0.003	0.010	0.057	224.590	TRUE	8.33E-48
FEV1FVC	STAT5A	cg06357561	rs34129849	C	A	0.204	0.025	0.288	1.06E-15	0.007	0.003	0.011	0.017	64.289	TRUE	1.18E-14
FEV1FVC	STAT5A	cg14042635	rs73983710	A	G	0.451	0.082	0.020	4.09E-08	0.008	0.009	0.371	0.008	30.092	TRUE	8.01E-08
FEV1FVC	STAT5A	cg17478203	rs79843305	T	A	-0.163	0.026	0.290	1.73E-10	0.007	0.003	0.009	0.011	40.726	TRUE	1.11E-09
FEV1FVC	STAT5A	cg20388732	rs11079041	A	T	-0.277	0.025	0.290	1.05E-27	0.007	0.003	0.008	0.031	118.923	TRUE	5.30E-26
FEV1FVC	STAT5B	cg18810026	rs62076928	A	G	-0.311	0.025	0.289	7.84E-35	0.007	0.003	0.010	0.039	151.494	TRUE	8.76E-33
FEV1FVC	STAT5B	cg19465320	rs112220485	C	T	0.231	0.041	0.090	1.97E-08	0.010	0.004	0.018	0.008	31.512	TRUE	8.59E-08
FEV1FVC	STAT5B	cg19465320	rs9908318	T	G	0.246	0.025	0.289	5.05E-22	0.007	0.003	0.007	0.025	93.018	TRUE	1.38E-20
FEV1FVC	STBD1	cg06978288	rs10029710	T	C	0.200	0.031	0.179	7.46E-11	0.002	0.003	0.499	0.011	42.371	TRUE	1.54E-10
FEV1FVC	STBD1	cg06978288	rs112525409	T	C	0.433	0.070	0.029	5.48E-10	0.007	0.007	0.319	0.010	38.477	TRUE	1.29E-09
FEV1FVC	STBD1	cg06978288	rs12501628	C	T	0.257	0.025	0.314	4.37E-24	0.001	0.003	0.701	0.027	102.420	TRUE	1.69E-23
FEV1FVC	STBD1	cg06978288	rs12548	C	A	-0.289	0.053	0.101	4.97E-08	0.005	0.004	0.246	0.008	29.713	TRUE	1.11E-07
FEV1FVC	STBD1	cg06978288	rs1441914	T	C	-0.423	0.024	0.417	2.32E-71	0.007	0.002	0.003	0.079	318.885	TRUE	1.24E-66
FEV1FVC	STBD1	cg06978288	rs344136	C	A	-0.146	0.026	0.316	1.31E-08	0.003	0.003	0.206	0.009	32.301	TRUE	3.26E-08
FEV1FVC	STBD1	cg06978288	rs4859684	C	T	0.216	0.025	0.342	2.40E-18	-0.005	0.003	0.064	0.020	76.289	TRUE	2.11E-17
FEV1FVC	STBD1	cg06978288	rs56717028	G	A	0.393	0.061	0.037	1.18E-10	0.006	0.006	0.379	0.011	41.475	TRUE	2.74E-10
FEV1FVC	STBD1	cg06978288	rs72657823	A	G	0.359	0.051	0.051	2.19E-12	-0.001	0.005	0.877	0.013	49.279	TRUE	3.50E-12
FEV1FVC	STBD1	cg17010112	rs56049812	C	A	-0.439	0.024	0.450	6.13E-78	0.004	0.002	0.066	0.086	349.074	TRUE	1.57E-73
FEV1FVC	STBD1	cg17010112	rs6532385	G	A	0.403	0.038	0.105	1.22E-26	0.000	0.004	0.980	0.030	114.077	TRUE	3.94E-26
FEV1FVC	STBD1	cg18651932	rs111332382	C	T	0.468	0.073	0.026	1.57E-10	-0.016	0.007	0.019	0.011	40.916	TRUE	8.81E-10

FEV1FVC	STBD1	cg18651932	rs2119731	G	A	0.169	0.024	0.381	4.25E-12	-0.001	0.003	0.636	0.013	47.981	TRUE	8.30E-12
FEV1FVC	STBD1	cg18651932	rs4859688	C	T	0.161	0.026	0.256	8.37E-10	-0.006	0.003	0.029	0.010	37.652	TRUE	4.00E-09
FEV1FVC	STBD1	cg18651932	rs61402764	T	C	-0.460	0.023	0.452	1.49E-85	0.005	0.002	0.055	0.094	384.030	TRUE	1.77E-80
FEV1FVC	STBD1	cg18651932	rs6818773	C	A	0.572	0.037	0.105	1.58E-52	0.000	0.004	0.982	0.059	232.524	TRUE	5.47E-51
FEV1FVC	STBD1	cg19406117	rs4272041	G	A	-0.134	0.024	0.452	2.33E-08	0.005	0.002	0.057	0.008	31.184	TRUE	8.02E-08
FEV1FVC	STK3	cg02675173	rs10955190	C	G	-0.197	0.026	0.336	9.44E-14	-0.007	0.003	0.009	0.015	55.450	TRUE	9.32E-13
FEV1FVC	STK3	cg20673075	rs11783271	T	G	0.292	0.052	0.063	1.99E-08	-0.010	0.005	0.041	0.008	31.490	TRUE	7.45E-08
FEV1FVC	STK3	cg20673075	rs11987297	C	T	0.435	0.034	0.160	3.97E-37	0.003	0.003	0.445	0.042	161.997	TRUE	7.12E-36
FEV1FVC	STK3	cg20673075	rs146570205	T	G	-0.368	0.066	0.043	2.72E-08	-0.010	0.006	0.087	0.008	30.883	TRUE	8.34E-08
FEV1FVC	STK3	cg20673075	rs1788161	A	T	0.233	0.033	0.170	7.97E-13	0.009	0.003	0.006	0.014	51.263	TRUE	7.26E-12
FEV1FVC	STK3	cg20673075	rs185727840	T	C	-0.531	0.063	0.040	3.19E-17	0.010	0.007	0.146	0.019	71.185	TRUE	1.84E-16
FEV1FVC	STK3	cg20673075	rs2922073	G	T	-0.622	0.026	0.294	5.62E-125	-0.005	0.003	0.078	0.133	565.095	TRUE	2.57E-116
FEV1FVC	STK3	cg20673075	rs4735563	T	C	0.475	0.080	0.027	3.20E-09	-0.003	0.007	0.708	0.009	35.038	TRUE	5.04E-09
FEV1FVC	STK3	cg20673075	rs549854915	C	A	-0.574	0.059	0.047	4.84E-22	0.008	0.006	0.192	0.025	93.102	TRUE	3.81E-21
FEV1FVC	STXBP2	cg04770751	rs1862515	G	A	0.279	0.024	0.355	1.40E-30	0.006	0.002	0.026	0.034	132.055	TRUE	7.09E-29
FEV1FVC	STXBP2	cg04770751	rs8104867	A	G	0.139	0.025	0.339	1.75E-08	0.002	0.003	0.364	0.009	31.741	TRUE	3.49E-08
FEV1FVC	STXBP2	cg14732907	rs794074	G	A	0.176	0.024	0.398	1.70E-13	-0.001	0.003	0.578	0.014	54.291	TRUE	3.81E-13
FEV1FVC	STXBP2	cg15576517	rs12972299	A	C	0.175	0.029	0.213	1.38E-09	0.004	0.003	0.175	0.010	36.684	TRUE	3.90E-09
FEV1FVC	STXBP2	cg15576517	rs2161491	G	A	-0.317	0.031	0.213	6.90E-24	-0.005	0.003	0.101	0.027	101.516	TRUE	8.95E-23
FEV1FVC	STXBP2	cg15576517	rs2431866	A	C	-0.340	0.053	0.102	1.47E-10	0.002	0.004	0.686	0.011	41.045	TRUE	2.51E-10
FEV1FVC	STXBP2	cg15576517	rs2446182	C	G	-0.228	0.029	0.208	1.63E-15	0.000	0.003	0.921	0.017	63.438	TRUE	2.91E-15
FEV1FVC	STXBP2	cg15576517	rs4380150	T	A	-0.240	0.035	0.154	5.12E-12	0.008	0.003	0.015	0.013	47.615	TRUE	3.57E-11
FEV1FVC	STXBP2	cg15576517	rs752972	A	G	0.225	0.033	0.158	7.78E-12	-0.003	0.003	0.365	0.012	46.796	TRUE	1.98E-11
FEV1FVC	STXBP2	cg15576517	rs794077	A	C	0.892	0.021	0.372	<1E-200	-0.002	0.003	0.324	0.332	1837.486	TRUE	<1E-200
FEV1FVC	STXBP2	cg24433207	rs4804753	G	C	0.219	0.033	0.136	2.66E-11	0.007	0.003	0.047	0.012	44.386	TRUE	1.31E-10
FEV1FVC	STXBP2	cg24433207	rs794070	G	A	-0.200	0.027	0.237	1.96E-13	-0.004	0.003	0.118	0.014	54.016	TRUE	8.88E-13
FEV1FVC	STXBP2	cg24479032	rs56272042	C	T	0.155	0.024	0.355	1.09E-10	0.006	0.003	0.021	0.011	41.624	TRUE	5.98E-10
FEV1FVC	STXBP2	cg24759919	rs10416592	T	C	0.408	0.027	0.246	9.20E-53	0.000	0.003	0.925	0.059	233.594	TRUE	3.69E-51
FEV1FVC	STXBP2	cg24759919	rs146661810	A	G	0.559	0.080	0.021	3.13E-12	-0.009	0.009	0.295	0.013	48.581	TRUE	8.92E-12
FEV1FVC	STXBP2	cg24759919	rs151212242	C	T	0.179	0.030	0.188	3.01E-09	-0.003	0.003	0.272	0.009	35.157	TRUE	7.19E-09
FEV1FVC	STXBP2	cg24759919	rs3745367	A	G	-0.320	0.043	0.244	1.60E-13	-0.003	0.003	0.229	0.014	54.413	TRUE	5.53E-13
FEV1FVC	STXBP2	cg24759919	rs4134813	C	A	0.833	0.021	0.352	<1E-200	0.007	0.003	0.006	0.298	1569.345	TRUE	1.42E-296
FEV1FVC	STXBP2	cg24759919	rs500914	T	C	0.210	0.024	0.449	1.64E-18	0.003	0.002	0.263	0.020	77.044	TRUE	8.09E-18
FEV1FVC	STXBP2	cg24759919	rs62113379	C	T	0.269	0.030	0.189	1.48E-19	0.003	0.003	0.252	0.022	81.788	TRUE	8.03E-19
FEV1FVC	STXBP2	cg24759919	rs7260296	T	C	-0.293	0.032	0.480	8.57E-20	-0.003	0.002	0.198	0.022	82.869	TRUE	5.43E-19
FEV1FVC	STXBP2	cg24759919	rs752972	A	G	-0.189	0.033	0.158	1.00E-08	-0.003	0.003	0.365	0.009	32.818	TRUE	2.07E-08
FEV1FVC	STXBP2	cg27508769	rs35020672	C	T	0.136	0.024	0.355	1.57E-08	0.006	0.003	0.022	0.009	31.949	TRUE	6.55E-08
FEV1FVC	STXBP2	cg27546241	rs10416592	T	C	0.294	0.027	0.246	9.86E-28	0.000	0.003	0.925	0.031	119.055	TRUE	3.75E-27
FEV1FVC	STXBP2	cg27546241	rs12459044	G	C	-0.352	0.050	0.137	1.34E-12	0.003	0.004	0.488	0.013	50.244	TRUE	3.11E-12
FEV1FVC	STXBP2	cg27546241	rs3745364	T	C	0.586	0.023	0.355	2.67E-137	0.006	0.003	0.021	0.144	621.725	TRUE	8.21E-127
FEV1FVC	STXBP2	cg27546241	rs4804216	T	C	0.175	0.030	0.182	7.60E-09	0.003	0.003	0.263	0.009	33.358	TRUE	1.79E-08
FEV1FVC	STXBP2	cg27546241	rs500914	T	C	0.141	0.024	0.449	5.07E-09	0.003	0.002	0.263	0.009	34.144	TRUE	1.20E-08

FEV1FVC	STXBP2	cg27546241	rs7260296	T	C	-0.189	0.032	0.480	4.95E-09	-0.003	0.002	0.198	0.009	34.190	TRUE	1.29E-08
FEV1FVC	SUMF1	cg07465754	rs62231413	T	C	-0.265	0.045	0.069	4.19E-09	-0.002	0.005	0.736	0.009	34.514	TRUE	6.37E-09
FEV1FVC	SUMF1	cg24840601	rs901870	G	T	0.197	0.024	0.380	2.48E-16	0.011	0.002	3.14E-06	0.018	67.142	TRUE	1.59E-14
FEV1FVC	TBXAS1	cg00445997	rs1860509	G	T	-0.270	0.030	0.184	1.01E-19	0.008	0.003	0.009	0.022	82.541	TRUE	2.06E-18
FEV1FVC	TBXAS1	cg26407309	rs2058265	T	G	-0.274	0.030	0.184	4.20E-20	0.008	0.003	0.007	0.022	84.277	TRUE	9.49E-19
FEV1FVC	TERT	cg00624418	rs7725218	A	G	-0.142	0.024	0.352	5.16E-09	-0.004	0.003	0.120	0.009	34.109	TRUE	1.56E-08
FEV1FVC	TERT	cg00728907	rs4449583	T	C	-0.136	0.024	0.340	2.31E-08	-0.005	0.003	0.036	0.008	31.197	TRUE	8.67E-08
FEV1FVC	TERT	cg04524431	rs7713218	A	G	-0.198	0.023	0.475	9.76E-18	-0.003	0.002	0.300	0.019	73.520	TRUE	4.24E-17
FEV1FVC	TERT	cg06817802	rs12332579	C	T	0.186	0.031	0.172	2.82E-09	-0.002	0.003	0.600	0.009	35.287	TRUE	4.81E-09
FEV1FVC	TERT	cg06817802	rs144704378	T	C	0.485	0.079	0.059	6.30E-10	0.003	0.006	0.582	0.010	38.204	TRUE	1.14E-09
FEV1FVC	TERT	cg06817802	rs545891760	C	G	-0.565	0.091	0.014	6.16E-10	-0.010	0.009	0.278	0.010	38.248	TRUE	1.54E-09
FEV1FVC	TERT	cg07380026	rs2736102	T	C	0.217	0.025	0.343	1.80E-18	-0.001	0.003	0.676	0.020	76.857	TRUE	4.84E-18
FEV1FVC	TERT	cg07380026	rs2853672	A	C	0.139	0.024	0.496	6.99E-09	-0.001	0.002	0.581	0.009	33.519	TRUE	1.19E-08
FEV1FVC	TERT	cg11666982	rs4975616	G	A	0.132	0.023	0.422	1.85E-08	-0.001	0.002	0.643	0.008	31.627	TRUE	2.93E-08
FEV1FVC	TERT	cg13924604	rs4449583	T	C	-0.160	0.024	0.340	5.07E-11	-0.005	0.003	0.036	0.012	43.128	TRUE	2.54E-10
FEV1FVC	TERT	cg17166338	rs2736102	T	C	0.167	0.025	0.343	1.43E-11	-0.001	0.003	0.676	0.012	45.604	TRUE	2.57E-11
FEV1FVC	TERT	cg25518571	rs62332583	T	C	-0.776	0.118	0.013	4.49E-11	0.001	0.010	0.924	0.012	43.365	TRUE	6.50E-11
FEV1FVC	TERT	cg25518571	rs7725218	A	G	-0.259	0.024	0.352	8.91E-27	-0.004	0.003	0.120	0.030	114.691	TRUE	1.39E-25
FEV1FVC	TERT	cg26006951	rs37002	T	C	0.131	0.023	0.488	1.65E-08	-0.001	0.002	0.774	0.009	31.853	TRUE	2.39E-08
FEV1FVC	TERT	cg27298526	rs10866501	A	G	0.145	0.024	0.467	9.19E-10	0.002	0.002	0.411	0.010	37.469	TRUE	1.95E-09
FEV1FVC	TERT	cg27298526	rs11133695	G	C	0.410	0.038	0.101	1.03E-26	0.005	0.004	0.240	0.030	114.410	TRUE	1.08E-25
FEV1FVC	TERT	cg27298526	rs13170453	G	A	-0.196	0.029	0.213	9.62E-12	0.000	0.003	0.875	0.012	46.380	TRUE	1.47E-11
FEV1FVC	TERT	cg27298526	rs13190087	C	A	0.618	0.064	0.041	2.88E-22	-0.002	0.006	0.787	0.025	94.133	TRUE	8.80E-22
FEV1FVC	TERT	cg27298526	rs2853676	T	C	-0.170	0.026	0.269	1.04E-10	-0.001	0.003	0.724	0.011	41.725	TRUE	1.75E-10
FEV1FVC	TERT	cg27298526	rs2853685	G	A	-0.154	0.028	0.280	4.20E-08	0.000	0.003	0.935	0.008	30.040	TRUE	5.31E-08
FEV1FVC	TERT	cg27298526	rs7713218	A	G	-0.136	0.024	0.475	8.51E-09	-0.003	0.002	0.300	0.009	33.137	TRUE	1.90E-08
FEV1FVC	TFDP1	cg00407988	rs4991744	T	C	0.268	0.024	0.349	3.23E-29	-0.002	0.003	0.449	0.033	125.835	TRUE	2.75E-28
FEV1FVC	TFDP1	cg05516537	rs113922541	C	T	-0.438	0.024	0.349	4.42E-74	-0.002	0.003	0.538	0.082	331.370	TRUE	7.07E-71
FEV1FVC	TFDP1	cg07276358	rs113640105	C	T	-0.201	0.026	0.278	4.57E-15	-0.006	0.003	0.021	0.016	61.405	TRUE	3.98E-14
FEV1FVC	TFDP1	cg07804973	rs2260766	G	A	-0.198	0.026	0.277	1.24E-14	-0.006	0.003	0.018	0.016	59.447	TRUE	1.09E-13
FEV1FVC	TFDP1	cg08183317	rs2260302	A	G	0.216	0.026	0.250	1.90E-16	-0.004	0.003	0.143	0.018	67.667	TRUE	1.05E-15
FEV1FVC	TFDP1	cg09041183	rs9604156	C	G	-0.193	0.026	0.298	3.97E-14	-0.005	0.003	0.063	0.015	57.154	TRUE	2.39E-13
FEV1FVC	TFDP1	cg09200304	rs4991744	T	C	0.151	0.024	0.349	6.14E-10	-0.002	0.003	0.449	0.010	38.254	TRUE	1.26E-09
FEV1FVC	TFDP1	cg10332422	rs11618667	A	G	0.166	0.028	0.212	2.81E-09	0.000	0.003	0.917	0.009	35.292	TRUE	3.78E-09
FEV1FVC	TFDP1	cg10332422	rs12856707	A	C	0.434	0.052	0.051	7.76E-17	0.003	0.005	0.559	0.018	69.432	TRUE	2.19E-16
FEV1FVC	TFDP1	cg10332422	rs146910210	T	C	0.480	0.082	0.020	5.41E-09	-0.006	0.008	0.443	0.009	34.018	TRUE	1.05E-08
FEV1FVC	TFDP1	cg10332422	rs149131071	A	G	-0.165	0.026	0.278	2.38E-10	-0.001	0.003	0.773	0.011	40.105	TRUE	3.75E-10
FEV1FVC	TFDP1	cg10332422	rs2257834	A	C	-0.257	0.024	0.339	5.15E-26	0.006	0.003	0.013	0.029	111.214	TRUE	1.92E-24
FEV1FVC	TFDP1	cg10332422	rs3794447	A	G	0.433	0.044	0.074	4.34E-23	0.003	0.005	0.467	0.026	97.874	TRUE	2.17E-22
FEV1FVC	TFDP1	cg10332422	rs4150818	C	G	0.653	0.023	0.383	8.22E-178	-0.001	0.003	0.650	0.179	807.922	TRUE	3.46E-164
FEV1FVC	TFDP1	cg10332422	rs67574312	A	G	0.317	0.047	0.062	2.28E-11	0.004	0.005	0.399	0.012	44.694	TRUE	5.39E-11
FEV1FVC	TFDP1	cg10332422	rs79520718	T	G	0.428	0.066	0.033	1.12E-10	-0.012	0.006	0.063	0.011	41.584	TRUE	4.71E-10

FEV1FVC	TFDP1	cg11976193	rs12873993	G	A	0.331	0.024	0.347	9.83E-43	-0.002	0.003	0.502	0.048	187.653	TRUE	2.83E-41
FEV1FVC	TFDP1	cg16637188	rs9577578	C	T	-0.259	0.035	0.123	1.37E-13	0.000	0.003	0.980	0.015	54.721	TRUE	2.11E-13
FEV1FVC	TFDP1	cg17707487	rs12876456	A	G	0.222	0.024	0.347	5.81E-20	-0.002	0.003	0.468	0.022	83.636	TRUE	2.27E-19
FEV1FVC	TFDP1	cg22890571	rs7998172	A	G	0.240	0.024	0.362	1.70E-23	-0.002	0.003	0.549	0.026	99.733	TRUE	7.73E-23
FEV1FVC	TFDP1	cg25139110	rs4991744	T	C	0.167	0.024	0.349	3.65E-12	-0.002	0.003	0.449	0.013	48.276	TRUE	8.64E-12
FEV1FVC	TFDP1	cg25945004	rs2259495	C	T	-0.314	0.026	0.266	1.26E-33	-0.003	0.003	0.297	0.038	145.979	TRUE	2.20E-32
FEV1FVC	TFDP2	cg00217306	rs11706480	T	C	-0.294	0.025	0.327	8.06E-32	0.009	0.003	2.55E-04	0.036	137.725	TRUE	2.00E-29
FEV1FVC	TFDP2	cg00217306	rs147740337	T	A	-0.235	0.041	0.089	1.02E-08	0.003	0.004	0.560	0.009	32.790	TRUE	1.76E-08
FEV1FVC	TFEB	cg02284014	rs114431690	A	G	-1.012	0.074	0.028	6.40E-43	-0.017	0.007	0.019	0.048	188.506	TRUE	1.60E-40
FEV1FVC	TFEB	cg02284014	rs13214412	T	C	-0.265	0.026	0.259	9.57E-24	-0.004	0.003	0.159	0.027	100.867	TRUE	9.73E-23
FEV1FVC	TFEB	cg02284014	rs140136183	C	G	-0.519	0.068	0.030	1.86E-14	-0.005	0.006	0.403	0.016	58.647	TRUE	5.43E-14
FEV1FVC	TFEB	cg02284014	rs2057067	A	G	-0.237	0.030	0.188	3.89E-15	-0.006	0.003	0.041	0.016	61.721	TRUE	2.97E-14
FEV1FVC	TFEB	cg02284014	rs9381105	A	G	-0.181	0.029	0.228	4.29E-10	-0.002	0.003	0.520	0.010	38.955	TRUE	8.28E-10
FEV1FVC	TFEB	cg10696677	rs11969692	A	G	-0.373	0.024	0.321	5.42E-53	-0.004	0.003	0.155	0.060	234.650	TRUE	1.53E-50
FEV1FVC	TFEB	cg10696677	rs12526403	T	C	-0.449	0.078	0.047	9.03E-09	-0.004	0.006	0.500	0.009	33.022	TRUE	1.64E-08
FEV1FVC	TFEB	cg10696677	rs35250013	A	T	-0.150	0.026	0.281	4.61E-09	0.004	0.003	0.195	0.009	34.327	TRUE	1.21E-08
FEV1FVC	TFEB	cg23317857	rs12664901	G	A	-0.527	0.036	0.121	1.99E-47	-0.001	0.004	0.876	0.054	209.151	TRUE	4.78E-46
FEV1FVC	TFEB	cg23317857	rs13206766	T	C	0.220	0.037	0.244	4.45E-09	-0.002	0.003	0.573	0.009	34.399	TRUE	7.76E-09
FEV1FVC	TFEB	cg23678165	rs73733015	G	C	-0.271	0.034	0.143	1.37E-15	0.001	0.003	0.875	0.017	63.774	TRUE	2.55E-15
FEV1FVC	TFRC	cg03462622	rs114951929	A	G	-0.383	0.067	0.085	1.14E-08	0.001	0.004	0.729	0.009	32.577	TRUE	1.70E-08
FEV1FVC	TFRC	cg03462622	rs13098628	G	T	0.212	0.025	0.322	1.43E-17	-0.002	0.003	0.394	0.019	72.769	TRUE	5.22E-17
FEV1FVC	TFRC	cg03462622	rs406271	C	T	-0.543	0.024	0.288	3.86E-109	0.007	0.003	0.006	0.117	492.344	TRUE	3.15E-101
FEV1FVC	TFRC	cg03462622	rs4927870	A	C	-0.267	0.038	0.096	1.72E-12	0.002	0.004	0.687	0.013	49.747	TRUE	3.25E-12
FEV1FVC	TFRC	cg03462622	rs62408947	A	G	-0.296	0.043	0.077	4.63E-12	0.001	0.004	0.784	0.013	47.813	TRUE	7.85E-12
FEV1FVC	TFRC	cg03462622	rs6782834	G	A	0.172	0.024	0.344	2.22E-12	0.001	0.003	0.614	0.013	49.252	TRUE	4.47E-12
FEV1FVC	TFRC	cg16311045	rs112577972	G	T	-0.203	0.023	0.430	2.60E-18	-0.005	0.002	0.025	0.020	76.132	TRUE	3.19E-17
FEV1FVC	TGFB1	cg15735736	rs111840944	A	G	0.266	0.045	0.075	3.88E-09	0.005	0.004	0.243	0.009	34.665	TRUE	9.60E-09
FEV1FVC	TGFB1	cg20748073	rs16958999	G	A	0.317	0.031	0.159	6.42E-24	-0.007	0.003	0.022	0.027	101.657	TRUE	1.56E-22
FEV1FVC	TGFB2	cg01558923	rs11581605	G	A	0.295	0.028	0.237	8.41E-27	-0.024	0.003	5.88E-17	0.030	114.805	TRUE	1.13E-22
FEV1FVC	TGFB2	cg07810039	rs3121580	T	C	0.245	0.042	0.178	6.04E-09	0.028	0.003	3.09E-18	0.009	33.802	TRUE	7.22E-07
FEV1FVC	TGFB2	cg17934824	rs17047703	A	C	0.229	0.028	0.235	1.44E-16	-0.023	0.003	1.07E-16	0.018	68.218	TRUE	1.41E-13
FEV1FVC	TGFB2	cg18876728	rs114748693	A	G	-0.527	0.091	0.015	6.25E-09	-0.023	0.010	0.029	0.009	33.737	TRUE	2.65E-08
FEV1FVC	TGFB2	cg18876728	rs12118865	T	A	-0.204	0.035	0.127	5.62E-09	0.001	0.004	0.774	0.009	33.944	TRUE	8.25E-09
FEV1FVC	TGFB2	cg18876728	rs75004792	G	A	-1.286	0.149	0.014	7.19E-18	0.004	0.010	0.726	0.020	74.124	TRUE	1.80E-17
FEV1FVC	TGFB2	cg20991819	rs1473527	A	G	-0.155	0.026	0.286	2.87E-09	0.009	0.003	0.001	0.009	35.254	TRUE	2.36E-08
FEV1FVC	TGFB2	cg27508144	rs1418555	A	G	0.284	0.028	0.237	6.73E-25	-0.024	0.003	8.64E-17	0.028	106.124	TRUE	5.38E-21
FEV1FVC	THBS1	cg02291532	rs3913763	C	T	-0.232	0.037	0.105	4.87E-10	0.000	0.004	0.929	0.010	38.707	TRUE	6.67E-10
FEV1FVC	THBS1	cg02291532	rs6416433	A	G	-0.202	0.023	0.458	9.11E-18	0.002	0.002	0.322	0.020	73.657	TRUE	3.83E-17
FEV1FVC	THBS1	cg05886626	rs12442955	T	C	0.168	0.027	0.266	2.97E-10	0.003	0.003	0.354	0.011	39.671	TRUE	6.87E-10
FEV1FVC	THBS1	cg05886626	rs16969802	C	T	-0.269	0.029	0.201	1.71E-20	0.000	0.003	0.905	0.023	86.057	TRUE	4.02E-20
FEV1FVC	THBS1	cg05886626	rs2618164	T	C	-0.459	0.031	0.170	2.74E-49	-0.007	0.003	0.024	0.056	217.674	TRUE	1.54E-46
FEV1FVC	THBS1	cg05886626	rs28537569	G	T	0.186	0.026	0.287	9.42E-13	0.003	0.003	0.198	0.014	50.933	TRUE	3.25E-12

FEV1FVC	THBS1	cg05886626	rs3973363	C	A	-0.165	0.029	0.201	1.67E-08	-0.001	0.003	0.773	0.009	31.833	TRUE	2.42E-08
FEV1FVC	THBS1	cg05886626	rs6492879	C	T	0.212	0.025	0.336	2.68E-17	0.005	0.003	0.072	0.019	71.531	TRUE	2.06E-16
FEV1FVC	THBS1	cg05886626	rs66490630	C	T	-0.419	0.056	0.044	7.47E-14	0.003	0.006	0.609	0.015	55.911	TRUE	1.66E-13
FEV1FVC	THBS1	cg08293324	rs2618163	T	G	-0.345	0.026	0.292	7.61E-41	-0.001	0.003	0.721	0.046	179.007	TRUE	1.18E-39
FEV1FVC	THBS1	cg08293324	rs78911242	C	G	-0.313	0.041	0.085	2.96E-14	0.005	0.004	0.260	0.015	57.731	TRUE	1.06E-13
FEV1FVC	THBS1	cg08433504	rs997752	C	T	0.227	0.024	0.481	1.71E-21	0.002	0.002	0.338	0.024	90.606	TRUE	9.29E-21
FEV1FVC	THBS1	cg10078511	rs1105159	G	A	0.136	0.024	0.379	1.86E-08	0.002	0.002	0.369	0.008	31.618	TRUE	3.78E-08
FEV1FVC	THBS1	cg10078511	rs12910572	A	T	-0.191	0.029	0.219	2.23E-11	0.008	0.003	0.009	0.012	44.737	TRUE	1.59E-10
FEV1FVC	THBS1	cg10078511	rs1478605	A	G	-0.363	0.026	0.291	2.72E-45	-0.002	0.003	0.575	0.051	199.369	TRUE	9.02E-44
FEV1FVC	THBS1	cg10078511	rs60697424	A	G	0.204	0.037	0.117	3.88E-08	0.003	0.004	0.372	0.008	30.190	TRUE	7.62E-08
FEV1FVC	THBS1	cg10078511	rs78911242	C	G	-0.315	0.041	0.085	1.90E-14	0.005	0.004	0.260	0.016	58.599	TRUE	6.90E-14
FEV1FVC	THBS1	cg10548034	rs2618163	T	G	-0.161	0.026	0.292	4.99E-10	-0.001	0.003	0.721	0.010	38.660	TRUE	8.02E-10
FEV1FVC	THBS1	cg10576133	rs11070220	T	C	-0.229	0.035	0.120	9.51E-11	0.007	0.004	0.062	0.011	41.898	TRUE	4.05E-10
FEV1FVC	THBS1	cg12484072	rs997752	C	T	0.224	0.024	0.481	4.33E-21	0.002	0.002	0.338	0.023	88.770	TRUE	2.28E-20
FEV1FVC	THBS1	cg23116540	rs997752	C	T	0.164	0.024	0.481	7.52E-12	0.002	0.002	0.338	0.013	46.862	TRUE	1.98E-11
FEV1FVC	THBS1	cg23849826	rs2618163	T	G	-0.243	0.026	0.292	5.93E-21	-0.001	0.003	0.721	0.023	88.146	TRUE	1.79E-20
FEV1FVC	THBS1	cg23849826	rs78911242	C	G	-0.259	0.041	0.085	3.30E-10	0.005	0.004	0.260	0.011	39.466	TRUE	8.65E-10
FEV1FVC	THBS1	cg25499543	rs4429266	A	G	0.170	0.024	0.466	1.27E-12	0.004	0.002	0.100	0.013	50.351	TRUE	5.54E-12
FEV1FVC	THBS1	cg25499543	rs9806647	G	C	-0.220	0.036	0.123	7.64E-10	0.007	0.004	0.060	0.010	37.829	TRUE	2.97E-09
FEV1FVC	THBS1	cg25503381	rs2117975	A	G	-0.205	0.036	0.119	1.68E-08	0.001	0.004	0.795	0.009	31.821	TRUE	2.40E-08
FEV1FVC	THBS1	cg25503381	rs3743125	A	G	-0.294	0.036	0.121	2.36E-16	0.007	0.004	0.059	0.018	67.242	TRUE	1.78E-15
FEV1FVC	THBS1	cg25503381	rs997752	C	T	0.146	0.024	0.481	1.25E-09	0.002	0.002	0.338	0.010	36.864	TRUE	2.83E-09
FEV1FVC	TLR3	cg00306510	rs3775292	C	G	-0.261	0.028	0.209	2.38E-20	-0.005	0.003	0.078	0.023	85.404	TRUE	2.32E-19
FEV1FVC	TLR3	cg14827929	rs28524783	C	T	-0.129	0.023	0.450	4.20E-08	-0.006	0.002	0.023	0.008	30.037	TRUE	1.71E-07
FEV1FVC	TMC8	cg00447208	rs2748427	G	A	0.472	0.042	0.205	7.25E-30	0.001	0.003	0.650	0.034	128.797	TRUE	4.68E-29
FEV1FVC	TMC8	cg01125010	rs11651404	A	T	1.033	0.054	0.040	1.20E-80	0.004	0.006	0.563	0.089	361.501	TRUE	5.38E-77
FEV1FVC	TMC8	cg01125010	rs429216	G	T	0.346	0.051	0.135	1.07E-11	0.003	0.003	0.330	0.012	46.164	TRUE	2.82E-11
FEV1FVC	TMC8	cg01125010	rs56282228	C	T	0.167	0.026	0.287	1.47E-10	0.001	0.003	0.753	0.011	41.040	TRUE	2.36E-10
FEV1FVC	TMC8	cg01125010	rs57834781	T	C	-0.322	0.036	0.125	3.98E-19	-0.006	0.004	0.114	0.021	79.836	TRUE	3.09E-18
FEV1FVC	TMC8	cg01791634	rs1065769	T	C	0.161	0.025	0.321	1.17E-10	-0.001	0.003	0.614	0.011	41.485	TRUE	2.14E-10
FEV1FVC	TMC8	cg01791634	rs2748427	G	A	0.413	0.042	0.205	4.52E-23	0.001	0.003	0.650	0.026	97.795	TRUE	1.73E-22
FEV1FVC	TMC8	cg01791634	rs454138	C	G	-0.251	0.024	0.412	2.17E-26	0.005	0.002	0.068	0.030	112.926	TRUE	4.46E-25
FEV1FVC	TMC8	cg04945945	rs111843410	C	T	0.226	0.025	0.314	1.85E-19	-0.003	0.003	0.253	0.022	81.345	TRUE	9.81E-19
FEV1FVC	TMC8	cg04945945	rs11656744	A	G	-0.273	0.034	0.131	5.72E-16	0.000	0.004	0.974	0.017	65.494	TRUE	9.88E-16
FEV1FVC	TMC8	cg05637296	rs454138	C	G	-0.142	0.024	0.412	2.18E-09	0.005	0.002	0.068	0.010	35.788	TRUE	8.16E-09
FEV1FVC	TMC8	cg06248406	rs11650572	T	C	0.160	0.028	0.232	1.38E-08	0.000	0.003	0.935	0.009	32.200	TRUE	1.77E-08
FEV1FVC	TMC8	cg06248406	rs11656744	A	G	-0.230	0.034	0.131	1.03E-11	0.000	0.004	0.974	0.012	46.237	TRUE	1.47E-11
FEV1FVC	TMC8	cg06248406	rs61740060	C	T	0.583	0.024	0.311	4.73E-129	-0.003	0.003	0.204	0.136	583.820	TRUE	1.94E-120
FEV1FVC	TMC8	cg08852879	rs7217374	A	G	0.209	0.023	0.445	3.40E-20	-0.004	0.002	0.150	0.022	84.697	TRUE	2.58E-19
FEV1FVC	TMC8	cg09413013	rs11654009	A	T	0.440	0.057	0.040	8.60E-15	0.003	0.006	0.662	0.016	60.161	TRUE	1.90E-14
FEV1FVC	TMC8	cg09413013	rs17773854	T	G	-0.216	0.023	0.443	1.74E-20	-0.005	0.002	0.037	0.023	86.019	TRUE	2.34E-19
FEV1FVC	TMC8	cg12798338	rs117626020	G	C	-0.409	0.056	0.040	4.12E-13	0.003	0.006	0.615	0.014	52.555	TRUE	8.60E-13

FEV1FVC	TMC8	cg12798338	rs2073285	T	C	-0.427	0.039	0.198	3.00E-28	-0.003	0.003	0.414	0.032	121.412	TRUE	2.47E-27
FEV1FVC	TMC8	cg12798338	rs429216	G	T	-0.329	0.051	0.135	1.02E-10	0.003	0.003	0.330	0.011	41.756	TRUE	2.51E-10
FEV1FVC	TMC8	cg12798338	rs61740060	C	T	0.358	0.025	0.311	7.08E-48	-0.003	0.003	0.204	0.054	211.206	TRUE	8.10E-46
FEV1FVC	TMC8	cg12798338	rs743047	A	C	0.227	0.037	0.303	9.82E-10	0.003	0.003	0.292	0.010	37.341	TRUE	2.34E-09
FEV1FVC	TMC8	cg16214492	rs11651741	A	G	-0.356	0.057	0.040	3.78E-10	0.003	0.006	0.653	0.010	39.202	TRUE	6.49E-10
FEV1FVC	TMC8	cg16214492	rs17773854	T	G	0.322	0.023	0.443	1.51E-44	-0.005	0.002	0.037	0.050	195.952	TRUE	3.37E-42
FEV1FVC	TMC8	cg16214492	rs429216	G	T	-0.290	0.051	0.135	1.24E-08	0.003	0.003	0.330	0.009	32.403	TRUE	2.63E-08
FEV1FVC	TMC8	cg16214492	rs453922	T	C	-0.551	0.034	0.279	1.71E-58	-0.006	0.003	0.021	0.066	259.864	TRUE	3.69E-55
FEV1FVC	TMC8	cg16214492	rs59572312	C	T	-0.515	0.078	0.041	3.78E-11	-0.003	0.006	0.618	0.012	43.702	TRUE	7.05E-11
FEV1FVC	TMC8	cg16214492	rs743047	A	C	0.222	0.037	0.303	2.43E-09	0.003	0.003	0.292	0.010	35.575	TRUE	5.62E-09
FEV1FVC	TMC8	cg16301617	rs2310998	G	A	-0.202	0.023	0.467	3.35E-18	0.005	0.002	0.025	0.020	75.630	TRUE	4.07E-17
FEV1FVC	TMC8	cg16301617	rs2748427	G	A	0.372	0.042	0.205	6.31E-19	0.001	0.003	0.650	0.021	78.927	TRUE	1.82E-18
FEV1FVC	TMC8	cg16935597	rs17773854	T	G	0.205	0.023	0.443	1.20E-18	-0.005	0.002	0.037	0.021	77.658	TRUE	1.33E-17
FEV1FVC	TMC8	cg16935597	rs3813026	G	A	0.493	0.060	0.076	1.84E-16	-0.006	0.005	0.227	0.018	67.727	TRUE	8.29E-16
FEV1FVC	TMC8	cg18437480	rs1065769	T	C	0.165	0.025	0.321	4.65E-11	-0.001	0.003	0.614	0.012	43.296	TRUE	8.68E-11
FEV1FVC	TMC8	cg18437480	rs12603246	A	G	-0.402	0.023	0.465	1.07E-68	0.005	0.002	0.059	0.077	306.667	TRUE	6.52E-65
FEV1FVC	TMC8	cg18437480	rs139555116	A	G	0.654	0.088	0.032	1.27E-13	-0.017	0.007	0.012	0.015	54.866	TRUE	1.13E-12
FEV1FVC	TMC8	cg18437480	rs383603	G	C	-0.207	0.036	0.255	1.30E-08	-0.004	0.003	0.227	0.009	32.316	TRUE	3.13E-08
FEV1FVC	TMC8	cg22563987	rs1065769	T	C	0.212	0.025	0.321	3.20E-17	-0.001	0.003	0.614	0.019	71.178	TRUE	8.63E-17
FEV1FVC	TMC8	cg22563987	rs11650029	G	A	0.304	0.055	0.040	4.29E-08	0.004	0.006	0.550	0.008	29.996	TRUE	7.18E-08
FEV1FVC	TMC8	cg22563987	rs139555116	A	G	0.756	0.088	0.032	1.06E-17	-0.017	0.007	0.012	0.019	73.351	TRUE	1.51E-16
FEV1FVC	TMC8	cg22563987	rs3794743	G	C	-0.409	0.064	0.038	1.40E-10	0.002	0.006	0.757	0.011	41.139	TRUE	2.25E-10
FEV1FVC	TMC8	cg22563987	rs383603	G	C	-0.236	0.036	0.255	7.88E-11	-0.004	0.003	0.227	0.011	42.264	TRUE	2.26E-10
FEV1FVC	TMC8	cg22563987	rs4789015	A	G	-0.610	0.022	0.467	1.16E-165	0.004	0.002	0.076	0.169	752.076	TRUE	3.83E-152
FEV1FVC	TMC8	cg22563987	rs9907137	T	C	-0.187	0.025	0.338	5.10E-14	0.007	0.003	0.004	0.015	56.659	TRUE	6.15E-13
FEV1FVC	TMC8	cg22833809	rs1065769	T	C	0.190	0.025	0.321	4.20E-14	-0.001	0.003	0.614	0.015	57.044	TRUE	9.33E-14
FEV1FVC	TMC8	cg22833809	rs12603246	A	G	-0.387	0.023	0.465	1.54E-63	0.005	0.002	0.059	0.071	282.997	TRUE	4.13E-60
FEV1FVC	TMC8	cg22833809	rs2748427	G	A	0.331	0.042	0.205	3.41E-15	0.001	0.003	0.650	0.016	61.978	TRUE	7.80E-15
FEV1FVC	TMC8	cg22833809	rs383603	G	C	-0.265	0.036	0.255	3.11E-13	-0.004	0.003	0.227	0.014	53.111	TRUE	1.07E-12
FEV1FVC	TMC8	cg26003388	rs17773842	A	G	0.141	0.025	0.312	1.83E-08	-0.003	0.003	0.196	0.008	31.649	TRUE	4.51E-08
FEV1FVC	TMEM14A	cg15108222	rs11757093	C	T	-0.368	0.047	0.054	6.93E-15	0.007	0.005	0.135	0.016	60.586	TRUE	3.34E-14
FEV1FVC	TMEM14A	cg15108222	rs13205411	C	A	0.178	0.023	0.436	3.42E-14	-0.006	0.002	0.010	0.015	57.447	TRUE	3.41E-13
FEV1FVC	TMEM14A	cg15108222	rs75634655	A	G	-0.513	0.033	0.126	1.15E-54	0.009	0.004	0.008	0.061	242.312	TRUE	2.20E-51
FEV1FVC	TMEM14A	cg15108222	rs7746685	C	T	-0.153	0.023	0.494	4.87E-11	0.001	0.002	0.590	0.012	43.205	TRUE	9.33E-11
FEV1FVC	TMEM14A	cg15108222	rs7762854	C	T	-0.249	0.026	0.253	2.28E-21	0.008	0.003	0.003	0.024	90.039	TRUE	7.33E-20
FEV1FVC	TMEM14A	cg18568843	rs2281483	A	G	0.216	0.031	0.167	5.60E-12	0.005	0.003	0.095	0.013	47.437	TRUE	2.39E-11
FEV1FVC	TMEM14A	cg19083670	rs767311	G	A	-0.147	0.026	0.253	2.41E-08	0.008	0.003	0.003	0.008	31.114	TRUE	1.44E-07
FEV1FVC	TMEM150B	cg01489177	rs10412726	T	G	-0.486	0.023	0.499	9.87E-98	-0.006	0.002	0.011	0.106	439.945	TRUE	4.40E-91
FEV1FVC	TMEM150B	cg01489177	rs4283339	A	G	-0.132	0.024	0.445	2.81E-08	-0.001	0.002	0.645	0.008	30.814	TRUE	4.42E-08
FEV1FVC	TMEM150B	cg01489177	rs6509939	T	C	-0.132	0.024	0.447	2.23E-08	-0.006	0.002	0.015	0.008	31.269	TRUE	1.02E-07
FEV1FVC	TMEM150B	cg04391588	rs12980928	G	A	-0.278	0.037	0.109	1.16E-13	-0.001	0.004	0.733	0.015	55.045	TRUE	2.25E-13
FEV1FVC	TMEM150B	cg04391588	rs2384686	A	G	0.203	0.025	0.370	1.50E-16	0.007	0.003	0.009	0.018	68.128	TRUE	2.07E-15

FEV1FVC	TMEM150B	cg18029933	rs35263107	A	G	-0.234	0.038	0.102	7.98E-10	-0.001	0.004	0.872	0.010	37.743	TRUE	1.13E-09
FEV1FVC	TMEM150B	cg19510663	rs2384689	A	G	-0.139	0.024	0.499	4.02E-09	-0.006	0.002	0.013	0.009	34.594	TRUE	2.03E-08
FEV1FVC	TMEM150B	cg22979807	rs73605155	T	C	0.480	0.064	0.032	9.04E-14	0.004	0.007	0.533	0.015	55.535	TRUE	2.15E-13
FEV1FVC	TMEM150B	cg22979807	rs79362142	A	C	-0.853	0.102	0.015	4.76E-17	0.001	0.011	0.955	0.019	70.394	TRUE	8.89E-17
FEV1FVC	TMEM150B	cg22979807	rs897798	G	A	-0.210	0.024	0.471	9.26E-19	0.006	0.002	0.021	0.021	78.169	TRUE	1.24E-17
FEV1FVC	TMEM161A	cg12078229	rs28672836	T	C	-0.295	0.033	0.159	2.53E-19	0.007	0.003	0.027	0.021	80.731	TRUE	3.36E-18
FEV1FVC	TMEM161A	cg12078229	rs3746259	G	A	0.558	0.024	0.406	4.38E-124	0.002	0.002	0.546	0.132	560.996	TRUE	1.31E-116
FEV1FVC	TMEM161A	cg12078229	rs4808928	A	G	0.302	0.045	0.072	2.05E-11	-0.005	0.005	0.333	0.012	44.901	TRUE	5.24E-11
FEV1FVC	TMEM161A	cg12078229	rs6511019	A	G	-0.318	0.037	0.108	9.56E-18	-0.006	0.004	0.077	0.019	73.561	TRUE	7.55E-17
FEV1FVC	TMEM161A	cg12078229	rs73537455	T	C	-0.279	0.042	0.092	2.25E-11	-0.002	0.004	0.736	0.012	44.716	TRUE	3.88E-11
FEV1FVC	TMEM161A	cg19262631	rs10414676	T	C	-0.147	0.026	0.298	9.40E-09	-0.006	0.003	0.031	0.009	32.945	TRUE	3.84E-08
FEV1FVC	TOP3A	cg02753233	rs34417974	T	C	0.138	0.024	0.457	5.39E-09	0.000	0.002	0.864	0.009	34.026	TRUE	7.43E-09
FEV1FVC	TOP3A	cg23045404	rs2605142	T	C	0.144	0.026	0.288	2.03E-08	-0.012	0.003	9.23E-06	0.008	31.446	TRUE	2.66E-07
FEV1FVC	TOP3A	cg25558099	rs2605143	T	C	0.282	0.025	0.333	3.86E-30	0.003	0.003	0.223	0.034	130.046	TRUE	6.00E-29
FEV1FVC	TP53INP1	cg01824466	rs877350	C	T	0.243	0.042	0.094	9.17E-09	-0.004	0.004	0.332	0.009	32.991	TRUE	1.97E-08
FEV1FVC	TP53INP1	cg01824466	rs896851	T	C	0.163	0.027	0.341	8.21E-10	-0.004	0.003	0.174	0.010	37.689	TRUE	2.36E-09
FEV1FVC	TP53INP1	cg05266843	rs13257021	A	G	0.239	0.025	0.477	6.03E-21	-0.006	0.002	0.018	0.023	88.115	TRUE	1.06E-19
FEV1FVC	TP53INP1	cg05266843	rs74789871	G	A	0.185	0.033	0.189	1.74E-08	0.000	0.003	0.934	0.009	31.748	TRUE	2.26E-08
FEV1FVC	TP53INP1	cg09323728	rs112986157	C	T	-0.370	0.046	0.218	1.26E-15	0.006	0.003	0.055	0.017	63.936	TRUE	8.95E-15
FEV1FVC	TP53INP1	cg09323728	rs113930555	A	C	-0.495	0.051	0.066	5.99E-22	-0.005	0.005	0.303	0.024	92.680	TRUE	3.64E-21
FEV1FVC	TP53INP1	cg09323728	rs11777952	G	A	0.446	0.033	0.173	1.05E-41	0.000	0.003	0.950	0.047	182.940	TRUE	1.23E-40
FEV1FVC	TP53INP1	cg09323728	rs11986922	G	A	0.270	0.026	0.444	5.94E-26	-0.003	0.003	0.315	0.029	110.932	TRUE	4.88E-25
FEV1FVC	TP53INP1	cg09323728	rs13255538	T	C	0.449	0.030	0.235	8.72E-52	-0.002	0.003	0.443	0.058	229.119	TRUE	8.24E-50
FEV1FVC	TP53INP1	cg09323728	rs13263440	A	G	-0.449	0.064	0.035	2.52E-12	-0.013	0.006	0.032	0.013	49.008	TRUE	1.50E-11
FEV1FVC	TP53INP1	cg09323728	rs13264488	T	C	-0.548	0.048	0.074	1.50E-30	-0.002	0.004	0.683	0.034	131.930	TRUE	9.88E-30
FEV1FVC	TP53INP1	cg09323728	rs1365201	T	C	0.451	0.036	0.143	2.06E-36	-0.005	0.003	0.156	0.041	158.725	TRUE	7.54E-35
FEV1FVC	TP53INP1	cg09323728	rs139641839	T	C	0.575	0.067	0.036	1.55E-17	-0.010	0.006	0.113	0.019	72.606	TRUE	1.02E-16
FEV1FVC	TP53INP1	cg09323728	rs140806721	C	T	0.529	0.037	0.132	2.19E-47	-0.002	0.004	0.589	0.053	208.956	TRUE	8.78E-46
FEV1FVC	TP53INP1	cg09323728	rs17716607	T	C	-0.192	0.034	0.168	1.76E-08	0.002	0.003	0.595	0.009	31.731	TRUE	2.90E-08
FEV1FVC	TP53INP1	cg09323728	rs17719449	A	T	0.366	0.053	0.061	4.59E-12	-0.004	0.005	0.392	0.013	47.831	TRUE	1.15E-11
FEV1FVC	TP53INP1	cg09323728	rs2515113	A	T	0.238	0.036	0.147	4.05E-11	-0.009	0.003	0.008	0.012	43.565	TRUE	2.97E-10
FEV1FVC	TP53INP1	cg09323728	rs2607059	T	C	0.148	0.026	0.365	1.95E-08	0.001	0.003	0.573	0.008	31.530	TRUE	3.22E-08
FEV1FVC	TP53INP1	cg09323728	rs471691	C	T	0.607	0.061	0.045	1.71E-23	-0.003	0.006	0.673	0.026	99.723	TRUE	6.54E-23
FEV1FVC	TP53INP1	cg09323728	rs58536083	C	T	-0.367	0.060	0.051	8.70E-10	0.004	0.005	0.448	0.010	37.576	TRUE	1.78E-09
FEV1FVC	TP53INP1	cg09323728	rs605527	A	G	0.647	0.030	0.226	1.01E-105	-0.003	0.003	0.315	0.114	476.642	TRUE	1.14E-99
FEV1FVC	TP53INP1	cg09323728	rs6471511	T	C	0.347	0.030	0.250	5.69E-32	-0.005	0.003	0.098	0.036	138.418	TRUE	1.70E-30
FEV1FVC	TP53INP1	cg09323728	rs7009937	C	T	0.431	0.054	0.062	1.56E-15	-0.006	0.005	0.225	0.017	63.521	TRUE	6.50E-15
FEV1FVC	TP53INP1	cg09323728	rs72672648	T	C	-0.280	0.034	0.158	4.46E-16	-0.004	0.003	0.261	0.018	65.987	TRUE	1.82E-15
FEV1FVC	TP53INP1	cg09323728	rs72674808	G	A	-0.394	0.058	0.045	1.05E-11	0.005	0.006	0.404	0.012	46.203	TRUE	2.54E-11
FEV1FVC	TP53INP1	cg09323728	rs76399728	T	C	-0.622	0.076	0.030	2.54E-16	0.004	0.007	0.566	0.018	67.092	TRUE	6.87E-16
FEV1FVC	TP53INP1	cg09323728	rs76471882	T	C	0.425	0.068	0.035	3.77E-10	-0.007	0.006	0.273	0.010	39.206	TRUE	9.60E-10
FEV1FVC	TP53INP1	cg13393036	rs10102090	A	C	0.147	0.026	0.382	2.17E-08	0.001	0.003	0.750	0.008	31.315	TRUE	3.18E-08

FEV1FVC	TP53INP1	cg13393036	rs112986157	C	T	-0.372	0.046	0.218	7.76E-16	0.006	0.003	0.055	0.017	64.895	TRUE	5.62E-15
FEV1FVC	TP53INP1	cg13393036	rs113930555	A	C	-0.539	0.051	0.066	8.68E-26	-0.005	0.005	0.303	0.029	110.182	TRUE	7.30E-25
FEV1FVC	TP53INP1	cg13393036	rs11782625	G	A	0.418	0.045	0.085	2.48E-20	-0.003	0.004	0.515	0.023	85.323	TRUE	9.36E-20
FEV1FVC	TP53INP1	cg13393036	rs11784384	T	A	0.591	0.099	0.019	2.24E-09	-0.008	0.009	0.374	0.010	35.736	TRUE	4.75E-09
FEV1FVC	TP53INP1	cg13393036	rs11986922	G	A	0.284	0.026	0.444	1.49E-28	-0.003	0.003	0.315	0.032	122.800	TRUE	1.54E-27
FEV1FVC	TP53INP1	cg13393036	rs13255538	T	C	0.469	0.030	0.235	1.66E-56	-0.002	0.003	0.443	0.063	250.761	TRUE	2.85E-54
FEV1FVC	TP53INP1	cg13393036	rs13263440	A	G	-0.494	0.064	0.035	1.27E-14	-0.013	0.006	0.032	0.016	59.389	TRUE	9.66E-14
FEV1FVC	TP53INP1	cg13393036	rs13264488	T	C	-0.543	0.048	0.074	4.92E-30	-0.002	0.004	0.683	0.034	129.565	TRUE	3.12E-29
FEV1FVC	TP53INP1	cg13393036	rs1365201	T	C	0.480	0.036	0.143	5.24E-41	-0.005	0.003	0.156	0.046	179.747	TRUE	3.22E-39
FEV1FVC	TP53INP1	cg13393036	rs139641839	T	C	0.613	0.067	0.036	8.89E-20	-0.010	0.006	0.113	0.022	82.797	TRUE	7.17E-19
FEV1FVC	TP53INP1	cg13393036	rs17716607	T	C	-0.195	0.034	0.168	1.05E-08	0.002	0.003	0.595	0.009	32.727	TRUE	1.75E-08
FEV1FVC	TP53INP1	cg13393036	rs17719449	A	T	0.384	0.053	0.061	4.08E-13	-0.004	0.005	0.392	0.014	52.576	TRUE	1.10E-12
FEV1FVC	TP53INP1	cg13393036	rs2243550	C	A	-0.139	0.025	0.442	4.18E-08	-0.002	0.002	0.545	0.008	30.046	TRUE	7.11E-08
FEV1FVC	TP53INP1	cg13393036	rs2515140	C	T	-0.287	0.031	0.213	5.49E-20	-0.005	0.003	0.118	0.022	83.750	TRUE	4.36E-19
FEV1FVC	TP53INP1	cg13393036	rs471691	C	T	0.639	0.061	0.045	6.97E-26	-0.003	0.006	0.673	0.029	110.615	TRUE	3.19E-25
FEV1FVC	TP53INP1	cg13393036	rs58536083	C	T	-0.368	0.060	0.051	7.95E-10	0.004	0.005	0.448	0.010	37.751	TRUE	1.63E-09
FEV1FVC	TP53INP1	cg13393036	rs605527	A	G	0.678	0.029	0.226	8.55E-117	-0.003	0.003	0.315	0.125	527.505	TRUE	1.08E-109
FEV1FVC	TP53INP1	cg13393036	rs6471511	T	C	0.328	0.030	0.250	1.06E-28	-0.005	0.003	0.098	0.032	123.485	TRUE	2.23E-27
FEV1FVC	TP53INP1	cg13393036	rs6982086	T	C	0.408	0.028	0.264	1.20E-48	-0.001	0.003	0.647	0.055	214.742	TRUE	4.83E-47
FEV1FVC	TP53INP1	cg13393036	rs7009937	C	T	0.444	0.054	0.062	2.13E-16	-0.006	0.005	0.225	0.018	67.446	TRUE	9.51E-16
FEV1FVC	TP53INP1	cg13393036	rs72674808	G	A	-0.436	0.058	0.045	5.02E-14	0.005	0.006	0.404	0.015	56.691	TRUE	1.42E-13
FEV1FVC	TP53INP1	cg13393036	rs73268196	C	A	0.317	0.049	0.069	6.70E-11	-0.002	0.005	0.709	0.011	42.583	TRUE	1.14E-10
FEV1FVC	TP53INP1	cg13393036	rs76399728	T	C	-0.611	0.076	0.030	8.06E-16	0.004	0.007	0.566	0.017	64.820	TRUE	2.11E-15
FEV1FVC	TP53INP1	cg13393036	rs79011592	A	G	-0.443	0.074	0.028	1.73E-09	0.004	0.007	0.591	0.010	36.242	TRUE	3.03E-09
FEV1FVC	TP53INP1	cg16049864	rs10098593	A	G	-0.297	0.054	0.051	3.34E-08	-0.001	0.005	0.784	0.008	30.485	TRUE	4.71E-08
FEV1FVC	TP53INP1	cg16049864	rs10102090	A	C	0.146	0.026	0.382	2.96E-08	0.001	0.003	0.750	0.008	30.718	TRUE	4.30E-08
FEV1FVC	TP53INP1	cg16049864	rs112458807	C	A	0.444	0.057	0.050	9.36E-15	-0.003	0.005	0.602	0.016	59.993	TRUE	2.21E-14
FEV1FVC	TP53INP1	cg16049864	rs117463993	A	T	0.351	0.029	0.252	9.41E-33	-0.005	0.003	0.098	0.037	141.989	TRUE	3.06E-31
FEV1FVC	TP53INP1	cg16049864	rs11782625	G	A	0.435	0.045	0.085	7.29E-22	-0.003	0.004	0.515	0.024	92.292	TRUE	3.08E-21
FEV1FVC	TP53INP1	cg16049864	rs11784384	T	A	0.583	0.099	0.019	3.77E-09	-0.008	0.009	0.374	0.009	34.719	TRUE	7.89E-09
FEV1FVC	TP53INP1	cg16049864	rs11986922	G	A	0.296	0.026	0.444	7.95E-31	-0.003	0.003	0.315	0.035	133.184	TRUE	1.02E-29
FEV1FVC	TP53INP1	cg16049864	rs13263440	A	G	-0.442	0.064	0.035	5.48E-12	-0.013	0.006	0.032	0.013	47.480	TRUE	3.15E-11
FEV1FVC	TP53INP1	cg16049864	rs13264488	T	C	-0.598	0.048	0.074	3.09E-36	-0.002	0.004	0.683	0.041	157.920	TRUE	3.36E-35
FEV1FVC	TP53INP1	cg16049864	rs1365201	T	C	0.532	0.036	0.143	2.33E-50	-0.005	0.003	0.156	0.057	222.580	TRUE	4.53E-48
FEV1FVC	TP53INP1	cg16049864	rs142455427	T	G	0.624	0.102	0.014	1.02E-09	-0.014	0.012	0.256	0.010	37.276	TRUE	2.57E-09
FEV1FVC	TP53INP1	cg16049864	rs143148666	T	C	-0.610	0.090	0.020	1.03E-11	-0.004	0.009	0.670	0.012	46.254	TRUE	1.89E-11
FEV1FVC	TP53INP1	cg16049864	rs2044899	A	C	0.553	0.025	0.360	1.41E-106	-0.004	0.003	0.151	0.115	480.565	TRUE	4.67E-100
FEV1FVC	TP53INP1	cg16049864	rs2243550	C	A	-0.158	0.025	0.442	5.05E-10	-0.002	0.002	0.545	0.010	38.636	TRUE	9.60E-10
FEV1FVC	TP53INP1	cg16049864	rs2515140	C	T	-0.326	0.031	0.213	1.95E-25	-0.005	0.003	0.118	0.029	108.574	TRUE	2.59E-24
FEV1FVC	TP53INP1	cg16049864	rs2678821	T	C	0.296	0.052	0.062	1.34E-08	-0.007	0.005	0.169	0.009	32.252	TRUE	3.55E-08
FEV1FVC	TP53INP1	cg16049864	rs28417924	G	C	-0.450	0.060	0.051	4.45E-14	0.004	0.005	0.447	0.015	56.927	TRUE	1.20E-13
FEV1FVC	TP53INP1	cg16049864	rs3096607	C	T	-0.161	0.029	0.285	1.94E-08	0.003	0.003	0.303	0.008	31.539	TRUE	4.20E-08

FEV1FVC	TP53INP1	cg16049864	rs36072239	G	A	0.206	0.026	0.470	6.00E-16	-0.003	0.002	0.156	0.017	65.401	TRUE	3.03E-15
FEV1FVC	TP53INP1	cg16049864	rs56096323	A	G	-0.384	0.056	0.129	6.27E-12	0.007	0.004	0.051	0.013	47.216	TRUE	3.12E-11
FEV1FVC	TP53INP1	cg16049864	rs575803593	T	A	0.635	0.066	0.036	4.17E-22	-0.001	0.006	0.842	0.025	93.395	TRUE	1.18E-21
FEV1FVC	TP53INP1	cg16049864	rs579798	C	T	0.799	0.029	0.225	7.19E-170	-0.004	0.003	0.219	0.173	771.413	TRUE	2.11E-156
FEV1FVC	TP53INP1	cg16049864	rs7009937	C	T	0.502	0.054	0.062	1.40E-20	-0.006	0.005	0.225	0.023	86.455	TRUE	8.83E-20
FEV1FVC	TP53INP1	cg16049864	rs72674808	G	A	-0.421	0.058	0.045	3.82E-13	0.005	0.006	0.404	0.014	52.704	TRUE	1.02E-12
FEV1FVC	TP53INP1	cg16049864	rs72679210	G	A	-0.646	0.045	0.083	1.53E-46	-0.002	0.004	0.679	0.053	205.096	TRUE	4.68E-45
FEV1FVC	TP53INP1	cg16049864	rs73268196	C	A	0.356	0.049	0.069	2.04E-13	-0.002	0.005	0.709	0.014	53.934	TRUE	3.98E-13
FEV1FVC	TP53INP1	cg16049864	rs7459539	G	A	0.497	0.035	0.154	8.41E-47	-0.003	0.003	0.421	0.053	206.281	TRUE	4.58E-45
FEV1FVC	TP53INP1	cg16049864	rs75912292	T	C	0.678	0.081	0.026	4.04E-17	-0.011	0.007	0.116	0.019	70.719	TRUE	2.57E-16
FEV1FVC	TP53INP1	cg16049864	rs76399728	T	C	-0.608	0.076	0.030	1.12E-15	0.004	0.007	0.566	0.017	64.172	TRUE	2.90E-15
FEV1FVC	TP53INP1	cg16049864	rs7823050	T	A	-0.329	0.027	0.319	1.24E-34	0.008	0.003	0.003	0.039	150.577	TRUE	2.10E-32
FEV1FVC	TP53INP1	cg16049864	rs9643349	C	T	0.854	0.022	0.500	<1E-200	-0.006	0.002	0.022	0.297	1559.860	TRUE	1.25E-295
FEV1FVC	TP53INP1	cg18059933	rs112458807	C	A	0.483	0.057	0.050	3.52E-17	-0.003	0.005	0.602	0.019	70.991	TRUE	9.68E-17
FEV1FVC	TP53INP1	cg18059933	rs117463993	A	T	0.368	0.029	0.252	9.13E-36	-0.005	0.003	0.098	0.040	155.765	TRUE	4.14E-34
FEV1FVC	TP53INP1	cg18059933	rs11782625	G	A	0.424	0.045	0.085	7.00E-21	-0.003	0.004	0.515	0.023	87.821	TRUE	2.75E-20
FEV1FVC	TP53INP1	cg18059933	rs11986922	G	A	0.289	0.026	0.444	1.84E-29	-0.003	0.003	0.315	0.033	126.946	TRUE	2.07E-28
FEV1FVC	TP53INP1	cg18059933	rs13263440	A	G	-0.479	0.064	0.035	8.53E-14	-0.013	0.006	0.032	0.015	55.649	TRUE	5.94E-13
FEV1FVC	TP53INP1	cg18059933	rs13264488	T	C	-0.580	0.048	0.074	3.64E-34	-0.002	0.004	0.683	0.039	148.445	TRUE	3.28E-33
FEV1FVC	TP53INP1	cg18059933	rs1365201	T	C	0.496	0.036	0.143	7.77E-44	-0.005	0.003	0.156	0.050	192.699	TRUE	6.68E-42
FEV1FVC	TP53INP1	cg18059933	rs142455427	T	G	0.597	0.102	0.014	5.21E-09	-0.014	0.012	0.256	0.009	34.090	TRUE	1.25E-08
FEV1FVC	TP53INP1	cg18059933	rs17719449	A	T	0.409	0.053	0.061	1.10E-14	-0.004	0.005	0.392	0.016	59.681	TRUE	3.28E-14
FEV1FVC	TP53INP1	cg18059933	rs2044899	A	C	0.543	0.025	0.360	2.78E-102	-0.004	0.003	0.151	0.111	460.845	TRUE	3.69E-96
FEV1FVC	TP53INP1	cg18059933	rs2243550	C	A	-0.156	0.025	0.442	7.47E-10	-0.002	0.002	0.545	0.010	37.873	TRUE	1.41E-09
FEV1FVC	TP53INP1	cg18059933	rs2439632	G	A	0.155	0.028	0.302	1.78E-08	-0.004	0.003	0.161	0.008	31.708	TRUE	4.76E-08
FEV1FVC	TP53INP1	cg18059933	rs2515140	C	T	-0.305	0.031	0.213	1.92E-22	-0.005	0.003	0.118	0.025	94.928	TRUE	1.92E-21
FEV1FVC	TP53INP1	cg18059933	rs2678836	G	A	0.348	0.052	0.063	1.47E-11	-0.007	0.005	0.162	0.012	45.547	TRUE	5.05E-11
FEV1FVC	TP53INP1	cg18059933	rs36072239	G	A	0.190	0.026	0.470	9.39E-14	-0.003	0.002	0.156	0.015	55.460	TRUE	3.93E-13
FEV1FVC	TP53INP1	cg18059933	rs4590408	G	A	0.428	0.048	0.075	8.08E-19	-0.007	0.005	0.111	0.021	78.439	TRUE	6.10E-18
FEV1FVC	TP53INP1	cg18059933	rs56096323	A	G	-0.368	0.056	0.129	4.73E-11	0.007	0.004	0.051	0.012	43.261	TRUE	2.15E-10
FEV1FVC	TP53INP1	cg18059933	rs575803593	T	A	0.615	0.066	0.036	8.03E-21	-0.001	0.006	0.842	0.023	87.548	TRUE	2.10E-20
FEV1FVC	TP53INP1	cg18059933	rs579798	C	T	0.769	0.029	0.225	4.72E-156	-0.004	0.003	0.219	0.161	707.901	TRUE	2.38E-144
FEV1FVC	TP53INP1	cg18059933	rs58536083	C	T	-0.407	0.060	0.051	1.03E-11	0.004	0.005	0.448	0.012	46.255	TRUE	2.37E-11
FEV1FVC	TP53INP1	cg18059933	rs72674808	G	A	-0.422	0.058	0.045	3.14E-13	0.005	0.006	0.404	0.014	53.092	TRUE	8.40E-13
FEV1FVC	TP53INP1	cg18059933	rs72679210	G	A	-0.610	0.045	0.083	1.66E-41	-0.002	0.004	0.679	0.047	182.031	TRUE	3.00E-40
FEV1FVC	TP53INP1	cg18059933	rs73268196	C	A	0.337	0.049	0.069	4.05E-12	-0.002	0.005	0.709	0.013	48.072	TRUE	7.36E-12
FEV1FVC	TP53INP1	cg18059933	rs7459539	G	A	0.504	0.035	0.154	4.82E-48	-0.003	0.003	0.421	0.054	211.971	TRUE	3.04E-46
FEV1FVC	TP53INP1	cg18059933	rs75102588	A	G	0.540	0.095	0.022	1.40E-08	-0.006	0.009	0.512	0.009	32.170	TRUE	2.48E-08
FEV1FVC	TP53INP1	cg18059933	rs76399728	T	C	-0.684	0.076	0.030	1.78E-19	0.004	0.007	0.566	0.022	81.426	TRUE	5.93E-19
FEV1FVC	TP53INP1	cg18059933	rs7823050	T	A	-0.361	0.027	0.319	1.08E-41	0.008	0.003	0.003	0.047	182.885	TRUE	4.80E-39
FEV1FVC	TP53INP1	cg18059933	rs9643349	C	T	0.862	0.022	0.500	<1E-200	-0.006	0.002	0.022	0.302	1601.431	TRUE	1.26E-302
FEV1FVC	TP53INP1	cg20039814	rs10102090	A	C	0.147	0.026	0.382	2.10E-08	0.001	0.003	0.750	0.008	31.381	TRUE	3.08E-08

FEV1FVC	TP53INP1	cg20039814	rs112458807	C	A	0.467	0.057	0.050	3.79E-16	-0.003	0.005	0.602	0.018	66.309	TRUE	9.75E-16
FEV1FVC	TP53INP1	cg20039814	rs112690110	T	C	-0.567	0.048	0.079	1.78E-32	-0.002	0.004	0.677	0.037	140.725	TRUE	1.37E-31
FEV1FVC	TP53INP1	cg20039814	rs117463993	A	T	0.355	0.029	0.252	1.92E-33	-0.005	0.003	0.098	0.038	145.146	TRUE	6.72E-32
FEV1FVC	TP53INP1	cg20039814	rs11782625	G	A	0.434	0.045	0.085	8.70E-22	-0.003	0.004	0.515	0.024	91.943	TRUE	3.66E-21
FEV1FVC	TP53INP1	cg20039814	rs11784384	T	A	0.567	0.099	0.019	9.85E-09	-0.008	0.009	0.374	0.009	32.853	TRUE	2.00E-08
FEV1FVC	TP53INP1	cg20039814	rs11986922	G	A	0.301	0.026	0.444	5.72E-32	-0.003	0.003	0.315	0.036	138.405	TRUE	8.15E-31
FEV1FVC	TP53INP1	cg20039814	rs13263440	A	G	-0.496	0.064	0.035	1.01E-14	-0.013	0.006	0.032	0.016	59.844	TRUE	7.75E-14
FEV1FVC	TP53INP1	cg20039814	rs1365201	T	C	0.517	0.036	0.143	1.36E-47	-0.005	0.003	0.156	0.054	209.910	TRUE	1.85E-45
FEV1FVC	TP53INP1	cg20039814	rs142455427	T	G	0.586	0.102	0.014	9.87E-09	-0.014	0.012	0.256	0.009	32.848	TRUE	2.32E-08
FEV1FVC	TP53INP1	cg20039814	rs17719449	A	T	0.417	0.053	0.061	3.27E-15	-0.004	0.005	0.392	0.017	62.066	TRUE	1.01E-14
FEV1FVC	TP53INP1	cg20039814	rs17730047	C	T	-0.372	0.068	0.033	3.65E-08	0.001	0.007	0.920	0.008	30.308	TRUE	4.71E-08
FEV1FVC	TP53INP1	cg20039814	rs2044899	A	C	0.544	0.025	0.360	1.08E-102	-0.004	0.003	0.151	0.111	462.720	TRUE	1.57E-96
FEV1FVC	TP53INP1	cg20039814	rs2243550	C	A	-0.147	0.025	0.442	7.71E-09	-0.002	0.002	0.545	0.009	33.329	TRUE	1.37E-08
FEV1FVC	TP53INP1	cg20039814	rs2439632	G	A	0.157	0.028	0.302	1.17E-08	-0.004	0.003	0.161	0.009	32.521	TRUE	3.18E-08
FEV1FVC	TP53INP1	cg20039814	rs2515140	C	T	-0.311	0.031	0.213	2.99E-23	-0.005	0.003	0.118	0.026	98.609	TRUE	3.22E-22
FEV1FVC	TP53INP1	cg20039814	rs36072239	G	A	0.195	0.026	0.470	2.35E-14	-0.003	0.002	0.156	0.015	58.188	TRUE	1.03E-13
FEV1FVC	TP53INP1	cg20039814	rs56096323	A	G	-0.358	0.056	0.129	1.51E-10	0.007	0.004	0.051	0.011	40.996	TRUE	6.52E-10
FEV1FVC	TP53INP1	cg20039814	rs575803593	T	A	0.643	0.066	0.036	1.39E-22	-0.001	0.006	0.842	0.025	95.569	TRUE	4.06E-22
FEV1FVC	TP53INP1	cg20039814	rs579798	C	T	0.783	0.029	0.225	1.99E-162	-0.004	0.003	0.219	0.166	737.202	TRUE	6.33E-150
FEV1FVC	TP53INP1	cg20039814	rs7009937	C	T	0.474	0.054	0.062	1.52E-18	-0.006	0.005	0.225	0.020	77.185	TRUE	8.12E-18
FEV1FVC	TP53INP1	cg20039814	rs72674808	G	A	-0.433	0.058	0.045	7.37E-14	0.005	0.006	0.404	0.015	55.937	TRUE	2.06E-13
FEV1FVC	TP53INP1	cg20039814	rs72676963	T	C	-0.503	0.085	0.027	2.67E-09	-0.002	0.008	0.830	0.009	35.394	TRUE	3.82E-09
FEV1FVC	TP53INP1	cg20039814	rs72679210	G	A	-0.603	0.045	0.083	1.19E-40	-0.002	0.004	0.679	0.046	178.116	TRUE	1.97E-39
FEV1FVC	TP53INP1	cg20039814	rs73268196	C	A	0.363	0.048	0.069	7.19E-14	-0.002	0.005	0.709	0.015	55.985	TRUE	1.44E-13
FEV1FVC	TP53INP1	cg20039814	rs7459539	G	A	0.503	0.035	0.154	6.49E-48	-0.003	0.003	0.421	0.054	211.380	TRUE	4.02E-46
FEV1FVC	TP53INP1	cg20039814	rs7823050	T	A	-0.346	0.027	0.319	2.83E-38	0.008	0.003	0.003	0.043	167.240	TRUE	7.83E-36
FEV1FVC	TP53INP1	cg20039814	rs79011592	A	G	-0.413	0.074	0.028	1.99E-08	0.004	0.007	0.591	0.008	31.483	TRUE	3.31E-08
FEV1FVC	TP53INP1	cg20039814	rs9643349	C	T	0.847	0.022	0.500	<1E-200	-0.006	0.002	0.022	0.292	1522.433	TRUE	2.68E-289
FEV1FVC	TP53INP1	cg23172400	rs10102090	A	C	0.162	0.026	0.382	7.66E-10	0.001	0.003	0.750	0.010	37.825	TRUE	1.20E-09
FEV1FVC	TP53INP1	cg23172400	rs112690110	T	C	-0.463	0.048	0.079	4.70E-22	-0.002	0.004	0.677	0.025	93.162	TRUE	1.61E-21
FEV1FVC	TP53INP1	cg23172400	rs112986157	C	T	-0.287	0.046	0.218	5.97E-10	0.006	0.003	0.055	0.010	38.311	TRUE	2.41E-09
FEV1FVC	TP53INP1	cg23172400	rs11782625	G	A	0.329	0.045	0.085	4.35E-13	-0.003	0.004	0.515	0.014	52.451	TRUE	1.01E-12
FEV1FVC	TP53INP1	cg23172400	rs11986922	G	A	0.250	0.026	0.444	2.68E-22	-0.003	0.003	0.315	0.025	94.271	TRUE	1.62E-21
FEV1FVC	TP53INP1	cg23172400	rs12546365	C	T	-0.864	0.021	0.484	<1E-200	0.005	0.002	0.032	0.308	1643.491	TRUE	<1E-200
FEV1FVC	TP53INP1	cg23172400	rs13263440	A	G	-0.440	0.064	0.035	7.27E-12	-0.013	0.006	0.032	0.013	46.928	TRUE	4.12E-11
FEV1FVC	TP53INP1	cg23172400	rs13276227	A	C	0.300	0.025	0.392	5.55E-32	-0.004	0.002	0.151	0.036	138.467	TRUE	1.32E-30
FEV1FVC	TP53INP1	cg23172400	rs1365201	T	C	0.454	0.036	0.143	8.91E-37	-0.005	0.003	0.156	0.042	160.388	TRUE	3.40E-35
FEV1FVC	TP53INP1	cg23172400	rs17666409	T	G	0.639	0.056	0.053	1.82E-30	-0.013	0.005	0.010	0.034	131.539	TRUE	1.23E-28
FEV1FVC	TP53INP1	cg23172400	rs17719449	A	T	0.331	0.053	0.061	4.48E-10	-0.004	0.005	0.392	0.010	38.870	TRUE	9.80E-10
FEV1FVC	TP53INP1	cg23172400	rs2470748	G	A	-0.267	0.031	0.213	1.66E-17	-0.005	0.003	0.118	0.019	72.477	TRUE	1.05E-16
FEV1FVC	TP53INP1	cg23172400	rs34676693	G	A	0.421	0.027	0.347	7.06E-57	-0.002	0.003	0.334	0.064	252.458	TRUE	1.66E-54
FEV1FVC	TP53INP1	cg23172400	rs36072239	G	A	0.148	0.026	0.470	7.32E-09	-0.003	0.002	0.156	0.009	33.429	TRUE	2.02E-08

FEV1FVC	TP53INP1	cg23172400	rs471691	C	T	0.546	0.061	0.045	3.04E-19	-0.003	0.006	0.673	0.021	80.371	TRUE	8.71E-19
FEV1FVC	TP53INP1	cg23172400	rs55713629	C	T	0.283	0.048	0.069	5.18E-09	-0.002	0.005	0.690	0.009	34.101	TRUE	8.13E-09
FEV1FVC	TP53INP1	cg23172400	rs561054075	C	G	-0.372	0.065	0.037	1.16E-08	0.007	0.020	0.731	0.009	32.529	TRUE	1.75E-08
FEV1FVC	TP53INP1	cg23172400	rs6982086	T	C	0.348	0.028	0.264	1.12E-35	-0.001	0.003	0.647	0.040	155.357	TRUE	1.20E-34
FEV1FVC	TP53INP1	cg23172400	rs7009937	C	T	0.383	0.054	0.062	1.36E-12	-0.006	0.005	0.225	0.013	50.213	TRUE	4.49E-12
FEV1FVC	TP53INP1	cg23172400	rs72674808	G	A	-0.391	0.058	0.045	1.61E-11	0.005	0.006	0.404	0.012	45.367	TRUE	3.85E-11
FEV1FVC	TP53INP1	cg23172400	rs72679210	G	A	-0.482	0.045	0.083	2.80E-26	-0.002	0.004	0.679	0.029	112.421	TRUE	1.31E-25
FEV1FVC	TP53INP1	cg23172400	rs7459539	G	A	0.424	0.035	0.154	2.66E-34	-0.003	0.003	0.421	0.039	149.066	TRUE	3.86E-33
FEV1FVC	TP53INP1	cg23172400	rs77581564	G	A	0.583	0.061	0.044	1.32E-21	0.007	0.006	0.241	0.024	91.111	TRUE	8.86E-21
FEV1FVC	TP53INP1	cg23172400	rs7815731	C	G	-0.226	0.026	0.370	3.51E-18	0.007	0.003	0.009	0.020	75.538	TRUE	5.84E-17
FEV1FVC	TP53INP1	cg24253461	rs2459963	A	G	0.273	0.035	0.151	5.29E-15	-0.006	0.003	0.067	0.016	61.117	TRUE	3.40E-14
FEV1FVC	TP53INP1	cg26343298	rs10089123	A	G	-0.276	0.050	0.068	3.93E-08	-0.003	0.005	0.553	0.008	30.169	TRUE	6.59E-08
FEV1FVC	TP53INP1	cg26343298	rs113930555	A	C	0.423	0.051	0.066	2.06E-16	-0.005	0.005	0.303	0.018	67.511	TRUE	8.04E-16
FEV1FVC	TP53INP1	cg26343298	rs11787442	A	G	-0.254	0.033	0.178	1.25E-14	-0.004	0.003	0.198	0.016	59.429	TRUE	5.12E-14
FEV1FVC	TP53INP1	cg26343298	rs11986922	G	A	-0.149	0.026	0.444	8.86E-09	-0.003	0.003	0.315	0.009	33.058	TRUE	1.93E-08
FEV1FVC	TP53INP1	cg26343298	rs12056667	C	A	-0.302	0.034	0.176	1.22E-18	-0.004	0.003	0.219	0.021	77.625	TRUE	6.59E-18
FEV1FVC	TP53INP1	cg26343298	rs1320164	G	A	-0.582	0.024	0.498	4.39E-125	-0.006	0.002	0.009	0.133	565.590	TRUE	1.35E-115
FEV1FVC	TP53INP1	cg26343298	rs17666409	T	G	-0.333	0.056	0.053	3.03E-09	-0.013	0.005	0.010	0.009	35.145	TRUE	1.66E-08
FEV1FVC	TP53INP1	cg26343298	rs201770242	C	T	-0.242	0.037	0.135	3.88E-11	-0.006	0.004	0.146	0.012	43.649	TRUE	1.33E-10
FEV1FVC	TP53INP1	cg26343298	rs2599710	A	G	-0.161	0.027	0.363	2.09E-09	-0.002	0.003	0.338	0.010	35.870	TRUE	4.65E-09
FEV1FVC	TP53INP1	cg26343298	rs2678821	T	C	-0.306	0.052	0.062	4.05E-09	-0.007	0.005	0.169	0.009	34.580	TRUE	1.12E-08
FEV1FVC	TP53INP1	cg26343298	rs4329243	T	G	-0.216	0.026	0.390	3.61E-17	-0.003	0.002	0.190	0.019	70.943	TRUE	1.89E-16
FEV1FVC	TP53INP1	cg26343298	rs7459539	G	A	-0.253	0.035	0.154	4.93E-13	-0.003	0.003	0.421	0.014	52.205	TRUE	1.28E-12
FEV1FVC	TP53INP1	cg26343298	rs7823050	T	A	0.156	0.027	0.319	8.73E-09	0.008	0.003	0.003	0.009	33.088	TRUE	5.42E-08
FEV1FVC	TP53INP1	cg26343298	rs79951127	T	C	0.319	0.049	0.074	6.66E-11	-0.002	0.004	0.591	0.011	42.594	TRUE	1.26E-10
FEV1FVC	TP53INP2	cg00820065	rs6058108	G	A	-0.300	0.024	0.400	1.40E-36	0.010	0.002	4.58E-05	0.041	159.486	TRUE	1.26E-33
FEV1FVC	TP53INP2	cg00820065	rs7265992	A	G	0.187	0.030	0.170	4.76E-10	-0.006	0.003	0.040	0.010	38.752	TRUE	2.13E-09
FEV1FVC	TP53INP2	cg00876694	rs4911442	G	A	0.197	0.033	0.132	3.33E-09	-0.010	0.003	0.005	0.009	34.959	TRUE	2.11E-08
FEV1FVC	TP53INP2	cg00876694	rs6088618	A	G	-0.179	0.024	0.445	9.15E-14	0.013	0.002	9.70E-08	0.015	55.511	TRUE	5.56E-12
FEV1FVC	TP53INP2	cg04270048	rs13037664	T	C	0.501	0.029	0.183	3.14E-68	-0.007	0.003	0.030	0.076	304.519	TRUE	2.64E-64
FEV1FVC	TP53INP2	cg04270048	rs4911363	G	A	0.136	0.024	0.355	2.45E-08	0.007	0.003	0.007	0.008	31.082	TRUE	1.26E-07
FEV1FVC	TP53INP2	cg04270048	rs6058179	A	G	0.169	0.025	0.308	1.36E-11	0.002	0.003	0.459	0.012	45.694	TRUE	3.11E-11
FEV1FVC	TP53INP2	cg04270048	rs6088372	T	C	0.275	0.032	0.137	5.76E-18	-0.005	0.003	0.110	0.020	74.562	TRUE	3.94E-17
FEV1FVC	TP53INP2	cg06115741	rs13044031	C	A	0.413	0.051	0.055	4.96E-16	0.007	0.005	0.176	0.017	65.777	TRUE	2.42E-15
FEV1FVC	TP53INP2	cg06115741	rs143384	G	A	0.181	0.024	0.401	3.32E-14	0.010	0.002	9.19E-05	0.015	57.505	TRUE	8.73E-13
FEV1FVC	TP53INP2	cg06115741	rs146582515	G	T	0.466	0.084	0.019	2.62E-08	0.010	0.009	0.269	0.008	30.956	TRUE	5.81E-08
FEV1FVC	TP53INP2	cg06115741	rs147642147	T	C	0.413	0.049	0.073	5.22E-17	0.004	0.005	0.398	0.019	70.215	TRUE	1.84E-16
FEV1FVC	TP53INP2	cg06115741	rs17092209	G	A	-0.314	0.037	0.124	1.43E-17	-0.008	0.004	0.021	0.019	72.761	TRUE	1.74E-16
FEV1FVC	TP53INP2	cg06115741	rs17309872	T	A	-0.356	0.050	0.059	1.03E-12	0.014	0.005	0.004	0.014	50.757	TRUE	1.08E-11
FEV1FVC	TP53INP2	cg06115741	rs2069946	C	T	0.365	0.060	0.041	1.06E-09	0.012	0.006	0.042	0.010	37.195	TRUE	4.44E-09
FEV1FVC	TP53INP2	cg06115741	rs2425020	T	C	-0.328	0.043	0.269	1.13E-14	-0.003	0.003	0.263	0.016	59.621	TRUE	4.18E-14
FEV1FVC	TP53INP2	cg06115741	rs6058179	A	G	0.197	0.025	0.308	3.35E-15	0.002	0.003	0.459	0.016	62.017	TRUE	9.68E-15

FEV1FVC	TP53INP2	cg06115741	rs6059575	C	T	0.267	0.023	0.477	1.27E-30	0.008	0.002	8.18E-04	0.035	132.252	TRUE	1.97E-28
FEV1FVC	TP53INP2	cg06115741	rs6060017	C	A	-0.344	0.030	0.172	3.47E-31	-0.007	0.003	0.030	0.035	134.829	TRUE	1.63E-29
FEV1FVC	TP53INP2	cg06115741	rs6088776	C	T	0.288	0.034	0.139	1.08E-17	0.000	0.003	0.913	0.019	73.320	TRUE	2.19E-17
FEV1FVC	TP53INP2	cg06115741	rs681147	A	T	0.287	0.034	0.144	4.58E-17	0.002	0.003	0.539	0.019	70.470	TRUE	1.34E-16
FEV1FVC	TP53INP2	cg06115741	rs7267042	A	C	0.186	0.028	0.229	6.21E-11	0.004	0.003	0.160	0.011	42.731	TRUE	2.01E-10
FEV1FVC	TP53INP2	cg06115741	rs73095129	A	G	0.462	0.061	0.038	3.87E-14	0.005	0.007	0.450	0.015	57.201	TRUE	1.04E-13
FEV1FVC	TP53INP2	cg06115741	rs910869	T	C	0.676	0.023	0.398	1.77E-196	0.010	0.002	2.28E-05	0.195	893.743	TRUE	1.09E-175
FEV1FVC	TP53INP2	cg16810054	rs17310782	T	C	0.164	0.025	0.294	1.03E-10	0.002	0.003	0.460	0.011	41.750	TRUE	2.17E-10
FEV1FVC	TP53INP2	cg16810054	rs2424998	A	G	0.426	0.030	0.171	2.59E-47	-0.007	0.003	0.034	0.053	208.625	TRUE	8.49E-45
FEV1FVC	TP53INP2	cg16810054	rs6059839	C	T	-0.145	0.024	0.498	7.52E-10	-0.016	0.002	4.08E-11	0.010	37.861	TRUE	3.98E-08
FEV1FVC	TP53INP2	cg16810054	rs6088372	T	C	0.220	0.032	0.137	6.96E-12	-0.005	0.003	0.110	0.013	47.015	TRUE	2.75E-11
FEV1FVC	TP53INP2	cg16810054	rs77831801	G	A	0.421	0.075	0.029	1.76E-08	-0.013	0.008	0.093	0.009	31.730	TRUE	5.39E-08
FEV1FVC	TP53INP2	cg20592836	rs112321518	C	T	0.445	0.074	0.025	2.39E-09	0.006	0.008	0.408	0.010	35.606	TRUE	4.91E-09
FEV1FVC	TP53INP2	cg20592836	rs113921126	C	T	0.811	0.051	0.061	2.58E-57	0.007	0.005	0.188	0.064	254.464	TRUE	1.11E-54
FEV1FVC	TP53INP2	cg20592836	rs115799334	G	A	0.396	0.058	0.042	1.19E-11	0.006	0.006	0.271	0.012	45.960	TRUE	3.37E-11
FEV1FVC	TP53INP2	cg20592836	rs116971224	A	G	0.425	0.073	0.027	6.85E-09	-0.003	0.008	0.651	0.009	33.559	TRUE	1.10E-08
FEV1FVC	TP53INP2	cg20592836	rs12481340	A	G	0.635	0.083	0.020	1.95E-14	-0.010	0.009	0.263	0.016	58.549	TRUE	7.02E-14
FEV1FVC	TP53INP2	cg20592836	rs13042836	A	C	-0.459	0.061	0.036	5.69E-14	0.007	0.006	0.221	0.015	56.444	TRUE	2.13E-13
FEV1FVC	TP53INP2	cg20592836	rs147142368	T	A	0.713	0.082	0.020	4.81E-18	0.013	0.008	0.121	0.020	74.917	TRUE	3.27E-17
FEV1FVC	TP53INP2	cg20592836	rs148953382	A	G	0.322	0.055	0.044	4.61E-09	0.002	0.006	0.748	0.009	34.331	TRUE	6.94E-09
FEV1FVC	TP53INP2	cg20592836	rs1886693	G	C	0.220	0.024	0.397	8.47E-20	-0.008	0.002	8.87E-04	0.022	82.891	TRUE	3.18E-18
FEV1FVC	TP53INP2	cg20592836	rs200948404	A	G	-0.563	0.094	0.016	2.56E-09	-0.001	0.009	0.881	0.009	35.477	TRUE	3.54E-09
FEV1FVC	TP53INP2	cg20592836	rs2069946	C	T	0.640	0.060	0.041	9.12E-27	0.012	0.006	0.042	0.030	114.647	TRUE	2.25E-25
FEV1FVC	TP53INP2	cg20592836	rs2425023	C	T	0.656	0.024	0.337	8.64E-165	0.004	0.003	0.139	0.168	748.063	TRUE	1.00E-151
FEV1FVC	TP53INP2	cg20592836	rs2425050	G	A	0.236	0.029	0.213	4.08E-16	0.010	0.003	7.87E-04	0.018	66.160	TRUE	9.42E-15
FEV1FVC	TP53INP2	cg20592836	rs41312284	A	G	0.738	0.071	0.034	2.57E-25	0.008	0.007	0.211	0.028	108.029	TRUE	2.55E-24
FEV1FVC	TP53INP2	cg20592836	rs45610033	T	C	0.657	0.044	0.082	5.40E-51	0.002	0.005	0.707	0.057	225.491	TRUE	2.60E-49
FEV1FVC	TP53INP2	cg20592836	rs6057936	A	G	-0.352	0.030	0.197	5.79E-32	-0.015	0.003	1.13E-06	0.036	138.381	TRUE	5.90E-29
FEV1FVC	TP53INP2	cg20592836	rs6060017	C	A	-0.568	0.029	0.172	4.74E-84	-0.007	0.003	0.030	0.093	377.129	TRUE	6.62E-79
FEV1FVC	TP53INP2	cg20592836	rs6088316	G	A	-0.217	0.039	0.208	2.32E-08	0.000	0.003	0.974	0.008	31.186	TRUE	2.90E-08
FEV1FVC	TP53INP2	cg20592836	rs6142035	T	G	-0.222	0.036	0.118	8.28E-10	-0.010	0.004	0.007	0.010	37.672	TRUE	5.12E-09
FEV1FVC	TP53INP2	cg20592836	rs6142110	C	T	-0.292	0.033	0.149	1.73E-18	0.004	0.003	0.214	0.020	76.936	TRUE	9.58E-18
FEV1FVC	TP53INP2	cg20592836	rs6142137	C	T	0.994	0.017	0.425	<1E-200	0.010	0.002	2.01E-05	0.475	3351.556	TRUE	<1E-200
FEV1FVC	TP53INP2	cg20592836	rs71350377	T	C	0.654	0.101	0.016	9.94E-11	-0.010	0.013	0.438	0.011	41.811	TRUE	2.16E-10
FEV1FVC	TP53INP2	cg20592836	rs7266612	G	A	0.810	0.109	0.026	1.10E-13	0.007	0.008	0.366	0.015	55.153	TRUE	3.20E-13
FEV1FVC	TP53INP2	cg20592836	rs7267042	A	C	0.324	0.028	0.229	2.85E-30	0.004	0.003	0.160	0.034	130.649	TRUE	5.29E-29
FEV1FVC	TP53INP2	cg20592836	rs73095129	A	G	0.749	0.061	0.038	1.09E-34	0.005	0.007	0.450	0.039	150.843	TRUE	1.52E-33
FEV1FVC	TP53INP2	cg20592836	rs73096872	C	G	0.409	0.034	0.132	1.43E-32	0.003	0.004	0.406	0.037	141.155	TRUE	1.78E-31
FEV1FVC	TP53INP2	cg20592836	rs75401510	G	C	-0.604	0.050	0.059	1.26E-33	0.014	0.005	0.004	0.038	145.975	TRUE	1.78E-31
FEV1FVC	TP53INP2	cg20592836	rs77831801	G	A	-0.599	0.075	0.029	1.17E-15	-0.013	0.008	0.093	0.017	64.090	TRUE	6.99E-15
FEV1FVC	TP53INP2	cg24642439	rs113170938	A	C	0.577	0.096	0.018	1.61E-09	0.005	0.010	0.610	0.010	36.381	TRUE	2.77E-09
FEV1FVC	TP53INP2	cg24642439	rs13041102	A	G	0.385	0.053	0.052	3.72E-13	0.006	0.006	0.277	0.014	52.759	TRUE	1.18E-12

FEV1FVC	TP53INP2	cg24642439	rs147142368	T	A	0.448	0.081	0.020	2.88E-08	0.013	0.008	0.121	0.008	30.769	TRUE	8.14E-08
FEV1FVC	TP53INP2	cg24642439	rs17092209	G	A	-0.245	0.036	0.124	1.59E-11	-0.008	0.004	0.021	0.012	45.400	TRUE	9.85E-11
FEV1FVC	TP53INP2	cg24642439	rs181971379	A	G	0.357	0.063	0.034	1.48E-08	0.004	0.006	0.504	0.009	32.059	TRUE	2.65E-08
FEV1FVC	TP53INP2	cg24642439	rs2425020	T	C	-0.437	0.042	0.269	3.24E-25	-0.003	0.003	0.263	0.028	107.573	TRUE	2.87E-24
FEV1FVC	TP53INP2	cg24642439	rs41312284	A	G	0.484	0.071	0.034	1.11E-11	0.008	0.007	0.211	0.012	46.096	TRUE	3.49E-11
FEV1FVC	TP53INP2	cg24642439	rs6059529	T	A	0.178	0.028	0.239	1.04E-10	0.005	0.003	0.096	0.011	41.726	TRUE	3.85E-10
FEV1FVC	TP53INP2	cg24642439	rs6060313	T	C	0.273	0.035	0.136	2.89E-15	0.003	0.004	0.384	0.017	62.303	TRUE	9.04E-15
FEV1FVC	TP53INP2	cg24642439	rs6060378	G	T	0.242	0.025	0.322	1.34E-22	0.004	0.003	0.121	0.025	95.644	TRUE	1.39E-21
FEV1FVC	TP53INP2	cg24642439	rs6142047	C	T	-0.207	0.023	0.457	5.62E-19	-0.011	0.002	9.17E-06	0.021	79.154	TRUE	4.28E-17
FEV1FVC	TP53INP2	cg24642439	rs7265992	A	G	-0.315	0.029	0.170	1.06E-26	-0.006	0.003	0.040	0.030	114.356	TRUE	2.71E-25
FEV1FVC	TP53INP2	cg24642439	rs73096872	C	G	0.203	0.034	0.132	3.20E-09	0.003	0.004	0.406	0.009	35.039	TRUE	6.52E-09
FEV1FVC	TP53INP2	cg24642439	rs79078695	G	T	0.367	0.036	0.120	6.79E-25	0.006	0.004	0.070	0.028	106.105	TRUE	1.09E-23
FEV1FVC	TP53INP2	cg24642439	rs910869	T	C	0.678	0.021	0.398	4.05E-238	0.010	0.002	2.28E-05	0.227	1085.201	TRUE	2.27E-210
FEV1FVC	TP63	cg04483101	rs13071778	A	G	-0.267	0.043	0.076	7.34E-10	-0.005	0.005	0.295	0.010	37.908	TRUE	1.77E-09
FEV1FVC	TP63	cg04483101	rs17426118	A	G	0.459	0.078	0.051	3.94E-09	0.008	0.006	0.155	0.009	34.636	TRUE	1.12E-08
FEV1FVC	TP63	cg04483101	rs3856776	C	T	-0.203	0.024	0.480	6.40E-18	0.000	0.002	0.950	0.020	74.354	TRUE	1.28E-17
FEV1FVC	TP63	cg04483101	rs4686520	G	A	-0.754	0.020	0.480	<1E-200	0.005	0.002	0.058	0.277	1419.645	TRUE	2.33E-272
FEV1FVC	TP63	cg04483101	rs4687048	G	C	0.182	0.025	0.336	2.83E-13	-0.002	0.003	0.464	0.014	53.296	TRUE	7.19E-13
FEV1FVC	TP63	cg04483101	rs4687087	T	C	0.186	0.025	0.372	3.70E-14	0.001	0.003	0.670	0.015	57.293	TRUE	7.90E-14
FEV1FVC	TP63	cg04483101	rs58481885	T	C	-0.392	0.039	0.099	3.33E-24	0.000	0.004	0.954	0.027	102.960	TRUE	9.38E-24
FEV1FVC	TP63	cg04483101	rs6790731	G	C	0.327	0.037	0.126	8.34E-19	-0.006	0.004	0.113	0.021	78.375	TRUE	6.12E-18
FEV1FVC	TP63	cg04483101	rs6806854	G	T	0.384	0.024	0.404	4.08E-58	0.002	0.002	0.481	0.065	258.135	TRUE	7.73E-56
FEV1FVC	TP63	cg04483101	rs73889706	T	A	0.375	0.060	0.047	4.08E-10	-0.004	0.006	0.495	0.010	39.054	TRUE	8.07E-10
FEV1FVC	TP63	cg04483101	rs74732212	T	G	0.492	0.084	0.017	4.09E-09	0.012	0.009	0.146	0.009	34.560	TRUE	1.17E-08
FEV1FVC	TP63	cg05129081	rs10937405	T	C	-0.696	0.022	0.432	4.15E-219	0.008	0.002	0.001	0.212	997.789	TRUE	5.38E-196
FEV1FVC	TP63	cg05129081	rs114024501	G	C	-0.319	0.058	0.047	4.40E-08	0.001	0.006	0.895	0.008	29.948	TRUE	5.74E-08
FEV1FVC	TP63	cg05129081	rs13322838	T	C	0.184	0.029	0.226	1.35E-10	-0.001	0.003	0.663	0.011	41.209	TRUE	2.38E-10
FEV1FVC	TP63	cg05129081	rs2290328	G	A	-0.301	0.039	0.095	9.74E-15	0.003	0.004	0.501	0.016	59.916	TRUE	2.59E-14
FEV1FVC	TP63	cg05129081	rs260557	C	T	0.150	0.024	0.422	4.35E-10	-0.001	0.002	0.704	0.010	38.927	TRUE	7.14E-10
FEV1FVC	TP63	cg05129081	rs260575	C	T	0.277	0.047	0.070	4.58E-09	0.004	0.005	0.406	0.009	34.343	TRUE	9.24E-09
FEV1FVC	TP63	cg05129081	rs28407489	G	A	-0.148	0.023	0.496	2.35E-10	0.000	0.002	0.857	0.011	40.130	TRUE	3.44E-10
FEV1FVC	TP63	cg05129081	rs28817057	A	G	0.154	0.024	0.362	2.47E-10	0.001	0.003	0.582	0.011	40.032	TRUE	4.60E-10
FEV1FVC	TP63	cg05129081	rs35139818	G	C	0.451	0.040	0.092	7.27E-30	-0.007	0.004	0.106	0.034	128.793	TRUE	1.63E-28
FEV1FVC	TP63	cg05129081	rs4687087	T	C	0.198	0.025	0.372	6.80E-16	0.001	0.003	0.670	0.017	65.155	TRUE	1.61E-15
FEV1FVC	TP63	cg05129081	rs58481885	T	C	-0.403	0.039	0.099	1.96E-25	0.000	0.004	0.954	0.029	108.566	TRUE	6.00E-25
FEV1FVC	TP63	cg05129081	rs9864446	C	T	0.291	0.024	0.405	1.79E-33	0.002	0.002	0.481	0.038	145.286	TRUE	2.11E-32
FEV1FVC	TP63	cg06720722	rs13322838	T	C	0.185	0.029	0.226	9.37E-11	-0.001	0.003	0.663	0.011	41.926	TRUE	1.66E-10
FEV1FVC	TP63	cg06720722	rs16848860	C	T	-0.288	0.030	0.196	1.59E-22	-0.001	0.003	0.799	0.025	95.300	TRUE	4.91E-22
FEV1FVC	TP63	cg06720722	rs2378514	G	A	-0.195	0.024	0.396	1.95E-16	-0.001	0.002	0.686	0.018	67.621	TRUE	4.67E-16
FEV1FVC	TP63	cg06720722	rs3856776	C	T	-0.214	0.024	0.480	1.29E-19	0.000	0.002	0.950	0.022	82.067	TRUE	2.83E-19
FEV1FVC	TP63	cg06720722	rs60447162	A	G	0.416	0.074	0.030	2.25E-08	0.000	0.008	0.970	0.008	31.249	TRUE	2.82E-08
FEV1FVC	TP63	cg06720722	rs6792756	A	C	-0.313	0.043	0.078	2.84E-13	-0.006	0.004	0.211	0.014	53.286	TRUE	1.03E-12

FEV1FVC	TP63	cg06720722	rs74732212	T	G	0.493	0.084	0.017	3.97E-09	0.012	0.009	0.146	0.009	34.621	TRUE	1.14E-08
FEV1FVC	TP63	cg06720722	rs78880854	T	A	0.333	0.051	0.063	4.42E-11	-0.007	0.005	0.195	0.012	43.395	TRUE	1.37E-10
FEV1FVC	TP63	cg06720722	rs9831513	A	G	0.290	0.024	0.404	2.50E-33	0.002	0.002	0.515	0.038	144.620	TRUE	2.78E-32
FEV1FVC	TP63	cg08040824	rs16864540	C	T	-0.196	0.024	0.370	9.55E-16	-0.003	0.003	0.220	0.017	64.485	TRUE	4.14E-15
FEV1FVC	TP63	cg12188416	rs1152862	C	T	0.159	0.028	0.234	1.12E-08	0.003	0.003	0.255	0.009	32.603	TRUE	2.62E-08
FEV1FVC	TP63	cg12188416	rs13322838	T	C	0.248	0.029	0.226	3.16E-18	-0.001	0.003	0.663	0.020	75.748	TRUE	8.69E-18
FEV1FVC	TP63	cg12188416	rs2290328	G	A	-0.315	0.039	0.095	5.15E-16	0.003	0.004	0.501	0.017	65.701	TRUE	1.49E-15
FEV1FVC	TP63	cg12188416	rs260557	C	T	0.139	0.024	0.422	8.12E-09	-0.001	0.002	0.704	0.009	33.229	TRUE	1.25E-08
FEV1FVC	TP63	cg12188416	rs260575	C	T	0.324	0.047	0.070	7.20E-12	0.004	0.005	0.406	0.013	46.945	TRUE	1.75E-11
FEV1FVC	TP63	cg12188416	rs28407489	G	A	-0.138	0.023	0.496	3.89E-09	0.000	0.002	0.857	0.009	34.659	TRUE	5.40E-09
FEV1FVC	TP63	cg12188416	rs3856776	C	T	-0.225	0.024	0.480	1.29E-21	0.000	0.002	0.950	0.024	91.156	TRUE	3.20E-21
FEV1FVC	TP63	cg12188416	rs4687087	T	C	0.244	0.025	0.372	2.79E-23	0.001	0.003	0.670	0.026	98.749	TRUE	1.07E-22
FEV1FVC	TP63	cg12188416	rs58481885	T	C	-0.441	0.039	0.099	3.14E-30	0.000	0.004	0.954	0.034	130.460	TRUE	1.35E-29
FEV1FVC	TP63	cg12188416	rs6765015	A	T	0.137	0.024	0.362	1.98E-08	0.002	0.002	0.341	0.008	31.494	TRUE	4.11E-08
FEV1FVC	TP63	cg12188416	rs73188250	T	C	-0.778	0.021	0.404	<1E-200	0.008	0.002	0.001	0.279	1429.704	TRUE	4.53E-272
FEV1FVC	TP63	cg12188416	rs79251530	A	C	0.330	0.050	0.065	3.59E-11	-0.009	0.005	0.064	0.012	43.803	TRUE	1.61E-10
FEV1FVC	TP63	cg12188416	rs9831513	A	G	0.407	0.024	0.404	4.05E-65	0.002	0.002	0.515	0.073	290.253	TRUE	1.89E-62
FEV1FVC	TP63	cg12868970	rs55877884	T	A	-0.162	0.025	0.300	1.85E-10	-0.003	0.003	0.288	0.011	40.601	TRUE	4.75E-10
FEV1FVC	TP63	cg13518031	rs6776411	G	A	-0.170	0.024	0.370	4.21E-12	-0.003	0.003	0.198	0.013	47.997	TRUE	1.40E-11
FEV1FVC	TP63	cg16764781	rs260585	C	A	0.206	0.033	0.153	3.40E-10	-0.001	0.003	0.786	0.011	39.406	TRUE	5.28E-10
FEV1FVC	TP63	cg16764781	rs6800058	C	T	0.415	0.024	0.370	9.69E-66	-0.003	0.003	0.200	0.073	293.102	TRUE	1.32E-62
FEV1FVC	TP63	cg21723486	rs16848860	C	T	-0.293	0.029	0.196	3.24E-23	-0.001	0.003	0.799	0.026	98.453	TRUE	1.05E-22
FEV1FVC	TP63	cg21723486	rs2290328	G	A	-0.238	0.039	0.095	9.32E-10	0.003	0.004	0.501	0.010	37.443	TRUE	1.81E-09
FEV1FVC	TP63	cg21723486	rs2378514	G	A	-0.189	0.024	0.396	1.57E-15	-0.001	0.002	0.686	0.017	63.506	TRUE	3.57E-15
FEV1FVC	TP63	cg21723486	rs260585	C	A	0.364	0.033	0.153	5.61E-29	-0.001	0.003	0.786	0.033	124.739	TRUE	2.79E-28
FEV1FVC	TP63	cg21723486	rs264153	C	T	0.181	0.026	0.282	3.15E-12	0.004	0.003	0.122	0.013	48.569	TRUE	1.24E-11
FEV1FVC	TP63	cg21723486	rs6800058	C	T	0.671	0.023	0.370	8.57E-182	-0.003	0.003	0.200	0.183	826.227	TRUE	1.14E-166
FEV1FVC	TP63	cg21723486	rs73889706	T	A	0.439	0.060	0.047	2.57E-13	-0.004	0.006	0.495	0.014	53.481	TRUE	6.21E-13
FEV1FVC	TP63	cg21723486	rs7619107	A	G	-0.164	0.025	0.344	5.77E-11	-0.003	0.003	0.328	0.011	42.875	TRUE	1.47E-10
FEV1FVC	TP63	cg21723486	rs79887304	G	A	0.309	0.051	0.055	1.25E-09	0.003	0.005	0.614	0.010	36.864	TRUE	2.18E-09
FEV1FVC	TP73	cg00505606	rs3765754	C	T	-0.202	0.024	0.339	2.45E-17	-0.006	0.003	0.021	0.019	71.706	TRUE	2.77E-16
FEV1FVC	TP73	cg00589002	rs1122723	G	A	-0.198	0.024	0.426	1.44E-16	-0.003	0.002	0.220	0.018	68.214	TRUE	6.50E-16
FEV1FVC	TP73	cg00589002	rs144666894	A	T	-0.403	0.067	0.029	1.57E-09	-0.008	0.006	0.231	0.010	36.424	TRUE	4.06E-09
FEV1FVC	TP73	cg00589002	rs3819963	T	C	0.288	0.030	0.178	2.90E-21	0.006	0.003	0.053	0.024	89.563	TRUE	3.71E-20
FEV1FVC	TP73	cg02134594	rs3765754	C	T	-0.289	0.024	0.339	5.81E-34	-0.006	0.003	0.021	0.038	147.516	TRUE	4.34E-32
FEV1FVC	TP73	cg03103850	rs3765754	C	T	-0.181	0.024	0.339	3.50E-14	-0.006	0.003	0.021	0.015	57.399	TRUE	2.82E-13
FEV1FVC	TP73	cg04137576	rs1885863	C	T	-0.318	0.029	0.207	2.20E-28	0.006	0.003	0.066	0.032	122.031	TRUE	5.34E-27
FEV1FVC	TP73	cg04137576	rs2760321	T	C	0.272	0.031	0.175	1.53E-18	-0.001	0.003	0.712	0.020	77.182	TRUE	4.03E-18
FEV1FVC	TP73	cg04137576	rs3818330	T	G	-0.242	0.028	0.213	1.25E-17	-0.003	0.003	0.244	0.019	73.031	TRUE	6.02E-17
FEV1FVC	TP73	cg04159546	rs2146657	A	G	-0.235	0.029	0.203	6.09E-16	0.006	0.003	0.042	0.017	65.371	TRUE	5.05E-15
FEV1FVC	TP73	cg04159546	rs35837097	A	G	-0.146	0.024	0.468	5.86E-10	0.005	0.002	0.046	0.010	38.347	TRUE	2.50E-09
FEV1FVC	TP73	cg04159546	rs375432272	A	C	-0.744	0.113	0.022	3.85E-11	-0.003	0.008	0.734	0.012	43.664	TRUE	6.53E-11

FEV1FVC	TP73	cg04159546	rs3765703	G	T	-0.355	0.024	0.426	1.00E-50	-0.003	0.002	0.227	0.057	224.265	TRUE	1.51E-48
FEV1FVC	TP73	cg04159546	rs3765751	A	G	-0.351	0.025	0.289	2.35E-43	-0.005	0.003	0.066	0.049	190.498	TRUE	3.16E-41
FEV1FVC	TP73	cg04159546	rs3765769	C	T	-0.434	0.062	0.035	2.72E-12	-0.005	0.007	0.460	0.013	48.854	TRUE	6.39E-12
FEV1FVC	TP73	cg04159546	rs6702451	T	A	-0.181	0.030	0.194	1.60E-09	-0.007	0.003	0.023	0.010	36.385	TRUE	7.76E-09
FEV1FVC	TP73	cg04159546	rs7526126	G	C	-0.180	0.031	0.177	5.70E-09	-0.002	0.003	0.602	0.009	33.916	TRUE	9.49E-09
FEV1FVC	TP73	cg04392488	rs12117836	A	G	-0.380	0.025	0.346	2.77E-53	-0.004	0.003	0.074	0.060	235.985	TRUE	1.29E-50
FEV1FVC	TP73	cg04392488	rs3753205	C	G	-0.249	0.043	0.213	7.31E-09	-0.007	0.003	0.012	0.009	33.433	TRUE	3.76E-08
FEV1FVC	TP73	cg04392488	rs3765754	C	T	-0.198	0.024	0.339	1.40E-16	-0.006	0.003	0.021	0.018	68.263	TRUE	1.47E-15
FEV1FVC	TP73	cg04562683	rs12095248	G	A	0.457	0.040	0.093	7.31E-30	-0.001	0.004	0.865	0.034	128.783	TRUE	3.51E-29
FEV1FVC	TP73	cg04562683	rs12121865	A	G	-0.508	0.074	0.058	5.48E-12	-0.014	0.005	0.005	0.013	47.482	TRUE	4.91E-11
FEV1FVC	TP73	cg04562683	rs12737840	T	C	-0.815	0.027	0.387	3.71E-200	-0.005	0.003	0.044	0.198	910.649	TRUE	1.61E-181
FEV1FVC	TP73	cg04562683	rs2224718	T	C	0.138	0.024	0.420	1.08E-08	0.002	0.002	0.346	0.009	32.675	TRUE	2.28E-08
FEV1FVC	TP73	cg04562683	rs35837097	A	G	-0.223	0.024	0.468	2.84E-21	0.005	0.002	0.046	0.024	89.600	TRUE	3.86E-20
FEV1FVC	TP73	cg04562683	rs3765702	T	C	0.154	0.024	0.388	2.26E-10	-0.001	0.003	0.799	0.011	40.210	TRUE	3.46E-10
FEV1FVC	TP73	cg04562683	rs6424089	A	G	-0.318	0.034	0.461	3.31E-20	-0.005	0.002	0.049	0.022	84.747	TRUE	3.88E-19
FEV1FVC	TP73	cg04562683	rs72470159	C	G	0.669	0.095	0.034	1.72E-12	-0.008	0.007	0.236	0.013	49.755	TRUE	5.53E-12
FEV1FVC	TP73	cg04600984	rs36031771	G	A	-0.138	0.024	0.404	1.18E-08	0.003	0.003	0.191	0.009	32.509	TRUE	2.96E-08
FEV1FVC	TP73	cg04600984	rs4648534	T	C	-0.188	0.027	0.270	3.50E-12	0.007	0.003	0.007	0.013	48.361	TRUE	2.98E-11
FEV1FVC	TP73	cg04600984	rs75368081	G	A	-0.253	0.044	0.072	7.23E-09	-0.004	0.004	0.320	0.009	33.453	TRUE	1.58E-08
FEV1FVC	TP73	cg05116756	rs35837097	A	G	-0.203	0.023	0.468	1.70E-18	0.005	0.002	0.046	0.020	76.973	TRUE	1.73E-17
FEV1FVC	TP73	cg05116756	rs3765754	C	T	-0.136	0.024	0.339	7.59E-09	-0.006	0.003	0.021	0.009	33.359	TRUE	3.36E-08
FEV1FVC	TP73	cg05782471	rs1181880	T	C	-0.212	0.038	0.099	3.26E-08	0.006	0.004	0.092	0.008	30.527	TRUE	9.76E-08
FEV1FVC	TP73	cg05782471	rs2146659	G	A	-0.276	0.024	0.365	5.28E-30	0.001	0.003	0.586	0.034	129.427	TRUE	3.72E-29
FEV1FVC	TP73	cg05924583	rs12408890	C	T	-0.167	0.025	0.340	1.32E-11	0.003	0.003	0.267	0.012	45.754	TRUE	3.81E-11
FEV1FVC	TP73	cg05936300	rs2760317	T	C	-0.322	0.051	0.058	1.84E-10	0.019	0.005	1.31E-04	0.011	40.608	TRUE	2.42E-09
FEV1FVC	TP73	cg05936300	rs2821022	A	T	-0.303	0.026	0.300	2.58E-32	0.004	0.003	0.104	0.036	139.989	TRUE	7.54E-31
FEV1FVC	TP73	cg05936300	rs3765703	G	T	-0.182	0.024	0.426	3.29E-14	-0.003	0.002	0.227	0.015	57.524	TRUE	1.23E-13
FEV1FVC	TP73	cg05936300	rs7416277	A	G	-0.346	0.061	0.039	1.32E-08	-0.006	0.006	0.318	0.009	32.285	TRUE	2.84E-08
FEV1FVC	TP73	cg06646112	rs3765737	G	A	0.251	0.024	0.376	1.95E-25	0.000	0.002	0.887	0.029	108.574	TRUE	6.44E-25
FEV1FVC	TP73	cg06939447	rs3765703	G	T	-0.134	0.024	0.426	1.90E-08	-0.003	0.002	0.227	0.008	31.580	TRUE	4.51E-08
FEV1FVC	TP73	cg06996273	rs3765754	C	T	-0.136	0.024	0.339	1.53E-08	-0.006	0.003	0.021	0.009	31.995	TRUE	6.54E-08
FEV1FVC	TP73	cg07045089	rs2296032	C	T	0.387	0.032	0.319	2.20E-33	0.002	0.003	0.408	0.038	144.874	TRUE	2.89E-32
FEV1FVC	TP73	cg07045089	rs3765763	A	C	-0.169	0.031	0.174	4.66E-08	0.005	0.003	0.094	0.008	29.836	TRUE	1.37E-07
FEV1FVC	TP73	cg08887707	rs1181877	T	C	-0.286	0.035	0.302	1.13E-16	-0.003	0.003	0.320	0.018	68.695	TRUE	4.36E-16
FEV1FVC	TP73	cg08887707	rs1181880	T	C	0.234	0.038	0.099	1.19E-09	0.006	0.004	0.092	0.010	36.972	TRUE	4.07E-09
FEV1FVC	TP73	cg08887707	rs12032272	T	C	-1.279	0.035	0.164	4.89E-293	-0.009	0.003	0.008	0.266	1337.767	TRUE	4.44E-257
FEV1FVC	TP73	cg08887707	rs35761570	C	T	-0.187	0.028	0.233	2.04E-11	-0.003	0.003	0.306	0.012	44.905	TRUE	5.49E-11
FEV1FVC	TP73	cg08887707	rs3753205	C	G	-0.415	0.043	0.213	1.85E-22	-0.007	0.003	0.012	0.025	95.007	TRUE	4.69E-21
FEV1FVC	TP73	cg08887707	rs3765762	A	G	-1.036	0.064	0.034	2.48E-59	-0.009	0.007	0.179	0.067	263.716	TRUE	1.44E-56
FEV1FVC	TP73	cg08887707	rs4582730	G	A	0.283	0.024	0.380	7.30E-32	0.001	0.003	0.764	0.036	137.923	TRUE	4.61E-31
FEV1FVC	TP73	cg08887707	rs76073395	T	C	-0.503	0.056	0.090	2.98E-19	-0.006	0.004	0.163	0.021	80.406	TRUE	1.95E-18
FEV1FVC	TP73	cg09248714	rs3765692	C	T	0.379	0.037	0.249	8.86E-25	-0.004	0.003	0.169	0.028	105.580	TRUE	9.51E-24

FEV1FVC	TP73	cg09248714	rs3765730	A	G	-0.162	0.025	0.362	5.65E-11	-0.001	0.003	0.854	0.011	42.917	TRUE	8.67E-11
FEV1FVC	TP73	cg09248714	rs60206806	C	T	0.217	0.031	0.175	2.44E-12	-0.001	0.003	0.757	0.013	49.070	TRUE	4.31E-12
FEV1FVC	TP73	cg09852697	rs1122723	G	A	-0.395	0.024	0.426	6.89E-63	-0.003	0.002	0.220	0.070	280.020	TRUE	5.49E-60
FEV1FVC	TP73	cg09852697	rs3765736	T	C	0.368	0.024	0.376	3.19E-53	0.001	0.002	0.804	0.060	235.701	TRUE	1.66E-51
FEV1FVC	TP73	cg09852697	rs3765769	C	T	-0.468	0.062	0.035	5.12E-14	-0.005	0.007	0.460	0.015	56.653	TRUE	1.35E-13
FEV1FVC	TP73	cg11504517	rs10752739	G	A	0.405	0.023	0.482	1.52E-67	-0.002	0.002	0.408	0.075	301.378	TRUE	1.32E-64
FEV1FVC	TP73	cg11504517	rs2821022	A	T	-0.215	0.026	0.300	6.67E-17	0.004	0.003	0.104	0.019	69.731	TRUE	4.27E-16
FEV1FVC	TP73	cg11504517	rs3765703	G	T	-0.213	0.024	0.426	4.94E-19	-0.003	0.002	0.227	0.021	79.411	TRUE	2.73E-18
FEV1FVC	TP73	cg11585071	rs1181880	T	C	-0.245	0.038	0.099	1.80E-10	0.006	0.004	0.092	0.011	40.645	TRUE	6.69E-10
FEV1FVC	TP73	cg11585071	rs12121865	A	G	0.438	0.074	0.058	2.90E-09	-0.014	0.005	0.005	0.009	35.231	TRUE	1.82E-08
FEV1FVC	TP73	cg11585071	rs1885870	C	G	-0.840	0.021	0.372	<1E-200	-0.001	0.003	0.797	0.300	1586.883	TRUE	2.37E-303
FEV1FVC	TP73	cg11585071	rs3765732	G	A	0.416	0.047	0.161	5.34E-19	0.001	0.003	0.689	0.021	79.255	TRUE	1.48E-18
FEV1FVC	TP73	cg11585071	rs55657548	T	C	0.406	0.030	0.178	1.53E-40	0.006	0.003	0.044	0.046	177.614	TRUE	1.91E-38
FEV1FVC	TP73	cg11585071	rs7542464	T	C	0.295	0.025	0.317	2.71E-31	-0.004	0.003	0.139	0.035	135.319	TRUE	6.13E-30
FEV1FVC	TP73	cg11970695	rs1122723	G	A	0.169	0.024	0.426	1.83E-12	-0.003	0.002	0.220	0.013	49.627	TRUE	5.98E-12
FEV1FVC	TP73	cg12268562	rs1122723	G	A	-0.272	0.024	0.426	5.45E-30	-0.003	0.002	0.220	0.034	129.365	TRUE	8.05E-29
FEV1FVC	TP73	cg12268562	rs1885868	C	T	-0.491	0.061	0.038	7.32E-16	-0.006	0.006	0.317	0.017	65.010	TRUE	2.66E-15
FEV1FVC	TP73	cg12268562	rs2146659	G	A	0.321	0.024	0.365	3.08E-40	0.001	0.003	0.586	0.045	176.228	TRUE	5.58E-39
FEV1FVC	TP73	cg12268562	rs3819968	T	G	-0.211	0.032	0.411	8.58E-11	-0.007	0.003	0.009	0.011	42.097	TRUE	5.91E-10
FEV1FVC	TP73	cg13914636	rs3765743	T	C	-0.314	0.023	0.487	2.63E-42	0.001	0.002	0.614	0.048	185.697	TRUE	5.74E-41
FEV1FVC	TP73	cg13914636	rs3765769	C	T	-0.349	0.062	0.035	1.93E-08	-0.005	0.007	0.460	0.008	31.543	TRUE	3.56E-08
FEV1FVC	TP73	cg13943358	rs10910003	A	G	0.508	0.048	0.148	3.94E-26	-0.009	0.003	0.007	0.029	111.745	TRUE	1.78E-24
FEV1FVC	TP73	cg14159342	rs2208992	C	T	-0.139	0.024	0.420	9.27E-09	0.002	0.002	0.320	0.009	32.972	TRUE	2.01E-08
FEV1FVC	TP73	cg14159342	rs35837097	A	G	0.147	0.024	0.468	5.16E-10	0.005	0.002	0.046	0.010	38.596	TRUE	2.22E-09
FEV1FVC	TP73	cg14159342	rs3765703	G	T	-0.262	0.024	0.426	4.33E-28	-0.003	0.002	0.227	0.032	120.687	TRUE	5.34E-27
FEV1FVC	TP73	cg14159342	rs3765754	C	T	0.151	0.024	0.339	3.38E-10	-0.006	0.003	0.021	0.011	39.418	TRUE	1.75E-09
FEV1FVC	TP73	cg14159342	rs3765769	C	T	-0.354	0.062	0.035	1.32E-08	-0.005	0.007	0.460	0.009	32.283	TRUE	2.46E-08
FEV1FVC	TP73	cg14660788	rs1122723	G	A	-0.295	0.024	0.426	3.73E-35	-0.003	0.002	0.220	0.040	152.973	TRUE	9.25E-34
FEV1FVC	TP73	cg14660788	rs12032272	T	C	-0.269	0.047	0.164	8.39E-09	-0.009	0.003	0.008	0.009	33.165	TRUE	4.53E-08
FEV1FVC	TP73	cg14660788	rs12757620	G	T	0.163	0.024	0.434	6.27E-12	-0.002	0.002	0.420	0.013	47.216	TRUE	1.49E-11
FEV1FVC	TP73	cg14660788	rs2146659	G	A	0.322	0.024	0.365	1.48E-40	0.001	0.003	0.586	0.046	177.684	TRUE	2.77E-39
FEV1FVC	TP73	cg15161371	rs3765736	T	C	0.134	0.024	0.376	2.25E-08	0.001	0.002	0.804	0.008	31.251	TRUE	3.16E-08
FEV1FVC	TP73	cg16024523	rs1181880	T	C	-0.215	0.038	0.099	1.97E-08	0.006	0.004	0.092	0.008	31.509	TRUE	6.01E-08
FEV1FVC	TP73	cg16024523	rs3765753	T	G	0.339	0.025	0.289	8.50E-41	-0.005	0.003	0.071	0.046	178.787	TRUE	7.95E-39
FEV1FVC	TP73	cg16024523	rs3819958	A	G	-0.220	0.027	0.252	2.09E-16	0.005	0.003	0.095	0.018	67.483	TRUE	1.31E-15
FEV1FVC	TP73	cg17163168	rs12757620	G	T	0.257	0.024	0.434	2.47E-27	-0.002	0.002	0.420	0.031	117.232	TRUE	1.85E-26
FEV1FVC	TP73	cg17163168	rs2181484	A	G	-0.230	0.039	0.108	2.77E-09	0.014	0.004	7.36E-04	0.009	35.323	TRUE	2.37E-08
FEV1FVC	TP73	cg17163168	rs3765703	G	T	-0.462	0.023	0.426	1.65E-86	-0.003	0.002	0.227	0.095	388.411	TRUE	6.41E-82
FEV1FVC	TP73	cg17471939	rs114270141	T	C	-0.384	0.066	0.032	5.07E-09	-0.008	0.006	0.189	0.009	34.145	TRUE	1.34E-08
FEV1FVC	TP73	cg17471939	rs2181484	A	G	-0.220	0.039	0.108	1.31E-08	0.014	0.004	7.36E-04	0.009	32.302	TRUE	1.01E-07
FEV1FVC	TP73	cg17471939	rs3765695	A	C	-0.214	0.032	0.149	2.85E-11	-0.005	0.003	0.113	0.012	44.254	TRUE	1.08E-10
FEV1FVC	TP73	cg17471939	rs3765703	G	T	-0.405	0.024	0.426	3.45E-66	-0.003	0.002	0.227	0.074	295.157	TRUE	4.49E-63

FEV1FVC	TP73	cg17471939	rs4582730	G	A	0.133	0.024	0.380	4.46E-08	0.001	0.003	0.764	0.008	29.921	TRUE	6.30E-08
FEV1FVC	TP73	cg17471939	rs55728961	A	C	0.238	0.024	0.452	5.51E-24	-0.001	0.002	0.553	0.027	101.960	TRUE	2.56E-23
FEV1FVC	TP73	cg17804348	rs1181867	A	G	-0.155	0.028	0.219	3.05E-08	0.007	0.003	0.018	0.008	30.657	TRUE	1.33E-07
FEV1FVC	TP73	cg17804348	rs12757620	G	T	0.178	0.024	0.434	6.67E-14	-0.002	0.002	0.420	0.015	56.134	TRUE	1.81E-13
FEV1FVC	TP73	cg17804348	rs2251098	G	A	-0.218	0.039	0.108	1.72E-08	0.014	0.004	5.06E-04	0.009	31.766	TRUE	1.35E-07
FEV1FVC	TP73	cg17907911	rs3765739	G	A	-0.426	0.023	0.376	2.91E-74	0.001	0.002	0.826	0.082	332.204	TRUE	2.45E-71
FEV1FVC	TP73	cg17919477	rs10910001	C	T	-0.315	0.058	0.045	4.60E-08	0.003	0.006	0.572	0.008	29.863	TRUE	7.56E-08
FEV1FVC	TP73	cg17919477	rs2244942	C	T	-0.425	0.025	0.282	2.98E-64	-0.002	0.003	0.425	0.072	286.276	TRUE	1.54E-61
FEV1FVC	TP73	cg17919477	rs36031771	G	A	-0.165	0.024	0.404	4.88E-12	0.003	0.003	0.191	0.013	47.707	TRUE	1.61E-11
FEV1FVC	TP73	cg17919477	rs6679556	T	A	-0.287	0.029	0.202	8.12E-24	0.006	0.003	0.066	0.027	101.193	TRUE	1.23E-22
FEV1FVC	TP73	cg17986341	rs1745813	T	C	-0.265	0.028	0.214	4.02E-21	0.008	0.003	0.008	0.023	88.914	TRUE	9.30E-20
FEV1FVC	TP73	cg17986341	rs6695978	A	G	0.378	0.059	0.040	2.12E-10	-0.006	0.006	0.335	0.011	40.329	TRUE	5.04E-10
FEV1FVC	TP73	cg18279180	rs12033595	G	A	-0.647	0.046	0.164	1.38E-45	-0.009	0.003	0.007	0.051	200.714	TRUE	7.84E-43
FEV1FVC	TP73	cg18279180	rs12126706	T	C	0.182	0.025	0.300	8.26E-13	0.005	0.003	0.079	0.014	51.190	TRUE	4.05E-12
FEV1FVC	TP73	cg18279180	rs3765703	G	T	-0.192	0.024	0.426	9.15E-16	-0.003	0.002	0.227	0.017	64.571	TRUE	3.87E-15
FEV1FVC	TP73	cg18279180	rs3765770	A	G	-0.612	0.062	0.035	5.43E-23	-0.005	0.007	0.469	0.026	97.433	TRUE	2.67E-22
FEV1FVC	TP73	cg19688837	rs2096224	G	A	0.152	0.028	0.218	4.98E-08	0.008	0.003	0.007	0.008	29.710	TRUE	2.54E-07
FEV1FVC	TP73	cg19692322	rs3765754	C	T	-0.158	0.024	0.339	4.53E-11	-0.006	0.003	0.021	0.012	43.347	TRUE	2.58E-10
FEV1FVC	TP73	cg19819912	rs3765754	C	T	-0.137	0.024	0.339	1.08E-08	-0.006	0.003	0.021	0.009	32.679	TRUE	4.68E-08
FEV1FVC	TP73	cg20306863	rs10910003	A	G	0.393	0.048	0.148	4.54E-16	-0.009	0.003	0.007	0.018	65.952	TRUE	6.15E-15
FEV1FVC	TP73	cg20306863	rs12121865	A	G	0.545	0.074	0.058	1.29E-13	-0.014	0.005	0.005	0.015	54.829	TRUE	1.42E-12
FEV1FVC	TP73	cg20306863	rs34868661	G	A	-0.256	0.024	0.364	1.52E-25	0.000	0.003	0.963	0.029	109.073	TRUE	4.63E-25
FEV1FVC	TP73	cg20306863	rs6663736	C	T	-0.154	0.026	0.290	1.75E-09	-0.002	0.003	0.489	0.010	36.215	TRUE	3.35E-09
FEV1FVC	TP73	cg20306863	rs7544357	A	G	0.155	0.026	0.288	2.75E-09	-0.004	0.003	0.140	0.009	35.331	TRUE	8.18E-09
FEV1FVC	TP73	cg20768358	rs10909975	C	A	0.191	0.032	0.174	1.57E-09	-0.004	0.003	0.231	0.010	36.421	TRUE	4.10E-09
FEV1FVC	TP73	cg20768358	rs10909987	G	C	-0.300	0.025	0.340	4.43E-34	0.003	0.003	0.213	0.038	148.057	TRUE	1.07E-32
FEV1FVC	TP73	cg20768358	rs10910001	C	T	-0.449	0.058	0.045	1.47E-14	0.003	0.006	0.572	0.016	59.102	TRUE	3.54E-14
FEV1FVC	TP73	cg20768358	rs10910003	A	G	0.502	0.048	0.148	1.92E-25	-0.009	0.003	0.007	0.029	108.610	TRUE	7.95E-24
FEV1FVC	TP73	cg20768358	rs12028205	T	G	-0.134	0.024	0.420	2.12E-08	-0.003	0.002	0.216	0.008	31.365	TRUE	5.14E-08
FEV1FVC	TP73	cg20768358	rs12408890	C	T	-0.572	0.024	0.340	5.32E-126	0.003	0.003	0.267	0.133	569.801	TRUE	7.46E-118
FEV1FVC	TP73	cg20768358	rs1885868	C	T	-0.359	0.061	0.038	3.85E-09	-0.006	0.006	0.317	0.009	34.678	TRUE	8.60E-09
FEV1FVC	TP73	cg21388339	rs12126706	T	C	-0.311	0.025	0.300	1.10E-34	0.005	0.003	0.079	0.039	150.830	TRUE	4.96E-33
FEV1FVC	TP73	cg21388339	rs144666894	A	T	-0.387	0.067	0.029	7.03E-09	-0.008	0.006	0.231	0.009	33.508	TRUE	1.73E-08
FEV1FVC	TP73	cg21388339	rs2273953	A	G	0.251	0.043	0.208	6.38E-09	-0.006	0.003	0.049	0.009	33.698	TRUE	2.40E-08
FEV1FVC	TP73	cg21388339	rs3765698	C	T	0.262	0.044	0.072	2.10E-09	-0.005	0.004	0.301	0.010	35.855	TRUE	4.85E-09
FEV1FVC	TP73	cg21388339	rs3765732	G	A	1.116	0.043	0.161	2.84E-149	0.001	0.003	0.689	0.155	676.742	TRUE	2.80E-139
FEV1FVC	TP73	cg21388339	rs3765758	G	A	0.152	0.024	0.440	1.41E-10	-0.001	0.002	0.556	0.011	41.124	TRUE	2.70E-10
FEV1FVC	TP73	cg21388339	rs3765768	C	T	0.299	0.032	0.499	2.06E-20	0.000	0.003	0.955	0.023	85.687	TRUE	4.56E-20
FEV1FVC	TP73	cg21418707	rs3819959	C	T	-0.186	0.024	0.373	1.61E-14	0.001	0.003	0.797	0.016	58.923	TRUE	3.04E-14
FEV1FVC	TP73	cg21827809	rs3765703	G	T	-0.227	0.024	0.426	1.97E-21	-0.003	0.002	0.227	0.024	90.323	TRUE	1.34E-20
FEV1FVC	TP73	cg21827809	rs4648530	G	A	-0.156	0.028	0.226	2.57E-08	-0.003	0.003	0.327	0.008	30.988	TRUE	5.32E-08
FEV1FVC	TP73	cg21827809	rs60206806	C	T	-0.533	0.030	0.175	3.92E-69	-0.001	0.003	0.757	0.077	308.669	TRUE	1.83E-66

FEV1FVC	TP73	cg22039909	rs2254530	C	A	0.157	0.026	0.258	3.28E-09	0.006	0.003	0.035	0.009	34.992	TRUE	1.38E-08
FEV1FVC	TP73	cg22039909	rs41301973	A	G	0.509	0.059	0.040	6.95E-18	-0.007	0.006	0.296	0.020	74.189	TRUE	3.03E-17
FEV1FVC	TP73	cg22048228	rs3765703	G	T	0.179	0.024	0.426	6.11E-14	-0.003	0.002	0.227	0.015	56.305	TRUE	2.24E-13
FEV1FVC	TP73	cg22234529	rs12028205	T	G	-0.266	0.024	0.420	6.49E-29	-0.003	0.002	0.216	0.033	124.449	TRUE	9.05E-28
FEV1FVC	TP73	cg22234529	rs35837097	A	G	0.147	0.024	0.468	4.98E-10	0.005	0.002	0.046	0.010	38.664	TRUE	2.14E-09
FEV1FVC	TP73	cg22234529	rs3765754	C	T	0.204	0.024	0.339	1.40E-17	-0.006	0.003	0.021	0.019	72.816	TRUE	1.62E-16
FEV1FVC	TP73	cg22383924	rs3765703	G	T	-0.131	0.024	0.426	4.32E-08	-0.003	0.002	0.227	0.008	29.983	TRUE	9.99E-08
FEV1FVC	TP73	cg23052055	rs1122723	G	A	-0.314	0.024	0.426	7.64E-40	-0.003	0.002	0.220	0.045	174.420	TRUE	3.14E-38
FEV1FVC	TP73	cg23052055	rs12046074	T	C	-0.377	0.061	0.037	8.05E-10	-0.006	0.006	0.311	0.010	37.727	TRUE	1.91E-09
FEV1FVC	TP73	cg23052055	rs3765695	A	C	-0.177	0.032	0.149	4.21E-08	-0.005	0.003	0.113	0.008	30.033	TRUE	1.19E-07
FEV1FVC	TP73	cg23052055	rs55657548	T	C	0.516	0.030	0.178	1.96E-65	0.006	0.003	0.044	0.073	291.693	TRUE	8.51E-62
FEV1FVC	TP73	cg23052055	rs78340412	C	T	-0.327	0.047	0.158	4.38E-12	-0.009	0.003	0.004	0.013	47.920	TRUE	4.12E-11
FEV1FVC	TP73	cg24356964	rs10752739	G	A	0.141	0.024	0.482	2.31E-09	-0.002	0.002	0.408	0.010	35.670	TRUE	4.77E-09
FEV1FVC	TP73	cg24356964	rs3765770	A	G	-0.421	0.062	0.035	1.28E-11	-0.005	0.007	0.469	0.012	45.822	TRUE	2.85E-11
FEV1FVC	TP73	cg25352980	rs3765770	A	G	0.586	0.062	0.035	2.66E-21	-0.005	0.007	0.469	0.024	89.730	TRUE	1.15E-20
FEV1FVC	TP73	cg25758394	rs17379833	T	A	-0.162	0.024	0.371	2.18E-11	0.001	0.003	0.610	0.012	44.776	TRUE	4.20E-11
FEV1FVC	TP73	cg26034538	rs2096224	G	A	0.198	0.028	0.218	1.82E-12	0.008	0.003	0.007	0.013	49.647	TRUE	1.65E-11
FEV1FVC	TP73	cg26055950	rs12757620	G	T	0.233	0.024	0.434	1.16E-22	-0.002	0.002	0.420	0.025	95.935	TRUE	5.92E-22
FEV1FVC	TP73	cg26055950	rs3765695	A	C	-0.207	0.032	0.149	1.34E-10	-0.005	0.003	0.113	0.011	41.231	TRUE	4.77E-10
FEV1FVC	TP73	cg26055950	rs3765703	G	T	-0.391	0.024	0.426	1.50E-61	-0.003	0.002	0.227	0.069	273.879	TRUE	9.86E-59
FEV1FVC	TP73	cg26105278	rs2208992	C	T	-0.179	0.024	0.420	1.34E-13	0.002	0.002	0.320	0.015	54.765	TRUE	4.12E-13
FEV1FVC	TP73	cg26105278	rs2244942	C	T	-0.158	0.026	0.282	1.23E-09	-0.002	0.003	0.425	0.010	36.897	TRUE	2.55E-09
FEV1FVC	TP73	cg26105278	rs35837097	A	G	0.129	0.024	0.468	4.28E-08	0.005	0.002	0.046	0.008	30.001	TRUE	1.50E-07
FEV1FVC	TP73	cg26105278	rs3765703	G	T	-0.167	0.024	0.426	3.38E-12	-0.003	0.002	0.227	0.013	48.429	TRUE	1.08E-11
FEV1FVC	TP73	cg26105278	rs3765754	C	T	0.155	0.024	0.339	1.02E-10	-0.006	0.003	0.021	0.011	41.768	TRUE	5.57E-10
FEV1FVC	TP73	cg26208930	rs879622	A	G	0.138	0.024	0.364	1.83E-08	0.000	0.003	0.973	0.008	31.655	TRUE	2.30E-08
FEV1FVC	TP73	cg26810690	rs4610947	A	C	-0.187	0.024	0.373	1.02E-14	0.000	0.002	0.862	0.016	59.821	TRUE	1.84E-14
FEV1FVC	TP73	cg27055894	rs3765703	G	T	-0.260	0.024	0.426	7.02E-28	-0.003	0.002	0.227	0.031	119.728	TRUE	8.49E-27
FEV1FVC	TP73	cg27564766	rs4648552	T	C	0.478	0.031	0.164	2.96E-53	0.009	0.003	0.008	0.060	235.850	TRUE	4.96E-50
FEV1FVC	TPCN2	cg01403660	rs1004989	A	G	-0.390	0.040	0.101	4.62E-22	0.006	0.004	0.167	0.025	93.193	TRUE	3.94E-21
FEV1FVC	TPCN2	cg01403660	rs11228516	T	C	0.358	0.024	0.381	1.43E-51	0.003	0.003	0.218	0.058	228.127	TRUE	2.52E-49
FEV1FVC	TPCN2	cg01403660	rs12270146	G	A	-0.187	0.028	0.229	1.96E-11	0.003	0.003	0.256	0.012	44.982	TRUE	5.68E-11
FEV1FVC	TPCN2	cg01403660	rs148668795	A	G	0.547	0.097	0.014	1.47E-08	-0.031	0.009	3.43E-04	0.009	32.075	TRUE	1.24E-07
FEV1FVC	TPCN2	cg01403660	rs2924533	C	A	0.471	0.029	0.178	7.78E-58	-0.002	0.003	0.534	0.065	256.850	TRUE	1.27E-55
FEV1FVC	TPCN2	cg01403660	rs3019776	A	G	0.336	0.053	0.120	1.96E-10	0.008	0.004	0.058	0.011	40.484	TRUE	8.31E-10
FEV1FVC	TPCN2	cg01403660	rs34105531	G	A	-0.450	0.036	0.116	1.52E-35	0.004	0.004	0.294	0.040	154.757	TRUE	3.28E-34
FEV1FVC	TPCN2	cg01403660	rs61746574	A	G	-0.456	0.036	0.133	1.11E-37	-0.005	0.004	0.188	0.043	164.520	TRUE	4.12E-36
FEV1FVC	TPCN2	cg01403660	rs67943767	T	C	-0.309	0.054	0.052	9.54E-09	0.004	0.006	0.453	0.009	32.916	TRUE	1.80E-08
FEV1FVC	TPCN2	cg01403660	rs7102758	G	A	-0.180	0.024	0.481	2.03E-14	-0.002	0.002	0.387	0.016	58.473	TRUE	6.05E-14
FEV1FVC	TPCN2	cg01403660	rs72940444	T	G	0.414	0.052	0.058	1.07E-15	0.001	0.005	0.921	0.017	64.257	TRUE	1.94E-15
FEV1FVC	TPCN2	cg01403660	rs75840048	T	C	0.534	0.068	0.030	3.61E-15	0.007	0.006	0.252	0.016	61.867	TRUE	1.40E-14
FEV1FVC	TPCN2	cg01403660	rs7932947	C	A	0.820	0.020	0.498	<1E-200	0.006	0.003	0.026	0.308	1644.445	TRUE	<1E-200

FEV1FVC	TPCN2	cg01993067	rs1004989	A	G	-0.243	0.041	0.101	2.16E-09	0.006	0.004	0.167	0.010	35.808	TRUE	6.17E-09
FEV1FVC	TPCN2	cg01993067	rs117940236	G	A	-0.234	0.037	0.117	1.60E-10	0.005	0.004	0.181	0.011	40.884	TRUE	4.83E-10
FEV1FVC	TPCN2	cg01993067	rs56005939	A	G	0.151	0.024	0.369	5.70E-10	0.004	0.003	0.095	0.010	38.400	TRUE	2.02E-09
FEV1FVC	TPCN2	cg01993067	rs7116054	T	C	-0.295	0.029	0.200	3.46E-24	-0.005	0.003	0.082	0.027	102.881	TRUE	5.09E-23
FEV1FVC	TPCN2	cg01993067	rs72932523	A	G	0.518	0.042	0.085	4.89E-35	-0.001	0.004	0.867	0.040	152.434	TRUE	3.56E-34
FEV1FVC	TPCN2	cg02584610	rs1004989	A	G	-0.233	0.040	0.101	5.97E-09	0.006	0.004	0.167	0.009	33.826	TRUE	1.64E-08
FEV1FVC	TPCN2	cg02584610	rs1108714	A	G	0.140	0.025	0.322	1.53E-08	0.007	0.003	0.005	0.009	31.996	TRUE	8.65E-08
FEV1FVC	TPCN2	cg02584610	rs12417953	A	G	0.138	0.023	0.461	2.83E-09	0.001	0.002	0.549	0.009	35.276	TRUE	5.03E-09
FEV1FVC	TPCN2	cg02584610	rs58950526	G	T	0.349	0.023	0.473	3.84E-52	0.004	0.002	0.098	0.059	230.749	TRUE	1.34E-49
FEV1FVC	TPCN2	cg06837675	rs7925986	T	C	-0.144	0.026	0.261	3.54E-08	-0.003	0.003	0.234	0.008	30.371	TRUE	8.11E-08
FEV1FVC	TPCN2	cg12152352	rs1017641	C	T	0.154	0.024	0.374	1.21E-10	0.007	0.003	0.006	0.011	41.432	TRUE	8.77E-10
FEV1FVC	TPCN2	cg12152352	rs11228589	A	G	-0.236	0.032	0.173	1.41E-13	0.001	0.003	0.801	0.015	54.657	TRUE	2.54E-13
FEV1FVC	TPCN2	cg12152352	rs117940236	G	A	-0.289	0.037	0.117	2.63E-15	0.005	0.004	0.181	0.017	62.493	TRUE	1.18E-14
FEV1FVC	TPCN2	cg12152352	rs12270146	G	A	-0.228	0.028	0.229	2.69E-16	0.003	0.003	0.256	0.018	66.980	TRUE	1.14E-15
FEV1FVC	TPCN2	cg12152352	rs3019776	A	G	0.417	0.053	0.120	1.98E-15	0.008	0.004	0.058	0.017	63.051	TRUE	1.38E-14
FEV1FVC	TPCN2	cg12152352	rs56005939	A	G	0.243	0.024	0.369	1.13E-23	0.004	0.003	0.095	0.026	100.538	TRUE	1.45E-22
FEV1FVC	TPCN2	cg12152352	rs7116054	T	C	-0.302	0.029	0.200	2.37E-25	-0.005	0.003	0.082	0.028	108.188	TRUE	3.93E-24
FEV1FVC	TPCN2	cg12152352	rs72932540	G	A	0.361	0.042	0.086	1.30E-17	-0.001	0.004	0.892	0.019	72.950	TRUE	2.70E-17
FEV1FVC	TPCN2	cg12152352	rs79481933	A	G	-0.453	0.065	0.078	2.23E-12	-0.008	0.005	0.112	0.013	49.242	TRUE	9.29E-12
FEV1FVC	TPCN2	cg16000022	rs1005858	C	T	-0.462	0.023	0.483	9.79E-90	0.004	0.002	0.105	0.098	403.230	TRUE	1.51E-84
FEV1FVC	TPCN2	cg16000022	rs11228508	G	C	0.263	0.042	0.094	4.71E-10	0.004	0.004	0.347	0.010	38.775	TRUE	1.09E-09
FEV1FVC	TPCN2	cg16000022	rs117940236	G	A	0.215	0.037	0.117	4.25E-09	0.005	0.004	0.181	0.009	34.489	TRUE	1.14E-08
FEV1FVC	TPCN2	cg16000022	rs12417953	A	G	-0.279	0.023	0.461	5.79E-33	0.001	0.002	0.549	0.037	142.954	TRUE	5.66E-32
FEV1FVC	TPCN2	cg16000022	rs3019776	A	G	-0.399	0.053	0.120	3.05E-14	0.008	0.004	0.058	0.015	57.668	TRUE	1.89E-13
FEV1FVC	TPCN2	cg16000022	rs668576	G	A	0.179	0.026	0.297	2.69E-12	0.008	0.003	0.005	0.013	48.876	TRUE	2.61E-11
FEV1FVC	TPCN2	cg16000022	rs67943767	T	C	0.294	0.054	0.052	4.98E-08	0.004	0.006	0.453	0.008	29.708	TRUE	9.00E-08
FEV1FVC	TPCN2	cg16000022	rs930788	T	C	0.168	0.023	0.437	5.83E-13	-0.007	0.002	0.005	0.014	51.874	TRUE	5.80E-12
FEV1FVC	TPCN2	cg16709353	rs1004989	A	G	0.279	0.041	0.101	6.12E-12	0.006	0.004	0.167	0.013	47.266	TRUE	2.17E-11
FEV1FVC	TPCN2	cg16709353	rs11601194	G	A	0.487	0.069	0.031	1.83E-12	-0.003	0.007	0.711	0.013	49.630	TRUE	3.41E-12
FEV1FVC	TPCN2	cg16709353	rs117940236	G	A	0.319	0.037	0.117	2.24E-18	0.005	0.004	0.181	0.020	76.426	TRUE	1.30E-17
FEV1FVC	TPCN2	cg16709353	rs12270146	G	A	0.236	0.028	0.229	2.42E-17	0.003	0.003	0.256	0.019	71.729	TRUE	1.11E-16
FEV1FVC	TPCN2	cg16709353	rs12577751	T	C	-0.477	0.066	0.030	4.24E-13	0.010	0.006	0.135	0.014	52.502	TRUE	1.78E-12
FEV1FVC	TPCN2	cg16709353	rs3019776	A	G	-0.383	0.053	0.120	3.19E-13	0.008	0.004	0.058	0.014	53.059	TRUE	1.79E-12
FEV1FVC	TPCN2	cg16709353	rs4930652	G	A	-0.739	0.021	0.482	7.29E-279	0.004	0.002	0.091	0.256	1272.578	TRUE	4.28E-247
FEV1FVC	TPCN2	cg16709353	rs56005939	A	G	-0.189	0.024	0.369	7.95E-15	0.004	0.003	0.095	0.016	60.316	TRUE	4.42E-14
FEV1FVC	TPCN2	cg16709353	rs67943767	T	C	0.379	0.054	0.052	1.78E-12	0.004	0.006	0.453	0.013	49.683	TRUE	4.27E-12
FEV1FVC	TPCN2	cg16709353	rs7116054	T	C	0.378	0.029	0.200	7.49E-39	-0.005	0.003	0.082	0.044	169.883	TRUE	5.48E-37
FEV1FVC	TPCN2	cg16709353	rs72932540	G	A	-0.442	0.042	0.086	9.87E-26	-0.001	0.004	0.892	0.029	109.926	TRUE	3.39E-25
FEV1FVC	TPCN2	cg16709353	rs7940105	A	G	0.170	0.026	0.275	1.21E-10	0.008	0.003	0.006	0.011	41.429	TRUE	8.73E-10
FEV1FVC	TPCN2	cg16709353	rs79481933	A	G	0.464	0.065	0.078	6.77E-13	-0.008	0.005	0.112	0.014	51.583	TRUE	2.95E-12
FEV1FVC	TPCN2	cg17467664	rs3019751	C	T	0.166	0.023	0.494	5.53E-13	0.004	0.002	0.079	0.014	51.978	TRUE	2.72E-12
FEV1FVC	TPCN2	cg17467664	rs3019757	G	A	-0.146	0.025	0.327	3.04E-09	-0.005	0.003	0.036	0.009	35.136	TRUE	1.26E-08

FEV1FVC	TPCN2	cg18503234	rs1249368	A	T	0.216	0.026	0.296	3.90E-17	0.007	0.003	0.006	0.019	70.788	TRUE	6.35E-16
FEV1FVC	TPCN2	cg20256574	rs11828017	G	A	-0.156	0.025	0.337	1.85E-10	0.005	0.003	0.041	0.011	40.598	TRUE	8.52E-10
FEV1FVC	TPCN2	cg22484980	rs67321931	A	C	0.175	0.026	0.274	1.67E-11	0.005	0.003	0.063	0.012	45.296	TRUE	7.63E-11
FEV1FVC	TPCN2	cg23247191	rs657157	A	G	-0.141	0.026	0.298	4.08E-08	-0.006	0.003	0.038	0.008	30.093	TRUE	1.52E-07
FEV1FVC	TPCN2	cg26433582	rs1249368	A	T	0.259	0.026	0.296	4.30E-24	0.007	0.003	0.006	0.027	102.449	TRUE	1.62E-22
FEV1FVC	TPCN2	cg26433582	rs55814684	C	T	0.165	0.026	0.295	1.31E-10	-0.002	0.003	0.446	0.011	41.271	TRUE	2.82E-10
FEV1FVC	TRAF1	cg04517263	rs1837	A	G	0.148	0.027	0.262	4.07E-08	0.004	0.003	0.103	0.008	30.100	TRUE	1.18E-07
FEV1FVC	TRAF1	cg04517263	rs1930785	T	G	0.154	0.024	0.420	8.29E-11	0.003	0.002	0.184	0.011	42.165	TRUE	2.57E-10
FEV1FVC	TRAF1	cg14064762	rs10985023	G	C	0.172	0.027	0.256	1.75E-10	0.005	0.003	0.063	0.011	40.701	TRUE	7.40E-10
FEV1FVC	TRAF1	cg14064762	rs1930785	T	G	0.240	0.024	0.420	2.49E-24	0.003	0.002	0.184	0.027	103.532	TRUE	2.45E-23
FEV1FVC	TRAF1	cg14392772	rs10985070	C	A	-0.217	0.023	0.431	1.53E-20	0.004	0.002	0.105	0.023	86.271	TRUE	1.39E-19
FEV1FVC	TRAF1	cg14518276	rs10739575	G	A	0.179	0.032	0.167	2.12E-08	0.003	0.003	0.304	0.008	31.361	TRUE	4.57E-08
FEV1FVC	TRAF1	cg14518276	rs6478486	T	C	0.348	0.024	0.344	3.07E-46	0.006	0.003	0.014	0.052	203.705	TRUE	1.38E-43
FEV1FVC	TRAF1	cg14518276	rs74971050	T	C	-0.195	0.032	0.158	8.73E-10	0.000	0.003	0.919	0.010	37.569	TRUE	1.19E-09
FEV1FVC	TRAF1	cg14518276	rs7872790	T	A	0.182	0.030	0.203	8.88E-10	0.003	0.003	0.267	0.010	37.537	TRUE	2.20E-09
FEV1FVC	TRAF1	cg15551881	rs2300930	A	C	0.331	0.041	0.096	1.17E-15	-0.004	0.004	0.409	0.017	64.093	TRUE	3.62E-15
FEV1FVC	TRAF1	cg15551881	rs2300936	G	A	0.247	0.043	0.089	8.23E-09	0.002	0.004	0.717	0.009	33.203	TRUE	1.26E-08
FEV1FVC	TRAF1	cg15551881	rs7021049	G	T	0.282	0.023	0.434	1.91E-33	0.004	0.002	0.077	0.038	145.151	TRUE	7.73E-32
FEV1FVC	TRAF1	cg15551881	rs914842	A	G	0.186	0.028	0.224	4.97E-11	0.004	0.003	0.173	0.012	43.164	TRUE	1.59E-10
FEV1FVC	TRAF1	cg21152671	rs1008381	T	C	0.494	0.024	0.341	4.77E-93	0.006	0.003	0.016	0.102	418.439	TRUE	6.09E-87
FEV1FVC	TRAF1	cg21152671	rs17220750	A	G	0.243	0.040	0.090	1.35E-09	0.002	0.004	0.541	0.010	36.724	TRUE	2.46E-09
FEV1FVC	TRAF1	cg21152671	rs1975468	C	A	0.189	0.032	0.165	1.83E-09	0.001	0.003	0.681	0.010	36.127	TRUE	2.96E-09
FEV1FVC	TRAF1	cg21152671	rs2109890	G	T	0.391	0.052	0.054	4.02E-14	0.005	0.005	0.325	0.015	57.129	TRUE	1.27E-13
FEV1FVC	TRAF1	cg21152671	rs4837839	T	C	-0.177	0.023	0.456	3.56E-14	0.001	0.002	0.579	0.015	57.366	TRUE	8.20E-14
FEV1FVC	TRAF1	cg21152671	rs72760268	T	C	-0.589	0.086	0.017	9.01E-12	-0.006	0.009	0.541	0.012	46.507	TRUE	1.88E-11
FEV1FVC	TRAF1	cg21152671	rs75780782	T	C	0.387	0.050	0.060	1.58E-14	0.002	0.005	0.749	0.016	58.964	TRUE	3.17E-14
FEV1FVC	TRAF1	cg21241889	rs10739575	G	A	0.219	0.032	0.167	7.73E-12	0.003	0.003	0.304	0.012	46.808	TRUE	2.14E-11
FEV1FVC	TRAF1	cg21241889	rs150211503	T	C	-0.367	0.062	0.031	3.77E-09	0.004	0.007	0.539	0.009	34.718	TRUE	6.78E-09
FEV1FVC	TRAF1	cg21241889	rs2109890	G	T	0.315	0.052	0.054	1.13E-09	0.005	0.005	0.325	0.010	37.066	TRUE	2.59E-09
FEV1FVC	TRAF1	cg21241889	rs3747846	G	A	-0.273	0.045	0.078	1.02E-09	-0.003	0.005	0.580	0.010	37.274	TRUE	1.81E-09
FEV1FVC	TRAF1	cg21241889	rs446038	A	G	0.175	0.030	0.172	6.37E-09	0.003	0.003	0.265	0.009	33.701	TRUE	1.48E-08
FEV1FVC	TRAF1	cg21241889	rs62578405	T	C	-0.711	0.046	0.076	5.60E-54	-0.008	0.005	0.105	0.061	239.166	TRUE	2.33E-51
FEV1FVC	TRAF1	cg21241889	rs6478484	T	C	0.477	0.024	0.345	4.33E-87	0.006	0.003	0.013	0.096	391.083	TRUE	1.94E-81
FEV1FVC	TRAF1	cg21241889	rs7047206	T	G	-0.138	0.025	0.316	4.84E-08	0.000	0.003	0.938	0.008	29.762	TRUE	6.12E-08
FEV1FVC	TRAP1	cg02264195	rs11541712	A	G	-0.575	0.047	0.068	4.88E-34	0.009	0.005	0.074	0.038	147.864	TRUE	2.14E-32
FEV1FVC	TRAP1	cg03379706	rs11646287	T	C	-0.141	0.025	0.325	1.99E-08	0.008	0.003	0.001	0.008	31.486	TRUE	1.39E-07
FEV1FVC	TRAP1	cg03379706	rs2074800	A	G	-0.507	0.059	0.044	4.65E-18	0.000	0.006	0.963	0.020	74.982	TRUE	9.13E-18
FEV1FVC	TRAP1	cg04439028	rs710891	T	C	-0.169	0.025	0.325	1.69E-11	0.006	0.003	0.015	0.012	45.278	TRUE	1.15E-10
FEV1FVC	TRAP1	cg06723414	rs11076785	T	G	-0.186	0.025	0.338	6.81E-14	0.006	0.003	0.012	0.015	56.093	TRUE	6.46E-13
FEV1FVC	TRAP1	cg06723414	rs3794702	A	T	-0.508	0.030	0.181	1.72E-64	0.003	0.003	0.315	0.072	287.370	TRUE	1.25E-61
FEV1FVC	TRAP1	cg06723414	rs4786432	C	G	0.149	0.024	0.365	1.10E-09	-0.003	0.003	0.176	0.010	37.123	TRUE	3.14E-09
FEV1FVC	TRAP1	cg06723414	rs7200737	A	G	0.189	0.027	0.262	1.81E-12	0.004	0.003	0.140	0.013	49.654	TRUE	7.09E-12

FEV1FVC	TRAP1	cg08257088	rs130023	G	A	0.363	0.062	0.028	3.57E-09	-0.005	0.006	0.412	0.009	34.826	TRUE	7.23E-09
FEV1FVC	TRAP1	cg08257088	rs75359759	A	G	0.417	0.046	0.067	1.65E-19	0.008	0.005	0.105	0.022	81.578	TRUE	1.35E-18
FEV1FVC	TRAP1	cg08842287	rs11646280	T	C	-0.457	0.027	0.247	3.38E-66	0.007	0.003	0.008	0.074	295.200	TRUE	4.84E-62
FEV1FVC	TRAP1	cg08842287	rs11648996	A	G	0.314	0.050	0.109	4.28E-10	0.002	0.004	0.583	0.010	38.961	TRUE	7.76E-10
FEV1FVC	TRAP1	cg08842287	rs12597773	A	G	-0.344	0.061	0.072	1.52E-08	0.001	0.004	0.760	0.009	32.016	TRUE	2.20E-08
FEV1FVC	TRAP1	cg08842287	rs143199884	T	C	0.460	0.081	0.034	1.20E-08	0.004	0.007	0.606	0.009	32.463	TRUE	1.99E-08
FEV1FVC	TRAP1	cg08842287	rs2531996	A	G	0.221	0.028	0.222	6.25E-15	-0.001	0.003	0.822	0.016	60.787	TRUE	1.20E-14
FEV1FVC	TRAP1	cg08842287	rs2907272	C	T	-0.176	0.031	0.176	1.79E-08	-0.001	0.003	0.749	0.008	31.697	TRUE	2.63E-08
FEV1FVC	TRAP1	cg08842287	rs56012469	G	A	0.631	0.081	0.040	6.97E-15	0.002	0.006	0.791	0.016	60.574	TRUE	1.37E-14
FEV1FVC	TRAP1	cg08842287	rs59079335	A	T	-0.389	0.058	0.044	2.38E-11	-0.001	0.006	0.867	0.012	44.609	TRUE	3.65E-11
FEV1FVC	TRAP1	cg08842287	rs62031804	G	A	-0.187	0.024	0.450	2.03E-15	-0.001	0.002	0.674	0.017	63.002	TRUE	4.59E-15
FEV1FVC	TRAP1	cg08842287	rs7199513	A	G	-0.296	0.032	0.419	2.97E-20	0.006	0.002	0.015	0.022	84.966	TRUE	5.38E-19
FEV1FVC	TRAP1	cg08842287	rs77534894	A	G	-0.323	0.050	0.065	1.37E-10	0.001	0.005	0.867	0.011	41.177	TRUE	2.04E-10
FEV1FVC	TRAP1	cg08842287	rs79213162	G	C	0.475	0.049	0.062	3.06E-22	0.000	0.005	0.977	0.025	94.010	TRUE	7.41E-22
FEV1FVC	TRAP1	cg08842287	rs8050794	T	C	0.746	0.022	0.312	1.96E-251	-0.003	0.003	0.229	0.237	1146.434	TRUE	2.20E-225
FEV1FVC	TRAP1	cg10476962	rs11861770	A	G	-0.211	0.029	0.210	2.45E-13	0.010	0.003	5.92E-04	0.014	53.575	TRUE	3.81E-12
FEV1FVC	TRAP1	cg10476962	rs12444804	A	C	0.353	0.024	0.353	3.44E-47	-0.002	0.003	0.412	0.053	208.060	TRUE	1.91E-45
FEV1FVC	TRAP1	cg10476962	rs2240075	G	A	0.191	0.027	0.276	7.47E-13	0.001	0.003	0.771	0.014	51.388	TRUE	1.34E-12
FEV1FVC	TRAP1	cg10476962	rs4786428	T	C	-0.424	0.048	0.066	1.77E-18	0.009	0.005	0.093	0.020	76.895	TRUE	1.39E-17
FEV1FVC	TRAP1	cg24062157	rs11863204	T	C	0.290	0.043	0.090	8.95E-12	-0.004	0.004	0.308	0.012	46.520	TRUE	2.45E-11
FEV1FVC	TRAP1	cg24062157	rs12929402	T	G	0.644	0.024	0.340	3.96E-160	-0.002	0.003	0.499	0.164	726.637	TRUE	1.60E-148
FEV1FVC	TRAP1	cg24062157	rs1296720	C	A	0.244	0.030	0.179	1.75E-16	0.002	0.003	0.563	0.018	67.830	TRUE	4.74E-16
FEV1FVC	TRAP1	cg24062157	rs13740	G	A	0.285	0.027	0.276	1.21E-26	0.001	0.003	0.798	0.030	114.086	TRUE	4.98E-26
FEV1FVC	TRAP1	cg24062157	rs144550876	C	A	-0.153	0.028	0.227	4.84E-08	-0.002	0.003	0.499	0.008	29.763	TRUE	8.43E-08
FEV1FVC	TRAP1	cg24062157	rs2008344	A	G	-0.351	0.039	0.105	1.02E-19	0.000	0.004	0.996	0.022	82.529	TRUE	2.09E-19
FEV1FVC	TRAP1	cg24062157	rs37802	A	G	0.213	0.030	0.203	1.25E-12	-0.001	0.003	0.875	0.013	50.372	TRUE	2.04E-12
FEV1FVC	TRAP1	cg24062157	rs7185802	T	C	-0.287	0.028	0.227	8.38E-25	0.006	0.003	0.024	0.028	105.689	TRUE	2.09E-23
FEV1FVC	TRAP1	cg24062157	rs72760812	T	C	0.585	0.092	0.029	2.50E-10	-0.004	0.007	0.553	0.011	40.005	TRUE	4.77E-10
FEV1FVC	TRAPPC2L	cg07364608	rs143200032	T	C	-0.622	0.092	0.020	1.51E-11	-0.002	0.007	0.825	0.012	45.493	TRUE	2.42E-11
FEV1FVC	TRAPPC2L	cg13074209	rs34150867	G	C	-0.142	0.026	0.303	2.96E-08	0.005	0.003	0.050	0.008	30.715	TRUE	1.06E-07
FEV1FVC	TRAPPC2L	cg13074209	rs9927176	T	A	-0.862	0.081	0.028	2.53E-26	-0.001	0.007	0.898	0.030	112.623	TRUE	8.89E-26
FEV1FVC	TRIM14	cg01618660	rs41313315	T	C	-0.208	0.036	0.240	7.35E-09	-0.003	0.003	0.268	0.009	33.422	TRUE	1.71E-08
FEV1FVC	TRIM14	cg01765174	rs10985211	T	C	0.199	0.034	0.146	3.10E-09	-0.003	0.003	0.346	0.009	35.104	TRUE	6.72E-09
FEV1FVC	TRIM14	cg01765174	rs4742715	T	G	0.264	0.024	0.426	2.54E-29	-0.006	0.002	0.021	0.033	126.313	TRUE	1.16E-27
FEV1FVC	TRIM14	cg01765174	rs7021160	C	A	-0.190	0.026	0.274	6.41E-13	0.013	0.003	1.14E-06	0.014	51.691	TRUE	2.48E-11
FEV1FVC	TRIM14	cg01765174	rs72753522	T	C	0.232	0.038	0.101	9.39E-10	0.005	0.004	0.231	0.010	37.427	TRUE	2.44E-09
FEV1FVC	TRIM14	cg01765174	rs76378338	G	T	-0.262	0.047	0.129	2.52E-08	-0.001	0.004	0.821	0.008	31.026	TRUE	3.48E-08
FEV1FVC	TRIM14	cg01765174	rs774121	T	C	0.196	0.027	0.236	3.03E-13	0.001	0.003	0.835	0.014	53.162	TRUE	5.24E-13
FEV1FVC	TRIM14	cg11317199	rs10985257	C	A	-0.157	0.027	0.247	7.47E-09	-0.002	0.003	0.580	0.009	33.389	TRUE	1.26E-08
FEV1FVC	TRIM14	cg11317199	rs73492791	C	T	0.146	0.027	0.263	3.34E-08	-0.004	0.003	0.163	0.008	30.482	TRUE	8.66E-08
FEV1FVC	TRIM14	cg21157904	rs4412474	A	G	0.158	0.023	0.483	1.19E-11	-0.004	0.002	0.066	0.012	45.959	TRUE	5.46E-11
FEV1FVC	TRIM14	cg21210642	rs10818646	C	T	0.186	0.026	0.292	4.50E-13	0.003	0.003	0.271	0.014	52.385	TRUE	1.40E-12

FEV1FVC	TRIM14	cg21210642	rs1156850	G	A	0.143	0.026	0.298	3.64E-08	0.014	0.003	3.84E-08	0.008	30.314	TRUE	7.72E-07
FEV1FVC	TRIM14	cg21210642	rs116374562	T	G	0.269	0.049	0.062	3.28E-08	0.009	0.005	0.090	0.008	30.515	TRUE	9.94E-08
FEV1FVC	TRIM14	cg21210642	rs12238311	G	A	-0.700	0.051	0.141	2.13E-43	-0.002	0.003	0.512	0.049	190.697	TRUE	6.31E-42
FEV1FVC	TRIM14	cg21210642	rs142145656	A	G	0.699	0.111	0.029	2.86E-10	-0.006	0.007	0.414	0.011	39.744	TRUE	6.18E-10
FEV1FVC	TRIM14	cg21210642	rs16914862	A	G	0.418	0.076	0.045	3.13E-08	0.000	0.005	0.968	0.008	30.610	TRUE	3.90E-08
FEV1FVC	TRIM14	cg21210642	rs2181583	A	G	0.456	0.049	0.063	6.50E-21	0.005	0.005	0.313	0.023	87.967	TRUE	3.56E-20
FEV1FVC	TRIM14	cg21210642	rs41274268	T	C	0.871	0.091	0.030	6.15E-22	0.003	0.006	0.690	0.024	92.628	TRUE	2.07E-21
FEV1FVC	TRIM14	cg21210642	rs41313315	T	C	1.061	0.029	0.240	1.71E-302	-0.003	0.003	0.268	0.272	1381.253	TRUE	7.53E-267
FEV1FVC	TRIM14	cg21210642	rs62575602	G	T	0.493	0.054	0.047	4.86E-20	-0.009	0.006	0.097	0.022	83.992	TRUE	4.30E-19
FEV1FVC	TRIM14	cg21210642	rs7022262	T	C	0.443	0.033	0.342	1.56E-41	0.001	0.003	0.578	0.047	182.154	TRUE	3.40E-40
FEV1FVC	TRIM14	cg21210642	rs71501830	C	T	0.537	0.051	0.055	1.60E-25	-0.014	0.005	0.009	0.029	108.965	TRUE	6.20E-24
FEV1FVC	TRIM14	cg21210642	rs75153064	A	C	0.537	0.089	0.017	1.41E-09	0.009	0.009	0.299	0.010	36.639	TRUE	3.33E-09
FEV1FVC	TRIM14	cg21210642	rs76790287	C	T	-1.044	0.165	0.011	2.58E-10	0.016	0.012	0.193	0.011	39.948	TRUE	7.53E-10
FEV1FVC	TRIM14	cg21210642	rs7847475	A	G	-0.337	0.033	0.156	3.87E-25	-0.002	0.003	0.616	0.028	107.220	TRUE	1.81E-24
FEV1FVC	TRIM14	cg21210642	rs7848016	C	A	0.327	0.057	0.086	7.46E-09	-0.003	0.004	0.445	0.009	33.394	TRUE	1.43E-08
FEV1FVC	TRIM14	cg21210642	rs7865743	A	G	-0.303	0.055	0.095	4.06E-08	0.002	0.004	0.628	0.008	30.106	TRUE	6.41E-08
FEV1FVC	TRIM14	cg21210642	rs7868004	C	T	0.245	0.038	0.107	6.94E-11	-0.005	0.004	0.222	0.011	42.512	TRUE	2.04E-10
FEV1FVC	TRIM14	cg21210642	rs7870926	G	A	0.199	0.023	0.499	1.58E-17	0.005	0.002	0.053	0.019	72.565	TRUE	1.37E-16
FEV1FVC	TRIM14	cg21210642	rs958346	C	T	-0.136	0.025	0.352	3.23E-08	-0.004	0.003	0.157	0.008	30.546	TRUE	8.54E-08
FEV1FVC	TRIM27	cg00259404	rs11752815	G	A	-0.250	0.043	0.080	4.96E-09	-0.014	0.004	0.001	0.009	34.188	TRUE	3.88E-08
FEV1FVC	TRIM27	cg00259404	rs209140	A	G	-0.277	0.026	0.247	8.39E-26	0.001	0.003	0.712	0.029	110.249	TRUE	3.63E-25
FEV1FVC	TRIM27	cg01928896	rs3135321	G	A	0.162	0.023	0.491	3.99E-12	-0.010	0.002	5.23E-05	0.013	48.102	TRUE	7.97E-11
FEV1FVC	TRIM27	cg02465979	rs116042790	T	C	-1.572	0.112	0.011	6.22E-45	0.007	0.012	0.523	0.051	197.721	TRUE	2.16E-43
FEV1FVC	TRIM27	cg02465979	rs140396177	G	A	-0.805	0.090	0.014	4.86E-19	0.005	0.009	0.600	0.021	79.443	TRUE	1.51E-18
FEV1FVC	TRIM27	cg02639080	rs113000237	A	G	-0.553	0.041	0.083	2.25E-41	-0.014	0.004	7.09E-04	0.047	181.428	TRUE	1.71E-38
FEV1FVC	TRIM27	cg02639080	rs114357009	A	G	-0.556	0.052	0.048	6.73E-27	-0.003	0.006	0.563	0.030	115.247	TRUE	3.92E-26
FEV1FVC	TRIM27	cg02639080	rs115318295	A	T	-0.686	0.025	0.254	2.53E-164	0.001	0.003	0.859	0.168	745.915	TRUE	9.85E-153
FEV1FVC	TRIM27	cg02639080	rs1233387	T	C	-0.225	0.027	0.230	3.06E-16	0.007	0.003	0.010	0.018	66.729	TRUE	3.95E-15
FEV1FVC	TRIM27	cg02639080	rs16894128	G	A	0.223	0.035	0.131	1.78E-10	-0.007	0.004	0.055	0.011	40.673	TRUE	7.51E-10
FEV1FVC	TRIM27	cg02639080	rs2859379	T	C	-0.444	0.068	0.027	6.26E-11	-0.016	0.007	0.015	0.011	42.715	TRUE	3.93E-10
FEV1FVC	TRIM27	cg02639080	rs3129791	A	G	0.401	0.037	0.115	9.13E-28	-0.032	0.004	3.59E-17	0.031	119.208	TRUE	1.61E-23
FEV1FVC	TRIM27	cg02639080	rs35604709	A	G	-0.528	0.048	0.062	1.22E-28	0.014	0.005	0.004	0.032	123.205	TRUE	8.82E-27
FEV1FVC	TRIM27	cg02639080	rs4084097	C	T	-0.261	0.046	0.068	1.98E-08	0.022	0.005	1.21E-05	0.008	31.493	TRUE	2.52E-07
FEV1FVC	TRIM27	cg02639080	rs41316606	T	A	-0.450	0.070	0.031	1.45E-10	0.006	0.007	0.391	0.011	41.078	TRUE	3.28E-10
FEV1FVC	TRIM27	cg02639080	rs7750106	A	C	-0.362	0.055	0.046	6.99E-11	0.023	0.006	5.54E-05	0.011	42.498	TRUE	1.13E-09
FEV1FVC	TRIM27	cg03246690	rs115493717	A	G	-0.535	0.096	0.016	2.30E-08	0.013	0.010	0.193	0.008	31.205	TRUE	5.72E-08
FEV1FVC	TRIM27	cg03270340	rs1233387	T	C	0.152	0.028	0.230	3.28E-08	0.007	0.003	0.010	0.008	30.519	TRUE	1.59E-07
FEV1FVC	TRIM27	cg03270340	rs2531805	C	T	0.228	0.023	0.486	1.78E-22	0.012	0.002	3.24E-07	0.025	95.085	TRUE	4.41E-20
FEV1FVC	TRIM27	cg03270340	rs3094574	A	G	0.193	0.024	0.437	4.42E-16	0.012	0.002	5.48E-07	0.018	66.003	TRUE	3.58E-14
FEV1FVC	TRIM27	cg03270340	rs3129791	A	G	-1.059	0.035	0.115	2.87E-204	-0.032	0.004	3.59E-17	0.201	929.556	TRUE	3.16E-177
FEV1FVC	TRIM27	cg03270340	rs9257572	T	G	-0.279	0.024	0.426	1.91E-32	-0.010	0.002	8.06E-05	0.037	140.579	TRUE	7.56E-30
FEV1FVC	TRIM27	cg04835383	rs115318295	A	T	-0.200	0.026	0.254	1.19E-14	0.001	0.003	0.859	0.016	59.519	TRUE	2.17E-14

FEV1FVC	TRIM27	cg05216056	rs115451991	A	C	-0.829	0.110	0.013	4.66E-14	0.008	0.012	0.508	0.015	56.838	TRUE	1.16E-13
FEV1FVC	TRIM27	cg05216056	rs115537782	A	G	-0.841	0.101	0.013	6.18E-17	-0.002	0.009	0.797	0.019	69.880	TRUE	1.35E-16
FEV1FVC	TRIM27	cg05216056	rs172164	G	A	-0.401	0.055	0.042	2.90E-13	0.008	0.005	0.141	0.014	53.244	TRUE	1.21E-12
FEV1FVC	TRIM27	cg05216056	rs202145819	G	A	-0.523	0.094	0.018	2.41E-08	0.028	0.011	0.010	0.008	31.115	TRUE	1.17E-07
FEV1FVC	TRIM27	cg05216056	rs209140	A	G	-0.927	0.023	0.247	<1E-200	0.001	0.003	0.712	0.310	1663.720	TRUE	<1E-200
FEV1FVC	TRIM27	cg05216056	rs213231	T	G	-0.530	0.052	0.051	5.96E-24	0.020	0.005	1.31E-04	0.027	101.806	TRUE	6.07E-22
FEV1FVC	TRIM27	cg05216056	rs2253518	G	A	0.253	0.032	0.157	4.41E-15	-0.007	0.003	0.028	0.016	61.476	TRUE	3.72E-14
FEV1FVC	TRIM27	cg05216056	rs2859379	T	C	-0.552	0.068	0.027	4.43E-16	-0.016	0.007	0.015	0.018	66.000	TRUE	5.03E-15
FEV1FVC	TRIM27	cg05216056	rs35604709	A	G	-0.588	0.047	0.062	3.17E-35	0.014	0.005	0.004	0.040	153.296	TRUE	5.39E-33
FEV1FVC	TRIM27	cg05216056	rs36050447	T	C	-0.615	0.076	0.025	8.66E-16	0.007	0.007	0.343	0.017	64.678	TRUE	3.03E-15
FEV1FVC	TRIM27	cg05216056	rs388017	T	C	0.375	0.063	0.035	2.52E-09	0.017	0.006	0.007	0.010	35.503	TRUE	1.49E-08
FEV1FVC	TRIM27	cg05216056	rs4947263	T	C	0.490	0.036	0.118	1.15E-41	-0.031	0.004	8.45E-17	0.047	182.771	TRUE	3.83E-36
FEV1FVC	TRIM27	cg05216056	rs55740552	G	T	-0.613	0.048	0.060	1.46E-37	-0.005	0.005	0.304	0.042	163.981	TRUE	3.72E-36
FEV1FVC	TRIM27	cg05216056	rs6933976	A	G	-0.354	0.028	0.223	6.02E-37	0.005	0.003	0.067	0.042	161.169	TRUE	3.63E-35
FEV1FVC	TRIM27	cg05216056	rs73396583	C	T	-0.651	0.038	0.097	8.91E-67	-0.013	0.004	6.03E-04	0.075	297.856	TRUE	4.36E-62
FEV1FVC	TRIM27	cg05216056	rs75524239	C	T	-0.277	0.038	0.104	5.68E-13	0.019	0.004	6.26E-06	0.014	51.926	TRUE	1.83E-11
FEV1FVC	TRIM27	cg05314350	rs115318295	A	T	-0.343	0.026	0.254	5.56E-40	0.001	0.003	0.859	0.045	175.052	TRUE	6.46E-39
FEV1FVC	TRIM27	cg05314350	rs1535039	C	T	0.212	0.036	0.118	5.32E-09	-0.034	0.004	1.07E-19	0.009	34.049	TRUE	8.13E-07
FEV1FVC	TRIM27	cg05314350	rs2859358	A	T	-0.230	0.032	0.163	3.49E-13	0.013	0.003	7.25E-05	0.014	52.884	TRUE	7.71E-12
FEV1FVC	TRIM27	cg08125020	rs115318295	A	T	-0.518	0.026	0.254	2.03E-91	0.001	0.003	0.859	0.100	410.960	TRUE	2.83E-87
FEV1FVC	TRIM27	cg08125020	rs117929666	C	G	-0.572	0.080	0.022	6.33E-13	0.023	0.008	0.005	0.014	51.714	TRUE	6.51E-12
FEV1FVC	TRIM27	cg08125020	rs2859379	T	C	-0.371	0.068	0.027	3.94E-08	-0.016	0.007	0.015	0.008	30.163	TRUE	1.76E-07
FEV1FVC	TRIM27	cg08125020	rs35604709	A	G	-0.333	0.048	0.062	2.59E-12	0.014	0.005	0.004	0.013	48.947	TRUE	2.49E-11
FEV1FVC	TRIM27	cg08125020	rs388017	T	C	0.350	0.062	0.035	2.02E-08	0.017	0.006	0.007	0.008	31.455	TRUE	1.06E-07
FEV1FVC	TRIM27	cg08125020	rs55740552	G	T	-0.289	0.048	0.060	1.80E-09	-0.005	0.005	0.304	0.010	36.161	TRUE	4.16E-09
FEV1FVC	TRIM27	cg08125020	rs67998226	C	T	0.243	0.037	0.113	3.03E-11	-0.030	0.004	1.10E-15	0.012	44.133	TRUE	5.61E-09
FEV1FVC	TRIM27	cg08125020	rs6933976	A	G	-0.197	0.028	0.223	1.73E-12	0.005	0.003	0.067	0.013	49.746	TRUE	8.34E-12
FEV1FVC	TRIM27	cg08125020	rs7742858	T	C	-0.375	0.041	0.083	1.06E-19	-0.014	0.004	9.61E-04	0.022	82.449	TRUE	3.73E-18
FEV1FVC	TRIM27	cg09292581	rs3129793	A	G	-0.127	0.023	0.490	3.68E-08	-0.010	0.002	5.50E-05	0.008	30.297	TRUE	3.70E-07
FEV1FVC	TRIM27	cg09409585	rs113000237	A	G	-0.365	0.041	0.083	9.36E-19	-0.014	0.004	7.09E-04	0.021	78.147	TRUE	3.09E-17
FEV1FVC	TRIM27	cg09409585	rs114357009	A	G	-0.328	0.052	0.048	3.02E-10	-0.003	0.006	0.563	0.011	39.640	TRUE	5.67E-10
FEV1FVC	TRIM27	cg09409585	rs2253518	G	A	0.212	0.032	0.157	4.70E-11	-0.007	0.003	0.028	0.012	43.276	TRUE	2.57E-10
FEV1FVC	TRIM27	cg09409585	rs35403242	A	G	-0.348	0.048	0.063	2.57E-13	0.015	0.005	0.004	0.014	53.482	TRUE	2.88E-12
FEV1FVC	TRIM27	cg09409585	rs41316606	T	A	-0.383	0.070	0.031	4.67E-08	0.006	0.007	0.391	0.008	29.832	TRUE	8.98E-08
FEV1FVC	TRIM27	cg09409585	rs6904975	A	G	-0.421	0.024	0.364	4.81E-71	0.003	0.003	0.238	0.079	317.434	TRUE	1.23E-67
FEV1FVC	TRIM27	cg09444060	rs115318295	A	T	-0.275	0.026	0.254	8.89E-27	0.001	0.003	0.859	0.030	114.696	TRUE	3.42E-26
FEV1FVC	TRIM27	cg09855662	rs13437444	T	C	-0.199	0.029	0.213	7.23E-12	-0.016	0.003	3.06E-08	0.013	46.939	TRUE	3.46E-10
FEV1FVC	TRIM27	cg09855662	rs3128871	C	T	0.158	0.027	0.257	5.26E-09	0.002	0.003	0.508	0.009	34.073	TRUE	9.51E-09
FEV1FVC	TRIM27	cg09855662	rs35560946	T	C	-0.306	0.025	0.303	1.64E-33	-0.015	0.003	9.74E-09	0.038	145.460	TRUE	6.07E-30
FEV1FVC	TRIM27	cg09855662	rs6904975	A	G	-0.163	0.024	0.364	1.42E-11	0.003	0.003	0.238	0.012	45.620	TRUE	4.18E-11
FEV1FVC	TRIM27	cg10401017	rs1029328	C	T	0.262	0.034	0.135	2.01E-14	-0.006	0.004	0.104	0.016	58.494	TRUE	1.04E-13
FEV1FVC	TRIM27	cg10401017	rs115451991	A	C	-0.928	0.110	0.013	2.84E-17	0.008	0.012	0.508	0.019	71.411	TRUE	8.78E-17

FEV1FVC	TRIM27	cg10401017	rs115537782	A	G	-0.876	0.101	0.013	3.03E-18	-0.002	0.009	0.797	0.020	75.827	TRUE	7.14E-18
FEV1FVC	TRIM27	cg10401017	rs202145819	G	A	-0.555	0.094	0.018	3.11E-09	0.028	0.011	0.010	0.009	35.093	TRUE	1.69E-08
FEV1FVC	TRIM27	cg10401017	rs209140	A	G	-1.063	0.020	0.247	<1E-200	0.001	0.003	0.712	0.434	2835.038	TRUE	<1E-200
FEV1FVC	TRIM27	cg10401017	rs213231	T	G	-0.656	0.052	0.051	4.91E-36	0.020	0.005	1.31E-04	0.041	156.997	TRUE	2.94E-33
FEV1FVC	TRIM27	cg10401017	rs2253518	G	A	0.291	0.032	0.157	1.46E-19	-0.007	0.003	0.028	0.022	81.813	TRUE	1.99E-18
FEV1FVC	TRIM27	cg10401017	rs2859379	T	C	-0.658	0.068	0.027	2.63E-22	-0.016	0.007	0.015	0.025	94.307	TRUE	6.05E-21
FEV1FVC	TRIM27	cg10401017	rs3135316	G	A	0.493	0.037	0.116	1.97E-41	-0.031	0.004	7.11E-17	0.047	181.696	TRUE	5.80E-36
FEV1FVC	TRIM27	cg10401017	rs35604709	A	G	-0.721	0.047	0.062	1.07E-52	0.014	0.005	0.004	0.059	233.297	TRUE	2.19E-49
FEV1FVC	TRIM27	cg10401017	rs36050447	T	C	-0.669	0.076	0.025	1.79E-18	0.007	0.007	0.343	0.020	76.863	TRUE	7.68E-18
FEV1FVC	TRIM27	cg10401017	rs388017	T	C	0.424	0.063	0.035	1.48E-11	0.017	0.006	0.007	0.012	45.530	TRUE	1.17E-10
FEV1FVC	TRIM27	cg10401017	rs55740552	G	T	-0.663	0.048	0.060	8.20E-44	-0.005	0.005	0.304	0.049	192.593	TRUE	4.14E-42
FEV1FVC	TRIM27	cg10401017	rs62401446	A	G	-0.581	0.092	0.019	3.13E-10	0.010	0.009	0.227	0.011	39.573	TRUE	8.50E-10
FEV1FVC	TRIM27	cg10401017	rs6933976	A	G	-0.397	0.028	0.223	2.78E-46	0.005	0.003	0.067	0.052	203.906	TRUE	5.28E-44
FEV1FVC	TRIM27	cg10401017	rs72846802	G	A	0.306	0.053	0.058	9.83E-09	0.010	0.005	0.049	0.009	32.858	TRUE	3.65E-08
FEV1FVC	TRIM27	cg10401017	rs73396583	C	T	-0.759	0.037	0.097	2.73E-91	-0.013	0.004	6.03E-04	0.100	410.368	TRUE	1.62E-84
FEV1FVC	TRIM27	cg10401017	rs75524239	C	T	-0.320	0.038	0.104	7.96E-17	0.019	0.004	6.26E-06	0.018	69.382	TRUE	4.96E-15
FEV1FVC	TRIM27	cg10401017	rs77074408	A	T	0.616	0.112	0.011	3.75E-08	0.007	0.013	0.577	0.008	30.256	TRUE	6.18E-08
FEV1FVC	TRIM27	cg10401017	rs9348782	A	G	-0.438	0.051	0.050	1.54E-17	0.017	0.005	0.001	0.019	72.622	TRUE	3.87E-16
FEV1FVC	TRIM27	cg10718056	rs115318295	A	T	-0.279	0.026	0.254	2.50E-27	0.001	0.003	0.859	0.031	117.209	TRUE	1.00E-26
FEV1FVC	TRIM27	cg10718056	rs16893552	A	G	-0.256	0.042	0.079	1.41E-09	-0.014	0.004	7.31E-04	0.010	36.638	TRUE	1.26E-08
FEV1FVC	TRIM27	cg10718056	rs35604709	A	G	-0.293	0.047	0.062	5.09E-10	0.014	0.005	0.004	0.010	38.623	TRUE	3.61E-09
FEV1FVC	TRIM27	cg10718056	rs6933976	A	G	-0.172	0.028	0.223	5.45E-10	0.005	0.003	0.067	0.010	38.489	TRUE	2.07E-09
FEV1FVC	TRIM27	cg11073024	rs1029328	C	T	-0.297	0.034	0.135	3.36E-18	-0.006	0.004	0.104	0.020	75.627	TRUE	2.45E-17
FEV1FVC	TRIM27	cg11073024	rs115486666	A	C	-0.516	0.076	0.027	1.06E-11	0.000	0.007	0.961	0.012	46.188	TRUE	1.53E-11
FEV1FVC	TRIM27	cg11073024	rs115651187	G	C	-0.392	0.044	0.085	4.03E-19	0.036	0.005	3.73E-15	0.021	79.809	TRUE	5.20E-16
FEV1FVC	TRIM27	cg11073024	rs117929666	C	G	0.461	0.080	0.022	8.55E-09	0.023	0.008	0.005	0.009	33.129	TRUE	5.11E-08
FEV1FVC	TRIM27	cg11073024	rs149952	T	C	0.331	0.051	0.047	1.27E-10	0.010	0.005	0.043	0.011	41.325	TRUE	5.90E-10
FEV1FVC	TRIM27	cg11073024	rs1794587	C	A	0.730	0.022	0.491	4.15E-246	-0.010	0.002	4.53E-05	0.233	1121.943	TRUE	3.40E-217
FEV1FVC	TRIM27	cg11073024	rs2071966	G	T	0.363	0.041	0.086	8.98E-19	0.016	0.004	1.10E-04	0.021	78.229	TRUE	4.35E-17
FEV1FVC	TRIM27	cg11073024	rs2074466	A	C	0.273	0.033	0.147	1.01E-16	0.003	0.003	0.345	0.018	68.918	TRUE	3.73E-16
FEV1FVC	TRIM27	cg11073024	rs2232428	T	C	0.464	0.036	0.105	5.19E-37	-0.012	0.004	0.001	0.042	161.464	TRUE	1.77E-34
FEV1FVC	TRIM27	cg11073024	rs2253518	G	A	-0.275	0.032	0.157	1.14E-17	-0.007	0.003	0.028	0.019	73.208	TRUE	1.27E-16
FEV1FVC	TRIM27	cg11073024	rs2523422	A	G	-0.254	0.027	0.252	9.96E-21	0.002	0.003	0.440	0.023	87.123	TRUE	4.23E-20
FEV1FVC	TRIM27	cg11073024	rs66487884	G	C	0.264	0.040	0.101	4.89E-11	0.016	0.004	4.09E-05	0.012	43.197	TRUE	8.32E-10
FEV1FVC	TRIM27	cg11073024	rs6920512	G	A	-0.286	0.045	0.070	1.41E-10	0.002	0.004	0.583	0.011	41.128	TRUE	2.64E-10
FEV1FVC	TRIM27	cg11073024	rs72831442	G	A	0.259	0.044	0.072	5.31E-09	0.024	0.005	1.51E-06	0.009	34.053	TRUE	9.59E-08
FEV1FVC	TRIM27	cg11073024	rs9257331	A	G	0.399	0.037	0.114	2.57E-27	-0.032	0.004	4.75E-17	0.031	117.154	TRUE	4.09E-23
FEV1FVC	TRIM27	cg11073024	rs9257448	G	A	0.381	0.047	0.068	5.19E-16	0.011	0.005	0.021	0.017	65.689	TRUE	5.27E-15
FEV1FVC	TRIM27	cg11886965	rs1029328	C	T	0.193	0.034	0.135	1.76E-08	-0.006	0.004	0.104	0.009	31.729	TRUE	5.26E-08
FEV1FVC	TRIM27	cg11886965	rs114289137	A	C	-0.432	0.066	0.030	6.73E-11	-0.028	0.006	1.34E-05	0.011	42.573	TRUE	1.30E-09
FEV1FVC	TRIM27	cg11886965	rs115318295	A	T	-0.651	0.025	0.254	1.67E-146	0.001	0.003	0.859	0.152	664.019	TRUE	4.76E-137
FEV1FVC	TRIM27	cg11886965	rs116042790	T	C	0.851	0.113	0.011	5.86E-14	0.007	0.012	0.523	0.015	56.386	TRUE	1.43E-13

FEV1FVC	TRIM27	cg11886965	rs117929666	C	G	-0.511	0.080	0.022	1.75E-10	0.023	0.008	0.005	0.011	40.704	TRUE	1.31E-09
FEV1FVC	TRIM27	cg11886965	rs209139	A	C	-0.506	0.049	0.057	2.57E-25	-0.001	0.005	0.831	0.028	108.030	TRUE	9.16E-25
FEV1FVC	TRIM27	cg11886965	rs2253518	G	A	0.238	0.032	0.157	1.71E-13	-0.007	0.003	0.028	0.014	54.278	TRUE	1.22E-12
FEV1FVC	TRIM27	cg11886965	rs2859379	T	C	-0.388	0.068	0.027	1.17E-08	-0.016	0.007	0.015	0.009	32.523	TRUE	5.57E-08
FEV1FVC	TRIM27	cg11886965	rs56299902	G	A	-0.551	0.061	0.035	2.96E-19	0.013	0.007	0.055	0.021	80.420	TRUE	3.07E-18
FEV1FVC	TRIM27	cg11886965	rs731132	G	T	0.156	0.025	0.392	1.85E-10	0.002	0.002	0.426	0.011	40.594	TRUE	4.00E-10
FEV1FVC	TRIM27	cg11886965	rs9283885	A	G	-0.210	0.028	0.213	1.38E-13	0.003	0.003	0.273	0.015	54.709	TRUE	4.55E-13
FEV1FVC	TRIM27	cg12896170	rs1029328	C	T	0.215	0.034	0.135	3.67E-10	-0.006	0.004	0.104	0.011	39.259	TRUE	1.29E-09
FEV1FVC	TRIM27	cg12896170	rs114124258	T	C	-0.511	0.065	0.031	2.97E-15	-0.026	0.006	4.16E-05	0.017	62.250	TRUE	1.04E-13
FEV1FVC	TRIM27	cg12896170	rs115318295	A	T	-0.670	0.025	0.254	1.59E-156	0.001	0.003	0.859	0.161	710.076	TRUE	6.81E-146
FEV1FVC	TRIM27	cg12896170	rs1233387	T	C	-0.230	0.027	0.230	6.62E-17	0.007	0.003	0.010	0.019	69.747	TRUE	9.24E-16
FEV1FVC	TRIM27	cg12896170	rs209139	A	C	-0.509	0.049	0.057	1.46E-25	-0.001	0.005	0.831	0.029	109.145	TRUE	5.31E-25
FEV1FVC	TRIM27	cg12896170	rs2253518	G	A	0.219	0.032	0.157	1.12E-11	-0.007	0.003	0.028	0.012	46.086	TRUE	6.53E-11
FEV1FVC	TRIM27	cg12896170	rs3135316	G	A	0.261	0.037	0.116	1.63E-12	-0.031	0.004	7.11E-17	0.013	49.858	TRUE	4.86E-10
FEV1FVC	TRIM27	cg12896170	rs35604709	A	G	-0.488	0.048	0.062	1.14E-24	0.014	0.005	0.004	0.028	105.077	TRUE	5.04E-23
FEV1FVC	TRIM27	cg12896170	rs41316606	T	A	-0.486	0.070	0.031	4.02E-12	0.006	0.007	0.391	0.013	48.091	TRUE	1.01E-11
FEV1FVC	TRIM27	cg12896170	rs76683848	C	G	0.612	0.109	0.011	1.94E-08	0.003	0.012	0.796	0.008	31.539	TRUE	2.75E-08
FEV1FVC	TRIM27	cg12896170	rs77983937	G	A	-0.473	0.066	0.031	1.13E-12	0.029	0.007	1.62E-05	0.013	50.571	TRUE	2.98E-11
FEV1FVC	TRIM27	cg13060704	rs6904975	A	G	-0.221	0.024	0.364	4.72E-20	0.003	0.003	0.238	0.022	84.046	TRUE	2.73E-19
FEV1FVC	TRIM27	cg14059339	rs55740552	G	T	-0.282	0.048	0.060	3.30E-09	-0.005	0.005	0.304	0.009	34.977	TRUE	7.49E-09
FEV1FVC	TRIM27	cg15613012	rs113000237	A	G	-0.257	0.041	0.083	5.49E-10	-0.014	0.004	7.09E-04	0.010	38.475	TRUE	5.27E-09
FEV1FVC	TRIM27	cg15613012	rs114357009	A	G	-0.288	0.052	0.048	3.13E-08	-0.003	0.006	0.563	0.008	30.608	TRUE	5.24E-08
FEV1FVC	TRIM27	cg15613012	rs115318295	A	T	-0.399	0.026	0.254	1.83E-53	0.001	0.003	0.859	0.060	236.811	TRUE	8.91E-52
FEV1FVC	TRIM27	cg15613012	rs35604709	A	G	-0.384	0.048	0.062	6.46E-16	0.014	0.005	0.004	0.017	65.257	TRUE	9.72E-15
FEV1FVC	TRIM27	cg16061301	rs113000237	A	G	-0.367	0.041	0.083	6.40E-19	-0.014	0.004	7.09E-04	0.021	78.898	TRUE	2.16E-17
FEV1FVC	TRIM27	cg16061301	rs114357009	A	G	-0.450	0.052	0.048	4.43E-18	-0.003	0.006	0.563	0.020	75.081	TRUE	1.35E-17
FEV1FVC	TRIM27	cg16061301	rs115318295	A	T	-0.736	0.023	0.254	5.57E-233	0.001	0.003	0.859	0.223	1061.573	TRUE	2.08E-211
FEV1FVC	TRIM27	cg16061301	rs117929666	C	G	-0.562	0.080	0.022	2.24E-12	0.023	0.008	0.005	0.013	49.239	TRUE	2.14E-11
FEV1FVC	TRIM27	cg16061301	rs1233387	T	C	-0.161	0.028	0.230	4.84E-09	0.007	0.003	0.010	0.009	34.236	TRUE	2.62E-08
FEV1FVC	TRIM27	cg16061301	rs13437444	T	C	0.282	0.029	0.213	2.04E-22	-0.016	0.003	3.06E-08	0.025	94.815	TRUE	7.35E-20
FEV1FVC	TRIM27	cg16061301	rs35604709	A	G	-0.410	0.048	0.062	6.92E-18	0.014	0.005	0.004	0.020	74.200	TRUE	1.33E-16
FEV1FVC	TRIM27	cg16061301	rs41316606	T	A	-0.558	0.070	0.031	1.47E-15	0.006	0.007	0.391	0.017	63.640	TRUE	4.70E-15
FEV1FVC	TRIM27	cg16061301	rs6936343	T	C	0.243	0.042	0.092	5.29E-09	0.003	0.004	0.434	0.009	34.061	TRUE	1.03E-08
FEV1FVC	TRIM27	cg16754082	rs13437444	T	C	0.207	0.029	0.213	1.16E-12	-0.016	0.003	3.06E-08	0.013	50.523	TRUE	6.56E-11
FEV1FVC	TRIM27	cg16754082	rs209140	A	G	-0.505	0.026	0.247	3.04E-84	0.001	0.003	0.712	0.093	378.012	TRUE	1.71E-80
FEV1FVC	TRIM27	cg16754082	rs41316606	T	A	-0.476	0.070	0.031	1.03E-11	0.006	0.007	0.391	0.012	46.254	TRUE	2.52E-11
FEV1FVC	TRIM27	cg16754082	rs55740552	G	T	-0.263	0.048	0.060	4.96E-08	-0.005	0.005	0.304	0.008	29.715	TRUE	1.03E-07
FEV1FVC	TRIM27	cg16754082	rs56299902	G	A	-0.481	0.061	0.035	5.54E-15	0.013	0.007	0.055	0.016	61.027	TRUE	3.75E-14
FEV1FVC	TRIM27	cg16754082	rs73396583	C	T	-0.253	0.038	0.097	4.39E-11	-0.013	0.004	6.03E-04	0.012	43.409	TRUE	5.02E-10
FEV1FVC	TRIM27	cg17666981	rs115196926	T	C	0.485	0.043	0.082	6.79E-29	0.004	0.004	0.333	0.033	124.362	TRUE	6.91E-28
FEV1FVC	TRIM27	cg17666981	rs115486666	A	C	0.494	0.076	0.027	8.24E-11	0.000	0.007	0.961	0.011	42.178	TRUE	1.15E-10
FEV1FVC	TRIM27	cg17666981	rs115651187	G	C	0.433	0.044	0.085	6.50E-23	0.036	0.005	3.73E-15	0.026	97.074	TRUE	2.05E-19

FEV1FVC	TRIM27	cg17666981	rs117929666	C	G	-0.995	0.080	0.022	6.86E-36	0.023	0.008	0.005	0.041	156.334	TRUE	1.26E-33
FEV1FVC	TRIM27	cg17666981	rs12199114	C	G	0.472	0.060	0.037	4.80E-15	0.013	0.006	0.038	0.016	61.307	TRUE	3.62E-14
FEV1FVC	TRIM27	cg17666981	rs149957	T	G	-0.579	0.045	0.062	7.28E-38	0.003	0.004	0.488	0.043	165.366	TRUE	1.31E-36
FEV1FVC	TRIM27	cg17666981	rs16894128	G	A	0.460	0.035	0.131	3.48E-40	-0.007	0.004	0.055	0.045	175.982	TRUE	3.48E-38
FEV1FVC	TRIM27	cg17666981	rs184654684	G	A	0.432	0.079	0.025	4.06E-08	0.016	0.008	0.054	0.008	30.105	TRUE	1.37E-07
FEV1FVC	TRIM27	cg17666981	rs3117193	T	C	0.279	0.024	0.394	1.33E-30	0.012	0.003	3.35E-06	0.034	132.167	TRUE	7.86E-28
FEV1FVC	TRIM27	cg17666981	rs3135316	G	A	-0.731	0.036	0.116	1.59E-91	-0.031	0.004	7.11E-17	0.100	411.449	TRUE	7.44E-81
FEV1FVC	TRIM27	cg17666981	rs362521	T	C	-0.436	0.047	0.063	8.56E-21	-0.004	0.005	0.417	0.023	87.422	TRUE	3.90E-20
FEV1FVC	TRIM27	cg17666981	rs56295386	T	C	-0.615	0.036	0.105	5.76E-65	-0.012	0.004	0.002	0.073	289.550	TRUE	1.52E-60
FEV1FVC	TRIM27	cg17666981	rs62402370	C	G	-0.629	0.041	0.086	1.82E-53	0.016	0.004	1.38E-04	0.060	236.816	TRUE	1.69E-49
FEV1FVC	TRIM27	cg17666981	rs731132	G	T	0.242	0.024	0.392	4.62E-23	0.002	0.002	0.426	0.026	97.752	TRUE	2.44E-22
FEV1FVC	TRIM27	cg17666981	rs7765791	C	T	-0.514	0.080	0.022	1.32E-10	0.018	0.008	0.033	0.011	41.254	TRUE	6.54E-10
FEV1FVC	TRIM27	cg17666981	rs9257460	A	G	-0.663	0.051	0.054	4.79E-38	0.011	0.005	0.028	0.043	166.197	TRUE	5.24E-36
FEV1FVC	TRIM27	cg17666981	rs9348792	T	C	0.362	0.062	0.039	6.73E-09	-0.006	0.006	0.335	0.009	33.594	TRUE	1.44E-08
FEV1FVC	TRIM27	cg18844029	rs114383434	C	T	-0.693	0.059	0.037	7.92E-32	-0.033	0.006	8.33E-09	0.036	137.761	TRUE	1.98E-28
FEV1FVC	TRIM27	cg18844029	rs114799031	T	A	-0.575	0.083	0.022	5.46E-12	0.030	0.009	4.26E-04	0.013	47.489	TRUE	7.70E-11
FEV1FVC	TRIM27	cg18844029	rs115537782	A	G	-0.959	0.100	0.013	1.38E-21	-0.002	0.009	0.797	0.024	91.027	TRUE	4.01E-21
FEV1FVC	TRIM27	cg18844029	rs115651187	G	C	0.320	0.044	0.085	3.38E-13	0.036	0.005	3.73E-15	0.014	52.948	TRUE	9.68E-11
FEV1FVC	TRIM27	cg18844029	rs117929666	C	G	-0.940	0.080	0.022	3.15E-32	0.023	0.008	0.005	0.036	139.590	TRUE	3.57E-30
FEV1FVC	TRIM27	cg18844029	rs13437444	T	C	0.364	0.029	0.213	3.26E-36	-0.016	0.003	3.06E-08	0.041	157.809	TRUE	1.37E-32
FEV1FVC	TRIM27	cg18844029	rs149356531	G	C	-0.361	0.058	0.045	5.21E-10	0.002	0.006	0.817	0.010	38.574	TRUE	7.83E-10
FEV1FVC	TRIM27	cg18844029	rs16894128	G	A	0.380	0.035	0.131	8.99E-28	-0.007	0.004	0.055	0.031	119.239	TRUE	2.17E-26
FEV1FVC	TRIM27	cg18844029	rs209139	A	C	-0.916	0.048	0.057	1.01E-81	-0.001	0.005	0.831	0.090	366.441	TRUE	2.78E-78
FEV1FVC	TRIM27	cg18844029	rs209142	C	G	-0.812	0.021	0.388	<1E-200	-0.012	0.002	1.36E-06	0.295	1547.262	TRUE	1.62E-289
FEV1FVC	TRIM27	cg18844029	rs2523441	T	A	0.168	0.027	0.252	9.20E-10	0.002	0.003	0.456	0.010	37.467	TRUE	1.85E-09
FEV1FVC	TRIM27	cg18844029	rs2859379	T	C	-0.739	0.068	0.027	9.22E-28	-0.016	0.007	0.015	0.031	119.189	TRUE	3.99E-26
FEV1FVC	TRIM27	cg18844029	rs36050447	T	C	-0.733	0.076	0.025	6.65E-22	0.007	0.007	0.343	0.024	92.475	TRUE	3.73E-21
FEV1FVC	TRIM27	cg18844029	rs388017	T	C	0.376	0.063	0.035	2.32E-09	0.017	0.006	0.007	0.010	35.667	TRUE	1.38E-08
FEV1FVC	TRIM27	cg18844029	rs62401446	A	G	-0.552	0.092	0.019	2.26E-09	0.010	0.009	0.227	0.010	35.713	TRUE	5.76E-09
FEV1FVC	TRIM27	cg18844029	rs62402370	C	G	-0.817	0.040	0.086	3.97E-91	0.016	0.004	1.38E-04	0.100	409.621	TRUE	5.00E-84
FEV1FVC	TRIM27	cg18844029	rs6933825	G	A	-0.792	0.034	0.115	1.38E-117	-0.004	0.004	0.272	0.126	531.149	TRUE	2.48E-110
FEV1FVC	TRIM27	cg18844029	rs72831442	G	A	-0.644	0.044	0.072	5.57E-49	0.024	0.005	1.51E-06	0.055	216.263	TRUE	9.85E-45
FEV1FVC	TRIM27	cg18844029	rs72849209	T	A	0.602	0.110	0.013	4.04E-08	-0.011	0.012	0.366	0.008	30.114	TRUE	7.95E-08
FEV1FVC	TRIM27	cg18844029	rs9283885	A	G	-0.431	0.028	0.213	1.85E-53	0.003	0.003	0.273	0.060	236.791	TRUE	3.41E-51
FEV1FVC	TRIM27	cg18844029	rs9348782	A	G	-0.518	0.051	0.050	5.91E-24	0.017	0.005	0.001	0.027	101.820	TRUE	3.46E-22
FEV1FVC	TRIM27	cg18954047	rs115318295	A	T	-0.373	0.026	0.254	3.70E-48	0.001	0.003	0.859	0.054	212.496	TRUE	9.88E-47
FEV1FVC	TRIM27	cg18954047	rs62401458	A	G	-0.348	0.063	0.033	3.15E-08	0.007	0.007	0.288	0.008	30.599	TRUE	6.79E-08
FEV1FVC	TRIM27	cg18954047	rs79130209	A	G	-0.374	0.066	0.030	1.31E-08	-0.026	0.006	4.19E-05	0.009	32.306	TRUE	1.44E-07
FEV1FVC	TRIM27	cg18954047	rs79157584	A	G	-0.363	0.054	0.048	1.45E-11	0.019	0.006	7.20E-04	0.012	45.570	TRUE	1.74E-10
FEV1FVC	TRIM27	cg19400926	rs115318295	A	T	-0.454	0.026	0.254	3.09E-69	0.001	0.003	0.859	0.077	309.138	TRUE	1.19E-66
FEV1FVC	TRIM27	cg19400926	rs1233387	T	C	-0.158	0.028	0.230	1.02E-08	0.007	0.003	0.010	0.009	32.786	TRUE	5.30E-08
FEV1FVC	TRIM27	cg19400926	rs209139	A	C	-0.296	0.049	0.057	1.48E-09	-0.001	0.005	0.831	0.010	36.543	TRUE	2.15E-09

FEV1FVC	TRIM27	cg19400926	rs2859356	T	C	-0.265	0.032	0.162	6.42E-17	0.013	0.003	7.18E-05	0.019	69.806	TRUE	2.58E-15
FEV1FVC	TRIM27	cg19400926	rs3095275	A	G	0.174	0.029	0.206	2.52E-09	0.016	0.003	2.98E-07	0.010	35.501	TRUE	5.45E-08
FEV1FVC	TRIM27	cg19400926	rs41316606	T	A	-0.401	0.070	0.031	1.03E-08	0.006	0.007	0.391	0.009	32.772	TRUE	2.06E-08
FEV1FVC	TRIM27	cg20370991	rs115318295	A	T	-0.159	0.026	0.254	1.06E-09	0.001	0.003	0.859	0.010	37.194	TRUE	1.52E-09
FEV1FVC	TRIM27	cg20544852	rs115318295	A	T	-0.264	0.026	0.254	4.85E-24	0.001	0.003	0.859	0.027	102.211	TRUE	1.54E-23
FEV1FVC	TRIM27	cg21997109	rs115651187	G	C	-0.490	0.044	0.085	4.50E-29	0.036	0.005	3.73E-15	0.033	125.177	TRUE	5.69E-25
FEV1FVC	TRIM27	cg21997109	rs117929666	C	G	0.486	0.080	0.022	1.31E-09	0.023	0.008	0.005	0.010	36.785	TRUE	8.72E-09
FEV1FVC	TRIM27	cg21997109	rs1233388	G	A	0.238	0.030	0.183	1.21E-15	0.009	0.003	0.003	0.017	64.018	TRUE	1.82E-14
FEV1FVC	TRIM27	cg21997109	rs143257546	G	C	-0.526	0.075	0.024	2.99E-12	-0.002	0.008	0.833	0.013	48.668	TRUE	4.92E-12
FEV1FVC	TRIM27	cg21997109	rs149952	T	C	0.456	0.051	0.047	6.93E-19	0.010	0.005	0.043	0.021	78.740	TRUE	7.48E-18
FEV1FVC	TRIM27	cg21997109	rs150790220	T	C	0.326	0.059	0.045	3.19E-08	0.001	0.006	0.830	0.008	30.574	TRUE	4.36E-08
FEV1FVC	TRIM27	cg21997109	rs16894128	G	A	-0.411	0.035	0.131	2.51E-32	-0.007	0.004	0.055	0.036	140.044	TRUE	9.96E-31
FEV1FVC	TRIM27	cg21997109	rs184654684	G	A	-0.495	0.079	0.025	3.02E-10	0.016	0.008	0.054	0.011	39.638	TRUE	1.27E-09
FEV1FVC	TRIM27	cg21997109	rs2523422	A	G	-0.321	0.027	0.252	2.60E-32	0.002	0.003	0.440	0.036	139.970	TRUE	2.89E-31
FEV1FVC	TRIM27	cg21997109	rs2531809	A	G	0.377	0.035	0.129	5.01E-27	0.013	0.004	2.31E-04	0.030	115.833	TRUE	6.58E-25
FEV1FVC	TRIM27	cg21997109	rs35403242	A	G	0.403	0.048	0.063	2.28E-17	0.015	0.005	0.004	0.019	71.850	TRUE	4.23E-16
FEV1FVC	TRIM27	cg21997109	rs56295386	T	C	0.479	0.036	0.105	1.92E-39	-0.012	0.004	0.002	0.045	172.591	TRUE	8.97E-37
FEV1FVC	TRIM27	cg21997109	rs6907104	C	A	0.515	0.066	0.031	5.68E-15	0.018	0.007	0.012	0.016	60.975	TRUE	5.82E-14
FEV1FVC	TRIM27	cg21997109	rs6920512	G	A	-0.280	0.045	0.070	3.74E-10	0.002	0.004	0.583	0.010	39.221	TRUE	6.83E-10
FEV1FVC	TRIM27	cg21997109	rs731132	G	T	-0.320	0.024	0.392	1.15E-39	0.002	0.002	0.426	0.045	173.606	TRUE	2.76E-38
FEV1FVC	TRIM27	cg21997109	rs77273697	C	T	-0.229	0.027	0.258	1.17E-17	0.002	0.003	0.491	0.019	73.171	TRUE	3.74E-17
FEV1FVC	TRIM27	cg21997109	rs7752448	G	A	0.546	0.034	0.125	7.12E-57	-0.029	0.004	7.31E-16	0.064	252.442	TRUE	4.92E-50
FEV1FVC	TRIM27	cg21997109	rs9257452	A	G	0.465	0.047	0.068	3.08E-23	0.010	0.005	0.025	0.026	98.554	TRUE	6.53E-22
FEV1FVC	TRIM27	cg22900372	rs115196926	T	C	-0.255	0.043	0.082	4.24E-09	0.004	0.004	0.333	0.009	34.494	TRUE	9.19E-09
FEV1FVC	TRIM27	cg22900372	rs115651187	G	C	0.278	0.044	0.085	2.25E-10	0.036	0.005	3.73E-15	0.011	40.216	TRUE	2.90E-08
FEV1FVC	TRIM27	cg22900372	rs12199114	C	G	0.331	0.060	0.037	3.43E-08	0.013	0.006	0.038	0.008	30.432	TRUE	1.26E-07
FEV1FVC	TRIM27	cg22900372	rs1233387	T	C	-0.173	0.027	0.230	2.44E-10	0.007	0.003	0.010	0.011	40.060	TRUE	1.55E-09
FEV1FVC	TRIM27	cg22900372	rs16894139	C	T	-0.266	0.040	0.090	2.57E-11	0.016	0.004	6.74E-05	0.012	44.453	TRUE	4.38E-10
FEV1FVC	TRIM27	cg22900372	rs3117193	T	C	0.203	0.024	0.394	5.08E-17	0.012	0.003	3.35E-06	0.019	70.267	TRUE	3.36E-15
FEV1FVC	TRIM27	cg22900372	rs55740552	G	T	-0.273	0.048	0.060	1.32E-08	-0.005	0.005	0.304	0.009	32.291	TRUE	2.86E-08
FEV1FVC	TRIM27	cg22900372	rs71559084	C	G	0.314	0.040	0.091	7.04E-15	-0.010	0.004	0.023	0.016	60.555	TRUE	6.03E-14
FEV1FVC	TRIM27	cg22900372	rs73396550	G	A	-0.368	0.038	0.096	3.57E-22	-0.013	0.004	6.32E-04	0.025	93.702	TRUE	1.90E-20
FEV1FVC	TRIM27	cg22900372	rs76683848	C	G	-1.044	0.107	0.011	2.70E-22	0.003	0.012	0.796	0.025	94.259	TRUE	8.19E-22
FEV1FVC	TRIM27	cg22900372	rs9380067	A	G	-0.231	0.028	0.246	7.37E-17	-0.011	0.003	5.58E-05	0.018	69.533	TRUE	2.92E-15
FEV1FVC	TRIM27	cg23756442	rs3135316	G	A	-0.470	0.037	0.116	9.93E-38	-0.031	0.004	7.11E-17	0.043	164.747	TRUE	1.28E-32
FEV1FVC	TRIM27	cg23756442	rs72851179	A	G	-0.325	0.057	0.049	1.38E-08	0.010	0.005	0.073	0.009	32.204	TRUE	4.51E-08
FEV1FVC	TRIM27	cg23756442	rs9257572	T	G	-0.185	0.024	0.426	7.02E-15	-0.010	0.002	8.06E-05	0.016	60.560	TRUE	2.05E-13
FEV1FVC	TRIM27	cg24697433	rs114325231	T	G	-0.572	0.048	0.063	2.86E-33	0.023	0.005	7.27E-06	0.038	144.355	TRUE	2.33E-30
FEV1FVC	TRIM27	cg24697433	rs12195700	C	T	0.328	0.060	0.038	4.60E-08	0.011	0.006	0.065	0.008	29.861	TRUE	1.49E-07
FEV1FVC	TRIM27	cg24697433	rs149356531	G	C	-0.466	0.058	0.045	8.21E-16	0.002	0.006	0.817	0.017	64.784	TRUE	1.65E-15
FEV1FVC	TRIM27	cg24697433	rs149952	T	C	-0.595	0.051	0.047	3.01E-31	0.010	0.005	0.043	0.035	135.112	TRUE	1.22E-29
FEV1FVC	TRIM27	cg24697433	rs1736922	T	C	0.237	0.027	0.271	9.17E-19	-0.020	0.003	1.69E-13	0.021	78.187	TRUE	7.35E-16

FEV1FVC	TRIM27	cg24697433	rs209140	A	G	-1.035	0.020	0.247	<1E-200	0.001	0.003	0.712	0.411	2585.652	TRUE	<1E-200
FEV1FVC	TRIM27	cg24697433	rs34302671	G	A	0.298	0.038	0.108	1.98E-15	-0.006	0.004	0.150	0.017	63.048	TRUE	9.70E-15
FEV1FVC	TRIM27	cg24697433	rs35403242	A	G	-0.972	0.046	0.063	1.96E-97	0.015	0.005	0.004	0.106	438.578	TRUE	1.64E-90
FEV1FVC	TRIM27	cg24697433	rs41316606	T	A	-1.089	0.069	0.031	6.66E-56	0.006	0.007	0.391	0.063	247.989	TRUE	1.19E-53
FEV1FVC	TRIM27	cg24697433	rs62401446	A	G	-0.823	0.092	0.019	3.68E-19	0.010	0.009	0.227	0.021	79.989	TRUE	2.04E-18
FEV1FVC	TRIM27	cg24697433	rs73740605	C	T	-1.127	0.169	0.011	2.92E-11	-0.032	0.011	0.004	0.012	44.205	TRUE	2.53E-10
FEV1FVC	TRIM27	cg24697433	rs74561353	A	T	0.283	0.047	0.067	1.34E-09	0.040	0.005	1.84E-15	0.010	36.728	TRUE	1.38E-07
FEV1FVC	TRIM27	cg24697433	rs75446291	G	C	-1.067	0.172	0.012	5.89E-10	-0.005	0.014	0.715	0.010	38.338	TRUE	9.52E-10
FEV1FVC	TRIM27	cg24697433	rs77983937	G	A	-0.902	0.066	0.031	9.86E-43	0.029	0.007	1.62E-05	0.048	187.646	TRUE	3.01E-39
FEV1FVC	TRIM27	cg24697433	rs78793798	G	A	-1.056	0.066	0.030	5.43E-58	-0.024	0.007	2.71E-04	0.065	257.567	TRUE	7.87E-54
FEV1FVC	TRIM27	cg24697433	rs9295793	A	C	0.282	0.032	0.156	2.77E-18	0.001	0.003	0.734	0.020	76.005	TRUE	6.96E-18
FEV1FVC	TRIM27	cg25525825	rs114357009	A	G	-0.289	0.052	0.048	2.79E-08	-0.003	0.006	0.563	0.008	30.832	TRUE	4.68E-08
FEV1FVC	TRIM27	cg25525825	rs209140	A	G	-0.308	0.026	0.247	1.53E-31	0.001	0.003	0.712	0.036	136.454	TRUE	1.04E-30
FEV1FVC	TRIM27	cg25525825	rs35604709	A	G	-0.292	0.048	0.062	8.84E-10	0.014	0.005	0.004	0.010	37.546	TRUE	6.08E-09
FEV1FVC	TRIM27	cg25701364	rs142863425	T	C	-0.235	0.042	0.080	2.78E-08	-0.014	0.004	0.001	0.008	30.842	TRUE	1.89E-07
FEV1FVC	TRIM27	cg25701364	rs2023463	T	C	0.212	0.036	0.119	4.80E-09	-0.034	0.004	1.00E-20	0.009	34.251	TRUE	8.17E-07
FEV1FVC	TRIM27	cg25701364	rs209140	A	G	-0.245	0.026	0.247	1.25E-20	0.001	0.003	0.712	0.023	86.680	TRUE	3.75E-20
FEV1FVC	TRIM27	cg27120125	rs13200214	T	C	-0.228	0.037	0.110	5.52E-10	-0.029	0.004	2.62E-14	0.010	38.465	TRUE	5.80E-08
FEV1FVC	TRIM27	cg27120125	rs3129793	A	G	-0.130	0.023	0.490	2.00E-08	-0.010	0.002	5.50E-05	0.008	31.481	TRUE	2.11E-07
FEV1FVC	TRIM27	cg27257926	rs209142	C	G	-0.151	0.023	0.388	1.45E-10	-0.012	0.002	1.36E-06	0.011	41.079	TRUE	3.71E-09
FEV1FVC	TRIM27	cg27358207	rs75058702	T	G	0.279	0.049	0.065	1.06E-08	0.009	0.005	0.054	0.009	32.708	TRUE	3.83E-08
FEV1FVC	TRIM27	cg27383651	rs209140	A	G	-0.209	0.026	0.247	1.39E-15	0.001	0.003	0.712	0.017	63.754	TRUE	3.05E-15
FEV1FVC	TRIM8	cg06662132	rs7475335	A	C	-0.179	0.025	0.323	3.34E-13	-0.013	0.003	1.61E-07	0.014	52.966	TRUE	1.81E-11
FEV1FVC	TRIM8	cg07119830	rs11191286	T	C	-0.306	0.028	0.234	8.60E-28	0.002	0.003	0.567	0.031	119.326	TRUE	5.22E-27
FEV1FVC	TRIM8	cg07119830	rs112991768	G	A	0.231	0.036	0.121	1.40E-10	-0.002	0.004	0.549	0.011	41.142	TRUE	2.70E-10
FEV1FVC	TRIM8	cg07119830	rs113189494	G	C	0.423	0.048	0.063	9.10E-19	-0.001	0.005	0.870	0.021	78.204	TRUE	2.03E-18
FEV1FVC	TRIM8	cg07119830	rs117436403	T	C	-0.522	0.084	0.018	5.88E-10	-0.001	0.008	0.925	0.010	38.340	TRUE	8.10E-10
FEV1FVC	TRIM8	cg07119830	rs117639302	T	C	-1.131	0.117	0.010	5.77E-22	0.019	0.011	0.075	0.024	92.755	TRUE	6.89E-21
FEV1FVC	TRIM8	cg07119830	rs12765060	A	G	0.337	0.059	0.036	1.27E-08	-0.008	0.006	0.221	0.009	32.364	TRUE	3.07E-08
FEV1FVC	TRIM8	cg07119830	rs146213793	A	C	0.406	0.065	0.031	3.97E-10	0.008	0.006	0.228	0.010	39.108	TRUE	1.08E-09
FEV1FVC	TRIM8	cg07119830	rs2002916	G	A	0.518	0.024	0.315	1.41E-99	0.005	0.003	0.063	0.108	448.412	TRUE	2.39E-93
FEV1FVC	TRIM8	cg07119830	rs3218225	A	G	-0.748	0.097	0.014	1.42E-14	0.005	0.009	0.567	0.016	59.176	TRUE	3.42E-14
FEV1FVC	TRIM8	cg07119830	rs4146429	C	T	-1.271	0.040	0.081	1.68E-223	0.005	0.004	0.301	0.216	1017.988	TRUE	2.08E-202
FEV1FVC	TRIM8	cg07119830	rs45516493	A	G	-0.227	0.034	0.134	4.78E-11	0.003	0.004	0.352	0.012	43.242	TRUE	1.16E-10
FEV1FVC	TRIM8	cg07119830	rs6584485	C	T	0.210	0.032	0.160	4.79E-11	-0.007	0.003	0.051	0.012	43.239	TRUE	2.17E-10
FEV1FVC	TRIM8	cg07119830	rs7086205	C	T	0.242	0.033	0.144	2.51E-13	0.007	0.003	0.043	0.014	53.528	TRUE	1.55E-12
FEV1FVC	TRIM8	cg07119830	rs74465643	T	C	-0.908	0.090	0.018	4.04E-24	-0.007	0.008	0.388	0.027	102.574	TRUE	2.48E-23
FEV1FVC	TRIM8	cg07119830	rs7904281	A	G	-0.245	0.024	0.359	3.99E-24	-0.004	0.003	0.075	0.027	102.599	TRUE	5.80E-23
FEV1FVC	TRIM8	cg12673499	rs12764388	A	G	0.219	0.038	0.107	8.87E-09	0.004	0.004	0.359	0.009	33.056	TRUE	1.85E-08
FEV1FVC	TRIM8	cg12673499	rs139965762	A	T	0.313	0.051	0.055	8.35E-10	0.000	0.005	0.969	0.010	37.656	TRUE	1.10E-09
FEV1FVC	TRIM8	cg12673499	rs17783771	T	C	-0.437	0.025	0.326	1.21E-70	0.003	0.003	0.317	0.079	315.596	TRUE	2.22E-67
FEV1FVC	TRIM8	cg12673499	rs190041783	G	A	-0.334	0.058	0.042	6.65E-09	-0.001	0.005	0.810	0.009	33.616	TRUE	9.56E-09

FEV1FVC	TRIM8	cg12673499	rs284849	T	G	-0.219	0.030	0.194	1.81E-13	-0.008	0.003	0.005	0.014	54.175	TRUE	1.92E-12
FEV1FVC	TRIM8	cg12673499	rs34416174	C	G	0.254	0.025	0.308	6.63E-24	0.002	0.003	0.412	0.027	101.593	TRUE	3.80E-23
FEV1FVC	TRIM8	cg12673499	rs4918013	A	G	0.204	0.036	0.122	1.85E-08	-0.002	0.004	0.678	0.008	31.632	TRUE	2.84E-08
FEV1FVC	TRIM8	cg12673499	rs61873698	T	C	-0.243	0.043	0.084	1.67E-08	-0.002	0.005	0.724	0.009	31.827	TRUE	2.50E-08
FEV1FVC	TRIM8	cg12673499	rs78392571	A	T	0.222	0.026	0.264	3.64E-17	0.008	0.005	0.090	0.019	70.927	TRUE	2.50E-16
FEV1FVC	TRIM8	cg22532475	rs11191317	A	G	-0.727	0.066	0.035	7.37E-28	0.007	0.007	0.281	0.031	119.632	TRUE	7.74E-27
FEV1FVC	TRIM8	cg22532475	rs11593244	C	T	-0.144	0.024	0.352	4.25E-09	-0.003	0.003	0.216	0.009	34.487	TRUE	1.08E-08
FEV1FVC	TRIM8	cg22532475	rs12414777	T	C	0.398	0.031	0.164	1.91E-38	0.006	0.003	0.056	0.043	168.027	TRUE	1.63E-36
FEV1FVC	TRIM8	cg22532475	rs12768205	T	C	0.326	0.026	0.282	6.47E-37	0.008	0.003	0.002	0.042	161.025	TRUE	1.86E-34
FEV1FVC	TRIM8	cg22532475	rs146213793	A	C	0.438	0.065	0.031	1.45E-11	0.008	0.006	0.228	0.012	45.578	TRUE	4.40E-11
FEV1FVC	TRIM8	cg22532475	rs148089364	T	C	-0.312	0.048	0.059	7.08E-11	0.004	0.005	0.450	0.011	42.473	TRUE	1.53E-10
FEV1FVC	TRIM8	cg22532475	rs191944003	A	G	-0.801	0.089	0.018	2.14E-19	0.006	0.010	0.524	0.021	81.063	TRUE	7.51E-19
FEV1FVC	TRIM8	cg22532475	rs2250301	A	G	-0.281	0.027	0.247	4.84E-25	-0.006	0.003	0.027	0.028	106.778	TRUE	1.16E-23
FEV1FVC	TRIM8	cg22532475	rs28810078	A	G	-0.437	0.079	0.024	3.77E-08	0.006	0.009	0.518	0.008	30.249	TRUE	6.49E-08
FEV1FVC	TRIM8	cg22532475	rs2902544	T	C	0.349	0.038	0.104	8.03E-20	0.001	0.004	0.729	0.022	82.997	TRUE	2.27E-19
FEV1FVC	TRIM8	cg22532475	rs3014187	A	G	-0.236	0.037	0.231	3.34E-10	0.002	0.003	0.558	0.011	39.446	TRUE	6.26E-10
FEV1FVC	TRIM8	cg22532475	rs35055249	C	A	0.322	0.045	0.072	7.48E-13	-0.004	0.005	0.405	0.014	51.386	TRUE	1.94E-12
FEV1FVC	TRIM8	cg22532475	rs35756290	A	G	0.387	0.025	0.297	2.18E-52	0.003	0.003	0.223	0.059	231.877	TRUE	4.20E-50
FEV1FVC	TRIM8	cg22532475	rs55833108	T	G	-0.321	0.027	0.235	6.50E-32	0.001	0.003	0.766	0.036	138.152	TRUE	4.27E-31
FEV1FVC	TRIM8	cg22532475	rs59426691	C	G	-0.804	0.021	0.361	<1E-200	0.005	0.003	0.050	0.282	1449.508	TRUE	2.31E-277
FEV1FVC	TRIM8	cg22532475	rs61873698	T	C	-0.474	0.043	0.084	2.45E-28	-0.002	0.005	0.724	0.032	121.814	TRUE	1.26E-27
FEV1FVC	TRIM8	cg22532475	rs6584485	C	T	0.265	0.032	0.160	1.01E-16	-0.007	0.003	0.051	0.018	68.919	TRUE	8.00E-16
FEV1FVC	TRIM8	cg22532475	rs6584538	G	A	-0.707	0.073	0.023	5.21E-22	0.010	0.007	0.170	0.025	92.957	TRUE	4.33E-21
FEV1FVC	TRIM8	cg22532475	rs7094906	G	A	-0.247	0.027	0.258	1.17E-19	-0.002	0.003	0.471	0.022	82.254	TRUE	4.45E-19
FEV1FVC	TRIM8	cg22532475	rs72841265	T	C	-0.558	0.064	0.034	4.14E-18	-0.009	0.007	0.194	0.020	75.215	TRUE	2.28E-17
FEV1FVC	TRIM8	cg22532475	rs72845082	A	T	0.249	0.035	0.119	2.03E-12	-0.005	0.004	0.151	0.013	49.432	TRUE	7.71E-12
FEV1FVC	TRIM8	cg22532475	rs75779120	A	G	0.341	0.047	0.061	5.62E-13	-0.001	0.005	0.875	0.014	51.948	TRUE	9.21E-13
FEV1FVC	TRIM8	cg22532475	rs76777914	A	G	-0.611	0.063	0.037	4.14E-22	-0.005	0.006	0.442	0.025	93.410	TRUE	1.98E-21
FEV1FVC	TRIM8	cg22532475	rs7921010	T	G	0.221	0.029	0.192	5.03E-14	0.004	0.003	0.168	0.015	56.688	TRUE	2.13E-13
FEV1FVC	TRIM8	cg27391127	rs12241712	A	C	0.370	0.025	0.294	6.28E-48	0.004	0.003	0.142	0.054	211.442	TRUE	9.42E-46
FEV1FVC	TRIM8	cg27391127	rs55689128	A	T	0.153	0.024	0.376	8.69E-11	0.008	0.002	0.002	0.011	42.073	TRUE	8.23E-10
FEV1FVC	TRIML1	cg03199958	rs6858307	G	A	-0.288	0.052	0.059	3.06E-08	0.000	0.005	0.964	0.008	30.654	TRUE	3.82E-08
FEV1FVC	TRIML1	cg03199958	rs73023226	A	G	-1.245	0.081	0.017	6.29E-54	-0.017	0.009	0.044	0.061	238.936	TRUE	4.60E-51
FEV1FVC	TRIML1	cg03199958	rs78158338	A	G	-0.697	0.106	0.012	5.30E-11	-0.008	0.010	0.393	0.012	43.042	TRUE	1.23E-10
FEV1FVC	TRIML1	cg03199958	rs9784510	T	C	-0.275	0.028	0.224	2.58E-23	-0.001	0.003	0.621	0.026	98.903	TRUE	1.04E-22
FEV1FVC	TRIML1	cg03199958	rs997290	A	G	-0.171	0.028	0.237	6.51E-10	-0.003	0.003	0.295	0.010	38.142	TRUE	1.60E-09
FEV1FVC	TRIML1	cg03444122	rs62354295	A	G	-0.719	0.066	0.032	6.35E-28	0.010	0.007	0.130	0.031	119.927	TRUE	1.05E-26
FEV1FVC	TRIML1	cg04086012	rs9784510	T	C	-0.168	0.028	0.224	1.29E-09	-0.001	0.003	0.621	0.010	36.807	TRUE	2.20E-09
FEV1FVC	TRIML1	cg06121772	rs7673270	T	A	-0.204	0.027	0.236	2.02E-14	0.004	0.003	0.217	0.016	58.485	TRUE	7.90E-14
FEV1FVC	TRIML1	cg06121772	rs9784510	T	C	-0.234	0.027	0.224	7.36E-18	-0.001	0.003	0.621	0.020	74.077	TRUE	2.04E-17
FEV1FVC	TRIML1	cg23427912	rs11723673	A	C	-0.897	0.040	0.093	1.02E-110	0.003	0.004	0.524	0.119	499.591	TRUE	1.61E-104
FEV1FVC	TRIML1	cg23427912	rs11724488	G	A	-0.251	0.024	0.426	2.77E-26	0.002	0.002	0.425	0.030	112.442	TRUE	1.90E-25

FEV1FVC	TRIML1	cg23427912	rs12647386	C	T	0.144	0.024	0.473	1.10E-09	-0.002	0.002	0.538	0.010	37.115	TRUE	2.05E-09
FEV1FVC	TRIML1	cg23427912	rs13131525	G	A	-0.307	0.023	0.475	3.61E-39	0.004	0.002	0.069	0.044	171.335	TRUE	2.83E-37
FEV1FVC	TRIML1	cg23427912	rs1540663	G	A	0.144	0.024	0.393	3.05E-09	-0.003	0.002	0.181	0.009	35.133	TRUE	8.29E-09
FEV1FVC	TRIML1	cg23427912	rs34559257	C	G	-0.185	0.028	0.246	3.63E-11	0.000	0.003	0.997	0.012	43.782	TRUE	4.94E-11
FEV1FVC	TRIML1	cg23427912	rs62352691	T	A	-0.499	0.037	0.111	1.75E-40	0.004	0.004	0.295	0.046	177.348	TRUE	6.36E-39
FEV1FVC	TRIML1	cg23427912	rs6818741	T	C	-0.164	0.027	0.259	1.21E-09	0.004	0.003	0.197	0.010	36.932	TRUE	3.31E-09
FEV1FVC	TRIML1	cg23427912	rs6837032	G	A	-0.153	0.024	0.356	3.96E-10	0.003	0.003	0.194	0.010	39.112	TRUE	1.12E-09
FEV1FVC	TRIML1	cg25760325	rs10084905	C	T	-0.142	0.024	0.355	5.90E-09	0.003	0.003	0.226	0.009	33.849	TRUE	1.45E-08
FEV1FVC	TRIML1	cg25760325	rs11723673	A	C	-0.671	0.041	0.093	6.20E-61	0.003	0.004	0.524	0.068	271.059	TRUE	1.57E-58
FEV1FVC	TRIML1	cg25760325	rs13131525	G	A	-0.174	0.024	0.475	2.07E-13	0.004	0.002	0.069	0.014	53.905	TRUE	1.09E-12
FEV1FVC	TRIML1	cg25760325	rs4639152	C	G	-0.167	0.025	0.321	3.96E-11	0.003	0.003	0.236	0.012	43.612	TRUE	1.12E-10
FEV1FVC	TRIML1	cg25760325	rs58632577	C	T	0.170	0.024	0.423	1.99E-12	-0.002	0.003	0.549	0.013	49.466	TRUE	4.30E-12
FEV1FVC	TRIML1	cg25760325	rs62352691	T	A	-0.402	0.038	0.111	1.11E-26	0.004	0.004	0.295	0.030	114.256	TRUE	1.02E-25
FEV1FVC	TRIML2	cg05902834	rs28573887	C	T	-0.236	0.032	0.158	1.86E-13	0.001	0.003	0.838	0.014	54.119	TRUE	3.26E-13
FEV1FVC	TRIML2	cg11807446	rs6833212	T	G	0.378	0.039	0.099	4.35E-22	0.001	0.004	0.868	0.025	93.315	TRUE	1.20E-21
FEV1FVC	TRIML2	cg11807446	rs76885856	T	C	0.507	0.088	0.016	9.14E-09	0.002	0.008	0.854	0.009	32.998	TRUE	1.26E-08
FEV1FVC	TRIML2	cg11807446	rs79739615	G	A	0.179	0.032	0.159	2.04E-08	-0.003	0.003	0.427	0.008	31.435	TRUE	3.86E-08
FEV1FVC	TRIML2	cg17565478	rs78668658	A	G	0.364	0.052	0.053	2.90E-12	0.016	0.006	0.004	0.013	48.731	TRUE	2.79E-11
FEV1FVC	TRIML2	cg25569462	rs111772789	G	A	-0.472	0.033	0.146	7.34E-48	-0.001	0.003	0.811	0.054	211.134	TRUE	2.03E-46
FEV1FVC	TRIML2	cg25569462	rs114295584	C	T	-0.803	0.123	0.024	7.11E-11	-0.010	0.011	0.371	0.011	42.466	TRUE	1.68E-10
FEV1FVC	TRIML2	cg25569462	rs12642480	T	C	0.342	0.024	0.347	1.13E-44	0.002	0.003	0.534	0.050	196.538	TRUE	3.81E-43
FEV1FVC	TRIML2	cg25569462	rs183578343	A	C	-0.947	0.093	0.016	2.62E-24	-0.004	0.010	0.682	0.027	103.430	TRUE	1.05E-23
FEV1FVC	TRIML2	cg25569462	rs4403101	C	T	-0.977	0.020	0.317	<1E-200	0.003	0.003	0.217	0.395	2417.781	TRUE	<1E-200
FEV1FVC	TRIML2	cg25569462	rs55892686	C	T	-0.773	0.036	0.115	4.46E-100	-0.003	0.004	0.512	0.109	450.717	TRUE	7.99E-95
FEV1FVC	TRIML2	cg25569462	rs59615584	T	G	-0.497	0.040	0.099	7.57E-36	0.003	0.004	0.437	0.041	156.137	TRUE	1.24E-34
FEV1FVC	TRIML2	cg25569462	rs60630053	C	T	0.319	0.030	0.207	1.19E-26	0.003	0.003	0.316	0.030	114.116	TRUE	1.04E-25
FEV1FVC	TRIML2	cg25569462	rs6820362	T	G	-0.139	0.025	0.310	4.08E-08	-0.001	0.003	0.722	0.008	30.094	TRUE	5.98E-08
FEV1FVC	TRIML2	cg25569462	rs6857559	T	C	0.164	0.024	0.406	1.14E-11	-0.004	0.003	0.072	0.012	46.053	TRUE	4.97E-11
FEV1FVC	TRIML2	cg25569462	rs74827807	G	C	-0.914	0.105	0.012	4.43E-18	0.005	0.012	0.691	0.020	75.080	TRUE	1.15E-17
FEV1FVC	TRIML2	cg25569462	rs76188383	C	T	-0.941	0.139	0.018	1.16E-11	-0.005	0.009	0.613	0.012	46.010	TRUE	2.24E-11
FEV1FVC	TRIML2	cg25569462	rs7657002	C	T	-0.412	0.023	0.494	1.04E-71	0.003	0.002	0.162	0.080	320.487	TRUE	4.53E-68
FEV1FVC	TRIML2	cg25569462	rs76885856	T	C	-0.941	0.088	0.016	1.33E-26	0.002	0.008	0.854	0.030	113.897	TRUE	5.04E-26
FEV1FVC	TRIML2	cg25569462	rs7696678	T	C	0.388	0.025	0.320	1.93E-55	0.004	0.003	0.156	0.062	245.869	TRUE	7.00E-53
FEV1FVC	TRIML2	cg25569462	rs78158338	A	G	-0.808	0.106	0.012	3.02E-14	-0.008	0.010	0.393	0.015	57.688	TRUE	8.73E-14
FEV1FVC	TSC2	cg00500602	rs8050755	C	T	-0.499	0.035	0.135	2.87E-47	-0.010	0.004	0.003	0.053	208.418	TRUE	3.04E-44
FEV1FVC	TSC2	cg00500602	rs8063461	A	G	0.167	0.024	0.399	4.52E-12	-0.002	0.002	0.358	0.013	47.860	TRUE	1.18E-11
FEV1FVC	TSC2	cg02851047	rs26870	A	C	0.158	0.024	0.422	3.01E-11	0.003	0.002	0.239	0.012	44.145	TRUE	8.69E-11
FEV1FVC	TSC2	cg02851047	rs28447317	G	A	-0.172	0.027	0.247	3.23E-10	-0.002	0.003	0.402	0.011	39.508	TRUE	7.00E-10
FEV1FVC	TSC2	cg02851047	rs3803695	G	A	-0.209	0.033	0.161	1.70E-10	-0.008	0.003	0.019	0.011	40.766	TRUE	9.37E-10
FEV1FVC	TSC2	cg02851047	rs73498161	A	G	-0.332	0.046	0.067	6.69E-13	-0.008	0.005	0.132	0.014	51.606	TRUE	2.79E-12
FEV1FVC	TSC2	cg02851047	rs9928737	A	G	-0.549	0.031	0.168	2.10E-71	-0.010	0.003	0.003	0.079	319.091	TRUE	1.21E-66
FEV1FVC	TSC2	cg03444940	rs12918803	A	G	0.942	0.044	0.071	5.05E-102	-0.008	0.004	0.076	0.111	459.654	TRUE	1.29E-95

FEV1FVC	TSC2	cg03444940	rs17814754	G	A	0.219	0.035	0.138	2.96E-10	-0.010	0.004	0.003	0.011	39.678	TRUE	2.24E-09
FEV1FVC	TSC2	cg03444940	rs25850	C	G	0.294	0.038	0.100	1.98E-14	0.000	0.004	0.995	0.016	58.520	TRUE	3.11E-14
FEV1FVC	TSC2	cg03444940	rs3890944	G	C	0.213	0.031	0.170	7.21E-12	-0.004	0.003	0.277	0.013	46.945	TRUE	2.08E-11
FEV1FVC	TSC2	cg04328826	rs12926737	C	T	-0.201	0.030	0.188	1.28E-11	-0.007	0.003	0.027	0.012	45.815	TRUE	7.37E-11
FEV1FVC	TSC2	cg04515572	rs180831566	C	T	-0.646	0.043	0.081	2.16E-51	-0.006	0.004	0.150	0.058	227.311	TRUE	4.99E-49
FEV1FVC	TSC2	cg09123625	rs2516739	A	G	-0.264	0.029	0.220	2.88E-20	-0.013	0.003	8.36E-06	0.022	85.027	TRUE	2.78E-18
FEV1FVC	TSC2	cg26819590	rs137910794	T	C	-1.253	0.172	0.012	3.12E-13	0.001	0.013	0.971	0.014	53.103	TRUE	4.77E-13
FEV1FVC	TSC2	cg26819590	rs77028972	G	A	-0.179	0.031	0.167	1.22E-08	-0.008	0.003	0.014	0.009	32.433	TRUE	5.94E-08
FEV1FVC	TSGA10	cg13789186	rs11123780	A	T	-0.374	0.052	0.046	5.31E-13	-0.008	0.005	0.140	0.014	52.057	TRUE	2.18E-12
FEV1FVC	TSGA10	cg13789186	rs13010904	G	A	-0.473	0.024	0.357	4.82E-87	0.011	0.003	2.51E-05	0.096	390.868	TRUE	4.95E-80
FEV1FVC	TSGA10	cg13789186	rs13391794	T	C	0.203	0.030	0.174	1.85E-11	-0.003	0.003	0.363	0.012	45.104	TRUE	4.57E-11
FEV1FVC	TSGA10	cg13789186	rs35602593	C	T	-0.150	0.026	0.310	5.08E-09	0.003	0.003	0.332	0.009	34.140	TRUE	1.10E-08
FEV1FVC	TSGA10	cg13789186	rs57507069	T	G	0.231	0.033	0.149	1.68E-12	-0.004	0.003	0.304	0.013	49.801	TRUE	4.87E-12
FEV1FVC	TSGA10	cg13789186	rs75560285	G	C	-0.326	0.054	0.045	1.55E-09	0.008	0.006	0.168	0.010	36.450	TRUE	4.44E-09
FEV1FVC	TSGA10	cg13789186	rs78573944	C	G	0.218	0.034	0.134	2.01E-10	-0.012	0.004	7.98E-04	0.011	40.439	TRUE	1.97E-09
FEV1FVC	TSGA10	cg13789186	rs79141836	G	T	-0.311	0.056	0.047	2.92E-08	0.021	0.005	4.35E-05	0.008	30.745	TRUE	3.04E-07
FEV1FVC	TSPO	cg00343092	rs138911	T	G	-0.475	0.026	0.279	7.73E-75	-0.001	0.003	0.610	0.083	334.844	TRUE	1.25E-71
FEV1FVC	TSPO	cg00343092	rs2269526	C	A	0.300	0.027	0.263	2.79E-29	0.010	0.003	2.63E-04	0.033	126.123	TRUE	4.79E-27
FEV1FVC	TSPO	cg00343092	rs5759173	T	C	-0.160	0.026	0.270	9.10E-10	0.001	0.003	0.680	0.010	37.489	TRUE	1.51E-09
FEV1FVC	TSPO	cg00343092	rs9333351	C	A	-0.459	0.069	0.031	3.89E-11	-0.003	0.008	0.699	0.012	43.646	TRUE	6.78E-11
FEV1FVC	TSPO	cg00343092	rs9612006	T	C	-0.147	0.024	0.453	7.34E-10	-0.004	0.002	0.064	0.010	37.909	TRUE	2.81E-09
FEV1FVC	TSPO	cg01678833	rs762959	T	C	-0.270	0.025	0.325	3.71E-27	0.007	0.003	0.008	0.031	116.427	TRUE	1.86E-25
FEV1FVC	TSPO	cg08909806	rs138911	T	G	-0.816	0.023	0.279	2.84E-270	-0.001	0.003	0.610	0.250	1233.070	TRUE	1.08E-241
FEV1FVC	TSPO	cg08909806	rs187670326	C	T	-0.557	0.091	0.015	7.54E-10	-0.005	0.009	0.619	0.010	37.856	TRUE	1.31E-09
FEV1FVC	TSPO	cg08909806	rs2008738	G	C	0.201	0.037	0.113	3.79E-08	0.012	0.004	0.001	0.008	30.239	TRUE	2.49E-07
FEV1FVC	TSPO	cg08909806	rs2013035	T	C	-0.401	0.072	0.024	2.30E-08	-0.002	0.008	0.846	0.008	31.204	TRUE	3.14E-08
FEV1FVC	TSPO	cg08909806	rs2071724	A	C	0.193	0.024	0.414	2.64E-15	0.002	0.002	0.519	0.017	62.481	TRUE	7.17E-15
FEV1FVC	TSPO	cg08909806	rs2071728	A	T	0.305	0.029	0.223	1.12E-26	0.012	0.003	6.01E-05	0.030	114.230	TRUE	1.91E-24
FEV1FVC	TSPO	cg08909806	rs2179216	G	A	0.139	0.025	0.318	3.95E-08	0.006	0.003	0.023	0.008	30.156	TRUE	1.60E-07
FEV1FVC	TSPO	cg08909806	rs28463554	T	C	0.204	0.035	0.124	7.47E-09	0.003	0.004	0.443	0.009	33.390	TRUE	1.42E-08
FEV1FVC	TSPO	cg08909806	rs4988362	G	A	0.294	0.026	0.290	1.21E-30	-0.002	0.003	0.501	0.035	132.350	TRUE	1.04E-29
FEV1FVC	TSPO	cg08909806	rs6003109	T	C	-0.193	0.026	0.278	1.73E-13	0.001	0.003	0.714	0.014	54.263	TRUE	3.38E-13
FEV1FVC	TSPO	cg08909806	rs9333351	C	A	-0.618	0.069	0.031	4.65E-19	-0.003	0.008	0.699	0.021	79.529	TRUE	1.28E-18
FEV1FVC	TSPO	cg13160331	rs3937387	C	G	0.137	0.024	0.397	9.11E-09	-0.005	0.002	0.030	0.009	33.005	TRUE	3.84E-08
FEV1FVC	TSPO	cg13428073	rs138904	T	C	0.173	0.025	0.311	8.20E-12	-0.004	0.003	0.144	0.012	46.692	TRUE	2.92E-11
FEV1FVC	TSPO	cg20390150	rs762959	T	C	0.147	0.025	0.325	2.87E-09	0.007	0.003	0.008	0.009	35.254	TRUE	1.67E-08
FEV1FVC	TSPO	cg25672027	rs3937387	C	G	-0.209	0.024	0.397	1.10E-18	-0.005	0.002	0.030	0.021	77.824	TRUE	1.36E-17
FEV1FVC	UACA	cg09345916	rs116529282	C	T	-0.168	0.031	0.170	3.96E-08	-0.011	0.003	6.17E-04	0.008	30.151	TRUE	2.84E-07
FEV1FVC	UBE2K	cg05971751	rs1055582	C	T	0.134	0.023	0.491	1.02E-08	0.004	0.002	0.141	0.009	32.790	TRUE	2.84E-08
FEV1FVC	UBE2K	cg08814640	rs12645606	T	G	-0.392	0.034	0.136	3.90E-30	-0.007	0.004	0.036	0.034	130.030	TRUE	1.54E-28
FEV1FVC	UBE2K	cg08814640	rs148891694	G	C	-0.190	0.034	0.142	2.84E-08	0.003	0.003	0.299	0.008	30.797	TRUE	6.16E-08
FEV1FVC	UBE2K	cg22455082	rs140913132	G	C	-1.161	0.103	0.010	9.48E-30	-0.003	0.010	0.753	0.034	128.267	TRUE	5.23E-29

FEV1FVC	UBE2K	cg22455082	rs2687988	C	A	-0.142	0.025	0.333	2.31E-08	-0.001	0.003	0.680	0.008	31.202	TRUE	3.52E-08
FEV1FVC	UBE2K	cg22455082	rs305139	A	G	-0.276	0.027	0.241	2.11E-24	0.006	0.003	0.042	0.027	103.861	TRUE	4.10E-23
FEV1FVC	UBE2K	cg22455082	rs465113	G	A	0.328	0.049	0.054	3.18E-11	0.004	0.005	0.458	0.012	44.036	TRUE	6.97E-11
FEV1FVC	UMOD	cg03084308	rs13333226	G	A	0.377	0.030	0.191	8.22E-36	0.007	0.003	0.018	0.040	155.974	TRUE	8.08E-34
FEV1FVC	UMOD	cg09792189	rs9926784	C	T	-0.165	0.030	0.178	3.34E-08	0.007	0.003	0.015	0.008	30.483	TRUE	1.51E-07
FEV1FVC	UMOD	cg27605307	rs4780884	G	A	0.149	0.025	0.349	1.68E-09	0.005	0.003	0.062	0.010	36.289	TRUE	6.40E-09
FEV1FVC	UNC5B	cg02378006	rs12412628	G	A	-0.190	0.023	0.444	2.84E-16	-0.001	0.002	0.573	0.018	66.878	TRUE	7.68E-16
FEV1FVC	UNC5B	cg02675344	rs7090550	C	T	0.139	0.023	0.451	3.20E-09	0.003	0.002	0.293	0.009	35.036	TRUE	7.37E-09
FEV1FVC	UNC5B	cg04177244	rs10823691	C	T	0.265	0.026	0.279	1.32E-24	-0.004	0.003	0.177	0.028	104.783	TRUE	1.34E-23
FEV1FVC	UNC5B	cg04177244	rs10999720	A	G	-0.558	0.040	0.092	3.67E-44	-0.003	0.004	0.515	0.050	194.189	TRUE	1.19E-42
FEV1FVC	UNC5B	cg04269057	rs827276	T	C	0.225	0.037	0.108	1.54E-09	0.002	0.004	0.531	0.010	36.468	TRUE	2.86E-09
FEV1FVC	UNC5B	cg08539872	rs80017311	C	G	0.670	0.042	0.089	2.00E-58	0.000	0.004	0.936	0.066	259.550	TRUE	1.51E-56
FEV1FVC	UNC5B	cg08539872	rs879279	A	C	-0.250	0.026	0.287	1.34E-21	0.008	0.003	0.002	0.024	91.096	TRUE	4.90E-20
FEV1FVC	UNC5B	cg08905239	rs10999725	G	C	-0.556	0.040	0.090	4.55E-43	-0.003	0.004	0.526	0.049	189.185	TRUE	1.28E-41
FEV1FVC	UNC5B	cg08905239	rs2153712	G	A	0.513	0.025	0.286	1.86E-92	-0.004	0.003	0.092	0.101	415.719	TRUE	5.52E-87
FEV1FVC	UNC5B	cg08905239	rs4345888	G	A	0.309	0.029	0.192	7.96E-26	-0.002	0.003	0.557	0.029	110.352	TRUE	4.20E-25
FEV1FVC	UNC5B	cg11224737	rs10999741	A	G	0.252	0.026	0.285	1.31E-22	0.008	0.003	0.003	0.025	95.689	TRUE	5.27E-21
FEV1FVC	UNC5B	cg17477835	rs6480504	A	G	0.397	0.046	0.064	7.52E-18	-0.004	0.005	0.380	0.020	74.034	TRUE	2.88E-17
FEV1FVC	UNC5B	cg17477835	rs71477537	T	C	0.278	0.050	0.050	3.11E-08	0.001	0.005	0.787	0.008	30.621	TRUE	4.42E-08
FEV1FVC	UNC5B	cg18317005	rs10400016	G	A	-0.349	0.023	0.432	4.60E-51	-0.002	0.002	0.453	0.058	225.811	TRUE	3.78E-49
FEV1FVC	UNC5B	cg18317005	rs12767939	C	G	0.205	0.024	0.371	4.57E-17	0.006	0.003	0.018	0.019	70.477	TRUE	5.35E-16
FEV1FVC	UNC5B	cg18317005	rs2394789	G	A	-0.548	0.048	0.060	8.46E-30	-0.006	0.005	0.219	0.034	128.491	TRUE	1.24E-28
FEV1FVC	UNC5B	cg18317005	rs35462186	T	G	-0.325	0.054	0.046	2.39E-09	-0.002	0.005	0.740	0.010	35.606	TRUE	3.68E-09
FEV1FVC	UNC5B	cg18317005	rs56275535	T	C	-0.286	0.034	0.142	1.48E-17	-0.003	0.003	0.420	0.019	72.696	TRUE	5.19E-17
FEV1FVC	UNC5B	cg19673155	rs1124397	C	T	-0.224	0.026	0.315	1.87E-18	0.007	0.003	0.006	0.020	76.778	TRUE	3.67E-17
FEV1FVC	UNC5B	cg23622162	rs10400146	T	C	-0.412	0.030	0.185	6.88E-43	0.000	0.003	0.904	0.048	188.364	TRUE	9.85E-42
FEV1FVC	UNC5B	cg23622162	rs10823707	G	T	0.187	0.023	0.464	1.48E-15	0.002	0.002	0.336	0.017	63.627	TRUE	5.09E-15
FEV1FVC	UNC5B	cg23622162	rs12357498	T	C	0.159	0.029	0.197	4.65E-08	0.001	0.003	0.636	0.008	29.841	TRUE	7.19E-08
FEV1FVC	UNC5B	cg23622162	rs13419	G	A	-0.987	0.021	0.273	<1E-200	-0.004	0.003	0.192	0.383	2294.710	TRUE	<1E-200
FEV1FVC	UNC5B	cg23622162	rs16928669	G	A	1.683	0.061	0.033	9.90E-168	0.006	0.007	0.360	0.171	761.581	TRUE	6.61E-155
FEV1FVC	UNC5B	cg23622162	rs2066210	G	A	0.373	0.044	0.151	4.32E-17	0.008	0.003	0.019	0.019	70.587	TRUE	4.93E-16
FEV1FVC	UNC5B	cg23622162	rs2487068	A	G	0.207	0.036	0.119	1.35E-08	-0.001	0.004	0.758	0.009	32.245	TRUE	1.97E-08
FEV1FVC	UNC5B	cg23622162	rs4381296	A	T	-0.212	0.024	0.347	3.29E-18	0.000	0.003	0.931	0.020	75.666	TRUE	6.66E-18
FEV1FVC	UNC5B	cg23622162	rs74147806	G	C	0.612	0.042	0.082	1.03E-48	0.003	0.004	0.524	0.055	215.038	TRUE	5.47E-47
FEV1FVC	UNC5B	cg23622162	rs77618593	T	C	-0.675	0.112	0.024	1.55E-09	-0.005	0.007	0.528	0.010	36.449	TRUE	2.86E-09
FEV1FVC	UNC5B	cg23622162	rs7897039	G	T	-0.187	0.026	0.282	8.46E-13	-0.002	0.003	0.445	0.014	51.144	TRUE	2.11E-12
FEV1FVC	UNC5B	cg23622162	rs809691	A	T	0.162	0.025	0.360	4.69E-11	0.000	0.003	0.948	0.012	43.277	TRUE	6.71E-11
FEV1FVC	UNC5B	cg24839386	rs10823707	G	T	-0.220	0.023	0.464	6.85E-21	0.002	0.002	0.336	0.023	87.862	TRUE	3.55E-20
FEV1FVC	UNC5B	cg24839386	rs12355168	T	A	-0.659	0.042	0.086	4.88E-55	-0.001	0.004	0.737	0.062	244.026	TRUE	3.61E-53
FEV1FVC	UNC5B	cg24839386	rs7895359	A	G	0.175	0.031	0.174	1.64E-08	-0.001	0.003	0.654	0.009	31.863	TRUE	2.57E-08
FEV1FVC	UNC5B	cg26152017	rs10823707	G	T	-0.227	0.023	0.464	2.83E-22	0.002	0.002	0.336	0.025	94.162	TRUE	1.64E-21
FEV1FVC	UNC5B	cg26152017	rs12355168	T	A	-0.671	0.042	0.086	6.95E-57	-0.001	0.004	0.737	0.064	252.490	TRUE	6.46E-55

FEV1FVC	USP10	cg00304695	rs13331387	A	C	-0.787	0.027	0.194	3.32E-184	-0.002	0.003	0.578	0.185	837.315	TRUE	1.45E-169
FEV1FVC	USP10	cg00304695	rs16974449	A	C	0.261	0.024	0.339	1.25E-26	-0.003	0.003	0.270	0.030	114.021	TRUE	1.23E-25
FEV1FVC	USP10	cg00304695	rs55976696	T	A	-0.280	0.024	0.397	9.07E-31	0.001	0.003	0.681	0.035	132.923	TRUE	5.98E-30
FEV1FVC	USP10	cg00304695	rs7192280	A	C	-0.250	0.031	0.162	1.40E-15	0.002	0.003	0.534	0.017	63.735	TRUE	3.74E-15
FEV1FVC	USP10	cg00304695	rs8057721	C	A	0.157	0.024	0.431	4.96E-11	0.001	0.002	0.590	0.012	43.168	TRUE	9.50E-11
FEV1FVC	USP10	cg01211097	rs13331387	A	C	0.572	0.030	0.194	5.81E-79	-0.002	0.003	0.578	0.087	353.774	TRUE	1.92E-75
FEV1FVC	USP10	cg01211097	rs1820246	C	T	-0.189	0.024	0.412	3.96E-15	0.003	0.002	0.154	0.016	61.684	TRUE	1.86E-14
FEV1FVC	USP10	cg01211097	rs7192411	A	C	0.136	0.025	0.344	3.27E-08	0.002	0.003	0.519	0.008	30.526	TRUE	5.63E-08
FEV1FVC	USP10	cg01647942	rs12597526	G	A	-0.146	0.026	0.272	3.26E-08	0.000	0.003	0.873	0.008	30.531	TRUE	4.30E-08
FEV1FVC	USP10	cg01647942	rs55638897	T	G	0.182	0.025	0.319	4.84E-13	-0.006	0.003	0.030	0.014	52.240	TRUE	3.15E-12
FEV1FVC	USP10	cg01647942	rs6564069	T	A	-0.270	0.024	0.385	2.78E-29	-0.001	0.003	0.585	0.033	126.131	TRUE	1.93E-28
FEV1FVC	USP10	cg01647942	rs7197496	G	A	0.430	0.025	0.290	1.28E-64	-0.007	0.003	0.013	0.072	287.953	TRUE	9.93E-61
FEV1FVC	USP10	cg02235941	rs1820246	C	T	-0.195	0.024	0.412	5.14E-16	0.003	0.002	0.154	0.017	65.708	TRUE	2.61E-15
FEV1FVC	USP10	cg02833172	rs11862543	A	G	0.373	0.047	0.064	1.34E-15	-0.007	0.005	0.108	0.017	63.817	TRUE	7.59E-15
FEV1FVC	USP10	cg02833172	rs7202832	T	C	0.275	0.024	0.474	1.60E-31	0.003	0.002	0.178	0.036	136.370	TRUE	3.15E-30
FEV1FVC	USP10	cg02967198	rs11149677	G	C	0.216	0.026	0.258	1.44E-16	-0.004	0.003	0.129	0.018	68.214	TRUE	8.41E-16
FEV1FVC	USP10	cg02967198	rs6564072	G	C	0.191	0.030	0.175	1.15E-10	-0.002	0.003	0.547	0.011	41.526	TRUE	2.25E-10
FEV1FVC	USP10	cg02967198	rs78866288	T	C	0.254	0.043	0.081	2.66E-09	-0.004	0.004	0.325	0.009	35.395	TRUE	5.94E-09
FEV1FVC	USP10	cg02967198	rs8061015	G	A	-0.269	0.044	0.069	1.23E-09	-0.009	0.005	0.053	0.010	36.906	TRUE	4.88E-09
FEV1FVC	USP10	cg04431002	rs11642656	G	A	-0.412	0.024	0.383	2.86E-68	-0.004	0.003	0.076	0.076	304.707	TRUE	1.26E-64
FEV1FVC	USP10	cg04431002	rs193446	A	G	-0.171	0.024	0.493	4.08E-13	-0.002	0.002	0.534	0.014	52.576	TRUE	9.34E-13
FEV1FVC	USP10	cg04431002	rs6564068	C	T	-0.136	0.025	0.338	4.85E-08	0.001	0.003	0.814	0.008	29.760	TRUE	6.66E-08
FEV1FVC	USP10	cg04431002	rs74029976	T	G	-0.397	0.054	0.049	2.57E-13	-0.001	0.006	0.829	0.014	53.482	TRUE	4.50E-13
FEV1FVC	USP10	cg05298510	rs35594082	C	A	-0.173	0.026	0.272	4.12E-11	-0.001	0.003	0.683	0.012	43.530	TRUE	7.28E-11
FEV1FVC	USP10	cg05298510	rs74032918	G	A	-0.472	0.078	0.061	1.75E-09	-0.011	0.005	0.032	0.010	36.217	TRUE	7.76E-09
FEV1FVC	USP10	cg05298510	rs8044259	G	A	0.308	0.024	0.464	7.22E-39	0.004	0.002	0.153	0.044	169.957	TRUE	3.63E-37
FEV1FVC	USP10	cg05468171	rs12929017	G	T	-0.140	0.026	0.309	4.74E-08	0.001	0.003	0.632	0.008	29.802	TRUE	7.37E-08
FEV1FVC	USP10	cg05468171	rs13331387	A	C	0.724	0.030	0.194	4.56E-130	-0.002	0.003	0.578	0.137	588.489	TRUE	4.96E-122
FEV1FVC	USP10	cg05468171	rs16974449	A	C	-0.252	0.024	0.339	6.86E-25	-0.003	0.003	0.270	0.028	106.086	TRUE	5.78E-24
FEV1FVC	USP10	cg05468171	rs57802612	T	C	0.245	0.031	0.162	5.35E-15	0.002	0.003	0.534	0.016	61.095	TRUE	1.38E-14
FEV1FVC	USP10	cg05468171	rs7203065	T	G	0.238	0.024	0.396	1.39E-22	0.001	0.003	0.681	0.025	95.577	TRUE	4.89E-22
FEV1FVC	USP10	cg07647771	rs11149680	T	C	0.537	0.027	0.218	2.83E-87	-0.001	0.003	0.786	0.096	391.931	TRUE	2.29E-83
FEV1FVC	USP10	cg07647771	rs117905384	C	G	-0.633	0.092	0.015	5.90E-12	0.005	0.011	0.673	0.013	47.338	TRUE	1.10E-11
FEV1FVC	USP10	cg07647771	rs12051468	G	A	0.151	0.024	0.435	1.51E-10	0.000	0.002	0.914	0.011	40.997	TRUE	2.17E-10
FEV1FVC	USP10	cg07647771	rs140117492	G	A	-0.716	0.114	0.013	2.90E-10	-0.008	0.010	0.396	0.011	39.717	TRUE	6.40E-10
FEV1FVC	USP10	cg07647771	rs142262771	G	C	-0.632	0.098	0.014	9.63E-11	-0.011	0.009	0.249	0.011	41.872	TRUE	2.65E-10
FEV1FVC	USP10	cg07647771	rs4782660	C	T	-0.285	0.027	0.252	1.58E-26	0.003	0.003	0.325	0.030	113.556	TRUE	1.37E-25
FEV1FVC	USP10	cg07647771	rs4783059	G	T	0.179	0.028	0.212	2.81E-10	0.001	0.003	0.645	0.011	39.778	TRUE	4.93E-10
FEV1FVC	USP10	cg07647771	rs55638897	T	G	-0.276	0.025	0.319	4.13E-28	-0.006	0.003	0.030	0.032	120.780	TRUE	1.36E-26
FEV1FVC	USP10	cg07647771	rs62048813	G	C	-1.187	0.019	0.233	<1E-200	-0.005	0.003	0.102	0.507	3801.918	TRUE	<1E-200
FEV1FVC	USP10	cg07647771	rs7192411	A	C	0.172	0.025	0.344	3.10E-12	0.002	0.003	0.519	0.013	48.598	TRUE	6.79E-12
FEV1FVC	USP10	cg07647771	rs8044808	C	T	0.622	0.031	0.169	3.08E-92	-0.005	0.003	0.105	0.101	414.716	TRUE	8.00E-87

FEV1FVC	USP10	cg07795346	rs7197843	C	T	0.146	0.023	0.442	4.48E-10	-0.005	0.002	0.041	0.010	38.871	TRUE	2.03E-09
FEV1FVC	USP10	cg08126789	rs35307127	C	T	-0.169	0.026	0.270	9.42E-11	-0.001	0.003	0.657	0.011	41.917	TRUE	1.67E-10
FEV1FVC	USP10	cg08991234	rs11645545	A	G	0.233	0.038	0.379	1.28E-09	-0.001	0.003	0.634	0.010	36.820	TRUE	2.19E-09
FEV1FVC	USP10	cg08991234	rs28619515	A	C	0.287	0.031	0.161	3.94E-20	0.002	0.003	0.534	0.022	84.405	TRUE	1.44E-19
FEV1FVC	USP10	cg08991234	rs3764286	C	T	0.298	0.035	0.272	2.31E-17	-0.002	0.003	0.378	0.019	71.824	TRUE	8.38E-17
FEV1FVC	USP10	cg08991234	rs4783099	T	C	0.155	0.024	0.370	2.20E-10	0.004	0.003	0.118	0.011	40.254	TRUE	7.56E-10
FEV1FVC	USP10	cg08991234	rs77083412	T	C	0.732	0.117	0.025	3.58E-10	-0.010	0.008	0.206	0.011	39.307	TRUE	1.01E-09
FEV1FVC	USP10	cg08991234	rs774302	C	T	0.544	0.037	0.216	3.43E-49	0.001	0.003	0.680	0.055	217.228	TRUE	1.42E-47
FEV1FVC	USP10	cg08991234	rs774318	A	G	0.135	0.023	0.479	9.30E-09	-0.002	0.002	0.401	0.009	32.965	TRUE	1.84E-08
FEV1FVC	USP10	cg09565226	rs12929017	G	T	0.145	0.026	0.309	1.41E-08	0.001	0.003	0.632	0.009	32.160	TRUE	2.25E-08
FEV1FVC	USP10	cg09565226	rs4783059	G	T	-0.209	0.028	0.212	1.46E-13	0.001	0.003	0.645	0.015	54.597	TRUE	3.07E-13
FEV1FVC	USP10	cg09565226	rs78729263	C	G	-0.334	0.041	0.097	3.60E-16	-0.003	0.004	0.529	0.018	66.409	TRUE	1.01E-15
FEV1FVC	USP10	cg09565226	rs8052070	T	C	0.440	0.024	0.410	6.01E-78	0.003	0.002	0.160	0.086	349.114	TRUE	7.44E-74
FEV1FVC	USP10	cg09565226	rs8060725	A	C	-0.164	0.027	0.262	7.15E-10	-0.005	0.003	0.072	0.010	37.959	TRUE	2.72E-09
FEV1FVC	USP10	cg26562921	rs11644667	G	C	-0.159	0.025	0.320	2.73E-10	-0.006	0.003	0.027	0.011	39.840	TRUE	1.35E-09
FEV1FVC	USP10	cg26562921	rs2326396	C	T	-0.164	0.026	0.283	2.11E-10	0.001	0.003	0.642	0.011	40.343	TRUE	3.75E-10
FEV1FVC	USP10	cg26562921	rs28540747	A	G	-0.157	0.027	0.253	6.04E-09	-0.004	0.003	0.125	0.009	33.803	TRUE	1.76E-08
FEV1FVC	USP10	cg26562921	rs35307127	C	T	-0.170	0.026	0.270	1.02E-10	-0.001	0.003	0.657	0.011	41.765	TRUE	1.80E-10
FEV1FVC	USP10	cg26562921	rs62048855	T	C	0.395	0.024	0.412	6.88E-62	0.004	0.002	0.148	0.069	275.438	TRUE	6.99E-59
FEV1FVC	USP36	cg00945209	rs111356746	G	T	-0.275	0.046	0.067	3.10E-09	0.007	0.005	0.130	0.009	35.100	TRUE	9.32E-09
FEV1FVC	USP36	cg00945209	rs34099527	C	G	-0.399	0.051	0.056	6.11E-15	-0.014	0.005	0.004	0.016	60.834	TRUE	8.50E-14
FEV1FVC	USP36	cg00945209	rs3744800	G	A	-0.314	0.024	0.435	2.69E-40	0.004	0.002	0.080	0.046	176.498	TRUE	2.29E-38
FEV1FVC	USP36	cg00945209	rs62075637	C	G	0.167	0.030	0.185	2.61E-08	-0.006	0.003	0.046	0.008	30.958	TRUE	9.37E-08
FEV1FVC	USP36	cg00945209	rs7502935	A	G	0.161	0.026	0.318	3.40E-10	0.002	0.003	0.528	0.011	39.407	TRUE	6.49E-10
FEV1FVC	USP36	cg01449677	rs3744799	T	C	-0.184	0.023	0.434	3.45E-15	0.004	0.002	0.071	0.016	61.958	TRUE	2.22E-14
FEV1FVC	USP36	cg05380734	rs11077400	G	A	0.258	0.028	0.231	1.52E-20	-0.014	0.003	2.08E-06	0.023	86.292	TRUE	2.05E-18
FEV1FVC	USP36	cg05380734	rs12453433	A	G	-0.155	0.025	0.340	4.78E-10	-0.001	0.003	0.716	0.010	38.746	TRUE	7.75E-10
FEV1FVC	USP36	cg05380734	rs147280325	A	G	0.736	0.115	0.011	1.46E-10	-0.020	0.012	0.084	0.011	41.058	TRUE	5.64E-10
FEV1FVC	USP36	cg05380734	rs2054624	T	C	-0.221	0.031	0.194	5.90E-13	0.009	0.003	0.004	0.014	51.851	TRUE	6.32E-12
FEV1FVC	USP36	cg05380734	rs35273233	A	G	0.521	0.030	0.182	2.44E-68	-0.008	0.003	0.007	0.076	305.026	TRUE	4.83E-64
FEV1FVC	USP36	cg05380734	rs7221314	G	A	-0.236	0.025	0.308	5.85E-21	0.002	0.003	0.557	0.023	88.173	TRUE	2.17E-20
FEV1FVC	USP36	cg06146665	rs10852713	G	A	-0.308	0.023	0.499	1.76E-39	0.006	0.002	0.020	0.045	172.766	TRUE	2.78E-37
FEV1FVC	USP36	cg06146665	rs112214887	G	A	0.473	0.030	0.194	9.86E-58	-0.009	0.003	0.002	0.065	256.378	TRUE	6.69E-54
FEV1FVC	USP36	cg06146665	rs113712972	A	G	-0.512	0.065	0.036	3.85E-15	0.003	0.006	0.663	0.016	61.741	TRUE	8.72E-15
FEV1FVC	USP36	cg06146665	rs11652571	T	G	-0.176	0.029	0.211	1.31E-09	0.004	0.003	0.191	0.010	36.779	TRUE	3.62E-09
FEV1FVC	USP36	cg06146665	rs117389925	A	G	-0.550	0.076	0.025	3.78E-13	0.015	0.008	0.048	0.014	52.727	TRUE	2.20E-12
FEV1FVC	USP36	cg06146665	rs147280325	A	G	1.009	0.115	0.011	1.23E-18	-0.020	0.012	0.084	0.021	77.607	TRUE	1.02E-17
FEV1FVC	USP36	cg06146665	rs150762586	T	C	-0.833	0.103	0.015	6.35E-16	-0.007	0.011	0.542	0.017	65.289	TRUE	1.71E-15
FEV1FVC	USP36	cg06146665	rs2054624	T	C	-0.817	0.029	0.194	1.71E-171	0.009	0.003	0.004	0.174	778.880	TRUE	5.76E-156
FEV1FVC	USP36	cg06146665	rs57556322	G	A	-0.154	0.028	0.237	2.15E-08	0.002	0.003	0.602	0.008	31.340	TRUE	3.53E-08
FEV1FVC	USP36	cg06146665	rs71385991	C	T	-0.755	0.074	0.022	1.45E-24	-0.009	0.008	0.256	0.028	104.608	TRUE	1.22E-23
FEV1FVC	USP36	cg06146665	rs72849504	T	C	0.330	0.046	0.165	1.26E-12	0.000	0.003	0.910	0.013	50.357	TRUE	1.99E-12

FEV1FVC	USP36	cg06146665	rs931226	T	C	0.306	0.055	0.050	2.01E-08	0.001	0.006	0.888	0.008	31.464	TRUE	2.68E-08
FEV1FVC	USP36	cg06146665	rs9912418	C	T	0.208	0.024	0.385	7.13E-18	0.000	0.003	0.986	0.020	74.139	TRUE	1.33E-17
FEV1FVC	USP36	cg07385573	rs3744802	G	A	-0.302	0.023	0.461	2.43E-38	0.003	0.002	0.177	0.043	167.546	TRUE	9.87E-37
FEV1FVC	USP36	cg07385573	rs58951893	G	A	0.179	0.028	0.214	2.52E-10	-0.010	0.003	0.001	0.011	39.997	TRUE	2.38E-09
FEV1FVC	USP36	cg07385573	rs7502935	A	G	0.147	0.026	0.318	8.87E-09	0.002	0.003	0.528	0.009	33.056	TRUE	1.56E-08
FEV1FVC	USP36	cg10256330	rs11077397	C	T	-0.365	0.023	0.488	9.63E-56	0.005	0.002	0.030	0.063	247.255	TRUE	1.15E-52
FEV1FVC	USP36	cg10256330	rs111356746	G	T	-0.290	0.046	0.067	3.97E-10	0.007	0.005	0.130	0.010	39.108	TRUE	1.29E-09
FEV1FVC	USP36	cg10256330	rs12952382	G	T	-0.182	0.024	0.384	1.05E-13	0.004	0.003	0.130	0.015	55.250	TRUE	4.55E-13
FEV1FVC	USP36	cg10256330	rs2003241	C	T	-0.276	0.042	0.083	4.99E-11	-0.003	0.004	0.562	0.012	43.158	TRUE	9.79E-11
FEV1FVC	USP36	cg10256330	rs34695023	T	A	-0.349	0.051	0.056	7.25E-12	-0.015	0.005	0.003	0.013	46.934	TRUE	7.08E-11
FEV1FVC	USP36	cg15465367	rs12604076	T	C	0.423	0.023	0.485	6.36E-76	0.005	0.002	0.023	0.084	339.822	TRUE	2.33E-71
FEV1FVC	USP36	cg15465367	rs12949048	A	G	-0.162	0.025	0.339	9.12E-11	0.003	0.003	0.187	0.011	41.979	TRUE	2.86E-10
FEV1FVC	USP36	cg15465367	rs55666909	C	G	0.329	0.047	0.075	1.72E-12	0.011	0.005	0.015	0.013	49.755	TRUE	1.25E-11
FEV1FVC	USP36	cg17278466	rs12604076	T	C	0.357	0.023	0.485	6.30E-54	0.005	0.002	0.023	0.061	238.934	TRUE	6.49E-51
FEV1FVC	USP36	cg17278466	rs12948478	G	A	-0.141	0.025	0.347	1.33E-08	0.001	0.003	0.728	0.009	32.275	TRUE	2.00E-08
FEV1FVC	USP36	cg17910470	rs2003241	C	T	0.244	0.042	0.083	6.34E-09	-0.003	0.004	0.562	0.009	33.709	TRUE	1.10E-08
FEV1FVC	USP36	cg17910470	rs4796817	T	C	0.325	0.038	0.216	2.03E-17	-0.004	0.003	0.148	0.019	72.073	TRUE	1.18E-16
FEV1FVC	USP36	cg17910470	rs55925734	T	C	-0.171	0.031	0.183	3.23E-08	0.011	0.003	4.29E-04	0.008	30.545	TRUE	2.45E-07
FEV1FVC	USP36	cg19024575	rs9900681	A	C	-0.146	0.023	0.462	4.69E-10	0.007	0.002	0.007	0.010	38.780	TRUE	3.07E-09
FEV1FVC	USP36	cg20126656	rs111356746	G	T	-0.333	0.046	0.067	6.70E-13	0.007	0.005	0.130	0.014	51.603	TRUE	2.78E-12
FEV1FVC	USP36	cg20126656	rs3088040	T	C	-0.410	0.023	0.461	1.22E-69	0.006	0.002	0.012	0.078	310.999	TRUE	2.42E-65
FEV1FVC	USP36	cg20126656	rs34099527	C	G	-0.421	0.051	0.056	1.92E-16	-0.014	0.005	0.004	0.018	67.651	TRUE	3.22E-15
FEV1FVC	USP36	cg20126656	rs7502935	A	G	0.174	0.026	0.318	1.21E-11	0.002	0.003	0.528	0.012	45.924	TRUE	2.52E-11
FEV1FVC	USP36	cg20126656	rs931226	T	C	-0.334	0.054	0.050	8.98E-10	0.001	0.006	0.888	0.010	37.515	TRUE	1.26E-09
FEV1FVC	USP36	cg21840211	rs2376827	C	T	-0.177	0.032	0.160	2.39E-08	0.004	0.003	0.246	0.008	31.130	TRUE	5.48E-08
FEV1FVC	USP36	cg23797032	rs3744801	G	A	-0.145	0.023	0.437	6.77E-10	0.004	0.002	0.086	0.010	38.064	TRUE	2.48E-09
FEV1FVC	USP36	cg23834688	rs11077399	A	G	0.163	0.026	0.297	1.60E-10	-0.012	0.003	1.38E-05	0.011	40.881	TRUE	2.84E-09
FEV1FVC	USP36	cg23834688	rs111356746	G	T	0.285	0.046	0.067	7.22E-10	0.007	0.005	0.130	0.010	37.940	TRUE	2.29E-09
FEV1FVC	USP36	cg23834688	rs11650046	C	A	0.522	0.023	0.487	6.12E-117	0.005	0.002	0.032	0.125	528.174	TRUE	8.73E-109
FEV1FVC	USP36	cg23834688	rs12453433	A	G	-0.181	0.025	0.340	2.99E-13	-0.001	0.003	0.716	0.014	53.187	TRUE	5.73E-13
FEV1FVC	USP36	cg23834688	rs12952382	G	T	0.183	0.024	0.384	6.26E-14	0.004	0.003	0.130	0.015	56.256	TRUE	2.78E-13
FEV1FVC	USP36	cg23834688	rs35768823	A	G	0.353	0.062	0.043	1.11E-08	-0.013	0.006	0.023	0.009	32.624	TRUE	4.84E-08
FEV1FVC	USP36	cg23834688	rs55666909	C	G	0.318	0.047	0.075	9.68E-12	0.011	0.005	0.015	0.012	46.367	TRUE	6.48E-11
FEV1FVC	USP36	cg24759654	rs2279308	A	G	-0.209	0.024	0.435	1.20E-18	0.004	0.002	0.069	0.021	77.652	TRUE	1.09E-17
FEV1FVC	USP36	cg27578381	rs11077400	G	A	0.212	0.028	0.231	2.77E-14	-0.014	0.003	2.08E-06	0.015	57.857	TRUE	1.29E-12
FEV1FVC	USP36	cg27578381	rs113048877	C	G	-0.219	0.027	0.276	1.76E-16	0.011	0.003	1.01E-04	0.018	67.823	TRUE	6.39E-15
FEV1FVC	USP36	cg27578381	rs12949048	A	G	-0.196	0.025	0.339	4.65E-15	0.003	0.003	0.187	0.016	61.372	TRUE	2.08E-14
FEV1FVC	USP36	cg27578381	rs62075631	T	C	0.717	0.029	0.184	3.25E-133	-0.009	0.003	0.005	0.140	602.950	TRUE	1.14E-122
FEV1FVC	UVRAG	cg00223767	rs113530402	G	C	-0.777	0.069	0.027	1.94E-29	0.010	0.007	0.180	0.033	126.844	TRUE	3.17E-28
FEV1FVC	UVRAG	cg02337499	rs7118567	A	C	-0.612	0.039	0.094	2.24E-54	-0.013	0.004	0.003	0.061	240.990	TRUE	7.05E-51
FEV1FVC	UVRAG	cg04598420	rs10793130	A	G	0.305	0.040	0.094	3.09E-14	-0.010	0.004	0.019	0.015	57.647	TRUE	2.56E-13
FEV1FVC	UVRAG	cg04598420	rs12785513	G	A	-0.253	0.030	0.196	4.70E-17	-0.001	0.003	0.834	0.019	70.420	TRUE	9.80E-17

FEV1FVC	UVRAG	cg05343689	rs2371371	T	C	-0.721	0.072	0.027	1.32E-23	-0.017	0.007	0.013	0.026	100.235	TRUE	3.59E-22
FEV1FVC	UVRAG	cg05343689	rs78696074	C	T	-0.314	0.057	0.039	4.85E-08	-0.006	0.006	0.332	0.008	29.762	TRUE	9.91E-08
FEV1FVC	UVRAG	cg13641591	rs12785513	G	A	-0.219	0.030	0.196	4.01E-13	-0.001	0.003	0.834	0.014	52.611	TRUE	6.79E-13
FEV1FVC	UVRAG	cg13641591	rs575976	G	A	0.164	0.030	0.189	3.55E-08	-0.002	0.003	0.597	0.008	30.362	TRUE	5.72E-08
FEV1FVC	UVRAG	cg13641591	rs7118567	A	C	0.589	0.040	0.094	8.65E-49	-0.013	0.004	0.003	0.055	215.387	TRUE	1.15E-45
FEV1FVC	VAMP8	cg05486094	rs62165899	T	C	-0.346	0.034	0.129	3.33E-24	-0.009	0.004	0.011	0.027	102.956	TRUE	1.04E-22
FEV1FVC	VAMP8	cg08379897	rs2232748	C	G	0.169	0.025	0.351	8.42E-12	0.001	0.003	0.720	0.012	46.640	TRUE	1.49E-11
FEV1FVC	VAMP8	cg08379897	rs28479378	T	C	0.425	0.034	0.132	5.35E-36	-0.008	0.004	0.022	0.041	156.827	TRUE	5.11E-34
FEV1FVC	VAMP8	cg10632773	rs10196357	A	T	-0.914	0.033	0.129	6.79E-172	-0.009	0.004	0.011	0.174	780.720	TRUE	1.07E-156
FEV1FVC	VAMP8	cg10632773	rs13414113	G	A	0.175	0.024	0.423	8.48E-14	0.004	0.002	0.123	0.015	55.660	TRUE	3.89E-13
FEV1FVC	VAMP8	cg10632773	rs139922251	A	C	-0.400	0.056	0.051	1.25E-12	-0.001	0.005	0.857	0.013	50.383	TRUE	2.03E-12
FEV1FVC	VAMP8	cg10632773	rs184681180	G	A	-0.907	0.118	0.011	1.34E-14	0.002	0.012	0.881	0.016	59.290	TRUE	2.36E-14
FEV1FVC	VAMP8	cg10632773	rs3024798	T	G	0.135	0.024	0.368	2.39E-08	-0.003	0.003	0.184	0.008	31.129	TRUE	6.00E-08
FEV1FVC	VAMP8	cg10632773	rs35804525	C	T	-0.277	0.029	0.177	5.11E-21	0.001	0.003	0.854	0.023	88.443	TRUE	1.35E-20
FEV1FVC	VAMP8	cg10632773	rs6547629	T	A	-0.214	0.025	0.348	3.15E-18	0.000	0.003	0.952	0.020	75.750	TRUE	6.39E-18
FEV1FVC	VAMP8	cg10632773	rs7589663	T	C	-0.363	0.036	0.132	2.94E-24	-0.001	0.004	0.741	0.027	103.201	TRUE	1.11E-23
FEV1FVC	VAMP8	cg18892132	rs13406611	A	G	-0.510	0.033	0.132	8.46E-53	-0.008	0.004	0.022	0.059	233.762	TRUE	7.70E-50
FEV1FVC	VAMP8	cg18892132	rs62164837	T	C	0.181	0.025	0.320	1.84E-13	0.003	0.003	0.192	0.014	54.142	TRUE	6.95E-13
FEV1FVC	VAMP8	cg18892132	rs7355282	C	T	-0.180	0.029	0.182	6.18E-10	0.001	0.003	0.861	0.010	38.242	TRUE	8.99E-10
FEV1FVC	VAMP8	cg20056908	rs112058316	C	T	-0.589	0.089	0.017	4.26E-11	-0.004	0.009	0.704	0.012	43.468	TRUE	7.40E-11
FEV1FVC	VAMP8	cg20056908	rs116298919	T	C	-0.804	0.095	0.017	2.99E-17	-0.006	0.010	0.570	0.019	71.314	TRUE	8.54E-17
FEV1FVC	VAMP8	cg20056908	rs11890975	A	T	-0.256	0.030	0.188	4.68E-18	0.002	0.003	0.600	0.020	74.970	TRUE	1.37E-17
FEV1FVC	VAMP8	cg20056908	rs12463933	G	A	-0.381	0.025	0.325	4.35E-53	0.000	0.003	0.958	0.060	235.086	TRUE	1.64E-51
FEV1FVC	VAMP8	cg20056908	rs1254900	A	G	0.338	0.029	0.210	1.60E-30	-0.005	0.003	0.104	0.034	131.794	TRUE	3.81E-29
FEV1FVC	VAMP8	cg20056908	rs13394092	C	T	-0.821	0.029	0.171	4.62E-173	-0.007	0.003	0.039	0.175	786.085	TRUE	2.97E-158
FEV1FVC	VAMP8	cg20056908	rs17026339	G	C	-0.247	0.031	0.176	3.59E-15	-0.004	0.003	0.213	0.016	61.878	TRUE	1.51E-14
FEV1FVC	VAMP8	cg20056908	rs184681180	G	A	-0.688	0.118	0.011	5.68E-09	0.002	0.012	0.881	0.009	33.923	TRUE	7.75E-09
FEV1FVC	VAMP8	cg20056908	rs4286278	T	C	0.265	0.026	0.266	4.24E-24	0.002	0.003	0.374	0.027	102.479	TRUE	2.67E-23
FEV1FVC	VAMP8	cg20056908	rs75830997	T	G	-0.702	0.069	0.027	1.28E-24	0.000	0.007	0.957	0.028	104.856	TRUE	3.72E-24
FEV1FVC	VAMP8	cg23752985	rs10779966	T	C	-0.231	0.028	0.259	1.36E-16	-0.008	0.003	0.005	0.018	68.323	TRUE	2.05E-15
FEV1FVC	VAMP8	cg23752985	rs1109707	C	G	-0.306	0.041	0.088	1.29E-13	0.009	0.004	0.024	0.015	54.835	TRUE	9.52E-13
FEV1FVC	VAMP8	cg23752985	rs11311	T	C	0.223	0.037	0.110	1.15E-09	0.006	0.004	0.097	0.010	37.024	TRUE	3.87E-09
FEV1FVC	VAMP8	cg23752985	rs114810648	A	G	0.431	0.052	0.050	6.42E-17	0.002	0.005	0.750	0.019	69.806	TRUE	1.48E-16
FEV1FVC	VAMP8	cg23752985	rs115051156	T	C	0.437	0.068	0.026	1.47E-10	0.006	0.007	0.370	0.011	41.051	TRUE	3.39E-10
FEV1FVC	VAMP8	cg23752985	rs11688432	A	G	-0.204	0.024	0.396	1.35E-17	0.005	0.002	0.037	0.019	72.875	TRUE	1.39E-16
FEV1FVC	VAMP8	cg23752985	rs11694208	A	G	-0.434	0.038	0.096	2.51E-30	0.002	0.004	0.644	0.034	130.903	TRUE	1.71E-29
FEV1FVC	VAMP8	cg23752985	rs11695312	T	C	0.378	0.033	0.140	4.75E-31	0.002	0.003	0.630	0.035	134.206	TRUE	3.46E-30
FEV1FVC	VAMP8	cg23752985	rs13411109	G	A	0.801	0.020	0.425	<1E-200	0.000	0.002	0.941	0.295	1546.701	TRUE	8.86E-297
FEV1FVC	VAMP8	cg23752985	rs1811783	G	A	-0.225	0.024	0.369	3.36E-20	-0.005	0.003	0.037	0.022	84.721	TRUE	4.37E-19
FEV1FVC	VAMP8	cg23752985	rs1814414	A	G	0.183	0.028	0.234	5.18E-11	-0.001	0.003	0.731	0.012	43.085	TRUE	8.81E-11
FEV1FVC	VAMP8	cg23752985	rs60250855	A	G	-0.162	0.027	0.262	1.44E-09	0.003	0.003	0.244	0.010	36.590	TRUE	3.70E-09
FEV1FVC	VAMP8	cg23752985	rs62165906	T	C	0.528	0.041	0.088	8.22E-39	-0.009	0.004	0.027	0.044	169.699	TRUE	1.04E-36

FEV1FVC	VAMP8	cg23752985	rs6741368	A	G	0.160	0.027	0.245	5.67E-09	0.005	0.003	0.088	0.009	33.928	TRUE	1.83E-08
FEV1FVC	VAMP8	cg23752985	rs72844443	T	C	-0.378	0.049	0.074	1.30E-14	0.001	0.005	0.767	0.016	59.351	TRUE	2.55E-14
FEV1FVC	VAMP8	cg23752985	rs73943091	A	G	0.245	0.036	0.119	1.26E-11	0.001	0.004	0.696	0.012	45.848	TRUE	2.26E-11
FEV1FVC	VAMP8	cg23752985	rs74418956	A	C	0.311	0.050	0.057	5.30E-10	0.003	0.005	0.561	0.010	38.542	TRUE	9.78E-10
FEV1FVC	VAMP8	cg23752985	rs78310123	A	G	-0.483	0.045	0.067	1.65E-26	0.003	0.004	0.535	0.030	113.469	TRUE	9.64E-26
FEV1FVC	VAMP8	cg23752985	rs78359313	A	G	0.470	0.079	0.023	3.26E-09	0.002	0.007	0.817	0.009	35.002	TRUE	4.71E-09
FEV1FVC	VGLL4	cg02131130	rs2606741	G	A	0.278	0.028	0.223	1.36E-23	0.012	0.003	2.44E-05	0.026	100.175	TRUE	1.83E-21
FEV1FVC	WAC	cg04045419	rs10826476	G	T	-0.187	0.025	0.298	5.15E-14	-0.009	0.003	2.88E-04	0.015	56.641	TRUE	1.04E-12
FEV1FVC	WAC	cg04045419	rs10826497	A	G	-0.161	0.027	0.255	1.25E-09	0.006	0.003	0.040	0.010	36.867	TRUE	5.39E-09
FEV1FVC	WAC	cg04045419	rs12246494	C	T	-0.166	0.023	0.476	7.18E-13	-0.001	0.002	0.814	0.014	51.468	TRUE	1.25E-12
FEV1FVC	WAC	cg04045419	rs61848533	A	C	-0.168	0.027	0.255	2.73E-10	-0.004	0.003	0.145	0.011	39.841	TRUE	8.84E-10
FEV1FVC	WAC	cg04045419	rs6481534	T	C	0.606	0.025	0.278	1.73E-128	0.002	0.003	0.564	0.136	581.228	TRUE	1.32E-120
FEV1FVC	WAC	cg05797732	rs11597279	G	T	-0.169	0.026	0.276	1.27E-10	0.002	0.003	0.564	0.011	41.328	TRUE	2.43E-10
FEV1FVC	WAC	cg24792245	rs11007134	C	T	-0.271	0.027	0.235	4.51E-23	-0.002	0.003	0.572	0.026	97.798	TRUE	1.94E-22
FEV1FVC	WAC	cg24792245	rs2998286	T	C	0.385	0.027	0.230	3.04E-45	0.006	0.003	0.026	0.051	199.142	TRUE	9.26E-43
FEV1FVC	WAC	cg24792245	rs7070703	C	T	-0.148	0.023	0.470	1.36E-10	0.002	0.002	0.342	0.011	41.205	TRUE	3.27E-10
FEV1FVC	WAC	cg25656514	rs332135	G	A	-0.193	0.029	0.196	1.38E-11	-0.006	0.003	0.057	0.012	45.666	TRUE	6.71E-11
FEV1FVC	WDR41	cg02017109	rs72769030	A	G	0.502	0.058	0.039	5.52E-18	-0.012	0.006	0.050	0.020	74.645	TRUE	5.13E-17
FEV1FVC	WDR41	cg02017109	rs9687030	G	A	-0.169	0.024	0.451	7.88E-13	0.004	0.002	0.071	0.014	51.283	TRUE	3.93E-12
FEV1FVC	WDR41	cg12888834	rs163037	A	G	0.158	0.023	0.460	1.98E-11	-0.010	0.002	2.01E-05	0.012	44.971	TRUE	4.00E-10
FEV1FVC	WDR41	cg14666655	rs251427	G	T	0.154	0.027	0.237	1.01E-08	-0.009	0.003	0.002	0.009	32.810	TRUE	6.72E-08
FEV1FVC	WDR41	cg26820915	rs10063453	G	T	0.395	0.041	0.090	1.51E-21	0.001	0.004	0.792	0.024	90.854	TRUE	4.33E-21
FEV1FVC	WDR41	cg26820915	rs11959854	T	C	-0.424	0.030	0.188	3.03E-44	0.006	0.003	0.050	0.050	194.575	TRUE	5.57E-42
FEV1FVC	WDR41	cg26820915	rs143416941	A	G	-0.459	0.083	0.021	3.77E-08	0.005	0.009	0.553	0.008	30.249	TRUE	6.29E-08
FEV1FVC	WDR41	cg26820915	rs1460048	C	G	-0.347	0.028	0.235	5.51E-36	-0.001	0.003	0.668	0.041	156.770	TRUE	5.93E-35
FEV1FVC	WDR41	cg26820915	rs2359797	G	A	0.463	0.027	0.227	1.60E-65	-0.007	0.003	0.009	0.073	292.107	TRUE	1.85E-61
FEV1FVC	WDR41	cg26820915	rs34214160	A	G	0.537	0.052	0.056	2.83E-25	0.011	0.005	0.031	0.028	107.839	TRUE	6.96E-24
FEV1FVC	WDR41	cg26820915	rs374003	G	A	-0.342	0.031	0.172	3.77E-28	0.004	0.003	0.250	0.032	120.961	TRUE	4.29E-27
FEV1FVC	WDR41	cg26820915	rs40594	A	G	0.904	0.018	0.497	<1E-200	-0.009	0.002	1.58E-04	0.404	2509.024	TRUE	<1E-200
FEV1FVC	WDR41	cg26820915	rs437817	T	A	0.586	0.048	0.063	1.39E-34	-0.010	0.005	0.046	0.039	150.355	TRUE	8.12E-33
FEV1FVC	WDR41	cg26820915	rs72766920	T	C	0.512	0.077	0.025	2.63E-11	0.012	0.007	0.091	0.012	44.407	TRUE	1.06E-10
FEV1FVC	WDR41	cg26820915	rs72769090	C	T	-0.459	0.066	0.032	4.34E-12	0.024	0.007	9.64E-04	0.013	47.938	TRUE	5.34E-11
FEV1FVC	WDR41	cg26820915	rs989759	G	C	-0.182	0.024	0.351	1.17E-13	0.004	0.003	0.082	0.015	55.031	TRUE	6.00E-13
FEV1FVC	WIPI2	cg00393985	rs10081294	G	A	0.271	0.024	0.402	9.14E-30	0.003	0.002	0.171	0.034	128.337	TRUE	1.65E-28
FEV1FVC	WIPI2	cg00393985	rs11761408	C	A	0.876	0.026	0.226	2.10E-249	0.006	0.003	0.044	0.235	1137.095	TRUE	1.09E-222
FEV1FVC	WIPI2	cg00393985	rs118073321	T	G	0.514	0.071	0.028	4.08E-13	0.011	0.007	0.102	0.014	52.578	TRUE	1.89E-12
FEV1FVC	WIPI2	cg00393985	rs144966332	A	G	0.798	0.058	0.035	1.54E-42	0.004	0.007	0.504	0.048	186.754	TRUE	4.23E-41
FEV1FVC	WIPI2	cg00393985	rs147041046	A	C	0.460	0.071	0.030	7.30E-11	0.004	0.007	0.581	0.011	42.414	TRUE	1.39E-10
FEV1FVC	WIPI2	cg00393985	rs28619195	T	C	-0.499	0.069	0.033	3.77E-13	0.004	0.007	0.533	0.014	52.729	TRUE	8.62E-13
FEV1FVC	WIPI2	cg00393985	rs4236384	C	T	0.358	0.032	0.168	1.04E-28	-0.001	0.003	0.695	0.032	123.522	TRUE	5.82E-28
FEV1FVC	WIPI2	cg00393985	rs4257935	C	A	-0.159	0.024	0.355	7.55E-11	0.000	0.003	0.991	0.011	42.349	TRUE	1.02E-10
FEV1FVC	WIPI2	cg00393985	rs4339542	G	A	-0.261	0.047	0.061	2.78E-08	-0.005	0.005	0.249	0.008	30.842	TRUE	6.26E-08

FEV1FVC	WIPI2	cg00393985	rs58708878	T	C	0.154	0.025	0.321	5.34E-10	-0.001	0.003	0.777	0.010	38.527	TRUE	8.19E-10
FEV1FVC	WIPI2	cg00393985	rs62441954	T	C	-0.569	0.029	0.218	3.60E-88	-0.004	0.003	0.170	0.097	396.040	TRUE	2.61E-83
FEV1FVC	WIPI2	cg00393985	rs6463369	G	A	0.198	0.024	0.376	3.47E-16	0.003	0.003	0.162	0.018	66.479	TRUE	1.71E-15
FEV1FVC	WIPI2	cg00393985	rs6949942	T	C	0.667	0.033	0.139	2.50E-93	0.000	0.003	0.903	0.102	419.723	TRUE	4.33E-89
FEV1FVC	WIPI2	cg00393985	rs6958550	T	G	-0.134	0.024	0.467	1.22E-08	0.000	0.002	0.978	0.009	32.441	TRUE	1.54E-08
FEV1FVC	WIPI2	cg00393985	rs6976902	T	G	0.500	0.058	0.046	5.04E-18	-0.007	0.006	0.229	0.020	74.823	TRUE	2.56E-17
FEV1FVC	WIPI2	cg00393985	rs73042232	G	T	0.211	0.026	0.300	2.52E-16	0.001	0.003	0.806	0.018	67.107	TRUE	5.20E-16
FEV1FVC	WIPI2	cg00393985	rs73048017	C	T	-0.439	0.029	0.195	9.97E-52	-0.002	0.003	0.549	0.058	228.852	TRUE	7.39E-50
FEV1FVC	WIPI2	cg00393985	rs74952796	G	C	-0.366	0.063	0.034	7.92E-09	-0.006	0.006	0.362	0.009	33.276	TRUE	1.64E-08
FEV1FVC	WIPI2	cg00393985	rs78435810	G	C	0.632	0.079	0.022	1.07E-15	0.005	0.007	0.456	0.017	64.260	TRUE	3.15E-15
FEV1FVC	WIPI2	cg00579868	rs10081294	G	A	0.264	0.024	0.402	2.38E-28	0.003	0.002	0.171	0.032	121.872	TRUE	3.74E-27
FEV1FVC	WIPI2	cg00579868	rs11761408	C	A	0.808	0.026	0.226	1.01E-206	0.006	0.003	0.044	0.203	940.841	TRUE	4.02E-187
FEV1FVC	WIPI2	cg00579868	rs13221361	T	C	0.360	0.034	0.128	6.05E-26	-0.001	0.003	0.801	0.029	110.897	TRUE	2.31E-25
FEV1FVC	WIPI2	cg00579868	rs144966332	A	G	0.850	0.058	0.035	3.45E-48	0.004	0.007	0.504	0.054	212.638	TRUE	1.77E-46
FEV1FVC	WIPI2	cg00579868	rs34185494	T	C	-0.400	0.024	0.421	1.76E-64	-0.001	0.002	0.644	0.072	287.323	TRUE	5.38E-62
FEV1FVC	WIPI2	cg00579868	rs4236384	C	T	0.272	0.032	0.168	3.33E-17	-0.001	0.003	0.695	0.019	71.100	TRUE	8.31E-17
FEV1FVC	WIPI2	cg00579868	rs4339542	G	A	-0.256	0.047	0.061	4.72E-08	-0.005	0.005	0.249	0.008	29.814	TRUE	1.05E-07
FEV1FVC	WIPI2	cg00579868	rs62441943	C	A	-0.422	0.052	0.106	4.05E-16	-0.003	0.004	0.389	0.018	66.174	TRUE	1.33E-15
FEV1FVC	WIPI2	cg00579868	rs6463369	G	A	0.171	0.024	0.376	1.57E-12	0.003	0.003	0.162	0.013	49.938	TRUE	5.68E-12
FEV1FVC	WIPI2	cg00579868	rs6976902	T	G	0.333	0.058	0.046	9.22E-09	-0.007	0.006	0.229	0.009	32.982	TRUE	2.24E-08
FEV1FVC	WIPI2	cg00579868	rs73048069	A	G	-0.233	0.027	0.259	8.02E-18	0.000	0.003	0.961	0.020	73.908	TRUE	1.53E-17
FEV1FVC	WIPI2	cg00579868	rs74952796	G	C	-0.347	0.063	0.034	4.55E-08	-0.006	0.006	0.362	0.008	29.884	TRUE	8.94E-08
FEV1FVC	WIPI2	cg00703902	rs62441068	T	C	0.324	0.026	0.289	6.32E-35	-0.003	0.003	0.284	0.039	151.921	TRUE	1.32E-33
FEV1FVC	WIPI2	cg01683969	rs10951837	A	C	-0.290	0.024	0.363	1.79E-33	-0.003	0.003	0.204	0.038	145.280	TRUE	3.88E-32
FEV1FVC	WIPI2	cg01683969	rs61978641	T	C	0.315	0.042	0.256	1.18E-13	0.000	0.003	0.988	0.015	55.014	TRUE	1.79E-13
FEV1FVC	WIPI2	cg02665297	rs11761408	C	A	0.287	0.028	0.226	6.40E-25	0.006	0.003	0.044	0.028	106.223	TRUE	1.23E-23
FEV1FVC	WIPI2	cg02665297	rs13227919	A	G	0.229	0.033	0.145	2.10E-12	0.000	0.003	0.909	0.013	49.363	TRUE	3.27E-12
FEV1FVC	WIPI2	cg02665297	rs4720538	G	T	-0.161	0.029	0.200	4.12E-08	-0.002	0.003	0.532	0.008	30.074	TRUE	6.99E-08
FEV1FVC	WIPI2	cg02665297	rs62441954	T	C	-0.224	0.029	0.218	1.65E-14	-0.004	0.003	0.170	0.016	58.882	TRUE	7.15E-14
FEV1FVC	WIPI2	cg02667577	rs11761408	C	A	0.365	0.028	0.226	1.92E-39	0.006	0.003	0.044	0.045	172.588	TRUE	1.92E-37
FEV1FVC	WIPI2	cg02667577	rs28740888	C	A	-0.229	0.040	0.168	1.56E-08	-0.003	0.003	0.429	0.009	31.954	TRUE	2.97E-08
FEV1FVC	WIPI2	cg02667577	rs62441954	T	C	-0.246	0.029	0.218	4.17E-17	-0.004	0.003	0.170	0.019	70.657	TRUE	2.25E-16
FEV1FVC	WIPI2	cg02876211	rs3807586	T	G	0.261	0.027	0.266	3.53E-22	-0.002	0.003	0.456	0.025	93.726	TRUE	1.66E-21
FEV1FVC	WIPI2	cg04153882	rs11761408	C	A	0.477	0.028	0.226	2.01E-67	0.006	0.003	0.044	0.075	300.824	TRUE	1.08E-63
FEV1FVC	WIPI2	cg04153882	rs13227919	A	G	0.267	0.033	0.145	2.67E-16	0.000	0.003	0.909	0.018	66.998	TRUE	5.04E-16
FEV1FVC	WIPI2	cg04153882	rs144966332	A	G	0.452	0.059	0.035	1.67E-14	0.004	0.007	0.504	0.016	58.853	TRUE	4.27E-14
FEV1FVC	WIPI2	cg04153882	rs62441954	T	C	-0.360	0.029	0.218	2.92E-35	-0.004	0.003	0.170	0.040	153.457	TRUE	8.95E-34
FEV1FVC	WIPI2	cg06640364	rs112858081	G	A	0.386	0.036	0.112	1.57E-26	0.005	0.004	0.146	0.030	113.571	TRUE	2.15E-25
FEV1FVC	WIPI2	cg06640364	rs3801045	T	C	-0.302	0.051	0.056	2.53E-09	0.002	0.005	0.622	0.010	35.494	TRUE	4.30E-09
FEV1FVC	WIPI2	cg07762099	rs116958730	A	G	-0.313	0.054	0.047	5.12E-09	0.007	0.006	0.235	0.009	34.126	TRUE	1.25E-08
FEV1FVC	WIPI2	cg07762099	rs73048056	C	G	-0.432	0.031	0.159	5.44E-45	0.007	0.003	0.034	0.051	197.986	TRUE	1.36E-42
FEV1FVC	WIPI2	cg09203501	rs10081294	G	A	0.266	0.024	0.402	1.16E-28	0.003	0.002	0.171	0.032	123.305	TRUE	1.87E-27

FEV1FVC	WIPI2	cg09203501	rs11761408	C	A	0.821	0.026	0.226	2.01E-214	0.006	0.003	0.044	0.209	976.249	TRUE	1.30E-193
FEV1FVC	WIPI2	cg09203501	rs13231182	T	C	0.421	0.033	0.133	1.12E-36	-0.001	0.003	0.758	0.041	159.930	TRUE	1.10E-35
FEV1FVC	WIPI2	cg09203501	rs141926273	A	C	-0.396	0.072	0.033	3.91E-08	0.004	0.007	0.569	0.008	30.178	TRUE	6.42E-08
FEV1FVC	WIPI2	cg09203501	rs144966332	A	G	0.817	0.058	0.035	1.29E-44	0.004	0.007	0.504	0.050	196.274	TRUE	4.42E-43
FEV1FVC	WIPI2	cg09203501	rs34185494	T	C	-0.444	0.023	0.421	7.97E-80	-0.001	0.002	0.644	0.088	357.731	TRUE	2.50E-76
FEV1FVC	WIPI2	cg09203501	rs4236384	C	T	0.302	0.032	0.168	8.20E-21	-0.001	0.003	0.695	0.023	87.508	TRUE	2.58E-20
FEV1FVC	WIPI2	cg09203501	rs62441943	C	A	-0.366	0.052	0.106	1.64E-12	-0.003	0.004	0.389	0.013	49.849	TRUE	4.20E-12
FEV1FVC	WIPI2	cg09203501	rs6463369	G	A	0.217	0.024	0.376	3.11E-19	0.003	0.003	0.162	0.021	80.322	TRUE	1.99E-18
FEV1FVC	WIPI2	cg09203501	rs6958550	T	G	-0.135	0.024	0.467	1.14E-08	0.000	0.002	0.978	0.009	32.574	TRUE	1.44E-08
FEV1FVC	WIPI2	cg09203501	rs6976902	T	G	0.438	0.058	0.046	3.56E-14	-0.007	0.006	0.229	0.015	57.366	TRUE	1.32E-13
FEV1FVC	WIPI2	cg09203501	rs73048069	A	G	-0.257	0.027	0.259	2.21E-21	0.000	0.003	0.961	0.024	90.099	TRUE	5.17E-21
FEV1FVC	WIPI2	cg09305948	rs6463310	C	A	-0.368	0.052	0.053	9.19E-13	0.004	0.005	0.395	0.014	50.982	TRUE	2.42E-12
FEV1FVC	WIPI2	cg09523782	rs10081294	G	A	0.206	0.024	0.402	1.08E-17	0.003	0.002	0.171	0.019	73.324	TRUE	6.32E-17
FEV1FVC	WIPI2	cg09523782	rs11761408	C	A	0.625	0.027	0.226	1.19E-117	0.006	0.003	0.044	0.126	531.435	TRUE	1.43E-109
FEV1FVC	WIPI2	cg09523782	rs144966332	A	G	0.608	0.059	0.035	3.74E-25	0.004	0.007	0.504	0.028	107.289	TRUE	2.04E-24
FEV1FVC	WIPI2	cg09523782	rs4236384	C	T	0.244	0.032	0.168	3.94E-14	-0.001	0.003	0.695	0.015	57.170	TRUE	8.19E-14
FEV1FVC	WIPI2	cg09523782	rs4257935	C	A	-0.134	0.024	0.355	4.00E-08	0.000	0.003	0.991	0.008	30.132	TRUE	4.87E-08
FEV1FVC	WIPI2	cg09523782	rs4720538	G	T	-0.271	0.029	0.200	2.32E-20	-0.002	0.003	0.532	0.023	85.455	TRUE	8.54E-20
FEV1FVC	WIPI2	cg09523782	rs62441954	T	C	-0.452	0.029	0.218	3.72E-55	-0.004	0.003	0.170	0.062	244.566	TRUE	1.29E-52
FEV1FVC	WIPI2	cg09523782	rs6463369	G	A	0.159	0.024	0.376	5.18E-11	0.003	0.003	0.162	0.012	43.084	TRUE	1.66E-10
FEV1FVC	WIPI2	cg09523782	rs6949942	T	C	0.383	0.033	0.139	1.02E-30	0.000	0.003	0.903	0.035	132.689	TRUE	4.91E-30
FEV1FVC	WIPI2	cg09523782	rs6976902	T	G	0.389	0.058	0.046	1.83E-11	-0.007	0.006	0.229	0.012	45.121	TRUE	5.50E-11
FEV1FVC	WIPI2	cg15277378	rs11761408	C	A	0.200	0.028	0.226	6.70E-13	0.006	0.003	0.044	0.014	51.603	TRUE	3.78E-12
FEV1FVC	WIPI2	cg15277378	rs62441954	T	C	-0.348	0.029	0.218	3.79E-33	-0.004	0.003	0.170	0.037	143.793	TRUE	9.30E-32
FEV1FVC	WIPI2	cg17652756	rs76950470	A	G	0.404	0.035	0.120	8.53E-31	0.006	0.004	0.106	0.035	133.043	TRUE	2.11E-29
FEV1FVC	WIPI2	cg20032693	rs10239329	T	C	0.150	0.024	0.432	2.91E-10	0.001	0.002	0.640	0.011	39.711	TRUE	5.07E-10
FEV1FVC	WIPI2	cg20032693	rs11971512	G	A	0.144	0.024	0.415	1.59E-09	0.000	0.002	0.900	0.010	36.396	TRUE	2.19E-09
FEV1FVC	WIPI2	cg20032693	rs141926273	A	C	0.533	0.072	0.033	1.31E-13	0.004	0.007	0.569	0.015	54.811	TRUE	2.95E-13
FEV1FVC	WIPI2	cg20032693	rs4339542	G	A	-0.598	0.046	0.061	7.08E-38	-0.005	0.005	0.249	0.043	165.420	TRUE	2.14E-36
FEV1FVC	WIPI2	cg20032693	rs62441078	T	C	-0.409	0.034	0.134	1.88E-32	-0.002	0.004	0.598	0.037	140.611	TRUE	1.63E-31
FEV1FVC	WIPI2	cg20032693	rs62441140	T	C	-0.289	0.037	0.132	2.77E-15	-0.004	0.003	0.253	0.017	62.388	TRUE	1.08E-14
FEV1FVC	WIPI2	cg20032693	rs7904	T	C	-0.192	0.025	0.373	5.96E-15	-0.002	0.003	0.341	0.016	60.884	TRUE	1.91E-14
FEV1FVC	WIPI2	cg20071624	rs1134489	A	G	0.650	0.034	0.122	1.27E-83	0.006	0.004	0.096	0.092	375.159	TRUE	6.95E-79
FEV1FVC	WIPI2	cg20071624	rs6955551	G	A	-0.189	0.023	0.479	5.95E-16	-0.002	0.002	0.330	0.017	65.418	TRUE	2.11E-15
FEV1FVC	WIPI2	cg20071624	rs73316699	A	G	0.287	0.032	0.149	1.00E-18	0.005	0.003	0.178	0.021	78.016	TRUE	6.09E-18
FEV1FVC	WIPI2	cg20099458	rs11761408	C	A	0.499	0.027	0.226	1.01E-73	0.006	0.003	0.044	0.082	329.722	TRUE	1.55E-69
FEV1FVC	WIPI2	cg20099458	rs118073321	T	G	0.410	0.071	0.028	7.33E-09	0.011	0.007	0.102	0.009	33.427	TRUE	2.29E-08
FEV1FVC	WIPI2	cg20099458	rs144966332	A	G	0.446	0.059	0.035	3.58E-14	0.004	0.007	0.504	0.015	57.354	TRUE	8.97E-14
FEV1FVC	WIPI2	cg20099458	rs4236384	C	T	0.199	0.032	0.168	7.49E-10	-0.001	0.003	0.695	0.010	37.868	TRUE	1.24E-09
FEV1FVC	WIPI2	cg20099458	rs4720538	G	T	-0.239	0.029	0.200	3.34E-16	-0.002	0.003	0.532	0.018	66.556	TRUE	9.28E-16
FEV1FVC	WIPI2	cg20099458	rs4724331	T	C	0.167	0.026	0.292	1.64E-10	-0.001	0.003	0.828	0.011	40.832	TRUE	2.50E-10
FEV1FVC	WIPI2	cg20099458	rs62441954	T	C	-0.409	0.029	0.218	3.70E-45	-0.004	0.003	0.170	0.051	198.755	TRUE	3.52E-43

FEV1FVC	WIPI2	cg20099458	rs6949942	T	C	0.375	0.033	0.139	1.44E-29	0.000	0.003	0.903	0.033	127.434	TRUE	6.36E-29
FEV1FVC	WIPI2	cg20099458	rs6976902	T	G	0.350	0.058	0.046	1.53E-09	-0.007	0.006	0.229	0.010	36.480	TRUE	3.95E-09
FEV1FVC	WIPI2	cg20367388	rs116124277	A	G	0.468	0.035	0.120	4.88E-41	0.006	0.004	0.114	0.046	179.888	TRUE	3.56E-39
FEV1FVC	WIPI2	cg20367388	rs6972587	A	C	-0.145	0.025	0.346	7.36E-09	-0.001	0.003	0.598	0.009	33.420	TRUE	1.23E-08
FEV1FVC	WIPI2	cg20367388	rs75028200	C	T	0.368	0.052	0.052	9.61E-13	0.005	0.005	0.304	0.014	50.894	TRUE	2.82E-12
FEV1FVC	WIPI2	cg21585409	rs11761408	C	A	0.369	0.028	0.226	2.12E-40	0.006	0.003	0.044	0.046	176.973	TRUE	2.38E-38
FEV1FVC	WIPI2	cg21585409	rs144966332	A	G	0.412	0.059	0.035	2.52E-12	0.004	0.007	0.504	0.013	49.008	TRUE	5.60E-12
FEV1FVC	WIPI2	cg21585409	rs28740888	C	A	-0.232	0.040	0.168	8.74E-09	-0.003	0.003	0.429	0.009	33.085	TRUE	1.69E-08
FEV1FVC	WIPI2	cg21585409	rs62441954	T	C	-0.250	0.029	0.218	1.12E-17	-0.004	0.003	0.170	0.019	73.252	TRUE	6.36E-17
FEV1FVC	WIPI2	cg21764632	rs11761408	C	A	0.252	0.028	0.226	1.63E-19	0.006	0.003	0.044	0.022	81.601	TRUE	1.79E-18
FEV1FVC	WIPI2	cg22663933	rs1134489	A	G	0.574	0.034	0.122	9.38E-63	0.006	0.004	0.096	0.070	279.406	TRUE	1.55E-59
FEV1FVC	WIPI2	cg22663933	rs116958730	A	G	0.395	0.054	0.047	1.93E-13	0.007	0.006	0.235	0.014	54.049	TRUE	6.66E-13
FEV1FVC	WIPI2	cg22663933	rs34185494	T	C	-0.203	0.024	0.421	1.78E-17	-0.001	0.002	0.644	0.019	72.336	TRUE	4.71E-17
FEV1FVC	WIPI2	cg22663933	rs4427074	G	A	-0.698	0.050	0.057	1.89E-43	0.004	0.005	0.387	0.049	190.929	TRUE	7.65E-42
FEV1FVC	WIPI2	cg22663933	rs4720508	G	A	-0.182	0.024	0.369	7.11E-14	-0.002	0.003	0.543	0.015	56.007	TRUE	1.68E-13
FEV1FVC	WIPI2	cg22663933	rs6463307	G	T	-0.142	0.025	0.367	8.05E-09	-0.002	0.003	0.356	0.009	33.246	TRUE	1.68E-08
FEV1FVC	WIPI2	cg23122899	rs4720529	C	G	-0.201	0.025	0.346	4.65E-16	-0.002	0.003	0.336	0.018	65.904	TRUE	1.66E-15
FEV1FVC	WIPI2	cg23122899	rs4720532	A	T	0.333	0.030	0.176	3.81E-28	0.006	0.003	0.049	0.032	120.940	TRUE	1.00E-26
FEV1FVC	WIPI2	cg23122899	rs79845625	T	C	-0.155	0.025	0.353	9.01E-10	0.001	0.003	0.643	0.010	37.508	TRUE	1.55E-09
FEV1FVC	WIPI2	cg23562222	rs13227919	A	G	0.458	0.032	0.145	2.04E-45	0.000	0.003	0.909	0.051	199.935	TRUE	3.74E-44
FEV1FVC	WIPI2	cg23562222	rs4720529	C	G	-0.339	0.025	0.346	3.81E-43	-0.002	0.003	0.336	0.049	189.536	TRUE	1.65E-41
FEV1FVC	WIPI2	cg23562222	rs4720532	A	T	0.390	0.030	0.176	5.85E-38	0.006	0.003	0.049	0.043	165.800	TRUE	4.72E-36
FEV1FVC	WIPI2	cg23562222	rs7793457	G	C	0.144	0.026	0.293	2.30E-08	0.001	0.003	0.638	0.008	31.206	TRUE	3.60E-08
FEV1FVC	WIPI2	cg23562222	rs79845625	T	C	-0.182	0.025	0.353	9.07E-13	0.001	0.003	0.643	0.014	51.008	TRUE	1.84E-12
FEV1FVC	WIPI2	cg24555360	rs3807586	T	G	0.278	0.027	0.266	4.99E-25	-0.002	0.003	0.456	0.028	106.717	TRUE	2.93E-24
FEV1FVC	WIPI2	cg26660312	rs10081294	G	A	0.287	0.024	0.402	3.20E-33	0.003	0.002	0.171	0.038	144.128	TRUE	8.26E-32
FEV1FVC	WIPI2	cg26660312	rs11761408	C	A	0.940	0.024	0.226	<1E-200	0.006	0.003	0.044	0.289	1505.255	TRUE	7.12E-287
FEV1FVC	WIPI2	cg26660312	rs144966332	A	G	0.968	0.058	0.035	1.29E-62	0.004	0.007	0.504	0.070	278.774	TRUE	4.15E-60
FEV1FVC	WIPI2	cg26660312	rs34185494	T	C	-0.498	0.023	0.421	1.83E-101	-0.001	0.002	0.644	0.110	457.082	TRUE	2.91E-96
FEV1FVC	WIPI2	cg26660312	rs35700108	C	G	0.446	0.033	0.133	6.57E-41	-0.001	0.003	0.787	0.046	179.298	TRUE	9.22E-40
FEV1FVC	WIPI2	cg26660312	rs4236384	C	T	0.343	0.032	0.168	1.68E-26	-0.001	0.003	0.695	0.030	113.434	TRUE	7.94E-26
FEV1FVC	WIPI2	cg26660312	rs4339542	G	A	-0.278	0.047	0.061	2.97E-09	-0.005	0.005	0.249	0.009	35.187	TRUE	7.21E-09
FEV1FVC	WIPI2	cg26660312	rs58708878	T	C	0.175	0.025	0.321	1.45E-12	-0.001	0.003	0.777	0.013	50.093	TRUE	2.51E-12
FEV1FVC	WIPI2	cg26660312	rs62441943	C	A	-0.448	0.052	0.106	4.58E-18	-0.003	0.004	0.389	0.020	75.013	TRUE	1.74E-17
FEV1FVC	WIPI2	cg26660312	rs6463369	G	A	0.202	0.024	0.376	6.71E-17	0.003	0.003	0.162	0.018	69.718	TRUE	3.51E-16
FEV1FVC	WIPI2	cg26660312	rs6958550	T	G	-0.135	0.024	0.467	9.42E-09	0.000	0.002	0.978	0.009	32.940	TRUE	1.20E-08
FEV1FVC	WIPI2	cg26660312	rs6976902	T	G	0.437	0.058	0.046	4.13E-14	-0.007	0.006	0.229	0.015	57.076	TRUE	1.53E-13
FEV1FVC	WIPI2	cg26660312	rs73048069	A	G	-0.299	0.027	0.259	1.54E-28	0.000	0.003	0.961	0.032	122.735	TRUE	5.78E-28
FEV1FVC	WIPI2	cg27021327	rs116958730	A	G	0.337	0.054	0.047	4.00E-10	0.007	0.006	0.235	0.010	39.091	TRUE	1.07E-09
FEV1FVC	WIPI2	cg27021327	rs4595030	C	A	0.207	0.034	0.140	1.85E-09	-0.002	0.003	0.517	0.010	36.105	TRUE	3.45E-09
FEV1FVC	WIPI2	cg27021327	rs4724461	C	A	0.480	0.029	0.205	2.33E-63	0.006	0.003	0.050	0.071	282.182	TRUE	6.19E-60
FEV1FVC	WIPI2	cg27021327	rs6951007	A	C	0.257	0.032	0.154	1.07E-15	0.003	0.003	0.406	0.017	64.256	TRUE	3.42E-15

FEV1FVC	WIPI2	cg27021327	rs6956071	A	G	-0.279	0.024	0.406	3.25E-31	-0.002	0.002	0.435	0.035	134.959	TRUE	3.43E-30
FEV1FVC	WIPI2	cg27021327	rs79845625	T	C	-0.157	0.025	0.353	7.27E-10	0.001	0.003	0.643	0.010	37.928	TRUE	1.25E-09
FEV1FVC	WIPI2	cg27152128	rs11761408	C	A	0.225	0.027	0.226	2.75E-16	0.006	0.003	0.044	0.018	66.937	TRUE	2.18E-15
FEV1FVC	WIPI2	cg27298603	rs4478482	G	T	-0.376	0.049	0.058	2.79E-14	0.004	0.005	0.390	0.015	57.845	TRUE	8.16E-14
FEV1FVC	WNT4	cg00356045	rs2268177	T	A	0.216	0.031	0.180	2.80E-12	-0.006	0.003	0.044	0.013	48.796	TRUE	1.55E-11
FEV1FVC	WNT4	cg01781529	rs2235529	T	C	-0.206	0.032	0.163	7.14E-11	-0.007	0.003	0.028	0.011	42.457	TRUE	3.84E-10
FEV1FVC	WNT4	cg01781529	rs6673001	A	G	-0.561	0.087	0.017	1.16E-10	-0.005	0.009	0.549	0.011	41.510	TRUE	2.26E-10
FEV1FVC	WNT4	cg02839875	rs12135916	G	A	0.164	0.028	0.239	5.08E-09	0.009	0.003	0.001	0.009	34.141	TRUE	3.75E-08
FEV1FVC	WNT4	cg02839875	rs2744718	T	C	-0.191	0.035	0.141	3.34E-08	0.001	0.003	0.719	0.008	30.481	TRUE	4.94E-08
FEV1FVC	WNT4	cg09938164	rs34745135	C	G	0.357	0.037	0.116	8.20E-22	0.010	0.004	0.005	0.024	92.061	TRUE	2.42E-20
FEV1FVC	WNT4	cg09938164	rs4655023	A	C	-0.318	0.044	0.077	3.58E-13	0.001	0.004	0.775	0.014	52.831	TRUE	6.46E-13
FEV1FVC	WNT4	cg09938164	rs58111733	T	G	0.241	0.040	0.105	1.55E-09	0.019	0.004	3.78E-06	0.010	36.454	TRUE	2.75E-08
FEV1FVC	WNT4	cg10606730	rs143040561	T	G	1.058	0.104	0.011	3.37E-24	-0.011	0.011	0.304	0.027	102.936	TRUE	2.44E-23
FEV1FVC	WNT4	cg12098183	rs56408422	T	C	-0.315	0.032	0.164	1.71E-22	0.010	0.003	0.002	0.025	95.158	TRUE	7.78E-21
FEV1FVC	WNT4	cg15582954	rs56318008	T	C	0.348	0.032	0.153	7.80E-27	-0.009	0.003	0.010	0.030	114.955	TRUE	3.50E-25
FEV1FVC	WNT4	cg15582954	rs7542242	T	C	-0.170	0.025	0.331	1.02E-11	0.002	0.003	0.563	0.012	46.260	TRUE	2.11E-11
FEV1FVC	WNT4	cg17022577	rs10917123	A	G	0.158	0.028	0.223	2.19E-08	-0.005	0.003	0.077	0.008	31.300	TRUE	7.06E-08
FEV1FVC	WNT4	cg17022577	rs2744755	C	T	-0.147	0.025	0.357	3.75E-09	0.012	0.002	1.43E-06	0.009	34.733	TRUE	7.21E-08
FEV1FVC	WNT4	cg17022577	rs2807356	T	C	-0.155	0.028	0.231	2.40E-08	0.010	0.003	2.29E-04	0.008	31.123	TRUE	2.07E-07
FEV1FVC	WNT4	cg17022577	rs56408422	T	C	-0.452	0.032	0.164	4.52E-44	0.010	0.003	0.002	0.050	193.777	TRUE	3.96E-41
FEV1FVC	WNT4	cg25011003	rs56318008	T	C	0.424	0.032	0.153	2.26E-39	-0.009	0.003	0.010	0.044	172.268	TRUE	4.92E-37
FEV1FVC	WNT4	cg25011003	rs7542242	T	C	-0.194	0.025	0.331	8.80E-15	0.002	0.003	0.563	0.016	60.116	TRUE	2.19E-14
FEV1FVC	WWOX	cg00232445	rs8050128	A	C	-0.140	0.023	0.455	1.90E-09	0.000	0.002	0.974	0.010	36.055	TRUE	2.48E-09
FEV1FVC	WWOX	cg00232445	rs8052888	T	C	-0.170	0.030	0.173	2.26E-08	0.001	0.003	0.849	0.008	31.239	TRUE	3.09E-08
FEV1FVC	WWOX	cg01365766	rs13334444	T	G	-0.337	0.053	0.055	2.14E-10	-0.006	0.006	0.308	0.011	40.316	TRUE	5.28E-10
FEV1FVC	WWOX	cg01608400	rs11150082	T	C	0.204	0.028	0.205	7.19E-13	0.003	0.003	0.404	0.014	51.464	TRUE	1.91E-12
FEV1FVC	WWOX	cg01608400	rs2738739	C	G	0.321	0.051	0.056	2.38E-10	0.002	0.005	0.640	0.011	40.107	TRUE	4.22E-10
FEV1FVC	WWOX	cg01623475	rs11647295	G	A	-0.477	0.034	0.118	1.27E-45	-0.003	0.004	0.440	0.052	200.886	TRUE	5.66E-44
FEV1FVC	WWOX	cg01630032	rs10438629	G	C	0.233	0.030	0.187	7.36E-15	-0.003	0.003	0.359	0.016	60.467	TRUE	2.36E-14
FEV1FVC	WWOX	cg01630032	rs11648020	G	T	0.383	0.062	0.036	7.31E-10	0.002	0.006	0.785	0.010	37.916	TRUE	1.11E-09
FEV1FVC	WWOX	cg01630032	rs116918681	T	G	-0.637	0.108	0.032	3.19E-09	0.004	0.007	0.562	0.009	35.043	TRUE	5.65E-09
FEV1FVC	WWOX	cg01630032	rs17706689	G	C	0.391	0.070	0.078	2.38E-08	-0.001	0.005	0.859	0.008	31.138	TRUE	3.21E-08
FEV1FVC	WWOX	cg01630032	rs1912803	A	C	0.406	0.046	0.064	2.16E-18	0.004	0.005	0.368	0.020	76.498	TRUE	8.73E-18
FEV1FVC	WWOX	cg01630032	rs2548875	G	T	0.597	0.028	0.211	1.97E-100	-0.003	0.003	0.324	0.109	452.345	TRUE	7.47E-95
FEV1FVC	WWOX	cg01630032	rs2548879	C	A	0.811	0.021	0.430	<1E-200	0.001	0.002	0.589	0.295	1546.804	TRUE	4.28E-296
FEV1FVC	WWOX	cg01630032	rs2673789	C	T	0.274	0.023	0.436	1.17E-31	0.000	0.002	0.897	0.036	136.980	TRUE	6.14E-31
FEV1FVC	WWOX	cg01630032	rs2737301	T	C	-0.143	0.024	0.435	2.13E-09	0.000	0.002	0.961	0.010	35.833	TRUE	2.78E-09
FEV1FVC	WWOX	cg01630032	rs2738586	G	A	0.561	0.046	0.078	2.22E-34	0.001	0.005	0.782	0.039	149.432	TRUE	1.70E-33
FEV1FVC	WWOX	cg01630032	rs34466066	G	T	0.217	0.033	0.156	4.28E-11	0.000	0.003	0.934	0.012	43.456	TRUE	6.18E-11
FEV1FVC	WWOX	cg01630032	rs34561764	G	C	0.604	0.057	0.048	3.33E-26	0.002	0.005	0.720	0.029	112.077	TRUE	1.48E-25
FEV1FVC	WWOX	cg01630032	rs3751882	G	A	0.376	0.027	0.251	3.78E-44	0.002	0.003	0.529	0.050	194.131	TRUE	1.15E-42
FEV1FVC	WWOX	cg01630032	rs67195249	A	T	0.753	0.032	0.137	2.44E-124	0.003	0.003	0.349	0.132	562.170	TRUE	1.54E-116

FEV1FVC	WWOX	cg01630032	rs67486703	A	G	-0.168	0.031	0.175	3.72E-08	0.000	0.003	0.936	0.008	30.272	TRUE	4.78E-08
FEV1FVC	WWOX	cg01630032	rs7197349	G	A	0.735	0.036	0.116	1.73E-90	-0.001	0.004	0.790	0.099	406.689	TRUE	2.43E-86
FEV1FVC	WWOX	cg01630032	rs7206203	C	T	-0.189	0.024	0.444	8.64E-16	-0.003	0.002	0.260	0.017	64.683	TRUE	3.44E-15
FEV1FVC	WWOX	cg01630032	rs72794707	T	C	0.688	0.107	0.012	1.29E-10	0.012	0.011	0.293	0.011	41.298	TRUE	3.30E-10
FEV1FVC	WWOX	cg01630032	rs73576805	G	T	0.447	0.079	0.024	1.41E-08	0.014	0.008	0.063	0.009	32.152	TRUE	4.85E-08
FEV1FVC	WWOX	cg01630032	rs75887935	C	T	0.334	0.045	0.075	1.87E-13	-0.006	0.005	0.188	0.014	54.112	TRUE	7.14E-13
FEV1FVC	WWOX	cg01630032	rs76887953	G	T	0.739	0.086	0.019	1.04E-17	-0.006	0.008	0.435	0.019	73.393	TRUE	3.65E-17
FEV1FVC	WWOX	cg01630032	rs78136943	G	A	0.545	0.062	0.036	1.97E-18	-0.008	0.006	0.145	0.020	76.676	TRUE	1.27E-17
FEV1FVC	WWOX	cg01630032	rs78404304	G	A	-0.463	0.074	0.068	4.96E-10	0.000	0.005	0.988	0.010	38.674	TRUE	6.55E-10
FEV1FVC	WWOX	cg01630032	rs78505173	C	T	0.457	0.077	0.047	2.60E-09	0.006	0.006	0.290	0.009	35.446	TRUE	6.05E-09
FEV1FVC	WWOX	cg01630032	rs79798128	T	G	-0.642	0.079	0.054	5.17E-16	-0.003	0.005	0.562	0.017	65.693	TRUE	1.38E-15
FEV1FVC	WWOX	cg01785566	rs12922764	A	G	-0.145	0.023	0.425	5.33E-10	-0.004	0.002	0.129	0.010	38.531	TRUE	1.75E-09
FEV1FVC	WWOX	cg02795629	rs391870	T	C	-0.159	0.024	0.373	5.04E-11	-0.006	0.003	0.011	0.012	43.137	TRUE	3.32E-10
FEV1FVC	WWOX	cg02795629	rs4888948	G	C	-0.155	0.026	0.274	4.37E-09	-0.005	0.003	0.044	0.009	34.432	TRUE	1.70E-08
FEV1FVC	WWOX	cg03601549	rs2738544	T	C	-0.332	0.040	0.098	1.87E-16	0.002	0.004	0.664	0.018	67.699	TRUE	4.52E-16
FEV1FVC	WWOX	cg03601549	rs74593660	T	C	-0.252	0.045	0.074	2.92E-08	-0.007	0.005	0.161	0.008	30.744	TRUE	7.63E-08
FEV1FVC	WWOX	cg03601549	rs9927678	C	T	-0.137	0.024	0.385	1.02E-08	0.000	0.003	0.949	0.009	32.787	TRUE	1.32E-08
FEV1FVC	WWOX	cg04609912	rs114476113	A	G	-0.741	0.097	0.016	2.40E-14	-0.001	0.010	0.952	0.015	58.139	TRUE	3.92E-14
FEV1FVC	WWOX	cg04609912	rs145205608	C	G	-0.408	0.074	0.024	3.86E-08	0.005	0.008	0.554	0.008	30.205	TRUE	6.45E-08
FEV1FVC	WWOX	cg04609912	rs4530150	A	G	0.253	0.041	0.087	8.68E-10	-0.001	0.004	0.833	0.010	37.580	TRUE	1.28E-09
FEV1FVC	WWOX	cg04609912	rs59274620	C	T	-0.249	0.044	0.068	1.76E-08	0.009	0.005	0.041	0.009	31.726	TRUE	6.58E-08
FEV1FVC	WWOX	cg04609912	rs8048266	C	A	0.140	0.024	0.400	4.00E-09	0.002	0.002	0.343	0.009	34.607	TRUE	8.71E-09
FEV1FVC	WWOX	cg04609912	rs8052888	T	C	0.284	0.031	0.173	1.18E-20	0.001	0.003	0.849	0.023	86.793	TRUE	3.03E-20
FEV1FVC	WWOX	cg04609912	rs9928690	G	A	-0.139	0.024	0.402	4.02E-09	0.000	0.002	0.937	0.009	34.594	TRUE	5.32E-09
FEV1FVC	WWOX	cg04609912	rs9940348	T	C	-0.606	0.032	0.149	1.09E-80	0.004	0.003	0.221	0.089	361.688	TRUE	1.60E-76
FEV1FVC	WWOX	cg06252160	rs67933378	A	G	-0.184	0.032	0.159	6.54E-09	0.000	0.003	0.961	0.009	33.650	TRUE	8.47E-09
FEV1FVC	WWOX	cg07207813	rs16947616	G	A	-0.838	0.097	0.015	8.03E-18	-0.001	0.010	0.952	0.020	73.906	TRUE	1.56E-17
FEV1FVC	WWOX	cg07207813	rs4888815	G	C	-0.188	0.025	0.310	4.69E-14	0.000	0.003	0.882	0.015	56.826	TRUE	8.09E-14
FEV1FVC	WWOX	cg07207813	rs58980559	G	A	-0.323	0.036	0.122	2.22E-19	0.003	0.004	0.440	0.021	80.986	TRUE	8.71E-19
FEV1FVC	WWOX	cg07207813	rs7189823	T	G	-0.956	0.041	0.082	5.28E-119	-0.006	0.004	0.174	0.127	537.656	TRUE	2.29E-111
FEV1FVC	WWOX	cg07207813	rs7193816	A	G	-0.221	0.040	0.096	3.74E-08	0.004	0.004	0.304	0.008	30.262	TRUE	7.90E-08
FEV1FVC	WWOX	cg07493562	rs28529286	T	C	0.471	0.065	0.066	4.50E-13	0.007	0.005	0.119	0.014	52.384	TRUE	1.95E-12
FEV1FVC	WWOX	cg07493562	rs4430758	G	A	-0.166	0.027	0.248	6.56E-10	0.005	0.003	0.109	0.010	38.126	TRUE	2.22E-09
FEV1FVC	WWOX	cg07493562	rs7500549	T	C	-0.137	0.023	0.464	4.25E-09	-0.007	0.002	0.007	0.009	34.486	TRUE	2.51E-08
FEV1FVC	WWOX	cg07674304	rs11640157	A	C	-0.397	0.059	0.041	1.21E-11	0.003	0.006	0.642	0.012	45.927	TRUE	2.30E-11
FEV1FVC	WWOX	cg07674304	rs11641340	G	A	-0.301	0.043	0.083	1.93E-12	-0.002	0.004	0.592	0.013	49.528	TRUE	3.99E-12
FEV1FVC	WWOX	cg07674304	rs12446075	G	A	-0.148	0.025	0.295	5.78E-09	0.006	0.003	0.016	0.009	33.888	TRUE	2.75E-08
FEV1FVC	WWOX	cg07674304	rs12598440	C	T	-0.271	0.023	0.453	1.62E-31	0.002	0.002	0.463	0.036	136.336	TRUE	1.68E-30
FEV1FVC	WWOX	cg07674304	rs12929743	C	G	-0.162	0.028	0.225	1.17E-08	-0.002	0.003	0.399	0.009	32.511	TRUE	2.30E-08
FEV1FVC	WWOX	cg07674304	rs12931246	C	G	-0.225	0.033	0.144	5.31E-12	0.001	0.003	0.840	0.013	47.542	TRUE	8.49E-12
FEV1FVC	WWOX	cg07674304	rs149327916	A	T	-0.738	0.093	0.015	1.81E-15	-0.012	0.009	0.173	0.017	63.227	TRUE	8.35E-15
FEV1FVC	WWOX	cg07674304	rs2738552	C	G	-0.249	0.034	0.139	4.14E-13	0.000	0.004	0.992	0.014	52.546	TRUE	6.13E-13

FEV1FVC	WWOX	cg07674304	rs2738740	G	T	-0.348	0.040	0.094	2.60E-18	-0.009	0.004	0.027	0.020	76.127	TRUE	3.06E-17
FEV1FVC	WWOX	cg07674304	rs3743681	A	C	-0.959	0.038	0.101	2.10E-142	0.000	0.004	0.946	0.149	645.179	TRUE	1.60E-133
FEV1FVC	WWOX	cg07674304	rs4513111	T	C	-0.558	0.043	0.077	9.99E-38	0.004	0.004	0.380	0.043	164.735	TRUE	2.19E-36
FEV1FVC	WWOX	cg07674304	rs62034038	A	G	-0.333	0.060	0.039	3.27E-08	-0.009	0.006	0.124	0.008	30.524	TRUE	9.07E-08
FEV1FVC	WWOX	cg07674304	rs9923563	C	T	-0.245	0.028	0.226	1.78E-18	-0.001	0.003	0.723	0.020	76.881	TRUE	4.61E-18
FEV1FVC	WWOX	cg08173834	rs28609420	G	T	-0.293	0.053	0.055	4.30E-08	0.000	0.005	0.946	0.008	29.993	TRUE	5.40E-08
FEV1FVC	WWOX	cg08173834	rs74029558	A	C	-0.909	0.109	0.012	8.03E-17	-0.010	0.011	0.338	0.018	69.364	TRUE	3.03E-16
FEV1FVC	WWOX	cg08748098	rs9940608	T	C	-0.548	0.047	0.119	5.22E-31	-0.002	0.004	0.504	0.035	134.018	TRUE	4.71E-30
FEV1FVC	WWOX	cg09038266	rs9940536	T	C	0.262	0.025	0.315	4.26E-26	-0.003	0.003	0.211	0.029	111.590	TRUE	4.46E-25
FEV1FVC	WWOX	cg09437479	rs1877281	A	G	-0.211	0.028	0.212	7.25E-14	0.003	0.003	0.263	0.015	55.969	TRUE	2.45E-13
FEV1FVC	WWOX	cg09466698	rs117085835	A	G	-0.475	0.071	0.024	2.66E-11	0.014	0.007	0.038	0.012	44.388	TRUE	1.38E-10
FEV1FVC	WWOX	cg09466698	rs11864315	T	C	-0.173	0.028	0.202	1.13E-09	0.001	0.003	0.744	0.010	37.061	TRUE	1.76E-09
FEV1FVC	WWOX	cg09466698	rs142789964	T	C	-0.869	0.159	0.014	4.98E-08	-0.005	0.010	0.639	0.008	29.707	TRUE	7.75E-08
FEV1FVC	WWOX	cg09466698	rs34451070	G	C	-0.714	0.086	0.018	1.50E-16	-0.011	0.009	0.215	0.018	68.136	TRUE	6.94E-16
FEV1FVC	WWOX	cg09466698	rs36098342	G	C	-0.302	0.026	0.302	8.30E-32	-0.002	0.003	0.549	0.036	137.667	TRUE	7.59E-31
FEV1FVC	WWOX	cg09466698	rs3751773	T	C	0.200	0.024	0.493	2.21E-17	0.003	0.002	0.161	0.019	71.908	TRUE	1.26E-16
FEV1FVC	WWOX	cg09466698	rs4888752	T	A	0.199	0.026	0.266	2.49E-14	-0.002	0.003	0.467	0.015	58.071	TRUE	6.69E-14
FEV1FVC	WWOX	cg09466698	rs7193455	A	T	0.211	0.026	0.298	3.19E-16	0.003	0.003	0.344	0.018	66.644	TRUE	1.16E-15
FEV1FVC	WWOX	cg09466698	rs7200742	T	C	-0.728	0.027	0.221	1.06E-160	-0.001	0.003	0.631	0.165	729.272	TRUE	3.07E-149
FEV1FVC	WWOX	cg09466698	rs7204985	A	G	0.201	0.025	0.307	3.03E-15	-0.005	0.003	0.073	0.017	62.211	TRUE	1.87E-14
FEV1FVC	WWOX	cg09466698	rs72806827	A	G	0.230	0.034	0.139	9.40E-12	0.003	0.004	0.366	0.012	46.424	TRUE	2.35E-11
FEV1FVC	WWOX	cg09466698	rs9928004	C	A	0.188	0.024	0.432	2.51E-15	0.001	0.002	0.638	0.017	62.586	TRUE	5.82E-15
FEV1FVC	WWOX	cg09466698	rs9933874	T	A	0.219	0.037	0.109	3.54E-09	0.007	0.004	0.074	0.009	34.840	TRUE	1.25E-08
FEV1FVC	WWOX	cg10001715	rs2077576	C	T	-0.248	0.041	0.088	1.32E-09	0.002	0.004	0.619	0.010	36.758	TRUE	2.28E-09
FEV1FVC	WWOX	cg10001715	rs35272142	A	C	0.174	0.031	0.177	2.64E-08	-0.003	0.003	0.425	0.008	30.936	TRUE	5.03E-08
FEV1FVC	WWOX	cg10001715	rs4074541	C	A	-0.222	0.025	0.309	5.93E-19	0.005	0.003	0.035	0.021	79.047	TRUE	7.01E-18
FEV1FVC	WWOX	cg10001715	rs7199349	G	T	-0.405	0.024	0.379	1.91E-64	0.004	0.003	0.130	0.072	287.158	TRUE	3.15E-61
FEV1FVC	WWOX	cg10001715	rs72792342	G	T	-0.745	0.049	0.050	1.73E-51	0.011	0.005	0.030	0.058	227.753	TRUE	1.10E-48
FEV1FVC	WWOX	cg10001715	rs72803903	T	C	-0.667	0.115	0.012	6.78E-09	0.019	0.011	0.085	0.009	33.580	TRUE	2.21E-08
FEV1FVC	WWOX	cg10001715	rs9933749	T	G	0.218	0.024	0.423	3.27E-20	-0.004	0.002	0.129	0.022	84.772	TRUE	2.67E-19
FEV1FVC	WWOX	cg10466626	rs11641434	C	T	-0.293	0.038	0.092	2.07E-14	0.002	0.004	0.632	0.016	58.434	TRUE	4.61E-14
FEV1FVC	WWOX	cg10466626	rs12446679	T	G	-0.752	0.094	0.029	1.09E-15	-0.001	0.008	0.951	0.017	64.234	TRUE	1.90E-15
FEV1FVC	WWOX	cg10855967	rs11545028	T	C	-0.522	0.024	0.345	4.55E-102	0.000	0.003	0.989	0.111	459.863	TRUE	3.24E-97
FEV1FVC	WWOX	cg10855967	rs17775590	T	G	0.240	0.028	0.216	1.61E-17	0.004	0.003	0.196	0.019	72.535	TRUE	8.30E-17
FEV1FVC	WWOX	cg10855967	rs71396130	A	G	-0.235	0.025	0.304	1.23E-20	-0.001	0.003	0.795	0.023	86.712	TRUE	3.37E-20
FEV1FVC	WWOX	cg10855967	rs719743	C	A	0.182	0.026	0.275	1.86E-12	-0.002	0.003	0.500	0.013	49.601	TRUE	4.20E-12
FEV1FVC	WWOX	cg10855967	rs72800913	G	A	0.220	0.035	0.131	2.27E-10	0.001	0.004	0.792	0.011	40.201	TRUE	3.51E-10
FEV1FVC	WWOX	cg10855967	rs75606626	A	G	-0.401	0.058	0.042	3.23E-12	0.000	0.006	0.987	0.013	48.519	TRUE	4.65E-12
FEV1FVC	WWOX	cg10855967	rs8049744	A	T	-0.383	0.062	0.037	7.56E-10	0.007	0.007	0.309	0.010	37.849	TRUE	1.79E-09
FEV1FVC	WWOX	cg10855967	rs889418	A	G	-0.254	0.030	0.189	1.82E-17	-0.003	0.003	0.335	0.019	72.288	TRUE	7.30E-17
FEV1FVC	WWOX	cg16747717	rs4888775	G	A	-0.131	0.023	0.392	2.33E-08	-0.005	0.002	0.039	0.008	31.179	TRUE	8.98E-08
FEV1FVC	WWOX	cg16747717	rs78481124	T	C	-0.936	0.130	0.010	6.49E-13	0.006	0.011	0.596	0.014	51.664	TRUE	1.38E-12

FEV1FVC	WWOX	cg26691179	rs55663738	T	C	-0.193	0.035	0.132	3.81E-08	-0.009	0.004	0.008	0.008	30.226	TRUE	1.84E-07
FEV1FVC	WWOX	cg26691179	rs77451018	C	T	0.183	0.032	0.166	6.90E-09	-0.001	0.003	0.866	0.009	33.544	TRUE	9.43E-09
FEV1FVC	WWOX	cg26691179	rs9319519	A	G	-0.224	0.024	0.400	6.07E-21	-0.003	0.002	0.294	0.023	88.100	TRUE	3.53E-20
FEV1FVC	WWOX	cg27002639	rs78668939	T	C	-0.608	0.097	0.012	2.95E-10	0.007	0.010	0.524	0.011	39.686	TRUE	5.73E-10
FEV1FVC	WWOX	cg27109907	rs7205541	A	G	0.184	0.024	0.401	1.32E-14	-0.002	0.003	0.401	0.016	59.311	TRUE	3.90E-14
FEV1FVC	XBP1	cg00651286	rs117830237	A	G	0.311	0.056	0.047	2.73E-08	-0.005	0.006	0.346	0.008	30.874	TRUE	5.52E-08
FEV1FVC	XBP1	cg00651286	rs12170705	T	C	-0.179	0.023	0.462	1.44E-14	-0.002	0.002	0.419	0.016	59.144	TRUE	4.09E-14
FEV1FVC	XBP1	cg00651286	rs135641	T	A	0.785	0.070	0.026	3.74E-29	-0.006	0.007	0.379	0.033	125.541	TRUE	3.59E-28
FEV1FVC	XBP1	cg00651286	rs138398054	G	C	0.659	0.096	0.017	5.93E-12	-0.012	0.010	0.210	0.013	47.326	TRUE	1.91E-11
FEV1FVC	XBP1	cg00651286	rs41382448	C	G	0.566	0.058	0.044	8.70E-23	-0.005	0.006	0.335	0.025	96.498	TRUE	5.28E-22
FEV1FVC	XBP1	cg00651286	rs561396424	T	C	0.231	0.026	0.276	1.35E-18	-0.020	0.034	0.565	0.021	77.423	TRUE	4.25E-18
FEV1FVC	XBP1	cg00651286	rs6005752	G	C	0.175	0.025	0.312	3.88E-12	-0.003	0.003	0.179	0.013	48.160	TRUE	1.32E-11
FEV1FVC	XBP1	cg00651286	rs74720230	C	A	0.513	0.060	0.045	7.02E-18	-0.010	0.006	0.076	0.020	74.171	TRUE	5.55E-17
FEV1FVC	XBP1	cg00651286	rs80338436	A	G	1.413	0.049	0.055	1.24E-181	-0.004	0.005	0.431	0.182	825.481	TRUE	4.27E-167
FEV1FVC	XBP1	cg11188618	rs73399615	A	G	0.393	0.052	0.055	4.74E-14	-0.004	0.005	0.430	0.015	56.804	TRUE	1.31E-13
FEV1FVC	XBP1	cg18940763	rs2881496	C	G	-0.420	0.036	0.126	7.09E-32	-0.009	0.004	0.015	0.036	137.981	TRUE	4.93E-30
FEV1FVC	XBP1	cg18940763	rs79624583	T	C	-0.381	0.068	0.029	1.89E-08	-0.001	0.007	0.860	0.008	31.591	TRUE	2.56E-08
FEV1FVC	YWHAZ	cg04962480	rs117524111	T	C	-0.320	0.051	0.059	2.97E-10	0.002	0.005	0.681	0.011	39.672	TRUE	5.04E-10
FEV1FVC	YWHAZ	cg04962480	rs12543732	A	T	0.285	0.050	0.066	8.94E-09	0.001	0.005	0.876	0.009	33.041	TRUE	1.22E-08
FEV1FVC	YWHAZ	cg04962480	rs2102291	T	G	0.331	0.028	0.288	6.04E-33	-0.005	0.003	0.047	0.037	142.870	TRUE	2.79E-31
FEV1FVC	YWHAZ	cg04962480	rs3105460	A	G	0.649	0.025	0.384	9.91E-154	-0.006	0.003	0.018	0.159	697.229	TRUE	3.55E-141
FEV1FVC	YWHAZ	cg04962480	rs34933106	G	C	-0.200	0.029	0.248	5.06E-12	-0.002	0.003	0.413	0.013	47.637	TRUE	1.23E-11
FEV1FVC	YWHAZ	cg04962480	rs36059344	T	C	-0.312	0.054	0.114	9.03E-09	0.002	0.004	0.648	0.009	33.022	TRUE	1.47E-08
FEV1FVC	ZBTB22	cg06477487	rs469064	A	C	-0.129	0.023	0.498	2.01E-08	0.009	0.002	1.88E-04	0.008	31.465	TRUE	1.79E-07
FEV1FVC	ZBTB22	cg08255964	rs3106194	A	G	-0.203	0.026	0.310	2.04E-15	0.002	0.003	0.559	0.017	62.997	TRUE	5.20E-15
FEV1FVC	ZBTB22	cg10585379	rs3130256	A	G	-0.170	0.025	0.350	9.20E-12	0.005	0.003	0.038	0.012	46.466	TRUE	4.99E-11
FEV1FVC	ZBTB22	cg26919618	rs3106194	A	G	-0.173	0.028	0.310	3.98E-10	0.002	0.003	0.559	0.010	39.100	TRUE	7.40E-10
FEV1FVC	ZC3H12A	cg01937809	rs145149767	T	C	-0.269	0.035	0.123	1.78E-14	-0.002	0.004	0.529	0.016	58.727	TRUE	4.49E-14
FEV1FVC	ZC3H12A	cg03140118	rs10908340	G	A	-0.164	0.024	0.473	5.90E-12	0.005	0.002	0.033	0.013	47.335	TRUE	3.36E-11
FEV1FVC	ZC3H12A	cg03140118	rs10908365	G	C	0.159	0.025	0.316	3.66E-10	-0.007	0.003	0.007	0.011	39.265	TRUE	2.50E-09
FEV1FVC	ZC3H12A	cg03140118	rs111632933	C	A	0.280	0.050	0.058	1.79E-08	-0.003	0.005	0.583	0.008	31.693	TRUE	2.99E-08
FEV1FVC	ZC3H12A	cg03140118	rs11264035	G	A	0.195	0.024	0.461	3.96E-16	0.000	0.002	0.920	0.018	66.218	TRUE	7.20E-16
FEV1FVC	ZC3H12A	cg03140118	rs11264047	T	C	-0.289	0.046	0.066	2.55E-10	0.011	0.005	0.014	0.011	39.967	TRUE	1.47E-09
FEV1FVC	ZC3H12A	cg03140118	rs11578962	T	G	0.403	0.043	0.074	5.21E-21	-0.021	0.004	9.40E-07	0.023	88.403	TRUE	8.99E-19
FEV1FVC	ZC3H12A	cg03140118	rs11579360	T	G	0.160	0.026	0.282	8.99E-10	-0.003	0.003	0.277	0.010	37.512	TRUE	2.20E-09
FEV1FVC	ZC3H12A	cg03140118	rs11584856	T	C	0.205	0.031	0.179	3.69E-11	-0.005	0.003	0.092	0.012	43.747	TRUE	1.49E-10
FEV1FVC	ZC3H12A	cg03140118	rs12044682	A	T	0.157	0.028	0.222	1.98E-08	-0.001	0.003	0.865	0.008	31.501	TRUE	2.68E-08
FEV1FVC	ZC3H12A	cg03140118	rs12144938	G	C	-0.277	0.030	0.188	5.29E-20	-0.002	0.003	0.443	0.022	83.821	TRUE	2.18E-19
FEV1FVC	ZC3H12A	cg03140118	rs144309017	T	C	0.768	0.103	0.014	7.15E-14	0.015	0.008	0.075	0.015	55.998	TRUE	3.91E-13
FEV1FVC	ZC3H12A	cg03140118	rs146177692	G	A	0.356	0.038	0.102	8.22E-21	0.004	0.004	0.274	0.023	87.502	TRUE	4.70E-20
FEV1FVC	ZC3H12A	cg03140118	rs146684427	G	C	-0.506	0.091	0.034	2.98E-08	0.007	0.007	0.349	0.008	30.703	TRUE	6.03E-08
FEV1FVC	ZC3H12A	cg03140118	rs16824158	G	C	0.489	0.084	0.029	5.32E-09	-0.009	0.007	0.222	0.009	34.050	TRUE	1.34E-08

FEV1FVC	ZC3H12A	cg03140118	rs35537303	A	G	-0.264	0.027	0.246	4.27E-22	0.002	0.003	0.468	0.025	93.351	TRUE	1.95E-21
FEV1FVC	ZC3H12A	cg03140118	rs61780479	T	C	-0.420	0.029	0.203	9.83E-47	0.003	0.003	0.412	0.053	205.971	TRUE	5.23E-45
FEV1FVC	ZC3H12A	cg03140118	rs71640742	C	A	-0.245	0.040	0.097	6.11E-10	0.005	0.004	0.195	0.010	38.266	TRUE	1.71E-09
FEV1FVC	ZC3H12A	cg03140118	rs75500832	A	C	0.278	0.040	0.095	4.87E-12	0.000	0.004	0.944	0.013	47.712	TRUE	7.24E-12
FEV1FVC	ZC3H12A	cg03140118	rs75785507	A	G	0.672	0.023	0.341	2.72E-181	-0.005	0.003	0.048	0.182	823.920	TRUE	1.85E-165
FEV1FVC	ZC3H12A	cg08857221	rs145149767	T	C	-0.231	0.035	0.123	4.06E-11	-0.002	0.004	0.529	0.012	43.561	TRUE	8.31E-11
FEV1FVC	ZC3H12A	cg08857221	rs2660566	A	G	-0.147	0.023	0.458	3.82E-10	-0.006	0.002	0.012	0.010	39.179	TRUE	2.24E-09
FEV1FVC	ZC3H12A	cg08857221	rs72917904	A	G	-0.891	0.163	0.011	4.67E-08	-0.002	0.014	0.868	0.008	29.833	TRUE	6.21E-08
FEV1FVC	ZC3H12A	cg15949277	rs75785507	A	G	0.241	0.024	0.341	1.37E-23	-0.005	0.003	0.048	0.026	100.159	TRUE	2.27E-22
FEV1FVC	ZC3H12A	cg16371538	rs10908353	G	A	0.179	0.030	0.187	3.82E-09	-0.002	0.003	0.467	0.009	34.695	TRUE	7.37E-09
FEV1FVC	ZC3H12A	cg16371538	rs10908365	G	C	-0.176	0.025	0.316	3.96E-12	-0.007	0.003	0.007	0.013	48.116	TRUE	3.48E-11
FEV1FVC	ZC3H12A	cg16371538	rs11264057	G	T	0.310	0.043	0.077	4.71E-13	0.008	0.004	0.057	0.014	52.294	TRUE	2.60E-12
FEV1FVC	ZC3H12A	cg16371538	rs114745536	C	T	-0.237	0.043	0.074	4.16E-08	-0.021	0.004	1.06E-06	0.008	30.059	TRUE	6.43E-07
FEV1FVC	ZC3H12A	cg16371538	rs12128064	C	A	-0.233	0.036	0.116	1.13E-10	0.000	0.004	0.902	0.011	41.564	TRUE	1.62E-10
FEV1FVC	ZC3H12A	cg16371538	rs2660566	A	G	-0.494	0.023	0.458	4.14E-104	-0.006	0.002	0.012	0.113	469.237	TRUE	6.79E-97
FEV1FVC	ZC3H12A	cg16371538	rs2745492	A	G	0.200	0.028	0.229	1.60E-12	-0.004	0.003	0.190	0.013	49.896	TRUE	5.65E-12
FEV1FVC	ZC3H12A	cg16371538	rs2811626	C	T	-0.220	0.027	0.253	2.52E-16	0.000	0.003	0.871	0.018	67.114	TRUE	4.86E-16
FEV1FVC	ZC3H12A	cg16371538	rs34544045	T	C	-0.146	0.026	0.277	2.42E-08	-0.006	0.003	0.026	0.008	31.112	TRUE	1.00E-07
FEV1FVC	ZC3H12A	cg16371538	rs56008308	C	T	0.192	0.028	0.224	5.58E-12	0.005	0.003	0.098	0.013	47.447	TRUE	2.40E-11
FEV1FVC	ZC3H12A	cg16371538	rs61778057	A	T	0.322	0.033	0.154	1.05E-22	0.009	0.003	0.008	0.025	96.117	TRUE	3.01E-21
FEV1FVC	ZC3H12A	cg16371538	rs74066222	A	G	-0.393	0.034	0.129	1.06E-30	-0.001	0.004	0.855	0.035	132.618	TRUE	5.40E-30
FEV1FVC	ZC3H12A	cg16371538	rs7529580	G	A	0.190	0.028	0.231	7.80E-12	0.002	0.003	0.469	0.012	46.790	TRUE	1.75E-11
FEV1FVC	ZC3H12A	cg19872095	rs2660566	A	G	-0.141	0.023	0.458	1.95E-09	-0.006	0.002	0.012	0.010	36.004	TRUE	1.05E-08
FEV1FVC	ZC3H12A	cg24635860	rs114886934	T	C	0.796	0.089	0.044	2.45E-19	0.007	0.007	0.258	0.021	80.790	TRUE	1.29E-18
FEV1FVC	ZC3H12A	cg24635860	rs75785507	A	G	0.188	0.024	0.341	1.75E-14	-0.005	0.003	0.048	0.016	58.768	TRUE	1.15E-13
FEV1FVC	ZC3HC1	cg05055930	rs113556837	C	T	-0.440	0.045	0.071	3.67E-22	-0.005	0.005	0.267	0.025	93.653	TRUE	2.41E-21
FEV1FVC	ZC3HC1	cg05055930	rs117492117	A	G	-0.355	0.062	0.041	1.35E-08	0.003	0.006	0.583	0.009	32.238	TRUE	2.28E-08
FEV1FVC	ZC3HC1	cg05055930	rs117769781	T	C	-0.525	0.092	0.013	1.13E-08	-0.010	0.010	0.307	0.009	32.579	TRUE	2.48E-08
FEV1FVC	ZC3HC1	cg05055930	rs13222487	T	C	-0.570	0.024	0.336	4.88E-128	-0.008	0.003	0.003	0.135	579.160	TRUE	5.66E-118
FEV1FVC	ZC3HC1	cg05055930	rs2291457	G	C	-0.143	0.025	0.295	2.06E-08	-0.005	0.003	0.045	0.008	31.423	TRUE	7.61E-08
FEV1FVC	ZC3HC1	cg05055930	rs2402983	G	A	-0.170	0.024	0.385	1.71E-12	0.000	0.003	0.976	0.013	49.764	TRUE	2.53E-12
FEV1FVC	ZC3HC1	cg05055930	rs4731661	G	C	-0.219	0.029	0.196	4.88E-14	-0.002	0.003	0.578	0.015	56.749	TRUE	1.13E-13
FEV1FVC	ZC3HC1	cg05055930	rs6956444	G	A	0.307	0.052	0.055	4.57E-09	0.003	0.005	0.607	0.009	34.345	TRUE	7.74E-09
FEV1FVC	ZC3HC1	cg05055930	rs73144794	T	C	0.233	0.028	0.244	3.35E-17	0.002	0.003	0.416	0.019	71.088	TRUE	1.16E-16
FEV1FVC	ZC3HC1	cg05055930	rs77153860	C	A	-0.337	0.059	0.036	1.06E-08	-0.015	0.006	0.013	0.009	32.711	TRUE	5.24E-08
FEV1FVC	ZC3HC1	cg05055930	rs7803250	A	G	-0.387	0.064	0.031	1.32E-09	-0.006	0.007	0.402	0.010	36.770	TRUE	2.74E-09
FEV1FVC	ZMYND11	cg09859564	rs118088467	A	G	0.540	0.059	0.039	4.69E-20	0.014	0.006	0.034	0.022	84.060	TRUE	6.16E-19
FEV1FVC	ZMYND11	cg16346588	rs112223021	C	T	0.831	0.129	0.018	1.34E-10	0.006	0.009	0.509	0.011	41.222	TRUE	2.69E-10
FEV1FVC	ZMYND11	cg16346588	rs11250781	T	A	1.086	0.018	0.298	<1E-200	0.005	0.003	0.079	0.496	3641.800	TRUE	<1E-200
FEV1FVC	ZMYND11	cg16346588	rs11252614	A	G	-0.413	0.054	0.047	1.70E-14	-0.003	0.005	0.647	0.016	58.821	TRUE	3.77E-14
FEV1FVC	ZMYND11	cg16346588	rs11252681	A	G	-0.356	0.055	0.042	8.90E-11	-0.008	0.006	0.180	0.011	42.027	TRUE	2.75E-10
FEV1FVC	ZMYND11	cg16346588	rs11253289	A	G	0.490	0.062	0.036	2.89E-15	-0.001	0.007	0.868	0.017	62.304	TRUE	5.35E-15

FEV1FVC	ZMYND11	cg16346588	rs117744038	C	T	-0.438	0.070	0.033	3.92E-10	0.013	0.007	0.058	0.010	39.130	TRUE	1.62E-09
FEV1FVC	ZMYND11	cg16346588	rs12248939	A	G	0.366	0.031	0.180	1.16E-32	0.002	0.003	0.566	0.037	141.579	TRUE	1.10E-31
FEV1FVC	ZMYND11	cg16346588	rs141458594	T	C	0.891	0.117	0.020	2.38E-14	0.010	0.008	0.199	0.015	58.160	TRUE	9.49E-14
FEV1FVC	ZMYND11	cg16346588	rs150191422	C	T	0.565	0.085	0.019	2.24E-11	0.002	0.009	0.862	0.012	44.722	TRUE	3.44E-11
FEV1FVC	ZMYND11	cg16346588	rs17159676	C	A	-0.414	0.063	0.041	4.56E-11	0.000	0.007	0.984	0.012	43.335	TRUE	6.25E-11
FEV1FVC	ZMYND11	cg16346588	rs17221211	T	C	-0.318	0.052	0.058	6.97E-10	-0.008	0.005	0.099	0.010	38.009	TRUE	2.42E-09
FEV1FVC	ZMYND11	cg16346588	rs2127608	T	C	-0.167	0.023	0.479	5.95E-13	-0.002	0.002	0.350	0.014	51.834	TRUE	1.65E-12
FEV1FVC	ZMYND11	cg16346588	rs2303991	G	A	-0.460	0.040	0.099	5.74E-31	0.002	0.004	0.598	0.035	133.831	TRUE	4.47E-30
FEV1FVC	ZMYND11	cg16346588	rs2379080	C	T	-0.445	0.026	0.266	7.80E-65	-0.001	0.003	0.773	0.072	288.948	TRUE	1.93E-62
FEV1FVC	ZMYND11	cg16346588	rs35610094	A	G	0.837	0.123	0.024	1.08E-11	0.016	0.012	0.201	0.012	46.151	TRUE	3.46E-11
FEV1FVC	ZMYND11	cg16346588	rs3740303	A	G	1.081	0.061	0.036	3.26E-70	-0.003	0.006	0.655	0.078	313.620	TRUE	2.22E-67
FEV1FVC	ZMYND11	cg16346588	rs573713779	A	G	0.755	0.101	0.011	8.32E-14	0.008	0.010	0.421	0.015	55.698	TRUE	2.27E-13
FEV1FVC	ZMYND11	cg16346588	rs61831030	T	C	-0.427	0.024	0.351	1.71E-70	-0.001	0.003	0.726	0.078	314.913	TRUE	1.05E-67
FEV1FVC	ZMYND11	cg16346588	rs6560824	C	T	-0.482	0.077	0.025	4.45E-10	0.004	0.011	0.744	0.010	38.884	TRUE	7.09E-10
FEV1FVC	ZMYND11	cg16346588	rs72772812	T	C	0.758	0.052	0.049	4.21E-48	0.005	0.005	0.388	0.054	212.237	TRUE	2.85E-46
FEV1FVC	ZMYND11	cg16346588	rs77098264	C	T	0.815	0.059	0.042	7.79E-44	0.012	0.006	0.040	0.050	192.694	TRUE	1.55E-41
FEV1FVC	ZMYND11	cg16346588	rs77948592	A	C	0.702	0.056	0.042	3.31E-36	-0.005	0.006	0.427	0.041	157.782	TRUE	5.61E-35
FEV1FVC	ZMYND11	cg26100059	rs1431845	A	G	0.241	0.027	0.253	4.28E-19	0.000	0.003	0.972	0.021	79.693	TRUE	8.76E-19
FEV1FVC	ZNF385A	cg04964471	rs2700151	C	A	0.226	0.030	0.194	1.94E-14	-0.009	0.003	0.005	0.016	58.564	TRUE	2.44E-13
FEV1FVC	ZNF385A	cg09457245	rs3825192	G	A	0.213	0.032	0.424	2.18E-11	-0.007	0.002	0.006	0.012	44.777	TRUE	1.69E-10
FEV1FVC	ZNF385A	cg21163444	rs2272470	T	C	0.214	0.027	0.258	1.48E-15	-0.005	0.003	0.053	0.017	63.623	TRUE	1.06E-14
FEV1FVC	ZNF385A	cg21163444	rs2700153	A	C	0.629	0.029	0.191	7.52E-104	-0.008	0.003	0.008	0.112	468.044	TRUE	1.63E-96
FEV1FVC	ZNF385A	cg21163444	rs71447720	C	A	-0.171	0.026	0.286	5.74E-11	0.001	0.003	0.756	0.011	42.885	TRUE	9.44E-11
FEV1FVC	ZNF385A	cg21163444	rs7308217	C	T	0.270	0.035	0.128	1.20E-14	-0.009	0.004	0.015	0.016	59.508	TRUE	1.11E-13
FEV1FVC	ZNF385A	cg21163444	rs80009617	C	T	0.790	0.097	0.012	3.11E-16	-0.002	0.009	0.829	0.018	66.698	TRUE	6.32E-16
FEV1FVC	ZNF385A	cg22824738	rs11170881	G	A	0.194	0.035	0.127	3.19E-08	-0.009	0.004	0.013	0.008	30.573	TRUE	1.44E-07
FEV1FVC	ZNF385A	cg22824738	rs2700151	C	A	0.485	0.029	0.194	2.01E-61	-0.009	0.003	0.005	0.069	273.305	TRUE	1.67E-57
FEV1FVC	ZNF385A	cg22824738	rs80009617	C	T	0.772	0.097	0.012	1.29E-15	-0.002	0.009	0.829	0.017	63.897	TRUE	2.53E-15
FEV1FVC	ZNF385A	cg23085049	rs11170900	T	C	0.653	0.058	0.111	4.30E-29	-0.004	0.004	0.274	0.033	125.267	TRUE	5.10E-28
FEV1FVC	ZNF385A	cg23085049	rs7305527	T	A	-0.141	0.024	0.352	7.57E-09	0.001	0.003	0.625	0.009	33.363	TRUE	1.24E-08
PEF	ACO1	cg13572911	rs10758128	T	G	0.130	0.023	0.477	2.15E-08	0.003	0.003	0.247	0.008	31.334	TRUE	5.33E-08
PEF	ACO1	cg13572911	rs867469	G	A	-0.274	0.023	0.419	3.88E-32	-0.005	0.003	0.037	0.036	139.175	TRUE	2.33E-30
PEF	ACSF2	cg05346527	rs17641232	C	T	-0.200	0.026	0.301	5.68E-15	0.008	0.003	0.006	0.016	60.975	TRUE	8.72E-14
PEF	ACSF2	cg06958829	rs2277629	G	A	-0.215	0.026	0.293	8.96E-17	0.008	0.003	0.006	0.018	69.148	TRUE	1.65E-15
PEF	ACSF2	cg14672994	rs117262720	A	G	0.255	0.042	0.082	1.18E-09	0.005	0.004	0.208	0.010	36.978	TRUE	3.46E-09
PEF	ACSF2	cg14672994	rs12450550	C	T	-0.200	0.026	0.286	1.09E-14	-0.009	0.003	0.001	0.016	59.691	TRUE	2.32E-13
PEF	ACSF2	cg14672994	rs198551	A	G	0.131	0.023	0.474	2.24E-08	0.005	0.003	0.065	0.008	31.258	TRUE	8.36E-08
PEF	ACSF2	cg14672994	rs2277631	A	C	0.491	0.025	0.292	1.64E-83	0.008	0.003	0.006	0.092	374.649	TRUE	1.05E-77
PEF	ACSF2	cg14672994	rs3760406	A	C	-0.236	0.031	0.178	4.34E-14	-0.001	0.003	0.791	0.015	56.976	TRUE	8.66E-14
PEF	ACSF2	cg14672994	rs7207158	T	C	-0.143	0.025	0.367	7.19E-09	0.005	0.003	0.074	0.009	33.465	TRUE	2.66E-08
PEF	ACSF2	cg14672994	rs7215760	G	A	0.153	0.024	0.409	1.60E-10	0.005	0.003	0.039	0.011	40.878	TRUE	8.62E-10
PEF	ACSF2	cg14767768	rs2305998	G	C	0.165	0.026	0.295	9.26E-11	0.008	0.003	0.004	0.011	41.950	TRUE	8.67E-10

PEF	ACSF2	cg17890928	rs2277629	G	A	-0.186	0.026	0.293	7.06E-13	0.008	0.003	0.006	0.014	51.499	TRUE	7.85E-12
PEF	ACSF2	cg19748341	rs4794144	G	A	0.173	0.025	0.303	8.20E-12	0.007	0.003	0.007	0.012	46.693	TRUE	8.05E-11
PEF	ACSF2	cg22002216	rs6504657	C	T	0.261	0.026	0.300	2.55E-24	0.007	0.003	0.007	0.027	103.485	TRUE	1.14E-22
PEF	ACSF2	cg23674344	rs1132414	G	A	0.226	0.027	0.247	2.07E-16	0.006	0.003	0.039	0.018	67.497	TRUE	2.13E-15
PEF	ACSF2	cg23674344	rs113484279	A	G	0.500	0.084	0.020	2.44E-09	0.010	0.007	0.159	0.010	35.565	TRUE	7.59E-09
PEF	ACSF2	cg23674344	rs117262720	A	G	0.485	0.042	0.082	2.28E-31	0.005	0.004	0.208	0.035	135.661	TRUE	5.00E-30
PEF	ACSF2	cg23674344	rs12953066	C	T	-0.139	0.025	0.327	2.57E-08	-0.008	0.003	0.002	0.008	30.994	TRUE	1.86E-07
PEF	ACSF2	cg23674344	rs1460212	A	C	-0.327	0.030	0.197	1.64E-27	-0.002	0.003	0.527	0.031	118.045	TRUE	1.22E-26
PEF	ACSF2	cg23674344	rs2189712	T	A	-0.275	0.026	0.285	1.40E-26	-0.009	0.003	0.001	0.030	113.792	TRUE	1.60E-24
PEF	ACSF2	cg23674344	rs2277631	A	C	0.618	0.025	0.292	1.32E-134	0.008	0.003	0.006	0.141	609.345	TRUE	1.41E-123
PEF	ACSF2	cg23674344	rs2412315	A	G	-0.223	0.037	0.112	1.66E-09	-0.001	0.004	0.745	0.010	36.319	TRUE	2.67E-09
PEF	ACSF2	cg23674344	rs7212308	T	C	0.167	0.026	0.291	1.14E-10	0.005	0.003	0.092	0.011	41.549	TRUE	4.79E-10
PEF	ACSF2	cg25792518	rs35269615	A	G	-0.165	0.025	0.363	2.01E-11	0.011	0.003	5.55E-05	0.012	44.939	TRUE	4.43E-10
PEF	ACSL1	cg00287477	rs35422493	A	G	-0.178	0.031	0.175	6.12E-09	0.004	0.003	0.255	0.009	33.777	TRUE	1.55E-08
PEF	ACSL1	cg00372249	rs10471182	C	A	-0.296	0.030	0.183	1.82E-23	0.001	0.003	0.772	0.026	99.595	TRUE	6.63E-23
PEF	ACSL1	cg00372249	rs11132258	A	G	-0.322	0.034	0.134	1.33E-21	0.001	0.004	0.901	0.024	91.104	TRUE	3.71E-21
PEF	ACSL1	cg00372249	rs3796688	T	C	-0.253	0.027	0.227	2.04E-20	-0.002	0.003	0.441	0.023	85.706	TRUE	9.61E-20
PEF	ACSL1	cg00372249	rs4862437	A	G	-0.513	0.026	0.269	8.14E-88	-0.003	0.003	0.297	0.096	394.415	TRUE	4.76E-83
PEF	ACSL1	cg00372249	rs59712748	T	C	0.191	0.028	0.224	1.33E-11	0.003	0.003	0.345	0.012	45.752	TRUE	3.66E-11
PEF	ACSL1	cg00372249	rs62338230	T	C	0.350	0.037	0.121	1.40E-21	0.002	0.004	0.650	0.024	91.003	TRUE	5.36E-21
PEF	ACSL1	cg00372249	rs62340877	A	G	0.767	0.028	0.189	6.00E-162	0.003	0.003	0.283	0.166	735.001	TRUE	2.33E-149
PEF	ACSL1	cg00372249	rs72691802	T	G	-0.365	0.041	0.089	2.95E-19	0.000	0.004	0.941	0.021	80.430	TRUE	6.66E-19
PEF	ACSL1	cg01714284	rs11732302	C	T	0.552	0.081	0.022	1.22E-11	-0.021	0.009	0.020	0.012	45.921	TRUE	8.82E-11
PEF	ACSL1	cg01714284	rs13127985	C	T	0.255	0.024	0.390	8.92E-26	0.002	0.003	0.546	0.029	110.128	TRUE	5.57E-25
PEF	ACSL1	cg01714284	rs2696051	G	T	-0.214	0.029	0.212	9.70E-14	0.000	0.003	0.999	0.015	55.398	TRUE	1.54E-13
PEF	ACSL1	cg01714284	rs34653881	C	G	-0.162	0.027	0.260	2.64E-09	0.004	0.003	0.186	0.009	35.413	TRUE	7.79E-09
PEF	ACSL1	cg01714284	rs7686479	C	T	-0.660	0.034	0.141	7.75E-85	0.000	0.004	0.996	0.093	380.740	TRUE	3.18E-81
PEF	ACSL1	cg01899937	rs10471182	C	A	0.169	0.030	0.183	1.35E-08	0.001	0.003	0.772	0.009	32.239	TRUE	2.01E-08
PEF	ACSL1	cg01899937	rs1049216	G	A	0.179	0.027	0.253	2.74E-11	-0.004	0.003	0.125	0.012	44.331	TRUE	1.10E-10
PEF	ACSL1	cg01899937	rs11132258	A	G	0.223	0.034	0.134	4.13E-11	0.001	0.004	0.901	0.012	43.529	TRUE	6.36E-11
PEF	ACSL1	cg01899937	rs56092939	C	T	-0.299	0.035	0.135	1.50E-17	0.000	0.004	0.940	0.019	72.679	TRUE	3.10E-17
PEF	ACSL1	cg01899937	rs62340877	A	G	0.164	0.030	0.189	3.30E-08	0.003	0.003	0.283	0.008	30.509	TRUE	7.75E-08
PEF	ACSL1	cg01899937	rs6552828	A	G	0.379	0.024	0.398	4.10E-57	-0.001	0.003	0.694	0.064	253.540	TRUE	5.23E-55
PEF	ACSL1	cg01899937	rs67824824	T	C	0.154	0.024	0.454	6.26E-11	-0.002	0.003	0.566	0.011	42.716	TRUE	1.31E-10
PEF	ACSL1	cg03977443	rs10471182	C	A	-0.184	0.030	0.183	5.59E-10	0.001	0.003	0.772	0.010	38.437	TRUE	8.94E-10
PEF	ACSL1	cg03977443	rs28478646	A	G	0.161	0.024	0.369	2.79E-11	0.005	0.003	0.047	0.012	44.293	TRUE	1.51E-10
PEF	ACSL1	cg03977443	rs55752756	A	G	0.275	0.032	0.164	6.89E-18	0.000	0.003	0.902	0.020	74.207	TRUE	1.50E-17
PEF	ACSL1	cg03977443	rs7665170	T	C	0.174	0.024	0.444	2.56E-13	0.000	0.003	0.868	0.014	53.493	TRUE	4.48E-13
PEF	ACSL1	cg04880280	rs116578666	C	T	-0.552	0.091	0.031	1.30E-09	-0.004	0.007	0.542	0.010	36.790	TRUE	2.53E-09
PEF	ACSL1	cg07730946	rs12512699	A	G	0.137	0.023	0.420	4.20E-09	0.000	0.003	0.884	0.009	34.512	TRUE	5.96E-09
PEF	ACSL1	cg07942479	rs4862426	T	C	-0.328	0.050	0.047	5.74E-11	0.001	0.006	0.806	0.011	42.884	TRUE	9.45E-11
PEF	ACSL1	cg07942479	rs6833829	C	T	0.496	0.031	0.167	1.11E-56	0.005	0.003	0.167	0.064	251.555	TRUE	6.76E-54

PEF	ACSL1	cg07942479	rs72695628	A	G	0.243	0.031	0.165	1.13E-14	0.000	0.003	0.907	0.016	59.617	TRUE	2.06E-14
PEF	ACSL1	cg07942479	rs7676928	G	A	0.186	0.023	0.473	1.29E-15	-0.005	0.003	0.036	0.017	63.888	TRUE	1.27E-14
PEF	ACSL1	cg20410192	rs112231838	T	C	-0.249	0.027	0.230	8.03E-20	-0.006	0.003	0.042	0.022	82.999	TRUE	1.17E-18
PEF	ACSL1	cg20823481	rs10471182	C	A	-0.174	0.030	0.183	4.84E-09	0.001	0.003	0.772	0.009	34.235	TRUE	7.37E-09
PEF	ACSL1	cg20823481	rs13102616	G	T	0.493	0.029	0.190	6.07E-64	0.003	0.003	0.304	0.072	284.859	TRUE	5.90E-61
PEF	ACSL1	cg20823481	rs67824824	T	C	0.169	0.024	0.454	6.26E-13	-0.002	0.003	0.566	0.014	51.736	TRUE	1.49E-12
PEF	ACSL1	cg20823481	rs6824822	C	T	-0.190	0.025	0.360	1.02E-14	-0.003	0.003	0.282	0.016	59.829	TRUE	3.99E-14
PEF	ACSL1	cg24721647	rs12503643	T	G	0.146	0.024	0.397	9.75E-10	-0.002	0.003	0.505	0.010	37.355	TRUE	1.96E-09
PEF	ACSL1	cg24721647	rs1532126	A	G	-0.153	0.027	0.237	2.08E-08	0.001	0.003	0.838	0.008	31.397	TRUE	2.95E-08
PEF	ACSL1	cg24721647	rs34008878	A	G	0.175	0.024	0.361	4.34E-13	0.005	0.003	0.074	0.014	52.455	TRUE	2.56E-12
PEF	ACSL1	cg24721647	rs532094948	G	A	0.197	0.036	0.122	4.51E-08	0.000	0.004	0.941	0.008	29.901	TRUE	5.85E-08
PEF	ACSL1	cg24721647	rs7665170	T	C	0.203	0.024	0.444	1.32E-17	0.000	0.003	0.868	0.019	72.925	TRUE	2.94E-17
PEF	ACSL1	cg27112742	rs12108497	T	C	-0.178	0.027	0.279	3.77E-11	0.001	0.003	0.691	0.012	43.708	TRUE	6.94E-11
PEF	ACSL1	cg27112742	rs58825159	G	A	0.207	0.027	0.259	2.24E-14	-0.002	0.003	0.511	0.016	58.274	TRUE	6.15E-14
PEF	ACSL1	cg27112742	rs67469410	T	A	-0.207	0.032	0.164	2.08E-10	0.005	0.003	0.130	0.011	40.367	TRUE	7.68E-10
PEF	ACSL1	cg27112742	rs72689214	C	G	-0.233	0.031	0.179	2.45E-14	-0.005	0.003	0.144	0.015	58.099	TRUE	1.28E-13
PEF	ACSL1	cg27112742	rs72695636	T	C	-0.545	0.031	0.167	2.46E-67	0.000	0.003	0.999	0.075	300.418	TRUE	6.58E-65
PEF	ACSL1	cg27571769	rs7680850	C	T	0.217	0.027	0.331	8.64E-16	0.002	0.003	0.462	0.017	64.683	TRUE	2.80E-15
PEF	AGRP	cg06285333	rs111986796	T	C	0.614	0.091	0.020	1.23E-11	-0.005	0.010	0.668	0.012	45.897	TRUE	2.40E-11
PEF	AGRP	cg06285333	rs6499130	T	G	-0.365	0.043	0.076	3.38E-17	0.007	0.005	0.124	0.019	71.073	TRUE	2.44E-16
PEF	AIRE	cg03146797	rs1055311	T	C	0.324	0.026	0.283	1.17E-36	0.001	0.003	0.843	0.041	159.843	TRUE	1.19E-35
PEF	AIRE	cg03146797	rs12482028	C	T	-0.183	0.027	0.227	1.84E-11	-0.002	0.003	0.607	0.012	45.113	TRUE	3.80E-11
PEF	AIRE	cg08089567	rs2838534	C	T	-0.256	0.042	0.083	1.10E-09	0.012	0.005	0.009	0.010	37.113	TRUE	7.46E-09
PEF	AIRE	cg09510531	rs2741985	C	T	-0.140	0.024	0.366	6.59E-09	0.002	0.003	0.486	0.009	33.633	TRUE	1.29E-08
PEF	AIRE	cg09510531	rs2776375	A	G	0.144	0.024	0.427	1.88E-09	0.001	0.003	0.625	0.010	36.071	TRUE	3.30E-09
PEF	AIRE	cg09510531	rs2838534	C	T	-0.287	0.042	0.083	7.13E-12	0.012	0.005	0.009	0.013	46.967	TRUE	6.44E-11
PEF	AIRE	cg11923631	rs2741985	C	T	-0.150	0.024	0.366	4.79E-10	0.002	0.003	0.486	0.010	38.742	TRUE	1.01E-09
PEF	AIRE	cg11923631	rs2838534	C	T	-0.287	0.042	0.083	7.00E-12	0.012	0.005	0.009	0.013	47.002	TRUE	6.34E-11
PEF	AIRE	cg11923631	rs762420	A	G	-0.212	0.039	0.102	4.11E-08	-0.006	0.004	0.122	0.008	30.079	TRUE	1.24E-07
PEF	AIRE	cg16501323	rs2776375	A	G	0.141	0.024	0.427	3.88E-09	0.001	0.003	0.625	0.009	34.662	TRUE	6.68E-09
PEF	AIRE	cg16501323	rs2838534	C	T	-0.303	0.042	0.083	4.63E-13	0.012	0.005	0.009	0.014	52.329	TRUE	4.88E-12
PEF	AIRE	cg16717549	rs2838534	C	T	-0.292	0.042	0.083	3.25E-12	0.012	0.005	0.009	0.013	48.504	TRUE	3.08E-11
PEF	AIRE	cg16717549	rs762420	A	G	-0.211	0.039	0.102	4.71E-08	-0.006	0.004	0.122	0.008	29.818	TRUE	1.41E-07
PEF	AIRE	cg17356252	rs2838534	C	T	-0.250	0.042	0.083	2.65E-09	0.012	0.005	0.009	0.009	35.410	TRUE	1.70E-08
PEF	AIRE	cg18689454	rs2838534	C	T	-0.309	0.042	0.083	1.68E-13	0.012	0.005	0.009	0.014	54.324	TRUE	1.87E-12
PEF	AIRE	cg27251412	rs2838534	C	T	-0.283	0.042	0.083	1.55E-11	0.012	0.005	0.009	0.012	45.444	TRUE	1.34E-10
PEF	AKR1C1	cg07639198	rs10904387	T	C	0.163	0.026	0.284	7.11E-10	0.003	0.003	0.320	0.010	37.969	TRUE	1.80E-09
PEF	AKR1C1	cg07639198	rs111970989	T	G	0.235	0.037	0.115	1.68E-10	0.003	0.004	0.376	0.011	40.780	TRUE	4.11E-10
PEF	AKR1C1	cg07639198	rs141039134	C	A	-0.990	0.024	0.216	<1E-200	0.008	0.003	0.007	0.322	1760.319	TRUE	<1E-200
PEF	AKR1C1	cg07639198	rs2275928	G	A	-0.142	0.024	0.404	4.57E-09	0.001	0.003	0.752	0.009	34.348	TRUE	7.12E-09
PEF	AKR1C1	cg07639198	rs2961605	T	A	-0.347	0.031	0.156	6.57E-29	0.007	0.004	0.050	0.033	124.428	TRUE	2.41E-27
PEF	AKR1C1	cg07639198	rs7073738	A	G	0.286	0.031	0.169	7.22E-21	-0.017	0.003	4.49E-07	0.023	87.758	TRUE	2.01E-18

PEF	AKR1C1	cg07639198	rs7902430	T	G	0.280	0.025	0.322	2.79E-29	0.000	0.003	0.881	0.033	126.129	TRUE	1.38E-28
PEF	AKR1C1	cg07639198	rs7908010	C	G	0.238	0.037	0.113	7.29E-11	-0.001	0.004	0.782	0.011	42.418	TRUE	1.22E-10
PEF	AKR1C1	cg10568634	rs11252850	C	A	0.375	0.042	0.085	8.45E-19	0.005	0.005	0.253	0.021	78.350	TRUE	4.99E-18
PEF	AKR1C1	cg10568634	rs11252869	A	G	0.294	0.044	0.081	1.47E-11	0.007	0.005	0.156	0.012	45.551	TRUE	5.68E-11
PEF	AKR1C1	cg10568634	rs112734695	G	T	-0.553	0.090	0.019	7.98E-10	-0.002	0.008	0.838	0.010	37.744	TRUE	1.21E-09
PEF	AKR1C1	cg10568634	rs11817141	C	T	-0.484	0.041	0.089	3.04E-32	-0.001	0.004	0.785	0.036	139.664	TRUE	2.22E-31
PEF	AKR1C1	cg10568634	rs12570303	A	C	-0.159	0.027	0.266	2.15E-09	-0.003	0.003	0.312	0.010	35.811	TRUE	5.25E-09
PEF	AKR1C1	cg10568634	rs150857516	A	G	0.304	0.034	0.146	1.73E-19	-0.004	0.004	0.264	0.022	81.482	TRUE	1.07E-18
PEF	AKR1C1	cg10568634	rs2397987	G	A	-0.431	0.025	0.284	1.60E-65	-0.003	0.003	0.366	0.073	292.108	TRUE	1.55E-62
PEF	AKR1C1	cg10568634	rs2924275	G	T	0.246	0.034	0.132	7.55E-13	-0.004	0.004	0.251	0.014	51.369	TRUE	2.72E-12
PEF	AKR1C1	cg10568634	rs2924286	C	T	-0.183	0.024	0.426	2.31E-14	-0.001	0.003	0.576	0.015	58.218	TRUE	5.77E-14
PEF	AKR1C1	cg10568634	rs4500389	C	T	-0.341	0.024	0.375	8.02E-46	-0.005	0.003	0.038	0.052	201.797	TRUE	2.97E-43
PEF	AKR1C1	cg10568634	rs71477874	C	G	-0.839	0.092	0.014	1.08E-19	-0.008	0.012	0.519	0.022	82.414	TRUE	4.30E-19
PEF	AKR1C1	cg10568634	rs7908994	T	C	-0.979	0.034	0.117	1.36E-184	-0.022	0.004	3.10E-08	0.185	839.103	TRUE	2.01E-163
PEF	AKT1	cg01921845	rs10142069	C	T	-0.171	0.026	0.297	4.10E-11	-0.002	0.003	0.539	0.012	43.544	TRUE	8.72E-11
PEF	AKT1	cg01921845	rs1130245	T	C	-0.905	0.072	0.049	6.56E-36	-0.004	0.006	0.534	0.041	156.423	TRUE	1.03E-34
PEF	AKT1	cg01921845	rs12878684	A	G	-0.446	0.041	0.083	8.72E-28	-0.007	0.005	0.132	0.031	119.299	TRUE	1.75E-26
PEF	AKT1	cg01921845	rs2494733	G	C	-0.756	0.023	0.321	6.44E-232	-0.011	0.003	9.28E-05	0.222	1056.685	TRUE	4.73E-205
PEF	AKT1	cg01921845	rs2841214	C	T	-0.299	0.045	0.075	4.58E-11	0.006	0.005	0.240	0.012	43.327	TRUE	1.44E-10
PEF	AKT1	cg01921845	rs56054225	A	G	0.332	0.028	0.217	1.54E-32	-0.006	0.003	0.038	0.037	141.017	TRUE	9.98E-31
PEF	AKT1	cg02072813	rs45490496	A	T	0.144	0.024	0.400	3.21E-09	-0.003	0.003	0.303	0.009	35.034	TRUE	7.90E-09
PEF	AKT1	cg02072813	rs4983540	A	G	0.225	0.029	0.182	1.90E-14	-0.013	0.003	3.31E-05	0.016	58.597	TRUE	7.76E-13
PEF	AKT1	cg02884928	rs10254	T	C	0.589	0.095	0.035	5.12E-10	-0.009	0.007	0.169	0.010	38.610	TRUE	1.67E-09
PEF	AKT1	cg02884928	rs117082627	A	G	-0.793	0.119	0.011	3.21E-11	-0.017	0.013	0.198	0.012	44.020	TRUE	1.10E-10
PEF	AKT1	cg02884928	rs141152411	A	G	-0.766	0.091	0.014	5.21E-17	-0.008	0.008	0.319	0.019	70.217	TRUE	2.29E-16
PEF	AKT1	cg02884928	rs2494752	A	G	-1.094	0.043	0.072	5.92E-146	-0.006	0.005	0.240	0.152	661.492	TRUE	2.89E-135
PEF	AKT1	cg02884928	rs3001410	T	C	-0.206	0.030	0.205	4.76E-12	-0.003	0.003	0.415	0.013	47.756	TRUE	1.27E-11
PEF	AKT1	cg02884928	rs74090038	T	C	0.424	0.026	0.299	3.78E-62	-0.001	0.003	0.611	0.070	276.632	TRUE	1.15E-59
PEF	AKT1	cg04820159	rs2494742	C	G	-0.432	0.044	0.076	4.43E-23	-0.005	0.005	0.349	0.026	97.834	TRUE	3.08E-22
PEF	AKT1	cg04820159	rs36214921	C	G	0.272	0.026	0.300	4.70E-26	-0.001	0.003	0.617	0.029	111.396	TRUE	2.65E-25
PEF	AKT1	cg05726935	rs61759760	T	C	0.242	0.026	0.297	5.05E-21	-0.002	0.003	0.549	0.023	88.465	TRUE	2.14E-20
PEF	AKT1	cg06934468	rs2494748	C	T	0.161	0.024	0.399	1.82E-11	-0.003	0.003	0.227	0.012	45.134	TRUE	5.94E-11
PEF	AKT1	cg12100463	rs61758556	T	A	-0.246	0.036	0.142	8.26E-12	-0.004	0.004	0.217	0.012	46.677	TRUE	2.84E-11
PEF	AKT1	cg12100463	rs61995965	A	G	0.247	0.041	0.086	1.23E-09	-0.006	0.005	0.182	0.010	36.908	TRUE	3.75E-09
PEF	AKT1	cg12789068	rs118174518	C	G	-2.123	0.108	0.012	2.02E-86	-0.002	0.010	0.798	0.095	388.011	TRUE	1.80E-82
PEF	AKT1	cg12789068	rs59804769	C	T	-0.242	0.042	0.103	5.71E-09	0.000	0.004	0.989	0.009	33.914	TRUE	7.45E-09
PEF	AKT1	cg12789068	rs67183455	A	C	-0.226	0.040	0.168	2.10E-08	-0.003	0.004	0.364	0.008	31.381	TRUE	4.52E-08
PEF	AKT1	cg12789068	rs73359086	T	C	-0.273	0.036	0.118	3.38E-14	0.005	0.004	0.173	0.015	57.467	TRUE	1.58E-13
PEF	AKT1	cg12789068	rs8013710	A	G	-0.329	0.047	0.069	3.39E-12	-0.003	0.005	0.507	0.013	48.421	TRUE	8.00E-12
PEF	AKT1	cg13986355	rs2498786	C	G	0.147	0.024	0.392	1.13E-09	-0.003	0.003	0.210	0.010	37.063	TRUE	3.34E-09
PEF	AKT1	cg14184729	rs35455320	G	C	-0.216	0.036	0.117	1.90E-09	-0.011	0.004	0.004	0.010	36.055	TRUE	1.41E-08
PEF	AKT1	cg14184729	rs72715972	A	G	0.330	0.025	0.311	2.31E-40	-0.010	0.003	2.54E-04	0.046	176.802	TRUE	3.55E-37

PEF	AKT1	cg14274357	rs10254	T	C	0.558	0.095	0.035	4.01E-09	-0.009	0.007	0.169	0.009	34.600	TRUE	1.21E-08
PEF	AKT1	cg14274357	rs117082627	A	G	-0.809	0.119	0.011	1.30E-11	-0.017	0.013	0.198	0.012	45.786	TRUE	4.62E-11
PEF	AKT1	cg14274357	rs141152411	A	G	-0.827	0.091	0.014	1.38E-19	-0.008	0.008	0.319	0.022	81.931	TRUE	7.47E-19
PEF	AKT1	cg14274357	rs2498784	A	G	-1.173	0.042	0.072	3.56E-169	-0.006	0.005	0.242	0.172	768.220	TRUE	1.45E-155
PEF	AKT1	cg14274357	rs3001410	T	C	-0.195	0.030	0.205	6.09E-11	-0.003	0.003	0.415	0.011	42.770	TRUE	1.50E-10
PEF	AKT1	cg14274357	rs59578182	A	G	-0.215	0.039	0.099	3.68E-08	0.009	0.004	0.044	0.008	30.293	TRUE	1.45E-07
PEF	AKT1	cg14274357	rs74090038	T	C	0.431	0.025	0.299	4.52E-64	-0.001	0.003	0.611	0.072	285.448	TRUE	1.81E-61
PEF	AKT1	cg15912732	rs1130233	T	C	0.174	0.027	0.244	1.21E-10	-0.010	0.003	7.26E-04	0.011	41.425	TRUE	1.60E-09
PEF	AKT1	cg15912732	rs2494747	G	T	0.483	0.024	0.398	4.65E-92	-0.003	0.003	0.198	0.101	413.893	TRUE	9.15E-87
PEF	AKT1	cg15912732	rs56054225	A	G	-0.155	0.028	0.217	3.53E-08	-0.006	0.003	0.038	0.008	30.375	TRUE	1.43E-07
PEF	AKT1	cg18426060	rs2494735	C	T	-0.177	0.024	0.351	4.76E-13	-0.010	0.003	1.65E-04	0.014	52.272	TRUE	1.19E-11
PEF	AKT1	cg18426060	rs45490496	A	T	-0.392	0.024	0.400	9.67E-61	-0.003	0.003	0.303	0.068	270.173	TRUE	5.92E-58
PEF	AKT1	cg19645788	rs2494747	G	T	0.190	0.024	0.398	5.39E-15	-0.003	0.003	0.198	0.016	61.080	TRUE	2.52E-14
PEF	AKT1	cg19645788	rs56054225	A	G	-0.253	0.028	0.217	2.47E-19	-0.006	0.003	0.038	0.021	80.776	TRUE	3.50E-18
PEF	AKT1	cg19645788	rs7140154	T	C	0.257	0.030	0.191	3.88E-18	-0.002	0.003	0.463	0.020	75.339	TRUE	1.48E-17
PEF	AKT1	cg19645788	rs77631658	G	A	0.636	0.029	0.184	1.03E-109	-0.013	0.003	8.01E-05	0.118	494.977	TRUE	2.92E-100
PEF	AKT1	cg23176538	rs10149779	A	G	0.159	0.026	0.294	9.85E-10	-0.002	0.003	0.523	0.010	37.335	TRUE	1.97E-09
PEF	AKT1	cg23176538	rs3803304	G	C	0.517	0.026	0.254	4.32E-87	-0.013	0.003	1.60E-05	0.096	391.088	TRUE	1.29E-79
PEF	AKT1	cg23176538	rs4983529	T	C	-0.173	0.023	0.471	9.74E-14	0.011	0.003	2.51E-05	0.015	55.388	TRUE	3.84E-12
PEF	AKT1	cg23176538	rs4983545	C	T	-0.242	0.036	0.111	2.76E-11	-0.011	0.004	0.005	0.012	44.314	TRUE	2.66E-10
PEF	AKT1	cg26023960	rs141884370	A	G	-0.317	0.053	0.123	2.03E-09	-0.012	0.004	9.99E-04	0.010	35.929	TRUE	1.96E-08
PEF	AKT1	cg26023960	rs4334222	A	G	0.323	0.023	0.429	3.43E-44	0.011	0.003	2.94E-05	0.050	194.325	TRUE	1.73E-40
PEF	AKT1	cg26023960	rs71421880	A	T	-0.776	0.036	0.106	5.60E-105	-0.010	0.004	0.008	0.113	473.227	TRUE	3.23E-97
PEF	AKT1	cg26099837	rs45490496	A	T	0.139	0.024	0.400	5.85E-09	-0.003	0.003	0.303	0.009	33.867	TRUE	1.41E-08
PEF	ALOX12	cg02493798	rs116966909	T	G	-0.493	0.067	0.065	1.62E-13	0.009	0.006	0.092	0.014	54.389	TRUE	9.02E-13
PEF	ALOX12	cg02493798	rs1967272	T	C	-0.249	0.039	0.098	1.23E-10	-0.009	0.004	0.026	0.011	41.388	TRUE	7.46E-10
PEF	ALOX12	cg02493798	rs311756	C	G	-0.136	0.024	0.403	1.80E-08	0.001	0.003	0.610	0.008	31.685	TRUE	3.04E-08
PEF	ALOX12	cg02493798	rs34947586	T	C	0.230	0.030	0.197	1.26E-14	0.000	0.003	0.974	0.016	59.402	TRUE	2.14E-14
PEF	ALOX12	cg02493798	rs6502998	G	A	-0.955	0.018	0.423	<1E-200	0.006	0.003	0.033	0.423	2709.104	TRUE	<1E-200
PEF	ALOX12	cg02493798	rs72834423	A	C	0.245	0.034	0.134	1.09E-12	0.003	0.004	0.359	0.014	50.641	TRUE	3.24E-12
PEF	ALOX12	cg02493798	rs732428	T	C	-0.262	0.046	0.134	1.28E-08	-0.003	0.004	0.357	0.009	32.347	TRUE	2.80E-08
PEF	ALOX12	cg02493798	rs8075252	G	T	-0.264	0.023	0.448	1.70E-29	0.003	0.003	0.215	0.033	127.104	TRUE	2.97E-28
PEF	ALOX12	cg03404566	rs116966909	T	G	-0.455	0.067	0.065	1.12E-11	0.009	0.006	0.092	0.012	46.074	TRUE	5.21E-11
PEF	ALOX12	cg03404566	rs1967272	T	C	-0.229	0.039	0.098	3.32E-09	-0.009	0.004	0.026	0.009	34.969	TRUE	1.68E-08
PEF	ALOX12	cg03404566	rs34947586	T	C	0.224	0.030	0.197	5.23E-14	0.000	0.003	0.974	0.015	56.612	TRUE	8.59E-14
PEF	ALOX12	cg03404566	rs6502998	G	A	-0.957	0.018	0.423	<1E-200	0.006	0.003	0.033	0.425	2736.622	TRUE	<1E-200
PEF	ALOX12	cg03404566	rs72834423	A	C	0.286	0.034	0.134	8.85E-17	0.003	0.004	0.359	0.018	69.173	TRUE	3.58E-16
PEF	ALOX12	cg03404566	rs8075252	G	T	-0.282	0.023	0.448	1.66E-33	0.003	0.003	0.215	0.038	145.434	TRUE	4.40E-32
PEF	ALOX12	cg03407747	rs116966909	T	G	-0.521	0.067	0.065	6.30E-15	0.009	0.006	0.092	0.016	60.772	TRUE	4.03E-14
PEF	ALOX12	cg03407747	rs12950215	A	G	0.244	0.035	0.131	1.85E-12	0.003	0.004	0.361	0.013	49.613	TRUE	5.36E-12
PEF	ALOX12	cg03407747	rs1967272	T	C	-0.250	0.039	0.098	1.21E-10	-0.009	0.004	0.026	0.011	41.427	TRUE	7.32E-10
PEF	ALOX12	cg03407747	rs311756	C	G	-0.158	0.024	0.403	6.58E-11	0.001	0.003	0.610	0.011	42.617	TRUE	1.29E-10

PEF	ALOX12	cg03407747	rs34947586	T	C	0.247	0.030	0.197	1.13E-16	0.000	0.003	0.974	0.018	68.694	TRUE	2.13E-16
PEF	ALOX12	cg03407747	rs6502998	G	A	-0.978	0.018	0.423	<1E-200	0.006	0.003	0.033	0.445	2963.041	TRUE	<1E-200
PEF	ALOX12	cg03407747	rs8075252	G	T	-0.296	0.023	0.448	5.97E-37	0.003	0.003	0.215	0.042	161.183	TRUE	2.31E-35
PEF	ALOX12	cg03762994	rs116966909	T	G	-0.481	0.067	0.065	6.33E-13	0.009	0.006	0.092	0.014	51.714	TRUE	3.32E-12
PEF	ALOX12	cg03762994	rs1967272	T	C	-0.239	0.039	0.098	6.91E-10	-0.009	0.004	0.026	0.010	38.025	TRUE	3.82E-09
PEF	ALOX12	cg03762994	rs34947586	T	C	0.236	0.030	0.197	2.10E-15	0.000	0.003	0.974	0.017	62.931	TRUE	3.71E-15
PEF	ALOX12	cg03762994	rs6502998	G	A	-0.968	0.018	0.423	<1E-200	0.006	0.003	0.033	0.435	2842.966	TRUE	<1E-200
PEF	ALOX12	cg03762994	rs72834423	A	C	0.250	0.034	0.134	4.24E-13	0.003	0.004	0.359	0.014	52.500	TRUE	1.29E-12
PEF	ALOX12	cg03762994	rs732428	T	C	-0.263	0.046	0.134	1.22E-08	-0.003	0.004	0.357	0.009	32.431	TRUE	2.68E-08
PEF	ALOX12	cg03762994	rs8075252	G	T	-0.274	0.023	0.448	9.66E-32	0.003	0.003	0.215	0.036	137.366	TRUE	2.12E-30
PEF	ALOX12	cg05215272	rs11571326	A	G	0.301	0.043	0.082	2.95E-12	-0.008	0.005	0.076	0.013	48.693	TRUE	1.56E-11
PEF	ALOX12	cg05215272	rs116966909	T	G	-0.508	0.067	0.065	2.87E-14	0.009	0.006	0.092	0.015	57.792	TRUE	1.72E-13
PEF	ALOX12	cg05215272	rs1967272	T	C	-0.269	0.039	0.098	3.99E-12	-0.009	0.004	0.026	0.013	48.102	TRUE	2.88E-11
PEF	ALOX12	cg05215272	rs34947586	T	C	0.232	0.030	0.197	5.86E-15	0.000	0.003	0.974	0.016	60.915	TRUE	1.01E-14
PEF	ALOX12	cg05215272	rs6502998	G	A	-1.041	0.017	0.423	<1E-200	0.006	0.003	0.033	0.506	3796.412	TRUE	<1E-200
PEF	ALOX12	cg05215272	rs6503002	A	G	-0.309	0.045	0.146	6.74E-12	-0.003	0.004	0.340	0.013	47.077	TRUE	1.92E-11
PEF	ALOX12	cg05215272	rs72834423	A	C	0.285	0.034	0.134	1.12E-16	0.003	0.004	0.359	0.018	68.702	TRUE	4.52E-16
PEF	ALOX12	cg05215272	rs8075252	G	T	-0.297	0.023	0.448	3.95E-37	0.003	0.003	0.215	0.042	162.003	TRUE	1.56E-35
PEF	ALOX12	cg05215748	rs3218667	C	T	-0.431	0.024	0.432	1.79E-74	0.004	0.003	0.087	0.083	333.172	TRUE	3.24E-70
PEF	ALOX12	cg05657792	rs1967272	T	C	-0.215	0.039	0.098	2.86E-08	-0.009	0.004	0.026	0.008	30.781	TRUE	1.29E-07
PEF	ALOX12	cg05657792	rs34947586	T	C	0.202	0.030	0.197	1.25E-11	0.000	0.003	0.974	0.012	45.862	TRUE	1.84E-11
PEF	ALOX12	cg05657792	rs6502998	G	A	-0.892	0.020	0.423	<1E-200	0.006	0.003	0.033	0.347	1964.460	TRUE	<1E-200
PEF	ALOX12	cg05657792	rs72834423	A	C	0.228	0.034	0.134	3.67E-11	0.003	0.004	0.359	0.012	43.758	TRUE	9.69E-11
PEF	ALOX12	cg05657792	rs80152502	A	G	-0.466	0.072	0.053	1.23E-10	0.008	0.006	0.196	0.011	41.390	TRUE	4.03E-10
PEF	ALOX12	cg05657792	rs8075252	G	T	-0.268	0.023	0.448	2.26E-30	0.003	0.003	0.215	0.034	131.111	TRUE	4.31E-29
PEF	ALOX12	cg08870757	rs2920421	A	G	-0.173	0.025	0.324	2.58E-12	0.008	0.003	0.002	0.013	48.955	TRUE	3.52E-11
PEF	ALOX12	cg08946332	rs3218667	C	T	-0.253	0.024	0.432	6.27E-27	0.004	0.003	0.087	0.030	115.390	TRUE	1.44E-25
PEF	ALOX12	cg09737314	rs116966909	T	G	-0.510	0.067	0.065	2.17E-14	0.009	0.006	0.092	0.016	58.341	TRUE	1.32E-13
PEF	ALOX12	cg09737314	rs12950215	A	G	0.241	0.035	0.131	3.45E-12	0.003	0.004	0.361	0.013	48.388	TRUE	9.82E-12
PEF	ALOX12	cg09737314	rs1967272	T	C	-0.255	0.039	0.098	4.78E-11	-0.009	0.004	0.026	0.012	43.241	TRUE	3.04E-10
PEF	ALOX12	cg09737314	rs34947586	T	C	0.239	0.030	0.197	9.45E-16	0.000	0.003	0.974	0.017	64.508	TRUE	1.70E-15
PEF	ALOX12	cg09737314	rs6502998	G	A	-0.963	0.018	0.423	<1E-200	0.006	0.003	0.033	0.431	2804.506	TRUE	<1E-200
PEF	ALOX12	cg09737314	rs8075252	G	T	-0.288	0.023	0.448	5.81E-35	0.003	0.003	0.215	0.039	152.089	TRUE	1.80E-33
PEF	ALOX12	cg12262378	rs116966909	T	G	-0.442	0.067	0.065	4.07E-11	0.009	0.006	0.092	0.012	43.555	TRUE	1.79E-10
PEF	ALOX12	cg12262378	rs12950215	A	G	0.241	0.035	0.131	3.42E-12	0.003	0.004	0.361	0.013	48.403	TRUE	9.75E-12
PEF	ALOX12	cg12262378	rs1967272	T	C	-0.243	0.039	0.098	3.91E-10	-0.009	0.004	0.026	0.010	39.135	TRUE	2.23E-09
PEF	ALOX12	cg12262378	rs311756	C	G	-0.133	0.024	0.403	3.58E-08	0.001	0.003	0.610	0.008	30.348	TRUE	5.96E-08
PEF	ALOX12	cg12262378	rs34947586	T	C	0.224	0.030	0.197	5.08E-14	0.000	0.003	0.974	0.015	56.668	TRUE	8.35E-14
PEF	ALOX12	cg12262378	rs6502998	G	A	-0.925	0.019	0.423	<1E-200	0.006	0.003	0.033	0.397	2430.927	TRUE	<1E-200
PEF	ALOX12	cg12262378	rs732428	T	C	-0.259	0.046	0.134	2.09E-08	-0.003	0.004	0.357	0.008	31.391	TRUE	4.50E-08
PEF	ALOX12	cg12262378	rs8075252	G	T	-0.242	0.023	0.448	4.37E-25	0.003	0.003	0.215	0.028	106.977	TRUE	4.94E-24
PEF	ALOX12	cg14375499	rs11078659	A	G	0.354	0.023	0.498	5.03E-52	-0.002	0.003	0.391	0.059	230.215	TRUE	7.24E-50

PEF	ALOX12	cg14375499	rs33979567	T	G	0.189	0.029	0.210	5.62E-11	0.002	0.003	0.512	0.011	42.926	TRUE	1.22E-10
PEF	ALOX12	cg14375499	rs9303211	T	C	-0.141	0.024	0.388	3.69E-09	0.002	0.003	0.450	0.009	34.762	TRUE	7.67E-09
PEF	ALOX12	cg19294448	rs10852889	C	T	0.282	0.023	0.432	3.07E-33	0.004	0.003	0.088	0.038	144.213	TRUE	1.43E-31
PEF	ALOX12	cg19294448	rs5017726	A	C	-0.186	0.032	0.156	4.03E-09	0.000	0.003	0.929	0.009	34.593	TRUE	5.53E-09
PEF	ALOX12	cg19536664	rs11571326	A	G	0.451	0.043	0.082	6.82E-26	-0.008	0.005	0.076	0.029	110.658	TRUE	1.49E-24
PEF	ALOX12	cg19536664	rs1967272	T	C	-0.286	0.039	0.098	1.61E-13	-0.009	0.004	0.026	0.014	54.403	TRUE	1.37E-12
PEF	ALOX12	cg19536664	rs2083823	T	C	-0.347	0.054	0.101	9.65E-11	-0.002	0.004	0.689	0.011	41.869	TRUE	1.75E-10
PEF	ALOX12	cg19536664	rs311756	C	G	-0.166	0.024	0.403	5.26E-12	0.001	0.003	0.610	0.013	47.560	TRUE	1.10E-11
PEF	ALOX12	cg19536664	rs34947586	T	C	0.253	0.030	0.197	1.64E-17	0.000	0.003	0.974	0.019	72.501	TRUE	3.24E-17
PEF	ALOX12	cg19536664	rs369082	C	T	0.145	0.024	0.448	8.71E-10	-0.002	0.003	0.428	0.010	37.573	TRUE	1.89E-09
PEF	ALOX12	cg19536664	rs6502998	G	A	-1.146	0.015	0.423	<1E-200	0.006	0.003	0.033	0.616	5943.611	TRUE	<1E-200
PEF	ALOX12	cg19536664	rs72834423	A	C	0.280	0.034	0.134	3.77E-16	0.003	0.004	0.359	0.018	66.319	TRUE	1.45E-15
PEF	ALOX12	cg19536664	rs80152502	A	G	-0.555	0.072	0.053	1.51E-14	0.008	0.006	0.196	0.016	59.054	TRUE	6.95E-14
PEF	ALOX12	cg19536664	rs8075252	G	T	-0.326	0.023	0.448	1.39E-44	0.003	0.003	0.215	0.050	196.126	TRUE	1.31E-42
PEF	ALOX12	cg20216752	rs375060	C	G	0.307	0.045	0.076	5.59E-12	-0.008	0.005	0.093	0.013	47.444	TRUE	2.69E-11
PEF	ALOX12	cg20216752	rs434844	G	C	0.315	0.024	0.395	4.85E-40	0.006	0.003	0.029	0.045	175.326	TRUE	9.14E-38
PEF	ALOX12	cg20216752	rs7406627	G	A	-0.140	0.025	0.317	2.60E-08	-0.002	0.003	0.583	0.008	30.972	TRUE	4.50E-08
PEF	ALOX12	cg21237687	rs1967272	T	C	-0.244	0.039	0.098	2.98E-10	-0.009	0.004	0.026	0.011	39.664	TRUE	1.72E-09
PEF	ALOX12	cg21237687	rs34947586	T	C	0.221	0.030	0.197	1.06E-13	0.000	0.003	0.974	0.015	55.221	TRUE	1.72E-13
PEF	ALOX12	cg21237687	rs576747	T	C	-0.147	0.024	0.456	1.07E-09	0.003	0.003	0.232	0.010	37.170	TRUE	3.02E-09
PEF	ALOX12	cg21237687	rs6502998	G	A	-0.982	0.018	0.423	<1E-200	0.006	0.003	0.033	0.447	2991.685	TRUE	<1E-200
PEF	ALOX12	cg21237687	rs72834423	A	C	0.239	0.034	0.134	4.33E-12	0.003	0.004	0.359	0.013	47.942	TRUE	1.23E-11
PEF	ALOX12	cg21237687	rs732428	T	C	-0.252	0.046	0.134	4.95E-08	-0.003	0.004	0.357	0.008	29.720	TRUE	1.04E-07
PEF	ALOX12	cg21237687	rs80152502	A	G	-0.540	0.072	0.053	7.48E-14	0.008	0.006	0.196	0.015	55.906	TRUE	3.24E-13
PEF	ALOX12	cg21237687	rs8075252	G	T	-0.272	0.023	0.448	2.35E-31	0.003	0.003	0.215	0.035	135.601	TRUE	4.96E-30
PEF	ALOX12	cg25987502	rs3218667	C	T	-0.670	0.023	0.432	6.06E-191	0.004	0.003	0.087	0.190	868.292	TRUE	1.33E-173
PEF	ALOX12	cg25987502	rs576747	T	C	-0.140	0.024	0.456	5.56E-09	0.003	0.003	0.232	0.009	33.965	TRUE	1.47E-08
PEF	ALOX12	cg25987502	rs80152502	A	G	-0.410	0.073	0.053	1.63E-08	0.008	0.006	0.196	0.009	31.870	TRUE	4.43E-08
PEF	ALOX12	cg25987502	rs8075252	G	T	-0.217	0.023	0.448	2.55E-20	0.003	0.003	0.215	0.023	85.265	TRUE	1.85E-19
PEF	AP1M2	cg01562385	rs12609501	G	T	0.288	0.025	0.294	8.29E-31	0.002	0.003	0.394	0.035	133.100	TRUE	1.06E-29
PEF	AP1M2	cg01562385	rs34516961	G	A	0.223	0.031	0.158	1.27E-12	0.003	0.003	0.378	0.013	50.342	TRUE	3.66E-12
PEF	AP1M2	cg01562385	rs7252007	T	C	-0.238	0.033	0.145	9.34E-13	0.001	0.004	0.717	0.014	50.951	TRUE	1.84E-12
PEF	AP1M2	cg01654627	rs78671428	T	G	-0.451	0.041	0.082	8.23E-28	0.001	0.005	0.820	0.031	119.413	TRUE	3.94E-27
PEF	AP1M2	cg07434260	rs10409805	C	A	0.264	0.031	0.188	7.04E-18	-0.011	0.003	4.75E-04	0.020	74.164	TRUE	2.93E-16
PEF	AP1M2	cg07434260	rs10411063	A	G	-0.424	0.033	0.144	7.09E-37	0.001	0.004	0.725	0.042	160.842	TRUE	8.85E-36
PEF	AP1M2	cg07434260	rs11085734	A	G	0.141	0.024	0.498	2.39E-09	-0.005	0.003	0.031	0.010	35.611	TRUE	1.18E-08
PEF	AP1M2	cg07434260	rs114238717	T	C	0.395	0.069	0.028	1.03E-08	0.012	0.007	0.100	0.009	32.757	TRUE	3.49E-08
PEF	AP1M2	cg07434260	rs147622113	T	C	-0.419	0.073	0.029	8.70E-09	0.011	0.008	0.160	0.009	33.094	TRUE	2.58E-08
PEF	AP1M2	cg07434260	rs28600132	G	T	0.173	0.024	0.396	1.25E-12	0.004	0.003	0.105	0.013	50.382	TRUE	6.11E-12
PEF	AP1M2	cg07434260	rs4804540	A	T	0.233	0.035	0.121	4.81E-11	-0.009	0.004	0.026	0.012	43.230	TRUE	2.99E-10
PEF	AP1M2	cg07434260	rs59614858	T	G	-0.324	0.051	0.053	2.81E-10	0.005	0.006	0.369	0.011	39.783	TRUE	6.84E-10
PEF	AP1M2	cg07434260	rs7258256	G	A	0.346	0.025	0.296	5.47E-44	0.003	0.003	0.236	0.050	193.396	TRUE	4.76E-42

PEF	AP1M2	cg07434260	rs78256348	T	C	-0.249	0.030	0.199	3.93E-17	0.005	0.003	0.112	0.019	70.772	TRUE	2.93E-16
PEF	AP1M2	cg08148553	rs10408934	A	G	-0.269	0.031	0.165	1.02E-17	0.001	0.003	0.798	0.019	73.440	TRUE	2.50E-17
PEF	AP1M2	cg08148553	rs10411063	A	G	-0.488	0.033	0.144	1.13E-48	0.001	0.004	0.725	0.055	214.851	TRUE	4.94E-47
PEF	AP1M2	cg08148553	rs11085734	A	G	0.161	0.024	0.498	7.68E-12	-0.005	0.003	0.031	0.012	46.820	TRUE	5.08E-11
PEF	AP1M2	cg08148553	rs12609501	G	T	0.516	0.025	0.294	2.08E-97	0.002	0.003	0.394	0.106	438.462	TRUE	4.95E-92
PEF	AP1M2	cg08148553	rs150696463	T	C	0.438	0.068	0.030	1.50E-10	0.011	0.007	0.102	0.011	41.007	TRUE	6.04E-10
PEF	AP1M2	cg08148553	rs1821280	A	G	0.216	0.030	0.192	1.16E-12	-0.011	0.003	0.001	0.013	50.529	TRUE	1.87E-11
PEF	AP1M2	cg08148553	rs34516961	G	A	0.325	0.032	0.158	5.76E-25	0.003	0.003	0.378	0.028	106.434	TRUE	4.46E-24
PEF	AP1M2	cg08148553	rs3786717	C	T	-0.146	0.023	0.437	3.56E-10	0.005	0.003	0.044	0.011	39.320	TRUE	1.71E-09
PEF	AP1M2	cg08148553	rs73496568	A	C	-0.280	0.029	0.203	1.30E-21	0.005	0.003	0.157	0.024	91.147	TRUE	1.30E-20
PEF	AP1M2	cg08148553	rs73500697	A	G	-0.303	0.050	0.055	1.73E-09	0.004	0.006	0.509	0.010	36.237	TRUE	3.44E-09
PEF	AP1M2	cg11657665	rs12985734	G	A	-0.289	0.025	0.294	9.64E-31	0.003	0.003	0.363	0.035	132.800	TRUE	1.34E-29
PEF	AP1M2	cg11657665	rs187371841	T	C	-0.516	0.040	0.088	8.63E-38	0.002	0.004	0.706	0.043	165.026	TRUE	1.22E-36
PEF	AP1M2	cg11657665	rs34883264	T	A	-0.153	0.025	0.324	6.02E-10	0.001	0.003	0.737	0.010	38.293	TRUE	9.99E-10
PEF	AP1M2	cg11657665	rs35769432	A	G	0.572	0.030	0.192	3.85E-82	-0.011	0.003	9.94E-04	0.091	368.361	TRUE	5.51E-76
PEF	AP1M2	cg11657665	rs76186695	T	G	0.269	0.030	0.195	1.01E-19	0.002	0.003	0.527	0.022	82.543	TRUE	3.96E-19
PEF	AP1M2	cg11657665	rs77357022	A	G	-0.290	0.043	0.074	2.54E-11	0.007	0.005	0.132	0.012	44.475	TRUE	1.01E-10
PEF	AP1M2	cg14985481	rs12985734	G	A	0.149	0.025	0.294	1.75E-09	0.003	0.003	0.363	0.010	36.210	TRUE	4.11E-09
PEF	AP1M2	cg14985481	rs4804509	G	A	-0.306	0.030	0.188	2.63E-24	-0.012	0.003	2.93E-04	0.027	103.422	TRUE	3.18E-22
PEF	AP1M2	cg15555932	rs10411063	A	G	-0.618	0.033	0.144	2.08E-78	0.001	0.004	0.725	0.087	351.226	TRUE	5.87E-75
PEF	AP1M2	cg15555932	rs10422687	G	C	0.350	0.031	0.187	2.57E-30	-0.011	0.003	4.12E-04	0.034	130.855	TRUE	6.84E-28
PEF	AP1M2	cg15555932	rs11085734	A	G	0.174	0.024	0.498	1.38E-13	-0.005	0.003	0.031	0.015	54.697	TRUE	1.12E-12
PEF	AP1M2	cg15555932	rs11671812	T	C	-0.434	0.055	0.044	2.38E-15	0.005	0.006	0.369	0.017	62.687	TRUE	8.60E-15
PEF	AP1M2	cg15555932	rs12609501	G	T	0.533	0.025	0.294	6.65E-105	0.002	0.003	0.394	0.113	472.882	TRUE	7.38E-99
PEF	AP1M2	cg15555932	rs12710257	A	G	-0.207	0.028	0.219	2.91E-13	0.006	0.003	0.064	0.014	53.236	TRUE	1.79E-12
PEF	AP1M2	cg15555932	rs147622113	T	C	-0.428	0.073	0.029	4.32E-09	0.011	0.008	0.160	0.009	34.455	TRUE	1.32E-08
PEF	AP1M2	cg15555932	rs150696463	T	C	0.571	0.068	0.030	5.85E-17	0.011	0.007	0.102	0.019	69.990	TRUE	4.41E-16
PEF	AP1M2	cg15555932	rs1799898	T	C	0.211	0.034	0.137	3.74E-10	-0.001	0.004	0.860	0.010	39.222	TRUE	5.71E-10
PEF	AP1M2	cg15555932	rs34516961	G	A	0.349	0.031	0.158	1.34E-28	0.003	0.003	0.378	0.032	123.012	TRUE	1.44E-27
PEF	AP1M2	cg15555932	rs3745255	A	G	-0.288	0.025	0.340	1.72E-30	0.001	0.003	0.683	0.034	131.651	TRUE	1.27E-29
PEF	AP1M2	cg15555932	rs4804521	A	G	-0.513	0.080	0.021	1.69E-10	0.000	0.009	0.973	0.011	40.769	TRUE	2.37E-10
PEF	AP1M2	cg16589555	rs12710256	C	T	-0.395	0.052	0.059	2.68E-14	-0.001	0.006	0.831	0.015	57.924	TRUE	5.15E-14
PEF	AP1M2	cg23652172	rs8113212	A	G	-0.157	0.026	0.261	1.63E-09	0.007	0.003	0.012	0.010	36.353	TRUE	9.98E-09
PEF	AP1M2	cg26292442	rs7248205	C	T	0.136	0.024	0.400	1.36E-08	0.009	0.003	7.49E-04	0.009	32.231	TRUE	1.20E-07
PEF	AP1M2	cg26999505	rs12978228	T	G	-0.394	0.030	0.188	2.47E-39	-0.011	0.003	4.81E-04	0.044	172.087	TRUE	2.48E-36
PEF	AP1M2	cg26999505	rs12985008	T	C	0.136	0.025	0.290	4.39E-08	0.003	0.003	0.220	0.008	29.953	TRUE	1.09E-07
PEF	AP1M2	cg27104822	rs10411063	A	G	-0.289	0.033	0.144	5.18E-18	0.001	0.004	0.725	0.020	74.770	TRUE	1.41E-17
PEF	AP1M2	cg27104822	rs12976824	G	A	0.327	0.025	0.294	2.66E-39	0.002	0.003	0.412	0.044	171.940	TRUE	7.72E-38
PEF	AP1M2	cg27104822	rs28600132	G	T	0.155	0.024	0.396	1.89E-10	0.004	0.003	0.105	0.011	40.558	TRUE	7.46E-10
PEF	AP1M2	cg27104822	rs56135394	A	T	0.264	0.036	0.121	1.28E-13	0.001	0.004	0.769	0.015	54.848	TRUE	2.56E-13
PEF	AP1S1	cg16914953	rs139972715	A	G	0.369	0.064	0.032	7.21E-09	0.006	0.007	0.420	0.009	33.460	TRUE	1.51E-08
PEF	AP1S1	cg16914953	rs1468358	C	T	0.148	0.025	0.295	3.97E-09	0.000	0.003	0.902	0.009	34.619	TRUE	5.49E-09

PEF	AP1S1	cg16914953	rs17880573	T	C	0.229	0.032	0.149	1.47E-12	-0.010	0.004	0.004	0.013	50.060	TRUE	1.70E-11
PEF	AP1S1	cg16914953	rs2074686	G	A	0.181	0.023	0.443	2.66E-15	0.006	0.003	0.014	0.017	62.473	TRUE	3.21E-14
PEF	AP1S1	cg16914953	rs35567816	C	T	0.145	0.023	0.469	3.29E-10	0.005	0.003	0.059	0.011	39.472	TRUE	1.54E-09
PEF	AP1S1	cg16914953	rs3919482	G	A	0.551	0.039	0.088	9.43E-46	0.004	0.004	0.312	0.052	201.474	TRUE	7.41E-44
PEF	AP1S1	cg24080086	rs10281471	G	A	-0.145	0.023	0.487	2.90E-10	0.005	0.003	0.033	0.011	39.719	TRUE	1.60E-09
PEF	AP3B2	cg03449621	rs12385960	T	C	-0.486	0.066	0.030	2.58E-13	0.007	0.007	0.335	0.014	53.476	TRUE	8.26E-13
PEF	AP3B2	cg03449621	rs783533	T	C	-0.166	0.023	0.426	8.18E-13	0.000	0.003	0.975	0.014	51.210	TRUE	1.28E-12
PEF	AP3B2	cg06459070	rs8043401	A	G	-0.191	0.024	0.377	6.30E-16	-0.001	0.003	0.632	0.017	65.306	TRUE	1.64E-15
PEF	AP3B2	cg09472203	rs149963808	T	C	0.498	0.069	0.028	6.87E-13	-0.001	0.008	0.871	0.014	51.552	TRUE	1.18E-12
PEF	AP3B2	cg09784977	rs8028363	C	T	-0.355	0.037	0.099	8.11E-22	0.009	0.004	0.025	0.024	92.082	TRUE	1.84E-20
PEF	AP3B2	cg09784977	rs8034801	A	G	0.159	0.027	0.245	6.06E-09	0.007	0.003	0.025	0.009	33.796	TRUE	2.99E-08
PEF	AP3B2	cg14907737	rs112173748	T	C	-0.423	0.065	0.030	7.90E-11	0.012	0.007	0.068	0.011	42.261	TRUE	3.74E-10
PEF	AP3B2	cg14907737	rs113265068	G	A	-0.454	0.063	0.037	5.07E-13	0.003	0.006	0.671	0.014	52.151	TRUE	1.06E-12
PEF	AP3B2	cg14907737	rs28864981	T	C	0.181	0.030	0.197	1.14E-09	0.007	0.003	0.023	0.010	37.052	TRUE	6.05E-09
PEF	AP3B2	cg14907737	rs7181761	G	A	-0.137	0.024	0.369	2.16E-08	-0.002	0.003	0.431	0.008	31.325	TRUE	4.37E-08
PEF	AP3B2	cg14907737	rs76375505	T	C	-1.248	0.104	0.014	6.16E-33	-0.001	0.009	0.960	0.037	142.831	TRUE	3.67E-32
PEF	AP3B2	cg14907737	rs77880602	A	C	-0.746	0.077	0.024	3.32E-22	-0.005	0.008	0.475	0.025	93.851	TRUE	1.71E-21
PEF	AP3B2	cg18253757	rs4513065	G	C	0.174	0.030	0.198	4.93E-09	0.007	0.003	0.020	0.009	34.197	TRUE	2.52E-08
PEF	AP3B2	cg18253757	rs62009945	A	T	-0.145	0.025	0.309	1.07E-08	-0.004	0.003	0.208	0.009	32.690	TRUE	2.87E-08
PEF	AP3B2	cg19175742	rs12899020	G	A	0.160	0.029	0.216	4.61E-08	0.015	0.003	1.00E-06	0.008	29.857	TRUE	8.13E-07
PEF	AP3B2	cg19175742	rs8043401	A	G	-0.181	0.024	0.377	5.31E-14	-0.001	0.003	0.632	0.015	56.581	TRUE	1.22E-13
PEF	AP3B2	cg20194856	rs4513065	G	C	0.197	0.029	0.198	2.53E-11	0.007	0.003	0.020	0.012	44.483	TRUE	1.71E-10
PEF	AP3B2	cg20592391	rs1145170	T	C	-0.144	0.026	0.261	4.83E-08	-0.004	0.003	0.144	0.008	29.766	TRUE	1.37E-07
PEF	AP3B2	cg20592391	rs7163848	T	C	0.228	0.029	0.206	3.06E-15	0.007	0.003	0.019	0.017	62.195	TRUE	3.48E-14
PEF	AP3B2	cg21071896	rs12902742	A	T	0.442	0.043	0.082	2.99E-25	0.009	0.005	0.045	0.028	107.728	TRUE	7.89E-24
PEF	AP3B2	cg21071896	rs141176966	T	C	2.034	0.094	0.017	3.63E-104	0.016	0.010	0.124	0.113	469.497	TRUE	1.51E-97
PEF	AP3B2	cg21071896	rs1472674	G	T	0.547	0.061	0.037	4.65E-19	0.007	0.007	0.306	0.021	79.528	TRUE	2.51E-18
PEF	AP3B2	cg21071896	rs62011735	A	C	0.163	0.027	0.236	1.89E-09	0.017	0.003	1.01E-08	0.010	36.068	TRUE	7.85E-08
PEF	AP3B2	cg21071896	rs7184045	C	G	0.231	0.025	0.340	1.72E-20	0.008	0.003	0.005	0.023	86.038	TRUE	5.40E-19
PEF	AP3B2	cg21071896	rs78243519	A	G	0.361	0.047	0.063	9.38E-15	0.009	0.005	0.063	0.016	59.989	TRUE	6.79E-14
PEF	AP3B2	cg21669441	rs7163848	T	C	-0.202	0.029	0.206	3.89E-12	0.007	0.003	0.019	0.013	48.151	TRUE	3.05E-11
PEF	AP3B2	cg25584930	rs28582623	G	A	0.250	0.030	0.189	1.80E-16	0.008	0.003	0.018	0.018	67.773	TRUE	2.41E-15
PEF	AP3B2	cg27279991	rs28719490	A	G	0.177	0.026	0.278	6.49E-12	-0.006	0.003	0.038	0.013	47.149	TRUE	4.17E-11
PEF	AP3B2	cg27279991	rs7163848	T	C	-0.249	0.029	0.206	5.72E-18	0.007	0.003	0.019	0.020	74.575	TRUE	8.97E-17
PEF	AP3D1	cg09261902	rs2238599	C	T	-0.571	0.022	0.498	2.54E-142	0.003	0.003	0.180	0.148	644.796	TRUE	7.63E-132
PEF	AP3D1	cg09261902	rs58491369	T	C	-0.275	0.030	0.184	1.39E-19	0.000	0.003	0.983	0.022	81.918	TRUE	3.09E-19
PEF	AP3D1	cg09261902	rs74984359	A	G	0.898	0.058	0.040	3.75E-54	-0.016	0.006	0.009	0.061	239.965	TRUE	1.08E-50
PEF	AP3D1	cg09548694	rs35500266	T	C	-0.184	0.024	0.428	9.80E-15	0.001	0.003	0.743	0.016	59.903	TRUE	2.09E-14
PEF	AP3D1	cg09548694	rs73516521	C	T	0.218	0.034	0.127	2.66E-10	-0.005	0.004	0.139	0.011	39.887	TRUE	9.62E-10
PEF	AP3D1	cg09548694	rs75483641	T	C	0.495	0.031	0.161	1.20E-55	0.004	0.003	0.279	0.063	246.814	TRUE	3.89E-53
PEF	AP3D1	cg10746224	rs2240130	A	G	-0.248	0.036	0.257	9.68E-12	-0.005	0.003	0.082	0.012	46.367	TRUE	4.77E-11
PEF	AP3D1	cg10746224	rs73916852	A	G	-0.930	0.099	0.013	3.84E-21	-0.030	0.011	0.005	0.023	89.007	TRUE	1.33E-19

PEF	AP3D1	cg11349093	rs79847850	C	T	-0.219	0.031	0.167	3.51E-12	0.004	0.003	0.270	0.013	48.356	TRUE	1.13E-11
PEF	AP3D1	cg17656426	rs11671102	C	G	-0.179	0.026	0.293	4.81E-12	0.005	0.003	0.102	0.013	47.736	TRUE	2.27E-11
PEF	AP3D1	cg17656426	rs4807216	C	T	-0.219	0.033	0.140	3.37E-11	0.003	0.004	0.420	0.012	43.928	TRUE	8.29E-11
PEF	AP3D1	cg17656426	rs62128400	A	G	0.565	0.023	0.429	8.87E-133	0.001	0.003	0.858	0.140	600.945	TRUE	1.24E-124
PEF	AP3D1	cg17656426	rs73516521	C	T	-0.196	0.035	0.127	1.46E-08	-0.005	0.004	0.139	0.009	32.087	TRUE	4.47E-08
PEF	AP3D1	cg17656426	rs75223679	A	G	-0.276	0.032	0.168	2.07E-18	0.004	0.003	0.254	0.020	76.579	TRUE	1.18E-17
PEF	AP3D1	cg17656426	rs886449	A	G	-0.223	0.029	0.205	2.85E-14	-0.005	0.003	0.117	0.015	57.801	TRUE	1.56E-13
PEF	AP3D1	cg19290738	rs10418405	C	G	-0.278	0.030	0.180	6.56E-20	-0.001	0.003	0.717	0.022	83.397	TRUE	2.06E-19
PEF	AP3D1	cg19290738	rs112415544	A	G	-0.527	0.093	0.014	1.65E-08	-0.031	0.011	0.004	0.009	31.851	TRUE	1.10E-07
PEF	AP3D1	cg19290738	rs117473937	A	G	0.739	0.128	0.018	7.00E-09	-0.001	0.011	0.959	0.009	33.516	TRUE	9.24E-09
PEF	AP3D1	cg19290738	rs2523178	A	G	-0.278	0.026	0.290	3.59E-27	0.005	0.003	0.107	0.031	116.496	TRUE	7.48E-26
PEF	AP3D1	cg19290738	rs7245402	A	G	-0.156	0.025	0.328	4.59E-10	-0.002	0.003	0.492	0.010	38.825	TRUE	9.73E-10
PEF	AP3D1	cg19290738	rs73512109	A	G	0.241	0.044	0.080	4.00E-08	0.002	0.005	0.684	0.008	30.132	TRUE	6.29E-08
PEF	AP3D1	cg19290738	rs73516521	C	T	-0.296	0.034	0.127	9.22E-18	-0.005	0.004	0.139	0.020	73.632	TRUE	6.73E-17
PEF	AP3D1	cg19290738	rs74521370	A	G	0.646	0.096	0.019	1.57E-11	0.013	0.009	0.132	0.012	45.424	TRUE	6.44E-11
PEF	AP3D1	cg19290738	rs75223679	A	G	-0.563	0.031	0.168	4.22E-74	0.004	0.003	0.254	0.082	331.465	TRUE	2.53E-70
PEF	AP3D1	cg19290738	rs757595	T	C	-0.472	0.041	0.080	3.78E-30	0.007	0.005	0.107	0.034	130.090	TRUE	1.11E-28
PEF	AP3D1	cg19290738	rs758287	C	T	0.904	0.018	0.428	<1E-200	0.001	0.003	0.773	0.393	2392.083	TRUE	<1E-200
PEF	AP3D1	cg19290738	rs886449	A	G	-0.560	0.029	0.205	2.84E-85	-0.005	0.003	0.117	0.094	382.739	TRUE	2.65E-80
PEF	AP3D1	cg21414902	rs2018890	G	A	-0.169	0.023	0.428	6.74E-13	0.001	0.003	0.818	0.014	51.591	TRUE	1.23E-12
PEF	AP3D1	cg22598241	rs2238612	T	C	0.383	0.023	0.499	1.71E-62	0.004	0.003	0.133	0.070	278.205	TRUE	3.05E-59
PEF	AP3D1	cg22598241	rs58491369	T	C	0.193	0.030	0.184	2.02E-10	0.000	0.003	0.983	0.011	40.423	TRUE	2.82E-10
PEF	AP3D1	cg22598241	rs77671679	T	C	-1.273	0.060	0.035	1.60E-101	-0.015	0.006	0.019	0.110	457.351	TRUE	2.12E-94
PEF	AP3D1	cg24185130	rs12608586	T	G	-0.545	0.091	0.014	2.40E-09	-0.031	0.011	0.003	0.010	35.596	TRUE	1.90E-08
PEF	AP3D1	cg24185130	rs12609225	G	A	-0.565	0.027	0.234	3.43E-94	-0.004	0.003	0.210	0.103	423.685	TRUE	1.02E-88
PEF	AP3D1	cg24185130	rs7246186	A	G	-0.169	0.024	0.375	3.99E-12	0.006	0.003	0.019	0.013	48.101	TRUE	3.19E-11
PEF	AP3D1	cg27089789	rs1106861	A	G	-1.486	0.060	0.035	7.30E-135	-0.015	0.006	0.017	0.142	610.522	TRUE	3.94E-124
PEF	AP3D1	cg27089789	rs2238612	T	C	0.137	0.023	0.499	4.38E-09	0.004	0.003	0.133	0.009	34.430	TRUE	1.43E-08
PEF	ARF1	cg06625004	rs10799420	T	C	-0.198	0.029	0.185	1.82E-11	0.000	0.003	0.971	0.012	45.135	TRUE	2.65E-11
PEF	ARF1	cg06625004	rs11582265	T	C	-1.280	0.041	0.073	4.57E-209	-0.013	0.005	0.009	0.205	951.613	TRUE	8.83E-188
PEF	ARF1	cg06625004	rs12138930	G	T	-0.193	0.028	0.206	1.19E-11	0.000	0.003	0.932	0.012	45.955	TRUE	1.84E-11
PEF	ARF1	cg06625004	rs147909101	T	C	-0.937	0.116	0.013	7.14E-16	-0.004	0.011	0.678	0.017	65.060	TRUE	1.77E-15
PEF	ARF1	cg06625004	rs4233231	A	G	-0.168	0.024	0.412	2.78E-12	-0.001	0.003	0.611	0.013	48.812	TRUE	5.91E-12
PEF	ARF1	cg06625004	rs493945	G	A	-0.243	0.024	0.378	2.06E-24	-0.009	0.003	0.001	0.027	103.909	TRUE	1.76E-22
PEF	ARF1	cg06625004	rs61827004	A	G	-0.266	0.033	0.153	4.55E-16	0.001	0.004	0.744	0.018	65.945	TRUE	1.07E-15
PEF	ARF1	cg06625004	rs7524236	T	C	0.175	0.030	0.180	9.81E-09	0.007	0.003	0.025	0.009	32.860	TRUE	4.73E-08
PEF	ARF1	cg06625004	rs77969686	G	A	-0.516	0.056	0.035	2.33E-20	-0.004	0.006	0.488	0.023	85.443	TRUE	1.02E-19
PEF	ARHGEF2	cg11216632	rs11264432	G	A	0.143	0.024	0.461	1.32E-09	-0.005	0.003	0.043	0.010	36.768	TRUE	6.22E-09
PEF	ARHGEF2	cg11216632	rs187347626	C	T	0.922	0.157	0.012	4.45E-09	-0.019	0.012	0.130	0.009	34.398	TRUE	1.45E-08
PEF	ARHGEF2	cg11216632	rs45444697	G	C	0.156	0.028	0.222	3.63E-08	-0.012	0.003	7.51E-05	0.008	30.323	TRUE	4.25E-07
PEF	ARHGEF2	cg11216632	rs4661175	G	A	0.455	0.025	0.326	7.79E-77	-0.010	0.003	1.55E-04	0.085	344.007	TRUE	9.59E-71
PEF	ARHGEF2	cg11216632	rs6676150	C	G	-0.173	0.024	0.403	8.83E-13	0.008	0.003	0.001	0.014	51.060	TRUE	1.33E-11

PEF	ARHGEF2	cg11216632	rs72706118	A	G	0.450	0.066	0.033	9.47E-12	-0.011	0.007	0.088	0.012	46.411	TRUE	4.55E-11
PEF	ARHGEF2	cg11216632	rs7555839	G	A	0.347	0.040	0.100	2.15E-18	0.002	0.004	0.684	0.020	76.506	TRUE	6.26E-18
PEF	ARNT	cg13201342	rs114221421	A	G	0.440	0.072	0.027	1.01E-09	-0.011	0.008	0.159	0.010	37.278	TRUE	3.28E-09
PEF	ARNT	cg13201342	rs116753436	C	T	-0.568	0.055	0.044	6.64E-25	-0.002	0.006	0.795	0.028	106.149	TRUE	2.66E-24
PEF	ARNT	cg13201342	rs11808823	G	A	-0.307	0.039	0.093	6.34E-15	0.017	0.004	5.30E-05	0.016	60.760	TRUE	2.63E-13
PEF	ARNT	cg13201342	rs12119250	A	G	-0.496	0.049	0.059	5.28E-24	0.001	0.006	0.929	0.027	102.045	TRUE	1.66E-23
PEF	ARNT	cg13201342	rs12143614	A	T	0.471	0.037	0.120	1.18E-36	-0.002	0.004	0.650	0.041	159.830	TRUE	1.64E-35
PEF	ARNT	cg13201342	rs12564067	T	C	0.456	0.028	0.195	4.74E-58	0.001	0.003	0.831	0.065	257.834	TRUE	5.29E-56
PEF	ARNT	cg13201342	rs183915452	A	G	0.313	0.047	0.071	1.92E-11	0.001	0.005	0.858	0.012	45.027	TRUE	3.12E-11
PEF	ARNT	cg13201342	rs34542152	T	C	0.346	0.051	0.058	8.18E-12	-0.001	0.005	0.817	0.012	46.698	TRUE	1.40E-11
PEF	ARNT	cg13201342	rs35531650	A	C	0.436	0.068	0.033	1.54E-10	-0.001	0.007	0.925	0.011	40.955	TRUE	2.24E-10
PEF	ARNT	cg13201342	rs35550545	A	G	0.279	0.041	0.091	6.77E-12	0.006	0.004	0.141	0.013	47.068	TRUE	2.77E-11
PEF	ARNT	cg13201342	rs35661734	C	T	-0.574	0.085	0.041	1.61E-11	0.006	0.007	0.373	0.012	45.366	TRUE	4.30E-11
PEF	ARNT	cg13201342	rs525676	T	C	0.382	0.064	0.038	2.91E-09	-0.018	0.006	0.005	0.009	35.223	TRUE	2.09E-08
PEF	ARNT	cg13201342	rs56661631	T	C	0.330	0.025	0.333	5.06E-41	-0.005	0.003	0.084	0.046	179.815	TRUE	5.93E-39
PEF	ARNT	cg13201342	rs59942146	A	G	-0.490	0.081	0.056	1.19E-09	0.006	0.006	0.321	0.010	36.963	TRUE	2.96E-09
PEF	ARNT	cg13201342	rs6657461	T	A	-0.445	0.029	0.203	2.46E-53	-0.007	0.003	0.024	0.060	236.224	TRUE	3.72E-50
PEF	ARNT	cg13201342	rs6661135	T	C	-0.676	0.046	0.067	6.58E-49	-0.005	0.005	0.291	0.055	215.931	TRUE	8.37E-47
PEF	ARNT	cg13201342	rs67450539	T	C	0.253	0.040	0.093	2.29E-10	0.000	0.004	0.958	0.011	40.184	TRUE	3.21E-10
PEF	ARNT	cg13201342	rs72692765	G	C	-0.322	0.052	0.055	5.53E-10	-0.005	0.006	0.342	0.010	38.458	TRUE	1.36E-09
PEF	ARNT	cg13201342	rs72708423	C	T	-0.482	0.030	0.209	5.29E-58	0.011	0.003	3.29E-04	0.065	257.616	TRUE	1.21E-53
PEF	ARNT	cg13201342	rs72710106	A	C	-0.271	0.023	0.452	1.95E-31	-0.001	0.003	0.845	0.035	135.971	TRUE	1.22E-30
PEF	ARNT	cg13201342	rs7524620	G	A	-0.823	0.021	0.401	<1E-200	0.005	0.003	0.040	0.298	1570.999	TRUE	3.15E-297
PEF	ARNT	cg13201342	rs77058047	A	G	0.237	0.030	0.197	1.05E-15	-0.016	0.003	2.96E-07	0.017	64.297	TRUE	1.20E-13
PEF	ARRB2	cg00122941	rs11078528	A	G	-0.201	0.026	0.283	6.66E-15	-0.002	0.003	0.581	0.016	60.663	TRUE	1.72E-14
PEF	ARRB2	cg00122941	rs11568148	T	C	0.822	0.127	0.022	9.32E-11	-0.004	0.009	0.688	0.011	41.937	TRUE	1.69E-10
PEF	ARRB2	cg00122941	rs12150491	C	T	-0.190	0.033	0.357	9.28E-09	-0.001	0.003	0.647	0.009	32.968	TRUE	1.55E-08
PEF	ARRB2	cg00122941	rs12450565	T	C	0.201	0.029	0.212	2.12E-12	0.002	0.003	0.555	0.013	49.342	TRUE	4.82E-12
PEF	ARRB2	cg00122941	rs17765093	T	C	0.264	0.026	0.284	2.87E-24	0.003	0.003	0.251	0.027	103.253	TRUE	2.84E-23
PEF	ARRB2	cg00122941	rs34230287	T	C	0.744	0.026	0.240	2.03E-174	0.005	0.003	0.070	0.176	792.326	TRUE	2.65E-159
PEF	ARRB2	cg02286380	rs11078528	A	G	0.261	0.026	0.283	3.20E-24	-0.002	0.003	0.581	0.027	103.035	TRUE	1.62E-23
PEF	ARRB2	cg02286380	rs11568061	A	G	-0.934	0.023	0.245	<1E-200	0.006	0.003	0.037	0.301	1590.258	TRUE	2.33E-300
PEF	ARRB2	cg02286380	rs11568148	T	C	-0.762	0.127	0.022	2.01E-09	-0.004	0.009	0.688	0.010	35.942	TRUE	3.38E-09
PEF	ARRB2	cg02286380	rs12150153	T	C	-0.192	0.031	0.177	4.28E-10	-0.001	0.003	0.841	0.010	38.958	TRUE	6.62E-10
PEF	ARRB2	cg02286380	rs12150491	C	T	0.206	0.033	0.357	5.46E-10	-0.001	0.003	0.647	0.010	38.486	TRUE	9.74E-10
PEF	ARRB2	cg02286380	rs12450540	A	C	0.216	0.038	0.410	1.05E-08	-0.004	0.003	0.131	0.009	32.734	TRUE	3.32E-08
PEF	ARRB2	cg02286380	rs12450565	T	C	-0.239	0.029	0.212	6.37E-17	0.002	0.003	0.555	0.019	69.822	TRUE	1.96E-16
PEF	ARRB2	cg02286380	rs17765093	T	C	-0.316	0.026	0.284	3.79E-34	0.003	0.003	0.251	0.039	148.368	TRUE	1.01E-32
PEF	ARRB2	cg02286380	rs1876444	T	C	-0.273	0.023	0.465	7.77E-32	-0.001	0.003	0.791	0.036	137.797	TRUE	5.54E-31
PEF	ARRB2	cg02286380	rs4790222	T	A	0.381	0.046	0.070	1.07E-16	-0.008	0.005	0.077	0.018	68.802	TRUE	8.90E-16
PEF	ARRB2	cg02286380	rs7221871	A	G	0.180	0.024	0.347	1.46E-13	-0.002	0.003	0.419	0.015	54.594	TRUE	4.25E-13
PEF	ARRB2	cg02286380	rs77627231	T	C	0.249	0.044	0.152	1.93E-08	-0.003	0.003	0.327	0.008	31.546	TRUE	4.30E-08

PEF	ARRB2	cg07971820	rs11078528	A	G	0.216	0.026	0.283	5.38E-17	-0.002	0.003	0.581	0.019	70.154	TRUE	1.60E-16
PEF	ARRB2	cg07971820	rs12450565	T	C	-0.186	0.029	0.212	8.35E-11	0.002	0.003	0.555	0.011	42.151	TRUE	1.71E-10
PEF	ARRB2	cg07971820	rs28365158	C	T	-0.815	0.026	0.241	2.24E-214	0.005	0.003	0.113	0.209	976.028	TRUE	1.45E-193
PEF	ARRB2	cg07971820	rs35376679	T	A	0.299	0.044	0.080	8.71E-12	-0.008	0.005	0.077	0.012	46.574	TRUE	4.39E-11
PEF	ARRB2	cg07971820	rs4790224	A	G	-0.229	0.025	0.350	3.61E-20	0.004	0.003	0.108	0.022	84.579	TRUE	3.62E-19
PEF	ARRB2	cg07971820	rs7221871	A	G	0.139	0.024	0.347	1.21E-08	-0.002	0.003	0.419	0.009	32.451	TRUE	2.49E-08
PEF	ARRB2	cg13466002	rs11078528	A	G	0.144	0.026	0.283	2.13E-08	-0.002	0.003	0.581	0.008	31.354	TRUE	3.67E-08
PEF	ARRB2	cg13466002	rs17765093	T	C	-0.158	0.026	0.284	1.09E-09	0.003	0.003	0.251	0.010	37.145	TRUE	3.03E-09
PEF	ARRB2	cg13466002	rs4522461	T	G	-0.471	0.027	0.241	1.97E-67	0.005	0.003	0.105	0.075	300.861	TRUE	9.68E-64
PEF	ARRB2	cg16472369	rs35376679	T	A	0.443	0.043	0.080	2.13E-24	-0.008	0.005	0.077	0.027	103.839	TRUE	3.97E-23
PEF	ARRB2	cg16472369	rs7210953	T	C	-0.360	0.027	0.247	3.25E-40	0.006	0.003	0.046	0.045	176.118	TRUE	5.11E-38
PEF	ARRB2	cg19197139	rs11078528	A	G	-0.222	0.026	0.283	6.35E-18	-0.002	0.003	0.581	0.020	74.369	TRUE	2.01E-17
PEF	ARRB2	cg19197139	rs11568148	T	C	1.035	0.126	0.022	2.60E-16	-0.004	0.009	0.688	0.018	67.053	TRUE	6.55E-16
PEF	ARRB2	cg19197139	rs12150153	T	C	0.174	0.031	0.177	1.41E-08	-0.001	0.003	0.841	0.009	32.155	TRUE	2.03E-08
PEF	ARRB2	cg19197139	rs12150491	C	T	-0.229	0.033	0.357	3.57E-12	-0.001	0.003	0.647	0.013	48.320	TRUE	7.25E-12
PEF	ARRB2	cg19197139	rs12450565	T	C	0.203	0.028	0.212	1.03E-12	0.002	0.003	0.555	0.014	50.752	TRUE	2.39E-12
PEF	ARRB2	cg19197139	rs17765093	T	C	0.281	0.026	0.284	1.73E-27	0.003	0.003	0.251	0.031	117.941	TRUE	2.33E-26
PEF	ARRB2	cg19197139	rs17823987	C	A	-0.303	0.045	0.139	2.21E-11	-0.002	0.004	0.528	0.012	44.753	TRUE	4.86E-11
PEF	ARRB2	cg19197139	rs2036655	A	G	-0.204	0.035	0.113	5.87E-09	0.002	0.004	0.616	0.009	33.857	TRUE	1.02E-08
PEF	ARRB2	cg19197139	rs34230287	T	C	0.912	0.026	0.240	3.62E-279	0.005	0.003	0.070	0.256	1273.976	TRUE	1.45E-246
PEF	ARRB2	cg19197139	rs7221871	A	G	-0.175	0.024	0.347	5.52E-13	-0.002	0.003	0.419	0.014	51.981	TRUE	1.54E-12
PEF	ARRB2	cg19197139	rs8077825	G	A	-0.228	0.035	0.150	5.79E-11	-0.004	0.004	0.321	0.011	42.866	TRUE	1.59E-10
PEF	ARRB2	cg24831541	rs11078528	A	G	0.231	0.026	0.283	3.38E-19	-0.002	0.003	0.581	0.021	80.157	TRUE	1.17E-18
PEF	ARRB2	cg24831541	rs113609358	T	C	-0.577	0.056	0.049	5.99E-25	0.003	0.006	0.562	0.028	106.355	TRUE	3.36E-24
PEF	ARRB2	cg24831541	rs12450565	T	C	-0.187	0.029	0.212	6.99E-11	0.002	0.003	0.555	0.011	42.499	TRUE	1.44E-10
PEF	ARRB2	cg24831541	rs1986349	A	G	-0.146	0.023	0.466	4.00E-10	-0.001	0.003	0.859	0.010	39.090	TRUE	6.12E-10
PEF	ARRB2	cg24831541	rs3744700	T	G	-0.198	0.024	0.363	4.99E-16	0.000	0.003	0.905	0.017	65.763	TRUE	9.77E-16
PEF	ARRB2	cg24831541	rs8071086	G	A	-0.739	0.025	0.297	5.73E-196	0.004	0.003	0.162	0.194	891.393	TRUE	2.68E-178
PEF	ARSB	cg01026730	rs10040592	G	A	0.473	0.041	0.088	2.63E-30	0.004	0.005	0.387	0.034	130.807	TRUE	3.27E-29
PEF	ARSB	cg01026730	rs11747224	T	C	0.313	0.056	0.094	2.71E-08	-0.010	0.005	0.026	0.008	30.886	TRUE	1.20E-07
PEF	ARSB	cg01026730	rs12187584	C	A	-0.294	0.024	0.442	1.07E-35	0.001	0.003	0.599	0.040	155.442	TRUE	1.47E-34
PEF	ARSB	cg01026730	rs12655680	G	A	-0.233	0.024	0.464	1.18E-22	-0.004	0.003	0.148	0.025	95.897	TRUE	1.36E-21
PEF	ARSB	cg01026730	rs163216	A	G	-0.763	0.021	0.446	1.18E-301	0.004	0.003	0.088	0.271	1377.400	TRUE	1.01E-264
PEF	ARSB	cg01026730	rs337847	G	A	0.348	0.041	0.085	9.33E-18	0.004	0.004	0.403	0.020	73.609	TRUE	3.82E-17
PEF	ARSB	cg01026730	rs612855	A	G	0.175	0.025	0.339	1.70E-12	-0.011	0.003	6.26E-05	0.013	49.774	TRUE	4.31E-11
PEF	ARSB	cg01026730	rs62377898	A	G	-0.240	0.030	0.178	1.48E-15	0.004	0.003	0.228	0.017	63.627	TRUE	6.79E-15
PEF	ARSB	cg01026730	rs72762973	C	T	0.456	0.048	0.069	3.27E-21	0.001	0.005	0.843	0.024	89.326	TRUE	9.51E-21
PEF	ARSB	cg01026730	rs75706611	C	G	0.335	0.053	0.052	2.37E-10	0.004	0.006	0.498	0.011	40.117	TRUE	5.05E-10
PEF	ARSB	cg01026730	rs76684389	T	C	0.334	0.047	0.065	1.50E-12	-0.011	0.005	0.039	0.013	50.022	TRUE	1.01E-11
PEF	ARSB	cg01026730	rs80162951	T	C	-0.517	0.062	0.041	5.89E-17	0.002	0.006	0.712	0.019	69.975	TRUE	1.51E-16
PEF	ARSB	cg04677158	rs10462560	C	G	-0.320	0.024	0.370	3.65E-41	-0.002	0.003	0.527	0.047	180.466	TRUE	9.90E-40
PEF	ARSB	cg04677158	rs10514108	T	C	0.225	0.038	0.111	2.68E-09	-0.007	0.004	0.074	0.009	35.385	TRUE	1.06E-08

PEF	ARSB	cg04677158	rs11741305	A	G	0.177	0.029	0.212	1.12E-09	-0.005	0.003	0.093	0.010	37.089	TRUE	4.25E-09
PEF	ARSB	cg04677158	rs13190257	T	C	0.161	0.027	0.279	1.25E-09	-0.007	0.003	0.014	0.010	36.871	TRUE	7.85E-09
PEF	ARSB	cg04677158	rs1402684	T	G	0.407	0.026	0.276	3.69E-55	-0.003	0.003	0.256	0.062	244.581	TRUE	1.21E-52
PEF	ARSB	cg04677158	rs16876619	T	C	0.166	0.025	0.313	2.10E-11	-0.013	0.003	3.48E-06	0.012	44.852	TRUE	6.96E-10
PEF	ARSB	cg04677158	rs3733890	A	G	-0.425	0.025	0.307	1.14E-63	-0.002	0.003	0.548	0.071	283.611	TRUE	5.15E-61
PEF	ARSB	cg04677158	rs4279321	G	A	0.248	0.039	0.093	2.45E-10	-0.001	0.004	0.789	0.011	40.048	TRUE	3.96E-10
PEF	ARSB	cg04677158	rs4571454	T	C	-0.180	0.025	0.319	5.65E-13	0.005	0.003	0.084	0.014	51.938	TRUE	3.13E-12
PEF	ARSB	cg04677158	rs485142	G	A	-0.356	0.023	0.431	5.44E-52	0.002	0.003	0.488	0.059	230.057	TRUE	6.11E-50
PEF	ARSB	cg04677158	rs62377897	T	C	-1.029	0.026	0.175	<1E-200	0.004	0.003	0.275	0.303	1609.549	TRUE	2.81E-305
PEF	ARSB	cg04677158	rs72762996	T	C	0.343	0.041	0.096	2.48E-17	0.003	0.004	0.461	0.019	71.683	TRUE	8.98E-17
PEF	ARSB	cg04677158	rs9637824	G	A	-0.296	0.024	0.364	1.21E-34	-0.006	0.003	0.031	0.039	150.641	TRUE	1.13E-32
PEF	ARSB	cg07379703	rs1717570	G	A	0.139	0.024	0.419	5.16E-09	0.000	0.003	0.981	0.009	34.110	TRUE	6.81E-09
PEF	ARSB	cg08393937	rs10474577	A	G	0.387	0.025	0.308	6.43E-53	-0.002	0.003	0.596	0.060	234.309	TRUE	6.10E-51
PEF	ARSB	cg08393937	rs112001390	G	A	0.489	0.086	0.036	1.46E-08	0.001	0.007	0.895	0.009	32.086	TRUE	2.00E-08
PEF	ARSB	cg08393937	rs12187584	C	A	-0.206	0.024	0.442	4.01E-18	0.001	0.003	0.599	0.020	75.278	TRUE	1.27E-17
PEF	ARSB	cg08393937	rs1402684	T	G	-0.439	0.026	0.276	2.61E-64	-0.003	0.003	0.256	0.072	286.539	TRUE	3.21E-61
PEF	ARSB	cg08393937	rs16876619	T	C	-0.172	0.025	0.313	4.47E-12	-0.013	0.003	3.48E-06	0.013	47.882	TRUE	1.69E-10
PEF	ARSB	cg08393937	rs2445887	A	G	0.302	0.024	0.442	2.65E-37	0.001	0.003	0.782	0.042	162.799	TRUE	3.10E-36
PEF	ARSB	cg08393937	rs2547906	G	A	0.397	0.023	0.421	1.08E-64	0.002	0.003	0.385	0.072	288.306	TRUE	9.02E-62
PEF	ARSB	cg08393937	rs28376183	C	T	-0.268	0.024	0.464	1.50E-29	-0.004	0.003	0.163	0.033	127.356	TRUE	3.19E-28
PEF	ARSB	cg08393937	rs336520	T	C	-0.300	0.038	0.108	3.13E-15	0.001	0.004	0.738	0.017	62.149	TRUE	7.00E-15
PEF	ARSB	cg08393937	rs3857405	A	G	0.292	0.033	0.348	1.82E-18	0.005	0.003	0.075	0.020	76.831	TRUE	1.87E-17
PEF	ARSB	cg08393937	rs4279321	G	A	-0.292	0.039	0.093	8.99E-14	-0.001	0.004	0.789	0.015	55.547	TRUE	1.75E-13
PEF	ARSB	cg08393937	rs62377937	G	A	0.831	0.051	0.049	1.81E-59	-0.003	0.006	0.652	0.067	264.334	TRUE	3.56E-57
PEF	ARSB	cg08393937	rs72762996	T	C	-0.318	0.041	0.096	4.80E-15	0.003	0.004	0.461	0.016	61.309	TRUE	1.47E-14
PEF	ARSB	cg08393937	rs74772620	T	C	1.087	0.026	0.176	<1E-200	0.004	0.003	0.275	0.329	1812.107	TRUE	<1E-200
PEF	ARSB	cg10864794	rs11747224	T	C	0.365	0.056	0.094	8.77E-11	-0.010	0.005	0.026	0.011	42.055	TRUE	5.25E-10
PEF	ARSB	cg10864794	rs13154740	C	T	0.301	0.026	0.280	1.79E-30	0.001	0.003	0.700	0.034	131.576	TRUE	1.30E-29
PEF	ARSB	cg10864794	rs1402684	T	G	0.149	0.026	0.276	1.55E-08	-0.003	0.003	0.256	0.009	31.975	TRUE	3.83E-08
PEF	ARSB	cg10864794	rs17221292	A	G	0.592	0.098	0.014	1.54E-09	-0.015	0.011	0.174	0.010	36.463	TRUE	4.73E-09
PEF	ARSB	cg10864794	rs56307340	A	G	-0.684	0.030	0.166	8.49E-113	0.007	0.003	0.038	0.121	509.143	TRUE	8.46E-105
PEF	ARSB	cg10864794	rs62377935	A	T	-0.207	0.029	0.193	1.53E-12	-0.003	0.003	0.400	0.013	49.985	TRUE	4.24E-12
PEF	ARSB	cg10864794	rs9632424	C	T	0.262	0.032	0.177	1.46E-16	0.003	0.003	0.428	0.018	68.188	TRUE	5.24E-16
PEF	ARSB	cg11541897	rs10462560	C	G	0.200	0.024	0.370	9.50E-17	-0.002	0.003	0.527	0.018	69.032	TRUE	2.97E-16
PEF	ARSB	cg11541897	rs10474577	A	G	0.255	0.026	0.308	1.64E-23	-0.002	0.003	0.596	0.026	99.797	TRUE	7.87E-23
PEF	ARSB	cg11541897	rs11746854	G	A	-0.178	0.029	0.204	1.15E-09	-0.005	0.003	0.093	0.010	37.037	TRUE	4.36E-09
PEF	ARSB	cg11541897	rs1402684	T	G	-0.197	0.026	0.276	6.62E-14	-0.003	0.003	0.256	0.015	56.148	TRUE	2.54E-13
PEF	ARSB	cg11541897	rs163126	T	C	0.732	0.029	0.179	7.64E-140	0.001	0.003	0.872	0.146	633.409	TRUE	5.78E-131
PEF	ARSB	cg11541897	rs337871	C	T	0.234	0.024	0.431	3.71E-23	0.003	0.003	0.329	0.026	98.185	TRUE	2.76E-22
PEF	ARSB	cg11541897	rs569634929	C	T	0.223	0.024	0.378	3.15E-20	0.004	0.003	0.186	0.022	84.846	TRUE	2.52E-19
PEF	ARSB	cg11541897	rs72762996	T	C	-0.254	0.041	0.096	3.74E-10	0.003	0.004	0.461	0.010	39.225	TRUE	8.15E-10
PEF	ARSB	cg11541897	rs9637824	G	A	0.269	0.024	0.364	8.89E-29	-0.006	0.003	0.031	0.032	123.826	TRUE	4.07E-27

PEF	ARSB	cg11837534	rs337853	G	A	0.159	0.023	0.398	1.00E-11	0.000	0.003	0.986	0.012	46.300	TRUE	1.44E-11
PEF	ARSB	cg13121490	rs4512118	C	G	0.168	0.031	0.177	4.47E-08	-0.007	0.003	0.039	0.008	29.917	TRUE	1.82E-07
PEF	ARSB	cg15712777	rs10042060	C	T	-0.152	0.025	0.342	1.60E-09	0.001	0.003	0.777	0.010	36.383	TRUE	2.54E-09
PEF	ARSB	cg15712777	rs113601316	T	G	0.289	0.031	0.168	1.17E-20	0.007	0.003	0.027	0.023	86.813	TRUE	2.20E-19
PEF	ARSB	cg15712777	rs478651	T	C	0.130	0.024	0.470	3.61E-08	-0.004	0.003	0.095	0.008	30.332	TRUE	1.18E-07
PEF	ARSB	cg17845680	rs10462560	C	G	0.215	0.024	0.370	3.64E-19	-0.002	0.003	0.527	0.021	80.014	TRUE	1.35E-18
PEF	ARSB	cg17845680	rs1402684	T	G	-0.201	0.026	0.276	1.97E-14	-0.003	0.003	0.256	0.016	58.527	TRUE	7.92E-14
PEF	ARSB	cg17845680	rs163126	T	C	0.779	0.029	0.179	4.59E-161	0.001	0.003	0.872	0.165	730.940	TRUE	1.10E-149
PEF	ARSB	cg17845680	rs337871	C	T	0.229	0.024	0.431	4.29E-22	0.003	0.003	0.329	0.025	93.340	TRUE	2.91E-21
PEF	ARSB	cg17845680	rs3733890	A	G	0.281	0.025	0.307	2.64E-28	-0.002	0.003	0.548	0.032	121.665	TRUE	2.03E-27
PEF	ARSB	cg17845680	rs569634929	C	T	0.234	0.024	0.378	3.82E-22	0.004	0.003	0.186	0.025	93.573	TRUE	3.66E-21
PEF	ARSB	cg17845680	rs604315	T	G	0.254	0.024	0.352	2.21E-25	-0.006	0.003	0.028	0.028	108.333	TRUE	7.34E-24
PEF	ARSB	cg17845680	rs67523903	C	T	-0.163	0.029	0.203	2.75E-08	-0.005	0.003	0.122	0.008	30.860	TRUE	8.58E-08
PEF	ARSB	cg17845680	rs72762996	T	C	-0.238	0.041	0.096	4.29E-09	0.003	0.004	0.461	0.009	34.470	TRUE	8.71E-09
PEF	ARSB	cg23392359	rs117840267	C	G	-0.996	0.180	0.011	3.41E-08	0.015	0.015	0.316	0.008	30.440	TRUE	7.58E-08
PEF	ARSB	cg23392359	rs4235713	T	C	-0.129	0.023	0.410	3.35E-08	0.005	0.003	0.067	0.008	30.476	TRUE	1.18E-07
PEF	ARSB	cg23392359	rs6878926	A	G	-0.433	0.070	0.029	6.42E-10	0.011	0.008	0.171	0.010	38.170	TRUE	2.07E-09
PEF	ARSB	cg23392359	rs7701438	T	G	-1.112	0.065	0.034	4.64E-65	0.001	0.008	0.945	0.073	289.983	TRUE	1.01E-62
PEF	ARSB	cg24893837	rs12187584	C	A	-0.170	0.024	0.442	8.57E-13	0.001	0.003	0.599	0.014	51.119	TRUE	1.91E-12
PEF	ARSB	cg24893837	rs1402684	T	G	-0.149	0.026	0.276	1.58E-08	-0.003	0.003	0.256	0.009	31.934	TRUE	3.91E-08
PEF	ARSB	cg24893837	rs485142	G	A	0.209	0.024	0.431	9.93E-19	0.002	0.003	0.488	0.021	78.031	TRUE	3.93E-18
PEF	ARSB	cg24893837	rs57444763	A	G	0.256	0.026	0.310	1.15E-23	-0.002	0.003	0.506	0.026	100.495	TRUE	6.25E-23
PEF	ARSB	cg24893837	rs575425	A	G	0.293	0.024	0.352	9.68E-34	-0.006	0.003	0.016	0.038	146.503	TRUE	1.13E-31
PEF	ARSB	cg24893837	rs57586329	C	T	0.754	0.029	0.170	2.99E-144	0.002	0.003	0.656	0.150	653.662	TRUE	1.52E-134
PEF	ARSB	cg26470338	rs10040592	G	A	-0.254	0.042	0.088	1.04E-09	0.004	0.005	0.387	0.010	37.228	TRUE	2.39E-09
PEF	ARSB	cg26470338	rs10514152	T	C	-0.616	0.045	0.071	7.31E-43	0.002	0.005	0.767	0.048	188.243	TRUE	1.53E-41
PEF	ARSB	cg26470338	rs112412427	T	C	-0.272	0.028	0.219	4.55E-22	0.007	0.003	0.027	0.025	93.225	TRUE	9.85E-21
PEF	ARSB	cg26470338	rs12187584	C	A	0.294	0.024	0.442	1.60E-35	0.001	0.003	0.599	0.040	154.658	TRUE	2.14E-34
PEF	ARSB	cg26470338	rs2052549	T	C	-0.895	0.024	0.227	<1E-200	0.003	0.003	0.290	0.281	1446.534	TRUE	1.05E-277
PEF	ARSB	cg26470338	rs2919650	A	C	-0.261	0.024	0.433	1.86E-28	0.002	0.003	0.377	0.032	122.361	TRUE	1.97E-27
PEF	ARSB	cg26470338	rs4279321	G	A	0.341	0.039	0.093	2.96E-18	-0.001	0.004	0.789	0.020	75.876	TRUE	7.51E-18
PEF	ARSB	cg26470338	rs569634929	C	T	-0.257	0.024	0.378	1.52E-26	0.004	0.003	0.186	0.030	113.628	TRUE	2.24E-25
PEF	ARSB	cg26470338	rs584218	C	T	-0.387	0.023	0.470	1.81E-62	-0.003	0.003	0.250	0.070	278.093	TRUE	1.76E-59
PEF	ARSB	cg26470338	rs585800	T	A	0.261	0.026	0.287	2.86E-24	-0.013	0.003	1.81E-06	0.027	103.261	TRUE	1.06E-21
PEF	ARSB	cg26470338	rs72762996	T	C	0.293	0.041	0.096	5.07E-13	0.003	0.004	0.461	0.014	52.151	TRUE	1.35E-12
PEF	ARSB	cg26470338	rs7701438	T	G	-0.631	0.067	0.034	4.24E-21	0.001	0.008	0.945	0.023	88.809	TRUE	1.07E-20
PEF	ARSB	cg27361227	rs62377505	A	C	0.213	0.029	0.206	1.25E-13	0.001	0.003	0.648	0.015	54.895	TRUE	2.79E-13
PEF	ARSG	cg00970435	rs1558877	T	C	0.135	0.024	0.479	1.03E-08	0.000	0.003	0.999	0.009	32.770	TRUE	1.31E-08
PEF	ARSG	cg00970435	rs72490435	A	T	-0.259	0.046	0.070	2.22E-08	-0.002	0.005	0.621	0.008	31.279	TRUE	3.73E-08
PEF	ARSG	cg00970435	rs75850252	T	C	-1.393	0.094	0.015	4.08E-50	-0.035	0.011	8.48E-04	0.056	221.463	TRUE	1.79E-46
PEF	ARSG	cg04938381	rs2160725	C	A	-0.186	0.023	0.479	1.11E-15	0.006	0.003	0.021	0.017	64.186	TRUE	1.34E-14
PEF	ARSG	cg04938381	rs7208386	A	G	0.200	0.023	0.478	1.65E-17	-0.001	0.003	0.814	0.019	72.487	TRUE	3.91E-17

PEF	ARSG	cg05505961	rs72490435	A	T	-0.272	0.046	0.070	3.92E-09	-0.002	0.005	0.621	0.009	34.646	TRUE	6.89E-09
PEF	ARSG	cg11879514	rs12940934	G	C	0.440	0.047	0.064	8.79E-21	-0.007	0.005	0.181	0.023	87.369	TRUE	7.24E-20
PEF	ARSG	cg11879514	rs12951791	T	C	-0.179	0.026	0.299	4.14E-12	-0.001	0.003	0.860	0.013	48.031	TRUE	6.94E-12
PEF	ARSG	cg11879514	rs1860037	G	A	0.399	0.025	0.309	1.35E-56	-0.003	0.003	0.285	0.064	251.167	TRUE	4.87E-54
PEF	ARSG	cg11879514	rs34927084	A	G	-0.365	0.062	0.075	3.61E-09	-0.002	0.005	0.710	0.009	34.803	TRUE	5.85E-09
PEF	ARSG	cg11879514	rs79170743	G	T	-0.535	0.033	0.141	1.41E-60	0.001	0.004	0.817	0.068	269.427	TRUE	2.17E-58
PEF	ARSG	cg11879514	rs79677880	G	A	-0.451	0.058	0.047	1.06E-14	0.006	0.006	0.278	0.016	59.741	TRUE	4.19E-14
PEF	ARSG	cg12509712	rs11658645	A	G	-0.921	0.032	0.143	6.07E-185	-0.003	0.004	0.393	0.185	840.706	TRUE	1.52E-169
PEF	ARSG	cg12509712	rs140056144	T	C	-1.483	0.138	0.014	4.77E-27	-0.006	0.011	0.561	0.030	115.932	TRUE	3.20E-26
PEF	ARSG	cg12509712	rs7210209	G	C	-0.155	0.024	0.416	7.38E-11	-0.001	0.003	0.707	0.011	42.393	TRUE	1.33E-10
PEF	ARSG	cg13093111	rs12939053	C	A	-0.157	0.026	0.293	1.19E-09	-0.006	0.003	0.039	0.010	36.971	TRUE	5.75E-09
PEF	ARSG	cg13093111	rs2362734	G	A	-0.462	0.043	0.086	1.93E-26	-0.002	0.005	0.628	0.030	113.159	TRUE	1.10E-25
PEF	ARSG	cg13093111	rs34927084	A	G	-0.678	0.061	0.075	1.47E-28	-0.002	0.005	0.710	0.032	122.830	TRUE	8.72E-28
PEF	ARSG	cg13093111	rs62088762	T	C	-0.192	0.024	0.404	1.60E-15	0.004	0.003	0.165	0.017	63.471	TRUE	8.60E-15
PEF	ARSG	cg15308737	rs12940934	G	C	0.420	0.047	0.064	3.97E-19	-0.007	0.005	0.181	0.021	79.842	TRUE	2.80E-18
PEF	ARSG	cg15308737	rs12942630	G	A	0.441	0.079	0.028	2.81E-08	0.006	0.007	0.417	0.008	30.816	TRUE	5.64E-08
PEF	ARSG	cg15308737	rs2903997	G	A	0.437	0.025	0.306	4.64E-68	-0.003	0.003	0.217	0.076	303.741	TRUE	1.26E-64
PEF	ARSG	cg15308737	rs62085864	G	A	0.154	0.024	0.422	9.27E-11	0.003	0.003	0.321	0.011	41.946	TRUE	2.45E-10
PEF	ARSG	cg15308737	rs7226220	T	A	0.339	0.062	0.064	3.86E-08	0.000	0.006	0.961	0.008	30.204	TRUE	4.96E-08
PEF	ARSG	cg15308737	rs79170743	G	T	-0.432	0.033	0.141	5.67E-40	0.001	0.004	0.817	0.045	175.014	TRUE	7.97E-39
PEF	ARSG	cg15308737	rs79677880	G	A	-0.447	0.058	0.047	1.72E-14	0.006	0.006	0.278	0.016	58.795	TRUE	6.67E-14
PEF	ARSG	cg27366162	rs9904958	A	C	-0.159	0.024	0.416	3.79E-11	-0.003	0.003	0.196	0.012	43.694	TRUE	1.27E-10
PEF	ASAH1	cg04912297	rs11984918	A	T	0.303	0.055	0.059	4.74E-08	0.001	0.006	0.870	0.008	29.806	TRUE	6.44E-08
PEF	ASAH1	cg04912297	rs13260520	C	T	0.330	0.032	0.192	1.64E-25	-0.008	0.003	0.007	0.029	108.922	TRUE	8.84E-24
PEF	ASAH1	cg04912297	rs137922664	C	T	1.027	0.108	0.010	1.82E-21	-0.011	0.011	0.307	0.024	90.481	TRUE	1.19E-20
PEF	ASAH1	cg04912297	rs17593828	C	T	0.609	0.104	0.015	5.10E-09	-0.006	0.010	0.560	0.009	34.132	TRUE	9.37E-09
PEF	ASAH1	cg04912297	rs1966290	G	A	0.161	0.025	0.415	2.39E-10	-0.005	0.003	0.085	0.011	40.097	TRUE	1.01E-09
PEF	ASAH1	cg04912297	rs399382	G	C	1.207	0.087	0.024	1.57E-43	-0.003	0.008	0.693	0.049	191.299	TRUE	4.02E-42
PEF	ASAH1	cg04912297	rs447516	C	A	0.206	0.028	0.260	3.22E-13	-0.001	0.003	0.845	0.014	53.041	TRUE	5.82E-13
PEF	ASAH1	cg04912297	rs71526168	C	T	0.499	0.049	0.076	1.92E-24	0.000	0.006	0.998	0.027	104.049	TRUE	5.64E-24
PEF	ASAH1	cg04912297	rs73198081	T	A	-0.593	0.106	0.031	2.08E-08	-0.004	0.007	0.581	0.008	31.406	TRUE	3.62E-08
PEF	ASAH1	cg04912297	rs73202002	A	G	0.727	0.112	0.014	8.75E-11	-0.004	0.010	0.701	0.011	42.059	TRUE	1.57E-10
PEF	ASAH1	cg04912297	rs7387252	T	C	0.983	0.034	0.146	2.15E-180	0.002	0.004	0.660	0.181	819.797	TRUE	3.86E-166
PEF	ASAH1	cg04912297	rs7462730	A	C	0.796	0.098	0.036	3.33E-16	0.002	0.007	0.809	0.018	66.563	TRUE	7.32E-16
PEF	ASAH1	cg06891716	rs113060216	A	G	0.434	0.067	0.035	1.16E-10	0.000	0.007	0.990	0.011	41.508	TRUE	1.61E-10
PEF	ASAH1	cg18067069	rs11776689	T	G	0.445	0.049	0.077	1.52E-19	-0.007	0.005	0.144	0.022	81.741	TRUE	1.28E-18
PEF	ASAH1	cg18067069	rs12549893	G	C	-0.157	0.026	0.384	1.25E-09	0.003	0.003	0.197	0.010	36.875	TRUE	3.75E-09
PEF	ASAH1	cg18067069	rs17436109	T	C	-0.388	0.055	0.060	2.34E-12	0.008	0.006	0.142	0.013	49.146	TRUE	1.01E-11
PEF	ASAH1	cg18067069	rs17593975	G	C	-0.360	0.060	0.044	1.60E-09	-0.003	0.006	0.698	0.010	36.386	TRUE	2.71E-09
PEF	ASAH1	cg18067069	rs17693097	C	G	0.336	0.052	0.064	1.09E-10	-0.016	0.005	0.002	0.011	41.623	TRUE	1.16E-09
PEF	ASAH1	cg18067069	rs34482943	T	C	0.527	0.049	0.075	1.06E-26	-0.004	0.005	0.439	0.030	114.348	TRUE	8.44E-26
PEF	ASAH1	cg18067069	rs444618	A	T	0.317	0.039	0.114	8.84E-16	-0.005	0.004	0.230	0.017	64.639	TRUE	4.20E-15

PEF	ASAH1	cg18067069	rs4921901	G	A	0.340	0.058	0.051	4.66E-09	-0.008	0.006	0.180	0.009	34.307	TRUE	1.37E-08
PEF	ASAH1	cg18067069	rs62492594	T	G	0.340	0.059	0.052	7.40E-09	-0.016	0.006	0.009	0.009	33.409	TRUE	4.51E-08
PEF	ASAH1	cg18067069	rs73208640	C	G	0.333	0.049	0.070	1.14E-11	0.000	0.005	0.951	0.012	46.046	TRUE	1.71E-11
PEF	ASAH1	cg18067069	rs7825215	C	A	0.744	0.024	0.448	6.37E-216	-0.007	0.003	0.005	0.210	983.137	TRUE	3.05E-193
PEF	ASAH1	cg18067069	rs7827552	G	T	0.330	0.036	0.146	9.90E-20	0.011	0.004	0.002	0.022	82.585	TRUE	4.01E-18
PEF	ASAH1	cg18067069	rs79451156	G	A	0.383	0.043	0.100	3.75E-19	0.001	0.004	0.809	0.021	79.953	TRUE	9.81E-19
PEF	ASAH1	cg18929511	rs1015502	T	C	0.185	0.027	0.320	9.51E-12	-0.002	0.003	0.521	0.012	46.403	TRUE	2.14E-11
PEF	ASAH1	cg18929511	rs117633627	G	A	0.878	0.134	0.019	5.50E-11	-0.015	0.009	0.100	0.011	42.969	TRUE	2.35E-10
PEF	ASAH1	cg18929511	rs13260520	C	T	0.357	0.032	0.192	1.24E-29	-0.008	0.003	0.007	0.033	127.727	TRUE	1.14E-27
PEF	ASAH1	cg18929511	rs1353037	C	T	0.254	0.032	0.196	1.26E-15	-0.006	0.003	0.054	0.017	63.947	TRUE	1.07E-14
PEF	ASAH1	cg18929511	rs139334311	C	T	0.972	0.150	0.014	8.86E-11	-0.011	0.010	0.306	0.011	42.035	TRUE	2.43E-10
PEF	ASAH1	cg18929511	rs399382	G	C	1.365	0.087	0.024	1.49E-55	-0.003	0.008	0.693	0.062	246.387	TRUE	1.57E-53
PEF	ASAH1	cg18929511	rs71526156	C	T	1.022	0.094	0.039	9.51E-28	-0.007	0.006	0.259	0.031	119.128	TRUE	1.24E-26
PEF	ASAH1	cg18929511	rs71526168	C	T	0.400	0.049	0.076	3.68E-16	0.000	0.006	0.998	0.018	66.367	TRUE	6.57E-16
PEF	ASAH1	cg18929511	rs73202002	A	G	1.020	0.112	0.014	6.50E-20	-0.004	0.010	0.701	0.022	83.416	TRUE	2.05E-19
PEF	ASAH1	cg18929511	rs7387252	T	C	0.977	0.034	0.146	1.64E-177	0.002	0.004	0.660	0.179	806.541	TRUE	1.19E-163
PEF	ASAH1	cg18929511	rs7387599	G	C	0.243	0.036	0.129	2.54E-11	-0.005	0.004	0.191	0.012	44.478	TRUE	9.03E-11
PEF	ASAH1	cg18929511	rs7462730	A	C	0.822	0.098	0.036	3.62E-17	0.002	0.007	0.809	0.019	70.936	TRUE	8.44E-17
PEF	ASAH1	cg23540819	rs10102764	C	T	-0.175	0.030	0.223	9.16E-09	-0.005	0.003	0.099	0.009	32.994	TRUE	3.11E-08
PEF	ASAH1	cg23540819	rs10106223	G	C	-0.382	0.062	0.043	7.25E-10	0.002	0.006	0.713	0.010	37.932	TRUE	1.22E-09
PEF	ASAH1	cg23540819	rs116180957	C	T	-0.477	0.076	0.030	4.14E-10	0.009	0.008	0.271	0.010	39.023	TRUE	1.14E-09
PEF	ASAH1	cg23540819	rs17126208	G	C	0.509	0.071	0.037	6.36E-13	-0.005	0.007	0.449	0.014	51.706	TRUE	1.70E-12
PEF	ASAH1	cg23540819	rs2283120	C	T	0.206	0.026	0.415	1.33E-15	-0.007	0.003	0.010	0.017	63.837	TRUE	1.83E-14
PEF	ASAH1	cg23540819	rs2517318	A	G	-0.244	0.042	0.104	8.34E-09	-0.003	0.004	0.556	0.009	33.176	TRUE	1.53E-08
PEF	ASAH1	cg23540819	rs35425490	A	G	-0.849	0.066	0.042	2.31E-38	0.004	0.007	0.510	0.043	167.645	TRUE	4.86E-37
PEF	ATG2B	cg01050076	rs11621967	C	G	0.240	0.028	0.228	1.47E-17	-0.006	0.003	0.064	0.019	72.715	TRUE	1.37E-16
PEF	ATG2B	cg18920658	rs17094034	C	T	0.172	0.026	0.255	3.53E-11	0.006	0.003	0.040	0.012	43.837	TRUE	2.03E-10
PEF	ATG9B	cg02027878	rs2566511	T	C	0.186	0.027	0.245	8.14E-12	0.001	0.003	0.666	0.012	46.706	TRUE	1.60E-11
PEF	ATG9B	cg09519327	rs2853795	G	A	0.182	0.031	0.172	2.64E-09	0.002	0.003	0.471	0.009	35.414	TRUE	5.33E-09
PEF	ATG9B	cg09519327	rs3918184	T	C	-0.167	0.024	0.370	5.17E-12	-0.001	0.003	0.808	0.013	47.597	TRUE	8.91E-12
PEF	ATG9B	cg15183092	rs3918184	T	C	-0.140	0.024	0.370	9.94E-09	-0.001	0.003	0.808	0.009	32.835	TRUE	1.45E-08
PEF	ATP13A2	cg03937609	rs6703561	A	G	0.493	0.061	0.038	5.92E-16	0.007	0.007	0.266	0.017	65.428	TRUE	2.66E-15
PEF	ATP13A2	cg06953703	rs9435739	G	A	0.159	0.025	0.332	1.31E-10	0.018	0.003	2.08E-11	0.011	41.276	TRUE	1.23E-08
PEF	ATP13A2	cg16027378	rs2235930	A	G	0.142	0.024	0.418	1.72E-09	0.016	0.003	1.88E-09	0.010	36.245	TRUE	8.13E-08
PEF	ATP13A2	cg22045253	rs34778293	A	G	0.279	0.048	0.062	5.82E-09	0.008	0.005	0.093	0.009	33.876	TRUE	2.08E-08
PEF	ATP13A2	cg22045253	rs56047197	A	G	0.532	0.026	0.266	1.10E-90	0.019	0.003	2.35E-11	0.099	407.587	TRUE	9.86E-81
PEF	ATP13A2	cg22045253	rs9435730	G	A	-0.182	0.031	0.165	4.17E-09	0.011	0.003	6.76E-04	0.009	34.524	TRUE	4.20E-08
PEF	ATP2A1	cg04414917	rs12928404	C	T	-0.399	0.024	0.392	4.69E-64	-0.005	0.003	0.042	0.072	285.373	TRUE	2.40E-60
PEF	ATP2A1	cg04414917	rs153105	C	T	-0.297	0.046	0.074	1.12E-10	-0.003	0.005	0.515	0.011	41.575	TRUE	2.41E-10
PEF	ATP2A1	cg04414917	rs28709965	A	G	0.171	0.023	0.491	3.09E-13	0.001	0.003	0.771	0.014	53.121	TRUE	5.91E-13
PEF	ATP2A1	cg04414917	rs73535886	C	T	-0.144	0.026	0.319	1.89E-08	-0.003	0.003	0.321	0.008	31.589	TRUE	4.19E-08
PEF	ATP2A1	cg05966235	rs11401	G	A	-0.193	0.031	0.184	4.40E-10	-0.001	0.003	0.772	0.010	38.905	TRUE	7.17E-10

PEF	ATP2A1	cg05966235	rs11642449	T	C	0.766	0.022	0.346	1.24E-273	-0.004	0.003	0.161	0.252	1248.519	TRUE	1.06E-242
PEF	ATP2A1	cg05966235	rs369524013	A	G	-0.154	0.025	0.326	9.20E-10	0.000	0.003	0.994	0.010	37.468	TRUE	1.22E-09
PEF	ATP2A1	cg05966235	rs67479058	C	T	-0.334	0.029	0.191	3.48E-30	-0.003	0.003	0.385	0.034	130.253	TRUE	4.33E-29
PEF	ATP2A1	cg05966235	rs72791878	T	C	0.593	0.065	0.034	5.91E-20	-0.003	0.007	0.606	0.022	83.604	TRUE	2.11E-19
PEF	ATP2A1	cg05966235	rs8052258	C	T	-0.270	0.023	0.476	6.50E-31	-0.001	0.003	0.842	0.035	133.581	TRUE	3.90E-30
PEF	ATP2A1	cg05966235	rs8054074	A	G	0.271	0.025	0.314	1.99E-26	-0.003	0.003	0.306	0.030	113.101	TRUE	2.07E-25
PEF	ATP2A1	cg08213689	rs40831	G	A	0.141	0.024	0.419	2.99E-09	-0.003	0.003	0.219	0.009	35.168	TRUE	8.12E-09
PEF	ATP2A1	cg10436792	rs11150697	T	C	0.323	0.038	0.121	2.00E-17	-0.004	0.004	0.323	0.019	72.102	TRUE	9.00E-17
PEF	ATP2A1	cg10436792	rs142505175	A	G	0.367	0.059	0.042	4.28E-10	-0.004	0.006	0.575	0.010	38.958	TRUE	8.32E-10
PEF	ATP2A1	cg10436792	rs576443469	A	G	-0.229	0.026	0.278	2.68E-18	-0.004	0.003	0.147	0.020	76.073	TRUE	1.99E-17
PEF	ATP2A1	cg10436792	rs8052258	C	T	0.167	0.023	0.476	1.17E-12	-0.001	0.003	0.842	0.013	50.510	TRUE	2.04E-12
PEF	ATP2A1	cg10436792	rs9933198	T	C	0.546	0.027	0.255	6.12E-94	0.000	0.003	0.997	0.103	422.529	TRUE	1.27E-89
PEF	ATP2A1	cg27473355	rs62037414	C	T	0.189	0.025	0.331	2.37E-14	-0.003	0.003	0.346	0.015	58.164	TRUE	8.03E-14
PEF	ATP2A3	cg00095677	rs2176323	T	C	0.312	0.050	0.123	4.59E-10	-0.007	0.004	0.077	0.010	38.825	TRUE	1.90E-09
PEF	ATP2A3	cg00095677	rs2240805	A	G	0.252	0.033	0.362	4.16E-14	0.003	0.003	0.251	0.015	57.062	TRUE	1.64E-13
PEF	ATP2A3	cg00095677	rs2254021	A	T	0.208	0.024	0.373	1.10E-17	0.007	0.003	0.006	0.019	73.285	TRUE	2.30E-16
PEF	ATP2A3	cg00095677	rs56172839	T	C	-1.184	0.090	0.042	1.01E-39	0.012	0.007	0.067	0.045	173.873	TRUE	1.17E-37
PEF	ATP2A3	cg00095677	rs7208941	T	G	-1.378	0.033	0.137	<1E-200	0.005	0.004	0.155	0.315	1702.561	TRUE	<1E-200
PEF	ATP2A3	cg00095677	rs79760850	C	T	-0.921	0.102	0.020	1.71E-19	0.016	0.008	0.048	0.022	81.500	TRUE	2.28E-18
PEF	ATP2A3	cg01703329	rs8070203	C	A	0.499	0.028	0.232	1.05E-72	0.010	0.003	0.002	0.081	325.055	TRUE	1.89E-67
PEF	ATP2A3	cg01703329	rs933210	T	C	-0.162	0.030	0.190	4.48E-08	-0.002	0.003	0.508	0.008	29.914	TRUE	8.11E-08
PEF	ATP2A3	cg01703329	rs9895032	T	C	0.180	0.023	0.495	1.11E-14	0.008	0.003	0.002	0.016	59.667	TRUE	2.19E-13
PEF	ATP2A3	cg06463185	rs12936489	T	C	-0.815	0.043	0.142	1.78E-80	0.004	0.004	0.226	0.089	360.720	TRUE	3.47E-76
PEF	ATP2A3	cg06463185	rs142472050	A	G	0.291	0.052	0.109	1.91E-08	0.002	0.004	0.651	0.008	31.565	TRUE	3.16E-08
PEF	ATP2A3	cg06463185	rs2254021	A	T	0.170	0.024	0.373	2.57E-12	0.007	0.003	0.006	0.013	48.962	TRUE	2.69E-11
PEF	ATP2A3	cg06463185	rs56172839	T	C	-0.636	0.092	0.042	4.11E-12	0.012	0.007	0.067	0.013	48.045	TRUE	2.21E-11
PEF	ATP2A3	cg06463185	rs79760850	C	T	-0.652	0.102	0.020	1.36E-10	0.016	0.008	0.048	0.011	41.200	TRUE	6.89E-10
PEF	ATP2A3	cg09013975	rs7213688	A	G	-0.198	0.030	0.194	3.57E-11	0.005	0.003	0.149	0.012	43.814	TRUE	1.34E-10
PEF	ATP2A3	cg11608582	rs7215058	A	C	0.259	0.041	0.177	2.09E-10	0.005	0.003	0.118	0.011	40.358	TRUE	8.11E-10
PEF	ATP2A3	cg12868320	rs34689261	G	A	0.247	0.044	0.137	1.95E-08	0.005	0.004	0.171	0.008	31.524	TRUE	5.45E-08
PEF	ATP2A3	cg18963239	rs11871473	C	T	0.247	0.025	0.346	2.10E-23	0.008	0.003	0.003	0.026	99.314	TRUE	1.15E-21
PEF	ATP2A3	cg18963239	rs12325787	T	C	0.189	0.030	0.186	2.03E-10	-0.002	0.003	0.500	0.011	40.419	TRUE	4.27E-10
PEF	ATP2A3	cg20473595	rs11871473	C	T	0.348	0.025	0.346	6.65E-45	0.008	0.003	0.003	0.051	197.587	TRUE	7.56E-42
PEF	ATP2A3	cg20473595	rs2301351	T	C	0.263	0.037	0.255	8.61E-13	0.004	0.003	0.166	0.014	51.111	TRUE	3.60E-12
PEF	ATP2A3	cg20473595	rs2727072	G	C	-0.180	0.030	0.188	2.27E-09	0.008	0.003	0.014	0.010	35.710	TRUE	1.35E-08
PEF	ATP2A3	cg20473595	rs7214726	A	G	0.261	0.040	0.190	8.22E-11	0.010	0.003	0.002	0.011	42.182	TRUE	9.02E-10
PEF	ATP2A3	cg25599198	rs11652572	G	T	0.661	0.105	0.026	2.77E-10	-0.014	0.008	0.091	0.011	39.812	TRUE	1.13E-09
PEF	ATP2A3	cg25599198	rs138478638	C	T	0.615	0.036	0.253	2.02E-65	-0.001	0.003	0.664	0.073	291.636	TRUE	8.98E-63
PEF	ATP2A3	cg25599198	rs28374275	G	A	0.257	0.025	0.346	2.85E-25	0.008	0.003	0.003	0.028	107.824	TRUE	1.86E-23
PEF	ATP2A3	cg25599198	rs62071740	A	T	0.659	0.094	0.040	2.73E-12	-0.007	0.007	0.296	0.013	48.850	TRUE	8.58E-12
PEF	ATP2A3	cg25599198	rs7212159	C	T	-0.221	0.030	0.189	1.19E-13	0.005	0.003	0.124	0.015	54.988	TRUE	6.06E-13
PEF	ATP2A3	cg25599198	rs9893372	T	C	0.213	0.035	0.323	1.01E-09	0.003	0.003	0.263	0.010	37.293	TRUE	2.70E-09

PEF	ATP2A3	cg25599198	rs9907835	T	G	0.294	0.035	0.131	3.60E-17	0.002	0.004	0.695	0.019	70.947	TRUE	9.67E-17
PEF	ATP2A3	cg25738176	rs111834286	A	G	-0.235	0.037	0.114	2.72E-10	0.001	0.004	0.762	0.011	39.848	TRUE	4.51E-10
PEF	ATP2A3	cg25738176	rs12601931	C	T	0.187	0.030	0.187	6.26E-10	0.006	0.003	0.048	0.010	38.219	TRUE	2.93E-09
PEF	ATP2A3	cg25738176	rs1468573	G	A	-0.299	0.024	0.426	3.81E-36	0.005	0.003	0.050	0.041	157.501	TRUE	3.40E-34
PEF	ATP2A3	cg25738176	rs56369222	A	G	-0.349	0.044	0.233	1.10E-15	0.003	0.003	0.383	0.017	64.200	TRUE	3.94E-15
PEF	ATP2A3	cg25738176	rs76401897	T	C	-0.320	0.052	0.053	1.06E-09	0.008	0.006	0.166	0.010	37.194	TRUE	3.37E-09
PEF	ATP6V0A2	cg02460419	rs10773024	G	C	-0.393	0.057	0.042	5.34E-12	-0.015	0.006	0.017	0.013	47.533	TRUE	4.16E-11
PEF	ATP6V0A2	cg02460419	rs112002563	T	C	0.366	0.058	0.046	2.31E-10	0.000	0.006	0.976	0.011	40.160	TRUE	3.22E-10
PEF	ATP6V0A2	cg02460419	rs141433349	A	G	0.340	0.059	0.035	7.83E-09	0.012	0.007	0.059	0.009	33.299	TRUE	3.13E-08
PEF	ATP6V0A2	cg02460419	rs147460725	T	G	0.421	0.041	0.084	5.45E-25	0.016	0.004	1.88E-04	0.028	106.543	TRUE	7.90E-23
PEF	ATP6V0A2	cg02460419	rs2341779	G	A	-0.132	0.024	0.421	2.32E-08	-0.001	0.003	0.588	0.008	31.193	TRUE	3.99E-08
PEF	ATP6V0A2	cg02460419	rs34224739	G	A	0.431	0.050	0.060	9.67E-18	0.000	0.005	0.994	0.019	73.540	TRUE	1.88E-17
PEF	ATP6V0A2	cg02460419	rs35157218	T	C	0.308	0.041	0.218	6.99E-14	0.008	0.003	0.009	0.015	56.042	TRUE	7.90E-13
PEF	ATP6V0A2	cg02460419	rs3926666	C	T	0.153	0.025	0.310	1.07E-09	0.003	0.003	0.260	0.010	37.165	TRUE	2.87E-09
PEF	ATP6V0A2	cg02460419	rs4930730	T	G	-0.222	0.024	0.476	9.42E-21	-0.009	0.003	3.60E-04	0.023	87.233	TRUE	6.55E-19
PEF	ATP6V0A2	cg02460419	rs6488898	G	A	0.321	0.058	0.076	3.89E-08	0.010	0.005	0.041	0.008	30.188	TRUE	1.57E-07
PEF	ATP6V0A2	cg02460419	rs7313032	A	G	0.664	0.023	0.423	3.53E-183	0.012	0.003	1.71E-06	0.184	832.597	TRUE	2.55E-163
PEF	ATP6V0A2	cg04140754	rs111853781	G	T	-0.994	0.092	0.017	5.03E-27	0.010	0.009	0.279	0.030	115.824	TRUE	5.86E-26
PEF	ATP6V0A2	cg04140754	rs117209788	T	C	0.471	0.041	0.086	3.62E-31	0.016	0.004	2.52E-04	0.035	134.744	TRUE	1.20E-28
PEF	ATP6V0A2	cg04140754	rs13303334	G	A	0.262	0.042	0.215	3.67E-10	0.009	0.003	0.004	0.011	39.259	TRUE	3.25E-09
PEF	ATP6V0A2	cg04140754	rs138808037	T	C	0.372	0.068	0.030	4.60E-08	0.009	0.008	0.247	0.008	29.861	TRUE	1.12E-07
PEF	ATP6V0A2	cg04140754	rs141433349	A	G	0.407	0.059	0.035	3.84E-12	0.012	0.007	0.059	0.013	48.177	TRUE	2.20E-11
PEF	ATP6V0A2	cg04140754	rs2203500	G	A	0.747	0.023	0.404	7.01E-236	0.011	0.003	1.44E-05	0.225	1074.911	TRUE	8.67E-208
PEF	ATP6V0A2	cg04140754	rs2674505	G	A	0.293	0.024	0.411	1.03E-35	0.005	0.003	0.062	0.040	155.527	TRUE	7.86E-34
PEF	ATP6V0A2	cg04140754	rs28531860	G	A	0.141	0.025	0.321	2.58E-08	0.002	0.003	0.432	0.008	30.984	TRUE	5.18E-08
PEF	ATP6V0A2	cg04140754	rs3926666	C	T	0.169	0.025	0.310	1.76E-11	0.003	0.003	0.260	0.012	45.196	TRUE	5.44E-11
PEF	ATP6V0A2	cg04140754	rs55920625	A	C	0.550	0.049	0.061	9.41E-29	0.000	0.005	0.981	0.032	123.714	TRUE	3.85E-28
PEF	ATP6V0A2	cg04140754	rs6488898	G	A	0.361	0.058	0.076	4.65E-10	0.010	0.005	0.041	0.010	38.799	TRUE	2.35E-09
PEF	ATP6V0A2	cg04140754	rs7138100	A	C	-0.237	0.025	0.344	8.81E-22	-0.003	0.003	0.275	0.024	91.918	TRUE	6.26E-21
PEF	ATP6V0A2	cg06735598	rs10773039	A	G	-0.171	0.023	0.459	2.21E-13	0.004	0.003	0.080	0.014	53.777	TRUE	1.30E-12
PEF	ATP6V0A2	cg06735598	rs10846530	C	G	0.436	0.065	0.031	2.65E-11	-0.012	0.007	0.078	0.012	44.392	TRUE	1.28E-10
PEF	ATP6V0A2	cg06735598	rs112002563	T	C	-0.475	0.058	0.046	1.59E-16	0.000	0.006	0.976	0.018	68.014	TRUE	2.99E-16
PEF	ATP6V0A2	cg06735598	rs11615300	G	A	-0.825	0.021	0.419	<1E-200	0.011	0.003	8.64E-06	0.297	1564.659	TRUE	2.59E-292
PEF	ATP6V0A2	cg06735598	rs116981002	G	A	0.410	0.071	0.056	7.74E-09	-0.008	0.006	0.197	0.009	33.320	TRUE	2.13E-08
PEF	ATP6V0A2	cg06735598	rs11834698	G	A	-0.386	0.063	0.038	8.20E-10	0.017	0.006	0.007	0.010	37.691	TRUE	5.91E-09
PEF	ATP6V0A2	cg06735598	rs141433349	A	G	-0.345	0.059	0.035	4.75E-09	0.012	0.007	0.059	0.009	34.269	TRUE	1.95E-08
PEF	ATP6V0A2	cg06735598	rs143928387	T	C	-0.444	0.041	0.085	2.00E-27	0.016	0.004	2.51E-04	0.031	117.654	TRUE	3.79E-25
PEF	ATP6V0A2	cg06735598	rs2674506	C	T	-0.321	0.024	0.412	6.10E-41	0.007	0.003	0.008	0.046	179.444	TRUE	2.41E-38
PEF	ATP6V0A2	cg06735598	rs34224739	G	A	-0.519	0.050	0.060	4.45E-25	0.000	0.005	0.994	0.028	106.944	TRUE	1.37E-24
PEF	ATP6V0A2	cg06735598	rs35157218	T	C	-0.392	0.041	0.218	9.44E-22	0.008	0.003	0.009	0.024	91.782	TRUE	2.83E-20
PEF	ATP6V0A2	cg06735598	rs3926666	C	T	-0.167	0.025	0.310	3.47E-11	0.003	0.003	0.260	0.012	43.869	TRUE	1.05E-10
PEF	ATP6V0A2	cg06735598	rs6488907	A	G	0.143	0.025	0.296	1.52E-08	-0.008	0.003	0.002	0.009	32.013	TRUE	1.14E-07

PEF	ATP6V0A2	cg06735598	rs7964876	T	C	-0.330	0.044	0.068	6.83E-14	0.002	0.005	0.652	0.015	56.085	TRUE	1.54E-13
PEF	ATP6V0A2	cg16376770	rs7302788	C	T	-0.147	0.024	0.406	8.92E-10	0.011	0.003	1.33E-05	0.010	37.527	TRUE	1.71E-08
PEF	ATP6V0A2	cg17306339	rs111260541	A	G	0.908	0.096	0.018	3.45E-21	0.016	0.009	0.089	0.024	89.221	TRUE	4.24E-20
PEF	ATP6V0A2	cg17306339	rs4040225	A	G	0.182	0.024	0.453	6.93E-14	0.010	0.003	1.17E-04	0.015	56.057	TRUE	2.15E-12
PEF	ATP6V0A2	cg21179092	rs7133199	C	A	0.237	0.024	0.423	2.38E-23	0.012	0.003	1.83E-06	0.026	99.063	TRUE	7.11E-21
PEF	ATP6V0A2	cg25710520	rs11572926	G	A	0.272	0.049	0.060	3.65E-08	-0.006	0.005	0.279	0.008	30.308	TRUE	8.56E-08
PEF	ATP6V0A2	cg25710520	rs117209788	T	C	-0.282	0.041	0.086	5.11E-12	0.016	0.004	2.52E-04	0.013	47.619	TRUE	9.39E-11
PEF	ATP6V0A2	cg25710520	rs11837256	T	A	-0.543	0.024	0.404	5.25E-118	0.011	0.003	1.59E-05	0.126	533.070	TRUE	2.61E-107
PEF	ATP6V0A2	cg25710520	rs13303189	T	A	-0.277	0.042	0.211	6.14E-11	0.009	0.003	0.003	0.011	42.752	TRUE	6.35E-10
PEF	ATP6V0A2	cg25710520	rs2674505	G	A	-0.186	0.024	0.411	3.77E-15	0.005	0.003	0.062	0.016	61.783	TRUE	2.91E-14
PEF	ATP6V0A2	cg25710520	rs55920625	A	C	-0.317	0.050	0.061	1.82E-10	0.000	0.005	0.981	0.011	40.632	TRUE	2.51E-10
PEF	ATP6V0D1	cg04726373	rs147994279	T	C	-0.535	0.062	0.035	6.91E-18	0.007	0.007	0.314	0.020	74.202	TRUE	3.33E-17
PEF	ATP6V0D1	cg06120000	rs75204333	C	T	0.377	0.055	0.045	1.02E-11	0.014	0.006	0.022	0.012	46.268	TRUE	7.36E-11
PEF	ATP6V0D1	cg07871059	rs55966046	A	C	-0.342	0.044	0.074	5.47E-15	0.007	0.005	0.124	0.016	61.051	TRUE	3.20E-14
PEF	ATP6V0D1	cg08830672	rs111986796	T	C	0.743	0.091	0.020	2.52E-16	-0.005	0.010	0.668	0.018	67.107	TRUE	6.57E-16
PEF	ATP6V0D1	cg08830672	rs55966046	A	C	-0.480	0.044	0.074	2.89E-28	0.007	0.005	0.124	0.032	121.491	TRUE	6.38E-27
PEF	ATP6V0D1	cg08830672	rs8051517	C	T	-0.325	0.050	0.057	1.06E-10	0.010	0.005	0.047	0.011	41.685	TRUE	5.46E-10
PEF	ATP6V0D1	cg08830672	rs9930024	C	T	-0.152	0.024	0.400	2.84E-10	0.004	0.003	0.119	0.011	39.759	TRUE	1.05E-09
PEF	ATP6V0D1	cg10189135	rs111986796	T	C	0.576	0.091	0.020	2.23E-10	-0.005	0.010	0.668	0.011	40.228	TRUE	4.05E-10
PEF	ATP6V0D1	cg10189135	rs55966046	A	C	-0.405	0.044	0.074	1.73E-20	0.007	0.005	0.124	0.023	86.033	TRUE	1.72E-19
PEF	ATP6V1C2	cg01089589	rs11902342	G	A	0.135	0.023	0.451	5.88E-09	-0.001	0.003	0.740	0.009	33.856	TRUE	9.11E-09
PEF	ATP6V1C2	cg01089589	rs17455729	A	G	-0.888	0.041	0.077	3.69E-103	0.000	0.005	0.942	0.112	464.871	TRUE	5.18E-98
PEF	ATP6V1C2	cg01089589	rs3856466	T	C	0.246	0.029	0.209	1.74E-17	-0.003	0.003	0.281	0.019	72.381	TRUE	8.47E-17
PEF	ATP6V1C2	cg08352575	rs1318010	A	G	0.197	0.024	0.384	6.92E-16	0.003	0.003	0.221	0.017	65.120	TRUE	3.39E-15
PEF	ATP6V1C2	cg08352575	rs146004635	A	G	-0.751	0.061	0.037	5.09E-35	-0.004	0.007	0.527	0.040	152.355	TRUE	7.55E-34
PEF	ATP6V1C2	cg08352575	rs150958118	T	C	-1.072	0.172	0.012	4.87E-10	-0.011	0.012	0.332	0.010	38.708	TRUE	1.23E-09
PEF	ATP6V1C2	cg08352575	rs2969882	C	T	0.690	0.025	0.273	4.13E-168	-0.001	0.003	0.634	0.171	763.329	TRUE	1.99E-155
PEF	ATP6V1C2	cg08352575	rs2969891	A	G	0.302	0.025	0.302	1.06E-33	0.002	0.003	0.419	0.038	146.319	TRUE	1.66E-32
PEF	ATP6V1C2	cg08352575	rs34847718	T	C	0.136	0.024	0.463	6.85E-09	-0.002	0.003	0.332	0.009	33.560	TRUE	1.57E-08
PEF	ATP6V1C2	cg08352575	rs3856466	T	C	-0.861	0.028	0.209	6.63E-213	-0.003	0.003	0.281	0.208	969.265	TRUE	4.58E-193
PEF	ATP6V1C2	cg08352575	rs4669620	C	G	0.326	0.035	0.122	1.06E-20	-0.005	0.004	0.256	0.023	87.000	TRUE	7.39E-20
PEF	ATP6V1C2	cg08352575	rs72781424	T	C	-0.256	0.045	0.071	1.78E-08	-0.010	0.005	0.033	0.008	31.703	TRUE	7.76E-08
PEF	ATP6V1C2	cg08803791	rs1198842	T	G	0.147	0.024	0.397	9.77E-10	-0.003	0.003	0.201	0.010	37.351	TRUE	2.90E-09
PEF	ATP6V1C2	cg08803791	rs12465136	T	A	0.163	0.028	0.242	3.53E-09	0.001	0.003	0.760	0.009	34.848	TRUE	5.55E-09
PEF	ATP6V1C2	cg08803791	rs6737844	C	T	-0.331	0.024	0.409	5.83E-45	0.003	0.003	0.264	0.051	197.851	TRUE	4.91E-43
PEF	ATP6V1C2	cg18436444	rs1734422	C	A	-0.185	0.024	0.438	3.92E-15	0.003	0.003	0.287	0.016	61.704	TRUE	1.59E-14
PEF	ATP6V1C2	cg21879157	rs11885275	G	A	-0.200	0.028	0.239	5.56E-13	0.007	0.003	0.026	0.014	51.967	TRUE	4.32E-12
PEF	ATP6V1C2	cg22243662	rs113787127	C	T	-0.271	0.034	0.136	1.30E-15	0.002	0.004	0.599	0.017	63.880	TRUE	3.45E-15
PEF	ATP6V1C2	cg22243662	rs12468286	A	G	0.130	0.023	0.457	2.28E-08	-0.003	0.003	0.269	0.008	31.222	TRUE	5.51E-08
PEF	ATP6V1C2	cg26301562	rs1060011	A	G	0.770	0.123	0.018	3.71E-10	0.007	0.010	0.450	0.010	39.239	TRUE	8.23E-10
PEF	ATP6V1C2	cg26301562	rs34533775	C	T	-0.179	0.024	0.379	7.69E-14	0.004	0.003	0.148	0.015	55.854	TRUE	3.66E-13
PEF	ATP6V1E2	cg02822958	rs10209278	C	T	-0.221	0.025	0.325	5.94E-19	-0.001	0.003	0.642	0.021	79.045	TRUE	1.86E-18

PEF	ATP6V1E2	cg02822958	rs116814191	C	T	-0.473	0.036	0.111	3.82E-39	0.002	0.004	0.646	0.044	171.222	TRUE	6.71E-38
PEF	ATP6V1E2	cg02822958	rs12614710	T	G	0.162	0.024	0.427	7.45E-12	-0.002	0.003	0.509	0.013	46.881	TRUE	1.75E-11
PEF	ATP6V1E2	cg02822958	rs13011481	T	C	-0.239	0.024	0.414	1.81E-23	0.004	0.003	0.126	0.026	99.610	TRUE	2.30E-22
PEF	ATP6V1E2	cg02822958	rs13011721	G	T	0.645	0.080	0.042	1.07E-15	0.009	0.007	0.180	0.017	64.264	TRUE	5.67E-15
PEF	ATP6V1E2	cg02822958	rs13382833	C	T	-0.382	0.068	0.063	2.40E-08	-0.002	0.005	0.771	0.008	31.123	TRUE	3.57E-08
PEF	ATP6V1E2	cg02822958	rs188749997	T	C	-0.434	0.078	0.023	2.79E-08	0.000	0.009	0.976	0.008	30.832	TRUE	3.56E-08
PEF	ATP6V1E2	cg02822958	rs60154242	G	A	-0.314	0.025	0.328	9.97E-37	-0.003	0.003	0.320	0.042	160.166	TRUE	2.66E-35
PEF	ATP6V1E2	cg02822958	rs62134690	T	G	-0.448	0.050	0.058	7.27E-19	-0.002	0.005	0.681	0.021	78.646	TRUE	2.20E-18
PEF	ATP6V1E2	cg02822958	rs62136895	A	G	0.303	0.030	0.188	1.09E-23	-0.007	0.003	0.030	0.026	100.610	TRUE	2.84E-22
PEF	ATP6V1E2	cg02822958	rs6719054	A	C	-0.883	0.018	0.487	<1E-200	0.003	0.003	0.237	0.385	2311.347	TRUE	<1E-200
PEF	ATP6V1E2	cg02822958	rs72808521	C	T	-0.281	0.050	0.056	1.39E-08	-0.003	0.005	0.560	0.009	32.182	TRUE	2.50E-08
PEF	ATP6V1E2	cg02822958	rs7594523	C	G	0.325	0.024	0.364	6.10E-42	0.007	0.003	0.007	0.047	184.023	TRUE	3.08E-39
PEF	ATP6V1E2	cg02822958	rs7609080	C	T	0.349	0.034	0.140	1.67E-24	0.007	0.004	0.065	0.027	104.329	TRUE	3.32E-23
PEF	ATP6V1E2	cg02822958	rs76724814	A	G	0.459	0.049	0.060	8.61E-21	-0.003	0.005	0.571	0.023	87.411	TRUE	3.48E-20
PEF	ATP6V1E2	cg02822958	rs78984810	C	T	-0.434	0.047	0.075	5.22E-20	0.001	0.005	0.803	0.022	83.847	TRUE	1.46E-19
PEF	ATP6V1E2	cg02822958	rs79583301	A	G	-0.461	0.044	0.072	1.65E-25	0.002	0.005	0.616	0.029	108.905	TRUE	8.93E-25
PEF	ATP6V1E2	cg04944393	rs13025211	G	A	-0.177	0.024	0.373	2.56E-13	-0.008	0.003	0.004	0.014	53.488	TRUE	3.42E-12
PEF	ATP6V1E2	cg15759873	rs880671	A	G	0.147	0.024	0.370	1.08E-09	-0.007	0.003	0.005	0.010	37.151	TRUE	8.47E-09
PEF	ATP6V1E2	cg26688816	rs11125081	C	T	-0.614	0.076	0.022	5.84E-16	0.016	0.009	0.065	0.017	65.453	TRUE	4.73E-15
PEF	ATP6V1E2	cg26688816	rs11884098	T	C	0.340	0.036	0.121	3.00E-21	0.004	0.004	0.361	0.024	89.494	TRUE	1.72E-20
PEF	ATP6V1E2	cg26688816	rs11890291	C	T	0.547	0.032	0.151	3.61E-64	0.007	0.003	0.054	0.072	285.893	TRUE	1.70E-60
PEF	ATP6V1E2	cg26688816	rs143098296	A	G	-0.641	0.072	0.024	4.11E-19	-0.026	0.007	4.47E-04	0.021	79.771	TRUE	2.08E-17
PEF	ATP6V1E2	cg26688816	rs180698060	G	C	0.311	0.057	0.049	4.01E-08	0.004	0.006	0.580	0.008	30.128	TRUE	6.87E-08
PEF	ATP6V1E2	cg26688816	rs35706639	G	A	0.218	0.040	0.185	3.48E-08	0.006	0.003	0.077	0.008	30.401	TRUE	1.18E-07
PEF	ATP6V1E2	cg26688816	rs41281473	T	C	0.679	0.124	0.022	4.41E-08	0.013	0.009	0.153	0.008	29.946	TRUE	1.23E-07
PEF	ATP6V1E2	cg26688816	rs4953396	A	C	-0.894	0.021	0.341	<1E-200	-0.009	0.003	8.52E-04	0.332	1840.220	TRUE	<1E-200
PEF	ATP6V1E2	cg26688816	rs4953402	G	C	0.239	0.031	0.183	1.57E-14	0.000	0.003	0.976	0.016	58.981	TRUE	2.64E-14
PEF	ATP6V1E2	cg26688816	rs55736130	A	G	-0.194	0.024	0.485	2.07E-16	-0.002	0.003	0.385	0.018	67.503	TRUE	7.88E-16
PEF	ATP6V1E2	cg26688816	rs56288593	A	G	-0.160	0.024	0.348	5.16E-11	0.005	0.003	0.062	0.012	43.093	TRUE	2.58E-10
PEF	ATP6V1E2	cg26688816	rs60470928	G	A	-0.532	0.068	0.057	4.94E-15	0.006	0.005	0.278	0.016	61.250	TRUE	2.02E-14
PEF	ATP6V1E2	cg26688816	rs60999035	A	G	0.361	0.036	0.121	1.56E-23	-0.002	0.004	0.619	0.026	99.906	TRUE	7.19E-23
PEF	ATP6V1E2	cg26688816	rs62134690	T	G	0.323	0.050	0.058	1.51E-10	-0.002	0.005	0.681	0.011	40.991	TRUE	2.73E-10
PEF	ATP6V1E2	cg26688816	rs62136870	G	A	-0.648	0.115	0.027	1.71E-08	-0.002	0.008	0.760	0.009	31.778	TRUE	2.59E-08
PEF	ATP6V1E2	cg26688816	rs62136898	A	T	-0.268	0.028	0.233	6.13E-22	-0.005	0.003	0.070	0.024	92.634	TRUE	8.98E-21
PEF	ATP6V1E2	cg26688816	rs6741114	G	T	0.254	0.024	0.381	9.43E-27	0.004	0.003	0.096	0.030	114.579	TRUE	2.06E-25
PEF	ATP6V1E2	cg26688816	rs75012349	C	T	-0.650	0.085	0.017	1.58E-14	0.004	0.008	0.620	0.016	58.967	TRUE	3.84E-14
PEF	AVP	cg02187522	rs1034063	A	G	0.137	0.023	0.465	5.99E-09	-0.007	0.003	0.008	0.009	33.821	TRUE	3.81E-08
PEF	AVP	cg02187522	rs2740208	A	C	0.397	0.043	0.155	1.45E-20	-0.002	0.004	0.498	0.023	86.378	TRUE	6.41E-20
PEF	AVP	cg02187522	rs6084264	T	C	0.473	0.036	0.335	2.45E-39	-0.006	0.003	0.027	0.044	172.105	TRUE	4.61E-37
PEF	AVP	cg02187522	rs61294592	T	C	-0.200	0.034	0.133	3.46E-09	0.000	0.004	0.948	0.009	34.885	TRUE	4.65E-09
PEF	AVP	cg04632887	rs2740185	A	G	0.447	0.042	0.169	5.77E-27	-0.001	0.003	0.692	0.030	115.552	TRUE	3.17E-26
PEF	AVP	cg04632887	rs2770378	A	G	-0.220	0.037	0.396	3.03E-09	0.005	0.003	0.043	0.009	35.146	TRUE	1.37E-08

PEF	AVP	cg04632887	rs9798512	A	G	-0.274	0.041	0.198	2.31E-11	-0.001	0.004	0.710	0.012	44.661	TRUE	4.25E-11
PEF	AVP	cg05136169	rs2740208	A	C	0.339	0.043	0.155	2.67E-15	-0.002	0.004	0.498	0.017	62.460	TRUE	8.00E-15
PEF	AVP	cg05136169	rs6084264	T	C	0.432	0.036	0.335	8.63E-33	-0.006	0.003	0.027	0.037	142.161	TRUE	6.99E-31
PEF	AVP	cg16536918	rs1887854	T	C	0.288	0.046	0.137	4.57E-10	-0.003	0.004	0.332	0.010	38.833	TRUE	1.15E-09
PEF	AVP	cg23035419	rs2282018	C	T	-0.221	0.037	0.339	1.80E-09	-0.005	0.003	0.048	0.010	36.164	TRUE	7.97E-09
PEF	AVP	cg23035419	rs3761246	A	C	-0.259	0.042	0.182	8.81E-10	-0.002	0.004	0.517	0.010	37.552	TRUE	1.79E-09
PEF	AVP	cg23169111	rs9798512	A	G	-0.274	0.041	0.198	2.41E-11	-0.001	0.004	0.710	0.012	44.579	TRUE	4.43E-11
PEF	AVP	cg24257309	rs2740185	A	G	0.257	0.042	0.169	8.54E-10	-0.001	0.003	0.692	0.010	37.612	TRUE	1.47E-09
PEF	AVP	cg25673357	rs2740208	A	C	-0.298	0.043	0.155	3.41E-12	-0.002	0.004	0.498	0.013	48.413	TRUE	8.23E-12
PEF	AVP	cg25673357	rs3761246	A	C	-0.363	0.043	0.182	1.52E-17	-0.002	0.004	0.517	0.019	72.649	TRUE	5.25E-17
PEF	AVP	cg25673357	rs6084264	T	C	-0.740	0.035	0.335	1.74E-101	-0.006	0.003	0.027	0.110	457.185	TRUE	1.77E-94
PEF	AVP	cg25673357	rs6115772	A	C	-0.217	0.032	0.459	1.08E-11	0.001	0.003	0.819	0.012	46.155	TRUE	1.82E-11
PEF	BCL2	cg08223235	rs3810027	G	C	-0.404	0.024	0.347	1.60E-63	-0.005	0.003	0.063	0.071	282.926	TRUE	5.85E-60
PEF	BCL2	cg08223235	rs9320014	C	T	0.269	0.044	0.079	7.79E-10	-0.002	0.005	0.676	0.010	37.790	TRUE	1.35E-09
PEF	BCL2	cg12090740	rs2551399	C	T	0.327	0.037	0.105	1.19E-18	0.005	0.004	0.235	0.021	77.679	TRUE	7.07E-18
PEF	BCL2	cg12090740	rs62098661	A	G	-0.275	0.024	0.416	3.16E-31	-0.002	0.003	0.491	0.035	135.011	TRUE	3.61E-30
PEF	BCL2	cg12459502	rs6567331	G	A	0.174	0.026	0.275	2.40E-11	-0.009	0.003	0.002	0.012	44.590	TRUE	2.76E-10
PEF	BCL2	cg16445842	rs2279115	G	T	-0.161	0.023	0.480	3.23E-12	0.001	0.003	0.715	0.013	48.516	TRUE	6.19E-12
PEF	BCL2	cg21793948	rs2551402	A	C	0.169	0.023	0.482	3.49E-13	0.002	0.003	0.459	0.014	52.884	TRUE	9.53E-13
PEF	BCL2	cg23707289	rs1801018	C	T	-0.400	0.023	0.423	7.53E-66	-0.002	0.003	0.418	0.074	293.604	TRUE	7.01E-63
PEF	BCL2	cg23707289	rs746987	G	A	0.205	0.032	0.158	1.64E-10	0.002	0.003	0.499	0.011	40.836	TRUE	3.51E-10
PEF	BCL2	cg23756272	rs3810027	G	C	0.193	0.024	0.347	2.01E-15	-0.005	0.003	0.063	0.017	63.021	TRUE	1.56E-14
PEF	BCL2	cg25059899	rs9967405	G	A	0.962	0.043	0.092	4.88E-109	0.006	0.005	0.252	0.117	491.871	TRUE	2.50E-102
PEF	BCL2	cg26277730	rs698708	C	G	0.174	0.027	0.248	8.03E-11	0.001	0.003	0.655	0.011	42.228	TRUE	1.51E-10
PEF	BCL2L1	cg00300298	rs17093657	A	G	0.177	0.029	0.206	1.01E-09	-0.010	0.003	0.001	0.010	37.284	TRUE	9.81E-09
PEF	BCL2L1	cg00300298	rs4911300	A	G	-0.157	0.027	0.261	3.95E-09	0.003	0.003	0.388	0.009	34.631	TRUE	8.83E-09
PEF	BCL2L1	cg00300298	rs74384244	A	G	-0.523	0.043	0.084	1.43E-34	-0.007	0.005	0.150	0.039	150.303	TRUE	5.43E-33
PEF	BCL2L1	cg08257293	rs118183288	A	G	0.474	0.068	0.030	3.77E-12	-0.021	0.007	0.003	0.013	48.217	TRUE	4.46E-11
PEF	BCL2L1	cg08257293	rs138363779	T	C	0.459	0.070	0.031	4.46E-11	-0.018	0.008	0.019	0.012	43.377	TRUE	3.07E-10
PEF	BCL2L1	cg08257293	rs141235157	G	A	0.374	0.064	0.034	5.63E-09	0.002	0.008	0.836	0.009	33.941	TRUE	8.23E-09
PEF	BCL2L1	cg08257293	rs6058473	A	G	-0.265	0.044	0.079	1.91E-09	-0.009	0.005	0.070	0.010	36.039	TRUE	7.76E-09
PEF	BCL2L1	cg08257293	rs6059740	A	G	-0.150	0.023	0.486	1.64E-10	0.007	0.003	0.007	0.011	40.830	TRUE	1.33E-09
PEF	BCL2L1	cg08257293	rs7266926	C	A	0.203	0.025	0.306	6.04E-16	-0.010	0.003	1.89E-04	0.017	65.387	TRUE	2.28E-14
PEF	BCL2L1	cg08257293	rs77130187	A	G	0.512	0.029	0.196	2.06E-69	-0.011	0.003	5.49E-04	0.077	309.948	TRUE	3.29E-64
PEF	BCL2L1	cg12873919	rs117973647	T	C	0.423	0.070	0.027	1.47E-09	-0.010	0.008	0.188	0.010	36.561	TRUE	4.40E-09
PEF	BCL2L1	cg12873919	rs118183288	A	G	0.428	0.068	0.030	3.18E-10	-0.021	0.007	0.003	0.011	39.538	TRUE	2.86E-09
PEF	BCL2L1	cg12873919	rs534887597	C	T	0.546	0.094	0.018	7.07E-09	-0.018	0.008	0.019	0.009	33.496	TRUE	3.69E-08
PEF	BCL2L1	cg12873919	rs6058963	A	G	0.191	0.026	0.284	1.34E-13	-0.012	0.003	1.54E-05	0.015	54.761	TRUE	5.05E-12
PEF	BCL2L1	cg12873919	rs6060989	T	C	0.464	0.029	0.206	2.30E-59	-0.010	0.003	0.001	0.067	263.862	TRUE	4.07E-55
PEF	BCL2L1	cg12873919	rs6060990	G	C	-0.238	0.043	0.084	2.87E-08	-0.007	0.005	0.149	0.008	30.775	TRUE	8.20E-08
PEF	BCL2L1	cg13852791	rs112702898	C	T	0.683	0.057	0.042	1.41E-33	0.001	0.006	0.888	0.038	145.763	TRUE	9.77E-33
PEF	BCL2L1	cg13852791	rs117532975	C	T	0.690	0.067	0.030	1.60E-24	-0.021	0.007	0.003	0.027	104.410	TRUE	1.03E-22

PEF	BCL2L1	cg13852791	rs12625006	G	A	-0.342	0.036	0.130	7.68E-22	0.007	0.004	0.075	0.024	92.190	TRUE	1.07E-20
PEF	BCL2L1	cg13852791	rs143955308	T	C	0.813	0.090	0.019	1.69E-19	-0.005	0.008	0.521	0.022	81.531	TRUE	6.57E-19
PEF	BCL2L1	cg13852791	rs150780693	A	G	0.721	0.072	0.024	9.24E-24	-0.010	0.008	0.202	0.027	100.936	TRUE	9.60E-23
PEF	BCL2L1	cg13852791	rs1883508	T	C	0.172	0.024	0.417	6.20E-13	-0.007	0.003	0.009	0.014	51.755	TRUE	6.29E-12
PEF	BCL2L1	cg13852791	rs215912	C	T	0.346	0.023	0.463	1.21E-49	-0.007	0.003	0.010	0.056	219.296	TRUE	1.68E-46
PEF	BCL2L1	cg13852791	rs34355888	T	C	0.238	0.023	0.494	2.64E-24	-0.001	0.003	0.715	0.027	103.416	TRUE	1.10E-23
PEF	BCL2L1	cg13852791	rs532287910	T	G	-0.296	0.044	0.075	1.67E-11	-0.006	0.004	0.159	0.012	45.302	TRUE	6.35E-11
PEF	BCL2L1	cg13852791	rs56073203	T	C	-0.341	0.055	0.107	4.95E-10	0.015	0.005	0.002	0.010	38.678	TRUE	4.97E-09
PEF	BCL2L1	cg13852791	rs564151217	A	C	-0.237	0.036	0.115	3.35E-11	0.001	0.004	0.887	0.012	43.939	TRUE	5.17E-11
PEF	BCL2L1	cg13852791	rs6058012	A	G	-0.307	0.023	0.486	1.08E-39	0.007	0.003	0.007	0.045	173.733	TRUE	4.11E-37
PEF	BCL2L1	cg13852791	rs6058259	G	A	0.931	0.023	0.271	<1E-200	-0.013	0.003	9.15E-06	0.314	1693.159	TRUE	<1E-200
PEF	BCL2L1	cg13852791	rs6058513	C	G	0.239	0.026	0.264	1.04E-19	-0.005	0.003	0.058	0.022	82.494	TRUE	1.31E-18
PEF	BCL2L1	cg13852791	rs6087803	C	T	-0.318	0.055	0.046	7.63E-09	-0.003	0.006	0.563	0.009	33.350	TRUE	1.39E-08
PEF	BCL2L1	cg13852791	rs6089101	A	G	-0.226	0.024	0.353	1.97E-20	0.000	0.003	0.899	0.023	85.777	TRUE	4.98E-20
PEF	BCL2L1	cg13852791	rs7270565	T	C	0.639	0.056	0.043	3.05E-30	-0.014	0.006	0.021	0.034	130.518	TRUE	2.01E-28
PEF	BCL2L1	cg13852791	rs73612002	A	G	0.627	0.042	0.085	1.29E-50	0.001	0.005	0.868	0.057	223.749	TRUE	5.28E-49
PEF	BCL2L1	cg13852791	rs76386673	A	T	-0.192	0.034	0.142	1.95E-08	0.009	0.004	0.012	0.008	31.528	TRUE	1.05E-07
PEF	BCL2L1	cg13989999	rs141235157	G	A	0.383	0.064	0.034	2.33E-09	0.002	0.008	0.836	0.010	35.655	TRUE	3.47E-09
PEF	BCL2L1	cg13989999	rs6059440	A	G	0.152	0.025	0.310	1.06E-09	-0.009	0.003	0.001	0.010	37.194	TRUE	1.07E-08
PEF	BCL2L1	cg13989999	rs7266148	T	G	0.395	0.029	0.201	3.35E-42	-0.010	0.003	0.001	0.048	185.215	TRUE	3.47E-39
PEF	BCL2L10	cg00413066	rs2414132	C	T	0.193	0.031	0.181	2.54E-10	0.004	0.003	0.204	0.011	39.978	TRUE	7.94E-10
PEF	BCL2L10	cg03151554	rs17705817	G	A	-0.176	0.032	0.160	3.22E-08	0.003	0.004	0.335	0.008	30.551	TRUE	6.94E-08
PEF	BCL2L10	cg03151554	rs35223886	A	G	-0.486	0.067	0.031	3.96E-13	0.020	0.007	0.006	0.014	52.636	TRUE	4.64E-12
PEF	BCL2L10	cg03151554	rs4638520	T	C	-0.275	0.032	0.156	1.18E-17	0.003	0.004	0.328	0.019	73.144	TRUE	5.38E-17
PEF	BCL2L10	cg03151554	rs79704026	T	C	-0.445	0.050	0.058	7.59E-19	0.014	0.005	0.008	0.021	78.563	TRUE	1.70E-17
PEF	BCL2L10	cg03929531	rs2440320	A	G	-0.589	0.106	0.031	2.55E-08	-0.002	0.007	0.776	0.008	31.005	TRUE	3.78E-08
PEF	BCL2L10	cg03929531	rs72729248	A	G	-0.501	0.067	0.030	5.38E-14	0.020	0.007	0.007	0.015	56.557	TRUE	6.78E-13
PEF	BCL2L10	cg03929531	rs79704026	T	C	-0.407	0.050	0.058	4.94E-16	0.014	0.005	0.008	0.017	65.785	TRUE	7.79E-15
PEF	BCL2L10	cg04519487	rs2231289	C	T	0.423	0.067	0.036	2.29E-10	-0.003	0.007	0.650	0.011	40.180	TRUE	4.21E-10
PEF	BCL2L10	cg04519487	rs2231290	A	G	-0.251	0.026	0.289	1.19E-21	0.000	0.003	0.995	0.024	91.322	TRUE	2.92E-21
PEF	BCL2L10	cg04519487	rs72729275	A	G	-0.340	0.055	0.047	5.29E-10	0.011	0.006	0.059	0.010	38.547	TRUE	2.35E-09
PEF	BCL2L10	cg04519487	rs8025701	A	G	-0.318	0.050	0.060	1.72E-10	0.014	0.005	0.006	0.011	40.744	TRUE	1.43E-09
PEF	BCL2L10	cg12067522	rs2227308	A	G	0.348	0.031	0.162	1.71E-28	0.000	0.003	0.916	0.032	122.528	TRUE	7.67E-28
PEF	BCL2L10	cg12067522	rs28691169	C	G	-0.217	0.039	0.105	1.93E-08	-0.004	0.004	0.343	0.008	31.550	TRUE	4.24E-08
PEF	BCL2L10	cg14431573	rs2231290	A	G	-0.206	0.026	0.289	5.09E-15	0.000	0.003	0.995	0.016	61.192	TRUE	8.58E-15
PEF	BCL2L10	cg14431573	rs74820417	A	G	0.348	0.064	0.038	4.56E-08	-0.005	0.007	0.488	0.008	29.879	TRUE	8.45E-08
PEF	BCL2L10	cg14540387	rs11632093	C	T	-0.175	0.025	0.341	3.67E-12	0.001	0.003	0.775	0.013	48.270	TRUE	6.68E-12
PEF	BCL2L10	cg15190747	rs12899030	G	C	-0.252	0.033	0.155	1.03E-14	0.005	0.004	0.209	0.016	59.805	TRUE	4.76E-14
PEF	BCL2L10	cg15190747	rs72729299	G	A	-0.424	0.066	0.030	1.55E-10	0.018	0.008	0.020	0.011	40.947	TRUE	9.72E-10
PEF	BCL2L10	cg15190747	rs79704026	T	C	-0.434	0.051	0.058	8.28E-18	0.014	0.005	0.008	0.020	73.845	TRUE	1.63E-16
PEF	BCL2L10	cg19114050	rs140494872	G	A	0.514	0.091	0.016	1.60E-08	0.003	0.009	0.731	0.009	31.910	TRUE	2.49E-08
PEF	BCL2L10	cg19114050	rs149290740	T	C	0.554	0.089	0.021	5.21E-10	0.004	0.009	0.645	0.010	38.576	TRUE	9.41E-10

PEF	BCL2L10	cg19114050	rs2231289	C	T	0.751	0.066	0.036	1.31E-29	-0.003	0.007	0.650	0.033	127.621	TRUE	9.48E-29
PEF	BCL2L10	cg19114050	rs2231297	G	A	0.243	0.032	0.162	3.85E-14	0.000	0.003	0.975	0.015	57.214	TRUE	6.36E-14
PEF	BCL2L10	cg19114050	rs79883421	A	G	0.211	0.036	0.132	2.83E-09	-0.002	0.004	0.617	0.009	35.277	TRUE	5.03E-09
PEF	BCL2L10	cg27563121	rs112393809	T	A	-0.650	0.103	0.017	3.05E-10	-0.008	0.011	0.477	0.011	39.621	TRUE	6.61E-10
PEF	BCL2L10	cg27563121	rs56049741	C	A	0.166	0.023	0.475	1.02E-12	0.001	0.003	0.732	0.014	50.785	TRUE	2.00E-12
PEF	BCL2L10	cg27563121	rs56359304	T	C	-0.280	0.049	0.062	9.93E-09	0.008	0.005	0.131	0.009	32.838	TRUE	3.11E-08
PEF	BCL2L10	cg27563121	rs59851373	A	T	-0.592	0.038	0.112	4.95E-56	-0.003	0.004	0.385	0.063	248.582	TRUE	1.20E-53
PEF	BCL2L10	cg27563121	rs6493546	C	T	-0.184	0.025	0.349	1.20E-13	0.002	0.003	0.533	0.015	54.984	TRUE	3.06E-13
PEF	BCL2L12	cg16618260	rs10411771	G	A	0.154	0.026	0.255	5.55E-09	0.007	0.003	0.022	0.009	33.968	TRUE	2.79E-08
PEF	BEST1	cg22892043	rs12225574	G	A	0.244	0.042	0.082	8.44E-09	-0.008	0.005	0.078	0.009	33.153	TRUE	3.08E-08
PEF	BIK	cg01341487	rs2076161	C	G	0.269	0.032	0.156	9.46E-17	0.003	0.004	0.432	0.018	69.042	TRUE	3.38E-16
PEF	BIK	cg01341487	rs3819674	G	A	0.292	0.044	0.073	4.72E-11	-0.002	0.005	0.716	0.012	43.268	TRUE	8.54E-11
PEF	BIK	cg01341487	rs5751435	T	C	-0.725	0.034	0.133	3.81E-100	0.010	0.004	0.010	0.109	451.027	TRUE	6.86E-93
PEF	BIK	cg01341487	rs5751444	A	G	-0.261	0.027	0.249	1.07E-21	0.005	0.003	0.084	0.024	91.539	TRUE	1.42E-20
PEF	BIK	cg01341487	rs5759167	G	T	0.290	0.023	0.490	4.74E-35	0.000	0.003	0.996	0.040	152.495	TRUE	3.16E-34
PEF	BIK	cg01341487	rs62231650	T	C	-0.657	0.116	0.026	1.62E-08	-0.004	0.010	0.672	0.009	31.882	TRUE	2.64E-08
PEF	BIK	cg01341487	rs9620115	G	A	0.293	0.033	0.153	5.07E-19	-0.002	0.003	0.669	0.021	79.357	TRUE	1.59E-18
PEF	BIK	cg02601893	rs2076079	A	G	-0.201	0.025	0.327	9.71E-16	0.003	0.003	0.268	0.017	64.455	TRUE	4.25E-15
PEF	BIK	cg04042468	rs12168319	T	C	-0.580	0.034	0.136	1.44E-64	0.010	0.004	0.012	0.072	287.724	TRUE	1.96E-60
PEF	BIK	cg04042468	rs3819674	G	A	0.306	0.044	0.073	5.02E-12	-0.002	0.005	0.716	0.013	47.654	TRUE	9.60E-12
PEF	BIK	cg04042468	rs5759167	G	T	0.306	0.023	0.490	6.16E-39	0.000	0.003	0.996	0.044	170.272	TRUE	5.82E-38
PEF	BIK	cg04042468	rs5996265	A	G	0.416	0.049	0.055	1.84E-17	0.006	0.006	0.279	0.019	72.265	TRUE	9.01E-17
PEF	BIK	cg04042468	rs62232063	C	T	0.199	0.024	0.412	5.33E-17	0.003	0.003	0.313	0.019	70.173	TRUE	2.36E-16
PEF	BIK	cg04042468	rs62232065	A	C	-0.171	0.029	0.222	2.40E-09	0.004	0.003	0.255	0.010	35.596	TRUE	6.47E-09
PEF	BIK	cg04042468	rs9620115	G	A	0.247	0.033	0.153	6.50E-14	-0.002	0.003	0.669	0.015	56.184	TRUE	1.46E-13
PEF	BIK	cg04304450	rs2245947	G	T	0.149	0.025	0.330	3.21E-09	0.003	0.003	0.214	0.009	35.031	TRUE	9.05E-09
PEF	BIK	cg05251389	rs11705016	A	G	0.194	0.031	0.178	5.74E-10	-0.003	0.003	0.325	0.010	38.386	TRUE	1.44E-09
PEF	BIK	cg07972488	rs4988364	A	C	-0.197	0.035	0.135	1.55E-08	0.010	0.004	0.014	0.009	31.971	TRUE	8.41E-08
PEF	BIK	cg07972488	rs5759168	G	A	0.247	0.033	0.160	4.17E-14	0.001	0.004	0.843	0.015	57.057	TRUE	7.86E-14
PEF	BIK	cg08954856	rs12168319	T	C	-0.264	0.035	0.136	3.18E-14	0.010	0.004	0.012	0.015	57.591	TRUE	3.65E-13
PEF	BIK	cg08954856	rs5759167	G	T	0.161	0.024	0.490	9.54E-12	0.000	0.003	0.996	0.012	46.395	TRUE	1.38E-11
PEF	BIK	cg09263116	rs135016	C	T	0.315	0.052	0.054	1.78E-09	-0.005	0.006	0.365	0.010	36.179	TRUE	4.14E-09
PEF	BIK	cg09263116	rs2076161	C	G	0.294	0.032	0.156	1.10E-19	0.003	0.004	0.432	0.022	82.372	TRUE	4.93E-19
PEF	BIK	cg09263116	rs3819674	G	A	0.243	0.044	0.073	4.46E-08	-0.002	0.005	0.716	0.008	29.921	TRUE	6.88E-08
PEF	BIK	cg09263116	rs5751435	T	C	-0.612	0.034	0.133	1.70E-70	0.010	0.004	0.010	0.078	314.918	TRUE	7.85E-66
PEF	BIK	cg09263116	rs5751444	A	G	-0.242	0.027	0.249	8.30E-19	0.005	0.003	0.084	0.021	78.384	TRUE	8.18E-18
PEF	BIK	cg09263116	rs5759167	G	T	0.294	0.023	0.490	5.92E-36	0.000	0.003	0.996	0.041	156.626	TRUE	4.27E-35
PEF	BIK	cg09263116	rs9620115	G	A	0.246	0.033	0.153	8.32E-14	-0.002	0.003	0.669	0.015	55.698	TRUE	1.86E-13
PEF	BIK	cg10513709	rs12168319	T	C	-0.354	0.034	0.136	1.06E-24	0.010	0.004	0.012	0.028	105.230	TRUE	4.40E-23
PEF	BIK	cg10513709	rs2413742	A	G	0.181	0.031	0.172	5.14E-09	0.000	0.003	0.972	0.009	34.119	TRUE	6.74E-09
PEF	BIK	cg10513709	rs5759167	G	T	0.179	0.024	0.490	3.08E-14	0.000	0.003	0.996	0.015	57.649	TRUE	5.00E-14
PEF	BIK	cg13698860	rs2066910	C	T	-0.253	0.025	0.330	6.86E-24	0.003	0.003	0.230	0.027	101.527	TRUE	6.59E-23

PEF	BIK	cg13698860	rs9333351	C	A	-0.382	0.069	0.031	3.68E-08	0.004	0.008	0.610	0.008	30.296	TRUE	6.17E-08
PEF	BIK	cg13934236	rs872841	C	G	0.149	0.025	0.317	4.60E-09	-0.002	0.003	0.464	0.009	34.335	TRUE	9.33E-09
PEF	BIK	cg13934236	rs909666	C	T	-0.270	0.033	0.151	2.10E-16	0.008	0.004	0.023	0.018	67.467	TRUE	2.57E-15
PEF	BIK	cg14971586	rs13055357	C	A	-0.219	0.026	0.281	6.30E-17	0.003	0.003	0.367	0.019	69.844	TRUE	2.53E-16
PEF	BIK	cg14971586	rs138910	T	C	0.279	0.026	0.278	2.54E-26	-0.003	0.003	0.354	0.030	112.619	TRUE	2.33E-25
PEF	BIK	cg14971586	rs139143960	C	T	0.364	0.054	0.050	2.20E-11	-0.005	0.006	0.365	0.012	44.757	TRUE	5.89E-11
PEF	BIK	cg14971586	rs2076161	C	G	0.295	0.032	0.156	8.53E-20	0.003	0.004	0.432	0.022	82.879	TRUE	3.84E-19
PEF	BIK	cg14971586	rs5759173	T	C	0.648	0.025	0.270	2.90E-147	-0.001	0.003	0.826	0.153	667.509	TRUE	1.78E-137
PEF	BIK	cg14971586	rs5759198	A	G	-0.187	0.033	0.149	1.10E-08	0.002	0.004	0.560	0.009	32.639	TRUE	1.97E-08
PEF	BIK	cg14971586	rs7291800	C	A	0.263	0.047	0.063	2.50E-08	0.005	0.005	0.382	0.008	31.045	TRUE	5.24E-08
PEF	BIK	cg14971586	rs760771	G	T	0.333	0.033	0.143	1.37E-24	0.000	0.004	0.953	0.028	104.719	TRUE	4.32E-24
PEF	BIK	cg14971586	rs872842	T	A	-0.406	0.034	0.135	2.64E-32	0.008	0.004	0.032	0.036	139.937	TRUE	1.81E-30
PEF	BIK	cg14971586	rs9608010	A	G	0.140	0.024	0.377	5.34E-09	0.003	0.003	0.212	0.009	34.045	TRUE	1.48E-08
PEF	BIK	cg17179881	rs1883264	C	G	-0.184	0.033	0.153	2.40E-08	-0.001	0.003	0.719	0.008	31.126	TRUE	3.70E-08
PEF	BIK	cg17967224	rs4988372	T	C	-0.210	0.035	0.132	2.36E-09	0.010	0.004	0.012	0.010	35.634	TRUE	1.47E-08
PEF	BIK	cg17967224	rs5759168	G	A	0.291	0.033	0.160	6.52E-19	0.001	0.004	0.843	0.021	78.863	TRUE	1.63E-18
PEF	BIK	cg20550677	rs4988364	A	C	-0.256	0.035	0.135	1.94E-13	0.010	0.004	0.014	0.014	54.039	TRUE	1.98E-12
PEF	BIK	cg20550677	rs5759168	G	A	0.220	0.033	0.160	2.02E-11	0.001	0.004	0.843	0.012	44.931	TRUE	3.30E-11
PEF	BIK	cg26453588	rs12168319	T	C	-0.694	0.034	0.136	2.95E-93	0.010	0.004	0.012	0.102	419.395	TRUE	9.58E-87
PEF	BIK	cg26453588	rs3819674	G	A	0.263	0.044	0.073	3.06E-09	-0.002	0.005	0.716	0.009	35.124	TRUE	5.02E-09
PEF	BIK	cg26453588	rs5751444	A	G	-0.239	0.027	0.249	2.50E-18	0.005	0.003	0.084	0.020	76.205	TRUE	2.35E-17
PEF	BIK	cg26453588	rs5759167	G	T	0.320	0.023	0.490	2.71E-42	0.000	0.003	0.996	0.048	185.638	TRUE	3.53E-41
PEF	BIK	cg26453588	rs5996265	A	G	0.461	0.049	0.055	3.95E-21	0.006	0.006	0.279	0.023	88.952	TRUE	2.64E-20
PEF	BIK	cg26453588	rs9620115	G	A	0.255	0.033	0.153	1.03E-14	-0.002	0.003	0.669	0.016	59.804	TRUE	2.44E-14
PEF	BIRC2	cg06323957	rs11225312	A	G	0.314	0.034	0.131	4.35E-20	0.001	0.004	0.815	0.022	84.210	TRUE	1.21E-19
PEF	BIRC2	cg06323957	rs11605573	T	G	0.958	0.044	0.074	6.52E-107	0.013	0.005	0.008	0.115	482.108	TRUE	5.54E-99
PEF	BIRC2	cg06323957	rs117994429	G	A	0.638	0.079	0.021	8.50E-16	0.023	0.008	0.005	0.017	64.716	TRUE	1.45E-14
PEF	BIRC2	cg06323957	rs12576911	G	A	0.203	0.025	0.300	1.74E-15	-0.005	0.003	0.096	0.017	63.306	TRUE	1.17E-14
PEF	BIRC2	cg06323957	rs1893729	G	A	0.219	0.035	0.128	4.23E-10	0.002	0.004	0.601	0.010	38.982	TRUE	7.95E-10
PEF	BIRC2	cg06323957	rs35273026	T	C	0.530	0.074	0.024	7.12E-13	0.003	0.008	0.747	0.014	51.482	TRUE	1.37E-12
PEF	BIRC2	cg06323957	rs548336	A	G	0.133	0.023	0.496	1.30E-08	0.000	0.003	0.957	0.009	32.311	TRUE	1.69E-08
PEF	BIRC2	cg06323957	rs74473729	G	A	0.697	0.086	0.017	6.15E-16	-0.009	0.009	0.355	0.017	65.353	TRUE	2.35E-15
PEF	BIRC2	cg11114757	rs11225316	T	G	-0.200	0.035	0.129	9.30E-09	0.002	0.004	0.521	0.009	32.965	TRUE	1.75E-08
PEF	BIRC2	cg11114757	rs117994429	G	A	-0.450	0.080	0.021	1.79E-08	0.023	0.008	0.005	0.008	31.694	TRUE	1.13E-07
PEF	BIRC2	cg11114757	rs1318199	C	G	-0.812	0.045	0.071	2.64E-74	0.012	0.005	0.017	0.082	332.394	TRUE	1.49E-69
PEF	BIRC2	cg11114757	rs35273026	T	C	-0.604	0.075	0.024	5.39E-16	0.003	0.008	0.747	0.017	65.614	TRUE	1.25E-15
PEF	BIRC2	cg11114757	rs74473729	G	A	-0.544	0.087	0.017	3.79E-10	-0.009	0.009	0.355	0.010	39.195	TRUE	9.34E-10
PEF	BIRC2	cg11114757	rs7938790	G	A	-0.202	0.026	0.301	2.73E-15	-0.004	0.003	0.106	0.017	62.416	TRUE	1.75E-14
PEF	BIRC2	cg11690896	rs11225312	A	G	0.204	0.034	0.131	2.24E-09	0.001	0.004	0.815	0.010	35.731	TRUE	3.40E-09
PEF	BIRC2	cg11690896	rs117994429	G	A	0.498	0.079	0.021	2.67E-10	0.023	0.008	0.005	0.011	39.882	TRUE	2.19E-09
PEF	BIRC2	cg11690896	rs1894115	C	A	0.145	0.025	0.292	1.19E-08	-0.004	0.003	0.116	0.009	32.486	TRUE	3.75E-08
PEF	BIRC2	cg11690896	rs2219168	G	C	0.139	0.025	0.316	2.85E-08	0.001	0.003	0.829	0.008	30.793	TRUE	4.06E-08

PEF	BIRC2	cg11690896	rs79028911	C	T	0.651	0.044	0.075	3.23E-50	0.013	0.005	0.008	0.057	221.930	TRUE	5.02E-47
PEF	BLK	cg04335815	rs2409797	T	C	-0.251	0.025	0.487	5.58E-24	-0.007	0.003	0.004	0.027	101.937	TRUE	3.16E-22
PEF	BLK	cg04335815	rs35315747	A	C	-0.212	0.039	0.336	4.58E-08	0.000	0.003	0.983	0.008	29.870	TRUE	5.81E-08
PEF	BLK	cg04335815	rs78389655	T	G	0.237	0.041	0.093	5.68E-09	0.002	0.004	0.684	0.009	33.922	TRUE	9.38E-09
PEF	BLK	cg13440894	rs1478901	C	G	-0.182	0.029	0.268	4.11E-10	-0.005	0.003	0.060	0.010	39.039	TRUE	1.84E-09
PEF	BLK	cg14702231	rs4841557	A	G	0.442	0.025	0.401	1.33E-68	-0.013	0.003	5.19E-07	0.076	306.232	TRUE	2.84E-62
PEF	BLK	cg14702231	rs62490881	A	G	-0.533	0.039	0.124	3.95E-42	0.011	0.004	0.003	0.048	184.887	TRUE	3.11E-39
PEF	BLK	cg15742700	rs2244234	T	G	-0.212	0.035	0.165	1.28E-09	-0.001	0.004	0.784	0.010	36.822	TRUE	2.03E-09
PEF	BLK	cg16861076	rs35370321	G	T	0.144	0.026	0.371	2.67E-08	-0.012	0.003	1.28E-05	0.008	30.918	TRUE	4.04E-07
PEF	BLK	cg19882315	rs62489069	G	A	0.188	0.028	0.294	3.46E-11	-0.004	0.003	0.217	0.012	43.872	TRUE	1.15E-10
PEF	BLK	cg21175976	rs10090879	T	G	-0.176	0.025	0.450	4.06E-12	-0.003	0.003	0.205	0.013	48.071	TRUE	1.49E-11
PEF	BLK	cg21175976	rs10095927	T	G	-0.199	0.025	0.466	3.07E-15	0.001	0.003	0.602	0.017	62.186	TRUE	8.00E-15
PEF	BLK	cg21175976	rs111589866	C	T	-0.354	0.058	0.048	8.84E-10	0.002	0.006	0.678	0.010	37.546	TRUE	1.53E-09
PEF	BLK	cg21175976	rs11250085	G	T	-0.233	0.034	0.170	4.48E-12	0.009	0.003	0.011	0.013	47.879	TRUE	4.06E-11
PEF	BLK	cg21175976	rs11250153	C	G	0.285	0.026	0.376	8.85E-28	-0.006	0.003	0.018	0.031	119.269	TRUE	4.64E-26
PEF	BLK	cg21175976	rs11250166	A	G	0.219	0.032	0.206	6.92E-12	-0.002	0.003	0.454	0.013	47.025	TRUE	1.71E-11
PEF	BLK	cg21175976	rs11775769	T	C	0.228	0.029	0.257	2.13E-15	-0.004	0.003	0.136	0.017	62.911	TRUE	1.26E-14
PEF	BLK	cg21175976	rs11781613	G	T	0.285	0.028	0.267	7.64E-24	-0.009	0.003	0.001	0.027	101.312	TRUE	5.67E-22
PEF	BLK	cg21175976	rs11784764	T	C	-0.289	0.027	0.291	1.18E-26	0.005	0.003	0.070	0.030	114.133	TRUE	3.04E-25
PEF	BLK	cg21175976	rs11785067	C	T	-0.260	0.029	0.250	4.28E-19	0.010	0.003	9.47E-04	0.021	79.694	TRUE	1.80E-17
PEF	BLK	cg21175976	rs11786618	A	G	0.190	0.027	0.343	1.46E-12	-0.006	0.003	0.021	0.013	50.075	TRUE	1.16E-11
PEF	BLK	cg21175976	rs12543042	A	G	0.214	0.032	0.208	1.74E-11	-0.003	0.003	0.333	0.012	45.214	TRUE	4.89E-11
PEF	BLK	cg21175976	rs12548232	C	T	0.272	0.031	0.219	9.14E-19	-0.005	0.003	0.123	0.021	78.194	TRUE	7.56E-18
PEF	BLK	cg21175976	rs13264212	T	C	0.258	0.033	0.188	5.18E-15	-0.004	0.003	0.188	0.016	61.159	TRUE	2.47E-14
PEF	BLK	cg21175976	rs13264636	G	C	-0.233	0.030	0.204	9.59E-15	0.000	0.003	0.895	0.016	59.946	TRUE	1.77E-14
PEF	BLK	cg21175976	rs17152366	C	T	-0.241	0.037	0.131	7.90E-11	0.010	0.004	0.007	0.011	42.259	TRUE	6.43E-10
PEF	BLK	cg21175976	rs2250562	T	G	-0.236	0.040	0.285	5.22E-09	0.005	0.003	0.061	0.009	34.087	TRUE	2.07E-08
PEF	BLK	cg21175976	rs2279169	A	G	0.610	0.025	0.376	1.68E-134	-0.011	0.003	3.00E-05	0.141	608.856	TRUE	6.96E-122
PEF	BLK	cg21175976	rs2572410	T	A	-0.212	0.026	0.386	1.34E-16	0.004	0.003	0.172	0.018	68.349	TRUE	7.97E-16
PEF	BLK	cg21175976	rs2736364	T	G	-0.309	0.026	0.385	1.45E-33	0.007	0.003	0.004	0.038	145.697	TRUE	2.76E-31
PEF	BLK	cg21175976	rs3021514	T	G	-0.277	0.040	0.098	3.89E-12	0.004	0.004	0.324	0.013	48.152	TRUE	1.17E-11
PEF	BLK	cg21175976	rs35043734	T	G	-0.204	0.029	0.236	2.49E-12	0.004	0.003	0.227	0.013	49.026	TRUE	8.84E-12
PEF	BLK	cg21175976	rs4455790	C	G	-0.226	0.028	0.262	8.96E-16	0.008	0.003	0.007	0.017	64.613	TRUE	1.41E-14
PEF	BLK	cg21175976	rs4841560	A	C	-0.254	0.038	0.119	3.28E-11	-0.005	0.004	0.233	0.012	43.981	TRUE	1.06E-10
PEF	BLK	cg21175976	rs4841637	T	C	-0.225	0.034	0.174	2.41E-11	0.010	0.003	0.002	0.012	44.584	TRUE	2.74E-10
PEF	BLK	cg21175976	rs4841655	T	C	0.298	0.027	0.323	2.66E-28	-0.012	0.003	1.77E-05	0.032	121.653	TRUE	1.31E-25
PEF	BLK	cg21175976	rs58693114	A	C	-0.215	0.034	0.159	4.40E-10	0.004	0.003	0.278	0.010	38.906	TRUE	1.20E-09
PEF	BLK	cg21175976	rs6601642	A	G	-0.251	0.041	0.099	9.32E-10	-0.007	0.004	0.066	0.010	37.442	TRUE	3.97E-09
PEF	BLK	cg21175976	rs66566471	A	G	0.193	0.033	0.182	4.03E-09	-0.010	0.003	0.002	0.009	34.590	TRUE	3.35E-08
PEF	BLK	cg21175976	rs73203480	A	C	0.330	0.045	0.087	2.71E-13	-0.018	0.005	1.50E-04	0.014	53.379	TRUE	7.04E-12
PEF	BLK	cg21175976	rs77613642	G	C	-0.283	0.048	0.072	5.03E-09	0.001	0.005	0.792	0.009	34.160	TRUE	7.65E-09
PEF	BLK	cg21175976	rs7826879	A	G	-0.281	0.034	0.159	2.52E-16	0.008	0.003	0.023	0.018	67.107	TRUE	3.10E-15

PEF	BLK	cg21175976	rs7846545	C	A	-0.262	0.028	0.257	6.77E-21	0.006	0.003	0.058	0.023	87.887	TRUE	1.00E-19
PEF	BLK	cg21175976	rs78860560	T	G	0.319	0.055	0.056	4.87E-09	-0.002	0.006	0.685	0.009	34.222	TRUE	8.02E-09
PEF	BLK	cg21175976	rs79676816	C	T	0.223	0.034	0.175	8.38E-11	-0.003	0.004	0.440	0.011	42.145	TRUE	1.95E-10
PEF	BLK	cg21175976	rs80084058	A	G	-0.229	0.034	0.173	1.13E-11	-0.007	0.003	0.037	0.012	46.067	TRUE	6.98E-11
PEF	BLK	cg21175976	rs804269	T	C	-0.246	0.027	0.281	2.79E-19	0.001	0.003	0.639	0.021	80.540	TRUE	9.25E-19
PEF	BLK	cg21175976	rs9644687	A	G	0.282	0.028	0.292	4.67E-24	-0.002	0.003	0.507	0.027	102.289	TRUE	2.70E-23
PEF	BLK	cg21701351	rs10090879	T	G	0.168	0.025	0.450	3.60E-11	-0.003	0.003	0.205	0.012	43.795	TRUE	1.22E-10
PEF	BLK	cg21701351	rs10503419	G	T	0.238	0.029	0.233	3.33E-16	0.003	0.003	0.395	0.018	66.563	TRUE	1.24E-15
PEF	BLK	cg21701351	rs11773913	A	G	-0.248	0.029	0.253	4.52E-18	-0.004	0.003	0.163	0.020	75.040	TRUE	3.02E-17
PEF	BLK	cg21701351	rs11782137	T	C	-0.289	0.030	0.218	1.89E-21	-0.008	0.003	0.014	0.024	90.407	TRUE	5.14E-20
PEF	BLK	cg21701351	rs11784016	T	C	0.920	0.022	0.313	<1E-200	0.002	0.003	0.466	0.313	1684.549	TRUE	<1E-200
PEF	BLK	cg21701351	rs12115021	G	A	0.325	0.032	0.184	6.22E-24	0.009	0.003	0.004	0.027	101.718	TRUE	3.57E-22
PEF	BLK	cg21701351	rs13280959	C	T	0.269	0.033	0.169	7.15E-16	0.006	0.003	0.062	0.017	65.056	TRUE	5.95E-15
PEF	BLK	cg21701351	rs17153757	G	A	-0.227	0.040	0.116	1.85E-08	-0.003	0.004	0.507	0.008	31.632	TRUE	3.43E-08
PEF	BLK	cg21701351	rs17711777	C	T	-0.361	0.064	0.080	1.53E-08	-0.003	0.005	0.538	0.009	31.997	TRUE	2.80E-08
PEF	BLK	cg21701351	rs17807945	T	C	0.226	0.032	0.189	1.41E-12	0.007	0.003	0.037	0.013	50.138	TRUE	9.68E-12
PEF	BLK	cg21701351	rs2088346	G	T	0.221	0.030	0.214	3.96E-13	0.005	0.003	0.127	0.014	52.632	TRUE	1.92E-12
PEF	BLK	cg21701351	rs2249831	C	T	-0.229	0.031	0.212	2.00E-13	0.006	0.003	0.070	0.014	53.975	TRUE	1.22E-12
PEF	BLK	cg21701351	rs2618481	C	T	-0.320	0.032	0.207	3.29E-23	0.001	0.003	0.692	0.026	98.423	TRUE	1.35E-22
PEF	BLK	cg21701351	rs28446662	A	T	-0.199	0.031	0.222	2.44E-10	-0.001	0.003	0.687	0.011	40.053	TRUE	4.29E-10
PEF	BLK	cg21701351	rs34448335	T	G	-0.337	0.030	0.231	1.49E-29	-0.004	0.003	0.153	0.033	127.369	TRUE	3.30E-28
PEF	BLK	cg21701351	rs34932002	T	C	-0.315	0.029	0.266	4.25E-28	-0.003	0.003	0.329	0.032	120.724	TRUE	4.79E-27
PEF	BLK	cg21701351	rs3729851	A	G	0.285	0.034	0.153	4.31E-17	0.006	0.004	0.121	0.019	70.592	TRUE	3.14E-16
PEF	BLK	cg21701351	rs3779664	A	G	-0.249	0.037	0.149	1.39E-11	-0.006	0.004	0.137	0.012	45.665	TRUE	5.60E-11
PEF	BLK	cg21701351	rs4141830	C	T	0.250	0.035	0.149	7.03E-13	0.002	0.004	0.498	0.014	51.508	TRUE	1.78E-12
PEF	BLK	cg21701351	rs4455790	C	G	0.290	0.028	0.262	5.83E-25	0.008	0.003	0.007	0.028	106.407	TRUE	2.93E-23
PEF	BLK	cg21701351	rs4613960	C	T	-0.209	0.025	0.416	2.08E-16	-0.001	0.003	0.712	0.018	67.488	TRUE	5.23E-16
PEF	BLK	cg21701351	rs4841381	G	C	0.258	0.029	0.245	8.55E-19	0.010	0.003	5.51E-04	0.021	78.327	TRUE	3.89E-17
PEF	BLK	cg21701351	rs4841602	G	A	0.313	0.043	0.089	4.32E-13	-0.002	0.005	0.709	0.014	52.465	TRUE	8.81E-13
PEF	BLK	cg21701351	rs4841660	T	C	-0.284	0.032	0.193	1.19E-18	-0.001	0.003	0.712	0.021	77.669	TRUE	3.44E-18
PEF	BLK	cg21701351	rs55718444	C	G	-0.388	0.053	0.064	1.96E-13	0.005	0.005	0.352	0.014	54.016	TRUE	6.24E-13
PEF	BLK	cg21701351	rs56074708	T	C	0.424	0.048	0.071	1.76E-18	0.001	0.005	0.816	0.020	76.906	TRUE	4.43E-18
PEF	BLK	cg21701351	rs58459177	T	C	0.309	0.037	0.133	4.79E-17	0.010	0.004	0.010	0.019	70.382	TRUE	8.44E-16
PEF	BLK	cg21701351	rs58951990	G	T	-0.336	0.035	0.149	1.25E-21	-0.002	0.004	0.644	0.024	91.221	TRUE	4.76E-21
PEF	BLK	cg21701351	rs62490778	A	G	-0.217	0.033	0.199	3.25E-11	-0.003	0.003	0.305	0.012	43.998	TRUE	9.30E-11
PEF	BLK	cg21701351	rs6985543	A	G	0.249	0.031	0.201	6.96E-16	0.004	0.003	0.240	0.017	65.111	TRUE	3.30E-15
PEF	BLK	cg21701351	rs6995080	A	G	0.380	0.030	0.220	7.53E-37	0.006	0.003	0.075	0.042	160.723	TRUE	5.77E-35
PEF	BLK	cg21701351	rs6997097	C	T	-0.333	0.046	0.088	4.25E-13	-0.007	0.005	0.114	0.014	52.494	TRUE	2.11E-12
PEF	BLK	cg21701351	rs7010143	A	C	0.348	0.039	0.109	4.87E-19	0.005	0.004	0.246	0.021	79.437	TRUE	3.00E-18
PEF	BLK	cg21701351	rs73195298	C	T	-0.326	0.040	0.119	4.14E-16	0.012	0.004	0.002	0.018	66.131	TRUE	9.82E-15
PEF	BLK	cg21701351	rs73196846	G	A	0.313	0.031	0.209	4.29E-24	0.008	0.003	0.011	0.027	102.454	TRUE	1.64E-22
PEF	BLK	cg21701351	rs7461560	T	C	0.267	0.041	0.098	8.26E-11	-0.008	0.004	0.059	0.011	42.171	TRUE	4.02E-10

PEF	BLK	cg21701351	rs77072957	G	A	-0.369	0.033	0.166	8.43E-29	0.003	0.003	0.340	0.032	123.931	TRUE	9.86E-28
PEF	BLK	cg21701351	rs7812573	A	C	0.208	0.031	0.193	2.57E-11	0.007	0.003	0.029	0.012	44.452	TRUE	1.63E-10
PEF	BLK	cg21701351	rs7821584	G	T	-0.303	0.054	0.061	1.76E-08	-0.001	0.006	0.891	0.009	31.730	TRUE	2.39E-08
PEF	BLK	cg21701351	rs7825690	T	G	0.327	0.025	0.408	5.72E-39	0.004	0.003	0.133	0.044	170.418	TRUE	3.77E-37
PEF	BLK	cg21701351	rs78368024	A	G	0.171	0.025	0.456	1.75E-11	0.001	0.003	0.760	0.012	45.211	TRUE	3.12E-11
PEF	BLK	cg21701351	rs9644757	A	G	0.335	0.027	0.278	3.57E-34	0.011	0.003	1.38E-04	0.039	148.483	TRUE	2.30E-31
PEF	BLK	cg24861686	rs10097870	A	G	-0.350	0.025	0.483	1.74E-45	-0.007	0.003	0.010	0.051	200.249	TRUE	1.30E-42
PEF	BLK	cg24861686	rs10103230	C	T	0.242	0.039	0.115	6.21E-10	-0.004	0.004	0.324	0.010	38.234	TRUE	1.55E-09
PEF	BLK	cg24861686	rs11778341	A	C	-0.248	0.039	0.125	2.03E-10	-0.005	0.004	0.179	0.011	40.412	TRUE	6.67E-10
PEF	BLK	cg24861686	rs13273672	C	T	-0.191	0.027	0.313	1.87E-12	-0.001	0.003	0.612	0.013	49.589	TRUE	4.07E-12
PEF	BLK	cg24861686	rs138543305	T	G	0.226	0.034	0.158	5.06E-11	0.003	0.004	0.430	0.012	43.132	TRUE	1.20E-10
PEF	BLK	cg24861686	rs140708080	C	A	-0.269	0.049	0.080	3.79E-08	0.000	0.005	0.998	0.008	30.237	TRUE	4.72E-08
PEF	BLK	cg24861686	rs34610931	T	G	-0.162	0.027	0.334	1.32E-09	-0.009	0.003	8.03E-04	0.010	36.761	TRUE	1.43E-08
PEF	BLK	cg24861686	rs3735818	T	C	-0.206	0.037	0.149	2.30E-08	-0.006	0.004	0.129	0.008	31.210	TRUE	7.05E-08
PEF	BLK	cg24861686	rs56259413	T	G	0.168	0.026	0.356	2.42E-10	0.009	0.003	4.96E-04	0.011	40.072	TRUE	3.22E-09
PEF	BLK	cg24861686	rs61004096	T	C	0.184	0.032	0.184	7.40E-09	0.005	0.003	0.129	0.009	33.408	TRUE	2.37E-08
PEF	BLK	cg24861686	rs73662651	C	T	0.219	0.038	0.125	7.89E-09	0.009	0.004	0.024	0.009	33.283	TRUE	3.88E-08
PEF	BLK	cg24861686	rs77094521	T	A	-0.243	0.044	0.096	3.27E-08	-0.006	0.005	0.177	0.008	30.523	TRUE	8.91E-08
PEF	BLK	cg24861686	rs7815495	A	T	0.199	0.032	0.195	2.93E-10	0.005	0.003	0.128	0.011	39.699	TRUE	1.06E-09
PEF	BLK	cg26161004	rs11250141	G	A	-0.165	0.026	0.415	1.35E-10	0.007	0.003	0.007	0.011	41.209	TRUE	1.06E-09
PEF	BLK	cg26161004	rs11785333	G	A	0.464	0.025	0.400	1.45E-75	-0.013	0.003	5.75E-07	0.084	338.185	TRUE	1.26E-68
PEF	BLK	cg26161004	rs11989027	A	G	-0.151	0.025	0.464	2.39E-09	0.002	0.003	0.552	0.010	35.609	TRUE	4.53E-09
PEF	BLK	cg26161004	rs17725480	T	C	-0.184	0.028	0.277	4.23E-11	0.004	0.003	0.189	0.012	43.482	TRUE	1.43E-10
PEF	BLK	cg26161004	rs17807945	T	C	-0.220	0.032	0.189	4.50E-12	0.007	0.003	0.037	0.013	47.868	TRUE	2.91E-11
PEF	BLK	cg26161004	rs34603591	T	C	-0.168	0.028	0.281	1.38E-09	0.009	0.003	7.68E-04	0.010	36.675	TRUE	1.42E-08
PEF	BLK	cg26161004	rs6601616	G	A	0.199	0.031	0.223	2.06E-10	-0.003	0.003	0.341	0.011	40.391	TRUE	5.20E-10
PEF	BLK	cg26161004	rs73195298	C	T	-0.386	0.040	0.119	4.33E-22	0.012	0.004	0.002	0.025	93.325	TRUE	2.34E-20
PEF	BLK	cg26161004	rs75701827	G	A	-0.211	0.027	0.294	1.04E-14	0.007	0.003	0.017	0.016	59.780	TRUE	1.16E-13
PEF	BNIP3	cg02038273	rs143252467	A	G	0.203	0.032	0.165	1.97E-10	-0.001	0.003	0.850	0.011	40.474	TRUE	3.02E-10
PEF	BNIP3	cg02365648	rs10870232	G	T	-0.259	0.027	0.252	4.88E-22	0.002	0.003	0.499	0.025	93.086	TRUE	2.43E-21
PEF	BNIP3	cg02365648	rs10870323	A	G	-0.156	0.026	0.283	2.09E-09	0.001	0.003	0.763	0.010	35.868	TRUE	3.27E-09
PEF	BNIP3	cg02365648	rs11146322	T	C	-0.169	0.026	0.308	3.87E-11	-0.006	0.003	0.043	0.012	43.655	TRUE	2.17E-10
PEF	BNIP3	cg02365648	rs117262064	T	G	-1.522	0.064	0.034	2.98E-123	0.004	0.007	0.586	0.131	557.171	TRUE	9.79E-116
PEF	BNIP3	cg02365648	rs12250241	C	T	-0.322	0.045	0.071	1.45E-12	0.001	0.005	0.825	0.013	50.086	TRUE	2.56E-12
PEF	BNIP3	cg02365648	rs145948725	A	C	-0.745	0.064	0.032	1.33E-31	0.002	0.007	0.745	0.036	136.732	TRUE	9.79E-31
PEF	BNIP3	cg02365648	rs2247705	G	A	-0.187	0.031	0.168	1.55E-09	-0.001	0.004	0.746	0.010	36.447	TRUE	2.54E-09
PEF	BNIP3	cg02365648	rs2814189	A	G	-0.199	0.028	0.238	4.20E-13	-0.001	0.003	0.732	0.014	52.517	TRUE	8.30E-13
PEF	BNIP3	cg02365648	rs67860580	A	G	-0.423	0.037	0.113	6.69E-30	-0.001	0.004	0.904	0.034	128.956	TRUE	3.41E-29
PEF	BNIP3	cg02365648	rs72853197	T	G	-0.163	0.025	0.326	8.48E-11	0.002	0.003	0.448	0.011	42.120	TRUE	1.94E-10
PEF	BNIP3	cg02365648	rs77963347	T	C	-0.755	0.059	0.041	4.39E-38	-0.001	0.007	0.894	0.043	166.369	TRUE	4.60E-37
PEF	BNIP3	cg02365648	rs79575145	A	G	-0.337	0.044	0.077	9.88E-15	-0.002	0.005	0.649	0.016	59.888	TRUE	2.37E-14
PEF	BNIP3	cg02388416	rs112782563	T	C	-0.461	0.032	0.160	2.21E-48	-0.001	0.004	0.687	0.055	213.518	TRUE	9.89E-47

PEF	BNIP3	cg02388416	rs9419406	C	A	-0.296	0.024	0.440	2.07E-35	-0.007	0.003	0.006	0.040	154.140	TRUE	4.79E-33
PEF	BNIP3	cg02835981	rs12784653	C	G	0.228	0.033	0.143	8.17E-12	-0.003	0.004	0.450	0.012	46.698	TRUE	2.00E-11
PEF	BNIP3	cg02886408	rs12784653	C	G	0.265	0.033	0.143	2.51E-15	-0.003	0.004	0.450	0.017	62.581	TRUE	7.90E-15
PEF	BNIP3	cg02886408	rs72855581	T	A	-0.333	0.032	0.160	1.01E-25	-0.001	0.004	0.815	0.029	109.890	TRUE	4.13E-25
PEF	BNIP3	cg05762616	rs4880263	T	C	-0.380	0.027	0.255	4.31E-46	0.002	0.003	0.468	0.052	203.033	TRUE	2.37E-44
PEF	BNIP3	cg09656274	rs4880263	T	C	-0.238	0.027	0.255	4.64E-19	0.002	0.003	0.468	0.021	79.536	TRUE	1.89E-18
PEF	BNIP3	cg12751948	rs143252467	A	G	0.299	0.032	0.165	6.34E-21	-0.001	0.003	0.850	0.023	88.017	TRUE	1.76E-20
PEF	BNIP3	cg12751948	rs45474491	T	G	0.773	0.135	0.016	1.04E-08	0.004	0.010	0.724	0.009	32.755	TRUE	1.63E-08
PEF	BNIP3	cg15390444	rs45474491	T	G	0.743	0.135	0.016	3.73E-08	0.004	0.010	0.724	0.008	30.270	TRUE	5.71E-08
PEF	BNIP3	cg15390444	rs45519634	T	C	0.445	0.032	0.162	1.17E-43	0.000	0.004	0.989	0.049	191.893	TRUE	1.82E-42
PEF	BNIP3	cg18477674	rs45519634	T	C	0.384	0.032	0.162	8.69E-33	0.000	0.004	0.989	0.037	142.146	TRUE	4.95E-32
PEF	BNIP3	cg20216030	rs3737058	A	G	0.292	0.024	0.324	6.20E-33	-0.007	0.003	0.007	0.037	142.816	TRUE	9.40E-31
PEF	BNIP3	cg20216030	rs45474491	T	G	-0.920	0.135	0.016	8.62E-12	0.004	0.010	0.724	0.012	46.595	TRUE	1.61E-11
PEF	BNIP3	cg21762589	rs3737058	A	G	-0.181	0.025	0.324	4.82E-13	-0.007	0.003	0.007	0.014	52.251	TRUE	5.53E-12
PEF	BNIP3	cg23471067	rs45519634	T	C	0.391	0.032	0.162	7.26E-34	0.000	0.004	0.989	0.038	147.075	TRUE	4.53E-33
PEF	BNIP3	cg23606392	rs113614184	T	G	-0.141	0.025	0.333	9.74E-09	-0.007	0.003	0.009	0.009	32.875	TRUE	5.93E-08
PEF	BNIP3	cg25123362	rs7079909	T	C	0.343	0.032	0.162	1.34E-26	0.000	0.004	0.984	0.030	113.890	TRUE	4.71E-26
PEF	BNIP3	cg25233900	rs45519634	T	C	0.308	0.032	0.162	1.51E-21	0.000	0.004	0.989	0.024	90.848	TRUE	3.79E-21
PEF	BOK	cg00318320	rs115230843	T	C	0.550	0.096	0.017	9.60E-09	-0.013	0.009	0.154	0.009	32.903	TRUE	2.87E-08
PEF	BOK	cg22999099	rs113344275	T	C	-0.513	0.059	0.040	1.86E-18	-0.002	0.006	0.728	0.020	76.790	TRUE	5.15E-18
PEF	BOK	cg22999099	rs12695002	C	T	0.333	0.024	0.422	3.57E-45	0.007	0.003	0.010	0.051	198.825	TRUE	2.45E-42
PEF	BOK	cg22999099	rs142730039	G	A	-0.869	0.092	0.032	3.54E-21	0.005	0.007	0.457	0.024	89.167	TRUE	1.73E-20
PEF	BOK	cg22999099	rs35904111	C	G	0.342	0.055	0.108	6.38E-10	0.002	0.004	0.720	0.010	38.180	TRUE	1.08E-09
PEF	BOK	cg22999099	rs4675930	T	C	0.307	0.041	0.229	6.84E-14	0.004	0.003	0.158	0.015	56.083	TRUE	3.21E-13
PEF	BOK	cg22999099	rs62191342	G	C	0.240	0.039	0.249	1.24E-09	-0.007	0.003	0.012	0.010	36.891	TRUE	7.61E-09
PEF	BOK	cg22999099	rs6757649	A	G	-0.163	0.023	0.449	3.36E-12	-0.003	0.003	0.234	0.013	48.442	TRUE	1.17E-11
PEF	BOK	cg22999099	rs7420703	C	T	-1.170	0.030	0.137	<1E-200	0.002	0.004	0.601	0.292	1524.014	TRUE	9.31E-292
PEF	BOK	cg22999099	rs7424328	C	T	-0.266	0.035	0.453	1.73E-14	0.001	0.003	0.706	0.016	58.789	TRUE	3.81E-14
PEF	BOK	cg22999099	rs75289375	T	C	-0.769	0.057	0.051	6.64E-41	-0.009	0.006	0.151	0.046	179.276	TRUE	5.38E-39
PEF	BOK	cg23959977	rs10168241	A	G	-0.282	0.049	0.135	9.18E-09	0.003	0.004	0.478	0.009	32.989	TRUE	1.80E-08
PEF	BOK	cg23959977	rs13015179	G	A	-0.444	0.030	0.187	3.31E-49	-0.004	0.003	0.188	0.055	217.301	TRUE	6.35E-47
PEF	BOK	cg23959977	rs13423154	T	C	-0.174	0.024	0.357	6.44E-13	-0.003	0.003	0.228	0.014	51.680	TRUE	2.38E-12
PEF	BOK	cg23959977	rs142708184	G	C	-0.599	0.103	0.029	5.77E-09	-0.010	0.008	0.198	0.009	33.891	TRUE	1.62E-08
PEF	BOK	cg23959977	rs142730039	G	A	-0.646	0.092	0.032	2.85E-12	0.005	0.007	0.457	0.013	48.763	TRUE	7.19E-12
PEF	BOK	cg23959977	rs36030965	A	C	-1.027	0.033	0.137	9.29E-219	0.002	0.004	0.634	0.212	996.179	TRUE	8.75E-199
PEF	BOK	cg23959977	rs56390343	A	C	-0.368	0.025	0.303	1.82E-47	-0.004	0.003	0.116	0.054	209.330	TRUE	3.85E-45
PEF	BOK	cg23959977	rs62191342	G	C	0.243	0.039	0.249	7.78E-10	-0.007	0.003	0.012	0.010	37.795	TRUE	4.92E-09
PEF	BOK	cg23959977	rs62193476	A	G	0.396	0.035	0.354	3.74E-29	0.004	0.003	0.183	0.033	125.544	TRUE	6.79E-28
PEF	BOK	cg23959977	rs73014018	A	G	-0.187	0.029	0.215	5.98E-11	-0.001	0.003	0.839	0.011	42.803	TRUE	9.52E-11
PEF	BOK	cg23959977	rs7369408	A	G	0.232	0.028	0.221	4.92E-17	-0.007	0.003	0.029	0.019	70.331	TRUE	5.90E-16
PEF	BOK	cg23959977	rs7424328	C	T	-0.282	0.035	0.453	3.64E-16	0.001	0.003	0.706	0.018	66.385	TRUE	8.90E-16
PEF	BOK	cg23959977	rs75289375	T	C	-0.596	0.058	0.051	5.60E-25	-0.009	0.006	0.151	0.028	106.489	TRUE	7.81E-24

PEF	BOK	cg23959977	rs75629307	T	C	-0.358	0.042	0.080	2.11E-17	-0.001	0.005	0.800	0.019	71.998	TRUE	5.00E-17
PEF	BOK	cg23959977	rs7601000	T	A	0.326	0.040	0.231	3.33E-16	0.005	0.003	0.093	0.018	66.559	TRUE	2.41E-15
PEF	BOK	cg24436906	rs115230843	T	C	0.556	0.096	0.017	6.60E-09	-0.013	0.009	0.154	0.009	33.631	TRUE	2.00E-08
PEF	BOK	cg24436906	rs13423154	T	C	-0.197	0.024	0.357	3.79E-16	-0.003	0.003	0.228	0.018	66.307	TRUE	1.84E-15
PEF	BOK	cg24828208	rs12695002	C	T	0.168	0.024	0.422	1.71E-12	0.007	0.003	0.010	0.013	49.767	TRUE	1.64E-11
PEF	C15orf37	cg01351869	rs2865825	A	G	0.189	0.029	0.206	4.23E-11	-0.007	0.003	0.020	0.012	43.481	TRUE	2.80E-10
PEF	C15orf37	cg01843524	rs12185084	A	G	-0.195	0.028	0.205	4.36E-12	-0.006	0.003	0.065	0.013	47.929	TRUE	2.41E-11
PEF	C15orf37	cg01843524	rs12907077	T	C	0.215	0.032	0.145	1.43E-11	-0.002	0.003	0.565	0.012	45.607	TRUE	3.09E-11
PEF	C15orf37	cg01843524	rs12908347	C	G	-0.188	0.027	0.229	7.13E-12	-0.008	0.003	0.005	0.013	46.965	TRUE	7.19E-11
PEF	C15orf37	cg01843524	rs150450469	C	T	0.145	0.023	0.457	3.80E-10	-0.002	0.003	0.535	0.010	39.193	TRUE	7.77E-10
PEF	C15orf37	cg01843524	rs2562756	G	A	-0.236	0.024	0.333	4.16E-22	0.001	0.003	0.785	0.025	93.402	TRUE	1.36E-21
PEF	C15orf37	cg01843524	rs28634350	C	G	-0.235	0.042	0.080	1.91E-08	0.004	0.005	0.370	0.008	31.569	TRUE	4.06E-08
PEF	C15orf37	cg01843524	rs35252136	C	G	-0.177	0.024	0.345	2.10E-13	-0.003	0.003	0.216	0.014	53.883	TRUE	8.29E-13
PEF	C15orf37	cg01843524	rs35818819	G	C	0.357	0.042	0.081	1.01E-17	0.007	0.005	0.132	0.019	73.454	TRUE	7.34E-17
PEF	C15orf37	cg01843524	rs71409255	C	A	0.552	0.073	0.026	3.84E-14	0.005	0.008	0.544	0.015	57.216	TRUE	1.00E-13
PEF	C15orf37	cg01843524	rs7171636	T	C	0.734	0.028	0.194	8.71E-154	0.004	0.003	0.248	0.159	697.488	TRUE	3.43E-142
PEF	C15orf37	cg01843524	rs73487353	C	T	0.246	0.026	0.287	9.65E-22	0.000	0.003	0.974	0.024	91.737	TRUE	2.47E-21
PEF	C15orf37	cg01843524	rs77013706	T	C	0.394	0.048	0.057	2.42E-16	0.001	0.005	0.922	0.018	67.187	TRUE	4.77E-16
PEF	C15orf37	cg11970192	rs11636338	C	A	-0.177	0.024	0.354	4.60E-13	0.002	0.003	0.372	0.014	52.339	TRUE	1.37E-12
PEF	C15orf37	cg11970192	rs11856039	T	C	0.214	0.027	0.235	5.25E-15	-0.006	0.003	0.044	0.016	61.132	TRUE	4.39E-14
PEF	C15orf37	cg11970192	rs12437938	T	C	0.542	0.079	0.023	6.57E-12	-0.020	0.009	0.025	0.013	47.126	TRUE	4.63E-11
PEF	C15orf37	cg11970192	rs34847355	G	T	0.578	0.028	0.207	3.66E-93	-0.008	0.003	0.011	0.102	418.966	TRUE	1.22E-86
PEF	C15orf37	cg11970192	rs4778756	C	T	-0.130	0.024	0.481	4.28E-08	0.004	0.003	0.173	0.008	30.003	TRUE	1.15E-07
PEF	C15orf37	cg11970192	rs56372426	G	C	0.201	0.030	0.181	1.93E-11	-0.004	0.003	0.183	0.012	45.017	TRUE	6.83E-11
PEF	C15orf37	cg11970192	rs6495449	A	G	-0.553	0.041	0.086	4.67E-42	0.002	0.005	0.706	0.048	184.555	TRUE	9.92E-41
PEF	C15orf37	cg26829925	rs28671106	T	C	-0.190	0.029	0.198	7.13E-11	0.003	0.003	0.291	0.011	42.460	TRUE	1.99E-10
PEF	C15orf37	cg27236825	rs36043829	G	A	-0.282	0.028	0.214	7.96E-24	-0.008	0.003	0.012	0.027	101.232	TRUE	2.85E-22
PEF	C16orf79	cg05248960	rs26855	A	G	-0.154	0.024	0.389	1.03E-10	0.000	0.003	0.913	0.011	41.747	TRUE	1.53E-10
PEF	C1orf200	cg07793148	rs4477280	A	G	-0.308	0.024	0.388	3.15E-38	0.001	0.003	0.578	0.043	167.029	TRUE	5.67E-37
PEF	C1orf200	cg14989202	rs7518793	C	T	-0.172	0.029	0.215	1.70E-09	-0.002	0.003	0.588	0.010	36.269	TRUE	3.15E-09
PEF	C1orf200	cg16597045	rs7518602	C	T	-0.163	0.024	0.392	7.66E-12	0.001	0.003	0.641	0.013	46.826	TRUE	1.54E-11
PEF	C9orf72	cg05990720	rs17769038	A	G	-0.245	0.028	0.219	1.10E-18	0.000	0.003	0.978	0.021	77.827	TRUE	2.33E-18
PEF	C9orf72	cg11613875	rs2492816	A	G	0.152	0.023	0.447	8.57E-11	0.001	0.003	0.639	0.011	42.101	TRUE	1.64E-10
PEF	C9orf72	cg13958452	rs10967976	G	A	0.188	0.023	0.455	8.59E-16	0.002	0.003	0.505	0.017	64.695	TRUE	2.65E-15
PEF	C9orf72	cg13958452	rs10967988	T	G	-0.417	0.022	0.442	7.55E-79	-0.006	0.003	0.021	0.087	353.249	TRUE	9.92E-74
PEF	C9orf72	cg13958452	rs4879572	G	A	-0.417	0.061	0.072	7.88E-12	-0.002	0.005	0.760	0.012	46.769	TRUE	1.43E-11
PEF	CAPZB	cg00968167	rs60780644	C	T	-0.175	0.024	0.343	9.09E-13	0.015	0.003	2.73E-08	0.014	51.004	TRUE	6.92E-11
PEF	CAPZB	cg01693305	rs10917461	A	C	-0.207	0.027	0.224	3.95E-14	-0.002	0.003	0.608	0.015	57.165	TRUE	9.42E-14
PEF	CAPZB	cg01832549	rs12121189	A	G	-0.214	0.028	0.224	1.88E-14	0.009	0.003	0.004	0.016	58.619	TRUE	2.82E-13
PEF	CAPZB	cg01832549	rs12754186	T	G	0.311	0.035	0.118	4.07E-19	0.014	0.004	4.72E-04	0.021	79.794	TRUE	2.01E-17
PEF	CAPZB	cg03542686	rs4912100	G	A	-0.183	0.024	0.432	8.53E-15	0.014	0.003	1.72E-08	0.016	60.177	TRUE	1.05E-12
PEF	CAPZB	cg03542686	rs71645451	C	G	0.178	0.033	0.147	4.36E-08	0.002	0.004	0.572	0.008	29.965	TRUE	7.53E-08

PEF	CAPZB	cg05820435	rs214303	T	C	0.157	0.023	0.383	2.10E-11	0.012	0.003	3.77E-06	0.012	44.854	TRUE	6.56E-10
PEF	CAPZB	cg06788764	rs10158117	C	G	0.160	0.026	0.262	5.75E-10	0.006	0.003	0.034	0.010	38.384	TRUE	3.02E-09
PEF	CAPZB	cg07573717	rs10799662	C	T	-0.174	0.024	0.390	8.59E-13	-0.011	0.003	2.33E-05	0.014	51.114	TRUE	2.76E-11
PEF	CAPZB	cg07573717	rs12744054	C	A	-0.147	0.025	0.325	4.37E-09	0.005	0.003	0.062	0.009	34.432	TRUE	1.71E-08
PEF	CAPZB	cg07573717	rs1543366	T	C	-0.442	0.031	0.178	7.93E-47	0.002	0.003	0.576	0.053	206.399	TRUE	3.83E-45
PEF	CAPZB	cg07573717	rs214327	C	T	0.314	0.024	0.442	1.91E-40	0.016	0.003	1.48E-10	0.046	177.180	TRUE	1.18E-35
PEF	CAPZB	cg07573717	rs67705352	T	G	0.138	0.024	0.375	9.39E-09	-0.016	0.003	1.40E-09	0.009	32.945	TRUE	3.88E-07
PEF	CAPZB	cg07573717	rs735025	G	A	-0.169	0.024	0.408	2.79E-12	0.002	0.003	0.510	0.013	48.807	TRUE	6.62E-12
PEF	CAPZB	cg07573717	rs75797435	T	A	-1.535	0.054	0.051	4.48E-178	0.013	0.006	0.028	0.179	809.134	TRUE	5.24E-162
PEF	CAPZB	cg07905985	rs10917275	C	T	-0.252	0.027	0.258	2.91E-21	0.000	0.003	0.905	0.024	89.554	TRUE	7.71E-21
PEF	CAPZB	cg07905985	rs12028479	T	G	-0.311	0.040	0.089	1.57E-14	-0.008	0.004	0.064	0.016	58.979	TRUE	1.09E-13
PEF	CAPZB	cg07905985	rs12095615	G	A	-0.173	0.024	0.393	4.98E-13	0.004	0.003	0.103	0.014	52.185	TRUE	2.53E-12
PEF	CAPZB	cg07905985	rs12127394	G	T	-0.335	0.054	0.098	5.67E-10	0.003	0.005	0.472	0.010	38.411	TRUE	1.21E-09
PEF	CAPZB	cg07905985	rs189179003	T	C	-0.805	0.100	0.018	6.47E-16	0.008	0.009	0.398	0.017	65.252	TRUE	2.31E-15
PEF	CAPZB	cg07905985	rs2268805	G	A	0.191	0.028	0.223	9.88E-12	0.006	0.003	0.033	0.012	46.328	TRUE	6.33E-11
PEF	CAPZB	cg07905985	rs60196040	T	C	-0.378	0.040	0.089	7.53E-21	0.006	0.004	0.137	0.023	87.676	TRUE	7.31E-20
PEF	CAPZB	cg07905985	rs61759272	G	C	-0.184	0.029	0.196	3.30E-10	0.002	0.003	0.454	0.011	39.469	TRUE	7.24E-10
PEF	CAPZB	cg07905985	rs61765106	T	G	-0.187	0.030	0.180	2.35E-10	0.006	0.003	0.064	0.011	40.134	TRUE	1.07E-09
PEF	CAPZB	cg07905985	rs61766690	A	G	-1.366	0.052	0.047	2.27E-152	-0.002	0.006	0.709	0.157	690.976	TRUE	8.41E-142
PEF	CAPZB	cg07905985	rs67559618	A	C	0.217	0.033	0.136	8.51E-11	0.012	0.004	9.13E-04	0.011	42.113	TRUE	1.09E-09
PEF	CAPZB	cg07905985	rs7519264	G	A	-0.308	0.025	0.320	1.19E-33	-0.029	0.003	1.90E-26	0.038	146.098	TRUE	2.18E-27
PEF	CAPZB	cg07905985	rs9729157	C	T	-0.198	0.025	0.355	6.86E-16	-0.009	0.003	0.001	0.017	65.137	TRUE	1.82E-14
PEF	CAPZB	cg09976716	rs10917275	C	T	-0.281	0.027	0.258	3.20E-26	0.000	0.003	0.905	0.029	112.158	TRUE	1.19E-25
PEF	CAPZB	cg09976716	rs11591018	T	A	-0.346	0.051	0.102	7.32E-12	-0.002	0.004	0.655	0.013	46.915	TRUE	1.47E-11
PEF	CAPZB	cg09976716	rs16862355	C	T	-0.226	0.028	0.206	2.01E-15	0.003	0.003	0.335	0.017	63.025	TRUE	7.62E-15
PEF	CAPZB	cg09976716	rs189179003	T	C	-0.876	0.099	0.018	1.21E-18	0.008	0.009	0.398	0.021	77.636	TRUE	5.33E-18
PEF	CAPZB	cg09976716	rs214325	G	A	-1.446	0.051	0.047	1.41E-173	-0.001	0.006	0.890	0.176	788.461	TRUE	1.30E-160
PEF	CAPZB	cg09976716	rs214344	A	C	-0.265	0.027	0.226	1.02E-22	0.008	0.003	0.010	0.025	96.177	TRUE	3.47E-21
PEF	CAPZB	cg09976716	rs28434037	C	T	-0.296	0.032	0.170	8.95E-21	0.001	0.003	0.675	0.023	87.333	TRUE	3.09E-20
PEF	CAPZB	cg09976716	rs3087566	C	T	-0.187	0.025	0.303	1.34E-13	0.007	0.003	0.008	0.015	54.760	TRUE	1.63E-12
PEF	CAPZB	cg09976716	rs3813984	G	A	-0.269	0.026	0.312	6.56E-26	-0.029	0.003	4.15E-26	0.029	110.736	TRUE	1.20E-20
PEF	CAPZB	cg09976716	rs4076839	C	G	-0.188	0.029	0.214	4.60E-11	-0.007	0.003	0.025	0.012	43.315	TRUE	3.03E-10
PEF	CAPZB	cg09976716	rs61765106	T	G	-0.221	0.029	0.180	5.48E-14	0.006	0.003	0.064	0.015	56.519	TRUE	3.67E-13
PEF	CAPZB	cg09976716	rs709683	G	C	-0.200	0.024	0.402	3.86E-17	0.004	0.003	0.141	0.019	70.807	TRUE	2.57E-16
PEF	CAPZB	cg09976716	rs7411577	A	C	-0.709	0.083	0.017	1.69E-17	-0.004	0.009	0.633	0.019	72.434	TRUE	4.97E-17
PEF	CAPZB	cg09976716	rs7524423	A	G	-0.275	0.026	0.260	1.27E-25	0.008	0.003	0.006	0.029	109.424	TRUE	7.51E-24
PEF	CAPZB	cg09976716	rs9729157	C	T	-0.191	0.024	0.355	6.38E-15	-0.009	0.003	0.001	0.016	60.748	TRUE	1.47E-13
PEF	CAPZB	cg10970798	rs7540995	T	C	0.330	0.028	0.212	6.38E-32	0.009	0.003	0.004	0.036	138.191	TRUE	1.07E-29
PEF	CAPZB	cg11335264	rs12132200	T	C	-0.313	0.031	0.180	2.54E-24	0.002	0.003	0.618	0.027	103.494	TRUE	1.23E-23
PEF	CAPZB	cg11335264	rs2050827	A	G	-1.254	0.083	0.024	5.55E-51	-0.011	0.008	0.202	0.057	225.435	TRUE	1.25E-48
PEF	CAPZB	cg11335264	rs214339	A	G	-0.177	0.026	0.288	1.90E-11	-0.023	0.003	5.54E-16	0.012	45.046	TRUE	6.16E-09
PEF	CAPZB	cg11335264	rs2745213	G	A	-0.145	0.023	0.461	4.11E-10	0.005	0.003	0.043	0.010	39.037	TRUE	2.06E-09

PEF	CAPZB	cg11335264	rs75797435	T	A	-0.951	0.056	0.051	2.93E-64	0.013	0.006	0.028	0.072	286.312	TRUE	2.15E-60
PEF	CAPZB	cg11335264	rs924519	C	T	-0.229	0.024	0.380	1.94E-21	0.012	0.003	1.40E-05	0.024	90.352	TRUE	3.24E-19
PEF	CAPZB	cg11962640	rs12136530	G	A	0.158	0.026	0.251	1.59E-09	0.006	0.003	0.083	0.010	36.405	TRUE	6.13E-09
PEF	CAPZB	cg12424867	rs12563442	C	T	0.145	0.026	0.258	2.56E-08	0.006	0.003	0.040	0.008	31.000	TRUE	1.04E-07
PEF	CAPZB	cg12763668	rs10753508	C	T	0.174	0.026	0.272	3.83E-11	0.000	0.003	0.886	0.012	43.676	TRUE	5.94E-11
PEF	CAPZB	cg12763668	rs214309	A	G	0.504	0.023	0.383	2.06E-104	0.012	0.003	3.45E-06	0.113	470.631	TRUE	6.25E-95
PEF	CAPZB	cg12763668	rs3762389	T	A	0.204	0.025	0.351	2.15E-16	0.000	0.003	0.949	0.018	67.425	TRUE	4.14E-16
PEF	CAPZB	cg12763668	rs56239997	T	G	0.251	0.033	0.136	6.26E-14	0.012	0.004	0.001	0.015	56.257	TRUE	1.22E-12
PEF	CAPZB	cg12763668	rs60196040	T	C	0.248	0.041	0.089	9.53E-10	0.006	0.004	0.137	0.010	37.399	TRUE	3.24E-09
PEF	CAPZB	cg12763668	rs61766687	T	C	0.586	0.054	0.047	3.14E-27	-0.002	0.006	0.710	0.031	116.757	TRUE	1.70E-26
PEF	CAPZB	cg12763668	rs72653937	T	A	-0.356	0.045	0.080	1.35E-15	-0.030	0.004	1.29E-12	0.017	63.809	TRUE	6.18E-13
PEF	CAPZB	cg12763668	rs7543747	T	C	-0.200	0.032	0.164	6.78E-10	-0.016	0.004	1.31E-05	0.010	38.063	TRUE	1.37E-08
PEF	CAPZB	cg13100118	rs12755497	G	A	-0.169	0.024	0.359	2.74E-12	0.014	0.003	1.02E-07	0.013	48.842	TRUE	1.76E-10
PEF	CAPZB	cg13319175	rs6683394	A	G	0.175	0.028	0.227	4.18E-10	-0.033	0.003	2.67E-27	0.010	39.006	TRUE	3.87E-07
PEF	CAPZB	cg15125012	rs78292118	A	C	0.339	0.054	0.047	2.70E-10	-0.002	0.006	0.700	0.011	39.860	TRUE	4.73E-10
PEF	CAPZB	cg15136975	rs1546263	A	G	-0.257	0.028	0.225	9.83E-20	-0.032	0.003	5.38E-26	0.022	82.598	TRUE	2.48E-15
PEF	CAPZB	cg15136975	rs214344	A	C	0.175	0.027	0.226	1.07E-10	0.008	0.003	0.010	0.011	41.664	TRUE	8.08E-10
PEF	CAPZB	cg15136975	rs34553579	C	A	0.430	0.026	0.258	7.14E-62	0.006	0.003	0.039	0.069	275.362	TRUE	3.07E-58
PEF	CAPZB	cg15136975	rs61766717	A	T	0.357	0.054	0.047	5.33E-11	-0.002	0.006	0.741	0.011	43.029	TRUE	9.39E-11
PEF	CAPZB	cg15136975	rs61766782	T	C	0.521	0.089	0.015	5.41E-09	0.013	0.009	0.151	0.009	34.016	TRUE	1.66E-08
PEF	CAPZB	cg15136975	rs7543747	T	C	-0.192	0.032	0.164	2.48E-09	-0.016	0.004	1.31E-05	0.010	35.537	TRUE	4.47E-08
PEF	CAPZB	cg16694480	rs115472911	G	C	0.442	0.055	0.047	5.22E-16	-0.002	0.006	0.733	0.017	65.677	TRUE	1.23E-15
PEF	CAPZB	cg17081867	rs12022161	A	G	-0.162	0.027	0.240	1.13E-09	-0.004	0.003	0.163	0.010	37.070	TRUE	3.64E-09
PEF	CAPZB	cg17081867	rs55967673	T	C	0.284	0.027	0.239	2.54E-25	-0.031	0.003	3.02E-25	0.028	108.057	TRUE	2.83E-20
PEF	CAPZB	cg19713429	rs115472911	G	C	0.404	0.055	0.047	1.36E-13	-0.002	0.006	0.733	0.015	54.737	TRUE	2.77E-13
PEF	CAPZB	cg19713429	rs12755497	G	A	-0.189	0.024	0.359	6.13E-15	0.014	0.003	1.02E-07	0.016	60.828	TRUE	6.90E-13
PEF	CAPZB	cg19713429	rs144547615	G	A	0.378	0.067	0.029	2.11E-08	0.021	0.007	0.002	0.008	31.371	TRUE	1.58E-07
PEF	CAPZB	cg19713429	rs904965	G	A	0.282	0.024	0.374	2.74E-32	0.011	0.003	2.71E-05	0.036	139.868	TRUE	2.12E-29
PEF	CAPZB	cg23111655	rs10799817	C	G	-0.251	0.024	0.380	2.29E-25	0.011	0.003	1.65E-05	0.028	108.259	TRUE	7.07E-23
PEF	CAPZB	cg23111655	rs113042236	A	T	-0.271	0.047	0.063	9.36E-09	0.016	0.005	0.001	0.009	32.952	TRUE	8.00E-08
PEF	CAPZB	cg23111655	rs113831173	T	C	0.778	0.097	0.019	9.15E-16	0.008	0.008	0.302	0.017	64.571	TRUE	3.75E-15
PEF	CAPZB	cg23111655	rs115164374	A	C	0.324	0.047	0.070	3.97E-12	0.008	0.005	0.119	0.013	48.114	TRUE	1.78E-11
PEF	CAPZB	cg23111655	rs12139109	C	T	0.811	0.054	0.047	1.41E-51	-0.003	0.006	0.647	0.058	228.169	TRUE	9.90E-50
PEF	CAPZB	cg23111655	rs12751600	A	G	0.182	0.032	0.168	7.61E-09	0.004	0.003	0.264	0.009	33.355	TRUE	1.87E-08
PEF	CAPZB	cg23111655	rs189179003	T	C	0.716	0.100	0.018	7.11E-13	0.008	0.009	0.398	0.014	51.486	TRUE	2.02E-12
PEF	CAPZB	cg23111655	rs2314331	A	G	0.212	0.028	0.215	3.64E-14	0.005	0.003	0.136	0.015	57.323	TRUE	1.87E-13
PEF	CAPZB	cg23111655	rs28437983	A	C	0.180	0.024	0.367	6.04E-14	0.011	0.003	1.77E-05	0.015	56.329	TRUE	2.59E-12
PEF	CAPZB	cg23111655	rs4147449	G	C	-0.446	0.077	0.027	8.72E-09	-0.002	0.008	0.825	0.009	33.090	TRUE	1.27E-08
PEF	CAPZB	cg23111655	rs4912081	T	G	0.857	0.023	0.270	<1E-200	0.007	0.003	0.010	0.279	1428.478	TRUE	3.57E-272
PEF	CAPZB	cg23111655	rs61765106	T	G	0.202	0.030	0.180	9.20E-12	0.006	0.003	0.064	0.012	46.466	TRUE	4.88E-11
PEF	CAPZB	cg23111655	rs6669110	C	A	-0.243	0.032	0.407	8.27E-14	-0.011	0.003	1.20E-05	0.015	55.710	TRUE	3.71E-12
PEF	CAPZB	cg23111655	rs6682099	T	C	-0.356	0.035	0.115	2.91E-24	0.014	0.004	5.94E-04	0.027	103.222	TRUE	2.96E-22

PEF	CAPZB	cg23111655	rs71645448	A	T	0.740	0.085	0.018	4.28E-18	0.016	0.009	0.070	0.020	75.146	TRUE	4.20E-17
PEF	CAPZB	cg23111655	rs72651461	G	A	-0.269	0.026	0.299	2.28E-25	-0.027	0.003	1.72E-22	0.028	108.269	TRUE	1.33E-20
PEF	CAPZB	cg23111655	rs78475593	A	G	0.598	0.077	0.024	9.20E-15	0.004	0.007	0.615	0.016	60.028	TRUE	2.30E-14
PEF	CAPZB	cg23111655	rs79713050	T	C	0.399	0.063	0.041	2.23E-10	0.005	0.007	0.462	0.011	40.234	TRUE	4.93E-10
PEF	CAPZB	cg23519022	rs12565770	A	G	-0.267	0.048	0.114	2.78E-08	-0.020	0.004	4.78E-07	0.008	30.840	TRUE	5.79E-07
PEF	CAPZB	cg23519022	rs41264091	T	A	-0.244	0.028	0.229	8.94E-19	-0.032	0.003	6.96E-26	0.021	78.239	TRUE	1.56E-14
PEF	CAPZB	cg24593138	rs10753508	C	T	0.156	0.026	0.272	2.77E-09	0.000	0.003	0.886	0.009	35.321	TRUE	3.94E-09
PEF	CAPZB	cg24593138	rs10917493	T	G	-0.154	0.024	0.433	1.04E-10	-0.004	0.003	0.140	0.011	41.717	TRUE	3.87E-10
PEF	CAPZB	cg24593138	rs1126682	T	C	0.224	0.032	0.168	1.37E-12	0.004	0.003	0.261	0.013	50.196	TRUE	4.78E-12
PEF	CAPZB	cg24593138	rs113042236	A	T	-0.407	0.047	0.063	6.10E-18	0.016	0.005	0.001	0.020	74.447	TRUE	2.05E-16
PEF	CAPZB	cg24593138	rs12164540	C	T	0.217	0.024	0.388	2.55E-19	0.008	0.003	0.001	0.021	80.717	TRUE	9.61E-18
PEF	CAPZB	cg24593138	rs2268803	C	T	1.007	0.017	0.380	<1E-200	0.011	0.003	1.00E-05	0.486	3497.727	TRUE	<1E-200
PEF	CAPZB	cg24593138	rs34542888	T	C	0.802	0.050	0.053	1.57E-57	0.011	0.005	0.044	0.065	255.447	TRUE	3.04E-54
PEF	CAPZB	cg24593138	rs55886853	A	G	-0.486	0.080	0.022	1.01E-09	0.000	0.009	0.962	0.010	37.290	TRUE	1.37E-09
PEF	CAPZB	cg24593138	rs61766782	T	C	0.575	0.090	0.015	1.42E-10	0.013	0.009	0.151	0.011	41.110	TRUE	5.06E-10
PEF	CAPZB	cg24593138	rs6426806	A	G	-0.188	0.028	0.219	1.34E-11	0.000	0.003	0.897	0.012	45.732	TRUE	2.10E-11
PEF	CAPZB	cg24593138	rs71645448	A	T	0.607	0.086	0.018	1.22E-12	0.016	0.009	0.070	0.013	50.426	TRUE	6.83E-12
PEF	CAPZB	cg24593138	rs72653922	C	T	0.726	0.067	0.028	3.59E-27	0.009	0.007	0.193	0.031	116.494	TRUE	5.35E-26
PEF	CAPZB	cg24593138	rs72653926	A	G	-0.311	0.024	0.428	9.53E-40	0.015	0.003	1.17E-08	0.045	173.981	TRUE	1.70E-35
PEF	CAPZB	cg24593138	rs72653937	T	A	-0.509	0.044	0.080	1.85E-30	-0.030	0.004	1.29E-12	0.034	131.507	TRUE	2.58E-26
PEF	CAPZB	cg24593138	rs7543747	T	C	-0.431	0.032	0.164	2.97E-41	-0.016	0.004	1.31E-05	0.047	180.875	TRUE	1.25E-37
PEF	CAPZB	cg24593138	rs76434038	A	G	-0.310	0.053	0.053	4.08E-09	0.003	0.006	0.639	0.009	34.569	TRUE	7.02E-09
PEF	CAPZB	cg24593138	rs77049691	T	G	0.229	0.025	0.350	2.36E-20	0.000	0.003	0.981	0.023	85.418	TRUE	5.54E-20
PEF	CAPZB	cg24593138	rs77461704	T	C	-0.586	0.088	0.020	3.13E-11	-0.028	0.008	5.65E-04	0.012	44.067	TRUE	4.58E-10
PEF	CAPZB	cg24593138	rs78475593	A	G	0.532	0.077	0.024	5.83E-12	0.004	0.007	0.615	0.013	47.360	TRUE	1.22E-11
PEF	CAPZB	cg24593138	rs79713050	T	C	0.364	0.063	0.041	7.43E-09	0.005	0.007	0.462	0.009	33.401	TRUE	1.48E-08
PEF	CAPZB	cg24593138	rs80265486	C	T	0.684	0.050	0.056	1.85E-43	0.015	0.006	0.005	0.049	190.977	TRUE	1.35E-40
PEF	CAPZB	cg24671886	rs10917449	G	A	-0.231	0.028	0.228	7.48E-17	0.007	0.003	0.019	0.018	69.504	TRUE	9.83E-16
PEF	CAPZB	cg24671886	rs76799277	C	G	0.646	0.109	0.020	2.86E-09	-0.001	0.009	0.930	0.009	35.259	TRUE	3.93E-09
PEF	CAPZB	cg26824678	rs1002365	T	C	0.441	0.023	0.441	1.28E-81	0.015	0.003	2.49E-09	0.090	365.961	TRUE	3.22E-73
PEF	CAPZB	cg26824678	rs10753508	C	T	-0.219	0.026	0.272	6.88E-17	0.000	0.003	0.886	0.018	69.668	TRUE	1.45E-16
PEF	CAPZB	cg26824678	rs113238925	A	G	0.403	0.060	0.083	1.66E-11	0.016	0.005	8.07E-04	0.012	45.307	TRUE	2.42E-10
PEF	CAPZB	cg26824678	rs113831173	T	C	-1.040	0.096	0.019	3.91E-27	0.008	0.008	0.302	0.030	116.327	TRUE	4.30E-26
PEF	CAPZB	cg26824678	rs115164374	A	C	-0.412	0.047	0.070	8.52E-19	0.008	0.005	0.119	0.021	78.333	TRUE	7.24E-18
PEF	CAPZB	cg26824678	rs12139872	A	G	-0.983	0.054	0.047	2.83E-75	-0.003	0.006	0.637	0.083	336.849	TRUE	5.92E-72
PEF	CAPZB	cg26824678	rs12566679	A	G	-0.278	0.043	0.080	9.07E-11	-0.004	0.005	0.390	0.011	41.990	TRUE	2.25E-10
PEF	CAPZB	cg26824678	rs127037	G	C	0.415	0.027	0.259	2.78E-54	0.013	0.003	1.80E-05	0.061	240.564	TRUE	1.08E-49
PEF	CAPZB	cg26824678	rs12751600	A	G	-0.241	0.032	0.168	2.29E-14	0.004	0.003	0.264	0.016	58.238	TRUE	8.79E-14
PEF	CAPZB	cg26824678	rs189179003	T	C	-1.001	0.099	0.018	6.50E-24	0.008	0.009	0.398	0.027	101.634	TRUE	4.41E-23
PEF	CAPZB	cg26824678	rs214344	A	C	-0.333	0.027	0.226	8.47E-35	0.008	0.003	0.010	0.039	151.340	TRUE	1.35E-32
PEF	CAPZB	cg26824678	rs2314331	A	G	-0.300	0.028	0.215	6.84E-27	0.005	0.003	0.136	0.030	115.217	TRUE	1.21E-25
PEF	CAPZB	cg26824678	rs2473807	C	T	0.261	0.025	0.316	3.25E-25	-0.008	0.003	0.003	0.028	107.564	TRUE	2.19E-23

PEF	CAPZB	cg26824678	rs28437983	A	C	-0.225	0.024	0.367	6.49E-21	0.011	0.003	1.77E-05	0.023	87.968	TRUE	9.23E-19
PEF	CAPZB	cg26824678	rs3790776	C	T	-1.080	0.020	0.253	<1E-200	0.008	0.003	0.004	0.443	2945.622	TRUE	<1E-200
PEF	CAPZB	cg26824678	rs4912059	T	G	0.228	0.033	0.152	4.33E-12	0.003	0.003	0.469	0.013	47.945	TRUE	1.08E-11
PEF	CAPZB	cg26824678	rs60523880	A	C	0.262	0.038	0.103	3.39E-12	0.001	0.004	0.871	0.013	48.424	TRUE	5.67E-12
PEF	CAPZB	cg26824678	rs61765106	T	G	-0.239	0.030	0.180	5.56E-16	0.006	0.003	0.064	0.017	65.553	TRUE	4.58E-15
PEF	CAPZB	cg26824678	rs61766782	T	C	-0.828	0.089	0.015	1.88E-20	0.013	0.009	0.151	0.023	85.868	TRUE	1.67E-19
PEF	CAPZB	cg26824678	rs6703356	A	G	0.296	0.032	0.402	6.58E-20	-0.012	0.003	3.55E-06	0.022	83.390	TRUE	9.72E-18
PEF	CAPZB	cg26824678	rs71645448	A	T	-1.011	0.085	0.018	1.32E-32	0.016	0.009	0.070	0.037	141.315	TRUE	6.31E-31
PEF	CAPZB	cg26824678	rs7411577	A	C	-0.495	0.084	0.017	3.69E-09	-0.004	0.009	0.633	0.009	34.763	TRUE	6.43E-09
PEF	CAPZB	cg26824678	rs7543747	T	C	0.373	0.032	0.164	3.70E-31	-0.016	0.004	1.31E-05	0.035	134.702	TRUE	2.86E-28
PEF	CAPZB	cg26824678	rs78475593	A	G	-0.805	0.077	0.024	1.08E-25	0.004	0.007	0.615	0.029	109.754	TRUE	5.95E-25
PEF	CAPZB	cg26824678	rs79713050	T	C	-0.611	0.063	0.041	1.57E-22	0.005	0.007	0.462	0.025	95.335	TRUE	8.49E-22
PEF	CASP9	cg05660106	rs1006147	C	T	-0.412	0.024	0.371	1.13E-66	0.002	0.003	0.348	0.074	297.378	TRUE	1.38E-63
PEF	CASP9	cg05660106	rs10803400	T	C	-0.243	0.030	0.198	5.80E-16	-0.005	0.003	0.111	0.017	65.469	TRUE	3.85E-15
PEF	CASP9	cg05660106	rs12091731	T	C	0.438	0.030	0.173	7.25E-47	0.008	0.003	0.028	0.053	206.577	TRUE	3.74E-44
PEF	CASP9	cg05660106	rs146916007	T	C	1.036	0.087	0.020	9.23E-33	0.002	0.008	0.812	0.037	142.027	TRUE	6.82E-32
PEF	CASP9	cg05660106	rs1737344	G	A	0.161	0.025	0.343	5.82E-11	-0.002	0.003	0.575	0.011	42.856	TRUE	1.19E-10
PEF	CASP9	cg05660106	rs1827281	T	C	0.502	0.066	0.033	2.04E-14	0.000	0.007	0.972	0.016	58.466	TRUE	3.44E-14
PEF	CASP9	cg05660106	rs2308950	T	C	0.985	0.094	0.015	1.85E-25	0.007	0.011	0.528	0.029	108.679	TRUE	1.14E-24
PEF	CASP9	cg05660106	rs2496322	C	G	0.167	0.026	0.286	1.28E-10	-0.001	0.003	0.714	0.011	41.322	TRUE	2.23E-10
PEF	CASP9	cg05660106	rs2549316	G	A	0.261	0.023	0.454	1.24E-29	0.002	0.003	0.546	0.033	127.740	TRUE	1.06E-28
PEF	CASP9	cg05660106	rs3753326	G	A	1.130	0.024	0.171	<1E-200	0.005	0.003	0.156	0.378	2251.614	TRUE	<1E-200
PEF	CASP9	cg05660106	rs41393951	A	G	0.289	0.029	0.208	8.42E-24	0.003	0.003	0.281	0.027	101.121	TRUE	7.10E-23
PEF	CASP9	cg05660106	rs74526023	A	G	0.375	0.054	0.050	3.50E-12	-0.004	0.006	0.565	0.013	48.359	TRUE	7.83E-12
PEF	CASP9	cg05660106	rs7556116	A	G	-0.272	0.032	0.176	1.06E-17	0.003	0.003	0.416	0.019	73.353	TRUE	4.16E-17
PEF	CASP9	cg05660106	rs75598696	G	A	1.040	0.100	0.025	1.53E-25	0.004	0.007	0.590	0.029	109.063	TRUE	8.63E-25
PEF	CASP9	cg05660106	rs76368983	T	C	0.217	0.038	0.106	1.15E-08	0.003	0.004	0.473	0.009	32.558	TRUE	2.25E-08
PEF	CASP9	cg05660106	rs77808099	T	C	1.114	0.073	0.028	6.33E-53	0.001	0.007	0.890	0.060	234.340	TRUE	3.22E-51
PEF	CASP9	cg11404049	rs1052576	T	C	0.498	0.023	0.473	2.60E-106	0.001	0.003	0.794	0.115	479.351	TRUE	1.11E-100
PEF	CASP9	cg11404049	rs10927844	A	G	0.193	0.027	0.253	1.15E-12	0.008	0.003	0.014	0.013	50.545	TRUE	1.07E-11
PEF	CASP9	cg11404049	rs1240337	A	C	0.287	0.042	0.084	7.08E-12	0.004	0.005	0.343	0.013	46.980	TRUE	2.03E-11
PEF	CASP9	cg11404049	rs3815792	G	A	-0.137	0.025	0.327	4.22E-08	0.003	0.003	0.195	0.008	30.031	TRUE	1.11E-07
PEF	CASP9	cg11404049	rs61782444	G	A	-0.273	0.043	0.086	3.32E-10	0.008	0.005	0.080	0.011	39.454	TRUE	1.41E-09
PEF	CASP9	cg11404049	rs6659108	T	C	0.280	0.044	0.078	1.40E-10	-0.006	0.005	0.236	0.011	41.139	TRUE	4.25E-10
PEF	CASP9	cg11404049	rs74054785	T	G	-0.312	0.047	0.062	4.14E-11	0.005	0.005	0.312	0.012	43.524	TRUE	1.15E-10
PEF	CASP9	cg11404049	rs7663	G	A	-0.168	0.024	0.469	1.07E-12	-0.002	0.003	0.426	0.014	50.680	TRUE	2.91E-12
PEF	CASP9	cg11404049	rs79412974	A	T	-0.222	0.040	0.091	4.07E-08	0.006	0.005	0.155	0.008	30.102	TRUE	1.14E-07
PEF	CASP9	cg14078231	rs116046573	C	T	0.626	0.107	0.022	4.91E-09	0.000	0.009	0.965	0.009	34.206	TRUE	6.51E-09
PEF	CASP9	cg14078231	rs12732044	T	C	-0.161	0.026	0.263	6.29E-10	-0.007	0.003	0.024	0.010	38.209	TRUE	3.50E-09
PEF	CASP9	cg14078231	rs41393951	A	G	0.159	0.028	0.208	2.12E-08	0.003	0.003	0.281	0.008	31.362	TRUE	4.97E-08
PEF	CASP9	cg14078231	rs4645983	A	G	0.579	0.027	0.207	3.67E-100	0.007	0.003	0.026	0.109	451.108	TRUE	3.00E-93
PEF	CASP9	cg14078231	rs72645839	C	T	0.571	0.096	0.013	2.86E-09	0.005	0.011	0.620	0.009	35.255	TRUE	5.07E-09

PEF	CASP9	cg14078231	rs75598696	G	A	0.690	0.098	0.025	1.72E-12	0.004	0.007	0.590	0.013	49.754	TRUE	3.81E-12
PEF	CAV1	cg01265597	rs2742125	T	C	0.264	0.032	0.165	7.53E-17	-0.007	0.004	0.040	0.018	69.491	TRUE	8.07E-16
PEF	CAV1	cg01971483	rs56014347	T	C	0.553	0.042	0.076	3.40E-39	0.010	0.005	0.035	0.044	171.455	TRUE	5.42E-37
PEF	CAV1	cg04474049	rs2742125	T	C	0.513	0.032	0.165	3.08E-59	-0.007	0.004	0.040	0.066	263.281	TRUE	8.01E-56
PEF	CAV1	cg04474049	rs7788470	C	T	0.165	0.024	0.381	4.45E-12	0.000	0.003	0.871	0.013	47.891	TRUE	7.28E-12
PEF	CAV1	cg05232628	rs4604369	T	G	-0.161	0.023	0.454	5.76E-12	-0.001	0.003	0.793	0.013	47.385	TRUE	1.03E-11
PEF	CAV1	cg05232628	rs9920	C	T	-0.762	0.038	0.097	8.74E-88	0.005	0.004	0.269	0.096	394.271	TRUE	5.36E-83
PEF	CAV1	cg05917273	rs10241283	G	A	-1.054	0.022	0.213	<1E-200	0.004	0.003	0.203	0.377	2236.723	TRUE	<1E-200
PEF	CAV1	cg05917273	rs117002347	G	A	0.297	0.042	0.166	1.37E-12	-0.010	0.003	0.003	0.013	50.200	TRUE	1.72E-11
PEF	CAV1	cg05917273	rs117052851	T	A	0.465	0.080	0.049	7.18E-09	0.008	0.006	0.175	0.009	33.467	TRUE	2.09E-08
PEF	CAV1	cg05917273	rs117315991	C	G	0.466	0.075	0.029	6.32E-10	-0.002	0.006	0.766	0.010	38.200	TRUE	1.03E-09
PEF	CAV1	cg05917273	rs1180297	T	C	0.306	0.031	0.181	5.06E-23	-0.002	0.003	0.462	0.026	97.570	TRUE	2.83E-22
PEF	CAV1	cg05917273	rs13240764	C	T	-0.151	0.024	0.420	2.10E-10	0.003	0.003	0.232	0.011	40.353	TRUE	6.27E-10
PEF	CAV1	cg05917273	rs146410097	C	T	-1.035	0.104	0.014	3.66E-23	-0.019	0.011	0.087	0.026	98.214	TRUE	5.57E-22
PEF	CAV1	cg05917273	rs3807986	G	A	0.571	0.027	0.233	7.69E-98	-0.003	0.003	0.276	0.106	440.443	TRUE	3.14E-92
PEF	CAV1	cg05917273	rs61227992	G	A	0.209	0.028	0.219	6.03E-14	0.002	0.003	0.609	0.015	56.332	TRUE	1.46E-13
PEF	CAV1	cg05917273	rs62475241	T	C	-0.473	0.047	0.064	6.73E-24	0.004	0.005	0.391	0.027	101.565	TRUE	4.61E-23
PEF	CAV1	cg05917273	rs6955882	T	C	-1.198	0.089	0.017	2.54E-41	0.008	0.009	0.398	0.047	181.184	TRUE	9.59E-40
PEF	CAV1	cg05917273	rs6965181	A	G	-0.208	0.023	0.481	5.27E-19	-0.001	0.003	0.580	0.021	79.283	TRUE	1.84E-18
PEF	CAV1	cg05917273	rs73203902	A	C	-0.249	0.039	0.103	2.21E-10	-0.010	0.004	0.013	0.011	40.254	TRUE	1.51E-09
PEF	CAV1	cg05917273	rs73208115	G	A	-1.086	0.104	0.023	2.10E-25	-0.011	0.009	0.190	0.028	108.427	TRUE	2.65E-24
PEF	CAV1	cg05917273	rs73471162	T	G	-0.532	0.082	0.023	7.69E-11	-0.015	0.009	0.091	0.011	42.312	TRUE	3.31E-10
PEF	CAV1	cg05917273	rs76819239	G	A	-1.111	0.078	0.024	1.57E-46	0.016	0.009	0.065	0.053	205.034	TRUE	4.58E-44
PEF	CAV1	cg05917273	rs77308085	A	G	-1.112	0.072	0.027	8.56E-54	0.013	0.008	0.126	0.061	238.322	TRUE	4.24E-51
PEF	CAV1	cg05917273	rs77772587	G	A	-0.505	0.068	0.031	7.63E-14	0.009	0.007	0.174	0.015	55.870	TRUE	3.44E-13
PEF	CAV1	cg07838272	rs3807986	G	A	0.182	0.028	0.233	4.98E-11	-0.003	0.003	0.276	0.012	43.161	TRUE	1.44E-10
PEF	CAV1	cg07838272	rs926198	C	T	0.134	0.024	0.351	3.69E-08	-0.005	0.003	0.079	0.008	30.291	TRUE	1.24E-07
PEF	CAV1	cg17469978	rs3807986	G	A	0.172	0.028	0.233	6.12E-10	-0.003	0.003	0.276	0.010	38.263	TRUE	1.62E-09
PEF	CAV1	cg17469978	rs926198	C	T	0.138	0.025	0.351	2.03E-08	-0.005	0.003	0.079	0.008	31.446	TRUE	7.04E-08
PEF	CAV1	cg20897119	rs1883049	G	C	0.272	0.032	0.163	9.90E-18	-0.005	0.004	0.144	0.019	73.492	TRUE	6.94E-17
PEF	CAV1	cg24770985	rs77650741	T	G	0.687	0.111	0.028	6.89E-10	0.012	0.008	0.151	0.010	38.031	TRUE	2.31E-09
PEF	CBL	cg22414151	rs11243	G	A	-0.800	0.058	0.043	1.15E-43	0.013	0.006	0.031	0.049	191.927	TRUE	3.55E-41
PEF	CD164	cg08222271	rs6920962	T	A	-0.270	0.026	0.370	7.95E-25	-0.010	0.003	2.44E-04	0.028	105.795	TRUE	1.11E-22
PEF	CD164	cg09416154	rs1832777	T	G	0.198	0.025	0.472	5.37E-15	-0.003	0.003	0.211	0.016	61.087	TRUE	2.43E-14
PEF	CD164	cg09416154	rs36099706	C	A	-0.233	0.027	0.338	5.03E-18	-0.011	0.003	4.07E-05	0.020	74.827	TRUE	3.49E-16
PEF	CD164	cg12940558	rs12204742	A	G	0.880	0.070	0.033	1.60E-36	-0.003	0.007	0.657	0.041	159.226	TRUE	2.15E-35
PEF	CD38	cg11207385	rs7674301	A	C	0.161	0.028	0.224	6.38E-09	0.003	0.003	0.353	0.009	33.698	TRUE	1.44E-08
PEF	CD38	cg12580743	rs10939634	G	A	0.219	0.023	0.483	1.07E-21	-0.003	0.003	0.268	0.024	91.536	TRUE	7.88E-21
PEF	CD38	cg12580743	rs13353624	A	G	0.405	0.063	0.037	1.78E-10	-0.004	0.007	0.600	0.011	40.671	TRUE	3.46E-10
PEF	CD38	cg12580743	rs3900588	C	G	0.257	0.034	0.136	1.60E-14	-0.001	0.004	0.766	0.016	58.940	TRUE	3.36E-14
PEF	CD38	cg12580743	rs7654487	A	G	0.136	0.024	0.362	2.30E-08	0.002	0.003	0.564	0.008	31.205	TRUE	4.05E-08
PEF	CD38	cg20931972	rs13434425	C	T	0.583	0.073	0.026	1.26E-15	-0.020	0.007	0.006	0.017	63.945	TRUE	2.02E-14

PEF	CD38	cg20931972	rs4396987	A	C	0.152	0.026	0.292	3.97E-09	0.000	0.003	0.888	0.009	34.622	TRUE	5.62E-09
PEF	CD38	cg20931972	rs6841880	A	T	-0.178	0.026	0.285	4.52E-12	-0.003	0.003	0.331	0.013	47.859	TRUE	1.32E-11
PEF	CD3E	cg08956138	rs28423005	T	C	0.277	0.024	0.340	8.25E-30	0.003	0.003	0.295	0.034	128.540	TRUE	1.19E-28
PEF	CD3E	cg08956138	rs502514	C	T	-0.140	0.025	0.307	2.98E-08	0.001	0.003	0.649	0.008	30.706	TRUE	4.82E-08
PEF	CD3E	cg18085869	rs17613576	T	G	-0.241	0.037	0.110	1.14E-10	-0.006	0.004	0.122	0.011	41.535	TRUE	4.35E-10
PEF	CD3E	cg18085869	rs3759000	C	T	-0.202	0.027	0.241	1.11E-13	-0.006	0.003	0.034	0.015	55.137	TRUE	8.89E-13
PEF	CD3E	cg27354586	rs11216819	G	A	-0.205	0.024	0.444	3.54E-18	-0.003	0.003	0.242	0.020	75.522	TRUE	2.06E-17
PEF	CD3E	cg27354586	rs12273260	T	C	-0.449	0.075	0.026	1.77E-09	0.011	0.008	0.141	0.010	36.187	TRUE	5.81E-09
PEF	CD3E	cg27354586	rs12419365	A	C	0.326	0.039	0.104	1.12E-16	-0.004	0.004	0.324	0.018	68.706	TRUE	4.74E-16
PEF	CD3E	cg27354586	rs12798851	G	T	0.249	0.035	0.136	1.38E-12	-0.001	0.004	0.734	0.013	50.187	TRUE	2.68E-12
PEF	CD3E	cg27354586	rs1599810	A	G	-0.726	0.023	0.341	1.07E-214	0.000	0.003	0.984	0.209	977.494	TRUE	6.06E-196
PEF	CD3E	cg27354586	rs3132893	A	C	0.220	0.036	0.127	1.18E-09	-0.009	0.004	0.014	0.010	36.990	TRUE	7.29E-09
PEF	CD3E	cg27354586	rs374689492	A	G	0.271	0.025	0.333	3.70E-27	0.003	0.003	0.217	0.031	116.432	TRUE	5.02E-26
PEF	CD3E	cg27354586	rs615144	A	C	-0.240	0.023	0.490	1.54E-24	-0.003	0.003	0.327	0.027	104.487	TRUE	1.30E-23
PEF	CD3E	cg27354586	rs627995	T	C	-0.482	0.047	0.074	1.39E-24	-0.003	0.005	0.559	0.028	104.681	TRUE	7.70E-24
PEF	CD44	cg13369159	rs4756196	G	A	0.142	0.024	0.497	1.57E-09	0.000	0.003	0.874	0.010	36.429	TRUE	2.28E-09
PEF	CD44	cg14082886	rs353584	A	T	0.169	0.024	0.378	2.16E-12	-0.003	0.003	0.208	0.013	49.308	TRUE	8.05E-12
PEF	CD44	cg14082886	rs663993	A	G	-0.286	0.030	0.187	1.86E-21	-0.005	0.003	0.154	0.024	90.446	TRUE	1.82E-20
PEF	CD44	cg16344511	rs11033028	T	C	0.223	0.026	0.290	3.48E-18	0.000	0.003	0.959	0.020	75.556	TRUE	7.17E-18
PEF	CD44	cg16344511	rs2236272	C	T	0.215	0.029	0.208	6.36E-14	-0.010	0.003	0.002	0.015	56.228	TRUE	1.08E-12
PEF	CD44	cg16344511	rs353633	A	G	-0.145	0.025	0.307	1.04E-08	0.003	0.003	0.241	0.009	32.748	TRUE	2.67E-08
PEF	CD44	cg16344511	rs7120564	A	G	0.145	0.024	0.468	8.65E-10	-0.003	0.003	0.283	0.010	37.588	TRUE	2.28E-09
PEF	CD44	cg16344511	rs77030418	T	C	-0.264	0.037	0.101	1.83E-12	0.005	0.004	0.206	0.013	49.630	TRUE	6.90E-12
PEF	CD44	cg16344511	rs7934466	G	C	-0.157	0.024	0.368	9.50E-11	0.003	0.003	0.212	0.011	41.899	TRUE	3.08E-10
PEF	CD44	cg16344511	rs9666607	A	G	-0.422	0.025	0.333	9.92E-66	0.006	0.003	0.030	0.073	293.055	TRUE	8.61E-62
PEF	CD44	cg20143092	rs12365962	A	G	-0.199	0.029	0.199	7.18E-12	0.000	0.003	0.977	0.013	46.952	TRUE	1.07E-11
PEF	CD68	cg21808406	rs12942088	C	T	-0.177	0.024	0.386	1.82E-13	0.007	0.003	0.006	0.014	54.160	TRUE	2.28E-12
PEF	CD70	cg22633597	rs10425142	A	G	0.260	0.031	0.179	3.63E-17	0.004	0.003	0.286	0.019	70.929	TRUE	1.76E-16
PEF	CD70	cg22633597	rs12971302	C	T	-0.460	0.025	0.314	6.21E-77	-0.008	0.003	0.004	0.085	344.460	TRUE	1.62E-71
PEF	CD70	cg22633597	rs344590	T	C	-0.319	0.045	0.148	8.88E-13	0.005	0.004	0.216	0.014	51.049	TRUE	3.30E-12
PEF	CD70	cg22633597	rs685587	A	G	0.277	0.033	0.389	5.97E-17	0.004	0.003	0.140	0.019	69.950	TRUE	4.03E-16
PEF	CD70	cg26737640	rs112136162	A	G	-0.267	0.024	0.430	1.38E-29	0.003	0.003	0.275	0.033	127.528	TRUE	2.13E-28
PEF	CD70	cg26737640	rs411204	C	G	0.220	0.039	0.121	2.39E-08	0.003	0.004	0.470	0.008	31.132	TRUE	4.58E-08
PEF	CDKN2D	cg04833646	rs10409578	T	C	-0.205	0.034	0.144	1.10E-09	0.002	0.004	0.683	0.010	37.126	TRUE	1.89E-09
PEF	CDKN2D	cg04833646	rs10416139	T	C	-0.281	0.037	0.245	1.45E-14	0.004	0.003	0.219	0.016	59.140	TRUE	6.33E-14
PEF	CDKN2D	cg04833646	rs11085760	C	T	0.590	0.105	0.012	1.84E-08	-0.014	0.012	0.232	0.008	31.637	TRUE	4.69E-08
PEF	CDKN2D	cg04833646	rs12973986	G	A	-0.184	0.028	0.205	9.59E-11	-0.001	0.003	0.842	0.011	41.881	TRUE	1.51E-10
PEF	CDKN2D	cg04833646	rs12978228	T	G	1.010	0.028	0.188	9.14E-280	-0.011	0.003	4.81E-04	0.257	1276.725	TRUE	1.54E-244
PEF	CDKN2D	cg04833646	rs12985460	A	T	0.169	0.029	0.209	3.32E-09	-0.004	0.003	0.226	0.009	34.965	TRUE	8.99E-09
PEF	CDKN2D	cg04833646	rs139437835	A	C	0.604	0.107	0.012	1.48E-08	-0.004	0.011	0.752	0.009	32.067	TRUE	2.26E-08
PEF	CDKN2D	cg04833646	rs2278442	G	A	-0.145	0.024	0.362	1.96E-09	0.005	0.003	0.072	0.010	35.989	TRUE	7.89E-09
PEF	CDKN2D	cg04833646	rs45518133	T	C	0.894	0.104	0.014	8.44E-18	0.004	0.011	0.712	0.020	73.808	TRUE	2.29E-17

PEF	CDKN2D	cg04833646	rs4804520	C	T	-0.240	0.024	0.443	1.20E-23	0.010	0.003	1.04E-04	0.026	100.419	TRUE	1.83E-21
PEF	CDKN2D	cg04833646	rs62131901	C	A	0.860	0.087	0.017	7.42E-23	-0.037	0.008	5.89E-06	0.026	96.814	TRUE	1.75E-20
PEF	CDKN2D	cg04833646	rs6511703	C	T	-0.207	0.027	0.240	2.51E-14	0.003	0.003	0.301	0.015	58.055	TRUE	9.21E-14
PEF	CDKN2D	cg04833646	rs73013176	C	T	0.579	0.104	0.013	2.50E-08	-0.004	0.012	0.722	0.008	31.046	TRUE	3.86E-08
PEF	CDKN2D	cg04833646	rs74179931	T	C	0.219	0.028	0.283	8.22E-15	-0.004	0.003	0.154	0.016	60.248	TRUE	4.29E-14
PEF	CDKN2D	cg08312369	rs8105074	C	T	-0.179	0.030	0.180	4.11E-09	-0.009	0.003	0.005	0.009	34.550	TRUE	2.90E-08
PEF	CFLAR	cg08267148	rs10192461	A	G	0.233	0.038	0.090	8.49E-10	0.000	0.004	0.988	0.010	37.623	TRUE	1.15E-09
PEF	CFLAR	cg08267148	rs115353050	T	C	-0.250	0.042	0.081	2.93E-09	0.004	0.005	0.441	0.009	35.213	TRUE	6.18E-09
PEF	CFLAR	cg08267148	rs12620010	G	T	-0.130	0.024	0.494	2.97E-08	0.003	0.003	0.199	0.008	30.711	TRUE	7.78E-08
PEF	CFLAR	cg08267148	rs6755945	A	T	0.198	0.030	0.168	7.37E-11	-0.006	0.003	0.076	0.011	42.396	TRUE	3.40E-10
PEF	CFLAR	cg13311930	rs67917463	T	C	-0.181	0.029	0.215	3.20E-10	0.001	0.003	0.728	0.011	39.529	TRUE	5.46E-10
PEF	CFLAR	cg13368983	rs1002414	T	G	-0.180	0.026	0.278	6.51E-12	0.004	0.003	0.163	0.013	47.144	TRUE	2.61E-11
PEF	CFLAR	cg13368983	rs12613347	T	C	-0.217	0.028	0.230	2.08E-14	-0.004	0.003	0.174	0.016	58.427	TRUE	9.95E-14
PEF	CFLAR	cg13368983	rs12620435	G	A	1.473	0.032	0.099	<1E-200	0.003	0.004	0.549	0.360	2078.371	TRUE	<1E-200
PEF	CFLAR	cg13368983	rs12987876	A	G	-0.228	0.041	0.170	3.12E-08	0.001	0.004	0.854	0.008	30.617	TRUE	4.30E-08
PEF	CFLAR	cg13368983	rs13029511	T	C	0.334	0.024	0.363	3.38E-43	0.002	0.003	0.434	0.049	189.777	TRUE	1.50E-41
PEF	CFLAR	cg13368983	rs13420006	G	T	0.154	0.024	0.373	3.38E-10	-0.004	0.003	0.174	0.011	39.423	TRUE	1.09E-09
PEF	CFLAR	cg13368983	rs150638321	A	G	-0.915	0.092	0.017	2.78E-23	-0.024	0.010	0.015	0.026	98.756	TRUE	8.91E-22
PEF	CFLAR	cg13368983	rs16835334	C	G	0.393	0.063	0.033	4.31E-10	0.006	0.007	0.380	0.010	38.947	TRUE	1.02E-09
PEF	CFLAR	cg13368983	rs188535859	T	C	1.121	0.143	0.013	5.19E-15	0.005	0.010	0.598	0.016	61.155	TRUE	1.34E-14
PEF	CFLAR	cg13368983	rs2348117	G	T	0.560	0.038	0.108	1.64E-49	0.004	0.004	0.319	0.056	218.695	TRUE	2.06E-47
PEF	CFLAR	cg13368983	rs2348128	A	G	0.533	0.038	0.105	2.71E-44	0.002	0.004	0.730	0.050	194.794	TRUE	7.19E-43
PEF	CFLAR	cg13368983	rs542974956	T	G	1.121	0.087	0.016	5.20E-38	-0.002	0.009	0.855	0.043	166.034	TRUE	5.69E-37
PEF	CFLAR	cg13368983	rs55902839	A	C	-0.152	0.024	0.463	1.28E-10	0.000	0.003	0.896	0.011	41.322	TRUE	1.90E-10
PEF	CFLAR	cg13368983	rs6743474	T	C	0.139	0.024	0.426	6.45E-09	0.001	0.003	0.755	0.009	33.677	TRUE	9.97E-09
PEF	CFLAR	cg13368983	rs79053638	C	T	1.140	0.052	0.052	1.44E-104	0.003	0.006	0.656	0.113	471.337	TRUE	6.07E-99
PEF	CFLAR	cg14151166	rs74764677	G	A	0.369	0.065	0.032	1.71E-08	-0.001	0.007	0.888	0.009	31.778	TRUE	2.35E-08
PEF	CFLAR	cg23681745	rs12465952	G	A	-0.189	0.029	0.193	1.25E-10	0.005	0.003	0.152	0.011	41.365	TRUE	4.47E-10
PEF	CFLAR	cg25051278	rs13408294	G	C	-0.227	0.040	0.098	1.27E-08	0.000	0.004	0.949	0.009	32.354	TRUE	1.68E-08
PEF	CFLAR	cg25051278	rs150638321	A	G	1.317	0.090	0.017	8.16E-49	-0.024	0.010	0.015	0.055	215.504	TRUE	7.86E-46
PEF	CFLAR	cg25051278	rs41359253	A	G	0.159	0.029	0.212	2.91E-08	-0.005	0.003	0.111	0.008	30.750	TRUE	9.22E-08
PEF	CFLAR	cg25051278	rs6712963	A	G	-0.236	0.032	0.150	3.65E-13	0.004	0.004	0.306	0.014	52.796	TRUE	1.22E-12
PEF	CHAD	cg05180443	rs117783823	G	A	0.226	0.033	0.151	1.22E-11	0.003	0.003	0.446	0.012	45.919	TRUE	2.99E-11
PEF	CHAD	cg05180443	rs2277629	G	A	-0.250	0.026	0.293	5.02E-22	0.008	0.003	0.006	0.025	93.030	TRUE	1.80E-20
PEF	CHAD	cg06818777	rs117262720	A	G	-0.274	0.042	0.082	6.20E-11	0.005	0.004	0.208	0.011	42.734	TRUE	2.03E-10
PEF	CHAD	cg06818777	rs117783823	G	A	0.334	0.033	0.151	9.95E-24	0.003	0.003	0.446	0.027	100.790	TRUE	6.13E-23
PEF	CHAD	cg06818777	rs2277629	G	A	-0.359	0.026	0.293	3.38E-44	0.008	0.003	0.006	0.050	194.351	TRUE	2.45E-41
PEF	CHAD	cg06818777	rs79416314	G	A	0.319	0.046	0.066	5.11E-12	0.013	0.005	0.009	0.013	47.620	TRUE	4.65E-11
PEF	CHAD	cg10421979	rs112828746	T	C	0.273	0.047	0.065	4.72E-09	0.013	0.005	0.009	0.009	34.281	TRUE	2.94E-08
PEF	CHAD	cg10421979	rs11656959	A	G	-0.276	0.026	0.299	3.29E-27	0.008	0.003	0.006	0.031	116.667	TRUE	2.21E-25
PEF	CHAD	cg13764778	rs9896780	T	C	-0.151	0.026	0.296	4.42E-09	0.008	0.003	0.004	0.009	34.410	TRUE	3.32E-08
PEF	CHAD	cg15880760	rs2277631	A	C	-0.251	0.026	0.292	2.88E-22	0.008	0.003	0.006	0.025	94.130	TRUE	1.07E-20

PEF	CHAD	cg19046826	rs11656959	A	G	-0.269	0.026	0.299	9.28E-26	0.008	0.003	0.006	0.029	110.048	TRUE	5.17E-24
PEF	CHAD	cg19046826	rs59955118	T	A	0.193	0.034	0.146	1.18E-08	-0.003	0.004	0.349	0.009	32.509	TRUE	2.62E-08
PEF	CHAD	cg19046826	rs6504663	G	A	0.168	0.029	0.231	6.39E-09	0.003	0.003	0.385	0.009	33.694	TRUE	1.39E-08
PEF	CHAD	cg19961043	rs117783823	G	A	0.229	0.033	0.151	6.33E-12	0.003	0.003	0.446	0.013	47.200	TRUE	1.59E-11
PEF	CHAD	cg19961043	rs2277631	A	C	-0.273	0.026	0.292	5.35E-26	0.008	0.003	0.006	0.029	111.141	TRUE	3.19E-24
PEF	CHAD	cg19961043	rs79416314	G	A	0.259	0.046	0.066	2.18E-08	0.013	0.005	0.009	0.008	31.311	TRUE	1.22E-07
PEF	CHAD	cg22627841	rs112828746	T	C	0.272	0.047	0.065	5.37E-09	0.013	0.005	0.009	0.009	34.033	TRUE	3.31E-08
PEF	CHAD	cg22627841	rs2277631	A	C	-0.271	0.026	0.292	1.39E-25	0.008	0.003	0.006	0.029	109.253	TRUE	7.84E-24
PEF	CHGA	cg00813752	rs1740593	A	G	-0.187	0.026	0.290	3.49E-13	0.007	0.003	0.008	0.014	52.883	TRUE	3.83E-12
PEF	CHGA	cg00813752	rs4905009	T	A	-0.522	0.028	0.230	5.42E-80	0.008	0.003	0.005	0.088	358.501	TRUE	2.03E-74
PEF	CHGA	cg00813752	rs76864329	A	G	-0.385	0.069	0.029	2.11E-08	0.005	0.007	0.524	0.008	31.369	TRUE	3.86E-08
PEF	CHGA	cg00813752	rs9658638	T	C	0.244	0.032	0.163	1.40E-14	-0.005	0.003	0.159	0.016	59.196	TRUE	7.08E-14
PEF	CHGA	cg01901466	rs2402224	T	C	0.192	0.024	0.491	3.74E-16	-0.004	0.003	0.101	0.018	66.332	TRUE	2.63E-15
PEF	CHGA	cg02327501	rs140723329	A	G	0.312	0.053	0.046	5.17E-09	0.003	0.006	0.610	0.009	34.106	TRUE	9.08E-09
PEF	CHGA	cg02327501	rs750678	G	A	-0.168	0.024	0.370	3.37E-12	-0.004	0.003	0.130	0.013	48.433	TRUE	1.50E-11
PEF	CHGA	cg02327501	rs9658638	T	C	0.316	0.031	0.163	3.25E-24	-0.005	0.003	0.159	0.027	103.005	TRUE	4.07E-23
PEF	CHGA	cg10166151	rs2402224	T	C	0.246	0.023	0.491	4.55E-26	-0.004	0.003	0.101	0.029	111.459	TRUE	8.76E-25
PEF	CHGA	cg15480367	rs2295396	C	T	-0.158	0.028	0.232	1.02E-08	-0.005	0.003	0.097	0.009	32.793	TRUE	3.48E-08
PEF	CHGA	cg16290737	rs11160097	T	C	0.183	0.031	0.190	2.07E-09	-0.012	0.003	3.21E-04	0.010	35.890	TRUE	2.51E-08
PEF	CHGA	cg16290737	rs1740593	A	G	-0.183	0.026	0.290	1.13E-12	0.007	0.003	0.008	0.013	50.578	TRUE	1.16E-11
PEF	CHGA	cg16290737	rs45585434	T	C	0.280	0.045	0.074	3.47E-10	0.004	0.005	0.437	0.011	39.370	TRUE	7.70E-10
PEF	CHGA	cg16290737	rs4905009	T	A	-0.663	0.027	0.230	2.00E-131	0.008	0.003	0.005	0.139	594.723	TRUE	1.12E-120
PEF	CHGA	cg16290737	rs9658638	T	C	0.308	0.032	0.163	2.41E-22	-0.005	0.003	0.159	0.025	94.480	TRUE	2.52E-21
PEF	CHGA	cg18397726	rs12436684	G	C	-0.182	0.031	0.187	7.21E-09	-0.001	0.003	0.864	0.009	33.458	TRUE	1.04E-08
PEF	CHGA	cg18397726	rs144938064	A	G	-2.190	0.132	0.017	2.86E-62	-0.005	0.009	0.554	0.070	277.181	TRUE	1.02E-59
PEF	CHGA	cg18397726	rs79701852	A	G	-0.450	0.080	0.022	2.09E-08	0.001	0.008	0.933	0.008	31.395	TRUE	2.76E-08
PEF	CHGA	cg23013853	rs11160097	T	C	0.236	0.030	0.190	9.27E-15	-0.012	0.003	3.21E-04	0.016	60.013	TRUE	2.72E-13
PEF	CHGA	cg23013853	rs114869373	C	T	0.370	0.028	0.231	1.39E-40	-0.005	0.003	0.128	0.046	177.803	TRUE	1.17E-38
PEF	CHGA	cg23013853	rs1740593	A	G	-0.239	0.026	0.290	1.28E-20	0.007	0.003	0.008	0.023	86.621	TRUE	3.60E-19
PEF	CHGA	cg23013853	rs2281516	C	T	0.196	0.025	0.319	7.39E-15	0.004	0.003	0.197	0.016	60.458	TRUE	3.49E-14
PEF	CHGA	cg23013853	rs36071367	C	G	0.190	0.029	0.215	3.87E-11	-0.001	0.003	0.865	0.012	43.656	TRUE	6.08E-11
PEF	CHGA	cg23013853	rs7159323	A	C	-0.713	0.027	0.228	1.09E-152	0.008	0.003	0.006	0.158	692.440	TRUE	1.89E-139
PEF	CHGA	cg23013853	rs77927883	G	C	-0.499	0.060	0.042	1.05E-16	0.000	0.006	0.944	0.018	68.843	TRUE	2.03E-16
PEF	CHGA	cg23013853	rs941541	A	G	-0.293	0.053	0.046	3.37E-08	0.006	0.005	0.242	0.008	30.465	TRUE	8.25E-08
PEF	CHMP4B	cg03355213	rs11696793	T	C	-0.190	0.026	0.258	5.47E-13	0.006	0.003	0.031	0.014	52.000	TRUE	4.29E-12
PEF	CHMP4B	cg03355213	rs117119427	T	C	-0.389	0.040	0.081	1.68E-22	0.009	0.004	0.031	0.025	95.200	TRUE	3.83E-21
PEF	CHMP4B	cg03355213	rs117515689	T	C	0.488	0.077	0.024	2.64E-10	0.013	0.008	0.112	0.011	39.902	TRUE	1.02E-09
PEF	CHMP4B	cg03355213	rs12625272	G	C	0.256	0.041	0.093	3.30E-10	0.000	0.005	0.965	0.011	39.468	TRUE	4.59E-10
PEF	CHMP4B	cg03355213	rs13042412	G	A	0.476	0.052	0.056	1.28E-19	-0.002	0.006	0.719	0.022	82.075	TRUE	3.88E-19
PEF	CHMP4B	cg03355213	rs13044031	C	A	-0.328	0.051	0.055	1.50E-10	0.001	0.006	0.903	0.011	41.009	TRUE	2.24E-10
PEF	CHMP4B	cg03355213	rs142163191	G	T	0.306	0.050	0.054	1.37E-09	-0.009	0.005	0.103	0.010	36.692	TRUE	5.03E-09
PEF	CHMP4B	cg03355213	rs147642147	T	C	-0.350	0.049	0.073	1.26E-12	0.012	0.005	0.014	0.013	50.359	TRUE	1.13E-11

PEF	CHMP4B	cg03355213	rs17091470	G	T	0.365	0.046	0.075	3.40E-15	-0.004	0.005	0.454	0.016	61.987	TRUE	1.06E-14
PEF	CHMP4B	cg03355213	rs17124619	A	G	0.326	0.028	0.216	1.58E-30	0.000	0.003	0.976	0.034	131.822	TRUE	7.52E-30
PEF	CHMP4B	cg03355213	rs6057927	A	G	0.259	0.028	0.238	1.96E-20	0.006	0.003	0.030	0.023	85.789	TRUE	3.58E-19
PEF	CHMP4B	cg03355213	rs6087477	C	T	0.208	0.024	0.404	1.83E-18	0.001	0.003	0.657	0.020	76.823	TRUE	5.63E-18
PEF	CHMP4B	cg03355213	rs6087526	C	A	0.903	0.018	0.448	<1E-200	-0.007	0.003	0.006	0.396	2428.091	TRUE	<1E-200
PEF	CHMP4B	cg03355213	rs61096088	C	T	0.461	0.041	0.083	9.27E-29	-0.002	0.005	0.664	0.032	123.744	TRUE	6.16E-28
PEF	CHMP4B	cg03355213	rs62209606	A	G	-0.515	0.094	0.036	4.47E-08	-0.012	0.007	0.116	0.008	29.916	TRUE	1.37E-07
PEF	CHMP4B	cg03355213	rs77790403	A	G	0.465	0.084	0.022	3.23E-08	-0.007	0.010	0.462	0.008	30.546	TRUE	6.20E-08
PEF	CHMP4B	cg03864128	rs112310554	G	A	0.214	0.031	0.167	8.76E-12	-0.014	0.003	3.44E-05	0.012	46.564	TRUE	2.31E-10
PEF	CHMP4B	cg03864128	rs117763311	T	C	0.439	0.079	0.021	3.19E-08	0.006	0.009	0.500	0.008	30.570	TRUE	5.88E-08
PEF	CHMP4B	cg03864128	rs117879275	C	A	0.542	0.091	0.015	2.15E-09	-0.007	0.009	0.437	0.010	35.816	TRUE	4.54E-09
PEF	CHMP4B	cg03864128	rs13042412	G	A	0.481	0.053	0.056	5.32E-20	-0.002	0.006	0.719	0.022	83.812	TRUE	1.65E-19
PEF	CHMP4B	cg03864128	rs13044031	C	A	-0.284	0.051	0.055	2.90E-08	0.001	0.006	0.903	0.008	30.759	TRUE	3.90E-08
PEF	CHMP4B	cg03864128	rs147642147	T	C	-0.385	0.049	0.073	5.84E-15	0.012	0.005	0.014	0.016	60.922	TRUE	6.97E-14
PEF	CHMP4B	cg03864128	rs2092477	T	C	0.285	0.024	0.396	1.99E-32	-0.005	0.003	0.043	0.037	140.498	TRUE	1.18E-30
PEF	CHMP4B	cg03864128	rs2747564	A	G	0.402	0.065	0.065	7.04E-10	-0.004	0.005	0.413	0.010	37.988	TRUE	1.58E-09
PEF	CHMP4B	cg03864128	rs3213180	C	G	-0.382	0.037	0.096	6.30E-25	0.011	0.004	0.009	0.028	106.256	TRUE	2.94E-23
PEF	CHMP4B	cg03864128	rs6057927	A	G	0.229	0.028	0.238	3.17E-16	0.006	0.003	0.030	0.018	66.659	TRUE	3.59E-15
PEF	CHMP4B	cg03864128	rs6059214	C	A	-0.176	0.026	0.261	1.66E-11	0.006	0.003	0.034	0.012	45.309	TRUE	1.04E-10
PEF	CHMP4B	cg03864128	rs6087526	C	A	0.863	0.020	0.448	<1E-200	-0.007	0.003	0.006	0.344	1940.912	TRUE	<1E-200
PEF	CHMP4B	cg03864128	rs6087561	C	T	0.309	0.040	0.098	8.58E-15	0.001	0.005	0.809	0.016	60.165	TRUE	1.74E-14
PEF	CHMP4B	cg03864128	rs6088177	G	A	0.185	0.024	0.403	6.24E-15	0.001	0.003	0.785	0.016	60.793	TRUE	1.30E-14
PEF	CHMP4B	cg03864128	rs6088253	G	T	0.788	0.131	0.017	2.00E-09	-0.012	0.009	0.177	0.010	35.955	TRUE	6.08E-09
PEF	CHMP4B	cg03864128	rs6088323	T	A	0.577	0.041	0.083	7.44E-45	-0.001	0.005	0.912	0.051	197.364	TRUE	1.47E-43
PEF	CHMP4B	cg03864128	rs6088372	T	C	-0.386	0.032	0.137	1.05E-33	0.001	0.003	0.773	0.038	146.340	TRUE	8.98E-33
PEF	CHMP4B	cg03864128	rs73906399	T	A	0.305	0.028	0.216	9.57E-27	0.000	0.003	0.995	0.030	114.551	TRUE	3.30E-26
PEF	CHMP4B	cg26347170	rs13042148	T	C	-0.204	0.033	0.154	6.53E-10	-0.008	0.004	0.023	0.010	38.137	TRUE	3.66E-09
PEF	CHMP4B	cg26347170	rs293728	C	T	-0.162	0.029	0.216	1.40E-08	0.000	0.003	0.994	0.009	32.168	TRUE	1.77E-08
PEF	CHMP4B	cg26347170	rs6057815	G	T	0.140	0.025	0.330	1.57E-08	0.006	0.003	0.018	0.009	31.948	TRUE	7.90E-08
PEF	CHMP4B	cg26347170	rs6088323	T	A	-0.271	0.041	0.083	4.56E-11	-0.001	0.005	0.912	0.012	43.334	TRUE	6.89E-11
PEF	CISD3	cg23901967	rs708692	C	T	-0.168	0.023	0.470	6.47E-13	0.004	0.003	0.150	0.014	51.673	TRUE	2.86E-12
PEF	CLEC16A	cg00027155	rs11074954	A	C	-0.238	0.033	0.345	5.44E-13	0.003	0.003	0.262	0.014	52.012	TRUE	1.90E-12
PEF	CLEC16A	cg00027155	rs141187666	A	G	-0.457	0.063	0.031	4.12E-13	-0.015	0.006	0.012	0.014	52.555	TRUE	4.20E-12
PEF	CLEC16A	cg00027155	rs146566517	T	C	-0.492	0.086	0.038	9.84E-09	-0.006	0.007	0.424	0.009	32.855	TRUE	2.02E-08
PEF	CLEC16A	cg00027155	rs168716	G	A	0.188	0.024	0.354	1.40E-14	0.007	0.003	0.010	0.016	59.196	TRUE	1.75E-13
PEF	CLEC16A	cg00027155	rs16957864	T	C	-1.550	0.036	0.066	<1E-200	-0.009	0.005	0.081	0.330	1817.779	TRUE	<1E-200
PEF	CLEC16A	cg00027155	rs193756	A	G	-0.224	0.024	0.375	3.92E-21	-0.009	0.003	0.001	0.023	88.968	TRUE	2.11E-19
PEF	CLEC16A	cg00027155	rs28666972	A	G	-0.255	0.025	0.339	4.36E-25	-0.005	0.003	0.085	0.028	106.985	TRUE	8.08E-24
PEF	CLEC16A	cg00027155	rs7205474	T	C	-0.206	0.033	0.152	3.19E-10	-0.003	0.004	0.469	0.011	39.531	TRUE	6.89E-10
PEF	CLEC16A	cg00121339	rs12922908	C	G	0.584	0.072	0.027	4.96E-16	-0.005	0.007	0.492	0.017	65.776	TRUE	1.56E-15
PEF	CLEC16A	cg00121339	rs147033547	A	G	0.700	0.087	0.018	9.30E-16	0.013	0.010	0.167	0.017	64.538	TRUE	5.07E-15
PEF	CLEC16A	cg00121339	rs152307	A	G	0.214	0.025	0.353	1.38E-17	0.004	0.003	0.128	0.019	72.841	TRUE	9.73E-17

PEF	CLEC16A	cg00121339	rs181582	T	C	-0.173	0.027	0.242	1.04E-10	-0.003	0.003	0.364	0.011	41.726	TRUE	2.61E-10
PEF	CLEC16A	cg00121339	rs4534865	C	T	-0.257	0.025	0.311	5.75E-25	-0.007	0.003	0.009	0.028	106.434	TRUE	2.75E-23
PEF	CLEC16A	cg00121339	rs6498136	G	A	0.403	0.023	0.399	4.26E-67	0.005	0.003	0.052	0.075	299.324	TRUE	3.15E-63
PEF	CLEC16A	cg00121339	rs7196077	C	T	0.899	0.034	0.133	5.30E-156	0.001	0.004	0.785	0.161	707.670	TRUE	4.04E-145
PEF	CLEC16A	cg00121339	rs77316098	G	T	0.742	0.103	0.015	7.41E-13	0.002	0.011	0.861	0.014	51.405	TRUE	1.28E-12
PEF	CLEC16A	cg00202496	rs67839826	G	A	0.164	0.029	0.210	1.10E-08	-0.002	0.003	0.550	0.009	32.640	TRUE	1.98E-08
PEF	CLEC16A	cg01144592	rs2160042	A	G	-0.277	0.034	0.133	4.26E-16	-0.001	0.004	0.898	0.018	66.076	TRUE	8.48E-16
PEF	CLEC16A	cg01233620	rs11642631	C	T	0.199	0.023	0.429	1.19E-17	0.006	0.003	0.017	0.019	73.132	TRUE	1.93E-16
PEF	CLEC16A	cg01233620	rs141187666	A	G	0.454	0.063	0.031	3.75E-13	-0.015	0.006	0.012	0.014	52.740	TRUE	3.84E-12
PEF	CLEC16A	cg01233620	rs1646041	G	A	0.162	0.024	0.394	1.22E-11	-0.005	0.003	0.058	0.012	45.917	TRUE	6.51E-11
PEF	CLEC16A	cg01233620	rs16957807	A	G	-0.322	0.030	0.184	2.48E-26	-0.002	0.003	0.637	0.030	112.666	TRUE	1.41E-25
PEF	CLEC16A	cg01233620	rs16957864	T	C	0.709	0.044	0.066	7.14E-59	-0.009	0.005	0.081	0.066	261.606	TRUE	1.04E-55
PEF	CLEC16A	cg01233620	rs193760	G	C	-0.196	0.026	0.281	6.81E-14	-0.006	0.003	0.054	0.015	56.091	TRUE	4.67E-13
PEF	CLEC16A	cg01238858	rs9939397	G	A	-0.170	0.023	0.420	1.94E-13	0.006	0.003	0.014	0.014	54.032	TRUE	2.01E-12
PEF	CLEC16A	cg02101434	rs1035089	A	G	-0.201	0.024	0.442	1.26E-17	-0.006	0.003	0.017	0.019	73.015	TRUE	1.98E-16
PEF	CLEC16A	cg02101434	rs248829	G	C	0.188	0.025	0.357	2.32E-14	-0.007	0.003	0.015	0.015	58.209	TRUE	2.47E-13
PEF	CLEC16A	cg02101434	rs8055876	A	G	0.591	0.034	0.130	1.02E-67	-0.003	0.004	0.489	0.076	302.166	TRUE	9.63E-65
PEF	CLEC16A	cg04616529	rs1646069	G	C	0.199	0.034	0.121	5.51E-09	-0.002	0.004	0.610	0.009	33.983	TRUE	9.61E-09
PEF	CLEC16A	cg04616529	rs1646073	G	A	-0.157	0.025	0.372	2.10E-10	0.001	0.003	0.709	0.011	40.350	TRUE	3.66E-10
PEF	CLEC16A	cg04616529	rs2070923	T	G	-0.191	0.026	0.287	4.57E-13	0.007	0.003	0.022	0.014	52.354	TRUE	3.91E-12
PEF	CLEC16A	cg04616529	rs4781028	G	C	0.181	0.029	0.210	2.36E-10	-0.003	0.003	0.291	0.011	40.126	TRUE	6.45E-10
PEF	CLEC16A	cg04616529	rs7204099	C	T	-0.407	0.024	0.354	7.92E-65	0.010	0.003	2.74E-04	0.072	288.915	TRUE	8.09E-60
PEF	CLEC16A	cg04616529	rs79406089	T	A	-0.641	0.113	0.019	1.46E-08	0.014	0.009	0.142	0.009	32.086	TRUE	4.39E-08
PEF	CLEC16A	cg04616529	rs9928255	A	C	-0.187	0.029	0.198	1.11E-10	-0.003	0.003	0.387	0.011	41.593	TRUE	2.74E-10
PEF	CLEC16A	cg05080940	rs11648856	T	C	0.494	0.077	0.046	1.47E-10	-0.014	0.006	0.016	0.011	41.041	TRUE	9.87E-10
PEF	CLEC16A	cg05080940	rs117778447	A	G	-0.619	0.094	0.015	5.07E-11	-0.006	0.010	0.569	0.012	43.128	TRUE	1.05E-10
PEF	CLEC16A	cg05080940	rs12162021	A	G	0.283	0.031	0.178	3.41E-20	-0.004	0.003	0.265	0.022	84.691	TRUE	2.14E-19
PEF	CLEC16A	cg05080940	rs12448240	C	T	-0.646	0.082	0.035	4.49E-15	-0.006	0.008	0.392	0.016	61.438	TRUE	1.51E-14
PEF	CLEC16A	cg05080940	rs12598008	G	C	-0.800	0.021	0.410	<1E-200	-0.005	0.003	0.063	0.285	1476.860	TRUE	1.36E-281
PEF	CLEC16A	cg05080940	rs152303	C	A	0.454	0.025	0.341	4.91E-74	0.003	0.003	0.318	0.082	331.161	TRUE	2.21E-70
PEF	CLEC16A	cg05080940	rs1540357	T	C	-0.735	0.065	0.030	2.85E-29	-0.003	0.007	0.635	0.033	126.080	TRUE	2.03E-28
PEF	CLEC16A	cg05080940	rs193758	G	C	-0.790	0.054	0.049	3.42E-49	-0.004	0.005	0.475	0.055	217.234	TRUE	2.72E-47
PEF	CLEC16A	cg05080940	rs4527037	T	G	-0.187	0.024	0.462	6.65E-15	-0.003	0.003	0.258	0.016	60.667	TRUE	2.83E-14
PEF	CLEC16A	cg05080940	rs55980683	C	A	-0.216	0.025	0.289	2.31E-17	0.001	0.003	0.635	0.019	71.819	TRUE	6.62E-17
PEF	CLEC16A	cg05080940	rs60383065	A	G	0.160	0.028	0.220	1.31E-08	-0.006	0.003	0.062	0.009	32.295	TRUE	4.99E-08
PEF	CLEC16A	cg05080940	rs62025676	T	G	0.166	0.024	0.411	3.47E-12	0.003	0.003	0.209	0.013	48.377	TRUE	1.27E-11
PEF	CLEC16A	cg05080940	rs62026374	T	C	0.421	0.069	0.030	1.06E-09	0.017	0.007	0.016	0.010	37.194	TRUE	6.27E-09
PEF	CLEC16A	cg05080940	rs705904	C	T	-0.381	0.024	0.403	5.72E-58	-0.001	0.003	0.699	0.065	257.463	TRUE	8.16E-56
PEF	CLEC16A	cg05080940	rs7194545	T	C	0.400	0.029	0.193	6.81E-43	-0.002	0.003	0.519	0.048	188.382	TRUE	2.36E-41
PEF	CLEC16A	cg05080940	rs74376849	T	C	-0.592	0.037	0.106	1.24E-56	-0.004	0.004	0.296	0.064	251.330	TRUE	4.33E-54
PEF	CLEC16A	cg05080940	rs7500886	A	G	-0.278	0.024	0.404	7.63E-32	-0.004	0.003	0.108	0.036	137.835	TRUE	2.56E-30
PEF	CLEC16A	cg05080940	rs75679764	C	T	0.359	0.054	0.055	3.60E-11	0.000	0.006	0.998	0.012	43.796	TRUE	5.07E-11

PEF	CLEC16A	cg05080940	rs77309215	C	G	0.388	0.056	0.079	5.88E-12	0.012	0.005	0.011	0.013	47.342	TRUE	5.14E-11
PEF	CLEC16A	cg05080940	rs77316098	G	T	0.592	0.104	0.015	1.22E-08	0.002	0.011	0.861	0.009	32.445	TRUE	1.72E-08
PEF	CLEC16A	cg05080940	rs79078433	T	G	0.461	0.047	0.061	1.06E-22	0.016	0.005	0.002	0.025	96.102	TRUE	6.41E-21
PEF	CLEC16A	cg05080940	rs8053937	T	C	-0.307	0.031	0.168	9.63E-23	0.004	0.003	0.243	0.025	96.297	TRUE	8.30E-22
PEF	CLEC16A	cg05080940	rs9923175	T	G	0.511	0.023	0.415	1.45E-109	-0.008	0.003	0.004	0.118	494.295	TRUE	3.93E-101
PEF	CLEC16A	cg06150195	rs11641320	G	C	-0.436	0.038	0.090	5.48E-30	-0.011	0.004	0.006	0.034	129.354	TRUE	5.50E-28
PEF	CLEC16A	cg07486170	rs9937173	C	G	-0.144	0.025	0.338	4.09E-09	-0.004	0.003	0.113	0.009	34.562	TRUE	1.36E-08
PEF	CLEC16A	cg08619515	rs13337334	C	G	-0.209	0.027	0.267	3.03E-15	0.009	0.003	0.002	0.017	62.213	TRUE	6.24E-14
PEF	CLEC16A	cg08619515	rs76818150	T	C	0.537	0.037	0.112	1.18E-46	-0.002	0.004	0.631	0.053	205.610	TRUE	4.82E-45
PEF	CLEC16A	cg10390979	rs34306440	G	A	-0.299	0.028	0.217	2.99E-26	0.014	0.003	3.35E-06	0.029	112.295	TRUE	1.35E-23
PEF	CLEC16A	cg10468236	rs12922908	C	G	-0.456	0.072	0.027	2.68E-10	-0.005	0.007	0.492	0.011	39.870	TRUE	5.71E-10
PEF	CLEC16A	cg10468236	rs147033547	A	G	-0.618	0.087	0.018	1.26E-12	0.013	0.010	0.167	0.013	50.367	TRUE	5.17E-12
PEF	CLEC16A	cg10468236	rs55806963	G	A	-0.198	0.028	0.226	9.60E-13	0.006	0.003	0.053	0.014	50.897	TRUE	5.98E-12
PEF	CLEC16A	cg10468236	rs7185202	C	G	0.142	0.024	0.412	4.06E-09	-0.006	0.003	0.012	0.009	34.577	TRUE	2.33E-08
PEF	CLEC16A	cg10468236	rs77316098	G	T	-0.611	0.104	0.015	3.73E-09	0.002	0.011	0.861	0.009	34.738	TRUE	5.40E-09
PEF	CLEC16A	cg10468236	rs78753859	G	A	-0.627	0.035	0.128	1.42E-73	0.000	0.004	0.962	0.082	329.037	TRUE	1.05E-70
PEF	CLEC16A	cg26765295	rs111610974	T	C	-0.337	0.045	0.069	5.32E-14	-0.010	0.005	0.036	0.015	56.577	TRUE	4.18E-13
PEF	CLEC16A	cg26765295	rs34560935	G	A	-0.182	0.031	0.185	5.27E-09	0.003	0.003	0.351	0.009	34.069	TRUE	1.20E-08
PEF	CLEC16A	cg26765295	rs8055876	A	G	0.235	0.035	0.130	1.20E-11	-0.003	0.004	0.489	0.012	45.951	TRUE	2.79E-11
PEF	CLEC16A	cg26788616	rs1540357	T	C	1.035	0.065	0.030	6.92E-58	-0.003	0.007	0.635	0.065	257.083	TRUE	1.11E-55
PEF	CLEC16A	cg27227804	rs7403919	C	T	0.273	0.024	0.349	5.32E-30	0.008	0.003	0.001	0.034	129.413	TRUE	9.61E-28
PEF	CLEC16A	cg27227804	rs741179	A	G	-0.274	0.045	0.064	1.33E-09	-0.007	0.005	0.154	0.010	36.745	TRUE	4.31E-09
PEF	COL2A1	cg01906695	rs10875719	C	T	-0.195	0.024	0.365	7.52E-16	0.009	0.003	4.97E-04	0.017	64.958	TRUE	2.31E-14
PEF	COL2A1	cg01906695	rs79159228	A	C	0.267	0.045	0.075	2.46E-09	0.008	0.005	0.081	0.010	35.554	TRUE	9.52E-09
PEF	COL2A1	cg05342945	rs12228854	T	G	-0.205	0.028	0.218	4.66E-13	-0.025	0.003	7.37E-17	0.014	52.316	TRUE	2.82E-10
PEF	COL2A1	cg05342945	rs2732439	C	A	0.136	0.024	0.452	9.49E-09	0.007	0.003	0.009	0.009	32.926	TRUE	5.74E-08
PEF	COL2A1	cg05342945	rs6580647	A	C	0.305	0.032	0.167	2.06E-21	0.005	0.004	0.169	0.024	90.238	TRUE	1.89E-20
PEF	COL2A1	cg08886711	rs3803184	G	C	0.220	0.033	0.167	1.37E-11	0.005	0.004	0.157	0.012	45.685	TRUE	5.23E-11
PEF	COL2A1	cg10502244	rs11168450	A	G	0.140	0.024	0.377	9.00E-09	0.005	0.003	0.042	0.009	33.029	TRUE	3.85E-08
PEF	COL2A1	cg10502244	rs12717995	C	T	-0.361	0.045	0.069	1.84E-15	0.010	0.005	0.036	0.017	63.192	TRUE	1.76E-14
PEF	COL2A1	cg10502244	rs141415801	T	G	-0.470	0.084	0.020	1.85E-08	-0.005	0.009	0.590	0.008	31.629	TRUE	3.20E-08
PEF	COL2A1	cg10502244	rs74802509	A	G	0.277	0.045	0.075	5.37E-10	0.008	0.005	0.089	0.010	38.518	TRUE	2.17E-09
PEF	COL2A1	cg12235144	rs6580649	T	C	-0.244	0.032	0.169	1.53E-14	0.006	0.003	0.093	0.016	59.022	TRUE	9.48E-14
PEF	COL2A1	cg17342302	rs7132668	C	T	-0.252	0.032	0.170	1.86E-15	0.005	0.003	0.154	0.017	63.173	TRUE	1.04E-14
PEF	COL2A1	cg18990042	rs3803184	G	C	0.284	0.033	0.167	2.22E-18	0.005	0.004	0.157	0.020	76.445	TRUE	1.57E-17
PEF	COL2A1	cg19066141	rs1635528	C	T	0.342	0.032	0.170	9.89E-27	0.004	0.003	0.295	0.030	114.485	TRUE	1.09E-25
PEF	COL2A1	cg19601035	rs10875722	G	T	0.142	0.025	0.387	8.62E-09	0.009	0.003	3.23E-04	0.009	33.112	TRUE	8.98E-08
PEF	COL2A1	cg24011408	rs117328080	T	C	0.345	0.054	0.094	2.19E-10	0.003	0.005	0.499	0.011	40.269	TRUE	4.70E-10
PEF	COL2A1	cg24011408	rs117938743	G	C	0.406	0.072	0.049	1.37E-08	0.015	0.006	0.011	0.009	32.206	TRUE	7.77E-08
PEF	COL2A1	cg24011408	rs12717995	C	T	0.284	0.045	0.069	3.44E-10	0.010	0.005	0.036	0.011	39.387	TRUE	1.81E-09
PEF	COL2A1	cg24011408	rs17614932	C	A	-0.307	0.046	0.070	1.43E-11	-0.030	0.005	6.74E-10	0.012	45.606	TRUE	1.29E-09
PEF	COL2A1	cg24011408	rs1793959	T	C	-0.524	0.043	0.083	2.53E-34	0.001	0.005	0.836	0.039	149.169	TRUE	2.03E-33

PEF	COL2A1	cg24011408	rs34392760	A	T	-0.314	0.053	0.047	3.70E-09	-0.022	0.006	9.96E-05	0.009	34.759	TRUE	4.94E-08
PEF	COL2A1	cg24011408	rs59027910	A	G	0.322	0.029	0.188	8.86E-28	0.007	0.003	0.035	0.031	119.267	TRUE	3.60E-26
PEF	COL2A1	cg24011408	rs78730237	A	G	-0.365	0.046	0.074	1.23E-15	0.008	0.005	0.107	0.017	63.996	TRUE	8.09E-15
PEF	COL2A1	cg24011408	rs79159228	A	C	-0.363	0.044	0.075	3.30E-16	0.008	0.005	0.081	0.018	66.579	TRUE	2.59E-15
PEF	CRADD	cg09631880	rs118122405	A	G	-0.602	0.070	0.027	7.67E-18	0.007	0.008	0.357	0.020	73.997	TRUE	3.36E-17
PEF	CRADD	cg09631880	rs12368895	T	C	0.215	0.032	0.156	1.60E-11	0.001	0.004	0.885	0.012	45.377	TRUE	2.54E-11
PEF	CRADD	cg09631880	rs55700143	G	A	-0.238	0.027	0.253	6.28E-19	0.007	0.003	0.025	0.021	78.934	TRUE	1.03E-17
PEF	CRADD	cg12133664	rs11107187	T	C	0.238	0.042	0.076	2.04E-08	0.000	0.005	0.926	0.008	31.440	TRUE	2.70E-08
PEF	CRADD	cg12133664	rs11107204	A	T	-0.692	0.061	0.037	6.31E-30	0.001	0.006	0.921	0.034	129.073	TRUE	3.08E-29
PEF	CRADD	cg12133664	rs11107218	C	A	-0.473	0.059	0.035	9.70E-16	-0.014	0.006	0.029	0.017	64.455	TRUE	1.02E-14
PEF	CRADD	cg12133664	rs112311229	T	C	0.346	0.063	0.033	4.94E-08	0.000	0.007	0.986	0.008	29.723	TRUE	6.18E-08
PEF	CRADD	cg12133664	rs11832823	A	G	0.327	0.024	0.389	2.02E-42	0.001	0.003	0.575	0.048	186.224	TRUE	5.63E-41
PEF	CRADD	cg12133664	rs1389502	C	T	0.294	0.023	0.472	1.81E-36	-0.003	0.003	0.321	0.041	158.983	TRUE	4.93E-35
PEF	CRADD	cg12133664	rs1843533	G	A	0.331	0.032	0.158	2.77E-25	0.000	0.004	0.944	0.028	107.885	TRUE	9.16E-25
PEF	CRADD	cg12133664	rs3847788	G	A	-0.600	0.089	0.035	1.98E-11	0.004	0.007	0.591	0.012	44.968	TRUE	4.09E-11
PEF	CRADD	cg12133664	rs3926587	C	T	0.208	0.023	0.444	5.60E-19	-0.004	0.003	0.143	0.021	79.162	TRUE	4.51E-18
PEF	CRADD	cg12133664	rs60318766	A	G	0.540	0.056	0.045	1.15E-21	-0.001	0.006	0.910	0.024	91.392	TRUE	3.15E-21
PEF	CRADD	cg12133664	rs7133670	G	C	-0.840	0.022	0.318	<1E-200	0.004	0.003	0.170	0.291	1516.274	TRUE	5.22E-289
PEF	CRADD	cg13102120	rs11107144	C	T	-1.213	0.064	0.038	1.18E-80	0.007	0.007	0.331	0.089	361.534	TRUE	1.55E-76
PEF	CRADD	cg20665967	rs111947476	T	C	-0.418	0.065	0.026	1.22E-10	-0.014	0.007	0.060	0.011	41.408	TRUE	5.89E-10
PEF	CRADD	cg20665967	rs116105851	C	G	-0.708	0.105	0.021	1.84E-11	0.017	0.041	0.676	0.012	45.112	TRUE	3.51E-11
PEF	CRADD	cg20665967	rs118122405	A	G	-1.687	0.068	0.027	1.15E-137	0.007	0.008	0.357	0.144	623.409	TRUE	3.26E-128
PEF	CRADD	cg20665967	rs12318214	A	G	-0.385	0.066	0.026	5.32E-09	0.003	0.007	0.661	0.009	34.051	TRUE	8.95E-09
PEF	CRADD	cg20665967	rs1485889	G	A	-0.161	0.026	0.298	4.03E-10	0.003	0.003	0.210	0.010	39.076	TRUE	1.23E-09
PEF	CRADD	cg20665967	rs55700143	G	A	-0.161	0.027	0.253	1.69E-09	0.007	0.003	0.025	0.010	36.280	TRUE	9.11E-09
PEF	CRADD	cg20665967	rs57303653	A	G	-0.293	0.029	0.209	1.66E-24	-0.001	0.003	0.730	0.027	104.340	TRUE	7.10E-24
PEF	CRADD	cg20665967	rs7305941	T	A	-0.269	0.040	0.175	2.35E-11	-0.001	0.003	0.756	0.012	44.632	TRUE	4.09E-11
PEF	CRADD	cg20922821	rs12228884	T	C	-1.004	0.064	0.039	7.97E-56	0.007	0.007	0.322	0.063	247.632	TRUE	2.30E-53
PEF	CRADD	cg21004565	rs12228884	T	C	-1.207	0.063	0.039	3.85E-81	0.007	0.007	0.322	0.090	363.770	TRUE	5.83E-77
PEF	CRADD	cg23535137	rs12831838	A	C	0.187	0.023	0.446	3.32E-16	-0.004	0.003	0.139	0.018	66.565	TRUE	2.13E-15
PEF	CSNK2A1	cg07511836	rs459710	C	T	0.469	0.024	0.367	6.58E-83	-0.006	0.003	0.016	0.091	371.881	TRUE	2.13E-77
PEF	CSNK2A1	cg07511836	rs6107302	G	A	0.142	0.026	0.319	3.13E-08	0.000	0.003	0.955	0.008	30.608	TRUE	4.08E-08
PEF	CSNK2A1	cg07789225	rs157816	T	C	0.139	0.025	0.350	2.44E-08	-0.005	0.003	0.055	0.008	31.089	TRUE	9.52E-08
PEF	CSNK2A1	cg23481873	rs189975	T	C	0.175	0.026	0.288	2.43E-11	-0.005	0.003	0.055	0.012	44.564	TRUE	1.30E-10
PEF	CSNK2A1	cg26292976	rs459710	C	T	0.240	0.024	0.367	7.60E-23	-0.006	0.003	0.016	0.025	96.767	TRUE	2.27E-21
PEF	CTSF	cg03423112	rs607736	A	G	-0.146	0.025	0.294	4.71E-09	-0.007	0.003	0.012	0.009	34.286	TRUE	2.68E-08
PEF	CTSF	cg05087948	rs372990781	C	G	-0.284	0.031	0.169	3.92E-20	0.017	0.003	4.37E-07	0.022	84.415	TRUE	9.55E-18
PEF	CTSF	cg06817264	rs150863712	T	C	-0.346	0.049	0.066	1.22E-12	0.009	0.005	0.074	0.013	50.426	TRUE	6.79E-12
PEF	CTSF	cg06817264	rs192262095	G	A	-0.395	0.071	0.033	3.10E-08	0.021	0.007	0.002	0.008	30.627	TRUE	2.38E-07
PEF	CTSF	cg06817264	rs34629385	A	G	0.320	0.050	0.054	1.70E-10	0.002	0.006	0.764	0.011	40.764	TRUE	2.82E-10
PEF	CTSF	cg06817264	rs490972	A	G	0.132	0.024	0.456	2.13E-08	-0.006	0.003	0.022	0.008	31.354	TRUE	1.02E-07
PEF	CTSF	cg06817264	rs55969935	T	C	-0.426	0.039	0.097	2.98E-27	0.014	0.005	0.002	0.031	116.862	TRUE	3.21E-25

PEF	CTSF	cg06817264	rs615205	C	T	0.482	0.023	0.461	3.97E-100	-0.002	0.003	0.361	0.109	450.948	TRUE	1.89E-94
PEF	CTSF	cg06817264	rs72923011	C	A	0.307	0.051	0.056	1.20E-09	0.009	0.005	0.089	0.010	36.947	TRUE	4.63E-09
PEF	CTSF	cg06817264	rs74491182	T	C	-0.344	0.046	0.076	6.10E-14	-0.006	0.005	0.246	0.015	56.308	TRUE	2.40E-13
PEF	CTSF	cg14778137	rs509556	A	G	0.131	0.023	0.460	1.38E-08	-0.003	0.003	0.272	0.009	32.202	TRUE	3.38E-08
PEF	CTSF	cg19255818	rs11824771	C	T	0.267	0.027	0.240	1.42E-22	0.011	0.003	1.69E-04	0.025	95.534	TRUE	1.61E-20
PEF	CTSF	cg23230554	rs1625595	T	C	0.136	0.023	0.456	5.38E-09	-0.006	0.003	0.016	0.009	34.028	TRUE	3.00E-08
PEF	CTSF	cg23230554	rs17495838	C	T	-0.279	0.027	0.237	4.96E-25	0.011	0.003	1.91E-04	0.028	106.727	TRUE	6.97E-23
PEF	CTSF	cg23230554	rs2242663	C	T	0.305	0.026	0.238	1.37E-30	-0.010	0.003	6.80E-04	0.034	132.110	TRUE	3.44E-28
PEF	CTSF	cg23230554	rs79179961	C	T	-0.378	0.065	0.031	5.36E-09	0.014	0.006	0.031	0.009	34.035	TRUE	2.50E-08
PEF	CTSF	cg23669043	rs11607327	A	G	-0.216	0.035	0.134	8.31E-10	0.008	0.004	0.044	0.010	37.667	TRUE	3.98E-09
PEF	CTSF	cg23669043	rs117126977	G	A	-0.609	0.105	0.015	6.28E-09	0.023	0.011	0.035	0.009	33.727	TRUE	2.88E-08
PEF	CTSF	cg23669043	rs117649561	A	G	-0.475	0.082	0.024	6.54E-09	-0.011	0.009	0.200	0.009	33.649	TRUE	1.82E-08
PEF	CTSF	cg23669043	rs117827012	T	C	-0.399	0.043	0.080	9.35E-21	0.009	0.004	0.034	0.023	87.247	TRUE	1.62E-19
PEF	CTSF	cg23669043	rs12807979	C	A	0.230	0.039	0.092	4.69E-09	-0.001	0.004	0.820	0.009	34.296	TRUE	7.00E-09
PEF	CTSF	cg23669043	rs150633715	C	G	-0.665	0.093	0.016	9.29E-13	0.006	0.009	0.512	0.014	50.961	TRUE	2.28E-12
PEF	CTSF	cg23669043	rs1892939	A	G	-0.153	0.024	0.488	1.15E-10	-0.004	0.003	0.085	0.011	41.520	TRUE	5.12E-10
PEF	CTSF	cg23669043	rs192262095	G	A	-0.616	0.071	0.033	4.74E-18	0.021	0.007	0.002	0.020	74.944	TRUE	1.56E-16
PEF	CTSF	cg23669043	rs4576	G	A	-0.682	0.026	0.246	8.71E-150	0.011	0.003	1.54E-04	0.155	679.103	TRUE	1.16E-135
PEF	CTSF	cg23669043	rs7104965	A	G	-0.325	0.054	0.049	1.64E-09	0.000	0.006	0.943	0.010	36.341	TRUE	2.25E-09
PEF	CTSF	cg23669043	rs77310563	T	C	-0.559	0.080	0.023	2.13E-12	0.022	0.008	0.007	0.013	49.332	TRUE	2.16E-11
PEF	CTSF	cg24808318	rs11227485	T	C	-0.142	0.025	0.287	2.59E-08	-0.005	0.003	0.087	0.008	30.976	TRUE	8.56E-08
PEF	CTSF	cg24808318	rs677488	C	T	0.228	0.023	0.461	6.61E-23	-0.003	0.003	0.299	0.026	97.042	TRUE	5.02E-22
PEF	CTSF	cg24987259	rs662094	A	G	-0.254	0.023	0.494	1.03E-27	0.003	0.003	0.315	0.031	118.972	TRUE	1.16E-26
PEF	CTSF	cg24987259	rs77600363	T	G	-0.237	0.028	0.229	6.93E-18	0.015	0.003	2.90E-07	0.020	74.197	TRUE	1.12E-15
PEF	CTSH	cg07448499	rs1369324	A	G	-0.295	0.025	0.307	2.65E-31	-0.003	0.003	0.371	0.035	135.363	TRUE	3.73E-30
PEF	CTSH	cg07448499	rs9302286	G	A	-0.447	0.040	0.100	4.22E-29	-0.006	0.004	0.139	0.033	125.303	TRUE	9.23E-28
PEF	CTSH	cg08500346	rs112318964	T	C	0.463	0.045	0.073	2.36E-24	-0.012	0.006	0.036	0.027	103.637	TRUE	6.03E-23
PEF	CTSH	cg08500346	rs4421942	T	A	0.395	0.069	0.028	9.64E-09	0.004	0.009	0.661	0.009	32.895	TRUE	1.60E-08
PEF	CTSH	cg17270013	rs10152868	A	G	-0.480	0.040	0.101	9.57E-34	-0.007	0.004	0.127	0.038	146.526	TRUE	3.78E-32
PEF	CTSH	cg17270013	rs4778724	C	T	-0.393	0.025	0.312	7.72E-56	-0.003	0.003	0.334	0.063	247.695	TRUE	2.11E-53
PEF	CTSH	cg17270013	rs7164479	C	T	0.167	0.024	0.425	1.80E-12	0.002	0.003	0.554	0.013	49.668	TRUE	4.08E-12
PEF	CTSH	cg17922215	rs112318964	T	C	-0.282	0.046	0.073	1.24E-09	-0.012	0.006	0.036	0.010	36.886	TRUE	6.06E-09
PEF	CTSH	cg17922215	rs34843303	C	T	-0.217	0.038	0.106	1.23E-08	0.004	0.004	0.274	0.009	32.428	TRUE	2.99E-08
PEF	CTSH	cg18738367	rs10519218	C	T	-0.251	0.034	0.137	2.21E-13	0.001	0.004	0.731	0.014	53.780	TRUE	4.49E-13
PEF	CTSH	cg18738367	rs11072817	G	A	0.802	0.022	0.308	2.61E-287	-0.003	0.003	0.325	0.262	1311.427	TRUE	2.01E-254
PEF	CTSH	cg18738367	rs139414307	A	G	0.796	0.085	0.020	7.55E-21	-0.006	0.009	0.519	0.023	87.670	TRUE	3.28E-20
PEF	CTSH	cg18738367	rs149305049	T	C	0.671	0.091	0.016	1.85E-13	-0.011	0.009	0.217	0.014	54.126	TRUE	7.39E-13
PEF	CTSH	cg18738367	rs17243470	G	T	0.347	0.026	0.275	2.18E-39	-0.001	0.003	0.767	0.045	172.340	TRUE	3.15E-38
PEF	CTSH	cg18738367	rs181175135	G	C	0.952	0.168	0.011	1.32E-08	-0.006	0.011	0.613	0.009	32.285	TRUE	2.26E-08
PEF	CTSH	cg18738367	rs28699256	C	T	-0.210	0.024	0.457	1.77E-18	0.000	0.003	0.865	0.020	76.894	TRUE	4.15E-18
PEF	CTSH	cg18738367	rs75023556	T	C	0.262	0.033	0.153	3.82E-15	-0.003	0.004	0.409	0.016	61.759	TRUE	1.27E-14
PEF	CTSH	cg18738367	rs80218258	A	G	0.890	0.113	0.024	4.47E-15	0.014	0.009	0.121	0.016	61.450	TRUE	2.65E-14

PEF	CTSH	cg20059407	rs117849714	G	A	-0.541	0.091	0.037	2.54E-09	0.001	0.007	0.911	0.010	35.486	TRUE	3.56E-09
PEF	CTSH	cg20059407	rs139266568	A	C	-0.532	0.087	0.021	1.03E-09	-0.016	0.009	0.069	0.010	37.247	TRUE	4.29E-09
PEF	CTSH	cg20059407	rs2870085	T	C	-0.292	0.025	0.321	3.25E-32	-0.001	0.003	0.641	0.036	139.528	TRUE	3.05E-31
PEF	CTSH	cg25744700	rs10152868	A	G	-0.541	0.039	0.101	7.39E-43	-0.007	0.004	0.127	0.048	188.220	TRUE	8.64E-41
PEF	CTSH	cg25744700	rs10519218	C	T	0.277	0.034	0.137	5.53E-16	0.001	0.004	0.731	0.017	65.561	TRUE	1.32E-15
PEF	CTSH	cg25744700	rs11072817	G	A	-0.576	0.025	0.308	3.89E-122	-0.003	0.003	0.325	0.130	552.043	TRUE	2.65E-114
PEF	CTSH	cg25744700	rs11635955	A	G	0.368	0.057	0.042	1.05E-10	0.011	0.006	0.065	0.011	41.707	TRUE	4.89E-10
PEF	CTSH	cg25744700	rs184659738	A	G	0.955	0.119	0.018	1.20E-15	0.002	0.011	0.842	0.017	64.028	TRUE	2.47E-15
PEF	CTSH	cg25744700	rs2002832	T	C	-0.587	0.090	0.038	7.64E-11	0.003	0.007	0.687	0.011	42.325	TRUE	1.39E-10
PEF	CTSH	cg25744700	rs62011028	A	G	-0.242	0.027	0.263	3.15E-19	0.000	0.003	0.884	0.021	80.298	TRUE	7.58E-19
PEF	CTSH	cg25744700	rs76161838	T	C	-0.590	0.088	0.022	1.74E-11	-0.017	0.009	0.056	0.012	45.215	TRUE	9.41E-11
PEF	CTSK	cg20802392	rs10888585	T	G	-0.183	0.029	0.212	1.44E-10	0.007	0.003	0.019	0.011	41.081	TRUE	9.41E-10
PEF	CTSK	cg20802392	rs2039590	G	A	0.283	0.023	0.449	4.44E-34	0.010	0.003	1.65E-04	0.038	148.050	TRUE	2.87E-31
PEF	CTSK	cg20802392	rs75067938	C	G	0.211	0.038	0.098	2.05E-08	0.012	0.004	0.003	0.008	31.428	TRUE	1.41E-07
PEF	CTSK	cg20817941	rs2089081	T	C	0.296	0.023	0.449	7.22E-37	0.010	0.003	1.58E-04	0.042	160.807	TRUE	7.23E-34
PEF	CTSK	cg20817941	rs6698291	G	T	-0.192	0.029	0.212	1.88E-11	0.007	0.003	0.019	0.012	45.069	TRUE	1.37E-10
PEF	CTSK	cg20817941	rs75067938	C	G	0.237	0.038	0.098	3.20E-10	0.012	0.004	0.003	0.011	39.525	TRUE	2.89E-09
PEF	CTSS	cg15900387	rs34002273	G	A	0.165	0.023	0.451	1.01E-12	0.009	0.003	1.88E-04	0.014	50.805	TRUE	2.30E-11
PEF	CTSS	cg26891210	rs1040008	G	A	0.333	0.038	0.097	1.46E-18	0.020	0.004	5.18E-07	0.020	77.276	TRUE	2.61E-16
PEF	CTSS	cg26891210	rs10888585	T	G	-0.241	0.029	0.212	3.37E-17	0.007	0.003	0.019	0.019	71.077	TRUE	4.88E-16
PEF	CTSS	cg26891210	rs11584388	T	G	0.178	0.032	0.156	2.66E-08	-0.008	0.003	0.018	0.008	30.927	TRUE	1.28E-07
PEF	CTSS	cg26891210	rs17564336	T	G	-0.142	0.025	0.323	1.78E-08	0.003	0.003	0.205	0.008	31.702	TRUE	4.70E-08
PEF	CTSS	cg26891210	rs1811698	T	C	-0.244	0.038	0.101	1.40E-10	0.011	0.004	0.015	0.011	41.142	TRUE	9.59E-10
PEF	CTSS	cg26891210	rs184026197	A	G	0.411	0.044	0.078	5.72E-21	-0.005	0.005	0.291	0.023	88.220	TRUE	3.74E-20
PEF	CTSS	cg26891210	rs35550545	A	G	-0.291	0.041	0.091	6.82E-13	0.006	0.004	0.141	0.014	51.566	TRUE	3.07E-12
PEF	CTSS	cg26891210	rs3738479	A	T	-0.208	0.028	0.222	4.30E-14	0.001	0.003	0.709	0.015	56.997	TRUE	9.22E-14
PEF	CTSS	cg26891210	rs3811405	A	G	0.307	0.030	0.181	7.02E-25	0.005	0.003	0.134	0.028	106.040	TRUE	1.01E-23
PEF	CTSS	cg26891210	rs56661631	T	C	-0.265	0.025	0.333	7.43E-27	-0.005	0.003	0.084	0.030	115.052	TRUE	1.67E-25
PEF	CTSS	cg26891210	rs6657461	T	A	0.234	0.029	0.203	1.16E-15	-0.007	0.003	0.024	0.017	64.103	TRUE	1.32E-14
PEF	CTSS	cg26891210	rs72704603	T	C	0.660	0.022	0.382	4.13E-206	0.006	0.003	0.015	0.202	938.024	TRUE	1.47E-185
PEF	CTSW	cg01669108	rs10750766	C	A	-0.184	0.026	0.295	1.96E-12	-0.003	0.003	0.367	0.013	49.498	TRUE	5.59E-12
PEF	CTSW	cg01669108	rs10791830	T	C	0.854	0.028	0.196	4.90E-208	0.012	0.003	1.46E-04	0.204	946.876	TRUE	1.89E-185
PEF	CTSW	cg01669108	rs12146493	A	G	0.183	0.025	0.336	2.36E-13	0.000	0.003	0.899	0.014	53.649	TRUE	4.00E-13
PEF	CTSW	cg01669108	rs12294910	A	G	0.247	0.030	0.192	7.85E-17	0.000	0.003	0.937	0.018	69.409	TRUE	1.54E-16
PEF	CTSW	cg01669108	rs145650095	T	C	-0.372	0.057	0.046	5.22E-11	0.005	0.006	0.445	0.012	43.069	TRUE	1.23E-10
PEF	CTSW	cg01669108	rs35661464	T	C	0.151	0.027	0.256	2.50E-08	-0.004	0.003	0.194	0.008	31.046	TRUE	6.70E-08
PEF	CTSW	cg01669108	rs473661	C	T	0.791	0.063	0.037	5.46E-36	0.004	0.007	0.610	0.041	156.788	TRUE	7.55E-35
PEF	CTSW	cg01669108	rs523029	T	G	0.237	0.024	0.438	2.27E-23	0.004	0.003	0.172	0.026	99.161	TRUE	2.58E-22
PEF	CTSW	cg01669108	rs560577	C	T	0.279	0.043	0.077	5.27E-11	0.012	0.005	0.012	0.012	43.050	TRUE	3.96E-10
PEF	CTSW	cg01669108	rs60109456	G	A	-0.142	0.024	0.369	5.64E-09	-0.001	0.003	0.751	0.009	33.937	TRUE	8.75E-09
PEF	CTSW	cg01669108	rs61895424	T	G	0.139	0.025	0.354	2.27E-08	0.001	0.003	0.651	0.008	31.236	TRUE	3.69E-08
PEF	CTSW	cg01669108	rs654638	G	A	-0.270	0.029	0.211	5.73E-21	-0.006	0.003	0.046	0.023	88.216	TRUE	9.16E-20

PEF	CTSW	cg01669108	rs76812270	A	G	0.657	0.058	0.039	3.83E-30	0.010	0.007	0.140	0.034	130.066	TRUE	9.48E-29
PEF	CTSW	cg01669108	rs79783977	G	A	0.801	0.093	0.017	5.53E-18	0.004	0.009	0.679	0.020	74.642	TRUE	1.58E-17
PEF	CTSW	cg03887787	rs10896018	A	G	-0.164	0.026	0.286	3.77E-10	-0.010	0.003	1.93E-04	0.010	39.207	TRUE	5.41E-09
PEF	CTSW	cg03887787	rs11227378	G	A	-0.240	0.030	0.194	9.50E-16	0.002	0.003	0.565	0.017	64.496	TRUE	2.65E-15
PEF	CTSW	cg03887787	rs11551353	A	T	0.606	0.048	0.061	1.23E-36	0.001	0.005	0.887	0.041	159.744	TRUE	1.15E-35
PEF	CTSW	cg03887787	rs117542775	T	C	0.493	0.064	0.031	1.23E-14	0.001	0.007	0.913	0.016	59.458	TRUE	2.21E-14
PEF	CTSW	cg03887787	rs118186922	G	A	0.854	0.151	0.010	1.50E-08	0.031	0.014	0.023	0.009	32.040	TRUE	7.17E-08
PEF	CTSW	cg03887787	rs12576996	G	T	-0.357	0.027	0.254	3.31E-40	-0.002	0.003	0.528	0.045	176.086	TRUE	8.15E-39
PEF	CTSW	cg03887787	rs147398525	A	G	0.679	0.101	0.012	1.41E-11	0.028	0.013	0.031	0.012	45.630	TRUE	9.14E-11
PEF	CTSW	cg03887787	rs185542523	T	C	1.084	0.097	0.016	7.33E-29	0.004	0.009	0.679	0.032	124.208	TRUE	4.77E-28
PEF	CTSW	cg03887787	rs191644674	T	C	0.911	0.118	0.019	1.03E-14	0.017	0.009	0.064	0.016	59.810	TRUE	7.41E-14
PEF	CTSW	cg03887787	rs2271448	T	C	0.210	0.026	0.319	2.08E-16	-0.001	0.003	0.759	0.018	67.488	TRUE	4.81E-16
PEF	CTSW	cg03887787	rs2276133	A	G	-0.276	0.027	0.244	9.31E-24	0.000	0.003	0.887	0.027	100.921	TRUE	3.02E-23
PEF	CTSW	cg03887787	rs35957860	T	C	1.574	0.062	0.036	2.71E-142	0.005	0.007	0.455	0.148	644.668	TRUE	1.70E-132
PEF	CTSW	cg03887787	rs3850947	C	T	0.195	0.027	0.256	5.48E-13	-0.004	0.003	0.177	0.014	51.998	TRUE	2.27E-12
PEF	CTSW	cg03887787	rs3867128	T	C	-0.307	0.034	0.129	4.80E-19	0.006	0.004	0.085	0.021	79.467	TRUE	4.87E-18
PEF	CTSW	cg03887787	rs560577	C	T	0.339	0.043	0.077	1.57E-15	0.012	0.005	0.012	0.017	63.506	TRUE	2.08E-14
PEF	CTSW	cg03887787	rs633727	G	A	-0.150	0.023	0.487	1.38E-10	0.000	0.003	0.943	0.011	41.173	TRUE	2.00E-10
PEF	CTSW	cg03887787	rs654638	G	A	-0.349	0.029	0.211	2.83E-34	-0.006	0.003	0.046	0.039	148.944	TRUE	2.10E-32
PEF	CTSW	cg03887787	rs67924081	G	A	0.265	0.026	0.266	4.17E-24	-0.005	0.003	0.108	0.027	102.513	TRUE	6.54E-23
PEF	CTSW	cg03887787	rs71457704	A	G	-0.292	0.053	0.054	2.97E-08	-0.022	0.006	3.49E-04	0.008	30.707	TRUE	2.77E-07
PEF	CTSW	cg03887787	rs76584642	G	T	-0.299	0.044	0.079	1.12E-11	-0.007	0.004	0.098	0.012	46.080	TRUE	5.23E-11
PEF	CTSW	cg03887787	rs77779142	T	C	1.101	0.028	0.158	<1E-200	0.013	0.003	1.47E-04	0.300	1587.170	TRUE	4.27E-297
PEF	CTSW	cg03887787	rs78780936	G	A	-0.271	0.045	0.075	1.93E-09	0.001	0.005	0.829	0.010	36.025	TRUE	2.89E-09
PEF	CTSW	cg03887787	rs7948058	A	T	0.145	0.025	0.298	1.09E-08	-0.007	0.003	0.015	0.009	32.655	TRUE	5.68E-08
PEF	CTSW	cg08416661	rs10791865	A	C	0.175	0.023	0.445	8.17E-14	0.005	0.003	0.068	0.015	55.733	TRUE	5.48E-13
PEF	CTSW	cg08416661	rs10896007	A	T	0.196	0.029	0.208	1.04E-11	0.000	0.003	0.910	0.012	46.235	TRUE	1.64E-11
PEF	CTSW	cg08416661	rs113018139	T	C	0.610	0.106	0.011	8.80E-09	0.029	0.013	0.022	0.009	33.073	TRUE	4.36E-08
PEF	CTSW	cg08416661	rs117542775	T	C	0.367	0.064	0.031	8.98E-09	0.001	0.007	0.913	0.009	33.033	TRUE	1.22E-08
PEF	CTSW	cg08416661	rs12576802	T	G	-0.173	0.023	0.488	1.54E-13	-0.002	0.003	0.348	0.015	54.490	TRUE	5.02E-13
PEF	CTSW	cg08416661	rs2276133	A	G	-0.153	0.027	0.244	2.67E-08	0.000	0.003	0.887	0.008	30.918	TRUE	3.62E-08
PEF	CTSW	cg08416661	rs596002	A	G	0.600	0.029	0.198	2.82E-98	0.011	0.003	4.26E-04	0.107	442.446	TRUE	2.43E-90
PEF	CTSW	cg08416661	rs76812270	A	G	0.480	0.058	0.039	8.06E-17	0.010	0.007	0.140	0.018	69.358	TRUE	5.27E-16
PEF	CTSW	cg08416661	rs7941126	A	G	0.192	0.023	0.486	1.52E-16	0.000	0.003	0.959	0.018	68.101	TRUE	2.88E-16
PEF	CTSW	cg08416661	rs7952056	T	C	-0.145	0.025	0.342	3.39E-09	-0.001	0.003	0.734	0.009	34.925	TRUE	5.41E-09
PEF	CTSW	cg08416661	rs79783977	G	A	0.699	0.092	0.017	3.92E-14	0.004	0.009	0.679	0.015	57.179	TRUE	8.77E-14
PEF	CTSW	cg18410078	rs10896045	A	G	0.338	0.026	0.285	9.38E-39	0.007	0.003	0.010	0.044	169.437	TRUE	2.46E-36
PEF	CTSW	cg18410078	rs113018139	T	C	0.705	0.107	0.011	3.72E-11	0.029	0.013	0.022	0.012	43.731	TRUE	2.47E-10
PEF	CTSW	cg18410078	rs117542775	T	C	0.553	0.064	0.031	5.05E-18	0.001	0.007	0.913	0.020	74.822	TRUE	1.09E-17
PEF	CTSW	cg18410078	rs117827012	T	C	-0.289	0.043	0.080	1.54E-11	0.009	0.004	0.034	0.012	45.461	TRUE	9.51E-11
PEF	CTSW	cg18410078	rs143671198	T	G	-0.658	0.064	0.035	9.43E-25	0.006	0.007	0.358	0.028	105.456	TRUE	7.41E-24
PEF	CTSW	cg18410078	rs148082853	A	G	0.660	0.110	0.010	1.78E-09	0.009	0.012	0.452	0.010	36.180	TRUE	3.74E-09

PEF	CTSW	cg18410078	rs183362235	C	T	0.324	0.044	0.080	2.31E-13	-0.006	0.005	0.235	0.014	53.696	TRUE	8.83E-13
PEF	CTSW	cg18410078	rs185030002	A	G	0.587	0.048	0.058	1.87E-34	0.009	0.005	0.076	0.039	149.768	TRUE	1.09E-32
PEF	CTSW	cg18410078	rs185542523	T	C	1.105	0.097	0.016	5.94E-30	0.004	0.009	0.679	0.034	129.192	TRUE	4.24E-29
PEF	CTSW	cg18410078	rs2105608	A	T	0.274	0.025	0.317	1.09E-27	-0.002	0.003	0.369	0.031	118.849	TRUE	1.09E-26
PEF	CTSW	cg18410078	rs2276133	A	G	-0.185	0.028	0.244	2.11E-11	0.000	0.003	0.887	0.012	44.839	TRUE	3.31E-11
PEF	CTSW	cg18410078	rs2845570	G	T	-0.147	0.023	0.444	3.59E-10	-0.009	0.003	2.04E-04	0.011	39.303	TRUE	5.32E-09
PEF	CTSW	cg18410078	rs4930354	C	T	-0.165	0.023	0.471	1.92E-12	0.004	0.003	0.098	0.013	49.533	TRUE	9.68E-12
PEF	CTSW	cg18410078	rs56038054	T	C	0.344	0.027	0.235	5.90E-36	0.010	0.003	0.001	0.041	156.634	TRUE	2.43E-33
PEF	CTSW	cg18410078	rs608504	T	C	0.279	0.051	0.060	4.62E-08	0.007	0.006	0.228	0.008	29.853	TRUE	1.14E-07
PEF	CTSW	cg18410078	rs633727	G	A	-0.146	0.023	0.487	4.17E-10	0.000	0.003	0.943	0.010	39.011	TRUE	5.91E-10
PEF	CTSW	cg18410078	rs654638	G	A	-0.229	0.029	0.211	1.62E-15	-0.006	0.003	0.046	0.017	63.441	TRUE	1.43E-14
PEF	CTSW	cg18410078	rs77779142	T	C	1.119	0.027	0.158	<1E-200	0.013	0.003	1.47E-04	0.312	1680.983	TRUE	<1E-200
PEF	CTSW	cg18410078	rs7941126	A	G	0.265	0.023	0.486	4.37E-30	0.000	0.003	0.959	0.034	129.803	TRUE	2.03E-29
PEF	CTSW	cg18410078	rs7952056	T	C	-0.307	0.024	0.342	4.77E-36	-0.001	0.003	0.734	0.041	157.055	TRUE	5.31E-35
PEF	CTSW	cg19792802	rs10896045	A	G	0.166	0.026	0.285	1.09E-10	0.007	0.003	0.010	0.011	41.628	TRUE	8.06E-10
PEF	CTSW	cg19792802	rs12225345	G	A	0.494	0.031	0.160	4.16E-58	0.012	0.003	3.25E-04	0.065	258.098	TRUE	1.06E-53
PEF	CTSW	cg19792802	rs12790095	G	T	0.154	0.025	0.315	4.38E-10	0.002	0.003	0.560	0.010	38.913	TRUE	8.67E-10
PEF	CTSW	cg19792802	rs55931871	C	T	0.169	0.026	0.285	4.93E-11	0.009	0.003	0.002	0.012	43.183	TRUE	5.67E-10
PEF	CTSW	cg19792802	rs7113428	A	G	-0.160	0.024	0.341	5.18E-11	-0.001	0.003	0.758	0.012	43.086	TRUE	8.86E-11
PEF	CTSW	cg19792802	rs9326360	A	G	0.544	0.100	0.016	4.69E-08	0.004	0.011	0.722	0.008	29.826	TRUE	7.12E-08
PEF	CTSW	cg23483894	rs10791830	T	C	0.461	0.029	0.196	2.66E-57	0.012	0.003	1.46E-04	0.064	254.404	TRUE	7.56E-53
PEF	CTSW	cg23483894	rs12576996	G	T	-0.163	0.027	0.254	1.60E-09	-0.002	0.003	0.528	0.010	36.392	TRUE	3.10E-09
PEF	CTSW	cg23483894	rs185030002	A	G	0.289	0.048	0.058	1.74E-09	0.009	0.005	0.076	0.010	36.228	TRUE	6.94E-09
PEF	CTSW	cg23483894	rs61893865	A	G	0.469	0.065	0.036	3.80E-13	0.005	0.007	0.486	0.014	52.717	TRUE	9.86E-13
PEF	CTSW	cg23483894	rs654638	G	A	-0.158	0.029	0.211	3.57E-08	-0.006	0.003	0.046	0.008	30.352	TRUE	1.39E-07
PEF	CTSW	cg25470561	rs11227335	A	C	0.514	0.064	0.036	1.08E-15	0.007	0.007	0.310	0.017	64.246	TRUE	4.35E-15
PEF	CTSW	cg25470561	rs12576996	G	T	-0.158	0.027	0.254	5.24E-09	-0.002	0.003	0.528	0.009	34.081	TRUE	9.85E-09
PEF	CTSW	cg25470561	rs687672	T	C	0.511	0.029	0.197	2.10E-70	0.011	0.003	4.03E-04	0.078	314.500	TRUE	5.08E-65
PEF	CTSW	cg25470561	rs76812270	A	G	0.340	0.058	0.039	3.82E-09	0.010	0.007	0.140	0.009	34.692	TRUE	1.22E-08
PEF	CTSW	cg25470561	rs79783977	G	A	0.513	0.093	0.017	3.08E-08	0.004	0.009	0.679	0.008	30.643	TRUE	4.90E-08
PEF	CYP1B1	cg00565882	rs10171638	A	G	0.503	0.033	0.146	2.56E-52	0.005	0.004	0.145	0.059	231.561	TRUE	9.11E-50
PEF	CYP1B1	cg00565882	rs232616	C	G	-0.159	0.027	0.244	7.83E-09	0.005	0.003	0.082	0.009	33.300	TRUE	2.86E-08
PEF	CYP1B1	cg00565882	rs76137941	A	G	0.466	0.076	0.029	9.06E-10	0.010	0.007	0.176	0.010	37.496	TRUE	2.83E-09
PEF	CYP1B1	cg02162897	rs10178134	A	G	0.350	0.027	0.279	9.76E-40	0.006	0.003	0.043	0.045	173.933	TRUE	1.51E-37
PEF	CYP1B1	cg02162897	rs10185948	C	T	0.240	0.039	0.108	1.04E-09	0.003	0.004	0.459	0.010	37.237	TRUE	2.18E-09
PEF	CYP1B1	cg02162897	rs142450355	A	G	-0.457	0.080	0.024	1.17E-08	0.010	0.009	0.258	0.009	32.516	TRUE	2.90E-08
PEF	CYP1B1	cg02162897	rs232616	C	G	-0.173	0.027	0.244	2.89E-10	0.005	0.003	0.082	0.011	39.728	TRUE	1.23E-09
PEF	CYP1B1	cg03890222	rs10201389	T	A	0.154	0.026	0.282	5.20E-09	0.006	0.003	0.041	0.009	34.095	TRUE	2.33E-08
PEF	CYP1B1	cg05062676	rs10012	C	G	-0.175	0.026	0.283	3.52E-11	0.006	0.003	0.040	0.012	43.840	TRUE	2.03E-10
PEF	CYP1B1	cg05062676	rs2447754	G	C	0.325	0.027	0.244	2.47E-33	0.007	0.003	0.021	0.038	144.643	TRUE	2.38E-31
PEF	CYP1B1	cg05062676	rs35505978	A	G	0.142	0.025	0.305	1.35E-08	0.000	0.003	0.947	0.009	32.247	TRUE	1.78E-08
PEF	CYP1B1	cg06264984	rs2113389	T	C	0.451	0.034	0.139	2.83E-40	0.005	0.004	0.143	0.046	176.393	TRUE	2.17E-38

PEF	CYP1B1	cg06264984	rs4670808	G	A	0.186	0.024	0.392	2.98E-15	-0.004	0.003	0.103	0.017	62.245	TRUE	1.88E-14
PEF	CYP1B1	cg07057636	rs4646429	T	C	-0.154	0.026	0.278	6.09E-09	0.006	0.003	0.035	0.009	33.788	TRUE	2.77E-08
PEF	CYP1B1	cg07380506	rs1056827	A	C	1.024	0.021	0.283	<1E-200	0.005	0.003	0.058	0.386	2328.935	TRUE	<1E-200
PEF	CYP1B1	cg07380506	rs113750413	G	A	0.656	0.060	0.040	3.45E-28	-0.002	0.006	0.772	0.032	121.139	TRUE	1.83E-27
PEF	CYP1B1	cg07380506	rs17021846	G	A	0.284	0.048	0.061	2.37E-09	0.002	0.005	0.702	0.010	35.627	TRUE	3.93E-09
PEF	CYP1B1	cg07380506	rs181290031	A	G	0.737	0.068	0.028	2.19E-27	-0.001	0.007	0.909	0.031	117.476	TRUE	8.98E-27
PEF	CYP1B1	cg07380506	rs187236383	G	C	0.651	0.074	0.027	1.27E-18	0.012	0.007	0.116	0.021	77.544	TRUE	1.08E-17
PEF	CYP1B1	cg07380506	rs2194381	C	T	-0.195	0.034	0.139	1.10E-08	-0.009	0.004	0.011	0.009	32.643	TRUE	6.22E-08
PEF	CYP1B1	cg07380506	rs232549	A	G	-0.293	0.030	0.190	1.36E-22	0.005	0.003	0.105	0.025	95.621	TRUE	1.79E-21
PEF	CYP1B1	cg07380506	rs232573	G	A	-0.148	0.023	0.499	2.78E-10	0.003	0.003	0.248	0.011	39.803	TRUE	8.05E-10
PEF	CYP1B1	cg07380506	rs4555324	C	G	-0.297	0.054	0.044	4.18E-08	-0.008	0.006	0.196	0.008	30.047	TRUE	1.10E-07
PEF	CYP1B1	cg07380506	rs4670810	A	G	0.375	0.023	0.449	3.15E-60	-0.002	0.003	0.389	0.068	267.820	TRUE	1.38E-57
PEF	CYP1B1	cg07380506	rs4670858	C	T	0.195	0.024	0.387	7.17E-16	0.002	0.003	0.404	0.017	65.052	TRUE	2.55E-15
PEF	CYP1B1	cg07380506	rs62133864	A	T	0.714	0.063	0.039	5.11E-30	-0.003	0.007	0.707	0.034	129.492	TRUE	3.48E-29
PEF	CYP1B1	cg07380506	rs77615766	G	C	0.850	0.087	0.020	2.25E-22	0.003	0.010	0.754	0.025	94.622	TRUE	7.89E-22
PEF	CYP1B1	cg11656478	rs149502411	T	C	-0.325	0.057	0.045	1.21E-08	-0.001	0.006	0.904	0.009	32.461	TRUE	1.64E-08
PEF	CYP1B1	cg11656478	rs2707244	A	C	-0.131	0.023	0.474	2.10E-08	0.002	0.003	0.371	0.008	31.381	TRUE	4.53E-08
PEF	CYP1B1	cg11656478	rs62136337	G	A	0.270	0.023	0.465	2.24E-31	-0.001	0.003	0.807	0.035	135.696	TRUE	1.46E-30
PEF	CYP1B1	cg11751707	rs2567207	G	A	-0.186	0.026	0.280	1.67E-12	0.006	0.003	0.029	0.013	49.808	TRUE	1.21E-11
PEF	CYP1B1	cg12802310	rs1056827	A	C	-0.165	0.027	0.283	4.90E-10	0.005	0.003	0.058	0.010	38.695	TRUE	2.22E-09
PEF	CYP1B1	cg12802310	rs151256	G	A	0.368	0.027	0.246	8.40E-43	0.007	0.003	0.018	0.048	187.966	TRUE	2.98E-40
PEF	CYP1B1	cg12802310	rs336046	G	T	-0.143	0.023	0.446	8.26E-10	-0.004	0.003	0.160	0.010	37.678	TRUE	2.65E-09
PEF	CYP1B1	cg20408276	rs10171638	A	G	0.553	0.033	0.146	2.65E-63	0.005	0.004	0.145	0.071	281.923	TRUE	4.70E-60
PEF	CYP1B1	cg20408276	rs150999507	T	C	-0.465	0.080	0.024	6.20E-09	0.007	0.009	0.432	0.009	33.751	TRUE	1.29E-08
PEF	CYP1B1	cg20408276	rs454674	A	T	-0.206	0.027	0.244	6.88E-14	0.005	0.003	0.082	0.015	56.072	TRUE	4.24E-13
PEF	CYP1B1	cg20408276	rs7606492	T	C	0.168	0.027	0.257	7.15E-10	0.003	0.003	0.297	0.010	37.958	TRUE	1.85E-09
PEF	CYP1B1	cg20408276	rs76137941	A	G	0.598	0.076	0.029	3.30E-15	0.010	0.007	0.176	0.016	62.045	TRUE	1.67E-14
PEF	DAB2IP	cg01305539	rs10117555	G	A	-0.252	0.034	0.135	8.23E-14	0.002	0.004	0.639	0.015	55.719	TRUE	1.88E-13
PEF	DAB2IP	cg03225208	rs10985344	A	G	0.219	0.026	0.257	4.40E-17	0.001	0.003	0.854	0.019	70.549	TRUE	9.61E-17
PEF	DAB2IP	cg04661709	rs10985196	A	C	0.160	0.029	0.206	2.63E-08	0.003	0.003	0.304	0.008	30.944	TRUE	6.01E-08
PEF	DAB2IP	cg04661709	rs10985287	A	G	-0.257	0.025	0.288	3.15E-24	0.000	0.003	0.931	0.027	103.070	TRUE	9.85E-24
PEF	DAB2IP	cg04661709	rs4836858	T	A	0.347	0.024	0.392	2.01E-47	0.000	0.003	0.988	0.054	209.131	TRUE	4.46E-46
PEF	DAB2IP	cg04661709	rs58802731	A	C	0.375	0.032	0.159	7.36E-31	0.004	0.004	0.292	0.035	133.336	TRUE	1.20E-29
PEF	DAB2IP	cg04661709	rs7468120	A	G	-0.145	0.026	0.278	3.55E-08	0.000	0.003	0.989	0.008	30.367	TRUE	4.42E-08
PEF	DAB2IP	cg08980461	rs10818576	G	T	-0.267	0.027	0.243	4.99E-23	0.001	0.003	0.742	0.026	97.598	TRUE	1.87E-22
PEF	DAB2IP	cg10394788	rs10985290	A	G	-0.299	0.042	0.079	1.67E-12	-0.004	0.004	0.399	0.013	49.807	TRUE	4.61E-12
PEF	DAB2IP	cg10394788	rs1548782	T	A	0.143	0.024	0.390	3.65E-09	-0.001	0.003	0.842	0.009	34.781	TRUE	5.33E-09
PEF	DAB2IP	cg10394788	rs2777319	T	C	-0.463	0.024	0.390	3.34E-85	0.000	0.003	0.973	0.094	382.415	TRUE	1.58E-81
PEF	DAB2IP	cg10394788	rs514823	T	C	0.199	0.028	0.221	9.42E-13	-0.001	0.003	0.701	0.014	50.933	TRUE	1.87E-12
PEF	DAB2IP	cg10394788	rs72758110	T	G	0.672	0.090	0.017	6.56E-14	0.003	0.011	0.811	0.015	56.165	TRUE	1.26E-13
PEF	DAB2IP	cg10394788	rs76331566	T	C	0.494	0.051	0.052	3.69E-22	-0.007	0.006	0.222	0.025	93.641	TRUE	3.18E-21
PEF	DAB2IP	cg10394788	rs7873850	A	C	0.367	0.031	0.182	1.68E-32	0.004	0.003	0.305	0.037	140.840	TRUE	3.14E-31

PEF	DAB2IP	cg13571216	rs75389670	G	C	0.541	0.072	0.027	4.00E-14	0.000	0.008	0.961	0.015	57.138	TRUE	6.72E-14
PEF	DAB2IP	cg13696706	rs10818576	G	T	0.148	0.027	0.243	4.35E-08	0.001	0.003	0.742	0.008	29.970	TRUE	6.55E-08
PEF	DAB2IP	cg13696706	rs10985284	T	G	0.270	0.025	0.289	1.09E-26	0.000	0.003	0.929	0.030	114.301	TRUE	4.05E-26
PEF	DAB2IP	cg13696706	rs58802731	A	C	-0.253	0.033	0.159	7.66E-15	0.004	0.004	0.292	0.016	60.387	TRUE	2.99E-14
PEF	DAB2IP	cg13758780	rs112281448	A	G	-0.295	0.051	0.055	1.06E-08	-0.008	0.006	0.164	0.009	32.717	TRUE	3.06E-08
PEF	DAB2IP	cg13758780	rs12380661	T	C	0.386	0.025	0.362	1.36E-54	0.000	0.003	0.905	0.061	241.978	TRUE	8.18E-53
PEF	DAB2IP	cg13758780	rs1359085	G	A	0.173	0.024	0.430	2.08E-13	-0.002	0.003	0.354	0.014	53.899	TRUE	6.71E-13
PEF	DAB2IP	cg13758780	rs58802731	A	C	-0.468	0.032	0.159	9.59E-48	0.004	0.004	0.292	0.054	210.600	TRUE	1.05E-45
PEF	DAB2IP	cg13758780	rs6478506	A	G	-0.176	0.029	0.200	1.51E-09	0.003	0.003	0.337	0.010	36.503	TRUE	3.65E-09
PEF	DAB2IP	cg13758780	rs7039494	T	A	-0.204	0.030	0.181	2.19E-11	0.000	0.003	0.963	0.012	44.773	TRUE	3.24E-11
PEF	DAB2IP	cg13833607	rs10985342	G	A	-0.220	0.027	0.237	2.88E-16	0.000	0.008	0.963	0.018	66.848	TRUE	5.40E-16
PEF	DAB2IP	cg14021373	rs10985320	C	T	-0.216	0.032	0.157	2.09E-11	0.002	0.003	0.580	0.012	44.859	TRUE	4.39E-11
PEF	DAB2IP	cg14021373	rs57185433	T	C	-1.468	0.085	0.020	4.15E-66	0.005	0.010	0.617	0.074	294.789	TRUE	2.21E-63
PEF	DAB2IP	cg14136214	rs7854651	G	A	-0.214	0.023	0.477	1.86E-20	-0.008	0.003	0.001	0.023	85.891	TRUE	9.21E-19
PEF	DAB2IP	cg14190522	rs10120537	T	G	-0.184	0.024	0.374	2.95E-14	-0.001	0.003	0.798	0.015	57.738	TRUE	5.92E-14
PEF	DAB2IP	cg14190522	rs10739588	A	G	-0.147	0.025	0.302	6.06E-09	0.008	0.003	0.007	0.009	33.798	TRUE	3.85E-08
PEF	DAB2IP	cg14190522	rs10985315	C	T	0.594	0.030	0.182	1.97E-85	0.003	0.003	0.332	0.094	383.468	TRUE	6.08E-81
PEF	DAB2IP	cg14190522	rs116945153	T	C	-0.415	0.062	0.032	2.94E-11	-0.011	0.007	0.114	0.012	44.192	TRUE	1.22E-10
PEF	DAB2IP	cg14190522	rs3915531	A	T	0.284	0.033	0.147	3.19E-18	0.000	0.004	0.973	0.020	75.726	TRUE	6.54E-18
PEF	DAB2IP	cg14190522	rs603315	T	C	-0.391	0.031	0.160	1.37E-36	-0.001	0.003	0.727	0.041	159.530	TRUE	1.65E-35
PEF	DAB2IP	cg14190522	rs72760242	A	G	0.265	0.039	0.108	1.57E-11	-0.001	0.004	0.857	0.012	45.424	TRUE	2.56E-11
PEF	DAB2IP	cg14254686	rs150611873	T	C	-0.130	0.024	0.488	3.57E-08	-0.008	0.003	0.003	0.008	30.351	TRUE	2.49E-07
PEF	DAB2IP	cg14594111	rs10985290	A	G	-0.242	0.042	0.079	1.09E-08	-0.004	0.004	0.399	0.009	32.657	TRUE	2.28E-08
PEF	DAB2IP	cg14594111	rs1106006	T	G	0.166	0.028	0.230	3.32E-09	-0.001	0.003	0.729	0.009	34.965	TRUE	5.30E-09
PEF	DAB2IP	cg14594111	rs1984037	G	C	0.213	0.026	0.284	6.82E-16	0.005	0.003	0.103	0.017	65.148	TRUE	4.78E-15
PEF	DAB2IP	cg14594111	rs36084561	T	C	-0.264	0.029	0.203	4.62E-20	0.008	0.003	0.011	0.022	84.090	TRUE	1.06E-18
PEF	DAB2IP	cg14594111	rs57455029	A	G	-0.341	0.053	0.050	1.31E-10	0.001	0.006	0.914	0.011	41.278	TRUE	1.92E-10
PEF	DAB2IP	cg14594111	rs60432659	T	C	0.187	0.031	0.181	1.84E-09	0.003	0.003	0.321	0.010	36.120	TRUE	4.50E-09
PEF	DAB2IP	cg14594111	rs7025486	A	G	-0.666	0.025	0.263	7.80E-152	0.001	0.003	0.670	0.157	688.516	TRUE	2.77E-141
PEF	DAB2IP	cg14594111	rs72764062	T	A	0.447	0.061	0.035	2.40E-13	-0.009	0.006	0.131	0.014	53.615	TRUE	1.17E-12
PEF	DAB2IP	cg14594111	rs73540817	A	T	-0.359	0.061	0.036	3.34E-09	-0.004	0.007	0.509	0.009	34.954	TRUE	6.51E-09
PEF	DAB2IP	cg14594111	rs7468120	A	G	0.163	0.026	0.278	5.81E-10	0.000	0.003	0.989	0.010	38.363	TRUE	7.78E-10
PEF	DAB2IP	cg14594111	rs78424955	A	G	-0.347	0.033	0.138	1.15E-25	0.004	0.004	0.222	0.029	109.617	TRUE	1.33E-24
PEF	DAB2IP	cg14594187	rs10760198	G	A	-0.142	0.023	0.432	1.14E-09	-0.007	0.003	0.006	0.010	37.049	TRUE	8.29E-09
PEF	DAB2IP	cg14611152	rs1984037	G	C	0.149	0.026	0.284	1.85E-08	0.005	0.003	0.103	0.008	31.627	TRUE	6.18E-08
PEF	DAB2IP	cg14611152	rs36084561	T	C	-0.222	0.029	0.203	1.31E-14	0.008	0.003	0.011	0.016	59.339	TRUE	1.54E-13
PEF	DAB2IP	cg14611152	rs7025486	A	G	-0.519	0.026	0.263	1.90E-89	0.001	0.003	0.670	0.098	401.908	TRUE	4.02E-85
PEF	DAB2IP	cg14611152	rs7468120	A	G	0.150	0.026	0.278	1.24E-08	0.000	0.003	0.989	0.009	32.413	TRUE	1.57E-08
PEF	DAB2IP	cg14611152	rs78424955	A	G	-0.266	0.033	0.138	1.07E-15	0.004	0.004	0.222	0.017	64.255	TRUE	5.02E-15
PEF	DAB2IP	cg21182461	rs7853819	G	A	-0.232	0.026	0.267	2.23E-18	-0.001	0.003	0.709	0.020	76.433	TRUE	6.42E-18
PEF	DAB2IP	cg21234082	rs10120537	T	G	0.435	0.024	0.374	4.99E-75	-0.001	0.003	0.798	0.083	335.718	TRUE	6.86E-72
PEF	DAB2IP	cg21234082	rs10818491	T	C	0.137	0.023	0.435	4.88E-09	0.005	0.003	0.067	0.009	34.217	TRUE	1.96E-08

PEF	DAB2IP	cg21234082	rs10985332	T	C	-0.263	0.030	0.200	1.26E-18	-0.002	0.003	0.542	0.021	77.555	TRUE	4.48E-18
PEF	DAB2IP	cg21234082	rs10985449	A	C	0.176	0.024	0.428	2.35E-13	0.001	0.003	0.767	0.014	53.655	TRUE	4.62E-13
PEF	DAB2IP	cg21234082	rs118115974	A	G	-0.624	0.094	0.028	2.53E-11	-0.001	0.006	0.870	0.012	44.484	TRUE	4.05E-11
PEF	DAB2IP	cg21234082	rs12156434	C	T	0.265	0.031	0.173	2.78E-17	0.002	0.004	0.662	0.019	71.454	TRUE	7.68E-17
PEF	DAB2IP	cg21234082	rs12237140	T	C	-0.561	0.099	0.015	1.22E-08	0.001	0.011	0.956	0.009	32.438	TRUE	1.60E-08
PEF	DAB2IP	cg21234082	rs12350307	A	G	-0.351	0.045	0.073	4.16E-15	-0.007	0.005	0.171	0.016	61.590	TRUE	2.12E-14
PEF	DAB2IP	cg21234082	rs149391267	T	C	-0.889	0.122	0.022	2.69E-13	-0.005	0.008	0.560	0.014	53.391	TRUE	6.49E-13
PEF	DAB2IP	cg21234082	rs16911057	A	G	-0.400	0.036	0.121	9.00E-29	-0.002	0.004	0.692	0.032	123.801	TRUE	5.69E-28
PEF	DAB2IP	cg21234082	rs17292952	A	G	-0.596	0.063	0.046	6.37E-21	-0.011	0.006	0.078	0.023	88.005	TRUE	8.15E-20
PEF	DAB2IP	cg21234082	rs2300932	A	C	0.294	0.024	0.394	2.13E-34	-0.001	0.003	0.659	0.039	149.514	TRUE	2.27E-33
PEF	DAB2IP	cg21234082	rs2789883	G	A	-1.251	0.017	0.257	<1E-200	-0.001	0.003	0.809	0.582	5148.880	TRUE	<1E-200
PEF	DAB2IP	cg21234082	rs34846876	C	T	-0.171	0.029	0.222	2.89E-09	0.004	0.003	0.191	0.009	35.237	TRUE	8.38E-09
PEF	DAB2IP	cg21234082	rs514823	T	C	0.409	0.028	0.221	9.12E-50	-0.001	0.003	0.701	0.056	219.864	TRUE	4.56E-48
PEF	DAB2IP	cg21234082	rs57455029	A	G	-0.292	0.053	0.050	4.11E-08	0.001	0.006	0.914	0.008	30.083	TRUE	5.41E-08
PEF	DAB2IP	cg21234082	rs72758134	G	T	0.226	0.032	0.160	1.14E-12	0.002	0.004	0.548	0.013	50.555	TRUE	2.68E-12
PEF	DAB2IP	cg21234082	rs75318126	T	C	0.317	0.030	0.186	9.47E-26	0.003	0.003	0.436	0.029	110.008	TRUE	6.93E-25
PEF	DAB2IP	cg21234082	rs75791887	C	T	-0.507	0.055	0.044	2.85E-20	0.002	0.006	0.813	0.022	85.046	TRUE	8.08E-20
PEF	DAB2IP	cg21234082	rs78424955	A	G	0.219	0.033	0.138	5.11E-11	0.004	0.004	0.222	0.012	43.112	TRUE	1.61E-10
PEF	DAB2IP	cg21234082	rs7861752	T	C	0.167	0.024	0.435	2.13E-12	-0.006	0.003	0.028	0.013	49.334	TRUE	1.49E-11
PEF	DAB2IP	cg21234082	rs9408927	G	T	0.300	0.051	0.055	4.54E-09	0.001	0.005	0.830	0.009	34.359	TRUE	6.72E-09
PEF	DAPK2	cg01859228	rs11071770	T	C	0.329	0.027	0.269	2.41E-35	0.005	0.003	0.068	0.040	153.840	TRUE	1.71E-33
PEF	DAPK2	cg01859228	rs11854930	C	T	0.255	0.037	0.104	5.31E-12	-0.009	0.004	0.026	0.013	47.542	TRUE	3.76E-11
PEF	DAPK2	cg01859228	rs11857703	G	A	0.149	0.023	0.492	2.05E-10	0.004	0.003	0.104	0.011	40.398	TRUE	8.07E-10
PEF	DAPK2	cg01859228	rs17788807	T	C	0.330	0.029	0.196	4.42E-29	0.006	0.003	0.088	0.033	125.213	TRUE	1.28E-27
PEF	DAPK2	cg01859228	rs28729238	G	T	-0.826	0.021	0.349	<1E-200	-0.004	0.003	0.167	0.286	1481.855	TRUE	3.46E-283
PEF	DAPK2	cg01859228	rs332286	C	G	0.340	0.034	0.143	8.45E-24	0.000	0.004	0.964	0.027	101.113	TRUE	2.52E-23
PEF	DAPK2	cg01859228	rs4777602	G	A	0.198	0.034	0.140	6.79E-09	0.002	0.004	0.679	0.009	33.576	TRUE	1.11E-08
PEF	DAPK2	cg01859228	rs4984288	C	T	-0.197	0.024	0.385	3.13E-16	0.003	0.003	0.260	0.018	66.684	TRUE	1.43E-15
PEF	DAPK2	cg01859228	rs62023137	T	A	0.404	0.036	0.130	2.16E-29	0.008	0.004	0.048	0.033	126.628	TRUE	8.97E-28
PEF	DAPK2	cg01859228	rs62023393	T	C	-0.307	0.053	0.144	5.58E-09	-0.001	0.004	0.755	0.009	33.957	TRUE	8.71E-09
PEF	DAPK2	cg01859228	rs6494466	A	G	0.186	0.027	0.263	7.74E-12	0.001	0.003	0.870	0.012	46.804	TRUE	1.27E-11
PEF	DAPK2	cg01859228	rs7183733	T	C	0.185	0.025	0.330	2.24E-13	0.004	0.003	0.129	0.014	53.753	TRUE	1.10E-12
PEF	DAPK2	cg01859228	rs72750970	G	A	-0.536	0.060	0.048	6.91E-19	-0.004	0.005	0.469	0.021	78.747	TRUE	2.76E-18
PEF	DAPK2	cg01859228	rs72752943	A	G	-0.425	0.032	0.146	5.27E-40	-0.005	0.003	0.129	0.045	175.161	TRUE	4.30E-38
PEF	DAPK2	cg01859228	rs72755006	G	A	0.341	0.044	0.077	1.37E-14	-0.001	0.005	0.885	0.016	59.247	TRUE	2.54E-14
PEF	DAPK2	cg01859228	rs9921010	C	A	-0.234	0.039	0.089	2.31E-09	0.004	0.004	0.399	0.010	35.678	TRUE	5.07E-09
PEF	DAPK2	cg02919090	rs1018215	C	G	0.167	0.024	0.368	4.40E-12	-0.001	0.003	0.717	0.013	47.910	TRUE	8.28E-12
PEF	DAPK2	cg02919090	rs10851733	T	C	0.804	0.021	0.398	<1E-200	-0.005	0.003	0.062	0.289	1502.135	TRUE	6.77E-286
PEF	DAPK2	cg02919090	rs112479057	A	G	-0.354	0.063	0.036	2.31E-08	0.013	0.007	0.051	0.008	31.198	TRUE	8.92E-08
PEF	DAPK2	cg02919090	rs11630556	C	T	-0.371	0.036	0.136	2.26E-25	0.006	0.004	0.126	0.028	108.288	TRUE	3.63E-24
PEF	DAPK2	cg02919090	rs12441911	G	A	0.162	0.027	0.247	1.90E-09	0.002	0.003	0.614	0.010	36.051	TRUE	3.45E-09
PEF	DAPK2	cg02919090	rs12593770	A	G	-0.238	0.041	0.089	6.83E-09	0.004	0.005	0.374	0.009	33.566	TRUE	1.50E-08

PEF	DAPK2	cg02919090	rs16947645	T	C	-0.349	0.026	0.302	1.55E-42	0.002	0.003	0.408	0.048	186.743	TRUE	6.51E-41
PEF	DAPK2	cg02919090	rs1802376	A	G	-0.481	0.087	0.020	3.35E-08	0.021	0.009	0.025	0.008	30.478	TRUE	1.49E-07
PEF	DAPK2	cg02919090	rs1903325	T	A	0.366	0.051	0.053	1.25E-12	-0.007	0.006	0.218	0.013	50.379	TRUE	4.62E-12
PEF	DAPK2	cg02919090	rs192816899	C	T	-0.745	0.114	0.023	7.21E-11	-0.016	0.008	0.050	0.011	42.437	TRUE	3.74E-10
PEF	DAPK2	cg02919090	rs28808148	C	T	-0.458	0.044	0.077	1.00E-25	-0.006	0.005	0.215	0.029	109.897	TRUE	1.22E-24
PEF	DAPK2	cg02919090	rs332270	G	C	0.230	0.038	0.221	1.86E-09	-0.006	0.003	0.072	0.010	36.098	TRUE	7.36E-09
PEF	DAPK2	cg02919090	rs4984291	A	G	0.215	0.023	0.452	4.72E-20	0.002	0.003	0.364	0.022	84.049	TRUE	2.49E-19
PEF	DAPK2	cg02919090	rs56113145	A	G	-0.372	0.055	0.050	1.91E-11	-0.012	0.006	0.047	0.012	45.040	TRUE	1.07E-10
PEF	DAPK2	cg02919090	rs7178762	C	T	-0.322	0.024	0.460	2.42E-42	0.007	0.003	0.006	0.048	185.862	TRUE	1.42E-39
PEF	DAPK2	cg02919090	rs7183733	T	C	-0.172	0.025	0.330	8.36E-12	0.004	0.003	0.129	0.012	46.655	TRUE	3.53E-11
PEF	DAPK2	cg02919090	rs72750970	G	A	0.605	0.060	0.048	9.52E-24	-0.004	0.005	0.469	0.027	100.876	TRUE	5.60E-23
PEF	DAPK2	cg02919090	rs72752943	A	G	0.444	0.032	0.146	1.16E-43	-0.005	0.003	0.129	0.049	191.908	TRUE	1.49E-41
PEF	DAPK2	cg02919090	rs72755006	G	A	-0.332	0.044	0.077	6.76E-14	-0.001	0.005	0.885	0.015	56.108	TRUE	1.21E-13
PEF	DAPK2	cg02919090	rs79488359	G	T	-0.286	0.041	0.095	2.00E-12	-0.005	0.004	0.230	0.013	49.460	TRUE	7.16E-12
PEF	DAPK2	cg02919090	rs80265779	G	A	0.213	0.033	0.148	8.80E-11	0.003	0.004	0.356	0.011	42.048	TRUE	2.26E-10
PEF	DAPK2	cg02919090	rs8033972	A	G	-0.197	0.027	0.262	4.85E-13	0.000	0.003	0.941	0.014	52.238	TRUE	7.82E-13
PEF	DAPK2	cg02919090	rs9652430	T	A	-0.294	0.034	0.148	2.22E-18	0.001	0.004	0.728	0.020	76.441	TRUE	6.11E-18
PEF	DAPK2	cg02919090	rs9921010	C	A	0.252	0.039	0.089	1.21E-10	0.004	0.004	0.399	0.011	41.420	TRUE	2.92E-10
PEF	DAPK2	cg06904649	rs4776710	G	A	-0.189	0.023	0.466	7.34E-16	-0.003	0.003	0.234	0.017	65.006	TRUE	3.49E-15
PEF	DAPK2	cg07619672	rs332276	C	T	0.280	0.034	0.145	6.46E-17	0.000	0.004	0.928	0.019	69.795	TRUE	1.29E-16
PEF	DAPK2	cg11775215	rs16947140	T	C	-0.186	0.033	0.136	1.07E-08	-0.001	0.004	0.827	0.009	32.689	TRUE	1.55E-08
PEF	DAPK2	cg11775215	rs78181809	A	G	-0.899	0.058	0.035	2.28E-53	-0.008	0.007	0.247	0.060	236.369	TRUE	6.05E-51
PEF	DAPK2	cg13645296	rs9972469	A	C	0.231	0.024	0.448	1.31E-22	-0.003	0.003	0.175	0.025	95.681	TRUE	1.34E-21
PEF	DAPK2	cg23165541	rs12912128	C	T	-0.174	0.031	0.172	3.10E-08	-0.001	0.003	0.854	0.008	30.627	TRUE	4.29E-08
PEF	DAPK2	cg24729988	rs12902972	T	C	-0.172	0.023	0.464	1.41E-13	0.007	0.003	0.010	0.015	54.665	TRUE	1.62E-12
PEF	DAXX	cg03477252	rs3106194	A	G	0.319	0.025	0.310	2.40E-36	0.008	0.003	0.004	0.041	158.420	TRUE	6.50E-34
PEF	DAXX	cg03477252	rs55844831	G	A	0.333	0.060	0.035	3.20E-08	0.006	0.007	0.378	0.008	30.566	TRUE	6.64E-08
PEF	DAXX	cg04086445	rs11757081	T	A	-0.261	0.027	0.233	9.61E-23	0.007	0.003	0.021	0.025	96.301	TRUE	2.54E-21
PEF	DAXX	cg04086445	rs12202730	T	C	0.302	0.045	0.071	2.89E-11	0.006	0.005	0.242	0.012	44.224	TRUE	9.21E-11
PEF	DAXX	cg04086445	rs143149014	C	T	0.564	0.074	0.029	2.36E-14	0.014	0.008	0.060	0.015	58.176	TRUE	1.66E-13
PEF	DAXX	cg04086445	rs150420498	A	G	0.698	0.087	0.022	1.35E-15	0.009	0.008	0.267	0.017	63.798	TRUE	5.85E-15
PEF	DAXX	cg04086445	rs210155	C	T	-0.209	0.024	0.424	9.58E-19	-0.007	0.003	0.009	0.021	78.101	TRUE	2.08E-17
PEF	DAXX	cg04086445	rs2104362	G	A	-0.143	0.026	0.272	1.92E-08	0.002	0.003	0.412	0.008	31.560	TRUE	3.91E-08
PEF	DAXX	cg04086445	rs2239839	A	C	0.763	0.024	0.310	9.08E-230	0.008	0.003	0.003	0.221	1046.805	TRUE	1.09E-204
PEF	DAXX	cg04086445	rs23544	T	C	0.148	0.024	0.410	3.47E-10	0.009	0.003	4.30E-04	0.011	39.371	TRUE	4.66E-09
PEF	DAXX	cg04086445	rs3130257	T	C	-0.260	0.034	0.126	1.40E-14	0.005	0.004	0.148	0.016	59.200	TRUE	7.12E-14
PEF	DAXX	cg04086445	rs443972	C	T	-0.417	0.075	0.035	2.30E-08	-0.003	0.006	0.654	0.008	31.208	TRUE	3.76E-08
PEF	DAXX	cg04086445	rs5745565	C	T	0.585	0.074	0.030	2.29E-15	-0.005	0.007	0.482	0.017	62.764	TRUE	6.96E-15
PEF	DAXX	cg04086445	rs622917	T	C	-0.142	0.023	0.472	1.09E-09	0.001	0.003	0.775	0.010	37.145	TRUE	1.72E-09
PEF	DAXX	cg04086445	rs6457734	T	G	-0.252	0.026	0.281	1.16E-22	-0.006	0.003	0.026	0.025	95.924	TRUE	2.77E-21
PEF	DAXX	cg04086445	rs78906361	C	T	-0.300	0.052	0.053	9.78E-09	-0.030	0.006	9.58E-08	0.009	32.867	TRUE	2.72E-07
PEF	DAXX	cg04086445	rs9469532	A	G	-0.160	0.024	0.370	2.75E-11	-0.001	0.003	0.684	0.012	44.325	TRUE	5.21E-11

PEF	DAXX	cg05431670	rs114542428	G	A	-0.353	0.046	0.075	9.97E-15	-0.019	0.005	1.95E-04	0.016	59.870	TRUE	3.15E-13
PEF	DAXX	cg05431670	rs115775530	A	T	0.768	0.075	0.028	2.24E-24	0.014	0.008	0.068	0.027	103.742	TRUE	4.34E-23
PEF	DAXX	cg05431670	rs12202730	T	C	0.610	0.045	0.071	4.50E-41	0.006	0.005	0.242	0.046	180.049	TRUE	2.61E-39
PEF	DAXX	cg05431670	rs12214637	A	G	0.175	0.028	0.225	5.08E-10	-0.001	0.003	0.668	0.010	38.625	TRUE	9.02E-10
PEF	DAXX	cg05431670	rs146253626	T	C	0.835	0.091	0.034	5.20E-20	-0.005	0.009	0.561	0.022	83.855	TRUE	2.00E-19
PEF	DAXX	cg05431670	rs1535949	A	G	0.180	0.028	0.233	1.73E-10	-0.004	0.003	0.145	0.011	40.726	TRUE	6.10E-10
PEF	DAXX	cg05431670	rs210155	C	T	-0.263	0.024	0.424	3.88E-28	-0.007	0.003	0.009	0.032	120.906	TRUE	2.74E-26
PEF	DAXX	cg05431670	rs2104362	G	A	-0.207	0.026	0.272	1.19E-15	0.002	0.003	0.412	0.017	64.057	TRUE	4.08E-15
PEF	DAXX	cg05431670	rs2269610	C	G	-0.405	0.031	0.163	1.84E-39	0.004	0.003	0.268	0.045	172.677	TRUE	8.20E-38
PEF	DAXX	cg05431670	rs2274198	A	G	-0.141	0.025	0.354	1.13E-08	-0.002	0.003	0.455	0.009	32.583	TRUE	2.28E-08
PEF	DAXX	cg05431670	rs23544	T	C	0.243	0.024	0.410	3.33E-24	0.009	0.003	4.30E-04	0.027	102.959	TRUE	3.86E-22
PEF	DAXX	cg05431670	rs3130256	A	G	0.975	0.019	0.350	<1E-200	0.010	0.003	3.40E-04	0.410	2575.802	TRUE	<1E-200
PEF	DAXX	cg05431670	rs34931270	A	G	0.806	0.085	0.024	1.59E-21	0.010	0.008	0.200	0.024	90.752	TRUE	1.34E-20
PEF	DAXX	cg05431670	rs35881303	A	G	-0.415	0.024	0.401	1.80E-69	0.007	0.003	0.006	0.077	310.218	TRUE	8.66E-65
PEF	DAXX	cg05431670	rs443972	C	T	-0.423	0.075	0.035	1.44E-08	-0.003	0.006	0.654	0.009	32.116	TRUE	2.38E-08
PEF	DAXX	cg05431670	rs4559081	A	G	0.208	0.030	0.186	3.42E-12	0.003	0.003	0.362	0.013	48.404	TRUE	9.69E-12
PEF	DAXX	cg05431670	rs547391	A	T	0.344	0.028	0.242	1.16E-34	-0.006	0.003	0.076	0.039	150.712	TRUE	6.85E-33
PEF	DAXX	cg05431670	rs55844831	G	A	0.780	0.060	0.035	2.74E-38	0.006	0.007	0.378	0.043	167.305	TRUE	7.75E-37
PEF	DAXX	cg05431670	rs622917	T	C	-0.260	0.023	0.472	1.26E-28	0.001	0.003	0.775	0.032	123.130	TRUE	6.88E-28
PEF	DAXX	cg05431670	rs68191	C	T	-0.309	0.040	0.094	1.54E-14	-0.010	0.004	0.016	0.016	59.021	TRUE	1.69E-13
PEF	DAXX	cg05431670	rs73420616	A	G	-0.296	0.054	0.050	4.74E-08	-0.026	0.006	1.51E-05	0.008	29.803	TRUE	6.43E-07
PEF	DAXX	cg05431670	rs78372511	A	G	-0.387	0.061	0.037	2.48E-10	0.005	0.007	0.429	0.011	40.022	TRUE	5.69E-10
PEF	DAXX	cg09365002	rs2239839	A	C	0.254	0.026	0.310	2.74E-23	0.008	0.003	0.003	0.026	98.788	TRUE	1.38E-21
PEF	DAXX	cg09597022	rs3106194	A	G	0.288	0.026	0.310	2.00E-29	0.008	0.003	0.004	0.033	126.783	TRUE	2.11E-27
PEF	DAXX	cg09992055	rs469064	A	C	0.144	0.023	0.498	4.41E-10	0.009	0.003	6.43E-04	0.010	38.901	TRUE	5.28E-09
PEF	DAXX	cg13826470	rs115775530	A	T	0.720	0.075	0.028	1.05E-21	0.014	0.008	0.068	0.024	91.565	TRUE	1.53E-20
PEF	DAXX	cg13826470	rs11966717	T	C	-0.283	0.052	0.054	4.22E-08	-0.028	0.006	4.32E-07	0.008	30.031	TRUE	8.62E-07
PEF	DAXX	cg13826470	rs12202730	T	C	0.438	0.046	0.071	7.58E-22	0.006	0.005	0.242	0.024	92.216	TRUE	6.01E-21
PEF	DAXX	cg13826470	rs146253626	T	C	0.574	0.091	0.034	2.98E-10	-0.005	0.009	0.561	0.011	39.667	TRUE	5.91E-10
PEF	DAXX	cg13826470	rs1535949	A	G	0.159	0.028	0.233	1.54E-08	-0.004	0.003	0.145	0.009	31.979	TRUE	4.54E-08
PEF	DAXX	cg13826470	rs210199	A	C	-0.181	0.025	0.366	1.85E-13	-0.006	0.003	0.016	0.014	54.133	TRUE	1.84E-12
PEF	DAXX	cg13826470	rs2239839	A	C	0.959	0.020	0.310	<1E-200	0.008	0.003	0.003	0.379	2261.272	TRUE	<1E-200
PEF	DAXX	cg13826470	rs2269610	C	G	-0.258	0.031	0.163	7.26E-17	0.004	0.003	0.268	0.018	69.564	TRUE	3.54E-16
PEF	DAXX	cg13826470	rs23544	T	C	0.222	0.024	0.410	1.09E-20	0.009	0.003	4.30E-04	0.023	86.947	TRUE	7.50E-19
PEF	DAXX	cg13826470	rs34931270	A	G	0.802	0.085	0.024	2.55E-21	0.010	0.008	0.200	0.024	89.817	TRUE	2.11E-20
PEF	DAXX	cg13826470	rs493063	A	G	0.291	0.030	0.212	7.78E-23	-0.006	0.003	0.076	0.025	96.719	TRUE	1.22E-21
PEF	DAXX	cg13826470	rs55844831	G	A	0.669	0.060	0.035	8.65E-29	0.006	0.007	0.378	0.032	123.880	TRUE	9.42E-28
PEF	DAXX	cg13826470	rs622917	T	C	-0.223	0.023	0.472	1.92E-21	0.001	0.003	0.775	0.024	90.376	TRUE	6.12E-21
PEF	DAXX	cg13826470	rs6457734	T	G	-0.276	0.026	0.281	1.63E-26	-0.006	0.003	0.026	0.030	113.492	TRUE	6.10E-25
PEF	DAXX	cg13826470	rs7750412	G	A	-0.182	0.030	0.193	7.74E-10	0.005	0.003	0.144	0.010	37.805	TRUE	2.57E-09
PEF	DAXX	cg13826470	rs9461921	A	G	0.134	0.023	0.492	9.22E-09	-0.002	0.003	0.431	0.009	32.981	TRUE	1.90E-08
PEF	DAXX	cg14910283	rs3130018	A	G	0.139	0.023	0.485	1.93E-09	0.009	0.003	1.83E-04	0.010	36.023	TRUE	2.51E-08

PEF	DAXX	cg18934106	rs2269610	C	G	-0.202	0.031	0.163	7.29E-11	0.004	0.003	0.268	0.011	42.417	TRUE	2.16E-10
PEF	DAXX	cg20223162	rs10947459	T	G	0.224	0.032	0.167	2.38E-12	-0.006	0.004	0.102	0.013	49.118	TRUE	1.12E-11
PEF	DAXX	cg20223162	rs111461772	A	C	0.370	0.053	0.042	2.37E-12	0.027	0.006	3.54E-06	0.013	49.122	TRUE	9.49E-11
PEF	DAXX	cg20223162	rs114542428	G	A	-0.417	0.045	0.075	4.22E-20	-0.019	0.005	1.95E-04	0.022	84.267	TRUE	3.08E-18
PEF	DAXX	cg20223162	rs12190797	A	G	0.348	0.047	0.068	2.08E-13	0.008	0.005	0.138	0.014	53.903	TRUE	9.98E-13
PEF	DAXX	cg20223162	rs151719	C	T	-0.198	0.027	0.248	2.11E-13	-0.003	0.003	0.380	0.014	53.871	TRUE	6.49E-13
PEF	DAXX	cg20223162	rs2071556	G	T	-0.138	0.024	0.407	8.06E-09	0.004	0.003	0.122	0.009	33.242	TRUE	2.62E-08
PEF	DAXX	cg20223162	rs210134	A	G	-0.293	0.025	0.312	6.18E-32	-0.007	0.003	0.007	0.036	138.252	TRUE	7.94E-30
PEF	DAXX	cg20223162	rs2104362	G	A	-0.148	0.026	0.272	1.14E-08	0.002	0.003	0.412	0.009	32.577	TRUE	2.35E-08
PEF	DAXX	cg20223162	rs443972	C	T	-0.539	0.074	0.035	4.34E-13	-0.003	0.006	0.654	0.014	52.457	TRUE	9.33E-13
PEF	DAXX	cg20223162	rs467274	T	C	-0.490	0.036	0.110	4.72E-42	0.008	0.004	0.053	0.048	184.534	TRUE	8.53E-40
PEF	DAXX	cg20223162	rs469064	A	C	0.824	0.020	0.498	<1E-200	0.009	0.003	6.43E-04	0.319	1728.854	TRUE	<1E-200
PEF	DAXX	cg20223162	rs4713637	C	G	0.237	0.030	0.203	5.34E-15	-0.006	0.003	0.042	0.016	61.098	TRUE	4.69E-14
PEF	DAXX	cg20223162	rs4713651	T	C	-0.230	0.030	0.182	2.14E-14	0.007	0.003	0.031	0.016	58.367	TRUE	1.92E-13
PEF	DAXX	cg20223162	rs55844831	G	A	0.466	0.061	0.035	1.44E-14	0.006	0.007	0.378	0.016	59.147	TRUE	4.76E-14
PEF	DAXX	cg20223162	rs59248104	G	A	-0.207	0.037	0.124	1.48E-08	-0.012	0.004	0.001	0.009	32.058	TRUE	1.17E-07
PEF	DAXX	cg20223162	rs761583	G	A	0.459	0.059	0.041	1.13E-14	0.013	0.006	0.041	0.016	59.623	TRUE	9.47E-14
PEF	DAXX	cg20223162	rs77412621	T	C	0.406	0.060	0.045	1.40E-11	0.006	0.006	0.329	0.012	45.651	TRUE	3.98E-11
PEF	DAXX	cg20223162	rs9469494	G	A	0.140	0.026	0.288	4.17E-08	0.010	0.003	2.87E-04	0.008	30.054	TRUE	4.03E-07
PEF	DAXX	cg20618109	rs2051625	C	T	0.784	0.102	0.012	1.48E-14	0.003	0.012	0.786	0.016	59.091	TRUE	3.02E-14
PEF	DAXX	cg22904406	rs2239839	A	C	0.396	0.025	0.310	8.57E-55	0.008	0.003	0.003	0.062	242.904	TRUE	4.15E-51
PEF	DAXX	cg22904406	rs3130257	T	C	-0.196	0.034	0.126	1.40E-08	0.005	0.004	0.148	0.009	32.171	TRUE	4.10E-08
PEF	DAXX	cg26500914	rs3106194	A	G	0.397	0.025	0.310	4.67E-55	0.008	0.003	0.004	0.062	244.112	TRUE	2.11E-51
PEF	DAXX	cg26521092	rs12202730	T	C	0.285	0.045	0.071	3.40E-10	0.006	0.005	0.242	0.011	39.411	TRUE	9.89E-10
PEF	DAXX	cg26521092	rs210129	G	A	-0.201	0.029	0.202	1.87E-12	-0.008	0.003	0.007	0.013	49.587	TRUE	1.96E-11
PEF	DAXX	cg26521092	rs2239839	A	C	0.620	0.024	0.310	3.58E-145	0.008	0.003	0.003	0.151	657.898	TRUE	1.14E-132
PEF	DAXX	cg26521092	rs2269610	C	G	-0.195	0.031	0.163	2.07E-10	0.004	0.003	0.268	0.011	40.379	TRUE	5.92E-10
PEF	DAXX	cg26521092	rs23544	T	C	0.139	0.024	0.410	3.67E-09	0.009	0.003	4.30E-04	0.009	34.771	TRUE	4.14E-08
PEF	DAXX	cg26521092	rs34931270	A	G	0.516	0.085	0.024	1.21E-09	0.010	0.008	0.200	0.010	36.939	TRUE	3.56E-09
PEF	DAXX	cg26521092	rs55844831	G	A	0.487	0.059	0.035	2.48E-16	0.006	0.007	0.378	0.018	67.140	TRUE	9.39E-16
PEF	DAXX	cg26521092	rs78581891	C	G	0.412	0.074	0.029	2.03E-08	0.015	0.008	0.056	0.008	31.446	TRUE	7.75E-08
PEF	DAXX	cg26521092	rs9469525	A	G	0.184	0.029	0.205	3.76E-10	-0.006	0.003	0.065	0.010	39.213	TRUE	1.70E-09
PEF	DAXX	cg27052777	rs3130018	A	G	0.195	0.023	0.485	7.94E-17	0.009	0.003	1.83E-04	0.018	69.387	TRUE	3.50E-15
PEF	DBH	cg06708731	rs10993769	T	C	0.218	0.025	0.333	4.53E-18	-0.001	0.003	0.723	0.020	75.035	TRUE	1.21E-17
PEF	DBH	cg06708731	rs522673	T	C	-0.158	0.028	0.226	1.32E-08	-0.005	0.003	0.086	0.009	32.281	TRUE	4.65E-08
PEF	DBH	cg13521156	rs1076150	T	C	-0.158	0.023	0.487	1.68E-11	-0.004	0.003	0.157	0.012	45.292	TRUE	6.51E-11
PEF	DBH	cg13521156	rs3025403	T	C	0.289	0.045	0.071	1.38E-10	-0.001	0.005	0.829	0.011	41.174	TRUE	2.20E-10
PEF	DBH	cg13651137	rs10993770	A	C	-0.218	0.025	0.335	4.58E-18	-0.001	0.003	0.730	0.020	75.013	TRUE	1.22E-17
PEF	DBH	cg13651137	rs476835	G	C	0.259	0.025	0.305	2.02E-24	0.005	0.003	0.076	0.027	103.943	TRUE	3.80E-23
PEF	DBH	cg13651137	rs9409876	A	C	0.197	0.029	0.200	6.56E-12	0.003	0.003	0.353	0.013	47.129	TRUE	1.86E-11
PEF	DBH	cg14007688	rs10993958	A	G	0.411	0.065	0.083	2.01E-10	-0.003	0.005	0.557	0.011	40.439	TRUE	4.03E-10
PEF	DBH	cg14007688	rs112729928	T	C	-1.051	0.116	0.026	1.45E-19	-0.006	0.007	0.352	0.022	81.824	TRUE	7.41E-19

PEF	DBH	cg14007688	rs117630211	G	A	-0.891	0.074	0.027	1.29E-33	0.020	0.007	0.005	0.038	145.931	TRUE	2.31E-31
PEF	DBH	cg14007688	rs118160162	C	T	0.413	0.064	0.030	7.59E-11	-0.006	0.006	0.309	0.011	42.338	TRUE	2.09E-10
PEF	DBH	cg14007688	rs129885	A	C	0.443	0.028	0.198	7.81E-55	0.003	0.003	0.300	0.062	243.088	TRUE	2.07E-52
PEF	DBH	cg14007688	rs13290909	C	T	-0.270	0.045	0.075	1.35E-09	0.004	0.005	0.350	0.010	36.719	TRUE	3.21E-09
PEF	DBH	cg14007688	rs148878363	G	A	-0.773	0.104	0.025	1.31E-13	0.004	0.009	0.622	0.015	54.806	TRUE	3.00E-13
PEF	DBH	cg14007688	rs1548368	A	G	0.394	0.023	0.468	1.58E-64	-0.001	0.003	0.799	0.072	287.541	TRUE	4.31E-62
PEF	DBH	cg14007688	rs2510245	G	A	-0.346	0.024	0.421	1.50E-48	-0.004	0.003	0.150	0.055	214.295	TRUE	3.11E-46
PEF	DBH	cg14007688	rs2519150	C	T	-0.172	0.023	0.494	2.39E-13	-0.001	0.003	0.856	0.014	53.627	TRUE	4.32E-13
PEF	DBH	cg14007688	rs3025422	C	T	-0.735	0.131	0.015	1.89E-08	0.002	0.011	0.894	0.008	31.589	TRUE	2.58E-08
PEF	DBH	cg14007688	rs59164034	G	C	0.398	0.034	0.138	1.80E-32	-0.008	0.004	0.023	0.037	140.697	TRUE	1.49E-30
PEF	DBH	cg14007688	rs62575417	C	T	-0.453	0.051	0.101	1.31E-18	0.005	0.004	0.203	0.021	77.489	TRUE	8.53E-18
PEF	DBH	cg14007688	rs7851898	C	G	-1.138	0.020	0.237	<1E-200	-0.002	0.003	0.471	0.459	3142.276	TRUE	<1E-200
PEF	DBH	cg14138047	rs1611115	T	C	-0.202	0.029	0.193	4.24E-12	0.003	0.003	0.381	0.013	47.983	TRUE	1.16E-11
PEF	DBH	cg14138047	rs2073837	A	G	-0.375	0.026	0.291	6.22E-48	0.001	0.003	0.657	0.054	211.462	TRUE	2.75E-46
PEF	DBH	cg14138047	rs694821	C	T	-0.202	0.024	0.452	2.57E-17	0.002	0.003	0.500	0.019	71.611	TRUE	8.65E-17
PEF	DBH	cg14138047	rs9409879	G	C	0.234	0.030	0.171	1.43E-14	0.003	0.003	0.345	0.016	59.155	TRUE	4.99E-14
PEF	DBH	cg14368247	rs7864658	G	A	0.176	0.031	0.492	1.71E-08	0.004	0.003	0.157	0.009	31.776	TRUE	5.03E-08
PEF	DBH	cg14581628	rs10993769	T	C	0.284	0.025	0.333	1.52E-29	-0.001	0.003	0.723	0.033	127.330	TRUE	9.50E-29
PEF	DBH	cg14581628	rs2519153	C	A	0.178	0.025	0.324	1.10E-12	-0.001	0.003	0.665	0.014	50.624	TRUE	2.25E-12
PEF	DBH	cg25020204	rs10993770	A	C	0.170	0.025	0.335	1.58E-11	-0.001	0.003	0.730	0.012	45.406	TRUE	2.86E-11
PEF	DBH	cg25020204	rs1611114	T	C	-0.315	0.027	0.265	2.13E-32	-0.006	0.003	0.028	0.037	140.366	TRUE	1.61E-30
PEF	DBH	cg25020204	rs6479629	T	C	0.146	0.025	0.297	9.01E-09	-0.002	0.003	0.548	0.009	33.026	TRUE	1.64E-08
PEF	DCC	cg00399483	rs1222938	G	A	-0.157	0.027	0.262	7.15E-09	0.008	0.003	0.005	0.009	33.475	TRUE	4.81E-08
PEF	DCC	cg00399483	rs12965852	A	G	-0.340	0.049	0.062	5.41E-12	0.006	0.005	0.227	0.013	47.508	TRUE	1.87E-11
PEF	DCC	cg00399483	rs2060125	C	T	-0.173	0.024	0.372	3.86E-13	0.003	0.003	0.284	0.014	52.684	TRUE	1.33E-12
PEF	DCC	cg00399483	rs7242705	A	T	0.461	0.024	0.360	1.28E-83	-0.007	0.003	0.011	0.092	375.147	TRUE	6.40E-78
PEF	DCC	cg00399483	rs9952404	C	T	-0.228	0.024	0.340	1.26E-20	0.004	0.003	0.177	0.023	86.664	TRUE	1.08E-19
PEF	DCC	cg05416337	rs10502942	T	C	-0.969	0.034	0.112	2.46E-183	-0.003	0.004	0.513	0.184	833.317	TRUE	2.12E-168
PEF	DCC	cg05416337	rs1144049	C	T	-0.191	0.024	0.447	5.67E-16	0.000	0.003	0.910	0.017	65.514	TRUE	1.11E-15
PEF	DCC	cg05416337	rs117072189	G	T	-0.637	0.089	0.023	7.75E-13	0.022	0.009	0.015	0.014	51.316	TRUE	6.89E-12
PEF	DCC	cg05416337	rs1222914	C	G	0.303	0.042	0.078	5.23E-13	0.007	0.005	0.130	0.014	52.087	TRUE	2.46E-12
PEF	DCC	cg05416337	rs12457059	A	C	0.448	0.030	0.193	1.38E-51	-0.006	0.003	0.052	0.058	228.208	TRUE	9.39E-49
PEF	DCC	cg05416337	rs12607660	T	C	-0.182	0.024	0.458	1.47E-14	0.000	0.003	0.940	0.016	59.103	TRUE	2.59E-14
PEF	DCC	cg05416337	rs12608309	C	T	-0.240	0.039	0.097	7.26E-10	-0.002	0.004	0.601	0.010	37.928	TRUE	1.34E-09
PEF	DCC	cg05416337	rs1443579	T	C	0.478	0.031	0.161	3.87E-52	0.005	0.003	0.174	0.059	230.737	TRUE	1.19E-49
PEF	DCC	cg05416337	rs1445104	G	T	-0.163	0.023	0.481	2.59E-12	-0.003	0.003	0.285	0.013	48.950	TRUE	8.38E-12
PEF	DCC	cg05416337	rs145810822	G	T	-0.904	0.095	0.033	1.12E-21	-0.007	0.008	0.359	0.024	91.448	TRUE	6.73E-21
PEF	DCC	cg05416337	rs1562175	T	C	-0.356	0.031	0.165	2.42E-30	0.002	0.003	0.557	0.034	130.973	TRUE	2.23E-29
PEF	DCC	cg05416337	rs16954946	C	G	0.392	0.068	0.030	9.73E-09	-0.005	0.008	0.516	0.009	32.878	TRUE	1.83E-08
PEF	DCC	cg05416337	rs17669415	G	C	0.564	0.024	0.319	1.03E-119	-0.007	0.003	0.016	0.128	540.915	TRUE	1.12E-110
PEF	DCC	cg05416337	rs17669944	T	C	-0.585	0.053	0.047	5.82E-28	-0.006	0.005	0.267	0.031	120.101	TRUE	7.61E-27
PEF	DCC	cg05416337	rs28439197	G	A	-0.177	0.024	0.454	1.31E-13	0.000	0.003	0.957	0.015	54.807	TRUE	2.12E-13

PEF	DCC	cg05416337	rs2850943	C	T	-0.443	0.040	0.095	8.61E-29	0.003	0.004	0.558	0.032	123.889	TRUE	6.70E-28
PEF	DCC	cg05416337	rs34220152	G	C	-0.828	0.114	0.021	4.03E-13	-0.004	0.009	0.641	0.014	52.597	TRUE	8.77E-13
PEF	DCC	cg05416337	rs35624144	C	T	-0.151	0.024	0.476	2.40E-10	-0.001	0.003	0.674	0.011	40.092	TRUE	4.31E-10
PEF	DCC	cg05416337	rs4041457	A	G	-1.054	0.025	0.194	<1E-200	0.002	0.003	0.637	0.320	1741.031	TRUE	<1E-200
PEF	DCC	cg05416337	rs62081913	T	C	-0.440	0.061	0.041	4.37E-13	-0.002	0.007	0.817	0.014	52.439	TRUE	7.97E-13
PEF	DCC	cg05416337	rs72922665	A	G	-0.307	0.035	0.129	4.12E-18	-0.001	0.004	0.789	0.020	75.222	TRUE	1.04E-17
PEF	DCC	cg05416337	rs75117057	T	A	-0.806	0.078	0.024	3.98E-25	0.011	0.008	0.145	0.028	107.164	TRUE	5.71E-24
PEF	DCC	cg05416337	rs8089622	G	T	0.158	0.029	0.200	3.69E-08	-0.005	0.003	0.090	0.008	30.287	TRUE	1.20E-07
PEF	DCC	cg18841634	rs7242705	A	T	-0.253	0.024	0.360	1.33E-25	-0.007	0.003	0.011	0.029	109.328	TRUE	6.55E-24
PEF	DCC	cg18866015	rs2879423	C	G	-0.195	0.027	0.238	7.82E-13	0.004	0.003	0.184	0.014	51.300	TRUE	3.20E-12
PEF	DCC	cg18866015	rs34420569	C	T	0.188	0.024	0.385	3.71E-15	-0.005	0.003	0.087	0.016	61.815	TRUE	2.54E-14
PEF	DCC	cg18866015	rs9950982	T	C	-0.217	0.027	0.249	1.96E-15	0.007	0.003	0.013	0.017	63.073	TRUE	2.52E-14
PEF	DCC	cg18866015	rs9966338	G	C	-0.328	0.024	0.338	2.19E-41	0.007	0.003	0.006	0.047	181.484	TRUE	1.04E-38
PEF	DCC	cg20917891	rs7242705	A	T	0.300	0.024	0.360	8.35E-36	-0.007	0.003	0.011	0.040	155.942	TRUE	1.55E-33
PEF	DCC	cg21623566	rs17747515	T	C	0.151	0.025	0.318	1.09E-09	-0.007	0.003	0.016	0.010	37.138	TRUE	6.52E-09
PEF	DCC	cg24084891	rs76178218	T	C	-0.195	0.031	0.161	3.97E-10	0.004	0.003	0.187	0.010	39.106	TRUE	1.27E-09
PEF	DCC	cg25602457	rs13381479	T	G	0.348	0.025	0.316	3.02E-44	-0.007	0.003	0.012	0.050	194.580	TRUE	1.67E-41
PEF	DCC	cg25818763	rs8083215	A	G	-0.187	0.025	0.323	5.54E-14	-0.007	0.003	0.010	0.015	56.499	TRUE	6.49E-13
PEF	DDX47	cg13523561	rs56303669	G	T	0.366	0.038	0.173	5.58E-22	0.006	0.003	0.071	0.024	92.822	TRUE	8.35E-21
PEF	DDX47	cg14463304	rs11834397	G	T	0.156	0.024	0.364	1.56E-10	0.008	0.003	0.005	0.011	40.931	TRUE	1.32E-09
PEF	DDX47	cg21196265	rs11055070	G	A	-0.143	0.024	0.358	4.27E-09	-0.001	0.003	0.594	0.009	34.479	TRUE	7.68E-09
PEF	DDX47	cg21196265	rs11832039	G	C	0.174	0.025	0.367	1.64E-12	0.008	0.003	0.003	0.013	49.848	TRUE	2.12E-11
PEF	DDX5	cg08350119	rs112616321	C	T	-0.893	0.077	0.027	8.21E-31	-0.019	0.008	0.021	0.035	133.120	TRUE	5.81E-29
PEF	DDX5	cg14548777	rs141114501	T	C	-0.526	0.054	0.045	2.54E-22	-0.003	0.006	0.530	0.025	94.376	TRUE	1.21E-21
PEF	DDX5	cg23225508	rs1991401	G	A	0.206	0.025	0.328	2.14E-16	0.012	0.003	6.97E-06	0.018	67.435	TRUE	1.67E-14
PEF	DEF8	cg01883217	rs11649196	A	G	-0.343	0.033	0.145	1.01E-24	0.004	0.004	0.253	0.028	105.317	TRUE	1.00E-23
PEF	DEF8	cg01883217	rs11649211	G	C	-0.500	0.025	0.281	4.06E-87	0.000	0.003	0.923	0.096	391.209	TRUE	3.06E-83
PEF	DEF8	cg01883217	rs12595968	T	G	0.268	0.048	0.066	2.06E-08	0.007	0.005	0.183	0.008	31.422	TRUE	5.60E-08
PEF	DEF8	cg01883217	rs146018050	C	G	-0.810	0.138	0.016	3.88E-09	0.009	0.010	0.399	0.009	34.666	TRUE	8.41E-09
PEF	DEF8	cg01883217	rs147123965	T	C	-0.472	0.061	0.035	7.74E-15	-0.005	0.007	0.533	0.016	60.367	TRUE	2.15E-14
PEF	DEF8	cg01883217	rs150237316	T	C	-0.446	0.070	0.030	1.37E-10	0.002	0.008	0.775	0.011	41.187	TRUE	2.28E-10
PEF	DEF8	cg01883217	rs150246110	A	G	-0.555	0.089	0.014	5.00E-10	-0.005	0.010	0.624	0.010	38.658	TRUE	9.24E-10
PEF	DEF8	cg01883217	rs17719735	A	G	0.272	0.050	0.065	4.76E-08	0.002	0.005	0.754	0.008	29.797	TRUE	7.07E-08
PEF	DEF8	cg01883217	rs17774983	T	C	-0.561	0.066	0.030	2.13E-17	0.009	0.008	0.242	0.019	71.986	TRUE	1.13E-16
PEF	DEF8	cg01883217	rs187492937	G	C	0.371	0.063	0.046	5.14E-09	0.009	0.006	0.159	0.009	34.116	TRUE	1.55E-08
PEF	DEF8	cg01883217	rs34686253	C	T	0.466	0.066	0.038	1.85E-12	0.008	0.007	0.269	0.013	49.615	TRUE	6.14E-12
PEF	DEF8	cg01883217	rs4248913	A	C	0.329	0.039	0.095	2.79E-17	-0.003	0.004	0.473	0.019	71.450	TRUE	9.98E-17
PEF	DEF8	cg01883217	rs4627348	T	C	0.253	0.024	0.376	1.10E-25	0.001	0.003	0.589	0.029	109.713	TRUE	6.28E-25
PEF	DEF8	cg01883217	rs58889676	T	A	0.501	0.084	0.022	1.98E-09	-0.001	0.009	0.927	0.010	35.974	TRUE	2.75E-09
PEF	DEF8	cg01883217	rs62054623	G	A	-0.678	0.048	0.058	9.72E-46	0.014	0.005	0.008	0.052	201.413	TRUE	8.02E-43
PEF	DEF8	cg01883217	rs66701606	T	C	0.302	0.027	0.256	4.41E-29	0.004	0.003	0.229	0.033	125.215	TRUE	7.19E-28
PEF	DEF8	cg01883217	rs7200403	G	A	0.393	0.024	0.366	2.52E-58	-0.002	0.003	0.451	0.065	259.095	TRUE	6.73E-56

PEF	DEF8	cg01883217	rs7205758	A	G	-0.173	0.024	0.357	1.02E-12	0.003	0.003	0.255	0.014	50.768	TRUE	3.61E-12
PEF	DEF8	cg01883217	rs9933533	C	T	-0.140	0.023	0.479	2.27E-09	-0.004	0.003	0.100	0.010	35.704	TRUE	8.07E-09
PEF	DEF8	cg02061948	rs11646910	A	G	-0.311	0.039	0.103	1.20E-15	0.000	0.004	0.933	0.017	64.044	TRUE	2.21E-15
PEF	DEF8	cg02061948	rs11859206	C	A	-0.736	0.036	0.116	3.78E-95	-0.004	0.004	0.299	0.104	428.082	TRUE	8.73E-90
PEF	DEF8	cg02061948	rs13336744	T	G	-0.541	0.080	0.030	1.13E-11	0.000	0.008	0.980	0.012	46.056	TRUE	1.66E-11
PEF	DEF8	cg02061948	rs150246110	A	G	-0.702	0.088	0.014	2.07E-15	-0.005	0.010	0.624	0.017	62.964	TRUE	5.34E-15
PEF	DEF8	cg02061948	rs34539781	T	C	0.285	0.039	0.094	4.46E-13	0.011	0.004	0.008	0.014	52.401	TRUE	4.78E-12
PEF	DEF8	cg02061948	rs4461072	G	C	-0.268	0.033	0.157	7.62E-16	-0.002	0.004	0.659	0.017	64.931	TRUE	1.94E-15
PEF	DEF8	cg02061948	rs4785775	A	C	-0.158	0.024	0.397	2.56E-11	-0.003	0.003	0.248	0.012	44.465	TRUE	8.00E-11
PEF	DEF8	cg02061948	rs67632157	A	G	0.163	0.024	0.420	9.77E-12	0.005	0.003	0.035	0.012	46.349	TRUE	6.38E-11
PEF	DEF8	cg02061948	rs7184956	T	C	-0.225	0.024	0.374	9.50E-21	0.000	0.003	0.886	0.023	87.216	TRUE	2.56E-20
PEF	DEF8	cg02061948	rs8060230	T	C	-0.528	0.063	0.030	5.21E-17	-0.003	0.007	0.676	0.019	70.219	TRUE	1.40E-16
PEF	DEF8	cg02061948	rs8062311	A	G	-0.233	0.034	0.136	4.36E-12	-0.004	0.004	0.280	0.013	47.928	TRUE	1.39E-11
PEF	DEF8	cg03721293	rs11076647	C	A	-0.137	0.025	0.306	4.68E-08	-0.003	0.003	0.277	0.008	29.829	TRUE	1.07E-07
PEF	DEF8	cg03721293	rs11640198	T	C	0.150	0.027	0.251	2.62E-08	0.002	0.003	0.500	0.008	30.952	TRUE	4.88E-08
PEF	DEF8	cg03721293	rs11649196	A	G	0.333	0.033	0.145	1.33E-23	0.004	0.004	0.253	0.026	100.221	TRUE	1.18E-22
PEF	DEF8	cg03721293	rs1558151	A	T	0.171	0.028	0.223	1.54E-09	0.002	0.003	0.552	0.010	36.458	TRUE	2.93E-09
PEF	DEF8	cg03721293	rs62068712	G	A	0.191	0.031	0.167	1.29E-09	0.006	0.003	0.053	0.010	36.809	TRUE	5.63E-09
PEF	DEF8	cg03721293	rs78517194	C	A	0.730	0.044	0.067	5.93E-61	0.011	0.005	0.019	0.068	271.146	TRUE	3.19E-57
PEF	DEF8	cg03987653	rs10153134	C	T	-0.137	0.025	0.350	2.45E-08	0.005	0.003	0.062	0.008	31.084	TRUE	9.13E-08
PEF	DEF8	cg03987653	rs11639655	G	A	-0.144	0.026	0.322	2.44E-08	0.001	0.003	0.807	0.008	31.090	TRUE	3.57E-08
PEF	DEF8	cg03987653	rs145268882	A	G	0.275	0.050	0.054	2.90E-08	-0.005	0.005	0.303	0.008	30.755	TRUE	6.63E-08
PEF	DEF8	cg03987653	rs150237316	T	C	-0.405	0.070	0.030	5.79E-09	0.002	0.008	0.775	0.009	33.887	TRUE	8.88E-09
PEF	DEF8	cg03987653	rs4365288	A	G	-0.845	0.049	0.052	4.07E-67	0.014	0.005	0.006	0.075	299.419	TRUE	1.26E-62
PEF	DEF8	cg03987653	rs4785699	T	G	-0.173	0.027	0.233	2.98E-10	0.005	0.003	0.121	0.011	39.666	TRUE	1.11E-09
PEF	DEF8	cg03987653	rs4785749	T	C	0.153	0.024	0.382	2.75E-10	-0.001	0.003	0.768	0.011	39.820	TRUE	4.57E-10
PEF	DEF8	cg04591799	rs10153134	C	T	-0.132	0.024	0.350	4.68E-08	0.005	0.003	0.062	0.008	29.830	TRUE	1.69E-07
PEF	DEF8	cg04591799	rs35078537	C	G	-0.192	0.029	0.187	5.54E-11	0.003	0.003	0.315	0.011	42.954	TRUE	1.53E-10
PEF	DEF8	cg04591799	rs55911767	G	A	-0.172	0.028	0.223	1.25E-09	0.006	0.003	0.073	0.010	36.866	TRUE	5.03E-09
PEF	DEF8	cg04591799	rs78260644	G	A	-0.567	0.049	0.052	5.18E-31	0.014	0.005	0.006	0.035	134.032	TRUE	6.08E-29
PEF	DEF8	cg04752812	rs11640198	T	C	0.148	0.027	0.251	3.54E-08	0.002	0.003	0.500	0.008	30.368	TRUE	6.54E-08
PEF	DEF8	cg04752812	rs11649196	A	G	0.193	0.033	0.145	6.95E-09	0.004	0.004	0.253	0.009	33.530	TRUE	1.77E-08
PEF	DEF8	cg04752812	rs4785775	A	C	-0.132	0.024	0.397	2.63E-08	-0.003	0.003	0.248	0.008	30.946	TRUE	6.42E-08
PEF	DEF8	cg04752812	rs78517194	C	A	0.551	0.045	0.067	4.27E-35	0.011	0.005	0.019	0.040	152.701	TRUE	5.31E-33
PEF	DEF8	cg05185784	rs12933826	C	T	-0.378	0.044	0.077	7.07E-18	0.005	0.005	0.330	0.020	74.157	TRUE	3.24E-17
PEF	DEF8	cg05185784	rs146972365	C	T	0.439	0.039	0.094	9.52E-30	-0.001	0.004	0.875	0.034	128.258	TRUE	4.96E-29
PEF	DEF8	cg05185784	rs150246110	A	G	-0.779	0.089	0.014	2.24E-18	-0.005	0.010	0.624	0.020	76.424	TRUE	7.06E-18
PEF	DEF8	cg05185784	rs164753	C	T	0.224	0.031	0.187	7.02E-13	0.004	0.003	0.190	0.014	51.511	TRUE	2.80E-12
PEF	DEF8	cg05185784	rs186335715	G	A	-0.758	0.112	0.011	1.37E-11	-0.010	0.014	0.489	0.012	45.683	TRUE	3.20E-11
PEF	DEF8	cg05185784	rs2241034	G	A	-0.241	0.034	0.153	7.58E-13	0.007	0.004	0.050	0.014	51.360	TRUE	4.81E-12
PEF	DEF8	cg05185784	rs2279350	T	C	0.187	0.033	0.150	1.05E-08	0.003	0.004	0.375	0.009	32.733	TRUE	2.27E-08
PEF	DEF8	cg05185784	rs3114892	G	A	0.170	0.024	0.433	4.70E-13	0.004	0.003	0.080	0.014	52.296	TRUE	2.67E-12

PEF	DEF8	cg05185784	rs34686253	C	T	0.453	0.066	0.038	7.54E-12	0.008	0.007	0.269	0.013	46.857	TRUE	2.39E-11
PEF	DEF8	cg05185784	rs35754755	T	C	-0.896	0.064	0.031	1.91E-44	0.008	0.007	0.260	0.050	195.494	TRUE	1.52E-42
PEF	DEF8	cg05185784	rs35859096	G	C	-0.409	0.028	0.217	5.49E-48	0.005	0.003	0.092	0.054	211.710	TRUE	1.59E-45
PEF	DEF8	cg05185784	rs3803686	C	A	-0.797	0.029	0.181	2.51E-170	0.002	0.003	0.581	0.173	773.517	TRUE	2.79E-157
PEF	DEF8	cg05185784	rs3829499	C	G	-0.191	0.028	0.241	5.32E-12	0.008	0.003	0.006	0.013	47.539	TRUE	5.46E-11
PEF	DEF8	cg05185784	rs4519330	A	G	0.177	0.026	0.286	1.86E-11	0.000	0.003	0.978	0.012	45.090	TRUE	2.72E-11
PEF	DEF8	cg05185784	rs4627348	T	C	0.321	0.024	0.376	7.90E-41	0.001	0.003	0.589	0.046	178.930	TRUE	1.86E-39
PEF	DEF8	cg05185784	rs55749251	G	T	0.307	0.033	0.154	7.45E-21	0.002	0.004	0.584	0.023	87.695	TRUE	2.97E-20
PEF	DEF8	cg05185784	rs56240065	A	G	-0.667	0.053	0.049	2.02E-36	-0.004	0.006	0.497	0.041	158.767	TRUE	3.62E-35
PEF	DEF8	cg05185784	rs62067101	T	C	-0.595	0.090	0.017	3.58E-11	0.010	0.008	0.237	0.012	43.810	TRUE	1.14E-10
PEF	DEF8	cg05185784	rs7200403	G	A	0.408	0.024	0.366	4.66E-63	-0.002	0.003	0.451	0.071	280.799	TRUE	2.43E-60
PEF	DEF8	cg05185784	rs77497623	G	T	-0.359	0.037	0.108	9.75E-22	0.003	0.004	0.423	0.024	91.717	TRUE	5.30E-21
PEF	DEF8	cg05185784	rs78908302	G	A	-0.290	0.028	0.210	1.19E-24	-0.004	0.003	0.227	0.028	104.992	TRUE	1.24E-23
PEF	DEF8	cg05185784	rs79541707	T	A	0.489	0.070	0.030	2.87E-12	0.006	0.007	0.421	0.013	48.750	TRUE	7.61E-12
PEF	DEF8	cg05185784	rs9921599	T	C	-0.240	0.043	0.084	1.80E-08	-0.001	0.005	0.790	0.008	31.678	TRUE	2.67E-08
PEF	DEF8	cg05185784	rs9921920	C	G	0.202	0.027	0.268	1.86E-13	-0.004	0.003	0.164	0.014	54.123	TRUE	8.17E-13
PEF	DEF8	cg05185784	rs9923604	C	G	-0.364	0.029	0.184	2.42E-35	0.002	0.003	0.478	0.040	153.830	TRUE	4.10E-34
PEF	DEF8	cg12064134	rs1029673	G	T	-0.223	0.027	0.253	1.36E-16	0.002	0.003	0.492	0.018	68.321	TRUE	4.59E-16
PEF	DEF8	cg12064134	rs116902829	G	C	0.562	0.098	0.015	9.96E-09	0.010	0.010	0.360	0.009	32.831	TRUE	2.19E-08
PEF	DEF8	cg12064134	rs117991811	A	G	-0.645	0.110	0.014	4.72E-09	0.001	0.011	0.895	0.009	34.284	TRUE	6.59E-09
PEF	DEF8	cg12064134	rs118144846	G	A	0.934	0.109	0.014	1.22E-17	-0.002	0.011	0.849	0.019	73.076	TRUE	2.80E-17
PEF	DEF8	cg12064134	rs13330208	G	T	-1.011	0.141	0.015	7.82E-13	0.004	0.012	0.727	0.014	51.300	TRUE	1.54E-12
PEF	DEF8	cg12064134	rs142969375	G	A	-0.907	0.150	0.014	1.56E-09	0.014	0.013	0.295	0.010	36.436	TRUE	3.96E-09
PEF	DEF8	cg12064134	rs150246110	A	G	-1.029	0.089	0.014	4.09E-31	-0.005	0.010	0.624	0.035	134.502	TRUE	3.54E-30
PEF	DEF8	cg12064134	rs186335715	G	A	-0.767	0.112	0.011	7.76E-12	-0.010	0.014	0.489	0.012	46.799	TRUE	1.84E-11
PEF	DEF8	cg12064134	rs2241034	G	A	-0.385	0.033	0.153	1.00E-30	0.007	0.004	0.050	0.035	132.721	TRUE	4.56E-29
PEF	DEF8	cg12064134	rs35078537	C	G	-0.277	0.030	0.187	9.33E-21	0.003	0.003	0.315	0.023	87.251	TRUE	5.65E-20
PEF	DEF8	cg12064134	rs35754755	T	C	-0.944	0.064	0.031	2.57E-49	0.008	0.007	0.260	0.056	217.800	TRUE	3.78E-47
PEF	DEF8	cg12064134	rs3803686	C	A	-0.874	0.028	0.181	1.48E-209	0.002	0.003	0.581	0.205	953.861	TRUE	6.68E-191
PEF	DEF8	cg12064134	rs3829499	C	G	-0.199	0.028	0.241	7.18E-13	0.008	0.003	0.006	0.014	51.467	TRUE	8.28E-12
PEF	DEF8	cg12064134	rs4627348	T	C	0.264	0.024	0.376	4.61E-28	0.001	0.003	0.589	0.032	120.564	TRUE	3.21E-27
PEF	DEF8	cg12064134	rs56240065	A	G	-0.644	0.053	0.049	4.68E-34	-0.004	0.006	0.497	0.038	147.946	TRUE	6.65E-33
PEF	DEF8	cg12064134	rs7191944	G	C	0.192	0.026	0.298	7.26E-14	-0.001	0.003	0.803	0.015	55.968	TRUE	1.40E-13
PEF	DEF8	cg12064134	rs7200083	A	G	-0.280	0.032	0.162	4.14E-18	0.001	0.003	0.691	0.020	75.214	TRUE	1.16E-17
PEF	DEF8	cg12064134	rs74037227	A	G	0.219	0.032	0.154	9.21E-12	0.000	0.004	0.906	0.012	46.465	TRUE	1.44E-11
PEF	DEF8	cg12064134	rs74466939	T	C	-0.230	0.040	0.098	1.17E-08	0.008	0.004	0.049	0.009	32.515	TRUE	4.78E-08
PEF	DEF8	cg12064134	rs74548542	G	A	-0.730	0.064	0.030	5.72E-30	-0.004	0.007	0.609	0.034	129.268	TRUE	4.57E-29
PEF	DEF8	cg12064134	rs74800773	G	C	0.378	0.037	0.107	1.27E-24	-0.001	0.004	0.742	0.028	104.868	TRUE	5.27E-24
PEF	DEF8	cg12064134	rs76180276	T	C	0.295	0.053	0.055	3.09E-08	0.006	0.006	0.291	0.008	30.631	TRUE	7.10E-08
PEF	DEF8	cg12064134	rs77497623	G	T	-0.234	0.038	0.108	4.65E-10	0.003	0.004	0.423	0.010	38.798	TRUE	1.05E-09
PEF	DEF8	cg12064134	rs8064126	T	A	0.294	0.024	0.370	7.95E-34	-0.001	0.003	0.785	0.038	146.895	TRUE	6.66E-33
PEF	DEF8	cg16504670	rs13335091	T	C	0.413	0.033	0.138	2.69E-36	0.005	0.004	0.174	0.041	158.193	TRUE	1.16E-34

PEF	DEF8	cg16504670	rs3212369	G	A	0.305	0.031	0.160	1.65E-22	0.008	0.003	0.025	0.025	95.234	TRUE	4.08E-21
PEF	DEF8	cg16504670	rs4785762	G	A	0.167	0.024	0.404	3.31E-12	0.002	0.003	0.555	0.013	48.470	TRUE	7.40E-12
PEF	DEF8	cg16504670	rs77463543	T	C	0.175	0.032	0.151	4.94E-08	0.005	0.003	0.125	0.008	29.725	TRUE	1.46E-07
PEF	DEF8	cg25193494	rs12933826	C	T	-0.323	0.044	0.077	1.92E-13	0.005	0.005	0.330	0.014	54.055	TRUE	6.21E-13
PEF	DEF8	cg25193494	rs13330208	G	T	-0.835	0.141	0.015	3.58E-09	0.004	0.012	0.727	0.009	34.822	TRUE	5.76E-09
PEF	DEF8	cg25193494	rs148176774	G	A	0.450	0.073	0.030	6.62E-10	0.006	0.007	0.456	0.010	38.109	TRUE	1.43E-09
PEF	DEF8	cg25193494	rs148694296	T	C	0.447	0.074	0.030	1.62E-09	0.005	0.007	0.507	0.010	36.362	TRUE	3.24E-09
PEF	DEF8	cg25193494	rs150246110	A	G	-1.400	0.088	0.014	7.25E-57	-0.005	0.010	0.624	0.064	252.405	TRUE	1.07E-54
PEF	DEF8	cg25193494	rs35754755	T	C	-0.614	0.065	0.031	1.71E-21	0.008	0.007	0.260	0.024	90.604	TRUE	1.24E-20
PEF	DEF8	cg25193494	rs35859096	G	C	-0.359	0.028	0.217	5.06E-37	0.005	0.003	0.092	0.042	161.512	TRUE	3.60E-35
PEF	DEF8	cg25193494	rs3803686	C	A	-0.718	0.029	0.181	1.61E-135	0.002	0.003	0.581	0.142	613.541	TRUE	1.11E-126
PEF	DEF8	cg25193494	rs4129126	A	C	0.161	0.025	0.307	2.94E-10	0.006	0.003	0.025	0.011	39.691	TRUE	1.72E-09
PEF	DEF8	cg25193494	rs4627348	T	C	0.241	0.024	0.376	1.51E-23	0.001	0.003	0.589	0.026	99.969	TRUE	7.25E-23
PEF	DEF8	cg25193494	rs4785766	C	A	0.167	0.030	0.183	2.80E-08	-0.002	0.003	0.473	0.008	30.828	TRUE	5.28E-08
PEF	DEF8	cg25193494	rs56240065	A	G	-0.446	0.053	0.049	5.66E-17	-0.004	0.006	0.497	0.019	70.053	TRUE	1.90E-16
PEF	DEF8	cg25193494	rs56378598	T	C	0.207	0.026	0.278	3.02E-15	-0.001	0.003	0.856	0.017	62.218	TRUE	5.97E-15
PEF	DEF8	cg25193494	rs62054652	T	C	-0.369	0.049	0.059	8.02E-14	-0.004	0.005	0.378	0.015	55.772	TRUE	2.51E-13
PEF	DEF8	cg25193494	rs7200403	G	A	0.303	0.025	0.366	6.32E-35	-0.002	0.003	0.451	0.039	151.923	TRUE	1.06E-33
PEF	DEF8	cg25193494	rs74548542	G	A	-0.463	0.065	0.030	7.65E-13	-0.004	0.007	0.609	0.014	51.343	TRUE	1.70E-12
PEF	DEF8	cg25193494	rs77497623	G	T	-0.353	0.037	0.108	5.07E-21	0.003	0.004	0.423	0.023	88.457	TRUE	2.60E-20
PEF	DEF8	cg25193494	rs77770855	A	G	0.348	0.039	0.092	1.10E-18	-0.001	0.004	0.905	0.021	77.838	TRUE	2.50E-18
PEF	DEF8	cg25193494	rs78908302	G	A	-0.210	0.028	0.210	1.48E-13	-0.004	0.003	0.227	0.015	54.564	TRUE	5.78E-13
PEF	DEF8	cg25193494	rs9921920	C	G	0.179	0.027	0.268	7.55E-11	-0.004	0.003	0.164	0.011	42.348	TRUE	2.63E-10
PEF	DEF8	cg25193494	rs9923604	C	G	-0.217	0.030	0.184	1.80E-13	0.002	0.003	0.478	0.014	54.180	TRUE	4.87E-13
PEF	DEF8	cg26894841	rs12921906	A	G	-0.216	0.033	0.147	3.30E-11	0.006	0.004	0.105	0.012	43.965	TRUE	1.43E-10
PEF	DEF8	cg26894841	rs7498985	A	G	-0.147	0.023	0.476	1.48E-10	0.001	0.003	0.642	0.011	41.036	TRUE	2.79E-10
PEF	DEF8	cg26894841	rs9923654	C	T	-0.267	0.030	0.183	4.13E-19	0.003	0.003	0.339	0.021	79.766	TRUE	2.11E-18
PEF	DIDO1	cg01329151	rs1883847	T	C	0.374	0.030	0.194	1.09E-35	-0.003	0.003	0.332	0.040	155.417	TRUE	2.62E-34
PEF	DIDO1	cg01329151	rs2314128	G	C	0.174	0.031	0.179	1.75E-08	-0.006	0.003	0.090	0.009	31.737	TRUE	5.95E-08
PEF	DIDO1	cg01329151	rs6090150	C	T	0.635	0.099	0.036	1.65E-10	-0.009	0.008	0.249	0.011	40.822	TRUE	4.87E-10
PEF	DIDO1	cg02128085	rs79346852	G	A	0.480	0.087	0.021	4.01E-08	-0.030	0.009	6.33E-04	0.008	30.128	TRUE	3.40E-07
PEF	DIDO1	cg02461114	rs735055	A	G	-0.177	0.031	0.164	1.26E-08	-0.001	0.003	0.785	0.009	32.375	TRUE	1.87E-08
PEF	DIDO1	cg04226366	rs12625378	T	G	0.147	0.024	0.471	5.18E-10	-0.002	0.003	0.423	0.010	38.586	TRUE	1.17E-09
PEF	DIDO1	cg04226366	rs6010808	T	C	-0.149	0.024	0.433	3.67E-10	0.006	0.003	0.023	0.011	39.262	TRUE	2.13E-09
PEF	DIDO1	cg04226366	rs6062732	T	C	-0.178	0.029	0.187	1.48E-09	-0.004	0.003	0.169	0.010	36.546	TRUE	4.63E-09
PEF	DIDO1	cg04226366	rs755740	C	T	0.484	0.024	0.398	1.22E-93	-0.007	0.003	0.010	0.102	421.151	TRUE	4.77E-87
PEF	DIDO1	cg09864671	rs1054866	C	A	0.354	0.025	0.310	8.31E-45	-0.006	0.003	0.029	0.051	197.146	TRUE	3.12E-42
PEF	DIDO1	cg09864671	rs111814166	A	G	0.214	0.033	0.132	1.53E-10	0.004	0.004	0.221	0.011	40.964	TRUE	4.75E-10
PEF	DIDO1	cg09864671	rs118103122	G	T	-0.601	0.106	0.027	1.67E-08	0.002	0.008	0.827	0.009	31.823	TRUE	2.41E-08
PEF	DIDO1	cg09864671	rs1883847	T	C	-1.408	0.019	0.194	<1E-200	-0.003	0.003	0.332	0.593	5396.686	TRUE	<1E-200
PEF	DIDO1	cg09864671	rs2248900	T	C	0.294	0.028	0.221	9.30E-26	-0.003	0.003	0.243	0.029	110.044	TRUE	1.05E-24
PEF	DIDO1	cg09864671	rs2314128	G	C	-0.458	0.030	0.179	3.81E-51	-0.006	0.003	0.090	0.058	226.186	TRUE	1.69E-48

PEF	DIDO1	cg09864671	rs6090150	C	T	-1.268	0.097	0.036	7.16E-39	-0.009	0.008	0.249	0.044	169.974	TRUE	3.13E-37
PEF	DIDO1	cg09864671	rs62208973	A	G	-0.672	0.096	0.013	2.08E-12	0.011	0.010	0.287	0.013	49.381	TRUE	6.68E-12
PEF	DIDO1	cg09864671	rs7271712	T	C	-0.851	0.096	0.024	1.15E-18	0.008	0.008	0.306	0.021	77.744	TRUE	5.89E-18
PEF	DIDO1	cg09864671	rs77077981	A	G	-0.426	0.042	0.081	5.11E-24	-0.012	0.005	0.007	0.027	102.110	TRUE	2.32E-22
PEF	DIDO1	cg09864671	rs910940	A	G	-0.211	0.025	0.317	1.22E-16	-0.002	0.003	0.534	0.018	68.536	TRUE	3.84E-16
PEF	DIDO1	cg10006442	rs114270264	G	T	0.563	0.088	0.020	1.48E-10	-0.032	0.009	4.01E-04	0.011	41.033	TRUE	2.04E-09
PEF	DIDO1	cg10006442	rs34960540	T	C	0.146	0.025	0.344	3.17E-09	-0.004	0.003	0.171	0.009	35.058	TRUE	9.56E-09
PEF	DIDO1	cg10006442	rs3746750	A	G	0.216	0.024	0.395	1.47E-19	-0.002	0.003	0.364	0.022	81.807	TRUE	7.21E-19
PEF	DIDO1	cg10006442	rs3746754	C	T	0.296	0.050	0.057	2.89E-09	-0.009	0.006	0.095	0.009	35.237	TRUE	1.04E-08
PEF	DIDO1	cg10006442	rs41282988	A	G	0.519	0.063	0.036	1.58E-16	0.004	0.006	0.508	0.018	68.033	TRUE	5.05E-16
PEF	DIDO1	cg10006442	rs6062733	G	A	0.208	0.025	0.326	4.49E-17	-0.002	0.003	0.439	0.019	70.512	TRUE	1.65E-16
PEF	DIDO1	cg10006442	rs7265084	A	G	0.585	0.023	0.335	2.12E-137	-0.008	0.003	0.004	0.144	622.175	TRUE	6.83E-126
PEF	DIDO1	cg10006442	rs73619441	G	T	-0.264	0.034	0.151	5.20E-15	-0.001	0.004	0.779	0.016	61.149	TRUE	1.10E-14
PEF	DIDO1	cg10006442	rs73619448	T	G	0.276	0.049	0.052	1.89E-08	-0.005	0.005	0.310	0.008	31.591	TRUE	4.32E-08
PEF	DIDO1	cg10551166	rs11696331	T	C	-0.265	0.048	0.055	4.70E-08	-0.006	0.005	0.261	0.008	29.819	TRUE	1.12E-07
PEF	DIDO1	cg10551166	rs117005091	T	C	0.289	0.053	0.051	4.17E-08	0.005	0.005	0.342	0.008	30.051	TRUE	8.92E-08
PEF	DIDO1	cg10551166	rs1555313	G	T	-0.186	0.026	0.304	4.39E-13	-0.005	0.003	0.098	0.014	52.433	TRUE	2.35E-12
PEF	DIDO1	cg10551166	rs41282988	A	G	-0.430	0.063	0.036	7.68E-12	0.004	0.006	0.508	0.012	46.820	TRUE	1.78E-11
PEF	DIDO1	cg10551166	rs575515615	T	C	-0.434	0.061	0.040	1.31E-12	-0.001	0.006	0.885	0.013	50.289	TRUE	2.19E-12
PEF	DIDO1	cg10551166	rs6011431	G	A	-0.198	0.032	0.459	5.21E-10	0.000	0.003	0.863	0.010	38.576	TRUE	7.72E-10
PEF	DIDO1	cg10551166	rs6011442	G	A	-0.632	0.024	0.316	1.52E-157	-0.005	0.003	0.054	0.162	714.757	TRUE	1.46E-144
PEF	DIDO1	cg10551166	rs73147766	T	C	-0.410	0.057	0.039	5.46E-13	-0.010	0.006	0.103	0.014	52.005	TRUE	2.76E-12
PEF	DIDO1	cg10551166	rs73619441	G	T	0.206	0.034	0.151	1.09E-09	-0.001	0.004	0.779	0.010	37.133	TRUE	1.72E-09
PEF	DIDO1	cg10551166	rs76412642	G	A	-0.466	0.061	0.039	2.50E-14	-0.012	0.006	0.064	0.015	58.059	TRUE	1.76E-13
PEF	DIDO1	cg10551166	rs79346852	G	A	0.847	0.087	0.021	1.92E-22	-0.030	0.009	6.33E-04	0.025	94.930	TRUE	1.44E-20
PEF	DIDO1	cg15815827	rs6010789	G	A	0.408	0.023	0.496	8.66E-70	0.008	0.003	0.003	0.078	311.674	TRUE	6.73E-65
PEF	DIDO1	cg15815827	rs8114056	T	G	0.132	0.024	0.433	2.99E-08	0.006	0.003	0.030	0.008	30.696	TRUE	1.29E-07
PEF	DIDO1	cg21976603	rs3746771	A	G	-0.352	0.028	0.219	2.29E-37	-0.004	0.003	0.146	0.042	163.087	TRUE	1.26E-35
PEF	DIDO1	cg23096297	rs1052826	G	A	-0.181	0.028	0.225	1.35E-10	-0.001	0.003	0.844	0.011	41.217	TRUE	2.12E-10
PEF	DIDO1	cg23096297	rs142612030	A	G	0.576	0.061	0.044	1.87E-21	-0.001	0.007	0.929	0.024	90.434	TRUE	4.92E-21
PEF	DIDO1	cg23096297	rs143491435	C	G	0.775	0.097	0.016	1.63E-15	-0.034	0.009	2.25E-04	0.017	63.434	TRUE	5.54E-14
PEF	DIDO1	cg23096297	rs1555313	G	T	0.163	0.025	0.304	1.54E-10	-0.005	0.003	0.098	0.011	40.955	TRUE	6.40E-10
PEF	DIDO1	cg23096297	rs2295000	A	G	0.750	0.027	0.202	4.26E-167	-0.006	0.003	0.044	0.170	758.666	TRUE	9.00E-153
PEF	DIDO1	cg23096297	rs3746752	T	G	0.224	0.025	0.301	6.28E-19	-0.001	0.003	0.670	0.021	78.936	TRUE	1.96E-18
PEF	DIDO1	cg23096297	rs56224153	A	C	-0.188	0.029	0.188	1.48E-10	0.000	0.003	0.933	0.011	41.035	TRUE	2.16E-10
PEF	DIDO1	cg23096297	rs73147766	T	C	0.549	0.056	0.039	1.20E-22	-0.010	0.006	0.103	0.025	95.867	TRUE	1.57E-21
PEF	DIDO1	cg23096297	rs73619448	T	G	0.324	0.048	0.052	1.64E-11	-0.005	0.005	0.310	0.012	45.340	TRUE	4.76E-11
PEF	DIDO1	cg24804517	rs117043166	T	C	0.693	0.098	0.013	1.91E-12	-0.011	0.011	0.337	0.013	49.543	TRUE	5.76E-12
PEF	DIDO1	cg24804517	rs2254953	A	G	0.255	0.026	0.272	4.00E-23	-0.008	0.003	0.003	0.026	98.035	TRUE	2.19E-21
PEF	DIDO1	cg24804517	rs6011495	T	C	0.303	0.036	0.113	4.19E-17	-0.004	0.004	0.290	0.019	70.647	TRUE	1.95E-16
PEF	DIDO1	cg24804517	rs77077981	A	G	0.251	0.042	0.081	1.45E-09	-0.012	0.005	0.007	0.010	36.586	TRUE	1.01E-08
PEF	DSTN	cg10573932	rs12625919	C	T	-0.239	0.041	0.087	4.86E-09	0.007	0.004	0.092	0.009	34.224	TRUE	1.73E-08

PEF	DSTN	cg10573932	rs1885082	G	A	-0.215	0.028	0.210	2.82E-14	0.003	0.003	0.274	0.015	57.822	TRUE	1.08E-13
PEF	DSTN	cg10573932	rs2296902	G	A	-0.161	0.026	0.279	7.57E-10	0.001	0.003	0.845	0.010	37.847	TRUE	1.16E-09
PEF	DSTN	cg10573932	rs2618599	T	C	0.154	0.026	0.317	2.16E-09	-0.001	0.003	0.782	0.010	35.807	TRUE	3.37E-09
PEF	DSTN	cg10573932	rs3790316	G	A	0.341	0.024	0.427	1.39E-47	-0.007	0.003	0.011	0.054	209.861	TRUE	1.22E-44
PEF	DSTN	cg14158573	rs6034875	G	A	0.136	0.024	0.430	8.31E-09	-0.007	0.003	0.010	0.009	33.184	TRUE	4.78E-08
PEF	DSTN	cg17499719	rs6034875	G	A	-0.137	0.024	0.430	7.41E-09	-0.007	0.003	0.010	0.009	33.406	TRUE	4.29E-08
PEF	DSTN	cg22276571	rs56246240	T	C	-0.292	0.048	0.063	8.36E-10	-0.006	0.005	0.210	0.010	37.654	TRUE	2.49E-09
PEF	DSTN	cg22276571	rs6034875	G	A	0.216	0.024	0.430	8.75E-20	-0.007	0.003	0.010	0.022	82.828	TRUE	2.01E-18
PEF	DSTN	cg25694790	rs13044147	G	T	-0.382	0.053	0.051	5.64E-13	-0.004	0.006	0.468	0.014	51.940	TRUE	1.48E-12
PEF	DSTN	cg25694790	rs1610318	G	A	0.150	0.025	0.369	1.13E-09	-0.003	0.003	0.339	0.010	37.062	TRUE	2.75E-09
PEF	DSTN	cg25694790	rs6034875	G	A	-0.382	0.023	0.430	9.20E-60	-0.007	0.003	0.010	0.067	265.685	TRUE	5.71E-56
PEF	E2F2	cg03333582	rs2092085	A	G	0.216	0.027	0.258	7.20E-16	0.000	0.003	0.933	0.017	65.043	TRUE	1.34E-15
PEF	E2F2	cg03333582	rs3218205	C	T	-0.390	0.063	0.040	6.15E-10	0.002	0.007	0.718	0.010	38.253	TRUE	1.04E-09
PEF	E2F2	cg11526198	rs11591199	T	C	0.574	0.045	0.072	1.82E-37	-0.006	0.005	0.205	0.042	163.539	TRUE	7.71E-36
PEF	E2F2	cg11526198	rs877930	A	G	0.445	0.064	0.040	2.58E-12	-0.002	0.006	0.754	0.013	48.954	TRUE	4.81E-12
PEF	E2F2	cg11526198	rs909534	A	G	-0.135	0.024	0.410	1.27E-08	0.007	0.003	0.006	0.009	32.366	TRUE	8.24E-08
PEF	E2F2	cg22040403	rs10917376	T	C	0.232	0.038	0.228	1.39E-09	0.001	0.003	0.662	0.010	36.657	TRUE	2.42E-09
PEF	E2F2	cg22040403	rs113251274	G	C	0.223	0.037	0.116	1.65E-09	0.003	0.004	0.472	0.010	36.334	TRUE	3.39E-09
PEF	E2F2	cg22040403	rs113837560	A	G	0.294	0.048	0.072	9.12E-10	0.001	0.005	0.874	0.010	37.485	TRUE	1.34E-09
PEF	E2F2	cg22040403	rs12144921	C	T	0.590	0.051	0.051	3.51E-31	0.007	0.005	0.184	0.035	134.808	TRUE	8.20E-30
PEF	E2F2	cg22040403	rs16828926	A	G	0.198	0.033	0.142	3.50E-09	-0.001	0.004	0.841	0.009	34.864	TRUE	5.12E-09
PEF	E2F2	cg22040403	rs2102781	A	T	-0.219	0.024	0.383	1.17E-19	0.000	0.003	0.909	0.022	82.250	TRUE	2.84E-19
PEF	E2F2	cg22040403	rs2282724	T	C	0.654	0.064	0.040	1.28E-24	0.002	0.007	0.814	0.028	104.845	TRUE	4.85E-24
PEF	E2F2	cg22040403	rs2742976	T	G	-0.918	0.019	0.363	<1E-200	0.006	0.003	0.018	0.398	2443.705	TRUE	<1E-200
PEF	E2F2	cg22040403	rs2811964	A	G	-0.643	0.041	0.081	1.71E-55	0.014	0.004	0.001	0.062	246.115	TRUE	1.46E-51
PEF	E2F2	cg22040403	rs2864889	A	G	-0.193	0.033	0.406	3.77E-09	-0.001	0.003	0.625	0.009	34.719	TRUE	6.57E-09
PEF	E2F2	cg22040403	rs2981950	A	C	-0.193	0.024	0.435	2.50E-16	-0.002	0.003	0.389	0.018	67.127	TRUE	9.48E-16
PEF	E2F2	cg22040403	rs2999141	C	A	0.379	0.026	0.286	9.01E-50	-0.004	0.003	0.188	0.056	219.889	TRUE	1.86E-47
PEF	E2F2	cg22040403	rs3218194	T	G	-0.541	0.083	0.045	7.36E-11	0.003	0.006	0.594	0.011	42.397	TRUE	1.47E-10
PEF	E2F2	cg22040403	rs649458	T	A	-0.219	0.033	0.138	5.80E-11	0.006	0.004	0.079	0.011	42.863	TRUE	2.64E-10
PEF	E2F2	cg22040403	rs6663369	A	G	0.259	0.031	0.172	1.04E-16	-0.003	0.003	0.378	0.018	68.861	TRUE	4.06E-16
PEF	E2F2	cg22040403	rs72663238	G	C	0.438	0.071	0.034	8.14E-10	-0.017	0.008	0.029	0.010	37.705	TRUE	4.25E-09
PEF	E2F2	cg22040403	rs76473856	C	T	-0.424	0.071	0.026	2.07E-09	0.001	0.007	0.924	0.010	35.888	TRUE	2.88E-09
PEF	E2F2	cg22040403	rs78543575	C	G	-0.546	0.076	0.019	5.10E-13	0.022	0.007	0.004	0.014	52.136	TRUE	6.70E-12
PEF	E2F2	cg22040403	rs79371518	A	G	-0.195	0.033	0.146	2.73E-09	0.003	0.003	0.367	0.009	35.350	TRUE	6.25E-09
PEF	E2F2	cg24254937	rs11591199	T	C	0.455	0.045	0.072	3.90E-24	-0.006	0.005	0.205	0.027	102.642	TRUE	4.13E-23
PEF	E2F2	cg24254937	rs2811937	G	A	-0.214	0.024	0.375	2.03E-19	0.006	0.003	0.015	0.021	81.163	TRUE	4.02E-18
PEF	EIF2AK2	cg01617117	rs11904602	C	T	-0.492	0.024	0.388	2.91E-95	0.003	0.003	0.298	0.104	428.607	TRUE	6.68E-90
PEF	EIF2AK2	cg01617117	rs13398292	G	A	0.179	0.029	0.187	1.29E-09	-0.004	0.003	0.176	0.010	36.810	TRUE	3.96E-09
PEF	EIF2AK2	cg01617117	rs13429942	G	C	0.214	0.025	0.350	1.21E-17	-0.006	0.003	0.020	0.019	73.100	TRUE	1.87E-16
PEF	EIF2AK2	cg01617117	rs17498534	A	G	0.178	0.028	0.238	2.15E-10	-0.006	0.003	0.037	0.011	40.307	TRUE	1.13E-09
PEF	EIF2AK2	cg01617117	rs2307466	C	G	0.282	0.050	0.056	1.47E-08	0.006	0.005	0.267	0.009	32.077	TRUE	3.55E-08

PEF	EIF2AK2	cg01617117	rs2888463	T	C	0.229	0.033	0.140	4.66E-12	-0.002	0.004	0.586	0.013	47.801	TRUE	1.01E-11
PEF	EIF2AK2	cg01617117	rs55943710	C	G	-0.333	0.052	0.057	1.21E-10	0.008	0.006	0.169	0.011	41.433	TRUE	4.18E-10
PEF	EIF2AK2	cg05332270	rs12151626	C	T	0.179	0.030	0.182	4.71E-09	-0.007	0.003	0.043	0.009	34.288	TRUE	2.04E-08
PEF	EIF2AK2	cg05332270	rs12992188	G	A	-0.318	0.023	0.461	6.92E-43	0.003	0.003	0.243	0.048	188.352	TRUE	4.83E-41
PEF	EIF2AK2	cg11429997	rs62133148	C	A	-0.151	0.027	0.225	2.95E-08	0.007	0.003	0.028	0.008	30.727	TRUE	1.27E-07
PEF	EIF2AK2	cg14126601	rs12994023	T	C	-0.508	0.024	0.386	4.57E-102	0.002	0.003	0.354	0.111	459.850	TRUE	3.27E-96
PEF	EIF2AK2	cg14126601	rs17498534	A	G	0.256	0.028	0.238	5.06E-20	-0.006	0.003	0.037	0.022	83.910	TRUE	7.75E-19
PEF	EIF2AK2	cg14126601	rs186895872	T	C	0.294	0.039	0.101	3.07E-14	-0.006	0.005	0.218	0.015	57.658	TRUE	1.32E-13
PEF	EIF2AK2	cg14126601	rs2540991	A	G	-0.301	0.041	0.088	1.50E-13	-0.003	0.004	0.526	0.015	54.538	TRUE	3.81E-13
PEF	EIF2AK2	cg14126601	rs58762847	T	C	0.318	0.025	0.333	2.02E-36	-0.005	0.003	0.086	0.041	158.764	TRUE	1.34E-34
PEF	EIF2AK2	cg14126601	rs7596489	G	C	0.353	0.042	0.081	2.53E-17	0.003	0.004	0.474	0.019	71.644	TRUE	9.07E-17
PEF	EIF2AK2	cg14126601	rs9309001	T	G	0.177	0.025	0.320	3.06E-12	0.000	0.003	0.901	0.013	48.623	TRUE	4.90E-12
PEF	EIF2AK2	cg16795804	rs10183153	C	T	0.286	0.042	0.098	6.66E-12	-0.010	0.005	0.036	0.013	47.101	TRUE	4.15E-11
PEF	EIF2AK2	cg16795804	rs10495870	C	A	0.309	0.025	0.355	8.42E-36	-0.006	0.003	0.020	0.040	155.927	TRUE	1.22E-33
PEF	EIF2AK2	cg16795804	rs11903252	G	T	0.207	0.027	0.237	4.64E-14	0.004	0.003	0.190	0.015	56.847	TRUE	2.06E-13
PEF	EIF2AK2	cg16795804	rs143549777	G	T	-0.650	0.110	0.025	3.31E-09	-0.002	0.008	0.849	0.009	34.975	TRUE	4.84E-09
PEF	EIF2AK2	cg16795804	rs2540991	A	G	-0.354	0.041	0.088	3.65E-18	-0.003	0.004	0.526	0.020	75.461	TRUE	1.28E-17
PEF	EIF2AK2	cg16795804	rs2888463	T	C	0.248	0.033	0.140	7.24E-14	-0.002	0.004	0.586	0.015	55.971	TRUE	1.76E-13
PEF	EIF2AK2	cg16795804	rs3770775	A	C	0.219	0.034	0.128	6.52E-11	-0.002	0.004	0.511	0.011	42.636	TRUE	1.43E-10
PEF	EIF2AK2	cg16795804	rs4670662	C	T	-0.616	0.023	0.388	1.92E-152	0.003	0.003	0.341	0.157	691.316	TRUE	3.37E-141
PEF	EIF2AK2	cg16795804	rs55943710	C	G	-0.334	0.052	0.057	1.05E-10	0.008	0.006	0.169	0.011	41.705	TRUE	3.66E-10
PEF	EIF2AK2	cg16795804	rs57839659	T	C	0.141	0.026	0.296	4.12E-08	-0.002	0.003	0.597	0.008	30.077	TRUE	6.97E-08
PEF	EIF2AK2	cg17326313	rs13423928	G	A	0.182	0.024	0.464	1.09E-14	-0.006	0.003	0.012	0.016	59.691	TRUE	1.36E-13
PEF	EIF2AK2	cg17326313	rs149468774	A	T	0.362	0.053	0.046	5.86E-12	-0.003	0.006	0.572	0.013	47.352	TRUE	1.27E-11
PEF	EIF2AK2	cg17326313	rs62133148	C	A	-0.225	0.028	0.225	3.53E-16	0.007	0.003	0.028	0.018	66.445	TRUE	3.83E-15
PEF	EIF2AK2	cg17326313	rs888096	A	G	-0.139	0.024	0.377	1.10E-08	-0.001	0.003	0.647	0.009	32.635	TRUE	1.85E-08
PEF	EIF2AK2	cg23820429	rs13388882	A	G	-0.284	0.051	0.046	3.44E-08	-0.003	0.006	0.634	0.008	30.427	TRUE	5.65E-08
PEF	EIF2AK4	cg01081584	rs12899936	A	G	0.165	0.028	0.234	2.41E-09	0.008	0.003	0.006	0.010	35.591	TRUE	1.70E-08
PEF	EIF2AK4	cg01081584	rs16969811	A	G	0.264	0.041	0.092	7.29E-11	0.005	0.005	0.306	0.011	42.418	TRUE	2.02E-10
PEF	EIF2AK4	cg01081584	rs2291627	C	A	0.349	0.042	0.085	8.25E-17	-0.011	0.005	0.019	0.018	69.311	TRUE	1.11E-15
PEF	EIF2AK4	cg01081584	rs2307105	A	G	-1.289	0.062	0.039	7.55E-95	0.002	0.007	0.749	0.103	426.704	TRUE	3.63E-90
PEF	EIF2AK4	cg01081584	rs34513040	C	T	0.306	0.036	0.130	3.26E-17	-0.007	0.004	0.079	0.019	71.143	TRUE	2.78E-16
PEF	EIF2AK4	cg01081584	rs4923847	C	T	-0.453	0.024	0.387	1.53E-81	0.004	0.003	0.101	0.090	365.619	TRUE	8.68E-77
PEF	EIF2AK4	cg01081584	rs76168202	A	G	-0.572	0.098	0.012	5.48E-09	0.003	0.011	0.749	0.009	33.991	TRUE	8.58E-09
PEF	EIF2AK4	cg01081584	rs8041057	C	T	0.210	0.026	0.283	2.20E-16	-0.001	0.003	0.662	0.018	67.381	TRUE	5.72E-16
PEF	EIF2AK4	cg02712587	rs114325441	C	T	0.482	0.051	0.053	6.92E-21	-0.009	0.005	0.108	0.023	87.844	TRUE	7.44E-20
PEF	EIF2AK4	cg04467278	rs11853517	G	A	0.278	0.051	0.053	4.48E-08	0.002	0.006	0.756	0.008	29.916	TRUE	6.63E-08
PEF	EIF2AK4	cg04467278	rs508281	G	A	0.327	0.026	0.269	3.58E-36	-0.007	0.003	0.013	0.041	157.625	TRUE	6.18E-34
PEF	EIF2AK4	cg04467278	rs7173524	T	C	0.194	0.032	0.159	7.46E-10	0.001	0.003	0.806	0.010	37.877	TRUE	1.16E-09
PEF	EIF2AK4	cg05304366	rs11763	G	C	-0.218	0.030	0.177	4.10E-13	0.003	0.003	0.364	0.014	52.565	TRUE	1.25E-12
PEF	EIF2AK4	cg05304366	rs118058246	G	C	-0.529	0.078	0.024	1.28E-11	-0.006	0.008	0.476	0.012	45.821	TRUE	3.03E-11
PEF	EIF2AK4	cg05304366	rs166702	G	A	0.140	0.024	0.454	3.82E-09	0.001	0.003	0.649	0.009	34.693	TRUE	6.65E-09

PEF	EIF2AK4	cg05304366	rs16970319	G	C	-0.428	0.039	0.098	2.36E-28	-0.012	0.004	0.005	0.032	121.893	TRUE	2.13E-26
PEF	EIF2AK4	cg05304366	rs2934194	A	G	0.205	0.026	0.281	1.71E-15	0.002	0.003	0.411	0.017	63.335	TRUE	5.81E-15
PEF	EIF2AK4	cg05304366	rs4566130	T	C	-0.661	0.111	0.013	2.45E-09	0.015	0.012	0.181	0.010	35.556	TRUE	7.33E-09
PEF	EIF2AK4	cg05304366	rs534757	C	T	-0.684	0.025	0.269	1.21E-159	-0.007	0.003	0.012	0.164	724.414	TRUE	1.04E-145
PEF	EIF2AK4	cg05304366	rs62004060	C	G	0.257	0.032	0.180	4.24E-16	-0.004	0.003	0.202	0.018	66.087	TRUE	2.23E-15
PEF	EIF2AK4	cg05304366	rs648289	C	T	0.170	0.024	0.416	1.58E-12	0.005	0.003	0.066	0.013	49.920	TRUE	8.79E-12
PEF	EIF2AK4	cg05304366	rs7168010	A	G	-0.340	0.054	0.048	4.50E-10	0.004	0.006	0.462	0.010	38.863	TRUE	9.70E-10
PEF	EIF2AK4	cg05304366	rs7173524	T	C	-0.280	0.032	0.159	1.86E-18	0.001	0.003	0.806	0.020	76.792	TRUE	4.66E-18
PEF	EIF2AK4	cg05304366	rs75931581	C	T	-0.543	0.066	0.035	3.05E-16	-0.008	0.007	0.284	0.018	66.737	TRUE	1.35E-15
PEF	EIF2AK4	cg05304366	rs8026892	C	T	-0.252	0.034	0.142	1.09E-13	0.000	0.004	0.933	0.015	55.159	TRUE	1.84E-13
PEF	EIF2AK4	cg05304366	rs8030505	C	G	-0.549	0.072	0.029	1.81E-14	-0.011	0.008	0.163	0.016	58.694	TRUE	8.88E-14
PEF	EIF2AK4	cg06753055	rs11638696	A	G	-0.615	0.072	0.028	1.84E-17	-0.001	0.007	0.848	0.019	72.273	TRUE	4.18E-17
PEF	EIF2AK4	cg06753055	rs17722526	G	A	0.141	0.025	0.356	9.97E-09	-0.005	0.003	0.063	0.009	32.830	TRUE	3.88E-08
PEF	EIF2AK4	cg06753055	rs2412476	C	T	-0.219	0.025	0.295	9.07E-18	0.003	0.003	0.313	0.020	73.666	TRUE	4.28E-17
PEF	EIF2AK4	cg06753055	rs547183	T	C	-0.226	0.024	0.499	1.55E-21	-0.001	0.003	0.575	0.024	90.805	TRUE	6.52E-21
PEF	EIF2AK4	cg06753055	rs7181860	T	C	-1.468	0.040	0.071	2.88E-295	-0.007	0.005	0.122	0.267	1348.023	TRUE	6.55E-260
PEF	EIF2AK4	cg06753055	rs74979780	A	G	-0.268	0.031	0.169	4.32E-18	0.002	0.003	0.572	0.020	75.129	TRUE	1.43E-17
PEF	EIF2AK4	cg06753055	rs78312336	T	C	-0.940	0.133	0.015	1.72E-12	-0.008	0.011	0.449	0.013	49.750	TRUE	4.46E-12
PEF	EIF2AK4	cg06753055	rs920141	C	T	-0.280	0.027	0.249	1.37E-24	-0.007	0.003	0.014	0.028	104.721	TRUE	5.10E-23
PEF	EIF2AK4	cg16127683	rs113776570	C	A	0.511	0.031	0.178	2.60E-62	-0.008	0.003	0.012	0.070	277.374	TRUE	2.37E-58
PEF	EIF2AK4	cg16127683	rs12594695	C	G	0.406	0.042	0.080	1.83E-22	-0.005	0.005	0.238	0.025	95.031	TRUE	1.53E-21
PEF	EIF2AK4	cg16127683	rs12900686	T	C	-0.593	0.024	0.331	2.44E-133	0.003	0.003	0.243	0.140	603.517	TRUE	4.09E-124
PEF	EIF2AK4	cg16127683	rs140560970	T	C	0.618	0.101	0.010	8.34E-10	0.012	0.012	0.307	0.010	37.659	TRUE	2.14E-09
PEF	EIF2AK4	cg16127683	rs1540686	G	A	-0.260	0.024	0.448	7.25E-28	0.005	0.003	0.054	0.031	119.664	TRUE	2.41E-26
PEF	EIF2AK4	cg16127683	rs16969811	A	G	0.311	0.041	0.092	1.59E-14	0.005	0.005	0.306	0.016	58.950	TRUE	5.88E-14
PEF	EIF2AK4	cg16127683	rs16970132	G	A	-1.395	0.067	0.035	2.46E-97	0.002	0.007	0.789	0.106	438.127	TRUE	1.71E-92
PEF	EIF2AK4	cg16127683	rs76168202	A	G	-0.629	0.098	0.012	1.57E-10	0.003	0.011	0.749	0.011	40.922	TRUE	2.66E-10
PEF	EIF2AK4	cg16127683	rs8042947	G	A	0.215	0.026	0.259	4.21E-16	0.006	0.003	0.051	0.018	66.101	TRUE	3.74E-15
PEF	EIF2AK4	cg19538502	rs16970319	G	C	0.242	0.038	0.098	2.88E-10	-0.012	0.004	0.005	0.011	39.735	TRUE	2.40E-09
PEF	EIF2AK4	cg19538502	rs534757	C	T	0.468	0.026	0.269	4.38E-74	-0.007	0.003	0.012	0.082	331.388	TRUE	3.17E-69
PEF	EIF2AK4	cg19538502	rs7173524	T	C	0.251	0.032	0.159	1.69E-15	0.001	0.003	0.806	0.017	63.359	TRUE	3.55E-15
PEF	EIF2AK4	cg19538502	rs74011716	T	C	0.503	0.086	0.020	5.39E-09	-0.008	0.009	0.400	0.009	34.026	TRUE	1.16E-08
PEF	EIF2AK4	cg19538502	rs75931581	C	T	0.381	0.066	0.035	5.93E-09	-0.008	0.007	0.284	0.009	33.838	TRUE	1.46E-08
PEF	EIF2AK4	cg19538502	rs76699261	C	G	0.439	0.076	0.024	6.18E-09	-0.008	0.008	0.355	0.009	33.758	TRUE	1.39E-08
PEF	EIF2AK4	cg19538502	rs8035396	G	A	0.127	0.023	0.464	4.13E-08	-0.003	0.003	0.330	0.008	30.073	TRUE	9.11E-08
PEF	EIF2AK4	cg20255370	rs113776570	C	A	0.500	0.031	0.178	1.14E-59	-0.008	0.003	0.012	0.067	265.252	TRUE	6.72E-56
PEF	EIF2AK4	cg20255370	rs12594695	C	G	0.410	0.042	0.080	6.41E-23	-0.005	0.005	0.238	0.026	97.102	TRUE	5.59E-22
PEF	EIF2AK4	cg20255370	rs12900686	T	C	-0.578	0.024	0.331	1.43E-126	0.003	0.003	0.243	0.134	572.416	TRUE	4.40E-118
PEF	EIF2AK4	cg20255370	rs140560970	T	C	0.577	0.101	0.010	1.03E-08	0.012	0.012	0.307	0.009	32.757	TRUE	2.43E-08
PEF	EIF2AK4	cg20255370	rs1540686	G	A	-0.255	0.024	0.448	7.22E-27	0.005	0.003	0.054	0.030	115.109	TRUE	2.14E-25
PEF	EIF2AK4	cg20255370	rs16969811	A	G	0.336	0.040	0.092	1.12E-16	0.005	0.005	0.306	0.018	68.702	TRUE	4.94E-16
PEF	EIF2AK4	cg20255370	rs72729494	T	A	-1.379	0.066	0.035	3.77E-96	0.002	0.007	0.790	0.105	432.679	TRUE	2.04E-91

PEF	EIF2AK4	cg20255370	rs76168202	A	G	-0.673	0.098	0.012	7.26E-12	0.003	0.011	0.749	0.013	46.932	TRUE	1.32E-11
PEF	EIF2AK4	cg20255370	rs8042947	G	A	0.207	0.026	0.259	5.09E-15	0.006	0.003	0.051	0.016	61.192	TRUE	4.04E-14
PEF	EIF2AK4	cg21830797	rs113728914	C	T	0.410	0.039	0.096	9.02E-26	-0.012	0.004	0.005	0.029	110.105	TRUE	5.80E-24
PEF	EIF2AK4	cg21830797	rs12438821	C	T	0.348	0.052	0.057	1.70E-11	-0.005	0.006	0.396	0.012	45.266	TRUE	4.35E-11
PEF	EIF2AK4	cg21830797	rs12439335	C	T	-0.252	0.025	0.334	7.74E-25	0.004	0.003	0.141	0.028	105.848	TRUE	1.11E-23
PEF	EIF2AK4	cg21830797	rs34519780	A	G	-0.250	0.028	0.225	1.54E-19	0.008	0.003	0.005	0.022	81.716	TRUE	4.34E-18
PEF	EIF2AK4	cg21830797	rs518770	C	T	0.850	0.025	0.269	9.08E-261	-0.007	0.003	0.012	0.243	1189.360	TRUE	1.18E-230
PEF	EIF2AK4	cg21830797	rs57932457	C	T	0.359	0.064	0.033	1.85E-08	0.006	0.007	0.392	0.008	31.627	TRUE	3.87E-08
PEF	EIF2AK4	cg21830797	rs62004060	C	G	-0.198	0.032	0.180	3.42E-10	-0.004	0.003	0.202	0.011	39.396	TRUE	1.07E-09
PEF	EIF2AK4	cg21830797	rs7173524	T	C	0.374	0.032	0.159	3.92E-32	0.001	0.003	0.806	0.036	139.154	TRUE	2.72E-31
PEF	EIF2AK4	cg21830797	rs72729404	A	G	0.532	0.067	0.030	2.19E-15	0.000	0.007	0.977	0.017	62.851	TRUE	3.85E-15
PEF	EIF2AK4	cg21830797	rs75110365	T	C	0.391	0.070	0.031	2.14E-08	-0.002	0.007	0.814	0.008	31.345	TRUE	3.10E-08
PEF	EIF2AK4	cg21830797	rs75931581	C	T	0.617	0.066	0.035	1.17E-20	-0.008	0.007	0.284	0.023	86.797	TRUE	7.53E-20
PEF	EIF2AK4	cg21830797	rs76699261	C	G	0.733	0.076	0.024	6.88E-22	-0.008	0.008	0.355	0.024	92.408	TRUE	4.27E-21
PEF	EIF2AK4	cg21830797	rs77820631	G	A	0.697	0.110	0.014	2.53E-10	0.014	0.012	0.215	0.011	39.984	TRUE	7.77E-10
PEF	EIF2AK4	cg21830797	rs8030505	C	G	0.671	0.071	0.029	5.23E-21	-0.011	0.008	0.163	0.023	88.396	TRUE	4.69E-20
PEF	EIF2AK4	cg21830797	rs8033687	C	T	-0.154	0.025	0.327	1.25E-09	-0.001	0.003	0.656	0.010	36.873	TRUE	2.18E-09
PEF	EIF2AK4	cg22077389	rs113728914	C	T	0.444	0.039	0.096	4.53E-30	-0.012	0.004	0.005	0.034	129.733	TRUE	5.15E-28
PEF	EIF2AK4	cg22077389	rs11853517	G	A	0.489	0.051	0.053	1.66E-21	0.002	0.006	0.756	0.024	90.660	TRUE	5.46E-21
PEF	EIF2AK4	cg22077389	rs12439335	C	T	-0.231	0.025	0.334	5.80E-21	0.004	0.003	0.141	0.023	88.193	TRUE	5.66E-20
PEF	EIF2AK4	cg22077389	rs166702	G	A	-0.147	0.024	0.454	4.37E-10	0.001	0.003	0.649	0.010	38.917	TRUE	8.04E-10
PEF	EIF2AK4	cg22077389	rs34519780	A	G	-0.210	0.028	0.225	3.23E-14	0.008	0.003	0.005	0.015	57.557	TRUE	4.57E-13
PEF	EIF2AK4	cg22077389	rs518770	C	T	0.821	0.025	0.269	2.83E-239	-0.007	0.003	0.012	0.228	1090.516	TRUE	4.63E-213
PEF	EIF2AK4	cg22077389	rs62004060	C	G	-0.225	0.032	0.180	1.07E-12	-0.004	0.003	0.202	0.014	50.693	TRUE	4.16E-12
PEF	EIF2AK4	cg22077389	rs7173524	T	C	0.403	0.032	0.159	2.99E-37	0.001	0.003	0.806	0.042	162.560	TRUE	3.28E-36
PEF	EIF2AK4	cg22077389	rs72729404	A	G	0.481	0.067	0.030	7.23E-13	0.000	0.007	0.977	0.014	51.453	TRUE	1.12E-12
PEF	EIF2AK4	cg22077389	rs75110365	T	C	0.434	0.070	0.031	4.81E-10	-0.002	0.007	0.814	0.010	38.733	TRUE	7.54E-10
PEF	EIF2AK4	cg22077389	rs76699261	C	G	0.735	0.076	0.024	4.44E-22	-0.008	0.008	0.355	0.025	93.272	TRUE	2.80E-21
PEF	EIF2AK4	cg22077389	rs8030505	C	G	0.642	0.071	0.029	2.45E-19	-0.011	0.008	0.163	0.021	80.791	TRUE	1.88E-18
PEF	EIF2AK4	cg25407064	rs12438821	C	T	0.360	0.052	0.057	3.27E-12	-0.005	0.006	0.396	0.013	48.492	TRUE	8.82E-12
PEF	EIF2AK4	cg25407064	rs12439335	C	T	-0.251	0.025	0.334	1.68E-24	0.004	0.003	0.141	0.027	104.309	TRUE	2.33E-23
PEF	EIF2AK4	cg25407064	rs166702	G	A	-0.145	0.024	0.454	8.99E-10	0.001	0.003	0.649	0.010	37.512	TRUE	1.62E-09
PEF	EIF2AK4	cg25407064	rs16970319	G	C	0.470	0.039	0.098	5.01E-34	-0.012	0.004	0.005	0.038	147.811	TRUE	9.75E-32
PEF	EIF2AK4	cg25407064	rs34519780	A	G	-0.233	0.028	0.225	3.70E-17	0.008	0.003	0.005	0.019	70.890	TRUE	7.69E-16
PEF	EIF2AK4	cg25407064	rs4566130	T	C	0.610	0.111	0.013	3.64E-08	0.015	0.012	0.181	0.008	30.318	TRUE	9.77E-08
PEF	EIF2AK4	cg25407064	rs518770	C	T	0.883	0.024	0.269	2.39E-284	-0.007	0.003	0.012	0.260	1297.801	TRUE	1.09E-249
PEF	EIF2AK4	cg25407064	rs57932457	C	T	0.411	0.064	0.033	1.27E-10	0.006	0.007	0.392	0.011	41.335	TRUE	3.10E-10
PEF	EIF2AK4	cg25407064	rs62004060	C	G	-0.252	0.032	0.180	1.33E-15	-0.004	0.003	0.202	0.017	63.832	TRUE	6.70E-15
PEF	EIF2AK4	cg25407064	rs7173524	T	C	0.414	0.032	0.159	4.44E-39	0.001	0.003	0.806	0.044	170.925	TRUE	5.81E-38
PEF	EIF2AK4	cg25407064	rs72729408	G	A	0.483	0.065	0.034	7.97E-14	-0.001	0.007	0.898	0.015	55.783	TRUE	1.40E-13
PEF	EIF2AK4	cg25407064	rs75931581	C	T	0.641	0.066	0.035	3.39E-22	-0.008	0.007	0.284	0.025	93.805	TRUE	2.49E-21
PEF	EIF2AK4	cg25407064	rs76699261	C	G	0.711	0.076	0.024	1.09E-20	-0.008	0.008	0.355	0.023	86.940	TRUE	6.13E-20

PEF	EIF2AK4	cg25407064	rs8030505	C	G	0.681	0.071	0.029	1.46E-21	-0.011	0.008	0.163	0.024	90.918	TRUE	1.38E-20
PEF	EIF4G1	cg05272594	rs2230570	C	T	0.800	0.078	0.025	1.10E-24	0.018	0.008	0.027	0.028	105.157	TRUE	3.31E-23
PEF	EIF4G1	cg06294803	rs114449328	G	A	0.686	0.123	0.017	2.52E-08	0.007	0.011	0.499	0.008	31.032	TRUE	4.68E-08
PEF	EIF4G1	cg06294803	rs55829914	G	A	0.180	0.027	0.245	2.53E-11	-0.004	0.003	0.204	0.012	44.488	TRUE	8.64E-11
PEF	EIF4G1	cg06398251	rs2230570	C	T	0.447	0.078	0.025	1.24E-08	0.018	0.008	0.027	0.009	32.409	TRUE	5.78E-08
PEF	EPHA2	cg00107046	rs11260745	C	T	-0.299	0.054	0.046	4.02E-08	0.005	0.006	0.391	0.008	30.126	TRUE	8.17E-08
PEF	EPHA2	cg03258665	rs7514138	A	G	0.325	0.036	0.122	8.82E-20	0.017	0.004	1.04E-05	0.022	82.812	TRUE	1.08E-17
PEF	EPHA2	cg03258665	rs7538833	T	C	-0.348	0.024	0.375	2.86E-47	0.006	0.003	0.034	0.053	208.428	TRUE	1.37E-44
PEF	EPHA2	cg03258665	rs9442213	T	C	-0.202	0.027	0.261	5.16E-14	0.003	0.003	0.279	0.015	56.638	TRUE	1.90E-13
PEF	EPHA2	cg15074789	rs113286431	C	T	0.593	0.085	0.017	2.44E-12	-0.014	0.008	0.102	0.013	49.065	TRUE	1.18E-11
PEF	EPHA2	cg15074789	rs12738633	T	A	0.583	0.059	0.034	6.44E-23	-0.014	0.006	0.026	0.026	97.095	TRUE	1.58E-21
PEF	EPHA2	cg15074789	rs1803527	C	T	0.958	0.060	0.037	3.85E-57	-0.006	0.007	0.388	0.064	253.666	TRUE	1.07E-54
PEF	EPHA2	cg15074789	rs34025793	A	G	0.462	0.084	0.019	3.54E-08	-0.021	0.008	0.009	0.008	30.372	TRUE	1.94E-07
PEF	EPHA2	cg21647035	rs12401559	T	C	-0.332	0.025	0.337	9.12E-41	0.004	0.003	0.107	0.046	178.646	TRUE	8.89E-39
PEF	EPHA2	cg21647035	rs3738631	G	C	0.136	0.024	0.337	2.77E-08	0.003	0.003	0.232	0.008	30.844	TRUE	6.93E-08
PEF	EPHA2	cg21647035	rs7515143	G	A	-0.137	0.025	0.335	3.84E-08	0.004	0.003	0.121	0.008	30.212	TRUE	1.18E-07
PEF	EPHA2	cg21647035	rs9442232	A	G	-0.183	0.026	0.294	1.11E-12	0.003	0.003	0.234	0.013	50.609	TRUE	3.98E-12
PEF	EPHA2	cg22874802	rs138997233	T	C	0.918	0.165	0.011	2.75E-08	0.023	0.013	0.065	0.008	30.857	TRUE	1.00E-07
PEF	EPHA2	cg24494577	rs6678616	T	C	0.270	0.025	0.346	1.17E-27	0.004	0.003	0.139	0.031	118.710	TRUE	2.16E-26
PEF	EPHA2	cg24518441	rs6678616	T	C	-0.153	0.025	0.346	4.96E-10	0.004	0.003	0.139	0.010	38.674	TRUE	1.69E-09
PEF	EPHA2	cg26371327	rs28695308	C	T	0.186	0.024	0.483	4.63E-15	-0.003	0.003	0.199	0.016	61.380	TRUE	2.27E-14
PEF	EPHA2	cg26371327	rs6679761	A	G	-0.360	0.024	0.373	1.01E-50	0.006	0.003	0.030	0.057	224.243	TRUE	8.42E-48
PEF	EPHA2	cg26371327	rs74394813	T	C	0.392	0.036	0.120	6.78E-28	0.017	0.004	1.24E-05	0.031	119.799	TRUE	3.12E-25
PEF	EPHA2	cg26793227	rs3132274	T	C	-0.193	0.035	0.126	4.95E-08	0.015	0.004	6.49E-05	0.008	29.721	TRUE	5.73E-07
PEF	EPHA2	cg27582323	rs28553367	G	T	-0.211	0.027	0.267	1.91E-15	0.003	0.003	0.353	0.017	63.126	TRUE	7.03E-15
PEF	EPHA2	cg27582323	rs59792697	T	C	0.290	0.036	0.122	5.69E-16	0.017	0.004	8.65E-06	0.017	65.506	TRUE	3.79E-14
PEF	EPHA2	cg27582323	rs6679761	A	G	-0.340	0.024	0.373	3.97E-45	0.006	0.003	0.030	0.051	198.613	TRUE	1.49E-42
PEF	ERBB3	cg00907267	rs7955865	A	T	-0.189	0.024	0.352	7.97E-15	-0.009	0.003	9.82E-04	0.016	60.309	TRUE	1.86E-13
PEF	ERBB3	cg05207107	rs10783779	G	T	0.161	0.024	0.409	1.78E-11	-0.007	0.003	0.005	0.012	45.175	TRUE	1.66E-10
PEF	ERBB3	cg05207107	rs773121	A	G	-0.497	0.037	0.108	7.57E-41	0.011	0.004	0.004	0.046	179.017	TRUE	4.02E-38
PEF	ERBB3	cg10869879	rs76219216	C	G	0.323	0.053	0.047	9.11E-10	-0.002	0.006	0.761	0.010	37.486	TRUE	1.46E-09
PEF	ERBB3	cg10869879	rs7955865	A	T	-0.305	0.024	0.352	4.00E-36	-0.009	0.003	9.82E-04	0.041	157.406	TRUE	2.02E-33
PEF	ERBB3	cg17843101	rs10876870	A	C	0.206	0.024	0.424	6.88E-18	-0.005	0.003	0.056	0.020	74.210	TRUE	7.59E-17
PEF	ERBB3	cg23731805	rs705696	A	G	-0.329	0.024	0.347	7.90E-42	-0.008	0.003	0.002	0.047	183.509	TRUE	7.72E-39
PEF	ERCC4	cg03927470	rs13334256	T	G	-0.174	0.031	0.173	1.96E-08	-0.004	0.003	0.274	0.008	31.521	TRUE	4.67E-08
PEF	ERCC4	cg03927470	rs3136155	T	C	-0.530	0.024	0.341	8.26E-109	-0.007	0.003	0.011	0.117	490.823	TRUE	8.37E-101
PEF	ERCC4	cg03927470	rs66859427	C	A	0.174	0.027	0.255	1.92E-10	-0.002	0.003	0.591	0.011	40.524	TRUE	3.78E-10
PEF	ERCC4	cg03927470	rs72783404	C	T	-0.364	0.066	0.035	3.38E-08	0.002	0.006	0.715	0.008	30.461	TRUE	5.20E-08
PEF	ERCC4	cg24091698	rs3136085	C	G	-0.197	0.026	0.276	2.10E-14	-0.007	0.003	0.017	0.016	58.408	TRUE	2.22E-13
PEF	EXOC1	cg20618651	rs6824915	T	C	-0.345	0.025	0.305	4.49E-43	0.006	0.003	0.022	0.049	189.210	TRUE	1.63E-40
PEF	EYA2	cg00507855	rs11698310	G	A	-0.206	0.026	0.275	2.30E-15	0.003	0.003	0.221	0.017	62.756	TRUE	1.06E-14
PEF	EYA2	cg00507855	rs11698823	A	T	0.187	0.027	0.255	6.06E-12	-0.001	0.003	0.747	0.013	47.284	TRUE	1.10E-11

PEF	EYA2	cg00507855	rs143763104	T	G	-0.853	0.131	0.014	6.50E-11	-0.022	0.011	0.045	0.011	42.640	TRUE	3.47E-10
PEF	EYA2	cg06554935	rs6122562	G	A	0.214	0.023	0.471	3.05E-20	-0.004	0.003	0.137	0.022	84.913	TRUE	2.87E-19
PEF	EYA2	cg26046136	rs6018188	G	A	-0.215	0.024	0.496	7.75E-20	0.009	0.003	2.40E-04	0.022	83.069	TRUE	5.24E-18
PEF	EYA2	cg27589058	rs116887461	A	G	0.660	0.105	0.028	3.71E-10	0.010	0.008	0.191	0.010	39.239	TRUE	1.17E-09
PEF	EYA2	cg27589058	rs11696358	G	C	-0.227	0.037	0.111	1.32E-09	0.002	0.004	0.683	0.010	36.760	TRUE	2.26E-09
PEF	EYA2	cg27589058	rs1340774	G	C	0.174	0.026	0.285	3.23E-11	0.000	0.003	0.968	0.012	44.010	TRUE	4.67E-11
PEF	EYA2	cg27589058	rs141614125	T	C	-0.587	0.082	0.020	1.09E-12	0.007	0.009	0.414	0.014	50.652	TRUE	2.99E-12
PEF	EYA2	cg27589058	rs2066225	T	C	0.290	0.023	0.487	2.61E-35	0.005	0.003	0.042	0.040	153.680	TRUE	2.31E-33
PEF	EYA2	cg27589058	rs28410109	T	C	0.422	0.056	0.045	3.34E-14	0.009	0.006	0.163	0.015	57.494	TRUE	1.60E-13
PEF	EYA2	cg27589058	rs2868859	T	C	0.277	0.024	0.356	7.88E-30	-0.001	0.003	0.843	0.034	128.634	TRUE	4.24E-29
PEF	EYA2	cg27589058	rs2903940	G	A	0.824	0.020	0.495	<1E-200	0.001	0.003	0.706	0.309	1652.887	TRUE	<1E-200
PEF	EYA2	cg27589058	rs4810621	C	T	-0.467	0.036	0.125	2.49E-39	0.006	0.004	0.110	0.044	172.074	TRUE	2.03E-37
PEF	EYA2	cg27589058	rs6018337	A	G	0.405	0.057	0.087	9.67E-13	0.001	0.005	0.844	0.014	50.882	TRUE	1.69E-12
PEF	EYA2	cg27589058	rs6066249	T	C	-0.373	0.024	0.404	2.11E-54	-0.001	0.003	0.770	0.061	241.109	TRUE	1.69E-52
PEF	EYA4	cg00156497	rs113131165	A	G	-0.869	0.116	0.011	7.68E-14	0.002	0.011	0.852	0.015	55.855	TRUE	1.41E-13
PEF	EYA4	cg00156497	rs117434049	A	G	0.472	0.080	0.026	3.44E-09	0.000	0.008	0.959	0.009	34.898	TRUE	4.60E-09
PEF	EYA4	cg00156497	rs12154093	T	C	-0.696	0.093	0.016	6.51E-14	0.014	0.010	0.143	0.015	56.182	TRUE	3.22E-13
PEF	EYA4	cg00156497	rs12189904	T	C	0.516	0.036	0.144	3.56E-47	0.002	0.004	0.525	0.053	207.994	TRUE	1.93E-45
PEF	EYA4	cg00156497	rs1343867	T	C	0.635	0.025	0.348	1.88E-138	-0.002	0.003	0.553	0.145	627.016	TRUE	2.97E-129
PEF	EYA4	cg00156497	rs141902412	G	T	-0.507	0.090	0.046	2.03E-08	0.013	0.006	0.044	0.008	31.452	TRUE	8.22E-08
PEF	EYA4	cg00156497	rs150999062	A	C	-0.967	0.075	0.025	2.12E-38	-0.013	0.009	0.158	0.043	167.813	TRUE	1.21E-36
PEF	EYA4	cg00156497	rs184200748	T	A	0.519	0.076	0.022	1.16E-11	-0.010	0.008	0.236	0.012	46.016	TRUE	3.82E-11
PEF	EYA4	cg00156497	rs2104261	T	C	-0.233	0.031	0.206	1.23E-13	0.009	0.003	0.004	0.015	54.937	TRUE	1.69E-12
PEF	EYA4	cg00156497	rs211436	T	C	0.600	0.029	0.244	8.99E-98	0.000	0.003	0.963	0.106	440.132	TRUE	4.12E-93
PEF	EYA4	cg00156497	rs212785	C	T	0.358	0.039	0.116	4.68E-20	-0.007	0.004	0.069	0.022	84.066	TRUE	5.64E-19
PEF	EYA4	cg00156497	rs2294758	A	G	-0.211	0.027	0.326	9.98E-15	0.004	0.003	0.151	0.016	59.867	TRUE	5.23E-14
PEF	EYA4	cg00156497	rs2327351	G	A	-0.432	0.029	0.248	2.94E-50	0.009	0.003	0.001	0.057	222.117	TRUE	1.10E-46
PEF	EYA4	cg00156497	rs2636610	A	G	0.212	0.033	0.168	1.81E-10	-0.015	0.003	8.17E-06	0.011	40.642	TRUE	4.19E-09
PEF	EYA4	cg00156497	rs271140	G	A	0.343	0.027	0.354	3.68E-38	0.001	0.003	0.842	0.043	166.720	TRUE	4.13E-37
PEF	EYA4	cg00156497	rs3798355	T	C	0.399	0.048	0.072	1.97E-16	-0.006	0.005	0.237	0.018	67.594	TRUE	9.86E-16
PEF	EYA4	cg00156497	rs509685	A	G	-0.975	0.025	0.266	<1E-200	0.011	0.003	1.05E-04	0.296	1554.923	TRUE	1.37E-291
PEF	EYA4	cg00156497	rs59740783	A	G	-0.253	0.040	0.116	1.60E-10	-0.002	0.004	0.684	0.011	40.877	TRUE	2.89E-10
PEF	EYA4	cg00156497	rs72996130	C	A	0.474	0.085	0.051	2.64E-08	-0.004	0.005	0.449	0.008	30.937	TRUE	5.14E-08
PEF	EYA4	cg00156497	rs75673578	T	C	-0.567	0.077	0.065	1.44E-13	0.005	0.005	0.261	0.015	54.627	TRUE	5.34E-13
PEF	EYA4	cg00156497	rs75800244	T	C	-0.344	0.055	0.055	3.22E-10	0.008	0.005	0.128	0.011	39.517	TRUE	1.17E-09
PEF	EYA4	cg00156497	rs7750244	T	C	0.422	0.029	0.257	7.14E-48	-0.007	0.003	0.015	0.054	211.189	TRUE	6.37E-45
PEF	EYA4	cg00156497	rs79506917	G	A	0.414	0.052	0.056	2.93E-15	0.007	0.005	0.140	0.017	62.281	TRUE	1.66E-14
PEF	EYA4	cg00156497	rs79597233	C	T	-0.784	0.096	0.016	4.24E-16	-0.018	0.010	0.066	0.018	66.084	TRUE	3.51E-15
PEF	EYA4	cg00156497	rs9373034	T	C	0.245	0.028	0.317	1.07E-18	0.002	0.003	0.377	0.021	77.881	TRUE	4.93E-18
PEF	EYA4	cg00156497	rs998630	G	A	-0.453	0.081	0.026	1.90E-08	0.007	0.008	0.356	0.008	31.579	TRUE	4.11E-08
PEF	EYA4	cg01162672	rs569833	T	C	0.190	0.029	0.252	1.20E-10	0.012	0.003	7.04E-05	0.011	41.441	TRUE	2.30E-09
PEF	EYA4	cg08917489	rs3777781	A	T	-0.228	0.030	0.221	3.09E-14	-0.007	0.003	0.016	0.015	57.648	TRUE	3.31E-13

PEF	EYA4	cg08917489	rs9402497	A	G	0.235	0.031	0.221	1.36E-14	0.000	0.003	0.974	0.016	59.254	TRUE	2.31E-14
PEF	EYA4	cg10105884	rs7756044	C	T	0.302	0.042	0.100	6.11E-13	-0.001	0.004	0.743	0.014	51.784	TRUE	1.18E-12
PEF	EYA4	cg13912545	rs1338009	C	T	0.228	0.025	0.442	2.10E-19	-0.005	0.003	0.048	0.021	81.099	TRUE	2.83E-18
PEF	EYA4	cg17722675	rs546329	C	T	0.164	0.027	0.369	7.49E-10	0.007	0.003	0.006	0.010	37.868	TRUE	5.86E-09
PEF	EYA4	cg17985029	rs12200155	A	G	0.320	0.030	0.223	9.42E-26	0.001	0.003	0.644	0.029	110.018	TRUE	5.01E-25
PEF	EYA4	cg17985029	rs1338009	C	T	0.662	0.024	0.442	1.08E-167	-0.005	0.003	0.048	0.171	761.400	TRUE	2.75E-153
PEF	EYA4	cg17985029	rs1338015	G	A	0.547	0.063	0.042	5.28E-18	-0.012	0.006	0.040	0.020	74.731	TRUE	6.29E-17
PEF	EYA4	cg17985029	rs1763931	T	C	0.407	0.072	0.033	1.48E-08	0.026	0.007	2.54E-04	0.009	32.056	TRUE	1.54E-07
PEF	EYA4	cg17985029	rs271146	A	G	-0.189	0.028	0.309	8.94E-12	0.005	0.003	0.070	0.012	46.523	TRUE	4.53E-11
PEF	EYA4	cg17985029	rs35047285	T	A	0.221	0.028	0.297	1.93E-15	-0.006	0.003	0.020	0.017	63.101	TRUE	2.13E-14
PEF	EYA4	cg17985029	rs6569884	T	G	0.157	0.027	0.343	4.23E-09	-0.003	0.003	0.307	0.009	34.496	TRUE	1.01E-08
PEF	EYA4	cg17985029	rs6915515	C	T	0.193	0.034	0.166	1.20E-08	-0.003	0.003	0.357	0.009	32.463	TRUE	2.63E-08
PEF	EYA4	cg17985029	rs764263	C	G	-0.188	0.028	0.291	2.45E-11	0.003	0.003	0.256	0.012	44.553	TRUE	7.46E-11
PEF	EYA4	cg17985029	rs78088188	A	G	0.421	0.063	0.039	2.27E-11	-0.009	0.007	0.178	0.012	44.699	TRUE	8.22E-11
PEF	EYA4	cg17985029	rs79506917	G	A	0.347	0.053	0.056	4.03E-11	0.007	0.005	0.140	0.012	43.574	TRUE	1.55E-10
PEF	EYA4	cg17985029	rs9493593	T	A	-0.277	0.030	0.227	3.05E-20	-0.002	0.003	0.504	0.022	84.908	TRUE	1.29E-19
PEF	EYA4	cg17985029	rs9493650	G	T	0.218	0.030	0.213	2.56E-13	-0.013	0.003	1.89E-05	0.014	53.495	TRUE	9.26E-12
PEF	EYA4	cg18714224	rs116854053	G	A	-0.618	0.107	0.025	8.92E-09	-0.001	0.008	0.905	0.009	33.044	TRUE	1.23E-08
PEF	EYA4	cg18714224	rs1414982	G	A	-0.211	0.026	0.412	2.02E-16	-0.004	0.003	0.156	0.018	67.549	TRUE	1.18E-15
PEF	EYA4	cg18714224	rs142408436	C	T	-0.474	0.076	0.024	5.51E-10	-0.010	0.007	0.143	0.010	38.466	TRUE	1.89E-09
PEF	EYA4	cg18714224	rs211630	A	C	-0.325	0.053	0.058	9.22E-10	-0.007	0.006	0.256	0.010	37.464	TRUE	2.52E-09
PEF	EYA4	cg18714224	rs2145351	A	G	-0.565	0.029	0.222	4.30E-83	-0.008	0.003	0.013	0.092	372.731	TRUE	1.67E-77
PEF	EYA4	cg18714224	rs2765784	C	G	0.166	0.026	0.351	3.46E-10	-0.004	0.003	0.099	0.011	39.377	TRUE	1.40E-09
PEF	EYA4	cg18714224	rs56017741	C	T	0.206	0.030	0.241	8.16E-12	0.009	0.003	0.003	0.012	46.703	TRUE	9.14E-11
PEF	EYA4	cg18817392	rs73544950	A	C	-0.368	0.055	0.057	2.42E-11	-0.005	0.006	0.372	0.012	44.575	TRUE	6.36E-11
PEF	EYA4	cg20422212	rs35047285	T	A	-0.153	0.028	0.297	3.64E-08	-0.006	0.003	0.020	0.008	30.318	TRUE	1.66E-07
PEF	EYA4	cg21296676	rs9389054	C	T	0.224	0.025	0.443	8.72E-19	-0.005	0.003	0.054	0.021	78.286	TRUE	1.06E-17
PEF	EYA4	cg21390624	rs1338009	C	T	0.171	0.025	0.442	1.71E-11	-0.005	0.003	0.048	0.012	45.257	TRUE	9.72E-11
PEF	EYA4	cg24675448	rs146295755	T	C	0.699	0.079	0.026	1.22E-18	-0.003	0.008	0.723	0.021	77.623	TRUE	3.45E-18
PEF	EYA4	cg24675448	rs17639928	G	A	0.455	0.075	0.032	1.05E-09	-0.012	0.007	0.106	0.010	37.216	TRUE	3.86E-09
PEF	EYA4	cg24675448	rs17819710	C	T	-0.239	0.041	0.109	4.27E-09	-0.003	0.004	0.507	0.009	34.477	TRUE	8.23E-09
PEF	EYA4	cg24675448	rs184200748	T	A	0.682	0.076	0.022	3.53E-19	-0.010	0.008	0.236	0.021	80.074	TRUE	2.21E-18
PEF	EYA4	cg24675448	rs212816	A	T	0.216	0.028	0.264	1.07E-14	-0.006	0.003	0.047	0.016	59.731	TRUE	8.41E-14
PEF	EYA4	cg24675448	rs4513809	G	A	-0.315	0.057	0.056	3.09E-08	-0.009	0.006	0.116	0.008	30.636	TRUE	9.58E-08
PEF	EYA4	cg24675448	rs540346	T	C	-0.247	0.026	0.424	1.05E-21	-0.007	0.003	0.009	0.024	91.569	TRUE	3.17E-20
PEF	EYA4	cg24675448	rs6569884	T	G	0.173	0.027	0.343	8.74E-11	-0.003	0.003	0.307	0.011	42.062	TRUE	2.37E-10
PEF	EYA4	cg24675448	rs75920132	C	A	0.692	0.077	0.027	2.18E-19	-0.002	0.008	0.858	0.021	81.027	TRUE	5.52E-19
PEF	EYA4	cg24675448	rs7756667	A	G	0.567	0.081	0.026	3.23E-12	0.016	0.009	0.055	0.013	48.520	TRUE	1.88E-11
PEF	EYA4	cg24675448	rs79388041	T	C	0.579	0.097	0.018	2.40E-09	0.031	0.010	0.001	0.010	35.598	TRUE	2.23E-08
PEF	EYA4	cg24675448	rs79506917	G	A	0.453	0.052	0.056	4.86E-18	0.007	0.005	0.140	0.020	74.896	TRUE	3.57E-17
PEF	EYA4	cg24675448	rs9385643	A	G	0.299	0.025	0.492	1.86E-32	-0.006	0.003	0.028	0.037	140.632	TRUE	1.41E-30
PEF	EYA4	cg24675448	rs9399054	A	G	0.824	0.029	0.219	3.19E-180	0.001	0.003	0.812	0.181	819.002	TRUE	2.99E-166

PEF	EYA4	cg24675448	rs9402503	A	C	0.378	0.042	0.261	3.88E-19	0.001	0.003	0.865	0.021	79.887	TRUE	9.59E-19
PEF	EYA4	cg24675448	rs9493417	G	A	0.153	0.025	0.471	1.18E-09	-0.004	0.003	0.127	0.010	36.975	TRUE	4.18E-09
PEF	EYA4	cg25075347	rs12202432	A	G	0.376	0.056	0.053	2.22E-11	-0.009	0.006	0.117	0.012	44.744	TRUE	9.27E-11
PEF	EYA4	cg25075347	rs13212719	G	A	0.399	0.033	0.174	1.06E-33	0.004	0.003	0.284	0.038	146.317	TRUE	2.42E-32
PEF	EYA4	cg25075347	rs148326755	T	G	0.467	0.085	0.020	3.36E-08	-0.011	0.009	0.218	0.008	30.471	TRUE	8.54E-08
PEF	EYA4	cg25075347	rs159408	T	A	0.397	0.026	0.390	1.79E-54	-0.001	0.003	0.627	0.061	241.433	TRUE	1.84E-52
PEF	EYA4	cg25075347	rs17642884	G	A	-0.279	0.034	0.162	2.82E-16	0.010	0.003	0.006	0.018	66.892	TRUE	5.19E-15
PEF	EYA4	cg25075347	rs211621	G	A	0.497	0.048	0.077	8.63E-25	-0.009	0.005	0.074	0.028	105.631	TRUE	1.69E-23
PEF	EYA4	cg25075347	rs211623	T	G	0.938	0.019	0.466	<1E-200	-0.006	0.003	0.028	0.388	2349.486	TRUE	<1E-200
PEF	EYA4	cg25075347	rs271114	T	C	-0.200	0.026	0.431	1.80E-14	-0.001	0.003	0.723	0.016	58.709	TRUE	3.88E-14
PEF	EYA4	cg25075347	rs35762882	C	T	0.818	0.140	0.016	5.31E-09	0.006	0.008	0.455	0.009	34.053	TRUE	1.08E-08
PEF	EYA4	cg25075347	rs498079	G	C	-0.341	0.029	0.260	2.82E-31	0.012	0.003	7.71E-05	0.035	135.240	TRUE	1.43E-28
PEF	EYA4	cg25075347	rs6569884	T	G	0.197	0.027	0.343	1.40E-13	-0.003	0.003	0.307	0.015	54.671	TRUE	4.73E-13
PEF	EYA4	cg25075347	rs78413605	C	G	0.284	0.030	0.227	5.67E-21	-0.013	0.023	0.587	0.023	88.235	TRUE	2.27E-20
PEF	EYA4	cg25075347	rs78507367	T	A	-0.241	0.042	0.101	1.23E-08	-0.006	0.004	0.157	0.009	32.415	TRUE	3.63E-08
PEF	EYA4	cg25075347	rs9389048	T	C	0.285	0.037	0.142	1.22E-14	-0.006	0.004	0.117	0.016	59.472	TRUE	7.08E-14
PEF	EYA4	cg25075347	rs9483586	A	G	-0.281	0.028	0.294	6.07E-24	-0.004	0.003	0.214	0.027	101.769	TRUE	6.27E-23
PEF	FAF1	cg07174182	rs11205809	G	A	-0.374	0.034	0.136	1.13E-28	0.005	0.004	0.184	0.032	123.354	TRUE	2.03E-27
PEF	FAF1	cg07174182	rs140892763	T	C	-0.920	0.126	0.014	3.21E-13	0.010	0.011	0.406	0.014	53.047	TRUE	9.31E-13
PEF	FAF1	cg07174182	rs2784156	C	T	-0.217	0.023	0.482	1.92E-20	0.024	0.003	4.38E-21	0.023	85.823	TRUE	2.35E-16
PEF	FAF1	cg07174182	rs72894174	C	T	-0.397	0.037	0.110	2.71E-27	-0.008	0.004	0.044	0.031	117.050	TRUE	8.81E-26
PEF	FAF1	cg07174182	rs72900938	C	T	-1.293	0.035	0.090	6.83E-291	0.024	0.004	5.73E-08	0.264	1327.900	TRUE	1.85E-250
PEF	FAF1	cg12421536	rs147074973	C	T	-0.297	0.040	0.089	2.15E-13	0.022	0.004	6.61E-07	0.014	53.833	TRUE	1.31E-11
PEF	FAIM	cg02712878	rs11924443	T	G	-0.489	0.023	0.462	6.60E-99	-0.009	0.003	2.67E-04	0.107	445.342	TRUE	8.08E-91
PEF	FAIM	cg02712878	rs40005	G	A	-0.183	0.029	0.215	1.52E-10	-0.007	0.003	0.014	0.011	40.980	TRUE	1.05E-09
PEF	FAIM	cg02712878	rs62280707	A	G	-0.293	0.044	0.086	2.67E-11	0.001	0.005	0.915	0.012	44.379	TRUE	4.07E-11
PEF	FAIM	cg02712878	rs6784503	T	A	0.441	0.057	0.043	1.48E-14	0.004	0.006	0.489	0.016	59.095	TRUE	4.19E-14
PEF	FAIM	cg06309968	rs7650967	G	A	-0.166	0.024	0.464	2.99E-12	-0.009	0.003	3.53E-04	0.013	48.672	TRUE	5.65E-11
PEF	FAIM	cg17462391	rs1585188	C	T	-0.275	0.023	0.444	3.28E-32	-0.010	0.003	1.07E-04	0.036	139.512	TRUE	1.82E-29
PEF	FAIM	cg17462391	rs9819273	C	G	-0.243	0.043	0.084	1.89E-08	0.000	0.005	0.929	0.008	31.586	TRUE	2.51E-08
PEF	FER	cg11403831	rs79409628	T	G	-0.363	0.043	0.079	5.51E-17	0.010	0.005	0.026	0.019	70.107	TRUE	7.02E-16
PEF	FER	cg16174681	rs6594336	T	C	-0.150	0.024	0.453	2.03E-10	-0.002	0.003	0.501	0.011	40.416	TRUE	4.34E-10
PEF	FER	cg16174681	rs79409628	T	G	0.513	0.044	0.079	1.15E-31	0.010	0.005	0.026	0.036	137.023	TRUE	8.30E-30
PEF	FER	cg16286925	rs11950165	A	T	-0.178	0.027	0.251	7.21E-11	-0.003	0.003	0.270	0.011	42.438	TRUE	2.11E-10
PEF	FER	cg17317165	rs143093286	A	G	-0.242	0.027	0.228	1.41E-18	-0.004	0.003	0.224	0.020	77.344	TRUE	8.73E-18
PEF	FER	cg17317165	rs6869357	C	T	-0.142	0.024	0.394	5.06E-09	-0.001	0.003	0.757	0.009	34.146	TRUE	7.88E-09
PEF	FER	cg19526267	rs10063167	A	T	-0.137	0.024	0.373	1.28E-08	0.002	0.003	0.513	0.009	32.339	TRUE	2.40E-08
PEF	FER	cg19526267	rs181331526	G	A	0.547	0.056	0.043	2.18E-22	0.000	0.006	0.978	0.025	94.680	TRUE	5.80E-22
PEF	FER	cg19730600	rs10059972	A	G	0.402	0.073	0.031	3.72E-08	0.004	0.007	0.604	0.008	30.273	TRUE	6.24E-08
PEF	FER	cg19730600	rs115004203	A	G	0.440	0.068	0.030	1.27E-10	0.000	0.007	0.985	0.011	41.332	TRUE	1.76E-10
PEF	FER	cg19730600	rs12152902	A	G	0.652	0.029	0.205	1.12E-115	-0.002	0.003	0.495	0.124	522.366	TRUE	9.04E-109
PEF	FER	cg19730600	rs145640892	T	C	0.562	0.076	0.026	1.11E-13	-0.016	0.009	0.064	0.015	55.135	TRUE	7.15E-13

PEF	FER	cg19730600	rs2940516	C	T	-0.151	0.024	0.363	2.93E-10	-0.004	0.003	0.167	0.011	39.699	TRUE	9.80E-10
PEF	FER	cg19730600	rs35863505	T	G	0.261	0.027	0.252	1.17E-22	-0.003	0.003	0.278	0.025	95.913	TRUE	9.25E-22
PEF	FER	cg19730600	rs6861439	A	G	0.136	0.023	0.424	7.09E-09	-0.001	0.003	0.673	0.009	33.493	TRUE	1.17E-08
PEF	FER	cg19730600	rs6885260	T	G	-0.172	0.030	0.178	1.55E-08	0.007	0.003	0.027	0.009	31.976	TRUE	7.15E-08
PEF	FER	cg19730600	rs75390688	A	C	0.350	0.055	0.052	1.66E-10	0.003	0.005	0.568	0.011	40.808	TRUE	3.33E-10
PEF	FER	cg19730600	rs7711795	G	A	-0.199	0.026	0.295	1.86E-14	0.002	0.003	0.456	0.016	58.643	TRUE	5.52E-14
PEF	FER	cg20423064	rs10074335	G	A	-0.240	0.044	0.078	3.54E-08	0.001	0.005	0.897	0.008	30.369	TRUE	4.76E-08
PEF	FER	cg20423064	rs12519202	T	C	-0.221	0.035	0.119	3.41E-10	0.001	0.004	0.859	0.011	39.400	TRUE	5.19E-10
PEF	FER	cg20423064	rs2081126	C	T	-0.145	0.025	0.351	3.13E-09	0.000	0.003	0.921	0.009	35.085	TRUE	4.36E-09
PEF	FER	cg20423064	rs75169262	A	G	-0.339	0.057	0.043	2.71E-09	-0.004	0.007	0.575	0.009	35.365	TRUE	5.02E-09
PEF	FER	cg20423064	rs7734520	T	G	-0.727	0.051	0.050	5.83E-47	-0.001	0.005	0.855	0.053	207.009	TRUE	1.62E-45
PEF	FEZ1	cg01460481	rs2321158	G	A	-0.167	0.023	0.472	8.75E-13	-0.003	0.003	0.239	0.014	51.079	TRUE	3.21E-12
PEF	FEZ1	cg01460481	rs2845849	T	C	-0.205	0.028	0.230	1.48E-13	-0.001	0.003	0.880	0.015	54.564	TRUE	2.64E-13
PEF	FEZ1	cg01460481	rs3862619	T	G	0.253	0.024	0.404	6.24E-27	0.007	0.003	0.007	0.030	115.397	TRUE	4.10E-25
PEF	FEZ1	cg01460481	rs511246	T	C	0.643	0.107	0.014	1.82E-09	-0.003	0.011	0.812	0.010	36.138	TRUE	2.77E-09
PEF	FEZ1	cg01460481	rs546039	C	T	0.183	0.024	0.395	1.88E-14	-0.002	0.003	0.433	0.016	58.626	TRUE	5.65E-14
PEF	FEZ1	cg01460481	rs666160	G	A	0.838	0.035	0.118	1.02E-123	0.007	0.004	0.056	0.131	559.312	TRUE	9.11E-115
PEF	FEZ1	cg01460481	rs77348105	C	T	0.754	0.072	0.029	8.91E-26	0.005	0.008	0.518	0.029	110.128	TRUE	5.78E-25
PEF	FEZ1	cg05390307	rs11220103	T	C	-0.177	0.029	0.192	1.62E-09	0.002	0.003	0.636	0.010	36.369	TRUE	2.85E-09
PEF	FEZ1	cg06302541	rs551131	T	C	-0.238	0.043	0.084	3.38E-08	0.002	0.005	0.604	0.008	30.460	TRUE	5.67E-08
PEF	FEZ1	cg12906303	rs10893425	C	T	-0.158	0.023	0.495	1.07E-11	-0.001	0.003	0.808	0.012	46.167	TRUE	1.83E-11
PEF	FEZ1	cg12906303	rs13424	C	A	0.144	0.024	0.326	3.69E-09	-0.004	0.003	0.155	0.009	34.761	TRUE	1.17E-08
PEF	FEZ1	cg12906303	rs1522761	C	A	-0.155	0.023	0.466	1.69E-11	0.001	0.003	0.805	0.012	45.274	TRUE	2.86E-11
PEF	FEZ1	cg12906303	rs1941367	T	C	0.203	0.024	0.355	1.52E-17	0.005	0.003	0.066	0.019	72.649	TRUE	1.46E-16
PEF	FEZ1	cg12906303	rs2321158	G	A	-0.207	0.023	0.472	6.89E-19	-0.003	0.003	0.239	0.021	78.752	TRUE	4.27E-18
PEF	FEZ1	cg12906303	rs2513090	A	G	0.808	0.035	0.124	3.71E-118	0.008	0.004	0.047	0.126	533.761	TRUE	1.02E-109
PEF	FEZ1	cg12906303	rs511246	T	C	0.657	0.107	0.014	7.30E-10	-0.003	0.011	0.812	0.010	37.919	TRUE	1.13E-09
PEF	FEZ1	cg12906303	rs77348105	C	T	0.711	0.072	0.029	3.50E-23	0.005	0.008	0.518	0.026	98.300	TRUE	1.83E-22
PEF	FEZ1	cg15184602	rs12421948	T	C	-0.201	0.034	0.139	3.79E-09	-0.003	0.004	0.476	0.009	34.709	TRUE	7.53E-09
PEF	FEZ1	cg15184602	rs1284352	C	A	0.146	0.024	0.356	1.83E-09	0.001	0.003	0.622	0.010	36.125	TRUE	3.25E-09
PEF	FEZ1	cg15184602	rs2849222	C	T	0.208	0.026	0.291	3.58E-16	0.005	0.003	0.092	0.018	66.416	TRUE	2.61E-15
PEF	FEZ1	cg18436735	rs2845849	T	C	-0.176	0.028	0.230	1.98E-10	-0.001	0.003	0.880	0.011	40.464	TRUE	3.02E-10
PEF	FEZ1	cg18436735	rs3862619	T	G	0.178	0.024	0.404	4.42E-14	0.007	0.003	0.007	0.015	56.943	TRUE	5.65E-13
PEF	FEZ1	cg18436735	rs669052	C	A	0.636	0.036	0.121	1.28E-70	0.008	0.004	0.033	0.079	315.492	TRUE	2.46E-66
PEF	FEZ1	cg18436735	rs77348105	C	T	0.575	0.072	0.029	1.38E-15	0.005	0.008	0.518	0.017	63.768	TRUE	4.08E-15
PEF	FEZ1	cg19433435	rs2155388	A	G	0.166	0.026	0.284	1.40E-10	0.005	0.003	0.102	0.011	41.143	TRUE	5.70E-10
PEF	FEZ1	cg19792194	rs601034	C	T	-0.455	0.042	0.093	1.05E-27	0.002	0.005	0.745	0.031	118.935	TRUE	5.63E-27
PEF	FEZ1	cg23366166	rs7108311	A	G	-0.172	0.031	0.168	3.16E-08	0.003	0.003	0.430	0.008	30.592	TRUE	6.25E-08
PEF	FEZ2	cg01109574	rs13391939	A	G	0.171	0.025	0.423	3.24E-12	-0.005	0.003	0.038	0.013	48.512	TRUE	2.11E-11
PEF	FEZ2	cg01109574	rs13405239	G	T	-0.313	0.024	0.381	7.22E-39	0.007	0.003	0.007	0.044	169.956	TRUE	2.48E-36
PEF	FEZ2	cg01109574	rs848505	C	T	-0.141	0.026	0.301	3.48E-08	-0.002	0.003	0.405	0.008	30.404	TRUE	6.97E-08
PEF	FEZ2	cg01109574	rs848621	A	G	0.217	0.026	0.318	2.09E-17	-0.004	0.003	0.108	0.019	72.024	TRUE	1.64E-16

PEF	FEZ2	cg01206211	rs10192768	T	C	0.285	0.050	0.166	1.10E-08	-0.001	0.003	0.680	0.009	32.644	TRUE	1.79E-08
PEF	FEZ2	cg01206211	rs115696505	T	G	-0.397	0.066	0.031	1.45E-09	-0.006	0.008	0.438	0.010	36.578	TRUE	3.11E-09
PEF	FEZ2	cg01206211	rs2287104	T	C	-0.708	0.024	0.272	1.17E-191	-0.002	0.003	0.553	0.191	871.580	TRUE	1.21E-175
PEF	FEZ2	cg01206211	rs2372707	T	C	-0.246	0.026	0.294	1.55E-21	0.003	0.003	0.337	0.024	90.800	TRUE	9.69E-21
PEF	FEZ2	cg01206211	rs3770946	A	G	-0.174	0.025	0.335	3.02E-12	0.000	0.003	0.984	0.013	48.648	TRUE	4.58E-12
PEF	FEZ2	cg01206211	rs4670563	G	A	-0.223	0.024	0.350	9.10E-20	0.006	0.003	0.023	0.022	82.752	TRUE	1.56E-18
PEF	FEZ2	cg01206211	rs62136183	G	A	0.439	0.074	0.024	3.29E-09	-0.009	0.008	0.251	0.009	34.985	TRUE	8.66E-09
PEF	FEZ2	cg01206211	rs6733328	A	G	-0.156	0.026	0.313	2.03E-09	0.005	0.003	0.056	0.010	35.924	TRUE	8.58E-09
PEF	FEZ2	cg01206211	rs848548	A	C	0.211	0.026	0.283	3.98E-16	-0.007	0.003	0.015	0.018	66.209	TRUE	5.34E-15
PEF	FEZ2	cg01206211	rs848617	C	G	0.298	0.025	0.313	5.13E-33	-0.005	0.003	0.088	0.037	143.192	TRUE	2.29E-31
PEF	FEZ2	cg04352803	rs848610	T	A	-0.189	0.024	0.371	5.25E-15	0.007	0.003	0.014	0.016	61.131	TRUE	6.51E-14
PEF	FEZ2	cg06634576	rs10192768	T	C	0.425	0.050	0.166	8.80E-18	-0.001	0.003	0.680	0.020	73.725	TRUE	2.47E-17
PEF	FEZ2	cg06634576	rs11124528	C	A	-0.187	0.024	0.411	1.31E-14	0.002	0.003	0.369	0.016	59.339	TRUE	4.36E-14
PEF	FEZ2	cg06634576	rs113399069	C	A	-0.875	0.149	0.016	4.08E-09	-0.006	0.008	0.443	0.009	34.565	TRUE	8.48E-09
PEF	FEZ2	cg06634576	rs114378373	G	A	-0.647	0.056	0.048	2.96E-31	-0.005	0.006	0.427	0.035	135.142	TRUE	3.71E-30
PEF	FEZ2	cg06634576	rs115696505	T	G	0.467	0.066	0.031	1.16E-12	-0.006	0.008	0.438	0.013	50.527	TRUE	3.08E-12
PEF	FEZ2	cg06634576	rs144029257	C	G	-0.764	0.075	0.024	1.83E-24	-0.018	0.007	0.018	0.027	104.140	TRUE	6.36E-23
PEF	FEZ2	cg06634576	rs145219350	G	A	-0.847	0.092	0.017	2.39E-20	0.015	0.010	0.152	0.023	85.392	TRUE	2.10E-19
PEF	FEZ2	cg06634576	rs1465335	A	G	-0.172	0.024	0.423	3.51E-13	-0.001	0.003	0.610	0.014	52.874	TRUE	8.00E-13
PEF	FEZ2	cg06634576	rs2888369	A	T	0.384	0.024	0.339	2.23E-55	0.006	0.003	0.040	0.062	245.589	TRUE	3.10E-52
PEF	FEZ2	cg06634576	rs3770900	G	T	-0.313	0.024	0.416	1.53E-39	-0.005	0.003	0.037	0.045	173.038	TRUE	2.58E-37
PEF	FEZ2	cg06634576	rs4670148	T	C	0.507	0.025	0.317	9.19E-93	-0.002	0.003	0.376	0.101	417.129	TRUE	8.92E-88
PEF	FEZ2	cg06634576	rs4670560	T	C	-0.595	0.027	0.226	1.73E-104	-0.004	0.003	0.183	0.113	470.975	TRUE	5.00E-98
PEF	FEZ2	cg06634576	rs62136186	G	A	0.401	0.072	0.025	1.99E-08	-0.003	0.007	0.682	0.008	31.485	TRUE	3.18E-08
PEF	FEZ2	cg06634576	rs6544015	A	T	-0.527	0.027	0.240	2.77E-84	0.003	0.003	0.333	0.093	378.198	TRUE	6.89E-80
PEF	FEZ2	cg06634576	rs6714112	A	C	-0.287	0.033	0.149	1.01E-18	0.005	0.004	0.186	0.021	78.006	TRUE	6.70E-18
PEF	FEZ2	cg06634576	rs711245	A	G	-0.962	0.021	0.321	<1E-200	-0.008	0.003	0.005	0.367	2148.898	TRUE	<1E-200
PEF	FEZ2	cg06634576	rs711246	G	C	-0.853	0.156	0.010	4.92E-08	-0.006	0.017	0.734	0.008	29.731	TRUE	7.42E-08
PEF	FEZ2	cg06634576	rs72785167	T	C	-0.246	0.044	0.075	2.98E-08	0.003	0.005	0.600	0.008	30.703	TRUE	5.08E-08
PEF	FEZ2	cg06634576	rs72795287	T	C	-0.769	0.092	0.019	4.59E-17	0.003	0.010	0.793	0.019	70.467	TRUE	1.09E-16
PEF	FEZ2	cg06634576	rs76259623	C	T	0.384	0.041	0.080	8.11E-21	-0.006	0.005	0.206	0.023	87.528	TRUE	6.42E-20
PEF	FEZ2	cg06634576	rs848504	T	C	0.157	0.024	0.418	4.28E-11	-0.005	0.003	0.036	0.012	43.457	TRUE	2.46E-10
PEF	FEZ2	cg06634576	rs997602	G	A	-0.436	0.038	0.107	9.02E-30	0.000	0.004	0.983	0.034	128.365	TRUE	4.01E-29
PEF	FEZ2	cg07673538	rs1544655	G	A	0.331	0.027	0.271	5.55E-35	-0.002	0.003	0.553	0.040	152.182	TRUE	7.69E-34
PEF	FEZ2	cg07673538	rs4670153	C	G	-0.203	0.024	0.341	1.01E-16	0.004	0.003	0.186	0.018	68.910	TRUE	5.87E-16
PEF	FEZ2	cg07673538	rs7602835	A	G	-0.147	0.024	0.409	9.61E-10	-0.005	0.003	0.077	0.010	37.382	TRUE	3.81E-09
PEF	FEZ2	cg07673538	rs76525014	A	G	0.391	0.071	0.028	3.84E-08	-0.012	0.009	0.166	0.008	30.211	TRUE	1.06E-07
PEF	FEZ2	cg09467607	rs1017153	G	T	0.291	0.027	0.230	2.67E-26	-0.001	0.003	0.625	0.030	112.513	TRUE	1.51E-25
PEF	FEZ2	cg09467607	rs10191126	G	A	0.144	0.025	0.323	8.52E-09	-0.002	0.003	0.560	0.009	33.135	TRUE	1.55E-08
PEF	FEZ2	cg09467607	rs10490666	T	A	-0.147	0.026	0.306	2.17E-08	0.002	0.003	0.564	0.008	31.317	TRUE	3.87E-08
PEF	FEZ2	cg09467607	rs111453351	A	T	-0.411	0.059	0.037	2.66E-12	-0.001	0.007	0.889	0.013	48.899	TRUE	4.38E-12
PEF	FEZ2	cg09467607	rs111600359	C	T	-0.607	0.025	0.296	2.86E-131	0.000	0.003	0.891	0.138	594.011	TRUE	2.43E-123

PEF	FEZ2	cg09467607	rs11886145	G	C	0.760	0.022	0.329	2.28E-260	-0.006	0.003	0.025	0.243	1187.524	TRUE	9.27E-231
PEF	FEZ2	cg09467607	rs144029257	C	G	0.437	0.075	0.024	6.13E-09	-0.018	0.007	0.018	0.009	33.775	TRUE	3.27E-08
PEF	FEZ2	cg09467607	rs145219350	G	A	0.538	0.092	0.017	4.96E-09	0.015	0.010	0.152	0.009	34.188	TRUE	1.52E-08
PEF	FEZ2	cg09467607	rs17480531	T	G	0.419	0.060	0.041	3.33E-12	-0.005	0.006	0.463	0.013	48.460	TRUE	8.37E-12
PEF	FEZ2	cg09467607	rs1861392	G	A	0.287	0.033	0.149	2.00E-18	0.006	0.004	0.107	0.020	76.646	TRUE	1.72E-17
PEF	FEZ2	cg09467607	rs2110881	C	T	-0.315	0.040	0.102	1.65E-15	-0.004	0.004	0.352	0.017	63.405	TRUE	6.25E-15
PEF	FEZ2	cg09467607	rs2372694	G	A	0.294	0.026	0.299	3.24E-30	0.001	0.003	0.707	0.034	130.398	TRUE	2.20E-29
PEF	FEZ2	cg09467607	rs3732075	A	G	0.202	0.027	0.250	5.83E-14	0.000	0.003	0.935	0.015	56.399	TRUE	9.84E-14
PEF	FEZ2	cg09467607	rs3770946	A	G	-0.283	0.025	0.335	3.82E-30	0.000	0.003	0.984	0.034	130.070	TRUE	1.77E-29
PEF	FEZ2	cg09467607	rs75597083	A	G	0.363	0.043	0.082	4.17E-17	-0.003	0.004	0.455	0.019	70.657	TRUE	1.50E-16
PEF	FEZ2	cg09467607	rs79688789	C	G	0.821	0.095	0.015	4.93E-18	-0.023	0.009	0.011	0.020	74.870	TRUE	9.13E-17
PEF	FEZ2	cg09467607	rs848548	A	C	0.343	0.026	0.283	1.09E-40	-0.007	0.003	0.015	0.046	178.290	TRUE	3.24E-38
PEF	FEZ2	cg09467607	rs882842	C	A	0.425	0.070	0.030	1.35E-09	-0.011	0.008	0.175	0.010	36.721	TRUE	4.15E-09
PEF	FEZ2	cg09467607	rs884216	T	A	-0.445	0.029	0.215	2.08E-54	0.000	0.003	0.904	0.061	241.135	TRUE	1.26E-52
PEF	FEZ2	cg09467607	rs997602	G	A	0.243	0.039	0.107	3.52E-10	0.000	0.004	0.983	0.011	39.341	TRUE	4.83E-10
PEF	FEZ2	cg10546459	rs10084382	T	C	0.307	0.026	0.312	2.81E-33	0.009	0.003	9.31E-04	0.038	144.387	TRUE	8.79E-31
PEF	FEZ2	cg10546459	rs10191126	G	A	0.284	0.025	0.323	3.05E-30	-0.002	0.003	0.560	0.034	130.518	TRUE	2.73E-29
PEF	FEZ2	cg10546459	rs10490666	T	A	-0.376	0.026	0.306	7.23E-48	0.002	0.003	0.564	0.054	211.163	TRUE	4.04E-46
PEF	FEZ2	cg10546459	rs11124524	G	C	-0.689	0.120	0.025	9.75E-09	-0.009	0.008	0.254	0.009	32.873	TRUE	2.45E-08
PEF	FEZ2	cg10546459	rs112164165	G	T	0.513	0.092	0.018	2.66E-08	-0.027	0.009	0.004	0.008	30.924	TRUE	1.76E-07
PEF	FEZ2	cg10546459	rs114882057	G	A	-0.488	0.079	0.022	7.42E-10	-0.014	0.008	0.073	0.010	37.885	TRUE	3.08E-09
PEF	FEZ2	cg10546459	rs115545989	T	G	0.528	0.032	0.153	2.41E-59	-0.003	0.004	0.481	0.067	263.770	TRUE	7.09E-57
PEF	FEZ2	cg10546459	rs115696505	T	G	-0.656	0.065	0.031	9.73E-24	-0.006	0.008	0.438	0.027	100.833	TRUE	6.05E-23
PEF	FEZ2	cg10546459	rs11678226	C	T	-0.916	0.021	0.303	<1E-200	-0.001	0.003	0.850	0.340	1905.014	TRUE	<1E-200
PEF	FEZ2	cg10546459	rs13417363	A	G	0.162	0.030	0.187	3.84E-08	-0.004	0.003	0.229	0.008	30.212	TRUE	9.45E-08
PEF	FEZ2	cg10546459	rs149357154	A	T	-0.674	0.060	0.039	3.55E-29	-0.006	0.007	0.417	0.033	125.648	TRUE	3.72E-28
PEF	FEZ2	cg10546459	rs17479952	A	G	0.438	0.078	0.022	1.95E-08	-0.008	0.008	0.334	0.008	31.529	TRUE	4.31E-08
PEF	FEZ2	cg10546459	rs2372707	T	C	-0.344	0.026	0.294	8.39E-41	0.003	0.003	0.337	0.046	178.812	TRUE	3.51E-39
PEF	FEZ2	cg10546459	rs3770929	A	G	0.328	0.024	0.409	1.17E-43	0.001	0.003	0.830	0.049	191.894	TRUE	2.29E-42
PEF	FEZ2	cg10546459	rs4670563	G	A	-0.307	0.024	0.350	3.10E-36	0.006	0.003	0.023	0.041	157.910	TRUE	3.89E-34
PEF	FEZ2	cg10546459	rs62136186	G	A	0.462	0.071	0.025	1.01E-10	-0.003	0.007	0.682	0.011	41.787	TRUE	1.83E-10
PEF	FEZ2	cg10546459	rs6710384	C	A	0.317	0.034	0.136	1.22E-20	0.006	0.004	0.104	0.023	86.715	TRUE	1.36E-19
PEF	FEZ2	cg10546459	rs68111809	C	T	-0.536	0.081	0.019	4.57E-11	0.014	0.009	0.133	0.012	43.329	TRUE	1.77E-10
PEF	FEZ2	cg10546459	rs711250	C	G	0.274	0.032	0.156	1.54E-17	-0.004	0.004	0.235	0.019	72.619	TRUE	8.45E-17
PEF	FEZ2	cg10546459	rs72787263	A	C	-0.402	0.042	0.088	6.48E-22	-0.006	0.005	0.167	0.024	92.527	TRUE	6.27E-21
PEF	FEZ2	cg10546459	rs76259623	C	T	-0.482	0.041	0.080	4.99E-32	-0.006	0.005	0.206	0.036	138.676	TRUE	1.19E-30
PEF	FEZ2	cg10546459	rs848505	C	T	0.303	0.026	0.301	1.67E-32	-0.002	0.003	0.405	0.037	140.846	TRUE	2.43E-31
PEF	FEZ2	cg10546459	rs848555	T	G	0.275	0.026	0.266	1.57E-25	-0.006	0.003	0.047	0.029	109.002	TRUE	4.03E-24
PEF	FEZ2	cg10546459	rs882842	C	A	0.443	0.070	0.030	2.67E-10	-0.011	0.008	0.175	0.011	39.880	TRUE	8.74E-10
PEF	FEZ2	cg11324054	rs13013664	A	C	0.218	0.025	0.323	1.70E-18	-0.006	0.003	0.028	0.020	76.968	TRUE	2.45E-17
PEF	FEZ2	cg11324054	rs2270333	C	G	-0.162	0.025	0.349	5.04E-11	-0.003	0.003	0.288	0.012	43.138	TRUE	1.43E-10
PEF	FEZ2	cg15105969	rs10191126	G	A	0.271	0.025	0.323	1.16E-27	-0.002	0.003	0.560	0.031	118.733	TRUE	8.29E-27

PEF	FEZ2	cg15105969	rs10192768	T	C	0.334	0.050	0.166	2.04E-11	-0.001	0.003	0.680	0.012	44.908	TRUE	3.87E-11
PEF	FEZ2	cg15105969	rs10490666	T	A	-0.327	0.026	0.306	2.40E-36	0.002	0.003	0.564	0.041	158.420	TRUE	3.83E-35
PEF	FEZ2	cg15105969	rs11124524	G	C	-0.777	0.120	0.025	9.61E-11	-0.009	0.008	0.254	0.011	41.877	TRUE	2.85E-10
PEF	FEZ2	cg15105969	rs115696505	T	G	-0.636	0.065	0.031	2.23E-22	-0.006	0.008	0.438	0.025	94.638	TRUE	1.24E-21
PEF	FEZ2	cg15105969	rs11678226	C	T	-0.864	0.023	0.303	<1E-200	-0.001	0.003	0.850	0.283	1462.909	TRUE	6.97E-282
PEF	FEZ2	cg15105969	rs13417363	A	G	0.178	0.030	0.187	1.51E-09	-0.004	0.003	0.229	0.010	36.505	TRUE	4.18E-09
PEF	FEZ2	cg15105969	rs144029257	C	G	0.560	0.075	0.024	9.20E-14	-0.018	0.007	0.018	0.015	55.501	TRUE	8.93E-13
PEF	FEZ2	cg15105969	rs17479952	A	G	0.452	0.078	0.022	6.47E-09	-0.008	0.008	0.334	0.009	33.669	TRUE	1.49E-08
PEF	FEZ2	cg15105969	rs2372707	T	C	-0.345	0.026	0.294	5.46E-41	0.003	0.003	0.337	0.046	179.665	TRUE	2.34E-39
PEF	FEZ2	cg15105969	rs3770929	A	G	0.309	0.024	0.409	4.47E-39	0.001	0.003	0.830	0.044	170.912	TRUE	5.52E-38
PEF	FEZ2	cg15105969	rs4553805	G	C	-0.649	0.061	0.038	1.87E-26	-0.006	0.007	0.413	0.030	113.223	TRUE	1.53E-25
PEF	FEZ2	cg15105969	rs4670563	G	A	-0.335	0.024	0.350	7.02E-43	0.006	0.003	0.023	0.048	188.322	TRUE	2.13E-40
PEF	FEZ2	cg15105969	rs60512518	G	A	0.142	0.026	0.306	3.34E-08	0.001	0.003	0.695	0.008	30.480	TRUE	5.24E-08
PEF	FEZ2	cg15105969	rs62134623	G	A	-0.316	0.045	0.072	2.50E-12	-0.004	0.005	0.431	0.013	49.023	TRUE	6.57E-12
PEF	FEZ2	cg15105969	rs62136179	G	A	-0.622	0.105	0.010	3.52E-09	-0.011	0.012	0.354	0.009	34.856	TRUE	8.04E-09
PEF	FEZ2	cg15105969	rs62136186	G	A	0.397	0.072	0.025	2.81E-08	-0.003	0.007	0.682	0.008	30.819	TRUE	4.45E-08
PEF	FEZ2	cg15105969	rs6716934	T	A	0.361	0.032	0.150	5.57E-29	0.005	0.004	0.198	0.033	124.754	TRUE	9.64E-28
PEF	FEZ2	cg15105969	rs711245	A	G	0.441	0.025	0.321	7.81E-69	-0.008	0.003	0.005	0.077	307.294	TRUE	3.46E-64
PEF	FEZ2	cg15105969	rs711250	C	G	0.264	0.032	0.156	2.04E-16	-0.004	0.004	0.235	0.018	67.523	TRUE	1.02E-15
PEF	FEZ2	cg15105969	rs72787263	A	C	-0.322	0.042	0.088	1.65E-14	-0.006	0.005	0.167	0.016	58.882	TRUE	8.04E-14
PEF	FEZ2	cg15105969	rs72789216	T	A	-0.499	0.082	0.019	9.41E-10	0.014	0.009	0.138	0.010	37.423	TRUE	3.20E-09
PEF	FEZ2	cg15105969	rs76259623	C	T	-0.482	0.041	0.080	5.36E-32	-0.006	0.005	0.206	0.036	138.534	TRUE	1.28E-30
PEF	FEZ2	cg15105969	rs848505	C	T	0.260	0.026	0.301	3.13E-24	-0.002	0.003	0.405	0.027	103.081	TRUE	2.13E-23
PEF	FEZ2	cg15105969	rs848555	T	G	0.304	0.026	0.266	6.97E-31	-0.006	0.003	0.047	0.035	133.445	TRUE	3.30E-29
PEF	FEZ2	cg15105969	rs997602	G	A	0.269	0.039	0.107	3.46E-12	0.000	0.004	0.983	0.013	48.381	TRUE	5.19E-12
PEF	FEZ2	cg24860371	rs11693359	T	C	-0.191	0.025	0.359	7.69E-15	0.007	0.003	0.008	0.016	60.380	TRUE	1.09E-13
PEF	FGF10	cg16536718	rs969520	T	G	0.216	0.029	0.188	5.54E-14	0.009	0.003	0.005	0.015	56.497	TRUE	7.63E-13
PEF	FGFR3	cg00077738	rs114803756	C	G	-0.772	0.070	0.030	2.62E-28	0.004	0.007	0.577	0.032	121.686	TRUE	1.91E-27
PEF	FGFR3	cg00077738	rs115117761	G	C	-0.445	0.046	0.071	4.05E-22	0.007	0.005	0.156	0.025	93.458	TRUE	4.11E-21
PEF	FGFR3	cg00077738	rs115353075	T	C	-0.723	0.125	0.015	6.43E-09	0.031	0.011	0.006	0.009	33.680	TRUE	4.21E-08
PEF	FGFR3	cg00077738	rs1894425	G	A	-0.296	0.027	0.229	1.68E-27	-0.003	0.003	0.332	0.031	117.996	TRUE	1.86E-26
PEF	FGFR3	cg00077738	rs28681468	T	C	-1.046	0.064	0.033	1.77E-59	0.011	0.007	0.130	0.067	264.381	TRUE	2.00E-56
PEF	FGFR3	cg00077738	rs4315860	T	G	0.138	0.023	0.476	3.33E-09	-0.002	0.003	0.489	0.009	34.964	TRUE	6.73E-09
PEF	FGFR3	cg00077738	rs75608146	T	C	-0.664	0.099	0.013	2.07E-11	0.002	0.010	0.876	0.012	44.877	TRUE	3.29E-11
PEF	FGFR3	cg00077738	rs77914314	T	C	-0.465	0.049	0.146	3.10E-21	0.005	0.004	0.190	0.024	89.430	TRUE	2.60E-20
PEF	FGFR3	cg03874978	rs68036491	C	G	-0.183	0.031	0.163	2.83E-09	0.009	0.003	0.010	0.009	35.279	TRUE	1.81E-08
PEF	FGFR3	cg07360076	rs58012990	A	G	-0.269	0.029	0.194	3.36E-20	0.005	0.003	0.091	0.022	84.722	TRUE	3.69E-19
PEF	FGFR3	cg24979233	rs3135865	T	C	-0.814	0.136	0.017	2.36E-09	0.026	0.009	0.005	0.010	35.630	TRUE	1.72E-08
PEF	FGR	cg00065048	rs112861813	G	A	0.725	0.050	0.059	9.19E-48	0.005	0.005	0.355	0.054	210.686	TRUE	8.25E-46
PEF	FGR	cg00065048	rs28906069	G	A	0.498	0.080	0.038	5.15E-10	0.008	0.006	0.233	0.010	38.600	TRUE	1.51E-09
PEF	FGR	cg00065048	rs34341922	G	A	0.135	0.024	0.373	3.33E-08	0.001	0.003	0.698	0.008	30.491	TRUE	5.19E-08
PEF	FGR	cg00404394	rs11247639	A	G	0.144	0.026	0.299	3.64E-08	0.005	0.003	0.049	0.008	30.317	TRUE	1.36E-07

PEF	FGR	cg00404394	rs112861813	G	A	1.038	0.049	0.059	4.20E-99	0.005	0.005	0.355	0.108	446.244	TRUE	1.64E-93
PEF	FGR	cg00404394	rs17340482	C	G	0.326	0.045	0.079	5.50E-13	0.001	0.004	0.853	0.014	51.988	TRUE	9.73E-13
PEF	FGR	cg00404394	rs28906069	G	A	0.732	0.080	0.038	3.99E-20	0.008	0.006	0.233	0.022	84.381	TRUE	2.78E-19
PEF	FGR	cg00404394	rs75443844	T	C	0.604	0.095	0.016	1.83E-10	0.001	0.011	0.934	0.011	40.619	TRUE	2.64E-10
PEF	FGR	cg00404394	rs7556668	G	A	0.262	0.039	0.102	2.10E-11	-0.003	0.004	0.540	0.012	44.851	TRUE	4.57E-11
PEF	FGR	cg06827976	rs17162676	G	A	0.670	0.105	0.014	1.58E-10	0.015	0.010	0.131	0.011	40.910	TRUE	5.88E-10
PEF	FGR	cg08885657	rs34806307	T	C	0.711	0.042	0.075	2.51E-64	0.010	0.005	0.038	0.072	286.615	TRUE	1.56E-60
PEF	FGR	cg09845000	rs112861813	G	A	0.854	0.050	0.059	3.00E-66	0.005	0.005	0.355	0.074	295.433	TRUE	3.43E-63
PEF	FGR	cg09845000	rs28906069	G	A	0.622	0.080	0.038	7.18E-15	0.008	0.006	0.233	0.016	60.515	TRUE	3.17E-14
PEF	FGR	cg11587640	rs112861813	G	A	0.437	0.050	0.059	4.65E-18	0.005	0.005	0.355	0.020	74.982	TRUE	2.10E-17
PEF	FGR	cg22402398	rs12726763	G	A	-0.333	0.045	0.071	1.33E-13	0.007	0.005	0.153	0.015	54.777	TRUE	6.17E-13
PEF	FGR	cg22402398	rs17162676	G	A	-2.119	0.102	0.014	1.07E-96	0.015	0.010	0.131	0.105	435.201	TRUE	8.81E-91
PEF	FHIT	cg01556706	rs73092688	C	T	0.281	0.038	0.113	1.56E-13	0.004	0.004	0.335	0.015	54.463	TRUE	5.05E-13
PEF	FHIT	cg03060986	rs12498046	G	T	-0.177	0.024	0.458	4.76E-14	-0.001	0.003	0.756	0.015	56.795	TRUE	9.83E-14
PEF	FHIT	cg03319184	rs6808129	G	C	0.306	0.026	0.264	3.86E-32	0.000	0.003	0.996	0.036	139.185	TRUE	2.02E-31
PEF	FHIT	cg05645292	rs1683354	G	A	0.282	0.030	0.207	6.67E-21	0.006	0.003	0.055	0.023	87.915	TRUE	9.97E-20
PEF	FHIT	cg05645292	rs56102180	T	C	0.983	0.083	0.021	1.38E-32	-0.010	0.008	0.260	0.037	141.231	TRUE	2.94E-31
PEF	FHIT	cg05645292	rs6803290	T	C	-0.136	0.024	0.434	1.07E-08	-0.003	0.003	0.325	0.009	32.701	TRUE	2.40E-08
PEF	FHIT	cg05645292	rs812965	T	C	0.196	0.030	0.195	3.37E-11	0.003	0.003	0.297	0.012	43.923	TRUE	9.66E-11
PEF	FHIT	cg08195983	rs143323240	T	C	0.497	0.058	0.041	7.27E-18	-0.014	0.006	0.029	0.020	74.101	TRUE	9.77E-17
PEF	FHIT	cg08195983	rs9843007	T	A	0.157	0.024	0.360	7.95E-11	-0.004	0.003	0.142	0.011	42.247	TRUE	2.94E-10
PEF	FHIT	cg08223225	rs111725731	C	G	0.395	0.039	0.098	1.74E-24	-0.002	0.004	0.670	0.027	104.245	TRUE	7.92E-24
PEF	FHIT	cg08223225	rs11920478	G	C	0.189	0.031	0.191	7.01E-10	-0.001	0.003	0.730	0.010	37.997	TRUE	1.16E-09
PEF	FHIT	cg08223225	rs13066622	C	T	-0.272	0.028	0.227	3.33E-22	0.006	0.003	0.035	0.025	93.842	TRUE	6.51E-21
PEF	FHIT	cg14147855	rs6446175	T	C	-0.343	0.028	0.219	2.72E-34	0.001	0.003	0.641	0.039	149.027	TRUE	2.98E-33
PEF	FHIT	cg14147855	rs9879276	A	G	-0.353	0.025	0.312	7.78E-45	0.004	0.003	0.184	0.051	197.275	TRUE	8.65E-43
PEF	FHIT	cg16140565	rs115318229	T	C	0.468	0.080	0.020	4.55E-09	0.010	0.009	0.262	0.009	34.355	TRUE	1.17E-08
PEF	FHIT	cg16140565	rs115524555	C	T	-0.505	0.024	0.364	4.81E-100	0.001	0.003	0.662	0.109	450.566	TRUE	8.49E-95
PEF	FHIT	cg16140565	rs13099360	G	A	0.561	0.059	0.048	1.46E-21	-0.005	0.007	0.493	0.024	90.917	TRUE	6.98E-21
PEF	FHIT	cg16140565	rs151743	T	C	-0.197	0.033	0.430	1.44E-09	-0.001	0.003	0.837	0.010	36.596	TRUE	2.17E-09
PEF	FHIT	cg16140565	rs17063095	C	A	0.645	0.038	0.111	8.47E-66	0.002	0.004	0.614	0.073	293.369	TRUE	4.34E-63
PEF	FHIT	cg16140565	rs242201	G	A	-0.381	0.040	0.090	3.12E-21	-0.001	0.005	0.854	0.024	89.417	TRUE	8.99E-21
PEF	FHIT	cg16140565	rs242213	C	G	0.463	0.040	0.091	3.63E-31	-0.002	0.004	0.585	0.035	134.740	TRUE	3.34E-30
PEF	FHIT	cg16140565	rs242219	T	C	-0.349	0.034	0.481	1.74E-24	-0.003	0.003	0.294	0.027	104.243	TRUE	1.57E-23
PEF	FHIT	cg16140565	rs2736824	T	C	0.431	0.074	0.060	5.79E-09	0.004	0.005	0.440	0.009	33.886	TRUE	1.19E-08
PEF	FHIT	cg16140565	rs409484	G	A	1.029	0.022	0.498	<1E-200	0.000	0.003	1.000	0.362	2099.301	TRUE	<1E-200
PEF	FHIT	cg16140565	rs423336	T	G	0.590	0.039	0.099	2.69E-52	-0.001	0.004	0.819	0.059	231.458	TRUE	1.45E-50
PEF	FHIT	cg16140565	rs6795869	G	A	0.508	0.046	0.067	2.59E-28	0.002	0.005	0.682	0.032	121.704	TRUE	1.60E-27
PEF	FHIT	cg16140565	rs77800664	C	T	0.532	0.084	0.037	2.34E-10	-0.002	0.008	0.818	0.011	40.139	TRUE	3.70E-10
PEF	FHIT	cg16140565	rs965033	C	T	0.176	0.032	0.379	3.98E-08	-0.003	0.003	0.232	0.008	30.144	TRUE	9.80E-08
PEF	FHIT	cg16140565	rs9849856	G	A	0.158	0.024	0.494	3.16E-11	0.000	0.003	0.908	0.012	44.049	TRUE	4.85E-11
PEF	FHIT	cg16806041	rs1038516	G	A	0.200	0.031	0.172	6.81E-11	0.007	0.003	0.051	0.011	42.550	TRUE	3.56E-10

PEF	FHIT	cg16806041	rs78179214	G	A	0.693	0.088	0.017	3.46E-15	-0.005	0.010	0.623	0.016	61.953	TRUE	8.76E-15
PEF	FHIT	cg17087356	rs481165	G	C	0.594	0.035	0.130	1.05E-64	0.004	0.004	0.254	0.072	288.348	TRUE	1.42E-61
PEF	FHIT	cg17087356	rs6801469	T	G	0.162	0.028	0.241	4.75E-09	0.003	0.003	0.294	0.009	34.270	TRUE	1.15E-08
PEF	FHIT	cg17573813	rs11712250	G	A	0.342	0.047	0.143	2.57E-13	-0.005	0.004	0.242	0.014	53.480	TRUE	9.54E-13
PEF	FHIT	cg17573813	rs199743650	T	C	0.403	0.033	0.146	6.59E-35	-0.005	0.004	0.187	0.039	151.839	TRUE	2.26E-33
PEF	FHIT	cg17573813	rs59166923	T	C	-0.338	0.034	0.140	1.13E-23	-0.004	0.004	0.317	0.026	100.530	TRUE	8.85E-23
PEF	FHIT	cg17573813	rs60695685	C	T	1.094	0.072	0.024	1.23E-52	-0.024	0.008	0.003	0.059	233.018	TRUE	5.14E-49
PEF	FHIT	cg17573813	rs6445195	G	A	0.215	0.028	0.221	1.85E-14	-0.006	0.003	0.041	0.016	58.651	TRUE	1.50E-13
PEF	FHIT	cg17573813	rs7374200	G	C	0.490	0.059	0.045	1.33E-16	0.016	0.007	0.022	0.018	68.372	TRUE	1.70E-15
PEF	FHIT	cg17573813	rs7609667	T	G	0.184	0.026	0.303	1.84E-12	-0.005	0.003	0.057	0.013	49.622	TRUE	1.08E-11
PEF	FHIT	cg17573813	rs9839707	T	C	1.764	0.049	0.048	1.92E-282	-0.009	0.006	0.130	0.258	1289.038	TRUE	1.08E-249
PEF	FHIT	cg20366397	rs13093788	C	G	-0.159	0.023	0.416	1.17E-11	-0.001	0.003	0.797	0.012	45.997	TRUE	2.03E-11
PEF	FHIT	cg21541638	rs13099397	C	A	-0.142	0.024	0.496	2.43E-09	0.002	0.003	0.361	0.010	35.572	TRUE	5.62E-09
PEF	FHIT	cg21541638	rs17064628	A	T	0.470	0.059	0.039	1.23E-15	-0.014	0.006	0.029	0.017	63.990	TRUE	1.28E-14
PEF	FHIT	cg23222057	rs1905864	G	A	-0.149	0.025	0.330	4.17E-09	-0.003	0.003	0.241	0.009	34.522	TRUE	1.11E-08
PEF	FHIT	cg24504954	rs1851784	C	T	-0.323	0.053	0.047	1.38E-09	-0.010	0.006	0.102	0.010	36.674	TRUE	5.08E-09
PEF	FHIT	cg25736251	rs1125285	A	G	0.225	0.031	0.167	1.55E-13	-0.002	0.003	0.519	0.015	54.479	TRUE	3.95E-13
PEF	FHIT	cg25921543	rs212032	A	G	0.176	0.024	0.442	1.21E-13	0.002	0.003	0.355	0.015	54.967	TRUE	3.85E-13
PEF	FHIT	cg27254860	rs17254574	A	G	-0.250	0.036	0.120	3.89E-12	0.003	0.004	0.404	0.013	48.156	TRUE	1.05E-11
PEF	FLNB	cg03479209	rs7642772	C	A	-0.266	0.025	0.333	4.61E-26	-0.011	0.003	2.48E-05	0.029	111.434	TRUE	1.42E-23
PEF	FLNB	cg05093811	rs113935966	C	T	-0.523	0.052	0.062	4.09E-24	0.004	0.005	0.386	0.027	102.552	TRUE	2.88E-23
PEF	FLNB	cg05093811	rs114342439	G	C	-0.436	0.044	0.071	1.69E-23	0.014	0.005	0.001	0.026	99.739	TRUE	1.19E-21
PEF	FLNB	cg05093811	rs190226890	C	G	-0.431	0.051	0.057	2.61E-17	0.007	0.006	0.243	0.019	71.583	TRUE	1.36E-16
PEF	FLNB	cg05093811	rs2686632	C	T	0.392	0.042	0.084	1.23E-20	-0.010	0.005	0.037	0.023	86.709	TRUE	2.05E-19
PEF	FLNB	cg05093811	rs34005214	T	C	-0.272	0.026	0.286	2.12E-26	0.007	0.003	0.012	0.030	112.977	TRUE	1.10E-24
PEF	FLNB	cg05093811	rs4681688	G	A	-0.161	0.026	0.290	4.41E-10	0.006	0.003	0.032	0.010	38.901	TRUE	2.40E-09
PEF	FLNB	cg05093811	rs62259291	C	A	0.358	0.047	0.066	1.81E-14	-0.012	0.005	0.024	0.016	58.695	TRUE	1.74E-13
PEF	FLNB	cg05093811	rs6764532	G	A	0.138	0.024	0.452	4.37E-09	0.004	0.003	0.160	0.009	34.432	TRUE	1.36E-08
PEF	FLNB	cg05093811	rs73074072	A	G	-0.505	0.043	0.086	2.96E-32	0.003	0.005	0.569	0.036	139.712	TRUE	3.08E-31
PEF	FLNB	cg05093811	rs73089799	A	G	-0.248	0.036	0.123	6.28E-12	-0.010	0.004	0.013	0.013	47.214	TRUE	5.36E-11
PEF	FLNB	cg05093811	rs7634753	T	C	-0.347	0.023	0.408	6.02E-50	0.004	0.003	0.123	0.056	220.691	TRUE	1.79E-47
PEF	FLNB	cg05093811	rs80126200	C	T	-0.644	0.080	0.023	9.71E-16	-0.005	0.008	0.509	0.017	64.454	TRUE	2.94E-15
PEF	FLNB	cg05093811	rs839223	G	A	0.334	0.055	0.102	1.09E-09	-0.004	0.004	0.387	0.010	37.130	TRUE	2.49E-09
PEF	FLNB	cg05093811	rs9822918	T	G	-0.778	0.021	0.466	<1E-200	0.008	0.003	0.003	0.279	1431.252	TRUE	5.67E-272
PEF	FLNB	cg07624888	rs11130633	T	C	0.207	0.024	0.351	1.31E-17	0.001	0.003	0.748	0.019	72.933	TRUE	3.41E-17
PEF	FLNB	cg07624888	rs12634542	G	C	0.226	0.028	0.221	2.64E-16	0.009	0.003	0.005	0.018	67.022	TRUE	4.93E-15
PEF	FLNB	cg07624888	rs13067161	A	T	0.306	0.056	0.051	3.98E-08	0.003	0.006	0.587	0.008	30.142	TRUE	6.81E-08
PEF	FLNB	cg07624888	rs3852008	A	G	0.220	0.024	0.347	1.78E-19	0.006	0.003	0.016	0.022	81.424	TRUE	3.68E-18
PEF	FLNB	cg07624888	rs4681770	G	A	0.131	0.024	0.424	3.42E-08	-0.003	0.003	0.217	0.008	30.435	TRUE	8.67E-08
PEF	FLNB	cg07624888	rs4681795	T	C	-0.460	0.024	0.342	6.80E-84	-0.006	0.003	0.024	0.092	376.410	TRUE	1.98E-78
PEF	FLNB	cg12194336	rs2686630	C	G	-0.209	0.024	0.371	1.09E-17	0.005	0.003	0.051	0.019	73.304	TRUE	1.18E-16
PEF	FLNB	cg12194336	rs78053301	T	G	0.327	0.042	0.085	8.29E-15	-0.014	0.005	0.002	0.016	60.232	TRUE	1.58E-13

PEF	FLNB	cg12194336	rs9856522	A	G	0.629	0.042	0.082	5.09E-51	0.000	0.005	0.979	0.057	225.608	TRUE	1.74E-49
PEF	FLNB	cg13142374	rs115550324	C	T	0.762	0.083	0.020	3.85E-20	-0.003	0.010	0.750	0.022	84.448	TRUE	1.16E-19
PEF	FLNB	cg13142374	rs13062947	T	C	-0.217	0.025	0.345	2.05E-18	0.006	0.003	0.019	0.020	76.601	TRUE	3.22E-17
PEF	FLNB	cg13142374	rs146146338	T	G	0.812	0.143	0.011	1.48E-08	-0.024	0.014	0.091	0.009	32.066	TRUE	5.07E-08
PEF	FLNB	cg13142374	rs1658335	A	G	0.916	0.040	0.090	7.68E-116	0.002	0.004	0.642	0.124	523.124	TRUE	3.97E-109
PEF	FLNB	cg13142374	rs2033741	A	G	0.371	0.064	0.034	5.69E-09	0.009	0.008	0.243	0.009	33.919	TRUE	1.48E-08
PEF	FLNB	cg13142374	rs4681795	T	C	0.161	0.025	0.342	7.82E-11	-0.006	0.003	0.024	0.011	42.279	TRUE	4.94E-10
PEF	FLNB	cg13142374	rs73080588	C	T	0.211	0.032	0.176	4.50E-11	-0.004	0.003	0.272	0.012	43.359	TRUE	1.33E-10
PEF	FLNB	cg13142374	rs74284373	T	G	0.208	0.028	0.246	4.19E-14	0.007	0.003	0.023	0.015	57.045	TRUE	4.03E-13
PEF	FLNB	cg13142374	rs9845458	T	C	0.248	0.036	0.128	4.01E-12	0.007	0.004	0.094	0.013	48.092	TRUE	1.97E-11
PEF	FLNB	cg17338821	rs113935966	C	T	-0.323	0.052	0.062	4.89E-10	0.004	0.005	0.386	0.010	38.700	TRUE	1.15E-09
PEF	FLNB	cg17338821	rs11713310	G	A	0.258	0.024	0.389	5.70E-27	0.001	0.003	0.821	0.030	115.579	TRUE	2.58E-26
PEF	FLNB	cg17338821	rs11927339	T	C	-0.268	0.024	0.407	6.08E-30	0.004	0.003	0.120	0.034	129.148	TRUE	1.58E-28
PEF	FLNB	cg17338821	rs12494328	A	G	-0.201	0.028	0.227	3.25E-13	0.012	0.003	1.13E-04	0.014	53.024	TRUE	8.68E-12
PEF	FLNB	cg17338821	rs12634542	G	C	-0.209	0.028	0.221	1.09E-13	0.009	0.003	0.005	0.015	55.164	TRUE	1.45E-12
PEF	FLNB	cg17338821	rs2686632	C	T	0.417	0.042	0.084	4.02E-23	-0.010	0.005	0.037	0.026	98.027	TRUE	8.89E-22
PEF	FLNB	cg17338821	rs3772998	T	C	0.392	0.038	0.106	5.04E-25	0.003	0.004	0.466	0.028	106.697	TRUE	3.39E-24
PEF	FLNB	cg17338821	rs4681753	C	G	0.215	0.025	0.365	2.18E-18	-0.010	0.003	1.74E-04	0.020	76.475	TRUE	1.24E-16
PEF	FLNB	cg17338821	rs58809835	A	G	0.385	0.047	0.070	3.84E-16	0.005	0.005	0.315	0.018	66.279	TRUE	1.59E-15
PEF	FLNB	cg17338821	rs6445944	G	T	0.482	0.023	0.415	7.38E-95	-0.006	0.003	0.015	0.103	426.751	TRUE	2.72E-88
PEF	FLNB	cg17338821	rs74659619	A	G	0.330	0.044	0.076	6.93E-14	-0.017	0.005	2.20E-04	0.015	56.058	TRUE	1.85E-12
PEF	FLNB	cg17338821	rs78583099	C	A	-0.274	0.029	0.204	2.05E-21	-0.002	0.003	0.454	0.024	90.252	TRUE	1.02E-20
PEF	FLNB	cg20724428	rs858217	T	C	-0.416	0.072	0.027	8.17E-09	0.015	0.008	0.060	0.009	33.215	TRUE	3.19E-08
PEF	FLNB	cg20840069	rs113299433	A	C	0.233	0.040	0.093	4.71E-09	-0.011	0.005	0.017	0.009	34.289	TRUE	2.55E-08
PEF	FLNB	cg20840069	rs9870243	G	C	0.237	0.025	0.332	2.57E-21	0.000	0.003	0.882	0.024	89.798	TRUE	7.15E-21
PEF	FLNB	cg22610388	rs1658346	A	G	0.247	0.040	0.099	4.30E-10	0.005	0.004	0.248	0.010	38.952	TRUE	1.23E-09
PEF	FLNB	cg22610388	rs556272001	C	A	-0.802	0.140	0.011	1.03E-08	0.055	0.027	0.047	0.009	32.761	TRUE	4.30E-08
PEF	FLNB	cg22610388	rs9850519	C	G	-0.138	0.025	0.349	1.96E-08	0.006	0.003	0.020	0.008	31.519	TRUE	9.33E-08
PEF	FLNB	cg23730027	rs11713310	G	A	0.162	0.024	0.389	1.77E-11	0.001	0.003	0.821	0.012	45.181	TRUE	2.97E-11
PEF	FLNB	cg23730027	rs1658366	C	T	-0.145	0.026	0.293	1.46E-08	0.013	0.003	3.36E-06	0.009	32.092	TRUE	2.58E-07
PEF	FLNB	cg23730027	rs3772998	T	C	0.292	0.038	0.106	1.61E-14	0.003	0.004	0.466	0.016	58.924	TRUE	4.79E-14
PEF	FLNB	cg23730027	rs6445944	G	T	0.302	0.024	0.415	3.23E-37	-0.006	0.003	0.015	0.042	162.403	TRUE	5.95E-35
PEF	FLNB	cg23730027	rs78053301	T	G	0.262	0.042	0.085	5.03E-10	-0.014	0.005	0.002	0.010	38.645	TRUE	4.79E-09
PEF	FLNB	cg23730027	rs839228	T	C	-0.172	0.024	0.377	9.94E-13	0.002	0.003	0.471	0.014	50.828	TRUE	2.57E-12
PEF	FLNB	cg26295272	rs4284952	A	C	0.169	0.026	0.293	5.16E-11	-0.008	0.003	0.004	0.012	43.094	TRUE	4.89E-10
PEF	FLNB	cg26295272	rs839225	T	C	-0.440	0.037	0.115	2.58E-33	0.003	0.004	0.533	0.038	144.561	TRUE	3.19E-32
PEF	FLNB	cg26295272	rs839257	T	C	0.188	0.025	0.319	7.71E-14	-0.011	0.003	2.12E-05	0.015	55.848	TRUE	2.97E-12
PEF	FNIP2	cg00245454	rs17285611	T	C	0.428	0.059	0.070	6.51E-13	0.008	0.005	0.099	0.014	51.658	TRUE	3.37E-12
PEF	FNIP2	cg05539369	rs13123982	A	G	0.133	0.024	0.382	2.83E-08	-0.008	0.003	0.001	0.008	30.806	TRUE	2.17E-07
PEF	FNIP2	cg05615763	rs34033556	C	G	0.293	0.024	0.370	6.63E-34	-0.008	0.003	0.002	0.038	147.254	TRUE	1.83E-31
PEF	FNIP2	cg13702235	rs2347518	A	G	0.251	0.024	0.429	1.45E-26	-0.006	0.003	0.011	0.030	113.726	TRUE	7.90E-25
PEF	FNIP2	cg18095824	rs74931360	T	C	-0.713	0.053	0.081	9.81E-41	0.008	0.005	0.080	0.046	178.501	TRUE	1.16E-38

PEF	FNIP2	cg18095824	rs79579360	A	C	-0.240	0.042	0.078	9.79E-09	0.003	0.005	0.449	0.009	32.865	TRUE	1.96E-08
PEF	FNIP2	cg25026700	rs12509657	T	C	-0.417	0.054	0.049	1.13E-14	0.011	0.006	0.081	0.016	59.616	TRUE	7.54E-14
PEF	FOXK1	cg00064840	rs28658109	C	T	0.184	0.031	0.168	3.64E-09	-0.014	0.003	7.19E-05	0.009	34.788	TRUE	5.09E-08
PEF	FOXK1	cg00064840	rs6463014	T	C	-0.195	0.028	0.232	3.20E-12	0.006	0.003	0.058	0.013	48.537	TRUE	1.84E-11
PEF	FOXK1	cg00064840	rs7784748	T	C	-0.532	0.023	0.426	1.67E-120	0.007	0.003	0.009	0.128	544.544	TRUE	4.14E-111
PEF	FOXK1	cg01509853	rs10262715	A	G	-0.145	0.024	0.413	7.89E-10	0.007	0.003	0.004	0.010	37.766	TRUE	6.15E-09
PEF	FOXK1	cg01509853	rs17135109	T	C	0.476	0.076	0.025	3.78E-10	-0.001	0.008	0.898	0.010	39.202	TRUE	5.55E-10
PEF	FOXK1	cg01509853	rs28476654	T	A	0.903	0.094	0.030	7.36E-22	-0.005	0.007	0.516	0.024	92.273	TRUE	3.48E-21
PEF	FOXK1	cg01509853	rs7788807	C	T	0.408	0.070	0.058	4.44E-09	0.003	0.006	0.582	0.009	34.403	TRUE	8.01E-09
PEF	FOXK1	cg03599658	rs150248176	C	G	-0.641	0.077	0.025	9.33E-17	-0.001	0.008	0.917	0.018	69.070	TRUE	1.89E-16
PEF	FOXK1	cg04261496	rs4540325	T	C	-0.181	0.024	0.383	4.53E-14	0.000	0.003	0.984	0.015	56.892	TRUE	7.52E-14
PEF	FOXK1	cg05117982	rs12701865	G	T	0.147	0.025	0.343	3.54E-09	0.001	0.003	0.701	0.009	34.843	TRUE	5.90E-09
PEF	FOXK1	cg05117982	rs6973046	G	A	-0.336	0.023	0.487	7.61E-47	-0.007	0.003	0.010	0.053	206.480	TRUE	6.91E-44
PEF	FOXK1	cg05117982	rs7788807	C	T	0.416	0.070	0.058	2.52E-09	0.003	0.006	0.582	0.010	35.506	TRUE	4.61E-09
PEF	FOXK1	cg05764847	rs7793919	T	C	0.355	0.023	0.416	7.99E-54	0.007	0.003	0.006	0.061	238.460	TRUE	2.43E-50
PEF	FOXK1	cg06287775	rs7781115	A	G	-0.212	0.023	0.424	2.00E-19	0.006	0.003	0.012	0.021	81.199	TRUE	4.10E-18
PEF	FOXK1	cg06660057	rs111416305	C	T	-0.276	0.042	0.083	4.55E-11	-0.002	0.005	0.754	0.012	43.337	TRUE	7.94E-11
PEF	FOXK1	cg06660057	rs113297525	C	T	-0.393	0.051	0.066	1.93E-14	-0.001	0.005	0.837	0.016	58.570	TRUE	3.74E-14
PEF	FOXK1	cg06660057	rs11973119	G	T	-0.555	0.047	0.073	1.32E-32	-0.008	0.005	0.165	0.037	141.323	TRUE	3.83E-31
PEF	FOXK1	cg06660057	rs300538	G	A	-0.154	0.027	0.265	8.61E-09	-0.002	0.003	0.453	0.009	33.114	TRUE	1.74E-08
PEF	FOXK1	cg06660057	rs35541996	T	C	-0.498	0.084	0.043	3.23E-09	-0.004	0.007	0.572	0.009	35.019	TRUE	5.96E-09
PEF	FOXK1	cg06660057	rs4540325	T	C	0.161	0.024	0.383	4.17E-11	0.000	0.003	0.984	0.012	43.509	TRUE	6.01E-11
PEF	FOXK1	cg06660057	rs62452116	A	C	-0.344	0.035	0.126	2.27E-23	-0.016	0.004	2.49E-05	0.026	99.159	TRUE	4.15E-21
PEF	FOXK1	cg06660057	rs79255073	G	A	-0.729	0.116	0.023	3.04E-10	0.004	0.010	0.695	0.011	39.625	TRUE	5.34E-10
PEF	FOXK1	cg06846441	rs3087749	T	G	-0.300	0.023	0.491	5.49E-38	-0.007	0.003	0.005	0.043	165.924	TRUE	1.92E-35
PEF	FOXK1	cg07044458	rs4132809	G	A	-0.163	0.024	0.385	1.68E-11	0.000	0.003	0.977	0.012	45.284	TRUE	2.47E-11
PEF	FOXK1	cg09281805	rs10228886	G	A	0.212	0.024	0.486	2.47E-19	-0.006	0.003	0.010	0.021	80.781	TRUE	5.47E-18
PEF	FOXK1	cg09281805	rs10271158	G	A	-0.312	0.027	0.248	8.99E-32	-0.007	0.003	0.012	0.036	137.509	TRUE	9.07E-30
PEF	FOXK1	cg09281805	rs112649083	C	G	-0.608	0.110	0.011	3.55E-08	0.003	0.011	0.825	0.008	30.364	TRUE	5.04E-08
PEF	FOXK1	cg09281805	rs12701865	G	T	-1.007	0.018	0.343	<1E-200	0.001	0.003	0.701	0.455	3086.189	TRUE	<1E-200
PEF	FOXK1	cg09281805	rs28476654	T	A	-0.680	0.095	0.030	6.85E-13	-0.005	0.007	0.516	0.014	51.559	TRUE	1.69E-12
PEF	FOXK1	cg09281805	rs4720386	G	T	0.391	0.050	0.115	9.89E-15	0.004	0.004	0.241	0.016	59.886	TRUE	4.15E-14
PEF	FOXK1	cg09281805	rs62450817	G	A	-0.201	0.024	0.382	1.39E-16	-0.003	0.003	0.236	0.018	68.286	TRUE	6.95E-16
PEF	FOXK1	cg09281805	rs6463034	C	T	-0.344	0.038	0.132	1.59E-19	0.005	0.004	0.230	0.022	81.645	TRUE	1.06E-18
PEF	FOXK1	cg09281805	rs74766564	G	A	-0.662	0.098	0.014	1.34E-11	0.017	0.010	0.083	0.012	45.733	TRUE	6.45E-11
PEF	FOXK1	cg09281805	rs76666907	A	G	-0.927	0.061	0.081	6.38E-53	-0.008	0.004	0.037	0.060	234.325	TRUE	6.27E-50
PEF	FOXK1	cg09281805	rs7788807	C	T	-0.589	0.069	0.058	2.15E-17	0.003	0.006	0.582	0.019	71.966	TRUE	6.61E-17
PEF	FOXK1	cg09395443	rs62452134	A	G	-0.257	0.035	0.127	9.59E-14	-0.016	0.004	1.81E-05	0.015	55.419	TRUE	3.76E-12
PEF	FOXK1	cg09395443	rs79357656	T	A	0.300	0.054	0.049	3.04E-08	-0.004	0.006	0.446	0.008	30.664	TRUE	5.94E-08
PEF	FOXK1	cg09789173	rs62450856	A	G	0.272	0.035	0.128	4.73E-15	-0.015	0.004	3.89E-05	0.016	61.337	TRUE	2.10E-13
PEF	FOXK1	cg09789173	rs6463014	T	C	-0.387	0.028	0.232	5.35E-44	0.006	0.003	0.058	0.050	193.440	TRUE	1.21E-41
PEF	FOXK1	cg09789173	rs74766197	T	G	-0.331	0.059	0.082	2.03E-08	0.005	0.005	0.319	0.008	31.447	TRUE	4.59E-08

PEF	FOXK1	cg09789173	rs76666907	A	G	0.559	0.062	0.081	1.81E-19	-0.008	0.004	0.037	0.022	81.394	TRUE	2.57E-18
PEF	FOXK1	cg09789173	rs7793918	T	G	-0.830	0.020	0.410	<1E-200	0.007	0.003	0.006	0.310	1662.875	TRUE	<1E-200
PEF	FOXK1	cg10106935	rs113195187	C	T	-0.509	0.048	0.069	1.71E-26	-0.007	0.005	0.185	0.030	113.400	TRUE	2.47E-25
PEF	FOXK1	cg10106935	rs113297525	C	T	-0.389	0.051	0.066	3.46E-14	-0.001	0.005	0.837	0.015	57.421	TRUE	6.62E-14
PEF	FOXK1	cg10106935	rs300538	G	A	-0.188	0.027	0.265	1.59E-12	-0.002	0.003	0.453	0.013	49.906	TRUE	4.15E-12
PEF	FOXK1	cg10106935	rs35541996	T	C	-0.464	0.084	0.043	3.45E-08	-0.004	0.007	0.572	0.008	30.417	TRUE	5.98E-08
PEF	FOXK1	cg10106935	rs62452060	A	G	-0.292	0.034	0.129	2.01E-17	-0.015	0.004	4.35E-05	0.019	72.093	TRUE	1.27E-15
PEF	FOXK1	cg10106935	rs62453200	G	C	0.145	0.024	0.391	2.01E-09	-0.001	0.003	0.779	0.010	35.941	TRUE	3.12E-09
PEF	FOXK1	cg10106935	rs79255073	G	A	-0.681	0.116	0.023	4.17E-09	0.004	0.010	0.695	0.009	34.525	TRUE	6.86E-09
PEF	FOXK1	cg10118545	rs7784748	T	C	-0.441	0.023	0.426	3.84E-81	0.007	0.003	0.009	0.090	363.778	TRUE	1.43E-75
PEF	FOXK1	cg10888348	rs113195187	C	T	-0.329	0.048	0.069	8.39E-12	-0.007	0.005	0.185	0.012	46.647	TRUE	3.11E-11
PEF	FOXK1	cg10888348	rs62452140	T	G	-0.335	0.052	0.049	1.08E-10	-0.005	0.006	0.382	0.011	41.648	TRUE	2.68E-10
PEF	FOXK1	cg10888348	rs76666907	A	G	0.372	0.062	0.081	2.46E-09	-0.008	0.004	0.037	0.010	35.553	TRUE	1.13E-08
PEF	FOXK1	cg10888348	rs7786525	A	C	-0.687	0.030	0.178	5.03E-118	0.006	0.003	0.058	0.126	533.156	TRUE	1.08E-109
PEF	FOXK1	cg13287553	rs7784748	T	C	-0.472	0.023	0.426	5.93E-94	0.007	0.003	0.009	0.103	422.593	TRUE	3.06E-87
PEF	FOXK1	cg13312702	rs149855606	A	G	-0.670	0.075	0.024	3.68E-19	-0.011	0.007	0.142	0.021	79.992	TRUE	2.99E-18
PEF	FOXK1	cg14582057	rs12701865	G	T	0.168	0.025	0.343	1.52E-11	0.001	0.003	0.701	0.012	45.482	TRUE	2.90E-11
PEF	FOXK1	cg14582057	rs6973046	G	A	-0.302	0.023	0.487	4.49E-38	-0.007	0.003	0.010	0.043	166.327	TRUE	1.16E-35
PEF	FOXK1	cg15176413	rs12701865	G	T	0.229	0.025	0.343	2.73E-20	0.001	0.003	0.701	0.022	85.130	TRUE	9.07E-20
PEF	FOXK1	cg15176413	rs6973046	G	A	-0.441	0.023	0.487	5.88E-81	-0.007	0.003	0.010	0.089	362.930	TRUE	1.82E-75
PEF	FOXK1	cg15176413	rs7788807	C	T	0.425	0.070	0.058	1.16E-09	0.003	0.006	0.582	0.010	37.009	TRUE	2.18E-09
PEF	FOXK1	cg18733230	rs7786525	A	C	-0.308	0.031	0.178	5.74E-24	0.006	0.003	0.058	0.027	101.878	TRUE	1.14E-22
PEF	FOXK1	cg19336198	rs62452150	T	C	-0.264	0.038	0.105	3.61E-12	-0.015	0.004	3.06E-04	0.013	48.301	TRUE	6.78E-11
PEF	FOXK1	cg20349812	rs12701865	G	T	0.186	0.025	0.343	6.77E-14	0.001	0.003	0.701	0.015	56.105	TRUE	1.48E-13
PEF	FOXK1	cg20349812	rs6973046	G	A	-0.406	0.023	0.487	2.04E-68	-0.007	0.003	0.010	0.076	305.380	TRUE	6.14E-64
PEF	FOXK1	cg20349812	rs7788807	C	T	0.462	0.070	0.058	3.48E-11	0.003	0.006	0.582	0.012	43.865	TRUE	7.13E-11
PEF	FOXK1	cg22753962	rs111416305	C	T	-0.246	0.042	0.083	4.72E-09	-0.002	0.005	0.754	0.009	34.284	TRUE	7.40E-09
PEF	FOXK1	cg22753962	rs113297525	C	T	-0.348	0.051	0.066	1.35E-11	-0.001	0.005	0.837	0.012	45.719	TRUE	2.24E-11
PEF	FOXK1	cg22753962	rs11973119	G	T	-0.513	0.047	0.073	5.44E-28	-0.008	0.005	0.165	0.031	120.236	TRUE	9.72E-27
PEF	FOXK1	cg22753962	rs13232425	T	C	-0.129	0.024	0.486	4.31E-08	-0.007	0.003	0.007	0.008	29.988	TRUE	2.54E-07
PEF	FOXK1	cg22753962	rs300538	G	A	-0.188	0.027	0.265	2.02E-12	-0.002	0.003	0.453	0.013	49.439	TRUE	5.22E-12
PEF	FOXK1	cg22753962	rs35541996	T	C	-0.629	0.084	0.043	6.01E-14	-0.004	0.007	0.572	0.015	56.337	TRUE	1.49E-13
PEF	FOXK1	cg22753962	rs59864860	A	T	-0.347	0.034	0.135	3.47E-24	-0.016	0.004	2.62E-05	0.027	102.878	TRUE	7.24E-22
PEF	FOXK1	cg23318967	rs6968957	G	A	-0.230	0.024	0.387	4.44E-22	-0.001	0.003	0.834	0.025	93.275	TRUE	1.35E-21
PEF	FOXK1	cg23871697	rs12701943	C	T	0.252	0.040	0.096	4.86E-10	0.007	0.005	0.119	0.010	38.711	TRUE	1.78E-09
PEF	FOXK1	cg23871697	rs3763381	T	C	0.159	0.023	0.495	1.22E-11	0.003	0.003	0.203	0.012	45.908	TRUE	4.31E-11
PEF	FOXK1	cg26800803	rs12701865	G	T	0.193	0.025	0.343	6.31E-15	0.001	0.003	0.701	0.016	60.770	TRUE	1.47E-14
PEF	FOXK1	cg26800803	rs6973046	G	A	-0.379	0.023	0.487	1.31E-59	-0.007	0.003	0.010	0.067	264.990	TRUE	8.73E-56
PEF	FOXK2	cg01122847	rs147721183	T	C	-1.071	0.120	0.016	5.27E-19	0.006	0.012	0.635	0.021	79.283	TRUE	1.70E-18
PEF	FOXK2	cg01122847	rs149143300	T	C	-0.819	0.089	0.017	2.24E-20	0.004	0.010	0.738	0.023	85.523	TRUE	7.01E-20
PEF	FOXK2	cg01122847	rs62079679	T	C	-0.550	0.058	0.045	5.50E-21	0.013	0.006	0.031	0.023	88.298	TRUE	1.01E-19
PEF	FOXK2	cg01483119	rs11869798	C	A	0.169	0.026	0.281	1.64E-10	0.002	0.003	0.390	0.011	40.829	TRUE	3.97E-10

PEF	FOXK2	cg01483119	rs147721183	T	C	-0.869	0.122	0.016	9.36E-13	0.006	0.012	0.635	0.014	50.947	TRUE	2.01E-12
PEF	FOXK2	cg01483119	rs149143300	T	C	-0.783	0.089	0.017	1.51E-18	0.004	0.010	0.738	0.020	77.199	TRUE	4.20E-18
PEF	FOXK2	cg01483119	rs3752822	G	C	-0.285	0.030	0.178	8.25E-21	-0.006	0.004	0.091	0.023	87.495	TRUE	9.63E-20
PEF	FOXK2	cg01483119	rs3794713	C	T	0.282	0.031	0.165	8.72E-20	0.010	0.003	0.002	0.022	82.834	TRUE	3.05E-18
PEF	FOXK2	cg01483119	rs75794119	A	G	-0.482	0.058	0.044	5.86E-17	0.001	0.006	0.876	0.019	69.987	TRUE	1.25E-16
PEF	FOXK2	cg01483119	rs77037677	A	G	-0.670	0.050	0.055	4.19E-41	-0.003	0.005	0.580	0.046	180.193	TRUE	1.04E-39
PEF	FOXK2	cg01483119	rs78077159	G	C	-0.339	0.052	0.052	6.23E-11	0.003	0.006	0.611	0.011	42.723	TRUE	1.23E-10
PEF	FOXK2	cg02094337	rs12452440	T	C	0.174	0.024	0.430	1.45E-13	0.001	0.003	0.621	0.015	54.603	TRUE	3.35E-13
PEF	FOXK2	cg02094337	rs4789705	C	G	0.209	0.036	0.127	3.91E-09	-0.006	0.004	0.101	0.009	34.649	TRUE	1.37E-08
PEF	FOXK2	cg02116768	rs72852022	T	C	-0.207	0.030	0.203	2.65E-12	-0.001	0.003	0.696	0.013	48.908	TRUE	5.19E-12
PEF	FOXK2	cg02796939	rs753569	T	G	-0.351	0.029	0.210	1.59E-33	-0.001	0.003	0.734	0.038	145.514	TRUE	1.41E-32
PEF	FOXK2	cg02796939	rs78165269	C	G	0.215	0.025	0.304	2.15E-17	-0.005	0.003	0.074	0.019	71.965	TRUE	1.98E-16
PEF	FOXK2	cg03238119	rs4789817	G	A	0.151	0.025	0.355	6.63E-10	0.005	0.003	0.083	0.010	38.107	TRUE	2.62E-09
PEF	FOXK2	cg03238119	rs79150306	T	A	-0.275	0.050	0.055	4.40E-08	-0.003	0.005	0.527	0.008	29.950	TRUE	7.87E-08
PEF	FOXK2	cg04381393	rs113425960	T	G	-2.006	0.162	0.013	3.69E-35	-0.003	0.011	0.803	0.040	152.993	TRUE	3.38E-34
PEF	FOXK2	cg04381393	rs117895336	A	G	-0.386	0.061	0.042	3.31E-10	0.014	0.007	0.030	0.011	39.460	TRUE	1.80E-09
PEF	FOXK2	cg04800768	rs1387545	T	C	-0.322	0.032	0.389	3.20E-23	0.004	0.003	0.085	0.026	98.479	TRUE	4.82E-22
PEF	FOXK2	cg04800768	rs17885612	G	C	-0.142	0.025	0.289	2.45E-08	0.004	0.003	0.160	0.008	31.086	TRUE	6.89E-08
PEF	FOXK2	cg04800768	rs78106158	G	C	-0.374	0.051	0.063	1.45E-13	0.010	0.005	0.023	0.015	54.602	TRUE	1.26E-12
PEF	FOXK2	cg05331763	rs11652501	G	C	0.479	0.024	0.362	1.52E-91	0.001	0.003	0.844	0.100	411.535	TRUE	3.01E-87
PEF	FOXK2	cg05331763	rs117542937	T	C	-0.476	0.074	0.024	1.01E-10	0.004	0.007	0.557	0.011	41.782	TRUE	2.08E-10
PEF	FOXK2	cg05331763	rs144288267	C	T	-0.364	0.053	0.046	5.04E-12	0.001	0.006	0.907	0.013	47.647	TRUE	8.03E-12
PEF	FOXK2	cg05331763	rs4789817	G	A	-0.191	0.024	0.355	5.97E-15	0.005	0.003	0.083	0.016	60.880	TRUE	3.92E-14
PEF	FOXK2	cg05331763	rs73371707	A	G	0.404	0.072	0.061	1.70E-08	0.010	0.005	0.030	0.009	31.797	TRUE	7.57E-08
PEF	FOXK2	cg05331763	rs9905533	T	C	-1.113	0.036	0.108	1.23E-215	0.002	0.004	0.717	0.210	981.827	TRUE	2.54E-196
PEF	FOXK2	cg05331763	rs9911222	T	C	-1.115	0.025	0.173	<1E-200	0.001	0.003	0.704	0.353	2017.296	TRUE	<1E-200
PEF	FOXK2	cg05578865	rs116857425	T	C	0.481	0.081	0.020	2.48E-09	0.025	0.010	0.008	0.010	35.537	TRUE	1.66E-08
PEF	FOXK2	cg05578865	rs117252262	T	C	-0.546	0.087	0.020	3.20E-10	0.007	0.009	0.439	0.011	39.528	TRUE	7.15E-10
PEF	FOXK2	cg05578865	rs12150524	A	G	-0.331	0.051	0.054	5.86E-11	-0.002	0.005	0.674	0.011	42.845	TRUE	1.08E-10
PEF	FOXK2	cg05578865	rs12936476	T	C	-0.178	0.024	0.476	5.67E-14	-0.001	0.003	0.801	0.015	56.451	TRUE	1.10E-13
PEF	FOXK2	cg05578865	rs12948621	C	A	-0.238	0.024	0.379	5.16E-23	0.002	0.003	0.576	0.026	97.533	TRUE	2.48E-22
PEF	FOXK2	cg05578865	rs148600435	A	G	-0.548	0.091	0.017	1.48E-09	0.000	0.007	0.957	0.010	36.544	TRUE	2.01E-09
PEF	FOXK2	cg05578865	rs34509144	A	T	-0.372	0.060	0.045	5.93E-10	0.009	0.006	0.139	0.010	38.323	TRUE	2.03E-09
PEF	FOXK2	cg05578865	rs3794713	C	T	-0.665	0.030	0.165	7.11E-108	0.010	0.003	0.002	0.116	486.529	TRUE	1.66E-99
PEF	FOXK2	cg05578865	rs60966564	A	G	0.521	0.029	0.212	1.02E-73	-0.001	0.003	0.718	0.082	329.710	TRUE	1.38E-70
PEF	FOXK2	cg05578865	rs73357180	C	T	0.382	0.034	0.134	1.22E-28	-0.006	0.004	0.096	0.032	123.199	TRUE	3.22E-27
PEF	FOXK2	cg05578865	rs74001784	T	C	0.289	0.053	0.050	3.84E-08	0.006	0.006	0.300	0.008	30.211	TRUE	8.74E-08
PEF	FOXK2	cg05578865	rs77256703	G	A	-0.777	0.020	0.441	<1E-200	0.004	0.003	0.081	0.285	1474.022	TRUE	3.01E-281
PEF	FOXK2	cg05578865	rs79233685	T	G	0.207	0.036	0.115	8.04E-09	-0.003	0.004	0.486	0.009	33.248	TRUE	1.56E-08
PEF	FOXK2	cg05578865	rs8067360	C	T	0.203	0.024	0.455	1.01E-17	0.000	0.003	0.921	0.019	73.446	TRUE	2.19E-17
PEF	FOXK2	cg05578865	rs8069795	C	A	-0.150	0.027	0.261	1.98E-08	0.000	0.003	0.948	0.008	31.497	TRUE	2.60E-08
PEF	FOXK2	cg05578865	rs9891087	A	G	0.429	0.049	0.061	2.78E-18	0.007	0.006	0.258	0.020	76.001	TRUE	1.55E-17

PEF	FOXK2	cg05580415	rs11654159	T	C	-0.209	0.032	0.162	6.30E-11	0.006	0.003	0.060	0.011	42.702	TRUE	3.12E-10
PEF	FOXK2	cg05580415	rs117039631	T	C	-0.544	0.086	0.019	2.65E-10	0.005	0.009	0.548	0.011	39.894	TRUE	5.34E-10
PEF	FOXK2	cg05580415	rs117477450	G	C	-0.431	0.079	0.025	4.60E-08	0.000	0.009	0.963	0.008	29.862	TRUE	5.87E-08
PEF	FOXK2	cg05580415	rs12150313	G	T	-0.288	0.050	0.055	1.10E-08	-0.002	0.005	0.671	0.009	32.633	TRUE	1.81E-08
PEF	FOXK2	cg05580415	rs12948621	C	A	-0.299	0.024	0.379	7.10E-36	0.002	0.003	0.576	0.041	156.266	TRUE	1.06E-34
PEF	FOXK2	cg05580415	rs148600435	A	G	-0.520	0.091	0.017	9.68E-09	0.000	0.007	0.957	0.009	32.887	TRUE	1.27E-08
PEF	FOXK2	cg05580415	rs2279393	G	A	0.406	0.033	0.155	1.30E-35	-0.008	0.004	0.032	0.040	155.057	TRUE	1.42E-33
PEF	FOXK2	cg05580415	rs2635417	A	C	-0.205	0.023	0.498	2.20E-18	0.003	0.003	0.193	0.020	76.460	TRUE	1.45E-17
PEF	FOXK2	cg05580415	rs376385266	A	G	-0.190	0.027	0.243	2.79E-12	0.002	0.003	0.567	0.013	48.803	TRUE	6.32E-12
PEF	FOXK2	cg05580415	rs3794713	C	T	-0.641	0.030	0.165	5.73E-100	0.010	0.003	0.002	0.109	450.214	TRUE	2.15E-92
PEF	FOXK2	cg05580415	rs60966564	A	G	0.275	0.029	0.212	4.61E-21	-0.001	0.003	0.718	0.023	88.646	TRUE	1.57E-20
PEF	FOXK2	cg05580415	rs62079682	A	G	-0.330	0.060	0.045	3.64E-08	0.009	0.006	0.139	0.008	30.316	TRUE	1.05E-07
PEF	FOXK2	cg05580415	rs7217917	T	C	-0.142	0.024	0.472	2.09E-09	-0.001	0.003	0.700	0.010	35.867	TRUE	3.52E-09
PEF	FOXK2	cg05580415	rs7406537	A	G	0.170	0.024	0.440	4.56E-13	-0.007	0.003	0.006	0.014	52.356	TRUE	5.53E-12
PEF	FOXK2	cg05580415	rs77256703	G	A	-0.762	0.020	0.441	<1E-200	0.004	0.003	0.081	0.278	1427.753	TRUE	2.49E-273
PEF	FOXK2	cg05580415	rs79989195	T	C	0.430	0.057	0.036	7.32E-14	0.001	0.006	0.887	0.015	55.949	TRUE	1.31E-13
PEF	FOXK2	cg05580415	rs9891087	A	G	0.337	0.049	0.061	7.85E-12	0.007	0.006	0.258	0.012	46.778	TRUE	2.55E-11
PEF	FOXK2	cg05580415	rs9916861	T	C	0.166	0.030	0.208	2.06E-08	-0.003	0.003	0.404	0.008	31.418	TRUE	4.24E-08
PEF	FOXK2	cg07539709	rs72852022	T	C	-0.293	0.029	0.203	2.27E-23	-0.001	0.003	0.696	0.026	99.162	TRUE	9.22E-23
PEF	FOXK2	cg07539709	rs78165269	C	G	0.189	0.025	0.304	6.74E-14	-0.005	0.003	0.074	0.015	56.113	TRUE	4.34E-13
PEF	FOXK2	cg08848988	rs3794713	C	T	-0.399	0.031	0.165	1.47E-38	0.010	0.003	0.002	0.044	168.542	TRUE	6.86E-36
PEF	FOXK2	cg10255544	rs3829565	G	C	-0.674	0.038	0.101	4.97E-69	0.001	0.004	0.796	0.077	308.195	TRUE	2.70E-66
PEF	FOXK2	cg10255544	rs6502119	C	T	0.252	0.024	0.367	1.45E-25	0.000	0.003	0.975	0.029	109.171	TRUE	4.79E-25
PEF	FOXK2	cg10460657	rs8074559	G	A	0.296	0.048	0.150	9.51E-10	0.000	0.004	0.997	0.010	37.402	TRUE	1.26E-09
PEF	FOXK2	cg10460657	rs9788998	G	A	0.266	0.023	0.463	7.54E-30	0.005	0.003	0.038	0.034	128.719	TRUE	3.78E-28
PEF	FOXK2	cg11779900	rs118072068	T	A	-0.548	0.087	0.022	3.03E-10	0.022	0.008	0.007	0.011	39.635	TRUE	2.39E-09
PEF	FOXK2	cg11779900	rs146599866	T	C	-0.930	0.024	0.242	<1E-200	0.003	0.003	0.392	0.286	1484.276	TRUE	1.93E-284
PEF	FOXK2	cg11779900	rs62078078	T	C	0.309	0.028	0.228	2.99E-29	-0.004	0.003	0.155	0.033	125.988	TRUE	6.31E-28
PEF	FOXK2	cg11779900	rs79589817	T	C	-0.210	0.038	0.134	2.48E-08	-0.003	0.004	0.411	0.008	31.058	TRUE	5.01E-08
PEF	FOXK2	cg11779900	rs9911222	T	C	0.219	0.031	0.173	1.60E-12	0.001	0.003	0.704	0.013	49.893	TRUE	3.17E-12
PEF	FOXK2	cg11779900	rs9916019	C	A	0.305	0.038	0.107	8.33E-16	0.002	0.004	0.728	0.017	64.755	TRUE	1.97E-15
PEF	FOXK2	cg14173033	rs140709442	A	G	-0.644	0.114	0.013	1.46E-08	0.003	0.010	0.799	0.009	32.084	TRUE	2.16E-08
PEF	FOXK2	cg14173033	rs72852022	T	C	-0.256	0.030	0.203	4.39E-18	-0.001	0.003	0.696	0.020	75.096	TRUE	1.23E-17
PEF	FOXK2	cg14173033	rs78165269	C	G	0.156	0.025	0.304	7.22E-10	-0.005	0.003	0.074	0.010	37.940	TRUE	3.05E-09
PEF	FOXK2	cg14587273	rs1007494	A	G	-0.145	0.025	0.323	3.84E-09	0.005	0.003	0.066	0.009	34.684	TRUE	1.50E-08
PEF	FOXK2	cg14587273	rs11656597	A	G	-0.182	0.028	0.221	1.24E-10	0.007	0.003	0.022	0.011	41.372	TRUE	7.66E-10
PEF	FOXK2	cg14587273	rs28708773	T	G	-1.583	0.065	0.034	8.30E-130	0.016	0.007	0.021	0.137	587.291	TRUE	9.51E-120
PEF	FOXK2	cg14587273	rs56080345	T	A	-0.270	0.028	0.241	1.29E-22	0.002	0.003	0.570	0.025	95.711	TRUE	6.08E-22
PEF	FOXK2	cg14587273	rs71376548	T	C	-0.454	0.053	0.051	8.41E-18	0.010	0.006	0.066	0.020	73.815	TRUE	8.25E-17
PEF	FOXK2	cg14674306	rs12950772	G	A	0.319	0.026	0.269	2.92E-34	0.001	0.003	0.758	0.039	148.883	TRUE	2.68E-33
PEF	FOXK2	cg14674306	rs201699120	A	T	-0.187	0.030	0.204	3.47E-10	-0.002	0.003	0.584	0.011	39.369	TRUE	6.71E-10
PEF	FOXK2	cg15292356	rs111946258	G	A	0.269	0.030	0.196	1.09E-19	-0.001	0.003	0.883	0.022	82.402	TRUE	2.75E-19

PEF	FOXK2	cg15292356	rs11651812	A	G	-0.675	0.023	0.338	1.93E-181	-0.005	0.003	0.043	0.182	824.607	TRUE	4.40E-165
PEF	FOXK2	cg15292356	rs117959151	G	A	-0.878	0.129	0.018	1.17E-11	0.001	0.008	0.934	0.012	45.997	TRUE	1.78E-11
PEF	FOXK2	cg15292356	rs118100209	A	G	-0.414	0.061	0.044	1.46E-11	-0.007	0.006	0.245	0.012	45.559	TRUE	4.73E-11
PEF	FOXK2	cg15292356	rs2279394	A	G	-0.276	0.026	0.275	1.61E-26	0.003	0.003	0.334	0.030	113.515	TRUE	1.57E-25
PEF	FOXK2	cg15292356	rs3752822	G	C	0.297	0.030	0.178	1.34E-22	-0.006	0.004	0.091	0.025	95.641	TRUE	1.88E-21
PEF	FOXK2	cg15292356	rs62079722	A	C	-0.209	0.030	0.188	7.28E-12	-0.003	0.003	0.320	0.013	46.925	TRUE	2.10E-11
PEF	FOXK2	cg15292356	rs630945	G	A	0.219	0.024	0.449	4.03E-20	0.005	0.003	0.033	0.022	84.360	TRUE	6.81E-19
PEF	FOXK2	cg15292356	rs79989195	T	C	-0.355	0.058	0.036	7.08E-10	0.001	0.006	0.887	0.010	37.979	TRUE	1.04E-09
PEF	FOXK2	cg15292356	rs8082615	G	C	0.239	0.029	0.192	4.43E-16	0.007	0.003	0.033	0.018	66.001	TRUE	4.62E-15
PEF	FOXK2	cg15292356	rs9890099	T	G	-0.185	0.028	0.235	6.92E-11	-0.002	0.003	0.532	0.011	42.517	TRUE	1.48E-10
PEF	FOXK2	cg15349696	rs72852022	T	C	-0.291	0.029	0.203	5.09E-23	-0.001	0.003	0.696	0.026	97.558	TRUE	2.02E-22
PEF	FOXK2	cg15349696	rs78165269	C	G	0.175	0.025	0.304	5.37E-12	-0.005	0.003	0.074	0.013	47.520	TRUE	2.84E-11
PEF	FOXK2	cg16375265	rs11650031	T	C	-0.199	0.036	0.109	2.94E-08	0.010	0.004	0.010	0.008	30.728	TRUE	1.65E-07
PEF	FOXK2	cg16375265	rs117252262	T	C	-0.545	0.087	0.020	3.36E-10	0.007	0.009	0.439	0.011	39.432	TRUE	7.50E-10
PEF	FOXK2	cg16375265	rs12936476	T	C	-0.143	0.024	0.476	1.45E-09	-0.001	0.003	0.801	0.010	36.580	TRUE	2.22E-09
PEF	FOXK2	cg16375265	rs12948621	C	A	-0.223	0.024	0.379	1.73E-20	0.002	0.003	0.576	0.023	86.027	TRUE	6.86E-20
PEF	FOXK2	cg16375265	rs2279393	G	A	0.240	0.033	0.155	2.50E-13	-0.008	0.004	0.032	0.014	53.534	TRUE	1.98E-12
PEF	FOXK2	cg16375265	rs2635417	A	C	-0.176	0.023	0.498	6.52E-14	0.003	0.003	0.193	0.015	56.177	TRUE	2.88E-13
PEF	FOXK2	cg16375265	rs3794713	C	T	-0.606	0.030	0.165	4.92E-89	0.010	0.003	0.002	0.098	400.006	TRUE	1.70E-82
PEF	FOXK2	cg16375265	rs60966564	A	G	0.305	0.029	0.212	1.25E-25	-0.001	0.003	0.718	0.029	109.460	TRUE	5.96E-25
PEF	FOXK2	cg16375265	rs72851958	C	A	-0.154	0.027	0.242	1.45E-08	0.001	0.003	0.679	0.009	32.102	TRUE	2.35E-08
PEF	FOXK2	cg16375265	rs77256703	G	A	-0.556	0.023	0.441	1.66E-133	0.004	0.003	0.081	0.140	604.292	TRUE	1.29E-123
PEF	FOXK2	cg16375265	rs9891087	A	G	0.286	0.049	0.061	6.36E-09	0.007	0.006	0.258	0.009	33.704	TRUE	1.63E-08
PEF	FOXK2	cg16755922	rs80014614	A	G	0.449	0.050	0.060	2.49E-19	0.001	0.006	0.929	0.021	80.761	TRUE	5.76E-19
PEF	FOXK2	cg16755922	rs878823	T	C	0.512	0.028	0.211	5.72E-73	0.001	0.003	0.659	0.081	326.268	TRUE	7.96E-70
PEF	FOXK2	cg16755922	rs9911520	T	C	0.393	0.071	0.063	3.62E-08	0.002	0.005	0.707	0.008	30.326	TRUE	5.62E-08
PEF	FOXK2	cg18128058	rs142226247	A	G	0.369	0.057	0.046	1.23E-10	-0.007	0.006	0.251	0.011	41.391	TRUE	3.65E-10
PEF	FOXK2	cg18128058	rs4789807	T	C	-0.322	0.030	0.200	2.00E-27	-0.002	0.003	0.584	0.031	117.657	TRUE	1.33E-26
PEF	FOXK2	cg18128058	rs78165269	C	G	0.216	0.025	0.304	1.79E-17	-0.005	0.003	0.074	0.019	72.322	TRUE	1.67E-16
PEF	FOXK2	cg20173014	rs12452440	T	C	0.261	0.023	0.430	8.92E-29	0.001	0.003	0.621	0.032	123.820	TRUE	6.32E-28
PEF	FOXK2	cg20710824	rs11869798	C	A	-0.215	0.026	0.281	1.23E-16	0.002	0.003	0.390	0.018	68.522	TRUE	4.69E-16
PEF	FOXK2	cg20710824	rs180743348	T	C	-0.167	0.029	0.182	1.45E-08	-0.002	0.003	0.601	0.009	32.101	TRUE	2.52E-08
PEF	FOXK2	cg20710824	rs8074559	G	A	0.297	0.048	0.150	8.48E-10	0.000	0.004	0.997	0.010	37.626	TRUE	1.13E-09
PEF	FOXK2	cg20710824	rs9788998	G	A	0.290	0.023	0.463	2.69E-36	0.005	0.003	0.038	0.041	158.193	TRUE	2.99E-34
PEF	FOXK2	cg21093005	rs113987209	T	C	0.339	0.038	0.286	2.32E-19	-0.002	0.003	0.440	0.021	80.898	TRUE	1.03E-18
PEF	FOXK2	cg21093005	rs4789803	T	C	-0.284	0.046	0.181	5.78E-10	0.005	0.003	0.155	0.010	38.373	TRUE	1.93E-09
PEF	FOXK2	cg21093005	rs56075787	T	C	-0.172	0.028	0.235	7.48E-10	0.003	0.003	0.371	0.010	37.872	TRUE	1.78E-09
PEF	FOXK2	cg21909206	rs3794713	C	T	-0.198	0.030	0.165	8.59E-11	0.010	0.003	0.002	0.011	42.095	TRUE	8.69E-10
PEF	FOXK2	cg22582875	rs8076310	T	C	-0.267	0.029	0.209	3.12E-20	-0.001	0.003	0.726	0.022	84.866	TRUE	9.93E-20
PEF	FOXK2	cg23628350	rs118027829	T	C	0.481	0.066	0.037	2.14E-13	0.009	0.007	0.193	0.014	53.847	TRUE	8.89E-13
PEF	FOXK2	cg23628350	rs144288267	C	T	-0.341	0.053	0.046	9.81E-11	0.001	0.006	0.907	0.011	41.837	TRUE	1.47E-10
PEF	FOXK2	cg23628350	rs2085615	C	G	0.199	0.025	0.363	6.32E-16	0.007	0.003	0.008	0.017	65.299	TRUE	1.02E-14

PEF	FOXK2	cg23628350	rs2246563	T	C	0.164	0.024	0.412	6.53E-12	0.002	0.003	0.557	0.013	47.137	TRUE	1.43E-11
PEF	FOXK2	cg23628350	rs60966564	A	G	0.975	0.025	0.212	<1E-200	-0.001	0.003	0.718	0.289	1500.648	TRUE	5.03E-288
PEF	FOXK2	cg23628350	rs62079673	T	C	0.556	0.023	0.417	9.03E-128	0.004	0.003	0.113	0.135	577.933	TRUE	1.04E-118
PEF	FOXK2	cg23628350	rs66693031	A	G	0.546	0.055	0.049	1.40E-23	0.009	0.006	0.167	0.026	100.120	TRUE	1.58E-22
PEF	FOXK2	cg23628350	rs744991	G	C	-0.350	0.025	0.289	6.32E-43	0.003	0.003	0.229	0.048	188.533	TRUE	4.54E-41
PEF	FOXK2	cg23628350	rs74705920	A	G	0.527	0.053	0.050	2.51E-23	0.014	0.006	0.015	0.026	98.956	TRUE	8.02E-22
PEF	FOXK2	cg23628350	rs77256703	G	A	-0.259	0.023	0.441	1.90E-28	0.004	0.003	0.081	0.032	122.325	TRUE	5.38E-27
PEF	FOXK2	cg23628350	rs9303032	G	A	0.137	0.024	0.440	6.93E-09	0.005	0.003	0.048	0.009	33.537	TRUE	2.87E-08
PEF	FOXK2	cg23628350	rs9893830	T	A	0.487	0.044	0.215	4.61E-29	0.001	0.003	0.731	0.033	125.127	TRUE	2.77E-28
PEF	FOXK2	cg23674202	rs113987209	T	C	0.318	0.038	0.286	3.11E-17	-0.002	0.003	0.440	0.019	71.235	TRUE	1.17E-16
PEF	FOXK2	cg23674202	rs118072068	T	A	0.479	0.087	0.022	3.67E-08	0.022	0.008	0.007	0.008	30.299	TRUE	2.15E-07
PEF	FOXK2	cg23674202	rs142507840	G	C	0.401	0.048	0.062	1.22E-16	0.003	0.005	0.611	0.018	68.540	TRUE	3.46E-16
PEF	FOXK2	cg23674202	rs35083592	A	G	0.157	0.026	0.279	2.33E-09	-0.004	0.003	0.135	0.010	35.661	TRUE	7.77E-09
PEF	FOXK2	cg23674202	rs4789803	T	C	-0.421	0.045	0.181	2.24E-20	0.005	0.003	0.155	0.023	85.519	TRUE	1.96E-19
PEF	FOXK2	cg23674202	rs8067257	A	G	-0.192	0.030	0.205	8.03E-11	0.006	0.003	0.087	0.011	42.228	TRUE	3.52E-10
PEF	FOXK2	cg23765707	rs12600791	G	T	-0.315	0.051	0.055	4.56E-10	-0.002	0.005	0.669	0.010	38.835	TRUE	8.03E-10
PEF	FOXK2	cg23765707	rs144288267	C	T	-0.303	0.053	0.046	9.25E-09	0.001	0.006	0.907	0.009	32.974	TRUE	1.27E-08
PEF	FOXK2	cg23765707	rs149143300	T	C	-0.509	0.089	0.017	1.14E-08	0.004	0.010	0.738	0.009	32.576	TRUE	1.77E-08
PEF	FOXK2	cg23765707	rs7220002	C	A	0.347	0.032	0.166	3.16E-28	-0.005	0.004	0.165	0.032	121.312	TRUE	5.86E-27
PEF	FOXK2	cg24220178	rs113987209	T	C	0.484	0.037	0.286	8.75E-39	-0.002	0.003	0.440	0.044	169.576	TRUE	2.33E-37
PEF	FOXK2	cg24220178	rs4789803	T	C	-0.461	0.045	0.181	3.01E-24	0.005	0.003	0.155	0.027	103.157	TRUE	3.83E-23
PEF	FOXK2	cg24220178	rs56075787	T	C	-0.181	0.028	0.235	9.00E-11	0.003	0.003	0.371	0.011	42.005	TRUE	2.29E-10
PEF	FOXK2	cg24537348	rs9271	A	G	-0.268	0.029	0.209	3.00E-20	-0.001	0.003	0.730	0.022	84.946	TRUE	9.55E-20
PEF	FOXK2	cg24770256	rs3736207	C	T	-0.244	0.039	0.102	3.94E-10	0.001	0.004	0.814	0.010	39.123	TRUE	6.20E-10
PEF	FOXK2	cg24793584	rs78165269	C	G	-0.153	0.025	0.304	8.92E-10	-0.005	0.003	0.074	0.010	37.528	TRUE	3.73E-09
PEF	FOXK2	cg25009498	rs118027829	T	C	0.519	0.066	0.037	2.37E-15	0.009	0.007	0.193	0.017	62.697	TRUE	1.17E-14
PEF	FOXK2	cg25009498	rs144288267	C	T	-0.359	0.053	0.046	1.02E-11	0.001	0.006	0.907	0.012	46.263	TRUE	1.60E-11
PEF	FOXK2	cg25009498	rs1870370	G	C	0.218	0.033	0.163	3.50E-11	0.004	0.004	0.287	0.012	43.849	TRUE	1.02E-10
PEF	FOXK2	cg25009498	rs2451198	G	A	0.302	0.028	0.244	9.86E-28	0.009	0.003	0.002	0.031	119.055	TRUE	1.04E-25
PEF	FOXK2	cg25009498	rs60966564	A	G	1.001	0.025	0.212	<1E-200	-0.001	0.003	0.718	0.304	1619.313	TRUE	<1E-200
PEF	FOXK2	cg25009498	rs62079673	T	C	0.598	0.023	0.417	2.79E-149	0.004	0.003	0.113	0.155	676.780	TRUE	9.93E-138
PEF	FOXK2	cg25009498	rs72853019	A	G	1.036	0.104	0.027	1.81E-23	0.001	0.008	0.899	0.026	99.603	TRUE	5.71E-23
PEF	FOXK2	cg25009498	rs744991	G	C	-0.370	0.025	0.289	5.86E-48	0.003	0.003	0.229	0.054	211.582	TRUE	7.85E-46
PEF	FOXK2	cg25009498	rs74705920	A	G	0.530	0.053	0.050	1.64E-23	0.014	0.006	0.015	0.026	99.799	TRUE	5.36E-22
PEF	FOXK2	cg25009498	rs77256703	G	A	-0.229	0.023	0.441	1.45E-22	0.004	0.003	0.081	0.025	95.481	TRUE	2.19E-21
PEF	FOXK2	cg25009498	rs78483419	C	T	-0.188	0.031	0.179	1.26E-09	-0.003	0.003	0.415	0.010	36.860	TRUE	2.78E-09
PEF	FOXK2	cg25009498	rs9893830	T	A	0.480	0.044	0.215	2.89E-28	0.001	0.003	0.731	0.032	121.487	TRUE	1.63E-27
PEF	FOXK2	cg26176014	rs140737552	T	C	0.191	0.027	0.246	2.55E-12	0.002	0.003	0.582	0.013	48.983	TRUE	5.70E-12
PEF	FOXK2	cg26986438	rs9914081	T	C	0.267	0.038	0.280	2.49E-12	-0.002	0.003	0.440	0.013	49.026	TRUE	6.57E-12
PEF	FOXK2	cg27450688	rs3794713	C	T	-0.197	0.030	0.165	9.48E-11	0.010	0.003	0.002	0.011	41.904	TRUE	9.53E-10
PEF	FOXK2	cg27570233	rs2015031	A	G	0.141	0.024	0.357	5.99E-09	0.002	0.003	0.393	0.009	33.821	TRUE	1.29E-08
PEF	FTH1	cg01209023	rs195445	C	T	-0.304	0.025	0.322	1.84E-33	0.006	0.003	0.031	0.038	145.230	TRUE	1.55E-31

PEF	FTH1	cg01209023	rs71490347	T	G	0.235	0.027	0.266	7.76E-19	0.004	0.003	0.164	0.021	78.518	TRUE	5.70E-18
PEF	FTH1	cg02315732	rs10897194	G	C	0.351	0.042	0.083	8.76E-17	-0.008	0.005	0.082	0.018	69.192	TRUE	7.09E-16
PEF	FTH1	cg02315732	rs12786452	T	C	-0.293	0.025	0.324	7.27E-32	0.006	0.003	0.021	0.036	137.930	TRUE	5.98E-30
PEF	FTH1	cg18570751	rs185835490	T	G	0.716	0.075	0.025	6.96E-22	-0.003	0.008	0.760	0.024	92.385	TRUE	2.34E-21
PEF	FTH1	cg24496614	rs11605994	T	C	-0.158	0.027	0.251	6.16E-09	0.004	0.003	0.145	0.009	33.767	TRUE	1.92E-08
PEF	FTH1	cg24496614	rs17633020	A	G	0.296	0.028	0.219	5.99E-26	0.005	0.003	0.117	0.029	110.917	TRUE	1.05E-24
PEF	FTH1	cg24803614	rs12576538	A	G	0.201	0.023	0.441	8.71E-18	0.002	0.003	0.500	0.020	73.745	TRUE	3.10E-17
PEF	FTH1	cg24803614	rs12786452	T	C	-0.353	0.025	0.324	1.43E-45	0.006	0.003	0.021	0.051	200.646	TRUE	7.37E-43
PEF	FTH1	cg24803614	rs174455	G	A	0.140	0.024	0.347	6.41E-09	0.002	0.003	0.450	0.009	33.688	TRUE	1.31E-08
PEF	FTH1	cg24803614	rs34967927	A	G	-0.153	0.027	0.251	1.08E-08	0.001	0.003	0.711	0.009	32.681	TRUE	1.72E-08
PEF	FTH1	cg24803614	rs72924290	C	T	-0.469	0.070	0.028	2.94E-11	-0.003	0.007	0.715	0.012	44.191	TRUE	5.34E-11
PEF	FTH1	cg24898753	rs17633020	A	G	0.304	0.028	0.219	2.39E-27	0.005	0.003	0.117	0.031	117.297	TRUE	4.87E-26
PEF	FXN	cg01984237	rs2498436	G	A	0.179	0.026	0.297	2.30E-12	0.002	0.003	0.599	0.013	49.182	TRUE	5.05E-12
PEF	FXN	cg01984237	rs3793458	A	G	-0.389	0.023	0.421	1.94E-61	-0.004	0.003	0.149	0.069	273.367	TRUE	2.50E-58
PEF	FXN	cg01984237	rs79650993	C	A	0.299	0.053	0.048	1.36E-08	-0.001	0.005	0.811	0.009	32.233	TRUE	1.98E-08
PEF	FXN	cg02268013	rs144362640	A	C	0.237	0.041	0.086	6.97E-09	-0.004	0.004	0.401	0.009	33.526	TRUE	1.48E-08
PEF	FXN	cg02268013	rs79702853	A	G	1.488	0.150	0.013	4.10E-23	0.006	0.009	0.492	0.026	97.987	TRUE	2.22E-22
PEF	FXN	cg13859886	rs2498428	T	A	-0.245	0.026	0.268	1.29E-21	-0.002	0.003	0.500	0.024	91.171	TRUE	6.12E-21
PEF	FXN	cg13974534	rs11144892	G	A	0.261	0.030	0.184	2.18E-18	0.007	0.003	0.038	0.020	76.476	TRUE	2.86E-17
PEF	FXN	cg14656297	rs113196649	A	G	0.237	0.030	0.183	3.10E-15	0.007	0.003	0.038	0.017	62.169	TRUE	2.86E-14
PEF	GAB2	cg07780377	rs10793302	T	C	-0.269	0.032	0.150	8.77E-17	-0.016	0.003	4.79E-06	0.018	69.190	TRUE	7.92E-15
PEF	GAB2	cg12700464	rs202186505	C	T	-0.178	0.032	0.149	3.75E-08	-0.016	0.003	4.20E-06	0.008	30.259	TRUE	6.20E-07
PEF	GAB2	cg13226797	rs2063730	C	A	-0.201	0.031	0.177	4.58E-11	-0.012	0.003	1.42E-04	0.012	43.327	TRUE	8.02E-10
PEF	GAB2	cg13319772	rs901105	C	A	-0.231	0.032	0.154	3.62E-13	-0.016	0.003	2.42E-06	0.014	52.811	TRUE	1.74E-11
PEF	GAB2	cg24769381	rs112250420	A	T	-0.600	0.061	0.072	1.01E-22	-0.008	0.005	0.134	0.025	96.204	TRUE	1.19E-21
PEF	GAB2	cg24769381	rs11237557	C	A	0.298	0.049	0.064	1.66E-09	-0.001	0.005	0.812	0.010	36.317	TRUE	2.54E-09
PEF	GAB2	cg24769381	rs12294627	A	C	-0.937	0.115	0.019	2.86E-16	-0.013	0.010	0.184	0.018	66.863	TRUE	1.57E-15
PEF	GAB2	cg24769381	rs12420296	C	T	-0.141	0.024	0.459	2.46E-09	-0.007	0.003	0.006	0.010	35.554	TRUE	1.73E-08
PEF	GAB2	cg24769381	rs1790246	A	G	-0.205	0.026	0.260	8.64E-15	-0.001	0.003	0.778	0.016	60.151	TRUE	1.80E-14
PEF	GAB2	cg24769381	rs189665771	T	C	-1.350	0.162	0.011	8.42E-17	-0.036	0.012	0.003	0.018	69.270	TRUE	1.93E-15
PEF	GAB2	cg24769381	rs2510044	A	G	-1.261	0.028	0.130	<1E-200	-0.012	0.004	9.10E-04	0.361	2092.313	TRUE	<1E-200
PEF	GAB2	cg24769381	rs542392	A	T	0.175	0.029	0.222	1.11E-09	-0.002	0.003	0.563	0.010	37.094	TRUE	2.11E-09
PEF	GAB2	cg24769381	rs683420	C	T	-0.584	0.089	0.036	6.10E-11	0.001	0.007	0.909	0.011	42.765	TRUE	9.20E-11
PEF	GAB2	cg24769381	rs7125327	T	C	0.324	0.032	0.391	9.95E-24	0.003	0.003	0.232	0.027	100.789	TRUE	9.50E-23
PEF	GAB2	cg24769381	rs74862493	G	T	-0.530	0.040	0.098	1.97E-39	-0.004	0.004	0.318	0.045	172.540	TRUE	7.42E-38
PEF	GAB2	cg24769381	rs75268099	T	C	-1.275	0.090	0.019	6.51E-46	-0.013	0.008	0.115	0.052	202.212	TRUE	1.19E-43
PEF	GAB2	cg24769381	rs977977	T	C	0.217	0.027	0.232	1.62E-15	-0.001	0.003	0.639	0.017	63.448	TRUE	4.10E-15
PEF	GAB2	cg25414537	rs71471414	G	T	-0.433	0.045	0.180	1.49E-21	0.003	0.004	0.372	0.024	90.875	TRUE	8.66E-21
PEF	GAB2	cg25502267	rs2510031	C	T	-0.237	0.032	0.150	2.06E-13	-0.015	0.004	1.34E-05	0.014	53.918	TRUE	7.86E-12
PEF	GAB2	cg26672202	rs117732488	G	A	0.542	0.099	0.015	4.93E-08	-0.013	0.010	0.182	0.008	29.728	TRUE	1.31E-07
PEF	GAB2	cg26672202	rs1385601	C	A	0.886	0.031	0.150	2.14E-179	-0.015	0.004	8.72E-06	0.181	815.206	TRUE	1.84E-160
PEF	GAB2	cg26672202	rs189665771	T	C	1.073	0.163	0.011	4.24E-11	-0.036	0.012	0.003	0.012	43.474	TRUE	4.42E-10

PEF	GAB2	cg26672202	rs7125563	A	G	-0.161	0.026	0.278	5.19E-10	0.000	0.003	0.979	0.010	38.584	TRUE	7.13E-10
PEF	GAB2	cg26672202	rs79023139	C	A	0.329	0.040	0.102	1.27E-16	-0.008	0.004	0.084	0.018	68.463	TRUE	1.02E-15
PEF	GATA4	cg00412675	rs13270069	C	G	-0.161	0.028	0.291	7.79E-09	-0.002	0.003	0.494	0.009	33.308	TRUE	1.50E-08
PEF	GATA4	cg00412675	rs73203490	C	T	0.246	0.045	0.088	4.21E-08	-0.015	0.005	0.001	0.008	30.032	TRUE	3.18E-07
PEF	GATA4	cg01546563	rs11781613	G	T	0.162	0.028	0.267	1.23E-08	-0.009	0.003	0.001	0.009	32.422	TRUE	1.01E-07
PEF	GATA4	cg01546563	rs144176129	A	C	0.632	0.097	0.033	6.36E-11	-0.026	0.008	5.44E-04	0.011	42.684	TRUE	8.69E-10
PEF	GATA4	cg01546563	rs1478898	A	G	-0.175	0.025	0.483	2.91E-12	0.006	0.003	0.026	0.013	48.719	TRUE	2.14E-11
PEF	GATA4	cg01546563	rs61277615	T	C	0.704	0.041	0.103	2.12E-65	-0.014	0.004	0.002	0.073	291.545	TRUE	9.74E-61
PEF	GATA4	cg01546563	rs73207292	C	G	0.498	0.082	0.026	1.41E-09	-0.007	0.008	0.431	0.010	36.633	TRUE	3.05E-09
PEF	GATA4	cg01546563	rs8191514	G	C	0.174	0.029	0.251	1.21E-09	0.001	0.003	0.661	0.010	36.929	TRUE	2.13E-09
PEF	GATA4	cg01644798	rs10751788	C	G	0.190	0.031	0.222	1.16E-09	-0.002	0.003	0.590	0.010	37.019	TRUE	2.14E-09
PEF	GATA4	cg01644798	rs11250097	T	C	-0.138	0.025	0.485	3.51E-08	-0.008	0.003	0.003	0.008	30.384	TRUE	2.39E-07
PEF	GATA4	cg01644798	rs113536727	T	G	-0.225	0.038	0.131	2.73E-09	-0.005	0.004	0.178	0.009	35.350	TRUE	8.09E-09
PEF	GATA4	cg01644798	rs12458	T	A	0.463	0.027	0.298	9.68E-66	0.001	0.003	0.847	0.073	293.103	TRUE	2.85E-63
PEF	GATA4	cg01644798	rs2251937	C	T	0.224	0.033	0.179	1.04E-11	-0.004	0.003	0.184	0.012	46.222	TRUE	3.83E-11
PEF	GATA4	cg01644798	rs2409809	T	C	-0.228	0.027	0.337	9.22E-18	-0.009	0.003	8.53E-04	0.020	73.634	TRUE	3.27E-16
PEF	GATA4	cg01644798	rs7010927	T	C	-0.296	0.033	0.162	1.92E-19	-0.007	0.003	0.021	0.021	81.272	TRUE	3.46E-18
PEF	GATA4	cg01644798	rs804292	G	A	-0.269	0.028	0.263	7.96E-22	0.001	0.003	0.718	0.024	92.119	TRUE	2.77E-21
PEF	GATA4	cg03579045	rs4410868	C	G	-0.223	0.028	0.302	4.91E-16	-0.003	0.003	0.302	0.017	65.797	TRUE	2.07E-15
PEF	GATA4	cg03579045	rs57341427	A	T	0.301	0.045	0.088	2.70E-11	-0.015	0.005	9.47E-04	0.012	44.362	TRUE	3.53E-10
PEF	GATA4	cg04880278	rs35928010	C	T	-0.204	0.025	0.442	9.84E-16	-0.001	0.003	0.615	0.017	64.427	TRUE	2.65E-15
PEF	GATA4	cg06407417	rs3729853	T	C	0.185	0.026	0.365	1.87E-12	0.001	0.003	0.813	0.013	49.592	TRUE	3.30E-12
PEF	GATA4	cg06407417	rs56383707	A	C	0.272	0.045	0.076	2.18E-09	-0.008	0.004	0.057	0.010	35.790	TRUE	9.13E-09
PEF	GATA4	cg06407417	rs67176365	A	G	-0.313	0.037	0.141	2.50E-17	-0.001	0.004	0.696	0.019	71.662	TRUE	6.64E-17
PEF	GATA4	cg12395012	rs10091993	G	A	0.194	0.031	0.204	2.28E-10	0.006	0.003	0.080	0.011	40.186	TRUE	9.92E-10
PEF	GATA4	cg12395012	rs11250153	C	G	-0.348	0.026	0.376	6.38E-41	-0.006	0.003	0.018	0.046	179.356	TRUE	1.84E-38
PEF	GATA4	cg12395012	rs11250172	T	G	0.480	0.025	0.415	2.11E-84	0.010	0.003	1.86E-04	0.093	378.746	TRUE	1.06E-77
PEF	GATA4	cg12395012	rs11781613	G	T	-0.221	0.028	0.267	6.35E-15	-0.009	0.003	0.001	0.016	60.757	TRUE	1.35E-13
PEF	GATA4	cg12395012	rs11992188	A	G	0.270	0.025	0.466	5.48E-27	0.002	0.003	0.465	0.030	115.655	TRUE	4.44E-26
PEF	GATA4	cg12395012	rs1293301	T	C	0.379	0.032	0.187	3.35E-33	0.005	0.003	0.111	0.037	144.038	TRUE	1.31E-31
PEF	GATA4	cg12395012	rs13264774	T	C	-0.525	0.034	0.162	1.94E-53	-0.001	0.003	0.786	0.060	236.695	TRUE	1.29E-51
PEF	GATA4	cg12395012	rs13270069	C	G	-0.183	0.028	0.291	5.23E-11	-0.002	0.003	0.494	0.012	43.068	TRUE	1.16E-10
PEF	GATA4	cg12395012	rs17153454	A	G	0.351	0.030	0.223	2.77E-32	0.009	0.003	0.002	0.036	139.849	TRUE	5.94E-30
PEF	GATA4	cg12395012	rs17796285	C	G	0.256	0.026	0.373	1.70E-23	0.004	0.003	0.114	0.026	99.728	TRUE	2.35E-22
PEF	GATA4	cg12395012	rs2088349	A	G	-0.312	0.027	0.300	4.91E-30	-0.002	0.003	0.379	0.034	129.571	TRUE	5.87E-29
PEF	GATA4	cg12395012	rs2249963	G	A	0.250	0.037	0.447	1.94E-11	0.001	0.003	0.609	0.012	45.010	TRUE	3.91E-11
PEF	GATA4	cg12395012	rs2250412	G	A	-0.311	0.034	0.172	9.15E-20	0.000	0.004	0.934	0.022	82.740	TRUE	2.17E-19
PEF	GATA4	cg12395012	rs2645400	G	T	-0.254	0.027	0.335	5.76E-21	-0.002	0.003	0.527	0.023	88.204	TRUE	2.49E-20
PEF	GATA4	cg12395012	rs3735817	C	T	0.920	0.019	0.486	<1E-200	0.002	0.003	0.440	0.378	2251.154	TRUE	<1E-200
PEF	GATA4	cg12395012	rs4469416	T	G	0.442	0.080	0.024	3.87E-08	-0.015	0.008	0.065	0.008	30.198	TRUE	1.39E-07
PEF	GATA4	cg12395012	rs4568580	C	T	-0.327	0.043	0.099	2.06E-14	-0.002	0.004	0.564	0.016	58.439	TRUE	5.31E-14
PEF	GATA4	cg12395012	rs4840560	A	G	-0.218	0.025	0.441	6.03E-18	-0.004	0.003	0.098	0.020	74.471	TRUE	5.24E-17

PEF	GATA4	cg12395012	rs4841560	A	C	0.242	0.038	0.119	2.82E-10	-0.005	0.004	0.233	0.011	39.772	TRUE	8.42E-10
PEF	GATA4	cg12395012	rs4841660	T	C	-0.320	0.032	0.193	2.45E-23	-0.001	0.003	0.712	0.026	99.007	TRUE	9.82E-23
PEF	GATA4	cg12395012	rs56074708	T	C	0.394	0.048	0.071	3.48E-16	0.001	0.005	0.816	0.018	66.474	TRUE	7.63E-16
PEF	GATA4	cg12395012	rs56183264	C	T	0.368	0.052	0.059	9.56E-13	-0.003	0.005	0.591	0.014	50.905	TRUE	2.15E-12
PEF	GATA4	cg12395012	rs62490931	T	C	-0.325	0.043	0.105	4.12E-14	0.018	0.004	6.20E-06	0.015	57.079	TRUE	2.03E-12
PEF	GATA4	cg12395012	rs62495702	T	C	-0.447	0.071	0.036	2.33E-10	0.007	0.007	0.343	0.011	40.146	TRUE	5.89E-10
PEF	GATA4	cg12395012	rs6601651	C	T	0.294	0.035	0.141	7.00E-17	-0.005	0.004	0.126	0.018	69.634	TRUE	4.76E-16
PEF	GATA4	cg12395012	rs6984388	A	G	0.182	0.026	0.376	3.70E-12	0.006	0.003	0.016	0.013	48.249	TRUE	3.05E-11
PEF	GATA4	cg12395012	rs7003677	C	G	0.246	0.034	0.171	3.94E-13	-0.006	0.003	0.107	0.014	52.642	TRUE	2.03E-12
PEF	GATA4	cg12395012	rs7010927	T	C	0.390	0.033	0.162	9.15E-33	-0.007	0.003	0.021	0.037	142.044	TRUE	8.23E-31
PEF	GATA4	cg12395012	rs7013950	C	T	0.405	0.033	0.159	5.89E-35	0.007	0.003	0.027	0.039	152.064	TRUE	5.92E-33
PEF	GATA4	cg12395012	rs729985	T	G	-0.180	0.031	0.220	9.68E-09	0.001	0.003	0.677	0.009	32.887	TRUE	1.59E-08
PEF	GATA4	cg12395012	rs73201420	T	C	0.353	0.064	0.079	3.80E-08	-0.002	0.005	0.746	0.008	30.231	TRUE	5.72E-08
PEF	GATA4	cg12395012	rs7386288	T	C	0.420	0.029	0.252	1.78E-48	-0.003	0.003	0.334	0.055	213.953	TRUE	1.86E-46
PEF	GATA4	cg12395012	rs76470554	G	A	0.207	0.033	0.166	5.32E-10	0.003	0.003	0.407	0.010	38.537	TRUE	1.21E-09
PEF	GATA4	cg12395012	rs7812486	G	A	-0.184	0.026	0.357	3.26E-12	-0.006	0.003	0.033	0.013	48.501	TRUE	2.24E-11
PEF	GATA4	cg12395012	rs7813668	C	A	0.318	0.027	0.306	1.41E-32	0.002	0.003	0.429	0.037	141.186	TRUE	1.96E-31
PEF	GATA4	cg12395012	rs7814131	G	T	0.200	0.025	0.458	1.14E-15	0.002	0.003	0.414	0.017	64.131	TRUE	3.99E-15
PEF	GATA4	cg12395012	rs7814667	G	A	-0.376	0.064	0.045	3.62E-09	-0.002	0.006	0.701	0.009	34.801	TRUE	5.95E-09
PEF	GATA4	cg12395012	rs7821584	G	T	-0.306	0.054	0.061	1.29E-08	-0.001	0.006	0.891	0.009	32.326	TRUE	1.77E-08
PEF	GATA4	cg12395012	rs7844154	C	G	-0.401	0.027	0.317	4.48E-49	0.000	0.003	0.964	0.055	216.699	TRUE	1.26E-47
PEF	GATA4	cg12395012	rs78892149	G	T	-0.305	0.056	0.055	4.78E-08	-0.001	0.006	0.838	0.008	29.788	TRUE	6.68E-08
PEF	GATA4	cg12395012	rs79258399	G	T	0.225	0.033	0.177	1.58E-11	0.008	0.003	0.017	0.012	45.412	TRUE	1.18E-10
PEF	GATA4	cg12395012	rs79713301	A	G	-0.548	0.059	0.047	1.10E-20	0.009	0.006	0.120	0.023	86.920	TRUE	1.10E-19
PEF	GATA4	cg12395012	rs80086609	A	T	0.700	0.084	0.022	7.34E-17	0.007	0.009	0.392	0.018	69.543	TRUE	2.83E-16
PEF	GATA4	cg12637676	rs13278982	A	G	0.173	0.027	0.350	8.20E-11	-0.002	0.003	0.372	0.011	42.187	TRUE	2.07E-10
PEF	GATA4	cg13293535	rs11250166	A	G	-0.224	0.032	0.206	2.46E-12	-0.002	0.003	0.454	0.013	49.055	TRUE	6.28E-12
PEF	GATA4	cg13293535	rs12675819	T	C	-0.334	0.036	0.146	2.47E-20	-0.001	0.004	0.867	0.023	85.330	TRUE	6.51E-20
PEF	GATA4	cg13293535	rs13252079	G	A	0.182	0.026	0.350	3.00E-12	0.012	0.003	1.00E-05	0.013	48.665	TRUE	9.61E-11
PEF	GATA4	cg13293535	rs17153757	G	A	-0.241	0.040	0.116	2.15E-09	-0.003	0.004	0.507	0.010	35.815	TRUE	4.24E-09
PEF	GATA4	cg13293535	rs17808884	C	A	-0.184	0.032	0.182	1.11E-08	-0.008	0.003	0.013	0.009	32.618	TRUE	6.20E-08
PEF	GATA4	cg13293535	rs2292369	G	A	0.175	0.026	0.407	1.47E-11	0.008	0.003	0.002	0.012	45.548	TRUE	1.66E-10
PEF	GATA4	cg13293535	rs2618448	C	A	0.193	0.033	0.171	4.03E-09	0.002	0.003	0.540	0.009	34.592	TRUE	7.65E-09
PEF	GATA4	cg13293535	rs2686189	C	T	0.196	0.027	0.324	3.83E-13	0.002	0.003	0.454	0.014	52.700	TRUE	1.03E-12
PEF	GATA4	cg13293535	rs28378644	T	C	-0.183	0.028	0.278	9.51E-11	-0.006	0.003	0.053	0.011	41.898	TRUE	4.66E-10
PEF	GATA4	cg13293535	rs35458448	T	G	-0.190	0.027	0.328	1.20E-12	-0.006	0.003	0.022	0.013	50.455	TRUE	9.36E-12
PEF	GATA4	cg13293535	rs35681536	G	A	-0.294	0.051	0.070	9.81E-09	-0.003	0.005	0.552	0.009	32.861	TRUE	1.78E-08
PEF	GATA4	cg13293535	rs35928010	C	T	-0.501	0.025	0.442	9.04E-92	-0.001	0.003	0.615	0.100	412.571	TRUE	3.64E-87
PEF	GATA4	cg13293535	rs3729853	T	C	0.208	0.026	0.365	2.30E-15	0.001	0.003	0.813	0.017	62.753	TRUE	4.78E-15
PEF	GATA4	cg13293535	rs3923921	C	T	0.171	0.029	0.249	3.56E-09	0.002	0.003	0.407	0.009	34.832	TRUE	7.68E-09
PEF	GATA4	cg13293535	rs74842363	C	G	0.184	0.033	0.156	3.20E-08	0.000	0.004	0.997	0.008	30.565	TRUE	4.00E-08
PEF	GATA4	cg13293535	rs75146829	A	G	0.426	0.046	0.083	2.23E-20	-0.016	0.005	0.001	0.023	85.529	TRUE	1.11E-18

PEF	GATA4	cg13293535	rs7813668	C	A	0.152	0.027	0.306	1.77E-08	0.002	0.003	0.429	0.008	31.710	TRUE	3.54E-08
PEF	GATA4	cg13434842	rs73203475	T	C	-0.379	0.048	0.076	2.12E-15	-0.013	0.005	0.007	0.017	62.917	TRUE	3.13E-14
PEF	GATA4	cg15644626	rs3757949	C	G	-0.186	0.030	0.231	5.10E-10	-0.004	0.003	0.159	0.010	38.618	TRUE	1.68E-09
PEF	GATA4	cg15644626	rs804290	A	G	0.238	0.028	0.256	5.24E-17	0.002	0.003	0.460	0.019	70.206	TRUE	1.83E-16
PEF	GATA4	cg16810626	rs10088151	A	C	-0.216	0.036	0.154	1.29E-09	-0.008	0.004	0.025	0.010	36.804	TRUE	6.93E-09
PEF	GATA4	cg16810626	rs10101661	C	T	0.604	0.025	0.370	1.82E-128	-0.003	0.003	0.337	0.136	581.132	TRUE	5.70E-120
PEF	GATA4	cg16810626	rs10435718	T	G	0.312	0.030	0.245	1.01E-25	-0.003	0.003	0.391	0.029	109.872	TRUE	8.25E-25
PEF	GATA4	cg16810626	rs11781613	G	T	0.173	0.028	0.267	1.14E-09	-0.009	0.003	0.001	0.010	37.048	TRUE	1.11E-08
PEF	GATA4	cg16810626	rs11785392	C	T	-0.233	0.027	0.285	7.97E-18	0.001	0.003	0.834	0.020	73.921	TRUE	1.90E-17
PEF	GATA4	cg16810626	rs11990550	A	G	-0.210	0.028	0.284	3.28E-14	0.008	0.003	0.003	0.015	57.528	TRUE	5.24E-13
PEF	GATA4	cg16810626	rs12544625	G	A	0.155	0.025	0.490	1.06E-09	-0.008	0.003	8.86E-04	0.010	37.183	TRUE	1.14E-08
PEF	GATA4	cg16810626	rs12675515	A	G	-0.242	0.029	0.245	4.22E-17	0.007	0.003	0.016	0.019	70.635	TRUE	6.20E-16
PEF	GATA4	cg16810626	rs13271220	A	T	-0.288	0.025	0.380	1.72E-30	0.011	0.003	2.99E-05	0.034	131.650	TRUE	9.48E-28
PEF	GATA4	cg16810626	rs17807945	T	C	-0.202	0.032	0.189	2.47E-10	0.007	0.003	0.037	0.011	40.029	TRUE	1.31E-09
PEF	GATA4	cg16810626	rs17808884	C	A	0.247	0.032	0.182	1.51E-14	-0.008	0.003	0.013	0.016	59.058	TRUE	1.79E-13
PEF	GATA4	cg16810626	rs2246521	A	C	-0.187	0.034	0.170	4.35E-08	0.007	0.003	0.052	0.008	29.970	TRUE	1.65E-07
PEF	GATA4	cg16810626	rs2645405	A	G	0.189	0.027	0.358	1.24E-12	0.001	0.003	0.741	0.013	50.398	TRUE	2.38E-12
PEF	GATA4	cg16810626	rs2645450	C	T	0.234	0.030	0.236	9.29E-15	-0.001	0.003	0.631	0.016	60.009	TRUE	2.25E-14
PEF	GATA4	cg16810626	rs2736332	C	G	0.282	0.028	0.283	3.74E-23	-0.005	0.003	0.094	0.026	98.171	TRUE	5.71E-22
PEF	GATA4	cg16810626	rs28378644	T	C	0.170	0.028	0.278	1.72E-09	-0.006	0.003	0.053	0.010	36.247	TRUE	7.35E-09
PEF	GATA4	cg16810626	rs6601592	G	C	0.232	0.037	0.142	2.49E-10	-0.006	0.004	0.120	0.011	40.016	TRUE	9.34E-10
PEF	GATA4	cg16810626	rs73205327	A	C	-0.193	0.029	0.241	2.55E-11	0.002	0.003	0.458	0.012	44.473	TRUE	6.00E-11
PEF	GATA4	cg16810626	rs7820492	A	G	-0.175	0.026	0.442	7.44E-12	0.007	0.003	0.006	0.013	46.883	TRUE	7.11E-11
PEF	GATA4	cg16810626	rs7844834	A	C	-0.220	0.027	0.307	1.43E-16	0.008	0.003	0.004	0.018	68.221	TRUE	2.97E-15
PEF	GATA4	cg16810626	rs804279	A	T	-0.281	0.028	0.276	9.46E-24	0.003	0.003	0.229	0.027	100.891	TRUE	8.86E-23
PEF	GATA4	cg16810626	rs8191642	G	A	-0.235	0.031	0.198	3.96E-14	0.004	0.003	0.225	0.015	57.157	TRUE	1.67E-13
PEF	GATA4	cg16816874	rs4410868	C	G	-0.263	0.027	0.302	9.94E-22	-0.003	0.003	0.302	0.024	91.679	TRUE	6.77E-21
PEF	GATA4	cg16816874	rs73203490	C	T	0.260	0.045	0.088	7.56E-09	-0.015	0.005	0.001	0.009	33.368	TRUE	6.46E-08
PEF	GATA4	cg18127003	rs67176365	A	G	-0.416	0.037	0.141	1.20E-29	-0.001	0.004	0.696	0.033	127.799	TRUE	7.96E-29
PEF	GATA4	cg18127003	rs7006733	G	A	0.198	0.026	0.357	2.06E-14	0.002	0.003	0.359	0.016	58.439	TRUE	6.99E-14
PEF	GATA4	cg18283386	rs34888744	A	G	0.328	0.041	0.108	1.52E-15	-0.013	0.004	0.003	0.017	63.574	TRUE	2.99E-14
PEF	GATA4	cg19172575	rs4631422	A	G	-0.161	0.026	0.404	4.80E-10	-0.006	0.003	0.023	0.010	38.738	TRUE	2.75E-09
PEF	GATA4	cg19172575	rs77480632	A	C	-0.412	0.043	0.100	3.25E-22	-0.015	0.004	8.56E-04	0.025	93.890	TRUE	2.24E-20
PEF	GATA4	cg22320962	rs117165277	T	C	0.411	0.074	0.029	2.54E-08	0.013	0.008	0.104	0.008	31.014	TRUE	8.19E-08
PEF	GATA4	cg23916205	rs1043180	T	C	-0.312	0.042	0.099	6.57E-14	-0.004	0.004	0.289	0.015	56.164	TRUE	2.36E-13
PEF	GATA4	cg23916205	rs111358481	T	C	0.306	0.046	0.077	4.59E-11	0.008	0.005	0.090	0.012	43.321	TRUE	2.03E-10
PEF	GATA4	cg23916205	rs11250153	C	G	-0.205	0.026	0.376	5.34E-15	-0.006	0.003	0.018	0.016	61.098	TRUE	6.04E-14
PEF	GATA4	cg23916205	rs1293288	T	C	0.151	0.026	0.426	3.55E-09	-0.004	0.003	0.103	0.009	34.839	TRUE	1.25E-08
PEF	GATA4	cg23916205	rs139736418	C	T	-0.411	0.044	0.098	2.07E-20	-0.001	0.005	0.765	0.023	85.679	TRUE	6.19E-20
PEF	GATA4	cg23916205	rs1736062	A	G	0.167	0.031	0.211	4.82E-08	0.004	0.003	0.161	0.008	29.771	TRUE	1.33E-07
PEF	GATA4	cg23916205	rs2645445	T	A	0.350	0.037	0.128	8.39E-21	-0.003	0.004	0.464	0.023	87.462	TRUE	3.89E-20
PEF	GATA4	cg23916205	rs2740431	T	A	0.378	0.050	0.065	3.62E-14	-0.009	0.005	0.066	0.015	57.334	TRUE	2.44E-13

PEF	GATA4	cg23916205	rs28680779	C	A	0.207	0.033	0.180	2.15E-10	-0.002	0.003	0.516	0.011	40.308	TRUE	4.45E-10
PEF	GATA4	cg23916205	rs34905783	G	C	0.156	0.028	0.258	3.73E-08	0.013	0.003	6.35E-06	0.008	30.269	TRUE	5.92E-07
PEF	GATA4	cg23916205	rs7350124	C	T	0.159	0.027	0.308	5.84E-09	0.001	0.003	0.660	0.009	33.868	TRUE	9.84E-09
PEF	GATA4	cg23916205	rs7386288	T	C	0.253	0.029	0.252	3.27E-18	-0.003	0.003	0.334	0.020	75.680	TRUE	1.55E-17
PEF	GATA4	cg23916205	rs745379	G	A	0.545	0.024	0.495	5.86E-110	0.001	0.003	0.754	0.118	496.104	TRUE	5.87E-104
PEF	GATA4	cg23916205	rs9329248	A	C	-0.239	0.034	0.167	2.98E-12	-0.001	0.003	0.793	0.013	48.672	TRUE	5.34E-12
PEF	GATA4	cg23916205	rs9657551	G	A	-0.191	0.027	0.358	7.42E-13	-0.007	0.003	0.007	0.014	51.402	TRUE	8.16E-12
PEF	GATA4	cg23972785	rs10086500	G	A	-0.412	0.036	0.408	2.06E-30	-0.006	0.003	0.013	0.034	131.293	TRUE	1.64E-28
PEF	GATA4	cg23972785	rs10103062	G	A	0.249	0.041	0.280	1.04E-09	0.004	0.003	0.248	0.010	37.232	TRUE	2.81E-09
PEF	GATA4	cg23972785	rs10110559	C	T	0.284	0.042	0.271	1.27E-11	0.005	0.003	0.089	0.012	45.839	TRUE	6.02E-11
PEF	GATA4	cg23972785	rs11995270	C	G	0.232	0.040	0.320	4.87E-09	-0.003	0.003	0.266	0.009	34.224	TRUE	1.23E-08
PEF	GATA4	cg23972785	rs12156238	C	G	0.270	0.048	0.179	2.18E-08	-0.001	0.003	0.777	0.008	31.308	TRUE	3.22E-08
PEF	GATA4	cg23972785	rs17153607	G	A	0.244	0.043	0.233	1.33E-08	0.001	0.003	0.866	0.009	32.265	TRUE	1.86E-08
PEF	GATA4	cg23972785	rs2250415	T	C	0.268	0.037	0.436	5.85E-13	0.003	0.003	0.273	0.014	51.868	TRUE	1.99E-12
PEF	GATA4	cg23972785	rs2898249	T	C	-0.296	0.041	0.274	4.40E-13	-0.004	0.003	0.180	0.014	52.429	TRUE	1.86E-12
PEF	GATA4	cg23972785	rs35315747	A	C	-0.244	0.039	0.336	3.14E-10	0.000	0.003	0.983	0.011	39.564	TRUE	4.35E-10
PEF	GATA4	cg23972785	rs7831946	C	G	0.396	0.068	0.079	6.49E-09	0.010	0.005	0.054	0.009	33.664	TRUE	2.67E-08
PEF	GATA4	cg24387126	rs11780364	A	G	0.221	0.031	0.220	1.61E-12	-0.002	0.003	0.590	0.013	49.878	TRUE	3.56E-12
PEF	GATA4	cg24387126	rs12458	T	A	0.541	0.027	0.298	9.79E-91	0.001	0.003	0.847	0.099	407.818	TRUE	1.65E-86
PEF	GATA4	cg24387126	rs1293308	C	G	0.554	0.071	0.031	7.20E-15	0.009	0.007	0.211	0.016	60.509	TRUE	3.27E-14
PEF	GATA4	cg24387126	rs2251937	C	T	0.294	0.033	0.179	3.56E-19	-0.004	0.003	0.184	0.021	80.057	TRUE	2.55E-18
PEF	GATA4	cg24387126	rs2256091	A	T	-0.165	0.030	0.227	3.19E-08	-0.002	0.003	0.590	0.008	30.569	TRUE	5.38E-08
PEF	GATA4	cg24387126	rs2409809	T	C	-0.234	0.027	0.337	1.19E-18	-0.009	0.003	8.53E-04	0.021	77.680	TRUE	4.77E-17
PEF	GATA4	cg24387126	rs7010927	T	C	-0.306	0.033	0.162	1.01E-20	-0.007	0.003	0.021	0.023	87.101	TRUE	2.10E-19
PEF	GATA4	cg24387126	rs71518543	C	T	0.153	0.026	0.395	2.51E-09	0.010	0.003	1.92E-04	0.010	35.513	TRUE	3.07E-08
PEF	GATA4	cg24387126	rs804292	G	A	-0.323	0.028	0.263	4.86E-31	0.001	0.003	0.718	0.035	134.159	TRUE	3.50E-30
PEF	GATA4	cg26020513	rs13267318	T	C	0.290	0.028	0.295	1.33E-25	-0.002	0.003	0.393	0.029	109.329	TRUE	1.06E-24
PEF	GATA4	cg26020513	rs1809357	T	C	-0.150	0.026	0.383	4.72E-09	0.007	0.003	0.006	0.009	34.283	TRUE	3.22E-08
PEF	GBA	cg02834765	rs2072647	A	C	-0.227	0.027	0.251	4.90E-17	-0.010	0.003	3.79E-04	0.019	70.338	TRUE	1.88E-15
PEF	GBA	cg02834765	rs35154152	C	T	-0.237	0.039	0.106	7.96E-10	-0.021	0.004	1.77E-07	0.010	37.749	TRUE	2.62E-08
PEF	GDNF	cg00712841	rs115383385	T	C	-0.588	0.093	0.018	3.06E-10	-0.009	0.009	0.345	0.011	39.616	TRUE	7.69E-10
PEF	GDNF	cg00712841	rs4533915	A	G	-0.168	0.030	0.194	1.91E-08	0.004	0.003	0.202	0.008	31.569	TRUE	5.09E-08
PEF	GDNF	cg00712841	rs45455796	C	T	-0.769	0.076	0.028	2.31E-24	0.003	0.007	0.697	0.027	103.682	TRUE	1.02E-23
PEF	GDNF	cg02331025	rs2910700	T	C	-0.301	0.043	0.086	2.43E-12	-0.008	0.005	0.072	0.013	49.078	TRUE	1.32E-11
PEF	GDNF	cg05330056	rs3096140	G	A	-0.201	0.025	0.321	1.82E-15	0.000	0.003	0.881	0.017	63.219	TRUE	3.54E-15
PEF	GDNF	cg07309340	rs2910704	G	C	-0.144	0.025	0.322	1.03E-08	-0.010	0.003	1.61E-04	0.009	32.775	TRUE	1.18E-07
PEF	GDNF	cg08307469	rs45455796	C	T	-0.546	0.076	0.028	5.63E-13	0.003	0.007	0.697	0.014	51.945	TRUE	1.15E-12
PEF	GDNF	cg17383727	rs80198467	C	T	-0.387	0.069	0.034	1.98E-08	0.003	0.007	0.724	0.008	31.496	TRUE	3.09E-08
PEF	GDNF	cg19622474	rs77210937	G	C	-0.399	0.069	0.034	5.94E-09	0.004	0.007	0.565	0.009	33.835	TRUE	1.08E-08
PEF	GDNF	cg23400942	rs74843650	T	C	-0.431	0.069	0.033	3.29E-10	0.002	0.007	0.823	0.011	39.470	TRUE	5.14E-10
PEF	GDNF	cg24813562	rs1019495	T	A	0.173	0.025	0.333	3.19E-12	-0.007	0.003	0.012	0.013	48.541	TRUE	2.76E-11
PEF	GDNF	cg24813562	rs3812047	T	C	0.469	0.033	0.142	1.27E-44	-0.010	0.004	0.009	0.050	196.302	TRUE	8.25E-42

PEF	GDNF	cg26559974	rs10941367	A	G	-0.131	0.023	0.476	2.04E-08	0.000	0.003	0.895	0.008	31.443	TRUE	2.75E-08
PEF	GDNF	cg26559974	rs115383385	T	C	-0.541	0.092	0.018	4.63E-09	-0.009	0.009	0.345	0.009	34.320	TRUE	1.07E-08
PEF	GDNF	cg26559974	rs11740052	T	C	0.310	0.039	0.101	2.21E-15	-0.016	0.004	1.88E-04	0.017	62.830	TRUE	7.40E-14
PEF	GDNF	cg26559974	rs80198467	C	T	-0.557	0.069	0.034	5.71E-16	0.003	0.007	0.724	0.017	65.498	TRUE	1.37E-15
PEF	GFAP	cg02407342	rs8067029	G	T	-0.258	0.037	0.116	2.66E-12	-0.017	0.004	1.77E-05	0.013	48.900	TRUE	8.39E-11
PEF	GFAP	cg07167554	rs2289674	G	A	0.157	0.029	0.202	3.71E-08	0.002	0.003	0.552	0.008	30.278	TRUE	6.54E-08
PEF	GFAP	cg07918341	rs17546654	A	G	-0.224	0.034	0.151	3.95E-11	0.011	0.004	0.002	0.012	43.613	TRUE	4.20E-10
PEF	GFAP	cg10855825	rs8067029	G	T	-0.261	0.036	0.116	7.90E-13	-0.017	0.004	1.77E-05	0.014	51.280	TRUE	2.75E-11
PEF	GFAP	cg16343401	rs117250203	T	G	-0.693	0.113	0.012	8.18E-10	-0.014	0.012	0.256	0.010	37.696	TRUE	2.25E-09
PEF	GFAP	cg16343401	rs12150247	G	C	0.224	0.041	0.083	4.73E-08	0.010	0.005	0.028	0.008	29.808	TRUE	2.03E-07
PEF	GFAP	cg16343401	rs12602860	T	C	0.184	0.026	0.306	6.37E-13	0.004	0.003	0.167	0.014	51.702	TRUE	2.65E-12
PEF	GFAP	cg16343401	rs12944434	G	A	0.180	0.024	0.497	1.76E-14	0.002	0.003	0.392	0.016	58.752	TRUE	5.80E-14
PEF	GFAP	cg16343401	rs143814916	C	A	-0.424	0.067	0.031	2.47E-10	-0.001	0.008	0.946	0.011	40.034	TRUE	3.50E-10
PEF	GFAP	cg16343401	rs144535065	A	G	-0.367	0.057	0.039	1.65E-10	0.001	0.006	0.849	0.011	40.820	TRUE	2.58E-10
PEF	GFAP	cg16343401	rs144647217	A	G	-0.251	0.034	0.135	1.54E-13	0.001	0.004	0.867	0.015	54.492	TRUE	2.73E-13
PEF	GFAP	cg16343401	rs2070935	T	G	-0.370	0.024	0.420	4.25E-54	-0.006	0.003	0.024	0.061	239.715	TRUE	6.60E-51
PEF	GFAP	cg16343401	rs2289681	T	C	0.527	0.034	0.128	5.53E-54	0.007	0.004	0.060	0.061	239.190	TRUE	4.99E-51
PEF	GFAP	cg16343401	rs4792948	T	C	-0.256	0.038	0.116	2.64E-11	-0.006	0.004	0.136	0.012	44.403	TRUE	1.02E-10
PEF	GFAP	cg16343401	rs6503401	C	G	0.145	0.024	0.406	1.41E-09	0.002	0.003	0.513	0.010	36.635	TRUE	2.81E-09
PEF	GFAP	cg16343401	rs6503409	T	C	0.211	0.025	0.349	9.50E-18	0.009	0.003	8.00E-04	0.020	73.574	TRUE	3.51E-16
PEF	GFAP	cg16343401	rs713101	A	G	0.229	0.023	0.436	1.61E-22	0.006	0.003	0.021	0.025	95.278	TRUE	3.98E-21
PEF	GFAP	cg16343401	rs72826852	A	G	-0.266	0.037	0.121	5.07E-13	0.001	0.004	0.897	0.014	52.151	TRUE	8.54E-13
PEF	GFAP	cg16343401	rs79588955	C	G	-0.409	0.039	0.096	1.56E-25	-0.010	0.004	0.025	0.029	109.015	TRUE	5.30E-24
PEF	GFAP	cg16343401	rs8067029	G	T	-0.769	0.036	0.116	5.08E-101	-0.017	0.004	1.77E-05	0.110	455.050	TRUE	4.02E-92
PEF	GFAP	cg17265120	rs8073674	C	A	0.209	0.037	0.116	1.66E-08	-0.005	0.004	0.251	0.009	31.840	TRUE	4.12E-08
PEF	GFAP	cg18208742	rs76566528	A	G	-0.211	0.033	0.156	1.45E-10	0.010	0.004	0.007	0.011	41.070	TRUE	1.18E-09
PEF	GFAP	cg20911989	rs112023302	A	G	0.232	0.038	0.102	8.48E-10	0.005	0.004	0.254	0.010	37.625	TRUE	2.35E-09
PEF	GFAP	cg20911989	rs11657244	T	C	-0.195	0.034	0.143	7.80E-09	-0.003	0.004	0.426	0.009	33.307	TRUE	1.62E-08
PEF	GFAP	cg20911989	rs12449792	T	C	0.204	0.024	0.448	4.24E-18	-0.003	0.003	0.310	0.020	75.165	TRUE	2.05E-17
PEF	GFAP	cg20911989	rs12602860	T	C	0.155	0.026	0.306	1.19E-09	0.004	0.003	0.167	0.010	36.974	TRUE	3.69E-09
PEF	GFAP	cg20911989	rs2070935	T	G	-0.309	0.024	0.420	5.73E-38	-0.006	0.003	0.024	0.043	165.842	TRUE	9.09E-36
PEF	GFAP	cg20911989	rs2289681	T	C	0.500	0.034	0.128	1.37E-48	0.007	0.004	0.060	0.055	214.466	TRUE	5.72E-46
PEF	GFAP	cg20911989	rs56908739	T	C	-0.597	0.037	0.114	1.72E-59	-0.017	0.004	1.00E-05	0.067	264.439	TRUE	2.28E-54
PEF	GFAP	cg20911989	rs6503409	T	C	0.170	0.025	0.349	4.54E-12	0.009	0.003	8.00E-04	0.013	47.852	TRUE	7.19E-11
PEF	GFAP	cg20911989	rs7217422	C	G	-0.226	0.033	0.161	4.35E-12	-0.002	0.004	0.667	0.013	47.932	TRUE	8.69E-12
PEF	GFAP	cg20911989	rs72826870	C	G	-0.220	0.037	0.119	3.13E-09	0.000	0.004	0.987	0.009	35.082	TRUE	4.13E-09
PEF	GFAP	cg20911989	rs73309596	T	C	-0.387	0.046	0.068	8.64E-17	-0.013	0.005	0.013	0.018	69.220	TRUE	1.33E-15
PEF	GFAP	cg21601845	rs2070935	T	G	-0.152	0.024	0.420	1.78E-10	-0.006	0.003	0.024	0.011	40.670	TRUE	1.05E-09
PEF	GFAP	cg23016243	rs144535065	A	G	0.400	0.057	0.039	2.79E-12	0.001	0.006	0.849	0.013	48.806	TRUE	4.76E-12
PEF	GFAP	cg23016243	rs67419793	G	T	0.532	0.037	0.114	1.54E-47	-0.017	0.004	1.00E-05	0.054	209.657	TRUE	2.26E-43
PEF	GFAP	cg23016243	rs7207047	A	G	0.133	0.024	0.395	3.57E-08	-0.006	0.003	0.014	0.008	30.353	TRUE	1.77E-07
PEF	GFAP	cg23016243	rs72824797	T	C	0.186	0.032	0.156	5.60E-09	-0.008	0.003	0.025	0.009	33.951	TRUE	2.76E-08

PEF	GFAP	cg23016243	rs758020	C	A	-0.243	0.038	0.112	2.40E-10	-0.006	0.004	0.144	0.011	40.088	TRUE	8.51E-10
PEF	GFAP	cg23242944	rs744281	A	G	-0.137	0.024	0.407	1.11E-08	0.000	0.003	0.962	0.009	32.613	TRUE	1.45E-08
PEF	GFRAL	cg11823729	rs11751755	A	G	0.337	0.059	0.036	1.41E-08	0.007	0.007	0.330	0.009	32.161	TRUE	3.16E-08
PEF	GFRAL	cg11823729	rs12199003	T	C	0.377	0.025	0.339	4.75E-53	0.006	0.003	0.021	0.060	234.913	TRUE	7.07E-50
PEF	GFRAL	cg15756928	rs1032772	A	C	0.332	0.034	0.134	1.95E-22	0.005	0.004	0.204	0.025	94.900	TRUE	1.78E-21
PEF	GFRAL	cg15756928	rs114464137	G	A	0.244	0.043	0.083	1.41E-08	0.005	0.005	0.237	0.009	32.151	TRUE	3.58E-08
PEF	GFRAL	cg15756928	rs12199003	T	C	0.182	0.024	0.339	9.52E-14	0.006	0.003	0.021	0.015	55.433	TRUE	8.75E-13
PEF	GFRAL	cg15756928	rs6900273	T	C	0.598	0.025	0.259	2.46E-122	0.006	0.003	0.044	0.130	552.962	TRUE	1.98E-113
PEF	GFRAL	cg15756928	rs76786858	G	A	0.527	0.070	0.024	4.06E-14	0.012	0.008	0.119	0.015	57.108	TRUE	2.18E-13
PEF	GFRAL	cg15756928	rs77296727	G	A	0.360	0.062	0.033	7.55E-09	0.009	0.007	0.200	0.009	33.371	TRUE	2.09E-08
PEF	GFRAL	cg15756928	rs7739215	T	A	-0.258	0.024	0.333	6.20E-27	-0.004	0.003	0.108	0.030	115.411	TRUE	1.27E-25
PEF	GFRAL	cg15756928	rs77864076	A	G	0.534	0.094	0.015	1.32E-08	0.012	0.012	0.333	0.009	32.278	TRUE	2.98E-08
PEF	GFRAL	cg15756928	rs9357870	T	C	0.178	0.023	0.449	1.43E-14	0.006	0.003	0.019	0.016	59.154	TRUE	1.47E-13
PEF	GFRAL	cg23978358	rs12199003	T	C	0.235	0.025	0.339	1.90E-21	0.006	0.003	0.021	0.024	90.400	TRUE	4.29E-20
PEF	GGA1	cg04984879	rs7285814	A	G	0.270	0.031	0.165	3.91E-18	-0.006	0.003	0.075	0.020	75.327	TRUE	3.83E-17
PEF	GGA1	cg07064364	rs761336	C	A	-0.160	0.023	0.480	3.02E-12	-0.004	0.003	0.094	0.013	48.652	TRUE	1.49E-11
PEF	GGA1	cg21268578	rs12710562	G	A	-0.208	0.032	0.164	4.10E-11	0.010	0.003	0.001	0.012	43.541	TRUE	4.80E-10
PEF	GGCT	cg12773030	rs255125	A	G	0.167	0.025	0.333	1.02E-11	-0.003	0.003	0.290	0.012	46.267	TRUE	3.13E-11
PEF	GGCT	cg21491201	rs2906766	C	T	0.204	0.025	0.311	1.00E-15	-0.006	0.003	0.044	0.017	64.395	TRUE	9.31E-15
PEF	GGCT	cg21491201	rs38486	T	C	0.293	0.028	0.231	1.10E-25	0.001	0.003	0.808	0.029	109.718	TRUE	4.52E-25
PEF	GGCT	cg23780937	rs38415	G	C	0.178	0.028	0.232	1.55E-10	0.000	0.003	0.890	0.011	40.945	TRUE	2.32E-10
PEF	GLS	cg03661409	rs1546646	A	G	0.162	0.024	0.383	2.63E-11	-0.015	0.003	8.39E-09	0.012	44.413	TRUE	1.65E-09
PEF	GLS	cg21497043	rs11894425	C	T	-0.261	0.023	0.408	1.10E-29	-0.017	0.003	2.74E-11	0.033	127.973	TRUE	7.77E-26
PEF	GNAI2	cg17641710	rs41291724	G	C	-0.341	0.041	0.089	5.95E-17	-0.010	0.004	0.025	0.019	69.954	TRUE	7.33E-16
PEF	GNAI3	cg08644463	rs11101980	G	T	0.228	0.024	0.394	2.22E-21	-0.001	0.003	0.717	0.024	90.094	TRUE	7.49E-21
PEF	GNAI3	cg08644463	rs1149177	G	A	-0.166	0.024	0.481	2.02E-12	-0.001	0.003	0.736	0.013	49.433	TRUE	3.81E-12
PEF	GNAI3	cg08644463	rs115455243	C	T	-0.642	0.089	0.021	4.67E-13	-0.021	0.009	0.016	0.014	52.311	TRUE	4.25E-12
PEF	GNAI3	cg08644463	rs2282292	C	G	-0.323	0.034	0.137	6.55E-21	-0.010	0.004	0.010	0.023	87.950	TRUE	1.78E-19
PEF	GNAI3	cg08644463	rs2483920	T	G	0.227	0.036	0.125	1.90E-10	0.000	0.004	0.981	0.011	40.549	TRUE	2.63E-10
PEF	GNAI3	cg08644463	rs4571992	T	G	-0.245	0.026	0.258	2.05E-20	-0.006	0.003	0.038	0.023	85.699	TRUE	3.28E-19
PEF	GNAI3	cg08644463	rs6692804	A	G	-0.893	0.026	0.183	9.00E-259	-0.008	0.003	0.015	0.242	1180.180	TRUE	3.42E-229
PEF	GNAI3	cg08644463	rs72703284	T	C	-0.666	0.074	0.030	1.91E-19	-0.005	0.007	0.508	0.022	81.288	TRUE	7.57E-19
PEF	GNAI3	cg17861481	rs17024249	G	T	-0.505	0.073	0.023	6.31E-12	-0.013	0.008	0.111	0.013	47.205	TRUE	2.85E-11
PEF	GPSM1	cg03607179	rs3812554	T	C	0.274	0.043	0.100	1.23E-10	0.001	0.004	0.856	0.011	41.400	TRUE	1.90E-10
PEF	GPSM1	cg07324381	rs140876101	A	G	0.480	0.082	0.047	3.97E-09	0.011	0.008	0.152	0.009	34.618	TRUE	1.23E-08
PEF	GPSM1	cg07324381	rs4074592	A	G	0.315	0.035	0.406	3.21E-19	-0.001	0.003	0.585	0.021	80.261	TRUE	1.12E-18
PEF	GPSM1	cg13683534	rs11145889	G	A	0.322	0.027	0.267	2.48E-33	-0.013	0.003	1.15E-05	0.038	144.633	TRUE	2.85E-30
PEF	GPSM1	cg13683534	rs549853032	T	C	-0.532	0.065	0.037	3.83E-16	-0.015	0.007	0.050	0.018	66.287	TRUE	3.50E-15
PEF	GPSM1	cg13731504	rs34940359	T	G	1.035	0.102	0.026	4.56E-24	0.008	0.008	0.288	0.027	102.334	TRUE	3.94E-23
PEF	GPSM1	cg13782380	rs75472867	C	G	-0.638	0.066	0.036	4.11E-22	-0.014	0.007	0.050	0.025	93.424	TRUE	7.07E-21
PEF	GPSM1	cg13792579	rs3812561	A	G	1.432	0.065	0.036	7.04E-108	-0.014	0.007	0.064	0.116	486.547	TRUE	1.33E-100
PEF	GPSM1	cg13792579	rs4298601	C	G	0.169	0.026	0.316	5.45E-11	-0.013	0.003	2.67E-06	0.011	42.984	TRUE	1.64E-09

PEF	GPSM1	cg13799504	rs11145922	A	G	0.379	0.037	0.145	8.27E-25	-0.003	0.004	0.365	0.028	105.715	TRUE	6.36E-24
PEF	GPSM1	cg13799504	rs112316758	A	G	-0.936	0.135	0.017	3.89E-12	-0.006	0.010	0.583	0.013	48.151	TRUE	8.50E-12
PEF	GPSM1	cg13799504	rs11574905	A	G	-0.620	0.078	0.039	2.65E-15	-0.019	0.006	0.002	0.017	62.477	TRUE	5.26E-14
PEF	GPSM1	cg13799504	rs12552575	T	C	-0.920	0.143	0.015	1.12E-10	-0.003	0.009	0.748	0.011	41.577	TRUE	1.92E-10
PEF	GPSM1	cg13799504	rs144372917	A	C	-1.051	0.157	0.012	2.13E-11	-0.005	0.011	0.641	0.012	44.823	TRUE	4.20E-11
PEF	GPSM1	cg13799504	rs2229974	G	A	-0.181	0.024	0.433	5.06E-14	-0.006	0.003	0.020	0.015	56.674	TRUE	4.81E-13
PEF	GPSM1	cg13799504	rs3829109	A	G	-0.861	0.026	0.284	1.43E-243	-0.011	0.003	1.52E-04	0.231	1110.273	TRUE	1.02E-214
PEF	GPSM1	cg13799504	rs4265307	T	C	-0.172	0.027	0.277	1.29E-10	0.000	0.003	0.977	0.011	41.295	TRUE	1.82E-10
PEF	GPSM1	cg13799504	rs45459100	A	G	0.286	0.051	0.056	1.93E-08	0.004	0.005	0.496	0.008	31.550	TRUE	3.63E-08
PEF	GPSM1	cg13799504	rs6563	G	A	-0.203	0.030	0.496	6.41E-12	-0.007	0.003	0.009	0.013	47.174	TRUE	5.96E-11
PEF	GPSM1	cg13905053	rs3812554	T	C	0.383	0.042	0.100	2.04E-19	0.001	0.004	0.856	0.021	81.161	TRUE	5.13E-19
PEF	GPSM1	cg14040131	rs11145937	A	G	0.960	0.040	0.108	2.21E-128	0.000	0.004	0.950	0.136	580.742	TRUE	8.04E-121
PEF	GPSM1	cg14040131	rs7851507	T	G	0.238	0.024	0.439	2.90E-23	-0.009	0.003	8.13E-04	0.026	98.669	TRUE	2.41E-21
PEF	GPSM1	cg14164080	rs4418446	A	G	0.251	0.027	0.263	1.42E-20	-0.011	0.003	1.13E-04	0.023	86.416	TRUE	1.31E-18
PEF	GPSM1	cg14164080	rs76179734	T	G	-0.198	0.029	0.201	1.19E-11	-0.003	0.003	0.343	0.012	45.969	TRUE	3.37E-11
PEF	GPSM1	cg14213590	rs10870125	T	C	0.686	0.036	0.144	2.91E-80	-0.003	0.004	0.416	0.089	359.741	TRUE	2.60E-76
PEF	GPSM1	cg14213590	rs150732334	A	G	0.861	0.133	0.015	1.13E-10	-0.010	0.010	0.277	0.011	41.556	TRUE	3.22E-10
PEF	GPSM1	cg14213590	rs3124994	A	G	-0.225	0.031	0.371	6.19E-13	0.008	0.003	0.002	0.014	51.759	TRUE	8.74E-12
PEF	GPSM1	cg14213590	rs34242208	T	G	0.648	0.104	0.029	4.26E-10	0.002	0.007	0.737	0.010	38.968	TRUE	7.15E-10
PEF	GPSM1	cg14213590	rs4077029	C	T	-0.145	0.024	0.488	9.62E-10	0.001	0.003	0.858	0.010	37.381	TRUE	1.45E-09
PEF	GPSM1	cg14271150	rs35774078	A	G	-0.482	0.075	0.024	1.59E-10	-0.018	0.008	0.023	0.011	40.889	TRUE	9.67E-10
PEF	GPSM1	cg14271150	rs79796915	A	G	-0.405	0.067	0.036	1.73E-09	-0.014	0.007	0.056	0.010	36.236	TRUE	7.43E-09
PEF	GPSM1	cg14350257	rs35774078	A	G	-0.660	0.074	0.024	6.04E-19	-0.018	0.008	0.023	0.021	79.013	TRUE	9.82E-18
PEF	GPSM1	cg14479136	rs4320648	A	G	-0.160	0.027	0.269	2.59E-09	-0.013	0.003	1.34E-05	0.009	35.449	TRUE	4.64E-08
PEF	GPSM1	cg21195231	rs1128905	T	C	-0.485	0.023	0.489	1.94E-99	0.010	0.003	5.92E-05	0.108	447.781	TRUE	5.70E-91
PEF	GPSM1	cg21195231	rs113077382	T	C	-0.305	0.053	0.051	1.07E-08	0.001	0.006	0.854	0.009	32.699	TRUE	1.51E-08
PEF	GPSM1	cg21195231	rs1139057	T	C	-0.229	0.040	0.203	1.35E-08	0.006	0.003	0.041	0.009	32.244	TRUE	5.63E-08
PEF	GPSM1	cg21195231	rs2229974	G	A	0.189	0.024	0.433	2.85E-15	-0.006	0.003	0.020	0.017	62.333	TRUE	3.13E-14
PEF	GPSM1	cg21195231	rs35288226	A	G	0.163	0.024	0.347	2.61E-11	-0.009	0.003	8.26E-04	0.012	44.427	TRUE	3.55E-10
PEF	GPSM1	cg21195231	rs3812554	T	C	0.348	0.043	0.100	2.54E-16	0.001	0.004	0.856	0.018	67.094	TRUE	5.32E-16
PEF	GPSM1	cg24336398	rs10870125	T	C	0.529	0.037	0.144	1.24E-47	-0.003	0.004	0.416	0.054	210.086	TRUE	9.24E-46
PEF	GPSM1	cg24336398	rs184353876	T	C	0.599	0.105	0.028	1.15E-08	0.006	0.028	0.823	0.009	32.553	TRUE	1.67E-08
PEF	GPSM1	cg25884399	rs4266763	G	A	0.211	0.024	0.443	1.54E-18	-0.011	0.003	1.26E-05	0.020	77.164	TRUE	1.59E-16
PEF	GPSM1	cg25884399	rs79796915	A	G	1.116	0.066	0.036	1.48E-63	-0.014	0.007	0.056	0.071	283.089	TRUE	5.94E-60
PEF	GRINA	cg05451722	rs11136341	G	A	0.136	0.025	0.368	3.56E-08	0.011	0.003	5.42E-05	0.008	30.359	TRUE	4.27E-07
PEF	GRINA	cg05451722	rs35723243	A	G	-0.378	0.065	0.034	7.41E-09	0.008	0.007	0.260	0.009	33.407	TRUE	1.87E-08
PEF	GRINA	cg07980830	rs11541475	T	G	0.362	0.041	0.086	4.59E-19	0.005	0.005	0.274	0.021	79.553	TRUE	2.61E-18
PEF	GRINA	cg07980830	rs118063632	T	C	-0.386	0.041	0.096	3.03E-21	-0.005	0.005	0.322	0.024	89.474	TRUE	1.87E-20
PEF	GRINA	cg07980830	rs34674752	A	G	0.664	0.054	0.051	5.30E-35	0.018	0.006	0.002	0.040	152.273	TRUE	1.69E-32
PEF	GRINA	cg07980830	rs4977181	T	C	-0.397	0.058	0.042	6.99E-12	0.000	0.006	0.962	0.013	47.004	TRUE	1.05E-11
PEF	GRINA	cg07980830	rs532952064	C	A	-0.427	0.076	0.027	2.07E-08	-0.003	0.008	0.709	0.008	31.407	TRUE	3.26E-08
PEF	GRINA	cg07980830	rs55895668	C	T	0.860	0.020	0.432	<1E-200	0.011	0.003	9.55E-06	0.335	1863.987	TRUE	<1E-200

PEF	GRINA	cg07980830	rs58342691	G	A	0.245	0.024	0.440	2.06E-24	0.007	0.003	0.009	0.027	103.907	TRUE	9.30E-23
PEF	GRINA	cg07980830	rs921669	T	C	0.242	0.035	0.126	5.44E-12	0.003	0.004	0.402	0.013	47.497	TRUE	1.45E-11
PEF	GSDMA	cg06589596	rs12453732	C	A	-0.215	0.024	0.403	8.00E-20	0.005	0.003	0.049	0.022	83.004	TRUE	1.13E-18
PEF	GSDMA	cg06589596	rs138186961	T	C	-1.476	0.171	0.012	6.77E-18	-0.001	0.011	0.950	0.020	74.243	TRUE	1.40E-17
PEF	GSDMA	cg06589596	rs145445741	T	C	-1.086	0.141	0.016	1.17E-14	0.005	0.010	0.609	0.016	59.557	TRUE	2.91E-14
PEF	GSDMA	cg06589596	rs16534	G	A	-0.182	0.027	0.270	1.91E-11	-0.008	0.003	0.008	0.012	45.037	TRUE	1.61E-10
PEF	GSDMA	cg06589596	rs2313641	A	T	0.199	0.030	0.170	5.72E-11	0.004	0.003	0.221	0.011	42.892	TRUE	1.81E-10
PEF	GSDMA	cg06589596	rs35557848	T	C	-0.332	0.028	0.235	1.62E-33	0.004	0.003	0.193	0.038	145.486	TRUE	4.67E-32
PEF	GSDMA	cg06589596	rs7217240	T	C	0.157	0.028	0.220	3.28E-08	-0.002	0.003	0.427	0.008	30.518	TRUE	6.50E-08
PEF	GSDMA	cg06589596	rs72827176	T	C	-0.957	0.075	0.055	2.05E-37	0.007	0.006	0.231	0.042	163.312	TRUE	7.93E-36
PEF	GSDMA	cg08995595	rs35123741	G	A	-0.201	0.023	0.454	3.10E-18	-0.007	0.003	0.011	0.020	75.784	TRUE	6.22E-17
PEF	GSDMA	cg10794714	rs4239225	A	G	-0.168	0.023	0.471	5.11E-13	-0.008	0.003	0.003	0.014	52.136	TRUE	7.10E-12
PEF	GSDMA	cg19422138	rs8065244	G	C	0.289	0.040	0.098	4.76E-13	0.005	0.004	0.299	0.014	52.275	TRUE	1.59E-12
PEF	GSDMA	cg21790570	rs11655584	T	C	0.262	0.042	0.087	6.38E-10	0.005	0.005	0.310	0.010	38.182	TRUE	1.64E-09
PEF	GSDMA	cg21790570	rs4239225	A	G	-0.255	0.023	0.471	1.23E-27	-0.008	0.003	0.003	0.031	118.611	TRUE	1.24E-25
PEF	GSDMA	cg24910161	rs112350333	T	C	0.321	0.034	0.135	1.12E-21	0.007	0.004	0.042	0.024	91.445	TRUE	2.04E-20
PEF	GSDMA	cg24910161	rs11871079	A	G	0.428	0.071	0.040	1.84E-09	-0.002	0.007	0.828	0.010	36.121	TRUE	2.75E-09
PEF	GSDMA	cg24910161	rs11871317	G	C	0.215	0.038	0.246	1.20E-08	0.011	0.003	2.90E-04	0.009	32.462	TRUE	1.28E-07
PEF	GSDMA	cg24910161	rs145835664	A	G	0.475	0.051	0.139	4.87E-21	0.008	0.004	0.029	0.023	88.537	TRUE	9.19E-20
PEF	GSDMA	cg24910161	rs2715553	G	A	0.152	0.024	0.445	1.40E-10	0.005	0.003	0.070	0.011	41.141	TRUE	6.49E-10
PEF	GSDMA	cg24910161	rs2952155	T	C	-0.345	0.027	0.246	1.66E-36	-0.005	0.003	0.076	0.041	159.157	TRUE	1.25E-34
PEF	GSDMA	cg24910161	rs4433838	C	T	-0.303	0.023	0.462	4.74E-39	-0.003	0.003	0.219	0.044	170.791	TRUE	2.35E-37
PEF	GSDMA	cg24910161	rs56199421	C	T	0.834	0.020	0.436	<1E-200	0.005	0.003	0.058	0.320	1739.419	TRUE	<1E-200
PEF	GSDMA	cg24910161	rs72832972	T	C	-0.363	0.046	0.072	3.06E-15	-0.009	0.005	0.044	0.017	62.193	TRUE	2.62E-14
PEF	GSDMA	cg24910161	rs75270719	A	C	-0.429	0.060	0.041	1.17E-12	-0.014	0.006	0.027	0.013	50.514	TRUE	8.78E-12
PEF	GSDMA	cg24910161	rs75905358	C	G	-0.310	0.027	0.227	8.18E-30	-0.006	0.003	0.069	0.034	128.558	TRUE	2.94E-28
PEF	GSDMA	cg24910161	rs79537720	C	A	-0.439	0.039	0.104	1.17E-29	0.004	0.004	0.382	0.033	127.851	TRUE	1.35E-28
PEF	GSDMA	cg24910161	rs939345	T	C	0.486	0.089	0.022	4.38E-08	0.006	0.009	0.486	0.008	29.958	TRUE	8.08E-08
PEF	GSDMA	cg26162295	rs112350333	T	C	0.308	0.034	0.135	3.86E-20	0.007	0.004	0.042	0.022	84.446	TRUE	5.93E-19
PEF	GSDMA	cg26162295	rs11871079	A	G	0.450	0.071	0.040	2.46E-10	-0.002	0.007	0.828	0.011	40.041	TRUE	3.85E-10
PEF	GSDMA	cg26162295	rs145835664	A	G	0.444	0.051	0.139	1.82E-18	0.008	0.004	0.029	0.020	76.836	TRUE	2.56E-17
PEF	GSDMA	cg26162295	rs2952155	T	C	-0.369	0.027	0.246	1.82E-41	-0.005	0.003	0.076	0.047	181.852	TRUE	2.54E-39
PEF	GSDMA	cg26162295	rs4433838	C	T	-0.339	0.023	0.462	1.76E-48	-0.003	0.003	0.219	0.055	213.970	TRUE	2.77E-46
PEF	GSDMA	cg26162295	rs56199421	C	T	0.783	0.021	0.436	<1E-200	0.005	0.003	0.058	0.282	1451.768	TRUE	3.43E-277
PEF	GSDMA	cg26162295	rs72832924	T	C	-0.333	0.030	0.184	8.12E-29	0.006	0.003	0.085	0.032	124.005	TRUE	2.38E-27
PEF	GSDMA	cg26162295	rs72832972	T	C	-0.334	0.046	0.072	4.15E-13	-0.009	0.005	0.044	0.014	52.543	TRUE	2.82E-12
PEF	GSDMA	cg26162295	rs75270719	A	C	-0.455	0.060	0.041	4.70E-14	-0.014	0.006	0.027	0.015	56.822	TRUE	4.15E-13
PEF	GSDMA	cg26162295	rs75905358	C	G	-0.322	0.027	0.227	4.68E-32	-0.006	0.003	0.069	0.036	138.804	TRUE	2.18E-30
PEF	GSDMA	cg26162295	rs7942	C	T	0.481	0.087	0.018	2.93E-08	0.008	0.008	0.344	0.008	30.737	TRUE	6.31E-08
PEF	GSDMA	cg26162295	rs79873275	C	T	-0.416	0.058	0.042	5.12E-13	0.003	0.006	0.639	0.014	52.132	TRUE	1.10E-12
PEF	GSDMB	cg10057218	rs11871079	A	G	0.393	0.071	0.040	3.33E-08	-0.002	0.007	0.828	0.008	30.488	TRUE	4.71E-08
PEF	GSDMB	cg10057218	rs2314338	C	T	-0.151	0.026	0.261	9.38E-09	-0.005	0.003	0.066	0.009	32.948	TRUE	3.61E-08

PEF	GSDMB	cg10057218	rs3152	A	G	0.351	0.061	0.088	1.12E-08	0.002	0.005	0.631	0.009	32.601	TRUE	1.91E-08
PEF	GSDMB	cg10057218	rs4082190	C	T	0.177	0.028	0.216	1.42E-10	0.005	0.003	0.094	0.011	41.116	TRUE	6.00E-10
PEF	GSDMB	cg10057218	rs62065216	A	G	-0.160	0.024	0.417	1.03E-11	-0.005	0.003	0.078	0.012	46.247	TRUE	4.99E-11
PEF	GSDMB	cg10057218	rs7224129	A	G	-0.460	0.023	0.483	1.22E-90	-0.006	0.003	0.013	0.099	407.381	TRUE	2.09E-84
PEF	GSDMB	cg10057218	rs72827109	A	T	-0.301	0.047	0.068	1.91E-10	-0.006	0.005	0.212	0.011	40.532	TRUE	5.92E-10
PEF	GSDMB	cg10057218	rs8192704	A	G	-0.282	0.035	0.125	1.20E-15	0.007	0.004	0.063	0.017	64.042	TRUE	9.44E-15
PEF	GSDMB	cg12360886	rs2941519	G	A	0.130	0.023	0.494	1.56E-08	0.004	0.003	0.131	0.009	31.956	TRUE	4.83E-08
PEF	GSDMB	cg16822095	rs35336365	G	A	-0.426	0.059	0.042	4.59E-13	0.008	0.006	0.210	0.014	52.347	TRUE	1.81E-12
PEF	GSDMB	cg27435903	rs2060941	T	G	-0.189	0.033	0.148	1.07E-08	0.003	0.004	0.448	0.009	32.697	TRUE	2.16E-08
PEF	GSDMB	cg27435903	rs2715555	A	G	0.197	0.033	0.148	1.66E-09	-0.011	0.004	0.002	0.010	36.314	TRUE	1.44E-08
PEF	GSDMB	cg27435903	rs36095411	G	T	-0.364	0.023	0.485	5.03E-56	0.004	0.003	0.093	0.063	248.547	TRUE	4.39E-53
PEF	GSDMC	cg05316065	rs57586672	T	C	-0.159	0.029	0.202	4.94E-08	0.004	0.003	0.260	0.008	29.724	TRUE	1.17E-07
PEF	GSDMC	cg23990303	rs7004355	C	T	0.273	0.023	0.471	6.64E-32	-0.013	0.003	7.64E-07	0.036	138.110	TRUE	1.23E-28
PEF	GSDMC	cg26073844	rs4260864	G	A	-0.182	0.024	0.451	1.42E-14	0.008	0.003	0.001	0.016	59.177	TRUE	3.03E-13
PEF	GSDMD	cg03367493	rs11782753	T	C	0.575	0.034	0.133	1.17E-65	-0.004	0.004	0.244	0.073	292.722	TRUE	1.94E-62
PEF	GSDMD	cg03367493	rs11985039	A	G	0.146	0.024	0.418	9.34E-10	-0.003	0.003	0.254	0.010	37.437	TRUE	2.52E-09
PEF	GSDMD	cg03367493	rs12543282	T	C	0.228	0.027	0.239	1.04E-16	0.001	0.003	0.778	0.018	68.850	TRUE	2.41E-16
PEF	GSDMD	cg03367493	rs12679471	G	T	0.188	0.025	0.348	4.17E-14	0.004	0.003	0.169	0.015	57.058	TRUE	1.97E-13
PEF	GSDMD	cg03367493	rs12679598	G	A	-0.748	0.031	0.150	3.73E-127	0.008	0.004	0.025	0.135	575.102	TRUE	1.74E-117
PEF	GSDMD	cg03367493	rs13262652	C	G	0.474	0.059	0.043	1.24E-15	0.008	0.006	0.180	0.017	63.972	TRUE	6.52E-15
PEF	GSDMD	cg03367493	rs13276307	T	C	0.463	0.027	0.248	1.57E-64	0.003	0.003	0.384	0.072	287.550	TRUE	1.25E-61
PEF	GSDMD	cg03367493	rs139312283	T	C	0.693	0.102	0.014	1.10E-11	-0.009	0.010	0.402	0.012	46.110	TRUE	2.86E-11
PEF	GSDMD	cg03367493	rs143355379	T	C	0.871	0.143	0.014	1.01E-09	-0.007	0.011	0.533	0.010	37.287	TRUE	1.99E-09
PEF	GSDMD	cg03367493	rs187530824	G	C	-0.611	0.100	0.010	1.06E-09	0.012	0.011	0.278	0.010	37.189	TRUE	2.79E-09
PEF	GSDMD	cg03367493	rs2384929	C	T	0.258	0.023	0.496	2.68E-28	-0.004	0.003	0.166	0.032	121.641	TRUE	4.91E-27
PEF	GSDMD	cg03367493	rs35643226	C	A	0.160	0.024	0.452	1.31E-11	-0.005	0.003	0.078	0.012	45.770	TRUE	6.60E-11
PEF	GSDMD	cg03367493	rs66470449	C	G	-0.190	0.025	0.307	2.83E-14	0.001	0.003	0.706	0.015	57.818	TRUE	6.16E-14
PEF	GSDMD	cg03367493	rs72695731	T	C	-0.906	0.140	0.016	9.47E-11	-0.002	0.010	0.811	0.011	41.905	TRUE	1.54E-10
PEF	GSDMD	cg03367493	rs7832515	G	A	-0.193	0.030	0.199	7.44E-11	0.002	0.003	0.536	0.011	42.376	TRUE	1.56E-10
PEF	GSDMD	cg03367493	rs78856028	A	G	0.179	0.033	0.154	3.89E-08	-0.003	0.003	0.459	0.008	30.186	TRUE	7.40E-08
PEF	GSDMD	cg06553843	rs11782442	T	C	0.478	0.034	0.131	2.27E-45	-0.005	0.004	0.204	0.051	199.723	TRUE	2.51E-43
PEF	GSDMD	cg06553843	rs144181480	G	A	-0.536	0.092	0.016	6.12E-09	-0.002	0.009	0.814	0.009	33.779	TRUE	9.07E-09
PEF	GSDMD	cg06553843	rs187530824	G	C	-0.771	0.100	0.010	1.66E-14	0.012	0.011	0.278	0.016	58.872	TRUE	6.42E-14
PEF	GSDMD	cg06553843	rs2242088	C	G	0.232	0.026	0.310	1.07E-19	-0.001	0.003	0.852	0.022	82.425	TRUE	2.78E-19
PEF	GSDMD	cg06553843	rs2242093	C	T	-0.709	0.031	0.149	2.19E-112	0.008	0.004	0.029	0.121	507.253	TRUE	2.37E-104
PEF	GSDMD	cg06553843	rs2278897	A	G	0.166	0.025	0.322	6.72E-11	-0.001	0.003	0.789	0.011	42.576	TRUE	1.12E-10
PEF	GSDMD	cg06553843	rs62524733	G	A	-0.156	0.023	0.458	3.29E-11	0.002	0.003	0.534	0.012	43.971	TRUE	7.22E-11
PEF	GSDMD	cg06553843	rs66470449	C	G	-0.149	0.025	0.307	2.60E-09	0.001	0.003	0.706	0.009	35.441	TRUE	4.27E-09
PEF	GSDMD	cg06553843	rs72703742	T	C	0.179	0.033	0.143	4.00E-08	-0.005	0.004	0.126	0.008	30.133	TRUE	1.18E-07
PEF	GSDMD	cg07422279	rs12543096	A	G	0.221	0.028	0.206	4.12E-15	0.001	0.003	0.846	0.016	61.607	TRUE	8.22E-15
PEF	GSDMD	cg07422279	rs141432057	T	C	-0.255	0.040	0.091	2.78E-10	-0.004	0.004	0.361	0.011	39.805	TRUE	6.83E-10
PEF	GSDMD	cg07422279	rs1809148	A	G	-0.211	0.036	0.131	4.77E-09	0.001	0.004	0.739	0.009	34.261	TRUE	7.51E-09

PEF	GSDMD	cg07422279	rs4873796	G	C	-0.180	0.028	0.222	8.73E-11	0.001	0.003	0.768	0.011	42.065	TRUE	1.48E-10
PEF	GSDMD	cg07422279	rs6558369	A	C	0.385	0.024	0.378	2.03E-59	0.000	0.003	0.869	0.067	264.112	TRUE	2.40E-57
PEF	GSDMD	cg07422279	rs72701718	A	G	0.316	0.058	0.036	3.96E-08	0.006	0.006	0.365	0.008	30.154	TRUE	8.28E-08
PEF	GSDMD	cg09317036	rs10866914	T	G	-0.247	0.038	0.118	7.24E-11	0.000	0.004	0.913	0.011	42.429	TRUE	1.08E-10
PEF	GSDMD	cg09317036	rs11787024	C	T	0.147	0.025	0.322	5.91E-09	0.000	0.003	0.993	0.009	33.845	TRUE	7.60E-09
PEF	GSDMD	cg09317036	rs12547588	G	A	-0.264	0.026	0.265	1.48E-23	0.002	0.003	0.548	0.026	100.000	TRUE	7.67E-23
PEF	GSDMD	cg09317036	rs12681624	G	C	1.025	0.030	0.150	1.09E-255	0.008	0.004	0.022	0.240	1166.006	TRUE	7.47E-227
PEF	GSDMD	cg09317036	rs141337105	T	G	0.468	0.082	0.018	1.01E-08	0.000	0.009	0.985	0.009	32.805	TRUE	1.30E-08
PEF	GSDMD	cg09317036	rs144181480	G	A	0.543	0.092	0.016	4.02E-09	-0.002	0.009	0.814	0.009	34.595	TRUE	6.02E-09
PEF	GSDMD	cg09317036	rs187530824	G	C	0.858	0.100	0.010	1.17E-17	0.012	0.011	0.278	0.019	73.161	TRUE	5.89E-17
PEF	GSDMD	cg09317036	rs2060967	T	C	-0.278	0.026	0.296	7.51E-27	0.001	0.003	0.649	0.030	115.031	TRUE	4.35E-26
PEF	GSDMD	cg09317036	rs2384929	C	T	-0.227	0.023	0.496	3.02E-22	-0.004	0.003	0.166	0.025	94.033	TRUE	3.04E-21
PEF	GSDMD	cg09317036	rs34791886	G	A	0.248	0.024	0.453	5.30E-26	0.006	0.003	0.027	0.029	111.160	TRUE	1.91E-24
PEF	GSDMD	cg09317036	rs72691637	A	G	0.188	0.030	0.200	2.16E-10	0.002	0.003	0.470	0.011	40.291	TRUE	4.76E-10
PEF	GSDMD	cg09317036	rs72695731	T	C	1.027	0.140	0.016	1.90E-13	-0.002	0.010	0.811	0.014	54.073	TRUE	3.55E-13
PEF	GSDMD	cg09317036	rs9644250	T	G	-0.179	0.025	0.349	8.33E-13	-0.003	0.003	0.230	0.014	51.175	TRUE	3.03E-12
PEF	GSDMD	cg10074813	rs13262652	C	G	0.349	0.059	0.043	4.12E-09	0.008	0.006	0.180	0.009	34.545	TRUE	1.21E-08
PEF	GSDMD	cg10074813	rs2242091	A	G	0.503	0.033	0.134	5.97E-51	-0.004	0.004	0.259	0.057	225.290	TRUE	1.10E-48
PEF	GSDMD	cg10074813	rs388357	A	C	-0.198	0.025	0.341	8.12E-16	0.002	0.003	0.466	0.017	64.805	TRUE	2.64E-15
PEF	GSDMD	cg10074813	rs4266665	G	T	-0.194	0.025	0.331	2.99E-15	0.004	0.003	0.189	0.017	62.238	TRUE	1.46E-14
PEF	GSDMD	cg10074813	rs896949	C	G	0.178	0.027	0.274	3.30E-11	-0.004	0.003	0.122	0.012	43.964	TRUE	1.37E-10
PEF	GSDMD	cg10810860	rs10099546	G	A	-0.467	0.033	0.142	2.17E-45	0.008	0.004	0.030	0.051	199.813	TRUE	8.96E-43
PEF	GSDMD	cg10810860	rs117239159	A	G	0.556	0.070	0.030	2.13E-15	0.002	0.007	0.826	0.017	62.907	TRUE	4.41E-15
PEF	GSDMD	cg10810860	rs12543282	T	C	0.699	0.026	0.239	2.43E-155	0.001	0.003	0.778	0.160	704.634	TRUE	1.55E-144
PEF	GSDMD	cg10810860	rs13276307	T	C	0.380	0.027	0.248	1.64E-43	0.003	0.003	0.384	0.049	191.218	TRUE	8.11E-42
PEF	GSDMD	cg10810860	rs190987773	T	C	0.757	0.074	0.033	1.05E-24	-0.021	0.008	0.012	0.028	105.248	TRUE	4.35E-23
PEF	GSDMD	cg10810860	rs36134466	G	A	0.669	0.086	0.022	8.28E-15	0.009	0.008	0.235	0.016	60.235	TRUE	3.56E-14
PEF	GSDMD	cg10810860	rs4495441	A	G	0.379	0.046	0.071	2.20E-16	0.003	0.005	0.492	0.018	67.382	TRUE	7.15E-16
PEF	GSDMD	cg10810860	rs60804328	G	C	-0.218	0.024	0.373	4.55E-20	-0.002	0.003	0.404	0.022	84.120	TRUE	2.25E-19
PEF	GSDMD	cg10810860	rs6990605	G	A	0.219	0.025	0.325	2.03E-18	0.008	0.003	0.005	0.020	76.624	TRUE	4.86E-17
PEF	GSDMD	cg10810860	rs72703732	A	G	0.524	0.062	0.039	2.64E-17	0.014	0.006	0.030	0.019	71.561	TRUE	3.28E-16
PEF	GSDMD	cg10810860	rs73715668	C	G	-0.257	0.027	0.247	1.69E-21	0.002	0.003	0.412	0.024	90.631	TRUE	9.21E-21
PEF	GSDMD	cg14721632	rs116668352	A	G	-0.302	0.052	0.059	7.30E-09	-0.002	0.005	0.768	0.009	33.434	TRUE	1.12E-08
PEF	GSDMD	cg14721632	rs116692788	T	C	-0.335	0.035	0.131	8.27E-22	0.001	0.004	0.889	0.024	92.042	TRUE	2.35E-21
PEF	GSDMD	cg14721632	rs117126994	A	G	0.566	0.081	0.025	2.19E-12	0.002	0.008	0.795	0.013	49.282	TRUE	3.94E-12
PEF	GSDMD	cg14721632	rs11776876	T	C	-0.175	0.024	0.418	3.95E-13	0.000	0.003	0.976	0.014	52.639	TRUE	6.26E-13
PEF	GSDMD	cg14721632	rs12544706	C	G	-0.316	0.027	0.241	1.24E-31	0.002	0.003	0.452	0.036	136.869	TRUE	1.54E-30
PEF	GSDMD	cg14721632	rs1545536	T	C	-0.258	0.029	0.216	2.37E-19	0.002	0.003	0.482	0.021	80.863	TRUE	9.65E-19
PEF	GSDMD	cg14721632	rs2272635	T	C	0.268	0.026	0.295	3.30E-25	0.000	0.003	0.938	0.028	107.534	TRUE	1.10E-24
PEF	GSDMD	cg14721632	rs3812445	G	A	0.349	0.034	0.132	1.94E-24	-0.008	0.004	0.046	0.027	104.030	TRUE	4.67E-23
PEF	GSDMD	cg14721632	rs383439	G	C	0.442	0.025	0.329	1.07E-70	-0.007	0.003	0.011	0.079	315.842	TRUE	4.48E-66
PEF	GSDMD	cg14721632	rs3889129	T	C	0.653	0.023	0.350	1.65E-175	0.000	0.003	0.868	0.177	797.337	TRUE	2.86E-162

PEF	GSDMD	cg14721632	rs59795540	A	C	-0.320	0.043	0.083	1.24E-13	0.013	0.005	0.003	0.015	54.913	TRUE	1.82E-12
PEF	GSDMD	cg14721632	rs6991129	G	A	-0.187	0.027	0.256	3.19E-12	0.006	0.003	0.027	0.013	48.545	TRUE	2.22E-11
PEF	GSDMD	cg14721632	rs6994534	T	C	0.137	0.024	0.424	9.86E-09	-0.003	0.003	0.277	0.009	32.850	TRUE	2.39E-08
PEF	GSDMD	cg14721632	rs77893911	T	G	0.236	0.025	0.284	1.98E-20	0.002	0.003	0.448	0.023	85.762	TRUE	9.52E-20
PEF	GSDMD	cg14721632	rs7819729	G	A	-0.211	0.027	0.256	1.23E-14	0.001	0.003	0.644	0.016	59.460	TRUE	2.91E-14
PEF	GSDMD	cg15172061	rs113025548	T	C	0.759	0.058	0.041	1.31E-39	-0.008	0.006	0.220	0.045	173.353	TRUE	6.79E-38
PEF	GSDMD	cg15172061	rs113715729	A	G	0.427	0.066	0.037	8.55E-11	0.000	0.008	0.999	0.011	42.106	TRUE	1.18E-10
PEF	GSDMD	cg15172061	rs113990650	T	C	-0.711	0.031	0.150	5.41E-114	0.008	0.004	0.029	0.122	514.636	TRUE	8.56E-106
PEF	GSDMD	cg15172061	rs11985039	A	G	0.210	0.024	0.418	1.45E-18	-0.003	0.003	0.254	0.020	77.289	TRUE	8.07E-18
PEF	GSDMD	cg15172061	rs13262652	C	G	0.498	0.059	0.043	4.93E-17	0.008	0.006	0.180	0.019	70.328	TRUE	2.94E-16
PEF	GSDMD	cg15172061	rs141432057	T	C	-0.435	0.040	0.091	4.12E-27	-0.004	0.004	0.361	0.030	116.219	TRUE	3.98E-26
PEF	GSDMD	cg15172061	rs144093946	C	T	0.595	0.098	0.014	1.07E-09	0.023	0.010	0.023	0.010	37.175	TRUE	5.89E-09
PEF	GSDMD	cg15172061	rs1532037	C	T	-0.148	0.024	0.401	5.25E-10	0.003	0.003	0.235	0.010	38.561	TRUE	1.52E-09
PEF	GSDMD	cg15172061	rs2384929	C	T	0.316	0.023	0.496	7.46E-42	-0.004	0.003	0.166	0.047	183.622	TRUE	6.27E-40
PEF	GSDMD	cg15172061	rs35194198	G	A	-0.187	0.025	0.322	1.32E-13	0.000	0.003	0.952	0.015	54.799	TRUE	2.19E-13
PEF	GSDMD	cg15172061	rs448340	G	A	0.175	0.024	0.402	1.48E-13	0.000	0.003	0.949	0.015	54.566	TRUE	2.47E-13
PEF	GSDMD	cg15172061	rs58774177	C	T	0.779	0.023	0.334	6.22E-242	-0.008	0.003	0.005	0.230	1102.739	TRUE	7.83E-215
PEF	GSDMD	cg15172061	rs61005957	G	T	0.674	0.041	0.087	1.02E-59	0.005	0.004	0.217	0.067	265.476	TRUE	7.37E-57
PEF	GSDMD	cg15172061	rs7812379	T	C	-0.236	0.024	0.477	2.25E-23	0.000	0.003	0.933	0.026	99.172	TRUE	6.70E-23
PEF	GSDMD	cg15172061	rs7834418	T	C	-0.172	0.026	0.283	8.08E-11	-0.001	0.003	0.854	0.011	42.216	TRUE	1.26E-10
PEF	GSDMD	cg15172061	rs78856028	A	G	0.190	0.033	0.154	5.46E-09	-0.003	0.003	0.459	0.009	34.001	TRUE	1.10E-08
PEF	GSDMD	cg15541193	rs116692788	T	C	-0.200	0.035	0.131	1.03E-08	0.001	0.004	0.889	0.009	32.771	TRUE	1.42E-08
PEF	GSDMD	cg15541193	rs372513	T	G	-0.160	0.028	0.224	8.20E-09	0.001	0.003	0.826	0.009	33.210	TRUE	1.21E-08
PEF	GSDMD	cg15541193	rs3812445	G	A	0.210	0.034	0.132	8.09E-10	-0.008	0.004	0.046	0.010	37.717	TRUE	3.88E-09
PEF	GSDMD	cg15541193	rs383439	G	C	0.241	0.025	0.329	9.98E-22	-0.007	0.003	0.011	0.024	91.672	TRUE	2.96E-20
PEF	GSDMD	cg15541193	rs3889129	T	C	0.372	0.024	0.350	3.20E-54	0.000	0.003	0.868	0.061	240.278	TRUE	1.97E-52
PEF	GSDMD	cg17812120	rs10111556	A	G	0.239	0.025	0.322	1.86E-21	-0.002	0.003	0.476	0.024	90.444	TRUE	9.27E-21
PEF	GSDMD	cg17812120	rs11781942	A	G	-0.194	0.032	0.166	1.24E-09	0.005	0.003	0.119	0.010	36.883	TRUE	4.37E-09
PEF	GSDMD	cg17812120	rs12681624	G	C	-0.637	0.032	0.150	2.09E-90	0.008	0.004	0.022	0.099	406.309	TRUE	2.30E-84
PEF	GSDMD	cg17812120	rs139312283	T	C	0.709	0.102	0.014	3.57E-12	-0.009	0.010	0.402	0.013	48.321	TRUE	9.59E-12
PEF	GSDMD	cg17812120	rs147034183	A	G	0.636	0.103	0.015	5.96E-10	-0.003	0.010	0.755	0.010	38.315	TRUE	9.75E-10
PEF	GSDMD	cg17812120	rs149005143	T	C	0.466	0.080	0.027	5.63E-09	0.002	0.008	0.783	0.009	33.940	TRUE	8.56E-09
PEF	GSDMD	cg17812120	rs28754324	C	A	0.572	0.098	0.012	4.61E-09	-0.027	0.010	0.008	0.009	34.328	TRUE	2.96E-08
PEF	GSDMD	cg17812120	rs35609832	G	C	0.426	0.065	0.033	6.15E-11	0.005	0.007	0.438	0.011	42.748	TRUE	1.46E-10
PEF	GSDMD	cg17812120	rs3750207	G	T	0.727	0.024	0.333	6.50E-207	-0.008	0.003	0.005	0.203	941.717	TRUE	9.00E-186
PEF	GSDMD	cg17812120	rs3812445	G	A	0.358	0.034	0.132	1.10E-25	-0.008	0.004	0.046	0.029	109.706	TRUE	3.07E-24
PEF	GSDMD	cg17812120	rs4490854	G	A	0.372	0.040	0.087	1.82E-20	-0.007	0.005	0.134	0.023	85.929	TRUE	1.71E-19
PEF	GSDMD	cg17812120	rs58858875	A	G	0.305	0.043	0.084	1.50E-12	0.006	0.005	0.171	0.013	50.024	TRUE	6.09E-12
PEF	GSDMD	cg17812120	rs59610542	G	A	-0.168	0.025	0.334	1.83E-11	-0.002	0.003	0.569	0.012	45.123	TRUE	3.84E-11
PEF	GSDMD	cg17812120	rs62524034	A	G	-0.224	0.032	0.152	1.72E-12	0.000	0.003	0.939	0.013	49.748	TRUE	2.75E-12
PEF	GSDMD	cg17812120	rs72693306	A	G	-0.306	0.053	0.050	7.74E-09	0.001	0.006	0.912	0.009	33.321	TRUE	1.06E-08
PEF	GSDMD	cg17812120	rs7812379	T	C	-0.306	0.024	0.477	1.34E-38	0.000	0.003	0.933	0.044	168.734	TRUE	1.36E-37

PEF	GSDMD	cg17812120	rs7813970	T	C	-0.458	0.029	0.194	1.12E-56	0.001	0.003	0.802	0.064	251.533	TRUE	1.10E-54
PEF	GSDMD	cg17812120	rs78856028	A	G	0.222	0.033	0.154	1.02E-11	-0.003	0.003	0.459	0.012	46.261	TRUE	2.48E-11
PEF	GSDMD	cg17812120	rs9657360	C	T	0.430	0.029	0.206	3.24E-48	0.000	0.003	0.919	0.054	212.761	TRUE	9.05E-47
PEF	GSDMD	cg18198896	rs116668352	A	G	-0.338	0.052	0.059	9.05E-11	-0.002	0.005	0.768	0.011	41.994	TRUE	1.54E-10
PEF	GSDMD	cg18198896	rs116692788	T	C	-0.285	0.035	0.131	3.67E-16	0.001	0.004	0.889	0.018	66.371	TRUE	7.38E-16
PEF	GSDMD	cg18198896	rs12544706	C	G	-0.253	0.027	0.241	1.24E-20	0.002	0.003	0.452	0.023	86.694	TRUE	5.89E-20
PEF	GSDMD	cg18198896	rs12675897	T	C	0.149	0.024	0.453	4.01E-10	0.001	0.003	0.578	0.010	39.089	TRUE	7.67E-10
PEF	GSDMD	cg18198896	rs1545536	T	C	-0.196	0.029	0.216	9.06E-12	0.002	0.003	0.482	0.012	46.496	TRUE	2.15E-11
PEF	GSDMD	cg18198896	rs374534	G	C	0.247	0.026	0.262	2.77E-21	0.004	0.003	0.126	0.024	89.654	TRUE	2.94E-20
PEF	GSDMD	cg18198896	rs383439	G	C	0.199	0.025	0.329	3.08E-15	-0.007	0.003	0.011	0.017	62.181	TRUE	4.10E-14
PEF	GSDMD	cg18198896	rs3889129	T	C	0.586	0.023	0.350	2.22E-138	0.000	0.003	0.868	0.145	626.682	TRUE	1.15E-129
PEF	GSDMD	cg18198896	rs72701718	A	G	0.451	0.058	0.036	4.96E-15	0.006	0.006	0.365	0.016	61.244	TRUE	1.73E-14
PEF	GSDMD	cg18198896	rs74528256	T	C	-0.187	0.032	0.162	9.09E-09	0.003	0.003	0.462	0.009	33.010	TRUE	1.80E-08
PEF	GSDMD	cg18198896	rs77893911	T	G	0.330	0.025	0.284	7.36E-39	0.002	0.003	0.448	0.044	169.918	TRUE	1.96E-37
PEF	GSDMD	cg20583945	rs10099134	C	T	-0.224	0.028	0.236	1.20E-15	-0.006	0.003	0.059	0.017	64.031	TRUE	9.94E-15
PEF	GSDMD	cg20583945	rs11136325	G	A	0.137	0.024	0.406	1.12E-08	0.009	0.003	7.02E-04	0.009	32.609	TRUE	1.02E-07
PEF	GSDMD	cg20583945	rs112484283	C	A	-0.576	0.063	0.040	6.66E-20	0.005	0.006	0.404	0.022	83.368	TRUE	3.18E-19
PEF	GSDMD	cg20583945	rs11776876	T	C	-0.188	0.024	0.418	6.25E-15	0.000	0.003	0.976	0.016	60.789	TRUE	1.08E-14
PEF	GSDMD	cg20583945	rs11986259	A	G	-0.399	0.028	0.221	6.15E-45	0.000	0.003	0.947	0.051	197.744	TRUE	1.15E-43
PEF	GSDMD	cg20583945	rs12545739	T	C	-0.157	0.027	0.245	9.78E-09	-0.002	0.003	0.605	0.009	32.867	TRUE	1.70E-08
PEF	GSDMD	cg20583945	rs141337105	T	G	0.781	0.081	0.018	9.73E-22	0.000	0.009	0.985	0.024	91.721	TRUE	2.46E-21
PEF	GSDMD	cg20583945	rs1487888	T	C	1.440	0.022	0.148	<1E-200	0.007	0.004	0.066	0.536	4270.809	TRUE	<1E-200
PEF	GSDMD	cg20583945	rs1532037	C	T	0.269	0.024	0.401	4.74E-30	0.003	0.003	0.235	0.034	129.640	TRUE	8.37E-29
PEF	GSDMD	cg20583945	rs187530824	G	C	0.886	0.100	0.010	9.85E-19	0.012	0.011	0.278	0.021	78.048	TRUE	5.42E-18
PEF	GSDMD	cg20583945	rs2060967	T	C	-0.636	0.025	0.296	3.17E-142	0.001	0.003	0.649	0.148	644.357	TRUE	9.66E-133
PEF	GSDMD	cg20583945	rs388357	A	C	-0.462	0.024	0.341	8.27E-82	0.002	0.003	0.466	0.090	366.838	TRUE	8.55E-78
PEF	GSDMD	cg20583945	rs4873795	T	A	-0.316	0.037	0.102	2.21E-17	-0.001	0.004	0.749	0.019	71.911	TRUE	5.60E-17
PEF	GSDMD	cg20583945	rs55994096	T	G	0.339	0.024	0.374	9.52E-47	-0.002	0.003	0.410	0.053	206.035	TRUE	6.39E-45
PEF	GSDMD	cg20583945	rs56184499	A	G	0.275	0.026	0.293	3.26E-26	0.001	0.003	0.723	0.029	112.123	TRUE	1.60E-25
PEF	GSDMD	cg20583945	rs56186625	T	C	0.597	0.055	0.055	3.52E-27	0.016	0.006	0.003	0.031	116.533	TRUE	3.02E-25
PEF	GSDMD	cg20583945	rs62521928	A	G	-0.346	0.055	0.052	3.82E-10	0.006	0.006	0.309	0.010	39.183	TRUE	9.98E-10
PEF	GSDMD	cg20583945	rs6558383	C	T	-0.257	0.034	0.146	5.09E-14	-0.002	0.004	0.543	0.015	56.662	TRUE	1.30E-13
PEF	GSDMD	cg20583945	rs6987719	T	C	-0.220	0.031	0.169	1.74E-12	0.005	0.003	0.106	0.013	49.726	TRUE	8.25E-12
PEF	GSDMD	cg20583945	rs7460860	T	C	0.182	0.024	0.395	5.64E-14	0.003	0.003	0.227	0.015	56.462	TRUE	2.27E-13
PEF	GSDMD	cg20583945	rs7829800	A	G	0.167	0.025	0.320	4.36E-11	0.000	0.003	0.898	0.012	43.423	TRUE	6.60E-11
PEF	GSDMD	cg20583945	rs7833564	A	G	0.144	0.024	0.477	1.17E-09	0.000	0.003	0.910	0.010	37.002	TRUE	1.67E-09
PEF	GSDMD	cg20583945	rs80351785	A	G	-0.494	0.071	0.034	4.32E-12	-0.001	0.007	0.906	0.013	47.947	TRUE	6.88E-12
PEF	GSDMD	cg20583945	rs896960	C	G	0.195	0.034	0.134	8.66E-09	-0.005	0.004	0.226	0.009	33.103	TRUE	2.29E-08
PEF	GSDMD	cg22012530	rs118062821	T	A	-0.521	0.093	0.019	1.76E-08	0.006	0.009	0.525	0.009	31.729	TRUE	3.23E-08
PEF	GSDMD	cg22012530	rs118076041	A	G	0.728	0.130	0.015	2.06E-08	0.007	0.011	0.520	0.008	31.418	TRUE	3.77E-08
PEF	GSDMD	cg22012530	rs13254352	A	C	-0.254	0.028	0.245	4.91E-20	0.003	0.003	0.384	0.022	83.972	TRUE	2.45E-19
PEF	GSDMD	cg22012530	rs13267937	G	C	-0.235	0.027	0.256	9.70E-18	0.002	0.003	0.540	0.019	73.532	TRUE	3.27E-17

PEF	GSDMD	cg22012530	rs13274480	T	C	-0.178	0.024	0.420	1.27E-13	-0.001	0.003	0.837	0.015	54.863	TRUE	2.32E-13
PEF	GSDMD	cg22012530	rs2060967	T	C	-0.400	0.026	0.296	2.03E-54	0.001	0.003	0.649	0.061	241.189	TRUE	2.08E-52
PEF	GSDMD	cg22012530	rs2278897	A	G	0.259	0.025	0.322	1.34E-24	-0.001	0.003	0.789	0.028	104.760	TRUE	5.23E-24
PEF	GSDMD	cg22012530	rs388357	A	C	-0.407	0.024	0.341	3.87E-63	0.002	0.003	0.466	0.071	281.167	TRUE	2.04E-60
PEF	GSDMD	cg22012530	rs4873795	T	A	-0.223	0.037	0.102	2.27E-09	-0.001	0.004	0.749	0.010	35.708	TRUE	3.63E-09
PEF	GSDMD	cg22012530	rs59795540	A	C	-0.343	0.043	0.083	2.23E-15	0.013	0.005	0.003	0.017	62.820	TRUE	4.15E-14
PEF	GSDMD	cg22012530	rs6991129	G	A	-0.216	0.027	0.256	1.07E-15	0.006	0.003	0.027	0.017	64.256	TRUE	1.11E-14
PEF	GSDMD	cg22012530	rs6991958	T	C	0.776	0.028	0.200	1.15E-171	-0.008	0.003	0.018	0.174	779.663	TRUE	2.84E-156
PEF	GSDMD	cg22012530	rs72701716	A	G	0.274	0.026	0.293	4.64E-26	0.000	0.003	0.896	0.029	111.422	TRUE	1.78E-25
PEF	GSDMD	cg22312904	rs113025548	T	C	0.652	0.058	0.041	1.19E-29	-0.008	0.006	0.220	0.033	127.816	TRUE	2.10E-28
PEF	GSDMD	cg22312904	rs12681624	G	C	-0.546	0.032	0.150	2.19E-66	0.008	0.004	0.022	0.074	296.064	TRUE	2.69E-62
PEF	GSDMD	cg22312904	rs13262652	C	G	0.343	0.059	0.043	7.09E-09	0.008	0.006	0.180	0.009	33.491	TRUE	2.04E-08
PEF	GSDMD	cg22312904	rs144093946	C	T	0.535	0.097	0.014	3.80E-08	0.023	0.010	0.023	0.008	30.234	TRUE	1.72E-07
PEF	GSDMD	cg22312904	rs1532038	A	G	-0.292	0.043	0.079	8.60E-12	-0.004	0.005	0.431	0.012	46.599	TRUE	2.17E-11
PEF	GSDMD	cg22312904	rs2004099	G	T	0.156	0.024	0.405	6.73E-11	-0.003	0.003	0.333	0.011	42.573	TRUE	1.80E-10
PEF	GSDMD	cg22312904	rs448340	G	A	0.170	0.024	0.402	5.32E-13	0.000	0.003	0.949	0.014	52.055	TRUE	8.62E-13
PEF	GSDMD	cg22312904	rs4874171	C	T	0.258	0.024	0.375	4.32E-27	-0.003	0.003	0.251	0.030	116.128	TRUE	5.44E-26
PEF	GSDMD	cg22312904	rs58472315	G	A	0.589	0.042	0.089	9.82E-46	0.002	0.004	0.608	0.052	201.393	TRUE	3.75E-44
PEF	GSDMD	cg22312904	rs59610542	G	A	-0.146	0.025	0.334	4.60E-09	-0.002	0.003	0.569	0.009	34.334	TRUE	8.34E-09
PEF	GSDMD	cg22312904	rs964195	C	T	0.593	0.024	0.334	2.11E-132	-0.007	0.003	0.007	0.139	599.216	TRUE	1.21E-121
PEF	GSDMD	cg22995724	rs113715729	A	G	0.366	0.066	0.037	2.70E-08	0.000	0.008	0.999	0.008	30.894	TRUE	3.38E-08
PEF	GSDMD	cg22995724	rs11782442	T	C	0.859	0.033	0.131	3.57E-152	-0.005	0.004	0.204	0.157	690.074	TRUE	1.30E-140
PEF	GSDMD	cg22995724	rs12680498	A	G	0.188	0.024	0.448	1.67E-15	-0.003	0.003	0.210	0.017	63.380	TRUE	8.25E-15
PEF	GSDMD	cg22995724	rs12681624	G	C	-0.921	0.031	0.150	3.91E-200	0.008	0.004	0.022	0.198	910.549	TRUE	1.08E-180
PEF	GSDMD	cg22995724	rs139312283	T	C	0.799	0.102	0.014	4.23E-15	-0.009	0.010	0.402	0.016	61.556	TRUE	1.41E-14
PEF	GSDMD	cg22995724	rs35194198	G	A	-0.148	0.025	0.322	4.77E-09	0.000	0.003	0.952	0.009	34.264	TRUE	6.43E-09
PEF	GSDMD	cg22995724	rs3750204	A	G	0.226	0.028	0.233	7.54E-16	0.005	0.003	0.132	0.017	64.951	TRUE	4.59E-15
PEF	GSDMD	cg22995724	rs4242490	A	C	0.259	0.026	0.264	1.24E-22	-0.001	0.003	0.872	0.025	95.797	TRUE	3.85E-22
PEF	GSDMD	cg22995724	rs4874147	T	C	0.166	0.026	0.269	2.65E-10	0.002	0.003	0.526	0.011	39.899	TRUE	5.48E-10
PEF	GSDMD	cg22995724	rs4874150	G	A	-0.208	0.026	0.275	1.70E-15	0.003	0.003	0.293	0.017	63.355	TRUE	6.85E-15
PEF	GSDMD	cg22995724	rs59795540	A	C	0.412	0.043	0.083	1.33E-21	0.013	0.005	0.003	0.024	91.106	TRUE	5.69E-20
PEF	GSDMD	cg22995724	rs62524034	A	G	-0.177	0.032	0.152	2.75E-08	0.000	0.003	0.939	0.008	30.863	TRUE	3.63E-08
PEF	GSDMD	cg22995724	rs72691637	A	G	-0.218	0.030	0.200	2.13E-13	0.002	0.003	0.470	0.014	53.855	TRUE	5.75E-13
PEF	GSDMD	cg22995724	rs72695731	T	C	-0.905	0.140	0.016	1.01E-10	-0.002	0.010	0.811	0.011	41.785	TRUE	1.63E-10
PEF	GSDMD	cg22995724	rs78856028	A	G	0.205	0.033	0.154	3.14E-10	-0.003	0.003	0.459	0.011	39.565	TRUE	6.87E-10
PEF	GSDMD	cg22995724	rs872935	G	A	0.431	0.024	0.372	1.18E-69	-0.004	0.003	0.177	0.078	311.066	TRUE	4.82E-66
PEF	GSDMD	cg22995724	rs923326	G	C	0.182	0.024	0.397	3.66E-14	-0.003	0.003	0.342	0.015	57.312	TRUE	1.25E-13
PEF	GSDMD	cg26173173	rs113990650	T	C	-0.201	0.032	0.150	3.16E-10	0.008	0.004	0.029	0.011	39.551	TRUE	1.74E-09
PEF	GSDMD	cg26173173	rs11551200	T	C	-0.551	0.068	0.028	6.80E-16	-0.005	0.008	0.560	0.017	65.156	TRUE	1.95E-15
PEF	GSK3B	cg14479617	rs10934511	T	C	0.190	0.024	0.485	1.15E-15	0.006	0.003	0.020	0.017	64.112	TRUE	1.39E-14
PEF	GSK3B	cg14479617	rs114741212	A	G	0.509	0.086	0.020	3.55E-09	0.025	0.010	0.009	0.009	34.837	TRUE	2.22E-08
PEF	GSK3B	cg14479617	rs2037547	T	C	0.585	0.028	0.204	5.00E-94	0.009	0.003	0.003	0.103	422.936	TRUE	4.71E-87

PEF	GSK3B	cg14479617	rs2461823	T	C	0.155	0.024	0.375	1.61E-10	0.004	0.003	0.094	0.011	40.863	TRUE	6.59E-10
PEF	GSK3B	cg14479617	rs6438560	T	A	0.355	0.040	0.098	1.81E-18	0.008	0.004	0.060	0.020	76.844	TRUE	2.03E-17
PEF	GSK3B	cg14479617	rs6797459	T	C	-0.471	0.029	0.190	9.32E-58	0.002	0.003	0.467	0.065	256.490	TRUE	2.26E-55
PEF	GSK3B	cg14479617	rs72954800	T	C	-0.275	0.039	0.096	2.15E-12	-0.002	0.004	0.680	0.013	49.316	TRUE	4.31E-12
PEF	GSK3B	cg14479617	rs73192055	A	G	0.597	0.080	0.021	8.04E-14	0.020	0.009	0.023	0.015	55.766	TRUE	7.28E-13
PEF	GSK3B	cg14479617	rs78171547	A	G	-0.407	0.059	0.042	3.96E-12	-0.003	0.006	0.681	0.013	48.118	TRUE	7.87E-12
PEF	GUSB	cg08769356	rs34848990	C	A	0.206	0.034	0.143	7.49E-10	-0.003	0.004	0.424	0.010	37.867	TRUE	1.67E-09
PEF	GUSB	cg08769356	rs56048419	G	A	0.138	0.025	0.331	2.93E-08	-0.001	0.003	0.852	0.008	30.740	TRUE	4.08E-08
PEF	GUSB	cg08769356	rs75637349	T	C	0.840	0.055	0.046	6.74E-53	0.001	0.006	0.907	0.060	234.216	TRUE	3.32E-51
PEF	GUSB	cg11987759	rs117510415	T	C	-0.540	0.047	0.068	1.19E-30	0.008	0.005	0.114	0.035	132.388	TRUE	3.50E-29
PEF	GUSB	cg11987759	rs117539116	T	G	0.607	0.085	0.017	9.61E-13	0.003	0.010	0.809	0.014	50.895	TRUE	1.74E-12
PEF	GUSB	cg11987759	rs117994368	G	A	0.607	0.072	0.024	3.63E-17	0.009	0.007	0.237	0.019	70.930	TRUE	1.90E-16
PEF	GUSB	cg11987759	rs13228133	C	T	-0.725	0.038	0.096	1.81E-79	-0.009	0.004	0.027	0.088	356.094	TRUE	2.03E-74
PEF	GUSB	cg11987759	rs13228566	T	C	0.624	0.056	0.049	1.14E-28	0.001	0.006	0.845	0.032	123.332	TRUE	5.72E-28
PEF	GUSB	cg11987759	rs141779404	A	G	0.580	0.068	0.028	1.04E-17	-0.003	0.008	0.722	0.019	73.390	TRUE	2.76E-17
PEF	GUSB	cg11987759	rs144964629	A	G	0.593	0.060	0.038	3.89E-23	0.002	0.008	0.768	0.026	98.089	TRUE	1.41E-22
PEF	GUSB	cg11987759	rs185472655	G	C	-0.439	0.078	0.025	2.16E-08	0.005	0.008	0.542	0.008	31.325	TRUE	3.89E-08
PEF	GUSB	cg11987759	rs186727034	T	C	-0.413	0.033	0.149	3.71E-36	-0.002	0.003	0.536	0.041	157.556	TRUE	6.00E-35
PEF	GUSB	cg11987759	rs187963050	T	G	0.734	0.110	0.029	2.71E-11	0.006	0.007	0.435	0.012	44.353	TRUE	6.60E-11
PEF	GUSB	cg11987759	rs190523594	C	T	-0.714	0.129	0.019	2.91E-08	-0.006	0.009	0.501	0.008	30.751	TRUE	5.41E-08
PEF	GUSB	cg11987759	rs370971651	C	T	-0.533	0.057	0.040	9.38E-21	0.004	0.006	0.489	0.023	87.242	TRUE	4.19E-20
PEF	GUSB	cg11987759	rs375600228	C	T	0.510	0.057	0.046	1.83E-19	0.012	0.006	0.057	0.022	81.371	TRUE	2.27E-18
PEF	GUSB	cg11987759	rs62456514	G	A	0.465	0.045	0.069	1.10E-24	-0.001	0.005	0.915	0.028	105.148	TRUE	3.68E-24
PEF	GUSB	cg11987759	rs73132632	T	A	0.455	0.054	0.052	2.22E-17	0.007	0.006	0.213	0.019	71.903	TRUE	1.24E-16
PEF	GUSB	cg11987759	rs73141516	T	C	-0.584	0.049	0.058	7.56E-33	-0.010	0.005	0.056	0.037	142.423	TRUE	4.32E-31
PEF	GUSB	cg11987759	rs77859463	G	A	-0.362	0.029	0.214	2.67E-36	-0.002	0.003	0.552	0.041	158.208	TRUE	4.29E-35
PEF	GUSB	cg11987759	rs79871749	T	C	0.600	0.092	0.038	6.98E-11	0.003	0.007	0.693	0.011	42.502	TRUE	1.27E-10
PEF	GUSB	cg15893346	rs12698551	C	T	-0.273	0.047	0.066	8.37E-09	-0.010	0.005	0.055	0.009	33.170	TRUE	3.36E-08
PEF	GUSB	cg25588093	rs28565886	C	T	0.276	0.028	0.214	7.11E-23	0.004	0.003	0.155	0.026	96.898	TRUE	7.61E-22
PEF	GUSB	cg25588093	rs34848990	C	A	0.350	0.034	0.143	2.37E-25	-0.003	0.004	0.424	0.028	108.194	TRUE	1.75E-24
PEF	GUSB	cg25588093	rs62469880	A	G	1.485	0.054	0.046	8.74E-167	0.001	0.006	0.883	0.170	757.234	TRUE	1.09E-154
PEF	GUSB	cg25588093	rs6460317	G	A	0.213	0.025	0.319	3.00E-17	-0.003	0.003	0.292	0.019	71.304	TRUE	1.40E-16
PEF	HEXB	cg03235083	rs11743615	T	C	-0.297	0.036	0.121	1.49E-16	-0.001	0.004	0.797	0.018	68.146	TRUE	3.41E-16
PEF	HEXB	cg03235083	rs13360054	G	A	0.225	0.025	0.310	1.87E-19	0.001	0.003	0.638	0.022	81.328	TRUE	6.18E-19
PEF	HEXB	cg03235083	rs62366376	C	T	-0.272	0.039	0.090	4.74E-12	0.002	0.004	0.643	0.013	47.768	TRUE	9.59E-12
PEF	HEXB	cg03235083	rs71627068	C	T	-0.647	0.023	0.427	3.05E-176	0.001	0.003	0.724	0.178	800.706	TRUE	1.18E-162
PEF	HEXB	cg05552569	rs71627068	C	T	-0.311	0.024	0.427	4.52E-39	0.001	0.003	0.724	0.044	170.888	TRUE	6.99E-38
PEF	HEXB	cg08868930	rs55996695	A	G	-0.209	0.035	0.125	3.22E-09	0.000	0.004	0.965	0.009	35.030	TRUE	4.31E-09
PEF	HEXB	cg08868930	rs820867	T	C	-0.292	0.024	0.426	2.55E-35	0.001	0.003	0.764	0.040	153.722	TRUE	2.61E-34
PEF	HEXB	cg21230774	rs16872198	G	A	-0.223	0.030	0.171	1.85E-13	-0.005	0.003	0.150	0.014	54.132	TRUE	8.69E-13
PEF	HEXB	cg21230774	rs820871	T	C	0.412	0.026	0.256	4.90E-55	0.005	0.003	0.102	0.062	244.015	TRUE	3.37E-52
PEF	HEXB	cg26333638	rs13181798	T	C	-0.168	0.027	0.237	9.06E-10	-0.006	0.003	0.033	0.010	37.497	TRUE	4.53E-09

PEF	HIPK2	cg00363312	rs10247507	A	G	0.230	0.034	0.140	1.18E-11	-0.001	0.004	0.701	0.012	45.973	TRUE	2.26E-11
PEF	HIPK2	cg00363312	rs10954651	G	T	-0.353	0.034	0.335	9.22E-26	0.003	0.003	0.352	0.029	110.062	TRUE	8.02E-25
PEF	HIPK2	cg00363312	rs7781224	G	T	0.198	0.032	0.165	7.97E-10	0.008	0.003	0.018	0.010	37.748	TRUE	4.86E-09
PEF	HIPK2	cg01581050	rs74531640	G	A	-0.733	0.100	0.016	2.33E-13	-0.027	0.010	0.010	0.014	53.674	TRUE	2.50E-12
PEF	HIPK2	cg03202545	rs10954654	T	C	0.194	0.027	0.264	4.83E-13	0.004	0.003	0.224	0.014	52.244	TRUE	1.82E-12
PEF	HIPK2	cg03224163	rs1860509	G	T	-0.183	0.030	0.184	7.81E-10	0.008	0.003	0.012	0.010	37.787	TRUE	5.14E-09
PEF	HIPK2	cg03369382	rs11769961	C	A	-0.164	0.030	0.190	4.35E-08	0.008	0.003	0.011	0.008	29.972	TRUE	2.29E-07
PEF	HIPK2	cg03520802	rs193076588	G	C	-0.536	0.085	0.020	2.61E-10	-0.021	0.009	0.029	0.011	39.925	TRUE	1.46E-09
PEF	HIPK2	cg03520802	rs73156837	A	G	-1.758	0.098	0.017	1.17E-71	-0.026	0.011	0.015	0.080	320.261	TRUE	4.67E-67
PEF	HIPK2	cg11032313	rs4074827	A	G	-0.401	0.031	0.162	7.58E-38	0.008	0.003	0.014	0.043	165.285	TRUE	1.61E-35
PEF	HIPK2	cg11627968	rs10247507	A	G	-1.225	0.027	0.140	<1E-200	-0.001	0.004	0.701	0.353	2022.154	TRUE	<1E-200
PEF	HIPK2	cg11627968	rs10262234	C	T	-0.200	0.030	0.199	4.54E-11	0.000	0.003	0.973	0.012	43.343	TRUE	6.50E-11
PEF	HIPK2	cg11627968	rs10954651	G	T	0.242	0.034	0.335	1.15E-12	0.003	0.003	0.352	0.013	50.543	TRUE	3.42E-12
PEF	HIPK2	cg11627968	rs10954654	T	C	-0.315	0.027	0.264	4.33E-32	0.004	0.003	0.224	0.036	138.961	TRUE	9.59E-31
PEF	HIPK2	cg11627968	rs113802739	G	T	-1.091	0.177	0.011	7.84E-10	-0.006	0.011	0.610	0.010	37.780	TRUE	1.45E-09
PEF	HIPK2	cg11627968	rs185429996	A	G	-1.091	0.095	0.027	9.60E-31	0.002	0.007	0.812	0.035	132.810	TRUE	5.96E-30
PEF	HIPK2	cg11627968	rs2530731	C	G	-0.217	0.027	0.238	4.71E-16	-0.001	0.003	0.870	0.017	65.879	TRUE	9.68E-16
PEF	HIPK2	cg11627968	rs4725857	T	C	0.182	0.023	0.477	6.08E-15	-0.005	0.003	0.035	0.016	60.844	TRUE	5.54E-14
PEF	HIPK2	cg11627968	rs4732386	C	T	0.178	0.032	0.420	1.65E-08	0.001	0.003	0.796	0.009	31.857	TRUE	2.44E-08
PEF	HIPK2	cg11627968	rs7781224	G	T	-0.694	0.031	0.165	1.93E-109	0.008	0.003	0.018	0.118	493.724	TRUE	1.79E-101
PEF	HIPK2	cg11627968	rs7785404	T	C	-0.265	0.026	0.298	5.99E-25	0.001	0.003	0.726	0.028	106.354	TRUE	2.70E-24
PEF	HIPK2	cg11627968	rs7785516	C	T	0.301	0.054	0.117	2.45E-08	-0.004	0.004	0.366	0.008	31.082	TRUE	5.26E-08
PEF	HIPK2	cg11627968	rs7788362	A	G	-0.459	0.040	0.089	6.02E-30	-0.003	0.004	0.492	0.034	129.167	TRUE	5.78E-29
PEF	HIPK2	cg11627968	rs9768699	C	T	-0.246	0.035	0.406	1.44E-12	0.000	0.003	0.939	0.013	50.100	TRUE	2.29E-12
PEF	HIPK2	cg14405813	rs10277664	T	C	0.212	0.024	0.404	4.06E-19	0.001	0.003	0.686	0.021	79.799	TRUE	1.22E-18
PEF	HIPK2	cg14405813	rs116909157	A	G	-0.634	0.098	0.014	9.17E-11	0.008	0.009	0.392	0.011	41.969	TRUE	2.26E-10
PEF	HIPK2	cg14405813	rs117869586	C	T	-0.538	0.069	0.026	5.91E-15	0.007	0.008	0.409	0.016	60.899	TRUE	1.93E-14
PEF	HIPK2	cg14405813	rs12703062	C	T	-0.720	0.029	0.184	9.95E-135	0.009	0.003	0.008	0.142	609.906	TRUE	9.54E-124
PEF	HIPK2	cg14405813	rs1978180	T	C	-0.244	0.035	0.136	1.73E-12	0.003	0.004	0.443	0.013	49.745	TRUE	4.50E-12
PEF	HIPK2	cg14405813	rs68067734	G	C	-0.612	0.095	0.014	9.44E-11	-0.008	0.010	0.441	0.011	41.912	TRUE	2.18E-10
PEF	HIPK2	cg14630106	rs12707451	C	T	0.145	0.024	0.472	1.35E-09	-0.007	0.003	0.009	0.010	36.726	TRUE	9.17E-09
PEF	HIPK2	cg14630106	rs150564919	G	A	-0.536	0.071	0.029	5.87E-14	0.008	0.008	0.298	0.015	56.385	TRUE	2.10E-13
PEF	HIPK2	cg14630106	rs73486021	C	A	-0.500	0.042	0.089	6.84E-33	0.008	0.004	0.080	0.037	142.623	TRUE	3.18E-31
PEF	HIPK2	cg14630106	rs9718393	G	C	-0.600	0.025	0.313	4.17E-132	0.001	0.003	0.647	0.139	597.855	TRUE	9.19E-124
PEF	HIPK2	cg15039797	rs112288696	C	T	-0.177	0.030	0.182	5.79E-09	0.000	0.003	0.987	0.009	33.887	TRUE	7.58E-09
PEF	HIPK2	cg15039797	rs41274212	C	T	-0.990	0.038	0.096	8.98E-152	-0.003	0.004	0.480	0.157	688.234	TRUE	6.45E-141
PEF	HIPK2	cg15039797	rs7801393	C	T	0.195	0.030	0.195	6.82E-11	0.007	0.003	0.036	0.011	42.546	TRUE	3.79E-10
PEF	HIPK2	cg15535471	rs1464798	A	G	0.278	0.032	0.453	3.57E-18	-0.004	0.003	0.133	0.020	75.504	TRUE	2.62E-17
PEF	HIPK2	cg18993778	rs10235001	T	C	-1.474	0.033	0.085	<1E-200	-0.003	0.004	0.503	0.347	1966.070	TRUE	<1E-200
PEF	HIPK2	cg18993778	rs10247507	A	G	-0.313	0.034	0.140	2.92E-20	-0.001	0.004	0.701	0.022	84.997	TRUE	9.62E-20
PEF	HIPK2	cg18993778	rs139128188	C	T	-1.175	0.161	0.013	2.42E-13	0.005	0.011	0.641	0.014	53.604	TRUE	5.34E-13
PEF	HIPK2	cg18993778	rs4732393	C	T	0.212	0.034	0.335	5.78E-10	0.004	0.003	0.150	0.010	38.374	TRUE	1.91E-09

PEF	HIPK2	cg18993778	rs78068411	T	C	-0.489	0.053	0.097	4.05E-20	0.004	0.004	0.391	0.022	84.350	TRUE	2.03E-19
PEF	HIPK2	cg18993778	rs9801309	C	T	-0.231	0.042	0.188	2.60E-08	0.002	0.003	0.605	0.008	30.966	TRUE	4.41E-08
PEF	HIPK2	cg19246654	rs10276928	T	C	-0.784	0.038	0.097	4.51E-93	-0.003	0.004	0.492	0.102	418.547	TRUE	3.42E-88
PEF	HIPK2	cg19246654	rs78068411	T	C	-0.295	0.054	0.097	3.62E-08	0.004	0.004	0.391	0.008	30.327	TRUE	7.39E-08
PEF	HIPK2	cg22164250	rs6952940	T	C	-0.451	0.082	0.020	4.40E-08	-0.016	0.009	0.082	0.008	29.950	TRUE	1.48E-07
PEF	HIPK2	cg22164250	rs73156853	G	C	-1.304	0.100	0.016	8.53E-39	-0.025	0.011	0.020	0.044	169.627	TRUE	1.70E-36
PEF	HIPK2	cg23646343	rs1464798	A	G	0.455	0.032	0.453	7.81E-47	-0.004	0.003	0.133	0.053	206.428	TRUE	1.37E-44
PEF	HIPK2	cg23646343	rs6974895	G	C	-0.221	0.035	0.146	1.87E-10	0.006	0.004	0.081	0.011	40.573	TRUE	7.98E-10
PEF	HIPK2	cg23999318	rs1464798	A	G	0.258	0.032	0.453	1.00E-15	-0.004	0.003	0.133	0.017	64.390	TRUE	5.85E-15
PEF	HIPK2	cg24038192	rs10241798	C	T	-0.503	0.037	0.110	6.04E-42	-0.006	0.004	0.122	0.047	184.042	TRUE	6.56E-40
PEF	HIPK2	cg24540732	rs73156838	C	T	-1.177	0.098	0.017	5.50E-33	-0.024	0.011	0.022	0.037	143.055	TRUE	4.84E-31
PEF	HSP90AA1	cg02017208	rs111810795	C	T	-0.237	0.039	0.093	8.82E-10	0.005	0.004	0.238	0.010	37.549	TRUE	2.47E-09
PEF	HSP90AA1	cg02017208	rs112800775	T	C	-0.568	0.084	0.020	1.37E-11	0.014	0.009	0.119	0.012	45.684	TRUE	5.85E-11
PEF	HSP90AA1	cg02017208	rs11621083	T	A	-0.688	0.031	0.154	4.24E-107	0.014	0.004	6.95E-05	0.115	482.967	TRUE	7.23E-98
PEF	HSP90AA1	cg02017208	rs116948773	T	C	-0.419	0.057	0.038	1.90E-13	0.006	0.006	0.302	0.014	54.076	TRUE	6.51E-13
PEF	HSP90AA1	cg02017208	rs12896205	A	G	-0.493	0.066	0.034	7.42E-14	-0.001	0.007	0.924	0.015	55.925	TRUE	1.27E-13
PEF	HSP90AA1	cg02017208	rs148390046	A	G	-0.579	0.074	0.025	5.75E-15	0.013	0.008	0.106	0.016	60.953	TRUE	3.52E-14
PEF	HSP90AA1	cg02017208	rs736449	T	C	-0.263	0.041	0.090	9.94E-11	0.007	0.005	0.125	0.011	41.811	TRUE	3.88E-10
PEF	HSP90AA1	cg11789371	rs7156564	A	G	0.294	0.033	0.154	3.62E-19	0.014	0.004	7.77E-05	0.021	80.022	TRUE	2.76E-17
PEF	HSP90AA1	cg12776822	rs11621560	C	A	-0.330	0.025	0.314	1.10E-40	0.006	0.003	0.032	0.046	178.275	TRUE	2.24E-38
PEF	HSP90AA1	cg12776822	rs117528223	T	C	-0.361	0.065	0.035	3.45E-08	0.006	0.006	0.368	0.008	30.421	TRUE	7.18E-08
PEF	HSP90AA1	cg12776822	rs139112447	T	C	-0.594	0.085	0.050	3.43E-12	0.002	0.006	0.771	0.013	48.402	TRUE	6.22E-12
PEF	HSP90AA1	cg12776822	rs140204865	T	G	-0.454	0.083	0.020	4.82E-08	0.011	0.008	0.161	0.008	29.770	TRUE	1.33E-07
PEF	HSP90AA1	cg12776822	rs55804582	A	T	-0.258	0.037	0.119	1.69E-12	-0.006	0.004	0.138	0.013	49.789	TRUE	7.51E-12
PEF	HSP90AA1	cg23904247	rs6575894	C	T	0.358	0.049	0.061	3.60E-13	0.011	0.005	0.034	0.014	52.824	TRUE	2.68E-12
PEF	HSPA1B	cg04835051	rs1049709	C	T	0.271	0.031	0.170	2.85E-18	-0.045	0.003	6.02E-42	0.020	75.947	TRUE	4.90E-13
PEF	HSPA1B	cg04835051	rs2523834	A	T	0.155	0.025	0.334	7.57E-10	-0.026	0.003	1.60E-22	0.010	37.848	TRUE	3.23E-07
PEF	HSPA1B	cg04835051	rs2596464	T	C	-0.179	0.023	0.464	2.66E-14	0.010	0.003	1.28E-04	0.015	57.939	TRUE	8.60E-13
PEF	HSPA1B	cg04835051	rs2763979	T	C	0.352	0.025	0.351	1.24E-46	-0.018	0.003	2.70E-11	0.053	205.512	TRUE	3.73E-41
PEF	HSPA1B	cg04835051	rs41558815	A	G	-0.285	0.052	0.058	4.06E-08	0.004	0.006	0.426	0.008	30.102	TRUE	7.94E-08
PEF	HSPA1B	cg04835051	rs9268199	G	A	-0.208	0.030	0.198	2.01E-12	0.006	0.003	0.082	0.013	49.445	TRUE	1.05E-11
PEF	HSPA1B	cg04835051	rs9273455	T	C	0.267	0.028	0.188	3.39E-21	-0.044	0.004	9.32E-28	0.024	89.253	TRUE	1.68E-16
PEF	HSPA1B	cg04835051	rs9274409	A	G	0.181	0.033	0.308	3.17E-08	-0.001	0.003	0.726	0.008	30.584	TRUE	4.86E-08
PEF	HSPA1B	cg04835051	rs9276576	G	A	0.189	0.029	0.215	3.42E-11	-0.020	0.003	3.45E-11	0.012	43.898	TRUE	3.66E-09
PEF	HSPA1B	cg13911590	rs12524467	A	G	0.470	0.079	0.024	2.47E-09	0.025	0.009	0.004	0.010	35.547	TRUE	1.84E-08
PEF	HSPA1B	cg16372051	rs1049709	C	T	0.230	0.031	0.170	1.29E-13	-0.045	0.003	6.02E-42	0.015	54.842	TRUE	2.90E-09
PEF	HSPA1B	cg16372051	rs144223778	C	G	0.408	0.065	0.033	2.55E-10	-0.011	0.007	0.118	0.011	39.972	TRUE	9.58E-10
PEF	HSPA1B	cg16372051	rs2596464	T	C	-0.201	0.023	0.464	8.99E-18	0.010	0.003	1.28E-04	0.020	73.684	TRUE	5.08E-16
PEF	HSPA1B	cg16372051	rs2763979	T	C	0.376	0.024	0.351	3.17E-53	-0.018	0.003	2.70E-11	0.060	235.716	TRUE	3.94E-47
PEF	HSPA1B	cg16372051	rs9276577	G	A	0.209	0.029	0.202	9.29E-13	-0.020	0.003	9.40E-11	0.014	50.961	TRUE	1.49E-10
PEF	HSPA1B	cg19159162	rs6457452	T	C	-0.301	0.051	0.052	3.93E-09	-0.012	0.006	0.025	0.009	34.641	TRUE	1.95E-08
PEF	HSPA1B	cg19754746	rs35009002	C	A	-0.427	0.078	0.023	3.96E-08	-0.025	0.009	0.004	0.008	30.154	TRUE	2.56E-07

PEF	HSPA1B	cg21080034	rs1131500	T	C	0.152	0.025	0.299	1.94E-09	0.017	0.003	1.26E-09	0.010	36.009	TRUE	9.07E-08
PEF	HSPA1B	cg21080034	rs116383515	C	T	0.265	0.048	0.062	4.73E-08	0.006	0.005	0.217	0.008	29.807	TRUE	1.18E-07
PEF	HSPA1B	cg21080034	rs2272592	T	C	-0.164	0.029	0.197	1.59E-08	-0.002	0.003	0.583	0.009	31.921	TRUE	2.81E-08
PEF	HSPA1B	cg21080034	rs385306	A	G	0.268	0.028	0.217	2.30E-21	0.010	0.003	0.001	0.024	90.024	TRUE	1.27E-19
PEF	HSPA1B	cg21080034	rs760294	A	C	0.229	0.037	0.104	7.83E-10	-0.001	0.004	0.776	0.010	37.781	TRUE	1.26E-09
PEF	HSPA1B	cg21080034	rs9267661	T	C	0.655	0.095	0.015	4.66E-12	-0.012	0.009	0.190	0.013	47.798	TRUE	1.74E-11
PEF	HSPA1B	cg21080034	rs9469089	C	G	0.192	0.033	0.144	5.46E-09	0.010	0.004	0.003	0.009	34.000	TRUE	4.01E-08
PEF	HSPA1B	cg24239961	rs1049709	C	T	0.380	0.031	0.170	1.10E-34	-0.045	0.003	6.02E-42	0.039	150.827	TRUE	7.95E-27
PEF	HSPA1B	cg24239961	rs11576013	C	G	-0.513	0.089	0.021	7.06E-09	0.022	0.009	0.016	0.009	33.500	TRUE	3.80E-08
PEF	HSPA1B	cg24239961	rs1264309	G	A	-0.139	0.025	0.334	2.80E-08	0.025	0.003	1.12E-21	0.008	30.827	TRUE	6.28E-06
PEF	HSPA1B	cg24239961	rs1419881	A	G	0.201	0.023	0.488	7.13E-18	-0.027	0.003	3.52E-27	0.020	74.139	TRUE	1.21E-13
PEF	HSPA1B	cg24239961	rs144223778	C	G	0.470	0.065	0.033	3.18E-13	-0.011	0.007	0.118	0.014	53.065	TRUE	1.58E-12
PEF	HSPA1B	cg24239961	rs17207748	C	T	0.306	0.054	0.047	1.74E-08	0.018	0.006	0.003	0.009	31.747	TRUE	1.23E-07
PEF	HSPA1B	cg24239961	rs2243873	C	A	0.192	0.024	0.459	7.81E-16	-0.016	0.003	3.83E-10	0.017	64.882	TRUE	2.18E-13
PEF	HSPA1B	cg24239961	rs2523834	A	T	0.265	0.025	0.334	3.61E-26	-0.026	0.003	1.60E-22	0.029	111.920	TRUE	2.79E-21
PEF	HSPA1B	cg24239961	rs2596464	T	C	-0.225	0.023	0.464	7.03E-22	0.010	0.003	1.28E-04	0.024	92.365	TRUE	7.54E-20
PEF	HSPA1B	cg24239961	rs2736165	G	A	0.409	0.060	0.041	8.07E-12	-0.002	0.007	0.823	0.012	46.724	TRUE	1.37E-11
PEF	HSPA1B	cg24239961	rs2763979	T	C	0.625	0.024	0.351	2.77E-152	-0.018	0.003	2.70E-11	0.157	690.581	TRUE	1.33E-134
PEF	HSPA1B	cg24239961	rs547636337	A	T	-0.182	0.028	0.203	1.30E-10	0.008	0.003	0.007	0.011	41.293	TRUE	1.05E-09
PEF	HSPA1B	cg24239961	rs909253	G	A	0.180	0.024	0.360	1.68E-13	-0.003	0.003	0.338	0.014	54.320	TRUE	5.46E-13
PEF	HSPA1B	cg24239961	rs9268199	G	A	-0.269	0.030	0.198	8.53E-20	0.006	0.003	0.082	0.022	82.879	TRUE	9.32E-19
PEF	HSPA1B	cg24239961	rs9276577	G	A	0.321	0.029	0.202	2.19E-28	-0.020	0.003	9.40E-11	0.032	122.042	TRUE	1.18E-24
PEF	HYAL1	cg03655330	rs35926495	T	C	-0.262	0.024	0.380	6.25E-28	-0.001	0.003	0.833	0.031	119.959	TRUE	2.92E-27
PEF	HYAL1	cg03655330	rs916288	A	G	-0.144	0.025	0.351	6.29E-09	0.001	0.003	0.714	0.009	33.725	TRUE	1.02E-08
PEF	HYAL1	cg04380576	rs140406358	A	G	0.522	0.087	0.029	1.60E-09	-0.017	0.007	0.017	0.010	36.386	TRUE	9.19E-09
PEF	HYAL1	cg06360465	rs12637870	A	C	-0.184	0.030	0.189	4.74E-10	0.003	0.003	0.341	0.010	38.761	TRUE	1.17E-09
PEF	HYAL1	cg06360465	rs61731329	T	C	-1.893	0.161	0.011	4.88E-32	-0.007	0.011	0.543	0.036	138.722	TRUE	5.28E-31
PEF	HYAL2	cg07271561	rs114541445	G	A	-0.652	0.100	0.013	8.57E-11	0.000	0.010	0.971	0.011	42.101	TRUE	1.22E-10
PEF	HYAL2	cg07271561	rs142774456	G	C	-0.573	0.096	0.017	2.23E-09	-0.001	0.010	0.899	0.010	35.742	TRUE	3.16E-09
PEF	HYAL2	cg07271561	rs2073499	G	A	-0.662	0.034	0.131	1.41E-85	-0.007	0.004	0.070	0.094	384.138	TRUE	2.43E-80
PEF	HYAL2	cg07271561	rs2236952	G	C	-0.168	0.028	0.223	1.39E-09	0.000	0.003	0.958	0.010	36.662	TRUE	1.91E-09
PEF	HYAL2	cg07271561	rs2526386	C	T	-0.241	0.031	0.164	6.61E-15	0.000	0.003	0.958	0.016	60.679	TRUE	1.16E-14
PEF	HYAL2	cg07271561	rs2526399	T	C	-0.647	0.075	0.025	4.31E-18	-0.014	0.007	0.059	0.020	75.132	TRUE	4.63E-17
PEF	HYAL2	cg07271561	rs79685183	T	C	-0.487	0.087	0.018	2.49E-08	0.013	0.009	0.159	0.008	31.054	TRUE	7.08E-08
PEF	HYAL2	cg12150256	rs7642692	C	T	-0.343	0.038	0.104	4.18E-19	-0.010	0.004	0.018	0.021	79.741	TRUE	7.57E-18
PEF	HYAL2	cg12976582	rs12629572	G	T	-0.523	0.037	0.108	2.65E-44	-0.009	0.004	0.026	0.050	194.840	TRUE	9.47E-42
PEF	HYAL2	cg12976582	rs9311447	T	C	-0.533	0.088	0.017	1.09E-09	-0.012	0.008	0.143	0.010	37.128	TRUE	3.65E-09
PEF	HYAL2	cg13341668	rs12493985	G	T	-0.209	0.033	0.150	3.13E-10	-0.005	0.004	0.185	0.011	39.573	TRUE	1.01E-09
PEF	HYAL2	cg13341668	rs12629572	G	T	-0.468	0.038	0.108	1.00E-35	-0.009	0.004	0.026	0.040	155.578	TRUE	1.15E-33
PEF	HYOU1	cg01959004	rs12417928	A	G	-0.558	0.068	0.057	2.97E-16	-0.002	0.006	0.748	0.018	66.786	TRUE	7.04E-16
PEF	HYOU1	cg01959004	rs140058574	T	C	-0.955	0.161	0.014	3.18E-09	0.006	0.012	0.647	0.009	35.052	TRUE	5.50E-09
PEF	HYOU1	cg01959004	rs1784305	A	G	0.314	0.024	0.385	1.40E-39	0.003	0.003	0.271	0.045	173.218	TRUE	5.94E-38

PEF	HYOU1	cg01959004	rs470324	A	G	-1.102	0.027	0.165	<1E-200	-0.002	0.004	0.486	0.306	1632.139	TRUE	<1E-200
PEF	HYOU1	cg01959004	rs485030	T	C	-0.267	0.024	0.366	7.14E-28	0.002	0.003	0.542	0.031	119.696	TRUE	5.19E-27
PEF	HYOU1	cg01959004	rs688035	G	C	-0.145	0.024	0.351	2.63E-09	-0.007	0.003	0.006	0.009	35.422	TRUE	1.82E-08
PEF	HYOU1	cg01959004	rs7940651	C	G	-0.573	0.089	0.033	1.34E-10	-0.004	0.007	0.614	0.011	41.233	TRUE	2.58E-10
PEF	HYOU1	cg02213487	rs12276550	G	A	0.188	0.031	0.168	1.95E-09	-0.002	0.004	0.519	0.010	36.003	TRUE	3.86E-09
PEF	HYOU1	cg20396526	rs145680506	T	C	0.511	0.047	0.080	6.08E-28	0.011	0.005	0.030	0.031	120.015	TRUE	2.66E-26
PEF	HYOU1	cg20396526	rs3901422	A	G	-0.139	0.023	0.500	1.42E-09	-0.004	0.003	0.157	0.010	36.617	TRUE	4.62E-09
PEF	HYOU1	cg20396526	rs474201	G	A	0.238	0.023	0.442	2.94E-24	-0.001	0.003	0.836	0.027	103.203	TRUE	1.05E-23
PEF	HYOU1	cg20396526	rs485030	T	C	0.171	0.024	0.366	1.88E-12	0.002	0.003	0.542	0.013	49.583	TRUE	4.31E-12
PEF	HYOU1	cg20396526	rs76317037	G	A	0.583	0.057	0.043	8.30E-25	0.018	0.006	0.002	0.028	105.709	TRUE	6.12E-23
PEF	ICAM1	cg02776148	rs118167853	T	C	0.703	0.091	0.015	1.29E-14	0.021	0.010	0.044	0.016	59.361	TRUE	1.05E-13
PEF	ICAM1	cg02776148	rs12972990	G	T	0.258	0.023	0.436	4.93E-29	-0.003	0.003	0.291	0.033	124.996	TRUE	6.92E-28
PEF	ICAM1	cg24354612	rs281436	A	G	-0.201	0.025	0.310	2.11E-15	0.008	0.003	0.005	0.017	62.929	TRUE	3.62E-14
PEF	ICAM4	cg00500176	rs149324369	T	G	-0.373	0.065	0.034	1.05E-08	0.003	0.007	0.701	0.009	32.725	TRUE	1.69E-08
PEF	ICAM4	cg00500176	rs17852402	A	G	0.194	0.033	0.140	4.58E-09	-0.005	0.004	0.181	0.009	34.340	TRUE	1.33E-08
PEF	ICAM4	cg00500176	rs281427	T	C	0.215	0.031	0.160	8.18E-12	-0.003	0.003	0.374	0.012	46.698	TRUE	2.25E-11
PEF	ICAM4	cg00500176	rs281436	A	G	-0.509	0.025	0.310	6.06E-94	0.008	0.003	0.005	0.103	422.551	TRUE	4.43E-87
PEF	ICAM4	cg00500176	rs61223991	T	C	-0.215	0.039	0.100	3.93E-08	0.011	0.004	0.006	0.008	30.168	TRUE	2.32E-07
PEF	ICAM4	cg00500176	rs78064630	A	G	-0.281	0.043	0.082	6.85E-11	0.002	0.005	0.619	0.011	42.538	TRUE	1.35E-10
PEF	ICAM4	cg00500176	rs8101365	T	C	-0.187	0.028	0.246	1.22E-11	0.002	0.003	0.477	0.012	45.915	TRUE	2.87E-11
PEF	ICAM4	cg20036207	rs10411056	C	A	-0.470	0.040	0.083	3.47E-31	0.007	0.005	0.129	0.035	134.831	TRUE	1.00E-29
PEF	ICAM4	cg20036207	rs10420549	C	T	0.258	0.024	0.422	6.01E-27	-0.005	0.003	0.032	0.030	115.473	TRUE	2.23E-25
PEF	ICAM4	cg20036207	rs11666992	C	T	0.290	0.045	0.075	1.01E-10	-0.001	0.005	0.899	0.011	41.771	TRUE	1.53E-10
PEF	ICAM4	cg20036207	rs140752376	A	G	0.446	0.070	0.031	1.91E-10	0.007	0.007	0.347	0.011	40.532	TRUE	4.87E-10
PEF	ICAM4	cg20036207	rs144468331	G	C	-0.505	0.059	0.036	9.38E-18	0.001	0.006	0.890	0.020	73.598	TRUE	2.06E-17
PEF	ICAM4	cg20036207	rs145427182	A	G	-0.491	0.079	0.024	5.48E-10	0.001	0.008	0.892	0.010	38.478	TRUE	7.99E-10
PEF	ICAM4	cg20036207	rs17852402	A	G	0.360	0.033	0.140	1.22E-27	-0.005	0.004	0.181	0.031	118.640	TRUE	1.97E-26
PEF	ICAM4	cg20036207	rs1799969	A	G	0.392	0.036	0.125	2.51E-28	-0.003	0.004	0.464	0.032	121.766	TRUE	2.21E-27
PEF	ICAM4	cg20036207	rs2017213	A	T	-0.158	0.024	0.400	3.07E-11	0.005	0.003	0.046	0.012	44.111	TRUE	1.65E-10
PEF	ICAM4	cg20036207	rs2358581	T	G	0.531	0.026	0.254	2.40E-92	-0.004	0.003	0.126	0.101	415.212	TRUE	8.28E-87
PEF	ICAM4	cg20036207	rs2569507	A	G	0.212	0.024	0.476	2.86E-19	-0.008	0.003	0.002	0.021	80.489	TRUE	9.66E-18
PEF	ICAM4	cg20036207	rs280497	A	G	0.326	0.023	0.481	2.01E-44	-0.005	0.003	0.075	0.050	195.394	TRUE	4.15E-42
PEF	ICAM4	cg20036207	rs281416	A	G	0.521	0.024	0.356	1.37E-105	-0.005	0.003	0.069	0.114	476.033	TRUE	1.53E-98
PEF	ICAM4	cg20036207	rs281431	C	T	-0.785	0.021	0.395	<1E-200	0.005	0.003	0.061	0.278	1425.032	TRUE	9.97E-273
PEF	ICAM4	cg20036207	rs3181050	T	C	-0.614	0.051	0.062	3.45E-33	0.006	0.005	0.314	0.037	143.978	TRUE	6.83E-32
PEF	ICAM4	cg20036207	rs35948484	G	C	-0.235	0.041	0.096	9.77E-09	0.000	0.004	0.984	0.009	32.868	TRUE	1.26E-08
PEF	ICAM4	cg20036207	rs4611572	C	G	-0.266	0.024	0.405	6.26E-29	0.005	0.003	0.053	0.033	124.522	TRUE	2.25E-27
PEF	ICAM4	cg20036207	rs4804511	C	T	-0.199	0.027	0.259	2.35E-13	0.004	0.003	0.151	0.014	53.662	TRUE	1.08E-12
PEF	ICAM4	cg20036207	rs74956615	A	T	0.639	0.080	0.039	1.17E-15	0.009	0.006	0.092	0.017	64.084	TRUE	8.10E-15
PEF	ICAM4	cg20036207	rs75161693	C	T	-0.748	0.046	0.074	1.45E-60	0.007	0.005	0.170	0.068	269.362	TRUE	1.51E-57
PEF	ICAM4	cg20036207	rs75239980	C	G	-0.446	0.041	0.083	4.89E-28	0.009	0.004	0.031	0.032	120.445	TRUE	2.01E-26
PEF	ICAM4	cg20036207	rs80066865	G	C	0.400	0.061	0.042	4.05E-11	-0.005	0.006	0.416	0.012	43.565	TRUE	9.96E-11

PEF	ICAM4	cg20036207	rs8103246	G	A	0.408	0.042	0.080	1.41E-22	-0.004	0.004	0.417	0.025	95.540	TRUE	8.30E-22
PEF	ICAM4	cg20036207	rs8106605	G	T	0.192	0.032	0.165	1.31E-09	-0.004	0.004	0.272	0.010	36.773	TRUE	3.50E-09
PEF	ICAM4	cg20036207	rs8107814	T	C	0.233	0.039	0.104	1.79E-09	0.002	0.004	0.660	0.010	36.174	TRUE	3.07E-09
PEF	ICAM4	cg20036207	rs8108428	A	G	-0.147	0.026	0.287	9.44E-09	0.002	0.003	0.520	0.009	32.935	TRUE	1.77E-08
PEF	IFNGR2	cg08173915	rs10775653	C	G	0.368	0.024	0.374	3.43E-53	-0.005	0.003	0.075	0.060	235.559	TRUE	2.28E-50
PEF	IFNGR2	cg08173915	rs4817580	A	G	-0.213	0.039	0.110	3.89E-08	-0.005	0.004	0.264	0.008	30.187	TRUE	9.22E-08
PEF	IFNGR2	cg10572943	rs13052087	T	C	0.489	0.027	0.221	1.58E-71	0.008	0.003	0.011	0.080	319.657	TRUE	7.36E-67
PEF	IFNGR2	cg10572943	rs148257985	C	T	0.441	0.064	0.029	5.51E-12	0.019	0.007	0.010	0.013	47.472	TRUE	4.92E-11
PEF	IFNGR2	cg10572943	rs2298677	G	A	0.184	0.031	0.158	4.19E-09	0.005	0.003	0.118	0.009	34.516	TRUE	1.40E-08
PEF	IFNGR2	cg10572943	rs2409495	A	G	-0.188	0.030	0.189	6.97E-10	0.008	0.003	0.013	0.010	38.009	TRUE	4.53E-09
PEF	IFNGR2	cg10572943	rs2834270	A	G	-0.143	0.025	0.338	5.07E-09	0.005	0.003	0.052	0.009	34.143	TRUE	2.09E-08
PEF	IFNGR2	cg10572943	rs7277167	T	C	-0.278	0.038	0.114	1.46E-13	-0.015	0.004	3.35E-04	0.015	54.594	TRUE	3.27E-12
PEF	IFNGR2	cg14850771	rs146747530	A	G	0.794	0.095	0.017	5.12E-17	-0.028	0.010	0.006	0.019	70.252	TRUE	1.03E-15
PEF	IFNGR2	cg14850771	rs1892588	A	G	-0.210	0.023	0.480	1.90E-19	0.010	0.003	1.69E-04	0.022	81.299	TRUE	1.35E-17
PEF	IFNGR2	cg14850771	rs2243600	T	G	0.179	0.026	0.280	6.69E-12	0.000	0.003	0.939	0.013	47.090	TRUE	1.02E-11
PEF	IFNGR2	cg14850771	rs2834207	G	C	0.230	0.025	0.319	8.31E-21	-0.005	0.003	0.046	0.023	87.481	TRUE	1.30E-19
PEF	IFNGR2	cg14850771	rs7282780	A	T	-0.199	0.025	0.344	2.23E-15	0.007	0.003	0.007	0.017	62.821	TRUE	3.30E-14
PEF	IFNGR2	cg14850771	rs75500040	C	T	0.842	0.087	0.019	3.38E-22	-0.007	0.009	0.443	0.025	93.816	TRUE	1.83E-21
PEF	IFNGR2	cg14850771	rs8134145	C	A	1.029	0.032	0.147	5.86E-234	-0.018	0.004	6.03E-07	0.224	1066.071	TRUE	2.26E-205
PEF	IFNGR2	cg14850771	rs9631188	A	G	0.939	0.142	0.010	3.32E-11	-0.027	0.010	0.005	0.012	43.957	TRUE	3.19E-10
PEF	IFNGR2	cg14850771	rs9647067	A	G	-0.203	0.024	0.356	3.48E-17	0.008	0.003	0.002	0.019	71.011	TRUE	9.46E-16
PEF	IFNGR2	cg20817150	rs7277167	T	C	-0.264	0.038	0.114	2.01E-12	-0.015	0.004	3.35E-04	0.013	49.446	TRUE	3.77E-11
PEF	IFNGR2	cg20817150	rs9976971	A	G	0.231	0.024	0.431	1.48E-22	0.000	0.003	0.896	0.025	95.453	TRUE	4.32E-22
PEF	IFNGR2	cg22212414	rs12626309	T	A	0.561	0.027	0.223	1.40E-95	0.008	0.003	0.010	0.104	430.070	TRUE	7.55E-89
PEF	IFNGR2	cg22212414	rs13051355	T	C	0.238	0.041	0.094	5.21E-09	0.021	0.004	1.96E-06	0.009	34.093	TRUE	1.11E-07
PEF	IFNGR2	cg22212414	rs148257985	C	T	0.517	0.064	0.029	4.48E-16	0.019	0.007	0.010	0.018	65.976	TRUE	6.70E-15
PEF	IFNGR2	cg22212414	rs2298677	G	A	0.210	0.031	0.158	2.10E-11	0.005	0.003	0.118	0.012	44.849	TRUE	8.78E-11
PEF	IFNGR2	cg22212414	rs2409495	A	G	-0.206	0.030	0.189	1.15E-11	0.008	0.003	0.013	0.012	46.027	TRUE	9.41E-11
PEF	IFNGR2	cg22212414	rs2834270	A	G	-0.159	0.024	0.338	9.12E-11	0.005	0.003	0.052	0.011	41.978	TRUE	4.57E-10
PEF	IFNGR2	cg22212414	rs7277167	T	C	-0.316	0.037	0.114	3.27E-17	-0.015	0.004	3.35E-04	0.019	71.136	TRUE	1.28E-15
PEF	IFNGR2	cg22669060	rs1804385	G	C	0.356	0.028	0.223	3.88E-38	0.008	0.003	0.009	0.043	166.617	TRUE	1.01E-35
PEF	IFNGR2	cg22669060	rs34640959	A	G	0.455	0.070	0.025	9.84E-11	0.016	0.008	0.056	0.011	41.831	TRUE	4.86E-10
PEF	IFNGR2	cg22669060	rs6517169	C	T	0.177	0.024	0.353	3.40E-13	-0.010	0.003	2.51E-04	0.014	52.933	TRUE	8.22E-12
PEF	IFNGR2	cg24865779	rs12626309	T	A	0.590	0.027	0.223	4.63E-105	0.008	0.003	0.010	0.114	473.607	TRUE	2.04E-97
PEF	IFNGR2	cg24865779	rs13051355	T	C	0.232	0.041	0.094	1.25E-08	0.021	0.004	1.96E-06	0.009	32.394	TRUE	2.45E-07
PEF	IFNGR2	cg24865779	rs2409495	A	G	-0.202	0.030	0.189	3.21E-11	0.008	0.003	0.013	0.012	44.022	TRUE	2.48E-10
PEF	IFNGR2	cg24865779	rs34640959	A	G	0.588	0.070	0.025	6.69E-17	0.016	0.008	0.056	0.019	69.724	TRUE	6.39E-16
PEF	IFNGR2	cg24865779	rs7277167	T	C	-0.308	0.038	0.114	2.34E-16	-0.015	0.004	3.35E-04	0.018	67.253	TRUE	8.07E-15
PEF	IFNGR2	cg27469991	rs2834233	G	A	-0.301	0.038	0.103	3.83E-15	-0.014	0.004	7.80E-04	0.016	61.750	TRUE	9.64E-14
PEF	IFNGR2	cg27469991	rs9975466	C	T	0.268	0.043	0.095	3.71E-10	-0.003	0.005	0.486	0.010	39.238	TRUE	7.96E-10
PEF	IFNGR2	cg27469991	rs9976971	A	G	0.254	0.024	0.431	4.21E-27	0.000	0.003	0.896	0.030	116.178	TRUE	1.70E-26
PEF	IGF1	cg20874044	rs11111224	G	A	0.167	0.030	0.192	4.50E-08	-0.008	0.003	0.011	0.008	29.904	TRUE	2.37E-07

PEF	IGF1	cg20874044	rs5742612	G	A	0.942	0.067	0.033	1.69E-45	0.024	0.007	5.13E-04	0.051	200.308	TRUE	4.27E-42
PEF	IGF1	cg20874044	rs74900775	C	T	0.371	0.063	0.038	5.12E-09	0.013	0.006	0.035	0.009	34.124	TRUE	2.38E-08
PEF	IGF1	cg20874044	rs855227	T	C	0.206	0.034	0.136	1.21E-09	0.010	0.004	0.004	0.010	36.929	TRUE	9.51E-09
PEF	IGF1	cg25163611	rs7965399	C	T	-0.380	0.062	0.039	6.45E-10	0.021	0.007	0.001	0.010	38.160	TRUE	6.73E-09
PEF	IGF2R	cg02744937	rs761388	G	A	-0.270	0.039	0.120	5.40E-12	0.001	0.004	0.738	0.013	47.510	TRUE	9.95E-12
PEF	IGF2R	cg03634777	rs148098552	C	T	-0.271	0.048	0.074	1.93E-08	-0.010	0.005	0.037	0.008	31.549	TRUE	8.15E-08
PEF	IGF2R	cg03634777	rs3798178	G	A	-0.229	0.026	0.377	2.32E-18	-0.004	0.003	0.106	0.020	76.352	TRUE	1.99E-17
PEF	IGF2R	cg03634777	rs662138	G	C	0.288	0.031	0.195	4.26E-20	0.000	0.003	0.894	0.022	84.249	TRUE	1.07E-19
PEF	IGF2R	cg05291059	rs7746102	C	T	0.172	0.030	0.228	1.31E-08	-0.006	0.003	0.036	0.009	32.303	TRUE	5.69E-08
PEF	IGF2R	cg06180108	rs3737088	T	C	-0.381	0.060	0.048	2.74E-10	0.000	0.006	0.974	0.011	39.832	TRUE	3.80E-10
PEF	IGF2R	cg10512472	rs138112329	A	G	0.272	0.044	0.086	5.79E-10	0.005	0.005	0.255	0.010	38.370	TRUE	1.61E-09
PEF	IGF2R	cg10512472	rs3777392	T	C	-0.232	0.041	0.106	1.45E-08	0.004	0.004	0.320	0.009	32.102	TRUE	3.31E-08
PEF	IGF2R	cg10512472	rs3798207	G	A	-0.231	0.036	0.147	1.49E-10	-0.001	0.004	0.793	0.011	41.017	TRUE	2.42E-10
PEF	IGF2R	cg10512472	rs609043	C	T	-0.227	0.030	0.234	2.19E-14	-0.004	0.003	0.202	0.016	58.324	TRUE	9.75E-14
PEF	IGF2R	cg10512472	rs707771	T	C	0.187	0.026	0.394	2.68E-13	0.002	0.003	0.483	0.014	53.402	TRUE	7.01E-13
PEF	IGF2R	cg10512472	rs791198	T	C	0.193	0.027	0.341	7.61E-13	0.004	0.003	0.170	0.014	51.352	TRUE	3.18E-12
PEF	IGF2R	cg10512472	rs806383	T	C	0.155	0.026	0.328	4.82E-09	0.002	0.003	0.511	0.009	34.241	TRUE	9.35E-09
PEF	IGF2R	cg10512472	rs8191824	A	G	0.311	0.046	0.074	1.50E-11	-0.007	0.005	0.149	0.012	45.512	TRUE	5.84E-11
PEF	IGF2R	cg10512472	rs9346805	T	C	0.249	0.038	0.131	4.50E-11	0.004	0.004	0.264	0.012	43.361	TRUE	1.34E-10
PEF	IGF2R	cg10512472	rs9347380	A	G	0.193	0.028	0.287	5.11E-12	0.006	0.003	0.029	0.013	47.618	TRUE	3.41E-11
PEF	IGF2R	cg10512472	rs998075	G	A	-0.601	0.025	0.463	1.48E-129	-0.003	0.003	0.188	0.137	586.142	TRUE	1.44E-120
PEF	IGF2R	cg12754982	rs10806724	C	T	0.290	0.027	0.343	3.76E-27	0.004	0.003	0.137	0.031	116.401	TRUE	6.97E-26
PEF	IGF2R	cg12754982	rs12209517	G	C	0.234	0.038	0.132	5.30E-10	0.006	0.004	0.093	0.010	38.544	TRUE	2.07E-09
PEF	IGF2R	cg12754982	rs57570593	G	T	-0.380	0.032	0.184	1.53E-32	-0.008	0.003	0.018	0.037	141.022	TRUE	1.50E-30
PEF	IGF2R	cg12754982	rs614890	T	G	0.193	0.026	0.400	1.23E-13	0.003	0.003	0.181	0.015	54.933	TRUE	5.25E-13
PEF	IGF2R	cg12754982	rs8191835	G	A	0.251	0.036	0.151	2.62E-12	0.009	0.003	0.009	0.013	48.928	TRUE	2.57E-11
PEF	IGF2R	cg15850155	rs761388	G	A	-0.325	0.039	0.120	9.08E-17	0.001	0.004	0.738	0.018	69.123	TRUE	2.22E-16
PEF	IGF2R	cg16111231	rs73019670	A	G	-0.455	0.049	0.071	1.58E-20	0.004	0.005	0.365	0.023	86.215	TRUE	8.63E-20
PEF	IGF2R	cg17154159	rs10945649	A	T	0.294	0.038	0.131	5.88E-15	0.004	0.004	0.251	0.016	60.907	TRUE	2.46E-14
PEF	IGF2R	cg18189591	rs220726	A	T	0.197	0.030	0.224	9.13E-11	0.001	0.003	0.733	0.011	41.976	TRUE	1.58E-10
PEF	IGF2R	cg18189591	rs57570593	G	T	-0.215	0.032	0.184	2.33E-11	-0.008	0.003	0.018	0.012	44.644	TRUE	1.72E-10
PEF	IGF2R	cg19166759	rs461473	A	G	-0.270	0.044	0.087	5.90E-10	0.004	0.004	0.361	0.010	38.335	TRUE	1.44E-09
PEF	IGF2R	cg25484127	rs7746102	C	T	0.253	0.030	0.228	5.22E-17	-0.006	0.003	0.036	0.019	70.215	TRUE	5.90E-16
PEF	IGF2R	cg25754852	rs662138	G	C	0.227	0.031	0.195	5.06E-13	0.000	0.003	0.894	0.014	52.154	TRUE	8.50E-13
PEF	IGF2R	cg25754852	rs9456496	G	A	0.218	0.040	0.116	4.29E-08	0.004	0.004	0.300	0.008	29.997	TRUE	9.60E-08
PEF	IL10	cg15096505	rs1800871	A	G	0.214	0.028	0.240	1.49E-14	-0.007	0.003	0.017	0.016	59.076	TRUE	1.62E-13
PEF	IL10	cg15096505	rs3024492	A	T	-0.275	0.026	0.274	7.37E-26	0.002	0.003	0.385	0.029	110.506	TRUE	6.01E-25
PEF	IL10	cg17067005	rs1800871	A	G	0.224	0.028	0.240	3.48E-16	-0.007	0.003	0.017	0.018	66.476	TRUE	4.59E-15
PEF	IL4R	cg01165142	rs2057768	T	C	0.144	0.025	0.311	1.23E-08	0.005	0.003	0.065	0.009	32.418	TRUE	4.76E-08
PEF	IL4R	cg26937798	rs12445654	A	G	-0.241	0.043	0.076	2.69E-08	0.011	0.005	0.021	0.008	30.906	TRUE	1.27E-07
PEF	IL4R	cg26937798	rs1805012	C	T	-0.264	0.038	0.100	2.88E-12	0.004	0.004	0.366	0.013	48.743	TRUE	8.14E-12
PEF	IL4R	cg26937798	rs6498011	A	G	0.427	0.023	0.402	2.52E-74	0.006	0.003	0.031	0.082	332.487	TRUE	9.83E-70

PEF	IL4R	cg26937798	rs8044444	T	C	-0.471	0.032	0.147	3.86E-48	0.003	0.004	0.410	0.054	212.413	TRUE	3.16E-46
PEF	IL6R	cg05756780	rs4133213	A	C	0.151	0.024	0.424	2.62E-10	-0.010	0.003	1.34E-04	0.011	39.916	TRUE	4.09E-09
PEF	IL6R	cg05756780	rs6427641	G	A	0.172	0.024	0.429	4.51E-13	-0.002	0.003	0.350	0.014	52.382	TRUE	1.42E-12
PEF	IL6R	cg06980173	rs12075836	T	C	-0.194	0.032	0.152	1.47E-09	0.003	0.004	0.427	0.010	36.556	TRUE	3.16E-09
PEF	IL6R	cg06980173	rs4845619	T	G	-0.136	0.024	0.436	1.08E-08	0.009	0.003	2.58E-04	0.009	32.676	TRUE	1.20E-07
PEF	IL6R	cg09257526	rs6690230	C	G	-0.171	0.024	0.392	1.63E-12	0.006	0.003	0.022	0.013	49.854	TRUE	1.26E-11
PEF	IL6R	cg13549904	rs114660934	A	G	-0.371	0.066	0.036	2.01E-08	0.004	0.006	0.499	0.008	31.464	TRUE	3.78E-08
PEF	IL6R	cg13549904	rs1889312	A	G	0.132	0.024	0.436	2.43E-08	-0.001	0.003	0.830	0.008	31.096	TRUE	3.44E-08
PEF	IL6R	cg13549904	rs55668699	A	T	-0.391	0.028	0.225	6.03E-44	0.008	0.003	0.014	0.050	193.205	TRUE	3.11E-41
PEF	IL6R	cg15633035	rs41304552	T	C	0.442	0.063	0.035	3.01E-12	-0.018	0.006	0.002	0.013	48.657	TRUE	3.89E-11
PEF	IL6R	cg17001401	rs12739228	A	G	0.578	0.063	0.033	2.44E-20	0.002	0.007	0.722	0.023	85.352	TRUE	7.76E-20
PEF	IL6R	cg20688791	rs11265611	G	A	-0.189	0.024	0.409	3.77E-15	0.010	0.003	7.16E-05	0.016	61.783	TRUE	1.54E-13
PEF	IL6R	cg21262032	rs10796927	C	T	0.170	0.026	0.290	6.45E-11	-0.008	0.003	0.005	0.011	42.656	TRUE	5.78E-10
PEF	IL6R	cg21262032	rs11577167	T	C	-0.448	0.069	0.028	7.08E-11	0.012	0.008	0.144	0.011	42.473	TRUE	2.64E-10
PEF	IL6R	cg21262032	rs12023772	A	G	0.180	0.032	0.157	2.82E-08	-0.010	0.003	0.003	0.008	30.811	TRUE	1.95E-07
PEF	IL6R	cg21262032	rs144029367	C	T	-0.553	0.095	0.020	5.14E-09	0.008	0.009	0.401	0.009	34.117	TRUE	1.10E-08
PEF	IL6R	cg21262032	rs1685627	A	G	-0.171	0.024	0.400	1.32E-12	0.004	0.003	0.115	0.013	50.271	TRUE	6.27E-12
PEF	IL6R	cg21262032	rs1889312	A	G	0.183	0.024	0.436	1.66E-14	-0.001	0.003	0.830	0.016	58.865	TRUE	3.20E-14
PEF	IL6R	cg21262032	rs35013837	T	C	0.273	0.044	0.142	3.35E-10	0.000	0.004	0.936	0.011	39.440	TRUE	4.78E-10
PEF	IL6R	cg21262032	rs60517797	C	T	-0.247	0.040	0.100	8.12E-10	-0.001	0.005	0.767	0.010	37.712	TRUE	1.31E-09
PEF	IL6R	cg21262032	rs6427672	C	T	-0.731	0.027	0.233	2.86E-164	0.008	0.003	0.006	0.168	745.675	TRUE	1.99E-149
PEF	IL6R	cg21262032	rs79480105	A	G	-0.599	0.069	0.033	2.77E-18	0.003	0.006	0.632	0.020	76.009	TRUE	8.51E-18
PEF	IL6R	cg21262032	rs9427103	G	A	-0.217	0.031	0.175	1.69E-12	0.006	0.003	0.057	0.013	49.788	TRUE	9.86E-12
PEF	IL6R	cg25135018	rs6427672	C	T	-0.246	0.028	0.233	7.14E-19	0.008	0.003	0.006	0.021	78.682	TRUE	1.80E-17
PEF	INF2	cg01836137	rs4983529	T	C	-0.252	0.023	0.471	1.20E-27	0.011	0.003	2.51E-05	0.031	118.669	TRUE	4.82E-25
PEF	INF2	cg01836137	rs56121689	A	G	0.406	0.027	0.236	9.10E-51	-0.011	0.003	1.14E-04	0.057	224.451	TRUE	8.94E-47
PEF	INF2	cg02305961	rs61758556	T	A	0.219	0.036	0.142	1.25E-09	-0.004	0.004	0.217	0.010	36.873	TRUE	3.56E-09
PEF	INF2	cg02305961	rs76147286	T	C	0.479	0.042	0.148	2.13E-30	-0.009	0.004	0.011	0.034	131.224	TRUE	1.92E-28
PEF	INF2	cg02878289	rs10133301	T	C	0.277	0.040	0.159	2.76E-12	-0.008	0.004	0.017	0.013	48.825	TRUE	2.23E-11
PEF	INF2	cg02878289	rs4077520	G	A	0.135	0.024	0.334	2.21E-08	-0.011	0.003	4.85E-05	0.008	31.282	TRUE	2.87E-07
PEF	INF2	cg02918593	rs12588561	C	T	0.219	0.025	0.344	5.66E-19	-0.007	0.003	0.013	0.021	79.141	TRUE	1.12E-17
PEF	INF2	cg02918593	rs7156096	G	A	0.448	0.023	0.455	1.89E-85	-0.013	0.003	3.41E-07	0.094	383.550	TRUE	2.02E-77
PEF	INF2	cg03573445	rs4983529	T	C	-0.191	0.023	0.471	1.08E-16	0.011	0.003	2.51E-05	0.018	68.785	TRUE	7.11E-15
PEF	INF2	cg04278105	rs7156936	G	A	-0.213	0.027	0.239	2.10E-15	-0.006	0.003	0.031	0.017	62.938	TRUE	2.04E-14
PEF	INF2	cg04573078	rs2498802	C	G	0.190	0.025	0.337	1.33E-14	-0.012	0.003	7.23E-06	0.016	59.301	TRUE	6.92E-13
PEF	INF2	cg04573078	rs3809456	A	G	-0.418	0.023	0.485	3.68E-76	0.010	0.003	5.69E-05	0.084	340.911	TRUE	5.53E-70
PEF	INF2	cg04573078	rs59578182	A	G	0.239	0.039	0.099	8.40E-10	0.009	0.004	0.044	0.010	37.644	TRUE	4.02E-09
PEF	INF2	cg04966159	rs4247032	A	G	-0.253	0.027	0.231	3.82E-20	-0.012	0.003	9.36E-05	0.022	84.464	TRUE	3.19E-18
PEF	INF2	cg05210373	rs4247032	A	G	-0.257	0.028	0.231	1.05E-20	-0.012	0.003	9.36E-05	0.023	87.021	TRUE	9.55E-19
PEF	INF2	cg05873568	rs36016599	A	C	-0.413	0.040	0.094	2.66E-25	0.008	0.005	0.074	0.028	107.959	TRUE	5.49E-24
PEF	INF2	cg11730703	rs11160818	A	G	0.256	0.043	0.143	2.44E-09	-0.010	0.004	0.008	0.010	35.564	TRUE	1.63E-08
PEF	INF2	cg11730703	rs4334222	A	G	-0.388	0.023	0.429	2.16E-63	0.011	0.003	2.94E-05	0.071	282.331	TRUE	3.42E-58

PEF	INF2	cg11730703	rs4996691	G	A	0.762	0.039	0.092	3.38E-84	-0.011	0.004	0.009	0.093	377.804	TRUE	1.94E-78
PEF	INF2	cg13578465	rs11160818	A	G	0.269	0.043	0.143	3.53E-10	-0.010	0.004	0.008	0.011	39.333	TRUE	2.65E-09
PEF	INF2	cg13578465	rs4334222	A	G	-0.432	0.023	0.429	1.33E-78	0.011	0.003	2.94E-05	0.087	352.114	TRUE	4.40E-72
PEF	INF2	cg13578465	rs4996691	G	A	0.877	0.039	0.092	1.35E-112	-0.011	0.004	0.009	0.121	508.213	TRUE	3.93E-104
PEF	INF2	cg13590876	rs4983529	T	C	-0.146	0.023	0.471	2.72E-10	0.011	0.003	2.51E-05	0.011	39.846	TRUE	5.67E-09
PEF	INF2	cg16004738	rs1130245	T	C	-0.448	0.074	0.049	1.11E-09	-0.004	0.006	0.534	0.010	37.103	TRUE	2.17E-09
PEF	INF2	cg16004738	rs4077159	T	G	-0.723	0.039	0.099	3.42E-77	0.007	0.004	0.093	0.085	345.647	TRUE	9.33E-73
PEF	INF2	cg16004738	rs73363341	A	G	-0.305	0.036	0.118	2.59E-17	0.006	0.004	0.119	0.019	71.597	TRUE	1.94E-16
PEF	INF2	cg16004738	rs78026692	A	G	0.507	0.047	0.061	3.61E-27	-0.011	0.005	0.028	0.031	116.484	TRUE	1.44E-25
PEF	INF2	cg17984022	rs12147788	T	C	0.746	0.024	0.275	4.46E-206	-0.009	0.003	0.001	0.202	937.870	TRUE	1.82E-184
PEF	INF2	cg17984022	rs12895272	C	T	-0.276	0.036	0.119	1.85E-14	0.005	0.004	0.169	0.016	58.649	TRUE	8.87E-14
PEF	INF2	cg17984022	rs7140154	T	C	0.199	0.030	0.191	2.15E-11	-0.002	0.003	0.463	0.012	44.800	TRUE	5.08E-11
PEF	INF2	cg18996808	rs12147788	T	C	-0.238	0.026	0.275	2.19E-20	-0.009	0.003	0.001	0.023	85.568	TRUE	1.04E-18
PEF	INF2	cg18996808	rs59578182	A	G	0.234	0.039	0.099	1.76E-09	0.009	0.004	0.044	0.010	36.206	TRUE	8.10E-09
PEF	INF2	cg20267932	rs10133301	T	C	0.248	0.040	0.159	3.80E-10	-0.008	0.004	0.017	0.010	39.191	TRUE	2.36E-09
PEF	INF2	cg21827986	rs192378216	C	T	-1.904	0.181	0.010	6.61E-26	-0.024	0.015	0.112	0.029	110.722	TRUE	1.20E-24
PEF	INF2	cg22090592	rs1130233	T	C	0.385	0.027	0.244	4.45E-47	-0.010	0.003	7.26E-04	0.053	207.549	TRUE	1.41E-43
PEF	INF2	cg22090592	rs11851852	T	C	0.804	0.040	0.088	3.46E-91	-0.012	0.005	0.007	0.100	409.893	TRUE	1.01E-84
PEF	INF2	cg22090592	rs2494748	C	T	0.224	0.024	0.399	2.29E-20	-0.003	0.003	0.227	0.023	85.476	TRUE	1.61E-19
PEF	INF2	cg22090592	rs7146454	G	T	-0.304	0.027	0.235	1.09E-28	-0.006	0.003	0.036	0.032	123.422	TRUE	4.65E-27
PEF	INF2	cg23343291	rs1130233	T	C	0.265	0.027	0.244	1.15E-22	-0.010	0.003	7.26E-04	0.025	95.952	TRUE	9.14E-21
PEF	INF2	cg23343291	rs11844508	C	T	0.268	0.036	0.111	2.11E-13	-0.011	0.004	0.004	0.014	53.866	TRUE	2.88E-12
PEF	INF2	cg23343291	rs59346268	T	C	-0.218	0.040	0.099	3.64E-08	0.007	0.004	0.093	0.008	30.317	TRUE	1.19E-07
PEF	INF2	cg23343291	rs73359086	T	C	-0.202	0.036	0.118	2.47E-08	0.005	0.004	0.173	0.008	31.064	TRUE	6.83E-08
PEF	INF2	cg23998240	rs11850821	G	A	0.523	0.040	0.089	1.34E-38	-0.012	0.004	0.007	0.044	168.731	TRUE	4.28E-36
PEF	INF2	cg23998240	rs4334222	A	G	-0.340	0.023	0.429	8.80E-49	0.011	0.003	2.94E-05	0.055	215.354	TRUE	9.75E-45
PEF	INF2	cg24404909	rs7158194	C	T	-0.149	0.024	0.327	9.20E-10	-0.010	0.003	3.92E-04	0.010	37.466	TRUE	1.12E-08
PEF	INF2	cg27286011	rs10133301	T	C	0.235	0.041	0.159	8.02E-09	-0.008	0.004	0.017	0.009	33.252	TRUE	4.20E-08
PEF	INF2	cg27286011	rs4393510	C	T	-0.362	0.023	0.429	6.46E-55	0.011	0.003	1.68E-05	0.062	243.465	TRUE	2.69E-50
PEF	INF2	cg27286011	rs4996691	G	A	0.721	0.039	0.092	2.82E-75	-0.011	0.004	0.009	0.083	336.852	TRUE	2.91E-70
PEF	ING5	cg03108703	rs143076111	C	A	-0.934	0.052	0.118	1.07E-71	0.008	0.004	0.047	0.080	320.428	TRUE	1.90E-67
PEF	ING5	cg03108703	rs184401988	G	T	-0.755	0.133	0.017	1.27E-08	0.026	0.011	0.019	0.009	32.356	TRUE	6.41E-08
PEF	ING5	cg03979788	rs1133811	A	G	0.980	0.025	0.426	<1E-200	-0.007	0.003	0.013	0.287	1491.662	TRUE	4.62E-283
PEF	ING5	cg03979788	rs11691199	A	G	0.155	0.026	0.299	2.47E-09	0.002	0.003	0.584	0.010	35.542	TRUE	4.50E-09
PEF	ING5	cg03979788	rs142081672	A	G	0.542	0.085	0.043	2.07E-10	0.002	0.008	0.759	0.011	40.375	TRUE	3.46E-10
PEF	ING5	cg03979788	rs142497237	T	C	-0.350	0.061	0.043	1.07E-08	-0.001	0.007	0.902	0.009	32.688	TRUE	1.47E-08
PEF	ING5	cg03979788	rs142718122	C	T	-0.544	0.084	0.045	8.78E-11	-0.003	0.006	0.595	0.011	42.054	TRUE	1.74E-10
PEF	ING5	cg03979788	rs1444997	T	C	-0.221	0.032	0.164	2.51E-12	0.006	0.003	0.078	0.013	49.015	TRUE	1.32E-11
PEF	ING5	cg03979788	rs34106717	A	G	0.265	0.025	0.301	1.05E-25	-0.002	0.003	0.394	0.029	109.795	TRUE	8.44E-25
PEF	ING5	cg03979788	rs34691302	T	C	0.343	0.039	0.091	1.47E-18	-0.001	0.004	0.799	0.020	77.250	TRUE	3.81E-18
PEF	ING5	cg03979788	rs35145466	A	G	-0.423	0.045	0.091	6.40E-21	0.005	0.004	0.291	0.023	87.998	TRUE	4.20E-20
PEF	ING5	cg03979788	rs4234096	C	T	0.311	0.034	0.430	1.45E-19	-0.003	0.003	0.237	0.022	81.830	TRUE	9.47E-19

PEF	ING5	cg03979788	rs62186372	G	C	0.268	0.039	0.094	5.87E-12	-0.006	0.004	0.155	0.013	47.347	TRUE	2.33E-11
PEF	ING5	cg03979788	rs62190317	T	C	0.630	0.074	0.059	1.23E-17	-0.003	0.005	0.525	0.019	73.059	TRUE	4.20E-17
PEF	ING5	cg03979788	rs7369610	A	G	-0.617	0.055	0.098	8.23E-29	0.011	0.004	0.009	0.032	123.979	TRUE	6.11E-27
PEF	ING5	cg03979788	rs7420166	A	G	0.352	0.027	0.243	5.19E-39	-0.004	0.003	0.187	0.044	170.614	TRUE	2.77E-37
PEF	ING5	cg03979788	rs7566006	C	G	0.178	0.029	0.193	1.67E-09	-0.001	0.003	0.844	0.010	36.302	TRUE	2.47E-09
PEF	ING5	cg03979788	rs7570624	A	G	0.161	0.023	0.467	6.90E-12	-0.005	0.003	0.050	0.013	47.032	TRUE	3.99E-11
PEF	ING5	cg03979788	rs886810	A	C	-0.198	0.024	0.376	2.25E-16	0.004	0.003	0.112	0.018	67.330	TRUE	1.54E-15
PEF	ING5	cg04122744	rs36147544	T	C	0.404	0.055	0.117	1.43E-13	0.008	0.004	0.036	0.015	54.630	TRUE	1.11E-12
PEF	ING5	cg11463903	rs10933538	A	G	-0.225	0.025	0.354	7.09E-20	0.007	0.003	0.011	0.022	83.244	TRUE	1.71E-18
PEF	ING5	cg11463903	rs12617994	T	C	-0.233	0.026	0.271	4.75E-19	-0.003	0.003	0.250	0.021	79.486	TRUE	2.93E-18
PEF	ING5	cg11463903	rs13408032	T	C	-0.260	0.047	0.128	4.47E-08	0.003	0.004	0.400	0.008	29.917	TRUE	9.00E-08
PEF	ING5	cg11463903	rs142704390	C	G	-0.585	0.102	0.025	8.66E-09	0.003	0.007	0.694	0.009	33.104	TRUE	1.40E-08
PEF	ING5	cg11463903	rs142718122	C	T	-0.520	0.084	0.045	5.74E-10	-0.003	0.006	0.595	0.010	38.389	TRUE	1.08E-09
PEF	ING5	cg11463903	rs144303868	C	G	-0.411	0.061	0.043	1.32E-11	-0.002	0.007	0.777	0.012	45.763	TRUE	2.30E-11
PEF	ING5	cg11463903	rs147108370	G	A	-0.485	0.068	0.034	9.63E-13	0.004	0.008	0.624	0.014	50.891	TRUE	2.09E-12
PEF	ING5	cg11463903	rs34214302	G	A	0.408	0.055	0.114	1.04E-13	0.007	0.004	0.090	0.015	55.253	TRUE	5.93E-13
PEF	ING5	cg11463903	rs34767573	C	G	0.396	0.057	0.045	3.41E-12	-0.005	0.006	0.417	0.013	48.411	TRUE	9.03E-12
PEF	ING5	cg11463903	rs55729724	G	A	-0.185	0.028	0.237	2.75E-11	0.005	0.003	0.127	0.012	44.324	TRUE	1.09E-10
PEF	ING5	cg11463903	rs62191280	C	G	0.386	0.047	0.155	2.07E-16	0.004	0.004	0.300	0.018	67.494	TRUE	8.96E-16
PEF	ING5	cg11463903	rs62192043	A	G	0.214	0.027	0.246	2.72E-15	0.000	0.003	0.971	0.017	62.422	TRUE	4.79E-15
PEF	ING5	cg11463903	rs6741587	A	C	-0.284	0.028	0.225	1.96E-24	-0.001	0.003	0.867	0.027	104.011	TRUE	6.85E-24
PEF	ING5	cg11463903	rs6747920	A	G	-0.521	0.058	0.091	2.16E-19	0.012	0.004	0.005	0.021	81.039	TRUE	6.10E-18
PEF	ING5	cg11463903	rs73123528	G	A	0.361	0.027	0.244	8.50E-41	-0.004	0.003	0.215	0.046	178.787	TRUE	5.12E-39
PEF	ING5	cg11463903	rs7566006	C	G	0.212	0.029	0.193	5.40E-13	-0.001	0.003	0.844	0.014	52.025	TRUE	9.50E-13
PEF	ING5	cg13140981	rs184401988	G	T	-0.756	0.133	0.017	1.23E-08	0.026	0.011	0.019	0.009	32.414	TRUE	6.23E-08
PEF	ING5	cg13140981	rs35249316	G	A	0.260	0.035	0.391	8.74E-14	-0.009	0.003	0.001	0.015	55.602	TRUE	1.70E-12
PEF	ING5	cg13140981	rs62193476	A	G	-0.278	0.036	0.354	6.21E-15	0.004	0.003	0.183	0.016	60.801	TRUE	2.95E-14
PEF	ING5	cg13140981	rs72484056	A	G	-1.038	0.052	0.115	2.21E-87	0.008	0.004	0.039	0.096	392.422	TRUE	8.30E-82
PEF	ING5	cg13262212	rs138826996	T	C	-1.690	0.139	0.014	3.75E-34	-0.012	0.011	0.281	0.039	148.390	TRUE	8.74E-33
PEF	ING5	cg13262212	rs141941174	A	G	-0.688	0.112	0.018	7.15E-10	0.016	0.009	0.083	0.010	37.959	TRUE	2.89E-09
PEF	ING5	cg14409746	rs111942358	C	G	0.208	0.033	0.150	3.61E-10	0.001	0.004	0.770	0.011	39.291	TRUE	5.88E-10
PEF	ING5	cg14409746	rs7369408	A	G	-0.153	0.028	0.221	3.14E-08	-0.007	0.003	0.029	0.008	30.601	TRUE	1.36E-07
PEF	ING5	cg15141204	rs4428044	C	A	-0.248	0.034	0.446	3.33E-13	-0.007	0.003	0.005	0.014	52.973	TRUE	4.14E-12
PEF	ING5	cg17530031	rs138807997	G	A	0.601	0.085	0.043	2.10E-12	-0.004	0.006	0.566	0.013	49.361	TRUE	4.78E-12
PEF	ING5	cg17530031	rs145676805	A	G	0.451	0.070	0.034	1.17E-10	0.006	0.008	0.454	0.011	41.493	TRUE	2.66E-10
PEF	ING5	cg17530031	rs147476185	T	A	0.314	0.049	0.058	1.34E-10	0.006	0.005	0.300	0.011	41.230	TRUE	3.67E-10
PEF	ING5	cg17530031	rs4234096	C	T	-0.315	0.034	0.430	5.75E-20	-0.003	0.003	0.237	0.022	83.658	TRUE	3.89E-19
PEF	ING5	cg17530031	rs4675796	T	C	0.507	0.051	0.127	2.09E-23	0.001	0.004	0.730	0.026	99.323	TRUE	8.06E-23
PEF	ING5	cg17530031	rs55729724	G	A	0.161	0.028	0.237	8.10E-09	0.005	0.003	0.127	0.009	33.233	TRUE	2.54E-08
PEF	ING5	cg17530031	rs62186372	G	C	-0.265	0.039	0.094	1.15E-11	-0.006	0.004	0.155	0.012	46.026	TRUE	4.45E-11
PEF	ING5	cg17530031	rs62191280	C	G	-0.423	0.047	0.155	1.79E-19	0.004	0.004	0.300	0.022	81.415	TRUE	9.97E-19
PEF	ING5	cg17530031	rs7369610	A	G	0.371	0.056	0.098	3.91E-11	0.011	0.004	0.009	0.012	43.637	TRUE	3.15E-10

PEF	ING5	cg17530031	rs7420166	A	G	-0.303	0.027	0.243	7.16E-29	-0.004	0.003	0.187	0.033	124.257	TRUE	1.27E-27
PEF	ING5	cg17530031	rs7558279	G	A	0.265	0.035	0.346	4.20E-14	-0.002	0.003	0.497	0.015	57.043	TRUE	1.14E-13
PEF	ING5	cg17530031	rs7591047	A	G	-0.861	0.028	0.394	3.72E-212	-0.007	0.003	0.006	0.207	965.817	TRUE	2.87E-190
PEF	ING5	cg17530031	rs79082577	G	A	0.337	0.056	0.104	1.49E-09	0.002	0.004	0.655	0.010	36.523	TRUE	2.61E-09
PEF	ING5	cg20516529	rs112011439	A	T	-1.882	0.134	0.015	7.47E-45	-0.012	0.011	0.293	0.051	197.355	TRUE	5.70E-43
PEF	ING5	cg20516529	rs11676197	T	C	0.178	0.028	0.222	1.83E-10	-0.001	0.003	0.849	0.011	40.621	TRUE	2.85E-10
PEF	ING5	cg20516529	rs35512800	A	G	-0.611	0.052	0.130	2.54E-32	0.007	0.004	0.082	0.036	140.015	TRUE	1.09E-30
PEF	ING5	cg20516529	rs4675933	T	C	-0.178	0.025	0.323	1.58E-12	-0.007	0.003	0.007	0.013	49.924	TRUE	1.62E-11
PEF	ING5	cg20516529	rs74651980	A	G	-0.667	0.101	0.018	3.57E-11	0.022	0.010	0.023	0.012	43.814	TRUE	2.35E-10
PEF	ING5	cg21244745	rs34692098	G	T	0.238	0.034	0.138	4.59E-12	0.002	0.004	0.621	0.013	47.828	TRUE	9.63E-12
PEF	ING5	cg21244745	rs74562536	T	C	-0.202	0.028	0.215	7.74E-13	-0.003	0.003	0.298	0.014	51.318	TRUE	2.53E-12
PEF	ING5	cg24048263	rs35145466	A	G	0.320	0.045	0.091	1.52E-12	0.005	0.004	0.291	0.013	50.000	TRUE	4.96E-12
PEF	IQGAP1	cg07007674	rs17176602	A	G	0.245	0.044	0.081	2.02E-08	0.003	0.005	0.491	0.008	31.454	TRUE	3.83E-08
PEF	IQGAP1	cg07007674	rs2601190	C	A	-0.177	0.023	0.452	2.02E-14	0.003	0.003	0.269	0.016	58.479	TRUE	8.00E-14
PEF	IQGAP1	cg08426161	rs112871898	G	C	-0.463	0.044	0.080	3.54E-26	0.004	0.005	0.436	0.029	111.959	TRUE	2.69E-25
PEF	IQGAP1	cg08426161	rs12437718	C	T	-0.242	0.033	0.359	3.45E-13	-0.001	0.003	0.818	0.014	52.907	TRUE	6.25E-13
PEF	IQGAP1	cg08426161	rs12911824	G	A	-0.504	0.045	0.145	4.00E-29	-0.005	0.004	0.234	0.033	125.410	TRUE	6.57E-28
PEF	IQGAP1	cg08426161	rs149095335	G	A	0.684	0.095	0.016	7.50E-13	-0.006	0.009	0.526	0.014	51.380	TRUE	1.83E-12
PEF	IQGAP1	cg08426161	rs1877784	A	T	0.263	0.025	0.309	1.56E-25	-0.002	0.003	0.593	0.029	109.025	TRUE	8.94E-25
PEF	IQGAP1	cg08426161	rs2271552	T	C	0.315	0.031	0.179	3.01E-24	0.005	0.003	0.166	0.027	103.158	TRUE	3.60E-23
PEF	IQGAP1	cg08426161	rs2905963	T	C	0.580	0.035	0.124	1.96E-61	-0.004	0.004	0.298	0.069	273.355	TRUE	1.30E-58
PEF	IQGAP1	cg08426161	rs2943226	A	T	0.161	0.025	0.317	1.79E-10	0.001	0.003	0.832	0.011	40.662	TRUE	2.84E-10
PEF	IQGAP1	cg08426161	rs62022289	C	T	-0.195	0.030	0.182	1.22E-10	0.004	0.003	0.273	0.011	41.416	TRUE	3.47E-10
PEF	IQGAP1	cg08426161	rs7169903	C	T	0.194	0.025	0.324	2.49E-14	0.001	0.003	0.812	0.015	58.073	TRUE	4.97E-14
PEF	IQGAP1	cg08426161	rs7174932	T	C	-0.406	0.024	0.350	1.20E-62	-0.007	0.003	0.012	0.070	278.914	TRUE	1.20E-58
PEF	IQGAP1	cg08426161	rs7179095	A	G	0.374	0.031	0.160	2.75E-33	0.002	0.003	0.540	0.038	144.433	TRUE	3.36E-32
PEF	IQGAP1	cg08426161	rs75261677	G	T	-0.501	0.091	0.030	3.35E-08	0.001	0.007	0.894	0.008	30.477	TRUE	4.52E-08
PEF	IQGAP1	cg08426161	rs77222074	C	T	0.632	0.075	0.024	5.38E-17	-0.002	0.008	0.829	0.019	70.155	TRUE	1.22E-16
PEF	IQGAP1	cg08426161	rs77472222	A	G	0.691	0.046	0.072	3.64E-50	0.002	0.005	0.624	0.057	221.695	TRUE	2.29E-48
PEF	IQGAP1	cg08426161	rs78912788	C	T	0.643	0.075	0.022	6.63E-18	0.004	0.008	0.638	0.020	74.285	TRUE	1.98E-17
PEF	IQGAP1	cg09222367	rs10152346	A	G	-0.195	0.034	0.147	7.87E-09	0.000	0.004	0.919	0.009	33.288	TRUE	1.08E-08
PEF	IQGAP1	cg09222367	rs112205200	T	C	-0.164	0.025	0.320	1.02E-10	-0.002	0.003	0.426	0.011	41.760	TRUE	2.43E-10
PEF	IQGAP1	cg09222367	rs12903971	T	A	0.264	0.043	0.075	7.38E-10	-0.002	0.005	0.707	0.010	37.896	TRUE	1.26E-09
PEF	IQGAP1	cg09222367	rs12913420	C	G	0.290	0.026	0.277	1.58E-29	0.000	0.003	0.915	0.033	127.249	TRUE	7.57E-29
PEF	IQGAP1	cg09222367	rs143314553	T	C	0.449	0.081	0.047	3.46E-08	0.001	0.007	0.833	0.008	30.413	TRUE	4.87E-08
PEF	IQGAP1	cg09222367	rs144053010	C	T	0.458	0.075	0.025	1.31E-09	-0.002	0.008	0.806	0.010	36.786	TRUE	2.02E-09
PEF	IQGAP1	cg09222367	rs28679676	C	T	0.535	0.025	0.314	1.67E-104	0.003	0.003	0.213	0.113	471.044	TRUE	4.13E-98
PEF	IQGAP1	cg09222367	rs34776072	A	C	0.149	0.027	0.250	1.86E-08	0.000	0.003	0.977	0.008	31.616	TRUE	2.40E-08
PEF	IQGAP1	cg10434728	rs111852537	C	A	-0.308	0.045	0.076	1.18E-11	0.001	0.005	0.846	0.012	45.980	TRUE	1.94E-11
PEF	IQGAP1	cg10434728	rs12907788	A	C	0.196	0.025	0.325	9.12E-15	0.003	0.003	0.301	0.016	60.046	TRUE	3.48E-14
PEF	IQGAP1	cg10434728	rs1533327	A	G	0.230	0.023	0.423	1.39E-22	0.001	0.003	0.817	0.025	95.571	TRUE	4.56E-22
PEF	IQGAP1	cg10434728	rs2589954	G	A	0.296	0.039	0.099	4.84E-14	-0.005	0.004	0.202	0.015	56.763	TRUE	2.07E-13

PEF	IQGAP1	cg10434728	rs2601195	A	G	0.711	0.020	0.451	2.00E-280	0.003	0.003	0.253	0.257	1279.757	TRUE	1.40E-248
PEF	IQGAP1	cg10434728	rs6496695	C	T	0.297	0.032	0.150	8.30E-21	0.000	0.004	0.942	0.023	87.484	TRUE	2.04E-20
PEF	IQGAP1	cg10434728	rs7165376	C	G	0.463	0.054	0.088	7.60E-18	0.005	0.005	0.291	0.020	74.014	TRUE	3.75E-17
PEF	IQGAP1	cg10434728	rs8030799	G	C	0.308	0.032	0.144	1.57E-21	0.001	0.004	0.849	0.024	90.780	TRUE	4.64E-21
PEF	IQGAP1	cg10434728	rs8040507	G	C	0.415	0.076	0.027	3.82E-08	-0.006	0.008	0.441	0.008	30.220	TRUE	7.40E-08
PEF	IQGAP1	cg10434728	rs9744242	T	C	-0.138	0.023	0.487	3.17E-09	-0.005	0.003	0.060	0.009	35.058	TRUE	1.30E-08
PEF	IQGAP1	cg22735190	rs1107460	T	C	-0.189	0.034	0.129	3.71E-08	0.002	0.004	0.639	0.008	30.279	TRUE	6.08E-08
PEF	IQGAP1	cg22735190	rs60569488	A	G	0.207	0.027	0.250	5.72E-15	-0.002	0.003	0.435	0.016	60.962	TRUE	1.77E-14
PEF	IQGAP1	cg22735190	rs7170385	A	T	-0.346	0.030	0.190	2.88E-31	0.007	0.003	0.030	0.035	135.200	TRUE	1.85E-29
PEF	IQGAP1	cg25186680	rs112871898	G	C	-0.460	0.044	0.080	6.69E-26	0.004	0.005	0.436	0.029	110.697	TRUE	4.97E-25
PEF	IQGAP1	cg25186680	rs12911824	G	A	-0.494	0.045	0.145	5.36E-28	-0.005	0.004	0.234	0.031	120.263	TRUE	7.86E-27
PEF	IQGAP1	cg25186680	rs2905963	T	C	0.589	0.035	0.124	1.56E-63	-0.004	0.004	0.298	0.071	282.983	TRUE	1.41E-60
PEF	IQGAP1	cg25186680	rs4932302	G	A	-0.177	0.024	0.379	4.22E-13	-0.001	0.003	0.615	0.014	52.509	TRUE	9.44E-13
PEF	IQGAP1	cg25186680	rs4932320	C	G	0.245	0.026	0.282	3.89E-21	0.000	0.003	0.968	0.023	88.979	TRUE	9.58E-21
PEF	IQGAP1	cg25186680	rs62022289	C	T	-0.209	0.030	0.182	5.13E-12	0.004	0.003	0.273	0.013	47.613	TRUE	1.64E-11
PEF	IQGAP1	cg25186680	rs7174932	T	C	-0.403	0.024	0.350	6.34E-62	-0.007	0.003	0.012	0.069	275.600	TRUE	5.62E-58
PEF	IQGAP1	cg25186680	rs74943499	G	C	0.497	0.052	0.047	1.34E-21	-0.001	0.005	0.911	0.024	91.085	TRUE	3.67E-21
PEF	IQGAP1	cg25186680	rs77222074	C	T	0.659	0.075	0.024	2.22E-18	-0.002	0.008	0.829	0.020	76.447	TRUE	5.47E-18
PEF	IQGAP1	cg25186680	rs77472222	A	G	0.664	0.046	0.072	2.11E-46	0.002	0.005	0.624	0.052	204.450	TRUE	8.57E-45
PEF	IQGAP1	cg25186680	rs79437276	C	G	0.476	0.054	0.051	1.58E-18	0.009	0.006	0.110	0.020	77.116	TRUE	1.35E-17
PEF	IQGAP1	cg27310024	rs1869180	C	T	0.215	0.025	0.322	1.23E-17	0.003	0.003	0.242	0.019	73.071	TRUE	6.72E-17
PEF	IQGAP1	cg27310024	rs1876131	A	C	-0.281	0.041	0.086	8.42E-12	-0.001	0.004	0.806	0.012	46.640	TRUE	1.46E-11
PEF	IREB2	cg13714459	rs2656065	A	G	0.303	0.025	0.330	1.07E-33	-0.012	0.003	7.83E-06	0.038	146.300	TRUE	1.41E-30
PEF	IREB2	cg18825076	rs1052035	C	T	-0.634	0.075	0.056	1.76E-17	-0.005	0.006	0.401	0.019	72.363	TRUE	7.08E-17
PEF	IREB2	cg18825076	rs117756166	C	T	-0.552	0.053	0.047	1.83E-25	-0.013	0.006	0.018	0.029	108.705	TRUE	6.97E-24
PEF	IREB2	cg18825076	rs12592823	A	G	0.369	0.044	0.085	2.21E-17	0.003	0.005	0.505	0.019	71.906	TRUE	7.62E-17
PEF	IREB2	cg18825076	rs12913946	T	C	-0.219	0.028	0.235	3.91E-15	-0.003	0.003	0.276	0.016	61.712	TRUE	1.57E-14
PEF	IREB2	cg18825076	rs1994016	T	C	-0.301	0.024	0.433	2.60E-37	0.003	0.003	0.225	0.042	162.836	TRUE	1.06E-35
PEF	IREB2	cg18825076	rs2229961	A	G	-0.763	0.130	0.018	3.99E-09	-0.006	0.009	0.553	0.009	34.612	TRUE	7.42E-09
PEF	IREB2	cg18825076	rs2869030	G	T	0.579	0.028	0.237	7.27E-98	0.005	0.003	0.115	0.106	440.556	TRUE	8.52E-92
PEF	IREB2	cg18825076	rs4887024	T	C	0.141	0.024	0.416	4.02E-09	0.002	0.003	0.442	0.009	34.596	TRUE	8.33E-09
PEF	IREB2	cg18825076	rs72736802	T	A	-0.897	0.021	0.344	<1E-200	-0.011	0.003	2.67E-05	0.326	1791.058	TRUE	<1E-200
PEF	IREB2	cg18825076	rs76161838	T	C	-0.539	0.088	0.022	8.14E-10	-0.017	0.009	0.056	0.010	37.706	TRUE	3.66E-09
PEF	IREB2	cg18825076	rs76474922	C	A	0.507	0.044	0.079	2.03E-31	0.011	0.005	0.015	0.035	135.893	TRUE	1.80E-29
PEF	IREB2	cg19941054	rs2089162	G	A	0.281	0.025	0.322	5.50E-29	-0.011	0.003	2.29E-05	0.033	124.777	TRUE	2.58E-26
PEF	IRF1	cg00255919	rs10064128	G	A	-0.463	0.023	0.499	9.02E-89	-0.001	0.003	0.768	0.097	398.799	TRUE	1.29E-84
PEF	IRF1	cg00255919	rs11242110	G	T	0.534	0.023	0.468	1.11E-120	-0.005	0.003	0.046	0.128	545.356	TRUE	5.96E-112
PEF	IRF1	cg00255919	rs115035509	G	C	-0.294	0.052	0.065	2.00E-08	0.008	0.005	0.147	0.008	31.474	TRUE	5.89E-08
PEF	IRF1	cg00255919	rs115976537	A	G	0.728	0.109	0.020	2.19E-11	-0.006	0.008	0.463	0.012	44.770	TRUE	5.21E-11
PEF	IRF1	cg00255919	rs115984727	A	G	0.507	0.073	0.025	3.77E-12	-0.002	0.008	0.804	0.013	48.215	TRUE	6.65E-12
PEF	IRF1	cg00255919	rs11738148	G	A	-0.286	0.032	0.167	1.24E-19	0.007	0.003	0.049	0.022	82.145	TRUE	1.66E-18
PEF	IRF1	cg00255919	rs13153324	T	C	-0.400	0.040	0.199	2.00E-23	0.003	0.003	0.388	0.026	99.411	TRUE	1.34E-22

PEF	IRF1	cg00255919	rs137906075	G	A	-0.411	0.055	0.052	6.45E-14	-0.004	0.006	0.495	0.015	56.198	TRUE	1.74E-13
PEF	IRF1	cg00255919	rs138551539	A	G	0.922	0.081	0.024	2.55E-30	0.001	0.009	0.944	0.034	130.872	TRUE	1.25E-29
PEF	IRF1	cg00255919	rs139051676	T	C	0.654	0.096	0.014	1.04E-11	0.005	0.011	0.641	0.012	46.235	TRUE	2.08E-11
PEF	IRF1	cg00255919	rs149746631	C	G	0.470	0.082	0.022	9.67E-09	-0.033	0.010	8.28E-04	0.009	32.889	TRUE	8.78E-08
PEF	IRF1	cg00255919	rs157573	A	C	0.516	0.029	0.204	9.10E-73	-0.008	0.003	0.009	0.081	325.343	TRUE	5.93E-68
PEF	IRF1	cg00255919	rs25890	C	T	0.274	0.024	0.380	5.49E-30	-0.002	0.003	0.427	0.034	129.349	TRUE	6.18E-29
PEF	IRF1	cg00255919	rs676944	A	G	0.474	0.029	0.203	2.33E-61	-0.002	0.003	0.440	0.069	273.010	TRUE	9.64E-59
PEF	IRF1	cg00255919	rs6894249	G	A	0.865	0.020	0.376	<1E-200	-0.008	0.003	0.002	0.330	1822.042	TRUE	<1E-200
PEF	IRF1	cg00255919	rs72797317	T	C	-0.374	0.057	0.048	6.30E-11	-0.011	0.006	0.055	0.011	42.701	TRUE	3.18E-10
PEF	IRF1	cg00255919	rs75244569	G	A	0.863	0.048	0.057	1.42E-71	-0.001	0.005	0.911	0.080	319.869	TRUE	8.58E-69
PEF	IRF1	cg00255919	rs75245322	G	T	-0.512	0.038	0.108	1.18E-41	0.004	0.004	0.318	0.047	182.712	TRUE	5.72E-40
PEF	IRF1	cg00255919	rs7733814	T	C	0.562	0.050	0.057	7.76E-30	-0.006	0.006	0.317	0.034	128.663	TRUE	1.07E-28
PEF	IRF1	cg00255919	rs77542000	C	T	1.003	0.180	0.011	2.71E-08	-0.016	0.013	0.229	0.008	30.890	TRUE	6.80E-08
PEF	IRF1	cg00255919	rs78686200	T	C	-0.452	0.043	0.085	1.11E-25	-0.001	0.005	0.785	0.029	109.697	TRUE	4.78E-25
PEF	IRF1	cg00255919	rs78799912	T	C	0.787	0.081	0.023	2.46E-22	0.015	0.009	0.079	0.025	94.442	TRUE	3.64E-21
PEF	IRF1	cg00255919	rs809123	C	T	0.184	0.027	0.262	1.03E-11	-0.002	0.003	0.547	0.012	46.238	TRUE	2.28E-11
PEF	IRF1	cg00255919	rs9687371	T	A	-0.139	0.025	0.370	1.42E-08	-0.008	0.003	0.005	0.009	32.137	TRUE	9.09E-08
PEF	IRF1	cg13907973	rs1045020	T	C	0.277	0.035	0.124	4.70E-15	-0.020	0.004	7.52E-08	0.016	61.347	TRUE	5.15E-13
PEF	IRF1	cg13907973	rs11738148	G	A	-0.182	0.031	0.167	5.25E-09	0.007	0.003	0.049	0.009	34.076	TRUE	2.22E-08
PEF	IRF1	cg13907973	rs17715481	G	A	0.340	0.041	0.079	2.16E-16	0.003	0.005	0.519	0.018	67.410	TRUE	6.76E-16
PEF	IRF1	cg13907973	rs1910030	G	T	0.218	0.023	0.451	3.70E-21	-0.001	0.003	0.599	0.024	89.081	TRUE	1.48E-20
PEF	IRF1	cg13907973	rs2070729	A	C	0.595	0.022	0.437	2.27E-156	-0.006	0.003	0.031	0.161	709.365	TRUE	3.17E-143
PEF	IRF1	cg13907973	rs2522051	C	T	0.266	0.023	0.465	3.99E-30	-0.008	0.003	0.003	0.034	129.984	TRUE	5.91E-28
PEF	IRF1	cg13907973	rs283753	C	T	0.238	0.033	0.144	5.82E-13	-0.001	0.004	0.877	0.014	51.878	TRUE	1.01E-12
PEF	IRF1	cg13907973	rs4705945	A	G	0.418	0.070	0.030	1.88E-09	-0.003	0.007	0.722	0.010	36.080	TRUE	3.07E-09
PEF	IRF1	cg13907973	rs71583480	G	C	0.402	0.046	0.071	2.60E-18	0.015	0.005	0.002	0.020	76.130	TRUE	7.74E-17
PEF	IRF1	cg13907973	rs72797327	G	A	-0.230	0.026	0.263	1.99E-18	-0.001	0.003	0.699	0.020	76.655	TRUE	5.68E-18
PEF	IRF1	cg13907973	rs739719	A	C	0.452	0.046	0.060	1.97E-22	-0.003	0.005	0.525	0.025	94.880	TRUE	9.70E-22
PEF	IRF1	cg15375424	rs10059611	T	G	0.188	0.025	0.319	5.94E-14	0.007	0.003	0.008	0.015	56.362	TRUE	7.33E-13
PEF	IRF1	cg15375424	rs157572	C	G	0.256	0.026	0.294	2.00E-23	-0.010	0.003	4.67E-04	0.026	99.408	TRUE	1.81E-21
PEF	IRF1	cg15375424	rs17772583	G	A	-0.212	0.027	0.251	8.79E-15	-0.002	0.003	0.433	0.016	60.118	TRUE	2.76E-14
PEF	IRF1	cg15375424	rs6875603	C	A	0.230	0.031	0.172	9.91E-14	0.003	0.003	0.382	0.015	55.354	TRUE	3.01E-13
PEF	IRF1	cg15375424	rs739718	C	T	0.398	0.049	0.057	4.12E-16	-0.001	0.005	0.801	0.018	66.140	TRUE	9.15E-16
PEF	IRF1	cg15375424	rs7716474	C	G	-0.212	0.024	0.368	8.39E-19	-0.001	0.003	0.671	0.021	78.364	TRUE	2.55E-18
PEF	IRF1	cg15375424	rs7719499	G	C	0.491	0.024	0.327	2.01E-89	-0.005	0.003	0.062	0.098	401.791	TRUE	7.63E-84
PEF	IRF1	cg15421363	rs2549002	C	A	0.241	0.024	0.333	5.79E-23	-0.006	0.003	0.020	0.026	97.305	TRUE	1.55E-21
PEF	IRF1	cg17394978	rs10057128	T	G	0.194	0.032	0.170	1.61E-09	0.002	0.003	0.486	0.010	36.379	TRUE	3.30E-09
PEF	IRF1	cg17394978	rs11242118	A	G	-0.308	0.031	0.176	1.04E-23	0.006	0.003	0.059	0.027	100.710	TRUE	1.92E-22
PEF	IRF1	cg17394978	rs11738148	G	A	-0.181	0.032	0.167	1.22E-08	0.007	0.003	0.049	0.009	32.439	TRUE	4.94E-08
PEF	IRF1	cg17394978	rs138551539	A	G	0.601	0.081	0.024	1.20E-13	0.001	0.009	0.944	0.015	54.983	TRUE	1.99E-13
PEF	IRF1	cg17394978	rs17622517	C	T	-0.398	0.064	0.080	5.29E-10	-0.001	0.005	0.882	0.010	38.548	TRUE	7.82E-10
PEF	IRF1	cg17394978	rs17689550	T	C	0.286	0.036	0.125	3.75E-15	-0.021	0.004	1.23E-07	0.016	61.794	TRUE	4.01E-13

PEF	IRF1	cg17394978	rs17772583	G	A	-0.283	0.027	0.251	4.28E-25	-0.002	0.003	0.433	0.028	107.018	TRUE	3.05E-24
PEF	IRF1	cg17394978	rs2548999	G	T	0.671	0.024	0.333	5.56E-174	-0.006	0.003	0.021	0.176	790.314	TRUE	2.31E-158
PEF	IRF1	cg17394978	rs35340924	T	C	0.572	0.094	0.018	1.24E-09	-0.005	0.009	0.593	0.010	36.880	TRUE	2.31E-09
PEF	IRF1	cg17394978	rs421377	A	T	0.265	0.030	0.195	3.33E-19	0.000	0.003	0.950	0.021	80.189	TRUE	7.46E-19
PEF	IRF1	cg17394978	rs721121	G	T	-0.319	0.023	0.428	3.49E-42	0.000	0.003	0.895	0.048	185.136	TRUE	5.31E-41
PEF	IRF1	cg17394978	rs739718	C	T	0.471	0.049	0.057	7.80E-22	-0.001	0.005	0.801	0.024	92.158	TRUE	2.50E-21
PEF	IRF1	cg17394978	rs78799912	T	C	0.527	0.081	0.023	8.89E-11	0.015	0.009	0.079	0.011	42.030	TRUE	4.01E-10
PEF	IRF1	cg17394978	rs809123	C	T	0.153	0.027	0.262	1.82E-08	-0.002	0.003	0.547	0.008	31.657	TRUE	3.27E-08
PEF	IRF1	cg21138405	rs115976537	A	G	0.690	0.109	0.020	2.09E-10	-0.006	0.008	0.463	0.011	40.355	TRUE	4.66E-10
PEF	IRF1	cg21138405	rs116332641	C	G	-0.279	0.032	0.160	2.69E-18	0.008	0.003	0.026	0.020	76.067	TRUE	3.84E-17
PEF	IRF1	cg21138405	rs11739622	A	G	-0.568	0.030	0.175	6.41E-79	0.007	0.003	0.045	0.087	353.578	TRUE	4.09E-74
PEF	IRF1	cg21138405	rs11745587	A	G	0.811	0.022	0.341	<1E-200	-0.008	0.003	0.003	0.278	1420.879	TRUE	3.37E-270
PEF	IRF1	cg21138405	rs138551539	A	G	0.919	0.081	0.024	4.37E-30	0.001	0.009	0.944	0.034	129.804	TRUE	2.10E-29
PEF	IRF1	cg21138405	rs147429092	C	T	0.707	0.084	0.019	3.16E-17	-0.028	0.010	0.007	0.019	71.205	TRUE	6.11E-16
PEF	IRF1	cg21138405	rs157577	G	C	0.643	0.025	0.270	2.97E-142	0.000	0.003	0.941	0.148	644.481	TRUE	3.39E-133
PEF	IRF1	cg21138405	rs253944	C	G	0.481	0.029	0.194	4.70E-61	0.000	0.003	0.934	0.068	271.612	TRUE	6.23E-59
PEF	IRF1	cg21138405	rs2549008	A	G	-0.486	0.031	0.176	2.19E-55	0.002	0.003	0.511	0.062	245.619	TRUE	3.50E-53
PEF	IRF1	cg21138405	rs25887	C	A	0.384	0.024	0.420	9.82E-60	-0.003	0.003	0.288	0.067	265.555	TRUE	5.58E-57
PEF	IRF1	cg21138405	rs35340924	T	C	0.974	0.094	0.018	2.51E-25	-0.005	0.009	0.593	0.028	108.077	TRUE	1.39E-24
PEF	IRF1	cg21138405	rs540670557	T	G	0.690	0.093	0.016	1.43E-13	0.006	0.011	0.629	0.015	54.639	TRUE	3.25E-13
PEF	IRF1	cg21138405	rs547165849	A	T	-0.137	0.024	0.358	2.16E-08	0.003	0.003	0.269	0.008	31.327	TRUE	5.21E-08
PEF	IRF1	cg21138405	rs72797327	G	A	-0.537	0.026	0.263	3.42E-94	-0.001	0.003	0.699	0.103	423.691	TRUE	1.63E-89
PEF	IRF1	cg21138405	rs75244569	G	A	0.856	0.048	0.057	2.21E-70	-0.001	0.005	0.911	0.078	314.394	TRUE	1.12E-67
PEF	IRF1	cg21138405	rs76709465	C	A	0.473	0.075	0.024	3.10E-10	-0.001	0.008	0.908	0.011	39.590	TRUE	4.52E-10
PEF	IRF1	cg21138405	rs78686200	T	C	-0.457	0.043	0.085	3.35E-26	-0.001	0.005	0.785	0.029	112.066	TRUE	1.50E-25
PEF	IRF1	cg21138405	rs78799912	T	C	0.745	0.081	0.023	3.26E-20	0.015	0.009	0.079	0.022	84.781	TRUE	3.86E-19
PEF	IRF1	cg21138405	rs809123	C	T	0.185	0.027	0.262	8.53E-12	-0.002	0.003	0.547	0.012	46.614	TRUE	1.89E-11
PEF	IRF1	cg21138405	rs9687371	T	A	-0.145	0.025	0.370	3.33E-09	-0.008	0.003	0.005	0.009	34.960	TRUE	2.33E-08
PEF	IRF1	cg25410123	rs41525648	A	G	0.164	0.023	0.436	2.78E-12	-0.006	0.003	0.032	0.013	48.813	TRUE	1.99E-11
PEF	IRF2	cg01926348	rs34463449	C	T	-0.552	0.062	0.030	2.79E-19	0.007	0.006	0.284	0.021	80.535	TRUE	1.61E-18
PEF	IRF2	cg04718987	rs3756097	T	C	-0.146	0.024	0.332	1.97E-09	0.004	0.003	0.124	0.010	35.981	TRUE	6.64E-09
PEF	IRF2	cg04718987	rs7685698	C	T	0.212	0.032	0.151	3.71E-11	-0.009	0.004	0.012	0.012	43.739	TRUE	2.84E-10
PEF	IRF2	cg04748972	rs3756092	C	T	-0.233	0.039	0.096	1.69E-09	-0.016	0.004	2.21E-04	0.010	36.286	TRUE	2.16E-08
PEF	IRF2	cg04748972	rs793812	T	C	-0.137	0.024	0.348	1.14E-08	0.003	0.003	0.285	0.009	32.570	TRUE	2.68E-08
PEF	IRF2	cg04748972	rs793814	T	A	0.397	0.033	0.362	1.26E-33	0.000	0.003	0.906	0.038	145.987	TRUE	8.55E-33
PEF	IRF2	cg05075308	rs144726693	T	A	-0.507	0.056	0.085	1.65E-19	-0.002	0.004	0.630	0.022	81.573	TRUE	5.60E-19
PEF	IRF2	cg05075308	rs3775574	G	A	0.169	0.024	0.398	4.12E-12	-0.002	0.003	0.540	0.013	48.040	TRUE	9.42E-12
PEF	IRF2	cg05075308	rs809909	T	A	0.218	0.034	0.311	2.25E-10	0.002	0.003	0.480	0.011	40.214	TRUE	4.88E-10
PEF	IRF2	cg05501617	rs13115095	G	A	0.584	0.025	0.269	1.71E-117	0.003	0.003	0.384	0.125	530.718	TRUE	3.33E-110
PEF	IRF2	cg05501617	rs3756096	C	T	0.201	0.033	0.146	1.69E-09	-0.010	0.004	0.004	0.010	36.282	TRUE	1.32E-08
PEF	IRF2	cg05501617	rs62339964	T	A	-0.635	0.041	0.081	3.78E-53	0.000	0.005	0.922	0.060	235.366	TRUE	1.84E-51
PEF	IRF2	cg05501617	rs68145634	T	C	-0.200	0.031	0.176	5.83E-11	-0.004	0.003	0.284	0.011	42.855	TRUE	1.67E-10

PEF	IRF2	cg05501617	rs6831828	T	C	0.192	0.026	0.286	1.08E-13	-0.001	0.003	0.798	0.015	55.189	TRUE	2.07E-13
PEF	IRF2	cg07394914	rs1863319	A	G	0.183	0.024	0.430	2.45E-14	0.004	0.003	0.134	0.015	58.104	TRUE	1.25E-13
PEF	IRF2	cg07394914	rs3775574	G	A	0.262	0.024	0.398	1.54E-27	-0.002	0.003	0.540	0.031	118.175	TRUE	1.12E-26
PEF	IRF2	cg07940428	rs9685945	G	A	-0.194	0.024	0.365	1.35E-15	-0.003	0.003	0.339	0.017	63.799	TRUE	5.19E-15
PEF	IRF2	cg09234297	rs793814	T	A	0.220	0.034	0.362	8.65E-11	0.000	0.003	0.906	0.011	42.082	TRUE	1.30E-10
PEF	IRF2	cg11784578	rs13116389	T	G	0.176	0.030	0.178	4.54E-09	-0.012	0.003	6.82E-04	0.009	34.360	TRUE	4.43E-08
PEF	IRF2	cg11784578	rs3775579	G	C	0.165	0.024	0.363	1.27E-11	-0.003	0.003	0.327	0.012	45.837	TRUE	3.67E-11
PEF	IRF2	cg11802666	rs1425551	T	G	-0.234	0.024	0.473	2.88E-23	-0.003	0.003	0.201	0.026	98.686	TRUE	2.88E-22
PEF	IRF2	cg11802666	rs4861623	A	G	-0.274	0.043	0.077	1.87E-10	0.002	0.005	0.621	0.011	40.574	TRUE	3.56E-10
PEF	IRF2	cg11802666	rs793786	C	A	0.202	0.024	0.393	8.51E-17	-0.002	0.003	0.564	0.018	69.251	TRUE	2.58E-16
PEF	IRF2	cg12453504	rs55876364	T	G	-0.170	0.024	0.435	6.04E-13	-0.002	0.003	0.525	0.014	51.807	TRUE	1.48E-12
PEF	IRF2	cg19757535	rs17075879	C	T	0.294	0.035	0.308	2.24E-17	0.006	0.003	0.028	0.019	71.884	TRUE	2.82E-16
PEF	IRF2	cg19757535	rs17488695	A	G	-0.317	0.040	0.191	2.26E-15	-0.002	0.003	0.636	0.017	62.793	TRUE	5.69E-15
PEF	IRF2	cg19757535	rs1863315	C	T	0.388	0.038	0.099	5.10E-24	-0.002	0.004	0.729	0.027	102.113	TRUE	2.11E-23
PEF	IRF2	cg19757535	rs1918633	A	G	-0.302	0.023	0.480	1.19E-38	-0.003	0.003	0.306	0.044	168.956	TRUE	4.35E-37
PEF	IRF2	cg19757535	rs58976078	T	C	0.812	0.021	0.360	<1E-200	-0.004	0.003	0.184	0.280	1439.172	TRUE	5.03E-276
PEF	IRF2	cg19757535	rs793812	T	C	0.138	0.024	0.348	1.50E-08	0.003	0.003	0.285	0.009	32.036	TRUE	3.50E-08
PEF	IRF2	cg19757535	rs9685836	T	G	0.395	0.055	0.092	7.83E-13	-0.009	0.004	0.041	0.014	51.297	TRUE	5.35E-12
PEF	IRF2	cg22442686	rs6833584	A	G	-0.226	0.033	0.145	8.39E-12	-0.010	0.004	0.005	0.012	46.647	TRUE	8.48E-11
PEF	IRF2	cg22442686	rs793814	T	A	0.439	0.033	0.362	3.58E-41	0.000	0.003	0.906	0.047	180.506	TRUE	4.90E-40
PEF	IRF2	cg22442686	rs796988	A	G	-0.161	0.028	0.219	9.14E-09	-0.003	0.003	0.254	0.009	32.998	TRUE	2.30E-08
PEF	IRF3	cg09250473	rs1320303	C	G	-0.266	0.026	0.276	1.50E-24	0.000	0.003	0.880	0.027	104.542	TRUE	5.15E-24
PEF	IRF3	cg09250473	rs142810131	A	C	-0.308	0.055	0.050	2.69E-08	0.001	0.006	0.854	0.008	30.900	TRUE	3.76E-08
PEF	IRF3	cg09250473	rs145146040	G	A	1.303	0.068	0.030	2.06E-82	0.020	0.008	0.010	0.091	369.605	TRUE	8.36E-77
PEF	IRF3	cg09250473	rs192886232	T	G	0.678	0.075	0.030	1.63E-19	-0.002	0.007	0.746	0.022	81.594	TRUE	4.78E-19
PEF	IRF3	cg09250473	rs2082481	A	G	1.003	0.021	0.249	<1E-200	0.010	0.003	0.001	0.376	2226.538	TRUE	<1E-200
PEF	IRF3	cg09250473	rs56971582	C	G	0.647	0.077	0.019	3.86E-17	-0.015	0.009	0.098	0.019	70.808	TRUE	3.05E-16
PEF	IRF3	cg09250473	rs59774409	T	C	0.472	0.044	0.083	8.58E-27	0.002	0.005	0.742	0.030	114.766	TRUE	4.26E-26
PEF	IRF3	cg09250473	rs721885	T	C	0.347	0.025	0.337	2.16E-44	0.006	0.003	0.031	0.050	195.246	TRUE	7.26E-42
PEF	ITGAV	cg03530967	rs17333634	C	T	0.314	0.052	0.049	2.01E-09	0.003	0.005	0.583	0.010	35.940	TRUE	3.70E-09
PEF	ITGAV	cg15732657	rs6741369	T	G	-0.329	0.027	0.259	6.16E-34	-0.006	0.003	0.046	0.038	147.400	TRUE	4.39E-32
PEF	ITPR1	cg02799411	rs2279748	C	G	-0.220	0.025	0.358	6.43E-19	-0.007	0.003	0.009	0.021	78.888	TRUE	1.40E-17
PEF	ITPR1	cg03648908	rs11712971	A	G	-0.263	0.029	0.205	9.35E-20	0.006	0.003	0.078	0.022	82.698	TRUE	1.04E-18
PEF	ITPR1	cg03648908	rs140128694	A	G	0.818	0.094	0.032	4.32E-18	0.010	0.007	0.189	0.020	75.131	TRUE	2.78E-17
PEF	ITPR1	cg03648908	rs1550559	A	G	-0.236	0.026	0.269	7.47E-20	-0.004	0.003	0.180	0.022	83.140	TRUE	5.84E-19
PEF	ITPR1	cg03648908	rs3805009	A	G	0.726	0.026	0.244	2.25E-173	0.002	0.003	0.443	0.176	787.526	TRUE	1.20E-159
PEF	ITPR1	cg03648908	rs4685815	T	C	0.628	0.085	0.035	1.71E-13	0.001	0.007	0.876	0.014	54.286	TRUE	3.01E-13
PEF	ITPR1	cg03836615	rs2304820	C	T	0.328	0.028	0.215	2.90E-31	0.000	0.003	0.907	0.035	135.184	TRUE	1.64E-30
PEF	ITPR1	cg03836615	rs901853	T	G	-0.633	0.082	0.042	1.10E-14	-0.007	0.006	0.213	0.016	59.675	TRUE	4.90E-14
PEF	ITPR1	cg05795849	rs17786144	C	T	0.309	0.034	0.129	2.00E-19	0.000	0.004	0.979	0.021	81.199	TRUE	4.39E-19
PEF	ITPR1	cg05795849	rs2053504	G	A	0.142	0.024	0.409	3.13E-09	0.003	0.003	0.332	0.009	35.080	TRUE	7.37E-09
PEF	ITPR1	cg05795849	rs2633714	G	A	-0.187	0.025	0.326	1.11E-13	-0.001	0.003	0.640	0.015	55.126	TRUE	2.55E-13

PEF	ITPR1	cg05795849	rs3828436	G	T	-0.304	0.024	0.401	2.31E-37	-0.008	0.003	0.001	0.042	163.067	TRUE	1.10E-34
PEF	ITPR1	cg05795849	rs6772040	T	C	-0.360	0.059	0.084	8.03E-10	-0.008	0.005	0.084	0.010	37.732	TRUE	3.22E-09
PEF	ITPR1	cg05795849	rs931387	C	T	-0.175	0.025	0.345	9.96E-13	-0.005	0.003	0.081	0.014	50.825	TRUE	5.50E-12
PEF	ITPR1	cg08998950	rs2119802	A	G	0.574	0.046	0.185	4.49E-35	-0.005	0.003	0.126	0.040	152.604	TRUE	2.01E-33
PEF	ITPR1	cg08998950	rs3805015	G	A	0.183	0.033	0.418	1.98E-08	0.005	0.003	0.057	0.008	31.497	TRUE	7.46E-08
PEF	ITPR1	cg08998950	rs75652455	T	C	0.931	0.102	0.023	9.98E-20	-0.023	0.008	0.002	0.022	82.568	TRUE	3.82E-18
PEF	ITPR1	cg08998950	rs901854	G	A	0.463	0.023	0.397	1.60E-87	-0.003	0.003	0.233	0.096	393.065	TRUE	1.13E-82
PEF	ITPR1	cg08998950	rs9838930	C	T	0.217	0.024	0.395	1.83E-19	-0.001	0.003	0.660	0.022	81.366	TRUE	5.84E-19
PEF	ITPR1	cg09654471	rs115959858	A	G	-0.414	0.071	0.068	4.59E-09	-0.013	0.005	0.011	0.009	34.339	TRUE	2.70E-08
PEF	ITPR1	cg09654471	rs2639801	G	A	-0.210	0.038	0.300	2.43E-08	-0.004	0.003	0.137	0.008	31.099	TRUE	7.13E-08
PEF	ITPR1	cg09654471	rs4685775	G	A	-0.360	0.041	0.099	2.46E-18	0.002	0.005	0.689	0.020	76.244	TRUE	7.09E-18
PEF	ITPR1	cg09654471	rs56098012	C	A	0.222	0.025	0.467	7.54E-19	-0.002	0.003	0.497	0.021	78.576	TRUE	2.84E-18
PEF	ITPR1	cg09654471	rs73102490	A	G	-1.291	0.037	0.106	1.79E-272	-0.001	0.004	0.887	0.252	1243.190	TRUE	1.12E-243
PEF	ITPR1	cg10887945	rs3792497	T	C	0.178	0.027	0.244	3.28E-11	0.002	0.003	0.538	0.012	43.977	TRUE	7.10E-11
PEF	ITPR1	cg11584376	rs11922422	C	G	0.237	0.031	0.161	1.79E-14	0.006	0.003	0.074	0.016	58.722	TRUE	1.17E-13
PEF	ITPR1	cg11584376	rs55963437	T	C	-0.179	0.033	0.139	4.81E-08	0.002	0.003	0.496	0.008	29.774	TRUE	8.80E-08
PEF	ITPR1	cg11584376	rs6781893	T	C	0.215	0.029	0.204	1.60E-13	-0.009	0.003	0.004	0.014	54.409	TRUE	2.28E-12
PEF	ITPR1	cg11584376	rs6785305	A	G	0.224	0.031	0.435	8.50E-13	0.000	0.003	0.875	0.014	51.136	TRUE	1.45E-12
PEF	ITPR1	cg11584376	rs9880589	G	T	-0.472	0.023	0.452	5.16E-97	0.006	0.003	0.030	0.106	436.647	TRUE	1.73E-90
PEF	ITPR1	cg11600734	rs2279748	C	G	-0.205	0.025	0.358	1.02E-16	-0.007	0.003	0.009	0.018	68.884	TRUE	1.69E-15
PEF	ITPR1	cg13707945	rs4684433	C	T	-0.140	0.025	0.329	1.38E-08	-0.004	0.003	0.168	0.009	32.203	TRUE	4.00E-08
PEF	ITPR1	cg18689402	rs115959858	A	G	-0.391	0.071	0.068	3.34E-08	-0.013	0.005	0.011	0.008	30.483	TRUE	1.75E-07
PEF	ITPR1	cg18689402	rs11712103	C	G	-0.350	0.049	0.114	8.14E-13	0.001	0.004	0.709	0.014	51.220	TRUE	1.62E-12
PEF	ITPR1	cg18689402	rs2639801	G	A	-0.366	0.037	0.300	8.00E-23	-0.004	0.003	0.137	0.025	96.664	TRUE	9.21E-22
PEF	ITPR1	cg18689402	rs56098012	C	A	0.349	0.025	0.467	6.39E-45	-0.002	0.003	0.497	0.051	197.668	TRUE	2.77E-43
PEF	ITPR1	cg18689402	rs6785564	G	A	-1.121	0.030	0.143	<1E-200	0.001	0.004	0.742	0.279	1429.598	TRUE	6.37E-276
PEF	ITPR1	cg19885037	rs7631664	G	A	-0.228	0.029	0.205	3.14E-15	-0.009	0.003	0.005	0.017	62.143	TRUE	5.10E-14
PEF	ITPR1	cg21407899	rs1051559	G	A	0.405	0.030	0.188	9.11E-43	0.002	0.003	0.620	0.048	187.804	TRUE	2.50E-41
PEF	ITPR1	cg21407899	rs13096481	T	C	-0.140	0.025	0.319	3.58E-08	0.004	0.003	0.179	0.008	30.349	TRUE	9.80E-08
PEF	ITPR1	cg21407899	rs17041507	C	T	1.001	0.118	0.017	2.16E-17	-0.011	0.009	0.188	0.019	71.950	TRUE	1.32E-16
PEF	ITPR1	cg26389914	rs11712971	A	G	-0.269	0.029	0.205	4.52E-21	0.006	0.003	0.078	0.023	88.682	TRUE	5.76E-20
PEF	ITPR1	cg26389914	rs143961394	C	T	0.620	0.092	0.032	1.87E-11	0.010	0.007	0.159	0.012	45.080	TRUE	7.09E-11
PEF	ITPR1	cg26389914	rs1550559	A	G	-0.242	0.026	0.269	3.01E-21	-0.004	0.003	0.180	0.024	89.491	TRUE	2.68E-20
PEF	ITPR1	cg26389914	rs3805009	A	G	0.737	0.025	0.244	5.40E-186	0.002	0.003	0.443	0.186	845.537	TRUE	1.58E-170
PEF	ITPR1	cg26389914	rs4685807	G	A	0.211	0.031	0.156	9.58E-12	0.006	0.003	0.093	0.012	46.387	TRUE	4.49E-11
PEF	ITPR1	cg26389914	rs4685815	T	C	0.602	0.084	0.035	5.96E-13	0.001	0.007	0.876	0.014	51.833	TRUE	1.02E-12
PEF	ITPR1	cg26389914	rs77255589	T	C	0.362	0.061	0.038	2.63E-09	-0.004	0.006	0.477	0.009	35.423	TRUE	5.32E-09
PEF	ITPRIP	cg02682924	rs10883967	G	A	-0.193	0.032	0.159	2.82E-09	-0.001	0.003	0.708	0.009	35.284	TRUE	4.66E-09
PEF	ITPRIP	cg02682924	rs41291846	T	G	-0.313	0.026	0.283	1.29E-33	-0.005	0.003	0.061	0.038	145.935	TRUE	7.43E-32
PEF	ITPRIP	cg03640944	rs72825857	G	A	-0.846	0.133	0.013	2.05E-10	-0.004	0.011	0.734	0.011	40.394	TRUE	3.50E-10
PEF	ITPRIP	cg04935278	rs17884376	G	A	-0.883	0.132	0.014	2.57E-11	-0.001	0.011	0.954	0.012	44.456	TRUE	3.78E-11
PEF	ITPRIP	cg05788080	rs147944114	A	G	-2.087	0.116	0.024	1.52E-72	0.007	0.009	0.389	0.081	324.318	TRUE	4.16E-69

PEF	ITPRIP	cg05788080	rs568801321	T	A	-0.303	0.055	0.047	3.70E-08	-0.007	0.006	0.203	0.008	30.283	TRUE	9.62E-08
PEF	ITPRIP	cg11276172	rs276216	G	A	-0.250	0.025	0.313	5.03E-23	-0.005	0.003	0.053	0.026	97.583	TRUE	9.72E-22
PEF	ITPRIP	cg19640166	rs10883994	C	G	-0.146	0.026	0.307	1.08E-08	-0.005	0.003	0.074	0.009	32.674	TRUE	4.02E-08
PEF	ITPRIP	cg22882506	rs34594271	T	C	0.347	0.055	0.044	3.52E-10	0.005	0.006	0.383	0.011	39.344	TRUE	8.40E-10
PEF	ITPRIP	cg22882506	rs7095770	G	A	0.400	0.026	0.285	1.18E-54	-0.006	0.003	0.049	0.061	242.273	TRUE	1.31E-51
PEF	ITPRIP	cg23387597	rs72825834	G	T	-0.834	0.133	0.014	3.68E-10	-0.002	0.011	0.851	0.011	39.252	TRUE	5.63E-10
PEF	ITPRIP	cg24199006	rs10883992	C	A	0.203	0.026	0.289	5.08E-15	-0.006	0.003	0.033	0.016	61.194	TRUE	4.63E-14
PEF	ITPRIP	cg25552843	rs10883994	C	G	-0.216	0.025	0.307	1.22E-17	-0.005	0.003	0.074	0.019	73.081	TRUE	1.16E-16
PEF	ITPRIP	cg27365978	rs10883967	G	A	0.197	0.032	0.159	1.17E-09	-0.001	0.003	0.708	0.010	37.007	TRUE	1.96E-09
PEF	ITPRIP	cg27365978	rs114365861	C	T	0.346	0.061	0.036	1.53E-08	-0.004	0.006	0.470	0.009	31.997	TRUE	2.97E-08
PEF	ITPRIP	cg27365978	rs34594271	T	C	0.340	0.055	0.044	7.97E-10	0.005	0.006	0.383	0.010	37.747	TRUE	1.86E-09
PEF	ITPRIP	cg27365978	rs41291846	T	G	0.540	0.025	0.283	4.85E-100	-0.005	0.003	0.061	0.109	450.550	TRUE	1.66E-93
PEF	ITPRIP	cg27365978	rs61861273	G	A	0.413	0.072	0.027	1.23E-08	0.001	0.008	0.907	0.009	32.414	TRUE	1.68E-08
PEF	JMY	cg05350396	rs10474583	G	A	-0.236	0.027	0.244	1.55E-18	0.004	0.003	0.185	0.020	77.152	TRUE	1.05E-17
PEF	JMY	cg05350396	rs149879950	A	G	-2.042	0.075	0.024	3.51E-161	0.021	0.009	0.020	0.165	731.477	TRUE	2.90E-147
PEF	JMY	cg05350396	rs16876289	C	T	-0.936	0.100	0.013	6.23E-21	-0.011	0.012	0.334	0.023	88.051	TRUE	3.70E-20
PEF	JMY	cg05350396	rs626105	A	G	-0.184	0.028	0.209	1.13E-10	-0.005	0.003	0.122	0.011	41.560	TRUE	4.28E-10
PEF	JMY	cg05350396	rs7700970	T	C	-0.161	0.025	0.301	1.60E-10	0.003	0.003	0.305	0.011	40.874	TRUE	4.37E-10
PEF	JMY	cg05350396	rs8180502	A	G	-0.159	0.025	0.298	4.49E-10	0.012	0.003	1.75E-05	0.010	38.867	TRUE	8.81E-09
PEF	JMY	cg09228878	rs6889156	T	C	0.151	0.025	0.336	8.17E-10	0.010	0.003	7.97E-05	0.010	37.698	TRUE	1.31E-08
PEF	JMY	cg24856658	rs12189248	T	C	-0.267	0.024	0.359	3.49E-28	0.012	0.003	2.44E-06	0.032	121.112	TRUE	2.40E-25
PEF	KDM1A	cg01718365	rs6658785	C	T	0.235	0.030	0.179	9.93E-15	-0.004	0.003	0.246	0.016	59.878	TRUE	4.13E-14
PEF	KDM1A	cg22683154	rs4620508	T	C	0.140	0.025	0.327	1.99E-08	-0.006	0.003	0.026	0.008	31.486	TRUE	9.09E-08
PEF	KDM1A	cg23271558	rs2072945	A	C	-0.264	0.032	0.151	1.58E-16	0.016	0.004	1.13E-05	0.018	68.029	TRUE	1.08E-14
PEF	KDM4A	cg00946598	rs10890266	T	C	-0.226	0.024	0.357	9.06E-21	0.000	0.003	0.979	0.023	87.309	TRUE	2.18E-20
PEF	KDM4A	cg00946598	rs145623194	T	C	0.307	0.054	0.054	1.51E-08	-0.004	0.006	0.482	0.009	32.025	TRUE	2.88E-08
PEF	KDM4A	cg00946598	rs61768371	A	G	0.413	0.024	0.368	2.46E-66	0.003	0.003	0.221	0.074	295.832	TRUE	4.85E-63
PEF	KDM4A	cg05886813	rs112476957	T	C	0.300	0.042	0.090	1.45E-12	0.001	0.005	0.832	0.013	50.092	TRUE	2.55E-12
PEF	KDM4A	cg05886813	rs11590627	C	T	-0.570	0.024	0.327	2.10E-123	-0.008	0.003	0.003	0.131	557.875	TRUE	1.92E-113
PEF	KDM4A	cg05886813	rs12126199	T	C	-0.392	0.066	0.030	2.40E-09	-0.003	0.007	0.665	0.010	35.595	TRUE	4.10E-09
PEF	KDM4A	cg05886813	rs12132745	A	G	0.452	0.046	0.068	4.56E-23	-0.003	0.005	0.551	0.026	97.776	TRUE	2.25E-22
PEF	KDM4A	cg05886813	rs4660756	T	C	0.262	0.025	0.318	1.80E-25	0.001	0.003	0.744	0.029	108.732	TRUE	8.03E-25
PEF	KDM4A	cg05886813	rs516921	T	G	0.175	0.030	0.190	4.23E-09	0.000	0.003	0.978	0.009	34.496	TRUE	5.57E-09
PEF	KDM4A	cg05886813	rs6429645	C	G	-0.259	0.032	0.148	4.74E-16	-0.002	0.004	0.564	0.017	65.867	TRUE	1.36E-15
PEF	KDM4A	cg05886813	rs72671121	T	A	0.157	0.024	0.412	4.33E-11	0.008	0.003	0.002	0.012	43.433	TRUE	4.70E-10
PEF	KDM4A	cg05886813	rs78050663	T	A	-0.501	0.047	0.071	6.20E-27	-0.005	0.005	0.321	0.030	115.410	TRUE	6.51E-26
PEF	KDM4A	cg08462360	rs12034875	C	T	-0.190	0.025	0.319	1.10E-14	-0.001	0.003	0.677	0.016	59.680	TRUE	2.52E-14
PEF	KDM4A	cg08462360	rs4660756	T	C	0.147	0.025	0.318	3.54E-09	0.001	0.003	0.744	0.009	34.844	TRUE	5.59E-09
PEF	KDM4A	cg19743044	rs11590627	C	T	-0.643	0.024	0.327	4.76E-160	-0.008	0.003	0.003	0.164	726.271	TRUE	1.37E-145
PEF	KDM4A	cg19743044	rs12126199	T	C	-0.465	0.066	0.030	1.33E-12	-0.003	0.007	0.665	0.013	50.259	TRUE	2.73E-12
PEF	KDM4A	cg19743044	rs12132745	A	G	0.586	0.046	0.068	5.79E-38	-0.003	0.005	0.551	0.043	165.819	TRUE	1.10E-36
PEF	KDM4A	cg19743044	rs1981080	T	G	0.135	0.024	0.487	1.07E-08	0.007	0.003	0.010	0.009	32.699	TRUE	6.18E-08

PEF	KDM4A	cg19743044	rs201958677	T	A	0.240	0.024	0.353	1.06E-22	0.001	0.003	0.837	0.025	96.108	TRUE	3.48E-22
PEF	KDM4A	cg19743044	rs2231284	C	T	0.183	0.033	0.139	3.14E-08	0.002	0.004	0.516	0.008	30.600	TRUE	5.78E-08
PEF	KDM4A	cg19743044	rs56072551	T	G	0.309	0.042	0.093	2.50E-13	0.002	0.005	0.696	0.014	53.540	TRUE	5.22E-13
PEF	KDM4A	cg19743044	rs618369	G	T	0.193	0.035	0.290	3.68E-08	0.004	0.003	0.164	0.008	30.295	TRUE	9.99E-08
PEF	KDM4A	cg19743044	rs6429645	C	G	-0.264	0.032	0.148	1.04E-16	-0.002	0.004	0.564	0.018	68.864	TRUE	3.11E-16
PEF	KDM4A	cg19743044	rs78050663	T	A	-0.555	0.047	0.071	8.76E-33	-0.005	0.005	0.321	0.037	142.132	TRUE	1.62E-31
PEF	KDM4A	cg20942219	rs3791033	C	T	-0.216	0.024	0.347	7.79E-19	0.004	0.003	0.179	0.021	78.511	TRUE	5.42E-18
PEF	KDR	cg01340163	rs11722486	T	G	0.307	0.031	0.188	1.14E-23	-0.016	0.003	8.18E-07	0.026	100.526	TRUE	4.44E-21
PEF	KDR	cg07098391	rs12498317	A	G	-0.144	0.026	0.298	1.88E-08	0.011	0.003	7.11E-05	0.008	31.601	TRUE	2.37E-07
PEF	KDR	cg18177533	rs1350542	T	C	0.127	0.023	0.489	4.69E-08	0.001	0.003	0.768	0.008	29.823	TRUE	6.84E-08
PEF	KDR	cg19420645	rs185919570	T	C	-0.171	0.030	0.174	1.65E-08	-0.012	0.003	6.30E-05	0.009	31.851	TRUE	2.07E-07
PEF	KDR	cg19420645	rs78590050	C	T	0.495	0.037	0.187	2.80E-40	-0.001	0.003	0.846	0.046	176.417	TRUE	3.84E-39
PEF	KDR	cg25444386	rs6818203	C	T	0.174	0.031	0.180	2.04E-08	-0.017	0.003	5.08E-07	0.008	31.436	TRUE	4.41E-07
PEF	KIF1B	cg03517919	rs11121529	G	C	0.510	0.037	0.112	3.69E-42	-0.018	0.004	3.35E-06	0.048	185.023	TRUE	2.96E-38
PEF	KIF1B	cg03517919	rs11121551	C	T	-0.246	0.024	0.358	3.52E-24	0.002	0.003	0.358	0.027	102.849	TRUE	2.65E-23
PEF	KIF1B	cg11342332	rs12127553	G	A	0.156	0.024	0.336	1.13E-10	0.003	0.003	0.341	0.011	41.558	TRUE	2.90E-10
PEF	KIF1B	cg11342332	rs185146752	A	G	0.414	0.068	0.028	1.36E-09	0.007	0.008	0.326	0.010	36.711	TRUE	3.33E-09
PEF	KIF1B	cg11342332	rs4846204	T	C	-0.239	0.036	0.124	1.95E-11	-0.022	0.004	1.02E-08	0.012	44.994	TRUE	1.26E-09
PEF	KIF1B	cg11399195	rs11121529	G	C	-0.513	0.037	0.112	8.95E-43	-0.018	0.004	3.35E-06	0.048	187.839	TRUE	8.01E-39
PEF	KIF1B	cg11399195	rs4240911	C	T	0.257	0.025	0.328	3.66E-25	0.001	0.003	0.688	0.028	107.328	TRUE	1.75E-24
PEF	KIF1B	cg11712187	rs11121525	T	C	0.232	0.038	0.102	1.00E-09	-0.008	0.004	0.037	0.010	37.303	TRUE	4.90E-09
PEF	KIF1B	cg11712187	rs1307490	T	C	0.305	0.044	0.080	4.95E-12	0.013	0.005	0.009	0.013	47.680	TRUE	4.56E-11
PEF	KIF1B	cg11712187	rs568844631	C	T	0.878	0.067	0.028	7.08E-39	0.007	0.008	0.323	0.044	169.994	TRUE	2.47E-37
PEF	KIF1B	cg11802797	rs11121529	G	C	0.336	0.038	0.112	5.13E-19	-0.018	0.004	3.35E-06	0.021	79.335	TRUE	7.34E-17
PEF	KIF1B	cg11802797	rs35859381	A	G	-0.168	0.024	0.356	4.44E-12	0.002	0.003	0.390	0.013	47.896	TRUE	1.23E-11
PEF	KIF1B	cg15208524	rs35111552	G	C	0.289	0.025	0.290	2.30E-30	0.003	0.003	0.310	0.034	131.078	TRUE	3.35E-29
PEF	KIF1B	cg19092837	rs11121529	G	C	-0.334	0.037	0.112	2.22E-19	-0.018	0.004	3.35E-06	0.021	80.989	TRUE	3.39E-17
PEF	KIF1B	cg19092837	rs115297149	T	G	0.492	0.066	0.028	8.27E-14	0.007	0.008	0.326	0.015	55.711	TRUE	2.81E-13
PEF	KIF1B	cg19092837	rs12127553	G	A	0.145	0.024	0.336	1.80E-09	0.003	0.003	0.341	0.010	36.162	TRUE	4.21E-09
PEF	KIF1B	cg23716690	rs11121529	G	C	-0.371	0.038	0.112	8.38E-23	-0.018	0.004	3.35E-06	0.025	96.572	TRUE	2.33E-20
PEF	KIF1B	cg23716690	rs12127553	G	A	0.473	0.024	0.336	5.51E-87	0.003	0.003	0.341	0.096	390.600	TRUE	2.07E-82
PEF	KIF1B	cg23716690	rs2086650	T	C	-0.136	0.024	0.459	8.20E-09	0.004	0.003	0.131	0.009	33.209	TRUE	2.60E-08
PEF	KIF1B	cg23716690	rs61782927	G	A	0.317	0.056	0.040	1.42E-08	0.007	0.007	0.279	0.009	32.147	TRUE	3.39E-08
PEF	KIF1B	cg26116724	rs113331329	G	C	-0.464	0.073	0.030	2.22E-10	-0.024	0.008	0.002	0.011	40.244	TRUE	2.36E-09
PEF	KIF1B	cg26247646	rs11121529	G	C	-0.549	0.037	0.112	1.06E-48	-0.018	0.004	3.35E-06	0.055	214.976	TRUE	2.78E-44
PEF	KIF1B	cg26247646	rs4240911	C	T	0.289	0.025	0.328	1.95E-31	0.001	0.003	0.688	0.035	135.974	TRUE	1.56E-30
PEF	KIF1B	cg26247646	rs7536149	T	C	-0.145	0.026	0.274	1.41E-08	-0.006	0.003	0.034	0.009	32.152	TRUE	6.15E-08
PEF	KIF25	cg01134139	rs2636354	C	T	-0.270	0.027	0.343	3.62E-24	0.006	0.003	0.018	0.027	102.789	TRUE	1.16E-22
PEF	KIF25	cg01134139	rs4708627	G	A	0.466	0.036	0.163	2.77E-39	0.003	0.004	0.422	0.044	171.863	TRUE	7.86E-38
PEF	KIF25	cg01878651	rs117005976	G	C	0.435	0.042	0.098	1.23E-25	0.001	0.004	0.887	0.029	109.486	TRUE	4.59E-25
PEF	KIF25	cg01878651	rs117460701	T	C	-0.583	0.103	0.033	1.64E-08	0.007	0.006	0.230	0.009	31.859	TRUE	4.23E-08
PEF	KIF25	cg01878651	rs11964963	C	T	0.248	0.029	0.279	9.20E-18	-0.001	0.003	0.690	0.020	73.638	TRUE	2.54E-17

PEF	KIF25	cg01878651	rs227235	T	C	-0.674	0.025	0.325	2.66E-155	0.007	0.003	0.010	0.160	704.450	TRUE	6.87E-142
PEF	KIF25	cg01878651	rs227239	T	C	0.275	0.035	0.162	4.18E-15	0.006	0.004	0.094	0.016	61.581	TRUE	2.75E-14
PEF	KIF25	cg01878651	rs3734887	T	C	0.245	0.030	0.206	7.24E-16	-0.008	0.003	0.007	0.017	65.031	TRUE	1.15E-14
PEF	KIF25	cg01878651	rs649023	T	C	-0.204	0.027	0.373	2.75E-14	0.008	0.003	0.004	0.015	57.875	TRUE	4.18E-13
PEF	KIF25	cg03119088	rs6455477	A	T	-0.214	0.029	0.279	7.08E-14	-0.001	0.003	0.828	0.015	56.016	TRUE	1.32E-13
PEF	KIF25	cg03662475	rs2636354	C	T	-0.162	0.027	0.343	1.35E-09	0.006	0.003	0.018	0.010	36.727	TRUE	7.60E-09
PEF	KIF25	cg03873264	rs116937646	C	T	-0.329	0.052	0.062	2.96E-10	-0.005	0.005	0.354	0.011	39.676	TRUE	7.32E-10
PEF	KIF25	cg03873264	rs2076664	A	G	0.203	0.035	0.168	5.04E-09	0.000	0.004	0.954	0.009	34.154	TRUE	6.73E-09
PEF	KIF25	cg03873264	rs55996044	A	C	0.163	0.026	0.359	5.27E-10	-0.011	0.003	7.25E-05	0.010	38.553	TRUE	8.98E-09
PEF	KIF25	cg03873264	rs57847661	T	A	-0.439	0.043	0.099	5.48E-25	-0.003	0.004	0.515	0.028	106.529	TRUE	3.36E-24
PEF	KIF25	cg03873264	rs62426260	G	A	-0.227	0.028	0.289	3.10E-16	-0.006	0.003	0.060	0.018	66.701	TRUE	2.72E-15
PEF	KIF25	cg03873264	rs73040830	C	T	-1.791	0.070	0.031	1.74E-144	-0.003	0.007	0.711	0.150	654.748	TRUE	7.56E-135
PEF	KIF25	cg03873264	rs7741791	A	C	-0.305	0.033	0.193	7.08E-21	0.005	0.003	0.135	0.023	87.796	TRUE	6.98E-20
PEF	KIF25	cg03873264	rs9455926	T	C	-0.193	0.029	0.279	2.44E-11	-0.001	0.003	0.687	0.012	44.554	TRUE	4.51E-11
PEF	KIF25	cg04680494	rs4708629	C	T	-0.157	0.026	0.402	1.51E-09	-0.008	0.003	0.002	0.010	36.496	TRUE	1.33E-08
PEF	KIF25	cg05282968	rs6922131	A	G	0.255	0.029	0.260	1.37E-18	-0.001	0.003	0.768	0.020	77.392	TRUE	3.68E-18
PEF	KIF25	cg05392263	rs112582432	G	C	0.413	0.036	0.153	5.79E-30	-0.006	0.004	0.117	0.034	129.243	TRUE	1.59E-28
PEF	KIF25	cg05392263	rs12663760	T	C	-0.303	0.044	0.076	7.28E-12	-0.006	0.005	0.153	0.013	46.925	TRUE	2.89E-11
PEF	KIF25	cg05392263	rs2636354	C	T	-0.154	0.027	0.343	8.67E-09	0.006	0.003	0.018	0.009	33.101	TRUE	4.42E-08
PEF	KIF25	cg08476511	rs10455760	T	G	0.178	0.029	0.275	7.19E-10	0.000	0.003	0.949	0.010	37.947	TRUE	1.00E-09
PEF	KIF25	cg08476511	rs227235	T	C	-0.422	0.026	0.325	1.22E-57	0.007	0.003	0.010	0.065	255.957	TRUE	5.50E-54
PEF	KIF25	cg08476511	rs2516795	G	T	0.180	0.030	0.215	2.23E-09	-0.007	0.003	0.025	0.010	35.744	TRUE	1.15E-08
PEF	KIF25	cg08476511	rs4708627	G	A	0.838	0.034	0.163	6.02E-131	0.003	0.004	0.422	0.138	592.528	TRUE	2.36E-122
PEF	KIF25	cg08476511	rs6900844	A	G	0.354	0.030	0.243	6.91E-33	0.002	0.003	0.488	0.037	142.601	TRUE	9.00E-32
PEF	KIF25	cg08476511	rs739322	A	G	0.462	0.043	0.081	1.78E-26	-0.008	0.004	0.062	0.030	113.321	TRUE	4.55E-25
PEF	KIF25	cg08476511	rs9455935	T	C	-0.235	0.029	0.260	8.41E-16	0.000	0.003	0.937	0.017	64.736	TRUE	1.56E-15
PEF	KIF25	cg10146514	rs2636362	G	T	-0.225	0.026	0.409	2.80E-18	0.009	0.003	4.13E-04	0.020	75.981	TRUE	1.24E-16
PEF	KIF25	cg12003941	rs2516795	G	T	0.175	0.030	0.215	6.18E-09	-0.007	0.003	0.025	0.009	33.760	TRUE	3.01E-08
PEF	KIF25	cg12003941	rs2636362	G	T	-0.226	0.026	0.409	1.75E-18	0.009	0.003	4.13E-04	0.020	76.907	TRUE	7.97E-17
PEF	KIF25	cg12003941	rs4708627	G	A	0.319	0.036	0.163	5.89E-19	0.003	0.004	0.422	0.021	79.061	TRUE	2.56E-18
PEF	KIF25	cg12003941	rs78769974	T	C	-0.403	0.062	0.047	1.03E-10	-0.001	0.006	0.932	0.011	41.746	TRUE	1.50E-10
PEF	KIF25	cg12003941	rs9295037	T	C	0.613	0.044	0.080	6.32E-45	-0.009	0.005	0.043	0.051	197.688	TRUE	1.92E-42
PEF	KIF25	cg13314057	rs57938508	G	A	0.208	0.029	0.260	1.28E-12	-0.001	0.003	0.789	0.013	50.339	TRUE	2.33E-12
PEF	KIF25	cg13770417	rs2843005	T	C	0.154	0.028	0.281	4.24E-08	-0.003	0.003	0.233	0.008	30.021	TRUE	1.06E-07
PEF	KIF25	cg13770417	rs41266301	C	T	-1.238	0.039	0.100	2.88E-222	0.001	0.004	0.784	0.215	1012.308	TRUE	5.53E-202
PEF	KIF25	cg13770417	rs4708629	C	T	0.177	0.026	0.402	9.79E-12	-0.008	0.003	0.002	0.012	46.344	TRUE	1.20E-10
PEF	KIF25	cg13770417	rs55996044	A	C	0.253	0.026	0.359	3.43E-22	-0.011	0.003	7.25E-05	0.025	93.784	TRUE	4.50E-20
PEF	KIF25	cg13770417	rs9455928	A	T	-0.180	0.029	0.279	5.19E-10	-0.001	0.003	0.736	0.010	38.584	TRUE	8.70E-10
PEF	KIF25	cg14316629	rs2516811	A	G	-0.291	0.031	0.226	1.71E-21	0.000	0.003	0.946	0.024	90.611	TRUE	4.42E-21
PEF	KIF25	cg14316629	rs2843005	T	C	-0.197	0.028	0.281	2.28E-12	-0.003	0.003	0.233	0.013	49.201	TRUE	8.16E-12
PEF	KIF25	cg14316629	rs4708627	G	A	-0.554	0.035	0.163	2.95E-55	0.003	0.004	0.422	0.062	245.028	TRUE	5.73E-53
PEF	KIF25	cg14316629	rs73042810	C	T	-0.485	0.062	0.049	3.17E-15	-0.001	0.006	0.866	0.017	62.124	TRUE	6.24E-15

PEF	KIF25	cg14316629	rs9295037	T	C	0.760	0.043	0.080	2.43E-69	-0.009	0.005	0.043	0.077	309.623	TRUE	3.12E-65
PEF	KIF25	cg15371806	rs227239	T	C	0.767	0.034	0.162	5.94E-114	0.006	0.004	0.094	0.122	514.448	TRUE	3.11E-106
PEF	KIF25	cg15371806	rs57161854	T	C	0.601	0.096	0.021	4.17E-10	0.007	0.009	0.468	0.010	39.010	TRUE	8.98E-10
PEF	KIF25	cg15371806	rs9346641	A	T	-0.273	0.029	0.241	5.17E-21	-0.010	0.003	6.46E-04	0.023	88.419	TRUE	3.14E-19
PEF	KIF25	cg15371806	rs9455933	T	C	-0.154	0.026	0.444	2.21E-09	-0.010	0.003	6.04E-05	0.010	35.757	TRUE	3.21E-08
PEF	KIF25	cg16038269	rs227238	C	G	-0.175	0.027	0.321	8.45E-11	0.007	0.003	0.016	0.011	42.129	TRUE	5.82E-10
PEF	KIF25	cg16320173	rs9364390	T	G	-0.250	0.045	0.079	2.54E-08	-0.009	0.005	0.051	0.008	31.017	TRUE	9.84E-08
PEF	KIF25	cg16912129	rs3823455	G	A	-0.371	0.043	0.099	2.63E-18	-0.003	0.004	0.523	0.020	76.109	TRUE	9.34E-18
PEF	KIF25	cg16912129	rs62426260	G	A	-0.173	0.028	0.289	5.99E-10	-0.006	0.003	0.060	0.010	38.303	TRUE	2.69E-09
PEF	KIF25	cg16912129	rs6924345	C	G	-0.193	0.032	0.203	2.52E-09	-0.004	0.003	0.198	0.010	35.505	TRUE	7.26E-09
PEF	KIF25	cg16912129	rs73040836	T	G	-1.452	0.072	0.030	2.74E-90	-0.003	0.007	0.657	0.099	405.765	TRUE	7.12E-86
PEF	KIF25	cg16912129	rs7741791	A	C	-0.221	0.033	0.193	1.48E-11	0.005	0.003	0.135	0.012	45.541	TRUE	6.01E-11
PEF	KIF25	cg18009322	rs227239	T	C	0.374	0.035	0.162	9.19E-27	0.006	0.004	0.094	0.030	114.629	TRUE	2.00E-25
PEF	KIF25	cg18009322	rs2516791	T	C	-0.155	0.026	0.434	1.59E-09	0.002	0.003	0.395	0.010	36.402	TRUE	3.56E-09
PEF	KIF25	cg18319852	rs10945461	C	T	-0.224	0.027	0.294	3.31E-16	0.008	0.003	0.004	0.018	66.575	TRUE	6.52E-15
PEF	KIF25	cg18319852	rs9295037	T	C	0.669	0.043	0.080	1.38E-53	-0.009	0.005	0.043	0.060	237.371	TRUE	1.44E-50
PEF	KIF25	cg21477075	rs3778670	T	C	0.450	0.036	0.153	2.83E-35	-0.006	0.004	0.120	0.040	153.516	TRUE	1.37E-33
PEF	KIF25	cg21477075	rs6455469	C	T	0.230	0.034	0.163	2.27E-11	-0.010	0.004	0.003	0.012	44.695	TRUE	2.36E-10
PEF	KIF25	cg21477075	rs739323	T	G	0.466	0.064	0.043	3.61E-13	0.007	0.006	0.220	0.014	52.818	TRUE	1.40E-12
PEF	KIF25	cg21477075	rs78484265	C	A	0.210	0.038	0.121	3.42E-08	0.000	0.004	0.921	0.008	30.434	TRUE	4.54E-08
PEF	KIF25	cg21477075	rs9455911	G	C	-0.218	0.027	0.352	5.42E-16	0.006	0.003	0.023	0.017	65.604	TRUE	6.48E-15
PEF	KIF25	cg21477075	rs957382	T	C	-0.477	0.026	0.323	2.83E-73	0.007	0.003	0.015	0.081	327.670	TRUE	1.45E-68
PEF	KIF25	cg21906947	rs4708628	C	T	-0.198	0.027	0.294	5.23E-13	0.008	0.003	0.004	0.014	52.088	TRUE	6.89E-12
PEF	KIF25	cg23823000	rs140772139	A	G	-0.218	0.038	0.126	7.57E-09	-0.011	0.004	0.005	0.009	33.365	TRUE	5.06E-08
PEF	KIF25	cg23823000	rs2516811	A	G	-0.445	0.030	0.226	6.03E-49	0.000	0.003	0.946	0.055	216.104	TRUE	1.75E-47
PEF	KIF25	cg23823000	rs4708627	G	A	-0.970	0.034	0.163	1.32E-181	0.003	0.004	0.422	0.182	825.369	TRUE	9.53E-167
PEF	KIF25	cg23823000	rs4708628	C	T	0.573	0.027	0.294	5.05E-103	0.008	0.003	0.004	0.112	464.244	TRUE	3.25E-95
PEF	KIF25	cg23823000	rs6900844	A	G	-0.258	0.030	0.243	4.50E-18	0.002	0.003	0.488	0.020	75.050	TRUE	1.67E-17
PEF	KIF25	cg23823000	rs73028311	T	C	-0.608	0.108	0.030	2.02E-08	-0.006	0.007	0.415	0.008	31.455	TRUE	4.13E-08
PEF	KIF25	cg23823000	rs73042809	C	A	-0.437	0.059	0.054	8.17E-14	0.001	0.005	0.919	0.015	55.735	TRUE	1.40E-13
PEF	KIF25	cg24246628	rs10455760	T	G	0.193	0.029	0.275	2.45E-11	0.000	0.003	0.949	0.012	44.551	TRUE	3.64E-11
PEF	KIF25	cg24246628	rs10945461	C	T	-0.399	0.027	0.294	4.25E-49	0.008	0.003	0.004	0.055	216.804	TRUE	8.26E-46
PEF	KIF25	cg24246628	rs2516795	G	T	0.197	0.030	0.215	6.38E-11	-0.007	0.003	0.025	0.011	42.677	TRUE	3.96E-10
PEF	KIF25	cg24246628	rs2516811	A	G	0.257	0.031	0.226	4.94E-17	0.000	0.003	0.946	0.019	70.321	TRUE	9.81E-17
PEF	KIF25	cg24246628	rs4708627	G	A	0.825	0.034	0.163	7.54E-127	0.003	0.004	0.422	0.134	573.699	TRUE	1.08E-118
PEF	KIF25	cg24246628	rs58330333	C	T	0.528	0.043	0.084	1.42E-34	-0.010	0.005	0.030	0.039	150.321	TRUE	1.36E-32
PEF	KIF25	cg25945504	rs6455477	A	T	-0.242	0.029	0.279	2.33E-17	-0.001	0.003	0.828	0.019	71.807	TRUE	5.32E-17
PEF	KIF25	cg25945504	rs73260879	G	A	-1.974	0.120	0.011	6.78E-61	0.005	0.011	0.645	0.068	270.879	TRUE	1.64E-58
PEF	KIF25	cg25945504	rs739322	A	G	0.344	0.044	0.081	2.81E-15	-0.008	0.004	0.062	0.017	62.363	TRUE	2.17E-14
PEF	KIF25	cg27083466	rs73040836	T	G	-0.617	0.074	0.030	7.96E-17	-0.003	0.007	0.657	0.018	69.382	TRUE	2.15E-16
PEF	KIT	cg01819568	rs3819385	A	G	0.408	0.057	0.049	8.35E-13	-0.004	0.006	0.512	0.014	51.169	TRUE	2.07E-12
PEF	KIT	cg06483432	rs12643659	G	T	-0.495	0.051	0.057	1.86E-22	-0.001	0.005	0.797	0.025	94.998	TRUE	6.22E-22

PEF	KIT	cg06483432	rs3819387	G	A	0.243	0.024	0.386	5.66E-24	0.008	0.003	0.003	0.027	101.906	TRUE	3.34E-22
PEF	KIT	cg17854066	rs6855603	G	A	-0.200	0.023	0.486	1.35E-17	0.000	0.003	0.880	0.019	72.880	TRUE	3.01E-17
PEF	KIT	cg18836493	rs981959	G	T	0.367	0.024	0.433	6.13E-55	-0.006	0.003	0.011	0.062	243.570	TRUE	1.81E-51
PEF	LAMP3	cg02345747	rs1464574	T	C	0.253	0.024	0.409	8.40E-26	-0.001	0.003	0.617	0.029	110.247	TRUE	4.65E-25
PEF	LAMP3	cg07334977	rs1464574	T	C	-0.145	0.024	0.409	1.44E-09	-0.001	0.003	0.617	0.010	36.591	TRUE	2.61E-09
PEF	LAMP3	cg19825758	rs522838	C	G	-0.352	0.029	0.214	1.02E-34	-0.006	0.003	0.046	0.039	150.981	TRUE	7.97E-33
PEF	LAMP3	cg20742009	rs13084610	A	G	0.700	0.037	0.105	1.12E-79	0.002	0.004	0.666	0.088	357.056	TRUE	4.39E-76
PEF	LAMP3	cg20742009	rs2272115	A	G	-0.161	0.024	0.431	1.39E-11	-0.005	0.003	0.041	0.012	45.656	TRUE	8.01E-11
PEF	LAMP3	cg20742009	rs624247	G	A	0.309	0.027	0.256	3.53E-31	-0.002	0.003	0.400	0.035	134.793	TRUE	4.71E-30
PEF	LAMP3	cg20742009	rs75943573	T	G	0.250	0.043	0.077	5.01E-09	-0.006	0.005	0.205	0.009	34.167	TRUE	1.38E-08
PEF	LAMP3	cg22288011	rs3811731	A	G	-1.285	0.033	0.104	<1E-200	0.002	0.004	0.666	0.296	1557.378	TRUE	1.37E-297
PEF	LAMP3	cg22288011	rs624247	G	A	-0.454	0.026	0.256	3.61E-66	-0.002	0.003	0.400	0.074	295.068	TRUE	3.63E-63
PEF	LAMP3	cg22288011	rs75943573	T	G	-0.502	0.043	0.077	4.19E-32	-0.006	0.005	0.205	0.036	139.022	TRUE	9.86E-31
PEF	LAMP3	cg22288011	rs9290753	T	C	0.238	0.024	0.437	8.21E-24	-0.005	0.003	0.037	0.027	101.171	TRUE	1.87E-22
PEF	LAMP3	cg22288011	rs9814216	C	T	-0.299	0.029	0.208	1.27E-25	0.003	0.003	0.282	0.029	109.430	TRUE	1.27E-24
PEF	LAMP3	cg22356117	rs3811731	A	G	0.299	0.038	0.104	2.09E-15	0.002	0.004	0.666	0.017	62.945	TRUE	5.09E-15
PEF	LAMP3	cg22356117	rs522838	C	G	-0.284	0.029	0.214	2.81E-22	-0.006	0.003	0.046	0.025	94.182	TRUE	5.18E-21
PEF	LAMP3	cg22356117	rs599501	G	A	-0.231	0.039	0.099	3.19E-09	-0.001	0.004	0.876	0.009	35.047	TRUE	4.53E-09
PEF	LAMP3	cg25867545	rs111559465	A	G	-0.296	0.047	0.063	2.20E-10	-0.007	0.005	0.152	0.011	40.263	TRUE	7.74E-10
PEF	LAMP3	cg25867545	rs1965484	T	G	-0.198	0.024	0.412	2.13E-16	-0.001	0.003	0.644	0.018	67.444	TRUE	5.70E-16
PEF	LAPTM4A	cg00289125	rs1147117	T	A	0.190	0.026	0.288	9.60E-14	0.005	0.003	0.090	0.015	55.418	TRUE	5.64E-13
PEF	LAPTM4A	cg07509646	rs1147117	T	A	0.186	0.026	0.288	2.99E-13	0.005	0.003	0.090	0.014	53.186	TRUE	1.67E-12
PEF	LAPTM4A	cg08323277	rs3731673	A	C	-0.199	0.029	0.205	4.95E-12	-0.007	0.003	0.033	0.013	47.683	TRUE	3.27E-11
PEF	LAPTM4A	cg11245806	rs13022175	T	C	0.219	0.023	0.437	1.13E-20	0.003	0.003	0.215	0.023	86.866	TRUE	8.89E-20
PEF	LAPTM4A	cg11245806	rs1513830	C	T	-0.484	0.028	0.208	2.40E-65	-0.007	0.003	0.025	0.073	291.294	TRUE	2.23E-61
PEF	LAPTM4A	cg11245806	rs62109386	A	G	-0.205	0.028	0.227	3.70E-13	0.005	0.003	0.123	0.014	52.767	TRUE	1.84E-12
PEF	LAPTM4A	cg11245806	rs62112220	A	G	-0.439	0.072	0.029	1.02E-09	-0.005	0.008	0.555	0.010	37.266	TRUE	1.97E-09
PEF	LAPTM4A	cg11245806	rs6747472	T	C	0.293	0.026	0.293	1.94E-29	-0.001	0.003	0.759	0.033	126.845	TRUE	1.19E-28
PEF	LAPTM4A	cg11245806	rs6756290	G	T	0.140	0.024	0.439	2.80E-09	0.008	0.003	0.001	0.009	35.297	TRUE	2.73E-08
PEF	LAPTM4A	cg11245806	rs75750075	T	A	-0.335	0.053	0.050	3.61E-10	-0.011	0.005	0.041	0.011	39.291	TRUE	1.82E-09
PEF	LAPTM4A	cg11645081	rs1947730	C	T	0.140	0.023	0.429	2.22E-09	0.002	0.003	0.366	0.010	35.755	TRUE	5.14E-09
PEF	LAPTM4A	cg11645081	rs61193764	C	T	0.357	0.032	0.162	4.79E-29	0.001	0.004	0.859	0.033	125.054	TRUE	2.38E-28
PEF	LAPTM4A	cg17953136	rs6705765	G	A	0.220	0.024	0.366	2.11E-19	0.000	0.003	0.921	0.021	81.092	TRUE	5.02E-19
PEF	LAPTM4A	cg17989428	rs12052278	A	G	0.248	0.033	0.146	3.70E-14	0.009	0.004	0.009	0.015	57.293	TRUE	4.49E-13
PEF	LAPTM4A	cg19484160	rs6747472	T	C	0.196	0.026	0.293	2.23E-14	-0.001	0.003	0.759	0.016	58.283	TRUE	4.70E-14
PEF	LAPTM4A	cg22201381	rs28380549	A	G	0.146	0.024	0.403	1.05E-09	0.000	0.003	0.883	0.010	37.216	TRUE	1.53E-09
PEF	LAPTM4A	cg22201381	rs3754909	G	A	-0.236	0.025	0.357	9.58E-22	0.001	0.003	0.766	0.024	91.753	TRUE	3.20E-21
PEF	LAPTM4A	cg23821541	rs6747472	T	C	0.285	0.025	0.293	4.90E-29	-0.001	0.003	0.759	0.033	125.008	TRUE	2.89E-28
PEF	LAPTM5	cg08463932	rs11801629	G	C	0.473	0.025	0.291	1.69E-78	-0.027	0.003	1.32E-22	0.087	351.642	TRUE	1.58E-67
PEF	LAPTM5	cg10001720	rs10737354	T	G	0.368	0.023	0.462	4.74E-57	-0.017	0.003	3.50E-11	0.064	253.252	TRUE	1.26E-50
PEF	LAPTM5	cg10001720	rs10753237	A	G	-0.298	0.045	0.158	2.20E-11	-0.010	0.004	0.008	0.012	44.760	TRUE	1.94E-10
PEF	LAPTM5	cg10001720	rs10914199	T	C	0.473	0.030	0.186	2.70E-57	0.012	0.003	1.55E-04	0.064	254.369	TRUE	7.41E-53

PEF	LAPTM5	cg10001720	rs11584510	T	G	-0.272	0.042	0.080	9.86E-11	-0.007	0.004	0.113	0.011	41.826	TRUE	3.96E-10
PEF	LAPTM5	cg10001720	rs1188348	C	T	0.844	0.022	0.325	<1E-200	-0.027	0.003	3.38E-23	0.294	1538.550	TRUE	1.01E-278
PEF	LAPTM5	cg10001720	rs12130925	G	A	-0.395	0.039	0.099	1.10E-23	0.016	0.004	1.26E-04	0.026	100.586	TRUE	1.56E-21
PEF	LAPTM5	cg10001720	rs2506968	T	C	-0.147	0.025	0.335	2.32E-09	0.004	0.003	0.177	0.010	35.663	TRUE	6.93E-09
PEF	LAPTM5	cg10001720	rs4949310	T	C	0.217	0.025	0.319	1.91E-18	-0.005	0.003	0.047	0.020	76.740	TRUE	2.32E-17
PEF	LAPTM5	cg10001720	rs72657208	G	C	-0.546	0.046	0.077	2.71E-32	0.005	0.005	0.251	0.036	139.888	TRUE	5.75E-31
PEF	LAPTM5	cg10001720	rs76756206	G	C	-0.587	0.079	0.017	1.01E-13	-0.014	0.007	0.056	0.015	55.310	TRUE	6.93E-13
PEF	LAPTM5	cg10709350	rs1149050	G	A	-0.307	0.028	0.234	7.27E-28	-0.002	0.003	0.503	0.031	119.658	TRUE	5.82E-27
PEF	LAPTM5	cg10709350	rs1149053	T	C	-0.273	0.031	0.164	7.52E-19	0.001	0.003	0.831	0.021	78.579	TRUE	1.88E-18
PEF	LAPTM5	cg10709350	rs1391381	C	T	-0.149	0.027	0.250	3.16E-08	0.004	0.003	0.145	0.008	30.593	TRUE	9.08E-08
PEF	LAPTM5	cg10709350	rs1882023	T	C	-0.222	0.025	0.291	1.31E-18	0.005	0.003	0.117	0.021	77.487	TRUE	1.08E-17
PEF	LAPTM5	cg10709350	rs2377485	A	G	0.253	0.030	0.184	2.63E-17	-0.003	0.003	0.310	0.019	71.569	TRUE	1.23E-16
PEF	LAPTM5	cg10709350	rs3795438	T	C	0.927	0.022	0.268	<1E-200	-0.007	0.003	0.021	0.326	1786.161	TRUE	<1E-200
PEF	LAPTM5	cg12654790	rs11801629	G	C	0.493	0.025	0.291	1.14E-85	-0.027	0.003	1.32E-22	0.094	384.563	TRUE	7.89E-74
PEF	LAPTM5	cg12654790	rs6695981	C	T	0.172	0.028	0.213	7.17E-10	-0.015	0.003	1.44E-06	0.010	37.954	TRUE	1.96E-08
PEF	LAPTM5	cg15459165	rs12744988	T	C	0.308	0.026	0.288	3.16E-33	-0.027	0.003	2.57E-22	0.038	144.153	TRUE	1.70E-27
PEF	LAPTM5	cg15459165	rs35861413	A	C	-0.177	0.030	0.187	3.60E-09	0.013	0.003	1.06E-04	0.009	34.808	TRUE	4.62E-08
PEF	LAPTM5	cg17418085	rs34854980	A	T	-0.206	0.030	0.184	4.53E-12	0.013	0.003	1.44E-04	0.013	47.855	TRUE	9.46E-11
PEF	LAPTM5	cg18221336	rs1050663	T	C	-0.387	0.023	0.490	4.82E-65	0.007	0.003	0.010	0.073	289.904	TRUE	8.62E-61
PEF	LAPTM5	cg18221336	rs56286814	T	G	0.154	0.027	0.248	1.06E-08	-0.007	0.003	0.013	0.009	32.712	TRUE	5.65E-08
PEF	LAPTM5	cg18411043	rs1050663	T	C	-0.166	0.023	0.490	1.39E-12	0.007	0.003	0.010	0.013	50.173	TRUE	1.41E-11
PEF	LAPTM5	cg18411043	rs35861413	A	C	-0.219	0.030	0.187	2.45E-13	0.013	0.003	1.06E-04	0.014	53.577	TRUE	6.45E-12
PEF	LAPTM5	cg22034203	rs10753237	A	G	-0.283	0.045	0.158	2.19E-10	-0.010	0.004	0.008	0.011	40.270	TRUE	1.69E-09
PEF	LAPTM5	cg22034203	rs112880254	A	G	-0.350	0.037	0.110	4.30E-21	0.020	0.004	7.93E-08	0.023	88.782	TRUE	1.59E-18
PEF	LAPTM5	cg22034203	rs11584510	T	G	-0.270	0.042	0.080	1.41E-10	-0.007	0.004	0.113	0.011	41.134	TRUE	5.55E-10
PEF	LAPTM5	cg22034203	rs12403217	G	A	0.500	0.081	0.023	5.66E-10	0.000	0.009	0.977	0.010	38.415	TRUE	7.69E-10
PEF	LAPTM5	cg22034203	rs1746056	T	C	0.791	0.021	0.401	<1E-200	-0.029	0.003	3.12E-27	0.282	1451.701	TRUE	1.96E-263
PEF	LAPTM5	cg22034203	rs2273979	T	C	0.642	0.029	0.184	9.92E-108	0.012	0.003	4.11E-04	0.116	485.863	TRUE	6.45E-99
PEF	LAPTM5	cg22034203	rs4310484	A	G	-0.190	0.033	0.136	1.28E-08	0.005	0.004	0.134	0.009	32.348	TRUE	3.93E-08
PEF	LAPTM5	cg22034203	rs76756206	G	C	-0.561	0.079	0.017	1.26E-12	-0.014	0.007	0.056	0.013	50.365	TRUE	7.66E-12
PEF	LAPTM5	cg24459792	rs12137058	G	T	-0.241	0.029	0.192	1.24E-16	0.011	0.003	7.40E-04	0.018	68.502	TRUE	3.98E-15
PEF	LARP1	cg06062998	rs12153047	T	C	0.873	0.090	0.025	2.43E-22	0.004	0.009	0.613	0.025	94.463	TRUE	1.03E-21
PEF	LARP1	cg06062998	rs1421814	C	G	0.857	0.048	0.071	5.56E-72	0.009	0.005	0.062	0.080	321.736	TRUE	8.69E-68
PEF	LARP1	cg06062998	rs4348271	A	G	0.191	0.034	0.146	2.77E-08	0.002	0.004	0.633	0.008	30.849	TRUE	4.56E-08
PEF	LARP1	cg06912665	rs3867429	T	C	0.241	0.023	0.494	6.08E-26	-0.006	0.003	0.025	0.029	110.887	TRUE	2.18E-24
PEF	LARP1	cg16835415	rs12153047	T	C	0.727	0.090	0.025	7.33E-16	0.004	0.009	0.613	0.017	65.007	TRUE	1.97E-15
PEF	LARP1	cg16835415	rs7709899	A	G	0.879	0.047	0.071	1.38E-79	0.009	0.005	0.064	0.088	356.642	TRUE	8.37E-75
PEF	LARP1	cg23944572	rs10039709	G	A	0.316	0.026	0.275	1.19E-33	0.006	0.003	0.038	0.038	146.093	TRUE	8.94E-32
PEF	LARP1	cg23944572	rs34514305	C	T	0.153	0.024	0.433	7.62E-11	0.002	0.003	0.349	0.011	42.331	TRUE	1.97E-10
PEF	LEPR	cg03514351	rs1171282	A	G	-0.475	0.032	0.162	4.32E-51	0.005	0.003	0.149	0.058	225.932	TRUE	1.32E-48
PEF	LEPR	cg06558372	rs6656451	C	T	0.140	0.023	0.442	2.15E-09	0.005	0.003	0.039	0.010	35.817	TRUE	1.01E-08
PEF	LEPR	cg08922075	rs10889549	A	C	-0.149	0.023	0.458	1.32E-10	-0.001	0.003	0.723	0.011	41.253	TRUE	2.31E-10

PEF	LEPR	cg11228758	rs6658922	A	G	-0.159	0.023	0.413	1.08E-11	-0.004	0.003	0.110	0.012	46.148	TRUE	4.71E-11
PEF	LEPR	cg14199090	rs1751483	T	C	0.287	0.024	0.357	2.45E-32	-0.002	0.003	0.445	0.036	140.091	TRUE	3.29E-31
PEF	LEPR	cg14199090	rs2767486	G	A	-0.173	0.030	0.191	8.24E-09	0.002	0.003	0.621	0.009	33.200	TRUE	1.44E-08
PEF	LEPR	cg16265717	rs1171277	A	G	-0.449	0.031	0.161	9.89E-47	0.005	0.003	0.146	0.053	205.959	TRUE	1.69E-44
PEF	LEPR	cg16265717	rs142935509	T	C	-0.636	0.071	0.026	5.49E-19	0.003	0.008	0.760	0.021	79.199	TRUE	1.51E-18
PEF	LEPR	cg16265717	rs1751492	C	T	0.275	0.025	0.307	3.35E-28	0.001	0.003	0.866	0.032	121.196	TRUE	1.59E-27
PEF	LEPR	cg16265717	rs74986928	G	T	-0.709	0.095	0.014	1.05E-13	-0.006	0.010	0.562	0.015	55.247	TRUE	2.58E-13
PEF	LEPR	cg23688719	rs7533108	C	G	0.315	0.026	0.280	8.03E-34	0.003	0.003	0.286	0.038	146.875	TRUE	1.81E-32
PEF	LEPR	cg23688719	rs9436303	G	A	-0.176	0.028	0.250	1.91E-10	0.005	0.003	0.060	0.011	40.533	TRUE	8.86E-10
PEF	LEPR	cg26876444	rs12145690	C	A	-0.176	0.023	0.458	4.18E-14	-0.001	0.003	0.745	0.015	57.053	TRUE	8.65E-14
PEF	LEPROT	cg03853587	rs28429763	G	A	0.140	0.023	0.455	2.14E-09	0.002	0.003	0.344	0.010	35.821	TRUE	5.09E-09
PEF	LEPROT	cg03853587	rs3806318	G	A	-0.325	0.026	0.257	3.85E-36	-0.002	0.003	0.560	0.041	157.479	TRUE	5.87E-35
PEF	LEPROT	cg07342512	rs10493377	G	A	0.161	0.023	0.452	2.56E-12	-0.001	0.003	0.757	0.013	48.973	TRUE	4.79E-12
PEF	LEPROT	cg13202122	rs11800909	G	A	0.267	0.044	0.074	1.77E-09	0.006	0.005	0.169	0.010	36.196	TRUE	5.45E-09
PEF	LEPROT	cg13202122	rs12087382	A	T	-0.169	0.025	0.334	1.29E-11	0.000	0.003	0.997	0.012	45.801	TRUE	1.86E-11
PEF	LEPROT	cg13202122	rs1327119	T	G	0.519	0.023	0.459	4.06E-117	-0.001	0.003	0.664	0.125	528.992	TRUE	2.56E-110
PEF	LEPROT	cg13202122	rs17397283	G	A	0.246	0.042	0.076	4.69E-09	-0.002	0.005	0.698	0.009	34.296	TRUE	7.69E-09
PEF	LEPROT	cg13202122	rs4916047	A	G	-0.200	0.024	0.480	1.60E-17	0.002	0.003	0.432	0.019	72.548	TRUE	6.20E-17
PEF	LEPROT	cg13202122	rs72641130	C	T	0.179	0.032	0.168	2.00E-08	0.001	0.003	0.802	0.008	31.478	TRUE	2.90E-08
PEF	LEPROT	cg14976592	rs10493377	G	A	1.027	0.016	0.452	<1E-200	-0.001	0.003	0.757	0.532	4200.495	TRUE	<1E-200
PEF	LEPROT	cg14976592	rs114403972	G	A	-0.214	0.032	0.173	1.22E-11	-0.003	0.003	0.382	0.012	45.921	TRUE	3.25E-11
PEF	LEPROT	cg14976592	rs115291616	C	T	-0.368	0.049	0.069	4.07E-14	0.006	0.005	0.290	0.015	57.103	TRUE	1.50E-13
PEF	LEPROT	cg14976592	rs12087382	A	T	-0.348	0.025	0.334	2.04E-44	0.000	0.003	0.997	0.050	195.355	TRUE	3.30E-43
PEF	LEPROT	cg14976592	rs12116840	C	G	0.264	0.035	0.127	4.43E-14	0.002	0.004	0.626	0.015	56.938	TRUE	1.04E-13
PEF	LEPROT	cg14976592	rs12403430	G	T	0.516	0.071	0.030	3.90E-13	0.000	0.008	0.989	0.014	52.666	TRUE	6.05E-13
PEF	LEPROT	cg14976592	rs138517453	T	C	0.324	0.058	0.042	2.62E-08	0.002	0.006	0.777	0.008	30.956	TRUE	3.88E-08
PEF	LEPROT	cg14976592	rs17127618	G	C	0.215	0.033	0.152	6.55E-11	0.005	0.004	0.180	0.011	42.626	TRUE	2.22E-10
PEF	LEPROT	cg14976592	rs17397283	G	A	0.431	0.042	0.076	1.42E-24	-0.002	0.005	0.698	0.028	104.640	TRUE	6.37E-24
PEF	LEPROT	cg14976592	rs17407594	A	G	-0.305	0.033	0.166	1.09E-20	0.001	0.004	0.834	0.023	86.940	TRUE	3.06E-20
PEF	LEPROT	cg14976592	rs4655739	T	A	0.409	0.032	0.171	1.81E-38	0.001	0.003	0.802	0.043	168.126	TRUE	2.26E-37
PEF	LEPROT	cg14976592	rs4916038	A	G	-0.136	0.024	0.493	1.30E-08	-0.005	0.003	0.047	0.009	32.319	TRUE	5.33E-08
PEF	LEPROT	cg14976592	rs4916047	A	G	-0.380	0.023	0.480	8.10E-60	0.002	0.003	0.432	0.067	265.941	TRUE	2.93E-57
PEF	LEPROT	cg14976592	rs7546527	A	G	-0.521	0.090	0.016	8.47E-09	-0.002	0.010	0.859	0.009	33.147	TRUE	1.20E-08
PEF	LEPROT	cg14976592	rs79624796	G	A	-0.479	0.062	0.072	9.20E-15	0.002	0.005	0.607	0.016	60.028	TRUE	2.31E-14
PEF	LEPROT	cg14976592	rs80131221	C	T	-0.360	0.057	0.045	2.87E-10	-0.006	0.006	0.335	0.011	39.741	TRUE	7.32E-10
PEF	LEPROT	cg14976592	rs9436276	A	G	-0.445	0.067	0.070	3.29E-11	-0.004	0.005	0.370	0.012	43.972	TRUE	8.59E-11
PEF	LGALS8	cg01030476	rs10925181	G	A	0.249	0.033	0.143	6.74E-14	0.009	0.004	0.018	0.015	56.113	TRUE	6.56E-13
PEF	LGALS8	cg01030476	rs12135604	C	A	0.571	0.025	0.293	9.19E-112	0.005	0.003	0.105	0.120	504.390	TRUE	2.44E-104
PEF	LGALS8	cg01030476	rs2435261	T	C	0.252	0.040	0.093	3.60E-10	-0.001	0.004	0.777	0.011	39.295	TRUE	5.84E-10
PEF	LGALS8	cg01030476	rs61135021	C	G	0.203	0.027	0.257	2.42E-14	0.000	0.003	0.978	0.015	58.128	TRUE	4.05E-14
PEF	LGALS8	cg01030476	rs707217	G	A	0.142	0.025	0.327	1.23E-08	0.001	0.003	0.694	0.009	32.423	TRUE	1.99E-08
PEF	LGALS8	cg01030476	rs76913714	C	G	0.509	0.075	0.026	1.37E-11	0.010	0.008	0.210	0.012	45.680	TRUE	4.70E-11

PEF	LGALS8	cg01809927	rs10802552	T	C	0.439	0.042	0.076	2.21E-25	0.003	0.005	0.508	0.028	108.333	TRUE	1.41E-24
PEF	LGALS8	cg01809927	rs10925158	A	G	0.310	0.053	0.101	4.42E-09	0.002	0.004	0.703	0.009	34.411	TRUE	7.25E-09
PEF	LGALS8	cg01809927	rs114507560	A	G	0.451	0.066	0.064	6.07E-12	0.010	0.005	0.051	0.013	47.281	TRUE	3.49E-11
PEF	LGALS8	cg01809927	rs12088366	A	C	0.457	0.043	0.079	6.38E-26	0.008	0.005	0.098	0.029	110.790	TRUE	1.23E-24
PEF	LGALS8	cg01809927	rs145576998	A	C	-0.454	0.063	0.065	6.96E-13	-0.010	0.005	0.052	0.014	51.527	TRUE	4.42E-12
PEF	LGALS8	cg01809927	rs2758993	A	G	0.839	0.021	0.320	<1E-200	0.006	0.003	0.046	0.297	1559.259	TRUE	2.98E-295
PEF	LGALS8	cg01809927	rs4659707	G	A	0.352	0.024	0.387	1.74E-50	0.001	0.003	0.825	0.057	223.164	TRUE	7.69E-49
PEF	LGALS8	cg01809927	rs594911	C	G	0.391	0.045	0.073	1.87E-18	0.005	0.005	0.319	0.020	76.781	TRUE	9.33E-18
PEF	LGALS8	cg01809927	rs707213	A	G	0.581	0.072	0.030	7.60E-16	0.000	0.008	0.967	0.017	64.937	TRUE	1.38E-15
PEF	LGALS8	cg03082060	rs10925155	A	T	0.333	0.026	0.283	2.92E-37	0.003	0.003	0.267	0.042	162.604	TRUE	9.96E-36
PEF	LGALS8	cg03082060	rs113243866	A	G	-0.333	0.041	0.077	5.94E-16	-0.001	0.004	0.860	0.017	65.421	TRUE	1.21E-15
PEF	LGALS8	cg03989567	rs10925158	A	G	0.831	0.052	0.101	4.53E-57	0.002	0.004	0.703	0.064	253.340	TRUE	5.81E-55
PEF	LGALS8	cg03989567	rs653737	C	T	0.276	0.031	0.172	1.03E-18	0.005	0.003	0.110	0.021	77.968	TRUE	8.87E-18
PEF	LGALS8	cg05338187	rs10925181	G	A	0.261	0.033	0.143	4.21E-15	0.009	0.004	0.018	0.016	61.568	TRUE	4.73E-14
PEF	LGALS8	cg05338187	rs12127905	G	A	0.221	0.039	0.099	1.27E-08	-0.001	0.004	0.845	0.009	32.367	TRUE	1.80E-08
PEF	LGALS8	cg05338187	rs12135604	C	A	0.603	0.025	0.293	1.47E-125	0.005	0.003	0.105	0.133	567.769	TRUE	1.05E-116
PEF	LGALS8	cg05338187	rs12136869	A	G	0.355	0.064	0.070	2.62E-08	0.006	0.005	0.277	0.008	30.955	TRUE	6.19E-08
PEF	LGALS8	cg05338187	rs61135021	C	G	0.222	0.027	0.257	6.99E-17	0.000	0.003	0.978	0.018	69.637	TRUE	1.34E-16
PEF	LGALS8	cg05338187	rs707217	G	A	0.142	0.025	0.327	1.29E-08	0.001	0.003	0.694	0.009	32.335	TRUE	2.08E-08
PEF	LGALS8	cg05338187	rs76913714	C	G	0.547	0.075	0.026	3.76E-13	0.010	0.008	0.210	0.014	52.738	TRUE	1.47E-12
PEF	LGALS8	cg06118122	rs2758168	C	T	-0.182	0.026	0.284	2.53E-12	0.007	0.003	0.021	0.013	48.997	TRUE	1.98E-11
PEF	LGALS8	cg06118122	rs74363289	T	C	0.365	0.057	0.043	1.68E-10	-0.001	0.006	0.844	0.011	40.787	TRUE	2.61E-10
PEF	LGALS8	cg07913153	rs12404538	C	T	0.233	0.026	0.285	2.20E-19	0.003	0.003	0.317	0.021	81.009	TRUE	1.18E-18
PEF	LGALS8	cg08137948	rs10754578	A	G	0.363	0.051	0.048	7.33E-13	-0.001	0.006	0.861	0.014	51.427	TRUE	1.27E-12
PEF	LGALS8	cg08137948	rs2564741	G	A	0.389	0.024	0.373	8.29E-61	0.005	0.003	0.066	0.068	270.480	TRUE	1.95E-57
PEF	LGALS8	cg08137948	rs6688531	T	C	0.262	0.040	0.095	3.73E-11	0.000	0.004	0.923	0.012	43.728	TRUE	5.59E-11
PEF	LGALS8	cg08169200	rs2385494	C	T	0.178	0.030	0.190	3.56E-09	0.001	0.003	0.772	0.009	34.830	TRUE	5.49E-09
PEF	LGALS8	cg08169200	rs4612616	G	C	0.393	0.071	0.026	3.71E-08	0.013	0.008	0.109	0.008	30.277	TRUE	1.16E-07
PEF	LGALS8	cg08169200	rs766124	A	C	0.359	0.024	0.357	1.96E-50	0.005	0.003	0.048	0.057	222.926	TRUE	1.18E-47
PEF	LGALS8	cg09334514	rs10754578	A	G	0.335	0.051	0.048	3.68E-11	-0.001	0.006	0.861	0.012	43.755	TRUE	5.84E-11
PEF	LGALS8	cg09334514	rs2853624	T	G	0.369	0.026	0.297	2.20E-47	0.005	0.003	0.105	0.053	208.952	TRUE	5.12E-45
PEF	LGALS8	cg09334514	rs6684467	G	C	0.234	0.037	0.111	2.92E-10	0.009	0.004	0.037	0.011	39.703	TRUE	1.50E-09
PEF	LGALS8	cg13444964	rs140705131	A	G	0.566	0.083	0.014	1.03E-11	-0.004	0.010	0.686	0.012	46.249	TRUE	1.97E-11
PEF	LGALS8	cg14252149	rs10925158	A	G	0.351	0.053	0.101	4.48E-11	0.002	0.004	0.703	0.012	43.370	TRUE	8.20E-11
PEF	LGALS8	cg14252149	rs10925179	C	T	0.582	0.033	0.141	2.58E-70	0.007	0.004	0.042	0.078	314.085	TRUE	4.16E-66
PEF	LGALS8	cg14252149	rs10925200	T	G	0.242	0.035	0.141	5.41E-12	0.004	0.004	0.361	0.013	47.508	TRUE	1.52E-11
PEF	LGALS8	cg14252149	rs10925210	A	T	0.361	0.024	0.354	3.79E-51	0.003	0.003	0.341	0.058	226.194	TRUE	5.23E-49
PEF	LGALS8	cg14252149	rs113500777	T	A	0.838	0.071	0.031	2.01E-32	-0.001	0.008	0.894	0.037	140.484	TRUE	1.27E-31
PEF	LGALS8	cg14252149	rs115660621	T	C	-0.489	0.064	0.066	1.66E-14	-0.011	0.005	0.030	0.016	58.863	TRUE	1.51E-13
PEF	LGALS8	cg14252149	rs12069618	A	G	0.285	0.049	0.061	5.32E-09	0.006	0.005	0.219	0.009	34.049	TRUE	1.45E-08
PEF	LGALS8	cg14252149	rs1252108	A	G	-0.169	0.024	0.444	1.58E-12	-0.008	0.003	0.001	0.013	49.916	TRUE	2.43E-11
PEF	LGALS8	cg14252149	rs144672563	A	G	0.541	0.067	0.060	9.92E-16	0.011	0.006	0.050	0.017	64.411	TRUE	8.71E-15

PEF	LGALS8	cg14252149	rs1652228	C	T	0.782	0.034	0.129	4.56E-116	-0.003	0.004	0.487	0.124	524.167	TRUE	4.22E-109
PEF	LGALS8	cg14252149	rs2712828	T	C	0.219	0.033	0.158	3.97E-11	0.004	0.004	0.318	0.012	43.605	TRUE	1.11E-10
PEF	LGALS8	cg14252149	rs35311500	G	C	0.502	0.050	0.057	2.45E-23	-0.002	0.005	0.733	0.026	99.006	TRUE	9.42E-23
PEF	LGALS8	cg14252149	rs630101	G	A	0.905	0.025	0.213	5.68E-294	0.004	0.003	0.189	0.266	1342.066	TRUE	3.15E-259
PEF	LGALS8	cg14252149	rs72760210	T	C	0.657	0.084	0.022	5.68E-15	-0.007	0.009	0.447	0.016	60.975	TRUE	1.76E-14
PEF	LGALS8	cg14252149	rs73113054	T	C	0.960	0.143	0.011	1.95E-11	-0.010	0.014	0.487	0.012	44.991	TRUE	4.53E-11
PEF	LGALS8	cg14252149	rs76913714	C	G	0.945	0.075	0.026	1.27E-36	0.010	0.008	0.210	0.041	159.684	TRUE	4.81E-35
PEF	LGALS8	cg14252149	rs78605459	A	G	-0.283	0.032	0.147	4.78E-19	-0.007	0.003	0.031	0.021	79.474	TRUE	7.07E-18
PEF	LGALS8	cg14252149	rs79149380	T	G	0.431	0.070	0.051	8.83E-10	0.000	0.006	0.993	0.010	37.547	TRUE	1.19E-09
PEF	LGALS8	cg14252149	rs819434	T	G	1.120	0.020	0.248	<1E-200	0.004	0.003	0.156	0.459	3133.537	TRUE	<1E-200
PEF	LGALS8	cg18322510	rs116216640	T	C	0.445	0.070	0.030	2.62E-10	0.010	0.008	0.181	0.011	39.921	TRUE	8.55E-10
PEF	LGALS8	cg18322510	rs12135604	C	A	0.604	0.025	0.293	1.27E-125	0.005	0.003	0.105	0.133	568.070	TRUE	9.16E-117
PEF	LGALS8	cg18322510	rs12136869	A	G	0.351	0.064	0.070	3.72E-08	0.006	0.005	0.277	0.008	30.272	TRUE	8.69E-08
PEF	LGALS8	cg18322510	rs488306	T	C	0.253	0.040	0.096	1.86E-10	-0.002	0.004	0.708	0.011	40.587	TRUE	3.25E-10
PEF	LGALS8	cg18322510	rs61135021	C	G	0.219	0.027	0.257	2.18E-16	0.000	0.003	0.978	0.018	67.399	TRUE	4.06E-16
PEF	LGALS8	cg18322510	rs707217	G	A	0.136	0.025	0.327	4.97E-08	0.001	0.003	0.694	0.008	29.712	TRUE	7.78E-08
PEF	LGALS8	cg18322510	rs73124727	A	G	0.377	0.045	0.076	3.24E-17	0.008	0.005	0.117	0.019	71.152	TRUE	2.37E-16
PEF	LGALS8	cg22596738	rs2758991	T	A	0.182	0.027	0.254	1.18E-11	0.005	0.003	0.114	0.012	45.977	TRUE	5.08E-11
PEF	LIPA	cg09060654	rs111732611	C	T	-0.646	0.116	0.019	2.39E-08	0.020	0.008	0.020	0.008	31.129	TRUE	1.16E-07
PEF	LIPA	cg09060654	rs12780342	T	C	0.652	0.044	0.150	4.24E-50	-0.001	0.004	0.823	0.056	221.388	TRUE	1.79E-48
PEF	LIPA	cg09060654	rs1412445	T	C	0.181	0.024	0.338	1.64E-13	0.006	0.003	0.016	0.014	54.370	TRUE	1.53E-12
PEF	LIPA	cg09060654	rs150746801	T	G	0.693	0.112	0.018	5.36E-10	0.000	0.011	0.969	0.010	38.520	TRUE	7.36E-10
PEF	LIPA	cg09060654	rs2031610	C	T	-0.134	0.024	0.357	2.97E-08	-0.004	0.003	0.149	0.008	30.713	TRUE	8.62E-08
PEF	LIPA	cg09060654	rs2266006	A	G	0.155	0.027	0.237	1.01E-08	0.003	0.003	0.313	0.009	32.804	TRUE	2.39E-08
PEF	LIPA	cg09060654	rs2297473	G	T	-0.249	0.025	0.301	1.30E-22	0.002	0.003	0.427	0.025	95.704	TRUE	7.45E-22
PEF	LIPA	cg09060654	rs304450	G	A	0.169	0.030	0.187	1.55E-08	-0.005	0.003	0.152	0.009	31.971	TRUE	4.57E-08
PEF	LIPA	cg09060654	rs67837568	T	C	0.419	0.075	0.029	2.42E-08	-0.002	0.008	0.811	0.008	31.110	TRUE	3.49E-08
PEF	LIPA	cg09060654	rs9421696	T	A	0.152	0.027	0.249	2.21E-08	0.002	0.003	0.395	0.008	31.281	TRUE	4.51E-08
PEF	LIPA	cg09797463	rs1412444	T	C	-0.163	0.024	0.338	3.04E-11	0.007	0.003	0.014	0.012	44.128	TRUE	2.21E-10
PEF	LIPA	cg09797463	rs2096401	C	T	-0.201	0.025	0.318	7.36E-16	-0.002	0.003	0.582	0.017	64.999	TRUE	2.06E-15
PEF	LIPA	cg09797463	rs2801524	A	G	0.150	0.026	0.277	9.66E-09	0.001	0.003	0.830	0.009	32.890	TRUE	1.40E-08
PEF	LIPA	cg11772224	rs12262734	C	A	0.248	0.045	0.074	4.11E-08	-0.004	0.005	0.393	0.008	30.082	TRUE	8.37E-08
PEF	LIPA	cg11772224	rs2250781	C	A	-0.214	0.023	0.475	2.62E-20	-0.003	0.003	0.283	0.023	85.210	TRUE	1.65E-19
PEF	LIPA	cg12529006	rs12247969	C	A	-0.252	0.023	0.476	4.97E-27	-0.003	0.003	0.248	0.030	115.848	TRUE	6.28E-26
PEF	LIPA	cg12529006	rs12262734	C	A	0.730	0.045	0.074	2.22E-58	-0.004	0.005	0.393	0.066	259.350	TRUE	7.25E-56
PEF	LIPA	cg12529006	rs3802657	T	G	0.203	0.036	0.108	1.13E-08	0.002	0.004	0.700	0.009	32.586	TRUE	1.81E-08
PEF	LIPA	cg12555086	rs112517700	A	G	-0.534	0.066	0.036	5.42E-16	0.006	0.007	0.405	0.017	65.603	TRUE	1.94E-15
PEF	LIPA	cg12555086	rs1412445	T	C	-1.070	0.017	0.338	<1E-200	0.006	0.003	0.016	0.521	4025.671	TRUE	<1E-200
PEF	LIPA	cg12555086	rs144754510	A	G	0.260	0.029	0.201	4.18E-19	-0.005	0.003	0.109	0.021	79.740	TRUE	3.84E-18
PEF	LIPA	cg12555086	rs145661527	C	G	-0.673	0.089	0.022	4.48E-14	0.011	0.009	0.224	0.015	56.915	TRUE	1.85E-13
PEF	LIPA	cg12555086	rs188493056	A	C	-0.756	0.091	0.018	1.36E-16	0.007	0.011	0.484	0.018	68.320	TRUE	4.52E-16
PEF	LIPA	cg12555086	rs2266006	A	G	-0.150	0.027	0.237	3.11E-08	0.003	0.003	0.313	0.008	30.621	TRUE	7.07E-08

PEF	LIPA	cg12555086	rs303195	G	T	0.211	0.025	0.339	1.23E-17	-0.001	0.003	0.590	0.019	73.063	TRUE	3.76E-17
PEF	LIPA	cg12555086	rs3802657	T	G	-0.362	0.036	0.108	2.75E-24	0.002	0.004	0.700	0.027	103.336	TRUE	1.20E-23
PEF	LIPA	cg12555086	rs4933503	G	T	-0.335	0.031	0.164	2.06E-26	0.006	0.003	0.068	0.030	113.031	TRUE	5.11E-25
PEF	LIPA	cg12555086	rs4934469	A	G	-0.281	0.029	0.197	2.25E-22	0.000	0.003	0.975	0.025	94.616	TRUE	5.97E-22
PEF	LIPA	cg12555086	rs6586196	C	T	0.209	0.026	0.278	1.22E-15	-0.002	0.003	0.413	0.017	64.003	TRUE	4.19E-15
PEF	LIPA	cg12555086	rs7096524	A	G	0.288	0.027	0.257	7.48E-26	0.000	0.003	0.988	0.029	110.477	TRUE	2.42E-25
PEF	LIPA	cg12555086	rs7099595	G	T	-0.168	0.024	0.435	1.33E-12	0.005	0.003	0.048	0.013	50.255	TRUE	8.57E-12
PEF	LIPA	cg12555086	rs74946827	G	A	-0.544	0.049	0.055	1.13E-28	0.008	0.005	0.101	0.032	123.352	TRUE	2.90E-27
PEF	LIPA	cg12555086	rs7912312	G	A	0.155	0.026	0.269	3.61E-09	-0.004	0.003	0.185	0.009	34.804	TRUE	1.07E-08
PEF	LIPA	cg13931663	rs1556478	T	C	0.444	0.025	0.301	2.45E-70	0.002	0.003	0.460	0.078	314.191	TRUE	3.63E-67
PEF	LIPA	cg13931663	rs304498	A	G	0.170	0.029	0.208	4.88E-09	-0.003	0.003	0.287	0.009	34.219	TRUE	1.20E-08
PEF	LIPA	cg15406666	rs2071510	T	G	0.193	0.032	0.389	2.00E-09	-0.002	0.003	0.538	0.010	35.952	TRUE	3.85E-09
PEF	LIPA	cg15406666	rs2250398	A	G	-0.341	0.023	0.475	3.44E-51	-0.003	0.003	0.254	0.058	226.384	TRUE	6.83E-49
PEF	LIPA	cg15406666	rs35472070	A	G	0.214	0.036	0.130	2.02E-09	-0.007	0.004	0.059	0.010	35.932	TRUE	8.56E-09
PEF	LIPA	cg16398628	rs10430644	C	T	0.242	0.032	0.161	3.10E-14	0.002	0.003	0.506	0.015	57.639	TRUE	8.55E-14
PEF	LIPA	cg16398628	rs112517700	A	G	0.448	0.066	0.036	1.06E-11	0.006	0.007	0.405	0.012	46.194	TRUE	2.76E-11
PEF	LIPA	cg16398628	rs12359459	G	A	0.256	0.042	0.085	6.75E-10	0.000	0.004	0.969	0.010	38.072	TRUE	9.28E-10
PEF	LIPA	cg16398628	rs12415827	A	G	0.303	0.049	0.128	5.20E-10	0.000	0.004	0.960	0.010	38.580	TRUE	7.21E-10
PEF	LIPA	cg16398628	rs144754510	A	G	-0.253	0.029	0.201	3.55E-18	-0.005	0.003	0.109	0.020	75.514	TRUE	2.98E-17
PEF	LIPA	cg16398628	rs160052	T	C	0.183	0.026	0.280	1.57E-12	0.007	0.003	0.009	0.013	49.937	TRUE	1.54E-11
PEF	LIPA	cg16398628	rs1937336	T	A	0.183	0.025	0.343	1.67E-13	0.004	0.003	0.103	0.014	54.335	TRUE	8.72E-13
PEF	LIPA	cg16398628	rs2071510	T	G	0.337	0.033	0.389	9.54E-25	-0.002	0.003	0.538	0.028	105.432	TRUE	5.48E-24
PEF	LIPA	cg16398628	rs2246949	C	T	-1.006	0.017	0.475	<1E-200	-0.003	0.003	0.248	0.495	3622.303	TRUE	<1E-200
PEF	LIPA	cg16398628	rs303197	T	C	-0.155	0.025	0.339	3.48E-10	-0.001	0.003	0.634	0.011	39.363	TRUE	6.44E-10
PEF	LIPA	cg16398628	rs3802657	T	G	0.250	0.036	0.108	2.19E-12	0.002	0.004	0.700	0.013	49.275	TRUE	4.32E-12
PEF	LIPA	cg16398628	rs41284138	C	T	-0.392	0.067	0.034	4.65E-09	-0.004	0.007	0.585	0.009	34.313	TRUE	8.39E-09
PEF	LIPA	cg16398628	rs4934469	A	G	0.287	0.029	0.197	1.97E-23	0.000	0.003	0.975	0.026	99.443	TRUE	5.59E-23
PEF	LIPA	cg16398628	rs61853098	A	G	0.499	0.036	0.130	7.88E-44	-0.007	0.004	0.078	0.050	192.671	TRUE	1.43E-41
PEF	LIPA	cg16398628	rs7096524	A	G	-0.297	0.027	0.257	1.14E-27	0.000	0.003	0.988	0.031	118.766	TRUE	4.21E-27
PEF	LIPA	cg16398628	rs74946827	G	A	0.320	0.049	0.055	7.74E-11	0.008	0.005	0.101	0.011	42.300	TRUE	3.25E-10
PEF	LIPA	cg16398628	rs928415	A	G	0.514	0.037	0.111	2.37E-43	-0.004	0.004	0.359	0.049	190.481	TRUE	1.22E-41
PEF	LIPA	cg17741809	rs10887909	G	A	-0.177	0.030	0.174	5.63E-09	0.005	0.003	0.101	0.009	33.939	TRUE	1.95E-08
PEF	LIPA	cg17741809	rs12415827	A	G	0.821	0.047	0.128	6.27E-68	0.000	0.004	0.960	0.076	303.143	TRUE	2.00E-65
PEF	LIPA	cg17741809	rs138097828	A	G	0.481	0.074	0.023	7.75E-11	-0.004	0.008	0.592	0.011	42.297	TRUE	1.55E-10
PEF	LIPA	cg17741809	rs1412445	T	C	0.206	0.024	0.338	3.97E-17	0.006	0.003	0.016	0.019	70.753	TRUE	5.72E-16
PEF	LIPA	cg17741809	rs2297473	G	T	-0.258	0.025	0.301	3.66E-24	0.002	0.003	0.427	0.027	102.768	TRUE	2.39E-23
PEF	LIPA	cg17741809	rs304450	G	A	0.183	0.030	0.187	9.59E-10	-0.005	0.003	0.152	0.010	37.386	TRUE	3.16E-09
PEF	LIPA	cg17741809	rs67837568	T	C	0.498	0.075	0.029	3.30E-11	-0.002	0.008	0.811	0.012	43.965	TRUE	5.50E-11
PEF	LIPA	cg17741809	rs7901656	C	T	-0.143	0.025	0.333	7.11E-09	-0.004	0.003	0.166	0.009	33.486	TRUE	2.08E-08
PEF	LIPA	cg17741809	rs9421696	T	A	0.184	0.027	0.249	1.17E-11	0.002	0.003	0.395	0.012	45.992	TRUE	3.02E-11
PEF	LIPA	cg20483560	rs12262734	C	A	0.427	0.045	0.074	2.34E-21	-0.004	0.005	0.393	0.024	89.989	TRUE	1.30E-20
PEF	LIPA	cg20483560	rs12359459	G	A	0.242	0.041	0.085	3.68E-09	0.000	0.004	0.969	0.009	34.766	TRUE	4.91E-09

PEF	LIPA	cg20483560	rs144754510	A	G	-0.207	0.029	0.201	7.78E-13	-0.005	0.003	0.109	0.014	51.308	TRUE	3.88E-12
PEF	LIPA	cg20483560	rs1937336	T	A	0.142	0.025	0.343	7.43E-09	0.004	0.003	0.103	0.009	33.401	TRUE	2.47E-08
PEF	LIPA	cg20483560	rs2071510	T	G	0.278	0.032	0.389	2.76E-18	-0.002	0.003	0.538	0.020	76.010	TRUE	9.65E-18
PEF	LIPA	cg20483560	rs2250398	A	G	-0.671	0.020	0.475	1.78E-237	-0.003	0.003	0.254	0.226	1082.247	TRUE	1.81E-213
PEF	LIPA	cg20483560	rs2902563	C	T	0.269	0.037	0.108	4.23E-13	-0.005	0.004	0.252	0.014	52.504	TRUE	1.54E-12
PEF	LIPA	cg20483560	rs4934469	A	G	0.190	0.028	0.197	2.78E-11	0.000	0.003	0.975	0.012	44.301	TRUE	4.02E-11
PEF	LIPA	cg20483560	rs7096524	A	G	-0.175	0.027	0.257	9.92E-11	0.000	0.003	0.988	0.011	41.814	TRUE	1.37E-10
PEF	LIPA	cg20592345	rs1332329	C	A	0.375	0.024	0.345	1.12E-54	0.006	0.003	0.025	0.061	242.364	TRUE	2.15E-51
PEF	LIPA	cg20592345	rs7901936	T	C	0.510	0.073	0.031	2.25E-12	-0.001	0.008	0.942	0.013	49.226	TRUE	3.54E-12
PEF	LIPT1	cg06240854	rs13009147	T	G	-0.174	0.025	0.347	1.60E-12	0.006	0.003	0.023	0.013	49.891	TRUE	1.27E-11
PEF	LIPT1	cg14399236	rs10166721	T	C	-0.529	0.051	0.046	2.02E-25	-0.006	0.006	0.318	0.028	108.507	TRUE	1.84E-24
PEF	LIPT1	cg14399236	rs10179116	A	G	0.259	0.025	0.330	2.30E-25	-0.002	0.003	0.559	0.028	108.247	TRUE	1.36E-24
PEF	LIPT1	cg14399236	rs11899659	G	A	-0.243	0.024	0.404	3.07E-24	0.006	0.003	0.013	0.027	103.118	TRUE	1.13E-22
PEF	LIPT1	cg14399236	rs144635879	A	G	-0.818	0.122	0.011	2.12E-11	0.002	0.012	0.856	0.012	44.829	TRUE	3.44E-11
PEF	LIPT1	cg14399236	rs1607255	A	C	0.331	0.041	0.183	5.27E-16	-0.001	0.003	0.695	0.017	65.656	TRUE	1.30E-15
PEF	LIPT1	cg14399236	rs184478869	A	G	-0.693	0.055	0.043	1.93E-36	0.010	0.007	0.127	0.041	158.854	TRUE	1.02E-34
PEF	LIPT1	cg14399236	rs35602593	C	T	-0.238	0.026	0.310	2.93E-20	0.002	0.003	0.532	0.022	84.990	TRUE	1.20E-19
PEF	LIPT1	cg14399236	rs4419269	A	G	0.421	0.028	0.211	1.60E-50	0.000	0.003	0.973	0.057	223.333	TRUE	5.24E-49
PEF	LIPT1	cg14399236	rs62157993	A	G	0.318	0.048	0.063	4.63E-11	0.004	0.005	0.415	0.012	43.304	TRUE	1.14E-10
PEF	LIPT1	cg14399236	rs6542771	T	C	0.226	0.029	0.195	3.92E-15	-0.003	0.003	0.352	0.016	61.704	TRUE	1.42E-14
PEF	LIPT1	cg14399236	rs6743554	C	T	-0.208	0.024	0.367	1.50E-17	0.003	0.003	0.192	0.019	72.677	TRUE	9.06E-17
PEF	LIPT1	cg14399236	rs720229	T	C	-0.882	0.020	0.373	<1E-200	0.005	0.003	0.042	0.333	1849.064	TRUE	<1E-200
PEF	LIPT1	cg14399236	rs72817073	C	T	0.201	0.034	0.138	3.01E-09	-0.001	0.004	0.724	0.009	35.159	TRUE	4.87E-09
PEF	LIPT1	cg14399236	rs78573944	C	G	0.352	0.034	0.134	1.10E-24	0.002	0.004	0.511	0.028	105.152	TRUE	6.63E-24
PEF	LIPT1	cg14399236	rs79141836	G	T	-0.661	0.056	0.047	3.04E-32	0.009	0.005	0.092	0.036	139.663	TRUE	1.21E-30
PEF	LIPT1	cg14399236	rs9678513	G	A	-0.591	0.068	0.032	4.38E-18	0.007	0.007	0.331	0.020	75.100	TRUE	2.07E-17
PEF	LIPT1	cg22616506	rs6753650	A	G	-0.132	0.024	0.363	4.42E-08	0.006	0.003	0.028	0.008	29.938	TRUE	1.90E-07
PEF	LIPT1	cg26064155	rs10166721	T	C	-0.592	0.051	0.046	1.35E-31	-0.006	0.006	0.318	0.036	136.705	TRUE	2.22E-30
PEF	LIPT1	cg26064155	rs10179116	A	G	0.309	0.025	0.330	1.16E-35	-0.002	0.003	0.559	0.040	155.290	TRUE	1.73E-34
PEF	LIPT1	cg26064155	rs114841490	G	A	-0.299	0.052	0.056	6.90E-09	0.007	0.005	0.220	0.009	33.545	TRUE	1.85E-08
PEF	LIPT1	cg26064155	rs12995308	C	G	0.355	0.042	0.082	2.05E-17	0.000	0.004	0.967	0.019	72.053	TRUE	4.09E-17
PEF	LIPT1	cg26064155	rs144635879	A	G	-0.794	0.122	0.011	8.12E-11	0.002	0.012	0.856	0.011	42.206	TRUE	1.28E-10
PEF	LIPT1	cg26064155	rs1451247	A	T	-0.292	0.037	0.114	1.90E-15	0.006	0.004	0.106	0.017	63.134	TRUE	1.22E-14
PEF	LIPT1	cg26064155	rs35254630	A	C	0.360	0.057	0.073	3.32E-10	0.000	0.004	0.942	0.011	39.455	TRUE	4.69E-10
PEF	LIPT1	cg26064155	rs35602593	C	T	-0.293	0.026	0.310	4.54E-30	0.002	0.003	0.532	0.034	129.728	TRUE	4.18E-29
PEF	LIPT1	cg26064155	rs3769714	C	G	0.170	0.028	0.226	1.38E-09	0.000	0.003	0.911	0.010	36.672	TRUE	1.94E-09
PEF	LIPT1	cg26064155	rs4281955	G	A	-0.650	0.116	0.023	2.06E-08	0.005	0.008	0.540	0.008	31.417	TRUE	3.72E-08
PEF	LIPT1	cg26064155	rs4419269	A	G	0.440	0.028	0.211	2.40E-55	0.000	0.003	0.973	0.062	245.436	TRUE	1.39E-53
PEF	LIPT1	cg26064155	rs62158007	A	G	0.309	0.048	0.064	1.26E-10	0.004	0.005	0.431	0.011	41.348	TRUE	2.95E-10
PEF	LIPT1	cg26064155	rs6542805	A	G	0.209	0.029	0.196	3.65E-13	-0.003	0.003	0.302	0.014	52.796	TRUE	1.22E-12
PEF	LIPT1	cg26064155	rs6719505	A	G	0.196	0.034	0.151	7.02E-09	-0.004	0.004	0.291	0.009	33.512	TRUE	1.70E-08
PEF	LIPT1	cg26064155	rs6743554	C	T	-0.208	0.024	0.367	1.41E-17	0.003	0.003	0.192	0.019	72.791	TRUE	8.57E-17

PEF	LIPT1	cg26064155	rs6756691	A	T	-0.269	0.024	0.398	2.29E-29	0.006	0.003	0.032	0.033	126.518	TRUE	1.08E-27
PEF	LIPT1	cg26064155	rs720229	T	C	-0.902	0.019	0.373	<1E-200	0.005	0.003	0.042	0.371	2185.876	TRUE	<1E-200
PEF	LIPT1	cg26064155	rs72817034	C	T	-0.155	0.024	0.415	5.29E-11	-0.004	0.003	0.121	0.012	43.042	TRUE	2.10E-10
PEF	LIPT1	cg26064155	rs75105166	T	G	0.404	0.067	0.036	1.71E-09	0.002	0.008	0.829	0.010	36.254	TRUE	2.57E-09
PEF	LIPT1	cg26064155	rs75560285	G	C	-0.632	0.054	0.045	8.07E-32	0.011	0.006	0.067	0.036	137.724	TRUE	3.61E-30
PEF	LIPT1	cg26064155	rs78573944	C	G	0.419	0.034	0.134	2.14E-34	0.002	0.004	0.511	0.039	149.504	TRUE	3.09E-33
PEF	LIPT1	cg26064155	rs9678513	G	A	-0.552	0.068	0.032	6.03E-16	0.007	0.007	0.331	0.017	65.393	TRUE	2.40E-15
PEF	LOC729603	cg16582986	rs3798180	G	A	0.194	0.026	0.382	1.45E-13	-0.004	0.003	0.130	0.015	54.611	TRUE	7.11E-13
PEF	LYN	cg02410887	rs12155650	T	C	0.274	0.038	0.127	8.66E-13	-0.005	0.004	0.196	0.014	51.099	TRUE	3.35E-12
PEF	LYN	cg02410887	rs7828483	C	G	0.352	0.030	0.231	1.27E-31	-0.001	0.003	0.832	0.036	136.827	TRUE	8.06E-31
PEF	LYN	cg02508743	rs118002299	T	C	-0.629	0.094	0.018	2.45E-11	0.006	0.009	0.512	0.012	44.550	TRUE	5.47E-11
PEF	LYN	cg02508743	rs16922425	C	T	-0.172	0.026	0.491	1.78E-11	-0.004	0.003	0.137	0.012	45.177	TRUE	7.28E-11
PEF	LYN	cg02508743	rs28595219	T	C	-0.193	0.029	0.252	1.77E-11	-0.005	0.003	0.086	0.012	45.183	TRUE	8.15E-11
PEF	LYN	cg02508743	rs9650314	A	G	-0.611	0.032	0.183	1.54E-83	-0.001	0.003	0.734	0.092	374.776	TRUE	9.96E-80
PEF	LYN	cg03973663	rs2667976	A	C	0.301	0.030	0.229	1.86E-23	-0.001	0.003	0.831	0.026	99.548	TRUE	6.30E-23
PEF	LYN	cg03973663	rs556194714	C	T	0.375	0.066	0.038	1.70E-08	0.001	0.007	0.910	0.009	31.793	TRUE	2.31E-08
PEF	LYN	cg04132540	rs77035567	T	C	-0.443	0.061	0.045	6.08E-13	-0.007	0.006	0.280	0.014	51.791	TRUE	2.07E-12
PEF	LYN	cg05997362	rs2667971	C	T	0.251	0.030	0.231	9.66E-17	-0.001	0.003	0.850	0.018	69.001	TRUE	2.12E-16
PEF	LYN	cg06818377	rs13249338	A	G	-0.147	0.026	0.406	1.39E-08	0.004	0.003	0.128	0.009	32.181	TRUE	4.27E-08
PEF	LYN	cg06818377	rs1470708	G	A	-0.159	0.026	0.387	9.71E-10	0.002	0.003	0.387	0.010	37.361	TRUE	2.26E-09
PEF	LYN	cg06818377	rs72651454	G	A	0.509	0.033	0.166	3.90E-53	-0.002	0.003	0.490	0.060	235.306	TRUE	4.88E-51
PEF	LYN	cg06818377	rs72653977	G	A	0.423	0.065	0.039	1.03E-10	0.002	0.007	0.761	0.011	41.744	TRUE	1.75E-10
PEF	LYN	cg06880721	rs13262073	C	G	0.270	0.027	0.330	2.29E-23	0.001	0.003	0.753	0.026	99.144	TRUE	8.80E-23
PEF	LYN	cg06880721	rs139862376	G	C	0.330	0.056	0.055	4.03E-09	0.005	0.006	0.344	0.009	34.591	TRUE	9.30E-09
PEF	LYN	cg06880721	rs6994646	C	T	-0.265	0.045	0.086	3.65E-09	-0.009	0.004	0.044	0.009	34.782	TRUE	1.62E-08
PEF	LYN	cg06880721	rs72651467	G	T	0.201	0.035	0.158	7.82E-09	-0.001	0.003	0.837	0.009	33.301	TRUE	1.13E-08
PEF	LYN	cg08894788	rs12679916	T	C	-0.212	0.025	0.412	9.32E-17	-0.006	0.003	0.024	0.018	69.072	TRUE	1.14E-15
PEF	LYN	cg08894788	rs2271400	C	T	0.395	0.027	0.336	8.72E-50	0.005	0.003	0.047	0.056	219.953	TRUE	5.05E-47
PEF	LYN	cg11982546	rs7829003	G	C	0.248	0.033	0.176	6.65E-14	0.002	0.003	0.593	0.015	56.138	TRUE	1.60E-13
PEF	LYN	cg17806401	rs113732653	C	A	0.398	0.064	0.042	3.52E-10	0.001	0.007	0.920	0.011	39.341	TRUE	5.09E-10
PEF	LYN	cg17806401	rs17812677	A	T	0.264	0.030	0.225	2.88E-18	-0.001	0.003	0.790	0.020	75.928	TRUE	7.34E-18
PEF	LYN	cg21301224	rs17812677	A	T	0.188	0.030	0.225	6.75E-10	-0.001	0.003	0.790	0.010	38.070	TRUE	1.07E-09
PEF	LYN	cg24856456	rs9693980	A	G	-0.169	0.030	0.250	1.23E-08	-0.001	0.003	0.632	0.009	32.420	TRUE	2.08E-08
PEF	LYN	cg27004182	rs1546519	G	A	0.162	0.028	0.277	8.12E-09	0.002	0.003	0.395	0.009	33.229	TRUE	1.74E-08
PEF	MADD	cg07637188	rs118134583	C	T	-1.262	0.074	0.027	2.21E-64	0.002	0.008	0.810	0.072	286.875	TRUE	5.92E-62
PEF	MADD	cg07637188	rs4315028	C	A	-0.203	0.028	0.247	5.53E-13	0.002	0.003	0.418	0.014	51.977	TRUE	1.54E-12
PEF	MADD	cg17580616	rs113383278	C	G	-0.352	0.062	0.044	1.31E-08	0.013	0.006	0.046	0.009	32.295	TRUE	5.39E-08
PEF	MADD	cg17580616	rs113954134	A	G	-0.369	0.066	0.033	1.86E-08	0.008	0.007	0.243	0.008	31.617	TRUE	4.65E-08
PEF	MADD	cg17580616	rs2856650	A	G	0.229	0.025	0.303	1.82E-19	-0.002	0.003	0.426	0.022	81.377	TRUE	8.12E-19
PEF	MADD	cg17580616	rs326218	T	A	-0.345	0.044	0.075	8.00E-15	0.002	0.005	0.658	0.016	60.304	TRUE	1.90E-14
PEF	MADD	cg17580616	rs74757308	C	A	-0.452	0.080	0.025	1.96E-08	0.003	0.008	0.672	0.008	31.517	TRUE	3.16E-08
PEF	MADD	cg17580616	rs753993	A	C	-0.498	0.028	0.215	2.91E-69	0.003	0.003	0.308	0.077	309.258	TRUE	6.07E-66

PEF	MADD	cg17580616	rs7934659	T	C	-0.158	0.026	0.285	2.55E-09	-0.007	0.003	0.020	0.010	35.478	TRUE	1.41E-08
PEF	MADD	cg19501536	rs10838687	G	T	-0.477	0.028	0.215	3.00E-66	0.003	0.003	0.275	0.074	295.434	TRUE	4.63E-63
PEF	MADD	cg19501536	rs113383278	C	G	-0.400	0.061	0.044	6.54E-11	0.013	0.006	0.046	0.011	42.630	TRUE	3.49E-10
PEF	MADD	cg19501536	rs113954134	A	G	-0.477	0.064	0.033	1.30E-13	0.008	0.007	0.243	0.015	54.829	TRUE	4.97E-13
PEF	MADD	cg19501536	rs2856650	A	G	0.147	0.025	0.303	4.37E-09	-0.002	0.003	0.426	0.009	34.432	TRUE	9.14E-09
PEF	MADD	cg19501536	rs544766788	T	G	0.170	0.026	0.275	3.94E-11	-0.005	0.003	0.093	0.012	43.619	TRUE	1.74E-10
PEF	MADD	cg23844623	rs4752978	A	G	0.423	0.030	0.185	1.62E-44	0.007	0.003	0.038	0.050	195.822	TRUE	5.11E-42
PEF	MADD	cg23844623	rs77082299	A	G	0.423	0.072	0.031	3.86E-09	0.007	0.008	0.380	0.009	34.677	TRUE	8.53E-09
PEF	MADD	cg25783544	rs7120957	G	A	0.303	0.024	0.325	2.60E-35	0.004	0.003	0.126	0.040	153.689	TRUE	1.20E-33
PEF	MADD	cg26365553	rs77532017	T	C	0.331	0.032	0.165	8.70E-25	-0.006	0.023	0.809	0.028	105.615	TRUE	3.53E-24
PEF	MAMSTR	cg10404009	rs629504	C	G	0.233	0.024	0.389	2.79E-22	0.011	0.003	2.53E-05	0.025	94.191	TRUE	4.30E-20
PEF	MAMSTR	cg18886062	rs2287921	T	C	0.171	0.023	0.460	2.71E-13	0.012	0.003	4.19E-06	0.014	53.377	TRUE	1.28E-11
PEF	MAP2K5	cg01362115	rs12593640	C	G	0.551	0.039	0.091	1.58E-44	0.004	0.004	0.356	0.050	195.863	TRUE	9.72E-43
PEF	MAP2K5	cg01362115	rs140450540	A	G	0.580	0.092	0.016	2.50E-10	0.005	0.010	0.595	0.011	40.008	TRUE	4.83E-10
PEF	MAP2K5	cg08079166	rs4489954	T	G	0.186	0.025	0.296	2.79E-13	0.002	0.003	0.585	0.014	53.324	TRUE	6.57E-13
PEF	MAP2K5	cg17973661	rs142124398	A	T	-0.733	0.090	0.018	2.66E-16	0.005	0.010	0.610	0.018	67.007	TRUE	7.37E-16
PEF	MAP2K5	cg17973661	rs4514627	C	A	0.317	0.040	0.090	2.21E-15	0.004	0.004	0.348	0.017	62.839	TRUE	8.10E-15
PEF	MAP2K5	cg17973661	rs8030456	T	C	-0.168	0.029	0.225	5.09E-09	0.000	0.003	0.903	0.009	34.136	TRUE	7.12E-09
PEF	MAP2K5	cg19393677	rs2583585	G	A	-0.493	0.041	0.084	8.96E-34	0.001	0.004	0.840	0.038	146.658	TRUE	6.89E-33
PEF	MAP2K5	cg19393677	rs745212	A	G	-0.202	0.025	0.332	3.03E-16	0.000	0.003	0.891	0.018	66.745	TRUE	6.18E-16
PEF	MAP2K5	cg20055861	rs6494694	A	C	0.245	0.025	0.314	2.22E-22	0.002	0.003	0.520	0.025	94.643	TRUE	1.07E-21
PEF	MAP2K5	cg20055861	rs73427943	T	C	-0.232	0.035	0.128	4.81E-11	-0.007	0.004	0.049	0.012	43.228	TRUE	2.56E-10
PEF	MAP2K5	cg24247231	rs138176505	G	A	0.654	0.077	0.021	1.96E-17	0.004	0.008	0.665	0.019	72.146	TRUE	5.48E-17
PEF	MAP2K5	cg24247231	rs16951489	A	C	0.527	0.079	0.025	2.34E-11	0.006	0.009	0.450	0.012	44.643	TRUE	5.59E-11
PEF	MAP2K5	cg24247231	rs17300363	C	A	-0.239	0.040	0.087	2.27E-09	0.008	0.004	0.077	0.010	35.704	TRUE	8.88E-09
PEF	MAP2K5	cg24247231	rs184812791	T	A	1.293	0.162	0.011	1.70E-15	0.002	0.012	0.859	0.017	63.350	TRUE	3.39E-15
PEF	MAP2K5	cg24247231	rs3743353	C	T	1.338	0.035	0.083	<1E-200	0.001	0.004	0.803	0.284	1469.442	TRUE	6.87E-283
PEF	MAP2K5	cg24247231	rs4777011	C	G	-0.144	0.024	0.391	3.86E-09	-0.001	0.003	0.622	0.009	34.674	TRUE	6.80E-09
PEF	MAP2K5	cg24247231	rs62016776	G	A	0.398	0.029	0.202	4.38E-44	-0.002	0.003	0.610	0.050	193.840	TRUE	1.42E-42
PEF	MAP2K5	cg25642180	rs201788262	A	G	-0.365	0.063	0.036	5.75E-09	-0.015	0.007	0.024	0.009	33.898	TRUE	2.84E-08
PEF	MAP2K5	cg27219399	rs11504677	A	G	0.514	0.072	0.028	8.62E-13	0.012	0.007	0.098	0.014	51.107	TRUE	4.39E-12
PEF	MAP2K5	cg27219399	rs12898654	G	C	-0.226	0.028	0.201	1.11E-15	0.005	0.003	0.105	0.017	64.193	TRUE	7.28E-15
PEF	MAP2K5	cg27219399	rs12902812	A	G	0.691	0.026	0.260	1.93E-154	0.001	0.003	0.761	0.159	700.491	TRUE	1.08E-143
PEF	MAP2K5	cg27219399	rs138206068	T	G	0.466	0.074	0.029	3.79E-10	0.007	0.008	0.339	0.010	39.198	TRUE	9.45E-10
PEF	MAP2K5	cg27219399	rs1470002	A	G	0.192	0.024	0.394	2.71E-15	0.008	0.003	0.003	0.017	62.432	TRUE	4.86E-14
PEF	MAP2K5	cg27219399	rs17228212	C	T	-0.146	0.026	0.300	1.42E-08	-0.001	0.003	0.747	0.009	32.143	TRUE	2.19E-08
PEF	MAP2K5	cg27219399	rs338348	A	C	0.189	0.024	0.417	3.89E-15	-0.002	0.003	0.512	0.016	61.722	TRUE	1.12E-14
PEF	MAP2K5	cg27219399	rs4776367	G	A	-0.308	0.029	0.204	4.23E-27	0.002	0.003	0.458	0.030	116.170	TRUE	3.39E-26
PEF	MAP2K5	cg27219399	rs74923405	T	C	0.446	0.057	0.042	5.40E-15	-0.004	0.006	0.476	0.016	61.078	TRUE	1.61E-14
PEF	MAP2K5	cg27219399	rs7498094	C	T	0.132	0.023	0.458	2.06E-08	-0.001	0.003	0.612	0.008	31.423	TRUE	3.51E-08
PEF	MAP2K5	cg27219399	rs75379618	T	C	0.551	0.087	0.036	2.96E-10	-0.012	0.007	0.062	0.011	39.679	TRUE	1.36E-09
PEF	MAP2K5	cg27219399	rs8037951	A	C	-0.170	0.027	0.251	2.30E-10	-0.003	0.003	0.358	0.011	40.175	TRUE	5.64E-10

PEF	MAP3K5	cg01792203	rs9389406	T	C	0.241	0.038	0.134	3.46E-10	-0.011	0.004	0.003	0.011	39.376	TRUE	3.15E-09
PEF	MAP3K5	cg02673417	rs932589	T	C	0.159	0.026	0.422	5.65E-10	-0.002	0.003	0.453	0.010	38.418	TRUE	1.21E-09
PEF	MAP3K5	cg04355227	rs6933827	G	A	1.141	0.097	0.035	8.33E-32	-0.005	0.007	0.523	0.036	137.659	TRUE	9.16E-31
PEF	MAP3K5	cg07868909	rs141318377	T	C	-0.432	0.073	0.033	3.24E-09	0.007	0.007	0.341	0.009	35.012	TRUE	7.54E-09
PEF	MAP3K5	cg07868909	rs17654215	C	T	-0.505	0.069	0.079	2.89E-13	0.001	0.005	0.849	0.014	53.255	TRUE	5.17E-13
PEF	MAP3K5	cg07868909	rs17710825	G	A	0.330	0.039	0.122	1.08E-17	-0.002	0.004	0.560	0.019	73.317	TRUE	3.55E-17
PEF	MAP3K5	cg07868909	rs2327766	G	A	0.462	0.054	0.133	7.95E-18	0.001	0.004	0.764	0.020	73.927	TRUE	2.02E-17
PEF	MAP3K5	cg07868909	rs3765259	T	C	-0.299	0.038	0.478	1.73E-15	-0.002	0.003	0.556	0.017	63.320	TRUE	4.88E-15
PEF	MAP3K5	cg07868909	rs3903660	C	T	-0.713	0.022	0.399	8.28E-225	-0.001	0.003	0.723	0.217	1023.997	TRUE	4.93E-204
PEF	MAP3K5	cg07868909	rs56167634	G	A	0.421	0.073	0.070	7.90E-09	0.005	0.005	0.347	0.009	33.281	TRUE	1.78E-08
PEF	MAP3K5	cg07868909	rs72979569	T	A	-0.588	0.079	0.059	7.10E-14	0.003	0.005	0.582	0.015	56.010	TRUE	1.74E-13
PEF	MAP3K5	cg07868909	rs9389421	C	A	-0.218	0.037	0.450	3.48E-09	-0.001	0.003	0.639	0.009	34.876	TRUE	6.07E-09
PEF	MAP3K5	cg09732335	rs17710825	G	A	-0.250	0.039	0.122	1.06E-10	-0.002	0.004	0.560	0.011	41.691	TRUE	2.17E-10
PEF	MAP3K5	cg09732335	rs2237271	C	A	0.751	0.034	0.169	1.67E-108	0.003	0.003	0.443	0.117	489.420	TRUE	3.29E-102
PEF	MAP3K5	cg09732335	rs6912539	A	G	0.268	0.026	0.401	3.75E-25	-0.001	0.003	0.740	0.028	107.280	TRUE	1.67E-24
PEF	MAP3K5	cg10599345	rs141914751	G	A	-0.543	0.073	0.033	1.05E-13	0.006	0.007	0.437	0.015	55.245	TRUE	2.99E-13
PEF	MAP3K5	cg10599345	rs17654215	C	T	-0.587	0.069	0.079	1.81E-17	0.001	0.005	0.849	0.019	72.300	TRUE	4.11E-17
PEF	MAP3K5	cg10599345	rs17710825	G	A	0.352	0.039	0.122	6.91E-20	-0.002	0.004	0.560	0.022	83.295	TRUE	2.66E-19
PEF	MAP3K5	cg10599345	rs3734552	A	G	-0.822	0.022	0.401	<1E-200	-0.001	0.003	0.743	0.279	1431.658	TRUE	3.05E-276
PEF	MAP3K5	cg10599345	rs3765259	T	C	-0.257	0.038	0.478	8.67E-12	-0.002	0.003	0.556	0.012	46.584	TRUE	1.92E-11
PEF	MAP3K5	cg10599345	rs56231994	G	C	0.331	0.046	0.074	9.50E-13	-0.001	0.005	0.771	0.014	50.917	TRUE	1.78E-12
PEF	MAP3K5	cg10599345	rs62420741	T	C	0.284	0.025	0.494	1.18E-29	-0.001	0.003	0.857	0.033	127.826	TRUE	6.39E-29
PEF	MAP3K5	cg10599345	rs72979569	T	A	-0.562	0.079	0.059	8.62E-13	0.003	0.005	0.582	0.014	51.108	TRUE	1.97E-12
PEF	MAP3K5	cg15804973	rs13220892	G	C	0.273	0.039	0.118	4.07E-12	-0.004	0.004	0.308	0.013	48.062	TRUE	1.25E-11
PEF	MAP3K5	cg15804973	rs62420741	T	C	0.150	0.025	0.494	3.29E-09	-0.001	0.003	0.857	0.009	34.985	TRUE	4.83E-09
PEF	MAP3K5	cg15804973	rs9402845	A	G	-0.476	0.025	0.398	5.25E-79	-0.001	0.003	0.851	0.087	353.973	TRUE	1.18E-75
PEF	MAP3K5	cg16581840	rs9321570	G	C	-0.143	0.026	0.401	3.68E-08	-0.001	0.003	0.702	0.008	30.292	TRUE	5.74E-08
PEF	MAP3K5	cg21506299	rs1022690	T	C	0.298	0.025	0.430	7.76E-32	-0.002	0.003	0.548	0.036	137.800	TRUE	7.90E-31
PEF	MAP3K5	cg21506299	rs7765827	T	C	0.142	0.026	0.429	3.97E-08	-0.001	0.003	0.594	0.008	30.145	TRUE	6.75E-08
PEF	MAP3K5	cg24451117	rs4524621	G	C	0.280	0.026	0.399	3.52E-27	-0.001	0.003	0.717	0.031	116.532	TRUE	1.84E-26
PEF	MAP3K5	cg24999105	rs932589	T	C	0.445	0.025	0.422	7.38E-71	-0.002	0.003	0.453	0.079	316.584	TRUE	1.22E-67
PEF	MAP3K5	cg24999105	rs9385778	T	C	0.194	0.026	0.429	7.18E-14	-0.002	0.003	0.554	0.015	55.987	TRUE	1.79E-13
PEF	MAPK7	cg13832201	rs7501702	G	A	-0.209	0.029	0.214	5.05E-13	0.008	0.003	0.006	0.014	52.156	TRUE	5.70E-12
PEF	MAPK9	cg00262681	rs11249685	A	G	-0.230	0.038	0.116	9.27E-10	0.000	0.004	0.973	0.010	37.453	TRUE	1.25E-09
PEF	MAPK9	cg00262681	rs114321626	G	A	-0.670	0.101	0.026	3.52E-11	-0.001	0.008	0.917	0.012	43.842	TRUE	5.33E-11
PEF	MAPK9	cg00262681	rs11739624	T	C	0.847	0.020	0.401	<1E-200	0.001	0.003	0.632	0.325	1784.708	TRUE	<1E-200
PEF	MAPK9	cg00262681	rs11741142	C	T	-0.196	0.028	0.222	2.57E-12	-0.004	0.003	0.242	0.013	48.966	TRUE	8.78E-12
PEF	MAPK9	cg00262681	rs11745042	T	C	-0.361	0.060	0.038	1.39E-09	-0.008	0.006	0.223	0.010	36.664	TRUE	3.94E-09
PEF	MAPK9	cg00262681	rs11749727	C	T	0.157	0.024	0.388	7.04E-11	0.006	0.003	0.025	0.011	42.484	TRUE	4.47E-10
PEF	MAPK9	cg00262681	rs12522221	G	A	0.412	0.041	0.089	2.88E-24	-0.002	0.004	0.647	0.027	103.247	TRUE	1.36E-23
PEF	MAPK9	cg00262681	rs141292449	A	C	0.768	0.093	0.015	1.56E-16	0.027	0.011	0.012	0.018	68.056	TRUE	2.34E-15
PEF	MAPK9	cg00262681	rs147810650	T	C	0.826	0.090	0.037	3.12E-20	0.005	0.007	0.461	0.022	84.864	TRUE	1.41E-19

PEF	MAPK9	cg00262681	rs2028725	G	A	-0.275	0.032	0.159	3.63E-18	-0.003	0.004	0.445	0.020	75.471	TRUE	1.44E-17
PEF	MAPK9	cg00262681	rs2890346	C	G	-0.137	0.025	0.344	2.96E-08	0.001	0.003	0.757	0.008	30.720	TRUE	4.42E-08
PEF	MAPK9	cg00262681	rs34351120	C	T	0.516	0.033	0.153	1.05E-56	0.006	0.004	0.109	0.064	251.669	TRUE	8.91E-54
PEF	MAPK9	cg00262681	rs55880280	T	C	0.208	0.036	0.280	9.08E-09	-0.003	0.003	0.329	0.009	33.010	TRUE	2.07E-08
PEF	MAPK9	cg00262681	rs6896347	A	G	0.382	0.043	0.079	1.01E-18	0.007	0.005	0.157	0.021	77.996	TRUE	7.36E-18
PEF	MAPK9	cg00262681	rs76583740	T	C	-0.682	0.068	0.036	7.71E-24	0.001	0.007	0.843	0.027	101.296	TRUE	2.68E-23
PEF	MAPK9	cg00262681	rs7702282	A	G	-0.925	0.022	0.295	<1E-200	0.004	0.003	0.168	0.327	1797.993	TRUE	<1E-200
PEF	MAPK9	cg00262681	rs882702	T	C	0.146	0.024	0.427	1.38E-09	-0.013	0.003	5.82E-07	0.010	36.681	TRUE	3.74E-08
PEF	MAPK9	cg01192746	rs35703820	T	C	0.476	0.032	0.157	1.47E-49	-0.005	0.004	0.147	0.056	218.915	TRUE	3.60E-47
PEF	MAPK9	cg01192746	rs7719192	G	A	-0.407	0.030	0.183	7.53E-42	-0.003	0.003	0.363	0.047	183.604	TRUE	3.29E-40
PEF	MAPK9	cg03605361	rs17628029	C	T	0.196	0.028	0.208	5.63E-12	0.009	0.003	0.003	0.013	47.428	TRUE	6.91E-11
PEF	MAPK9	cg19810457	rs111531999	A	G	-0.349	0.048	0.072	2.36E-13	-0.008	0.005	0.114	0.014	53.655	TRUE	1.21E-12
PEF	MAPK9	cg19810457	rs112412514	A	G	-0.502	0.077	0.026	8.81E-11	0.014	0.008	0.073	0.011	42.048	TRUE	4.02E-10
PEF	MAPK9	cg19810457	rs113469619	T	C	-0.655	0.090	0.017	2.93E-13	0.017	0.010	0.086	0.014	53.223	TRUE	1.65E-12
PEF	MAPK9	cg19810457	rs113809091	G	A	-1.211	0.130	0.020	9.47E-21	0.004	0.011	0.716	0.023	87.223	TRUE	3.11E-20
PEF	MAPK9	cg19810457	rs185821264	C	T	-0.347	0.052	0.054	1.87E-11	0.006	0.006	0.294	0.012	45.081	TRUE	5.52E-11
PEF	MAPK9	cg19810457	rs74446612	A	G	-1.152	0.085	0.018	1.31E-41	0.011	0.010	0.273	0.047	182.508	TRUE	7.15E-40
PEF	MCL1	cg02961109	rs4970935	C	T	0.174	0.027	0.257	1.51E-10	0.013	0.003	7.51E-06	0.011	40.999	TRUE	3.59E-09
PEF	MCL1	cg02961109	rs4971020	T	C	0.149	0.024	0.363	7.91E-10	0.014	0.003	8.98E-08	0.010	37.762	TRUE	2.97E-08
PEF	MCL1	cg02961109	rs6587756	A	T	0.214	0.025	0.340	3.51E-18	0.005	0.003	0.070	0.020	75.537	TRUE	3.62E-17
PEF	MCL1	cg13175981	rs10305667	T	C	-0.393	0.027	0.236	2.03E-48	0.012	0.003	8.62E-05	0.055	213.694	TRUE	1.47E-44
PEF	MCL1	cg13175981	rs114221421	A	G	0.408	0.071	0.027	9.23E-09	-0.011	0.008	0.159	0.009	32.979	TRUE	2.73E-08
PEF	MCL1	cg13175981	rs12135409	T	C	0.198	0.029	0.209	8.03E-12	-0.003	0.003	0.328	0.012	46.732	TRUE	2.31E-11
PEF	MCL1	cg13175981	rs12731738	T	C	0.309	0.028	0.219	3.51E-28	-0.001	0.003	0.741	0.032	121.101	TRUE	1.96E-27
PEF	MCL1	cg13175981	rs145713490	T	C	0.368	0.042	0.086	9.26E-19	-0.004	0.005	0.397	0.021	78.169	TRUE	4.12E-18
PEF	MCL1	cg13175981	rs146939323	A	G	-0.580	0.106	0.028	4.61E-08	0.010	0.007	0.186	0.008	29.859	TRUE	1.21E-07
PEF	MCL1	cg13175981	rs200492635	G	T	-0.413	0.043	0.073	1.34E-21	0.014	0.005	0.003	0.024	91.084	TRUE	5.87E-20
PEF	MCL1	cg13175981	rs267733	G	A	0.262	0.032	0.155	4.07E-16	-0.009	0.003	0.010	0.018	66.169	TRUE	6.20E-15
PEF	MCL1	cg13175981	rs3738484	G	T	-0.710	0.021	0.443	1.64E-239	0.007	0.003	0.005	0.228	1091.608	TRUE	8.32E-213
PEF	MCL1	cg13175981	rs3754208	C	A	0.384	0.044	0.074	4.24E-18	0.001	0.005	0.892	0.020	75.164	TRUE	9.43E-18
PEF	MCL1	cg13175981	rs41300863	G	A	-0.430	0.052	0.047	1.50E-16	-0.006	0.006	0.300	0.018	68.130	TRUE	6.61E-16
PEF	MCL1	cg13175981	rs4970934	G	A	-0.184	0.027	0.257	5.76E-12	0.010	0.003	9.74E-04	0.013	47.384	TRUE	8.34E-11
PEF	MCL1	cg13175981	rs4970944	G	A	-0.266	0.025	0.307	4.78E-27	0.000	0.003	0.894	0.030	115.927	TRUE	1.99E-26
PEF	MCL1	cg13175981	rs60162170	A	G	0.266	0.035	0.119	3.90E-14	0.013	0.004	8.96E-04	0.015	57.185	TRUE	8.21E-13
PEF	MCL1	cg13175981	rs72700826	T	C	-0.333	0.044	0.072	7.10E-14	-0.009	0.005	0.066	0.015	56.009	TRUE	4.62E-13
PEF	MCL1	cg13175981	rs77604525	G	T	-0.484	0.037	0.098	7.80E-40	0.013	0.004	7.73E-04	0.045	174.379	TRUE	6.94E-37
PEF	MCL1	cg17724175	rs1045298	T	C	0.312	0.032	0.156	3.73E-22	-0.003	0.004	0.329	0.025	93.616	TRUE	2.48E-21
PEF	MCL1	cg17724175	rs10788797	G	A	-0.277	0.037	0.114	6.77E-14	0.003	0.004	0.379	0.015	56.104	TRUE	2.12E-13
PEF	MCL1	cg17724175	rs111428433	T	C	-0.458	0.048	0.062	2.66E-21	0.001	0.006	0.866	0.024	89.736	TRUE	7.48E-21
PEF	MCL1	cg17724175	rs11204671	T	C	0.804	0.021	0.340	5.14E-293	0.005	0.003	0.072	0.277	1415.853	TRUE	3.27E-271
PEF	MCL1	cg17724175	rs11205354	A	C	0.374	0.023	0.444	1.51E-58	0.017	0.003	2.49E-11	0.066	260.108	TRUE	6.73E-52
PEF	MCL1	cg17724175	rs114529840	G	T	0.320	0.052	0.048	8.04E-10	-0.006	0.005	0.286	0.010	37.729	TRUE	2.12E-09

PEF	MCL1	cg17724175	rs115183610	C	T	0.746	0.111	0.014	2.17E-11	0.027	0.011	0.017	0.012	44.783	TRUE	1.59E-10
PEF	MCL1	cg17724175	rs116293136	A	G	0.773	0.131	0.020	3.49E-09	0.005	0.008	0.510	0.009	34.873	TRUE	6.77E-09
PEF	MCL1	cg17724175	rs11803990	G	C	-0.468	0.044	0.077	1.50E-26	0.001	0.005	0.881	0.030	113.654	TRUE	6.05E-26
PEF	MCL1	cg17724175	rs11806477	T	C	-0.187	0.024	0.382	1.33E-14	0.005	0.003	0.070	0.016	59.307	TRUE	9.14E-14
PEF	MCL1	cg17724175	rs12143614	A	T	-0.475	0.037	0.120	3.34E-37	-0.002	0.004	0.650	0.042	162.336	TRUE	4.91E-36
PEF	MCL1	cg17724175	rs140386498	T	A	0.779	0.096	0.017	3.57E-16	-0.002	0.011	0.890	0.018	66.424	TRUE	7.15E-16
PEF	MCL1	cg17724175	rs140729194	G	C	-0.412	0.054	0.049	2.69E-14	-0.015	0.006	0.014	0.015	57.918	TRUE	3.02E-13
PEF	MCL1	cg17724175	rs141156871	G	T	0.821	0.089	0.021	3.49E-20	0.003	0.009	0.752	0.022	84.644	TRUE	1.05E-19
PEF	MCL1	cg17724175	rs142094124	A	G	0.744	0.045	0.067	7.47E-61	0.007	0.005	0.180	0.068	270.687	TRUE	7.76E-58
PEF	MCL1	cg17724175	rs17646887	A	G	0.857	0.082	0.046	9.23E-26	0.010	0.006	0.122	0.029	110.060	TRUE	1.57E-24
PEF	MCL1	cg17724175	rs1811698	T	C	-0.356	0.038	0.101	6.19E-21	0.011	0.004	0.015	0.023	88.064	TRUE	1.50E-19
PEF	MCL1	cg17724175	rs2067606	G	A	0.207	0.027	0.244	5.14E-14	-0.001	0.003	0.749	0.015	56.645	TRUE	1.04E-13
PEF	MCL1	cg17724175	rs3738320	G	A	0.369	0.028	0.218	4.25E-40	0.009	0.003	0.002	0.045	175.587	TRUE	2.71E-37
PEF	MCL1	cg17724175	rs525676	T	C	-0.445	0.064	0.038	4.84E-12	-0.018	0.006	0.005	0.013	47.723	TRUE	5.15E-11
PEF	MCL1	cg17724175	rs6659770	T	C	0.499	0.027	0.257	9.67E-79	0.009	0.003	0.001	0.087	352.756	TRUE	6.47E-73
PEF	MCL1	cg17724175	rs7364686	A	G	0.460	0.025	0.313	9.17E-76	0.012	0.003	2.15E-05	0.084	339.095	TRUE	2.44E-69
PEF	MCL1	cg17724175	rs771201	C	T	0.347	0.024	0.385	5.93E-47	0.005	0.003	0.063	0.053	206.974	TRUE	1.95E-44
PEF	MCL1	cg18016565	rs11204671	T	C	0.320	0.024	0.340	1.92E-39	0.005	0.003	0.072	0.045	172.593	TRUE	2.11E-37
PEF	MCL1	cg18016565	rs6693567	C	T	0.193	0.027	0.261	6.96E-13	0.012	0.003	2.15E-05	0.014	51.529	TRUE	2.42E-11
PEF	MCL1	cg18016565	rs75952620	C	T	0.353	0.040	0.084	7.69E-19	0.011	0.004	0.009	0.021	78.535	TRUE	1.67E-17
PEF	MEFV	cg03919650	rs220377	C	G	-0.312	0.027	0.224	5.31E-30	-0.010	0.003	0.001	0.034	129.415	TRUE	1.05E-27
PEF	MEFV	cg05388963	rs1235946	C	T	-0.294	0.029	0.201	1.24E-24	0.003	0.003	0.276	0.028	104.907	TRUE	1.17E-23
PEF	MEFV	cg05554494	rs17136317	A	T	-0.376	0.027	0.227	1.24E-43	-0.009	0.003	0.003	0.049	191.764	TRUE	1.23E-40
PEF	MEFV	cg08260052	rs11645732	A	C	0.301	0.051	0.053	4.59E-09	0.009	0.006	0.114	0.009	34.335	TRUE	1.55E-08
PEF	MEFV	cg08260052	rs224217	A	G	-0.823	0.019	0.463	<1E-200	-0.004	0.003	0.135	0.330	1824.058	TRUE	<1E-200
PEF	MEFV	cg08260052	rs382073	T	G	0.159	0.024	0.383	6.95E-11	-0.001	0.003	0.680	0.011	42.510	TRUE	1.29E-10
PEF	MEFV	cg08260052	rs62032729	C	G	-0.147	0.027	0.266	3.13E-08	0.005	0.003	0.079	0.008	30.610	TRUE	1.09E-07
PEF	MEFV	cg08260052	rs67218524	T	G	0.193	0.026	0.297	5.52E-14	0.000	0.003	0.964	0.015	56.506	TRUE	9.09E-14
PEF	MEFV	cg08260052	rs77260057	C	G	-0.351	0.043	0.080	2.25E-16	-0.005	0.004	0.225	0.018	67.335	TRUE	1.12E-15
PEF	MEFV	cg08781710	rs224215	G	A	-0.215	0.032	0.392	2.75E-11	-0.005	0.003	0.061	0.012	44.321	TRUE	1.42E-10
PEF	MEFV	cg11660537	rs1149487	T	C	-0.351	0.029	0.203	3.46E-34	0.003	0.003	0.357	0.039	148.545	TRUE	6.85E-33
PEF	MEFV	cg11660537	rs220381	G	A	0.197	0.033	0.351	3.69E-09	0.003	0.003	0.253	0.009	34.764	TRUE	9.44E-09
PEF	MET	cg01921059	rs11979704	A	G	-1.203	0.106	0.011	4.03E-30	-0.010	0.011	0.380	0.034	129.963	TRUE	5.01E-29
PEF	MET	cg01921059	rs12673233	G	A	-0.794	0.053	0.047	1.99E-50	-0.006	0.006	0.285	0.057	222.895	TRUE	3.12E-48
PEF	MET	cg01921059	rs2237712	G	A	-1.798	0.059	0.038	4.95E-205	-0.011	0.007	0.124	0.201	933.065	TRUE	8.62E-186
PEF	MET	cg01921059	rs42230	C	T	-0.198	0.024	0.400	4.59E-16	0.004	0.003	0.104	0.018	65.930	TRUE	3.13E-15
PEF	MET	cg19958057	rs10227421	C	T	-0.194	0.035	0.122	3.39E-08	0.000	0.004	0.944	0.008	30.452	TRUE	4.43E-08
PEF	MET	cg24197567	rs41785	A	C	-0.161	0.024	0.420	2.73E-11	-0.004	0.003	0.146	0.012	44.339	TRUE	1.03E-10
PEF	MET	cg24197567	rs437	C	T	0.153	0.027	0.262	8.36E-09	0.008	0.003	0.007	0.009	33.171	TRUE	5.22E-08
PEF	MET	cg24627299	rs437	C	T	0.256	0.027	0.262	5.18E-22	0.008	0.003	0.007	0.025	92.968	TRUE	1.79E-20
PEF	MET	cg25299676	rs145400702	T	C	0.659	0.118	0.013	2.34E-08	0.001	0.010	0.932	0.008	31.174	TRUE	3.09E-08
PEF	MET	cg25299676	rs38840	T	C	0.510	0.041	0.172	7.34E-35	0.011	0.003	9.58E-04	0.039	151.626	TRUE	2.79E-32

PEF	MET	cg25299676	rs41781	C	T	0.147	0.025	0.357	4.40E-09	0.005	0.003	0.042	0.009	34.421	TRUE	1.95E-08
PEF	MET	cg25299676	rs73716755	C	G	-0.350	0.058	0.042	1.61E-09	-0.004	0.006	0.523	0.010	36.378	TRUE	3.16E-09
PEF	MET	cg27472701	rs38849	C	G	-0.198	0.027	0.249	2.04E-13	0.009	0.003	0.001	0.014	53.936	TRUE	3.49E-12
PEF	MLST8	cg01500402	rs12922719	C	A	-0.391	0.042	0.082	1.19E-20	-0.015	0.004	7.58E-04	0.023	86.769	TRUE	6.61E-19
PEF	MLST8	cg03910196	rs12922719	C	A	-0.700	0.042	0.082	2.24E-63	-0.015	0.004	7.58E-04	0.071	282.259	TRUE	1.02E-58
PEF	MLST8	cg03910196	rs17814754	G	A	-0.236	0.035	0.138	1.02E-11	-0.012	0.004	0.001	0.012	46.269	TRUE	1.31E-10
PEF	MLST8	cg03910196	rs26856	T	C	0.207	0.027	0.307	1.20E-14	0.003	0.003	0.298	0.016	59.500	TRUE	4.53E-14
PEF	MLST8	cg04079779	rs1051771	C	G	-0.252	0.044	0.074	1.28E-08	-0.017	0.004	6.94E-05	0.009	32.348	TRUE	1.57E-07
PEF	MLST8	cg04079779	rs12922719	C	A	-0.821	0.041	0.082	1.27E-87	-0.015	0.004	7.58E-04	0.096	393.532	TRUE	6.78E-81
PEF	MLST8	cg04079779	rs150930	A	C	0.145	0.024	0.411	1.07E-09	0.000	0.003	0.901	0.010	37.171	TRUE	1.53E-09
PEF	MLST8	cg04079779	rs17814754	G	A	-0.297	0.035	0.138	1.10E-17	-0.012	0.004	0.001	0.019	73.292	TRUE	3.32E-16
PEF	MLST8	cg09616053	rs17814754	G	A	-0.259	0.035	0.138	8.34E-14	-0.012	0.004	0.001	0.015	55.695	TRUE	1.46E-12
PEF	MLST8	cg09616053	rs26870	A	C	0.257	0.024	0.422	1.83E-27	0.003	0.003	0.275	0.031	117.828	TRUE	2.31E-26
PEF	MLST8	cg09616053	rs7206195	T	C	-0.282	0.030	0.188	1.34E-20	-0.020	0.003	1.84E-09	0.023	86.540	TRUE	8.07E-18
PEF	MLST8	cg09616053	rs9921791	T	C	-0.733	0.040	0.089	8.57E-75	-0.015	0.005	0.001	0.083	334.639	TRUE	2.53E-69
PEF	MSH6	cg02905881	rs3136292	C	T	-0.244	0.025	0.306	3.53E-22	0.005	0.003	0.076	0.025	93.728	TRUE	5.19E-21
PEF	MSH6	cg02905881	rs77503991	T	C	-0.225	0.030	0.174	1.14E-13	0.010	0.003	0.004	0.015	55.084	TRUE	1.58E-12
PEF	MSH6	cg04781916	rs3136230	T	C	0.623	0.037	0.109	1.32E-64	0.009	0.004	0.027	0.072	287.896	TRUE	1.08E-60
PEF	MSH6	cg04781916	rs57827032	T	C	0.175	0.027	0.258	5.15E-11	0.005	0.003	0.095	0.012	43.095	TRUE	2.25E-10
PEF	MSH6	cg04781916	rs62137054	T	C	0.177	0.026	0.268	1.70E-11	0.006	0.003	0.042	0.012	45.269	TRUE	9.90E-11
PEF	MSH6	cg05039065	rs3136230	T	C	-0.329	0.037	0.109	2.39E-19	0.009	0.004	0.027	0.021	80.846	TRUE	3.92E-18
PEF	MSH6	cg15355298	rs1800935	C	T	-0.141	0.025	0.305	2.58E-08	0.005	0.003	0.071	0.008	30.981	TRUE	9.23E-08
PEF	MSH6	cg16595246	rs3136230	T	C	-0.261	0.037	0.109	1.14E-12	0.009	0.004	0.027	0.013	50.566	TRUE	8.66E-12
PEF	MSH6	cg18222961	rs78491566	C	G	-0.335	0.037	0.110	7.39E-20	0.009	0.004	0.033	0.022	83.162	TRUE	1.17E-18
PEF	MSH6	cg19570558	rs62139916	T	G	-0.402	0.030	0.195	1.15E-41	-0.001	0.003	0.883	0.047	182.757	TRUE	1.75E-40
PEF	MSH6	cg19570558	rs78888036	C	G	0.476	0.037	0.111	1.69E-38	0.009	0.004	0.023	0.044	168.265	TRUE	3.15E-36
PEF	MSX1	cg01785568	rs28529683	G	C	-0.248	0.034	0.137	2.00E-13	0.005	0.004	0.139	0.014	53.979	TRUE	9.48E-13
PEF	MSX1	cg01785568	rs67362914	C	T	-0.235	0.039	0.101	1.90E-09	0.005	0.004	0.188	0.010	36.056	TRUE	5.65E-09
PEF	MSX1	cg03199651	rs56398386	T	C	-0.226	0.031	0.170	2.87E-13	-0.005	0.003	0.121	0.014	53.265	TRUE	1.40E-12
PEF	MSX1	cg03335246	rs145178606	A	C	-0.577	0.088	0.020	4.64E-11	0.000	0.010	0.996	0.012	43.300	TRUE	6.55E-11
PEF	MSX1	cg03335246	rs3821949	A	G	-0.446	0.037	0.231	7.48E-33	0.002	0.003	0.498	0.037	142.443	TRUE	9.46E-32
PEF	MSX1	cg03335246	rs4234836	G	A	-0.139	0.024	0.487	5.18E-09	0.000	0.003	0.921	0.009	34.102	TRUE	7.18E-09
PEF	MSX1	cg03335246	rs4566595	C	A	0.205	0.024	0.379	5.27E-17	0.001	0.003	0.712	0.019	70.194	TRUE	1.38E-16
PEF	MSX1	cg03335246	rs6821947	C	G	-0.160	0.029	0.198	3.68E-08	-0.003	0.003	0.380	0.008	30.297	TRUE	7.71E-08
PEF	MSX1	cg03335246	rs77291978	G	C	-0.401	0.040	0.091	9.54E-24	0.012	0.004	0.003	0.027	100.872	TRUE	5.16E-22
PEF	MSX1	cg03672274	rs4423815	A	G	0.139	0.024	0.427	4.57E-09	-0.001	0.003	0.662	0.009	34.348	TRUE	7.64E-09
PEF	MSX1	cg04100843	rs56398386	T	C	-0.180	0.031	0.170	6.62E-09	-0.005	0.003	0.121	0.009	33.626	TRUE	2.13E-08
PEF	MSX1	cg04660422	rs73194720	T	C	0.254	0.032	0.167	1.85E-15	0.000	0.004	0.904	0.017	63.189	TRUE	3.49E-15
PEF	MSX1	cg08121252	rs13435489	C	T	-0.335	0.049	0.054	1.22E-11	-0.006	0.005	0.238	0.012	45.917	TRUE	3.98E-11
PEF	MSX1	cg08121252	rs4689955	C	T	0.150	0.024	0.479	1.73E-10	0.000	0.003	0.924	0.011	40.729	TRUE	2.49E-10
PEF	MSX1	cg09573795	rs4395446	G	A	0.192	0.027	0.268	6.25E-13	-0.001	0.003	0.693	0.014	51.739	TRUE	1.26E-12
PEF	MSX1	cg09573795	rs6446716	G	A	0.128	0.024	0.396	4.92E-08	-0.003	0.003	0.247	0.008	29.732	TRUE	1.18E-07

PEF	MSX1	cg09748975	rs112626763	C	T	-0.411	0.064	0.035	1.65E-10	-0.015	0.007	0.030	0.011	40.819	TRUE	9.43E-10
PEF	MSX1	cg09748975	rs12512455	T	C	-0.148	0.024	0.423	4.33E-10	0.002	0.003	0.421	0.010	38.939	TRUE	1.00E-09
PEF	MSX1	cg09748975	rs67362914	C	T	-0.220	0.039	0.101	1.96E-08	0.005	0.004	0.188	0.008	31.521	TRUE	5.32E-08
PEF	MSX1	cg09918082	rs10029682	A	C	-0.303	0.048	0.059	3.08E-10	-0.007	0.005	0.230	0.011	39.601	TRUE	9.15E-10
PEF	MSX1	cg09918082	rs11944652	C	T	0.150	0.023	0.470	1.37E-10	-0.001	0.003	0.804	0.011	41.190	TRUE	2.20E-10
PEF	MSX1	cg10266211	rs3821949	A	G	-0.213	0.038	0.231	1.51E-08	0.002	0.003	0.498	0.009	32.017	TRUE	2.86E-08
PEF	MSX1	cg13882284	rs80183133	G	A	0.256	0.043	0.074	1.66E-09	0.012	0.004	0.006	0.010	36.322	TRUE	1.20E-08
PEF	MSX1	cg14039306	rs2131453	C	G	-0.490	0.042	0.169	8.56E-31	-0.004	0.003	0.295	0.035	133.036	TRUE	1.40E-29
PEF	MSX1	cg14039306	rs28444462	T	A	-0.452	0.050	0.059	8.13E-20	-0.006	0.005	0.242	0.022	82.974	TRUE	5.30E-19
PEF	MSX1	cg14039306	rs35995608	A	T	0.289	0.040	0.096	2.48E-13	0.006	0.004	0.179	0.014	53.554	TRUE	1.05E-12
PEF	MSX1	cg14039306	rs3821949	A	G	-0.272	0.038	0.231	4.93E-13	0.002	0.003	0.498	0.014	52.205	TRUE	1.25E-12
PEF	MSX1	cg14039306	rs4425311	A	G	-0.274	0.048	0.064	1.03E-08	0.002	0.005	0.733	0.009	32.764	TRUE	1.62E-08
PEF	MSX1	cg14039306	rs4511945	G	C	0.182	0.028	0.249	3.82E-11	0.001	0.003	0.764	0.012	43.682	TRUE	6.65E-11
PEF	MSX1	cg14039306	rs4689966	A	G	-0.306	0.024	0.343	1.01E-36	-0.003	0.003	0.321	0.041	160.145	TRUE	2.82E-35
PEF	MSX1	cg14039306	rs60145083	A	G	0.183	0.024	0.499	9.72E-15	0.001	0.003	0.756	0.016	59.919	TRUE	2.09E-14
PEF	MSX1	cg14039306	rs74874242	T	C	-0.381	0.064	0.036	2.74E-09	-0.014	0.007	0.037	0.009	35.340	TRUE	1.28E-08
PEF	MSX1	cg15696627	rs13435455	A	C	-0.318	0.050	0.054	1.67E-10	-0.005	0.005	0.325	0.011	40.796	TRUE	4.38E-10
PEF	MSX1	cg17814781	rs113018018	A	G	0.346	0.033	0.139	1.82E-25	0.005	0.004	0.145	0.029	108.715	TRUE	2.67E-24
PEF	MSX1	cg17814781	rs12650460	C	G	0.149	0.025	0.307	3.84E-09	0.004	0.003	0.170	0.009	34.685	TRUE	1.15E-08
PEF	MSX1	cg17814781	rs4566595	C	A	-0.232	0.024	0.379	2.45E-21	0.001	0.003	0.712	0.024	89.894	TRUE	8.58E-21
PEF	MSX1	cg17814781	rs61482971	G	A	0.245	0.033	0.151	5.21E-14	0.001	0.004	0.751	0.015	56.619	TRUE	1.07E-13
PEF	MSX1	cg17938612	rs13435489	C	T	0.493	0.050	0.054	2.74E-23	-0.006	0.005	0.238	0.026	98.784	TRUE	2.46E-22
PEF	MSX1	cg17938612	rs2968688	C	G	0.179	0.030	0.194	1.86E-09	-0.003	0.003	0.394	0.010	36.091	TRUE	4.14E-09
PEF	MSX1	cg17938612	rs4423815	A	G	0.133	0.024	0.427	2.19E-08	-0.001	0.003	0.662	0.008	31.298	TRUE	3.53E-08
PEF	MSX1	cg20588069	rs3821949	A	G	-0.387	0.037	0.231	4.15E-25	0.002	0.003	0.498	0.028	107.083	TRUE	2.62E-24
PEF	MSX1	cg20588069	rs4234836	G	A	-0.165	0.024	0.487	3.31E-12	0.000	0.003	0.921	0.013	48.467	TRUE	5.33E-12
PEF	MSX1	cg20588069	rs4566595	C	A	0.181	0.024	0.379	1.30E-13	0.001	0.003	0.712	0.015	54.822	TRUE	2.75E-13
PEF	MSX1	cg20588069	rs6821947	C	G	-0.162	0.029	0.198	2.29E-08	-0.003	0.003	0.380	0.008	31.211	TRUE	4.88E-08
PEF	MSX1	cg20588069	rs78255553	C	T	-0.322	0.039	0.093	3.29E-16	0.013	0.004	0.002	0.018	66.584	TRUE	8.17E-15
PEF	MSX1	cg21538208	rs12512455	T	C	-0.133	0.024	0.423	2.03E-08	0.002	0.003	0.421	0.008	31.447	TRUE	4.18E-08
PEF	MSX1	cg21689228	rs4234836	G	A	0.169	0.024	0.487	8.74E-13	0.000	0.003	0.921	0.014	51.080	TRUE	1.45E-12
PEF	MSX1	cg21689228	rs4689955	C	T	-0.168	0.024	0.479	9.47E-13	0.000	0.003	0.924	0.014	50.923	TRUE	1.52E-12
PEF	MSX1	cg21689228	rs6446700	G	A	0.234	0.024	0.489	2.47E-23	0.002	0.003	0.552	0.026	98.987	TRUE	1.25E-22
PEF	MSX1	cg21689228	rs73194720	T	C	0.343	0.032	0.167	3.18E-27	0.000	0.004	0.904	0.031	116.732	TRUE	1.29E-26
PEF	MSX1	cg21689228	rs7666443	C	T	0.136	0.024	0.471	9.37E-09	0.006	0.003	0.021	0.009	32.950	TRUE	4.72E-08
PEF	MSX1	cg22256027	rs6817411	T	C	0.154	0.023	0.467	4.55E-11	-0.001	0.003	0.714	0.012	43.339	TRUE	8.16E-11
PEF	MSX1	cg22371591	rs10019032	T	C	0.309	0.048	0.061	1.33E-10	-0.005	0.005	0.342	0.011	41.244	TRUE	3.46E-10
PEF	MSX1	cg22609784	rs11944652	C	T	0.208	0.024	0.470	7.96E-19	-0.001	0.003	0.804	0.021	78.466	TRUE	2.05E-18
PEF	MSX1	cg22609784	rs35751866	A	C	0.177	0.027	0.243	1.01E-10	0.001	0.003	0.777	0.011	41.770	TRUE	1.69E-10
PEF	MSX1	cg22609784	rs4426714	C	G	0.152	0.024	0.378	3.80E-10	-0.001	0.003	0.644	0.010	39.194	TRUE	6.92E-10
PEF	MSX1	cg24469464	rs73193155	A	G	0.300	0.035	0.134	1.91E-17	-0.003	0.004	0.475	0.019	72.199	TRUE	6.81E-17
PEF	MSX1	cg24840099	rs148259940	A	G	-0.618	0.100	0.014	5.54E-10	-0.022	0.010	0.025	0.010	38.456	TRUE	3.10E-09

PEF	MSX1	cg24840099	rs2968684	T	C	-0.201	0.034	0.136	4.32E-09	0.000	0.004	0.997	0.009	34.454	TRUE	5.58E-09
PEF	MSX1	cg25144207	rs13109344	G	A	-0.168	0.028	0.223	2.91E-09	0.002	0.003	0.615	0.009	35.221	TRUE	5.17E-09
PEF	MSX1	cg25144207	rs3111689	G	T	-0.302	0.038	0.210	2.18E-15	0.005	0.003	0.079	0.017	62.864	TRUE	1.57E-14
PEF	MSX1	cg27038439	rs113083992	A	G	-0.446	0.064	0.035	3.04E-12	-0.013	0.007	0.068	0.013	48.638	TRUE	1.68E-11
PEF	MTF1	cg13567986	rs111956467	T	C	-0.215	0.030	0.197	5.01E-13	-0.005	0.003	0.087	0.014	52.172	TRUE	2.73E-12
PEF	MTF1	cg13567986	rs1480343	T	C	0.288	0.042	0.092	1.01E-11	0.019	0.005	8.93E-05	0.012	46.275	TRUE	2.18E-10
PEF	MTMR9	cg03034634	rs143008704	G	A	-0.229	0.039	0.108	6.22E-09	0.001	0.004	0.744	0.009	33.747	TRUE	9.78E-09
PEF	MTMR9	cg06240162	rs3808502	T	G	0.153	0.025	0.448	1.02E-09	-0.007	0.003	0.008	0.010	37.260	TRUE	7.26E-09
PEF	MTMR9	cg12981288	rs6601581	C	T	0.192	0.025	0.495	1.89E-14	-0.006	0.003	0.015	0.016	58.608	TRUE	2.16E-13
PEF	MTMR9	cg21337580	rs60724206	G	A	0.517	0.079	0.025	5.27E-11	0.002	0.008	0.768	0.012	43.052	TRUE	9.04E-11
PEF	MTMR9	cg24378421	rs12676708	T	C	0.349	0.064	0.045	4.43E-08	-0.002	0.006	0.748	0.008	29.937	TRUE	6.62E-08
PEF	MTOR	cg04310074	rs12121319	T	C	-0.994	0.082	0.024	4.72E-34	-0.016	0.009	0.064	0.038	147.929	TRUE	2.84E-32
PEF	MTOR	cg07922924	rs17036458	A	G	-1.030	0.082	0.024	8.89E-36	-0.019	0.009	0.031	0.040	155.818	TRUE	9.55E-34
PEF	MTOR	cg08854313	rs11121717	C	T	-0.662	0.085	0.035	4.84E-15	-0.017	0.007	0.011	0.016	61.293	TRUE	6.20E-14
PEF	MTOR	cg08854313	rs12033594	G	T	-0.216	0.027	0.261	2.25E-15	0.003	0.003	0.248	0.017	62.798	TRUE	1.01E-14
PEF	MTOR	cg08854313	rs1281014	A	G	-0.402	0.065	0.039	5.72E-10	0.006	0.007	0.389	0.010	38.394	TRUE	1.34E-09
PEF	MTOR	cg08854313	rs2788562	C	T	0.319	0.023	0.443	3.06E-43	0.002	0.003	0.421	0.049	189.972	TRUE	1.36E-41
PEF	MTOR	cg08854313	rs41274510	A	G	-0.677	0.072	0.030	3.64E-21	0.005	0.007	0.474	0.024	89.112	TRUE	1.75E-20
PEF	MTOR	cg08854313	rs4845854	T	C	-0.862	0.022	0.288	<1E-200	-0.004	0.003	0.210	0.286	1484.902	TRUE	6.35E-284
PEF	MTOR	cg08854313	rs61775592	C	A	0.205	0.033	0.151	3.61E-10	0.002	0.003	0.652	0.011	39.293	TRUE	6.55E-10
PEF	MTOR	cg08854313	rs7543488	C	T	-0.182	0.030	0.194	7.53E-10	-0.004	0.003	0.166	0.010	37.858	TRUE	2.43E-09
PEF	MTOR	cg10315903	rs2744815	G	A	0.144	0.026	0.303	1.64E-08	-0.002	0.003	0.422	0.009	31.862	TRUE	3.35E-08
PEF	MUC1	cg06216400	rs74677851	A	G	0.218	0.037	0.110	2.37E-09	0.008	0.004	0.042	0.010	35.627	TRUE	1.08E-08
PEF	MUC1	cg15699386	rs11264304	T	C	0.157	0.025	0.306	2.38E-10	0.011	0.003	5.53E-05	0.011	40.101	TRUE	4.53E-09
PEF	MUC1	cg15699386	rs11264432	G	A	-0.181	0.023	0.461	1.29E-14	-0.005	0.003	0.043	0.016	59.363	TRUE	1.07E-13
PEF	MUC1	cg15699386	rs112835528	T	C	0.327	0.039	0.112	8.22E-17	0.011	0.004	0.005	0.018	69.319	TRUE	1.63E-15
PEF	MUC1	cg15699386	rs11582489	A	G	0.533	0.062	0.038	8.36E-18	-0.020	0.006	0.001	0.020	73.825	TRUE	2.63E-16
PEF	MUC1	cg15699386	rs12753466	G	T	-0.286	0.044	0.077	5.95E-11	-0.008	0.005	0.096	0.011	42.813	TRUE	2.56E-10
PEF	MUC1	cg15699386	rs423144	T	G	-0.480	0.023	0.421	7.09E-97	-0.007	0.003	0.008	0.105	436.012	TRUE	7.47E-90
PEF	MUC1	cg15699386	rs59922392	G	A	0.162	0.028	0.232	3.81E-09	0.003	0.003	0.264	0.009	34.701	TRUE	9.88E-09
PEF	MUC1	cg15699386	rs6660884	C	T	-0.251	0.025	0.336	5.17E-24	0.009	0.003	0.001	0.027	102.085	TRUE	3.99E-22
PEF	MUC1	cg15699386	rs67585595	A	C	-0.386	0.056	0.037	5.85E-12	-0.003	0.006	0.560	0.013	47.353	TRUE	1.30E-11
PEF	MUC1	cg15699386	rs79976845	A	G	0.304	0.030	0.180	3.21E-24	0.006	0.003	0.085	0.027	103.029	TRUE	5.70E-23
PEF	MUC1	cg15699386	rs822527	A	G	-0.280	0.024	0.349	2.26E-30	-0.013	0.003	2.43E-06	0.034	131.110	TRUE	2.10E-27
PEF	MUC1	cg18804777	rs6660884	C	T	-0.140	0.025	0.336	1.71E-08	0.009	0.003	0.001	0.009	31.786	TRUE	1.38E-07
PEF	MUC1	cg18804777	rs6694256	C	T	-0.669	0.058	0.044	2.98E-31	0.025	0.006	7.15E-05	0.035	135.131	TRUE	1.56E-28
PEF	MUC1	cg22500132	rs370545	A	G	-0.195	0.024	0.473	1.86E-16	0.015	0.003	4.76E-09	0.018	67.714	TRUE	4.22E-14
PEF	MUC1	cg22531371	rs12411216	A	C	-0.155	0.024	0.468	4.96E-11	0.015	0.003	1.67E-09	0.012	43.170	TRUE	3.72E-09
PEF	MUL1	cg03182908	rs11577932	T	C	0.204	0.024	0.396	7.76E-18	0.000	0.003	0.868	0.020	73.972	TRUE	1.74E-17
PEF	MUL1	cg03182908	rs34658642	T	C	0.362	0.051	0.059	8.56E-13	-0.010	0.005	0.046	0.014	51.121	TRUE	5.63E-12
PEF	MUL1	cg09354021	rs10916798	G	T	0.174	0.023	0.385	1.24E-13	0.000	0.003	0.884	0.015	54.916	TRUE	2.19E-13
PEF	MUL1	cg09354021	rs433816	A	G	-0.134	0.024	0.334	4.00E-08	-0.004	0.003	0.146	0.008	30.134	TRUE	1.14E-07

PEF	MUL1	cg09858435	rs595980	T	C	-0.207	0.029	0.193	7.59E-13	0.003	0.003	0.333	0.014	51.359	TRUE	2.36E-12
PEF	MUL1	cg26370078	rs10157351	G	T	0.173	0.024	0.408	5.12E-13	0.001	0.003	0.853	0.014	52.131	TRUE	9.10E-13
PEF	MUL1	cg26370078	rs1253918	G	T	0.167	0.029	0.228	9.29E-09	-0.005	0.003	0.106	0.009	32.966	TRUE	3.10E-08
PEF	MUL1	cg26370078	rs139259969	T	C	-0.704	0.110	0.030	1.36E-10	0.007	0.009	0.452	0.011	41.194	TRUE	3.11E-10
PEF	MUL1	cg26370078	rs141203102	C	T	-0.759	0.096	0.015	3.54E-15	0.012	0.010	0.257	0.016	61.907	TRUE	1.51E-14
PEF	MUL1	cg26370078	rs16824489	G	A	-0.141	0.025	0.337	1.46E-08	0.006	0.003	0.033	0.009	32.088	TRUE	6.50E-08
PEF	MUL1	cg26370078	rs2641114	A	G	0.306	0.023	0.455	9.28E-40	-0.006	0.003	0.023	0.045	174.035	TRUE	2.10E-37
PEF	MUL1	cg26370078	rs2934358	A	G	0.245	0.023	0.486	1.66E-26	-0.004	0.003	0.136	0.030	113.463	TRUE	2.93E-25
PEF	MUL1	cg26370078	rs3767235	T	C	-1.220	0.032	0.117	<1E-200	0.013	0.004	9.09E-04	0.282	1450.527	TRUE	8.68E-275
PEF	MUL1	cg26370078	rs433816	A	G	0.263	0.025	0.334	1.19E-26	-0.004	0.003	0.146	0.030	114.110	TRUE	1.98E-25
PEF	MUL1	cg26370078	rs4654860	T	C	0.146	0.024	0.398	1.81E-09	-0.002	0.003	0.568	0.010	36.152	TRUE	3.40E-09
PEF	MUL1	cg26370078	rs4704	G	A	0.218	0.024	0.398	3.00E-20	0.001	0.003	0.772	0.022	84.942	TRUE	8.73E-20
PEF	MUL1	cg26370078	rs669410	C	T	-0.166	0.024	0.418	4.38E-12	0.005	0.003	0.069	0.013	47.919	TRUE	2.34E-11
PEF	MUL1	cg26370078	rs7414922	G	T	-0.308	0.023	0.458	2.58E-40	0.001	0.003	0.832	0.046	176.581	TRUE	3.64E-39
PEF	MUL1	cg26370078	rs7535412	G	A	-0.250	0.030	0.193	6.71E-17	0.000	0.003	0.997	0.018	69.718	TRUE	1.25E-16
PEF	MYH10	cg09975715	rs11651129	C	T	-0.198	0.024	0.421	7.37E-17	0.000	0.003	0.977	0.018	69.532	TRUE	1.42E-16
PEF	MYH10	cg22897522	rs11657060	T	C	-0.205	0.026	0.311	3.46E-15	0.000	0.003	0.940	0.016	61.952	TRUE	6.25E-15
PEF	MYH10	cg22897522	rs4792804	T	C	0.687	0.079	0.021	3.81E-18	-0.015	0.009	0.080	0.020	75.378	TRUE	3.57E-17
PEF	MYH10	cg22897522	rs79520517	G	A	1.878	0.078	0.025	2.46E-129	-0.016	0.008	0.040	0.137	585.122	TRUE	1.35E-119
PEF	MYH10	cg22897522	rs9897780	A	G	0.249	0.043	0.178	6.83E-09	-0.002	0.003	0.466	0.009	33.564	TRUE	1.36E-08
PEF	MYH10	cg22897522	rs9901445	A	C	0.460	0.072	0.028	1.28E-10	0.003	0.008	0.666	0.011	41.320	TRUE	2.36E-10
PEF	MYH10	cg25921609	rs11658073	C	T	-0.200	0.024	0.407	7.26E-17	0.000	0.003	0.998	0.018	69.565	TRUE	1.35E-16
PEF	MYH14	cg00919509	rs7255564	A	G	0.532	0.080	0.040	3.21E-11	-0.012	0.007	0.081	0.012	44.018	TRUE	1.50E-10
PEF	MYH14	cg02652072	rs584020	A	G	-0.506	0.060	0.043	4.38E-17	0.005	0.007	0.454	0.019	70.557	TRUE	1.57E-16
PEF	MYH14	cg02652072	rs589028	G	A	-0.518	0.024	0.358	6.84E-107	0.004	0.003	0.097	0.115	482.013	TRUE	7.31E-100
PEF	MYH14	cg02652072	rs67103883	G	A	0.322	0.032	0.162	7.92E-24	0.004	0.004	0.257	0.027	101.242	TRUE	7.25E-23
PEF	MYH14	cg02652072	rs7259185	A	G	0.147	0.027	0.243	3.21E-08	-0.002	0.003	0.514	0.008	30.561	TRUE	5.82E-08
PEF	MYH14	cg03182113	rs10416029	G	A	-0.463	0.077	0.027	1.63E-09	0.000	0.008	0.982	0.010	36.356	TRUE	2.17E-09
PEF	MYH14	cg03585888	rs589028	G	A	0.211	0.024	0.358	3.10E-18	0.004	0.003	0.097	0.020	75.782	TRUE	2.81E-17
PEF	MYH14	cg03585888	rs638286	A	G	-0.205	0.032	0.489	2.39E-10	0.007	0.003	0.004	0.011	40.098	TRUE	2.15E-09
PEF	MYH14	cg03585888	rs6509458	A	G	-0.139	0.023	0.474	3.39E-09	-0.001	0.003	0.786	0.009	34.929	TRUE	5.19E-09
PEF	MYH14	cg03585888	rs694354	G	C	-0.293	0.032	0.160	1.65E-19	0.003	0.004	0.385	0.022	81.574	TRUE	7.91E-19
PEF	MYH14	cg06553312	rs10416029	G	A	-0.765	0.077	0.027	1.67E-23	0.000	0.008	0.982	0.026	99.770	TRUE	4.73E-23
PEF	MYH14	cg07555272	rs145276601	T	C	-0.474	0.079	0.026	1.61E-09	0.001	0.008	0.915	0.010	36.382	TRUE	2.26E-09
PEF	MYH14	cg08183141	rs372342456	G	A	-0.683	0.076	0.027	4.42E-19	0.002	0.008	0.799	0.021	79.630	TRUE	1.17E-18
PEF	MYH14	cg08183141	rs7252676	C	G	-0.297	0.031	0.161	3.49E-21	-0.012	0.003	4.64E-04	0.024	89.193	TRUE	2.46E-19
PEF	MYH14	cg10229905	rs12973089	C	T	-0.182	0.031	0.162	5.13E-09	0.001	0.003	0.782	0.009	34.120	TRUE	7.92E-09
PEF	MYH14	cg10229905	rs142251009	G	T	-1.231	0.082	0.019	2.05E-50	-0.002	0.009	0.787	0.057	222.839	TRUE	9.53E-49
PEF	MYH14	cg10229905	rs201622360	A	G	-0.393	0.054	0.068	3.69E-13	0.002	0.005	0.702	0.014	52.770	TRUE	7.58E-13
PEF	MYH14	cg10229905	rs73061154	G	A	-0.387	0.051	0.053	3.64E-14	-0.013	0.005	0.014	0.015	57.324	TRUE	3.92E-13
PEF	MYH14	cg10592766	rs12609315	G	C	0.219	0.034	0.329	1.36E-10	0.000	0.003	0.967	0.011	41.197	TRUE	1.92E-10
PEF	MYH14	cg10639981	rs117650234	A	G	-0.216	0.030	0.187	1.38E-12	0.006	0.003	0.059	0.013	50.183	TRUE	8.30E-12

PEF	MYH14	cg10639981	rs1670721	G	C	0.322	0.037	0.245	4.65E-18	-0.002	0.003	0.531	0.020	74.984	TRUE	1.60E-17
PEF	MYH14	cg10639981	rs630283	G	A	-0.166	0.024	0.471	3.35E-12	0.003	0.003	0.302	0.013	48.448	TRUE	1.01E-11
PEF	MYH14	cg12301087	rs117650234	A	G	-0.176	0.030	0.187	7.35E-09	0.006	0.003	0.059	0.009	33.421	TRUE	2.94E-08
PEF	MYH14	cg12301087	rs1670721	G	C	0.411	0.037	0.245	6.24E-29	-0.002	0.003	0.531	0.033	124.527	TRUE	5.14E-28
PEF	MYH14	cg17889586	rs1078446	A	G	-0.152	0.026	0.297	2.96E-09	-0.002	0.003	0.521	0.009	35.189	TRUE	5.74E-09
PEF	MYH14	cg17889586	rs7259185	A	G	0.148	0.027	0.243	3.27E-08	-0.002	0.003	0.514	0.008	30.522	TRUE	5.93E-08
PEF	MYH14	cg22022379	rs1651553	A	G	0.390	0.037	0.245	6.75E-26	-0.002	0.003	0.530	0.029	110.678	TRUE	4.29E-25
PEF	MYH14	cg22022379	rs73070934	T	C	-0.192	0.035	0.322	2.86E-08	0.004	0.003	0.136	0.008	30.781	TRUE	8.43E-08
PEF	MYH14	cg23268322	rs1670721	G	C	0.608	0.036	0.245	3.02E-62	-0.002	0.003	0.531	0.070	277.076	TRUE	1.14E-59
PEF	MYH14	cg23268322	rs2017387	A	G	0.164	0.030	0.206	3.89E-08	0.003	0.003	0.424	0.008	30.189	TRUE	7.59E-08
PEF	MYH14	cg23268322	rs659442	A	G	0.445	0.060	0.043	1.57E-13	0.005	0.007	0.445	0.015	54.448	TRUE	4.40E-13
PEF	MYH14	cg23268322	rs73070934	T	C	-0.249	0.035	0.322	7.34E-13	0.004	0.003	0.136	0.014	51.424	TRUE	3.33E-12
PEF	MYH14	cg23268322	rs788332	A	C	-0.130	0.024	0.403	4.98E-08	0.000	0.003	0.893	0.008	29.709	TRUE	6.60E-08
PEF	MYH14	cg25311666	rs561963469	T	A	-0.570	0.078	0.024	3.52E-13	0.000	0.008	0.959	0.014	52.867	TRUE	5.64E-13
PEF	NACC2	cg00236077	rs7028545	T	C	-0.254	0.023	0.495	1.92E-27	-0.002	0.003	0.387	0.031	117.735	TRUE	1.85E-26
PEF	NACC2	cg00236077	rs72773737	A	T	-1.268	0.062	0.036	1.89E-92	0.003	0.006	0.691	0.101	415.694	TRUE	6.71E-88
PEF	NACC2	cg00648203	rs11792837	A	C	0.229	0.031	0.169	1.04E-13	-0.002	0.003	0.548	0.015	55.251	TRUE	2.60E-13
PEF	NACC2	cg00648203	rs1747842	T	C	0.278	0.051	0.062	3.84E-08	-0.003	0.005	0.610	0.008	30.214	TRUE	6.41E-08
PEF	NACC2	cg00648203	rs4842105	A	G	-0.603	0.027	0.233	4.08E-112	-0.002	0.003	0.475	0.120	506.010	TRUE	1.53E-105
PEF	NACC2	cg00648203	rs76689007	T	C	-0.466	0.082	0.026	1.47E-08	-0.001	0.008	0.933	0.009	32.081	TRUE	1.95E-08
PEF	NACC2	cg01612110	rs11103335	G	C	-0.201	0.035	0.158	1.28E-08	-0.003	0.004	0.349	0.009	32.340	TRUE	2.80E-08
PEF	NACC2	cg01612110	rs115848636	G	T	-0.593	0.081	0.027	2.97E-13	-0.002	0.008	0.787	0.014	53.198	TRUE	5.66E-13
PEF	NACC2	cg01612110	rs1622817	G	A	-0.155	0.025	0.378	2.91E-10	0.004	0.003	0.110	0.011	39.716	TRUE	1.10E-09
PEF	NACC2	cg01612110	rs1747842	T	C	0.307	0.051	0.062	1.24E-09	-0.003	0.005	0.610	0.010	36.880	TRUE	2.27E-09
PEF	NACC2	cg01612110	rs55737177	A	G	0.292	0.031	0.167	5.10E-21	-0.002	0.003	0.585	0.023	88.447	TRUE	2.06E-20
PEF	NACC2	cg01612110	rs79105125	C	T	-0.749	0.026	0.231	5.15E-177	-0.003	0.003	0.409	0.179	804.260	TRUE	9.55E-163
PEF	NACC2	cg03587907	rs13284838	A	C	0.153	0.025	0.338	9.90E-10	-0.001	0.003	0.686	0.010	37.325	TRUE	1.70E-09
PEF	NACC2	cg08763846	rs12003954	T	C	0.346	0.062	0.086	2.51E-08	0.004	0.005	0.364	0.008	31.037	TRUE	5.35E-08
PEF	NACC2	cg08763846	rs1717453	T	C	0.523	0.047	0.071	1.85E-28	0.000	0.005	0.988	0.032	122.370	TRUE	7.42E-28
PEF	NACC2	cg13549345	rs10745379	A	G	0.179	0.023	0.423	1.75E-14	0.007	0.003	0.004	0.016	58.760	TRUE	2.66E-13
PEF	NACC2	cg13588388	rs1717451	T	C	0.485	0.048	0.071	2.30E-24	0.000	0.005	0.982	0.027	103.692	TRUE	6.86E-24
PEF	NACC2	cg13588388	rs7034427	C	T	-0.415	0.027	0.237	4.13E-52	-0.004	0.003	0.222	0.059	230.607	TRUE	9.83E-50
PEF	NACC2	cg13923277	rs10481731	A	G	-0.246	0.043	0.064	1.20E-08	0.005	0.005	0.314	0.009	32.462	TRUE	2.81E-08
PEF	NACC2	cg13923277	rs11103335	G	C	-0.313	0.035	0.158	6.26E-19	-0.003	0.004	0.349	0.021	78.943	TRUE	3.00E-18
PEF	NACC2	cg13923277	rs114514608	A	G	-0.555	0.081	0.024	7.82E-12	-0.004	0.008	0.605	0.012	46.785	TRUE	1.64E-11
PEF	NACC2	cg13923277	rs1747872	A	G	0.394	0.069	0.066	1.40E-08	0.006	0.005	0.258	0.009	32.169	TRUE	3.48E-08
PEF	NACC2	cg13923277	rs55737177	A	G	0.211	0.031	0.167	1.13E-11	-0.002	0.003	0.585	0.012	46.069	TRUE	2.41E-11
PEF	NACC2	cg13923277	rs79105125	C	T	-0.890	0.024	0.231	5.23E-299	-0.003	0.003	0.409	0.270	1365.226	TRUE	5.43E-264
PEF	NACC2	cg13978542	rs1717423	T	C	-0.187	0.032	0.153	4.06E-09	-0.001	0.003	0.865	0.009	34.575	TRUE	5.86E-09
PEF	NACC2	cg13978542	rs62583484	T	C	0.243	0.026	0.369	2.91E-20	-0.001	0.003	0.696	0.022	85.007	TRUE	9.43E-20
PEF	NACC2	cg13979562	rs1717423	T	C	0.232	0.032	0.153	3.74E-13	-0.001	0.003	0.865	0.014	52.749	TRUE	6.57E-13
PEF	NACC2	cg13979562	rs4842101	G	A	-0.552	0.025	0.285	3.11E-104	0.000	0.003	0.981	0.113	469.806	TRUE	5.08E-99

PEF	NACC2	cg14126392	rs11790228	T	A	0.137	0.025	0.339	4.07E-08	-0.001	0.003	0.741	0.008	30.098	TRUE	6.14E-08
PEF	NACC2	cg14147151	rs4842091	G	A	0.364	0.036	0.246	1.58E-23	0.003	0.003	0.377	0.026	99.875	TRUE	1.06E-22
PEF	NACC2	cg14175330	rs4842091	G	A	0.206	0.036	0.246	1.43E-08	0.003	0.003	0.377	0.009	32.127	TRUE	3.03E-08
PEF	NACC2	cg14242024	rs4842104	C	T	-0.159	0.026	0.260	1.90E-09	-0.003	0.003	0.323	0.010	36.052	TRUE	4.66E-09
PEF	NACC2	cg14253096	rs55987927	T	C	-0.284	0.041	0.094	3.32E-12	-0.005	0.005	0.254	0.013	48.465	TRUE	1.11E-11
PEF	NACC2	cg14253096	rs77639581	A	G	0.249	0.037	0.116	2.73E-11	-0.004	0.004	0.338	0.012	44.334	TRUE	7.46E-11
PEF	NACC2	cg14350701	rs185043138	G	A	-0.364	0.058	0.044	2.66E-10	0.003	0.006	0.691	0.011	39.887	TRUE	4.69E-10
PEF	NACC2	cg14350701	rs4419885	C	G	-0.293	0.025	0.316	3.55E-32	-0.003	0.003	0.332	0.036	139.355	TRUE	5.93E-31
PEF	NACC2	cg14618312	rs4842104	C	T	-0.226	0.027	0.260	3.78E-17	-0.003	0.003	0.323	0.019	70.849	TRUE	1.70E-16
PEF	NACC2	cg18768887	rs1717453	T	C	-0.363	0.048	0.071	2.50E-14	0.000	0.005	0.988	0.015	58.058	TRUE	4.14E-14
PEF	NACC2	cg21229179	rs35062806	A	G	0.278	0.035	0.158	4.10E-15	-0.003	0.004	0.386	0.016	61.617	TRUE	1.39E-14
PEF	NACC2	cg21229179	rs77190494	A	G	0.542	0.075	0.018	6.34E-13	-0.005	0.007	0.527	0.014	51.712	TRUE	1.54E-12
PEF	NACC2	cg21229179	rs79105125	C	T	0.382	0.027	0.231	4.02E-44	-0.003	0.003	0.409	0.050	194.009	TRUE	2.05E-42
PEF	NACC2	cg22747092	rs11103328	T	G	-0.321	0.048	0.071	1.86E-11	0.000	0.005	0.943	0.012	45.093	TRUE	2.79E-11
PEF	NANOS3	cg00863306	rs11669628	A	G	0.188	0.034	0.140	4.56E-08	0.003	0.004	0.395	0.008	29.879	TRUE	9.17E-08
PEF	NANOS3	cg00863306	rs3803892	C	T	-0.352	0.028	0.216	1.06E-35	-0.007	0.003	0.028	0.040	155.462	TRUE	1.26E-33
PEF	NANOS3	cg03346733	rs11667043	T	C	-0.134	0.024	0.351	2.26E-08	-0.003	0.003	0.272	0.008	31.244	TRUE	5.43E-08
PEF	NANOS3	cg03346733	rs3745457	A	G	-0.362	0.028	0.220	2.27E-39	-0.007	0.003	0.032	0.044	172.256	TRUE	3.98E-37
PEF	NANOS3	cg08482080	rs12975695	A	G	0.298	0.028	0.213	8.39E-26	-0.007	0.003	0.033	0.029	110.249	TRUE	2.74E-24
PEF	NANOS3	cg09212407	rs3803892	C	T	-0.433	0.028	0.216	8.78E-54	-0.007	0.003	0.028	0.061	238.271	TRUE	1.30E-50
PEF	NANOS3	cg22075918	rs2016163	G	A	-0.416	0.028	0.219	4.36E-50	-0.007	0.003	0.029	0.056	221.331	TRUE	3.55E-47
PEF	NDUFA13	cg03233793	rs77427798	C	T	-0.344	0.031	0.168	1.04E-28	-0.004	0.003	0.257	0.032	123.507	TRUE	1.48E-27
PEF	NDUFA13	cg07624705	rs247791	C	G	-0.153	0.025	0.325	8.27E-10	0.005	0.003	0.069	0.010	37.676	TRUE	3.47E-09
PEF	NDUFA13	cg07624705	rs2860494	T	C	-0.484	0.031	0.171	1.50E-56	-0.003	0.003	0.343	0.064	250.960	TRUE	4.34E-54
PEF	NDUFA13	cg07624705	rs55705533	A	G	-0.281	0.051	0.053	4.25E-08	-0.005	0.006	0.420	0.008	30.015	TRUE	8.38E-08
PEF	NDUFA13	cg07624705	rs62135502	A	G	-0.192	0.034	0.149	1.01E-08	-0.002	0.004	0.518	0.009	32.802	TRUE	1.88E-08
PEF	NDUFA13	cg08331981	rs2860494	T	C	-0.352	0.031	0.171	2.38E-30	-0.003	0.003	0.343	0.034	131.007	TRUE	3.24E-29
PEF	NDUFA13	cg08815677	rs4808963	A	G	-0.608	0.054	0.054	8.57E-30	0.013	0.006	0.028	0.034	128.465	TRUE	4.71E-28
PEF	NDUFA13	cg08815677	rs769267	G	A	-0.168	0.024	0.354	5.91E-12	0.002	0.003	0.482	0.013	47.334	TRUE	1.42E-11
PEF	NDUFA13	cg25274157	rs7252453	C	G	-0.376	0.030	0.178	1.87E-35	-0.004	0.003	0.223	0.040	154.344	TRUE	5.97E-34
PEF	NEU1	cg00397479	rs9268158	T	C	-0.290	0.034	0.128	4.12E-17	-0.043	0.004	5.23E-31	0.019	70.680	TRUE	9.62E-13
PEF	NEU1	cg00397479	rs9276569	T	C	-0.135	0.023	0.479	4.28E-09	-0.017	0.003	6.17E-12	0.009	34.475	TRUE	3.08E-07
PEF	NEU1	cg13634177	rs3130455	T	A	-0.155	0.027	0.255	6.86E-09	-0.039	0.003	2.56E-41	0.009	33.556	TRUE	1.31E-05
PEF	NEU1	cg21116447	rs56280220	C	G	0.849	0.103	0.013	1.44E-16	-0.003	0.012	0.823	0.018	68.210	TRUE	3.18E-16
PEF	NEU1	cg25560247	rs385306	A	G	-0.207	0.029	0.217	6.44E-13	0.010	0.003	0.001	0.014	51.680	TRUE	1.06E-11
PEF	NEU1	cg27645345	rs116312062	G	T	-0.197	0.034	0.137	6.22E-09	-0.039	0.004	6.04E-23	0.009	33.747	TRUE	1.96E-06
PEF	NLRC4	cg14625450	rs212756	A	G	0.288	0.023	0.442	4.44E-36	0.005	0.003	0.032	0.041	157.198	TRUE	5.04E-34
PEF	NLRC4	cg14625450	rs438408	G	A	0.147	0.024	0.329	2.17E-09	-0.006	0.003	0.027	0.010	35.793	TRUE	1.09E-08
PEF	NLRC4	cg22713339	rs138116467	T	C	-1.570	0.115	0.011	2.08E-42	-0.006	0.010	0.557	0.048	186.165	TRUE	6.19E-41
PEF	NOS3	cg00571021	rs112748368	A	T	-0.184	0.028	0.218	4.27E-11	0.100	0.047	0.034	0.012	43.462	TRUE	2.54E-10
PEF	NOS3	cg00571021	rs148743489	A	G	-0.387	0.069	0.033	2.40E-08	-0.007	0.007	0.293	0.008	31.120	TRUE	5.59E-08
PEF	NOS3	cg00571021	rs1808593	G	T	-0.466	0.026	0.250	9.15E-70	-0.006	0.003	0.044	0.078	311.567	TRUE	1.29E-65

PEF	NOS3	cg00571021	rs748693	G	A	0.162	0.024	0.360	2.16E-11	-0.001	0.003	0.668	0.012	44.792	TRUE	4.13E-11
PEF	NOS3	cg00700487	rs2853795	G	A	0.307	0.031	0.172	2.24E-23	0.002	0.003	0.471	0.026	99.180	TRUE	1.26E-22
PEF	NOS3	cg00700487	rs743506	G	A	-0.379	0.027	0.256	2.60E-46	-0.006	0.003	0.034	0.052	204.037	TRUE	1.13E-43
PEF	NOS3	cg03469471	rs743506	G	A	-0.190	0.027	0.256	1.36E-12	-0.006	0.003	0.034	0.013	50.212	TRUE	9.66E-12
PEF	NOS3	cg07795016	rs1808593	G	T	-0.189	0.027	0.250	1.68E-12	-0.006	0.003	0.044	0.013	49.802	TRUE	1.09E-11
PEF	NOS3	cg07841866	rs2256314	G	A	-0.416	0.027	0.251	1.99E-55	-0.006	0.003	0.047	0.062	245.806	TRUE	2.64E-52
PEF	NOS3	cg07841866	rs2853795	G	A	0.240	0.031	0.172	7.35E-15	0.002	0.003	0.471	0.016	60.469	TRUE	2.17E-14
PEF	NOS3	cg07841866	rs57756713	T	G	0.176	0.024	0.447	1.02E-13	0.003	0.003	0.205	0.015	55.304	TRUE	4.29E-13
PEF	NOS3	cg10501602	rs2566511	T	C	0.309	0.027	0.245	3.52E-30	0.001	0.003	0.666	0.034	130.233	TRUE	2.60E-29
PEF	NOS3	cg10501602	rs34459590	C	G	0.141	0.026	0.303	4.62E-08	0.006	0.003	0.035	0.008	29.852	TRUE	1.93E-07
PEF	NOS3	cg10501602	rs753482	C	A	-0.269	0.028	0.212	3.35E-21	-0.005	0.003	0.124	0.024	89.277	TRUE	3.57E-20
PEF	NOS3	cg10501602	rs917807	T	G	0.188	0.028	0.209	3.56E-11	-0.003	0.003	0.413	0.012	43.816	TRUE	8.93E-11
PEF	NOS3	cg12547085	rs3918226	T	C	0.331	0.044	0.079	4.18E-14	0.002	0.005	0.667	0.015	57.051	TRUE	9.40E-14
PEF	NOS3	cg19475224	rs138595199	A	G	-1.599	0.136	0.014	4.43E-32	0.005	0.011	0.695	0.036	138.912	TRUE	3.71E-31
PEF	NOS3	cg20498962	rs2566514	G	C	0.176	0.027	0.252	6.33E-11	0.002	0.003	0.592	0.011	42.693	TRUE	1.27E-10
PEF	NOS3	cg20498962	rs753482	C	A	-0.164	0.029	0.212	8.99E-09	-0.005	0.003	0.124	0.009	33.030	TRUE	2.89E-08
PEF	NOS3	cg21901847	rs11762978	G	A	-0.210	0.025	0.325	2.07E-17	0.006	0.003	0.026	0.019	72.041	TRUE	2.71E-16
PEF	NOS3	cg21901847	rs11769158	A	G	0.287	0.036	0.121	2.64E-15	-0.006	0.004	0.117	0.017	62.483	TRUE	1.61E-14
PEF	NOS3	cg21901847	rs11971392	T	C	-0.299	0.026	0.298	1.85E-31	0.006	0.003	0.036	0.035	136.081	TRUE	1.06E-29
PEF	NOS3	cg21901847	rs12155241	T	C	0.151	0.028	0.231	4.07E-08	-0.006	0.003	0.041	0.008	30.100	TRUE	1.61E-07
PEF	NOS3	cg21901847	rs2373927	C	A	0.145	0.025	0.341	4.32E-09	0.000	0.003	0.952	0.009	34.455	TRUE	5.84E-09
PEF	NOS3	cg21901847	rs34074336	A	G	0.176	0.026	0.286	2.74E-11	0.002	0.003	0.451	0.012	44.332	TRUE	6.51E-11
PEF	NOS3	cg21901847	rs3918182	A	G	0.140	0.025	0.369	1.21E-08	-0.001	0.003	0.808	0.009	32.451	TRUE	1.77E-08
PEF	NOS3	cg21901847	rs3918226	T	C	0.255	0.044	0.079	6.05E-09	0.002	0.005	0.667	0.009	33.801	TRUE	1.01E-08
PEF	NOS3	cg21901847	rs41311015	T	C	-0.516	0.092	0.019	2.06E-08	-0.005	0.010	0.609	0.008	31.417	TRUE	3.51E-08
PEF	NOS3	cg21901847	rs41313071	A	C	-0.392	0.058	0.034	1.63E-11	-0.005	0.006	0.455	0.012	45.342	TRUE	3.96E-11
PEF	NOS3	cg21901847	rs4148853	A	G	-0.269	0.031	0.174	4.40E-18	0.009	0.003	0.010	0.020	75.092	TRUE	8.71E-17
PEF	NOS3	cg21901847	rs55908531	C	T	0.236	0.042	0.081	2.38E-08	0.010	0.004	0.021	0.008	31.141	TRUE	1.11E-07
PEF	NOS3	cg21901847	rs891511	A	G	-0.656	0.024	0.323	2.93E-167	0.002	0.003	0.460	0.170	759.412	TRUE	2.11E-154
PEF	NOS3	cg21932452	rs11769256	T	C	-0.187	0.029	0.192	1.80E-10	0.000	0.003	0.972	0.011	40.648	TRUE	2.52E-10
PEF	NOS3	cg21932452	rs310594	A	C	0.396	0.062	0.042	1.62E-10	-0.005	0.006	0.459	0.011	40.860	TRUE	3.63E-10
PEF	NOS3	cg21932452	rs3793341	G	A	0.362	0.032	0.149	1.51E-29	0.001	0.004	0.822	0.033	127.348	TRUE	8.34E-29
PEF	NOS3	cg21932452	rs3918176	T	C	-0.302	0.024	0.365	2.52E-35	-0.001	0.003	0.802	0.040	153.751	TRUE	2.42E-34
PEF	NOS3	cg24032393	rs10893	G	A	0.209	0.025	0.312	2.38E-16	0.006	0.003	0.028	0.018	67.223	TRUE	2.77E-15
PEF	NOS3	cg24032393	rs11769256	T	C	0.174	0.029	0.192	3.45E-09	0.000	0.003	0.972	0.009	34.893	TRUE	4.56E-09
PEF	NOS3	cg24032393	rs12703107	T	G	0.236	0.028	0.238	1.55E-17	0.002	0.003	0.435	0.019	72.609	TRUE	5.98E-17
PEF	NOS3	cg24032393	rs144527061	A	G	0.276	0.043	0.080	9.39E-11	0.010	0.004	0.021	0.011	41.922	TRUE	5.91E-10
PEF	NOS3	cg24032393	rs148743489	A	G	-0.532	0.069	0.033	1.43E-14	-0.007	0.007	0.293	0.016	59.160	TRUE	5.46E-14
PEF	NOS3	cg24032393	rs2192051	C	A	0.173	0.026	0.293	2.09E-11	0.001	0.003	0.857	0.012	44.857	TRUE	3.37E-11
PEF	NOS3	cg24032393	rs2373924	C	T	-0.311	0.040	0.100	6.08E-15	-0.007	0.004	0.096	0.016	60.843	TRUE	3.88E-14
PEF	NOS3	cg24032393	rs2566511	T	C	0.215	0.027	0.245	3.35E-15	0.001	0.003	0.666	0.016	62.019	TRUE	8.10E-15
PEF	NOS3	cg24032393	rs4725386	T	C	-0.214	0.027	0.253	7.13E-16	-0.007	0.003	0.011	0.017	65.063	TRUE	1.02E-14

PEF	NOS3	cg24032393	rs741068	T	C	0.136	0.024	0.347	2.71E-08	-0.002	0.003	0.407	0.008	30.885	TRUE	5.56E-08
PEF	NOS3	cg24032393	rs7781606	T	C	-0.318	0.032	0.167	1.22E-23	-0.009	0.003	0.006	0.026	100.379	TRUE	5.35E-22
PEF	NOS3	cg24032393	rs891512	A	G	-0.762	0.027	0.214	3.59E-175	-0.004	0.003	0.185	0.177	795.782	TRUE	1.46E-160
PEF	NOS3	cg26168651	rs10240738	T	C	0.132	0.024	0.464	2.36E-08	0.004	0.003	0.083	0.008	31.159	TRUE	8.20E-08
PEF	NOS3	cg26168651	rs7830	T	G	0.241	0.025	0.326	1.65E-22	0.005	0.003	0.070	0.025	95.236	TRUE	2.60E-21
PEF	NR4A2	cg00558219	rs1033224	T	A	0.279	0.036	0.125	1.72E-14	0.011	0.004	0.006	0.016	58.799	TRUE	2.42E-13
PEF	NR4A2	cg02964555	rs295807	G	A	0.285	0.037	0.123	6.93E-15	0.011	0.004	0.005	0.016	60.585	TRUE	1.09E-13
PEF	NR4A2	cg09906382	rs13406834	C	A	0.206	0.033	0.161	4.16E-10	0.007	0.004	0.057	0.010	39.017	TRUE	1.92E-09
PEF	NR4A2	cg10089963	rs13406834	C	A	0.224	0.033	0.161	8.79E-12	0.007	0.004	0.057	0.012	46.556	TRUE	4.87E-11
PEF	NR4A2	cg13500877	rs1871778	G	A	0.215	0.037	0.125	4.15E-09	0.011	0.004	0.005	0.009	34.535	TRUE	2.86E-08
PEF	NR4A2	cg18941818	rs645093	G	T	0.216	0.037	0.123	3.76E-09	0.011	0.004	0.005	0.009	34.725	TRUE	2.65E-08
PEF	NR4A2	cg20570611	rs1996275	T	C	0.216	0.037	0.121	3.80E-09	0.011	0.004	0.005	0.009	34.706	TRUE	2.71E-08
PEF	NR4A2	cg21758126	rs13406834	C	A	0.199	0.033	0.161	1.62E-09	0.007	0.004	0.057	0.010	36.363	TRUE	7.02E-09
PEF	NR4A2	cg27074041	rs295796	A	T	0.209	0.037	0.121	1.12E-08	0.011	0.004	0.005	0.009	32.608	TRUE	7.44E-08
PEF	NRBP2	cg02658043	rs11136325	G	A	1.160	0.014	0.406	<1E-200	0.009	0.003	7.02E-04	0.639	6533.573	TRUE	<1E-200
PEF	NRBP2	cg02658043	rs113835443	T	C	0.363	0.039	0.094	3.00E-20	-0.003	0.004	0.525	0.022	84.941	TRUE	1.22E-19
PEF	NRBP2	cg02658043	rs113990650	T	C	0.232	0.032	0.150	7.93E-13	0.008	0.004	0.029	0.014	51.271	TRUE	5.92E-12
PEF	NRBP2	cg02658043	rs11774714	T	C	-0.342	0.034	0.138	1.53E-23	0.005	0.004	0.207	0.026	99.939	TRUE	1.51E-22
PEF	NRBP2	cg02658043	rs11782788	T	C	0.805	0.091	0.037	1.21E-18	-0.003	0.007	0.728	0.021	77.644	TRUE	3.39E-18
PEF	NRBP2	cg02658043	rs11784060	G	A	0.752	0.040	0.092	2.75E-77	0.010	0.004	0.019	0.086	346.081	TRUE	2.76E-72
PEF	NRBP2	cg02658043	rs139129039	G	A	0.523	0.085	0.020	6.61E-10	0.000	0.009	0.960	0.010	38.111	TRUE	9.09E-10
PEF	NRBP2	cg02658043	rs148250905	C	G	0.710	0.075	0.027	2.66E-21	0.003	0.008	0.730	0.024	89.732	TRUE	8.98E-21
PEF	NRBP2	cg02658043	rs35427453	C	G	-0.321	0.051	0.059	2.71E-10	0.007	0.005	0.172	0.011	39.855	TRUE	8.92E-10
PEF	NRBP2	cg02658043	rs35657405	T	C	0.202	0.030	0.189	1.65E-11	-0.001	0.003	0.669	0.012	45.327	TRUE	3.20E-11
PEF	NRBP2	cg02658043	rs369051	A	G	-0.254	0.029	0.207	7.41E-19	0.001	0.003	0.761	0.021	78.609	TRUE	2.06E-18
PEF	NRBP2	cg02658043	rs3816477	T	C	0.229	0.035	0.135	6.79E-11	-0.001	0.004	0.782	0.011	42.555	TRUE	1.14E-10
PEF	NRBP2	cg02658043	rs55747119	A	G	0.329	0.058	0.042	1.71E-08	0.005	0.006	0.413	0.009	31.780	TRUE	3.50E-08
PEF	NRBP2	cg02658043	rs56186625	T	C	0.532	0.055	0.055	7.50E-22	0.016	0.006	0.003	0.024	92.236	TRUE	3.18E-20
PEF	NRBP2	cg02658043	rs72693306	A	G	0.356	0.053	0.050	1.55E-11	0.001	0.006	0.912	0.012	45.449	TRUE	2.39E-11
PEF	NRBP2	cg02658043	rs7834418	T	C	-0.247	0.026	0.283	7.48E-21	-0.001	0.003	0.854	0.023	87.689	TRUE	2.06E-20
PEF	NRBP2	cg02658043	rs7844855	G	A	0.480	0.032	0.165	6.45E-51	-0.003	0.003	0.352	0.057	225.135	TRUE	8.85E-49
PEF	NRBP2	cg06371044	rs7465214	G	A	0.150	0.024	0.420	3.32E-10	0.011	0.003	1.25E-05	0.011	39.458	TRUE	6.92E-09
PEF	NRBP2	cg13283896	rs10112400	A	C	-0.269	0.026	0.303	4.40E-25	0.001	0.003	0.779	0.028	106.967	TRUE	1.85E-24
PEF	NRBP2	cg13283896	rs11782788	T	C	-0.567	0.092	0.037	6.86E-10	-0.003	0.007	0.728	0.010	38.041	TRUE	1.14E-09
PEF	NRBP2	cg13283896	rs13274922	T	C	-0.345	0.034	0.136	9.20E-24	0.004	0.004	0.317	0.027	100.945	TRUE	7.23E-23
PEF	NRBP2	cg13283896	rs148250905	C	G	-0.453	0.075	0.027	1.80E-09	0.003	0.008	0.730	0.010	36.164	TRUE	2.94E-09
PEF	NRBP2	cg13283896	rs56186625	T	C	-0.398	0.056	0.055	8.41E-13	0.016	0.006	0.003	0.014	51.157	TRUE	1.06E-11
PEF	NRBP2	cg13283896	rs72701718	A	G	-0.327	0.058	0.036	1.68E-08	0.006	0.006	0.365	0.009	31.821	TRUE	3.60E-08
PEF	NRBP2	cg13283896	rs7465214	G	A	-0.709	0.022	0.420	4.09E-219	0.011	0.003	1.25E-05	0.212	997.816	TRUE	5.98E-194
PEF	NRBP2	cg20545721	rs11136341	G	A	0.271	0.025	0.368	4.32E-28	0.011	0.003	5.42E-05	0.032	120.692	TRUE	1.44E-25
PEF	NRBP2	cg20545721	rs11779501	C	T	0.612	0.025	0.306	1.14E-137	0.009	0.003	0.002	0.144	623.424	TRUE	6.76E-126
PEF	NRBP2	cg20545721	rs145622410	A	G	0.886	0.152	0.013	5.38E-09	0.009	0.009	0.313	0.009	34.028	TRUE	1.28E-08

PEF	NRBP2	cg20545721	rs148250905	C	G	0.561	0.075	0.027	8.42E-14	0.003	0.008	0.730	0.015	55.674	TRUE	1.75E-13
PEF	NRBP2	cg20545721	rs35723243	A	G	-0.459	0.065	0.034	1.98E-12	0.008	0.007	0.260	0.013	49.474	TRUE	6.72E-12
PEF	NRBP2	cg20545721	rs3750204	A	G	0.181	0.028	0.233	1.29E-10	0.005	0.003	0.132	0.011	41.303	TRUE	4.80E-10
PEF	NRBP2	cg20545721	rs6558383	C	T	0.313	0.034	0.146	4.52E-20	-0.002	0.004	0.543	0.022	84.135	TRUE	1.76E-19
PEF	NRBP2	cg21414636	rs11136341	G	A	0.281	0.025	0.368	3.34E-30	0.011	0.003	5.42E-05	0.034	130.336	TRUE	1.55E-27
PEF	NRBP2	cg21414636	rs11779501	C	T	0.648	0.024	0.306	9.02E-156	0.009	0.003	0.002	0.160	706.610	TRUE	1.03E-141
PEF	NRBP2	cg21414636	rs11782788	T	C	0.559	0.092	0.037	1.19E-09	-0.003	0.007	0.728	0.010	36.969	TRUE	1.96E-09
PEF	NRBP2	cg21414636	rs145622410	A	G	0.858	0.152	0.013	1.67E-08	0.009	0.009	0.313	0.009	31.831	TRUE	3.82E-08
PEF	NRBP2	cg21414636	rs148894027	A	G	0.553	0.082	0.022	1.43E-11	0.003	0.009	0.750	0.012	45.598	TRUE	2.57E-11
PEF	NRBP2	cg21414636	rs35723243	A	G	-0.516	0.065	0.034	2.72E-15	0.008	0.007	0.260	0.017	62.424	TRUE	1.17E-14
PEF	NRBP2	cg21414636	rs56186625	T	C	0.329	0.056	0.055	3.38E-09	0.016	0.006	0.003	0.009	34.932	TRUE	2.56E-08
PEF	NRBP2	cg21414636	rs6558383	C	T	0.296	0.034	0.146	4.28E-18	-0.002	0.004	0.543	0.020	75.147	TRUE	1.45E-17
PEF	OPTN	cg02458882	rs641113	A	G	0.319	0.046	0.115	4.52E-12	-0.012	0.004	0.003	0.013	47.858	TRUE	5.50E-11
PEF	OPTN	cg06091155	rs76647957	C	A	0.214	0.026	0.266	5.51E-16	-0.003	0.003	0.246	0.017	65.570	TRUE	2.61E-15
PEF	OPTN	cg06116488	rs61743995	C	T	-0.214	0.036	0.121	1.94E-09	-0.009	0.004	0.030	0.010	36.014	TRUE	9.94E-09
PEF	OPTN	cg16907766	rs144461570	A	G	-0.707	0.118	0.026	1.93E-09	-0.009	0.009	0.299	0.010	36.025	TRUE	4.86E-09
PEF	OPTN	cg16907766	rs660592	A	G	-0.586	0.035	0.121	2.90E-64	-0.008	0.004	0.049	0.072	286.332	TRUE	1.47E-60
PEF	OPTN	cg16907766	rs78411037	C	G	-0.192	0.032	0.158	2.33E-09	-0.002	0.003	0.519	0.010	35.655	TRUE	4.56E-09
PEF	OPTN	cg16993936	rs144461570	A	G	-0.841	0.117	0.026	7.94E-13	-0.009	0.009	0.299	0.014	51.269	TRUE	2.61E-12
PEF	OPTN	cg24176744	rs2244380	C	T	0.179	0.030	0.191	2.45E-09	0.004	0.003	0.209	0.010	35.563	TRUE	6.92E-09
PEF	ORMDL3	cg04308185	rs1467258	G	A	0.220	0.034	0.141	7.97E-11	0.007	0.004	0.064	0.011	42.242	TRUE	3.78E-10
PEF	ORMDL3	cg04308185	rs35557848	T	C	-0.426	0.027	0.235	1.74E-54	0.004	0.003	0.193	0.061	241.491	TRUE	6.70E-52
PEF	ORMDL3	cg04308185	rs3744246	T	C	0.446	0.029	0.216	4.48E-55	0.006	0.003	0.057	0.062	244.194	TRUE	5.06E-52
PEF	ORMDL3	cg04308185	rs4795396	T	C	0.708	0.114	0.013	5.78E-10	0.009	0.011	0.420	0.010	38.372	TRUE	1.30E-09
PEF	ORMDL3	cg08932654	rs35557848	T	C	-0.432	0.027	0.235	4.99E-56	0.004	0.003	0.193	0.063	248.563	TRUE	2.38E-53
PEF	ORMDL3	cg08932654	rs3744246	T	C	0.255	0.029	0.216	1.08E-18	0.006	0.003	0.057	0.021	77.865	TRUE	1.27E-17
PEF	ORMDL3	cg08932654	rs407307	A	G	0.218	0.025	0.324	5.19E-18	-0.009	0.003	0.001	0.020	74.766	TRUE	1.79E-16
PEF	ORMDL3	cg08932654	rs4795396	T	C	0.670	0.114	0.013	4.49E-09	0.009	0.011	0.420	0.009	34.380	TRUE	9.50E-09
PEF	ORMDL3	cg08932654	rs7502966	C	T	-0.144	0.024	0.427	1.31E-09	-0.001	0.003	0.594	0.010	36.786	TRUE	2.42E-09
PEF	ORMDL3	cg10444806	rs35557848	T	C	-0.350	0.028	0.235	4.15E-37	0.004	0.003	0.193	0.042	161.907	TRUE	1.78E-35
PEF	ORMDL3	cg10444806	rs3744246	T	C	0.340	0.029	0.216	2.11E-32	0.006	0.003	0.057	0.037	140.381	TRUE	1.16E-30
PEF	ORMDL3	cg10909506	rs11078916	T	C	-0.302	0.026	0.284	7.40E-31	-0.007	0.003	0.012	0.035	133.325	TRUE	6.78E-29
PEF	ORMDL3	cg10909506	rs114211283	A	T	-0.368	0.050	0.065	1.89E-13	-0.009	0.005	0.069	0.014	54.092	TRUE	1.16E-12
PEF	ORMDL3	cg10909506	rs12946335	T	C	0.646	0.116	0.019	2.25E-08	-0.014	0.009	0.115	0.008	31.249	TRUE	7.09E-08
PEF	ORMDL3	cg10909506	rs192665233	A	C	-0.475	0.078	0.039	1.16E-09	0.003	0.007	0.700	0.010	37.018	TRUE	1.96E-09
PEF	ORMDL3	cg10909506	rs2060941	T	G	0.560	0.033	0.148	1.72E-66	0.003	0.004	0.448	0.074	296.541	TRUE	1.59E-63
PEF	ORMDL3	cg10909506	rs35797841	T	C	-0.331	0.058	0.035	1.32E-08	-0.015	0.006	0.018	0.009	32.284	TRUE	6.69E-08
PEF	ORMDL3	cg10909506	rs3889369	T	A	-0.302	0.034	0.136	1.84E-18	0.003	0.004	0.388	0.020	76.808	TRUE	8.16E-18
PEF	ORMDL3	cg10909506	rs4065275	A	G	0.740	0.021	0.497	5.62E-282	0.007	0.003	0.003	0.258	1286.897	TRUE	4.03E-247
PEF	ORMDL3	cg10909506	rs471692	T	C	0.191	0.030	0.197	2.86E-10	0.000	0.003	0.990	0.011	39.744	TRUE	3.88E-10
PEF	ORMDL3	cg10909506	rs534012	C	T	0.188	0.032	0.162	6.35E-09	-0.003	0.003	0.394	0.009	33.705	TRUE	1.37E-08
PEF	ORMDL3	cg10909506	rs55913526	T	C	-0.508	0.043	0.077	7.28E-33	-0.001	0.005	0.772	0.037	142.498	TRUE	5.80E-32

PEF	ORMDL3	cg10909506	rs62065216	A	G	-0.263	0.024	0.417	8.33E-29	-0.005	0.003	0.078	0.032	123.955	TRUE	2.38E-27
PEF	ORMDL3	cg10909506	rs62065258	A	G	-0.265	0.028	0.248	5.77E-22	-0.008	0.003	0.004	0.024	92.755	TRUE	2.37E-20
PEF	ORMDL3	cg10909506	rs72825201	C	A	0.370	0.050	0.061	1.88E-13	0.013	0.005	0.012	0.014	54.094	TRUE	1.91E-12
PEF	ORMDL3	cg10909506	rs72827105	G	C	0.333	0.048	0.160	4.59E-12	0.007	0.003	0.033	0.013	47.830	TRUE	3.09E-11
PEF	ORMDL3	cg10909506	rs72832972	T	C	-0.380	0.046	0.072	1.44E-16	-0.009	0.005	0.044	0.018	68.213	TRUE	1.43E-15
PEF	ORMDL3	cg10909506	rs73985231	C	T	0.612	0.046	0.065	1.13E-39	0.009	0.005	0.078	0.045	173.643	TRUE	1.20E-37
PEF	ORMDL3	cg12655416	rs11078892	T	C	-0.191	0.035	0.472	3.18E-08	0.004	0.003	0.103	0.008	30.578	TRUE	1.03E-07
PEF	ORMDL3	cg12655416	rs113657930	G	C	-0.490	0.059	0.042	1.27E-16	0.008	0.006	0.190	0.018	68.467	TRUE	7.08E-16
PEF	ORMDL3	cg12655416	rs117381273	A	G	0.573	0.049	0.058	9.63E-32	0.011	0.005	0.034	0.036	137.372	TRUE	6.01E-30
PEF	ORMDL3	cg12655416	rs12941811	T	C	-0.246	0.024	0.419	1.95E-25	-0.005	0.003	0.069	0.029	108.577	TRUE	4.33E-24
PEF	ORMDL3	cg12655416	rs12946335	T	C	0.660	0.116	0.019	1.13E-08	-0.014	0.009	0.115	0.009	32.593	TRUE	3.66E-08
PEF	ORMDL3	cg12655416	rs16522	C	T	0.238	0.033	0.153	7.86E-13	0.008	0.004	0.025	0.014	51.290	TRUE	6.09E-12
PEF	ORMDL3	cg12655416	rs2715555	A	G	-0.301	0.033	0.148	2.62E-20	-0.011	0.004	0.002	0.023	85.210	TRUE	1.04E-18
PEF	ORMDL3	cg12655416	rs4795388	A	G	-0.146	0.027	0.276	3.94E-08	-0.008	0.003	0.007	0.008	30.161	TRUE	2.20E-07
PEF	ORMDL3	cg12655416	rs62066986	T	C	0.363	0.051	0.045	1.12E-12	0.012	0.005	0.018	0.013	50.593	TRUE	9.37E-12
PEF	ORMDL3	cg12655416	rs72832924	T	C	-0.366	0.030	0.184	1.97E-34	0.006	0.003	0.085	0.039	149.661	TRUE	1.10E-32
PEF	ORMDL3	cg12655416	rs8076131	G	A	0.562	0.023	0.468	2.80E-135	0.006	0.003	0.024	0.142	612.436	TRUE	1.24E-124
PEF	ORMDL3	cg18711369	rs11078916	T	C	-0.297	0.026	0.284	5.34E-30	-0.007	0.003	0.012	0.034	129.405	TRUE	4.38E-28
PEF	ORMDL3	cg18711369	rs114211283	A	T	-0.434	0.050	0.065	3.18E-18	-0.009	0.005	0.069	0.020	75.734	TRUE	3.20E-17
PEF	ORMDL3	cg18711369	rs12946335	T	C	0.699	0.115	0.019	1.36E-09	-0.014	0.009	0.115	0.010	36.705	TRUE	4.84E-09
PEF	ORMDL3	cg18711369	rs2060941	T	G	0.512	0.033	0.148	1.01E-55	0.003	0.004	0.448	0.063	247.160	TRUE	2.02E-53
PEF	ORMDL3	cg18711369	rs3826331	T	C	-0.292	0.024	0.395	5.46E-35	-0.005	0.003	0.074	0.040	152.214	TRUE	3.32E-33
PEF	ORMDL3	cg18711369	rs4065275	A	G	0.762	0.020	0.497	1.56E-302	0.007	0.003	0.003	0.275	1399.833	TRUE	1.18E-266
PEF	ORMDL3	cg18711369	rs502041	C	G	0.165	0.028	0.225	5.78E-09	-0.001	0.003	0.865	0.009	33.890	TRUE	8.20E-09
PEF	ORMDL3	cg18711369	rs534012	C	T	0.194	0.032	0.162	1.93E-09	-0.003	0.003	0.394	0.010	36.023	TRUE	4.31E-09
PEF	ORMDL3	cg18711369	rs62065258	A	G	-0.305	0.027	0.248	9.94E-29	-0.008	0.003	0.004	0.032	123.605	TRUE	9.97E-27
PEF	ORMDL3	cg18711369	rs72825201	C	A	0.346	0.050	0.061	6.05E-12	0.013	0.005	0.012	0.013	47.287	TRUE	5.09E-11
PEF	ORMDL3	cg18711369	rs72827105	G	C	0.341	0.048	0.160	1.34E-12	0.007	0.003	0.033	0.013	50.236	TRUE	9.64E-12
PEF	ORMDL3	cg18711369	rs72832972	T	C	-0.414	0.046	0.072	1.66E-19	-0.009	0.005	0.044	0.022	81.558	TRUE	2.27E-18
PEF	ORMDL3	cg18711369	rs79057213	G	C	0.564	0.048	0.061	6.53E-32	0.011	0.005	0.042	0.036	138.143	TRUE	3.81E-30
PEF	ORMDL3	cg18711369	rs79641947	T	C	-0.363	0.037	0.115	7.65E-23	0.003	0.004	0.442	0.025	96.754	TRUE	4.42E-22
PEF	ORMDL3	cg19511844	rs7502539	A	G	-0.164	0.025	0.336	7.65E-11	0.004	0.003	0.098	0.011	42.323	TRUE	3.17E-10
PEF	ORMDL3	cg22144450	rs114211283	A	T	-0.289	0.050	0.065	7.46E-09	-0.009	0.005	0.069	0.009	33.392	TRUE	2.83E-08
PEF	ORMDL3	cg22144450	rs2060941	T	G	0.389	0.033	0.148	1.26E-32	0.003	0.004	0.448	0.037	141.411	TRUE	1.76E-31
PEF	ORMDL3	cg22144450	rs2269457	C	T	-0.207	0.037	0.250	1.63E-08	-0.004	0.003	0.232	0.009	31.870	TRUE	4.18E-08
PEF	ORMDL3	cg22144450	rs4252596	A	C	-0.235	0.035	0.126	2.65E-11	0.007	0.004	0.068	0.012	44.396	TRUE	1.30E-10
PEF	ORMDL3	cg22144450	rs4795401	A	G	-0.468	0.023	0.495	1.31E-92	-0.006	0.003	0.029	0.101	416.416	TRUE	1.92E-86
PEF	ORMDL3	cg22144450	rs60082402	G	A	-0.195	0.024	0.381	3.91E-16	-0.005	0.003	0.035	0.018	66.248	TRUE	3.93E-15
PEF	ORMDL3	cg22144450	rs62065255	C	T	-0.208	0.027	0.253	2.50E-14	-0.008	0.003	0.004	0.015	58.061	TRUE	3.76E-13
PEF	ORMDL3	cg22144450	rs73985231	C	T	0.411	0.047	0.065	1.11E-18	0.009	0.005	0.078	0.021	77.815	TRUE	1.11E-17
PEF	ORMDL3	cg22144450	rs9897185	A	G	-0.168	0.027	0.251	8.00E-10	-0.004	0.003	0.177	0.010	37.739	TRUE	2.56E-09
PEF	OSBPL7	cg02206375	rs17774171	G	A	0.137	0.024	0.430	6.75E-09	0.009	0.003	3.43E-04	0.009	33.588	TRUE	7.43E-08

PEF	OSBPL7	cg09911755	rs10775406	A	G	0.213	0.027	0.243	6.49E-15	0.002	0.003	0.441	0.016	60.716	TRUE	2.06E-14
PEF	OSBPL7	cg09911755	rs11652952	T	C	0.931	0.060	0.033	3.89E-55	0.014	0.008	0.061	0.062	244.476	TRUE	4.00E-52
PEF	OSBPL7	cg09911755	rs2597177	A	G	0.138	0.025	0.335	3.02E-08	-0.008	0.003	0.003	0.008	30.676	TRUE	2.04E-07
PEF	OTUB1	cg00769843	rs140536661	G	T	-0.487	0.067	0.031	2.35E-13	0.004	0.007	0.568	0.014	53.659	TRUE	5.64E-13
PEF	OTUB1	cg03219809	rs3903058	G	A	0.533	0.067	0.031	1.70E-15	0.003	0.007	0.685	0.017	63.351	TRUE	4.12E-15
PEF	OTUB1	cg03219809	rs728919	C	T	0.175	0.023	0.447	8.01E-14	0.008	0.003	0.002	0.015	55.772	TRUE	1.32E-12
PEF	OTUB1	cg03741506	rs186618572	G	A	-0.892	0.083	0.016	1.17E-26	0.015	0.009	0.093	0.030	114.149	TRUE	2.52E-25
PEF	OTUB1	cg03741506	rs476037	A	G	-0.253	0.038	0.106	3.64E-11	0.006	0.004	0.203	0.012	43.775	TRUE	1.23E-10
PEF	OTUB1	cg03741506	rs76613471	C	T	-0.412	0.048	0.065	1.72E-17	0.003	0.006	0.629	0.019	72.400	TRUE	5.09E-17
PEF	OTUB1	cg08231730	rs320114	T	C	0.495	0.066	0.032	6.29E-14	0.004	0.007	0.545	0.015	56.249	TRUE	1.62E-13
PEF	OTUB1	cg08231730	rs483340	G	A	0.233	0.023	0.453	2.37E-23	0.008	0.003	0.002	0.026	99.075	TRUE	1.57E-21
PEF	OTUB1	cg12836303	rs112466196	A	G	-0.294	0.051	0.050	6.49E-09	0.003	0.005	0.572	0.009	33.664	TRUE	1.17E-08
PEF	OTUB1	cg12836303	rs12417157	T	C	-0.620	0.022	0.421	5.67E-174	0.008	0.003	0.003	0.176	790.276	TRUE	1.47E-157
PEF	OTUB1	cg12836303	rs143994092	C	T	0.191	0.034	0.116	2.87E-08	0.001	0.004	0.861	0.008	30.777	TRUE	3.95E-08
PEF	OTUB1	cg12836303	rs185027886	A	G	-0.378	0.069	0.025	4.28E-08	0.009	0.008	0.235	0.008	30.001	TRUE	1.05E-07
PEF	OTUB1	cg12836303	rs530063	C	T	0.175	0.024	0.407	2.17E-13	0.000	0.003	0.871	0.014	53.813	TRUE	3.80E-13
PEF	OTUB1	cg13692972	rs77631946	A	C	-0.355	0.059	0.095	1.40E-09	-0.008	0.004	0.061	0.010	36.642	TRUE	5.94E-09
PEF	P2RX4	cg11209001	rs200739133	A	T	-0.177	0.030	0.164	6.56E-09	0.018	0.034	0.604	0.009	33.643	TRUE	1.16E-08
PEF	P2RX4	cg16460342	rs25643	C	T	0.129	0.023	0.448	4.19E-08	0.004	0.003	0.103	0.008	30.045	TRUE	1.33E-07
PEF	P2RX4	cg16599007	rs2567993	C	A	0.220	0.025	0.316	6.15E-19	0.003	0.003	0.289	0.021	78.976	TRUE	3.30E-18
PEF	P2RX4	cg19357999	rs11612328	A	G	-0.329	0.057	0.122	9.00E-09	-0.005	0.004	0.155	0.009	33.028	TRUE	2.68E-08
PEF	P2RX4	cg19357999	rs117211511	A	G	0.467	0.069	0.027	1.20E-11	-0.005	0.006	0.448	0.012	45.939	TRUE	2.96E-11
PEF	P2RX4	cg19357999	rs1179460	A	G	-0.146	0.025	0.337	4.76E-09	0.001	0.003	0.641	0.009	34.267	TRUE	8.06E-09
PEF	P2RX4	cg19357999	rs1180008	T	C	0.583	0.041	0.089	5.20E-46	-0.012	0.004	0.007	0.052	202.657	TRUE	4.69E-43
PEF	P2RX4	cg19357999	rs12300459	G	A	0.235	0.039	0.094	2.32E-09	0.007	0.004	0.090	0.010	35.664	TRUE	8.66E-09
PEF	P2RX4	cg19357999	rs149059228	C	T	0.365	0.066	0.033	3.35E-08	0.005	0.007	0.527	0.008	30.479	TRUE	6.03E-08
PEF	P2RX4	cg19357999	rs182194565	T	C	0.811	0.123	0.013	4.18E-11	0.001	0.010	0.945	0.012	43.505	TRUE	6.17E-11
PEF	P2RX4	cg19357999	rs192495477	T	C	0.739	0.065	0.026	5.91E-30	0.013	0.007	0.066	0.034	129.202	TRUE	2.20E-28
PEF	P2RX4	cg19357999	rs2230776	A	G	-0.249	0.044	0.079	1.79E-08	0.003	0.005	0.464	0.008	31.698	TRUE	3.48E-08
PEF	P2RX4	cg19357999	rs2252298	A	G	0.602	0.050	0.053	7.05E-33	0.011	0.006	0.044	0.037	142.563	TRUE	4.51E-31
PEF	P2RX4	cg19357999	rs2303998	A	G	0.842	0.091	0.017	1.39E-20	-0.006	0.009	0.538	0.023	86.457	TRUE	5.78E-20
PEF	P2RX4	cg19357999	rs2567984	G	A	-0.183	0.024	0.365	4.19E-14	-0.002	0.003	0.428	0.015	57.048	TRUE	1.27E-13
PEF	P2RX4	cg19357999	rs2567994	G	A	0.824	0.022	0.320	<1E-200	0.003	0.003	0.273	0.278	1423.806	TRUE	9.76E-274
PEF	P2RX4	cg19357999	rs2668249	T	C	0.500	0.025	0.269	1.74E-86	0.000	0.003	0.917	0.095	388.304	TRUE	1.18E-82
PEF	P2RX4	cg19357999	rs2686386	C	T	-0.267	0.029	0.197	5.03E-20	0.000	0.003	0.890	0.022	83.923	TRUE	1.26E-19
PEF	P2RX4	cg19357999	rs56050444	G	A	-0.365	0.026	0.283	4.12E-45	-0.002	0.006	0.717	0.051	198.538	TRUE	1.22E-43
PEF	P2RX4	cg19357999	rs56361557	A	G	0.933	0.140	0.016	2.56E-11	-0.024	0.010	0.022	0.012	44.461	TRUE	1.73E-10
PEF	P2RX4	cg19357999	rs615434	G	A	0.209	0.038	0.111	4.79E-08	-0.003	0.004	0.476	0.008	29.785	TRUE	8.99E-08
PEF	P2RX4	cg19357999	rs61953351	T	G	-0.196	0.027	0.243	5.31E-13	-0.010	0.003	4.07E-04	0.014	52.058	TRUE	1.09E-11
PEF	P2RX4	cg19357999	rs686638	T	C	0.149	0.025	0.325	3.51E-09	0.006	0.003	0.039	0.009	34.858	TRUE	1.58E-08
PEF	P2RX4	cg19357999	rs73214164	C	T	0.250	0.030	0.191	9.92E-17	-0.007	0.003	0.036	0.018	68.947	TRUE	1.08E-15
PEF	P2RX4	cg20966272	rs3815990	T	G	0.614	0.050	0.052	9.79E-35	0.012	0.006	0.041	0.039	151.055	TRUE	8.40E-33

PEF	P2RX7	cg00364287	rs10849846	C	T	0.990	0.053	0.049	6.47E-77	0.005	0.006	0.400	0.085	344.377	TRUE	3.46E-73
PEF	P2RX7	cg00364287	rs185803657	A	G	0.642	0.074	0.021	2.56E-18	-0.007	0.008	0.360	0.020	76.159	TRUE	1.17E-17
PEF	P2RX7	cg00364287	rs2567979	T	G	0.254	0.031	0.174	2.29E-16	0.008	0.003	0.013	0.018	67.299	TRUE	3.27E-15
PEF	P2RX7	cg00364287	rs2668254	T	C	0.139	0.024	0.487	4.79E-09	0.001	0.003	0.593	0.009	34.255	TRUE	8.70E-09
PEF	P2RX7	cg00364287	rs73214168	C	T	0.155	0.028	0.235	1.89E-08	-0.004	0.003	0.129	0.008	31.588	TRUE	5.78E-08
PEF	P2RX7	cg05835635	rs11065420	C	T	-0.246	0.033	0.142	1.13E-13	0.008	0.004	0.020	0.015	55.100	TRUE	1.05E-12
PEF	P2RX7	cg05835635	rs1180009	G	C	-0.632	0.033	0.131	2.37E-80	-0.006	0.004	0.089	0.089	360.147	TRUE	1.13E-75
PEF	P2RX7	cg05835635	rs146718874	A	G	-0.416	0.075	0.023	2.99E-08	-0.007	0.008	0.346	0.008	30.695	TRUE	6.44E-08
PEF	P2RX7	cg05835635	rs1718125	T	C	-0.869	0.034	0.123	4.32E-143	0.007	0.004	0.086	0.149	648.334	TRUE	3.94E-132
PEF	P2RX7	cg05835635	rs208296	A	G	0.275	0.025	0.324	5.09E-28	-0.004	0.003	0.126	0.032	120.368	TRUE	1.05E-26
PEF	P2RX7	cg05835635	rs2303998	A	G	-0.653	0.090	0.017	4.67E-13	-0.006	0.009	0.538	0.014	52.311	TRUE	1.14E-12
PEF	P2RX7	cg05835635	rs2393844	A	G	-0.514	0.040	0.101	3.22E-38	0.002	0.004	0.635	0.043	166.986	TRUE	5.24E-37
PEF	P2RX7	cg05835635	rs2567990	A	G	-0.508	0.055	0.056	1.54E-20	0.008	0.006	0.167	0.023	86.257	TRUE	1.31E-19
PEF	P2RX7	cg05835635	rs28360463	A	C	-0.333	0.034	0.135	3.86E-22	0.003	0.004	0.354	0.025	93.550	TRUE	2.43E-21
PEF	P2RX7	cg05835635	rs3751143	C	A	0.181	0.031	0.177	3.53E-09	-0.003	0.003	0.435	0.009	34.850	TRUE	7.43E-09
PEF	P2RX7	cg05835635	rs3850518	A	G	0.235	0.028	0.234	2.34E-17	-0.001	0.003	0.645	0.019	71.797	TRUE	6.71E-17
PEF	P2RX7	cg05835635	rs4403877	A	G	0.224	0.041	0.094	4.01E-08	-0.004	0.004	0.427	0.008	30.129	TRUE	7.88E-08
PEF	P2RX7	cg05835635	rs4980988	C	T	-0.327	0.055	0.047	2.88E-09	-0.001	0.006	0.856	0.009	35.243	TRUE	4.18E-09
PEF	P2RX7	cg05835635	rs514108	C	T	-0.367	0.032	0.159	2.52E-31	-0.007	0.003	0.056	0.035	135.463	TRUE	1.18E-29
PEF	P2RX7	cg05835635	rs6489787	G	A	0.148	0.025	0.328	2.25E-09	0.005	0.003	0.046	0.010	35.724	TRUE	1.01E-08
PEF	P2RX7	cg05835635	rs651606	A	G	-0.221	0.038	0.106	7.82E-09	0.000	0.004	0.966	0.009	33.302	TRUE	1.03E-08
PEF	P2RX7	cg05835635	rs77728240	T	G	-0.566	0.081	0.020	3.51E-12	-0.016	0.008	0.031	0.013	48.353	TRUE	2.41E-11
PEF	P2RX7	cg07203561	rs10849846	C	T	0.979	0.053	0.049	1.31E-75	0.005	0.006	0.400	0.084	338.376	TRUE	5.65E-72
PEF	P2RX7	cg07203561	rs146718874	A	G	0.627	0.075	0.023	5.12E-17	-0.007	0.008	0.346	0.019	70.251	TRUE	2.15E-16
PEF	P2RX7	cg07203561	rs1796404	A	C	-0.156	0.027	0.258	4.53E-09	-0.003	0.003	0.357	0.009	34.364	TRUE	1.03E-08
PEF	P2RX7	cg07203561	rs2567979	T	G	0.265	0.031	0.174	9.11E-18	0.008	0.003	0.013	0.020	73.656	TRUE	1.54E-16
PEF	P2RX7	cg07203561	rs2668254	T	C	0.131	0.024	0.487	3.43E-08	0.001	0.003	0.593	0.008	30.434	TRUE	5.91E-08
PEF	P2RX7	cg07203561	rs28360475	G	A	0.165	0.027	0.234	1.89E-09	-0.005	0.003	0.125	0.010	36.064	TRUE	6.51E-09
PEF	P2RX7	cg07602200	rs10849846	C	T	0.640	0.054	0.049	1.09E-32	0.005	0.006	0.400	0.037	141.698	TRUE	1.64E-31
PEF	P2RX7	cg08688169	rs2393799	T	C	-0.356	0.027	0.247	2.17E-40	-0.005	0.003	0.114	0.046	176.918	TRUE	2.01E-38
PEF	P2RX7	cg08688169	rs73214164	C	T	-0.177	0.030	0.191	2.50E-09	-0.007	0.003	0.036	0.010	35.521	TRUE	1.18E-08
PEF	P2RX7	cg10852165	rs10849846	C	T	0.799	0.054	0.049	6.63E-50	0.005	0.006	0.400	0.056	220.500	TRUE	6.79E-48
PEF	P2RX7	cg10852165	rs146718874	A	G	0.419	0.075	0.023	2.34E-08	-0.007	0.008	0.346	0.008	31.171	TRUE	5.07E-08
PEF	P2RX7	cg10852165	rs208278	G	A	-0.261	0.030	0.197	1.11E-18	-0.006	0.003	0.039	0.021	77.811	TRUE	1.46E-17
PEF	P2RX7	cg10852165	rs208298	A	G	-0.153	0.025	0.314	1.72E-09	0.006	0.003	0.021	0.010	36.249	TRUE	9.37E-09
PEF	P2RX7	cg10852165	rs2567979	T	G	0.187	0.031	0.174	1.68E-09	0.008	0.003	0.013	0.010	36.291	TRUE	1.02E-08
PEF	P2RX7	cg10901569	rs1169299	C	T	-0.129	0.023	0.467	2.91E-08	0.000	0.003	0.924	0.008	30.747	TRUE	3.82E-08
PEF	P2RX7	cg10901569	rs12301635	G	C	-0.263	0.042	0.085	4.35E-10	-0.003	0.004	0.529	0.010	38.929	TRUE	8.84E-10
PEF	P2RX7	cg10901569	rs2686369	T	C	-0.644	0.044	0.078	1.48E-49	0.010	0.005	0.028	0.056	218.898	TRUE	1.10E-46
PEF	P2RX7	cg10901569	rs75326667	T	C	-0.476	0.071	0.026	2.26E-11	0.015	0.008	0.054	0.012	44.708	TRUE	1.21E-10
PEF	P2RX7	cg12121075	rs11065394	G	A	0.259	0.029	0.206	2.76E-19	-0.008	0.003	0.013	0.021	80.559	TRUE	5.68E-18
PEF	P2RX7	cg12121075	rs11065420	C	T	-0.264	0.033	0.142	2.00E-15	0.008	0.004	0.020	0.017	63.030	TRUE	2.29E-14

PEF	P2RX7	cg12121075	rs117281184	A	G	-0.898	0.161	0.011	2.46E-08	0.003	0.012	0.771	0.008	31.077	TRUE	3.65E-08
PEF	P2RX7	cg12121075	rs142778000	A	G	-0.747	0.076	0.018	1.28E-22	-0.002	0.009	0.784	0.025	95.729	TRUE	4.43E-22
PEF	P2RX7	cg12121075	rs148662934	C	T	-0.211	0.035	0.109	2.29E-09	-0.005	0.004	0.183	0.010	35.693	TRUE	6.76E-09
PEF	P2RX7	cg12121075	rs1653595	G	A	0.199	0.027	0.239	2.86E-13	-0.002	0.003	0.551	0.014	53.271	TRUE	6.98E-13
PEF	P2RX7	cg12121075	rs1653604	C	T	-0.578	0.022	0.473	3.65E-148	0.003	0.003	0.274	0.154	671.648	TRUE	2.93E-137
PEF	P2RX7	cg12121075	rs1718125	T	C	-0.477	0.035	0.123	1.55E-41	0.007	0.004	0.086	0.047	182.167	TRUE	1.97E-39
PEF	P2RX7	cg12121075	rs2673623	G	A	0.158	0.024	0.397	5.60E-11	0.000	0.003	0.875	0.011	42.932	TRUE	8.69E-11
PEF	P2RX7	cg12121075	rs3751144	T	C	-0.983	0.042	0.081	2.88E-123	0.001	0.005	0.835	0.131	557.240	TRUE	4.32E-116
PEF	P2RX7	cg12121075	rs3794205	A	G	0.301	0.025	0.307	2.34E-32	-0.003	0.003	0.273	0.037	140.178	TRUE	4.76E-31
PEF	P2RX7	cg12121075	rs55728984	T	C	-0.266	0.042	0.087	1.74E-10	-0.012	0.004	0.006	0.011	40.722	TRUE	1.41E-09
PEF	P2RX7	cg12121075	rs76003406	T	C	0.314	0.051	0.057	5.62E-10	-0.010	0.006	0.091	0.010	38.428	TRUE	2.23E-09
PEF	P2RX7	cg22867729	rs11065472	A	G	0.163	0.026	0.293	2.23E-10	-0.004	0.003	0.180	0.011	40.229	TRUE	7.24E-10
PEF	P2RX7	cg26656658	rs11065394	G	A	0.270	0.029	0.206	5.87E-21	-0.008	0.003	0.013	0.023	88.167	TRUE	1.48E-19
PEF	P2RX7	cg26656658	rs11065420	C	T	-0.292	0.033	0.142	1.57E-18	0.008	0.004	0.020	0.020	77.126	TRUE	2.58E-17
PEF	P2RX7	cg26656658	rs1140886	C	T	0.160	0.026	0.263	1.16E-09	0.001	0.003	0.684	0.010	37.014	TRUE	2.00E-09
PEF	P2RX7	cg26656658	rs12301635	G	C	-0.234	0.042	0.085	3.40E-08	-0.003	0.004	0.529	0.008	30.449	TRUE	6.13E-08
PEF	P2RX7	cg26656658	rs142778000	A	G	-0.759	0.076	0.018	3.06E-23	-0.002	0.009	0.784	0.026	98.566	TRUE	1.10E-22
PEF	P2RX7	cg26656658	rs1653609	C	A	-0.620	0.022	0.474	5.16E-175	0.003	0.003	0.247	0.177	795.061	TRUE	1.27E-160
PEF	P2RX7	cg26656658	rs1718125	T	C	-0.546	0.035	0.123	2.81E-54	0.007	0.004	0.086	0.061	240.539	TRUE	2.02E-51
PEF	P2RX7	cg26656658	rs208302	A	G	-0.238	0.027	0.235	2.29E-18	0.008	0.003	0.008	0.020	76.384	TRUE	4.80E-17
PEF	P2RX7	cg26656658	rs2686346	T	C	0.274	0.032	0.455	4.96E-18	-0.002	0.003	0.407	0.020	74.856	TRUE	2.09E-17
PEF	P2RX7	cg26656658	rs28360453	T	C	0.306	0.050	0.060	1.33E-09	-0.005	0.005	0.348	0.010	36.755	TRUE	3.17E-09
PEF	P2RX7	cg26656658	rs3751144	T	C	-0.923	0.042	0.081	8.10E-108	0.001	0.005	0.835	0.116	486.267	TRUE	4.03E-102
PEF	P2RX7	cg26656658	rs3794205	A	G	0.346	0.025	0.307	1.07E-42	-0.003	0.003	0.273	0.048	187.490	TRUE	6.80E-41
PEF	P2RX7	cg26656658	rs55728984	T	C	-0.240	0.042	0.087	7.76E-09	-0.012	0.004	0.006	0.009	33.317	TRUE	5.00E-08
PEF	P2RX7	cg26656658	rs76003406	T	C	0.407	0.050	0.057	7.42E-16	-0.010	0.006	0.091	0.017	64.984	TRUE	5.31E-15
PEF	P2RX7	cg26656658	rs7957752	G	A	-0.151	0.025	0.338	1.48E-09	0.001	0.003	0.838	0.010	36.538	TRUE	2.19E-09
PEF	P4HTM	cg08455380	rs6446218	A	T	-0.198	0.025	0.315	1.09E-15	0.011	0.003	4.49E-05	0.017	64.227	TRUE	5.48E-14
PEF	PAFAH1B2	cg01368799	rs10400366	G	A	-0.858	0.021	0.384	<1E-200	0.007	0.003	0.010	0.320	1737.035	TRUE	<1E-200
PEF	PAFAH1B2	cg01368799	rs1056136	G	T	-0.331	0.030	0.187	1.05E-27	0.002	0.003	0.506	0.031	118.931	TRUE	8.18E-27
PEF	PAFAH1B2	cg01368799	rs10790164	A	G	-0.474	0.073	0.029	7.55E-11	0.010	0.007	0.152	0.011	42.347	TRUE	2.73E-10
PEF	PAFAH1B2	cg01368799	rs112009211	T	C	0.371	0.053	0.046	1.74E-12	-0.009	0.006	0.120	0.013	49.735	TRUE	8.07E-12
PEF	PAFAH1B2	cg01368799	rs112333700	T	C	-0.548	0.063	0.037	3.85E-18	-0.008	0.007	0.231	0.020	75.355	TRUE	2.22E-17
PEF	PAFAH1B2	cg01368799	rs118138924	G	C	-0.643	0.057	0.041	8.30E-30	0.012	0.006	0.041	0.034	128.529	TRUE	3.76E-28
PEF	PAFAH1B2	cg01368799	rs12804297	A	G	0.302	0.048	0.061	2.75E-10	-0.006	0.005	0.223	0.011	39.824	TRUE	8.24E-10
PEF	PAFAH1B2	cg01368799	rs139447106	T	C	-0.551	0.054	0.046	1.02E-24	-0.012	0.006	0.045	0.028	105.308	TRUE	2.46E-23
PEF	PAFAH1B2	cg01368799	rs189189723	T	G	0.451	0.072	0.032	3.01E-10	0.000	0.007	0.953	0.011	39.646	TRUE	4.23E-10
PEF	PAFAH1B2	cg01368799	rs2075295	C	T	-0.236	0.027	0.256	6.89E-19	0.007	0.003	0.019	0.021	78.752	TRUE	1.16E-17
PEF	PAFAH1B2	cg01368799	rs4938337	T	A	0.358	0.047	0.121	3.50E-14	0.005	0.004	0.182	0.015	57.398	TRUE	1.61E-13
PEF	PAFAH1B2	cg01368799	rs538691858	T	C	-0.651	0.085	0.022	1.84E-14	0.020	0.009	0.024	0.016	58.663	TRUE	1.76E-13
PEF	PAFAH1B2	cg01368799	rs564674	T	C	-0.145	0.024	0.398	9.33E-10	-0.004	0.003	0.114	0.010	37.440	TRUE	3.36E-09
PEF	PAFAH1B2	cg01368799	rs6589557	T	C	-0.286	0.025	0.298	2.46E-29	0.004	0.003	0.206	0.033	126.377	TRUE	4.31E-28

PEF	PAFAH1B2	cg01368799	rs664059	C	T	-0.230	0.023	0.475	1.15E-22	0.004	0.003	0.126	0.025	95.950	TRUE	1.43E-21
PEF	PAFAH1B2	cg01368799	rs71480323	A	G	0.313	0.037	0.116	3.73E-17	-0.004	0.004	0.282	0.019	70.878	TRUE	1.79E-16
PEF	PAFAH1B2	cg01368799	rs74853011	G	C	-0.377	0.053	0.053	1.43E-12	0.001	0.006	0.865	0.013	50.113	TRUE	2.43E-12
PEF	PAFAH1B2	cg01368799	rs75216569	G	A	-0.493	0.051	0.061	4.33E-22	0.019	0.006	6.62E-04	0.025	93.324	TRUE	3.03E-20
PEF	PAFAH1B2	cg10398005	rs2735181	C	T	0.174	0.024	0.382	4.63E-13	0.007	0.003	0.011	0.014	52.328	TRUE	4.64E-12
PEF	PAFAH1B2	cg10779718	rs10790164	A	G	-0.638	0.073	0.029	2.03E-18	0.010	0.007	0.152	0.020	76.621	TRUE	1.47E-17
PEF	PAFAH1B2	cg10779718	rs10892007	T	C	-0.333	0.040	0.096	1.53E-16	-0.001	0.004	0.865	0.018	68.099	TRUE	3.19E-16
PEF	PAFAH1B2	cg10779718	rs112009211	T	C	0.412	0.053	0.046	5.96E-15	-0.009	0.006	0.120	0.016	60.881	TRUE	3.51E-14
PEF	PAFAH1B2	cg10779718	rs11216136	G	T	-0.315	0.032	0.168	2.09E-23	0.011	0.003	0.002	0.026	99.319	TRUE	1.42E-21
PEF	PAFAH1B2	cg10779718	rs12970	A	G	-0.591	0.051	0.062	4.44E-31	0.019	0.005	2.93E-04	0.035	134.340	TRUE	1.47E-28
PEF	PAFAH1B2	cg10779718	rs138378173	A	G	-0.533	0.081	0.023	4.13E-11	0.010	0.010	0.327	0.012	43.528	TRUE	1.13E-10
PEF	PAFAH1B2	cg10779718	rs1784041	T	C	0.442	0.046	0.132	1.64E-21	-0.002	0.004	0.539	0.024	90.690	TRUE	7.32E-21
PEF	PAFAH1B2	cg10779718	rs189189723	T	G	0.500	0.072	0.032	2.92E-12	0.000	0.007	0.953	0.013	48.715	TRUE	4.49E-12
PEF	PAFAH1B2	cg10779718	rs2070669	C	G	-0.192	0.026	0.267	3.45E-13	-0.003	0.003	0.343	0.014	52.907	TRUE	1.10E-12
PEF	PAFAH1B2	cg10779718	rs2509212	G	C	0.187	0.025	0.348	3.52E-14	0.000	0.003	0.994	0.015	57.390	TRUE	5.69E-14
PEF	PAFAH1B2	cg10779718	rs3891896	G	T	-0.186	0.029	0.191	3.07E-10	0.000	0.003	0.978	0.011	39.606	TRUE	4.24E-10
PEF	PAFAH1B2	cg10779718	rs4938337	T	A	0.418	0.048	0.121	1.44E-18	0.005	0.004	0.182	0.020	77.296	TRUE	9.86E-18
PEF	PAFAH1B2	cg10779718	rs4938355	G	A	-0.733	0.032	0.157	1.11E-117	0.010	0.004	0.004	0.126	531.570	TRUE	2.18E-108
PEF	PAFAH1B2	cg10779718	rs558056	T	G	0.249	0.024	0.379	4.00E-25	0.000	0.003	0.992	0.028	107.152	TRUE	1.23E-24
PEF	PAFAH1B2	cg10779718	rs558229	G	A	-0.406	0.030	0.186	4.26E-41	0.001	0.003	0.665	0.046	180.158	TRUE	8.84E-40
PEF	PAFAH1B2	cg10779718	rs59781045	T	C	-0.664	0.046	0.066	1.55E-47	-0.010	0.005	0.055	0.054	209.650	TRUE	5.80E-45
PEF	PAFAH1B2	cg10779718	rs6589557	T	C	-0.355	0.025	0.298	3.41E-44	0.004	0.003	0.206	0.050	194.339	TRUE	3.16E-42
PEF	PAFAH1B2	cg10779718	rs71480323	A	G	0.399	0.037	0.116	7.90E-27	-0.004	0.004	0.282	0.030	114.930	TRUE	8.93E-26
PEF	PAFAH1B2	cg10779718	rs73012959	T	C	-0.514	0.083	0.042	5.07E-10	0.007	0.007	0.319	0.010	38.630	TRUE	1.28E-09
PEF	PAFAH1B2	cg10779718	rs7396061	A	C	-0.847	0.021	0.344	<1E-200	0.008	0.003	0.004	0.296	1553.425	TRUE	6.20E-293
PEF	PAFAH1B2	cg10779718	rs76380380	G	C	-0.718	0.115	0.027	3.76E-10	-0.011	0.008	0.179	0.010	39.213	TRUE	1.22E-09
PEF	PAFAH1B2	cg13046003	rs117117915	T	C	-0.900	0.089	0.021	8.04E-24	-0.001	0.009	0.919	0.027	101.212	TRUE	2.52E-23
PEF	PAFAH1B2	cg13046003	rs12271743	C	T	-1.031	0.063	0.036	1.01E-60	-0.008	0.007	0.271	0.068	270.088	TRUE	6.84E-58
PEF	PAFAH1B2	cg21014238	rs111519461	A	T	-0.636	0.099	0.028	1.08E-10	0.023	0.008	0.004	0.011	41.648	TRUE	9.87E-10
PEF	PAFAH1B2	cg21014238	rs11216109	G	C	-0.196	0.028	0.213	5.40E-12	0.005	0.003	0.126	0.013	47.509	TRUE	2.37E-11
PEF	PAFAH1B2	cg21014238	rs11604424	C	T	-0.194	0.029	0.196	2.73E-11	0.006	0.003	0.042	0.012	44.341	TRUE	1.59E-10
PEF	PAFAH1B2	cg21014238	rs117315666	T	G	-0.373	0.053	0.048	1.87E-12	-0.003	0.006	0.675	0.013	49.587	TRUE	3.78E-12
PEF	PAFAH1B2	cg21014238	rs12282721	A	G	-0.206	0.037	0.099	2.22E-08	-0.004	0.004	0.294	0.008	31.275	TRUE	5.15E-08
PEF	PAFAH1B2	cg21014238	rs139447106	T	C	-0.312	0.053	0.046	4.76E-09	-0.012	0.006	0.045	0.009	34.268	TRUE	2.06E-08
PEF	PAFAH1B2	cg21014238	rs1787688	C	T	0.144	0.024	0.341	3.15E-09	0.000	0.003	0.988	0.009	35.069	TRUE	4.09E-09
PEF	PAFAH1B2	cg21014238	rs2735181	C	T	-0.636	0.021	0.382	1.80E-196	0.007	0.003	0.011	0.195	893.703	TRUE	2.88E-177
PEF	PAFAH1B2	cg21014238	rs493173	A	G	0.321	0.045	0.129	1.24E-12	0.004	0.004	0.342	0.013	50.393	TRUE	3.74E-12
PEF	PAFAH1B2	cg21014238	rs61906491	A	G	-0.398	0.053	0.144	7.98E-14	0.001	0.004	0.721	0.015	55.779	TRUE	1.69E-13
PEF	PAFAH1B2	cg21014238	rs71480323	A	G	0.202	0.037	0.116	4.67E-08	-0.004	0.004	0.282	0.008	29.834	TRUE	1.07E-07
PEF	PAFAH1B2	cg21014238	rs73006533	A	G	0.450	0.069	0.055	5.49E-11	-0.007	0.006	0.185	0.011	42.972	TRUE	1.88E-10
PEF	PAFAH1B2	cg21014238	rs73023045	G	A	0.310	0.048	0.117	1.29E-10	0.000	0.004	0.935	0.011	41.296	TRUE	1.87E-10
PEF	PAFAH1B2	cg21014238	rs75216569	G	A	-0.357	0.051	0.061	1.64E-12	0.019	0.006	6.62E-04	0.013	49.847	TRUE	2.81E-11

PEF	PARP1	cg02088626	rs10916003	T	C	0.158	0.027	0.254	4.42E-09	-0.001	0.003	0.863	0.009	34.412	TRUE	6.34E-09
PEF	PARP1	cg02088626	rs114745683	A	G	-0.388	0.062	0.037	3.03E-10	-0.017	0.006	0.007	0.011	39.633	TRUE	2.39E-09
PEF	PARP1	cg02088626	rs1299858	T	C	-0.189	0.027	0.229	6.70E-12	-0.005	0.003	0.096	0.013	47.088	TRUE	3.09E-11
PEF	PARP1	cg02088626	rs2048426	T	C	-0.449	0.024	0.325	2.99E-76	-0.006	0.003	0.029	0.084	341.327	TRUE	1.75E-71
PEF	PARP1	cg17127702	rs1017767	A	G	-0.287	0.044	0.070	4.06E-11	0.010	0.005	0.039	0.012	43.561	TRUE	2.31E-10
PEF	PARP1	cg17127702	rs10915983	C	T	0.208	0.024	0.425	1.20E-18	0.002	0.003	0.487	0.021	77.650	TRUE	4.62E-18
PEF	PARP1	cg17127702	rs10915988	G	A	-0.267	0.028	0.246	3.24E-22	0.003	0.003	0.389	0.025	93.894	TRUE	1.94E-21
PEF	PARP1	cg17127702	rs114745683	A	G	0.809	0.062	0.037	1.18E-38	-0.017	0.006	0.007	0.044	168.975	TRUE	3.94E-36
PEF	PARP1	cg17127702	rs11583820	A	G	0.800	0.077	0.022	2.62E-25	-0.001	0.007	0.881	0.028	107.995	TRUE	9.61E-25
PEF	PARP1	cg17127702	rs116200806	A	G	-0.376	0.058	0.045	9.05E-11	-0.006	0.006	0.346	0.011	41.993	TRUE	2.38E-10
PEF	PARP1	cg17127702	rs12035052	A	G	-0.159	0.029	0.215	4.10E-08	0.003	0.003	0.326	0.008	30.087	TRUE	8.88E-08
PEF	PARP1	cg17127702	rs12067270	T	C	-0.187	0.027	0.237	9.89E-12	-0.001	0.003	0.638	0.012	46.325	TRUE	1.99E-11
PEF	PARP1	cg17127702	rs12122761	T	C	-0.181	0.030	0.179	1.16E-09	0.001	0.003	0.670	0.010	37.015	TRUE	2.03E-09
PEF	PARP1	cg17127702	rs12134025	A	C	-0.158	0.028	0.209	1.93E-08	0.004	0.003	0.209	0.008	31.550	TRUE	5.09E-08
PEF	PARP1	cg17127702	rs12751898	T	C	0.230	0.024	0.410	6.97E-22	-0.004	0.003	0.092	0.024	92.380	TRUE	8.81E-21
PEF	PARP1	cg17127702	rs1288460	T	C	0.183	0.029	0.224	1.55E-10	-0.004	0.003	0.252	0.011	40.943	TRUE	4.60E-10
PEF	PARP1	cg17127702	rs149905768	A	G	0.344	0.049	0.059	1.64E-12	-0.008	0.005	0.107	0.013	49.843	TRUE	7.90E-12
PEF	PARP1	cg17127702	rs16846167	T	C	0.196	0.032	0.153	1.29E-09	-0.004	0.004	0.242	0.010	36.807	TRUE	3.50E-09
PEF	PARP1	cg17127702	rs360069	A	T	-0.168	0.026	0.311	7.00E-11	0.006	0.003	0.026	0.011	42.495	TRUE	4.42E-10
PEF	PARP1	cg17127702	rs4653728	T	C	1.162	0.028	0.146	<1E-200	-0.010	0.004	0.005	0.315	1700.122	TRUE	<1E-200
PEF	PARP1	cg17127702	rs4653747	G	A	-0.262	0.025	0.312	8.23E-25	0.001	0.003	0.602	0.028	105.726	TRUE	4.29E-24
PEF	PARP1	cg17127702	rs56113429	A	C	0.291	0.041	0.085	8.35E-13	-0.009	0.004	0.030	0.014	51.170	TRUE	6.08E-12
PEF	PARP1	cg17127702	rs6426092	G	C	0.182	0.024	0.408	3.32E-14	-0.001	0.003	0.625	0.015	57.502	TRUE	7.97E-14
PEF	PARP1	cg17127702	rs72757073	C	G	-0.276	0.037	0.116	1.11E-13	-0.001	0.004	0.824	0.015	55.133	TRUE	2.07E-13
PEF	PARP1	cg17127702	rs72762702	C	A	0.404	0.058	0.043	4.48E-12	0.001	0.006	0.875	0.013	47.875	TRUE	7.36E-12
PEF	PARP1	cg17127702	rs747659	T	C	-0.519	0.031	0.170	3.59E-62	0.001	0.003	0.744	0.070	276.735	TRUE	8.14E-60
PEF	PARP1	cg18022357	rs4653731	A	G	0.250	0.031	0.169	7.33E-16	0.001	0.003	0.747	0.017	65.008	TRUE	1.69E-15
PEF	PARP1	cg18590995	rs114745683	A	G	0.400	0.062	0.037	8.66E-11	-0.017	0.006	0.007	0.011	42.081	TRUE	7.35E-10
PEF	PARP1	cg18590995	rs11583820	A	G	0.453	0.076	0.022	2.25E-09	-0.001	0.007	0.881	0.010	35.727	TRUE	3.23E-09
PEF	PARP1	cg18590995	rs3219104	A	C	0.396	0.032	0.151	1.12E-34	-0.011	0.004	0.002	0.039	150.785	TRUE	3.10E-32
PEF	PARP1	cg23712594	rs1017767	A	G	-0.286	0.043	0.070	4.65E-11	0.010	0.005	0.039	0.012	43.296	TRUE	2.63E-10
PEF	PARP1	cg23712594	rs10915988	G	A	-0.153	0.028	0.246	3.10E-08	0.003	0.003	0.389	0.008	30.626	TRUE	6.39E-08
PEF	PARP1	cg23712594	rs114745683	A	G	0.457	0.063	0.037	3.13E-13	-0.017	0.006	0.007	0.014	53.095	TRUE	3.69E-12
PEF	PARP1	cg23712594	rs12751898	T	C	0.145	0.024	0.410	1.51E-09	-0.004	0.003	0.092	0.010	36.501	TRUE	5.59E-09
PEF	PARP1	cg23712594	rs1991865	A	G	-0.370	0.031	0.170	4.90E-32	0.001	0.003	0.780	0.036	138.713	TRUE	3.49E-31
PEF	PARP1	cg23712594	rs3219104	A	C	0.604	0.032	0.151	1.38E-77	-0.011	0.004	0.002	0.086	347.453	TRUE	4.96E-72
PEF	PARP1	cg24937136	rs1017767	A	G	-0.572	0.043	0.070	3.61E-40	0.010	0.005	0.039	0.045	175.909	TRUE	6.13E-38
PEF	PARP1	cg24937136	rs10915983	C	T	0.213	0.024	0.425	1.38E-19	0.002	0.003	0.487	0.022	81.928	TRUE	5.69E-19
PEF	PARP1	cg24937136	rs114745683	A	G	0.885	0.062	0.037	3.83E-46	-0.017	0.006	0.007	0.052	203.267	TRUE	3.77E-43
PEF	PARP1	cg24937136	rs11577545	T	C	0.166	0.029	0.210	9.05E-09	-0.003	0.003	0.329	0.009	33.018	TRUE	2.06E-08
PEF	PARP1	cg24937136	rs11579988	C	T	0.190	0.028	0.227	1.95E-11	-0.001	0.003	0.838	0.012	44.994	TRUE	3.20E-11
PEF	PARP1	cg24937136	rs11583426	G	C	0.143	0.024	0.404	2.45E-09	0.000	0.003	0.865	0.010	35.560	TRUE	3.52E-09

PEF	PARP1	cg24937136	rs11583820	A	G	0.784	0.077	0.022	1.83E-24	-0.001	0.007	0.881	0.027	104.147	TRUE	6.31E-24
PEF	PARP1	cg24937136	rs116200806	A	G	-0.667	0.058	0.045	3.99E-31	-0.006	0.006	0.346	0.035	134.549	TRUE	5.93E-30
PEF	PARP1	cg24937136	rs12134025	A	C	-0.257	0.028	0.209	5.14E-20	0.004	0.003	0.209	0.022	83.880	TRUE	3.75E-19
PEF	PARP1	cg24937136	rs1219667	A	G	-0.268	0.040	0.085	1.39E-11	0.004	0.004	0.334	0.012	45.652	TRUE	3.90E-11
PEF	PARP1	cg24937136	rs1288460	T	C	0.170	0.029	0.224	2.92E-09	-0.004	0.003	0.252	0.009	35.214	TRUE	7.81E-09
PEF	PARP1	cg24937136	rs149905768	A	G	0.345	0.049	0.059	1.38E-12	-0.008	0.005	0.107	0.013	50.181	TRUE	6.70E-12
PEF	PARP1	cg24937136	rs150096442	A	G	-0.724	0.084	0.023	1.03E-17	-0.003	0.008	0.731	0.019	73.414	TRUE	2.72E-17
PEF	PARP1	cg24937136	rs17521099	G	A	-0.246	0.041	0.086	2.13E-09	0.005	0.005	0.289	0.010	35.828	TRUE	5.42E-09
PEF	PARP1	cg24937136	rs1870927	T	A	0.186	0.024	0.371	1.30E-14	-0.006	0.003	0.029	0.016	59.346	TRUE	1.17E-13
PEF	PARP1	cg24937136	rs2246221	G	A	-0.134	0.023	0.497	8.81E-09	0.006	0.003	0.021	0.009	33.070	TRUE	4.45E-08
PEF	PARP1	cg24937136	rs4149225	G	A	-0.164	0.025	0.354	2.91E-11	0.000	0.003	0.997	0.012	44.214	TRUE	4.11E-11
PEF	PARP1	cg24937136	rs4653728	T	C	1.184	0.028	0.146	<1E-200	-0.010	0.004	0.005	0.323	1762.711	TRUE	<1E-200
PEF	PARP1	cg24937136	rs4653747	G	A	-0.316	0.025	0.312	1.28E-35	0.001	0.003	0.602	0.040	155.092	TRUE	1.73E-34
PEF	PARP1	cg24937136	rs56306726	C	T	0.349	0.040	0.085	6.27E-18	-0.009	0.004	0.030	0.020	74.394	TRUE	8.12E-17
PEF	PARP1	cg24937136	rs584297	T	C	0.204	0.024	0.424	5.92E-18	-0.004	0.003	0.086	0.020	74.506	TRUE	5.34E-17
PEF	PARP1	cg24937136	rs58787117	G	A	-0.374	0.038	0.103	1.04E-22	0.002	0.004	0.574	0.025	96.141	TRUE	4.75E-22
PEF	PARP1	cg24937136	rs6668379	C	T	-0.332	0.028	0.241	1.55E-33	-0.001	0.003	0.770	0.038	145.573	TRUE	1.31E-32
PEF	PARP1	cg24937136	rs697839	C	T	-0.176	0.024	0.480	2.85E-13	-0.002	0.003	0.469	0.014	53.281	TRUE	7.60E-13
PEF	PARP1	cg24937136	rs72762702	C	A	0.372	0.058	0.043	1.71E-10	0.001	0.006	0.875	0.011	40.753	TRUE	2.60E-10
PEF	PARP1	cg24937136	rs75770789	A	G	-0.338	0.030	0.181	2.98E-30	0.001	0.003	0.892	0.034	130.564	TRUE	1.60E-29
PEF	PARP1	cg24937136	rs878367	T	C	-1.049	0.027	0.169	<1E-200	0.001	0.003	0.701	0.286	1482.407	TRUE	6.76E-285
PEF	PCGF2	cg00089071	rs111834226	A	G	1.165	0.065	0.030	2.18E-71	0.003	0.007	0.699	0.079	319.009	TRUE	2.12E-68
PEF	PCGF2	cg00089071	rs228275	T	C	0.150	0.025	0.354	1.92E-09	0.004	0.003	0.132	0.010	36.034	TRUE	6.32E-09
PEF	PCGF2	cg00089071	rs9902888	A	T	0.203	0.033	0.154	6.30E-10	0.002	0.004	0.676	0.010	38.206	TRUE	1.11E-09
PEF	PCGF2	cg02433498	rs68075021	G	T	-0.333	0.034	0.137	7.11E-23	-0.022	0.004	2.96E-09	0.026	96.898	TRUE	6.66E-20
PEF	PCGF2	cg18896448	rs34727469	T	C	-0.272	0.034	0.131	2.16E-15	-0.021	0.004	1.12E-08	0.017	62.883	TRUE	3.26E-13
PEF	PCGF2	cg21692159	rs146712295	T	C	-0.535	0.079	0.024	1.58E-11	0.015	0.010	0.119	0.012	45.406	TRUE	6.68E-11
PEF	PCGF2	cg21692159	rs2879097	T	C	-0.164	0.028	0.238	2.98E-09	-0.014	0.003	3.57E-06	0.009	35.180	TRUE	5.97E-08
PEF	PCGF2	cg21692159	rs3785457	T	C	0.185	0.032	0.168	8.49E-09	0.007	0.003	0.039	0.009	33.142	TRUE	3.69E-08
PEF	PCGF2	cg23302321	rs12601476	C	T	-0.144	0.023	0.495	5.07E-10	0.008	0.003	0.002	0.010	38.630	TRUE	5.05E-09
PEF	PCGF2	cg24539380	rs11658048	A	G	-0.738	0.028	0.209	3.63E-157	-0.016	0.003	3.68E-07	0.162	713.021	TRUE	1.38E-140
PEF	PCGF2	cg24539380	rs146712295	T	C	-0.679	0.079	0.024	8.63E-18	0.015	0.010	0.119	0.020	73.763	TRUE	6.64E-17
PEF	PCGF2	cg24539380	rs1811251	G	A	0.352	0.030	0.178	9.43E-32	0.002	0.003	0.585	0.036	137.414	TRUE	9.17E-31
PEF	PCGF2	cg24539380	rs77536527	G	A	-0.698	0.094	0.014	1.44E-13	0.010	0.010	0.362	0.015	54.626	TRUE	4.53E-13
PEF	PCGF2	cg24539380	rs78737686	C	T	-0.174	0.024	0.492	1.81E-13	-0.008	0.003	0.001	0.014	54.171	TRUE	3.29E-12
PEF	PCGF2	cg24539380	rs8071479	A	G	0.178	0.025	0.312	1.79E-12	0.002	0.003	0.513	0.013	49.672	TRUE	4.35E-12
PEF	PCGF2	cg24539380	rs9916617	C	T	0.216	0.031	0.169	2.28E-12	0.003	0.003	0.299	0.013	49.203	TRUE	7.14E-12
PEF	PDHB	cg07576186	rs10866014	T	A	-0.845	0.021	0.352	<1E-200	0.000	0.003	0.928	0.297	1561.252	TRUE	8.06E-299
PEF	PDHB	cg07576186	rs11130661	G	A	-0.289	0.038	0.107	3.31E-14	0.001	0.004	0.891	0.015	57.509	TRUE	5.92E-14
PEF	PDHB	cg07576186	rs115994397	A	C	-0.387	0.069	0.032	2.41E-08	0.023	0.007	0.002	0.008	31.113	TRUE	1.78E-07
PEF	PDHB	cg07576186	rs11709125	G	C	0.167	0.027	0.257	4.88E-10	-0.003	0.003	0.272	0.010	38.704	TRUE	1.34E-09
PEF	PDHB	cg07576186	rs11710000	A	T	0.544	0.056	0.046	3.17E-22	0.005	0.006	0.423	0.025	93.943	TRUE	1.79E-21

PEF	PDHB	cg07576186	rs11712230	T	C	0.138	0.024	0.406	6.32E-09	0.004	0.003	0.133	0.009	33.716	TRUE	2.00E-08
PEF	PDHB	cg07576186	rs12492879	A	G	-0.738	0.104	0.026	1.33E-12	-0.013	0.009	0.151	0.013	50.257	TRUE	5.71E-12
PEF	PDHB	cg07576186	rs138186634	T	C	-0.702	0.074	0.048	1.45E-21	0.002	0.006	0.789	0.024	90.936	TRUE	4.59E-21
PEF	PDHB	cg07576186	rs166541	G	A	0.248	0.024	0.488	1.36E-25	-0.013	0.003	9.94E-08	0.029	109.288	TRUE	1.18E-22
PEF	PDHB	cg07576186	rs191599511	A	C	0.440	0.075	0.022	3.75E-09	0.015	0.008	0.084	0.009	34.728	TRUE	1.40E-08
PEF	PDHB	cg07576186	rs2362899	A	G	-0.557	0.071	0.063	4.59E-15	0.002	0.006	0.728	0.016	61.397	TRUE	1.03E-14
PEF	PDHB	cg07576186	rs2362902	C	A	0.329	0.024	0.383	3.56E-43	0.000	0.003	0.963	0.049	189.675	TRUE	5.35E-42
PEF	PDHB	cg07576186	rs2577319	T	C	-0.168	0.025	0.370	8.16E-12	0.012	0.003	2.58E-06	0.012	46.702	TRUE	3.14E-10
PEF	PDHB	cg07576186	rs28404421	A	G	0.500	0.061	0.042	1.66E-16	-0.006	0.006	0.345	0.018	67.928	TRUE	6.80E-16
PEF	PDHB	cg07576186	rs34489489	C	T	0.453	0.031	0.172	7.66E-48	-0.009	0.003	0.011	0.054	211.049	TRUE	6.97E-45
PEF	PDHB	cg07576186	rs34968752	A	C	-0.268	0.030	0.196	2.76E-19	0.008	0.003	0.014	0.021	80.559	TRUE	5.45E-18
PEF	PDHB	cg07576186	rs4284950	C	T	-0.276	0.037	0.116	1.33E-13	-0.004	0.004	0.375	0.015	54.776	TRUE	4.09E-13
PEF	PDHB	cg07576186	rs58008947	T	C	0.207	0.037	0.115	1.96E-08	-0.010	0.004	0.016	0.008	31.512	TRUE	9.93E-08
PEF	PDHB	cg07576186	rs6445991	A	G	-0.178	0.031	0.176	1.48E-08	0.004	0.003	0.239	0.009	32.065	TRUE	3.74E-08
PEF	PDHB	cg07576186	rs6795193	T	C	-0.764	0.024	0.308	1.33E-230	0.007	0.003	0.013	0.221	1050.636	TRUE	6.09E-206
PEF	PDHB	cg07576186	rs6796069	T	C	0.593	0.024	0.322	2.57E-135	-0.006	0.003	0.017	0.142	612.607	TRUE	1.44E-124
PEF	PDHB	cg07576186	rs73077909	A	G	-0.736	0.045	0.066	4.83E-61	0.013	0.005	0.005	0.068	271.558	TRUE	5.42E-57
PEF	PDHB	cg07576186	rs73081554	T	C	0.552	0.045	0.074	2.75E-34	0.000	0.005	0.950	0.039	149.000	TRUE	1.85E-33
PEF	PDHB	cg07576186	rs73835185	A	G	0.493	0.084	0.022	5.16E-09	-0.007	0.009	0.429	0.009	34.110	TRUE	1.07E-08
PEF	PDHB	cg07576186	rs74562361	C	T	-0.634	0.065	0.033	3.27E-22	0.011	0.007	0.126	0.025	93.876	TRUE	3.78E-21
PEF	PDHB	cg07576186	rs7625947	C	T	0.512	0.023	0.370	1.26E-106	0.004	0.003	0.191	0.115	480.797	TRUE	5.94E-100
PEF	PDHB	cg07576186	rs76361678	C	T	-0.701	0.087	0.018	9.80E-16	0.011	0.009	0.207	0.017	64.436	TRUE	4.89E-15
PEF	PDHB	cg07576186	rs77546328	G	T	0.414	0.056	0.049	1.27E-13	-0.013	0.006	0.040	0.015	54.867	TRUE	9.60E-13
PEF	PDHB	cg07576186	rs80207275	T	C	-0.600	0.104	0.021	9.09E-09	-0.003	0.008	0.672	0.009	33.009	TRUE	1.50E-08
PEF	PDHB	cg26110898	rs11709125	G	C	-0.159	0.027	0.257	2.79E-09	-0.003	0.003	0.272	0.009	35.309	TRUE	7.19E-09
PEF	PDHB	cg26110898	rs11927183	C	T	0.756	0.021	0.362	4.09E-276	0.007	0.003	0.006	0.254	1259.934	TRUE	1.07E-242
PEF	PDHB	cg26110898	rs12638974	T	C	-0.255	0.024	0.350	1.03E-25	-0.003	0.003	0.344	0.029	109.845	TRUE	8.91E-25
PEF	PDHB	cg26110898	rs138215227	A	G	-0.288	0.050	0.059	6.87E-09	-0.001	0.005	0.853	0.009	33.553	TRUE	9.85E-09
PEF	PDHB	cg26110898	rs166541	G	A	-0.137	0.024	0.488	7.63E-09	-0.013	0.003	9.94E-08	0.009	33.349	TRUE	2.18E-07
PEF	PDHB	cg26110898	rs1718473	A	G	0.266	0.048	0.074	3.96E-08	-0.005	0.005	0.325	0.008	30.154	TRUE	8.64E-08
PEF	PDHB	cg26110898	rs17745671	T	G	0.522	0.077	0.025	1.15E-11	-0.001	0.008	0.956	0.012	46.030	TRUE	1.73E-11
PEF	PDHB	cg26110898	rs28709490	A	C	0.135	0.024	0.423	1.97E-08	-0.008	0.003	0.002	0.008	31.509	TRUE	1.39E-07
PEF	PDHB	cg26110898	rs34968752	A	C	0.199	0.030	0.196	2.89E-11	0.008	0.003	0.014	0.012	44.229	TRUE	2.15E-10
PEF	PDHB	cg26110898	rs4387990	A	G	0.247	0.023	0.464	1.07E-26	0.006	0.003	0.012	0.030	114.330	TRUE	5.67E-25
PEF	PDHB	cg26110898	rs4681675	T	G	-0.273	0.023	0.470	5.46E-32	0.001	0.003	0.836	0.036	138.499	TRUE	3.58E-31
PEF	PDHB	cg26110898	rs4681688	G	A	-0.210	0.026	0.290	4.12E-16	0.006	0.003	0.032	0.018	66.145	TRUE	4.49E-15
PEF	PDHB	cg26110898	rs62258099	C	T	-0.326	0.052	0.053	4.42E-10	-0.014	0.005	0.007	0.010	38.897	TRUE	3.26E-09
PEF	PDHB	cg26110898	rs73077909	A	G	0.433	0.045	0.066	9.59E-22	0.013	0.005	0.005	0.024	91.750	TRUE	3.50E-20
PEF	PDHB	cg26110898	rs74377825	A	G	-0.326	0.040	0.095	1.75E-16	-0.007	0.004	0.098	0.018	67.830	TRUE	1.27E-15
PEF	PDHB	cg26110898	rs9817472	T	C	-0.322	0.042	0.083	3.08E-14	-0.003	0.005	0.454	0.015	57.650	TRUE	8.93E-14
PEF	PEBP1	cg00091483	rs7301950	A	G	0.212	0.036	0.118	5.50E-09	0.002	0.004	0.713	0.009	33.985	TRUE	8.95E-09
PEF	PEBP1	cg16572268	rs673078	C	A	0.166	0.028	0.216	3.84E-09	0.005	0.003	0.134	0.009	34.683	TRUE	1.24E-08

PEF	PEBP1	cg16572268	rs7971091	A	G	0.145	0.025	0.319	4.78E-09	0.004	0.003	0.112	0.009	34.257	TRUE	1.62E-08
PEF	PEBP1	cg16572268	rs904661	A	G	0.346	0.024	0.385	3.01E-48	0.007	0.003	0.004	0.054	212.909	TRUE	4.82E-45
PEF	PELI3	cg00157359	rs1253439	A	G	0.138	0.025	0.336	3.48E-08	-0.004	0.003	0.144	0.008	30.406	TRUE	9.93E-08
PEF	PELI3	cg00157359	rs1700189	A	G	-0.259	0.023	0.405	2.15E-28	-0.005	0.003	0.048	0.032	122.075	TRUE	7.59E-27
PEF	PELI3	cg00157359	rs61468422	A	G	0.260	0.029	0.191	1.09E-18	0.018	0.003	1.55E-08	0.021	77.845	TRUE	3.29E-16
PEF	PELI3	cg10122910	rs10791899	C	A	-0.326	0.047	0.066	5.92E-12	0.014	0.005	0.005	0.013	47.331	TRUE	6.00E-11
PEF	PELI3	cg10122910	rs111758252	C	T	-0.734	0.047	0.065	1.82E-54	-0.028	0.005	8.35E-08	0.061	241.407	TRUE	3.39E-49
PEF	PELI3	cg10122910	rs11601767	C	T	-0.176	0.025	0.326	1.37E-12	-0.003	0.003	0.251	0.013	50.194	TRUE	4.77E-12
PEF	PELI3	cg10122910	rs117107530	T	C	-0.666	0.068	0.031	1.64E-22	-0.013	0.007	0.072	0.025	95.248	TRUE	2.52E-21
PEF	PELI3	cg10122910	rs117689478	A	G	0.446	0.075	0.028	3.06E-09	0.012	0.008	0.140	0.009	35.127	TRUE	9.88E-09
PEF	PELI3	cg10122910	rs144458122	G	C	0.354	0.058	0.046	8.92E-10	0.010	0.006	0.113	0.010	37.528	TRUE	3.23E-09
PEF	PELI3	cg10122910	rs150715352	T	C	0.535	0.093	0.015	7.42E-09	0.007	0.009	0.427	0.009	33.404	TRUE	1.54E-08
PEF	PELI3	cg10122910	rs2298466	C	T	0.309	0.028	0.226	1.31E-28	-0.003	0.003	0.299	0.032	123.060	TRUE	1.67E-27
PEF	PELI3	cg10122910	rs2302264	A	G	-0.138	0.024	0.426	6.60E-09	0.002	0.003	0.422	0.009	33.632	TRUE	1.37E-08
PEF	PELI3	cg10122910	rs3107024	T	C	-1.060	0.016	0.407	<1E-200	-0.005	0.003	0.041	0.556	4635.739	TRUE	<1E-200
PEF	PELI3	cg10122910	rs35265857	A	G	-0.696	0.075	0.054	1.38E-20	-0.003	0.005	0.619	0.023	86.479	TRUE	5.06E-20
PEF	PELI3	cg10122910	rs56016006	A	G	0.431	0.025	0.336	4.31E-69	-0.004	0.003	0.126	0.077	308.476	TRUE	2.19E-65
PEF	PELI3	cg10122910	rs56038054	T	C	-0.243	0.028	0.235	1.08E-18	0.010	0.003	0.001	0.021	77.864	TRUE	3.89E-17
PEF	PELI3	cg10122910	rs61468422	A	G	0.518	0.029	0.191	3.92E-71	0.018	0.003	1.55E-08	0.079	317.843	TRUE	4.19E-64
PEF	PELI3	cg10122910	rs61890442	A	G	-0.779	0.100	0.017	6.64E-15	0.000	0.009	0.973	0.016	60.670	TRUE	1.14E-14
PEF	PELI3	cg10122910	rs654638	G	A	-0.198	0.029	0.211	6.09E-12	-0.006	0.003	0.046	0.013	47.275	TRUE	3.64E-11
PEF	PELI3	cg10122910	rs72923011	C	A	-0.672	0.050	0.056	4.52E-41	0.009	0.005	0.089	0.046	180.041	TRUE	5.32E-39
PEF	PELI3	cg10122910	rs72930739	G	A	0.290	0.042	0.084	8.14E-12	0.013	0.004	0.004	0.012	46.707	TRUE	8.96E-11
PEF	PELI3	cg10122910	rs72932698	G	T	-0.381	0.065	0.035	4.96E-09	0.006	0.007	0.372	0.009	34.187	TRUE	1.10E-08
PEF	PELI3	cg10122910	rs72936674	A	G	-0.486	0.050	0.054	2.31E-22	-0.009	0.005	0.090	0.025	94.562	TRUE	3.17E-21
PEF	PELI3	cg10122910	rs74459573	C	T	-0.321	0.031	0.157	1.26E-25	0.004	0.003	0.195	0.029	109.442	TRUE	1.58E-24
PEF	PELI3	cg10122910	rs74835571	C	T	0.438	0.061	0.036	8.66E-13	-0.024	0.007	6.91E-04	0.014	51.100	TRUE	1.53E-11
PEF	PELI3	cg10122910	rs74956044	T	C	-0.407	0.061	0.032	2.22E-11	0.009	0.006	0.128	0.012	44.740	TRUE	8.95E-11
PEF	PELI3	cg10122910	rs77618368	C	T	0.486	0.046	0.074	5.14E-26	-0.006	0.005	0.204	0.029	111.219	TRUE	6.73E-25
PEF	PELI3	cg10122910	rs79100447	T	C	0.392	0.054	0.044	4.67E-13	0.001	0.006	0.832	0.014	52.310	TRUE	8.39E-13
PEF	PELI3	cg10122910	rs7938930	A	G	0.434	0.038	0.105	7.81E-30	0.005	0.004	0.247	0.034	128.651	TRUE	1.28E-28
PEF	PELI3	cg10315249	rs117394165	T	C	0.574	0.072	0.033	1.01E-15	0.020	0.007	0.002	0.017	64.374	TRUE	2.23E-14
PEF	PELI3	cg10315249	rs117741368	C	G	0.528	0.085	0.022	5.65E-10	-0.011	0.009	0.190	0.010	38.419	TRUE	1.76E-09
PEF	PELI3	cg10315249	rs117850109	T	C	0.464	0.063	0.037	1.46E-13	-0.007	0.007	0.268	0.015	54.587	TRUE	5.35E-13
PEF	PELI3	cg10315249	rs118011160	A	G	0.340	0.042	0.083	1.16E-15	0.011	0.005	0.017	0.017	64.098	TRUE	1.40E-14
PEF	PELI3	cg10315249	rs1201342	G	C	-0.279	0.028	0.244	9.11E-24	-0.011	0.003	6.93E-04	0.027	100.965	TRUE	8.01E-22
PEF	PELI3	cg10315249	rs12577917	T	C	-0.264	0.023	0.494	1.60E-30	-0.005	0.003	0.041	0.034	131.790	TRUE	8.32E-29
PEF	PELI3	cg10315249	rs144458122	G	C	0.327	0.058	0.046	1.45E-08	0.010	0.006	0.113	0.009	32.105	TRUE	4.65E-08
PEF	PELI3	cg10315249	rs150633715	C	G	0.623	0.093	0.016	2.06E-11	0.006	0.009	0.512	0.012	44.889	TRUE	4.62E-11
PEF	PELI3	cg10315249	rs1626067	A	G	0.142	0.025	0.356	8.16E-09	0.007	0.003	0.005	0.009	33.218	TRUE	5.50E-08
PEF	PELI3	cg10315249	rs72940579	T	C	0.153	0.025	0.358	4.82E-10	0.007	0.003	0.014	0.010	38.728	TRUE	3.09E-09
PEF	PELI3	cg10315249	rs80100524	T	C	0.638	0.026	0.242	1.29E-128	0.010	0.003	5.19E-04	0.136	581.819	TRUE	1.88E-117

PEF	PELI3	cg20446641	rs12577917	T	C	0.129	0.023	0.494	2.39E-08	-0.005	0.003	0.041	0.008	31.129	TRUE	9.98E-08
PEF	PELI3	cg20446641	rs7123176	C	T	-0.254	0.027	0.240	1.06E-20	0.011	0.003	1.58E-04	0.023	87.008	TRUE	8.99E-19
PEF	PELI3	cg21720802	rs3816492	T	C	0.244	0.027	0.241	1.32E-19	0.011	0.003	1.37E-04	0.022	82.017	TRUE	9.78E-18
PEF	PERP	cg06052619	rs75604586	C	G	0.315	0.046	0.084	7.69E-12	0.010	0.005	0.036	0.012	46.818	TRUE	4.92E-11
PEF	PERP	cg06595927	rs12189960	G	A	-0.480	0.072	0.072	3.15E-11	-0.007	0.005	0.149	0.012	44.056	TRUE	1.20E-10
PEF	PERP	cg06595927	rs17726669	A	G	0.227	0.041	0.289	2.46E-08	-0.004	0.003	0.172	0.008	31.074	TRUE	6.93E-08
PEF	PERP	cg06595927	rs203136	G	T	0.192	0.027	0.334	6.36E-13	-0.002	0.003	0.375	0.014	51.704	TRUE	1.92E-12
PEF	PERP	cg06595927	rs2473098	A	G	-0.257	0.031	0.220	4.90E-17	0.001	0.003	0.653	0.019	70.340	TRUE	1.37E-16
PEF	PERP	cg06595927	rs4371857	A	C	0.254	0.028	0.256	4.37E-19	-0.003	0.003	0.259	0.021	79.652	TRUE	2.62E-18
PEF	PERP	cg06595927	rs75978446	T	C	0.290	0.039	0.119	5.31E-14	-0.003	0.004	0.401	0.015	56.579	TRUE	1.64E-13
PEF	PERP	cg06595927	rs7747428	C	A	-0.312	0.045	0.224	5.72E-12	0.000	0.003	0.938	0.013	47.398	TRUE	8.75E-12
PEF	PERP	cg06595927	rs9321645	G	A	0.266	0.038	0.122	3.99E-12	-0.008	0.004	0.027	0.013	48.103	TRUE	2.83E-11
PEF	PERP	cg06595927	rs9402955	A	T	0.434	0.043	0.090	2.96E-24	-0.008	0.004	0.049	0.027	103.187	TRUE	6.50E-23
PEF	PERP	cg06595927	rs9484111	T	C	0.237	0.030	0.220	3.33E-15	-0.002	0.003	0.526	0.016	62.028	TRUE	9.33E-15
PEF	PERP	cg06595927	rs9494941	C	T	0.614	0.024	0.395	2.86E-145	-0.004	0.003	0.095	0.151	658.347	TRUE	4.04E-134
PEF	PERP	cg08197797	rs75604586	C	G	0.405	0.046	0.084	1.04E-18	0.010	0.005	0.036	0.021	77.947	TRUE	1.43E-17
PEF	PERP	cg08315187	rs1537620	G	A	0.366	0.025	0.394	1.62E-48	-0.004	0.003	0.090	0.055	214.145	TRUE	4.96E-46
PEF	PERP	cg08315187	rs2473098	A	G	-0.185	0.031	0.220	1.65E-09	0.001	0.003	0.653	0.010	36.327	TRUE	2.91E-09
PEF	PERP	cg09019803	rs2484065	T	G	-0.533	0.037	0.358	5.26E-47	0.004	0.003	0.139	0.053	207.216	TRUE	9.96E-45
PEF	PERP	cg09019803	rs2484067	C	T	-0.429	0.036	0.482	5.08E-33	0.001	0.003	0.791	0.037	143.214	TRUE	4.01E-32
PEF	PERP	cg09019803	rs62432811	T	C	0.373	0.063	0.093	3.30E-09	-0.003	0.004	0.529	0.009	34.982	TRUE	6.27E-09
PEF	PERP	cg09019803	rs6908924	A	G	0.462	0.077	0.061	2.35E-09	-0.007	0.005	0.179	0.010	35.637	TRUE	7.10E-09
PEF	PERP	cg09019803	rs77296140	T	C	0.486	0.085	0.049	1.21E-08	-0.001	0.006	0.880	0.009	32.460	TRUE	1.68E-08
PEF	PERP	cg09019803	rs7747428	C	A	-0.340	0.045	0.224	5.80E-14	0.000	0.003	0.938	0.015	56.406	TRUE	9.78E-14
PEF	PERP	cg16699385	rs12174147	G	T	-0.470	0.039	0.121	9.78E-34	0.003	0.004	0.379	0.038	146.484	TRUE	1.71E-32
PEF	PERP	cg16699385	rs142598984	T	C	-0.487	0.088	0.046	2.65E-08	0.000	0.006	0.972	0.008	30.933	TRUE	3.38E-08
PEF	PERP	cg16699385	rs1537620	G	A	-0.457	0.025	0.394	2.71E-76	-0.004	0.003	0.090	0.085	341.521	TRUE	6.43E-72
PEF	PERP	cg16699385	rs203136	G	T	-0.156	0.027	0.334	5.54E-09	-0.002	0.003	0.375	0.009	33.971	TRUE	1.25E-08
PEF	PERP	cg16699385	rs3736707	G	A	-0.329	0.055	0.131	2.63E-09	-0.005	0.004	0.191	0.009	35.422	TRUE	7.72E-09
PEF	PERP	cg16699385	rs481438	A	G	-0.210	0.028	0.273	1.70E-13	0.003	0.003	0.361	0.014	54.299	TRUE	5.25E-13
PEF	PERP	cg16699385	rs8155	A	G	0.210	0.031	0.215	1.06E-11	0.001	0.003	0.653	0.012	46.196	TRUE	2.09E-11
PEF	PERP	cg24555822	rs9494937	A	G	0.263	0.025	0.392	2.03E-25	-0.005	0.003	0.043	0.028	108.494	TRUE	5.33E-24
PEF	PERP	cg24884985	rs12525292	C	T	-0.973	0.084	0.049	3.11E-31	0.000	0.006	0.963	0.035	135.047	TRUE	1.60E-30
PEF	PERP	cg24884985	rs12527958	T	G	-0.400	0.027	0.308	4.25E-50	-0.002	0.003	0.592	0.056	221.383	TRUE	2.94E-48
PEF	PERP	cg24884985	rs1556640	C	T	0.344	0.057	0.124	1.16E-09	0.006	0.004	0.113	0.010	37.008	TRUE	4.16E-09
PEF	PERP	cg24884985	rs203138	G	A	-0.378	0.028	0.281	5.30E-43	-0.001	0.003	0.773	0.049	188.880	TRUE	1.12E-41
PEF	PERP	cg24884985	rs2294443	A	C	-0.393	0.055	0.049	5.49E-13	0.000	0.005	0.996	0.014	51.994	TRUE	8.38E-13
PEF	PERP	cg24884985	rs3734298	C	T	0.306	0.031	0.212	1.29E-22	0.003	0.003	0.394	0.025	95.720	TRUE	7.80E-22
PEF	PERP	cg24884985	rs3822942	T	G	-0.566	0.050	0.068	4.29E-30	-0.004	0.006	0.477	0.034	129.838	TRUE	4.35E-29
PEF	PERP	cg24884985	rs62432781	C	T	-0.473	0.058	0.051	2.00E-16	0.003	0.006	0.531	0.018	67.570	TRUE	6.12E-16
PEF	PERP	cg24884985	rs67998424	C	A	-0.176	0.032	0.199	2.72E-08	-0.004	0.003	0.255	0.008	30.885	TRUE	6.67E-08
PEF	PERP	cg24884985	rs72982788	A	G	-0.161	0.028	0.295	1.01E-08	0.000	0.003	0.906	0.009	32.800	TRUE	1.37E-08

PEF	PERP	cg24884985	rs72984647	A	G	-1.325	0.026	0.151	<1E-200	-0.006	0.004	0.090	0.421	2693.351	TRUE	<1E-200
PEF	PERP	cg24884985	rs72986828	G	T	-0.321	0.048	0.077	1.57E-11	-0.002	0.005	0.759	0.012	45.417	TRUE	2.80E-11
PEF	PERP	cg24884985	rs9389575	T	C	0.185	0.033	0.179	1.83E-08	0.000	0.003	0.896	0.008	31.652	TRUE	2.48E-08
PEF	PERP	cg24884985	rs9402955	A	T	-0.374	0.043	0.090	2.74E-18	-0.008	0.004	0.049	0.020	76.029	TRUE	3.13E-17
PEF	PERP	cg25821223	rs147371157	T	C	-0.330	0.046	0.084	5.16E-13	0.009	0.005	0.039	0.014	52.116	TRUE	3.65E-12
PEF	PGD	cg13938663	rs3748576	G	A	-0.142	0.024	0.395	2.01E-09	0.003	0.003	0.273	0.010	35.946	TRUE	5.15E-09
PEF	PGD	cg13938663	rs4846214	G	A	0.398	0.035	0.122	3.71E-29	-0.021	0.004	6.66E-08	0.033	125.557	TRUE	6.50E-26
PEF	PHLDA3	cg00962755	rs12097997	G	A	-0.269	0.024	0.344	4.76E-28	0.011	0.003	2.78E-05	0.032	120.500	TRUE	1.94E-25
PEF	PHLDA3	cg00962755	rs12134525	T	C	-0.402	0.049	0.054	2.81E-16	0.008	0.005	0.115	0.018	66.896	TRUE	1.89E-15
PEF	PHLDA3	cg00962755	rs4915536	A	G	-0.144	0.026	0.277	4.35E-08	0.002	0.003	0.437	0.008	29.971	TRUE	8.48E-08
PEF	PHLDA3	cg04055835	rs16848610	C	A	0.301	0.047	0.067	2.24E-10	0.007	0.005	0.192	0.011	40.222	TRUE	7.17E-10
PEF	PHLDA3	cg04055835	rs645390	A	G	0.190	0.035	0.117	3.78E-08	0.009	0.004	0.015	0.008	30.245	TRUE	1.83E-07
PEF	PHLDA3	cg04055835	rs654072	A	G	0.214	0.025	0.327	5.33E-18	0.009	0.003	6.77E-04	0.020	74.715	TRUE	1.95E-16
PEF	PHLDA3	cg18569595	rs11590527	G	A	-0.337	0.024	0.345	1.51E-43	0.011	0.003	3.10E-05	0.049	191.378	TRUE	7.98E-40
PEF	PHLDA3	cg18569595	rs645390	A	G	-0.239	0.034	0.117	4.26E-12	0.009	0.004	0.015	0.013	47.973	TRUE	3.41E-11
PEF	PIAS4	cg13573375	rs12971836	T	C	-0.295	0.028	0.206	7.86E-26	-0.001	0.003	0.811	0.029	110.378	TRUE	3.24E-25
PEF	PIAS4	cg13573375	rs183843320	G	A	0.864	0.136	0.014	2.01E-10	0.002	0.011	0.891	0.011	40.439	TRUE	2.99E-10
PEF	PIAS4	cg13573375	rs1867696	C	T	0.971	0.022	0.263	<1E-200	0.006	0.003	0.036	0.350	1994.278	TRUE	<1E-200
PEF	PIAS4	cg13573375	rs2304194	G	A	0.184	0.024	0.399	1.38E-14	0.000	0.003	0.899	0.016	59.234	TRUE	2.49E-14
PEF	PIAS4	cg13573375	rs350876	T	C	-0.281	0.027	0.252	4.87E-26	0.001	0.003	0.657	0.029	111.326	TRUE	2.60E-25
PEF	PIAS4	cg13573375	rs350898	A	G	0.404	0.026	0.265	9.09E-53	0.000	0.003	0.977	0.059	233.618	TRUE	3.90E-51
PEF	PIAS4	cg13573375	rs7248231	T	C	0.778	0.057	0.048	6.28E-43	-0.001	0.007	0.936	0.048	188.545	TRUE	9.70E-42
PEF	PIAS4	cg13573375	rs72976912	T	C	0.964	0.073	0.024	3.62E-40	-0.006	0.008	0.409	0.045	175.905	TRUE	1.18E-38
PEF	PIAS4	cg24479928	rs7248231	T	C	0.504	0.056	0.048	4.55E-19	-0.001	0.007	0.936	0.021	79.572	TRUE	1.02E-18
PEF	PIK3CD	cg03653801	rs4333853	G	A	-0.152	0.023	0.473	7.97E-11	0.000	0.003	0.939	0.011	42.242	TRUE	1.17E-10
PEF	PIK3CD	cg03653801	rs74338407	T	C	-0.549	0.093	0.036	3.84E-09	0.004	0.007	0.576	0.009	34.685	TRUE	7.02E-09
PEF	PIK3CD	cg04162034	rs11586485	A	G	-0.302	0.050	0.107	1.30E-09	0.001	0.004	0.825	0.010	36.799	TRUE	1.97E-09
PEF	PIK3CD	cg04162034	rs2119508	A	G	-0.357	0.053	0.097	1.35E-11	-0.008	0.004	0.056	0.012	45.713	TRUE	7.31E-11
PEF	PIK3CD	cg04162034	rs74925829	T	C	-1.771	0.085	0.017	2.29E-95	-0.011	0.009	0.210	0.104	429.082	TRUE	8.38E-90
PEF	PIK3CD	cg04162034	rs9430196	A	G	-0.281	0.034	0.141	4.67E-17	0.000	0.004	0.920	0.019	70.433	TRUE	9.65E-17
PEF	PIK3CD	cg04608004	rs1135427	G	T	-0.193	0.024	0.438	7.17E-16	0.002	0.003	0.474	0.017	65.050	TRUE	2.30E-15
PEF	PIK3CD	cg07805542	rs11121516	T	C	0.242	0.036	0.121	1.41E-11	0.003	0.004	0.381	0.012	45.629	TRUE	3.72E-11
PEF	PIK3CD	cg07805542	rs1135427	G	T	0.216	0.024	0.438	2.52E-19	0.002	0.003	0.474	0.021	80.736	TRUE	1.05E-18
PEF	PIK3CD	cg07805542	rs12564733	T	A	1.148	0.044	0.064	9.57E-148	0.005	0.005	0.334	0.153	669.725	TRUE	4.52E-137
PEF	PIK3CD	cg07805542	rs145362080	C	A	0.666	0.108	0.012	6.53E-10	-0.018	0.010	0.070	0.010	38.136	TRUE	2.76E-09
PEF	PIK3CD	cg07805542	rs147961171	C	G	0.804	0.110	0.011	2.36E-13	0.020	0.013	0.121	0.014	53.654	TRUE	1.19E-12
PEF	PIK3CD	cg07805542	rs56153814	C	T	0.465	0.043	0.089	5.95E-27	0.002	0.005	0.716	0.030	115.491	TRUE	3.16E-26
PEF	PIK3CD	cg07805542	rs72869650	A	G	0.166	0.030	0.186	4.09E-08	0.000	0.003	0.916	0.008	30.089	TRUE	5.38E-08
PEF	PIK3CD	cg11947782	rs10746492	C	T	-0.147	0.025	0.358	3.41E-09	-0.003	0.003	0.234	0.009	34.916	TRUE	9.16E-09
PEF	PIK3CD	cg11947782	rs140188093	A	G	-0.351	0.063	0.040	3.02E-08	-0.010	0.007	0.134	0.008	30.681	TRUE	8.95E-08
PEF	PIK3CD	cg11947782	rs7518602	C	T	-0.135	0.024	0.392	2.08E-08	0.001	0.003	0.641	0.008	31.405	TRUE	3.43E-08
PEF	PIK3CD	cg11980800	rs6540985	G	A	0.185	0.025	0.315	2.12E-13	0.002	0.003	0.373	0.014	53.862	TRUE	6.48E-13

PEF	PIK3CD	cg13457410	rs10864439	G	T	0.230	0.037	0.254	2.91E-10	0.004	0.003	0.216	0.011	39.714	TRUE	8.86E-10
PEF	PIK3CD	cg13457410	rs1135427	G	T	0.463	0.024	0.438	1.63E-86	0.002	0.003	0.474	0.095	388.441	TRUE	3.73E-82
PEF	PIK3CD	cg13457410	rs1619083	T	C	0.510	0.078	0.045	5.58E-11	-0.009	0.006	0.105	0.011	42.938	TRUE	2.31E-10
PEF	PIK3CD	cg13457410	rs4076440	G	A	0.269	0.045	0.074	2.88E-09	-0.001	0.004	0.814	0.009	35.242	TRUE	4.33E-09
PEF	PIK3CD	cg13457410	rs5017476	G	A	0.250	0.031	0.163	4.96E-16	0.005	0.003	0.152	0.017	65.778	TRUE	2.88E-15
PEF	PIK3CD	cg13457410	rs61785179	A	G	0.278	0.038	0.117	1.34E-13	0.000	0.004	0.935	0.015	54.757	TRUE	2.24E-13
PEF	PIK3CD	cg13457410	rs9430574	A	G	0.263	0.025	0.319	6.00E-26	0.002	0.003	0.457	0.029	110.914	TRUE	4.35E-25
PEF	PIK3CD	cg15701170	rs1135427	G	T	-0.204	0.024	0.438	1.58E-17	0.002	0.003	0.474	0.019	72.573	TRUE	5.71E-17
PEF	PIK3CD	cg15701170	rs12564733	T	A	-0.279	0.046	0.064	1.62E-09	0.005	0.005	0.334	0.010	36.368	TRUE	3.88E-09
PEF	PIK3CD	cg16895792	rs7518602	C	T	-0.177	0.024	0.392	6.53E-14	0.001	0.003	0.641	0.015	56.174	TRUE	1.49E-13
PEF	PIK3CD	cg20681184	rs4601595	T	G	-0.216	0.023	0.475	1.84E-20	-0.001	0.003	0.777	0.023	85.907	TRUE	5.49E-20
PEF	PIK3CD	cg20994801	rs146783463	A	G	-0.423	0.071	0.023	3.05E-09	0.007	0.007	0.333	0.009	35.132	TRUE	7.23E-09
PEF	PIK3CD	cg20994801	rs185946657	A	C	-0.508	0.078	0.024	9.70E-11	0.011	0.008	0.183	0.011	41.859	TRUE	3.28E-10
PEF	PIK3CD	cg20994801	rs57834427	A	G	-0.510	0.030	0.186	1.15E-65	0.004	0.003	0.271	0.073	292.766	TRUE	1.60E-62
PEF	PIK3CD	cg22045271	rs7518602	C	T	-0.146	0.024	0.392	7.17E-10	0.001	0.003	0.641	0.010	37.955	TRUE	1.29E-09
PEF	PIK3CD	cg23098018	rs76822479	C	A	0.464	0.084	0.022	3.08E-08	-0.033	0.008	1.09E-04	0.008	30.640	TRUE	3.45E-07
PEF	PIK3CD	cg23251761	rs79423094	T	C	0.214	0.037	0.119	5.32E-09	0.004	0.004	0.335	0.009	34.051	TRUE	1.24E-08
PEF	PIK3CD	cg23799532	rs147760460	T	C	-0.398	0.069	0.034	7.37E-09	-0.003	0.008	0.696	0.009	33.416	TRUE	1.19E-08
PEF	PIK3CD	cg24859236	rs4601595	T	G	-0.130	0.023	0.475	2.94E-08	-0.001	0.003	0.777	0.008	30.732	TRUE	4.33E-08
PEF	PIK3CD	cg26573321	rs11121480	T	C	0.441	0.040	0.089	5.67E-28	0.002	0.004	0.589	0.031	120.151	TRUE	3.96E-27
PEF	PIK3CD	cg26573321	rs12041599	G	C	0.594	0.059	0.044	3.90E-24	0.002	0.007	0.805	0.027	102.646	TRUE	1.45E-23
PEF	PIK3CD	cg26573321	rs12563790	C	G	0.211	0.030	0.193	8.63E-13	0.001	0.003	0.648	0.014	51.106	TRUE	1.81E-12
PEF	PIK3CD	cg26573321	rs12725898	T	G	-0.132	0.023	0.472	1.73E-08	-0.003	0.003	0.232	0.009	31.761	TRUE	4.41E-08
PEF	PIK3CD	cg26573321	rs17412703	T	C	0.242	0.043	0.082	1.64E-08	0.005	0.005	0.247	0.009	31.863	TRUE	4.13E-08
PEF	PIK3CD	cg26573321	rs2582976	A	T	0.177	0.025	0.361	1.13E-12	-0.004	0.003	0.122	0.013	50.579	TRUE	5.17E-12
PEF	PIK3CD	cg26573321	rs4240895	T	C	0.745	0.022	0.388	1.42E-243	0.002	0.003	0.554	0.231	1110.288	TRUE	2.46E-219
PEF	PIK3CD	cg26573321	rs57883760	G	A	0.243	0.023	0.412	3.49E-25	-0.001	0.003	0.825	0.028	107.422	TRUE	1.40E-24
PEF	PIK3CD	cg26573321	rs61783043	A	G	0.394	0.040	0.101	4.94E-23	0.000	0.004	0.935	0.026	97.616	TRUE	1.43E-22
PEF	PIK3R1	cg00559992	rs4122269	C	T	0.165	0.025	0.342	1.80E-11	0.003	0.003	0.311	0.012	45.157	TRUE	5.28E-11
PEF	PIK3R1	cg00559992	rs72757693	A	G	0.567	0.033	0.131	7.92E-65	0.007	0.004	0.063	0.072	288.915	TRUE	3.46E-61
PEF	PIK3R1	cg00559992	rs79665758	T	A	0.567	0.094	0.016	1.55E-09	-0.007	0.009	0.469	0.010	36.445	TRUE	3.23E-09
PEF	PIK3R1	cg00559992	rs80091534	T	G	0.477	0.077	0.025	6.37E-10	0.005	0.009	0.626	0.010	38.184	TRUE	1.17E-09
PEF	PIK3R1	cg01105385	rs76410712	A	C	0.602	0.095	0.016	2.44E-10	0.007	0.010	0.509	0.011	40.054	TRUE	5.13E-10
PEF	PIK3R1	cg01239651	rs73769904	T	A	-0.288	0.042	0.083	5.31E-12	-0.006	0.005	0.156	0.013	47.543	TRUE	2.13E-11
PEF	PIK3R1	cg02271687	rs695166	C	G	-0.195	0.025	0.288	1.76E-14	-0.002	0.003	0.446	0.016	58.750	TRUE	5.24E-14
PEF	PIK3R1	cg08945395	rs114414945	C	T	0.595	0.097	0.014	7.81E-10	0.002	0.010	0.824	0.010	37.787	TRUE	1.20E-09
PEF	PIK3R1	cg09101894	rs67913607	C	T	-0.167	0.027	0.251	6.21E-10	0.000	0.003	0.999	0.010	38.235	TRUE	8.29E-10
PEF	PIK3R1	cg15021292	rs138714861	G	C	-2.225	0.100	0.019	1.01E-109	-0.016	0.010	0.102	0.118	495.021	TRUE	1.77E-102
PEF	PIK3R1	cg15021292	rs173701	C	G	-0.159	0.028	0.225	1.26E-08	-0.007	0.003	0.022	0.009	32.371	TRUE	6.18E-08
PEF	PIK3R1	cg15021292	rs6886884	G	A	-0.205	0.028	0.233	1.10E-13	0.004	0.003	0.134	0.015	55.143	TRUE	5.56E-13
PEF	PIK3R1	cg15021292	rs77064062	T	C	-0.470	0.083	0.021	1.34E-08	0.003	0.009	0.741	0.009	32.259	TRUE	2.06E-08
PEF	PIK3R1	cg18104285	rs706713	T	C	0.219	0.027	0.247	4.62E-16	-0.008	0.003	0.007	0.018	65.917	TRUE	8.04E-15

PEF	PIK3R1	cg20439288	rs80193740	T	C	0.951	0.097	0.014	1.46E-22	0.003	0.010	0.761	0.025	95.471	TRUE	5.17E-22
PEF	PIK3R1	cg24797508	rs67913607	C	T	-0.185	0.027	0.251	7.14E-12	0.000	0.003	0.999	0.013	46.963	TRUE	1.04E-11
PEF	PIK3R1	cg26878542	rs16897601	G	A	0.215	0.029	0.203	4.74E-14	-0.001	0.003	0.823	0.015	56.805	TRUE	9.08E-14
PEF	PIK3R1	cg26878542	rs56352616	T	C	-0.344	0.029	0.189	1.20E-31	0.001	0.003	0.858	0.036	136.942	TRUE	7.51E-31
PEF	PIK3R2	cg05645812	rs273495	G	A	0.332	0.051	0.063	1.08E-10	0.007	0.005	0.190	0.011	41.646	TRUE	3.62E-10
PEF	PIK3R2	cg10188048	rs2241088	A	C	0.527	0.053	0.058	1.84E-23	0.004	0.005	0.405	0.026	99.577	TRUE	1.18E-22
PEF	PIK3R2	cg10256708	rs2072490	C	T	0.168	0.023	0.466	5.86E-13	0.003	0.003	0.177	0.014	51.866	TRUE	2.45E-12
PEF	PIK3R2	cg11594160	rs111615037	A	G	-0.674	0.073	0.023	3.54E-20	-0.009	0.007	0.218	0.022	84.614	TRUE	2.53E-19
PEF	PIK3R2	cg11594160	rs11673466	C	A	-0.440	0.037	0.113	6.78E-33	-0.003	0.004	0.415	0.037	142.640	TRUE	1.02E-31
PEF	PIK3R2	cg11594160	rs2045386	A	G	-0.234	0.024	0.420	7.51E-23	-0.002	0.003	0.404	0.025	96.789	TRUE	4.67E-22
PEF	PIK3R2	cg11594160	rs28730848	A	G	-1.800	0.058	0.057	5.16E-209	-0.013	0.006	0.027	0.205	951.374	TRUE	2.66E-188
PEF	PIK3R2	cg11594160	rs34058249	C	T	-1.153	0.086	0.016	7.05E-41	-0.011	0.010	0.249	0.046	179.158	TRUE	3.82E-39
PEF	PIK3R2	cg11594160	rs367139	C	T	-0.306	0.030	0.192	1.06E-24	-0.004	0.003	0.245	0.028	105.229	TRUE	1.06E-23
PEF	PIK3R2	cg11594160	rs372889	C	T	0.158	0.023	0.494	1.10E-11	0.003	0.003	0.199	0.012	46.112	TRUE	3.90E-11
PEF	PIK3R2	cg11594160	rs374614	C	T	-0.292	0.031	0.177	1.11E-21	-0.002	0.003	0.597	0.024	91.462	TRUE	4.66E-21
PEF	PIK3R2	cg11594160	rs61210412	T	G	-0.391	0.062	0.035	2.55E-10	-0.018	0.007	0.016	0.011	39.969	TRUE	1.64E-09
PEF	PIK3R2	cg11594160	rs7248971	G	A	0.175	0.024	0.401	4.18E-13	0.002	0.003	0.547	0.014	52.529	TRUE	9.90E-13
PEF	PIK3R2	cg12492496	rs2241088	A	C	0.420	0.053	0.058	1.99E-15	0.004	0.005	0.405	0.017	63.041	TRUE	6.76E-15
PEF	PIK3R2	cg14957748	rs123203	T	C	0.855	0.059	0.048	9.15E-48	0.005	0.006	0.364	0.054	210.695	TRUE	8.11E-46
PEF	PIK3R2	cg24883498	rs2241088	A	C	0.292	0.053	0.058	3.93E-08	0.004	0.005	0.405	0.008	30.167	TRUE	7.89E-08
PEF	PIP4K2C	cg05694847	rs10876966	T	C	-0.178	0.028	0.221	4.01E-10	0.012	0.003	1.55E-04	0.010	39.088	TRUE	5.94E-09
PEF	PIP4K2C	cg05694847	rs11613457	A	G	-0.597	0.043	0.075	3.46E-43	0.012	0.005	0.009	0.049	189.726	TRUE	1.83E-40
PEF	PIP4K2C	cg05694847	rs74808980	G	A	-0.396	0.063	0.057	4.26E-10	0.022	0.006	8.37E-05	0.010	38.970	TRUE	6.90E-09
PEF	PIP4K2C	cg09740308	rs10747780	T	C	0.859	0.023	0.273	<1E-200	0.006	0.003	0.035	0.280	1439.876	TRUE	8.39E-275
PEF	PIP4K2C	cg09740308	rs1078109	A	G	-0.295	0.038	0.106	6.50E-15	0.003	0.004	0.434	0.016	60.711	TRUE	2.04E-14
PEF	PIP4K2C	cg09740308	rs112976255	A	C	-0.316	0.046	0.072	3.64E-12	0.006	0.005	0.222	0.013	48.285	TRUE	1.27E-11
PEF	PIP4K2C	cg09740308	rs115411964	T	A	0.414	0.053	0.044	9.26E-15	0.017	0.007	0.013	0.016	60.015	TRUE	1.08E-13
PEF	PIP4K2C	cg09740308	rs12423654	C	T	0.218	0.023	0.480	3.24E-21	0.003	0.003	0.305	0.024	89.343	TRUE	2.12E-20
PEF	PIP4K2C	cg09740308	rs17565804	T	C	0.601	0.058	0.042	2.38E-25	-0.003	0.006	0.662	0.028	108.184	TRUE	1.19E-24
PEF	PIP4K2C	cg09740308	rs2277322	C	T	-0.315	0.024	0.319	2.95E-38	0.004	0.003	0.185	0.043	167.158	TRUE	1.44E-36
PEF	PIP4K2C	cg09740308	rs34790089	T	C	0.654	0.053	0.049	8.87E-35	0.010	0.006	0.132	0.039	151.248	TRUE	3.77E-33
PEF	PIP4K2C	cg09740308	rs4077658	A	C	0.237	0.026	0.297	1.57E-20	0.003	0.003	0.220	0.023	86.221	TRUE	1.14E-19
PEF	PIP4K2C	cg09740308	rs78607331	T	C	0.464	0.084	0.043	2.80E-08	0.008	0.006	0.171	0.008	30.822	TRUE	7.71E-08
PEF	PIP4K2C	cg09740308	rs78638304	T	A	-0.271	0.046	0.148	4.20E-09	-0.007	0.004	0.058	0.009	34.508	TRUE	1.71E-08
PEF	PIP4K2C	cg20183802	rs11613457	A	G	-0.295	0.044	0.075	2.00E-11	0.012	0.005	0.009	0.012	44.948	TRUE	1.69E-10
PEF	PIP4K2C	cg20183802	rs1678508	A	G	-0.561	0.067	0.033	3.13E-17	0.014	0.007	0.043	0.019	71.222	TRUE	3.37E-16
PEF	PIP4K2C	cg20183802	rs74240697	T	C	-0.390	0.072	0.028	4.79E-08	0.023	0.007	0.002	0.008	29.784	TRUE	3.29E-07
PEF	PIP4K2C	cg20416037	rs11613457	A	G	-0.352	0.044	0.075	1.11E-15	0.012	0.005	0.009	0.017	64.194	TRUE	1.61E-14
PEF	PIP4K2C	cg20416037	rs775245	A	G	0.384	0.043	0.084	1.76E-19	0.005	0.005	0.243	0.022	81.444	TRUE	1.12E-18
PEF	PIP4K2C	cg25133016	rs11613457	A	G	-0.272	0.044	0.075	5.64E-10	0.012	0.005	0.009	0.010	38.420	TRUE	3.94E-09
PEF	PIP4K2C	cg25133016	rs775245	A	G	0.308	0.043	0.084	5.04E-13	0.005	0.005	0.243	0.014	52.159	TRUE	1.85E-12
PEF	PIP4K2C	cg26459339	rs10437954	G	A	-0.262	0.042	0.089	3.04E-10	0.000	0.004	0.951	0.011	39.625	TRUE	4.31E-10

PEF	PIP4K2C	cg26459339	rs1078109	A	G	-0.349	0.038	0.106	2.29E-20	0.003	0.004	0.434	0.023	85.479	TRUE	1.09E-19
PEF	PIP4K2C	cg26459339	rs112976255	A	C	-0.283	0.046	0.072	5.38E-10	0.006	0.005	0.222	0.010	38.512	TRUE	1.57E-09
PEF	PIP4K2C	cg26459339	rs115411964	T	A	0.398	0.053	0.044	9.49E-14	0.017	0.007	0.013	0.015	55.440	TRUE	9.79E-13
PEF	PIP4K2C	cg26459339	rs12579911	T	C	0.237	0.023	0.485	6.63E-25	0.003	0.003	0.197	0.028	106.153	TRUE	8.08E-24
PEF	PIP4K2C	cg26459339	rs1678527	T	C	-0.318	0.024	0.326	3.02E-39	0.006	0.003	0.036	0.044	171.687	TRUE	5.13E-37
PEF	PIP4K2C	cg26459339	rs1800139	C	T	0.239	0.025	0.324	9.64E-22	0.006	0.003	0.030	0.024	91.739	TRUE	2.01E-20
PEF	PIP4K2C	cg26459339	rs34556747	T	C	0.599	0.058	0.042	3.47E-25	-0.003	0.006	0.640	0.028	107.437	TRUE	1.76E-24
PEF	PIP4K2C	cg26459339	rs34790089	T	C	0.713	0.053	0.049	4.02E-41	0.010	0.006	0.132	0.046	180.272	TRUE	3.62E-39
PEF	PIP4K2C	cg26459339	rs78607331	T	C	0.468	0.084	0.043	2.21E-08	0.008	0.006	0.171	0.008	31.284	TRUE	6.13E-08
PEF	PIP4K2C	cg26459339	rs8873	A	G	0.928	0.024	0.221	<1E-200	0.004	0.003	0.226	0.282	1451.315	TRUE	3.30E-278
PEF	PLA2G3	cg05815196	rs9606828	C	T	0.343	0.050	0.058	4.48E-12	-0.003	0.005	0.626	0.013	47.878	TRUE	9.40E-12
PEF	PLA2G3	cg08457421	rs9606828	C	T	0.307	0.050	0.058	5.81E-10	-0.003	0.005	0.626	0.010	38.362	TRUE	1.07E-09
PEF	PLA2G3	cg17733820	rs149007267	T	C	-1.052	0.131	0.014	1.10E-15	-0.018	0.011	0.097	0.017	64.201	TRUE	7.52E-15
PEF	PLA2G3	cg17733820	rs2006253	C	A	-0.449	0.039	0.102	2.00E-30	-0.006	0.004	0.174	0.034	131.351	TRUE	4.49E-29
PEF	PLA2G3	cg17733820	rs2073858	C	G	-0.369	0.027	0.264	4.44E-44	0.005	0.003	0.120	0.050	193.813	TRUE	6.20E-42
PEF	PLA2G3	cg17733820	rs2074739	G	A	-0.236	0.024	0.429	3.63E-23	0.007	0.003	0.009	0.026	98.225	TRUE	1.40E-21
PEF	PLA2G3	cg17733820	rs695438	C	G	-0.329	0.024	0.382	6.38E-43	0.009	0.003	6.90E-04	0.048	188.511	TRUE	1.01E-39
PEF	PLA2G3	cg17733820	rs715297	G	A	-0.186	0.024	0.409	7.64E-15	0.003	0.003	0.257	0.016	60.394	TRUE	3.12E-14
PEF	PLA2G3	cg17733820	rs7286054	T	C	-0.188	0.033	0.155	7.77E-09	-0.002	0.004	0.588	0.009	33.314	TRUE	1.38E-08
PEF	PLA2G3	cg17733820	rs77080952	A	T	-0.886	0.109	0.029	4.40E-16	-0.003	0.008	0.698	0.018	66.011	TRUE	1.09E-15
PEF	PLA2G3	cg17733820	rs77678468	G	A	-1.412	0.045	0.064	3.35E-218	-0.002	0.005	0.771	0.212	993.618	TRUE	1.48E-198
PEF	PLA2G3	cg17733820	rs9609200	C	T	-0.142	0.026	0.302	3.40E-08	-0.005	0.003	0.079	0.008	30.449	TRUE	1.16E-07
PEF	PLA2G3	cg17733820	rs9621390	C	T	-0.145	0.026	0.279	3.34E-08	0.001	0.003	0.673	0.008	30.482	TRUE	5.35E-08
PEF	PLA2G3	cg21274025	rs3761430	T	C	0.582	0.056	0.052	1.14E-25	0.016	0.006	0.005	0.029	109.634	TRUE	7.08E-24
PEF	PLA2G3	cg21274025	rs5997977	C	T	0.133	0.024	0.382	2.46E-08	0.009	0.003	6.70E-04	0.008	31.078	TRUE	2.17E-07
PEF	PLA2G3	cg21274025	rs9621190	T	C	0.189	0.032	0.150	3.08E-09	0.005	0.004	0.173	0.009	35.111	TRUE	9.10E-09
PEF	PLA2G3	cg25137841	rs77678468	G	A	0.356	0.048	0.064	8.51E-14	-0.002	0.005	0.771	0.015	55.654	TRUE	1.70E-13
PEF	PLA2G3	cg25937577	rs9606828	C	T	0.430	0.050	0.058	3.86E-18	-0.003	0.005	0.626	0.020	75.351	TRUE	1.20E-17
PEF	PLEKHM2	cg01555432	rs146016966	T	C	-0.892	0.098	0.028	5.78E-20	0.002	0.008	0.767	0.022	83.647	TRUE	1.69E-19
PEF	PLEKHM2	cg03343063	rs9662456	T	C	0.386	0.051	0.050	2.70E-14	0.005	0.006	0.367	0.015	57.914	TRUE	8.84E-14
PEF	PLEKHM2	cg06178322	rs71631739	G	A	0.182	0.030	0.183	1.71E-09	0.005	0.003	0.161	0.010	36.254	TRUE	5.42E-09
PEF	PLEKHM2	cg07007550	rs10927840	G	A	0.401	0.028	0.232	8.82E-48	0.005	0.003	0.099	0.054	210.769	TRUE	2.32E-45
PEF	PLEKHM2	cg07007550	rs938295	T	C	0.174	0.031	0.173	1.39E-08	0.007	0.003	0.030	0.009	32.186	TRUE	6.30E-08
PEF	PLEKHM2	cg09873284	rs68052904	C	T	-0.182	0.026	0.268	3.91E-12	0.007	0.003	0.020	0.013	48.145	TRUE	2.99E-11
PEF	PLEKHM2	cg18133145	rs1108185	G	A	-0.575	0.027	0.220	6.16E-101	0.004	0.003	0.213	0.109	454.664	TRUE	6.76E-95
PEF	PLEKHM2	cg18133145	rs1240333	G	A	0.163	0.025	0.301	1.12E-10	0.002	0.003	0.416	0.011	41.577	TRUE	2.67E-10
PEF	PLEKHM2	cg18133145	rs4646082	G	T	-0.433	0.069	0.027	4.13E-10	-0.008	0.008	0.284	0.010	39.032	TRUE	1.11E-09
PEF	PLEKHM2	cg18133145	rs4661337	C	T	-0.251	0.034	0.132	1.23E-13	0.007	0.004	0.079	0.015	54.935	TRUE	7.44E-13
PEF	PLEKHM2	cg23112360	rs12745403	T	C	0.473	0.030	0.183	6.17E-57	0.004	0.003	0.190	0.064	252.728	TRUE	3.42E-54
PEF	PLEKHM2	cg23112360	rs35365738	A	G	0.206	0.025	0.311	1.26E-16	0.002	0.003	0.571	0.018	68.476	TRUE	3.71E-16
PEF	PLEKHM2	cg23112360	rs74503197	A	G	0.427	0.069	0.026	4.65E-10	0.002	0.007	0.751	0.010	38.799	TRUE	7.68E-10
PEF	PLEKHM2	cg27534772	rs12084518	A	G	0.273	0.028	0.234	6.64E-23	0.004	0.003	0.133	0.026	97.034	TRUE	8.12E-22

PEF	PLK3	cg17233819	rs10789455	T	C	-0.135	0.024	0.377	3.37E-08	-0.001	0.003	0.735	0.008	30.464	TRUE	5.14E-08
PEF	PLK3	cg17233819	rs115545367	T	G	0.287	0.052	0.053	2.88E-08	-0.006	0.005	0.273	0.008	30.767	TRUE	6.82E-08
PEF	PLK3	cg17233819	rs263973	T	C	-0.218	0.027	0.236	1.83E-15	0.004	0.003	0.157	0.017	63.203	TRUE	1.02E-14
PEF	PLK3	cg17233819	rs346714	T	C	0.238	0.035	0.129	1.95E-11	0.001	0.004	0.859	0.012	44.993	TRUE	3.16E-11
PEF	PLK3	cg17233819	rs6697153	A	T	0.356	0.030	0.181	4.43E-32	-0.008	0.003	0.013	0.036	138.913	TRUE	4.32E-30
PEF	PLK3	cg27583604	rs11211032	A	C	-0.153	0.023	0.446	5.76E-11	0.000	0.003	0.963	0.011	42.878	TRUE	8.26E-11
PEF	PML	cg09642075	rs11636016	G	T	0.169	0.024	0.385	4.61E-12	0.002	0.003	0.408	0.013	47.820	TRUE	1.20E-11
PEF	PML	cg09642075	rs76929867	T	C	-0.314	0.050	0.058	2.52E-10	0.011	0.005	0.033	0.011	39.990	TRUE	1.35E-09
PEF	PML	cg16584662	rs3784556	A	C	0.261	0.038	0.111	3.90E-12	0.007	0.004	0.096	0.013	48.149	TRUE	1.87E-11
PEF	PML	cg18136895	rs12915543	A	G	-0.140	0.024	0.389	7.88E-09	0.003	0.003	0.347	0.009	33.287	TRUE	1.80E-08
PEF	PML	cg18136895	rs145418511	G	C	-0.656	0.082	0.039	1.52E-15	0.000	0.006	0.969	0.017	63.573	TRUE	2.70E-15
PEF	PML	cg19394923	rs12911485	G	T	-0.175	0.024	0.423	2.40E-13	0.005	0.003	0.075	0.014	53.613	TRUE	1.45E-12
PEF	PML	cg19394923	rs5742914	T	C	0.392	0.036	0.119	1.18E-27	-0.016	0.004	2.94E-05	0.031	118.704	TRUE	4.25E-25
PEF	PML	cg19394923	rs79941036	T	C	-0.486	0.072	0.025	2.02E-11	-0.002	0.008	0.816	0.012	44.929	TRUE	3.38E-11
PEF	PML	cg21036936	rs12899085	A	G	0.163	0.024	0.370	2.19E-11	0.002	0.003	0.502	0.012	44.769	TRUE	4.90E-11
PEF	POU4F2	cg00505045	rs6839918	A	T	0.241	0.042	0.083	1.30E-08	-0.010	0.005	0.035	0.009	32.320	TRUE	5.67E-08
PEF	POU4F2	cg19597382	rs75445683	T	C	-0.693	0.048	0.059	4.10E-48	0.000	0.005	0.969	0.054	212.294	TRUE	1.04E-46
PEF	POU4F2	cg19597382	rs78104021	A	G	-0.304	0.045	0.069	1.87E-11	-0.003	0.005	0.576	0.012	45.076	TRUE	3.96E-11
PEF	POU4F2	cg25406138	rs6537429	A	G	0.320	0.042	0.080	4.32E-14	-0.008	0.005	0.081	0.015	56.984	TRUE	2.73E-13
PEF	PPARD	cg15611037	rs9296152	T	G	0.663	0.092	0.016	4.91E-13	0.000	0.010	0.996	0.014	52.211	TRUE	7.58E-13
PEF	PPARD	cg18204017	rs6939017	G	A	-0.341	0.056	0.049	8.08E-10	-0.018	0.006	0.004	0.010	37.720	TRUE	6.73E-09
PEF	PPARD	cg21748751	rs1053049	C	T	-0.193	0.027	0.237	1.70E-12	-0.008	0.003	0.005	0.013	49.780	TRUE	1.90E-11
PEF	PPARD	cg21748751	rs115213601	A	C	-0.464	0.073	0.029	2.03E-10	-0.005	0.014	0.702	0.011	40.417	TRUE	3.56E-10
PEF	PPARD	cg21748751	rs74912731	A	G	-0.165	0.030	0.200	3.59E-08	0.003	0.003	0.396	0.008	30.342	TRUE	7.38E-08
PEF	PPARD	cg21748751	rs7764813	A	C	-0.674	0.062	0.041	6.66E-28	-0.021	0.007	0.001	0.031	119.832	TRUE	8.33E-26
PEF	PPIF	cg03648155	rs1892498	C	T	0.265	0.030	0.487	9.61E-19	-0.004	0.003	0.103	0.021	78.096	TRUE	8.73E-18
PEF	PPIF	cg04159077	rs2233718	G	A	-0.340	0.030	0.444	4.73E-30	-0.001	0.003	0.648	0.034	129.647	TRUE	3.65E-29
PEF	PPIF	cg08514558	rs1749855	G	T	-0.186	0.024	0.370	1.63E-14	-0.003	0.003	0.263	0.016	58.898	TRUE	6.49E-14
PEF	PPIF	cg08514558	rs2186235	T	G	0.324	0.030	0.190	9.19E-27	-0.009	0.003	0.004	0.030	114.631	TRUE	6.95E-25
PEF	PPIF	cg08514558	rs2233713	C	A	0.738	0.028	0.443	8.88E-152	-0.004	0.003	0.162	0.157	688.257	TRUE	4.05E-140
PEF	PPIF	cg08514558	rs35028747	T	G	0.170	0.025	0.369	7.30E-12	0.003	0.003	0.318	0.013	46.920	TRUE	2.15E-11
PEF	PPIF	cg08514558	rs61851387	A	G	-0.352	0.051	0.055	7.38E-12	0.007	0.005	0.225	0.013	46.897	TRUE	2.51E-11
PEF	PPIF	cg09469691	rs12240802	C	G	0.406	0.067	0.059	1.10E-09	-0.005	0.005	0.373	0.010	37.112	TRUE	2.59E-09
PEF	PPIF	cg09469691	rs4980061	A	G	0.455	0.023	0.455	6.33E-87	-0.005	0.003	0.046	0.095	390.325	TRUE	2.13E-81
PEF	PPIF	cg11057378	rs2181080	G	A	0.476	0.029	0.453	7.95E-61	-0.001	0.003	0.572	0.068	270.563	TRUE	2.23E-58
PEF	PPIF	cg11057378	rs2186235	T	G	0.172	0.030	0.190	1.30E-08	-0.009	0.003	0.004	0.009	32.320	TRUE	8.64E-08
PEF	PPIF	cg19939077	rs12258151	C	T	0.396	0.062	0.040	1.63E-10	-0.005	0.007	0.462	0.011	40.839	TRUE	3.66E-10
PEF	PPIF	cg19939077	rs1923368	C	T	-0.368	0.030	0.453	4.55E-35	-0.002	0.003	0.544	0.040	152.575	TRUE	6.47E-34
PEF	PPIF	cg26584456	rs10824744	G	A	-0.363	0.030	0.189	1.06E-33	-0.009	0.003	0.004	0.038	146.317	TRUE	2.05E-31
PEF	PPIF	cg26584456	rs111346635	T	C	0.545	0.064	0.074	1.63E-17	0.005	0.004	0.273	0.019	72.507	TRUE	8.16E-17
PEF	PPIF	cg26584456	rs11813368	C	T	0.199	0.032	0.160	6.87E-10	-0.010	0.004	0.005	0.010	38.038	TRUE	5.47E-09
PEF	PPIF	cg26584456	rs12258775	G	A	0.559	0.062	0.040	1.78E-19	-0.005	0.007	0.407	0.022	81.429	TRUE	8.16E-19

PEF	PPIF	cg26584456	rs1923360	C	T	-0.161	0.027	0.239	4.21E-09	0.006	0.003	0.061	0.009	34.507	TRUE	1.72E-08
PEF	PPIF	cg26584456	rs35028747	T	G	-0.267	0.025	0.369	3.08E-27	0.003	0.003	0.318	0.031	116.799	TRUE	3.32E-26
PEF	PPP1CA	cg09190408	rs61891307	A	C	0.529	0.087	0.017	1.06E-09	0.001	0.009	0.910	0.010	37.188	TRUE	1.52E-09
PEF	PPP1CA	cg09190408	rs872109	T	G	0.636	0.048	0.062	9.58E-40	0.012	0.005	0.022	0.045	173.972	TRUE	2.04E-37
PEF	PPP1CA	cg12939085	rs10896164	G	A	0.379	0.056	0.046	1.10E-11	-0.011	0.007	0.086	0.012	46.112	TRUE	5.24E-11
PEF	PPP1CA	cg12939085	rs10896171	T	C	0.842	0.074	0.024	1.05E-29	0.016	0.007	0.032	0.033	128.064	TRUE	5.26E-28
PEF	PPP1CA	cg12939085	rs12278036	G	A	0.217	0.039	0.100	3.56E-08	-0.002	0.004	0.713	0.008	30.357	TRUE	5.49E-08
PEF	PPP3CC	cg13180375	rs2122877	C	T	0.316	0.027	0.344	3.13E-32	-0.006	0.003	0.016	0.036	139.604	TRUE	3.14E-30
PEF	PPP3CC	cg20910008	rs12546391	C	T	0.319	0.058	0.054	3.56E-08	-0.004	0.006	0.469	0.008	30.361	TRUE	6.72E-08
PEF	PPP3R1	cg14414124	rs62143871	A	C	-0.198	0.024	0.384	6.90E-17	0.004	0.003	0.094	0.018	69.663	TRUE	5.28E-16
PEF	PPP3R1	cg16179607	rs10195757	T	C	0.490	0.024	0.358	1.23E-93	-0.006	0.003	0.038	0.102	421.139	TRUE	1.59E-87
PEF	PPP3R1	cg16179607	rs7592330	G	A	0.143	0.024	0.467	1.28E-09	0.000	0.003	0.916	0.010	36.829	TRUE	1.82E-09
PEF	PPP3R1	cg19015708	rs11126179	C	T	-0.303	0.023	0.397	1.86E-38	0.006	0.003	0.030	0.043	168.071	TRUE	2.85E-36
PEF	PPP3R1	cg19015708	rs1867312	C	A	0.135	0.024	0.451	1.16E-08	0.001	0.003	0.587	0.009	32.541	TRUE	2.05E-08
PEF	PPP3R1	cg19015708	rs4078978	T	C	-0.318	0.045	0.074	1.07E-12	-0.002	0.005	0.715	0.014	50.690	TRUE	2.11E-12
PEF	PPP3R1	cg19015708	rs6546359	G	C	0.442	0.026	0.259	8.90E-64	-0.001	0.003	0.739	0.071	284.096	TRUE	2.52E-61
PEF	PPP3R1	cg19015708	rs74434844	C	T	0.394	0.057	0.047	5.45E-12	0.008	0.006	0.189	0.013	47.493	TRUE	2.02E-11
PEF	PPT2	cg00110832	rs3130284	C	T	-0.184	0.027	0.236	2.15E-11	-0.033	0.003	1.11E-28	0.012	44.807	TRUE	3.49E-08
PEF	PPT2	cg00552704	rs3130284	C	T	-0.283	0.027	0.236	4.55E-25	-0.033	0.003	1.11E-28	0.028	106.896	TRUE	8.63E-20
PEF	PPT2	cg00552704	rs35915063	G	A	0.187	0.032	0.171	2.96E-09	0.030	0.003	7.67E-20	0.009	35.193	TRUE	7.12E-07
PEF	PPT2	cg00552704	rs6906662	A	G	-0.276	0.049	0.062	2.09E-08	-0.002	0.005	0.740	0.008	31.395	TRUE	3.18E-08
PEF	PPT2	cg00552704	rs805305	G	C	-0.164	0.025	0.362	4.68E-11	-0.016	0.003	3.70E-09	0.012	43.283	TRUE	3.28E-09
PEF	PPT2	cg00552704	rs9267817	A	G	0.488	0.029	0.212	1.53E-65	0.002	0.003	0.426	0.073	292.192	TRUE	1.21E-62
PEF	PPT2	cg00933538	rs115884658	A	G	0.645	0.092	0.021	1.80E-12	-0.006	0.009	0.514	0.013	49.661	TRUE	4.34E-12
PEF	PPT2	cg00933538	rs116416438	A	G	0.523	0.077	0.021	1.42E-11	0.019	0.009	0.033	0.012	45.613	TRUE	8.98E-11
PEF	PPT2	cg00933538	rs2854260	T	C	0.295	0.032	0.169	5.40E-20	0.030	0.003	7.67E-20	0.022	83.782	TRUE	4.06E-16
PEF	PPT2	cg00933538	rs3130284	C	T	-0.321	0.027	0.236	6.57E-32	-0.033	0.003	1.11E-28	0.036	138.130	TRUE	9.76E-26
PEF	PPT2	cg00933538	rs3213490	T	C	0.186	0.023	0.447	2.10E-15	0.023	0.003	4.21E-20	0.017	62.934	TRUE	4.76E-12
PEF	PPT2	cg00933538	rs707930	T	C	0.254	0.024	0.464	1.32E-26	0.013	0.003	2.04E-07	0.030	113.915	TRUE	1.22E-23
PEF	PPT2	cg00933538	rs9267817	A	G	0.763	0.028	0.212	1.04E-168	0.002	0.003	0.426	0.172	766.087	TRUE	1.27E-155
PEF	PPT2	cg01111041	rs1269839	T	G	0.317	0.050	0.055	2.24E-10	-0.012	0.006	0.025	0.011	40.225	TRUE	1.33E-09
PEF	PPT2	cg02956248	rs3130283	A	C	0.261	0.032	0.161	2.57E-16	0.002	0.004	0.586	0.018	67.070	TRUE	7.34E-16
PEF	PPT2	cg03434432	rs151719	C	T	-0.310	0.027	0.248	7.99E-31	-0.003	0.003	0.380	0.035	133.172	TRUE	1.08E-29
PEF	PPT2	cg03434432	rs176095	G	A	0.278	0.026	0.259	1.00E-25	-0.032	0.003	8.30E-29	0.029	109.894	TRUE	2.57E-20
PEF	PPT2	cg03434432	rs241447	C	T	0.172	0.028	0.242	4.51E-10	0.009	0.003	0.002	0.010	38.859	TRUE	4.56E-09
PEF	PPT2	cg03434432	rs2844512	C	G	-0.328	0.024	0.392	9.39E-43	0.007	0.003	0.006	0.048	187.745	TRUE	5.62E-40
PEF	PPT2	cg03434432	rs3130283	A	C	-1.178	0.025	0.161	<1E-200	0.002	0.004	0.586	0.368	2152.006	TRUE	<1E-200
PEF	PPT2	cg03434432	rs3130934	A	C	-0.384	0.025	0.316	1.48E-51	0.014	0.003	8.68E-08	0.058	228.066	TRUE	1.63E-46
PEF	PPT2	cg03434432	rs3131627	A	G	-0.331	0.024	0.404	2.53E-44	0.001	0.003	0.687	0.050	194.931	TRUE	7.00E-43
PEF	PPT2	cg03434432	rs34137317	T	C	-0.985	0.096	0.020	8.43E-25	-0.019	0.010	0.045	0.028	105.677	TRUE	2.06E-23
PEF	PPT2	cg03434432	rs3819306	G	A	0.159	0.024	0.382	3.03E-11	0.011	0.003	2.75E-05	0.012	44.131	TRUE	7.17E-10
PEF	PPT2	cg03434432	rs41316200	T	C	0.224	0.031	0.171	8.26E-13	0.034	0.004	7.92E-21	0.014	51.192	TRUE	8.16E-10

PEF	PPT2	cg03434432	rs429608	A	G	0.207	0.032	0.156	1.10E-10	0.005	0.003	0.196	0.011	41.604	TRUE	3.69E-10
PEF	PPT2	cg03434432	rs537757	T	A	0.274	0.024	0.373	2.41E-29	0.014	0.003	3.06E-08	0.033	126.414	TRUE	4.70E-26
PEF	PPT2	cg03434432	rs805825	A	G	0.302	0.024	0.445	2.82E-37	-0.017	0.003	4.72E-11	0.042	162.674	TRUE	1.10E-32
PEF	PPT2	cg03434432	rs9267817	A	G	0.202	0.029	0.212	3.03E-12	0.002	0.003	0.426	0.013	48.643	TRUE	7.83E-12
PEF	PPT2	cg03434432	rs9273748	A	C	0.238	0.038	0.104	2.36E-10	-0.018	0.004	6.00E-06	0.011	40.123	TRUE	5.66E-09
PEF	PPT2	cg03434432	rs9469089	C	G	0.201	0.033	0.144	1.88E-09	0.010	0.004	0.003	0.010	36.072	TRUE	1.48E-08
PEF	PPT2	cg03995156	rs1269839	T	G	-0.353	0.050	0.055	1.43E-12	-0.012	0.006	0.025	0.013	50.114	TRUE	1.10E-11
PEF	PPT2	cg03995156	rs2596496	C	G	-0.142	0.025	0.336	8.79E-09	-0.003	0.003	0.290	0.009	33.075	TRUE	2.09E-08
PEF	PPT2	cg03995156	rs2844512	C	G	-0.180	0.024	0.392	1.01E-13	0.007	0.003	0.006	0.015	55.323	TRUE	1.27E-12
PEF	PPT2	cg03995156	rs3130283	A	C	-0.472	0.032	0.161	1.54E-50	0.002	0.004	0.586	0.057	223.401	TRUE	1.10E-48
PEF	PPT2	cg03995156	rs397515530	A	G	0.160	0.026	0.297	5.79E-10	0.018	0.003	5.06E-11	0.010	38.369	TRUE	4.15E-08
PEF	PPT2	cg03995156	rs805825	A	G	0.197	0.024	0.445	1.56E-16	-0.017	0.003	4.72E-11	0.018	68.055	TRUE	6.78E-14
PEF	PPT2	cg03995156	rs9264642	T	C	-0.135	0.024	0.393	2.62E-08	-0.028	0.003	2.58E-27	0.008	30.953	TRUE	9.65E-06
PEF	PPT2	cg03995156	rs9270505	A	G	-0.192	0.024	0.424	5.16E-16	0.005	0.003	0.079	0.017	65.698	TRUE	3.86E-15
PEF	PPT2	cg03995156	rs9276816	T	C	0.138	0.024	0.423	5.69E-09	-0.001	0.003	0.604	0.009	33.921	TRUE	9.92E-09
PEF	PPT2	cg04536704	rs151719	C	T	-0.176	0.027	0.248	6.97E-11	-0.003	0.003	0.380	0.011	42.504	TRUE	1.78E-10
PEF	PPT2	cg04536704	rs2844512	C	G	-0.233	0.024	0.392	3.46E-22	0.007	0.003	0.006	0.025	93.767	TRUE	1.29E-20
PEF	PPT2	cg04536704	rs3130283	A	C	-0.539	0.031	0.161	2.04E-66	0.002	0.004	0.586	0.074	296.202	TRUE	1.24E-63
PEF	PPT2	cg04536704	rs3130284	C	T	0.263	0.027	0.236	6.99E-22	-0.033	0.003	1.11E-28	0.024	92.377	TRUE	4.83E-17
PEF	PPT2	cg04536704	rs3131627	A	G	-0.190	0.024	0.404	1.46E-15	0.001	0.003	0.687	0.017	63.653	TRUE	3.47E-15
PEF	PPT2	cg04536704	rs743401	C	T	-0.159	0.024	0.404	1.89E-11	0.018	0.003	9.19E-13	0.012	45.062	TRUE	3.35E-09
PEF	PPT2	cg04536704	rs7755290	G	A	-0.273	0.050	0.054	4.74E-08	-0.012	0.006	0.032	0.008	29.805	TRUE	1.95E-07
PEF	PPT2	cg04536704	rs805825	A	G	0.237	0.024	0.445	1.94E-23	-0.017	0.003	4.72E-11	0.026	99.465	TRUE	4.03E-20
PEF	PPT2	cg04536704	rs9265494	C	T	0.206	0.025	0.336	4.75E-16	-0.013	0.003	4.04E-07	0.017	65.860	TRUE	5.28E-14
PEF	PPT2	cg04536704	rs9270505	A	G	-0.232	0.024	0.424	7.17E-23	0.005	0.003	0.079	0.026	96.882	TRUE	1.08E-21
PEF	PPT2	cg04536704	rs9276582	C	G	0.216	0.030	0.185	6.55E-13	-0.020	0.003	1.02E-08	0.014	51.646	TRUE	6.13E-11
PEF	PPT2	cg04536704	rs9276816	T	C	0.138	0.024	0.423	4.97E-09	-0.001	0.003	0.604	0.009	34.184	TRUE	8.69E-09
PEF	PPT2	cg04749507	rs114004994	C	G	0.523	0.061	0.036	9.02E-18	0.016	0.006	0.012	0.020	73.677	TRUE	1.58E-16
PEF	PPT2	cg04749507	rs1573648	A	G	-0.132	0.024	0.456	2.13E-08	0.016	0.003	5.51E-10	0.008	31.353	TRUE	8.71E-07
PEF	PPT2	cg04749507	rs9267817	A	G	-0.445	0.029	0.212	1.05E-54	0.002	0.003	0.426	0.062	242.497	TRUE	1.82E-52
PEF	PPT2	cg04856022	rs1269839	T	G	-0.307	0.050	0.055	8.37E-10	-0.012	0.006	0.025	0.010	37.652	TRUE	4.62E-09
PEF	PPT2	cg04856022	rs151719	C	T	-0.151	0.027	0.248	2.31E-08	-0.003	0.003	0.380	0.008	31.196	TRUE	4.90E-08
PEF	PPT2	cg04856022	rs17843619	C	A	-0.182	0.023	0.496	3.73E-15	0.016	0.003	2.88E-10	0.016	61.806	TRUE	8.56E-13
PEF	PPT2	cg04856022	rs2844512	C	G	-0.243	0.024	0.392	6.88E-24	0.007	0.003	0.006	0.027	101.521	TRUE	3.18E-22
PEF	PPT2	cg04856022	rs3130283	A	C	-0.577	0.031	0.161	1.19E-75	0.002	0.004	0.586	0.084	338.570	TRUE	3.01E-72
PEF	PPT2	cg04856022	rs3131627	A	G	-0.196	0.024	0.404	2.21E-16	0.001	0.003	0.687	0.018	67.368	TRUE	5.55E-16
PEF	PPT2	cg04856022	rs3134944	T	C	0.293	0.027	0.237	1.06E-26	-0.033	0.003	1.03E-28	0.030	114.349	TRUE	3.32E-21
PEF	PPT2	cg04856022	rs805825	A	G	0.243	0.024	0.445	1.60E-24	-0.017	0.003	4.72E-11	0.027	104.403	TRUE	4.21E-21
PEF	PPT2	cg04856022	rs9263787	T	A	-0.174	0.024	0.404	3.10E-13	0.018	0.003	9.02E-13	0.014	53.118	TRUE	9.06E-11
PEF	PPT2	cg04856022	rs9265494	C	T	0.210	0.025	0.336	1.37E-16	-0.013	0.003	4.04E-07	0.018	68.308	TRUE	1.69E-14
PEF	PPT2	cg04856022	rs9270505	A	G	-0.229	0.024	0.424	2.71E-22	0.005	0.003	0.079	0.025	94.251	TRUE	3.85E-21
PEF	PPT2	cg04856022	rs9276582	C	G	0.215	0.030	0.185	1.16E-12	-0.020	0.003	1.02E-08	0.013	50.520	TRUE	1.03E-10

PEF	PPT2	cg04856022	rs9276816	T	C	0.167	0.024	0.423	1.99E-12	-0.001	0.003	0.604	0.013	49.465	TRUE	4.27E-12
PEF	PPT2	cg04877280	rs2763979	T	C	0.147	0.025	0.351	2.80E-09	-0.018	0.003	2.70E-11	0.009	35.297	TRUE	1.92E-07
PEF	PPT2	cg04877280	rs3130283	A	C	-0.319	0.032	0.161	7.18E-24	0.002	0.004	0.586	0.027	101.436	TRUE	3.56E-23
PEF	PPT2	cg05133205	rs3130071	T	A	0.206	0.033	0.148	3.23E-10	-0.001	0.004	0.876	0.011	39.509	TRUE	4.87E-10
PEF	PPT2	cg05133205	rs3130348	A	C	-0.309	0.027	0.237	1.11E-29	-0.033	0.003	1.21E-28	0.033	127.959	TRUE	8.51E-24
PEF	PPT2	cg05133205	rs6906662	A	G	-0.276	0.049	0.062	2.19E-08	-0.002	0.005	0.740	0.008	31.304	TRUE	3.33E-08
PEF	PPT2	cg05133205	rs805305	G	C	-0.228	0.025	0.362	4.89E-20	-0.016	0.003	3.70E-09	0.022	83.977	TRUE	2.54E-17
PEF	PPT2	cg05133205	rs9267817	A	G	0.407	0.029	0.212	1.00E-45	0.002	0.003	0.426	0.052	201.349	TRUE	5.68E-44
PEF	PPT2	cg05133205	rs9276582	C	G	-0.184	0.030	0.185	1.12E-09	-0.020	0.003	1.02E-08	0.010	37.082	TRUE	4.87E-08
PEF	PPT2	cg05323467	rs9267817	A	G	0.214	0.029	0.212	9.32E-14	0.002	0.003	0.426	0.015	55.477	TRUE	2.68E-13
PEF	PPT2	cg06025456	rs6457535	A	G	0.198	0.032	0.158	4.32E-10	0.003	0.004	0.380	0.010	38.942	TRUE	1.03E-09
PEF	PPT2	cg06108383	rs3130283	A	C	0.264	0.032	0.161	1.09E-16	0.002	0.004	0.586	0.018	68.758	TRUE	3.20E-16
PEF	PPT2	cg06264679	rs116416438	A	G	0.445	0.078	0.021	9.86E-09	0.019	0.009	0.033	0.009	32.850	TRUE	4.45E-08
PEF	PPT2	cg06264679	rs2243873	C	A	-0.143	0.024	0.459	2.38E-09	-0.016	0.003	3.83E-10	0.010	35.612	TRUE	1.33E-07
PEF	PPT2	cg06264679	rs3130284	C	T	-0.271	0.027	0.236	4.71E-23	-0.033	0.003	1.11E-28	0.026	97.712	TRUE	4.74E-18
PEF	PPT2	cg06264679	rs6457646	A	G	0.136	0.023	0.447	6.79E-09	0.023	0.003	4.33E-20	0.009	33.575	TRUE	1.56E-06
PEF	PPT2	cg06264679	rs805305	G	C	-0.190	0.025	0.362	2.65E-14	-0.016	0.003	3.70E-09	0.015	57.945	TRUE	3.99E-12
PEF	PPT2	cg06264679	rs9267817	A	G	0.542	0.028	0.212	4.40E-81	0.002	0.003	0.426	0.089	363.506	TRUE	4.27E-77
PEF	PPT2	cg06814287	rs2596464	T	C	0.137	0.024	0.464	5.58E-09	0.010	0.003	1.28E-04	0.009	33.958	TRUE	7.15E-08
PEF	PPT2	cg06814287	rs3130283	A	C	0.262	0.032	0.161	1.99E-16	0.002	0.004	0.586	0.018	67.575	TRUE	5.72E-16
PEF	PPT2	cg06814287	rs3130284	C	T	-0.258	0.027	0.236	4.79E-21	-0.033	0.003	1.11E-28	0.023	88.567	TRUE	2.53E-16
PEF	PPT2	cg06814287	rs3957147	T	C	-0.203	0.030	0.188	2.66E-11	-0.028	0.003	4.32E-18	0.012	44.390	TRUE	1.00E-08
PEF	PPT2	cg06814287	rs805825	A	G	-0.130	0.024	0.445	4.90E-08	-0.017	0.003	4.72E-11	0.008	29.741	TRUE	2.26E-06
PEF	PPT2	cg06814287	rs909253	G	A	-0.137	0.024	0.360	1.98E-08	-0.003	0.003	0.338	0.008	31.495	TRUE	4.39E-08
PEF	PPT2	cg06832687	rs151719	C	T	-0.159	0.027	0.248	4.00E-09	-0.003	0.003	0.380	0.009	34.603	TRUE	8.97E-09
PEF	PPT2	cg06832687	rs2596496	C	G	-0.163	0.025	0.336	3.15E-11	-0.003	0.003	0.290	0.012	44.059	TRUE	9.07E-11
PEF	PPT2	cg06832687	rs2844512	C	G	-0.146	0.024	0.392	1.52E-09	0.007	0.003	0.006	0.010	36.488	TRUE	1.09E-08
PEF	PPT2	cg06832687	rs3130283	A	C	-0.524	0.031	0.161	1.14E-62	0.002	0.004	0.586	0.070	279.013	TRUE	4.02E-60
PEF	PPT2	cg06832687	rs3130934	A	C	-0.163	0.026	0.316	2.20E-10	0.014	0.003	8.68E-08	0.011	40.259	TRUE	8.92E-09
PEF	PPT2	cg06832687	rs805825	A	G	0.190	0.024	0.445	1.60E-15	-0.017	0.003	4.72E-11	0.017	63.465	TRUE	5.47E-13
PEF	PPT2	cg06832687	rs9265494	C	T	0.146	0.025	0.336	9.57E-09	-0.013	0.003	4.04E-07	0.009	32.909	TRUE	2.29E-07
PEF	PPT2	cg06832687	rs9270505	A	G	-0.176	0.024	0.424	7.81E-14	0.005	0.003	0.079	0.015	55.822	TRUE	4.69E-13
PEF	PPT2	cg06832687	rs9273710	G	A	-0.172	0.023	0.475	2.15E-13	0.019	0.003	5.07E-13	0.014	53.834	TRUE	6.97E-11
PEF	PPT2	cg06832687	rs9276816	T	C	0.137	0.024	0.423	7.00E-09	-0.001	0.003	0.604	0.009	33.518	TRUE	1.21E-08
PEF	PPT2	cg06902929	rs1269839	T	G	-0.423	0.050	0.055	1.69E-17	-0.012	0.006	0.025	0.019	72.440	TRUE	2.30E-16
PEF	PPT2	cg06902929	rs184006295	T	C	-0.194	0.033	0.130	5.99E-09	-0.017	0.004	1.18E-05	0.009	33.820	TRUE	1.04E-07
PEF	PPT2	cg06902929	rs2844512	C	G	-0.142	0.024	0.392	4.21E-09	0.007	0.003	0.006	0.009	34.508	TRUE	2.82E-08
PEF	PPT2	cg06902929	rs9267817	A	G	0.161	0.029	0.212	2.71E-08	0.002	0.003	0.426	0.008	30.890	TRUE	5.32E-08
PEF	PPT2	cg08057899	rs3134944	T	C	-0.250	0.027	0.237	3.02E-20	-0.033	0.003	1.03E-28	0.022	84.930	TRUE	1.22E-15
PEF	PPT2	cg08295094	rs1055890	G	A	0.162	0.025	0.356	4.91E-11	0.022	0.003	1.29E-17	0.012	43.189	TRUE	1.70E-08
PEF	PPT2	cg08295094	rs111301312	G	T	-0.443	0.059	0.039	5.14E-14	-0.007	0.006	0.308	0.015	56.644	TRUE	1.84E-13
PEF	PPT2	cg08295094	rs1419881	A	G	-0.190	0.023	0.488	2.91E-16	-0.027	0.003	3.52E-27	0.018	66.827	TRUE	2.83E-12

PEF	PPT2	cg08295094	rs2243873	C	A	-0.215	0.024	0.459	1.16E-19	-0.016	0.003	3.83E-10	0.022	82.276	TRUE	7.59E-17
PEF	PPT2	cg08295094	rs2395191	T	C	0.191	0.025	0.357	1.17E-14	0.005	0.003	0.103	0.016	59.547	TRUE	7.15E-14
PEF	PPT2	cg08295094	rs2844512	C	G	0.189	0.024	0.392	3.83E-15	0.007	0.003	0.006	0.016	61.752	TRUE	5.79E-14
PEF	PPT2	cg08295094	rs3130348	A	C	-0.636	0.026	0.237	2.71E-129	-0.033	0.003	1.21E-28	0.137	584.928	TRUE	1.81E-110
PEF	PPT2	cg08295094	rs41543814	T	C	0.196	0.024	0.417	1.24E-16	0.020	0.003	3.04E-15	0.018	68.516	TRUE	1.54E-13
PEF	PPT2	cg08295094	rs522254	G	A	0.215	0.028	0.207	2.81E-14	0.020	0.003	7.46E-11	0.015	57.833	TRUE	6.21E-12
PEF	PPT2	cg08295094	rs71543427	A	C	-0.500	0.077	0.024	1.05E-10	-0.026	0.009	0.003	0.011	41.698	TRUE	1.02E-09
PEF	PPT2	cg08295094	rs805305	G	C	-0.255	0.025	0.362	3.92E-25	-0.016	0.003	3.70E-09	0.028	107.194	TRUE	5.73E-22
PEF	PPT2	cg08295094	rs9265494	C	T	-0.153	0.025	0.336	1.62E-09	-0.013	0.003	4.04E-07	0.010	36.361	TRUE	4.64E-08
PEF	PPT2	cg08295094	rs9266225	C	T	0.152	0.026	0.310	3.63E-09	0.009	0.003	0.002	0.009	34.794	TRUE	3.14E-08
PEF	PPT2	cg08295094	rs9267817	A	G	0.190	0.029	0.212	4.04E-11	0.002	0.003	0.426	0.012	43.571	TRUE	9.65E-11
PEF	PPT2	cg08295094	rs9273325	A	G	-0.324	0.032	0.150	1.15E-24	-0.035	0.003	2.13E-25	0.028	105.065	TRUE	1.05E-19
PEF	PPT2	cg10551329	rs3130283	A	C	0.182	0.032	0.161	1.07E-08	0.002	0.004	0.586	0.009	32.689	TRUE	1.89E-08
PEF	PPT2	cg11122280	rs1269839	T	G	0.483	0.050	0.055	1.72E-22	-0.012	0.006	0.025	0.025	95.154	TRUE	4.17E-21
PEF	PPT2	cg11386011	rs3131297	T	A	-0.195	0.028	0.236	1.33E-12	-0.033	0.003	7.70E-29	0.013	50.254	TRUE	3.59E-09
PEF	PPT2	cg11386011	rs9267817	A	G	0.165	0.029	0.212	1.35E-08	0.002	0.003	0.426	0.009	32.246	TRUE	2.70E-08
PEF	PPT2	cg11941520	rs176095	G	A	-0.180	0.027	0.259	1.24E-11	-0.032	0.003	8.30E-29	0.012	45.889	TRUE	2.35E-08
PEF	PPT2	cg11941520	rs2854260	T	C	0.219	0.032	0.169	1.19E-11	0.030	0.003	7.67E-20	0.012	45.955	TRUE	6.81E-09
PEF	PPT2	cg11941520	rs805305	G	C	-0.162	0.025	0.362	8.06E-11	-0.016	0.003	3.70E-09	0.011	42.221	TRUE	5.33E-09
PEF	PPT2	cg11941520	rs9267817	A	G	0.502	0.029	0.212	2.19E-69	0.002	0.003	0.426	0.077	309.825	TRUE	3.12E-66
PEF	PPT2	cg12585943	rs3130348	A	C	-0.263	0.027	0.237	6.97E-22	-0.033	0.003	1.21E-28	0.024	92.383	TRUE	4.82E-17
PEF	PPT2	cg12585943	rs805305	G	C	-0.208	0.025	0.362	5.47E-17	-0.016	0.003	3.70E-09	0.019	70.122	TRUE	1.49E-14
PEF	PPT2	cg12585943	rs9267817	A	G	0.449	0.029	0.212	1.27E-55	0.002	0.003	0.426	0.063	246.711	TRUE	2.48E-53
PEF	PPT2	cg12738718	rs3130348	A	C	-0.186	0.028	0.237	1.48E-11	-0.033	0.003	1.21E-28	0.012	45.531	TRUE	2.57E-08
PEF	PPT2	cg12738718	rs805825	A	G	-0.145	0.024	0.445	1.22E-09	-0.017	0.003	4.72E-11	0.010	36.921	TRUE	9.02E-08
PEF	PPT2	cg12738718	rs9267817	A	G	0.257	0.029	0.212	5.94E-19	0.002	0.003	0.426	0.021	79.044	TRUE	2.52E-18
PEF	PPT2	cg12883279	rs1061808	T	G	0.147	0.024	0.377	1.07E-09	0.011	0.003	1.57E-05	0.010	37.182	TRUE	2.01E-08
PEF	PPT2	cg13102294	rs3134947	T	C	-0.264	0.027	0.237	5.81E-22	-0.033	0.003	1.64E-28	0.024	92.741	TRUE	4.01E-17
PEF	PPT2	cg13102294	rs805305	G	C	-0.196	0.025	0.362	4.09E-15	-0.016	0.003	3.70E-09	0.016	61.623	TRUE	7.39E-13
PEF	PPT2	cg13102294	rs9267817	A	G	0.476	0.029	0.212	1.78E-62	0.002	0.003	0.426	0.070	278.133	TRUE	9.00E-60
PEF	PPT2	cg13934406	rs3117578	A	G	0.205	0.032	0.153	1.43E-10	-0.001	0.004	0.807	0.011	41.096	TRUE	2.34E-10
PEF	PPT2	cg14130039	rs3130348	A	C	-0.205	0.027	0.237	8.52E-14	-0.033	0.003	1.21E-28	0.015	55.652	TRUE	3.56E-10
PEF	PPT2	cg14130039	rs805305	G	C	-0.152	0.025	0.362	1.06E-09	-0.016	0.003	3.70E-09	0.010	37.197	TRUE	5.27E-08
PEF	PPT2	cg14130039	rs9267817	A	G	0.289	0.029	0.212	1.62E-23	0.002	0.003	0.426	0.026	99.830	TRUE	9.88E-23
PEF	PPT2	cg14237933	rs9267817	A	G	0.227	0.028	0.212	1.32E-15	0.002	0.003	0.426	0.017	63.856	TRUE	4.33E-15
PEF	PPT2	cg15755475	rs116329723	G	T	-1.085	0.104	0.015	1.37E-25	0.012	0.011	0.291	0.029	109.282	TRUE	1.35E-24
PEF	PPT2	cg15755475	rs1269839	T	G	-1.575	0.044	0.055	5.20E-284	-0.012	0.006	0.025	0.259	1296.250	TRUE	8.16E-250
PEF	PPT2	cg15755475	rs1419881	A	G	-0.197	0.023	0.488	3.10E-17	-0.027	0.003	3.52E-27	0.019	71.243	TRUE	4.23E-13
PEF	PPT2	cg15755475	rs187764	T	C	-0.490	0.046	0.068	4.81E-26	-0.013	0.005	0.008	0.029	111.351	TRUE	2.78E-24
PEF	PPT2	cg15755475	rs2261033	G	A	0.203	0.024	0.418	1.00E-17	0.026	0.003	1.67E-24	0.019	73.472	TRUE	1.08E-13
PEF	PPT2	cg15755475	rs2516466	T	G	0.145	0.024	0.446	7.51E-10	0.006	0.003	0.014	0.010	37.864	TRUE	4.79E-09
PEF	PPT2	cg15755475	rs28366176	G	T	-0.443	0.031	0.152	1.77E-46	0.004	0.003	0.271	0.052	204.802	TRUE	1.73E-44

PEF	PPT2	cg15755475	rs41543814	T	C	-0.158	0.024	0.417	2.86E-11	0.020	0.003	3.04E-15	0.012	44.247	TRUE	7.52E-09
PEF	PPT2	cg15755475	rs6457646	A	G	0.154	0.023	0.447	3.75E-11	0.023	0.003	4.33E-20	0.012	43.717	TRUE	2.00E-08
PEF	PPT2	cg15755475	rs73404226	A	T	-0.455	0.071	0.027	1.19E-10	-0.001	0.008	0.869	0.011	41.455	TRUE	1.83E-10
PEF	PPT2	cg15755475	rs7889	C	G	0.155	0.024	0.363	1.77E-10	0.002	0.003	0.417	0.011	40.688	TRUE	4.12E-10
PEF	PPT2	cg15755475	rs9266253	G	C	-0.254	0.031	0.178	8.19E-17	0.016	0.003	3.94E-07	0.018	69.326	TRUE	9.90E-15
PEF	PPT2	cg17113856	rs3130071	T	A	0.282	0.033	0.148	7.15E-18	-0.001	0.004	0.876	0.020	74.133	TRUE	1.63E-17
PEF	PPT2	cg17229678	rs114004994	C	G	-0.414	0.061	0.036	1.30E-11	0.016	0.006	0.012	0.012	45.793	TRUE	1.06E-10
PEF	PPT2	cg17229678	rs115884658	A	G	0.698	0.091	0.021	2.40E-14	-0.006	0.009	0.514	0.015	58.145	TRUE	6.55E-14
PEF	PPT2	cg17229678	rs116416438	A	G	0.497	0.078	0.021	1.46E-10	0.019	0.009	0.033	0.011	41.057	TRUE	8.21E-10
PEF	PPT2	cg17229678	rs116744327	A	G	0.330	0.056	0.050	3.48E-09	0.004	0.005	0.458	0.009	34.876	TRUE	7.13E-09
PEF	PPT2	cg17229678	rs12660769	G	C	0.280	0.044	0.074	1.69E-10	0.020	0.004	8.12E-06	0.011	40.778	TRUE	4.14E-09
PEF	PPT2	cg17229678	rs2243873	C	A	-0.166	0.024	0.459	3.10E-12	-0.016	0.003	3.83E-10	0.013	48.599	TRUE	3.67E-10
PEF	PPT2	cg17229678	rs23544	T	C	0.137	0.024	0.410	1.34E-08	0.009	0.003	4.30E-04	0.009	32.249	TRUE	1.37E-07
PEF	PPT2	cg17229678	rs2844470	T	A	0.262	0.048	0.071	4.96E-08	0.007	0.005	0.177	0.008	29.717	TRUE	1.32E-07
PEF	PPT2	cg17229678	rs3130284	C	T	-0.331	0.027	0.236	1.06E-33	-0.033	0.003	1.11E-28	0.038	146.320	TRUE	2.66E-27
PEF	PPT2	cg17229678	rs6457646	A	G	0.186	0.023	0.447	1.96E-15	0.023	0.003	4.33E-20	0.017	63.068	TRUE	4.36E-12
PEF	PPT2	cg17229678	rs6914412	C	T	-0.217	0.040	0.094	4.65E-08	-0.018	0.004	4.01E-05	0.008	29.841	TRUE	5.54E-07
PEF	PPT2	cg17229678	rs707974	G	A	0.216	0.038	0.100	1.26E-08	0.042	0.004	1.88E-24	0.009	32.378	TRUE	4.10E-06
PEF	PPT2	cg17229678	rs805305	G	C	-0.257	0.025	0.362	4.32E-25	-0.016	0.003	3.70E-09	0.028	107.004	TRUE	6.25E-22
PEF	PPT2	cg17229678	rs9267817	A	G	0.799	0.027	0.212	3.47E-186	0.002	0.003	0.426	0.186	846.420	TRUE	1.02E-170
PEF	PPT2	cg17229678	rs9273501	A	T	0.208	0.024	0.352	5.43E-18	0.013	0.003	1.14E-06	0.020	74.676	TRUE	7.69E-16
PEF	PPT2	cg17329164	rs3130284	C	T	-0.279	0.027	0.236	2.02E-24	-0.033	0.003	1.11E-28	0.027	103.946	TRUE	3.13E-19
PEF	PPT2	cg17329164	rs805305	G	C	-0.215	0.025	0.362	6.01E-18	-0.016	0.003	3.70E-09	0.020	74.477	TRUE	2.01E-15
PEF	PPT2	cg17329164	rs9267817	A	G	0.463	0.029	0.212	4.63E-59	0.002	0.003	0.426	0.066	262.469	TRUE	1.45E-56
PEF	PPT2	cg17384105	rs34451818	G	C	0.533	0.048	0.048	4.13E-28	0.067	0.005	7.69E-37	0.032	120.780	TRUE	1.15E-21
PEF	PPT2	cg19048176	rs9267817	A	G	-0.197	0.028	0.212	4.50E-12	0.002	0.003	0.426	0.013	47.868	TRUE	1.15E-11
PEF	PPT2	cg20328456	rs3130071	T	A	0.189	0.033	0.148	7.86E-09	-0.001	0.004	0.876	0.009	33.291	TRUE	1.11E-08
PEF	PPT2	cg20328456	rs3130348	A	C	-0.212	0.027	0.237	1.15E-14	-0.033	0.003	1.21E-28	0.016	59.582	TRUE	6.68E-11
PEF	PPT2	cg20328456	rs805305	G	C	-0.155	0.025	0.362	5.28E-10	-0.016	0.003	3.70E-09	0.010	38.549	TRUE	2.85E-08
PEF	PPT2	cg20328456	rs9267817	A	G	0.167	0.029	0.212	9.53E-09	0.002	0.003	0.426	0.009	32.918	TRUE	1.93E-08
PEF	PPT2	cg21241317	rs1063346	A	G	-0.138	0.023	0.448	2.06E-09	0.024	0.003	2.52E-18	0.010	35.894	TRUE	4.29E-07
PEF	PPT2	cg21241317	rs3130283	A	C	-0.351	0.031	0.161	3.38E-29	0.002	0.004	0.586	0.033	125.746	TRUE	2.61E-28
PEF	PPT2	cg23359665	rs3130283	A	C	0.272	0.032	0.161	1.21E-17	0.002	0.004	0.586	0.019	73.105	TRUE	3.77E-17
PEF	PPT2	cg23470939	rs138039007	C	T	0.553	0.087	0.022	1.62E-10	-0.002	0.008	0.811	0.011	40.857	TRUE	2.60E-10
PEF	PPT2	cg23470939	rs3130348	A	C	-0.257	0.027	0.237	6.66E-21	-0.033	0.003	1.21E-28	0.023	87.917	TRUE	3.35E-16
PEF	PPT2	cg23470939	rs3213490	T	C	0.163	0.023	0.447	3.56E-12	0.023	0.003	4.21E-20	0.013	48.325	TRUE	2.79E-09
PEF	PPT2	cg23470939	rs35353422	A	C	0.254	0.032	0.175	1.69E-15	0.030	0.003	7.67E-20	0.017	63.359	TRUE	3.37E-12
PEF	PPT2	cg23470939	rs707930	T	C	0.196	0.024	0.464	2.20E-16	0.013	0.003	2.04E-07	0.018	67.381	TRUE	2.96E-14
PEF	PPT2	cg23470939	rs9267817	A	G	0.614	0.028	0.212	9.17E-106	0.002	0.003	0.426	0.114	476.833	TRUE	1.03E-99
PEF	PPT2	cg23660356	rs1269839	T	G	0.359	0.049	0.055	3.92E-13	-0.012	0.006	0.025	0.014	52.652	TRUE	3.22E-12
PEF	PPT2	cg24009529	rs1050444	A	G	-0.228	0.032	0.185	6.87E-13	0.010	0.003	0.002	0.014	51.554	TRUE	1.00E-11
PEF	PPT2	cg24009529	rs11759423	T	C	-0.271	0.044	0.068	1.04E-09	0.045	0.005	1.10E-21	0.010	37.231	TRUE	3.97E-07

PEF	PPT2	cg24009529	rs1266071	T	C	-0.266	0.038	0.098	2.72E-12	0.041	0.004	3.33E-24	0.013	48.854	TRUE	3.70E-09
PEF	PPT2	cg24009529	rs1419881	A	G	0.274	0.023	0.488	5.28E-32	-0.027	0.003	3.52E-27	0.036	138.566	TRUE	7.33E-26
PEF	PPT2	cg24009529	rs144027808	G	A	0.533	0.059	0.040	1.83E-19	-0.007	0.006	0.308	0.022	81.373	TRUE	1.02E-18
PEF	PPT2	cg24009529	rs171329	A	G	-0.157	0.024	0.497	2.49E-11	0.007	0.003	0.004	0.012	44.516	TRUE	2.52E-10
PEF	PPT2	cg24009529	rs3130348	A	C	0.943	0.023	0.237	<1E-200	-0.033	0.003	1.21E-28	0.310	1660.227	TRUE	2.92E-297
PEF	PPT2	cg24009529	rs3819292	A	C	-0.197	0.033	0.154	2.23E-09	0.000	0.004	0.914	0.010	35.738	TRUE	3.14E-09
PEF	PPT2	cg24009529	rs408359	A	G	-0.286	0.048	0.066	2.74E-09	-0.006	0.005	0.243	0.009	35.339	TRUE	7.39E-09
PEF	PPT2	cg24009529	rs41316204	C	T	-0.241	0.032	0.170	3.54E-14	0.032	0.004	2.31E-19	0.015	57.378	TRUE	4.13E-11
PEF	PPT2	cg24009529	rs4959024	T	C	-0.288	0.024	0.374	3.63E-32	0.014	0.003	6.82E-08	0.036	139.310	TRUE	1.10E-28
PEF	PPT2	cg24009529	rs56263516	G	T	-0.227	0.040	0.096	1.39E-08	0.009	0.004	0.032	0.009	32.190	TRUE	6.15E-08
PEF	PPT2	cg24009529	rs62396663	A	G	0.667	0.094	0.014	1.00E-12	-0.017	0.011	0.127	0.014	50.808	TRUE	4.67E-12
PEF	PPT2	cg24009529	rs6457595	A	T	0.453	0.028	0.206	1.78E-57	-0.023	0.003	2.38E-13	0.065	255.206	TRUE	1.27E-50
PEF	PPT2	cg24009529	rs6457598	T	C	-0.225	0.026	0.291	9.39E-18	0.005	0.003	0.102	0.020	73.598	TRUE	7.75E-17
PEF	PPT2	cg24009529	rs71543427	A	C	0.691	0.078	0.024	5.58E-19	-0.026	0.009	0.003	0.021	79.167	TRUE	1.68E-17
PEF	PPT2	cg24009529	rs77488547	C	T	0.680	0.095	0.017	6.45E-13	-0.012	0.009	0.190	0.014	51.676	TRUE	2.58E-12
PEF	PPT2	cg24009529	rs805305	G	C	0.357	0.025	0.362	8.53E-48	-0.016	0.003	3.70E-09	0.054	210.836	TRUE	1.11E-42
PEF	PPT2	cg24009529	rs9266216	C	T	0.323	0.024	0.408	1.14E-41	-0.024	0.003	1.62E-20	0.047	182.776	TRUE	3.73E-35
PEF	PPT2	cg24009529	rs9267817	A	G	-0.301	0.029	0.212	1.72E-25	0.002	0.003	0.426	0.029	108.828	TRUE	1.24E-24
PEF	PPT2	cg24009529	rs9469089	C	G	-0.225	0.033	0.144	1.53E-11	0.010	0.004	0.003	0.012	45.475	TRUE	1.63E-10
PEF	PPT2	cg24509300	rs3130283	A	C	-0.426	0.032	0.161	2.46E-41	0.002	0.004	0.586	0.047	181.252	TRUE	6.15E-40
PEF	PPT2	cg25426302	rs3130283	A	C	0.353	0.032	0.161	1.18E-28	0.002	0.004	0.586	0.032	123.264	TRUE	8.69E-28
PEF	PPT2	cg25426302	rs9267817	A	G	-0.190	0.029	0.212	5.73E-11	0.002	0.003	0.426	0.011	42.887	TRUE	1.35E-10
PEF	PPT2	cg25426302	rs9267857	G	A	-0.155	0.024	0.417	5.61E-11	-0.001	0.003	0.710	0.011	42.930	TRUE	1.02E-10
PEF	PPT2	cg26169408	rs2243873	C	A	0.163	0.023	0.459	4.18E-12	-0.016	0.003	3.83E-10	0.013	48.014	TRUE	4.78E-10
PEF	PPT2	cg26169408	rs3134947	T	C	0.340	0.027	0.237	1.35E-36	-0.033	0.003	1.64E-28	0.041	159.558	TRUE	7.52E-30
PEF	PPT2	cg26169408	rs805305	G	C	0.158	0.025	0.362	1.28E-10	-0.016	0.003	3.70E-09	0.011	41.313	TRUE	8.07E-09
PEF	PPT2	cg27070869	rs3130283	A	C	-0.221	0.031	0.161	2.21E-12	0.002	0.004	0.586	0.013	49.257	TRUE	4.89E-12
PEF	PPT2	cg27134827	rs114004994	C	G	-0.377	0.061	0.036	7.63E-10	0.016	0.006	0.012	0.010	37.833	TRUE	4.95E-09
PEF	PPT2	cg27134827	rs115884658	A	G	0.629	0.092	0.021	6.03E-12	-0.006	0.009	0.514	0.013	47.295	TRUE	1.40E-11
PEF	PPT2	cg27134827	rs12660769	G	C	0.250	0.044	0.074	1.18E-08	0.020	0.004	8.12E-06	0.009	32.496	TRUE	1.99E-07
PEF	PPT2	cg27134827	rs2243873	C	A	-0.159	0.024	0.459	3.00E-11	-0.016	0.003	3.83E-10	0.012	44.153	TRUE	2.77E-09
PEF	PPT2	cg27134827	rs3130284	C	T	-0.299	0.027	0.236	9.69E-28	-0.033	0.003	1.11E-28	0.031	119.090	TRUE	4.16E-22
PEF	PPT2	cg27134827	rs6457646	A	G	0.150	0.023	0.447	1.63E-10	0.023	0.003	4.33E-20	0.011	40.845	TRUE	6.91E-08
PEF	PPT2	cg27134827	rs6914412	C	T	-0.223	0.040	0.094	1.87E-08	-0.018	0.004	4.01E-05	0.008	31.611	TRUE	2.41E-07
PEF	PPT2	cg27134827	rs805305	G	C	-0.213	0.025	0.362	1.10E-17	-0.016	0.003	3.70E-09	0.019	73.290	TRUE	3.47E-15
PEF	PPT2	cg27134827	rs9267817	A	G	0.735	0.028	0.212	9.15E-155	0.002	0.003	0.426	0.160	701.985	TRUE	1.89E-143
PEF	PPT2	cg27134827	rs9273501	A	T	0.180	0.024	0.352	8.19E-14	0.013	0.003	1.14E-06	0.015	55.730	TRUE	5.23E-12
PEF	PPT2	cg27631107	rs9469089	C	G	-0.296	0.033	0.144	1.81E-19	0.010	0.004	0.003	0.022	81.398	TRUE	5.60E-18
PEF	PRKAG2	cg00157109	rs35488759	T	C	-0.315	0.044	0.074	7.18E-13	-0.010	0.005	0.030	0.014	51.466	TRUE	5.37E-12
PEF	PRKAG2	cg00157109	rs4265106	A	G	-0.224	0.027	0.257	7.90E-17	0.001	0.003	0.703	0.018	69.397	TRUE	2.03E-16
PEF	PRKAG2	cg00157109	rs7795096	C	T	0.245	0.023	0.481	8.17E-26	0.002	0.003	0.560	0.029	110.300	TRUE	5.04E-25
PEF	PRKAG2	cg00491428	rs11771304	A	G	-0.216	0.034	0.140	3.48E-10	0.005	0.004	0.214	0.011	39.366	TRUE	1.05E-09

PEF	PRKAG2	cg00491428	rs35148810	T	C	-0.284	0.031	0.190	1.97E-20	-0.005	0.003	0.120	0.023	85.773	TRUE	2.01E-19
PEF	PRKAG2	cg00491428	rs3813852	C	T	-1.088	0.027	0.175	<1E-200	-0.002	0.003	0.521	0.309	1657.439	TRUE	<1E-200
PEF	PRKAG2	cg00491428	rs6953067	G	C	0.183	0.029	0.212	1.78E-10	0.002	0.003	0.621	0.011	40.677	TRUE	3.38E-10
PEF	PRKAG2	cg00491428	rs9648727	T	C	0.300	0.024	0.349	8.40E-35	0.001	0.003	0.763	0.039	151.358	TRUE	7.95E-34
PEF	PRKAG2	cg01005180	rs1971030	T	C	0.173	0.024	0.413	4.08E-13	0.003	0.003	0.237	0.014	52.574	TRUE	1.49E-12
PEF	PRKAG2	cg01005180	rs2727553	G	A	0.387	0.023	0.490	4.21E-64	0.003	0.003	0.182	0.072	285.587	TRUE	7.33E-61
PEF	PRKAG2	cg01005180	rs73158145	G	C	-0.218	0.036	0.124	1.92E-09	0.005	0.004	0.236	0.010	36.034	TRUE	5.25E-09
PEF	PRKAG2	cg01423695	rs140166603	A	G	0.195	0.028	0.215	6.79E-12	0.000	0.003	0.951	0.013	47.063	TRUE	1.03E-11
PEF	PRKAG2	cg01423695	rs9648724	A	G	-0.251	0.027	0.243	1.15E-20	-0.001	0.003	0.812	0.023	86.834	TRUE	3.33E-20
PEF	PRKAG2	cg01588379	rs13239239	C	T	0.185	0.025	0.349	7.87E-14	0.001	0.003	0.624	0.015	55.808	TRUE	1.82E-13
PEF	PRKAG2	cg01588379	rs56308233	A	C	-0.395	0.072	0.027	4.65E-08	-0.004	0.008	0.597	0.008	29.841	TRUE	7.80E-08
PEF	PRKAG2	cg01588379	rs6464166	C	T	-0.313	0.030	0.192	1.06E-25	-0.001	0.003	0.806	0.029	109.783	TRUE	4.45E-25
PEF	PRKAG2	cg01588379	rs76351165	A	C	-0.732	0.068	0.052	2.64E-27	-0.002	0.005	0.723	0.031	117.103	TRUE	1.41E-26
PEF	PRKAG2	cg03323793	rs10260657	A	G	0.154	0.025	0.319	1.00E-09	-0.001	0.003	0.780	0.010	37.301	TRUE	1.60E-09
PEF	PRKAG2	cg03323793	rs11772588	A	C	-0.435	0.032	0.158	5.18E-43	0.004	0.004	0.219	0.049	188.928	TRUE	4.03E-41
PEF	PRKAG2	cg03567939	rs11768925	G	A	-0.181	0.027	0.273	1.02E-11	0.000	0.003	0.986	0.012	46.263	TRUE	1.51E-11
PEF	PRKAG2	cg03567939	rs118118867	T	C	-0.201	0.028	0.219	8.21E-13	0.000	0.003	0.973	0.014	51.204	TRUE	1.28E-12
PEF	PRKAG2	cg03567939	rs34388354	G	T	0.171	0.030	0.202	1.26E-08	-0.004	0.003	0.223	0.009	32.373	TRUE	3.31E-08
PEF	PRKAG2	cg03567939	rs6464172	A	G	0.547	0.031	0.432	1.97E-70	0.000	0.003	0.910	0.078	314.622	TRUE	1.01E-67
PEF	PRKAG2	cg03567939	rs9648724	A	G	-0.276	0.027	0.243	1.23E-24	-0.001	0.003	0.812	0.028	104.935	TRUE	4.67E-24
PEF	PRKAG2	cg04058799	rs11772588	A	C	-0.453	0.032	0.158	7.23E-47	0.004	0.004	0.219	0.053	206.583	TRUE	9.07E-45
PEF	PRKAG2	cg04058799	rs1881628	T	G	-0.190	0.030	0.193	3.17E-10	0.003	0.003	0.297	0.011	39.545	TRUE	8.58E-10
PEF	PRKAG2	cg04058799	rs7776530	C	A	0.143	0.025	0.325	1.18E-08	0.000	0.003	0.950	0.009	32.509	TRUE	1.56E-08
PEF	PRKAG2	cg05807157	rs12703162	T	C	-0.131	0.023	0.431	1.69E-08	0.002	0.003	0.495	0.009	31.807	TRUE	3.18E-08
PEF	PRKAG2	cg05807157	rs145499729	A	G	0.663	0.082	0.020	7.27E-16	0.007	0.008	0.379	0.017	65.023	TRUE	2.67E-15
PEF	PRKAG2	cg05807157	rs9969184	G	C	0.271	0.039	0.098	6.63E-12	0.001	0.004	0.744	0.013	47.109	TRUE	1.22E-11
PEF	PRKAG2	cg05953394	rs112119324	T	C	0.411	0.070	0.048	3.68E-09	-0.001	0.006	0.834	0.009	34.766	TRUE	5.43E-09
PEF	PRKAG2	cg07132038	rs10500202	T	C	0.677	0.067	0.053	9.03E-24	-0.002	0.005	0.717	0.027	100.982	TRUE	3.70E-23
PEF	PRKAG2	cg07132038	rs1881643	C	A	0.166	0.024	0.482	2.98E-12	0.002	0.003	0.466	0.013	48.678	TRUE	7.40E-12
PEF	PRKAG2	cg07132038	rs9690705	G	A	-0.130	0.024	0.435	3.42E-08	0.001	0.003	0.790	0.008	30.439	TRUE	4.98E-08
PEF	PRKAG2	cg07161146	rs145499729	A	G	-0.674	0.082	0.020	1.39E-16	0.007	0.008	0.379	0.018	68.280	TRUE	5.41E-16
PEF	PRKAG2	cg07804434	rs140166603	A	G	0.156	0.028	0.215	3.81E-08	0.000	0.003	0.951	0.008	30.227	TRUE	4.94E-08
PEF	PRKAG2	cg07804434	rs1881634	C	T	-0.365	0.042	0.164	6.01E-18	-0.001	0.003	0.836	0.020	74.476	TRUE	1.42E-17
PEF	PRKAG2	cg07804434	rs1969558	A	C	0.238	0.034	0.138	2.24E-12	0.003	0.004	0.389	0.013	49.237	TRUE	6.25E-12
PEF	PRKAG2	cg07804434	rs4726102	G	A	0.293	0.037	0.247	5.40E-15	-0.004	0.003	0.134	0.016	61.076	TRUE	3.12E-14
PEF	PRKAG2	cg07804434	rs56922253	T	C	0.324	0.040	0.096	3.33E-16	0.000	0.004	0.958	0.018	66.560	TRUE	6.22E-16
PEF	PRKAG2	cg07804434	rs62478250	A	G	-0.813	0.021	0.327	<1E-200	-0.001	0.003	0.751	0.286	1484.577	TRUE	2.09E-285
PEF	PRKAG2	cg07804434	rs6464182	T	C	-0.286	0.027	0.264	6.52E-27	0.002	0.003	0.548	0.030	115.310	TRUE	4.34E-26
PEF	PRKAG2	cg07804434	rs9648727	T	C	-0.461	0.024	0.349	3.76E-82	0.001	0.003	0.763	0.091	368.408	TRUE	1.75E-78
PEF	PRKAG2	cg08265392	rs2536059	A	G	-0.218	0.023	0.490	7.55E-21	0.004	0.003	0.124	0.023	87.670	TRUE	7.85E-20
PEF	PRKAG2	cg08930413	rs10276297	C	T	0.212	0.025	0.322	2.72E-17	-0.001	0.003	0.780	0.019	71.500	TRUE	6.69E-17
PEF	PRKAG2	cg08930413	rs11971243	T	C	-0.707	0.031	0.160	4.06E-117	0.005	0.004	0.162	0.125	528.989	TRUE	2.33E-109

PEF	PRKAG2	cg08930413	rs1881628	T	G	-0.259	0.030	0.193	1.01E-17	0.003	0.003	0.297	0.019	73.460	TRUE	4.99E-17
PEF	PRKAG2	cg08930413	rs6950343	T	C	0.290	0.050	0.057	6.89E-09	0.000	0.006	0.959	0.009	33.548	TRUE	9.13E-09
PEF	PRKAG2	cg08930413	rs80230353	A	G	-0.513	0.082	0.020	4.71E-10	0.007	0.008	0.383	0.010	38.772	TRUE	1.11E-09
PEF	PRKAG2	cg09397579	rs4631369	G	A	-0.208	0.032	0.384	1.37E-10	0.000	0.003	0.959	0.011	41.191	TRUE	1.92E-10
PEF	PRKAG2	cg09397579	rs77307127	T	C	-0.785	0.101	0.024	1.03E-14	-0.015	0.008	0.058	0.016	59.811	TRUE	7.76E-14
PEF	PRKAG2	cg09403494	rs7791936	A	C	0.175	0.025	0.347	8.41E-13	0.002	0.003	0.449	0.014	51.155	TRUE	2.25E-12
PEF	PRKAG2	cg09449988	rs1029947	C	T	-0.478	0.037	0.110	4.91E-38	-0.007	0.004	0.084	0.043	166.148	TRUE	4.08E-36
PEF	PRKAG2	cg09449988	rs11771194	A	G	0.211	0.025	0.306	4.29E-17	0.004	0.003	0.130	0.019	70.602	TRUE	2.94E-16
PEF	PRKAG2	cg09449988	rs17134624	A	G	-0.481	0.070	0.032	4.50E-12	-0.021	0.008	0.011	0.013	47.866	TRUE	4.03E-11
PEF	PRKAG2	cg09449988	rs1860735	T	C	-0.226	0.038	0.110	1.87E-09	-0.004	0.004	0.288	0.010	36.082	TRUE	4.81E-09
PEF	PRKAG2	cg09449988	rs2538044	T	A	0.263	0.027	0.262	6.86E-23	0.003	0.003	0.375	0.026	96.970	TRUE	4.34E-22
PEF	PRKAG2	cg09449988	rs4726061	C	T	0.308	0.034	0.144	3.28E-19	0.003	0.004	0.492	0.021	80.219	TRUE	1.29E-18
PEF	PRKAG2	cg09449988	rs4726070	G	A	-0.696	0.023	0.392	2.74E-204	-0.003	0.003	0.281	0.201	929.645	TRUE	9.06E-186
PEF	PRKAG2	cg09449988	rs4726084	A	G	-0.310	0.029	0.205	9.67E-27	0.002	0.003	0.458	0.030	114.530	TRUE	7.34E-26
PEF	PRKAG2	cg09449988	rs77001183	G	T	-0.609	0.095	0.014	1.23E-10	-0.016	0.009	0.069	0.011	41.402	TRUE	5.62E-10
PEF	PRKAG2	cg09969528	rs4015360	G	A	-0.150	0.027	0.244	3.17E-08	0.001	0.003	0.638	0.008	30.582	TRUE	5.20E-08
PEF	PRKAG2	cg10363569	rs11976285	G	A	-0.308	0.024	0.420	4.56E-39	0.002	0.003	0.375	0.044	170.871	TRUE	1.42E-37
PEF	PRKAG2	cg10370262	rs869033	C	T	-0.178	0.032	0.144	3.92E-08	-0.007	0.004	0.063	0.008	30.172	TRUE	1.41E-07
PEF	PRKAG2	cg10902667	rs13239239	C	T	0.151	0.025	0.349	7.92E-10	0.001	0.003	0.624	0.010	37.759	TRUE	1.44E-09
PEF	PRKAG2	cg11718965	rs75674230	A	T	-0.860	0.099	0.011	3.98E-18	-0.010	0.011	0.349	0.020	75.291	TRUE	1.82E-17
PEF	PRKAG2	cg12762399	rs73158122	A	C	-0.242	0.037	0.108	4.76E-11	-0.008	0.004	0.060	0.012	43.249	TRUE	2.42E-10
PEF	PRKAG2	cg12835599	rs12533239	T	C	-0.163	0.023	0.434	1.77E-12	0.002	0.003	0.566	0.013	49.697	TRUE	4.10E-12
PEF	PRKAG2	cg12835599	rs6978617	T	C	0.284	0.040	0.093	8.44E-13	0.000	0.004	0.994	0.014	51.150	TRUE	1.28E-12
PEF	PRKAG2	cg12835599	rs80230353	A	G	0.672	0.081	0.020	8.57E-17	0.007	0.008	0.383	0.018	69.236	TRUE	3.35E-16
PEF	PRKAG2	cg12978800	rs10278273	C	T	0.290	0.037	0.114	5.74E-15	0.004	0.004	0.318	0.016	60.955	TRUE	2.16E-14
PEF	PRKAG2	cg12978800	rs1104897	T	C	-0.278	0.032	0.166	4.47E-18	0.000	0.004	0.931	0.020	75.059	TRUE	9.57E-18
PEF	PRKAG2	cg12978800	rs6464164	T	C	0.518	0.023	0.414	1.19E-110	0.005	0.003	0.037	0.119	499.286	TRUE	7.65E-103
PEF	PRKAG2	cg13686795	rs12532554	T	C	-0.225	0.041	0.094	2.94E-08	0.005	0.005	0.270	0.008	30.730	TRUE	6.99E-08
PEF	PRKAG2	cg15453708	rs11766272	A	G	-0.336	0.059	0.113	1.17E-08	0.004	0.004	0.310	0.009	32.512	TRUE	2.74E-08
PEF	PRKAG2	cg15453708	rs4442045	T	C	0.448	0.030	0.187	1.65E-50	-0.003	0.003	0.445	0.057	223.267	TRUE	1.63E-48
PEF	PRKAG2	cg16391727	rs2429833	T	C	-0.309	0.030	0.182	2.73E-24	0.000	0.003	0.985	0.027	103.347	TRUE	8.22E-24
PEF	PRKAG2	cg16986150	rs12532554	T	C	0.231	0.041	0.094	1.49E-08	0.005	0.005	0.270	0.009	32.043	TRUE	3.64E-08
PEF	PRKAG2	cg16986150	rs6464179	A	G	-0.335	0.041	0.081	3.14E-16	-0.003	0.005	0.449	0.018	66.678	TRUE	1.06E-15
PEF	PRKAG2	cg16986150	rs6950348	C	T	-0.145	0.025	0.320	7.42E-09	0.001	0.003	0.603	0.009	33.403	TRUE	1.30E-08
PEF	PRKAG2	cg16986150	rs7789674	A	G	0.509	0.023	0.436	2.77E-113	0.000	0.003	0.872	0.121	511.377	TRUE	3.96E-107
PEF	PRKAG2	cg16994041	rs12540943	A	G	0.316	0.045	0.151	1.53E-12	-0.002	0.004	0.562	0.013	49.978	TRUE	3.49E-12
PEF	PRKAG2	cg16994041	rs4442045	T	C	0.987	0.026	0.187	4.92E-304	-0.003	0.003	0.445	0.274	1397.543	TRUE	1.05E-269
PEF	PRKAG2	cg16994041	rs58825093	T	C	-0.379	0.027	0.226	2.43E-43	-0.001	0.003	0.881	0.049	190.433	TRUE	4.45E-42
PEF	PRKAG2	cg16994041	rs6975104	C	G	-0.177	0.025	0.366	1.05E-12	0.003	0.003	0.325	0.014	50.728	TRUE	3.21E-12
PEF	PRKAG2	cg16994041	rs9648724	A	G	-0.192	0.027	0.243	1.16E-12	-0.001	0.003	0.812	0.013	50.530	TRUE	2.07E-12
PEF	PRKAG2	cg17008978	rs10277544	C	T	0.168	0.024	0.449	8.36E-13	0.001	0.003	0.822	0.014	51.168	TRUE	1.50E-12
PEF	PRKAG2	cg17192599	rs13224758	A	G	0.257	0.043	0.158	2.35E-09	-0.001	0.004	0.705	0.010	35.643	TRUE	3.86E-09

PEF	PRKAG2	cg17192599	rs58825093	T	C	0.223	0.028	0.226	9.42E-16	-0.001	0.003	0.881	0.017	64.514	TRUE	1.89E-15
PEF	PRKAG2	cg17192599	rs9648724	A	G	-0.354	0.027	0.243	8.89E-40	-0.001	0.003	0.812	0.045	174.119	TRUE	1.24E-38
PEF	PRKAG2	cg17359198	rs12669420	T	C	0.380	0.058	0.082	7.83E-11	0.003	0.005	0.486	0.011	42.278	TRUE	1.73E-10
PEF	PRKAG2	cg17359198	rs58943536	T	C	-0.256	0.028	0.220	6.68E-20	0.000	0.003	0.973	0.022	83.362	TRUE	1.52E-19
PEF	PRKAG2	cg17359198	rs7789699	C	T	-0.522	0.031	0.496	2.81E-63	-0.002	0.003	0.381	0.071	281.807	TRUE	1.91E-60
PEF	PRKAG2	cg17359198	rs9648724	A	G	0.175	0.027	0.243	1.10E-10	-0.001	0.003	0.812	0.011	41.620	TRUE	1.77E-10
PEF	PRKAG2	cg17611936	rs10235949	A	G	-0.906	0.079	0.047	2.76E-30	-0.002	0.006	0.745	0.034	130.713	TRUE	1.84E-29
PEF	PRKAG2	cg17611936	rs10265221	C	T	0.369	0.026	0.282	3.92E-46	-0.003	0.003	0.362	0.052	203.220	TRUE	2.76E-44
PEF	PRKAG2	cg17611936	rs112079539	A	T	-0.815	0.116	0.018	2.51E-12	0.015	0.009	0.104	0.013	49.011	TRUE	1.20E-11
PEF	PRKAG2	cg17611936	rs2256079	A	G	0.459	0.023	0.410	1.17E-86	0.002	0.003	0.438	0.095	389.094	TRUE	3.04E-82
PEF	PRKAG2	cg17611936	rs2727550	G	A	-0.181	0.025	0.329	3.38E-13	-0.008	0.003	0.003	0.014	52.946	TRUE	4.95E-12
PEF	PRKAG2	cg17611936	rs2727562	G	A	-1.196	0.018	0.261	<1E-200	-0.003	0.003	0.307	0.541	4353.828	TRUE	<1E-200
PEF	PRKAG2	cg17611936	rs4725427	C	T	-0.720	0.104	0.026	5.06E-12	-0.002	0.008	0.789	0.013	47.638	TRUE	8.94E-12
PEF	PRKAG2	cg17611936	rs6960717	C	T	-0.304	0.041	0.172	1.60E-13	0.002	0.003	0.542	0.014	54.417	TRUE	4.01E-13
PEF	PRKAG2	cg17611936	rs6965771	T	C	0.202	0.027	0.260	4.40E-14	0.000	0.003	0.983	0.015	56.950	TRUE	7.28E-14
PEF	PRKAG2	cg17611936	rs7788160	G	T	0.250	0.032	0.379	5.11E-15	0.003	0.003	0.307	0.016	61.186	TRUE	1.93E-14
PEF	PRKAG2	cg17611936	rs7792110	C	T	-0.223	0.037	0.246	1.22E-09	0.001	0.003	0.836	0.010	36.923	TRUE	1.84E-09
PEF	PRKAG2	cg17611936	rs79215320	A	G	-0.366	0.038	0.240	1.95E-22	-0.001	0.003	0.631	0.025	94.899	TRUE	8.03E-22
PEF	PRKAG2	cg17611936	rs9648723	C	A	-0.238	0.042	0.160	2.01E-08	-0.002	0.004	0.648	0.008	31.468	TRUE	3.34E-08
PEF	PRKAG2	cg18404559	rs73478069	C	A	0.333	0.034	0.142	1.37E-22	0.002	0.004	0.527	0.025	95.593	TRUE	6.68E-22
PEF	PRKAG2	cg18439339	rs7810022	C	A	0.237	0.025	0.300	5.62E-21	-0.003	0.003	0.352	0.023	88.255	TRUE	3.23E-20
PEF	PRKAG2	cg18633230	rs35346765	T	C	-0.221	0.040	0.194	3.86E-08	0.002	0.003	0.644	0.008	30.200	TRUE	6.26E-08
PEF	PRKAG2	cg18649198	rs9632641	C	A	0.302	0.040	0.205	2.74E-14	0.002	0.003	0.517	0.015	57.883	TRUE	7.40E-14
PEF	PRKAG2	cg19412964	rs11771194	A	G	0.218	0.025	0.306	3.21E-18	0.004	0.003	0.130	0.020	75.713	TRUE	2.45E-17
PEF	PRKAG2	cg19412964	rs1860735	T	C	-0.248	0.038	0.110	4.00E-11	-0.004	0.004	0.288	0.012	43.591	TRUE	1.17E-10
PEF	PRKAG2	cg19412964	rs2538044	T	A	0.216	0.027	0.262	7.21E-16	0.003	0.003	0.375	0.017	65.040	TRUE	2.60E-15
PEF	PRKAG2	cg19412964	rs4726070	G	A	-0.704	0.023	0.392	2.81E-209	-0.003	0.003	0.281	0.205	952.588	TRUE	5.45E-190
PEF	PRKAG2	cg19412964	rs4726084	A	G	-0.292	0.029	0.205	5.32E-24	0.002	0.003	0.458	0.027	102.029	TRUE	3.20E-23
PEF	PRKAG2	cg19412964	rs6963512	G	A	-0.492	0.040	0.094	3.90E-35	-0.005	0.004	0.241	0.040	152.880	TRUE	1.17E-33
PEF	PRKAG2	cg19412964	rs7456798	C	A	0.189	0.023	0.498	5.80E-16	0.003	0.003	0.189	0.017	65.470	TRUE	3.08E-15
PEF	PRKAG2	cg19412964	rs77001183	G	T	-0.575	0.095	0.014	1.20E-09	-0.016	0.009	0.069	0.010	36.950	TRUE	4.95E-09
PEF	PRKAG2	cg19412964	rs9801653	A	C	0.364	0.034	0.145	1.69E-26	0.003	0.004	0.459	0.030	113.420	TRUE	1.27E-25
PEF	PRKAG2	cg20269607	rs7789699	C	T	-0.182	0.032	0.496	8.79E-09	-0.002	0.003	0.381	0.009	33.075	TRUE	1.90E-08
PEF	PRKAG2	cg20972917	rs74882587	T	C	0.193	0.034	0.148	1.17E-08	0.002	0.004	0.551	0.009	32.518	TRUE	2.14E-08
PEF	PRKAG2	cg21764708	rs11766272	A	G	-0.336	0.059	0.113	1.20E-08	0.004	0.004	0.310	0.009	32.471	TRUE	2.80E-08
PEF	PRKAG2	cg21764708	rs4442045	T	C	0.493	0.030	0.187	4.94E-61	-0.003	0.003	0.445	0.068	271.510	TRUE	1.98E-58
PEF	PRKAG2	cg22513396	rs2536091	A	C	-0.188	0.023	0.408	7.34E-16	-0.002	0.003	0.548	0.017	65.005	TRUE	2.16E-15
PEF	PRKAG2	cg22615330	rs118118867	T	C	0.281	0.028	0.219	8.32E-24	0.000	0.003	0.973	0.027	101.143	TRUE	2.43E-23
PEF	PRKAG2	cg22615330	rs9648724	A	G	-0.387	0.027	0.243	1.24E-47	-0.001	0.003	0.812	0.054	210.084	TRUE	3.98E-46
PEF	PRKAG2	cg23151649	rs10278273	C	T	-0.263	0.037	0.114	1.73E-12	0.004	0.004	0.318	0.013	49.737	TRUE	5.37E-12
PEF	PRKAG2	cg23151649	rs112113536	C	G	0.300	0.041	0.093	1.30E-13	0.003	0.004	0.533	0.015	54.819	TRUE	3.34E-13
PEF	PRKAG2	cg23151649	rs11983465	G	C	0.399	0.025	0.323	9.50E-58	-0.004	0.003	0.133	0.065	256.453	TRUE	8.24E-55

PEF	PRKAG2	cg23151649	rs12669379	C	T	0.492	0.067	0.065	1.47E-13	0.002	0.006	0.665	0.015	54.582	TRUE	3.22E-13
PEF	PRKAG2	cg23151649	rs2727552	C	T	0.977	0.023	0.465	<1E-200	-0.001	0.003	0.597	0.321	1749.754	TRUE	<1E-200
PEF	PRKAG2	cg23151649	rs6978479	A	G	-0.503	0.091	0.033	3.39E-08	0.000	0.007	0.966	0.008	30.455	TRUE	4.34E-08
PEF	PRKAG2	cg23351327	rs76351165	A	C	-0.427	0.068	0.052	2.81E-10	-0.002	0.005	0.723	0.011	39.781	TRUE	4.82E-10
PEF	PRKAG2	cg26284782	rs10260657	A	G	-0.147	0.025	0.319	4.79E-09	-0.001	0.003	0.780	0.009	34.254	TRUE	7.41E-09
PEF	PRKAG2	cg26284782	rs4726101	G	A	-0.294	0.023	0.497	7.02E-37	0.003	0.003	0.294	0.042	160.861	TRUE	2.22E-35
PEF	PRKAG2	cg26482626	rs2374307	T	G	0.159	0.024	0.466	1.34E-11	-0.002	0.003	0.356	0.012	45.724	TRUE	3.67E-11
PEF	PRKAG2	cg26673980	rs4442045	T	C	0.552	0.030	0.187	5.44E-77	-0.003	0.003	0.445	0.085	344.721	TRUE	2.56E-73
PEF	PRKCA	cg01160079	rs77210355	A	G	0.359	0.050	0.057	1.01E-12	-0.007	0.006	0.226	0.014	50.805	TRUE	3.72E-12
PEF	PRKCA	cg01895374	rs57007285	A	C	-0.239	0.043	0.077	3.07E-08	0.002	0.005	0.620	0.008	30.646	TRUE	5.13E-08
PEF	PRKCA	cg01895374	rs7220127	C	T	-0.196	0.024	0.420	1.62E-16	-0.010	0.003	1.80E-04	0.018	67.980	TRUE	7.26E-15
PEF	PRKCA	cg01895374	rs72846612	C	T	-0.293	0.051	0.056	7.12E-09	0.002	0.005	0.699	0.009	33.483	TRUE	1.15E-08
PEF	PRKCA	cg01895374	rs80075063	T	C	-0.882	0.054	0.047	5.26E-59	0.003	0.006	0.622	0.066	262.212	TRUE	1.03E-56
PEF	PRKCA	cg01895374	rs9902819	G	A	-0.326	0.052	0.058	4.65E-10	0.005	0.005	0.300	0.010	38.797	TRUE	1.22E-09
PEF	PRKCA	cg02110273	rs28733563	A	G	0.243	0.027	0.258	6.20E-19	0.009	0.003	0.002	0.021	78.962	TRUE	2.05E-17
PEF	PRKCA	cg02110273	rs7220911	A	G	0.338	0.023	0.441	1.08E-47	0.002	0.003	0.373	0.054	210.361	TRUE	9.11E-46
PEF	PRKCA	cg02110273	rs9904322	G	C	1.004	0.039	0.092	2.25E-143	0.002	0.005	0.595	0.149	649.631	TRUE	1.11E-133
PEF	PRKCA	cg04124740	rs79848307	T	C	0.740	0.049	0.057	1.66E-51	0.002	0.005	0.728	0.058	227.831	TRUE	1.00E-49
PEF	PRKCA	cg04124740	rs8075066	A	G	-0.177	0.026	0.281	5.05E-12	0.000	0.003	0.911	0.013	47.640	TRUE	7.98E-12
PEF	PRKCA	cg04658038	rs9635753	T	G	-0.132	0.024	0.479	2.32E-08	0.007	0.003	0.005	0.008	31.189	TRUE	1.45E-07
PEF	PRKCA	cg04733951	rs11656279	C	T	0.402	0.053	0.050	2.51E-14	0.008	0.006	0.178	0.015	58.054	TRUE	1.18E-13
PEF	PRKCA	cg04733951	rs72845904	T	C	-0.334	0.043	0.079	8.24E-15	-0.013	0.005	0.006	0.016	60.244	TRUE	1.22E-13
PEF	PRKCA	cg04955246	rs9635753	T	G	-0.140	0.023	0.479	1.93E-09	0.007	0.003	0.005	0.010	36.022	TRUE	1.42E-08
PEF	PRKCA	cg06940168	rs11651796	A	G	-1.184	0.031	0.124	<1E-200	-0.001	0.004	0.880	0.285	1473.092	TRUE	1.12E-283
PEF	PRKCA	cg06940168	rs148334661	T	G	-1.048	0.172	0.010	1.15E-09	-0.009	0.011	0.406	0.010	37.039	TRUE	2.56E-09
PEF	PRKCA	cg06940168	rs4365321	C	T	-0.345	0.033	0.138	4.74E-25	-0.005	0.004	0.157	0.028	106.818	TRUE	6.67E-24
PEF	PRKCA	cg06940168	rs4790911	T	C	0.573	0.043	0.078	6.04E-40	-0.001	0.004	0.910	0.045	174.889	TRUE	7.31E-39
PEF	PRKCA	cg06940168	rs4791140	T	C	-0.191	0.035	0.129	3.06E-08	-0.002	0.004	0.588	0.008	30.655	TRUE	5.19E-08
PEF	PRKCA	cg06940168	rs67454054	T	C	-0.159	0.027	0.259	2.16E-09	0.007	0.003	0.013	0.010	35.804	TRUE	1.26E-08
PEF	PRKCA	cg06940168	rs7212476	A	G	-0.666	0.078	0.021	1.82E-17	0.005	0.010	0.653	0.019	72.288	TRUE	5.22E-17
PEF	PRKCA	cg06940168	rs7222499	C	T	0.235	0.032	0.160	1.18E-13	-0.003	0.004	0.357	0.015	55.015	TRUE	3.74E-13
PEF	PRKCA	cg06940168	rs9891416	C	A	-0.200	0.025	0.335	3.91E-16	0.005	0.003	0.071	0.018	66.244	TRUE	3.08E-15
PEF	PRKCA	cg09645572	rs72838297	G	C	-0.252	0.034	0.136	6.00E-14	-0.003	0.004	0.358	0.015	56.340	TRUE	1.95E-13
PEF	PRKCA	cg11758458	rs17686174	A	G	0.153	0.028	0.230	4.01E-08	-0.003	0.003	0.413	0.008	30.128	TRUE	8.06E-08
PEF	PRKCA	cg11803392	rs9910301	C	A	0.168	0.024	0.364	2.47E-12	-0.003	0.003	0.234	0.013	49.045	TRUE	8.67E-12
PEF	PRKCA	cg12124094	rs34251715	G	A	0.144	0.025	0.313	8.64E-09	-0.002	0.003	0.517	0.009	33.107	TRUE	1.61E-08
PEF	PRKCA	cg12124094	rs3859214	T	G	-0.148	0.024	0.409	4.34E-10	-0.005	0.003	0.042	0.010	38.932	TRUE	2.11E-09
PEF	PRKCA	cg12124094	rs7212887	A	G	0.194	0.034	0.143	7.40E-09	0.006	0.004	0.103	0.009	33.408	TRUE	2.51E-08
PEF	PRKCA	cg12124094	rs7222613	A	G	0.327	0.042	0.090	3.88E-15	-0.003	0.005	0.480	0.016	61.727	TRUE	1.16E-14
PEF	PRKCA	cg12124094	rs73333222	A	G	0.225	0.034	0.137	4.90E-11	0.002	0.004	0.688	0.012	43.192	TRUE	9.03E-11
PEF	PRKCA	cg12124094	rs78826186	C	T	0.452	0.050	0.064	8.73E-20	-0.002	0.005	0.699	0.022	82.833	TRUE	2.74E-19
PEF	PRKCA	cg12124094	rs80163898	T	G	1.435	0.061	0.043	2.85E-124	0.006	0.007	0.411	0.132	561.853	TRUE	2.27E-116

PEF	PRKCA	cg12124094	rs8075066	A	G	0.257	0.026	0.281	1.97E-23	0.000	0.003	0.911	0.026	99.435	TRUE	6.05E-23
PEF	PRKCA	cg12198934	rs12051710	T	C	-0.476	0.034	0.128	2.93E-43	-0.001	0.004	0.817	0.049	190.061	TRUE	5.87E-42
PEF	PRKCA	cg12198934	rs148334661	T	G	-1.013	0.172	0.010	4.11E-09	-0.009	0.011	0.406	0.009	34.551	TRUE	8.83E-09
PEF	PRKCA	cg12467435	rs28617608	A	C	-0.144	0.024	0.408	1.61E-09	-0.002	0.003	0.552	0.010	36.374	TRUE	3.05E-09
PEF	PRKCA	cg12467435	rs4791057	C	G	-0.327	0.059	0.043	2.65E-08	0.006	0.006	0.332	0.008	30.930	TRUE	5.83E-08
PEF	PRKCA	cg12467435	rs9635753	T	G	-0.199	0.024	0.479	2.25E-17	0.007	0.003	0.005	0.019	71.869	TRUE	4.81E-16
PEF	PRKCA	cg12743970	rs1005651	C	A	0.178	0.025	0.335	4.83E-13	0.008	0.003	0.005	0.014	52.244	TRUE	5.90E-12
PEF	PRKCA	cg12743970	rs144509105	A	G	-0.723	0.122	0.019	3.55E-09	0.011	0.010	0.264	0.009	34.836	TRUE	9.15E-09
PEF	PRKCA	cg12743970	rs2361486	T	C	-0.586	0.031	0.158	2.87E-81	-0.004	0.004	0.300	0.090	364.355	TRUE	4.70E-77
PEF	PRKCA	cg12743970	rs72848633	T	C	-0.142	0.026	0.296	2.93E-08	-0.006	0.003	0.038	0.008	30.738	TRUE	1.18E-07
PEF	PRKCA	cg12743970	rs9972974	T	C	-0.351	0.055	0.046	1.25E-10	0.000	0.006	0.945	0.011	41.358	TRUE	1.81E-10
PEF	PRKCA	cg14121185	rs10491204	C	T	-0.277	0.031	0.166	1.18E-18	0.009	0.003	0.006	0.021	77.682	TRUE	2.89E-17
PEF	PRKCA	cg14121185	rs11656279	C	T	-0.462	0.054	0.050	7.13E-18	0.008	0.006	0.178	0.020	74.140	TRUE	4.61E-17
PEF	PRKCA	cg14121185	rs16959791	T	A	-0.279	0.041	0.089	8.14E-12	-0.005	0.004	0.270	0.012	46.707	TRUE	2.55E-11
PEF	PRKCA	cg14121185	rs4791058	A	C	-0.457	0.024	0.359	8.71E-82	0.008	0.003	0.002	0.090	366.734	TRUE	7.86E-76
PEF	PRKCA	cg14121185	rs72848633	T	C	0.159	0.026	0.296	7.06E-10	-0.006	0.003	0.038	0.010	37.983	TRUE	3.43E-09
PEF	PRKCA	cg14121185	rs75193114	T	C	0.434	0.077	0.020	1.81E-08	0.009	0.008	0.287	0.008	31.677	TRUE	4.25E-08
PEF	PRKCA	cg14121185	rs79525201	G	A	0.725	0.031	0.149	1.59E-117	-0.004	0.004	0.272	0.126	530.863	TRUE	5.19E-110
PEF	PRKCA	cg14121185	rs973753	C	T	0.233	0.032	0.157	6.74E-13	-0.002	0.003	0.628	0.014	51.592	TRUE	1.46E-12
PEF	PRKCA	cg14121185	rs9895770	T	G	-0.186	0.027	0.236	1.22E-11	-0.001	0.003	0.766	0.012	45.912	TRUE	2.17E-11
PEF	PRKCA	cg14648237	rs740930	T	C	0.825	0.042	0.080	8.81E-85	-0.001	0.004	0.905	0.093	380.484	TRUE	4.49E-81
PEF	PRKCA	cg15519474	rs1113843	C	T	-0.149	0.023	0.452	1.97E-10	0.006	0.003	0.023	0.011	40.475	TRUE	1.19E-09
PEF	PRKCA	cg15519474	rs12450534	A	G	0.276	0.027	0.243	3.37E-24	0.003	0.003	0.365	0.027	102.935	TRUE	2.48E-23
PEF	PRKCA	cg15519474	rs142395143	T	C	-0.207	0.029	0.219	5.04E-13	-0.007	0.003	0.042	0.014	52.161	TRUE	3.48E-12
PEF	PRKCA	cg15519474	rs185019895	A	G	0.416	0.061	0.044	8.84E-12	0.002	0.006	0.709	0.012	46.545	TRUE	1.67E-11
PEF	PRKCA	cg15519474	rs35814799	A	G	0.429	0.026	0.245	5.00E-59	0.006	0.003	0.029	0.066	262.313	TRUE	1.61E-55
PEF	PRKCA	cg15519474	rs35974774	G	T	0.357	0.054	0.048	4.99E-11	0.008	0.006	0.186	0.012	43.157	TRUE	1.73E-10
PEF	PRKCA	cg15519474	rs6504406	C	T	0.228	0.027	0.228	6.28E-17	-0.006	0.003	0.051	0.019	69.848	TRUE	6.11E-16
PEF	PRKCA	cg15519474	rs8178823	C	A	0.219	0.040	0.094	3.40E-08	-0.009	0.004	0.034	0.008	30.447	TRUE	1.42E-07
PEF	PRKCA	cg15519474	rs9909243	A	T	-0.210	0.027	0.236	2.10E-14	0.008	0.003	0.006	0.016	58.407	TRUE	2.89E-13
PEF	PRKCA	cg17069533	rs9635753	T	G	-0.138	0.024	0.479	4.89E-09	0.007	0.003	0.005	0.009	34.213	TRUE	3.39E-08
PEF	PRKCA	cg17202839	rs72848633	T	C	0.240	0.026	0.296	4.32E-21	-0.006	0.003	0.038	0.023	88.775	TRUE	7.24E-20
PEF	PRKCA	cg17202839	rs77748014	A	G	-0.352	0.064	0.063	4.50E-08	0.003	0.005	0.582	0.008	29.903	TRUE	7.67E-08
PEF	PRKCA	cg17799599	rs16960228	A	G	-1.003	0.053	0.050	8.35E-80	-0.009	0.006	0.126	0.088	357.640	TRUE	2.72E-75
PEF	PRKCA	cg17799599	rs67379314	A	G	-0.203	0.030	0.184	2.04E-11	-0.004	0.003	0.181	0.012	44.903	TRUE	7.38E-11
PEF	PRKCA	cg17799599	rs8082274	C	G	-0.154	0.025	0.334	5.24E-10	-0.002	0.003	0.555	0.010	38.565	TRUE	1.03E-09
PEF	PRKCA	cg17846122	rs2138004	A	G	0.245	0.032	0.150	2.95E-14	-0.004	0.004	0.225	0.015	57.734	TRUE	1.23E-13
PEF	PRKCA	cg17846122	rs8066294	C	T	-0.197	0.028	0.218	1.55E-12	-0.005	0.003	0.118	0.013	49.952	TRUE	7.18E-12
PEF	PRKCA	cg18950779	rs1010545	C	T	0.661	0.023	0.364	4.03E-177	-0.004	0.003	0.101	0.179	804.750	TRUE	7.68E-162
PEF	PRKCA	cg18950779	rs117353888	G	A	0.365	0.049	0.056	1.45E-13	0.004	0.005	0.440	0.015	54.608	TRUE	4.13E-13
PEF	PRKCA	cg18950779	rs146981159	A	G	0.450	0.046	0.072	6.98E-23	-0.006	0.005	0.254	0.026	96.935	TRUE	5.86E-22
PEF	PRKCA	cg18950779	rs3896085	T	C	-0.167	0.026	0.281	1.91E-10	-0.001	0.003	0.693	0.011	40.538	TRUE	3.38E-10

PEF	PRKCA	cg18950779	rs62071757	G	A	0.317	0.041	0.089	6.88E-15	0.000	0.005	0.950	0.016	60.601	TRUE	1.21E-14
PEF	PRKCA	cg18950779	rs67379314	A	G	0.290	0.030	0.184	1.13E-21	-0.004	0.003	0.181	0.024	91.434	TRUE	1.03E-20
PEF	PRKCA	cg18950779	rs67509148	A	T	-0.235	0.040	0.189	3.23E-09	-0.003	0.003	0.350	0.009	35.021	TRUE	7.48E-09
PEF	PRKCA	cg18950779	rs73996407	T	C	0.300	0.054	0.051	2.45E-08	-0.008	0.006	0.172	0.008	31.082	TRUE	6.76E-08
PEF	PRKCA	cg18950779	rs960611	T	C	-0.342	0.023	0.499	1.91E-49	-0.003	0.003	0.216	0.056	218.392	TRUE	3.40E-47
PEF	PRKCA	cg18950779	rs9892651	C	T	0.180	0.024	0.423	5.49E-14	-0.010	0.003	1.28E-04	0.015	56.517	TRUE	1.55E-12
PEF	PRKCA	cg18950779	rs9899742	T	C	0.166	0.023	0.497	1.39E-12	-0.007	0.003	0.008	0.013	50.177	TRUE	1.45E-11
PEF	PRKCA	cg20152382	rs35105653	A	G	0.180	0.024	0.398	4.71E-14	-0.009	0.003	8.63E-04	0.015	56.818	TRUE	9.53E-13
PEF	PRKCA	cg22632947	rs67379314	A	G	0.190	0.030	0.184	4.25E-10	-0.004	0.003	0.181	0.010	38.973	TRUE	1.36E-09
PEF	PRKCA	cg22632947	rs8074995	A	G	-0.205	0.034	0.139	1.04E-09	-0.001	0.004	0.789	0.010	37.221	TRUE	1.63E-09
PEF	PRKCA	cg22632947	rs9915231	G	A	1.167	0.052	0.051	1.68E-109	-0.009	0.006	0.123	0.118	494.005	TRUE	2.31E-102
PEF	PRKCA	cg24171047	rs76819749	C	A	-0.754	0.061	0.037	1.62E-35	-0.003	0.007	0.697	0.040	154.633	TRUE	1.86E-34
PEF	PRKCA	cg25134567	rs35499077	C	T	-0.167	0.024	0.384	3.82E-12	-0.002	0.003	0.448	0.013	48.186	TRUE	9.78E-12
PEF	PRKCA	cg25134567	rs8072195	T	C	-0.225	0.040	0.092	2.59E-08	-0.002	0.005	0.635	0.008	30.979	TRUE	4.31E-08
PEF	PRKCA	cg25228562	rs28733563	A	G	-0.159	0.027	0.258	4.28E-09	0.009	0.003	0.002	0.009	34.475	TRUE	3.49E-08
PEF	PRKCA	cg25228562	rs3803822	C	T	-0.222	0.023	0.395	3.12E-21	0.002	0.003	0.486	0.024	89.416	TRUE	1.46E-20
PEF	PRKCA	cg25228562	rs4630584	T	A	0.305	0.024	0.370	1.86E-37	0.000	0.003	0.948	0.042	163.496	TRUE	1.70E-36
PEF	PRKCA	cg25649039	rs4556826	G	A	0.132	0.024	0.338	4.73E-08	0.007	0.003	0.008	0.008	29.810	TRUE	2.52E-07
PEF	PRKCA	cg25909396	rs11658025	G	A	0.425	0.027	0.243	3.70E-57	0.007	0.003	0.023	0.064	253.744	TRUE	1.04E-53
PEF	PRKCA	cg25909396	rs116873022	G	A	0.453	0.059	0.045	1.88E-14	0.002	0.006	0.803	0.016	58.623	TRUE	3.73E-14
PEF	PRKCA	cg25909396	rs142395143	T	C	-0.167	0.029	0.219	6.83E-09	-0.007	0.003	0.042	0.009	33.563	TRUE	2.96E-08
PEF	PRKCA	cg25909396	rs4791049	T	C	0.260	0.043	0.079	1.24E-09	0.009	0.005	0.050	0.010	36.879	TRUE	5.60E-09
PEF	PRKCA	cg25909396	rs62072561	A	G	-0.202	0.028	0.237	2.52E-13	0.007	0.003	0.021	0.014	53.523	TRUE	2.26E-12
PEF	PRKCA	cg25909396	rs7216080	G	A	-0.132	0.023	0.456	1.90E-08	-0.001	0.003	0.849	0.008	31.572	TRUE	2.69E-08
PEF	PRKCA	cg26389955	rs75943832	C	T	-0.508	0.045	0.072	1.37E-29	-0.007	0.005	0.157	0.033	127.540	TRUE	3.02E-28
PEF	PRKCA	cg26450228	rs13341435	A	G	0.486	0.053	0.048	2.29E-20	0.013	0.006	0.025	0.023	85.478	TRUE	4.22E-19
PEF	PRKCA	cg26450228	rs16959062	G	A	0.203	0.031	0.162	9.16E-11	0.006	0.004	0.088	0.011	41.969	TRUE	3.99E-10
PEF	PRKCA	cg26450228	rs16959526	A	G	0.368	0.032	0.148	4.00E-30	-0.004	0.004	0.237	0.034	129.976	TRUE	7.18E-29
PEF	PRKCA	cg26450228	rs17634425	G	A	0.329	0.044	0.075	7.71E-14	0.001	0.005	0.845	0.015	55.847	TRUE	1.42E-13
PEF	PRKCA	cg26450228	rs1833349	A	G	0.135	0.023	0.433	1.01E-08	0.001	0.003	0.586	0.009	32.803	TRUE	1.80E-08
PEF	PRKCA	cg26450228	rs7210846	A	G	0.147	0.024	0.480	4.87E-10	0.007	0.003	0.004	0.010	38.708	TRUE	4.09E-09
PEF	PRKCA	cg26450228	rs7220836	C	T	0.167	0.028	0.234	1.41E-09	-0.003	0.003	0.325	0.010	36.633	TRUE	3.49E-09
PEF	PRKCA	cg26450228	rs8066294	C	T	-0.260	0.028	0.218	1.42E-20	-0.005	0.003	0.118	0.023	86.416	TRUE	1.42E-19
PEF	PRKCA	cg26450228	rs9896134	C	T	-0.235	0.027	0.260	3.07E-18	-0.006	0.003	0.039	0.020	75.806	TRUE	3.75E-17
PEF	PRKCA	cg26726141	rs117790450	T	C	0.462	0.057	0.038	9.87E-16	0.013	0.006	0.036	0.017	64.422	TRUE	9.66E-15
PEF	PRKCA	cg26726141	rs16959062	G	A	0.182	0.031	0.162	5.91E-09	0.006	0.004	0.088	0.009	33.846	TRUE	2.13E-08
PEF	PRKCA	cg26726141	rs17686425	A	G	-0.261	0.026	0.273	2.82E-23	0.007	0.003	0.020	0.026	98.730	TRUE	7.93E-22
PEF	PRKCA	cg26726141	rs17688050	G	A	0.229	0.028	0.213	5.03E-16	-0.005	0.003	0.128	0.017	65.750	TRUE	3.20E-15
PEF	PRKCA	cg26726141	rs7215107	G	A	-0.134	0.024	0.476	1.43E-08	-0.009	0.003	7.07E-04	0.009	32.135	TRUE	1.32E-07
PEF	PRKCA	cg26726141	rs8066294	C	T	-0.229	0.028	0.218	2.49E-16	-0.005	0.003	0.118	0.018	67.132	TRUE	1.65E-15
PEF	PRKCA	cg26726141	rs956952	A	C	0.391	0.032	0.150	4.92E-34	-0.004	0.004	0.230	0.038	147.847	TRUE	1.33E-32
PEF	PRKCA	cg26726141	rs973753	C	T	0.227	0.032	0.157	2.29E-12	-0.002	0.003	0.628	0.013	49.188	TRUE	4.80E-12

PEF	PRKCA	cg27019712	rs10491204	C	T	0.186	0.031	0.166	3.33E-09	0.009	0.003	0.006	0.009	34.962	TRUE	2.31E-08
PEF	PRKCA	cg27019712	rs2227857	A	G	-0.207	0.024	0.363	1.73E-17	-0.004	0.003	0.090	0.019	72.396	TRUE	1.45E-16
PEF	PRKCA	cg27019712	rs34251715	G	A	0.181	0.025	0.313	2.87E-13	-0.002	0.003	0.517	0.014	53.265	TRUE	7.16E-13
PEF	PRKCA	cg27019712	rs57007285	A	C	-0.317	0.043	0.077	1.86E-13	0.002	0.005	0.620	0.014	54.119	TRUE	4.25E-13
PEF	PRKCA	cg27019712	rs7210247	T	C	-0.302	0.043	0.082	1.43E-12	-0.006	0.005	0.250	0.013	50.120	TRUE	4.94E-12
PEF	PRKCA	cg27019712	rs73996407	T	C	-0.538	0.053	0.051	5.71E-24	-0.008	0.006	0.172	0.027	101.890	TRUE	6.59E-23
PEF	PRKCA	cg27019712	rs79114493	T	A	-0.367	0.053	0.050	6.23E-12	0.042	0.053	0.432	0.013	47.230	TRUE	1.60E-11
PEF	PRKCA	cg27019712	rs9895850	T	C	-0.378	0.055	0.047	7.71E-12	0.003	0.006	0.592	0.012	46.812	TRUE	1.65E-11
PEF	PRKCA	cg27019712	rs9896134	C	T	-0.800	0.024	0.260	2.07E-251	-0.006	0.003	0.039	0.237	1146.327	TRUE	1.03E-223
PEF	PRKCD	cg03200095	rs13319192	T	G	0.359	0.054	0.046	2.69E-11	-0.006	0.006	0.350	0.012	44.369	TRUE	7.25E-11
PEF	PRKCD	cg03200095	rs2306570	T	C	-0.438	0.030	0.174	1.39E-49	-0.008	0.003	0.013	0.056	219.023	TRUE	1.61E-46
PEF	PRKCD	cg03200095	rs62253610	G	A	-0.299	0.051	0.052	5.23E-09	-0.014	0.005	0.007	0.009	34.083	TRUE	3.34E-08
PEF	PRKCD	cg03200095	rs7634447	A	C	0.150	0.026	0.262	1.10E-08	0.002	0.003	0.533	0.009	32.631	TRUE	2.03E-08
PEF	PRKCD	cg04981430	rs12630183	C	A	0.266	0.030	0.183	5.91E-19	-0.002	0.003	0.512	0.021	79.054	TRUE	2.25E-18
PEF	PRKCD	cg04981430	rs13319192	T	G	0.576	0.054	0.046	2.93E-26	-0.006	0.006	0.350	0.029	112.333	TRUE	2.69E-25
PEF	PRKCD	cg04981430	rs145226981	T	G	-0.182	0.026	0.302	2.77E-12	0.008	0.003	0.006	0.013	48.822	TRUE	2.97E-11
PEF	PRKCD	cg04981430	rs2306570	T	C	0.548	0.030	0.174	9.93E-76	-0.008	0.003	0.013	0.084	338.935	TRUE	9.17E-71
PEF	PRKCD	cg04981430	rs71297397	C	T	0.435	0.057	0.053	3.23E-14	-0.013	0.006	0.015	0.015	57.559	TRUE	3.46E-13
PEF	PRKCD	cg04981430	rs75135222	C	T	0.315	0.052	0.049	1.10E-09	-0.006	0.006	0.270	0.010	37.122	TRUE	2.92E-09
PEF	PRKCD	cg04981430	rs7614981	C	A	0.170	0.024	0.472	1.02E-12	-0.005	0.003	0.072	0.014	50.773	TRUE	5.77E-12
PEF	PRKCD	cg04981430	rs78365485	C	G	0.362	0.056	0.046	1.06E-10	0.001	0.006	0.888	0.011	41.685	TRUE	1.61E-10
PEF	PRKCD	cg08176244	rs12494824	T	C	-0.216	0.025	0.359	1.24E-18	0.005	0.003	0.061	0.021	77.588	TRUE	1.44E-17
PEF	PRKCD	cg08176244	rs62254274	G	A	-0.187	0.034	0.133	4.47E-08	-0.003	0.004	0.352	0.008	29.918	TRUE	9.40E-08
PEF	PRKCD	cg08176244	rs7630325	A	G	0.226	0.034	0.144	1.74E-11	-0.003	0.004	0.487	0.012	45.221	TRUE	4.03E-11
PEF	PRKCD	cg13469346	rs13319192	T	G	0.400	0.054	0.046	1.14E-13	-0.006	0.006	0.350	0.015	55.073	TRUE	3.69E-13
PEF	PRKCD	cg23168971	rs13319192	T	G	-0.407	0.054	0.046	3.95E-14	-0.006	0.006	0.350	0.015	57.163	TRUE	1.32E-13
PEF	PRKD1	cg10077239	rs10136137	A	G	0.143	0.024	0.414	1.67E-09	0.000	0.003	0.994	0.010	36.308	TRUE	2.19E-09
PEF	PRKD1	cg10077239	rs11626226	C	T	0.323	0.056	0.047	7.15E-09	-0.003	0.006	0.677	0.009	33.474	TRUE	1.18E-08
PEF	PRKD1	cg13732130	rs72675586	A	G	-0.727	0.121	0.014	1.74E-09	0.005	0.011	0.658	0.010	36.226	TRUE	3.01E-09
PEF	PRKD1	cg13732130	rs73243906	G	A	-0.359	0.055	0.050	4.95E-11	-0.004	0.006	0.454	0.012	43.174	TRUE	1.15E-10
PEF	PRKD1	cg13732130	rs74040636	T	C	-1.270	0.061	0.037	1.57E-97	-0.010	0.007	0.148	0.106	439.018	TRUE	1.32E-91
PEF	PRKD1	cg13732130	rs75043161	G	A	-0.626	0.081	0.020	1.53E-14	-0.007	0.009	0.415	0.016	59.023	TRUE	4.80E-14
PEF	PRKD1	cg15490801	rs138940224	C	A	0.413	0.059	0.048	1.81E-12	-0.014	0.006	0.027	0.013	49.648	TRUE	1.35E-11
PEF	PRKD1	cg15490801	rs2093471	A	G	-0.152	0.025	0.334	8.12E-10	-0.001	0.003	0.625	0.010	37.712	TRUE	1.47E-09
PEF	PRRT1	cg00403498	rs180713844	A	G	-0.281	0.038	0.324	1.78E-13	0.026	0.004	2.58E-14	0.014	54.207	TRUE	6.75E-11
PEF	PRRT1	cg00403498	rs3130283	A	C	-0.449	0.031	0.161	3.30E-46	0.002	0.004	0.586	0.052	203.564	TRUE	1.41E-44
PEF	PRRT1	cg00403498	rs3131627	A	G	-0.140	0.024	0.404	5.10E-09	0.001	0.003	0.687	0.009	34.134	TRUE	8.31E-09
PEF	PRRT1	cg00403498	rs3819306	G	A	0.133	0.024	0.382	2.74E-08	0.011	0.003	2.75E-05	0.008	30.870	TRUE	3.65E-07
PEF	PRRT1	cg00403498	rs707928	G	A	0.143	0.025	0.340	1.66E-08	-0.014	0.003	1.40E-07	0.009	31.842	TRUE	3.97E-07
PEF	PRRT1	cg00403498	rs9263773	T	C	-0.132	0.024	0.365	4.47E-08	0.018	0.003	1.58E-12	0.008	29.920	TRUE	2.45E-06
PEF	PRRT1	cg00403498	rs9264626	T	C	-0.165	0.025	0.364	2.25E-11	-0.028	0.003	6.54E-26	0.012	44.712	TRUE	3.02E-08
PEF	PRRT1	cg00403498	rs9267857	G	A	0.149	0.024	0.417	2.44E-10	-0.001	0.003	0.710	0.011	40.053	TRUE	4.28E-10

PEF	PRRT1	cg02429905	rs114004994	C	G	0.426	0.061	0.036	2.41E-12	0.016	0.006	0.012	0.013	49.094	TRUE	2.16E-11
PEF	PRRT1	cg17161421	rs114004994	C	G	0.496	0.061	0.036	4.42E-16	0.016	0.006	0.012	0.018	66.003	TRUE	6.29E-15
PEF	PRRT1	cg17161421	rs9267817	A	G	-0.214	0.029	0.212	1.45E-13	0.002	0.003	0.426	0.015	54.612	TRUE	4.10E-13
PEF	PRRT1	cg17161421	rs9267860	A	G	0.171	0.031	0.184	3.84E-08	-0.001	0.003	0.825	0.008	30.211	TRUE	5.41E-08
PEF	PRRT1	cg20914572	rs114004994	C	G	0.469	0.061	0.036	1.82E-14	0.016	0.006	0.012	0.016	58.682	TRUE	2.13E-13
PEF	PRRT1	cg20914572	rs114258010	G	A	0.297	0.051	0.082	5.38E-09	0.009	0.005	0.083	0.009	34.027	TRUE	1.98E-08
PEF	PRRT1	cg20914572	rs1265945	G	A	-0.306	0.024	0.373	6.94E-37	-0.024	0.003	4.29E-20	0.042	160.886	TRUE	5.26E-31
PEF	PRRT1	cg20914572	rs1269839	T	G	0.280	0.050	0.055	2.14E-08	-0.012	0.006	0.025	0.008	31.348	TRUE	9.90E-08
PEF	PRRT1	cg20914572	rs146305655	A	G	0.427	0.067	0.038	1.48E-10	0.016	0.007	0.026	0.011	41.038	TRUE	8.87E-10
PEF	PRRT1	cg20914572	rs2308655	G	C	0.135	0.024	0.370	2.49E-08	0.016	0.003	4.73E-10	0.008	31.056	TRUE	1.01E-06
PEF	PRRT1	cg20914572	rs2516469	G	C	-0.261	0.033	0.149	2.05E-15	0.000	0.004	0.986	0.017	62.983	TRUE	3.61E-15
PEF	PRRT1	cg20914572	rs3134605	C	T	-0.159	0.028	0.223	1.61E-08	-0.032	0.003	6.96E-26	0.009	31.903	TRUE	6.33E-06
PEF	PRRT1	cg20914572	rs522254	G	A	0.184	0.029	0.207	1.13E-10	0.020	0.003	7.46E-11	0.011	41.567	TRUE	9.98E-09
PEF	PRRT1	cg20914572	rs9469051	C	G	0.195	0.035	0.132	1.48E-08	0.019	0.004	1.26E-07	0.009	32.057	TRUE	3.71E-07
PEF	PRRT1	cg21037008	rs114004994	C	G	0.515	0.061	0.036	2.61E-17	0.016	0.006	0.012	0.019	71.577	TRUE	4.32E-16
PEF	PRRT1	cg21037008	rs9469051	C	G	0.199	0.034	0.132	6.65E-09	0.019	0.004	1.26E-07	0.009	33.617	TRUE	1.81E-07
PEF	PTGDR	cg02191312	rs11626204	A	G	0.228	0.035	0.123	1.35E-10	-0.010	0.004	0.011	0.011	41.207	TRUE	1.01E-09
PEF	PTGDR	cg09516965	rs11157906	G	A	0.223	0.035	0.127	1.26E-10	-0.009	0.004	0.014	0.011	41.352	TRUE	8.69E-10
PEF	PTGDR	cg09516965	rs4901236	A	G	0.233	0.033	0.139	2.42E-12	-0.001	0.004	0.804	0.013	49.087	TRUE	4.30E-12
PEF	PTGDR	cg10837806	rs708487	G	A	0.236	0.028	0.221	1.12E-16	0.002	0.003	0.616	0.018	68.715	TRUE	3.11E-16
PEF	PTGDR	cg10837806	rs75832675	A	G	-0.167	0.027	0.263	4.39E-10	-0.001	0.003	0.631	0.010	38.910	TRUE	8.17E-10
PEF	PTGDR	cg13561855	rs112726355	G	A	0.257	0.040	0.086	1.04E-10	0.006	0.004	0.175	0.011	41.714	TRUE	3.53E-10
PEF	PTGDR	cg13561855	rs8005977	T	C	-0.155	0.024	0.398	1.27E-10	-0.005	0.003	0.050	0.011	41.333	TRUE	6.40E-10
PEF	PTGDR	cg17929687	rs10137242	T	C	0.356	0.034	0.137	2.51E-26	0.000	0.004	0.912	0.030	112.637	TRUE	9.48E-26
PEF	PTGDR	cg17929687	rs11626204	A	G	0.387	0.036	0.123	1.29E-27	-0.010	0.004	0.011	0.031	118.520	TRUE	8.07E-26
PEF	PTGDR	cg17929687	rs142859682	A	G	0.525	0.082	0.020	1.71E-10	-0.008	0.008	0.346	0.011	40.756	TRUE	4.35E-10
PEF	PTGDR	cg17929687	rs74504207	A	G	0.468	0.083	0.023	1.51E-08	-0.014	0.009	0.094	0.009	32.027	TRUE	5.12E-08
PEF	PTGDR	cg18242103	rs10129444	A	G	0.401	0.045	0.071	6.38E-19	0.000	0.005	0.980	0.021	78.905	TRUE	1.35E-18
PEF	PTGDR	cg18242103	rs11157907	C	T	0.333	0.035	0.125	5.33E-21	-0.009	0.004	0.013	0.023	88.357	TRUE	1.34E-19
PEF	PTGDR	cg18242103	rs8022207	A	G	0.210	0.026	0.276	2.35E-15	-0.002	0.003	0.492	0.017	62.715	TRUE	7.01E-15
PEF	PTGDR	cg18369034	rs10136495	G	A	0.291	0.025	0.303	8.56E-31	0.003	0.003	0.234	0.035	133.037	TRUE	1.60E-29
PEF	PTGDR	cg18369034	rs11623990	A	C	-0.745	0.032	0.155	1.51E-123	-0.008	0.004	0.026	0.131	558.528	TRUE	3.01E-114
PEF	PTGDR	cg18369034	rs11626761	G	A	-0.200	0.029	0.212	3.33E-12	0.006	0.003	0.076	0.013	48.459	TRUE	1.75E-11
PEF	PTGDR	cg18369034	rs12588905	C	T	-0.134	0.024	0.498	2.15E-08	-0.001	0.003	0.770	0.008	31.339	TRUE	3.18E-08
PEF	PTGDR	cg18369034	rs1495788	G	T	-0.341	0.023	0.483	3.73E-48	-0.003	0.003	0.206	0.054	212.478	TRUE	5.96E-46
PEF	PTGDR	cg18369034	rs2073625	T	C	0.185	0.027	0.259	3.24E-12	-0.002	0.003	0.460	0.013	48.509	TRUE	8.07E-12
PEF	PTGDR	cg18369034	rs28564141	A	G	-0.283	0.045	0.074	2.48E-10	0.001	0.005	0.870	0.011	40.022	TRUE	3.76E-10
PEF	PTGDR	cg18369034	rs76760921	A	G	0.397	0.054	0.046	1.57E-13	0.007	0.006	0.227	0.015	54.453	TRUE	6.10E-13
PEF	PTGDR	cg18369034	rs78457668	A	T	-0.263	0.039	0.091	2.58E-11	0.005	0.004	0.235	0.012	44.448	TRUE	8.34E-11
PEF	PTGDR	cg19716643	rs10137374	C	T	0.163	0.026	0.276	8.16E-10	-0.002	0.003	0.523	0.010	37.701	TRUE	1.64E-09
PEF	PTGDR	cg19716643	rs2749870	G	A	0.179	0.024	0.454	5.52E-14	-0.005	0.003	0.065	0.015	56.503	TRUE	3.77E-13
PEF	PTGDR	cg19716643	rs708486	G	A	-0.142	0.024	0.432	1.71E-09	-0.001	0.003	0.664	0.010	36.254	TRUE	2.94E-09

PEF	PTGDR	cg23022053	rs10146847	G	T	-1.211	0.017	0.280	<1E-200	-0.001	0.003	0.610	0.580	5097.937	TRUE	<1E-200
PEF	PTGDR	cg23022053	rs111579609	A	G	-0.472	0.072	0.022	6.96E-11	0.013	0.008	0.101	0.011	42.506	TRUE	2.94E-10
PEF	PTGDR	cg23022053	rs118075982	G	A	-0.582	0.084	0.020	3.54E-12	0.000	0.009	0.979	0.013	48.339	TRUE	5.29E-12
PEF	PTGDR	cg23022053	rs12884113	C	A	0.470	0.083	0.022	1.39E-08	0.000	0.010	0.988	0.009	32.186	TRUE	1.77E-08
PEF	PTGDR	cg23022053	rs1353411	A	G	-0.203	0.031	0.174	3.24E-11	-0.002	0.003	0.632	0.012	44.005	TRUE	6.38E-11
PEF	PTGDR	cg23022053	rs1390375	G	T	0.362	0.027	0.230	1.22E-39	-0.004	0.003	0.250	0.045	173.495	TRUE	5.86E-38
PEF	PTGDR	cg23022053	rs1692041	T	C	-0.145	0.025	0.312	1.31E-08	0.002	0.003	0.406	0.009	32.303	TRUE	2.75E-08
PEF	PTGDR	cg23022053	rs1776503	T	C	-0.283	0.024	0.386	1.52E-32	0.000	0.003	0.872	0.037	141.042	TRUE	9.79E-32
PEF	PTGDR	cg23022053	rs17831567	A	G	-0.855	0.060	0.039	1.19E-45	-0.004	0.006	0.494	0.052	201.005	TRUE	5.88E-44
PEF	PTGDR	cg23022053	rs34968560	C	T	-0.246	0.039	0.102	2.30E-10	-0.008	0.004	0.059	0.011	40.172	TRUE	1.08E-09
PEF	PTGDR	cg23022053	rs36025743	G	A	0.225	0.039	0.097	1.22E-08	0.001	0.004	0.778	0.009	32.441	TRUE	1.83E-08
PEF	PTGDR	cg23022053	rs62003489	T	G	-0.129	0.024	0.500	4.85E-08	0.002	0.003	0.432	0.008	29.759	TRUE	9.51E-08
PEF	PTGDR	cg23022053	rs62005715	T	C	0.345	0.047	0.066	2.54E-13	-0.009	0.005	0.071	0.014	53.503	TRUE	1.56E-12
PEF	PTGDR	cg23022053	rs7145901	T	C	0.379	0.025	0.306	2.07E-51	0.002	0.003	0.541	0.058	227.394	TRUE	1.82E-49
PEF	PTGDR	cg23022053	rs76073421	G	C	-0.784	0.081	0.020	6.28E-22	-0.011	0.008	0.167	0.024	92.587	TRUE	6.16E-21
PEF	PTGDR	cg23022053	rs76495438	T	C	-0.719	0.089	0.019	6.87E-16	-0.010	0.010	0.286	0.017	65.136	TRUE	2.93E-15
PEF	PTGDR	cg23022053	rs77948181	G	A	-0.608	0.056	0.048	4.39E-27	-0.008	0.006	0.186	0.030	116.097	TRUE	6.56E-26
PEF	PTGDR	cg23022053	rs79595478	C	T	-0.298	0.044	0.080	1.24E-11	0.007	0.005	0.122	0.012	45.887	TRUE	5.27E-11
PEF	PTGDR	cg23022053	rs8009354	A	G	-0.161	0.026	0.295	4.75E-10	-0.002	0.003	0.417	0.010	38.756	TRUE	1.09E-09
PEF	PTGDR	cg23022053	rs802964	G	A	-0.205	0.028	0.226	9.00E-14	0.002	0.003	0.607	0.015	55.544	TRUE	2.10E-13
PEF	PTGDR	cg23022053	rs803020	T	C	0.353	0.056	0.055	2.04E-10	0.008	0.005	0.112	0.011	40.403	TRUE	7.89E-10
PEF	PTGDR	cg24089118	rs10136844	G	T	0.304	0.030	0.181	1.32E-23	-0.002	0.003	0.604	0.026	100.234	TRUE	6.22E-23
PEF	PTGDR	cg24089118	rs11157906	G	A	0.311	0.035	0.127	1.05E-18	-0.009	0.004	0.014	0.021	77.915	TRUE	1.96E-17
PEF	PTGDR	cg24989962	rs10137242	T	C	0.322	0.034	0.137	1.81E-21	0.000	0.004	0.912	0.024	90.499	TRUE	4.87E-21
PEF	PTGDR	cg24989962	rs11626204	A	G	0.349	0.036	0.123	1.97E-22	-0.010	0.004	0.011	0.025	94.879	TRUE	6.43E-21
PEF	PTGDR	cg24989962	rs142859682	A	G	0.479	0.083	0.020	7.71E-09	-0.008	0.008	0.346	0.009	33.329	TRUE	1.74E-08
PEF	PTGDR	cg24989962	rs74504207	A	G	0.496	0.083	0.023	2.48E-09	-0.014	0.009	0.094	0.010	35.534	TRUE	9.14E-09
PEF	PTGDR	cg26168772	rs8003616	A	G	0.196	0.026	0.295	2.20E-14	-0.002	0.003	0.410	0.016	58.313	TRUE	6.87E-14
PEF	PTGDR	cg27131955	rs12891608	C	G	0.162	0.025	0.354	8.12E-11	0.002	0.003	0.580	0.011	42.206	TRUE	1.66E-10
PEF	PTGDR	cg27131955	rs1437560	G	A	-0.206	0.024	0.408	1.32E-17	-0.006	0.003	0.030	0.019	72.918	TRUE	1.68E-16
PEF	PTGDR	cg27131955	rs34968651	T	C	0.516	0.040	0.086	7.44E-39	0.006	0.004	0.175	0.044	169.898	TRUE	4.12E-37
PEF	PTGDR	cg27131955	rs803013	G	T	-0.146	0.023	0.467	4.45E-10	0.003	0.003	0.188	0.010	38.885	TRUE	1.39E-09
PEF	RAB34	cg05668853	rs188773775	G	A	0.279	0.043	0.080	7.50E-11	-0.005	0.005	0.273	0.011	42.360	TRUE	2.17E-10
PEF	RAB34	cg05668853	rs9895369	A	G	0.268	0.036	0.122	1.56E-13	-0.009	0.004	0.019	0.015	54.466	TRUE	1.42E-12
PEF	RAB7A	cg01368075	rs11926639	C	A	0.223	0.037	0.116	1.41E-09	-0.007	0.004	0.074	0.010	36.637	TRUE	5.63E-09
PEF	RAB7A	cg01368075	rs1683784	T	C	-0.171	0.028	0.227	1.80E-09	-0.001	0.003	0.880	0.010	36.158	TRUE	2.62E-09
PEF	RAB7A	cg01368075	rs186934128	T	C	0.263	0.047	0.074	2.40E-08	0.005	0.005	0.293	0.008	31.125	TRUE	5.52E-08
PEF	RAB7A	cg01368075	rs56373544	G	A	0.344	0.024	0.370	1.07E-47	0.004	0.003	0.102	0.054	210.377	TRUE	2.79E-45
PEF	RAB7A	cg15033153	rs12497923	G	A	0.207	0.024	0.408	2.77E-18	0.004	0.003	0.161	0.020	76.005	TRUE	1.92E-17
PEF	RAB7A	cg15033153	rs4443195	C	A	0.162	0.024	0.473	5.32E-12	0.001	0.003	0.679	0.013	47.539	TRUE	1.04E-11
PEF	RAB7A	cg15033153	rs73198875	T	C	1.241	0.045	0.067	5.68E-164	0.003	0.005	0.608	0.168	744.303	TRUE	8.45E-152
PEF	RAB7A	cg15033153	rs73202270	A	G	0.396	0.050	0.059	2.01E-15	0.015	0.005	0.004	0.017	63.019	TRUE	3.57E-14

PEF	RAB7A	cg15033153	rs7614922	C	G	0.235	0.034	0.146	5.33E-12	0.005	0.004	0.215	0.013	47.537	TRUE	1.90E-11
PEF	RAB7A	cg15033153	rs9811914	C	T	0.160	0.027	0.269	2.58E-09	-0.003	0.003	0.316	0.009	35.456	TRUE	6.26E-09
PEF	RAB7A	cg19205850	rs114366529	T	A	-0.291	0.049	0.062	3.62E-09	0.004	0.005	0.479	0.009	34.800	TRUE	7.27E-09
PEF	RAB7A	cg19205850	rs12630170	C	T	0.148	0.023	0.438	2.67E-10	0.006	0.003	0.022	0.011	39.881	TRUE	1.58E-09
PEF	RAB7A	cg19205850	rs1683812	G	A	0.144	0.023	0.473	6.52E-10	0.002	0.003	0.383	0.010	38.139	TRUE	1.53E-09
PEF	RAB7A	cg19205850	rs2253151	T	C	0.178	0.025	0.361	4.31E-13	-0.001	0.003	0.623	0.014	52.469	TRUE	9.63E-13
PEF	RAB7A	cg19205850	rs62272592	T	C	-0.251	0.042	0.087	1.72E-09	-0.002	0.004	0.672	0.010	36.245	TRUE	2.94E-09
PEF	RAB7A	cg19205850	rs9867598	T	C	0.609	0.040	0.087	1.58E-53	0.009	0.004	0.034	0.060	237.106	TRUE	1.82E-50
PEF	RAB7A	cg19991780	rs11712335	C	T	0.163	0.026	0.273	5.21E-10	0.000	0.003	0.910	0.010	38.576	TRUE	7.49E-10
PEF	RAB7A	cg19991780	rs11717152	C	A	-0.218	0.028	0.237	1.31E-14	0.001	0.003	0.648	0.016	59.327	TRUE	3.10E-14
PEF	RAB7A	cg19991780	rs140780042	T	C	-0.652	0.079	0.027	1.08E-16	0.017	0.009	0.048	0.018	68.787	TRUE	1.06E-15
PEF	RAB7A	cg19991780	rs149596160	G	A	-0.854	0.085	0.021	5.56E-24	-0.002	0.009	0.779	0.027	101.943	TRUE	2.12E-23
PEF	RAB7A	cg19991780	rs1680779	A	G	-0.209	0.025	0.322	7.23E-17	0.000	0.003	0.934	0.018	69.573	TRUE	1.43E-16
PEF	RAB7A	cg19991780	rs2811502	T	C	0.356	0.023	0.420	4.52E-52	0.001	0.003	0.835	0.059	230.426	TRUE	2.27E-50
PEF	RAB7A	cg19991780	rs4857855	T	C	0.175	0.031	0.165	2.40E-08	-0.004	0.003	0.211	0.008	31.126	TRUE	6.17E-08
PEF	RAB7A	cg19991780	rs574990822	G	A	0.586	0.103	0.011	1.47E-08	0.004	0.010	0.725	0.009	32.069	TRUE	2.31E-08
PEF	RAB7A	cg19991780	rs59753334	G	C	-0.794	0.041	0.095	4.58E-84	0.008	0.004	0.073	0.093	377.195	TRUE	5.26E-79
PEF	RAB7A	cg19991780	rs6773936	G	A	0.298	0.029	0.209	4.83E-25	0.000	0.003	0.918	0.028	106.781	TRUE	1.63E-24
PEF	RAB7A	cg19991780	rs71331614	T	C	0.434	0.035	0.116	6.98E-35	0.005	0.004	0.163	0.039	151.724	TRUE	2.67E-33
PEF	RAB7A	cg19991780	rs73203412	A	G	-0.203	0.030	0.191	1.78E-11	0.011	0.003	0.001	0.012	45.171	TRUE	2.34E-10
PEF	RAB7A	cg19991780	rs74913388	T	C	-0.293	0.029	0.203	2.51E-23	-0.001	0.003	0.687	0.026	98.960	TRUE	1.04E-22
PEF	RAB7A	cg19991780	rs9838579	G	A	0.334	0.026	0.262	1.02E-37	-0.003	0.003	0.394	0.043	164.692	TRUE	2.66E-36
PEF	RAB7A	cg26867765	rs6804596	C	G	0.344	0.032	0.151	4.48E-27	0.007	0.003	0.034	0.030	116.055	TRUE	1.61E-25
PEF	RAF1	cg02420927	rs5746154	A	G	0.246	0.035	0.131	2.99E-12	-0.014	0.004	2.22E-04	0.013	48.668	TRUE	6.00E-11
PEF	RAF1	cg02420927	rs60943691	C	A	-0.258	0.023	0.402	2.13E-28	0.003	0.003	0.190	0.032	122.094	TRUE	3.68E-27
PEF	RAF1	cg09856107	rs4234512	T	G	0.296	0.027	0.236	2.50E-27	0.005	0.003	0.088	0.031	117.210	TRUE	6.03E-26
PEF	RAF1	cg09856107	rs6442325	A	C	-0.168	0.026	0.288	5.83E-11	0.001	0.003	0.703	0.011	42.854	TRUE	1.05E-10
PEF	RAF1	cg12173506	rs12714875	G	T	-0.149	0.027	0.254	2.96E-08	-0.008	0.003	0.007	0.008	30.715	TRUE	1.75E-07
PEF	RAF1	cg13703021	rs7617041	G	A	0.262	0.025	0.350	6.53E-26	-0.008	0.003	0.002	0.029	110.744	TRUE	5.85E-24
PEF	RAF1	cg23032965	rs112126248	A	G	0.650	0.048	0.064	7.59E-42	-0.010	0.006	0.083	0.047	183.589	TRUE	1.04E-39
PEF	RAF1	cg23032965	rs114464931	G	A	0.805	0.076	0.026	2.11E-26	0.006	0.009	0.456	0.030	112.983	TRUE	1.59E-25
PEF	RAF1	cg23032965	rs115113943	A	G	0.708	0.109	0.020	7.20E-11	0.010	0.009	0.238	0.011	42.440	TRUE	2.21E-10
PEF	RAF1	cg23032965	rs116542919	A	G	0.600	0.086	0.038	3.09E-12	-0.002	0.007	0.833	0.013	48.605	TRUE	5.30E-12
PEF	RAF1	cg23032965	rs11718656	C	T	-0.235	0.035	0.326	1.09E-11	0.000	0.003	0.890	0.012	46.132	TRUE	1.74E-11
PEF	RAF1	cg23032965	rs12636458	T	C	-0.414	0.053	0.101	4.33E-15	-0.003	0.004	0.471	0.016	61.512	TRUE	1.31E-14
PEF	RAF1	cg23032965	rs147785705	C	T	0.535	0.096	0.015	2.19E-08	0.001	0.012	0.945	0.008	31.299	TRUE	2.87E-08
PEF	RAF1	cg23032965	rs3817121	A	G	0.224	0.034	0.167	3.90E-11	-0.010	0.003	0.002	0.012	43.641	TRUE	4.14E-10
PEF	RAF1	cg23032965	rs4135275	G	A	-0.175	0.029	0.207	2.82E-09	0.002	0.003	0.445	0.009	35.284	TRUE	5.93E-09
PEF	RAF1	cg23032965	rs56268840	T	C	0.238	0.026	0.280	3.43E-20	-0.005	0.003	0.103	0.022	84.680	TRUE	3.61E-19
PEF	RAF1	cg23032965	rs62243663	A	C	-0.283	0.025	0.291	8.69E-29	0.001	0.003	0.740	0.032	123.871	TRUE	5.10E-28
PEF	RAF1	cg23032965	rs6795464	T	C	-0.212	0.024	0.357	3.64E-18	0.002	0.003	0.352	0.020	75.469	TRUE	1.65E-17
PEF	RAF1	cg23032965	rs693201	A	G	-0.155	0.024	0.438	4.56E-11	0.003	0.003	0.302	0.012	43.334	TRUE	1.30E-10

PEF	RAF1	cg23032965	rs71187446	A	G	0.609	0.052	0.053	2.59E-32	-0.008	0.006	0.174	0.036	139.975	TRUE	7.10E-31
PEF	RAF1	cg23032965	rs73027016	A	G	-0.154	0.026	0.265	5.81E-09	0.009	0.003	0.002	0.009	33.879	TRUE	4.56E-08
PEF	RAF1	cg23032965	rs9833097	A	G	0.377	0.040	0.098	3.99E-21	-0.009	0.004	0.031	0.023	88.930	TRUE	7.63E-20
PEF	RAF1	cg23032965	rs9849171	C	G	0.931	0.019	0.373	<1E-200	-0.009	0.003	0.001	0.387	2337.325	TRUE	<1E-200
PEF	RAF1	cg23032965	rs9863437	T	G	-0.408	0.027	0.247	3.67E-53	0.005	0.003	0.071	0.060	235.423	TRUE	2.52E-50
PEF	RAF1	cg23332193	rs2454456	A	G	-0.198	0.028	0.233	1.00E-12	0.006	0.003	0.062	0.014	50.817	TRUE	5.78E-12
PEF	RAF1	cg23332193	rs59821954	C	T	0.415	0.029	0.209	6.57E-47	-0.002	0.003	0.551	0.053	206.774	TRUE	3.29E-45
PEF	RAF1	cg26432171	rs1051208	A	G	-0.185	0.033	0.152	1.36E-08	-0.011	0.004	0.001	0.009	32.222	TRUE	1.11E-07
PEF	RAF1	cg26432171	rs34741626	T	C	-0.216	0.033	0.152	6.78E-11	-0.007	0.004	0.055	0.011	42.558	TRUE	3.42E-10
PEF	RAF1	cg26432171	rs3925798	T	C	0.399	0.023	0.414	3.77E-68	0.004	0.003	0.141	0.076	304.157	TRUE	1.53E-64
PEF	RAF1	cg26432171	rs9814180	A	G	0.130	0.023	0.440	2.64E-08	-0.002	0.003	0.507	0.008	30.936	TRUE	4.92E-08
PEF	RASIP1	cg01388301	rs281409	C	T	-0.276	0.051	0.055	4.80E-08	0.010	0.006	0.062	0.008	29.780	TRUE	1.70E-07
PEF	RASIP1	cg01388301	rs412712	T	A	0.361	0.023	0.415	1.47E-55	0.007	0.003	0.005	0.062	246.408	TRUE	6.66E-52
PEF	RASIP1	cg12258179	rs11672900	A	G	0.221	0.023	0.450	8.50E-22	0.012	0.003	2.40E-06	0.024	91.989	TRUE	2.07E-19
PEF	RASIP1	cg15673069	rs439523	T	C	0.395	0.023	0.472	6.97E-66	0.009	0.003	2.66E-04	0.074	293.757	TRUE	8.49E-61
PEF	RASIP1	cg15673069	rs8101298	G	C	0.259	0.035	0.138	1.59E-13	0.004	0.004	0.342	0.015	54.432	TRUE	5.11E-13
PEF	RASIP1	cg15673069	rs863277	G	A	-0.168	0.024	0.474	1.06E-12	-0.004	0.003	0.146	0.014	50.703	TRUE	4.54E-12
PEF	RASIP1	cg19420129	rs28400013	T	C	0.699	0.123	0.020	1.40E-08	0.003	0.010	0.785	0.009	32.176	TRUE	2.08E-08
PEF	RASIP1	cg19420129	rs34354498	T	C	-0.349	0.063	0.033	3.32E-08	0.009	0.007	0.160	0.008	30.492	TRUE	9.33E-08
PEF	RASIP1	cg19420129	rs4802517	C	T	0.136	0.024	0.344	3.02E-08	0.002	0.003	0.503	0.008	30.678	TRUE	5.52E-08
PEF	RASIP1	cg19420129	rs8103840	T	C	-0.172	0.024	0.458	3.59E-13	0.008	0.003	0.002	0.014	52.826	TRUE	5.90E-12
PEF	RASIP1	cg23082877	rs8106205	C	T	0.201	0.024	0.437	1.28E-17	0.007	0.003	0.005	0.019	72.989	TRUE	3.02E-16
PEF	RET	cg00248174	rs12764797	A	G	-0.216	0.039	0.098	3.57E-08	-0.006	0.005	0.200	0.008	30.354	TRUE	9.22E-08
PEF	RET	cg02045259	rs10900290	T	C	-0.207	0.030	0.181	4.22E-12	0.002	0.003	0.474	0.013	47.992	TRUE	1.02E-11
PEF	RET	cg02045259	rs148926546	G	C	-0.462	0.081	0.022	1.17E-08	0.022	0.010	0.021	0.009	32.512	TRUE	5.80E-08
PEF	RET	cg02045259	rs2506006	A	G	-0.435	0.026	0.259	2.72E-61	0.007	0.003	0.021	0.069	272.700	TRUE	1.58E-57
PEF	RET	cg02045259	rs3116708	C	T	0.160	0.023	0.468	4.83E-12	-0.001	0.003	0.692	0.013	47.731	TRUE	9.31E-12
PEF	RET	cg02045259	rs7086299	T	C	0.211	0.031	0.178	5.04E-12	-0.002	0.003	0.464	0.013	47.646	TRUE	1.24E-11
PEF	RET	cg02188665	rs1832859	G	A	0.196	0.024	0.389	3.85E-16	0.004	0.003	0.132	0.018	66.278	TRUE	2.41E-15
PEF	RET	cg02188665	rs1864400	G	A	0.163	0.030	0.193	4.62E-08	0.006	0.003	0.062	0.008	29.852	TRUE	1.64E-07
PEF	RET	cg02188665	rs2505999	T	C	-0.493	0.023	0.399	7.00E-103	-0.005	0.003	0.072	0.111	463.596	TRUE	3.66E-96
PEF	RET	cg02188665	rs3026748	G	C	-0.328	0.053	0.053	4.45E-10	0.012	0.006	0.036	0.010	38.884	TRUE	2.28E-09
PEF	RET	cg02188665	rs3116709	A	G	-0.143	0.025	0.356	7.74E-09	-0.001	0.003	0.701	0.009	33.322	TRUE	1.25E-08
PEF	RET	cg02188665	rs746995	C	T	-0.389	0.043	0.074	1.16E-19	-0.005	0.005	0.349	0.022	82.273	TRUE	6.03E-19
PEF	RET	cg02188665	rs9665481	C	T	-0.230	0.037	0.109	5.99E-10	0.001	0.004	0.788	0.010	38.302	TRUE	9.62E-10
PEF	RET	cg02188665	rs9787599	C	T	0.323	0.052	0.057	5.72E-10	0.008	0.006	0.160	0.010	38.395	TRUE	1.88E-09
PEF	RET	cg02780029	rs10793446	C	T	0.199	0.026	0.289	2.70E-14	0.004	0.003	0.120	0.015	57.911	TRUE	1.46E-13
PEF	RET	cg02780029	rs10900284	A	T	0.163	0.030	0.197	4.85E-08	-0.002	0.003	0.507	0.008	29.759	TRUE	8.76E-08
PEF	RET	cg02780029	rs111669406	A	G	0.883	0.136	0.011	7.88E-11	-0.007	0.011	0.553	0.011	42.266	TRUE	1.64E-10
PEF	RET	cg02780029	rs1255412	T	C	0.176	0.024	0.432	2.69E-13	-0.004	0.003	0.121	0.014	53.394	TRUE	1.33E-12
PEF	RET	cg02780029	rs12570505	G	T	-0.243	0.039	0.102	2.73E-10	-0.003	0.004	0.434	0.011	39.836	TRUE	6.21E-10
PEF	RET	cg02780029	rs143402854	T	C	0.943	0.087	0.019	1.78E-27	0.018	0.009	0.051	0.031	117.884	TRUE	5.57E-26

PEF	RET	cg02780029	rs146294863	A	G	0.896	0.129	0.013	3.68E-12	0.008	0.012	0.467	0.013	48.264	TRUE	9.11E-12
PEF	RET	cg02780029	rs147767633	A	C	0.602	0.099	0.012	1.20E-09	0.003	0.010	0.753	0.010	36.941	TRUE	1.94E-09
PEF	RET	cg02780029	rs150638162	A	G	-0.310	0.035	0.121	1.53E-18	-0.007	0.004	0.064	0.020	77.176	TRUE	1.67E-17
PEF	RET	cg02780029	rs1864407	G	T	0.894	0.080	0.019	3.00E-29	0.019	0.009	0.034	0.033	125.983	TRUE	1.39E-27
PEF	RET	cg02780029	rs192952832	A	G	-0.315	0.041	0.088	1.34E-14	-0.005	0.004	0.225	0.016	59.290	TRUE	5.79E-14
PEF	RET	cg02780029	rs2435343	G	T	-0.370	0.023	0.434	1.18E-58	-0.004	0.003	0.102	0.066	260.602	TRUE	1.37E-55
PEF	RET	cg02780029	rs2435355	C	T	-0.331	0.027	0.243	2.21E-35	-0.004	0.003	0.162	0.040	154.012	TRUE	9.02E-34
PEF	RET	cg02780029	rs2460537	T	C	0.255	0.028	0.241	4.07E-20	0.004	0.003	0.162	0.022	84.341	TRUE	3.39E-19
PEF	RET	cg02780029	rs2505646	G	A	-0.143	0.024	0.354	3.85E-09	0.000	0.003	0.965	0.009	34.677	TRUE	5.10E-09
PEF	RET	cg02780029	rs2900651	C	T	0.416	0.026	0.286	7.69E-58	0.002	0.003	0.540	0.065	256.874	TRUE	1.58E-55
PEF	RET	cg02780029	rs3026716	G	A	-0.312	0.026	0.271	9.44E-33	-0.003	0.003	0.346	0.037	141.982	TRUE	1.61E-31
PEF	RET	cg02780029	rs3026750	G	A	1.219	0.019	0.233	<1E-200	0.006	0.003	0.053	0.530	4174.918	TRUE	<1E-200
PEF	RET	cg02780029	rs3121285	T	C	0.215	0.037	0.119	4.29E-09	0.005	0.004	0.189	0.009	34.467	TRUE	1.24E-08
PEF	RET	cg02780029	rs58580576	T	A	0.464	0.038	0.100	1.37E-33	0.004	0.004	0.372	0.038	145.807	TRUE	2.46E-32
PEF	RET	cg02780029	rs61845682	A	C	0.960	0.076	0.027	5.30E-37	0.004	0.008	0.611	0.042	161.418	TRUE	8.09E-36
PEF	RET	cg02780029	rs71505660	A	C	-0.215	0.028	0.227	1.06E-14	0.001	0.003	0.723	0.016	59.755	TRUE	2.31E-14
PEF	RET	cg02780029	rs72779313	G	A	0.857	0.082	0.018	2.35E-25	-0.002	0.009	0.808	0.028	108.206	TRUE	9.53E-25
PEF	RET	cg02780029	rs72781210	G	C	0.931	0.069	0.028	8.95E-42	0.000	0.007	0.987	0.047	183.262	TRUE	1.13E-40
PEF	RET	cg02780029	rs72783250	A	G	-0.356	0.039	0.099	4.83E-20	-0.004	0.004	0.361	0.022	84.001	TRUE	2.52E-19
PEF	RET	cg02780029	rs74326894	G	C	0.783	0.099	0.015	2.33E-15	0.018	0.011	0.089	0.017	62.731	TRUE	1.58E-14
PEF	RET	cg02780029	rs75202291	G	C	0.756	0.071	0.027	2.87E-26	0.005	0.008	0.498	0.029	112.373	TRUE	2.00E-25
PEF	RET	cg02780029	rs805524	C	T	0.448	0.029	0.192	3.12E-52	0.004	0.003	0.251	0.059	231.162	TRUE	7.07E-50
PEF	RET	cg05652102	rs11238505	T	C	-0.151	0.026	0.273	6.25E-09	0.004	0.003	0.173	0.009	33.737	TRUE	1.82E-08
PEF	RET	cg05652102	rs1864406	T	A	-0.518	0.026	0.267	9.75E-90	-0.004	0.003	0.195	0.098	403.238	TRUE	1.26E-84
PEF	RET	cg05652102	rs188900238	A	G	-0.386	0.063	0.036	9.39E-10	-0.012	0.006	0.064	0.010	37.428	TRUE	4.03E-09
PEF	RET	cg05652102	rs3004214	C	T	0.185	0.028	0.214	6.20E-11	0.007	0.003	0.029	0.011	42.733	TRUE	3.69E-10
PEF	RET	cg05652102	rs3123729	T	C	-0.247	0.032	0.150	1.78E-14	-0.003	0.004	0.433	0.016	58.729	TRUE	5.38E-14
PEF	RET	cg05652102	rs75294120	T	C	-0.313	0.050	0.052	5.00E-10	-0.005	0.005	0.401	0.010	38.656	TRUE	1.16E-09
PEF	RET	cg05652102	rs947696	T	G	-0.180	0.028	0.223	2.42E-10	-0.002	0.003	0.486	0.011	40.075	TRUE	5.21E-10
PEF	RET	cg06559368	rs1111873	A	G	0.259	0.029	0.199	1.20E-18	0.004	0.003	0.253	0.021	77.655	TRUE	6.84E-18
PEF	RET	cg06559368	rs113146990	A	C	0.484	0.067	0.033	4.17E-13	0.013	0.008	0.091	0.014	52.533	TRUE	2.26E-12
PEF	RET	cg06559368	rs1833	A	C	0.315	0.041	0.086	1.05E-14	-0.008	0.004	0.062	0.016	59.772	TRUE	7.49E-14
PEF	RET	cg06559368	rs187664317	A	G	0.505	0.084	0.021	1.63E-09	0.015	0.009	0.093	0.010	36.347	TRUE	6.13E-09
PEF	RET	cg06559368	rs1915140	T	C	0.142	0.025	0.366	6.60E-09	0.006	0.003	0.031	0.009	33.631	TRUE	3.14E-08
PEF	RET	cg06559368	rs2435337	G	C	0.280	0.030	0.186	2.01E-20	0.006	0.003	0.088	0.023	85.732	TRUE	2.24E-19
PEF	RET	cg06559368	rs2505999	T	C	-0.642	0.022	0.399	2.05E-180	-0.005	0.003	0.072	0.181	819.884	TRUE	1.57E-164
PEF	RET	cg06559368	rs3026748	G	C	-0.364	0.053	0.053	4.81E-12	0.012	0.006	0.036	0.013	47.738	TRUE	3.09E-11
PEF	RET	cg06559368	rs3026762	T	G	-0.396	0.047	0.070	2.04E-17	-0.001	0.005	0.904	0.019	72.070	TRUE	4.33E-17
PEF	RET	cg06559368	rs4379783	C	A	-0.215	0.025	0.296	2.47E-17	-0.004	0.003	0.173	0.019	71.692	TRUE	1.53E-16
PEF	RET	cg06559368	rs72781212	T	C	-0.374	0.051	0.052	2.95E-13	-0.002	0.006	0.665	0.014	53.211	TRUE	6.35E-13
PEF	RET	cg06559368	rs72785248	C	A	-0.208	0.038	0.106	2.88E-08	0.000	0.004	0.944	0.008	30.769	TRUE	3.77E-08
PEF	RET	cg06559368	rs72787892	T	A	-0.255	0.044	0.080	5.77E-09	-0.002	0.005	0.636	0.009	33.894	TRUE	9.93E-09

PEF	RET	cg06559368	rs787796	C	T	0.284	0.033	0.149	9.01E-18	0.006	0.004	0.105	0.020	73.678	TRUE	7.36E-17
PEF	RET	cg06559368	rs7908559	T	C	-0.131	0.023	0.484	2.27E-08	-0.001	0.003	0.578	0.008	31.228	TRUE	3.97E-08
PEF	RET	cg06632098	rs10793446	C	T	0.152	0.026	0.289	6.48E-09	0.004	0.003	0.120	0.009	33.666	TRUE	2.10E-08
PEF	RET	cg06632098	rs10899795	A	C	-0.188	0.029	0.210	5.32E-11	0.001	0.003	0.701	0.011	43.031	TRUE	9.70E-11
PEF	RET	cg06632098	rs10900290	T	C	0.433	0.030	0.181	1.29E-47	0.002	0.003	0.474	0.054	210.014	TRUE	8.15E-46
PEF	RET	cg06632098	rs12355318	G	A	-0.238	0.043	0.082	4.24E-08	-0.001	0.005	0.817	0.008	30.019	TRUE	6.05E-08
PEF	RET	cg06632098	rs12357104	T	C	0.838	0.094	0.016	3.21E-19	0.018	0.010	0.076	0.021	80.263	TRUE	3.44E-18
PEF	RET	cg06632098	rs142369611	A	G	0.694	0.083	0.020	5.62E-17	0.003	0.010	0.788	0.019	70.069	TRUE	1.32E-16
PEF	RET	cg06632098	rs142760028	A	C	0.698	0.107	0.013	6.47E-11	0.010	0.012	0.386	0.011	42.648	TRUE	1.63E-10
PEF	RET	cg06632098	rs2075911	A	G	-0.351	0.031	0.176	2.40E-30	-0.003	0.003	0.365	0.034	130.993	TRUE	3.14E-29
PEF	RET	cg06632098	rs2435368	A	T	0.752	0.079	0.020	1.53E-21	0.019	0.009	0.038	0.024	90.822	TRUE	2.78E-20
PEF	RET	cg06632098	rs2488278	C	T	0.263	0.024	0.376	1.30E-27	0.001	0.003	0.801	0.031	118.509	TRUE	6.45E-27
PEF	RET	cg06632098	rs2505891	G	A	-0.158	0.025	0.352	1.32E-10	-0.001	0.003	0.693	0.011	41.253	TRUE	2.39E-10
PEF	RET	cg06632098	rs2506100	T	G	0.486	0.070	0.030	3.13E-12	0.001	0.008	0.908	0.013	48.578	TRUE	5.00E-12
PEF	RET	cg06632098	rs2742249	T	C	-0.308	0.024	0.392	3.60E-38	-0.001	0.003	0.821	0.043	166.764	TRUE	4.29E-37
PEF	RET	cg06632098	rs2744069	C	T	-0.171	0.024	0.496	5.93E-13	-0.002	0.003	0.504	0.014	51.843	TRUE	1.50E-12
PEF	RET	cg06632098	rs2999224	C	A	0.250	0.031	0.188	5.45E-16	0.004	0.003	0.219	0.017	65.593	TRUE	2.72E-15
PEF	RET	cg06632098	rs3097563	G	T	-0.260	0.032	0.155	2.05E-16	-0.002	0.003	0.474	0.018	67.518	TRUE	6.76E-16
PEF	WWOX	cg16747717	rs4888775	G	A	-0.131	0.023	0.392	2.33E-08	-0.006	0.003	0.022	0.008	31.179	TRUE	1.08E-07
PEF	WWOX	cg16747717	rs78481124	T	C	-0.936	0.130	0.010	6.49E-13	-0.003	0.012	0.783	0.014	51.664	TRUE	1.22E-12
PEF	WWOX	cg26691179	rs55663738	T	C	-0.193	0.035	0.132	3.81E-08	-0.011	0.004	0.004	0.008	30.226	TRUE	2.47E-07
PEF	WWOX	cg26691179	rs77451018	C	T	0.183	0.032	0.166	6.90E-09	-0.011	0.003	0.002	0.009	33.544	TRUE	5.52E-08
PEF	WWOX	cg26691179	rs9319519	A	G	-0.224	0.024	0.400	6.07E-21	-0.003	0.003	0.234	0.023	88.100	TRUE	4.49E-20
PEF	WWOX	cg27002639	rs78668939	T	C	-0.608	0.097	0.012	2.95E-10	-0.005	0.011	0.624	0.011	39.686	TRUE	5.52E-10
PEF	WWOX	cg27109907	rs7205541	A	G	0.184	0.024	0.401	1.32E-14	-0.001	0.003	0.823	0.016	59.311	TRUE	2.63E-14
PEF	XBP1	cg00651286	rs117830237	A	G	0.311	0.056	0.047	2.73E-08	0.000	0.006	0.986	0.008	30.874	TRUE	3.45E-08
PEF	XBP1	cg00651286	rs12170705	T	C	-0.179	0.023	0.462	1.44E-14	0.003	0.003	0.263	0.016	59.144	TRUE	5.77E-14
PEF	XBP1	cg00651286	rs135641	T	A	0.785	0.070	0.026	3.74E-29	-0.013	0.008	0.076	0.033	125.541	TRUE	1.19E-27
PEF	XBP1	cg00651286	rs138398054	G	C	0.659	0.096	0.017	5.93E-12	0.007	0.010	0.528	0.013	47.326	TRUE	1.36E-11
PEF	XBP1	cg00651286	rs41382448	C	G	0.566	0.058	0.044	8.70E-23	-0.006	0.006	0.293	0.025	96.498	TRUE	6.60E-22
PEF	XBP1	cg00651286	rs561396424	T	C	0.231	0.026	0.276	1.35E-18	0.051	0.037	0.165	0.021	77.423	TRUE	9.75E-18
PEF	XBP1	cg00651286	rs6005752	G	C	0.175	0.025	0.312	3.88E-12	0.001	0.003	0.702	0.013	48.160	TRUE	7.44E-12
PEF	XBP1	cg00651286	rs74720230	C	A	0.513	0.060	0.045	7.02E-18	0.000	0.006	0.950	0.020	74.171	TRUE	1.46E-17
PEF	XBP1	cg00651286	rs80338436	A	G	1.413	0.049	0.055	1.24E-181	-0.016	0.006	0.004	0.182	825.481	TRUE	3.02E-164
PEF	XBP1	cg11188618	rs73399615	A	G	0.393	0.052	0.055	4.74E-14	-0.016	0.006	0.004	0.015	56.804	TRUE	6.92E-13
PEF	XBP1	cg18940763	rs2881496	C	G	-0.420	0.036	0.126	7.09E-32	-0.007	0.004	0.066	0.036	137.981	TRUE	3.37E-30
PEF	XBP1	cg18940763	rs79624583	T	C	-0.381	0.068	0.029	1.89E-08	-0.010	0.007	0.165	0.008	31.591	TRUE	5.31E-08
PEF	YAP1	cg05260877	rs1426398	T	C	0.141	0.023	0.450	1.56E-09	-0.008	0.003	9.14E-04	0.010	36.436	TRUE	1.63E-08
PEF	YAP1	cg05260877	rs7934774	A	G	-0.163	0.024	0.495	5.13E-12	0.000	0.003	0.884	0.013	47.610	TRUE	8.41E-12
PEF	YAP1	cg20782778	rs11224859	C	T	0.144	0.026	0.261	4.74E-08	-0.002	0.003	0.464	0.008	29.803	TRUE	9.04E-08
PEF	YAP1	cg20782778	rs11225132	G	A	0.512	0.022	0.457	1.29E-114	-0.009	0.003	6.16E-04	0.123	517.491	TRUE	4.52E-105
PEF	YAP1	cg20782778	rs11225138	C	G	0.309	0.044	0.080	2.05E-12	0.011	0.005	0.021	0.013	49.407	TRUE	1.61E-11

PEF	YAP1	cg20782778	rs11225148	G	A	0.405	0.057	0.043	1.77E-12	-0.016	0.006	0.006	0.013	49.693	TRUE	1.89E-11
PEF	YAP1	cg20782778	rs112481395	A	G	0.266	0.048	0.064	4.11E-08	-0.001	0.005	0.874	0.008	30.081	TRUE	5.61E-08
PEF	YAP1	cg20782778	rs11604260	A	G	-0.342	0.059	0.037	6.08E-09	0.008	0.006	0.218	0.009	33.791	TRUE	1.65E-08
PEF	YAP1	cg20782778	rs2219168	G	C	0.156	0.025	0.316	7.33E-10	0.001	0.003	0.829	0.010	37.911	TRUE	1.13E-09
PEF	YAP1	cg20782778	rs3740931	G	A	0.164	0.023	0.484	2.72E-12	-0.005	0.003	0.056	0.013	48.857	TRUE	1.60E-11
PEF	YAP1	cg20782778	rs61915443	T	C	-0.161	0.025	0.321	5.16E-11	0.006	0.003	0.024	0.012	43.091	TRUE	3.31E-10
PEF	ZBTB22	cg06477487	rs469064	A	C	-0.129	0.023	0.498	2.01E-08	0.009	0.003	6.43E-04	0.008	31.465	TRUE	1.82E-07
PEF	ZBTB22	cg08255964	rs3106194	A	G	-0.203	0.026	0.310	2.04E-15	0.008	0.003	0.004	0.017	62.997	TRUE	3.43E-14
PEF	ZBTB22	cg10585379	rs3130256	A	G	-0.170	0.025	0.350	9.20E-12	0.010	0.003	3.40E-04	0.012	46.466	TRUE	1.52E-10
PEF	ZBTB22	cg26919618	rs3106194	A	G	-0.173	0.028	0.310	3.98E-10	0.008	0.003	0.004	0.010	39.100	TRUE	3.27E-09
PEF	ZC3HC1	cg05055930	rs113556837	C	T	-0.440	0.045	0.071	3.67E-22	-0.006	0.005	0.254	0.025	93.653	TRUE	2.89E-21
PEF	ZC3HC1	cg05055930	rs117492117	A	G	-0.355	0.062	0.041	1.35E-08	-0.004	0.007	0.523	0.009	32.238	TRUE	2.49E-08
PEF	ZC3HC1	cg05055930	rs117769781	T	C	-0.525	0.092	0.013	1.13E-08	-0.003	0.010	0.774	0.009	32.579	TRUE	1.71E-08
PEF	ZC3HC1	cg05055930	rs13222487	T	C	-0.570	0.024	0.336	4.88E-128	-0.009	0.003	0.001	0.135	579.160	TRUE	2.78E-117
PEF	ZC3HC1	cg05055930	rs2291457	G	C	-0.143	0.025	0.295	2.06E-08	-0.004	0.003	0.141	0.008	31.423	TRUE	6.08E-08
PEF	ZC3HC1	cg05055930	rs2402983	G	A	-0.170	0.024	0.385	1.71E-12	-0.005	0.003	0.056	0.013	49.764	TRUE	1.03E-11
PEF	ZC3HC1	cg05055930	rs4731661	G	C	-0.219	0.029	0.196	4.88E-14	0.001	0.003	0.651	0.015	56.749	TRUE	1.10E-13
PEF	ZC3HC1	cg05055930	rs6956444	G	A	0.307	0.052	0.055	4.57E-09	0.002	0.005	0.716	0.009	34.345	TRUE	7.41E-09
PEF	ZC3HC1	cg05055930	rs73144794	T	C	0.233	0.028	0.244	3.35E-17	0.003	0.003	0.357	0.019	71.088	TRUE	1.42E-16
PEF	ZC3HC1	cg05055930	rs77153860	C	A	-0.337	0.059	0.036	1.06E-08	-0.011	0.006	0.079	0.009	32.711	TRUE	3.81E-08
PEF	ZC3HC1	cg05055930	rs7803250	A	G	-0.387	0.064	0.031	1.32E-09	-0.007	0.007	0.339	0.010	36.770	TRUE	3.18E-09

PCD, programmed cell death; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; SNP, single nucleotide polymorphsim

Table S33. SMR analysis of associations between PCD-related gene expressions and lung function parameters*

Outcome	Gene	topSNP	Beta	SE	Beta (95%CI)	P	FDR	P_HEIDI	nSNP_HEIDI
FVC	ATP13A2	rs4920605	0.136	0.016	0.136 (0.105, 0.166)	3.39E-18	1.05E-15	0.053	20
FVC	STX4	rs58726213	-0.050	0.007	-0.050 (-0.064, -0.037)	5.37E-14	1.00E-11	0.184	20
FVC	SREBF1	rs9891957	0.039	0.007	0.039 (0.025, 0.053)	3.07E-08	2.85E-06	0.186	20
FVC	UNC5B	rs1124397	-0.031	0.006	-0.031 (-0.043, -0.020)	1.91E-07	1.27E-05	0.243	20
FVC	JMY	rs2131977	0.036	0.007	0.036 (0.022, 0.049)	2.41E-07	1.49E-05	0.431	20
FVC	PARK7	rs35675666	-0.039	0.008	-0.039 (-0.054, -0.024)	3.14E-07	1.72E-05	0.277	20
FVC	GPX1	rs11130203	-0.115	0.024	-0.115 (-0.163, -0.067)	2.25E-06	1.04E-04	0.026	20
FVC	FAIM	rs1672928	0.050	0.011	0.050 (0.029, 0.072)	2.88E-06	1.16E-04	0.035	20
FVC	GM2A	rs72794132	-0.013	0.003	-0.013 (-0.019, -0.007)	7.46E-06	2.67E-04	0.075	20
FVC	AP1G1	rs34731378	0.127	0.029	0.127 (0.071, 0.184)	9.01E-06	3.05E-04	0.010	20
FVC	HSP90AA1	rs2403017	-0.052	0.012	-0.052 (-0.076, -0.029)	1.50E-05	4.36E-04	0.251	20
FVC	RPS6KB1	rs1292060	-0.114	0.027	-0.114 (-0.168, -0.060)	3.43E-05	9.09E-04	0.534	20
FVC	MSH6	rs111861797	-0.024	0.006	-0.024 (-0.036, -0.012)	5.41E-05	0.001	0.060	20
FVC	WDR81	rs6502953	0.028	0.007	0.028 (0.014, 0.041)	5.72E-05	0.001	0.832	20
FVC	TP53	rs35850753	-0.144	0.037	-0.144 (-0.217, -0.071)	1.04E-04	0.002	0.060	20
FVC	LRPPRC	rs11900511	0.028	0.008	0.028 (0.013, 0.043)	2.61E-04	0.005	0.254	20
FVC	SENP1	rs12311774	0.069	0.019	0.069 (0.032, 0.107)	3.00E-04	0.006	0.050	20
FVC	GSK3B	rs6765483	0.032	0.009	0.032 (0.015, 0.050)	3.07E-04	0.006	0.662	20
FVC	FGFR1	rs10958704	-0.031	0.009	-0.031 (-0.049, -0.014)	3.65E-04	0.007	0.119	20
FVC	BCL2L1	rs6088962	0.153	0.043	0.153 (0.068, 0.238)	4.20E-04	0.007	0.033	20
FVC	GALC	rs28533072	0.027	0.008	0.027 (0.012, 0.042)	5.26E-04	0.009	0.048	20
FVC	CAPN1	rs12800339	-0.020	0.006	-0.020 (-0.032, -0.009)	6.35E-04	0.011	0.051	20
FVC	ABCB9	rs11608811	-0.031	0.009	-0.031 (-0.048, -0.013)	6.60E-04	0.011	0.055	20
FVC	USP36	rs8072569	0.013	0.004	0.013 (0.006, 0.021)	8.67E-04	0.013	0.068	20
FVC	SLC39A4	rs117328198	0.037	0.011	0.037 (0.015, 0.058)	8.53E-04	0.013	0.561	20
FVC	ATP6V1C2	rs1734443	0.099	0.030	0.099 (0.041, 0.157)	8.53E-04	0.013	0.538	20
FVC	DIABLO	rs12870	0.057	0.017	0.057 (0.023, 0.091)	9.49E-04	0.014	0.416	20
FVC	LGALS9	rs3751092	0.012	0.004	0.012 (0.005, 0.019)	9.89E-04	0.014	0.022	20
FVC	CHMP4B	rs2626562	0.021	0.006	0.021 (0.008, 0.033)	0.001	0.016	0.022	20
FVC	CDIP1	rs1477123	0.134	0.041	0.134 (0.053, 0.215)	0.001	0.016	0.677	20
FVC	TMBIM1	rs7559416	0.038	0.012	0.038 (0.015, 0.062)	0.001	0.020	0.043	20
FVC	DEPDC5	rs5749334	-0.052	0.016	-0.052 (-0.084, -0.020)	0.002	0.021	0.023	20
FVC	ZEB1	rs9417869	0.131	0.042	0.131 (0.049, 0.213)	0.002	0.023	0.611	20
FVC	GLS	rs7562400	-0.033	0.011	-0.033 (-0.054, -0.012)	0.002	0.025	0.202	20
FVC	HIF1A	rs111522409	-0.062	0.020	-0.062 (-0.101, -0.023)	0.002	0.026	0.025	20
FVC	DEDD2	rs8108096	-0.147	0.048	-0.147 (-0.241, -0.054)	0.002	0.026	0.067	20
FVC	BMP4	rs2855530	0.089	0.029	0.089 (0.032, 0.146)	0.002	0.027	0.030	20
FVC	AP4E1	rs6493470	0.021	0.007	0.021 (0.007, 0.034)	0.002	0.030	0.079	20
FVC	HTT	rs73191188	0.105	0.035	0.105 (0.036, 0.174)	0.003	0.033	0.139	20
FVC	ERBB3	rs11171739	0.042	0.014	0.042 (0.014, 0.071)	0.003	0.038	0.411	20

FVC	GAPDH	rs9634157	-0.021	0.007	-0.021 (-0.035, -0.007)	0.004	0.038	0.276	20
FVC	STAT2	rs150955176	-0.035	0.012	-0.035 (-0.059, -0.011)	0.004	0.041	0.548	20
FVC	OPA1	rs10419	0.033	0.011	0.033 (0.011, 0.055)	0.004	0.042	0.851	20
FVC	LGALS12	rs1404504	-0.023	0.008	-0.023 (-0.039, -0.007)	0.004	0.043	0.848	20
FVC	GNAI3	rs3525	0.014	0.005	0.014 (0.004, 0.023)	0.005	0.045	0.849	20
FVC	IL10	rs1518111	0.042	0.015	0.042 (0.013, 0.071)	0.005	0.045	0.154	20
FVC	AP3B2	rs4627310	0.019	0.007	0.019 (0.006, 0.033)	0.005	0.046	0.014	20
FVC	GNAI2	rs2097247	0.105	0.037	0.105 (0.032, 0.179)	0.005	0.046	0.017	20
FVC	VDAC2	rs11543	-0.070	0.025	-0.070 (-0.120, -0.021)	0.005	0.049	0.051	20
FVC	MAP3K7	rs17747150	-0.043	0.016	-0.043 (-0.073, -0.012)	0.006	0.056	0.656	20
FVC	AP4S1	rs7149411	0.078	0.029	0.078 (0.022, 0.135)	0.006	0.058	0.028	20
FVC	STAT6	rs4559	0.013	0.005	0.013 (0.004, 0.023)	0.007	0.059	0.094	20
FVC	PLA2G15	rs7672	0.082	0.030	0.082 (0.023, 0.142)	0.007	0.061	0.472	20
FVC	EMC2	rs957716	-0.045	0.017	-0.045 (-0.079, -0.012)	0.008	0.065	0.011	20
FVC	RHEB	rs2284264	0.062	0.024	0.062 (0.016, 0.109)	0.009	0.072	0.048	20
FVC	ARRB2	rs55682338	0.015	0.006	0.015 (0.004, 0.026)	0.009	0.072	0.575	20
FVC	ZBP1	rs6025673	-0.038	0.014	-0.038 (-0.066, -0.010)	0.009	0.072	0.356	20
FVC	MYH10	rs34363598	0.076	0.029	0.076 (0.019, 0.133)	0.009	0.075	0.425	11
FVC	NCK2	rs6726571	0.040	0.015	0.040 (0.010, 0.070)	0.009	0.075	0.541	20
FVC	GCC2	rs2139809	-0.008	0.003	-0.008 (-0.015, -0.002)	0.010	0.078	0.124	20
FVC	DIDO1	rs13040088	-0.027	0.011	-0.027 (-0.048, -0.006)	0.010	0.079	0.020	20
FVC	CISD2	rs223334	-0.035	0.014	-0.035 (-0.062, -0.008)	0.010	0.080	0.307	20
FVC	HPS6	rs61874100	-0.023	0.009	-0.023 (-0.040, -0.005)	0.011	0.083	0.195	20
FVC	IL18	rs11606049	0.022	0.009	0.022 (0.005, 0.039)	0.011	0.084	0.707	20
FVC	ARF1	rs964941	-0.110	0.044	-0.110 (-0.196, -0.024)	0.012	0.091	0.148	20
FVC	BCL2L14	rs2287154	0.029	0.012	0.029 (0.006, 0.051)	0.013	0.092	0.530	20
FVC	HRAS	rs1870726	0.022	0.009	0.022 (0.005, 0.040)	0.013	0.092	0.072	20
FVC	STAT5B	rs185478092	0.071	0.029	0.071 (0.015, 0.127)	0.013	0.092	0.194	20
FVC	PRELID1	rs7707346	-0.009	0.004	-0.009 (-0.016, -0.002)	0.014	0.095	0.039	20
FVC	RRAGD	rs9451216	-0.012	0.005	-0.012 (-0.023, -0.002)	0.017	0.111	0.822	20
FVC	ACP2	rs4752973	-0.012	0.005	-0.012 (-0.022, -0.002)	0.018	0.117	0.036	20
FVC	PTEN	rs2785080	0.059	0.025	0.059 (0.010, 0.109)	0.019	0.120	0.015	20
FVC	ALOX15	rs72835630	-0.014	0.006	-0.014 (-0.025, -0.002)	0.020	0.122	0.540	20
FVC	CDH1	rs11642362	0.024	0.010	0.024 (0.004, 0.045)	0.020	0.122	0.234	20
FVC	PDHB	rs6787467	-0.020	0.009	-0.020 (-0.037, -0.003)	0.021	0.125	0.189	20
FVC	GHITM	rs77188443	-0.022	0.010	-0.022 (-0.041, -0.003)	0.022	0.132	0.444	20
FVC	PGD	rs1536262	0.059	0.026	0.059 (0.008, 0.110)	0.022	0.132	0.026	20
FVC	ATG5	rs74525730	0.118	0.053	0.118 (0.015, 0.221)	0.025	0.144	0.457	12
FVC	ERCC4	rs3136038	-0.117	0.053	-0.117 (-0.221, -0.014)	0.026	0.148	0.865	18
FVC	LAMTOR2	rs501791	0.088	0.039	0.088 (0.011, 0.165)	0.026	0.148	0.069	10
FVC	AIM2	rs76576833	0.030	0.014	0.030 (0.003, 0.057)	0.028	0.156	0.302	20
FVC	RASIP1	rs1231281	0.063	0.029	0.063 (0.006, 0.119)	0.030	0.167	0.863	20

FVC	EP300	rs13058113	-0.023	0.011	-0.023 (-0.044, -0.002)	0.032	0.168	0.018	20
FVC	ERN1	rs16947438	0.017	0.008	0.017 (0.001, 0.032)	0.031	0.168	0.350	20
FVC	SLC39A1	rs6724	-0.022	0.010	-0.022 (-0.042, -0.002)	0.032	0.168	0.013	20
FVC	SLC39A14	rs4872485	-0.072	0.034	-0.072 (-0.138, -0.006)	0.032	0.168	0.030	20
FVC	HIP1	rs1186222	-0.006	0.003	-0.006 (-0.011, -0.000)	0.034	0.172	0.191	20
FVC	IFI27L1	rs941479	-0.013	0.006	-0.013 (-0.025, -0.001)	0.034	0.172	0.055	20
FVC	RPS27L	rs12899931	-0.055	0.026	-0.055 (-0.107, -0.003)	0.037	0.181	0.571	20
FVC	ACSL5	rs10885342	-0.009	0.004	-0.009 (-0.017, -0.001)	0.037	0.183	0.874	20
FVC	SCFD1	rs7144204	-0.016	0.008	-0.016 (-0.031, -0.001)	0.042	0.198	0.895	20
FVC	GNPTG	rs4984820	-0.024	0.012	-0.024 (-0.048, -0.001)	0.044	0.205	0.180	20
FVC	FYCO1	rs2276856	0.038	0.019	0.038 (0.001, 0.075)	0.046	0.210	0.589	18
FVC	CASP8AP2	rs72919981	0.059	0.030	0.059 (0.001, 0.117)	0.046	0.210	0.533	20
FVC	POLDIP2	rs3093704	0.025	0.013	0.025 (0.000, 0.050)	0.046	0.210	0.354	20
FVC	ACER2	rs56380353	-0.109	0.055	-0.109 (-0.216, -0.002)	0.046	0.210	0.578	10
FEV1	STX4	rs58726213	-0.057	0.007	-0.057 (-0.070, -0.044)	3.23E-17	1.50E-14	0.060	20
FEV1	NPC2	rs12586772	-0.046	0.009	-0.046 (-0.063, -0.029)	8.51E-08	6.08E-06	0.563	20
FEV1	ERBB3	rs11171739	0.071	0.015	0.071 (0.043, 0.100)	1.18E-06	5.48E-05	0.112	20
FEV1	JMY	rs2131977	0.033	0.007	0.033 (0.020, 0.047)	1.30E-06	5.77E-05	0.162	20
FEV1	ATP2A1	rs4788101	-0.143	0.030	-0.143 (-0.202, -0.085)	1.37E-06	5.78E-05	0.329	20
FEV1	HSP90AA1	rs2403017	-0.057	0.012	-0.057 (-0.080, -0.033)	2.95E-06	1.10E-04	0.210	20
FEV1	ORMDL3	rs12936231	-0.014	0.003	-0.014 (-0.021, -0.008)	4.14E-06	1.32E-04	0.367	20
FEV1	GSDMB	rs12936231	-0.013	0.003	-0.013 (-0.018, -0.007)	4.11E-06	1.32E-04	0.446	20
FEV1	SENP1	rs12311774	0.089	0.020	0.089 (0.051, 0.128)	5.49E-06	1.70E-04	0.152	20
FEV1	ABCB9	rs11608811	-0.040	0.009	-0.040 (-0.058, -0.023)	8.17E-06	2.37E-04	0.107	20
FEV1	FAIM	rs1672928	0.047	0.011	0.047 (0.026, 0.068)	1.08E-05	3.05E-04	0.197	20
FEV1	GLB1	rs11717007	0.061	0.014	0.061 (0.033, 0.088)	1.16E-05	3.18E-04	0.036	20
FEV1	GLS	rs7562400	-0.043	0.011	-0.043 (-0.064, -0.022)	6.34E-05	0.002	0.239	20
FEV1	WDR81	rs6502953	0.026	0.007	0.026 (0.013, 0.039)	9.54E-05	0.002	0.968	20
FEV1	AP1G1	rs34731378	0.103	0.028	0.103 (0.048, 0.158)	2.17E-04	0.004	0.159	20
FEV1	RPS6KB1	rs1292060	-0.097	0.026	-0.097 (-0.148, -0.046)	1.98E-04	0.004	0.753	20
FEV1	IL10	rs1518111	0.055	0.015	0.055 (0.026, 0.084)	2.16E-04	0.004	0.128	20
FEV1	GSK3B	rs6765483	0.033	0.009	0.033 (0.016, 0.051)	2.01E-04	0.004	0.812	20
FEV1	TGFB2	rs12034138	0.193	0.052	0.193 (0.091, 0.295)	2.13E-04	0.004	0.114	18
FEV1	TP53	rs35850753	-0.132	0.036	-0.132 (-0.203, -0.060)	2.87E-04	0.005	0.030	20
FEV1	SLC39A4	rs117328198	0.039	0.011	0.039 (0.018, 0.060)	3.12E-04	0.006	0.540	20
FEV1	ICAM1	rs281437	0.050	0.014	0.050 (0.023, 0.078)	3.58E-04	0.006	0.700	20
FEV1	AP4E1	rs6493470	0.024	0.007	0.024 (0.010, 0.037)	4.54E-04	0.007	0.427	20
FEV1	RPS27L	rs12899931	-0.095	0.027	-0.095 (-0.148, -0.042)	4.54E-04	0.007	0.196	20
FEV1	SFRP2	rs7653960	-0.056	0.016	-0.056 (-0.087, -0.024)	5.04E-04	0.008	0.077	20
FEV1	UNC5B	rs1124397	-0.021	0.006	-0.021 (-0.033, -0.009)	5.20E-04	0.008	0.331	20
FEV1	FEZ2	rs10180760	0.013	0.004	0.013 (0.006, 0.020)	5.49E-04	0.008	0.011	20
FEV1	BCL2L1	rs6088962	0.146	0.043	0.146 (0.062, 0.230)	6.60E-04	0.009	0.069	20

FEV1	PLAGL2	rs1205843	0.082	0.024	0.082 (0.035, 0.129)	6.86E-04	0.010	0.151	20
FEV1	GBA	rs11264345	-0.034	0.010	-0.034 (-0.053, -0.014)	9.62E-04	0.013	0.263	20
FEV1	ATP6V1C2	rs1734443	0.098	0.030	0.098 (0.040, 0.156)	9.69E-04	0.013	0.427	20
FEV1	PARK7	rs35675666	-0.025	0.008	-0.025 (-0.040, -0.010)	0.001	0.013	0.809	20
FEV1	CARS	rs428726	-0.038	0.012	-0.038 (-0.061, -0.015)	0.001	0.014	0.015	20
FEV1	ARF1	rs964941	-0.144	0.044	-0.144 (-0.231, -0.058)	0.001	0.014	0.318	20
FEV1	STAT2	rs150955176	-0.040	0.012	-0.040 (-0.064, -0.016)	0.001	0.014	0.270	20
FEV1	CTTN	rs4570606	-0.092	0.028	-0.092 (-0.148, -0.036)	0.001	0.014	0.459	20
FEV1	RHEB	rs2284264	0.075	0.023	0.075 (0.030, 0.121)	0.001	0.014	0.046	20
FEV1	DEDD2	rs8108096	-0.151	0.048	-0.151 (-0.244, -0.057)	0.002	0.019	0.031	20
FEV1	SREBF1	rs9891957	0.022	0.007	0.022 (0.008, 0.035)	0.002	0.024	0.080	20
FEV1	SFRP1	rs13268057	-0.117	0.039	-0.117 (-0.194, -0.041)	0.003	0.029	0.016	20
FEV1	DIABLO	rs12870	0.051	0.017	0.051 (0.018, 0.085)	0.003	0.030	0.622	20
FEV1	ASAH1	rs4921833	-0.013	0.004	-0.013 (-0.021, -0.004)	0.004	0.042	0.617	20
FEV1	TP53INP1	rs10956933	-0.026	0.009	-0.026 (-0.044, -0.008)	0.004	0.043	0.212	20
FEV1	MAP1LC3A	rs6059919	-0.015	0.005	-0.015 (-0.025, -0.004)	0.005	0.045	0.140	20
FEV1	CSNK2A2	rs2731750	-0.065	0.023	-0.065 (-0.111, -0.020)	0.005	0.050	0.559	20
FEV1	MUC1	rs141942982	0.043	0.016	0.043 (0.013, 0.074)	0.006	0.055	0.347	20
FEV1	MYH10	rs34363598	0.079	0.029	0.079 (0.023, 0.136)	0.006	0.057	0.337	11
FEV1	CHMP4B	rs2626562	0.017	0.006	0.017 (0.005, 0.030)	0.006	0.057	0.100	20
FEV1	IL18	rs11606049	0.024	0.009	0.024 (0.007, 0.041)	0.007	0.059	0.881	20
FEV1	TNFRSF10A	rs73224403	-0.025	0.009	-0.025 (-0.044, -0.007)	0.007	0.061	0.999	20
FEV1	TCF7L2	rs10885396	-0.034	0.013	-0.034 (-0.058, -0.009)	0.007	0.063	0.022	20
FEV1	CX3CR1	rs7651994	-0.036	0.013	-0.036 (-0.062, -0.009)	0.008	0.064	0.077	20
FEV1	FNIP2	rs35747642	0.026	0.010	0.026 (0.007, 0.046)	0.008	0.066	0.087	20
FEV1	ATP6V0D1	rs3893749	-0.014	0.005	-0.014 (-0.024, -0.004)	0.008	0.066	0.054	20
FEV1	RRAGD	rs9451216	-0.014	0.005	-0.014 (-0.024, -0.004)	0.008	0.067	0.521	20
FEV1	MLH1	rs1800734	-0.018	0.007	-0.018 (-0.031, -0.004)	0.009	0.074	0.015	20
FEV1	FOXK1	rs10262715	0.019	0.007	0.019 (0.005, 0.033)	0.010	0.078	0.808	20
FEV1	ERCC4	rs3136038	-0.139	0.054	-0.139 (-0.245, -0.033)	0.010	0.079	0.889	18
FEV1	PIP4K2C	rs7313599	-0.051	0.020	-0.051 (-0.090, -0.012)	0.011	0.083	0.559	20
FEV1	HIP1	rs1186222	-0.007	0.003	-0.007 (-0.013, -0.002)	0.011	0.083	0.346	20
FEV1	LRPPRC	rs11900511	0.020	0.008	0.020 (0.004, 0.035)	0.011	0.083	0.114	20
FEV1	STK25	rs886809	0.063	0.025	0.063 (0.014, 0.111)	0.012	0.086	0.078	20
FEV1	GHITM	rs77188443	-0.024	0.010	-0.024 (-0.043, -0.005)	0.012	0.088	0.958	20
FEV1	CAPN1	rs12800339	-0.015	0.006	-0.015 (-0.026, -0.003)	0.013	0.089	0.106	20
FEV1	HIF1A	rs111522409	-0.050	0.020	-0.050 (-0.089, -0.010)	0.013	0.090	0.017	20
FEV1	CD70	rs2029745	0.062	0.025	0.062 (0.013, 0.111)	0.013	0.090	0.793	20
FEV1	GALC	rs28533072	0.019	0.008	0.019 (0.004, 0.034)	0.013	0.091	0.060	20
FEV1	TMEM14A	rs2670123	-0.034	0.014	-0.034 (-0.061, -0.007)	0.014	0.098	0.105	20
FEV1	STAT1	rs6745710	0.094	0.039	0.094 (0.017, 0.172)	0.017	0.108	0.295	20
FEV1	ZDHHC3	rs4683019	-0.056	0.023	-0.056 (-0.102, -0.010)	0.017	0.109	0.405	20

FEV1	BAG3	rs196336	-0.036	0.015	-0.036 (-0.065, -0.006)	0.017	0.110	0.349	20
FEV1	PHLDA3	rs10920203	0.055	0.023	0.055 (0.009, 0.100)	0.018	0.112	0.403	16
FEV1	NFKB1	rs11097787	-0.031	0.013	-0.031 (-0.057, -0.005)	0.018	0.113	0.992	20
FEV1	PEBP1	rs795482	0.013	0.006	0.013 (0.002, 0.024)	0.019	0.118	0.066	20
FEV1	TRPM7	rs12903031	-0.066	0.028	-0.066 (-0.122, -0.011)	0.019	0.118	0.293	20
FEV1	PADI4	rs56265095	-0.014	0.006	-0.014 (-0.026, -0.002)	0.020	0.122	0.769	20
FEV1	ACP2	rs4752973	-0.011	0.005	-0.011 (-0.021, -0.002)	0.021	0.125	0.015	20
FEV1	IFI27	rs7141881	-0.024	0.011	-0.024 (-0.045, -0.003)	0.022	0.132	0.042	20
FEV1	MAPK7	rs7502682	-0.048	0.021	-0.048 (-0.089, -0.006)	0.024	0.137	0.939	20
FEV1	IFI27L1	rs941479	-0.013	0.006	-0.013 (-0.024, -0.002)	0.024	0.137	0.028	20
FEV1	PLA2G15	rs7672	0.068	0.030	0.068 (0.009, 0.127)	0.025	0.139	0.106	20
FEV1	TNFSF10	rs3181140	0.030	0.014	0.030 (0.004, 0.057)	0.026	0.145	0.156	20
FEV1	FYCO1	rs2276856	0.042	0.019	0.042 (0.005, 0.080)	0.027	0.147	0.717	18
FEV1	SQSTM1	rs3734007	0.023	0.011	0.023 (0.003, 0.044)	0.027	0.147	0.277	20
FEV1	IFNGR2	rs17879003	-0.011	0.005	-0.011 (-0.021, -0.001)	0.027	0.147	0.620	20
FEV1	SLC39A10	rs10208493	-0.014	0.006	-0.014 (-0.027, -0.002)	0.027	0.147	0.643	20
FEV1	AP4S1	rs7149411	0.062	0.028	0.062 (0.007, 0.118)	0.027	0.147	0.296	20
FEV1	CASP8AP2	rs72919981	0.065	0.030	0.065 (0.007, 0.124)	0.028	0.150	0.599	20
FEV1	ARRB2	rs55682338	0.012	0.006	0.012 (0.001, 0.023)	0.029	0.154	0.839	20
FEV1	PTEN	rs2785080	0.054	0.025	0.054 (0.005, 0.103)	0.030	0.159	0.757	20
FEV1	CISD2	rs223334	-0.028	0.013	-0.028 (-0.054, -0.003)	0.030	0.160	0.185	20
FEV1	BRSK2	rs11603658	-0.083	0.039	-0.083 (-0.159, -0.007)	0.032	0.167	0.020	20
FEV1	MSH6	rs111861797	-0.012	0.006	-0.012 (-0.023, -0.001)	0.033	0.169	0.458	20
FEV1	TRADD	rs8053912	-0.018	0.009	-0.018 (-0.035, -0.001)	0.033	0.169	0.117	20
FEV1	IFI16	rs1057027	-0.028	0.013	-0.028 (-0.053, -0.002)	0.034	0.170	0.291	20
FEV1	AP1S3	rs6436440	-0.027	0.013	-0.027 (-0.051, -0.002)	0.034	0.170	0.431	20
FEV1	GAB2	rs1318241	-0.037	0.018	-0.037 (-0.072, -0.003)	0.035	0.172	0.231	20
FEV1	CDC37	rs12978105	0.039	0.018	0.039 (0.003, 0.074)	0.036	0.174	0.038	20
FEV1	ZEB1	rs9417869	0.083	0.040	0.083 (0.006, 0.161)	0.036	0.174	0.664	20
FEV1	CLU	rs73231005	0.072	0.035	0.072 (0.004, 0.140)	0.037	0.179	0.023	20
FEV1	USP36	rs8072569	0.008	0.004	0.008 (0.000, 0.016)	0.037	0.179	0.324	20
FEV1	LGMN	rs2402189	-0.026	0.012	-0.026 (-0.050, -0.001)	0.038	0.182	0.215	20
FEV1	LAMTOR2	rs501791	0.080	0.038	0.080 (0.004, 0.155)	0.038	0.182	0.057	10
FEV1	ATG5	rs74525730	0.107	0.052	0.107 (0.005, 0.209)	0.039	0.184	0.162	12
FEV1	CHMP3	rs7596717	0.023	0.011	0.023 (0.001, 0.045)	0.042	0.192	0.121	20
FEV1	BCL2L11	rs113135335	-0.049	0.024	-0.049 (-0.096, -0.002)	0.043	0.193	0.179	20
FEV1	ERN1	rs16947438	0.016	0.008	0.016 (0.000, 0.031)	0.046	0.206	0.106	20
FEV1	MAP3K7	rs17747150	-0.031	0.015	-0.031 (-0.061, -0.000)	0.047	0.206	0.416	20
FEV1	UFL1	rs9386528	0.028	0.014	0.028 (0.000, 0.055)	0.047	0.206	0.059	20
FEV1/FVC	FGFR1	rs10958704	0.043	0.009	0.043 (0.026, 0.061)	1.13E-06	4.39E-05	0.048	20
FEV1/FVC	ATP6V0A2	rs11609591	0.111	0.024	0.111 (0.065, 0.157)	2.42E-06	8.99E-05	0.013	20
FEV1/FVC	ERBB3	rs11171739	0.068	0.015	0.068 (0.039, 0.097)	3.68E-06	1.31E-04	0.043	20

FEV1/FVC	CTTN	rs4570606	-0.128	0.031	-0.128 (-0.189, -0.068)	2.77E-05	7.79E-04	0.810	20
FEV1/FVC	GSDMB	rs12936231	-0.012	0.003	-0.012 (-0.018, -0.006)	3.12E-05	8.32E-04	0.152	20
FEV1/FVC	BAG5	rs2296482	-0.054	0.014	-0.054 (-0.082, -0.026)	1.34E-04	0.003	0.039	20
FEV1/FVC	DEPTOR	rs1467044	0.046	0.012	0.046 (0.022, 0.069)	1.55E-04	0.003	0.021	20
FEV1/FVC	GBA	rs11264345	-0.035	0.010	-0.035 (-0.055, -0.015)	6.45E-04	0.010	0.017	20
FEV1/FVC	CREB3	rs1570249	-0.117	0.035	-0.117 (-0.187, -0.048)	9.67E-04	0.013	0.205	20
FEV1/FVC	FOXK2	rs3829566	0.125	0.039	0.125 (0.048, 0.201)	0.001	0.018	0.019	20
FEV1/FVC	BNIP3	rs7077135	-0.074	0.024	-0.074 (-0.121, -0.028)	0.002	0.020	0.396	11
FEV1/FVC	FASTK	rs34308016	0.095	0.030	0.095 (0.035, 0.154)	0.002	0.021	0.054	20
FEV1/FVC	AP1S1	rs2239538	0.041	0.014	0.041 (0.013, 0.068)	0.004	0.038	0.038	20
FEV1/FVC	BRSK2	rs11603658	-0.123	0.042	-0.123 (-0.206, -0.040)	0.004	0.039	0.344	20
FEV1/FVC	CD70	rs2029745	0.073	0.026	0.073 (0.022, 0.125)	0.005	0.049	0.592	20
FEV1/FVC	GNPTAB	rs4764820	0.042	0.015	0.042 (0.012, 0.072)	0.006	0.055	0.047	20
FEV1/FVC	ATP6V1E2	rs62134736	0.012	0.004	0.012 (0.003, 0.021)	0.006	0.055	0.040	20
FEV1/FVC	CISD1	rs1339586	-0.009	0.003	-0.009 (-0.016, -0.003)	0.006	0.057	0.033	20
FEV1/FVC	ARF1	rs964941	-0.120	0.044	-0.120 (-0.207, -0.033)	0.007	0.058	0.735	20
FEV1/FVC	GSTP1	rs147391285	-0.052	0.019	-0.052 (-0.089, -0.014)	0.007	0.058	0.306	7
FEV1/FVC	BAG3	rs196336	-0.039	0.015	-0.039 (-0.069, -0.010)	0.009	0.070	0.048	20
FEV1/FVC	CDC37	rs12978105	0.048	0.018	0.048 (0.012, 0.084)	0.009	0.072	0.224	20
FEV1/FVC	CD28	rs12614091	0.063	0.024	0.063 (0.015, 0.110)	0.010	0.077	0.038	20
FEV1/FVC	FADS2	rs968567	-0.008	0.003	-0.008 (-0.014, -0.002)	0.011	0.080	0.041	20
FEV1/FVC	ENTPD4	rs12549539	0.022	0.009	0.022 (0.005, 0.039)	0.013	0.090	0.115	20
FEV1/FVC	BAX	rs11668424	0.025	0.010	0.025 (0.005, 0.045)	0.013	0.093	0.076	20
FEV1/FVC	FOXK1	rs10262715	0.018	0.007	0.018 (0.003, 0.032)	0.016	0.106	0.992	20
FEV1/FVC	CUL2	rs2384287	0.034	0.014	0.034 (0.006, 0.061)	0.017	0.111	0.200	20
FEV1/FVC	CHEK2	rs9620808	-0.093	0.039	-0.093 (-0.170, -0.016)	0.018	0.116	0.475	20
FEV1/FVC	ABCB9	rs11608811	-0.021	0.009	-0.021 (-0.039, -0.003)	0.019	0.120	0.807	20
FEV1/FVC	ATP2A1	rs4788101	-0.063	0.027	-0.063 (-0.117, -0.010)	0.020	0.124	0.264	20
FEV1/FVC	GYS1	rs3810176	0.041	0.018	0.041 (0.006, 0.076)	0.022	0.132	0.013	20
FEV1/FVC	BBC3	rs35368210	0.103	0.046	0.103 (0.013, 0.193)	0.025	0.143	0.285	20
FEV1/FVC	ACSF2	rs898454	-0.031	0.014	-0.031 (-0.059, -0.004)	0.025	0.143	0.070	20
FEV1/FVC	FOXO1	rs9549200	-0.067	0.030	-0.067 (-0.126, -0.008)	0.026	0.146	0.928	20
FEV1/FVC	ACSL5	rs10885342	0.009	0.004	0.009 (0.001, 0.017)	0.027	0.150	0.013	20
FEV1/FVC	CFLAR	rs7599484	-0.019	0.008	-0.019 (-0.035, -0.002)	0.028	0.151	0.034	20
FEV1/FVC	ERP29	rs11066119	-0.041	0.019	-0.041 (-0.078, -0.004)	0.028	0.152	0.073	20
FEV1/FVC	GPR137	rs685870	-0.047	0.022	-0.047 (-0.089, -0.004)	0.030	0.162	0.044	20
FEV1/FVC	CTSS	rs2867300	-0.016	0.007	-0.016 (-0.030, -0.001)	0.031	0.162	0.255	20
FEV1/FVC	ATG2B	rs11626765	0.043	0.020	0.043 (0.004, 0.081)	0.032	0.165	0.681	19
FEV1/FVC	CD68	rs4968214	0.030	0.014	0.030 (0.003, 0.058)	0.032	0.165	0.168	20
FEV1/FVC	CDKN2A	rs2188127	0.060	0.028	0.060 (0.004, 0.115)	0.036	0.174	0.573	18
FEV1/FVC	EPM2A	rs450973	0.020	0.010	0.020 (0.001, 0.040)	0.038	0.174	0.489	11
FEV1/FVC	GLS	rs7562400	-0.022	0.011	-0.022 (-0.043, -0.001)	0.038	0.174	0.554	20

FEV1/FVC	CASP9	rs6685648	-0.015	0.007	-0.015 (-0.030, -0.000)	0.046	0.204	0.079	20
FEV1/FVC	GGA1	rs12710562	0.022	0.011	0.022 (0.000, 0.044)	0.046	0.204	0.348	20
FEV1/FVC	CX3CR1	rs7651994	-0.027	0.014	-0.027 (-0.054, -0.000)	0.047	0.204	0.191	20
FEV1/FVC	CAAP1	rs604409	0.067	0.034	0.067 (0.001, 0.133)	0.048	0.207	0.270	20
FEV1/FVC	ATF3	rs3795837	-0.049	0.025	-0.049 (-0.097, -0.000)	0.049	0.208	0.994	20
FEV1/FVC	CTNNA1	rs700621	-0.006	0.003	-0.006 (-0.013, -0.000)	0.050	0.212	0.149	20
PEF	ATP13A2	rs4920605	-0.136	0.017	-0.136 (-0.168, -0.103)	4.85E-16	1.56E-13	0.035	20
PEF	SENP1	rs12311774	0.150	0.023	0.150 (0.104, 0.195)	1.29E-10	2.08E-08	0.017	20
PEF	GM2A	rs72794132	-0.018	0.003	-0.018 (-0.024, -0.012)	3.62E-09	3.88E-07	0.036	20
PEF	AKR1C2	rs7893456	-0.024	0.004	-0.024 (-0.033, -0.016)	2.83E-08	2.27E-06	0.553	20
PEF	IFNGR2	rs17879003	-0.028	0.006	-0.028 (-0.039, -0.016)	1.62E-06	9.40E-05	0.178	20
PEF	KIF1B	rs11121529	-0.019	0.004	-0.019 (-0.027, -0.011)	2.46E-06	1.32E-04	0.095	20
PEF	JMY	rs2131977	0.034	0.007	0.034 (0.020, 0.049)	3.79E-06	1.82E-04	0.020	20
PEF	DDX5	rs1991401	-0.021	0.005	-0.021 (-0.030, -0.012)	5.71E-06	2.62E-04	0.527	20
PEF	GBA	rs11264345	-0.050	0.011	-0.050 (-0.071, -0.028)	7.04E-06	3.08E-04	0.080	20
PEF	STX4	rs58726213	-0.031	0.007	-0.031 (-0.045, -0.017)	1.51E-05	5.82E-04	0.656	20
PEF	GAB2	rs1318241	-0.085	0.020	-0.085 (-0.124, -0.046)	1.91E-05	7.06E-04	0.236	20
PEF	SNX32	rs11227332	0.037	0.009	0.037 (0.020, 0.054)	2.12E-05	7.30E-04	0.447	20
PEF	KAT8	rs1060506	-0.048	0.012	-0.048 (-0.071, -0.026)	2.72E-05	9.04E-04	0.698	20
PEF	WDR6	rs6446205	0.017	0.004	0.017 (0.009, 0.025)	3.34E-05	0.001	0.110	20
PEF	MAPK3	rs55732507	0.020	0.005	0.020 (0.010, 0.030)	8.99E-05	0.003	0.582	20
PEF	CTSK	rs2089081	0.015	0.004	0.015 (0.007, 0.023)	1.47E-04	0.004	0.278	20
PEF	HSP90AA1	rs2403017	-0.048	0.013	-0.048 (-0.073, -0.023)	1.72E-04	0.004	0.673	20
PEF	PHLDA3	rs10920203	0.094	0.025	0.094 (0.044, 0.143)	2.07E-04	0.005	0.048	16
PEF	DDIT4	rs12778560	-0.142	0.039	-0.142 (-0.217, -0.066)	2.39E-04	0.006	0.305	20
PEF	ASAH1	rs4921833	-0.017	0.005	-0.017 (-0.026, -0.008)	3.24E-04	0.007	0.875	20
PEF	RASIP1	rs1231281	-0.118	0.033	-0.118 (-0.182, -0.054)	3.30E-04	0.007	0.021	20
PEF	CTSW	rs568617	-0.011	0.003	-0.011 (-0.017, -0.005)	3.45E-04	0.008	0.019	20
PEF	PIP4K2C	rs7313599	-0.077	0.022	-0.077 (-0.120, -0.034)	4.37E-04	0.009	0.702	20
PEF	SPHK2	rs10426317	0.062	0.018	0.062 (0.027, 0.096)	5.05E-04	0.010	0.035	20
PEF	EMC2	rs957716	-0.064	0.019	-0.064 (-0.100, -0.027)	6.36E-04	0.012	0.055	20
PEF	TGFB2	rs12034138	0.179	0.054	0.179 (0.073, 0.286)	9.42E-04	0.017	0.129	18
PEF	EYA2	rs1572053	-0.191	0.058	-0.191 (-0.306, -0.077)	0.001	0.018	0.048	20
PEF	MYL6	rs35436573	0.076	0.023	0.076 (0.030, 0.121)	0.001	0.018	0.724	20
PEF	AP1M2	rs1821279	-0.032	0.010	-0.032 (-0.052, -0.013)	0.001	0.019	0.024	20
PEF	FNIP2	rs35747642	0.035	0.011	0.035 (0.014, 0.056)	0.001	0.020	0.413	20
PEF	SELK	rs3816144	-0.076	0.024	-0.076 (-0.122, -0.030)	0.001	0.021	0.036	20
PEF	BCL2L1	rs6088962	0.146	0.047	0.146 (0.055, 0.237)	0.002	0.027	0.268	20
PEF	GGA1	rs12710562	0.037	0.012	0.037 (0.014, 0.060)	0.002	0.028	0.353	20
PEF	CBL	rs2155380	-0.028	0.009	-0.028 (-0.046, -0.010)	0.002	0.028	0.022	20
PEF	RPS27L	rs12899931	-0.089	0.029	-0.089 (-0.146, -0.033)	0.002	0.029	0.158	20
PEF	UBQLN4	rs34444588	-0.031	0.010	-0.031 (-0.052, -0.011)	0.002	0.035	0.037	20

PEF	S100A13	rs7345	-0.022	0.007	-0.022 (-0.036, -0.008)	0.002	0.035	0.112	20
PEF	PIK3CB	rs9809657	-0.185	0.062	-0.185 (-0.306, -0.064)	0.003	0.039	0.067	20
PEF	SAT2	rs858520	0.028	0.009	0.028 (0.009, 0.047)	0.003	0.044	0.120	20
PEF	HTT	rs73191188	0.112	0.038	0.112 (0.037, 0.186)	0.003	0.045	0.126	20
PEF	ARF1	rs964941	-0.137	0.047	-0.137 (-0.229, -0.045)	0.003	0.046	0.332	20
PEF	BCL2L11	rs113135335	-0.075	0.026	-0.075 (-0.126, -0.023)	0.004	0.054	0.025	20
PEF	ICAM1	rs281437	0.042	0.015	0.042 (0.013, 0.072)	0.005	0.060	0.949	20
PEF	C12orf5	rs3217860	0.040	0.014	0.040 (0.012, 0.067)	0.005	0.061	0.261	20
PEF	FOXK1	rs10262715	0.022	0.008	0.022 (0.007, 0.038)	0.005	0.061	0.392	20
PEF	SLC39A6	rs7242481	0.102	0.037	0.102 (0.030, 0.175)	0.005	0.064	0.252	20
PEF	ULK1	rs7973178	0.090	0.033	0.090 (0.026, 0.154)	0.006	0.065	0.235	20
PEF	FEZ2	rs10180760	0.011	0.004	0.011 (0.003, 0.019)	0.006	0.065	0.283	20
PEF	TRAF1	rs4310279	-0.039	0.014	-0.039 (-0.066, -0.011)	0.006	0.070	0.809	20
PEF	SFRP2	rs7653960	-0.047	0.017	-0.047 (-0.081, -0.013)	0.006	0.072	0.205	20
PEF	IL4R	rs1110470	-0.029	0.011	-0.029 (-0.051, -0.008)	0.007	0.073	0.483	20
PEF	MEFV	rs224210	0.021	0.008	0.021 (0.006, 0.036)	0.007	0.078	0.676	20
PEF	EIF2AK4	rs11070245	-0.033	0.012	-0.033 (-0.058, -0.009)	0.008	0.079	0.597	20
PEF	FBXW7	rs17028954	-0.083	0.031	-0.083 (-0.144, -0.022)	0.008	0.079	0.695	20
PEF	IL10	rs1518111	0.040	0.016	0.040 (0.009, 0.071)	0.010	0.101	0.383	20
PEF	ERCC4	rs3136038	-0.147	0.058	-0.147 (-0.261, -0.033)	0.012	0.109	0.618	18
PEF	PLAGL2	rs1205843	0.063	0.025	0.063 (0.014, 0.112)	0.012	0.111	0.422	20
PEF	GGA3	rs8079345	-0.110	0.044	-0.110 (-0.196, -0.024)	0.012	0.111	0.281	20
PEF	CX3CR1	rs7651994	-0.036	0.014	-0.036 (-0.064, -0.008)	0.013	0.112	0.055	20
PEF	P2RX4	rs2071271	0.014	0.006	0.014 (0.003, 0.025)	0.015	0.133	0.781	20
PEF	LIPA	rs1412444	0.007	0.003	0.007 (0.001, 0.013)	0.016	0.137	0.728	20
PEF	GNAI3	rs3525	0.012	0.005	0.012 (0.002, 0.022)	0.017	0.138	0.196	20
PEF	SPATA2	rs11697848	-0.096	0.040	-0.096 (-0.175, -0.017)	0.017	0.138	0.648	17
PEF	GSK3B	rs6765483	0.022	0.010	0.022 (0.004, 0.041)	0.019	0.154	0.078	20
PEF	PRKAB1	rs11064881	0.014	0.006	0.014 (0.002, 0.025)	0.020	0.156	0.435	20
PEF	VDAC1	rs4958203	-0.040	0.017	-0.040 (-0.074, -0.006)	0.020	0.158	0.871	20
PEF	AP3B2	rs4627310	0.016	0.007	0.016 (0.003, 0.030)	0.020	0.158	0.018	20
PEF	RNF41	rs12229022	-0.080	0.035	-0.080 (-0.149, -0.011)	0.023	0.172	0.347	20
PEF	PEBP1	rs795482	0.014	0.006	0.014 (0.002, 0.025)	0.023	0.173	0.417	20
PEF	LAPTM5	rs3795438	-0.021	0.009	-0.021 (-0.039, -0.003)	0.023	0.174	0.090	20
PEF	SNAPIN	rs3806234	0.033	0.015	0.033 (0.004, 0.062)	0.024	0.179	0.080	20
PEF	STAT4	rs16833249	0.114	0.050	0.114 (0.015, 0.212)	0.024	0.179	0.173	20
PEF	LARP1	rs3867429	0.020	0.009	0.020 (0.002, 0.037)	0.025	0.185	0.883	20
PEF	CASP9	rs6685648	-0.018	0.008	-0.018 (-0.034, -0.002)	0.027	0.192	0.607	20
PEF	GSTP1	rs147391285	-0.043	0.019	-0.043 (-0.081, -0.005)	0.028	0.198	0.074	7
PEF	DEDD2	rs8108096	-0.104	0.048	-0.104 (-0.198, -0.010)	0.030	0.205	0.084	20
PEF	TSPO	rs739092	-0.021	0.010	-0.021 (-0.040, -0.002)	0.030	0.205	0.579	20
PEF	SH3GLB1	rs7517759	0.036	0.016	0.036 (0.003, 0.068)	0.030	0.206	0.664	20

PEF	GUSB	rs3813708	-0.021	0.010	-0.021 (-0.040, -0.002)	0.031	0.206	0.756	20
PEF	MFF	rs7572491	0.024	0.011	0.024 (0.002, 0.047)	0.032	0.208	0.364	20
PEF	LGALS3	rs7141706	-0.096	0.045	-0.096 (-0.184, -0.009)	0.031	0.208	0.546	20
PEF	GNAI2	rs2097247	0.084	0.039	0.084 (0.007, 0.160)	0.032	0.208	0.477	20
PEF	PIK3CA	rs10936990	-0.058	0.027	-0.058 (-0.112, -0.004)	0.034	0.214	0.675	20
PEF	CSNK2A2	rs2731750	-0.054	0.025	-0.054 (-0.103, -0.004)	0.034	0.215	0.379	20
PEF	FAM162A	rs6438724	0.050	0.024	0.050 (0.003, 0.097)	0.037	0.224	0.285	20
PEF	CHMP4B	rs2626562	0.014	0.007	0.014 (0.001, 0.028)	0.038	0.226	0.037	20
PEF	LEPR	rs6656451	0.012	0.006	0.012 (0.001, 0.024)	0.038	0.226	0.127	20
PEF	SGSH	rs114747872	-0.020	0.010	-0.020 (-0.039, -0.001)	0.039	0.226	0.282	20
PEF	LAMTOR2	rs501791	0.087	0.042	0.087 (0.005, 0.168)	0.038	0.226	0.051	10
PEF	DIDO1	rs13040088	0.023	0.011	0.023 (0.001, 0.045)	0.040	0.231	0.156	20
PEF	FGR	rs34806307	0.049	0.024	0.049 (0.002, 0.096)	0.040	0.232	0.882	20
PEF	ORMDL3	rs12936231	-0.007	0.003	-0.007 (-0.014, -0.000)	0.041	0.235	0.222	20
PEF	PTGDS	rs885070	-0.017	0.008	-0.017 (-0.033, -0.001)	0.042	0.235	0.841	20
PEF	PEA15	rs10797062	-0.017	0.008	-0.017 (-0.033, -0.001)	0.042	0.235	0.566	20
PEF	CD14	rs57599368	0.018	0.009	0.018 (0.001, 0.035)	0.042	0.236	0.699	20
PEF	ATP6V0D1	rs3893749	-0.011	0.006	-0.011 (-0.022, -0.000)	0.044	0.243	0.039	20
PEF	UNC5B	rs1124397	-0.013	0.006	-0.013 (-0.026, -0.000)	0.046	0.249	0.683	20
PEF	CXCR7	rs13409594	-0.033	0.016	-0.033 (-0.065, -0.000)	0.047	0.251	0.463	20
PEF	LOH12CR1	rs11054841	-0.041	0.021	-0.041 (-0.081, -0.000)	0.047	0.252	0.174	20
PEF	ITPR1	rs2322800	-0.023	0.012	-0.023 (-0.046, -0.000)	0.048	0.255	0.380	20

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SMR, Summary data-level Mendelian randomization; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim

Table S34. Sensitivity analysis of associations between PCD-related gene expression and lung function parameters*

Outcome	Gene	nSNP	Method	Beta	SE	Beta (95%CI)	P	Egger_intercept	P_Egger_intercept
FVC	ATP13A2	10	Inverse variance weighted	0.092	0.018	0.092 (0.057, 0.128)	3.03E-07	0.002	0.764
FVC	STX4	30	Inverse variance weighted	-0.053	0.005	-0.053 (-0.064, -0.043)	8.05E-23	-2.66E-05	0.988
FVC	SREBF1	30	Inverse variance weighted	0.035	0.004	0.035 (0.026, 0.043)	1.19E-15	0.003	0.068
FVC	UNC5B	15	Inverse variance weighted	-0.034	0.005	-0.034 (-0.044, -0.024)	9.02E-12	0.002	0.344
FVC	JMY	26	Inverse variance weighted	0.035	0.004	0.035 (0.026, 0.043)	5.02E-15	-1.06E-03	0.515
FVC	PARK7	27	Inverse variance weighted	-0.037	0.004	-0.037 (-0.045, -0.028)	1.17E-16	-1.84E-03	0.083
FVC	GPX1	1	Wald ratio	-0.115	0.022	-0.115 (-0.159, -0.071)	3.06E-07	NA	NA
FVC	FAIM	17	Inverse variance weighted	0.046	0.011	0.046 (0.025, 0.068)	1.94E-05	2.06E-04	0.952
FVC	GM2A	59	Inverse variance weighted	-0.011	0.002	-0.011 (-0.016, -0.007)	3.38E-06	5.27E-04	0.577
FVC	AP1G1	7	Inverse variance weighted	0.068	0.024	0.068 (0.022, 0.114)	0.004	0.006	0.224
FVC	HSP90AA1	16	Inverse variance weighted	-0.047	0.007	-0.047 (-0.061, -0.034)	1.21E-11	0.004	0.058
FVC	RPS6KB1	3	Inverse variance weighted	-0.068	0.026	-0.068 (-0.119, -0.018)	0.008	-1.41E-02	0.464
FVC	MSH6	31	Inverse variance weighted	-0.025	0.005	-0.025 (-0.035, -0.014)	3.43E-06	-1.89E-03	0.337
FVC	WDR81	18	Inverse variance weighted	0.022	0.005	0.022 (0.013, 0.031)	1.75E-06	6.99E-04	0.658
FVC	TP53	2	Inverse variance weighted	-0.130	0.029	-0.130 (-0.186, -0.073)	6.43E-06	NA	NA
FVC	LRPPRC	34	Inverse variance weighted	0.019	0.005	0.019 (0.010, 0.029)	3.24E-05	0.001	0.388
FVC	SENP1	3	Inverse variance weighted	0.060	0.024	0.060 (0.012, 0.108)	0.014	-4.84E-03	0.581
FVC	GSK3B	28	Inverse variance weighted	0.032	0.004	0.032 (0.023, 0.040)	1.42E-12	-7.43E-04	0.589
FVC	FGFR1	15	Inverse variance weighted	-0.017	0.006	-0.017 (-0.029, -0.005)	0.007	3.04E-04	0.869
FVC	BCL2L1	1	Wald ratio	0.153	0.038	0.153 (0.079, 0.227)	5.44E-05	NA	NA
FVC	GALC	27	Inverse variance weighted	0.030	0.005	0.030 (0.021, 0.039)	1.52E-10	7.31E-04	0.641
FVC	CAPN1	38	Inverse variance weighted	-0.017	0.005	-0.017 (-0.026, -0.008)	3.28E-04	-1.96E-03	0.264
FVC	ABCB9	23	Inverse variance weighted	-0.028	0.007	-0.028 (-0.041, -0.014)	5.32E-05	6.50E-04	0.739
FVC	USP36	51	Inverse variance weighted	0.010	0.003	0.010 (0.005, 0.016)	1.23E-04	0.002	0.237
FVC	SLC39A4	4	Inverse variance weighted	0.030	0.009	0.030 (0.012, 0.048)	0.001	-2.06E-03	0.604
FVC	ATP6V1C2	2	Inverse variance weighted	0.094	0.023	0.094 (0.049, 0.139)	4.63E-05	NA	NA
FVC	DIABLO	6	Inverse variance weighted	0.063	0.017	0.063 (0.030, 0.095)	1.52E-04	0.002	0.763
FVC	LGALS9	60	Inverse variance weighted	0.008	0.003	0.008 (0.002, 0.014)	0.007	0.001	0.195
FVC	CHMP4B	34	Inverse variance weighted	0.016	0.006	0.016 (0.003, 0.029)	0.015	-8.08E-05	0.973
FVC	CDIP1	1	Wald ratio	0.093	0.024	0.093 (0.045, 0.141)	1.36E-04	NA	NA
FVC	TMBIM1	13	Inverse variance weighted	0.022	0.009	0.022 (0.005, 0.040)	0.014	2.78E-04	0.929
FVC	DEPDC5	15	Inverse variance weighted	-0.034	0.009	-0.034 (-0.052, -0.015)	3.49E-04	0.003	0.174
FVC	ZEB1	1	Wald ratio	0.131	0.038	0.131 (0.057, 0.206)	5.72E-04	NA	NA
FVC	GLS	19	Inverse variance weighted	-0.031	0.010	-0.031 (-0.050, -0.011)	0.002	-3.29E-03	0.309
FVC	HIF1A	5	Inverse variance weighted	-0.061	0.012	-0.061 (-0.085, -0.037)	7.55E-07	0.001	0.744
FVC	DEDD2	1	Wald ratio	-0.147	0.042	-0.147 (-0.229, -0.065)	4.43E-04	NA	NA
FVC	BMP4	3	Inverse variance weighted	-0.061	0.025	-0.061 (-0.110, -0.013)	0.013	-3.31E-03	0.706
FVC	AP4E1	43	Inverse variance weighted	0.031	0.005	0.031 (0.020, 0.041)	6.13E-09	2.77E-04	0.863
FVC	HTT	2	Inverse variance weighted	0.062	0.029	0.062 (0.005, 0.119)	0.034	NA	NA
FVC	ERBB3	4	Inverse variance weighted	0.036	0.014	0.036 (0.009, 0.063)	0.010	-1.40E-02	0.258

FVC	GAPDH	13	Inverse variance weighted	-0.024	0.006	-0.024 (-0.034, -0.013)	2.13E-05	-1.75E-03	0.451
FVC	STAT2	9	Inverse variance weighted	-0.042	0.012	-0.042 (-0.066, -0.018)	7.00E-04	-5.71E-03	0.076
FVC	OPA1	9	Inverse variance weighted	0.021	0.007	0.021 (0.008, 0.034)	0.001	2.72E-04	0.911
FVC	LGALS12	24	Inverse variance weighted	-0.026	0.006	-0.026 (-0.038, -0.014)	2.22E-05	-2.80E-03	0.149
FVC	GNAI3	29	Inverse variance weighted	0.009	0.003	0.009 (0.002, 0.015)	0.010	-1.16E-03	0.372
FVC	IL10	6	Inverse variance weighted	0.029	0.010	0.029 (0.010, 0.048)	0.003	1.91E-05	0.995
FVC	AP3B2	30	Inverse variance weighted	0.019	0.009	0.019 (0.003, 0.036)	0.023	-1.08E-03	0.623
FVC	GNAI2	1	Wald ratio	0.105	0.035	0.105 (0.037, 0.174)	0.002	NA	NA
FVC	VDAC2	2	Inverse variance weighted	-0.080	0.031	-0.080 (-0.141, -0.018)	0.011	NA	NA
FVC	MAP3K7	5	Inverse variance weighted	-0.043	0.012	-0.043 (-0.066, -0.020)	3.34E-04	0.002	0.689
FVC	AP4S1	1	Wald ratio	0.078	0.028	0.078 (0.024, 0.132)	0.004	NA	NA
FVC	STAT6	48	Inverse variance weighted	0.015	0.004	0.015 (0.008, 0.023)	5.26E-05	-2.54E-04	0.876
FVC	PLA2G15	3	Inverse variance weighted	0.082	0.022	0.082 (0.039, 0.126)	2.08E-04	0.005	0.711
FVC	EMC2	4	Inverse variance weighted	-0.052	0.019	-0.052 (-0.089, -0.015)	0.006	-6.19E-03	0.534
FVC	RHEB	1	Wald ratio	0.062	0.023	0.062 (0.018, 0.106)	0.006	NA	NA
FVC	ARRB2	33	Inverse variance weighted	0.013	0.004	0.013 (0.006, 0.020)	4.56E-04	-7.16E-04	0.538
FVC	ZBP1	2	Inverse variance weighted	-0.029	0.014	-0.029 (-0.057, -0.001)	0.042	NA	NA
FVC	MYH10	4	Inverse variance weighted	0.052	0.017	0.052 (0.018, 0.086)	0.003	-2.90E-03	0.442
FVC	NCK2	12	Inverse variance weighted	0.053	0.010	0.053 (0.032, 0.073)	4.73E-07	3.46E-04	0.923
FVC	GCC2	72	Inverse variance weighted	-0.010	0.002	-0.010 (-0.015, -0.005)	6.57E-05	-8.67E-04	0.352
FVC	DIDO1	16	Inverse variance weighted	-0.017	0.009	-0.017 (-0.034, -0.000)	0.044	0.002	0.480
FVC	CISD2	9	Inverse variance weighted	-0.030	0.009	-0.030 (-0.047, -0.013)	6.36E-04	0.003	0.348
FVC	HPS6	11	Inverse variance weighted	-0.029	0.006	-0.029 (-0.041, -0.017)	1.65E-06	-1.15E-03	0.599
FVC	IL18	13	Inverse variance weighted	0.016	0.006	0.016 (0.004, 0.027)	0.009	-1.02E-03	0.668
FVC	ARF1	2	Inverse variance weighted	-0.092	0.030	-0.092 (-0.151, -0.034)	0.002	NA	NA
FVC	BCL2L14	10	Inverse variance weighted	0.045	0.009	0.045 (0.026, 0.063)	2.46E-06	0.003	0.179
FVC	HRAS	20	Inverse variance weighted	0.011	0.005	0.011 (0.001, 0.021)	0.025	-1.06E-03	0.526
FVC	STAT5B	1	Wald ratio	0.071	0.028	0.071 (0.017, 0.126)	0.010	NA	NA
FVC	PRELID1	16	Inverse variance weighted	-0.010	0.003	-0.010 (-0.015, -0.005)	2.13E-04	2.03E-04	0.919
FVC	RRAGD	58	Inverse variance weighted	-0.012	0.003	-0.012 (-0.018, -0.007)	1.69E-05	0.001	0.284
FVC	ACP2	35	Inverse variance weighted	-0.013	0.004	-0.013 (-0.020, -0.006)	3.15E-04	2.61E-04	0.897
FVC	PTEN	3	Inverse variance weighted	0.035	0.014	0.035 (0.007, 0.063)	0.015	-1.20E-02	0.666
FVC	ALOX15	30	Inverse variance weighted	-0.013	0.004	-0.013 (-0.020, -0.006)	4.40E-04	-2.48E-04	0.827
FVC	CDH1	21	Inverse variance weighted	0.013	0.006	0.013 (0.001, 0.026)	0.034	-1.77E-04	0.924
FVC	PDHB	23	Inverse variance weighted	-0.018	0.005	-0.018 (-0.028, -0.007)	7.38E-04	-1.89E-03	0.240
FVC	GHITM	17	Inverse variance weighted	-0.016	0.007	-0.016 (-0.030, -0.001)	0.034	-1.28E-03	0.500
FVC	PGD	1	Wald ratio	0.059	0.025	0.059 (0.011, 0.108)	0.017	NA	NA
FVC	ATG5	1	Wald ratio	0.118	0.049	0.118 (0.023, 0.214)	0.015	NA	NA
FVC	ERCC4	1	Wald ratio	-0.117	0.049	-0.117 (-0.213, -0.022)	0.016	NA	NA
FVC	LAMTOR2	1	Wald ratio	0.088	0.037	0.088 (0.015, 0.160)	0.017	NA	NA
FVC	AIM2	11	Inverse variance weighted	0.020	0.009	0.020 (0.002, 0.037)	0.026	-6.89E-04	0.725
FVC	RASIP1	1	Wald ratio	0.063	0.028	0.063 (0.007, 0.118)	0.027	NA	NA

FVC	EP300	19	Inverse variance weighted	-0.015	0.006	-0.015 (-0.026, -0.003)	0.012	0.005	0.071
FVC	ERN1	13	Inverse variance weighted	0.022	0.009	0.022 (0.005, 0.039)	0.010	0.004	0.204
FVC	SLC39A1	16	Inverse variance weighted	-0.027	0.011	-0.027 (-0.049, -0.005)	0.015	2.44E-04	0.943
FVC	SLC39A14	1	Wald ratio	-0.072	0.033	-0.072 (-0.136, -0.008)	0.027	NA	NA
FVC	HIP1	70	Inverse variance weighted	-0.009	0.002	-0.009 (-0.013, -0.006)	9.13E-07	-1.38E-03	0.199
FVC	IFI27L1	36	Inverse variance weighted	-0.009	0.004	-0.009 (-0.016, -0.002)	0.015	0.001	0.456
FVC	RPS27L	3	Inverse variance weighted	-0.044	0.018	-0.044 (-0.080, -0.009)	0.015	-2.13E-03	0.696
FVC	ACSL5	37	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.002	-2.84E-03	0.060
FVC	SCFD1	22	Inverse variance weighted	-0.013	0.005	-0.013 (-0.023, -0.003)	0.010	0.001	0.589
FVC	GNPTG	15	Inverse variance weighted	-0.034	0.010	-0.034 (-0.053, -0.016)	2.99E-04	-1.64E-03	0.544
FVC	FYCO1	7	Inverse variance weighted	0.025	0.011	0.025 (0.004, 0.046)	0.019	-2.50E-03	0.452
FVC	CASP8AP2	1	Wald ratio	0.059	0.028	0.059 (0.004, 0.114)	0.037	NA	NA
FVC	POLDIP2	16	Inverse variance weighted	0.031	0.010	0.031 (0.011, 0.050)	0.002	0.005	0.053
FVC	ACER2	1	Wald ratio	-0.109	0.051	-0.109 (-0.209, -0.008)	0.034	NA	NA
FEV1	STX4	30	Inverse variance weighted	-0.056	0.005	-0.056 (-0.066, -0.046)	7.22E-26	0.001	0.449
FEV1	NPC2	18	Inverse variance weighted	-0.037	0.016	-0.037 (-0.069, -0.005)	0.024	0.002	0.620
FEV1	ERBB3	4	Inverse variance weighted	0.062	0.018	0.062 (0.027, 0.098)	5.98E-04	-1.86E-02	0.194
FEV1	JMY	26	Inverse variance weighted	0.037	0.004	0.037 (0.028, 0.046)	6.64E-17	2.39E-04	0.882
FEV1	ATP2A1	3	Inverse variance weighted	-0.095	0.043	-0.095 (-0.178, -0.011)	0.026	0.010	0.685
FEV1	HSP90AA1	16	Inverse variance weighted	-0.049	0.007	-0.049 (-0.062, -0.035)	2.73E-12	0.003	0.088
FEV1	ORMDL3	81	Inverse variance weighted	-0.011	0.003	-0.011 (-0.016, -0.006)	1.94E-05	0.002	0.108
FEV1	GSDMB	96	Inverse variance weighted	-0.012	0.002	-0.012 (-0.016, -0.008)	4.57E-08	0.002	0.140
FEV1	SENP1	3	Inverse variance weighted	0.083	0.016	0.083 (0.052, 0.115)	1.65E-07	-2.75E-03	0.589
FEV1	ABCB9	23	Inverse variance weighted	-0.036	0.006	-0.036 (-0.047, -0.024)	7.68E-10	-5.99E-05	0.971
FEV1	FAIM	17	Inverse variance weighted	0.041	0.009	0.041 (0.024, 0.058)	1.99E-06	-5.06E-04	0.852
FEV1	GLB1	12	Inverse variance weighted	0.029	0.012	0.029 (0.006, 0.053)	0.016	0.001	0.823
FEV1	GLS	19	Inverse variance weighted	-0.037	0.009	-0.037 (-0.054, -0.019)	5.90E-05	-3.54E-03	0.227
FEV1	WDR81	18	Inverse variance weighted	0.024	0.005	0.024 (0.015, 0.032)	1.82E-07	0.001	0.452
FEV1	AP1G1	7	Inverse variance weighted	0.055	0.022	0.055 (0.012, 0.098)	0.012	0.005	0.244
FEV1	RPS6KB1	3	Inverse variance weighted	-0.063	0.019	-0.063 (-0.101, -0.026)	9.35E-04	-9.66E-03	0.525
FEV1	IL10	6	Inverse variance weighted	0.034	0.012	0.034 (0.010, 0.058)	0.006	0.001	0.799
FEV1	GSK3B	28	Inverse variance weighted	0.032	0.005	0.032 (0.022, 0.042)	1.74E-09	4.09E-04	0.804
FEV1	TGFB2	1	Wald ratio	0.193	0.044	0.193 (0.107, 0.279)	1.14E-05	NA	NA
FEV1	TP53	2	Inverse variance weighted	-0.110	0.034	-0.110 (-0.177, -0.043)	0.001	NA	NA
FEV1	SLC39A4	4	Inverse variance weighted	0.035	0.009	0.035 (0.018, 0.053)	8.37E-05	-4.84E-04	0.894
FEV1	ICAM1	10	Inverse variance weighted	0.058	0.012	0.058 (0.033, 0.082)	3.88E-06	0.005	0.084
FEV1	AP4E1	43	Inverse variance weighted	0.027	0.006	0.027 (0.017, 0.038)	7.02E-07	-1.04E-03	0.534
FEV1	RPS27L	3	Inverse variance weighted	-0.078	0.018	-0.078 (-0.113, -0.043)	1.54E-05	-9.29E-04	0.856
FEV1	SFRP2	9	Inverse variance weighted	-0.045	0.012	-0.045 (-0.069, -0.021)	2.78E-04	-1.96E-03	0.514
FEV1	UNC5B	15	Inverse variance weighted	-0.022	0.005	-0.022 (-0.031, -0.012)	1.21E-05	0.001	0.488
FEV1	FEZ2	62	Inverse variance weighted	0.011	0.003	0.011 (0.006, 0.016)	6.98E-06	4.00E-04	0.645
FEV1	BCL2L1	1	Wald ratio	0.146	0.038	0.146 (0.072, 0.220)	1.15E-04	NA	NA

FEV1	PLAGL2	4	Inverse variance weighted	0.072	0.034	0.072 (0.006, 0.138)	0.031	0.013	0.160
FEV1	GBA	13	Inverse variance weighted	-0.019	0.006	-0.019 (-0.031, -0.007)	0.002	0.001	0.543
FEV1	ATP6V1C2	2	Inverse variance weighted	0.101	0.023	0.101 (0.055, 0.146)	1.27E-05	NA	NA
FEV1	PARK7	27	Inverse variance weighted	-0.024	0.004	-0.024 (-0.033, -0.016)	3.05E-08	-1.17E-03	0.261
FEV1	CARS	11	Inverse variance weighted	-0.040	0.009	-0.040 (-0.057, -0.022)	8.18E-06	-8.76E-04	0.699
FEV1	ARF1	2	Inverse variance weighted	-0.135	0.029	-0.135 (-0.192, -0.078)	3.76E-06	NA	NA
FEV1	STAT2	9	Inverse variance weighted	-0.048	0.017	-0.048 (-0.082, -0.014)	0.006	-7.75E-03	0.091
FEV1	CTTN	2	Inverse variance weighted	-0.096	0.024	-0.096 (-0.143, -0.049)	5.70E-05	NA	NA
FEV1	RHEB	1	Wald ratio	0.075	0.022	0.075 (0.033, 0.118)	5.05E-04	NA	NA
FEV1	DEDD2	1	Wald ratio	-0.151	0.042	-0.151 (-0.233, -0.068)	3.31E-04	NA	NA
FEV1	SREBF1	30	Inverse variance weighted	0.018	0.005	0.018 (0.009, 0.027)	1.36E-04	0.002	0.161
FEV1	SFRP1	1	Wald ratio	-0.117	0.036	-0.117 (-0.188, -0.046)	0.001	NA	NA
FEV1	DIABLO	6	Inverse variance weighted	0.051	0.016	0.051 (0.020, 0.082)	0.001	3.23E-04	0.952
FEV1	ASAH1	59	Inverse variance weighted	-0.010	0.003	-0.010 (-0.016, -0.005)	1.70E-04	0.001	0.204
FEV1	TP53INP1	28	Inverse variance weighted	-0.020	0.009	-0.020 (-0.038, -0.003)	0.024	0.002	0.501
FEV1	MAP1LC3A	30	Inverse variance weighted	-0.025	0.006	-0.025 (-0.037, -0.013)	6.19E-05	-2.71E-03	0.189
FEV1	CSNK2A2	4	Inverse variance weighted	-0.056	0.017	-0.056 (-0.090, -0.023)	0.001	0.002	0.782
FEV1	MUC1	15	Inverse variance weighted	0.035	0.015	0.035 (0.006, 0.064)	0.019	-3.71E-03	0.190
FEV1	MYH10	4	Inverse variance weighted	0.057	0.017	0.057 (0.023, 0.091)	9.60E-04	-2.69E-03	0.467
FEV1	CHMP4B	34	Inverse variance weighted	0.012	0.006	0.012 (0.001, 0.024)	0.034	7.47E-04	0.730
FEV1	IL18	13	Inverse variance weighted	0.016	0.007	0.016 (0.002, 0.030)	0.025	-3.29E-03	0.231
FEV1	TNFRSF10A	14	Inverse variance weighted	-0.029	0.006	-0.029 (-0.041, -0.017)	2.23E-06	9.11E-04	0.597
FEV1	TCF7L2	12	Inverse variance weighted	-0.029	0.008	-0.029 (-0.045, -0.014)	1.58E-04	0.002	0.261
FEV1	CX3CR1	25	Inverse variance weighted	-0.032	0.007	-0.032 (-0.046, -0.017)	1.67E-05	-1.00E-03	0.569
FEV1	FNIP2	21	Inverse variance weighted	0.021	0.006	0.021 (0.009, 0.033)	9.10E-04	-1.92E-03	0.315
FEV1	ATP6V0D1	14	Inverse variance weighted	-0.013	0.005	-0.013 (-0.023, -0.004)	0.006	0.002	0.392
FEV1	RRAGD	58	Inverse variance weighted	-0.011	0.003	-0.011 (-0.017, -0.005)	2.03E-04	8.30E-04	0.391
FEV1	MLH1	16	Inverse variance weighted	-0.014	0.006	-0.014 (-0.025, -0.003)	0.015	-1.41E-03	0.595
FEV1	FOXK1	16	Inverse variance weighted	0.020	0.005	0.020 (0.009, 0.030)	3.06E-04	7.60E-04	0.740
FEV1	ERCC4	1	Wald ratio	-0.139	0.049	-0.139 (-0.235, -0.043)	0.005	NA	NA
FEV1	PIP4K2C	7	Inverse variance weighted	-0.053	0.020	-0.053 (-0.092, -0.015)	0.006	-7.86E-03	0.087
FEV1	HIP1	70	Inverse variance weighted	-0.009	0.002	-0.009 (-0.012, -0.005)	3.65E-06	3.76E-05	0.972
FEV1	LRPPRC	34	Inverse variance weighted	0.014	0.006	0.014 (0.003, 0.024)	0.015	6.39E-04	0.658
FEV1	STK25	4	Inverse variance weighted	0.057	0.016	0.057 (0.026, 0.088)	2.96E-04	0.006	0.337
FEV1	GHITM	17	Inverse variance weighted	-0.016	0.008	-0.016 (-0.032, -0.001)	0.035	-1.15E-03	0.563
FEV1	CAPN1	38	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.003)	0.008	-5.44E-04	0.742
FEV1	HIF1A	5	Inverse variance weighted	-0.052	0.013	-0.052 (-0.078, -0.026)	9.98E-05	0.003	0.473
FEV1	CD70	4	Inverse variance weighted	0.044	0.015	0.044 (0.016, 0.073)	0.003	-2.56E-03	0.739
FEV1	GALC	27	Inverse variance weighted	0.021	0.005	0.021 (0.012, 0.030)	5.60E-06	1.82E-04	0.907
FEV1	TMEM14A	10	Inverse variance weighted	-0.034	0.017	-0.034 (-0.067, -0.001)	0.041	-1.20E-03	0.742
FEV1	STAT1	3	Inverse variance weighted	0.088	0.024	0.088 (0.040, 0.136)	3.26E-04	0.003	0.802
FEV1	ZDHHC3	5	Inverse variance weighted	-0.050	0.016	-0.050 (-0.082, -0.018)	0.002	-2.68E-03	0.595

FEV1	BAG3	11	Inverse variance weighted	-0.024	0.012	-0.024 (-0.047, -0.000)	0.047	0.001	0.748
FEV1	PHLDA3	2	Inverse variance weighted	0.047	0.021	0.047 (0.006, 0.088)	0.024	NA	NA
FEV1	NFKB1	9	Inverse variance weighted	-0.027	0.009	-0.027 (-0.044, -0.010)	0.002	8.02E-04	0.779
FEV1	PEBP1	20	Inverse variance weighted	0.011	0.004	0.011 (0.004, 0.018)	0.004	-3.18E-03	0.217
FEV1	TRPM7	5	Inverse variance weighted	-0.041	0.013	-0.041 (-0.067, -0.015)	0.002	0.004	0.467
FEV1	PADI4	30	Inverse variance weighted	-0.008	0.004	-0.008 (-0.016, -0.001)	0.028	-6.50E-04	0.592
FEV1	ACP2	35	Inverse variance weighted	-0.012	0.004	-0.012 (-0.020, -0.004)	0.003	0.001	0.536
FEV1	IFI27	13	Inverse variance weighted	-0.023	0.008	-0.023 (-0.038, -0.008)	0.003	-7.56E-04	0.685
FEV1	MAPK7	3	Inverse variance weighted	-0.051	0.018	-0.051 (-0.086, -0.016)	0.004	-4.81E-03	0.612
FEV1	IFI27L1	36	Inverse variance weighted	-0.009	0.003	-0.009 (-0.016, -0.003)	0.005	3.16E-04	0.800
FEV1	PLA2G15	3	Inverse variance weighted	0.052	0.022	0.052 (0.008, 0.095)	0.019	0.001	0.931
FEV1	TNFSF10	16	Inverse variance weighted	0.020	0.007	0.020 (0.006, 0.034)	0.004	0.003	0.119
FEV1	FYCO1	7	Inverse variance weighted	0.024	0.011	0.024 (0.003, 0.046)	0.024	-3.40E-03	0.316
FEV1	SQSTM1	23	Inverse variance weighted	0.029	0.006	0.029 (0.018, 0.040)	4.95E-07	-2.71E-04	0.867
FEV1	IFNGR2	49	Inverse variance weighted	-0.009	0.003	-0.009 (-0.016, -0.003)	0.005	8.00E-05	0.936
FEV1	SLC39A10	28	Inverse variance weighted	-0.010	0.004	-0.010 (-0.019, -0.002)	0.017	0.002	0.422
FEV1	AP4S1	1	Wald ratio	0.062	0.028	0.062 (0.009, 0.116)	0.023	NA	NA
FEV1	CASP8AP2	1	Wald ratio	0.065	0.028	0.065 (0.010, 0.121)	0.021	NA	NA
FEV1	ARRB2	33	Inverse variance weighted	0.011	0.004	0.011 (0.004, 0.018)	0.001	6.59E-04	0.550
FEV1	PTEN	3	Inverse variance weighted	0.052	0.014	0.052 (0.024, 0.081)	2.68E-04	-2.15E-03	0.921
FEV1	CISD2	9	Inverse variance weighted	-0.022	0.011	-0.022 (-0.043, -0.002)	0.034	0.006	0.063
FEV1	BRSK2	1	Wald ratio	-0.083	0.037	-0.083 (-0.155, -0.011)	0.024	NA	NA
FEV1	MSH6	31	Inverse variance weighted	-0.018	0.004	-0.018 (-0.027, -0.010)	7.83E-06	-2.45E-03	0.107
FEV1	TRADD	10	Inverse variance weighted	-0.022	0.010	-0.022 (-0.041, -0.003)	0.022	0.002	0.397
FEV1	IFI16	11	Inverse variance weighted	-0.020	0.008	-0.020 (-0.036, -0.004)	0.012	0.002	0.462
FEV1	AP1S3	9	Inverse variance weighted	-0.028	0.009	-0.028 (-0.047, -0.010)	0.003	-5.41E-06	0.998
FEV1	GAB2	4	Inverse variance weighted	-0.041	0.014	-0.041 (-0.068, -0.014)	0.003	-3.09E-03	0.770
FEV1	CDC37	5	Inverse variance weighted	0.032	0.014	0.032 (0.004, 0.061)	0.025	-5.05E-03	0.238
FEV1	ZEB1	1	Wald ratio	0.083	0.038	0.083 (0.009, 0.158)	0.029	NA	NA
FEV1	CLU	1	Wald ratio	0.072	0.034	0.072 (0.006, 0.138)	0.031	NA	NA
FEV1	USP36	51	Inverse variance weighted	0.007	0.003	0.007 (0.002, 0.013)	0.008	0.001	0.295
FEV1	LGMN	11	Inverse variance weighted	-0.024	0.012	-0.024 (-0.047, -0.000)	0.046	-5.50E-03	0.069
FEV1	LAMTOR2	1	Wald ratio	0.080	0.036	0.080 (0.008, 0.151)	0.028	NA	NA
FEV1	ATG5	1	Wald ratio	0.107	0.049	0.107 (0.012, 0.203)	0.028	NA	NA
FEV1	CHMP3	14	Inverse variance weighted	0.033	0.008	0.033 (0.017, 0.049)	3.14E-05	8.65E-04	0.709
FEV1	BCL2L11	2	Inverse variance weighted	-0.052	0.018	-0.052 (-0.087, -0.016)	0.004	NA	NA
FEV1	ERN1	13	Inverse variance weighted	0.020	0.008	0.020 (0.005, 0.034)	0.010	0.003	0.312
FEV1	MAP3K7	5	Inverse variance weighted	-0.034	0.012	-0.034 (-0.058, -0.011)	0.004	0.003	0.431
FEV1	UFL1	6	Inverse variance weighted	0.038	0.010	0.038 (0.018, 0.058)	2.21E-04	0.001	0.760
FEV1/FVC	FGFR1	15	Inverse variance weighted	0.026	0.006	0.026 (0.014, 0.038)	2.86E-05	0.003	0.136
FEV1/FVC	ATP6V0A2	7	Inverse variance weighted	0.083	0.016	0.083 (0.053, 0.114)	9.02E-08	0.007	0.056
FEV1/FVC	ERBB3	4	Inverse variance weighted	0.061	0.012	0.061 (0.037, 0.085)	6.44E-07	-1.37E-02	0.270

FEV1/FVC	CTTN	2	Inverse variance weighted	-0.117	0.024	-0.117 (-0.165, -0.069)	1.85E-06	NA	NA
FEV1/FVC	GSDMB	96	Inverse variance weighted	-0.017	0.002	-0.017 (-0.020, -0.013)	1.20E-17	-1.09E-03	0.280
FEV1/FVC	BAG5	14	Inverse variance weighted	-0.036	0.008	-0.036 (-0.051, -0.021)	2.20E-06	0.002	0.567
FEV1/FVC	DEPTOR	12	Inverse variance weighted	0.023	0.011	0.023 (0.002, 0.045)	0.031	-8.55E-03	0.052
FEV1/FVC	GBA	13	Inverse variance weighted	-0.034	0.012	-0.034 (-0.058, -0.009)	0.006	-7.07E-03	0.129
FEV1/FVC	CREB3	1	Wald ratio	-0.117	0.033	-0.117 (-0.182, -0.052)	3.98E-04	NA	NA
FEV1/FVC	FOXK2	4	Inverse variance weighted	0.017	0.039	0.017 (-0.060, 0.093)	0.670	0.054	0.070
FEV1/FVC	BNIP3	2	Inverse variance weighted	-0.025	0.023	-0.025 (-0.071, 0.021)	0.290	NA	NA
FEV1/FVC	FASTK	2	Inverse variance weighted	0.036	0.079	0.036 (-0.118, 0.191)	0.645	NA	NA
FEV1/FVC	AP1S1	8	Inverse variance weighted	0.023	0.013	0.023 (-0.003, 0.049)	0.081	-3.15E-03	0.429
FEV1/FVC	BRSK2	1	Wald ratio	-0.123	0.038	-0.123 (-0.198, -0.048)	0.001	NA	NA
FEV1/FVC	CD70	4	Inverse variance weighted	0.062	0.015	0.062 (0.032, 0.092)	4.64E-05	0.011	0.265
FEV1/FVC	GNPTAB	9	Inverse variance weighted	0.018	0.014	0.018 (-0.011, 0.046)	0.222	-5.32E-03	0.162
FEV1/FVC	ATP6V1E2	65	Inverse variance weighted	0.007	0.003	0.007 (0.002, 0.012)	0.012	-3.03E-04	0.712
FEV1/FVC	CISD1	71	Inverse variance weighted	-0.002	0.003	-0.002 (-0.008, 0.003)	0.414	0.001	0.309
FEV1/FVC	ARF1	2	Inverse variance weighted	-0.131	0.030	-0.131 (-0.190, -0.073)	1.11E-05	NA	NA
FEV1/FVC	GSTP1	1	Wald ratio	-0.052	0.018	-0.052 (-0.087, -0.016)	0.004	NA	NA
FEV1/FVC	BAG3	11	Inverse variance weighted	-0.019	0.010	-0.019 (-0.039, 0.001)	0.063	-1.49E-04	0.957
FEV1/FVC	CDC37	5	Inverse variance weighted	0.053	0.027	0.053 (0.000, 0.107)	0.049	-6.89E-03	0.383
FEV1/FVC	CD28	2	Inverse variance weighted	0.029	0.052	0.029 (-0.072, 0.130)	0.577	NA	NA
FEV1/FVC	FADS2	53	Inverse variance weighted	-0.012	0.002	-0.012 (-0.017, -0.008)	6.21E-08	-1.30E-03	0.112
FEV1/FVC	ENTPD4	19	Inverse variance weighted	0.022	0.006	0.022 (0.011, 0.033)	9.95E-05	9.45E-05	0.948
FEV1/FVC	BAX	17	Inverse variance weighted	0.026	0.006	0.026 (0.015, 0.037)	7.51E-06	-1.39E-03	0.451
FEV1/FVC	FOXK1	16	Inverse variance weighted	0.019	0.005	0.019 (0.009, 0.029)	1.66E-04	0.001	0.580
FEV1/FVC	CUL2	8	Inverse variance weighted	0.032	0.013	0.032 (0.007, 0.057)	0.011	9.69E-04	0.789
FEV1/FVC	CHEK2	1	Wald ratio	-0.093	0.038	-0.093 (-0.167, -0.019)	0.014	NA	NA
FEV1/FVC	ABCB9	23	Inverse variance weighted	-0.021	0.006	-0.021 (-0.033, -0.010)	3.11E-04	-2.51E-03	0.125
FEV1/FVC	ATP2A1	3	Inverse variance weighted	-0.038	0.023	-0.038 (-0.083, 0.008)	0.105	-7.10E-03	0.595
FEV1/FVC	GYS1	3	Inverse variance weighted	0.052	0.015	0.052 (0.023, 0.081)	3.64E-04	0.004	0.516
FEV1/FVC	BBC3	1	Wald ratio	0.103	0.043	0.103 (0.018, 0.188)	0.018	NA	NA
FEV1/FVC	ACSF2	12	Inverse variance weighted	-0.003	0.010	-0.003 (-0.023, 0.018)	0.788	-3.86E-03	0.108
FEV1/FVC	FOXO1	5	Inverse variance weighted	-0.103	0.027	-0.103 (-0.157, -0.050)	1.62E-04	-7.16E-03	0.315
FEV1/FVC	ACSL5	37	Inverse variance weighted	0.007	0.003	0.007 (0.000, 0.014)	0.038	0.002	0.333
FEV1/FVC	CFLAR	23	Inverse variance weighted	-0.009	0.006	-0.009 (-0.021, 0.002)	0.121	-2.19E-03	0.389
FEV1/FVC	ERP29	2	Inverse variance weighted	-0.040	0.018	-0.040 (-0.075, -0.006)	0.023	NA	NA
FEV1/FVC	GPR137	6	Inverse variance weighted	-0.032	0.014	-0.032 (-0.059, -0.004)	0.027	-3.10E-04	0.935
FEV1/FVC	CTSS	26	Inverse variance weighted	-0.003	0.006	-0.003 (-0.016, 0.009)	0.604	0.003	0.225
FEV1/FVC	ATG2B	3	Inverse variance weighted	0.035	0.016	0.035 (0.004, 0.066)	0.027	-4.61E-03	0.494
FEV1/FVC	CD68	16	Inverse variance weighted	0.032	0.009	0.032 (0.015, 0.050)	2.42E-04	-1.26E-03	0.696
FEV1/FVC	CDKN2A	2	Inverse variance weighted	0.037	0.033	0.037 (-0.029, 0.102)	0.274	NA	NA
FEV1/FVC	EPM2A	18	Inverse variance weighted	0.014	0.008	0.014 (-0.002, 0.030)	0.077	0.003	0.256
FEV1/FVC	GLS	19	Inverse variance weighted	-0.016	0.007	-0.016 (-0.030, -0.001)	0.035	-5.03E-04	0.832

FEV1/FVC	CASP9	26	Inverse variance weighted	-0.007	0.004	-0.007 (-0.015, 0.001)	0.071	-1.38E-03	0.359
FEV1/FVC	GGA1	9	Inverse variance weighted	0.030	0.009	0.030 (0.013, 0.047)	4.88E-04	0.003	0.115
FEV1/FVC	CX3CR1	25	Inverse variance weighted	-0.017	0.006	-0.017 (-0.029, -0.006)	0.003	-3.47E-04	0.801
FEV1/FVC	CAAP1	3	Inverse variance weighted	0.050	0.022	0.050 (0.006, 0.093)	0.024	-2.52E-03	0.825
FEV1/FVC	ATF3	5	Inverse variance weighted	-0.046	0.014	-0.046 (-0.074, -0.018)	0.001	-2.17E-03	0.688
FEV1/FVC	CTNNA1	62	Inverse variance weighted	-0.009	0.002	-0.009 (-0.014, -0.004)	1.45E-04	-2.15E-03	0.089
PEF	ATP13A2	10	Inverse variance weighted	-0.097	0.016	-0.097 (-0.128, -0.066)	7.59E-10	0.003	0.519
PEF	SENP1	3	Inverse variance weighted	0.136	0.019	0.136 (0.098, 0.173)	9.94E-13	-4.54E-03	0.465
PEF	GM2A	59	Inverse variance weighted	-0.019	0.003	-0.019 (-0.024, -0.013)	2.42E-11	-4.14E-04	0.705
PEF	AKR1C2	47	Inverse variance weighted	-0.021	0.003	-0.021 (-0.027, -0.016)	6.79E-13	-1.60E-03	0.073
PEF	IFNGR2	49	Inverse variance weighted	-0.027	0.004	-0.027 (-0.035, -0.019)	2.98E-10	-2.08E-03	0.098
PEF	KIF1B	53	Inverse variance weighted	-0.018	0.003	-0.018 (-0.024, -0.012)	8.20E-09	8.44E-04	0.509
PEF	JMY	26	Inverse variance weighted	0.040	0.005	0.040 (0.031, 0.049)	3.68E-17	-1.29E-04	0.941
PEF	DDX5	14	Inverse variance weighted	-0.021	0.004	-0.021 (-0.030, -0.013)	8.59E-07	-1.31E-03	0.685
PEF	GBA	13	Inverse variance weighted	-0.036	0.010	-0.036 (-0.056, -0.016)	4.35E-04	-2.71E-03	0.507
PEF	STX4	30	Inverse variance weighted	-0.024	0.005	-0.024 (-0.035, -0.014)	6.91E-06	0.001	0.419
PEF	GAB2	4	Inverse variance weighted	-0.075	0.015	-0.075 (-0.104, -0.046)	5.67E-07	-1.35E-03	0.904
PEF	SNX32	22	Inverse variance weighted	0.025	0.007	0.025 (0.012, 0.038)	1.39E-04	-7.88E-04	0.644
PEF	KAT8	11	Inverse variance weighted	-0.045	0.008	-0.045 (-0.060, -0.030)	5.46E-09	-2.04E-03	0.363
PEF	WDR6	38	Inverse variance weighted	0.018	0.004	0.018 (0.010, 0.026)	8.02E-06	-6.37E-03	0.055
PEF	MAPK3	54	Inverse variance weighted	0.019	0.003	0.019 (0.014, 0.024)	2.75E-12	0.002	0.159
PEF	CTSK	61	Inverse variance weighted	0.014	0.004	0.014 (0.007, 0.022)	2.19E-04	-3.06E-03	0.138
PEF	HSP90AA1	16	Inverse variance weighted	-0.040	0.007	-0.040 (-0.054, -0.025)	8.42E-08	0.004	0.066
PEF	PHLDA3	2	Inverse variance weighted	0.101	0.022	0.101 (0.057, 0.145)	6.43E-06	NA	NA
PEF	DDIT4	2	Inverse variance weighted	-0.163	0.034	-0.163 (-0.229, -0.097)	1.27E-06	NA	NA
PEF	ASAH1	59	Inverse variance weighted	-0.017	0.003	-0.017 (-0.023, -0.011)	2.03E-08	5.70E-04	0.589
PEF	RASIP1	1	Wald ratio	-0.118	0.031	-0.118 (-0.178, -0.058)	1.23E-04	NA	NA
PEF	CTSW	57	Inverse variance weighted	-0.009	0.003	-0.009 (-0.014, -0.003)	0.005	-1.92E-04	0.857
PEF	PIP4K2C	7	Inverse variance weighted	-0.062	0.021	-0.062 (-0.105, -0.020)	0.004	-3.38E-03	0.559
PEF	SPHK2	6	Inverse variance weighted	0.046	0.014	0.046 (0.019, 0.073)	7.70E-04	0.005	0.182
PEF	EMC2	4	Inverse variance weighted	-0.058	0.026	-0.058 (-0.109, -0.007)	0.025	-1.35E-02	0.245
PEF	TGFB2	1	Wald ratio	0.179	0.048	0.179 (0.086, 0.273)	1.64E-04	NA	NA
PEF	EYA2	1	Wald ratio	-0.191	0.050	-0.191 (-0.289, -0.094)	1.20E-04	NA	NA
PEF	MYL6	2	Inverse variance weighted	0.068	0.020	0.068 (0.028, 0.107)	8.11E-04	NA	NA
PEF	AP1M2	29	Inverse variance weighted	-0.019	0.007	-0.019 (-0.032, -0.006)	0.004	-1.83E-03	0.429
PEF	FNIP2	21	Inverse variance weighted	0.029	0.007	0.029 (0.016, 0.042)	1.29E-05	-2.32E-03	0.246
PEF	SELK	3	Inverse variance weighted	-0.061	0.018	-0.061 (-0.097, -0.026)	6.83E-04	-2.67E-02	0.572
PEF	BCL2L1	1	Wald ratio	0.146	0.042	0.146 (0.064, 0.228)	4.94E-04	NA	NA
PEF	GGA1	9	Inverse variance weighted	0.044	0.010	0.044 (0.023, 0.064)	2.97E-05	0.002	0.332
PEF	CBL	12	Inverse variance weighted	-0.019	0.006	-0.019 (-0.030, -0.008)	6.78E-04	0.003	0.190
PEF	RPS27L	3	Inverse variance weighted	-0.068	0.019	-0.068 (-0.106, -0.030)	4.43E-04	-3.06E-03	0.625
PEF	UBQLN4	9	Inverse variance weighted	-0.024	0.007	-0.024 (-0.037, -0.010)	5.96E-04	-4.82E-03	0.273

PEF	S100A13	26	Inverse variance weighted	-0.013	0.005	-0.013 (-0.023, -0.002)	0.016	-7.98E-04	0.686
PEF	PIK3CB	1	Wald ratio	-0.185	0.053	-0.185 (-0.289, -0.081)	5.01E-04	NA	NA
PEF	SAT2	20	Inverse variance weighted	0.023	0.006	0.023 (0.012, 0.035)	1.15E-04	-1.21E-03	0.566
PEF	HTT	2	Inverse variance weighted	0.083	0.030	0.083 (0.025, 0.142)	0.005	NA	NA
PEF	ARF1	2	Inverse variance weighted	-0.141	0.032	-0.141 (-0.203, -0.079)	7.58E-06	NA	NA
PEF	BCL2L11	2	Inverse variance weighted	-0.087	0.019	-0.087 (-0.125, -0.049)	7.77E-06	NA	NA
PEF	ICAM1	10	Inverse variance weighted	0.057	0.010	0.057 (0.037, 0.077)	3.05E-08	0.005	0.098
PEF	C12orf5	9	Inverse variance weighted	0.020	0.008	0.020 (0.004, 0.036)	0.013	-3.21E-03	0.332
PEF	FOXK1	16	Inverse variance weighted	0.029	0.006	0.029 (0.017, 0.041)	3.61E-06	0.001	0.620
PEF	SLC39A6	2	Inverse variance weighted	0.112	0.030	0.112 (0.053, 0.170)	1.83E-04	NA	NA
PEF	ULK1	4	Inverse variance weighted	0.080	0.022	0.080 (0.037, 0.123)	2.54E-04	-4.37E-03	0.505
PEF	FEZ2	61	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.012)	0.011	-5.78E-04	0.516
PEF	TRAF1	16	Inverse variance weighted	-0.030	0.007	-0.030 (-0.044, -0.016)	2.15E-05	-2.23E-03	0.418
PEF	SFRP2	9	Inverse variance weighted	-0.040	0.013	-0.040 (-0.066, -0.014)	0.002	-1.97E-03	0.543
PEF	IL4R	19	Inverse variance weighted	-0.019	0.008	-0.019 (-0.034, -0.004)	0.015	0.001	0.645
PEF	MEFV	18	Inverse variance weighted	0.019	0.005	0.019 (0.009, 0.029)	1.78E-04	-2.95E-03	0.165
PEF	EIF2AK4	18	Inverse variance weighted	-0.027	0.009	-0.027 (-0.044, -0.010)	0.002	0.001	0.537
PEF	FBXW7	2	Inverse variance weighted	-0.081	0.026	-0.081 (-0.132, -0.031)	0.001	NA	NA
PEF	IL10	6	Inverse variance weighted	0.025	0.010	0.025 (0.006, 0.044)	0.009	-7.56E-04	0.817
PEF	ERCC4	1	Wald ratio	-0.147	0.053	-0.147 (-0.250, -0.043)	0.005	NA	NA
PEF	PLAGL2	4	Inverse variance weighted	0.055	0.025	0.055 (0.006, 0.104)	0.027	0.010	0.154
PEF	GGA3	1	Wald ratio	-0.110	0.042	-0.110 (-0.192, -0.028)	0.008	NA	NA
PEF	CX3CR1	25	Inverse variance weighted	-0.031	0.007	-0.031 (-0.044, -0.018)	2.83E-06	-2.26E-03	0.150
PEF	P2RX4	56	Inverse variance weighted	0.017	0.003	0.017 (0.011, 0.024)	2.82E-07	0.002	0.118
PEF	LIPA	93	Inverse variance weighted	0.008	0.002	0.008 (0.004, 0.012)	2.51E-04	1.94E-04	0.802
PEF	GNAI3	29	Inverse variance weighted	0.012	0.003	0.012 (0.005, 0.018)	4.51E-04	2.23E-04	0.857
PEF	SPATA2	1	Wald ratio	-0.096	0.038	-0.096 (-0.171, -0.021)	0.012	NA	NA
PEF	GSK3B	28	Inverse variance weighted	0.020	0.007	0.020 (0.007, 0.033)	0.003	3.57E-04	0.863
PEF	PRKAB1	46	Inverse variance weighted	0.014	0.004	0.014 (0.006, 0.023)	0.001	0.001	0.238
PEF	VDAC1	3	Inverse variance weighted	-0.038	0.014	-0.038 (-0.065, -0.011)	0.006	0.006	0.597
PEF	AP3B2	30	Inverse variance weighted	0.022	0.008	0.022 (0.007, 0.037)	0.003	-6.44E-04	0.741
PEF	RNF41	4	Inverse variance weighted	-0.067	0.022	-0.067 (-0.110, -0.025)	0.002	-6.38E-03	0.214
PEF	PEBP1	20	Inverse variance weighted	0.009	0.005	0.009 (0.001, 0.018)	0.037	-5.57E-03	0.064
PEF	LAPTM5	28	Inverse variance weighted	-0.028	0.010	-0.028 (-0.047, -0.009)	0.004	-4.15E-03	0.129
PEF	SNAPIN	6	Inverse variance weighted	0.036	0.011	0.036 (0.015, 0.057)	8.70E-04	-5.73E-05	0.989
PEF	STAT4	1	Wald ratio	0.114	0.047	0.114 (0.022, 0.206)	0.015	NA	NA
PEF	LARP1	31	Inverse variance weighted	0.018	0.005	0.018 (0.009, 0.027)	6.15E-05	7.03E-04	0.641
PEF	CASP9	26	Inverse variance weighted	-0.019	0.004	-0.019 (-0.028, -0.011)	7.54E-06	-8.93E-04	0.574
PEF	GSTP1	1	Wald ratio	-0.043	0.019	-0.043 (-0.079, -0.006)	0.023	NA	NA
PEF	DEDD2	1	Wald ratio	-0.104	0.045	-0.104 (-0.193, -0.016)	0.021	NA	NA
PEF	TSPO	24	Inverse variance weighted	-0.011	0.005	-0.011 (-0.022, -0.001)	0.040	-1.67E-03	0.313
PEF	SH3GLB1	6	Inverse variance weighted	0.029	0.012	0.029 (0.006, 0.052)	0.014	-2.64E-03	0.299

PEF	GUSB	9	Inverse variance weighted	-0.015	0.007	-0.015 (-0.030, -0.000)	0.046	0.002	0.405
PEF	MFF	14	Inverse variance weighted	0.022	0.007	0.022 (0.008, 0.036)	0.002	0.002	0.511
PEF	LGALS3	1	Wald ratio	-0.096	0.043	-0.096 (-0.180, -0.012)	0.024	NA	NA
PEF	GNAI2	1	Wald ratio	0.084	0.037	0.084 (0.010, 0.157)	0.026	NA	NA
PEF	PIK3CA	4	Inverse variance weighted	-0.046	0.018	-0.046 (-0.081, -0.011)	0.010	6.49E-04	0.887
PEF	CSNK2A2	4	Inverse variance weighted	-0.041	0.019	-0.041 (-0.078, -0.005)	0.028	0.002	0.719
PEF	FAM162A	4	Inverse variance weighted	0.037	0.018	0.037 (0.001, 0.073)	0.043	-1.20E-02	0.422
PEF	CHMP4B	34	Inverse variance weighted	0.013	0.006	0.013 (0.002, 0.024)	0.021	0.003	0.186
PEF	LEPR	45	Inverse variance weighted	0.007	0.003	0.007 (0.001, 0.013)	0.024	5.02E-04	0.661
PEF	SGSH	11	Inverse variance weighted	-0.012	0.006	-0.012 (-0.023, -0.000)	0.045	1.20E-04	0.953
PEF	LAMTOR2	1	Wald ratio	0.087	0.039	0.087 (0.009, 0.164)	0.028	NA	NA
PEF	DIDO1	16	Inverse variance weighted	0.018	0.008	0.018 (0.003, 0.033)	0.017	-4.77E-04	0.841
PEF	FGR	2	Inverse variance weighted	0.050	0.021	0.050 (0.009, 0.091)	0.018	NA	NA
PEF	ORMDL3	81	Inverse variance weighted	-0.010	0.002	-0.010 (-0.015, -0.006)	4.20E-07	-1.16E-03	0.189
PEF	PTGDS	12	Inverse variance weighted	-0.014	0.007	-0.014 (-0.027, -0.000)	0.048	-1.57E-03	0.621
PEF	PEA15	22	Inverse variance weighted	-0.015	0.006	-0.015 (-0.026, -0.004)	0.010	2.70E-04	0.856
PEF	CD14	27	Inverse variance weighted	0.018	0.006	0.018 (0.006, 0.031)	0.003	2.22E-04	0.920
PEF	ATP6V0D1	14	Inverse variance weighted	-0.017	0.006	-0.017 (-0.028, -0.006)	0.003	0.001	0.543
PEF	UNC5B	15	Inverse variance weighted	-0.016	0.005	-0.016 (-0.026, -0.005)	0.003	0.002	0.421
PEF	CXCR7	9	Inverse variance weighted	-0.024	0.012	-0.024 (-0.047, -0.001)	0.040	-3.98E-03	0.181
PEF	LOH12CR1	12	Inverse variance weighted	-0.048	0.013	-0.048 (-0.074, -0.022)	2.64E-04	-4.01E-03	0.422
PEF	ITPR1	16	Inverse variance weighted	-0.019	0.008	-0.019 (-0.036, -0.003)	0.024	0.002	0.434

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; SNP, single nucleotide polymorphsim; CI, confidence interval;

Table S35. Genetic instruments for sensitivity analysis of PCD-related gene expression in relation to lung function parameters

Outcome	Gene	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
FVC	ABCB9	rs10846525	T	C	0.052	0.008	0.456	1.10E-10	0.002	0.002	0.384	0.001	41.641	TRUE	2.33E-09
FVC	ABCB9	rs11057405	A	G	-0.085	0.015	0.084	4.82E-09	0.000	0.004	0.985	0.001	34.260	TRUE	1.84E-08
FVC	ABCB9	rs111835289	G	A	0.120	0.019	0.051	3.01E-10	-0.027	0.006	4.58E-06	0.001	39.667	TRUE	1.48E-06
FVC	ABCB9	rs11608811	A	G	0.290	0.009	0.301	5.43E-251	-0.009	0.003	6.29E-04	0.035	1144.945	TRUE	4.04E-217
FVC	ABCB9	rs117913606	A	G	-0.149	0.018	0.065	2.66E-16	0.012	0.004	0.002	0.002	67.032	TRUE	1.95E-12
FVC	ABCB9	rs12810157	A	G	0.283	0.029	0.027	3.66E-22	-0.002	0.007	0.725	0.003	93.700	TRUE	3.04E-20
FVC	ABCB9	rs12816396	T	A	0.089	0.011	0.165	2.22E-16	0.001	0.003	0.662	0.002	67.397	TRUE	7.18E-15
FVC	ABCB9	rs1662	A	G	-0.099	0.008	0.370	5.02E-33	0.000	0.002	0.870	0.005	143.305	TRUE	1.88E-30
FVC	ABCB9	rs2154	G	A	0.192	0.016	0.075	4.44E-33	-0.004	0.004	0.329	0.005	143.550	TRUE	2.06E-29
FVC	ABCB9	rs28873419	G	T	0.181	0.027	0.026	9.00E-12	-0.002	0.008	0.798	0.001	46.532	TRUE	8.24E-11
FVC	ABCB9	rs34484751	C	A	0.326	0.025	0.030	1.13E-39	-0.010	0.007	0.170	0.005	173.717	TRUE	8.45E-35
FVC	ABCB9	rs34944476	T	C	0.078	0.012	0.192	4.39E-11	-0.004	0.003	0.184	0.001	43.428	TRUE	2.22E-09
FVC	ABCB9	rs496911	A	G	-0.067	0.008	0.380	7.53E-16	-0.001	0.002	0.835	0.002	64.985	TRUE	1.35E-14
FVC	ABCB9	rs580063	C	T	0.066	0.010	0.204	2.56E-11	-0.002	0.003	0.447	0.001	44.483	TRUE	5.19E-10
FVC	ABCB9	rs61953572	C	T	0.111	0.019	0.112	3.09E-09	-0.004	0.004	0.255	0.001	35.127	TRUE	6.79E-08
FVC	ABCB9	rs61955270	A	G	-0.146	0.019	0.053	4.77E-14	0.014	0.005	0.009	0.002	56.821	TRUE	6.28E-11
FVC	ABCB9	rs7297888	T	C	0.189	0.021	0.044	3.37E-20	0.009	0.007	0.181	0.003	84.757	TRUE	1.97E-17
FVC	ABCB9	rs73230058	T	C	-0.129	0.014	0.111	4.16E-21	0.005	0.004	0.214	0.003	88.893	TRUE	2.48E-18
FVC	ABCB9	rs76573394	T	C	0.302	0.024	0.034	2.08E-35	0.000	0.007	0.969	0.005	154.201	TRUE	8.02E-33
FVC	ABCB9	rs77064381	C	T	-0.137	0.018	0.061	3.37E-14	0.004	0.005	0.358	0.002	57.504	TRUE	1.80E-12
FVC	ABCB9	rs77983490	A	G	0.328	0.034	0.019	1.84E-21	-0.006	0.008	0.452	0.003	90.503	TRUE	3.53E-19
FVC	ABCB9	rs7953894	A	C	-0.107	0.008	0.498	1.29E-37	0.005	0.002	0.042	0.005	164.310	TRUE	4.58E-32
FVC	ABCB9	rs79739600	G	A	-0.086	0.014	0.101	3.62E-10	0.002	0.004	0.641	0.001	39.306	TRUE	3.51E-09
FVC	ACER2	rs56380353	T	C	0.080	0.014	0.099	7.91E-09	-0.009	0.004	0.036	0.001	33.295	TRUE	6.40E-07
FVC	ACP2	rs10769199	G	T	0.158	0.008	0.385	2.80E-84	0.000	0.002	0.875	0.012	378.355	TRUE	1.48E-77
FVC	ACP2	rs111834609	A	G	-0.609	0.022	0.039	1.20E-162	-0.005	0.006	0.379	0.023	738.556	TRUE	4.76E-147
FVC	ACP2	rs113083342	G	A	-0.601	0.039	0.025	1.20E-52	0.005	0.013	0.681	0.007	233.176	TRUE	4.40E-48
FVC	ACP2	rs113618854	T	C	0.156	0.016	0.073	2.16E-21	-0.012	0.004	0.004	0.003	90.187	TRUE	6.15E-17
FVC	ACP2	rs113954134	A	G	-0.531	0.028	0.026	1.02E-82	0.014	0.007	0.038	0.012	371.179	TRUE	4.67E-72
FVC	ACP2	rs11601310	A	G	0.127	0.010	0.183	2.89E-34	-0.004	0.003	0.176	0.005	148.977	TRUE	5.53E-30
FVC	ACP2	rs116996852	G	T	-0.357	0.047	0.019	2.49E-14	0.017	0.010	0.075	0.002	58.094	TRUE	7.27E-12
FVC	ACP2	rs12364481	A	G	0.111	0.011	0.157	3.52E-23	0.006	0.003	0.071	0.003	98.337	TRUE	1.35E-19
FVC	ACP2	rs140025272	C	T	0.201	0.030	0.024	1.24E-11	0.004	0.007	0.551	0.001	45.900	TRUE	2.03E-10
FVC	ACP2	rs141317610	G	A	-0.603	0.036	0.040	5.94E-62	0.014	0.006	0.031	0.009	275.862	TRUE	2.23E-53
FVC	ACP2	rs145363919	T	C	0.202	0.028	0.025	5.24E-13	-0.012	0.007	0.066	0.002	52.108	TRUE	1.15E-10
FVC	ACP2	rs146218162	G	A	-0.251	0.035	0.016	7.49E-13	0.003	0.009	0.732	0.002	51.409	TRUE	9.92E-12
FVC	ACP2	rs147157127	T	C	0.224	0.037	0.017	1.14E-09	0.012	0.008	0.138	0.001	37.074	TRUE	4.80E-08
FVC	ACP2	rs181443960	T	C	-0.457	0.019	0.049	1.35E-122	-0.002	0.006	0.785	0.017	554.428	TRUE	2.26E-112
FVC	ACP2	rs184907858	G	A	-0.105	0.014	0.089	9.18E-14	0.002	0.004	0.623	0.002	55.531	TRUE	1.98E-12
FVC	ACP2	rs185988863	C	T	-0.278	0.021	0.053	2.44E-39	-0.010	0.027	0.722	0.005	172.198	TRUE	5.53E-36

FVC	ACP2	rs188486446	A	G	-0.327	0.053	0.018	4.52E-10	0.017	0.017	0.313	0.001	38.870	TRUE	1.03E-08
FVC	ACP2	rs34177812	C	T	0.157	0.009	0.282	1.84E-70	-0.001	0.003	0.595	0.010	314.916	TRUE	3.92E-64
FVC	ACP2	rs34874765	A	G	-0.406	0.032	0.020	1.30E-37	0.016	0.008	0.035	0.005	164.291	TRUE	6.75E-32
FVC	ACP2	rs35705366	A	T	0.211	0.018	0.065	2.22E-32	-0.002	0.005	0.683	0.004	140.348	TRUE	1.52E-29
FVC	ACP2	rs4603265	T	C	-0.444	0.011	0.146	0.00E+00	0.011	0.003	6.63E-04	0.049	1617.958	TRUE	1.39E-307
FVC	ACP2	rs4647728	A	G	0.192	0.025	0.033	1.29E-14	-0.005	0.006	0.435	0.002	59.388	TRUE	5.84E-13
FVC	ACP2	rs55944135	A	G	0.216	0.017	0.068	3.85E-36	-0.003	0.004	0.419	0.005	157.559	TRUE	2.03E-32
FVC	ACP2	rs55971594	A	G	0.236	0.025	0.035	6.07E-21	-0.005	0.005	0.317	0.003	88.144	TRUE	1.91E-18
FVC	ACP2	rs61704455	A	G	-0.106	0.018	0.055	2.08E-09	0.003	0.006	0.572	0.001	35.895	TRUE	2.00E-08
FVC	ACP2	rs61884297	A	T	0.174	0.018	0.052	3.58E-22	0.000	0.005	0.933	0.003	93.747	TRUE	1.50E-20
FVC	ACP2	rs7114704	T	C	0.172	0.018	0.053	4.60E-21	-0.003	0.005	0.562	0.003	88.693	TRUE	5.38E-19
FVC	ACP2	rs7124681	A	C	0.210	0.008	0.401	2.02E-149	-0.009	0.002	9.46E-05	0.021	677.747	TRUE	1.39E-126
FVC	ACP2	rs7125432	C	T	0.180	0.025	0.033	6.67E-13	-0.013	0.007	0.063	0.002	51.636	TRUE	1.44E-10
FVC	ACP2	rs72910026	A	G	0.170	0.024	0.029	2.78E-12	0.002	0.006	0.782	0.002	48.835	TRUE	2.95E-11
FVC	ACP2	rs749067	C	T	0.234	0.008	0.368	1.19E-180	0.000	0.002	0.897	0.025	821.371	TRUE	1.02E-165
FVC	ACP2	rs75159144	C	T	0.150	0.022	0.040	9.75E-12	0.007	0.006	0.260	0.001	46.376	TRUE	4.21E-10
FVC	ACP2	rs75352463	C	T	-0.695	0.029	0.025	9.06E-127	-0.004	0.009	0.657	0.018	573.604	TRUE	1.00E-115
FVC	ACP2	rs7948398	G	A	0.140	0.024	0.030	9.06E-09	0.004	0.006	0.530	0.001	33.031	TRUE	8.28E-08
FVC	ACP2	rs901750	G	A	0.270	0.008	0.425	7.33E-255	-0.001	0.002	0.615	0.035	1162.750	TRUE	1.74E-231
FVC	ACSL5	rs10885313	G	A	-0.054	0.008	0.475	9.18E-12	0.004	0.002	0.060	0.001	46.493	TRUE	1.32E-09
FVC	ACSL5	rs11195857	A	G	-0.202	0.010	0.196	7.45E-92	0.004	0.003	0.228	0.013	413.154	TRUE	3.80E-82
FVC	ACSL5	rs11195908	C	T	0.401	0.009	0.279	0.00E+00	-0.004	0.003	0.165	0.064	2156.872	TRUE	0.00E+00
FVC	ACSL5	rs11195942	T	C	0.335	0.013	0.099	6.56E-142	0.002	0.004	0.576	0.020	643.210	TRUE	3.84E-129
FVC	ACSL5	rs11195970	C	T	-0.166	0.014	0.093	6.79E-34	0.005	0.004	0.206	0.005	147.277	TRUE	9.59E-30
FVC	ACSL5	rs11196007	G	A	-0.096	0.012	0.122	2.58E-15	-0.001	0.004	0.880	0.002	62.558	TRUE	3.67E-14
FVC	ACSL5	rs11196056	G	A	0.072	0.010	0.183	1.69E-12	0.003	0.003	0.327	0.002	49.806	TRUE	6.62E-11
FVC	ACSL5	rs112776528	T	C	0.404	0.032	0.021	6.43E-37	0.001	0.009	0.878	0.005	161.113	TRUE	4.75E-34
FVC	ACSL5	rs11598016	G	A	-0.461	0.029	0.025	1.93E-57	0.003	0.007	0.654	0.008	255.166	TRUE	2.17E-52
FVC	ACSL5	rs117301941	A	G	-0.373	0.018	0.054	7.13E-98	-0.002	0.005	0.675	0.014	440.805	TRUE	1.94E-89
FVC	ACSL5	rs117385727	C	T	0.417	0.041	0.014	2.88E-24	-0.008	0.008	0.349	0.003	103.296	TRUE	1.66E-21
FVC	ACSL5	rs117517685	C	G	0.374	0.021	0.037	4.37E-68	-0.016	0.007	0.019	0.010	304.009	TRUE	1.82E-58
FVC	ACSL5	rs117934655	G	A	0.364	0.023	0.039	6.34E-58	-0.005	0.006	0.351	0.008	257.380	TRUE	5.95E-52
FVC	ACSL5	rs118054232	C	T	-0.318	0.032	0.019	9.68E-23	-0.014	0.008	0.109	0.003	96.332	TRUE	2.10E-19
FVC	ACSL5	rs12258615	T	C	-0.194	0.011	0.156	6.13E-71	0.003	0.003	0.405	0.010	317.106	TRUE	5.86E-64
FVC	ACSL5	rs139933346	A	C	-0.411	0.034	0.018	2.82E-34	-0.001	0.008	0.897	0.005	149.021	TRUE	1.19E-31
FVC	ACSL5	rs144734361	A	C	0.465	0.065	0.014	1.14E-12	0.003	0.010	0.788	0.002	50.577	TRUE	1.28E-11
FVC	ACSL5	rs146494196	C	T	-0.444	0.049	0.012	1.39E-19	-0.001	0.012	0.930	0.003	81.955	TRUE	3.70E-18
FVC	ACSL5	rs146605626	A	G	-0.428	0.040	0.017	2.70E-27	0.006	0.008	0.466	0.004	117.113	TRUE	1.74E-24
FVC	ACSL5	rs148053342	A	C	-0.327	0.035	0.017	3.03E-20	0.011	0.009	0.223	0.003	84.966	TRUE	1.35E-17
FVC	ACSL5	rs17095534	T	C	0.210	0.017	0.062	7.37E-37	-0.007	0.005	0.110	0.005	160.844	TRUE	5.96E-32
FVC	ACSL5	rs17129769	A	C	0.146	0.024	0.028	2.01E-09	-0.006	0.008	0.447	0.001	35.967	TRUE	2.62E-08
FVC	ACSL5	rs1926559	C	T	0.204	0.015	0.074	2.22E-41	-0.004	0.005	0.469	0.006	181.537	TRUE	2.75E-37

FVC	ACSL5	rs1926564	G	A	0.330	0.014	0.093	1.15E-131	-0.003	0.004	0.487	0.018	596.123	TRUE	1.72E-119
FVC	ACSL5	rs2792706	G	A	0.060	0.009	0.277	3.35E-11	-0.004	0.003	0.110	0.001	43.959	TRUE	2.86E-09
FVC	ACSL5	rs35116854	C	A	0.119	0.018	0.059	1.09E-11	-0.004	0.005	0.508	0.001	46.161	TRUE	2.07E-10
FVC	ACSL5	rs36024197	A	G	0.292	0.023	0.041	4.12E-38	0.004	0.006	0.498	0.005	166.575	TRUE	2.22E-34
FVC	ACSL5	rs41292614	G	A	-0.496	0.023	0.037	1.28E-104	0.007	0.006	0.231	0.015	471.806	TRUE	1.20E-93
FVC	ACSL5	rs74398911	T	C	-0.199	0.024	0.049	3.81E-16	0.007	0.005	0.162	0.002	66.327	TRUE	9.03E-14
FVC	ACSL5	rs74964251	T	C	0.214	0.032	0.020	1.81E-11	-0.003	0.008	0.714	0.001	45.166	TRUE	1.89E-10
FVC	ACSL5	rs76124550	T	C	0.164	0.028	0.025	6.38E-09	0.004	0.007	0.550	0.001	33.715	TRUE	5.70E-08
FVC	ACSL5	rs77289361	G	A	-0.412	0.029	0.025	1.74E-45	0.001	0.007	0.942	0.006	200.346	TRUE	4.54E-42
FVC	ACSL5	rs78083451	C	T	0.228	0.034	0.019	3.02E-11	-0.006	0.009	0.519	0.001	44.159	TRUE	4.91E-10
FVC	ACSL5	rs7893418	G	A	0.115	0.016	0.079	1.37E-13	-0.003	0.005	0.492	0.002	54.750	TRUE	4.02E-12
FVC	ACSL5	rs79784702	T	C	-0.357	0.037	0.019	2.56E-22	0.000	0.010	0.991	0.003	94.411	TRUE	9.12E-21
FVC	ACSL5	rs80109592	G	A	0.104	0.016	0.071	4.40E-11	-0.005	0.005	0.351	0.001	43.425	TRUE	1.11E-09
FVC	ACSL5	rs876281	G	A	-0.383	0.008	0.326	0.00E+00	0.002	0.003	0.368	0.063	2137.335	TRUE	0.00E+00
FVC	ACSL6	rs11745587	A	G	0.046	0.008	0.360	3.49E-08	0.009	0.003	3.08E-04	0.001	30.411	TRUE	1.40E-05
FVC	ACSL6	rs17165964	G	A	0.111	0.015	0.071	5.40E-13	0.011	0.005	0.019	0.002	52.050	TRUE	2.74E-10
FVC	ACSL6	rs247001	G	A	-0.065	0.008	0.485	3.41E-16	0.011	0.002	1.01E-05	0.002	66.549	TRUE	2.65E-11
FVC	ACSL6	rs253947	C	T	0.175	0.010	0.202	3.50E-70	0.007	0.003	0.021	0.010	313.630	TRUE	2.03E-60
FVC	ACSL6	rs30161	T	C	-0.208	0.020	0.045	1.39E-26	0.027	0.006	1.63E-05	0.004	113.864	TRUE	9.12E-20
FVC	ACSL6	rs58897542	T	C	0.308	0.049	0.016	3.53E-10	0.020	0.010	0.055	0.001	39.356	TRUE	3.46E-08
FVC	ACSL6	rs77123034	T	C	0.179	0.031	0.020	1.01E-08	0.003	0.010	0.779	0.001	32.817	TRUE	5.41E-08
FVC	AIM2	rs1101992	T	C	0.058	0.009	0.261	3.51E-10	0.000	0.003	0.900	0.001	39.368	TRUE	1.87E-09
FVC	AIM2	rs11590737	G	A	-0.136	0.014	0.088	3.13E-22	0.002	0.004	0.604	0.003	94.010	TRUE	4.06E-20
FVC	AIM2	rs71632651	G	A	-0.119	0.015	0.072	1.43E-14	-0.007	0.005	0.174	0.002	59.188	TRUE	2.01E-12
FVC	AIM2	rs7535856	T	G	-0.156	0.010	0.202	2.19E-56	-0.003	0.003	0.305	0.008	250.327	TRUE	1.83E-50
FVC	AIM2	rs76576833	T	C	-0.391	0.016	0.062	1.67E-124	-0.012	0.005	0.028	0.017	563.190	TRUE	5.48E-109
FVC	AIM2	rs77184573	C	T	0.214	0.038	0.014	2.31E-08	-0.003	0.011	0.818	0.001	31.210	TRUE	1.07E-07
FVC	AIM2	rs78167611	C	T	0.084	0.015	0.082	1.65E-08	-0.002	0.005	0.637	0.001	31.862	TRUE	1.14E-07
FVC	AIM2	rs78937012	T	C	-0.122	0.022	0.039	1.53E-08	0.001	0.005	0.834	0.001	32.016	TRUE	7.15E-08
FVC	AIM2	rs860635	C	G	-0.068	0.011	0.160	3.45E-10	0.001	0.003	0.741	0.001	39.398	TRUE	2.63E-09
FVC	AIM2	rs863004	T	C	0.059	0.008	0.380	4.75E-13	0.005	0.002	0.038	0.002	52.304	TRUE	1.60E-10
FVC	AIM2	rs863025	A	G	0.066	0.011	0.173	8.90E-10	0.000	0.003	0.917	0.001	37.550	TRUE	4.30E-09
FVC	ALOX15	rs11078528	A	G	0.163	0.009	0.287	1.45E-76	-0.001	0.003	0.849	0.011	342.939	TRUE	1.99E-70
FVC	ALOX15	rs11568110	T	C	-0.437	0.030	0.025	1.16E-49	-0.012	0.008	0.120	0.007	219.483	TRUE	1.88E-43
FVC	ALOX15	rs11657040	C	A	-0.123	0.011	0.438	1.17E-29	-0.001	0.003	0.575	0.004	127.908	TRUE	7.55E-27
FVC	ALOX15	rs11657711	T	C	0.118	0.017	0.064	9.18E-13	0.002	0.004	0.669	0.002	51.008	TRUE	1.42E-11
FVC	ALOX15	rs117317198	A	G	0.153	0.026	0.028	3.27E-09	-0.004	0.008	0.644	0.001	35.013	TRUE	2.55E-08
FVC	ALOX15	rs12150045	T	C	0.121	0.010	0.205	4.62E-34	-0.003	0.003	0.227	0.005	148.042	TRUE	5.62E-30
FVC	ALOX15	rs12449695	A	G	0.092	0.010	0.304	7.29E-20	0.000	0.003	0.879	0.003	83.228	TRUE	2.41E-18
FVC	ALOX15	rs139244790	A	G	0.159	0.029	0.026	3.88E-08	0.007	0.007	0.285	0.001	30.206	TRUE	5.77E-07
FVC	ALOX15	rs146174946	A	C	-0.324	0.030	0.022	3.05E-27	0.008	0.009	0.349	0.004	116.871	TRUE	3.49E-24
FVC	ALOX15	rs17765093	T	C	-0.136	0.009	0.253	1.32E-49	0.005	0.003	0.090	0.007	219.232	TRUE	4.00E-43

FVC	ALOX15	rs188900185	T	C	-0.350	0.036	0.022	5.94E-22	0.004	0.008	0.639	0.003	92.743	TRUE	6.42E-20
FVC	ALOX15	rs1986349	A	G	-0.112	0.008	0.454	1.53E-44	0.000	0.002	0.885	0.006	196.026	TRUE	4.06E-41
FVC	ALOX15	rs2255888	C	T	-0.448	0.009	0.238	0.00E+00	0.007	0.003	0.006	0.072	2452.647	TRUE	0.00E+00
FVC	ALOX15	rs2304973	A	G	0.104	0.015	0.081	1.18E-12	-0.007	0.004	0.138	0.002	50.520	TRUE	1.20E-10
FVC	ALOX15	rs28539426	C	A	0.110	0.018	0.055	8.24E-10	-0.009	0.005	0.055	0.001	37.699	TRUE	7.26E-08
FVC	ALOX15	rs34183984	T	C	0.102	0.017	0.075	3.00E-09	0.003	0.005	0.515	0.001	35.179	TRUE	3.17E-08
FVC	ALOX15	rs34994526	G	A	0.097	0.009	0.294	2.14E-27	-0.003	0.003	0.241	0.004	117.576	TRUE	5.08E-24
FVC	ALOX15	rs4239052	C	T	0.101	0.013	0.110	2.41E-15	0.004	0.004	0.328	0.002	62.694	TRUE	1.90E-13
FVC	ALOX15	rs4790204	C	G	0.075	0.010	0.206	3.38E-14	-0.001	0.003	0.816	0.002	57.495	TRUE	4.78E-13
FVC	ALOX15	rs55670980	T	C	-0.235	0.020	0.060	4.54E-32	0.009	0.005	0.060	0.004	138.930	TRUE	2.66E-27
FVC	ALOX15	rs55898740	A	G	-0.074	0.009	0.239	3.18E-15	0.003	0.003	0.276	0.002	62.150	TRUE	3.21E-13
FVC	ALOX15	rs56376949	T	G	-0.500	0.041	0.017	7.90E-35	0.006	0.010	0.569	0.005	151.551	TRUE	1.52E-31
FVC	ALOX15	rs58209386	T	C	0.090	0.014	0.104	2.48E-10	-0.006	0.004	0.097	0.001	40.044	TRUE	1.64E-08
FVC	ALOX15	rs7221871	A	G	0.089	0.008	0.350	9.28E-27	0.000	0.002	0.967	0.004	114.667	TRUE	7.80E-25
FVC	ALOX15	rs75395856	A	G	-0.471	0.049	0.026	5.95E-22	-0.013	0.013	0.300	0.003	92.739	TRUE	2.61E-19
FVC	ALOX15	rs76960659	A	G	0.174	0.025	0.034	1.78E-12	-0.010	0.006	0.080	0.002	49.710	TRUE	2.81E-10
FVC	ALOX15	rs79962533	T	C	0.136	0.011	0.167	1.52E-35	-0.002	0.003	0.552	0.005	154.834	TRUE	3.58E-32
FVC	ALOX15	rs8076142	C	T	-0.183	0.011	0.179	1.26E-60	0.003	0.003	0.271	0.008	269.779	TRUE	4.03E-54
FVC	ALOX15	rs9674812	T	A	0.267	0.047	0.043	9.68E-09	-0.006	0.007	0.336	0.001	32.902	TRUE	1.43E-07
FVC	ALOX15	rs9904177	G	A	-0.051	0.009	0.269	1.61E-08	0.000	0.003	0.982	0.001	31.918	TRUE	5.73E-08
FVC	AP1G1	rs117376038	T	C	-0.206	0.036	0.015	6.55E-09	-0.008	0.010	0.458	0.001	33.664	TRUE	7.36E-08
FVC	AP1G1	rs12920844	A	G	-0.050	0.008	0.384	8.13E-10	-0.007	0.002	0.004	0.001	37.727	TRUE	2.86E-07
FVC	AP1G1	rs2434885	T	C	0.071	0.010	0.207	8.97E-13	0.005	0.003	0.109	0.002	51.054	TRUE	1.17E-10
FVC	AP1G1	rs34731378	T	C	-0.099	0.009	0.275	1.68E-28	-0.013	0.003	1.21E-06	0.004	122.626	TRUE	9.64E-21
FVC	AP1G1	rs76621365	A	C	0.163	0.015	0.077	1.83E-27	-0.002	0.004	0.676	0.004	117.889	TRUE	5.07E-25
FVC	AP1G1	rs79469260	A	G	-0.099	0.016	0.067	1.63E-09	-0.010	0.005	0.053	0.001	36.368	TRUE	1.34E-07
FVC	AP1G1	rs9928317	T	G	0.050	0.008	0.494	2.50E-10	0.003	0.002	0.219	0.001	40.028	TRUE	8.33E-09
FVC	AP3B2	rs10851962	G	A	0.055	0.008	0.425	1.02E-11	0.001	0.002	0.680	0.001	46.286	TRUE	1.24E-10
FVC	AP3B2	rs112202228	G	A	0.474	0.030	0.020	6.29E-56	-0.005	0.009	0.558	0.008	248.223	TRUE	8.65E-51
FVC	AP3B2	rs112478508	T	C	-0.138	0.009	0.302	9.54E-58	-0.004	0.003	0.117	0.008	256.566	TRUE	9.75E-51
FVC	AP3B2	rs117736360	G	A	0.321	0.026	0.026	3.75E-34	0.021	0.007	0.002	0.005	148.460	TRUE	1.58E-27
FVC	AP3B2	rs118109445	C	G	0.454	0.053	0.015	1.23E-17	0.000	0.011	0.992	0.002	73.098	TRUE	1.96E-16
FVC	AP3B2	rs12443081	A	G	0.121	0.014	0.087	2.94E-17	0.022	0.004	1.05E-07	0.002	71.379	TRUE	2.05E-11
FVC	AP3B2	rs12592193	C	T	-0.099	0.013	0.108	1.18E-14	-0.004	0.004	0.250	0.002	59.563	TRUE	1.15E-12
FVC	AP3B2	rs137902425	A	C	0.309	0.035	0.015	2.09E-18	0.004	0.011	0.695	0.002	76.600	TRUE	9.13E-17
FVC	AP3B2	rs139170842	C	T	0.728	0.082	0.014	6.01E-19	0.010	0.013	0.461	0.002	79.059	TRUE	6.44E-17
FVC	AP3B2	rs139950012	C	T	-0.087	0.015	0.081	4.61E-09	0.001	0.004	0.900	0.001	34.347	TRUE	2.03E-08
FVC	AP3B2	rs141549770	A	G	0.124	0.021	0.041	1.65E-09	0.002	0.005	0.780	0.001	36.351	TRUE	1.02E-08
FVC	AP3B2	rs142681630	T	C	0.439	0.024	0.032	1.08E-72	-0.001	0.006	0.908	0.010	325.162	TRUE	4.90E-67
FVC	AP3B2	rs148439657	T	G	0.187	0.029	0.022	8.22E-11	-0.017	0.010	0.096	0.001	42.203	TRUE	6.54E-09
FVC	AP3B2	rs1491579	T	C	-0.053	0.008	0.483	2.73E-11	-0.009	0.002	1.28E-04	0.001	44.355	TRUE	7.35E-08
FVC	AP3B2	rs1503068	G	A	-0.056	0.008	0.381	5.42E-12	0.005	0.002	0.065	0.001	47.527	TRUE	8.98E-10

FVC	AP3B2	rs17158403	G	C	0.421	0.010	0.185	0.00E+00	0.009	0.003	0.004	0.053	1776.440	TRUE	0.00E+00
FVC	AP3B2	rs17526239	C	G	0.087	0.013	0.110	5.67E-12	-0.005	0.004	0.151	0.001	47.439	TRUE	4.46E-10
FVC	AP3B2	rs17527969	G	A	0.174	0.028	0.046	6.69E-10	0.000	0.005	0.993	0.001	38.106	TRUE	2.83E-09
FVC	AP3B2	rs2201102	T	A	-0.070	0.009	0.290	1.09E-15	0.002	0.003	0.539	0.002	64.255	TRUE	4.38E-14
FVC	AP3B2	rs3784366	G	C	-0.080	0.014	0.083	2.45E-08	0.015	0.004	2.92E-04	0.001	31.099	TRUE	1.19E-05
FVC	AP3B2	rs4778972	A	G	0.099	0.009	0.241	1.49E-26	0.004	0.003	0.143	0.004	113.722	TRUE	6.06E-23
FVC	AP3B2	rs4778973	T	C	0.098	0.008	0.401	4.04E-34	-0.003	0.002	0.171	0.005	148.309	TRUE	8.20E-30
FVC	AP3B2	rs62010181	G	A	-0.084	0.009	0.320	6.52E-23	0.002	0.003	0.525	0.003	97.115	TRUE	1.30E-20
FVC	AP3B2	rs6603031	C	T	-0.130	0.019	0.051	3.05E-12	0.000	0.006	0.939	0.002	48.653	TRUE	2.17E-11
FVC	AP3B2	rs7174089	T	C	0.151	0.008	0.488	6.32E-82	0.016	0.002	3.11E-12	0.011	367.550	TRUE	4.50E-61
FVC	AP3B2	rs74024687	C	T	0.073	0.010	0.174	4.63E-12	-0.005	0.003	0.142	0.002	47.837	TRUE	3.89E-10
FVC	AP3B2	rs7496832	C	A	0.216	0.012	0.140	1.35E-78	0.006	0.004	0.077	0.011	352.252	TRUE	5.61E-69
FVC	AP3B2	rs8042263	C	G	-0.096	0.009	0.329	1.31E-28	0.005	0.003	0.071	0.004	123.118	TRUE	2.59E-24
FVC	AP3B2	rs899747	C	T	-0.097	0.010	0.179	7.87E-21	0.004	0.003	0.177	0.003	87.630	TRUE	5.35E-18
FVC	AP3B2	rs9806642	C	G	-0.113	0.009	0.328	4.46E-40	-0.004	0.003	0.137	0.006	175.573	TRUE	5.04E-35
FVC	AP3S1	rs13359139	C	A	-0.287	0.037	0.037	6.14E-15	0.005	0.006	0.429	0.002	60.851	TRUE	3.02E-13
FVC	AP3S1	rs152367	A	G	-0.078	0.012	0.353	2.42E-10	0.002	0.003	0.498	0.001	40.089	TRUE	3.44E-09
FVC	AP3S1	rs74844425	C	T	0.429	0.048	0.017	3.09E-19	0.020	0.008	0.013	0.003	80.373	TRUE	1.86E-15
FVC	AP3S1	rs9326981	T	C	0.163	0.025	0.058	1.04E-10	-0.003	0.005	0.540	0.001	41.737	TRUE	1.41E-09
FVC	AP4E1	rs10519251	A	G	0.106	0.019	0.117	1.17E-08	0.001	0.004	0.891	0.001	32.529	TRUE	5.02E-08
FVC	AP4E1	rs111828788	A	G	-0.258	0.029	0.037	1.06E-18	-0.004	0.013	0.752	0.002	77.936	TRUE	4.13E-17
FVC	AP4E1	rs117170261	A	G	-0.274	0.021	0.042	6.51E-39	-0.016	0.007	0.023	0.005	170.245	TRUE	8.14E-33
FVC	AP4E1	rs117817961	T	C	0.290	0.024	0.030	2.25E-32	-0.001	0.007	0.841	0.004	140.328	TRUE	8.12E-30
FVC	AP4E1	rs118137996	C	A	0.375	0.031	0.019	3.65E-33	0.026	0.010	0.008	0.005	143.939	TRUE	2.78E-27
FVC	AP4E1	rs118168098	A	G	0.204	0.037	0.015	3.58E-08	-0.012	0.011	0.295	0.001	30.363	TRUE	5.16E-07
FVC	AP4E1	rs12441734	C	T	0.320	0.008	0.303	0.00E+00	0.008	0.003	0.003	0.043	1426.376	TRUE	1.43E-272
FVC	AP4E1	rs12905605	A	G	0.068	0.009	0.238	2.94E-13	0.004	0.003	0.142	0.002	53.246	TRUE	3.24E-11
FVC	AP4E1	rs12907250	G	A	-0.078	0.009	0.278	3.00E-18	-0.001	0.003	0.759	0.002	75.887	TRUE	1.02E-16
FVC	AP4E1	rs1365504	G	A	-0.052	0.009	0.436	9.06E-10	0.006	0.002	0.016	0.001	37.516	TRUE	1.51E-07
FVC	AP4E1	rs139941060	T	C	0.384	0.045	0.014	1.18E-17	0.015	0.010	0.147	0.002	73.173	TRUE	4.62E-15
FVC	AP4E1	rs141272690	C	T	0.578	0.020	0.041	4.64E-185	0.009	0.006	0.163	0.026	841.645	TRUE	1.27E-165
FVC	AP4E1	rs145988487	T	C	0.363	0.030	0.022	5.21E-33	-0.001	0.009	0.892	0.005	143.229	TRUE	1.74E-30
FVC	AP4E1	rs146798115	A	C	0.337	0.047	0.023	1.17E-12	0.030	0.014	0.035	0.002	50.526	TRUE	3.70E-10
FVC	AP4E1	rs148471303	A	G	-0.175	0.031	0.020	1.59E-08	-0.010	0.008	0.213	0.001	31.941	TRUE	3.40E-07
FVC	AP4E1	rs17599340	C	T	-0.235	0.010	0.191	2.73E-120	-0.009	0.003	0.001	0.017	543.819	TRUE	1.12E-102
FVC	AP4E1	rs17602686	C	A	0.100	0.011	0.182	2.91E-21	0.001	0.003	0.799	0.003	89.600	TRUE	1.64E-19
FVC	AP4E1	rs188643091	A	C	-0.215	0.031	0.031	4.63E-12	-0.027	0.013	0.035	0.002	47.833	TRUE	1.17E-09
FVC	AP4E1	rs190429812	A	G	0.256	0.042	0.017	9.68E-10	0.018	0.013	0.164	0.001	37.386	TRUE	3.63E-08
FVC	AP4E1	rs192643601	C	T	0.258	0.030	0.026	2.31E-17	0.008	0.010	0.425	0.002	71.855	TRUE	2.05E-15
FVC	AP4E1	rs2070595	T	G	0.079	0.008	0.356	2.48E-21	0.000	0.003	0.856	0.003	89.918	TRUE	1.08E-19
FVC	AP4E1	rs2168623	G	A	-0.069	0.011	0.155	3.29E-10	-0.005	0.004	0.125	0.001	39.491	TRUE	1.80E-08
FVC	AP4E1	rs2445743	A	G	0.066	0.009	0.239	1.29E-12	0.009	0.003	0.002	0.002	50.336	TRUE	2.28E-09

FVC	AP4E1	rs2445772	C	G	-0.090	0.008	0.354	3.80E-26	-0.016	0.003	2.52E-10	0.004	111.870	TRUE	3.43E-17
FVC	AP4E1	rs2663533	C	T	0.265	0.008	0.463	2.16E-250	0.010	0.002	1.45E-05	0.035	1142.185	TRUE	5.01E-213
FVC	AP4E1	rs28469604	G	A	0.232	0.022	0.033	1.89E-25	-0.004	0.007	0.587	0.003	108.687	TRUE	5.04E-23
FVC	AP4E1	rs28582911	A	G	0.179	0.008	0.418	3.55E-110	0.002	0.002	0.450	0.015	497.339	TRUE	8.04E-100
FVC	AP4E1	rs34450781	A	G	0.279	0.018	0.062	5.32E-56	0.011	0.005	0.017	0.008	248.558	TRUE	9.82E-48
FVC	AP4E1	rs3784308	G	A	-0.102	0.016	0.065	2.70E-10	-0.006	0.006	0.310	0.001	39.879	TRUE	6.55E-09
FVC	AP4E1	rs4775935	T	G	0.146	0.008	0.342	2.92E-68	0.012	0.002	2.63E-06	0.010	304.810	TRUE	4.66E-54
FVC	AP4E1	rs55972942	C	T	0.051	0.008	0.341	1.48E-09	-0.006	0.003	0.011	0.001	36.562	TRUE	2.64E-07
FVC	AP4E1	rs61658808	T	C	0.211	0.032	0.020	3.10E-11	0.011	0.013	0.400	0.001	44.111	TRUE	7.10E-10
FVC	AP4E1	rs62015119	G	A	-0.067	0.012	0.128	3.47E-08	-0.007	0.004	0.042	0.001	30.422	TRUE	2.02E-06
FVC	AP4E1	rs62018073	G	A	-0.061	0.008	0.341	3.04E-13	-0.002	0.003	0.352	0.002	53.179	TRUE	1.30E-11
FVC	AP4E1	rs62018850	A	G	-0.261	0.018	0.055	5.82E-50	-0.018	0.005	3.89E-04	0.007	220.866	TRUE	1.66E-40
FVC	AP4E1	rs72727133	T	C	-0.179	0.012	0.125	9.21E-50	-0.001	0.004	0.699	0.007	219.950	TRUE	1.76E-45
FVC	AP4E1	rs72729205	A	C	-0.088	0.014	0.092	3.04E-10	0.004	0.004	0.387	0.001	39.645	TRUE	5.79E-09
FVC	AP4E1	rs77881255	T	C	0.264	0.023	0.034	6.91E-30	0.001	0.007	0.937	0.004	128.955	TRUE	1.11E-27
FVC	AP4E1	rs79106052	G	T	-0.169	0.019	0.050	2.94E-19	0.001	0.006	0.888	0.003	80.474	TRUE	8.38E-18
FVC	AP4E1	rs79469565	T	C	0.191	0.015	0.084	2.32E-39	0.001	0.004	0.860	0.005	172.291	TRUE	2.90E-36
FVC	AP4E1	rs80209514	C	T	-0.105	0.018	0.054	3.56E-09	-0.006	0.005	0.300	0.001	34.848	TRUE	6.65E-08
FVC	AP4E1	rs874941	C	T	0.103	0.008	0.321	8.24E-34	0.006	0.003	0.019	0.005	146.895	TRUE	3.11E-28
FVC	AP4E1	rs9635336	G	A	0.061	0.009	0.307	6.62E-12	-0.001	0.003	0.853	0.001	47.134	TRUE	5.57E-11
FVC	AP4S1	rs7149411	C	G	0.095	0.010	0.267	6.49E-21	0.007	0.003	0.005	0.003	88.012	TRUE	1.51E-16
FVC	ARF1	rs1188975	T	C	0.097	0.014	0.094	1.85E-12	-0.007	0.004	0.092	0.002	49.632	TRUE	2.59E-10
FVC	ARF1	rs964941	G	A	0.058	0.008	0.468	3.87E-13	-0.006	0.002	0.006	0.002	52.704	TRUE	3.75E-10
FVC	ARRB2	rs111799880	G	T	-0.369	0.036	0.015	4.06E-24	0.001	0.008	0.862	0.003	102.614	TRUE	3.06E-22
FVC	ARRB2	rs11568110	T	C	0.395	0.030	0.025	1.40E-39	-0.012	0.008	0.120	0.005	173.306	TRUE	1.94E-34
FVC	ARRB2	rs11650301	G	T	-0.105	0.009	0.337	8.35E-35	-0.003	0.002	0.283	0.005	151.444	TRUE	7.99E-31
FVC	ARRB2	rs11657711	T	C	-0.112	0.017	0.064	2.15E-11	0.002	0.004	0.669	0.001	44.826	TRUE	2.51E-10
FVC	ARRB2	rs117945224	A	G	-0.120	0.016	0.092	1.57E-14	0.004	0.004	0.370	0.002	59.000	TRUE	8.86E-13
FVC	ARRB2	rs12451546	T	C	-0.102	0.017	0.077	9.32E-10	0.003	0.005	0.594	0.001	37.459	TRUE	9.09E-09
FVC	ARRB2	rs146174946	A	C	0.457	0.030	0.022	3.02E-51	0.008	0.009	0.349	0.007	226.753	TRUE	6.60E-46
FVC	ARRB2	rs151021726	A	G	0.261	0.042	0.018	5.56E-10	0.008	0.008	0.288	0.001	38.467	TRUE	1.34E-08
FVC	ARRB2	rs188900185	T	C	0.370	0.037	0.022	2.02E-23	0.004	0.008	0.639	0.003	99.438	TRUE	2.93E-21
FVC	ARRB2	rs1986349	A	G	0.164	0.008	0.454	3.63E-91	0.000	0.002	0.885	0.013	409.994	TRUE	5.72E-84
FVC	ARRB2	rs2255888	C	T	0.423	0.009	0.238	0.00E+00	0.007	0.003	0.006	0.063	2122.388	TRUE	0.00E+00
FVC	ARRB2	rs2304969	T	G	-0.065	0.011	0.159	8.28E-09	0.001	0.003	0.682	0.001	33.205	TRUE	5.60E-08
FVC	ARRB2	rs2304973	A	G	-0.129	0.015	0.081	3.23E-18	-0.007	0.004	0.138	0.002	75.737	TRUE	1.54E-15
FVC	ARRB2	rs2586527	G	A	-0.064	0.010	0.213	6.84E-11	0.001	0.003	0.645	0.001	42.563	TRUE	7.41E-10
FVC	ARRB2	rs34104097	T	C	-0.268	0.042	0.025	1.92E-10	-0.011	0.013	0.371	0.001	40.549	TRUE	3.97E-09
FVC	ARRB2	rs34994526	G	A	-0.076	0.009	0.294	5.85E-17	-0.003	0.003	0.241	0.002	70.022	TRUE	1.08E-14
FVC	ARRB2	rs35542199	G	A	-0.173	0.031	0.022	3.37E-08	0.008	0.008	0.310	0.001	30.479	TRUE	4.68E-07
FVC	ARRB2	rs4790656	T	C	-0.070	0.013	0.133	2.69E-08	0.000	0.003	0.933	0.001	30.914	TRUE	1.00E-07
FVC	ARRB2	rs4790693	T	C	-0.135	0.014	0.102	3.34E-23	-0.001	0.004	0.813	0.003	98.439	TRUE	2.55E-21

FVC	ARRB2	rs4790694	A	C	-0.232	0.012	0.143	3.63E-83	-0.005	0.003	0.107	0.012	373.246	TRUE	1.88E-73
FVC	ARRB2	rs4790702	G	A	-0.087	0.008	0.468	7.41E-27	0.000	0.002	0.968	0.004	115.113	TRUE	6.33E-25
FVC	ARRB2	rs55670980	T	C	0.194	0.020	0.060	1.06E-21	0.009	0.005	0.060	0.003	91.587	TRUE	3.51E-18
FVC	ARRB2	rs56271859	A	G	-0.149	0.009	0.317	1.32E-64	-0.001	0.003	0.849	0.009	288.032	TRUE	1.90E-59
FVC	ARRB2	rs56376949	T	G	0.600	0.041	0.017	1.99E-47	0.006	0.010	0.569	0.007	209.246	TRUE	4.85E-43
FVC	ARRB2	rs58209386	T	C	-0.082	0.014	0.104	1.03E-08	-0.006	0.004	0.097	0.001	32.790	TRUE	4.04E-07
FVC	ARRB2	rs7215121	A	G	-0.061	0.010	0.384	1.61E-09	0.005	0.002	0.061	0.001	36.390	TRUE	1.25E-07
FVC	ARRB2	rs7218698	G	T	0.142	0.009	0.340	1.78E-62	0.007	0.003	0.008	0.009	278.264	TRUE	5.72E-53
FVC	ARRB2	rs74574706	T	C	0.111	0.014	0.097	4.83E-16	0.004	0.004	0.311	0.002	65.859	TRUE	5.02E-14
FVC	ARRB2	rs76960659	A	G	-0.161	0.025	0.034	1.51E-10	-0.010	0.006	0.080	0.001	41.014	TRUE	1.29E-08
FVC	ARRB2	rs77627231	T	C	-0.099	0.011	0.180	7.08E-21	-0.002	0.003	0.535	0.003	87.840	TRUE	8.63E-19
FVC	ARRB2	rs8076142	C	T	0.204	0.011	0.179	3.74E-73	0.003	0.003	0.271	0.010	327.270	TRUE	1.88E-65
FVC	ARRB2	rs8077825	G	A	-0.064	0.012	0.139	4.73E-08	-0.003	0.003	0.430	0.001	29.823	TRUE	4.63E-07
FVC	ARRB2	rs9894403	A	G	-0.151	0.014	0.105	7.21E-28	0.004	0.004	0.313	0.004	119.734	TRUE	1.12E-24
FVC	ATG5	rs74525730	C	T	-0.082	0.014	0.092	2.64E-09	-0.010	0.004	0.015	0.001	35.434	TRUE	3.94E-07
FVC	ATP13A2	rs11203397	G	A	0.126	0.011	0.170	1.16E-28	-0.002	0.003	0.634	0.004	123.354	TRUE	4.71E-26
FVC	ATP13A2	rs115307529	A	G	0.153	0.024	0.033	3.61E-10	0.006	0.006	0.325	0.001	39.311	TRUE	8.02E-09
FVC	ATP13A2	rs115736587	T	C	-0.196	0.026	0.043	3.43E-14	-0.012	0.004	0.008	0.002	57.468	TRUE	5.01E-11
FVC	ATP13A2	rs14126	A	G	-0.056	0.009	0.286	1.46E-10	-0.008	0.003	0.004	0.001	41.080	TRUE	7.16E-08
FVC	ATP13A2	rs150814450	G	A	-0.236	0.030	0.022	3.76E-15	-0.020	0.007	0.004	0.002	61.820	TRUE	1.20E-11
FVC	ATP13A2	rs189266865	A	C	0.173	0.018	0.054	2.72E-21	0.007	0.007	0.276	0.003	89.729	TRUE	1.16E-18
FVC	ATP13A2	rs2076615	C	A	-0.098	0.009	0.262	5.60E-27	-0.015	0.003	3.45E-08	0.004	115.667	TRUE	8.63E-19
FVC	ATP13A2	rs2501814	T	A	-0.068	0.010	0.263	1.32E-11	-0.009	0.003	9.43E-04	0.001	45.781	TRUE	1.92E-08
FVC	ATP13A2	rs2761502	G	T	0.064	0.012	0.265	3.92E-08	0.001	0.003	0.669	0.001	30.184	TRUE	2.35E-07
FVC	ATP13A2	rs4920605	G	A	-0.163	0.008	0.441	4.36E-93	-0.022	0.002	5.23E-21	0.013	418.816	TRUE	3.28E-65
FVC	ATP2A1	rs4149382	G	A	-0.064	0.011	0.292	7.79E-09	-0.002	0.003	0.440	0.001	33.326	TRUE	9.14E-08
FVC	ATP2A1	rs4788101	T	C	0.090	0.008	0.385	3.74E-28	-0.011	0.002	2.74E-06	0.004	121.037	TRUE	1.05E-20
FVC	ATP2A1	rs74974765	A	G	0.136	0.024	0.055	1.31E-08	-0.012	0.005	0.021	0.001	32.317	TRUE	1.24E-06
FVC	ATP6V1C2	rs1734443	C	T	0.083	0.009	0.484	3.89E-21	0.008	0.002	4.61E-04	0.003	89.025	TRUE	4.96E-16
FVC	ATP6V1C2	rs4668695	C	T	-0.058	0.009	0.390	8.52E-11	-0.005	0.002	0.050	0.001	42.133	TRUE	1.16E-08
FVC	BCL10	rs10873698	G	A	0.249	0.008	0.374	7.34E-206	-0.006	0.002	0.022	0.029	937.321	TRUE	4.38E-181
FVC	BCL10	rs11161581	A	G	0.181	0.011	0.170	8.25E-66	0.007	0.003	0.031	0.009	293.565	TRUE	7.20E-57
FVC	BCL10	rs11161604	T	C	0.156	0.021	0.038	7.03E-14	0.009	0.007	0.222	0.002	56.057	TRUE	6.15E-12
FVC	BCL10	rs1146387	C	T	-0.083	0.010	0.226	4.21E-18	0.001	0.003	0.755	0.002	75.216	TRUE	1.52E-16
FVC	BCL10	rs116057745	G	A	-0.233	0.035	0.016	2.08E-11	-0.015	0.008	0.051	0.001	44.895	TRUE	3.21E-09
FVC	BCL10	rs116192200	T	C	-0.168	0.027	0.026	3.66E-10	0.000	0.008	0.956	0.001	39.283	TRUE	1.76E-09
FVC	BCL10	rs116787392	T	C	0.121	0.018	0.054	9.43E-12	-0.002	0.006	0.668	0.001	46.441	TRUE	1.16E-10
FVC	BCL10	rs140056707	G	T	0.228	0.024	0.031	3.55E-21	0.003	0.007	0.674	0.003	89.206	TRUE	2.85E-19
FVC	BCL10	rs146482999	A	G	-0.233	0.025	0.031	3.58E-21	0.001	0.006	0.940	0.003	89.187	TRUE	1.25E-19
FVC	BCL10	rs1802445	A	G	-0.218	0.025	0.026	3.86E-18	0.009	0.008	0.255	0.002	75.386	TRUE	8.77E-16
FVC	BCL10	rs35240561	G	C	-0.204	0.010	0.179	3.50E-86	0.000	0.003	0.908	0.012	387.095	TRUE	1.92E-79
FVC	BCL10	rs582145	T	C	0.119	0.008	0.408	6.90E-49	0.002	0.002	0.319	0.007	215.942	TRUE	1.13E-43

FVC	BCL10	rs589332	T	C	-0.064	0.010	0.228	6.86E-10	0.000	0.003	0.897	0.001	38.056	TRUE	3.67E-09
FVC	BCL10	rs60423738	A	G	0.363	0.027	0.024	1.06E-41	-0.010	0.008	0.226	0.006	183.017	TRUE	7.36E-37
FVC	BCL10	rs679961	G	A	0.062	0.009	0.323	4.61E-13	-0.008	0.003	0.004	0.002	52.359	TRUE	6.76E-10
FVC	BCL10	rs72722641	C	T	-0.081	0.014	0.088	1.10E-08	-0.003	0.004	0.469	0.001	32.652	TRUE	1.15E-07
FVC	BCL10	rs7540356	G	A	0.128	0.008	0.443	8.36E-58	0.001	0.002	0.841	0.008	256.831	TRUE	3.58E-53
FVC	BCL10	rs7546346	T	C	0.096	0.010	0.197	1.84E-21	0.000	0.003	0.902	0.003	90.503	TRUE	7.64E-20
FVC	BCL10	rs75844775	G	A	0.177	0.023	0.032	3.04E-14	-0.004	0.007	0.536	0.002	57.707	TRUE	9.08E-13
FVC	BCL10	rs77310092	A	G	0.165	0.026	0.030	1.70E-10	-0.007	0.007	0.314	0.001	40.778	TRUE	4.23E-09
FVC	BCL10	rs77754659	A	G	0.118	0.020	0.047	4.47E-09	0.005	0.006	0.433	0.001	34.405	TRUE	5.59E-08
FVC	BCL10	rs79095356	T	C	0.151	0.017	0.058	7.60E-19	-0.003	0.005	0.555	0.002	78.597	TRUE	5.76E-17
FVC	BCL10	rs817462	T	C	-0.087	0.009	0.276	3.48E-22	-0.001	0.003	0.797	0.003	93.801	TRUE	2.34E-20
FVC	BCL2A1	rs1081226	A	G	-0.112	0.018	0.130	1.82E-10	-0.001	0.003	0.759	0.001	40.651	TRUE	1.39E-09
FVC	BCL2A1	rs11855732	A	G	0.126	0.012	0.337	4.99E-24	0.002	0.003	0.399	0.003	102.207	TRUE	2.12E-21
FVC	BCL2A1	rs12102032	C	A	0.151	0.012	0.434	4.21E-37	-0.005	0.002	0.024	0.005	161.956	TRUE	2.89E-31
FVC	BCL2A1	rs150450469	C	T	0.088	0.015	0.396	3.68E-09	-0.001	0.002	0.608	0.001	34.782	TRUE	3.02E-08
FVC	BCL2A1	rs72630421	T	C	-0.359	0.043	0.021	8.92E-17	0.014	0.009	0.097	0.002	69.191	TRUE	4.20E-14
FVC	BCL2A1	rs74025941	G	T	0.160	0.023	0.072	5.54E-12	-0.001	0.005	0.797	0.001	47.483	TRUE	5.30E-11
FVC	BCL2A1	rs8025805	T	A	-0.247	0.016	0.246	9.26E-52	0.002	0.003	0.416	0.007	229.109	TRUE	1.38E-46
FVC	BCL2L1	rs6088962	T	C	-0.074	0.010	0.212	3.99E-13	-0.011	0.003	6.83E-05	0.002	52.647	TRUE	3.88E-09
FVC	BCL2L14	rs1008866	A	G	-0.051	0.009	0.255	1.93E-08	-0.006	0.003	0.040	0.001	31.558	TRUE	1.20E-06
FVC	BCL2L14	rs11054679	T	C	0.063	0.008	0.367	3.59E-14	0.003	0.002	0.161	0.002	57.377	TRUE	5.00E-12
FVC	BCL2L14	rs1641719	T	C	-0.059	0.009	0.252	1.27E-10	-0.003	0.003	0.333	0.001	41.353	TRUE	3.26E-09
FVC	BCL2L14	rs2287154	T	C	0.227	0.009	0.267	9.44E-143	0.007	0.003	0.012	0.020	647.081	TRUE	1.92E-124
FVC	BCL2L14	rs34206364	T	C	-0.088	0.012	0.116	1.32E-12	-0.001	0.004	0.788	0.002	50.299	TRUE	1.47E-11
FVC	BCL2L14	rs73066074	C	T	-0.056	0.008	0.514	5.12E-12	-0.005	0.002	0.032	0.002	47.637	TRUE	1.22E-09
FVC	BCL2L14	rs73066081	T	C	-0.092	0.011	0.150	3.08E-16	-0.002	0.003	0.518	0.002	66.745	TRUE	1.48E-14
FVC	BCL2L14	rs76580236	A	T	0.076	0.012	0.124	9.33E-10	0.008	0.003	0.015	0.001	37.457	TRUE	1.82E-07
FVC	BCL2L14	rs76710498	G	A	0.202	0.022	0.036	4.72E-20	0.020	0.006	6.74E-04	0.003	84.087	TRUE	2.62E-15
FVC	BCL2L14	rs885637	A	G	-0.067	0.009	0.301	1.07E-14	-0.003	0.003	0.177	0.002	59.762	TRUE	1.54E-12
FVC	BID	rs1296819	A	C	-0.053	0.009	0.238	1.16E-08	0.000	0.003	0.899	0.001	32.545	TRUE	4.75E-08
FVC	BID	rs3788279	A	G	0.115	0.008	0.503	7.80E-48	-0.006	0.002	0.013	0.007	211.113	TRUE	2.73E-40
FVC	BID	rs5992835	A	G	0.168	0.024	0.047	1.02E-12	0.004	0.005	0.439	0.002	50.794	TRUE	2.95E-11
FVC	BMP4	rs149196853	A	G	0.206	0.035	0.020	4.24E-09	-0.010	0.009	0.284	0.001	34.506	TRUE	8.26E-08
FVC	BMP4	rs6572937	C	T	-0.080	0.013	0.121	1.00E-09	0.002	0.004	0.548	0.001	37.320	TRUE	1.09E-08
FVC	BMP4	rs8007000	T	C	0.074	0.010	0.191	2.81E-13	-0.007	0.003	0.013	0.002	53.334	TRUE	1.96E-10
FVC	CAPN1	rs10896018	A	G	-0.057	0.009	0.272	1.37E-10	-0.005	0.003	0.056	0.001	41.209	TRUE	1.54E-08
FVC	CAPN1	rs11227408	G	A	0.139	0.020	0.053	1.27E-12	0.011	0.005	0.027	0.002	50.370	TRUE	4.55E-10
FVC	CAPN1	rs11231903	T	C	0.072	0.010	0.309	2.03E-13	-0.006	0.003	0.030	0.002	53.975	TRUE	9.54E-11
FVC	CAPN1	rs11601539	C	A	0.328	0.021	0.045	2.05E-54	-0.005	0.005	0.343	0.008	241.284	TRUE	8.77E-49
FVC	CAPN1	rs117048232	C	T	-0.360	0.019	0.062	2.23E-82	0.004	0.005	0.425	0.012	369.630	TRUE	1.80E-74
FVC	CAPN1	rs117205714	T	C	-0.082	0.014	0.093	1.03E-08	0.006	0.004	0.156	0.001	32.776	TRUE	2.85E-07
FVC	CAPN1	rs117745461	T	C	0.381	0.030	0.023	2.07E-37	-0.008	0.009	0.415	0.005	163.364	TRUE	1.44E-33

FVC	CAPN1	rs1195969	C	T	0.367	0.008	0.465	0.00E+00	-0.007	0.002	0.005	0.058	1933.640	TRUE	0.00E+00
FVC	CAPN1	rs138924467	T	C	-0.155	0.017	0.059	3.02E-20	0.002	0.005	0.663	0.003	84.970	TRUE	2.17E-18
FVC	CAPN1	rs139740204	A	C	-0.255	0.027	0.023	1.10E-20	-0.015	0.007	0.046	0.003	86.973	TRUE	3.53E-17
FVC	CAPN1	rs144104397	T	C	-0.387	0.042	0.021	1.59E-20	0.015	0.010	0.124	0.003	86.235	TRUE	1.59E-17
FVC	CAPN1	rs149072967	G	A	0.271	0.024	0.038	1.38E-30	-0.013	0.007	0.041	0.004	132.150	TRUE	8.67E-26
FVC	CAPN1	rs150195457	A	G	-0.299	0.045	0.018	2.64E-11	0.008	0.009	0.398	0.001	44.427	TRUE	6.16E-10
FVC	CAPN1	rs17307346	C	A	0.070	0.012	0.135	1.22E-08	-0.015	0.004	3.89E-05	0.001	32.458	TRUE	1.24E-05
FVC	CAPN1	rs1784862	A	G	-0.150	0.020	0.050	3.66E-14	0.008	0.005	0.135	0.002	57.341	TRUE	5.75E-12
FVC	CAPN1	rs182850432	G	A	-0.217	0.037	0.030	3.35E-09	-0.014	0.008	0.060	0.001	34.968	TRUE	2.24E-07
FVC	CAPN1	rs2508712	G	C	-0.092	0.009	0.309	1.51E-26	0.001	0.003	0.669	0.004	113.701	TRUE	3.71E-24
FVC	CAPN1	rs2904978	C	T	-0.199	0.010	0.207	1.55E-92	-0.004	0.003	0.127	0.013	416.279	TRUE	5.32E-82
FVC	CAPN1	rs2957154	C	T	0.060	0.010	0.278	4.21E-10	-0.004	0.003	0.218	0.001	39.010	TRUE	1.37E-08
FVC	CAPN1	rs3759046	G	A	0.092	0.010	0.281	2.87E-19	0.002	0.003	0.497	0.003	80.521	TRUE	2.91E-17
FVC	CAPN1	rs4149818	T	C	0.336	0.018	0.054	7.91E-78	-0.003	0.005	0.560	0.011	348.733	TRUE	8.81E-71
FVC	CAPN1	rs4930692	A	G	0.133	0.016	0.078	1.25E-17	-0.007	0.004	0.117	0.002	73.061	TRUE	6.24E-15
FVC	CAPN1	rs566189	C	T	-0.282	0.013	0.108	7.26E-108	0.006	0.004	0.115	0.015	486.719	TRUE	9.70E-96
FVC	CAPN1	rs61895450	G	T	0.259	0.021	0.046	2.58E-34	-0.014	0.006	0.019	0.005	149.197	TRUE	1.13E-28
FVC	CAPN1	rs625652	T	A	0.048	0.008	0.324	1.71E-08	-0.007	0.003	0.003	0.001	31.794	TRUE	3.37E-06
FVC	CAPN1	rs67232843	T	C	0.144	0.013	0.120	6.05E-29	-0.008	0.004	0.047	0.004	124.650	TRUE	1.88E-24
FVC	CAPN1	rs675944	G	A	0.063	0.008	0.520	3.06E-14	-0.004	0.003	0.146	0.002	57.689	TRUE	4.55E-12
FVC	CAPN1	rs7116875	A	G	0.355	0.008	0.422	0.00E+00	-0.006	0.002	0.024	0.061	2069.445	TRUE	0.00E+00
FVC	CAPN1	rs72929012	T	C	0.163	0.026	0.032	1.51E-10	0.001	0.006	0.940	0.001	41.011	TRUE	8.17E-10
FVC	CAPN1	rs72932855	C	A	-0.333	0.027	0.034	2.61E-35	0.007	0.006	0.237	0.005	153.756	TRUE	3.97E-31
FVC	CAPN1	rs76092837	A	G	-0.273	0.031	0.020	2.35E-18	-0.011	0.008	0.179	0.002	76.365	TRUE	8.62E-16
FVC	CAPN1	rs76948736	G	A	-0.334	0.027	0.034	5.12E-36	0.019	0.006	0.003	0.005	156.991	TRUE	2.77E-29
FVC	CAPN1	rs76984126	T	G	-0.151	0.025	0.029	1.21E-09	-0.003	0.007	0.676	0.001	36.955	TRUE	9.72E-09
FVC	CAPN1	rs77231260	C	T	0.164	0.025	0.031	9.02E-11	0.013	0.006	0.032	0.001	42.022	TRUE	1.55E-08
FVC	CAPN1	rs77725975	G	A	0.379	0.023	0.035	7.06E-62	-0.010	0.006	0.100	0.009	275.515	TRUE	2.86E-54
FVC	CAPN1	rs78752645	T	C	-0.409	0.068	0.013	1.78E-09	0.003	0.011	0.814	0.001	36.197	TRUE	1.03E-08
FVC	CAPN1	rs78922422	A	G	0.305	0.020	0.049	6.66E-53	-0.003	0.005	0.528	0.007	234.350	TRUE	6.29E-48
FVC	CAPN1	rs7940559	A	G	-0.139	0.009	0.325	8.74E-60	0.007	0.003	0.006	0.008	265.915	TRUE	1.85E-50
FVC	CASP8	rs10931945	T	C	-0.068	0.008	0.469	3.61E-17	-0.001	0.002	0.703	0.002	70.973	TRUE	1.20E-15
FVC	CASP8	rs112222310	G	A	-0.102	0.009	0.266	1.05E-29	0.001	0.003	0.843	0.004	128.120	TRUE	2.27E-27
FVC	CASP8	rs1135266	T	C	0.124	0.016	0.079	9.94E-15	0.006	0.004	0.158	0.002	59.905	TRUE	1.65E-12
FVC	CASP8	rs114789134	T	G	-0.276	0.019	0.049	5.12E-49	0.003	0.005	0.535	0.007	216.536	TRUE	2.10E-44
FVC	CASP8	rs11888596	T	C	-0.045	0.008	0.479	1.35E-08	-0.003	0.002	0.208	0.001	32.251	TRUE	2.94E-07
FVC	CASP8	rs1208082	A	C	0.093	0.009	0.274	2.41E-25	0.004	0.003	0.123	0.003	108.212	TRUE	8.72E-22
FVC	CASP8	rs12613052	C	T	-0.071	0.008	0.383	6.20E-18	-0.005	0.002	0.028	0.002	74.451	TRUE	1.44E-14
FVC	CASP8	rs187743353	T	C	0.316	0.044	0.022	6.47E-13	-0.003	0.008	0.756	0.002	51.696	TRUE	8.23E-12
FVC	CASP8	rs1914260	G	A	-0.139	0.010	0.201	6.46E-44	-0.003	0.003	0.347	0.006	193.158	TRUE	2.81E-39
FVC	CASP8	rs28368955	T	C	-0.098	0.011	0.167	6.16E-20	-0.002	0.003	0.524	0.003	83.560	TRUE	6.35E-18
FVC	CASP8	rs35482569	G	A	0.046	0.008	0.364	2.32E-08	0.001	0.003	0.790	0.001	31.201	TRUE	1.16E-07

FVC	CASP8	rs35620793	G	A	-0.170	0.019	0.051	6.72E-20	-0.001	0.005	0.923	0.003	83.389	TRUE	1.94E-18
FVC	CASP8	rs41372848	T	C	-0.121	0.020	0.044	8.29E-10	0.006	0.005	0.274	0.001	37.687	TRUE	2.00E-08
FVC	CASP8	rs56225831	T	C	0.134	0.020	0.045	1.72E-11	-0.002	0.006	0.746	0.001	45.266	TRUE	1.72E-10
FVC	CASP8	rs56365779	G	T	0.150	0.014	0.084	2.97E-25	-0.006	0.004	0.139	0.003	107.795	TRUE	9.20E-22
FVC	CASP8	rs59677955	A	T	0.158	0.025	0.030	2.46E-10	-0.004	0.009	0.649	0.001	40.056	TRUE	2.41E-09
FVC	CASP8	rs7560328	A	C	-0.212	0.008	0.394	7.38E-152	0.005	0.002	0.033	0.021	688.957	TRUE	1.67E-133
FVC	CASP8	rs7603014	G	T	0.154	0.014	0.089	2.24E-28	-0.007	0.004	0.111	0.004	122.056	TRUE	2.05E-24
FVC	CASP8	rs77249938	T	C	-0.132	0.021	0.042	3.69E-10	0.004	0.007	0.617	0.001	39.268	TRUE	3.78E-09
FVC	CASP8	rs78404560	T	C	-0.301	0.052	0.015	6.38E-09	-0.001	0.010	0.961	0.001	33.715	TRUE	2.47E-08
FVC	CASP8AP2	rs72919981	C	T	-0.124	0.018	0.126	3.71E-12	-0.007	0.004	0.038	0.002	48.271	TRUE	9.28E-10
FVC	CBL	rs11217241	T	C	-0.189	0.022	0.099	2.07E-17	-0.004	0.005	0.477	0.002	72.069	TRUE	1.52E-15
FVC	CBL	rs112233726	A	G	0.195	0.036	0.035	4.21E-08	-0.001	0.006	0.821	0.001	30.051	TRUE	1.85E-07
FVC	CBL	rs117431399	G	T	-0.558	0.061	0.016	6.80E-20	0.011	0.009	0.223	0.003	83.366	TRUE	2.78E-17
FVC	CBL	rs1784304	A	C	0.083	0.014	0.253	4.54E-09	-0.001	0.003	0.791	0.001	34.375	TRUE	2.51E-08
FVC	CBL	rs1918	C	T	0.190	0.033	0.040	1.24E-08	-0.004	0.006	0.493	0.001	32.424	TRUE	1.19E-07
FVC	CBL	rs2155380	G	A	-0.315	0.013	0.294	4.72E-135	0.007	0.003	0.005	0.019	611.683	TRUE	9.14E-117
FVC	CBL	rs2509656	A	G	0.145	0.019	0.131	1.06E-13	-0.001	0.003	0.689	0.002	55.248	TRUE	1.80E-12
FVC	CBL	rs2511842	T	C	-0.542	0.054	0.017	1.69E-23	0.016	0.008	0.054	0.003	99.790	TRUE	9.98E-20
FVC	CBL	rs616314	A	T	0.121	0.016	0.159	6.58E-14	0.003	0.003	0.345	0.002	56.187	TRUE	3.42E-12
FVC	CBL	rs674424	T	C	0.104	0.014	0.249	2.55E-14	0.002	0.003	0.466	0.002	58.052	TRUE	9.94E-13
FVC	CBL	rs73001395	T	C	0.196	0.021	0.105	4.50E-20	0.000	0.004	0.974	0.003	84.183	TRUE	1.14E-18
FVC	CBL	rs77638281	A	G	-0.216	0.033	0.034	3.36E-11	0.001	0.006	0.820	0.001	43.952	TRUE	2.66E-10
FVC	CDH1	rs111839434	A	G	0.097	0.014	0.096	5.83E-12	0.002	0.004	0.649	0.001	47.384	TRUE	8.03E-11
FVC	CDH1	rs11641710	A	G	-0.063	0.009	0.266	8.84E-12	0.002	0.003	0.548	0.001	46.567	TRUE	1.53E-10
FVC	CDH1	rs11642362	T	C	-0.229	0.008	0.431	2.09E-183	-0.006	0.002	0.020	0.026	834.035	TRUE	4.15E-161
FVC	CDH1	rs11649335	T	C	0.059	0.010	0.213	1.13E-09	0.002	0.003	0.455	0.001	37.081	TRUE	1.56E-08
FVC	CDH1	rs117752475	A	G	0.186	0.032	0.020	7.22E-09	0.006	0.009	0.502	0.001	33.473	TRUE	7.26E-08
FVC	CDH1	rs118073306	A	G	0.322	0.023	0.032	2.32E-43	0.000	0.006	0.946	0.006	190.616	TRUE	4.00E-40
FVC	CDH1	rs144585107	T	C	-0.241	0.015	0.087	5.53E-61	0.001	0.004	0.898	0.008	271.413	TRUE	2.90E-56
FVC	CDH1	rs145118278	G	A	-0.172	0.024	0.034	1.15E-12	-0.009	0.008	0.247	0.002	50.563	TRUE	6.63E-11
FVC	CDH1	rs1868157	G	C	-0.073	0.008	0.419	1.03E-19	0.003	0.002	0.295	0.003	82.539	TRUE	2.69E-17
FVC	CDH1	rs34494880	A	G	0.127	0.015	0.075	7.22E-17	0.006	0.004	0.185	0.002	69.608	TRUE	1.71E-14
FVC	CDH1	rs36085011	A	G	0.155	0.023	0.033	1.25E-11	-0.002	0.006	0.747	0.001	45.884	TRUE	1.28E-10
FVC	CDH1	rs4783573	G	A	0.109	0.009	0.332	6.32E-35	0.002	0.003	0.431	0.005	151.994	TRUE	2.54E-31
FVC	CDH1	rs55643128	G	A	0.069	0.011	0.168	1.33E-10	0.000	0.003	0.962	0.001	41.268	TRUE	6.68E-10
FVC	CDH1	rs55817359	G	A	0.163	0.022	0.036	1.12E-13	-0.007	0.006	0.261	0.002	55.136	TRUE	7.81E-12
FVC	CDH1	rs7200932	G	C	-0.064	0.011	0.175	9.55E-10	-0.008	0.003	0.009	0.001	37.413	TRUE	2.34E-07
FVC	CDH1	rs73596542	T	A	0.120	0.020	0.042	2.00E-09	0.001	0.006	0.876	0.001	35.976	TRUE	1.01E-08
FVC	CDH1	rs74025341	G	A	0.083	0.013	0.115	2.52E-11	-0.003	0.004	0.488	0.001	44.518	TRUE	4.73E-10
FVC	CDH1	rs75130703	T	C	-0.142	0.018	0.057	3.63E-15	-0.010	0.006	0.109	0.002	61.886	TRUE	9.38E-13
FVC	CDH1	rs75158225	A	G	-0.181	0.026	0.031	1.73E-12	0.009	0.009	0.287	0.002	49.770	TRUE	8.04E-11
FVC	CDH1	rs79172247	G	C	-0.194	0.022	0.049	2.97E-19	-0.008	0.006	0.167	0.003	80.456	TRUE	1.51E-16

FVC	CDH1	rs8059087	C	T	-0.167	0.029	0.023	1.01E-08	0.004	0.007	0.583	0.001	32.817	TRUE	8.11E-08
FVC	CDIP1	rs4785965	G	A	0.111	0.011	0.268	5.04E-24	0.010	0.003	1.03E-04	0.003	102.186	TRUE	3.56E-18
FVC	CDKN2D	rs117717044	T	C	-1.457	0.137	0.013	2.07E-26	0.007	0.016	0.656	0.004	113.070	TRUE	5.02E-24
FVC	CDKN2D	rs11883423	G	A	-0.100	0.009	0.335	2.46E-27	-0.005	0.003	0.037	0.004	117.298	TRUE	6.49E-23
FVC	CDKN2D	rs190740393	C	T	-0.087	0.016	0.089	3.59E-08	-0.002	0.004	0.710	0.001	30.356	TRUE	2.01E-07
FVC	CDKN2D	rs34457396	G	T	-0.127	0.018	0.059	1.29E-12	-0.006	0.005	0.216	0.002	50.338	TRUE	8.55E-11
FVC	CDKN2D	rs4804510	A	G	-0.065	0.009	0.369	5.18E-13	-0.005	0.003	0.067	0.002	52.131	TRUE	1.04E-10
FVC	CDKN2D	rs62131898	G	A	0.114	0.014	0.132	1.25E-16	0.001	0.004	0.798	0.002	68.518	TRUE	2.85E-15
FVC	CDKN2D	rs8106542	C	T	0.065	0.010	0.200	5.15E-11	0.006	0.003	0.029	0.001	43.115	TRUE	1.07E-08
FVC	CDKN2D	rs8108051	C	T	0.161	0.009	0.458	3.71E-80	0.005	0.002	0.032	0.011	359.430	TRUE	1.54E-69
FVC	CHMP4B	rs117487769	G	A	-0.188	0.030	0.022	1.95E-10	0.004	0.008	0.617	0.001	40.511	TRUE	2.08E-09
FVC	CHMP4B	rs117572541	T	C	0.381	0.032	0.019	1.67E-33	-0.030	0.008	2.03E-04	0.005	145.488	TRUE	3.13E-26
FVC	CHMP4B	rs117763311	T	C	-0.136	0.023	0.032	3.98E-09	-0.009	0.008	0.278	0.001	34.633	TRUE	7.85E-08
FVC	CHMP4B	rs117879275	C	A	-0.208	0.028	0.026	2.32E-13	0.010	0.008	0.205	0.002	53.708	TRUE	1.97E-11
FVC	CHMP4B	rs117967773	A	G	-0.153	0.010	0.184	1.04E-50	0.006	0.003	0.073	0.007	224.294	TRUE	5.51E-44
FVC	CHMP4B	rs1205339	G	A	0.087	0.011	0.172	1.55E-16	0.010	0.003	4.90E-04	0.002	68.100	TRUE	2.37E-12
FVC	CHMP4B	rs137942933	T	G	0.382	0.033	0.022	3.93E-31	0.030	0.008	1.82E-04	0.004	134.644	TRUE	3.42E-24
FVC	CHMP4B	rs138440819	A	G	0.155	0.026	0.031	2.08E-09	0.011	0.006	0.069	0.001	35.899	TRUE	1.31E-07
FVC	CHMP4B	rs141314118	A	G	0.228	0.031	0.023	3.09E-13	-0.006	0.008	0.454	0.002	53.147	TRUE	9.49E-12
FVC	CHMP4B	rs145989066	A	C	-0.159	0.023	0.038	1.12E-11	-0.008	0.007	0.219	0.001	46.113	TRUE	5.59E-10
FVC	CHMP4B	rs147017801	C	T	-0.209	0.025	0.028	1.37E-16	0.006	0.007	0.405	0.002	68.349	TRUE	1.09E-14
FVC	CHMP4B	rs169797	G	A	0.153	0.009	0.282	2.75E-68	0.000	0.003	0.931	0.010	304.929	TRUE	4.67E-63
FVC	CHMP4B	rs1891869	A	G	0.134	0.016	0.067	3.18E-16	0.012	0.004	0.005	0.002	66.683	TRUE	1.23E-12
FVC	CHMP4B	rs2064339	A	G	0.140	0.021	0.048	8.22E-12	-0.002	0.006	0.762	0.001	46.709	TRUE	8.23E-11
FVC	CHMP4B	rs2092478	G	C	-0.155	0.008	0.393	1.26E-79	0.001	0.003	0.620	0.011	356.985	TRUE	1.28E-72
FVC	CHMP4B	rs2626554	A	G	0.329	0.008	0.486	0.00E+00	0.008	0.002	0.002	0.053	1788.572	TRUE	0.00E+00
FVC	CHMP4B	rs34808007	T	C	0.344	0.015	0.082	9.23E-124	0.011	0.004	0.006	0.017	559.777	TRUE	8.18E-107
FVC	CHMP4B	rs34919557	T	C	-0.141	0.013	0.096	1.20E-25	-0.005	0.004	0.243	0.003	109.585	TRUE	1.80E-22
FVC	CHMP4B	rs6057927	A	G	-0.123	0.010	0.219	1.83E-37	-0.002	0.003	0.552	0.005	163.610	TRUE	6.36E-34
FVC	CHMP4B	rs6087524	T	C	-0.299	0.010	0.193	7.52E-199	-0.012	0.003	5.56E-04	0.028	905.077	TRUE	5.99E-171
FVC	CHMP4B	rs6088092	C	T	0.044	0.008	0.409	4.86E-08	0.002	0.002	0.390	0.001	29.768	TRUE	5.02E-07
FVC	CHMP4B	rs6088114	A	G	0.068	0.011	0.165	2.74E-10	-0.006	0.003	0.063	0.001	39.847	TRUE	2.47E-08
FVC	CHMP4B	rs6088181	A	C	0.074	0.008	0.376	3.43E-18	0.007	0.003	0.004	0.002	75.619	TRUE	3.01E-14
FVC	CHMP4B	rs6088426	A	G	-0.141	0.013	0.111	2.79E-26	-0.006	0.004	0.172	0.004	112.480	TRUE	8.12E-23
FVC	CHMP4B	rs6119406	G	A	-0.277	0.039	0.016	1.59E-12	0.005	0.012	0.666	0.002	49.931	TRUE	2.32E-11
FVC	CHMP4B	rs6142034	A	G	-0.236	0.011	0.157	1.03E-104	0.001	0.003	0.821	0.015	472.245	TRUE	4.06E-96
FVC	CHMP4B	rs7268203	C	T	-0.222	0.016	0.066	2.36E-43	-0.007	0.005	0.157	0.006	190.576	TRUE	4.96E-38
FVC	CHMP4B	rs7268701	C	T	-0.050	0.008	0.492	5.93E-10	0.005	0.002	0.034	0.001	38.341	TRUE	7.30E-08
FVC	CHMP4B	rs73119166	G	A	0.403	0.038	0.015	3.28E-26	-0.033	0.010	0.002	0.004	112.162	TRUE	1.02E-20
FVC	CHMP4B	rs74404666	G	T	0.213	0.035	0.017	7.80E-10	0.000	0.008	0.967	0.001	37.808	TRUE	3.47E-09
FVC	CHMP4B	rs74778497	A	G	0.153	0.019	0.056	1.81E-15	0.004	0.005	0.362	0.002	63.255	TRUE	1.31E-13
FVC	CHMP4B	rs76625538	C	T	-0.311	0.023	0.034	8.62E-42	-0.002	0.008	0.798	0.006	183.422	TRUE	2.16E-38

FVC	CHMP4B	rs79047848	T	C	-0.144	0.024	0.031	3.34E-09	-0.009	0.007	0.218	0.001	34.971	TRUE	8.52E-08
FVC	CHMP4B	rs79881952	A	G	0.187	0.020	0.044	4.98E-21	0.004	0.006	0.420	0.003	88.535	TRUE	9.88E-19
FVC	CHUK	rs148211064	T	C	0.467	0.038	0.016	1.69E-35	-0.029	0.010	0.003	0.005	154.615	TRUE	6.34E-29
FVC	CHUK	rs2804405	A	G	0.053	0.008	0.406	7.41E-11	0.002	0.002	0.378	0.001	42.406	TRUE	1.64E-09
FVC	CHUK	rs6584351	G	A	0.081	0.008	0.469	1.93E-24	-0.001	0.002	0.761	0.003	104.086	TRUE	2.11E-22
FVC	CISD2	rs111791762	A	G	-0.122	0.017	0.066	5.56E-13	-0.001	0.004	0.856	0.002	51.992	TRUE	5.64E-12
FVC	CISD2	rs113360567	T	C	-0.169	0.016	0.067	1.77E-26	0.013	0.004	0.002	0.004	113.386	TRUE	5.47E-21
FVC	CISD2	rs141190853	T	C	0.111	0.018	0.066	3.54E-10	-0.001	0.005	0.802	0.001	39.348	TRUE	2.40E-09
FVC	CISD2	rs1598858	G	A	-0.066	0.008	0.332	4.40E-15	0.000	0.003	0.977	0.002	61.509	TRUE	4.84E-14
FVC	CISD2	rs17254507	C	T	-0.304	0.030	0.021	6.43E-25	0.005	0.008	0.539	0.003	106.265	TRUE	1.83E-22
FVC	CISD2	rs230547	T	C	0.084	0.014	0.091	1.28E-09	0.000	0.004	0.937	0.001	36.842	TRUE	5.79E-09
FVC	CISD2	rs28871712	C	T	-0.072	0.008	0.463	1.35E-19	0.000	0.002	0.860	0.003	82.006	TRUE	4.39E-18
FVC	CISD2	rs6822658	G	T	-0.194	0.008	0.480	1.01E-117	0.006	0.002	0.010	0.017	532.023	TRUE	4.30E-102
FVC	CISD2	rs74819220	C	T	-0.107	0.018	0.051	4.72E-09	0.010	0.006	0.082	0.001	34.297	TRUE	2.38E-07
FVC	DDX47	rs1010878	A	G	0.078	0.009	0.247	4.08E-17	0.006	0.003	0.015	0.002	70.734	TRUE	9.28E-14
FVC	DDX47	rs7956578	T	C	-0.046	0.008	0.446	1.37E-08	0.003	0.002	0.214	0.001	32.233	TRUE	3.01E-07
FVC	DEDD2	rs8108096	C	T	0.093	0.014	0.096	8.24E-11	-0.014	0.004	4.71E-04	0.001	42.198	TRUE	1.16E-07
FVC	DEPDC5	rs13053547	A	G	0.098	0.014	0.107	2.60E-12	-0.005	0.004	0.242	0.002	48.966	TRUE	1.39E-10
FVC	DEPDC5	rs135110	G	A	-0.070	0.008	0.397	7.17E-18	0.002	0.002	0.375	0.002	74.165	TRUE	8.31E-16
FVC	DEPDC5	rs148162539	G	A	-0.243	0.030	0.019	4.72E-16	0.012	0.008	0.164	0.002	65.905	TRUE	1.08E-13
FVC	DEPDC5	rs149579889	A	G	0.159	0.020	0.060	1.30E-15	-0.002	0.004	0.565	0.002	63.916	TRUE	4.66E-14
FVC	DEPDC5	rs2413027	T	A	0.063	0.008	0.366	1.95E-14	-0.001	0.002	0.813	0.002	58.577	TRUE	2.94E-13
FVC	DEPDC5	rs5749334	A	C	0.149	0.008	0.456	5.95E-78	-0.008	0.002	0.001	0.011	349.300	TRUE	1.80E-65
FVC	DEPDC5	rs5749396	T	C	0.057	0.008	0.406	1.95E-12	-0.002	0.002	0.357	0.002	49.528	TRUE	6.83E-11
FVC	DEPDC5	rs5753760	C	T	-0.098	0.017	0.063	1.02E-08	0.008	0.005	0.080	0.001	32.799	TRUE	4.64E-07
FVC	DEPDC5	rs5994416	C	T	-0.156	0.013	0.108	4.08E-34	0.012	0.004	0.002	0.005	148.288	TRUE	1.68E-27
FVC	DEPDC5	rs5994430	T	C	-0.068	0.011	0.147	1.39E-09	-0.003	0.003	0.327	0.001	36.688	TRUE	2.72E-08
FVC	DEPDC5	rs5994499	T	C	-0.099	0.016	0.064	1.08E-09	0.003	0.005	0.538	0.001	37.176	TRUE	1.18E-08
FVC	DEPDC5	rs7292721	T	C	-0.056	0.008	0.433	3.63E-12	0.001	0.002	0.669	0.002	48.311	TRUE	4.83E-11
FVC	DEPDC5	rs75783805	T	C	-0.099	0.017	0.061	3.03E-09	-0.003	0.005	0.587	0.001	35.160	TRUE	2.75E-08
FVC	DEPDC5	rs76027595	G	A	0.118	0.021	0.038	3.65E-08	0.007	0.006	0.244	0.001	30.323	TRUE	6.19E-07
FVC	DEPDC5	rs9609397	G	T	-0.099	0.015	0.075	7.77E-11	-0.004	0.005	0.420	0.001	42.312	TRUE	1.53E-09
FVC	DEPTOR	rs10283100	A	G	0.140	0.019	0.058	3.21E-13	-0.028	0.005	3.92E-08	0.002	53.073	TRUE	3.18E-08
FVC	DEPTOR	rs117257206	A	G	-0.091	0.015	0.091	2.07E-09	-0.001	0.005	0.833	0.001	35.904	TRUE	1.11E-08
FVC	DEPTOR	rs1467044	G	A	-0.202	0.009	0.489	3.95E-122	0.005	0.002	0.029	0.017	552.283	TRUE	5.62E-107
FVC	DEPTOR	rs147626496	A	G	0.236	0.040	0.020	3.31E-09	0.011	0.014	0.457	0.001	34.990	TRUE	3.98E-08
FVC	DEPTOR	rs2063284	G	A	-0.136	0.010	0.232	3.10E-40	0.001	0.003	0.850	0.006	176.300	TRUE	4.52E-37
FVC	DEPTOR	rs28570063	A	G	-0.146	0.025	0.032	5.93E-09	-0.003	0.007	0.649	0.001	33.854	TRUE	4.37E-08
FVC	DEPTOR	rs57411572	C	T	-0.141	0.016	0.078	2.87E-18	0.006	0.005	0.201	0.002	75.970	TRUE	8.72E-16
FVC	DEPTOR	rs62526560	G	A	0.162	0.018	0.082	9.17E-20	-0.004	0.004	0.418	0.003	82.775	TRUE	1.42E-17
FVC	DEPTOR	rs62528695	T	C	-0.218	0.033	0.019	5.25E-11	-0.015	0.009	0.112	0.001	43.078	TRUE	3.94E-09
FVC	DEPTOR	rs7017581	G	A	-0.068	0.009	0.488	4.82E-15	0.006	0.002	0.008	0.002	61.327	TRUE	8.81E-12

FVC	DEPTOR	rs74759746	A	G	0.105	0.019	0.065	4.99E-08	0.003	0.005	0.508	0.001	29.718	TRUE	4.06E-07
FVC	DEPTOR	rs78898975	C	T	-0.233	0.040	0.015	4.72E-09	0.004	0.009	0.686	0.001	34.298	TRUE	3.24E-08
FVC	DIABLO	rs10847242	T	G	-0.068	0.009	0.368	4.85E-14	-0.005	0.002	0.029	0.002	56.788	TRUE	2.86E-11
FVC	DIABLO	rs11615433	C	T	0.075	0.013	0.121	2.25E-08	0.014	0.004	7.41E-05	0.001	31.266	TRUE	1.66E-05
FVC	DIABLO	rs12870	T	C	0.142	0.009	0.440	5.96E-60	0.008	0.002	6.57E-04	0.008	266.678	TRUE	1.88E-49
FVC	DIABLO	rs28384349	G	C	0.066	0.012	0.207	1.03E-08	0.001	0.003	0.872	0.001	32.780	TRUE	4.62E-08
FVC	DIABLO	rs61954254	A	G	0.063	0.011	0.188	1.48E-08	0.004	0.003	0.241	0.001	32.083	TRUE	2.95E-07
FVC	DIABLO	rs7302430	A	G	-0.093	0.011	0.189	1.07E-16	-0.004	0.003	0.198	0.002	68.829	TRUE	2.33E-14
FVC	DIDO1	rs111387524	A	G	0.128	0.021	0.082	1.47E-09	0.006	0.005	0.184	0.001	36.576	TRUE	4.78E-08
FVC	DIDO1	rs12479676	G	A	-0.126	0.017	0.118	3.56E-14	0.004	0.004	0.316	0.002	57.395	TRUE	2.23E-12
FVC	DIDO1	rs13040088	G	A	-0.276	0.010	0.213	3.47E-153	0.008	0.003	0.009	0.021	695.056	TRUE	1.81E-133
FVC	DIDO1	rs140344223	A	G	-0.208	0.030	0.027	9.19E-12	0.011	0.007	0.127	0.001	46.490	TRUE	7.85E-10
FVC	DIDO1	rs150395532	T	C	-0.298	0.045	0.017	2.76E-11	-0.017	0.009	0.044	0.001	44.337	TRUE	4.54E-09
FVC	DIDO1	rs2427484	G	A	-0.085	0.012	0.351	8.27E-13	0.000	0.003	0.934	0.002	51.213	TRUE	6.64E-12
FVC	DIDO1	rs35575634	T	C	-0.174	0.023	0.048	1.85E-14	0.005	0.005	0.289	0.002	58.678	TRUE	1.39E-12
FVC	DIDO1	rs3746751	C	T	-0.086	0.010	0.287	2.95E-16	0.003	0.003	0.265	0.002	66.830	TRUE	3.60E-14
FVC	DIDO1	rs41304830	A	G	0.258	0.045	0.021	1.34E-08	-0.016	0.008	0.037	0.001	32.265	TRUE	9.58E-07
FVC	DIDO1	rs4809446	A	G	-0.137	0.024	0.056	2.17E-08	0.003	0.005	0.571	0.001	31.336	TRUE	1.64E-07
FVC	DIDO1	rs6011431	G	A	-0.086	0.011	0.466	6.17E-16	0.003	0.002	0.222	0.002	65.379	TRUE	9.91E-14
FVC	DIDO1	rs71325414	G	A	0.160	0.021	0.072	1.26E-14	-0.007	0.004	0.097	0.002	59.440	TRUE	3.08E-12
FVC	DIDO1	rs73157316	T	C	-0.279	0.038	0.038	2.04E-13	0.010	0.006	0.068	0.002	53.963	TRUE	4.84E-11
FVC	DIDO1	rs73619441	G	T	0.073	0.013	0.155	8.71E-09	0.006	0.003	0.105	0.001	33.109	TRUE	3.40E-07
FVC	DIDO1	rs8114983	G	T	-0.058	0.011	0.440	4.54E-08	0.001	0.002	0.781	0.001	29.904	TRUE	2.17E-07
FVC	DIDO1	rs8122196	A	G	-0.158	0.015	0.112	9.77E-26	-0.007	0.004	0.042	0.003	110.001	TRUE	1.42E-21
FVC	DNM1L	rs10844260	C	T	0.061	0.009	0.325	1.94E-12	-0.002	0.003	0.447	0.002	49.539	TRUE	5.12E-11
FVC	DNM1L	rs11052049	C	G	0.142	0.017	0.060	2.21E-16	0.006	0.005	0.244	0.002	67.400	TRUE	3.38E-14
FVC	DNM1L	rs12579125	A	G	0.159	0.010	0.258	2.41E-59	0.002	0.003	0.341	0.008	263.896	TRUE	2.78E-53
FVC	DNM1L	rs12825217	T	C	0.070	0.011	0.149	8.54E-10	-0.004	0.004	0.319	0.001	37.631	TRUE	1.77E-08
FVC	DNM1L	rs147399163	A	G	-0.287	0.044	0.017	8.63E-11	0.010	0.013	0.434	0.001	42.107	TRUE	1.60E-09
FVC	DNM1L	rs2088809	T	C	0.049	0.008	0.430	1.69E-09	-0.001	0.002	0.796	0.001	36.301	TRUE	9.99E-09
FVC	DNM1L	rs2177704	C	T	0.147	0.018	0.057	2.16E-16	-0.002	0.005	0.637	0.002	67.446	TRUE	7.68E-15
FVC	DNM1L	rs3600	T	C	-0.230	0.013	0.113	6.61E-73	0.008	0.004	0.026	0.010	326.136	TRUE	5.17E-63
FVC	DNM1L	rs73299916	C	A	0.095	0.016	0.069	2.92E-09	0.004	0.005	0.406	0.001	35.231	TRUE	4.02E-08
FVC	DNM1L	rs78346880	T	G	-0.223	0.036	0.016	4.06E-10	0.000	0.009	0.975	0.001	39.080	TRUE	1.88E-09
FVC	EMC2	rs13273665	C	G	0.097	0.011	0.205	1.21E-18	-0.002	0.003	0.612	0.002	77.671	TRUE	7.43E-17
FVC	EMC2	rs3019381	G	A	-0.076	0.011	0.195	3.43E-11	0.010	0.003	2.75E-04	0.001	43.914	TRUE	7.81E-08
FVC	EMC2	rs71524796	T	C	-0.212	0.028	0.027	3.03E-14	0.011	0.007	0.094	0.002	57.711	TRUE	7.07E-12
FVC	EMC2	rs957716	C	G	-0.143	0.009	0.384	2.26E-55	0.007	0.002	0.007	0.008	245.670	TRUE	1.33E-46
FVC	EP300	rs111355898	A	G	-0.221	0.014	0.107	7.65E-57	0.002	0.004	0.513	0.008	252.416	TRUE	1.62E-51
FVC	EP300	rs112045239	A	G	0.079	0.013	0.102	2.01E-09	-0.002	0.004	0.695	0.001	35.959	TRUE	1.48E-08
FVC	EP300	rs116856246	A	G	-0.225	0.035	0.018	1.97E-10	0.012	0.010	0.221	0.001	40.498	TRUE	6.87E-09
FVC	EP300	rs116962367	G	A	0.233	0.030	0.021	5.30E-15	-0.021	0.008	0.011	0.002	61.142	TRUE	8.34E-12

FVC	EP300	rs117072685	A	G	0.218	0.022	0.040	3.99E-23	-0.015	0.007	0.022	0.003	98.087	TRUE	5.21E-19
FVC	EP300	rs117389145	A	G	-0.179	0.021	0.047	3.21E-17	0.000	0.006	0.988	0.002	71.205	TRUE	4.86E-16
FVC	EP300	rs117597170	A	G	0.264	0.026	0.030	1.28E-24	-0.008	0.006	0.187	0.003	104.904	TRUE	2.16E-21
FVC	EP300	rs117705111	A	G	0.252	0.025	0.029	3.23E-23	-0.002	0.007	0.743	0.003	98.504	TRUE	3.12E-21
FVC	EP300	rs118070243	C	A	-0.199	0.026	0.030	4.25E-14	-0.001	0.007	0.824	0.002	57.044	TRUE	5.61E-13
FVC	EP300	rs13058113	T	G	0.245	0.009	0.269	9.63E-169	-0.006	0.003	0.030	0.024	766.599	TRUE	1.32E-148
FVC	EP300	rs133077	T	C	-0.109	0.008	0.361	1.30E-39	-0.001	0.003	0.561	0.005	173.447	TRUE	6.25E-36
FVC	EP300	rs138330	C	G	-0.172	0.031	0.023	3.49E-08	-0.011	0.007	0.138	0.001	30.413	TRUE	9.34E-07
FVC	EP300	rs142143747	A	G	-0.190	0.023	0.037	6.71E-17	-0.002	0.006	0.791	0.002	69.751	TRUE	1.66E-15
FVC	EP300	rs184725464	A	G	0.248	0.028	0.026	2.00E-19	0.001	0.009	0.890	0.003	81.236	TRUE	5.94E-18
FVC	EP300	rs2235851	A	G	-0.096	0.010	0.181	1.87E-20	-0.003	0.003	0.311	0.003	85.919	TRUE	5.67E-18
FVC	EP300	rs71327105	G	T	-0.127	0.020	0.050	1.55E-10	0.003	0.005	0.539	0.001	40.968	TRUE	2.06E-09
FVC	EP300	rs75066103	G	T	0.236	0.026	0.030	9.03E-20	-0.001	0.007	0.850	0.003	82.805	TRUE	3.21E-18
FVC	EP300	rs76653253	T	C	0.177	0.024	0.032	6.16E-14	-0.006	0.006	0.334	0.002	56.315	TRUE	3.40E-12
FVC	EP300	rs9611560	T	C	-0.127	0.009	0.232	2.70E-41	0.001	0.003	0.785	0.006	181.149	TRUE	6.37E-38
FVC	ERBB3	rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	-0.007	0.002	0.003	0.013	424.916	TRUE	1.80E-80
FVC	ERBB3	rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	-0.004	0.005	0.425	0.002	50.140	TRUE	4.06E-11
FVC	ERBB3	rs150823486	A	G	0.124	0.022	0.045	9.57E-09	0.008	0.005	0.137	0.001	32.925	TRUE	3.08E-07
FVC	ERBB3	rs773662	C	T	-0.091	0.015	0.075	2.12E-09	0.004	0.004	0.291	0.001	35.856	TRUE	4.27E-08
FVC	ERCC4	rs3136038	T	C	0.051	0.008	0.324	1.76E-09	-0.006	0.003	0.015	0.001	36.224	TRUE	2.71E-07
FVC	ERN1	rs11870905	C	A	-0.292	0.040	0.037	3.33E-13	-0.017	0.007	0.021	0.002	52.998	TRUE	1.77E-10
FVC	ERN1	rs11871891	T	C	0.094	0.009	0.319	1.16E-27	0.003	0.003	0.278	0.004	118.789	TRUE	2.40E-24
FVC	ERN1	rs145340805	A	G	-0.320	0.037	0.016	9.10E-18	-0.004	0.008	0.636	0.002	73.694	TRUE	4.18E-16
FVC	ERN1	rs148935915	T	G	-0.389	0.040	0.015	5.87E-22	-0.015	0.009	0.112	0.003	92.766	TRUE	9.80E-19
FVC	ERN1	rs16947425	A	C	-0.412	0.011	0.154	0.00E+00	-0.007	0.003	0.032	0.044	1458.909	TRUE	2.41E-282
FVC	ERN1	rs3088093	A	G	0.091	0.012	0.126	4.56E-14	0.001	0.004	0.759	0.002	56.905	TRUE	7.42E-13
FVC	ERN1	rs62073139	T	C	-0.150	0.017	0.060	3.08E-18	-0.005	0.005	0.318	0.002	75.831	TRUE	5.14E-16
FVC	ERN1	rs7223733	C	A	0.058	0.011	0.178	4.30E-08	0.016	0.003	6.33E-07	0.001	30.009	TRUE	8.93E-05
FVC	ERN1	rs73328128	T	C	-0.192	0.021	0.044	6.31E-20	0.006	0.006	0.312	0.003	83.512	TRUE	1.64E-17
FVC	ERN1	rs7405661	C	T	-0.086	0.013	0.113	1.13E-11	0.003	0.004	0.502	0.001	46.093	TRUE	2.18E-10
FVC	ERN1	rs76708468	C	T	0.164	0.030	0.026	4.84E-08	0.002	0.006	0.783	0.001	29.777	TRUE	2.23E-07
FVC	ERN1	rs9892013	A	G	-0.322	0.035	0.018	1.64E-20	-0.005	0.008	0.535	0.003	86.172	TRUE	1.88E-18
FVC	ERN1	rs9910216	A	G	-0.217	0.012	0.140	1.43E-77	-0.006	0.003	0.064	0.011	347.547	TRUE	6.69E-68
FVC	FAIM	rs116246525	C	A	0.195	0.034	0.019	6.91E-09	0.012	0.007	0.082	0.001	33.557	TRUE	3.36E-07
FVC	FAIM	rs11706600	T	C	0.152	0.022	0.040	9.08E-12	0.000	0.006	0.943	0.001	46.515	TRUE	5.96E-11
FVC	FAIM	rs11928535	A	G	-0.060	0.011	0.173	1.60E-08	0.004	0.003	0.185	0.001	31.930	TRUE	3.72E-07
FVC	FAIM	rs13059110	T	G	-0.091	0.012	0.134	9.39E-15	-0.007	0.004	0.039	0.002	60.015	TRUE	5.58E-12
FVC	FAIM	rs138510184	T	G	-0.136	0.020	0.049	3.00E-12	0.002	0.006	0.719	0.002	48.686	TRUE	3.68E-11
FVC	FAIM	rs1672928	C	A	-0.226	0.008	0.442	1.19E-163	-0.011	0.002	1.49E-06	0.023	743.177	TRUE	2.37E-136
FVC	FAIM	rs17282731	G	A	0.116	0.014	0.088	1.80E-16	-0.001	0.004	0.705	0.002	67.801	TRUE	5.25E-15
FVC	FAIM	rs2291093	G	C	0.048	0.008	0.379	4.18E-09	0.004	0.002	0.074	0.001	34.537	TRUE	2.33E-07
FVC	FAIM	rs2607789	T	A	-0.120	0.018	0.075	4.43E-11	-0.014	0.005	0.002	0.001	43.413	TRUE	3.34E-08

FVC	FAIM	rs2622745	A	G	0.064	0.012	0.139	2.70E-08	0.010	0.004	0.006	0.001	30.907	TRUE	4.00E-06
FVC	FAIM	rs28673120	T	C	-0.116	0.020	0.045	3.05E-09	-0.020	0.006	4.37E-04	0.001	35.151	TRUE	2.08E-06
FVC	FAIM	rs4285013	T	A	0.129	0.016	0.079	1.16E-16	0.012	0.004	0.004	0.002	68.670	TRUE	6.31E-13
FVC	FAIM	rs62282907	T	C	-0.148	0.018	0.056	1.44E-16	-0.001	0.005	0.817	0.002	68.240	TRUE	3.11E-15
FVC	FAIM	rs641320	A	G	-0.141	0.017	0.060	2.23E-16	0.003	0.005	0.506	0.002	67.380	TRUE	1.20E-14
FVC	FAIM	rs77037737	A	G	-0.082	0.015	0.083	4.09E-08	0.001	0.005	0.767	0.001	30.105	TRUE	1.97E-07
FVC	FAIM	rs77947724	A	G	0.147	0.025	0.032	3.71E-09	0.006	0.006	0.334	0.001	34.770	TRUE	6.17E-08
FVC	FAIM	rs78338341	G	A	0.200	0.028	0.026	1.44E-12	0.014	0.007	0.036	0.002	50.132	TRUE	4.16E-10
FVC	FAS	rs10788633	G	C	0.070	0.011	0.162	1.16E-10	0.007	0.004	0.063	0.001	41.533	TRUE	1.21E-08
FVC	FAS	rs10887846	G	A	0.059	0.011	0.200	4.74E-08	0.002	0.003	0.519	0.001	29.819	TRUE	3.76E-07
FVC	FAS	rs10887887	T	G	0.135	0.010	0.184	1.87E-38	0.001	0.003	0.675	0.005	168.150	TRUE	4.50E-35
FVC	FAS	rs11202805	T	C	0.090	0.015	0.079	1.88E-09	0.002	0.004	0.655	0.001	36.089	TRUE	1.50E-08
FVC	FAS	rs11202926	C	T	0.114	0.009	0.271	2.81E-36	-0.003	0.003	0.306	0.005	158.182	TRUE	2.87E-32
FVC	FAS	rs11202941	A	C	-0.211	0.027	0.029	1.07E-14	0.006	0.006	0.299	0.002	59.759	TRUE	8.14E-13
FVC	FAS	rs11203002	G	C	0.090	0.012	0.140	1.01E-14	-0.004	0.004	0.232	0.002	59.882	TRUE	1.06E-12
FVC	FAS	rs112653305	A	G	-0.176	0.029	0.023	7.62E-10	-0.013	0.008	0.108	0.001	37.852	TRUE	4.17E-08
FVC	FAS	rs138650913	T	C	0.264	0.032	0.021	1.30E-16	-0.005	0.009	0.560	0.002	68.451	TRUE	6.07E-15
FVC	FAS	rs141091864	C	T	0.685	0.077	0.030	4.75E-19	0.012	0.032	0.699	0.003	79.526	TRUE	2.33E-17
FVC	FAS	rs144219120	G	A	-0.236	0.030	0.020	5.13E-15	-0.022	0.010	0.027	0.002	61.205	TRUE	4.30E-12
FVC	FAS	rs1571014	C	A	0.050	0.008	0.408	2.19E-09	0.001	0.003	0.635	0.001	35.799	TRUE	1.82E-08
FVC	FAS	rs181613407	C	T	-0.332	0.026	0.029	1.08E-38	0.007	0.008	0.378	0.005	169.238	TRUE	1.28E-34
FVC	FAS	rs186205233	T	C	-0.245	0.028	0.023	3.92E-18	0.006	0.009	0.469	0.002	75.359	TRUE	3.40E-16
FVC	FAS	rs1926202	C	T	0.093	0.008	0.472	3.84E-30	0.001	0.002	0.566	0.004	130.120	TRUE	2.93E-27
FVC	FAS	rs303482	T	G	-0.183	0.027	0.026	2.11E-11	0.005	0.008	0.568	0.001	44.860	TRUE	3.15E-10
FVC	FAS	rs7082101	C	A	0.309	0.008	0.540	0.00E+00	-0.005	0.002	0.035	0.046	1532.564	TRUE	8.17E-297
FVC	FAS	rs7095848	G	A	-0.062	0.009	0.482	2.13E-12	-0.002	0.002	0.487	0.002	49.356	TRUE	4.70E-11
FVC	FAS	rs78209918	T	C	-0.235	0.023	0.037	2.84E-25	0.001	0.006	0.896	0.003	107.887	TRUE	2.33E-23
FVC	FAS	rs7897437	C	T	0.068	0.008	0.537	3.10E-17	0.001	0.002	0.750	0.002	71.276	TRUE	9.48E-16
FVC	FAS	rs79521827	A	G	-0.123	0.022	0.036	4.01E-08	-0.001	0.006	0.903	0.001	30.140	TRUE	1.50E-07
FVC	FAS	rs80058056	A	G	0.081	0.013	0.119	5.55E-10	0.004	0.004	0.293	0.001	38.470	TRUE	1.32E-08
FVC	FAS	rs9658702	A	G	-0.189	0.018	0.052	1.27E-25	0.002	0.005	0.754	0.003	109.475	TRUE	1.84E-23
FVC	FAS	rs9658713	G	C	-0.326	0.022	0.035	1.01E-49	0.012	0.006	0.048	0.007	219.767	TRUE	7.62E-43
FVC	FAS	rs9658748	G	T	0.249	0.013	0.102	1.68E-79	-0.007	0.004	0.062	0.011	356.406	TRUE	1.41E-69
FVC	FASTK	rs2069443	G	T	-0.069	0.010	0.265	8.00E-12	0.001	0.003	0.770	0.001	46.764	TRUE	7.99E-11
FVC	FASTK	rs34308016	T	C	0.108	0.011	0.173	1.23E-21	-0.010	0.003	0.001	0.003	91.308	TRUE	8.95E-17
FVC	FDX1	rs10488763	T	A	-0.092	0.011	0.145	5.99E-16	-0.001	0.004	0.748	0.002	65.438	TRUE	1.35E-14
FVC	FDX1	rs10891120	G	C	0.320	0.009	0.267	6.79E-288	0.006	0.003	0.037	0.040	1314.739	TRUE	9.30E-255
FVC	FDX1	rs12578007	T	C	-0.092	0.008	0.446	4.54E-30	-0.002	0.002	0.322	0.004	129.788	TRUE	1.16E-26
FVC	FDX1	rs137913010	A	G	0.243	0.037	0.019	4.69E-11	-0.012	0.011	0.272	0.001	43.299	TRUE	1.60E-09
FVC	FDX1	rs145745759	C	T	0.447	0.029	0.021	3.97E-53	0.011	0.007	0.120	0.007	235.380	TRUE	1.41E-46
FVC	FDX1	rs150350929	T	C	-0.152	0.026	0.027	8.97E-09	0.008	0.009	0.371	0.001	33.051	TRUE	1.22E-07
FVC	FDX1	rs150803482	T	C	0.211	0.032	0.019	5.51E-11	-0.005	0.010	0.629	0.001	42.984	TRUE	6.49E-10

FVC	FDX1	rs17645205	G	A	-0.091	0.014	0.091	6.43E-11	0.009	0.004	0.030	0.001	42.683	TRUE	1.21E-08
FVC	FDX1	rs1784646	C	T	-0.078	0.008	0.405	1.19E-21	-0.004	0.002	0.089	0.003	91.372	TRUE	2.45E-18
FVC	FDX1	rs226124	C	T	0.089	0.014	0.106	8.38E-11	-0.003	0.004	0.463	0.001	42.164	TRUE	1.45E-09
FVC	FDX1	rs2305289	C	T	0.073	0.009	0.230	1.18E-14	-0.004	0.003	0.145	0.002	59.573	TRUE	2.05E-12
FVC	FDX1	rs2585801	G	A	0.123	0.009	0.247	3.58E-40	0.008	0.003	0.004	0.006	176.013	TRUE	4.18E-33
FVC	FDX1	rs2724407	T	C	-0.080	0.011	0.176	2.99E-14	-0.004	0.003	0.219	0.002	57.738	TRUE	2.95E-12
FVC	FDX1	rs328287	A	G	0.129	0.008	0.329	2.16E-52	-0.003	0.003	0.219	0.007	232.006	TRUE	1.94E-46
FVC	FDX1	rs55881886	T	C	0.174	0.023	0.047	7.92E-14	0.002	0.003	0.479	0.002	55.821	TRUE	2.60E-12
FVC	FDX1	rs661171	T	G	-0.051	0.009	0.292	5.16E-09	0.005	0.003	0.078	0.001	34.124	TRUE	2.60E-07
FVC	FDX1	rs75531040	A	G	-0.252	0.034	0.017	8.42E-14	-0.007	0.012	0.523	0.002	55.702	TRUE	2.39E-12
FVC	FDX1	rs78762835	G	A	-0.156	0.023	0.034	1.69E-11	-0.006	0.007	0.376	0.001	45.303	TRUE	4.35E-10
FVC	FEM1B	rs116529867	G	T	-0.098	0.009	0.293	5.68E-29	0.009	0.003	2.66E-04	0.004	124.774	TRUE	1.68E-22
FVC	FEM1B	rs34106628	C	T	0.070	0.009	0.235	9.15E-14	0.002	0.003	0.557	0.002	55.538	TRUE	2.27E-12
FVC	FEM1B	rs7172340	G	A	0.139	0.024	0.033	3.71E-09	0.014	0.006	0.022	0.001	34.768	TRUE	4.30E-07
FVC	FEM1B	rs8033140	T	C	-0.051	0.008	0.334	1.93E-09	0.009	0.003	1.38E-04	0.001	36.043	TRUE	1.94E-06
FVC	FGFR1	rs10958704	G	A	0.273	0.008	0.408	3.39E-258	-0.009	0.002	2.96E-04	0.036	1178.095	TRUE	7.50E-223
FVC	FGFR1	rs111903390	C	G	-0.194	0.028	0.026	2.69E-12	-0.007	0.008	0.367	0.002	48.902	TRUE	8.93E-11
FVC	FGFR1	rs12115124	T	G	0.053	0.009	0.246	2.90E-08	-0.003	0.003	0.344	0.001	30.772	TRUE	3.64E-07
FVC	FGFR1	rs138012741	G	A	0.629	0.028	0.025	1.54E-112	-0.007	0.007	0.304	0.016	508.200	TRUE	2.89E-101
FVC	FGFR1	rs141368811	T	G	0.111	0.017	0.059	4.98E-11	0.008	0.005	0.157	0.001	43.183	TRUE	2.84E-09
FVC	FGFR1	rs147185839	T	C	0.156	0.029	0.022	4.73E-08	0.004	0.008	0.622	0.001	29.823	TRUE	2.99E-07
FVC	FGFR1	rs1665503	A	G	-0.067	0.008	0.350	1.61E-15	-0.001	0.002	0.645	0.002	63.491	TRUE	4.58E-14
FVC	FGFR1	rs17182134	A	C	-0.357	0.015	0.071	2.94E-118	0.000	0.004	0.928	0.017	534.485	TRUE	7.16E-109
FVC	FGFR1	rs328291	A	G	0.179	0.009	0.233	1.03E-80	-0.005	0.003	0.098	0.011	361.988	TRUE	4.03E-71
FVC	FGFR1	rs35352052	T	C	0.117	0.016	0.067	2.72E-13	-0.009	0.005	0.069	0.002	53.401	TRUE	6.29E-11
FVC	FGFR1	rs62505467	T	C	0.143	0.020	0.051	5.38E-13	-0.001	0.005	0.775	0.002	52.058	TRUE	6.68E-12
FVC	FGFR1	rs7001849	T	C	0.066	0.008	0.445	1.23E-16	-0.002	0.002	0.444	0.002	68.561	TRUE	8.20E-15
FVC	FGFR1	rs75923541	A	G	-0.155	0.013	0.111	6.87E-34	0.003	0.004	0.379	0.005	147.254	TRUE	2.71E-30
FVC	FGFR1	rs7817409	T	C	0.064	0.011	0.170	1.90E-09	-0.006	0.003	0.056	0.001	36.067	TRUE	1.42E-07
FVC	FGFR1	rs802170	T	A	-0.067	0.010	0.304	4.12E-11	-0.004	0.003	0.095	0.001	43.555	TRUE	3.79E-09
FVC	FHIT	rs11130745	A	G	-0.909	0.022	0.035	0.00E+00	0.017	0.008	0.033	0.053	1782.878	TRUE	0.00E+00
FVC	FHIT	rs115416861	T	C	-0.225	0.032	0.021	1.94E-12	0.008	0.007	0.314	0.002	49.542	TRUE	8.08E-11
FVC	FHIT	rs13090962	G	A	-0.078	0.013	0.113	7.97E-10	-0.003	0.004	0.387	0.001	37.766	TRUE	1.35E-08
FVC	FHIT	rs1385815	G	A	0.064	0.009	0.262	1.54E-12	0.002	0.003	0.471	0.002	49.999	TRUE	3.74E-11
FVC	FHIT	rs143479110	C	T	0.180	0.027	0.025	1.46E-11	0.004	0.007	0.556	0.001	45.584	TRUE	2.29E-10
FVC	FHIT	rs1683344	G	A	0.058	0.010	0.187	1.07E-08	0.006	0.003	0.053	0.001	32.710	TRUE	6.34E-07
FVC	FHIT	rs17310854	T	C	0.137	0.019	0.044	2.12E-12	0.000	0.006	0.995	0.002	49.367	TRUE	1.36E-11
FVC	FHIT	rs1825630	T	C	-0.068	0.008	0.486	1.06E-17	-0.002	0.002	0.382	0.002	73.389	TRUE	1.18E-15
FVC	FHIT	rs1905863	C	T	-0.093	0.008	0.498	1.53E-31	-0.004	0.002	0.130	0.004	136.517	TRUE	2.41E-27
FVC	FHIT	rs212063	T	C	0.222	0.013	0.101	3.24E-64	0.003	0.004	0.527	0.009	286.247	TRUE	2.89E-58
FVC	FHIT	rs2630170	C	T	-0.204	0.010	0.173	5.62E-85	0.005	0.003	0.129	0.012	381.565	TRUE	3.54E-75
FVC	FHIT	rs2736789	C	T	-0.197	0.009	0.439	2.80E-114	0.000	0.002	0.952	0.016	516.193	TRUE	2.32E-105

FVC	FHIT	rs34918586	G	C	-0.066	0.009	0.263	2.12E-13	-0.003	0.003	0.287	0.002	53.890	TRUE	1.26E-11
FVC	FHIT	rs4024134	C	T	0.119	0.013	0.099	4.60E-19	0.005	0.004	0.212	0.003	79.590	TRUE	1.65E-16
FVC	FHIT	rs56263520	C	G	0.074	0.011	0.158	1.20E-11	-0.002	0.003	0.560	0.001	45.971	TRUE	1.94E-10
FVC	FHIT	rs62250727	C	T	-0.053	0.009	0.254	8.13E-09	0.009	0.003	9.78E-04	0.001	33.242	TRUE	3.22E-06
FVC	FHIT	rs6446108	G	A	0.079	0.009	0.243	1.91E-17	-0.001	0.003	0.698	0.002	72.232	TRUE	6.94E-16
FVC	FHIT	rs6764256	C	A	-0.224	0.020	0.040	1.69E-28	0.002	0.007	0.771	0.004	122.612	TRUE	4.05E-26
FVC	FHIT	rs6772201	T	A	0.105	0.010	0.194	5.33E-25	0.001	0.003	0.683	0.003	106.637	TRUE	8.67E-23
FVC	FHIT	rs72624870	A	G	-0.174	0.024	0.031	3.24E-13	0.001	0.007	0.903	0.002	53.054	TRUE	3.01E-12
FVC	FHIT	rs72884606	T	C	0.080	0.012	0.136	6.17E-12	0.000	0.003	0.893	0.001	47.271	TRUE	4.59E-11
FVC	FHIT	rs74944167	G	A	-0.268	0.029	0.021	2.80E-20	-0.009	0.009	0.338	0.003	85.118	TRUE	6.83E-18
FVC	FHIT	rs78312640	C	G	-0.072	0.010	0.205	4.44E-13	0.001	0.003	0.850	0.002	52.435	TRUE	4.77E-12
FVC	FHIT	rs78831276	T	C	0.204	0.036	0.014	1.10E-08	0.014	0.009	0.105	0.001	32.652	TRUE	4.13E-07
FVC	FHIT	rs79938157	G	A	-0.301	0.030	0.023	2.19E-23	-0.003	0.010	0.761	0.003	99.275	TRUE	2.05E-21
FVC	FHIT	rs80173757	T	G	-0.334	0.027	0.025	1.81E-35	0.011	0.011	0.294	0.005	154.476	TRUE	1.80E-31
FVC	FHIT	rs802779	C	T	0.199	0.013	0.096	2.34E-49	0.005	0.004	0.224	0.007	218.092	TRUE	1.02E-43
FVC	FHIT	rs9819370	T	C	-0.073	0.009	0.285	7.22E-17	0.000	0.003	0.979	0.002	69.608	TRUE	1.07E-15
FVC	FHIT	rs9819602	C	T	0.138	0.018	0.053	1.31E-14	0.009	0.006	0.108	0.002	59.363	TRUE	3.04E-12
FVC	FIS1	rs10247980	C	T	0.069	0.008	0.330	3.17E-16	-0.006	0.003	0.016	0.002	66.689	TRUE	6.14E-13
FVC	FIS1	rs10255019	T	C	-0.094	0.009	0.489	1.48E-27	0.003	0.002	0.230	0.004	118.302	TRUE	3.82E-24
FVC	FIS1	rs10900	G	A	-0.097	0.015	0.083	1.29E-10	0.010	0.004	0.017	0.001	41.319	TRUE	3.21E-08
FVC	FIS1	rs10953309	A	G	0.062	0.009	0.263	4.52E-12	-0.003	0.003	0.195	0.002	47.881	TRUE	2.88E-10
FVC	FIS1	rs118149823	T	C	-0.321	0.022	0.040	6.76E-49	-0.009	0.005	0.076	0.007	215.981	TRUE	1.98E-42
FVC	FIS1	rs118160000	C	T	-0.482	0.070	0.021	6.00E-12	0.003	0.012	0.776	0.001	47.326	TRUE	6.05E-11
FVC	FIS1	rs12539994	T	G	-0.080	0.010	0.205	5.88E-16	-0.002	0.003	0.540	0.002	65.473	TRUE	2.46E-14
FVC	FIS1	rs140150861	G	A	-0.574	0.029	0.023	6.78E-88	-0.002	0.008	0.761	0.012	394.966	TRUE	1.44E-80
FVC	FIS1	rs146356350	A	G	-1.010	0.091	0.013	1.45E-28	-0.007	0.015	0.650	0.004	122.908	TRUE	5.51E-26
FVC	FIS1	rs314352	A	T	-0.048	0.008	0.349	8.62E-09	0.003	0.002	0.164	0.001	33.127	TRUE	2.53E-07
FVC	FIS1	rs35811390	C	T	-0.073	0.008	0.474	6.28E-20	-0.004	0.002	0.117	0.003	83.523	TRUE	5.48E-17
FVC	FIS1	rs4729671	G	A	-0.503	0.013	0.098	0.00E+00	-0.006	0.004	0.121	0.044	1468.866	TRUE	7.77E-287
FVC	FIS1	rs55682543	G	C	0.238	0.018	0.055	7.50E-42	0.000	0.005	0.955	0.006	183.699	TRUE	9.65E-39
FVC	FIS1	rs57801984	G	A	-0.427	0.029	0.021	1.40E-48	-0.014	0.010	0.166	0.007	214.539	TRUE	8.81E-43
FVC	FIS1	rs62482549	T	C	-0.101	0.010	0.209	6.38E-25	-0.006	0.003	0.060	0.003	106.281	TRUE	5.23E-21
FVC	FIS1	rs67483801	T	G	-0.062	0.010	0.192	1.04E-09	0.001	0.003	0.765	0.001	37.247	TRUE	6.94E-09
FVC	FIS1	rs6968930	C	T	0.129	0.009	0.306	1.12E-48	-0.001	0.003	0.806	0.007	214.984	TRUE	9.45E-45
FVC	FIS1	rs6968978	T	C	-0.110	0.015	0.073	4.80E-13	-0.003	0.004	0.460	0.002	52.281	TRUE	1.37E-11
FVC	FIS1	rs73179283	C	G	0.142	0.023	0.033	6.87E-10	-0.007	0.006	0.284	0.001	38.054	TRUE	1.61E-08
FVC	FOXK2	rs11078002	C	G	-0.084	0.011	0.280	4.57E-15	0.003	0.003	0.216	0.002	61.433	TRUE	5.54E-13
FVC	FOXK2	rs12948886	G	A	-0.089	0.012	0.131	3.58E-13	-0.001	0.003	0.768	0.002	52.855	TRUE	4.62E-12
FVC	FOXK2	rs3829566	T	C	-0.070	0.009	0.352	3.72E-16	0.006	0.003	0.014	0.002	66.373	TRUE	7.04E-13
FVC	FOXK2	rs4789695	T	C	0.085	0.013	0.107	1.26E-10	0.005	0.004	0.203	0.001	41.365	TRUE	4.88E-09
FVC	FYCO1	rs114289482	A	G	0.111	0.018	0.052	1.89E-09	0.005	0.005	0.361	0.001	36.084	TRUE	3.10E-08
FVC	FYCO1	rs12638598	A	G	-0.107	0.016	0.075	1.77E-11	-0.006	0.005	0.248	0.001	45.207	TRUE	7.37E-10

FVC	FYCO1	rs2276856	T	C	-0.455	0.029	0.021	3.27E-57	-0.017	0.009	0.045	0.008	254.112	TRUE	1.99E-49
FVC	FYCO1	rs4683191	T	C	0.107	0.015	0.099	3.98E-13	-0.003	0.004	0.459	0.002	52.649	TRUE	1.18E-11
FVC	FYCO1	rs6781121	A	C	0.111	0.008	0.443	6.68E-44	0.003	0.002	0.185	0.006	193.093	TRUE	1.27E-38
FVC	FYCO1	rs7652331	T	C	0.089	0.008	0.368	5.39E-27	0.001	0.002	0.586	0.004	115.744	TRUE	1.92E-24
FVC	FYCO1	rs77572578	C	T	-0.131	0.019	0.046	6.28E-12	-0.001	0.005	0.903	0.001	47.238	TRUE	4.67E-11
FVC	GALC	rs111291798	A	C	-0.293	0.039	0.016	9.75E-14	-0.013	0.010	0.195	0.002	55.412	TRUE	9.60E-12
FVC	GALC	rs112573935	A	G	-0.356	0.035	0.016	1.03E-23	-0.008	0.009	0.374	0.003	100.767	TRUE	4.61E-21
FVC	GALC	rs117566760	A	G	-0.233	0.034	0.017	4.71E-12	-0.017	0.008	0.046	0.002	47.803	TRUE	1.00E-09
FVC	GALC	rs11851460	A	G	-0.234	0.035	0.016	2.82E-11	0.001	0.012	0.968	0.001	44.297	TRUE	1.62E-10
FVC	GALC	rs119512	G	A	0.173	0.009	0.300	1.59E-84	0.008	0.003	0.001	0.012	379.495	TRUE	2.39E-71
FVC	GALC	rs12185054	G	A	-0.167	0.024	0.032	1.79E-12	-0.012	0.007	0.101	0.002	49.699	TRUE	2.31E-10
FVC	GALC	rs12883745	G	A	0.063	0.009	0.293	7.14E-13	0.002	0.003	0.405	0.002	51.503	TRUE	2.30E-11
FVC	GALC	rs140349512	C	T	-0.367	0.034	0.016	1.47E-27	-0.010	0.010	0.319	0.004	118.319	TRUE	2.13E-24
FVC	GALC	rs151117479	T	C	0.128	0.018	0.059	2.98E-13	0.009	0.005	0.051	0.002	53.219	TRUE	8.90E-11
FVC	GALC	rs17124166	T	C	-0.075	0.010	0.221	5.24E-15	-0.007	0.003	0.020	0.002	61.164	TRUE	5.68E-12
FVC	GALC	rs17124375	C	T	-0.188	0.032	0.021	4.00E-09	-0.008	0.008	0.307	0.001	34.619	TRUE	7.26E-08
FVC	GALC	rs181231952	A	G	-0.266	0.031	0.020	1.05E-17	0.002	0.009	0.838	0.002	73.417	TRUE	2.63E-16
FVC	GALC	rs1959710	A	G	-0.090	0.010	0.182	2.87E-18	-0.004	0.003	0.188	0.002	75.971	TRUE	9.86E-16
FVC	GALC	rs28533072	T	C	-0.353	0.009	0.243	0.00E+00	-0.009	0.003	6.16E-04	0.044	1450.922	TRUE	3.00E-275
FVC	GALC	rs35163965	T	C	0.271	0.026	0.030	3.59E-25	0.015	0.008	0.049	0.003	107.418	TRUE	3.85E-21
FVC	GALC	rs3559	G	A	-0.051	0.009	0.283	7.81E-09	0.002	0.003	0.569	0.001	33.319	TRUE	6.70E-08
FVC	GALC	rs4904431	G	A	-0.160	0.012	0.133	9.71E-41	-0.001	0.004	0.804	0.006	178.607	TRUE	1.99E-37
FVC	GALC	rs56881507	A	G	-0.261	0.036	0.015	3.08E-13	-0.008	0.012	0.501	0.002	53.155	TRUE	8.30E-12
FVC	GALC	rs57593039	T	C	0.080	0.014	0.090	1.85E-08	-0.005	0.004	0.255	0.001	31.643	TRUE	3.32E-07
FVC	GALC	rs7145673	C	T	-0.096	0.009	0.277	5.30E-26	-0.003	0.003	0.194	0.003	111.211	TRUE	1.23E-22
FVC	GALC	rs72691830	G	A	0.185	0.033	0.021	3.44E-08	0.009	0.008	0.241	0.001	30.440	TRUE	6.02E-07
FVC	GALC	rs72693876	A	C	0.166	0.024	0.030	7.71E-12	0.015	0.006	0.019	0.001	46.835	TRUE	2.76E-09
FVC	GALC	rs72693888	A	G	0.247	0.039	0.014	2.79E-10	-0.001	0.011	0.959	0.001	39.811	TRUE	1.36E-09
FVC	GALC	rs75247856	T	G	0.164	0.025	0.029	3.02E-11	0.008	0.008	0.317	0.001	44.161	TRUE	9.10E-10
FVC	GALC	rs76824983	A	G	-0.362	0.022	0.035	6.58E-59	-0.006	0.007	0.404	0.008	261.894	TRUE	5.03E-53
FVC	GALC	rs78607076	G	A	-0.181	0.017	0.065	1.09E-27	-0.002	0.005	0.695	0.004	118.921	TRUE	2.98E-25
FVC	GALC	rs80251490	T	C	0.183	0.024	0.035	2.69E-14	0.002	0.006	0.780	0.002	57.948	TRUE	4.21E-13
FVC	GAPDH	rs10774442	C	T	0.066	0.011	0.280	5.56E-10	0.001	0.003	0.591	0.001	38.467	TRUE	5.98E-09
FVC	GAPDH	rs11064245	A	G	0.186	0.011	0.274	5.49E-69	-0.006	0.003	0.040	0.010	308.142	TRUE	7.30E-60
FVC	GAPDH	rs11569357	C	T	-0.215	0.020	0.064	1.07E-26	0.011	0.005	0.025	0.004	114.384	TRUE	3.74E-22
FVC	GAPDH	rs117471807	C	T	0.182	0.030	0.028	1.60E-09	-0.007	0.006	0.281	0.001	36.412	TRUE	3.49E-08
FVC	GAPDH	rs150807305	A	G	-0.358	0.039	0.019	1.73E-20	0.001	0.009	0.906	0.003	86.072	TRUE	5.86E-19
FVC	GAPDH	rs2267965	C	T	0.095	0.011	0.348	7.94E-17	-0.002	0.003	0.382	0.002	69.421	TRUE	7.31E-15
FVC	GAPDH	rs2286725	T	C	-0.281	0.031	0.025	3.01E-19	0.004	0.010	0.696	0.003	80.427	TRUE	1.55E-17
FVC	GAPDH	rs73044244	T	C	-0.409	0.048	0.015	1.26E-17	0.001	0.011	0.945	0.002	73.054	TRUE	2.31E-16
FVC	GAPDH	rs73047887	C	T	0.093	0.011	0.241	1.65E-16	-0.007	0.003	0.008	0.002	67.979	TRUE	5.14E-13
FVC	GAPDH	rs78187632	C	T	0.281	0.028	0.030	5.18E-23	-0.001	0.006	0.878	0.003	97.573	TRUE	2.97E-21

FVC	GAPDH	rs78312001	G	C	0.200	0.029	0.029	4.39E-12	-0.020	0.006	0.001	0.002	47.939	TRUE	7.64E-09
FVC	GAPDH	rs80106965	G	T	-0.321	0.024	0.046	6.79E-41	0.005	0.005	0.326	0.006	179.318	TRUE	1.80E-36
FVC	GAPDH	rs9634157	G	A	-0.395	0.011	0.220	2.60E-268	0.008	0.003	0.004	0.037	1224.631	TRUE	3.07E-234
FVC	GCC2	rs112823243	G	A	0.394	0.027	0.029	3.39E-48	-0.010	0.006	0.109	0.007	212.772	TRUE	4.62E-42
FVC	GCC2	rs113157492	C	A	0.165	0.026	0.033	2.03E-10	-0.001	0.006	0.940	0.001	40.439	TRUE	1.07E-09
FVC	GCC2	rs114153310	T	C	0.306	0.039	0.016	6.52E-15	-0.001	0.010	0.953	0.002	60.733	TRUE	7.31E-14
FVC	GCC2	rs114627174	T	C	0.231	0.025	0.027	5.15E-20	-0.008	0.009	0.385	0.003	83.915	TRUE	9.77E-18
FVC	GCC2	rs114697001	G	A	0.377	0.061	0.013	8.72E-10	-0.009	0.012	0.434	0.001	37.589	TRUE	1.29E-08
FVC	GCC2	rs115064799	T	C	-0.380	0.030	0.021	2.20E-37	-0.005	0.008	0.543	0.005	163.247	TRUE	8.10E-34
FVC	GCC2	rs115685748	A	G	0.151	0.017	0.063	2.31E-19	-0.012	0.005	0.011	0.003	80.952	TRUE	1.50E-15
FVC	GCC2	rs116294087	A	G	0.419	0.057	0.015	3.27E-13	0.002	0.011	0.832	0.002	53.036	TRUE	3.63E-12
FVC	GCC2	rs116435443	C	T	-0.306	0.026	0.025	8.76E-32	0.006	0.007	0.363	0.004	137.626	TRUE	2.53E-28
FVC	GCC2	rs116732333	A	G	-0.487	0.045	0.015	8.96E-27	0.021	0.009	0.020	0.004	114.736	TRUE	3.75E-22
FVC	GCC2	rs11675104	T	C	-0.501	0.013	0.097	0.00E+00	-0.002	0.004	0.613	0.043	1425.626	TRUE	5.85E-283
FVC	GCC2	rs116826716	C	T	-0.544	0.064	0.014	1.17E-17	-0.029	0.016	0.061	0.002	73.204	TRUE	1.11E-14
FVC	GCC2	rs11900990	G	T	0.075	0.013	0.113	2.15E-08	-0.001	0.004	0.756	0.001	31.356	TRUE	1.12E-07
FVC	GCC2	rs12477830	G	A	0.214	0.012	0.132	6.35E-75	0.002	0.003	0.623	0.010	335.396	TRUE	2.77E-68
FVC	GCC2	rs13006511	C	T	-0.503	0.012	0.116	0.00E+00	0.014	0.004	2.34E-04	0.050	1659.981	TRUE	0.00E+00
FVC	GCC2	rs13016503	A	G	-0.155	0.025	0.026	7.37E-10	0.002	0.008	0.751	0.001	37.919	TRUE	5.16E-09
FVC	GCC2	rs13021399	A	T	0.427	0.009	0.301	0.00E+00	-0.006	0.003	0.037	0.067	2293.321	TRUE	0.00E+00
FVC	GCC2	rs140423617	C	T	-0.339	0.028	0.023	3.60E-33	0.006	0.008	0.474	0.005	143.967	TRUE	7.62E-30
FVC	GCC2	rs140436465	G	A	-0.183	0.028	0.026	1.42E-10	0.002	0.009	0.811	0.001	41.139	TRUE	1.00E-09
FVC	GCC2	rs142871500	T	C	0.408	0.035	0.018	2.92E-31	-0.001	0.009	0.954	0.004	135.234	TRUE	5.61E-29
FVC	GCC2	rs143276373	C	T	0.443	0.028	0.025	1.01E-54	0.000	0.006	0.987	0.008	242.697	TRUE	1.11E-50
FVC	GCC2	rs143962355	A	G	-0.573	0.075	0.017	2.69E-14	0.010	0.016	0.532	0.002	57.945	TRUE	8.34E-13
FVC	GCC2	rs146024326	A	G	-0.369	0.060	0.014	1.07E-09	0.007	0.010	0.466	0.001	37.193	TRUE	1.42E-08
FVC	GCC2	rs146973928	A	G	-0.264	0.025	0.027	4.27E-26	0.004	0.007	0.587	0.004	111.642	TRUE	1.25E-23
FVC	GCC2	rs151143085	A	G	-0.277	0.047	0.015	3.36E-09	0.008	0.011	0.445	0.001	34.961	TRUE	4.16E-08
FVC	GCC2	rs17034770	C	T	0.124	0.012	0.130	1.77E-23	0.005	0.004	0.233	0.003	99.694	TRUE	1.75E-20
FVC	GCC2	rs17036089	T	C	-0.225	0.020	0.043	8.84E-29	-0.005	0.007	0.471	0.004	123.895	TRUE	7.67E-26
FVC	GCC2	rs1718024	A	C	0.056	0.008	0.424	4.76E-12	-0.004	0.002	0.101	0.002	47.781	TRUE	5.23E-10
FVC	GCC2	rs17770672	A	G	-0.168	0.014	0.108	3.49E-34	0.004	0.004	0.243	0.005	148.602	TRUE	3.66E-30
FVC	GCC2	rs184591007	C	T	0.267	0.047	0.018	1.72E-08	0.041	0.021	0.046	0.001	31.787	TRUE	1.04E-06
FVC	GCC2	rs185210493	A	C	-0.488	0.055	0.014	8.57E-19	-0.018	0.016	0.264	0.002	78.360	TRUE	2.12E-16
FVC	GCC2	rs187816444	T	C	0.318	0.038	0.017	2.47E-17	-0.006	0.010	0.522	0.002	71.726	TRUE	1.50E-15
FVC	GCC2	rs2378108	T	C	0.188	0.023	0.032	1.53E-16	0.001	0.007	0.869	0.002	68.121	TRUE	2.87E-15
FVC	GCC2	rs2577619	C	G	0.345	0.010	0.196	2.63E-268	-0.002	0.003	0.434	0.037	1224.612	TRUE	1.25E-242
FVC	GCC2	rs260633	C	T	-0.247	0.009	0.244	6.57E-159	-0.001	0.003	0.814	0.022	721.377	TRUE	1.55E-145
FVC	GCC2	rs260695	G	C	-0.223	0.026	0.026	4.44E-18	0.006	0.007	0.416	0.002	75.112	TRUE	4.74E-16
FVC	GCC2	rs260710	T	C	0.210	0.013	0.115	1.77E-57	0.000	0.004	0.938	0.008	255.339	TRUE	4.08E-53
FVC	GCC2	rs36121864	G	A	0.091	0.014	0.098	2.12E-11	0.006	0.004	0.120	0.001	44.857	TRUE	1.65E-09
FVC	GCC2	rs3888323	A	G	0.332	0.023	0.046	2.50E-47	-0.006	0.016	0.716	0.007	208.795	TRUE	2.70E-43

FVC	GCC2	rs4328597	G	A	0.124	0.015	0.080	5.46E-17	0.000	0.004	0.958	0.002	70.159	TRUE	8.47E-16
FVC	GCC2	rs4442955	G	A	-0.361	0.009	0.279	0.00E+00	0.002	0.003	0.513	0.045	1482.472	TRUE	2.38E-293
FVC	GCC2	rs4610008	C	T	0.062	0.008	0.428	2.26E-14	0.001	0.002	0.583	0.002	58.289	TRUE	6.01E-13
FVC	GCC2	rs4676059	T	A	-0.161	0.026	0.027	5.73E-10	0.011	0.008	0.172	0.001	38.410	TRUE	2.22E-08
FVC	GCC2	rs4676175	G	A	0.159	0.023	0.031	6.98E-12	-0.015	0.007	0.036	0.001	47.029	TRUE	1.59E-09
FVC	GCC2	rs4676248	T	C	0.056	0.009	0.269	6.90E-10	-0.007	0.003	0.007	0.001	38.047	TRUE	1.95E-07
FVC	GCC2	rs55636728	T	C	0.079	0.009	0.295	2.03E-19	-0.001	0.003	0.593	0.003	81.204	TRUE	1.53E-17
FVC	GCC2	rs62148704	C	T	-0.120	0.015	0.083	4.58E-16	0.005	0.004	0.222	0.002	65.966	TRUE	7.23E-14
FVC	GCC2	rs62148812	G	A	-0.216	0.011	0.169	1.52E-88	0.001	0.003	0.798	0.012	397.942	TRUE	2.79E-81
FVC	GCC2	rs62149876	A	G	0.379	0.026	0.033	8.75E-50	-0.006	0.006	0.290	0.007	220.052	TRUE	2.26E-44
FVC	GCC2	rs6711767	T	C	0.071	0.011	0.175	2.11E-11	0.001	0.003	0.843	0.001	44.861	TRUE	1.62E-10
FVC	GCC2	rs6735080	A	G	-0.129	0.017	0.066	4.76E-14	0.004	0.006	0.490	0.002	56.825	TRUE	1.55E-12
FVC	GCC2	rs6753886	A	G	-0.046	0.008	0.392	1.47E-08	0.000	0.002	0.881	0.001	32.090	TRUE	6.41E-08
FVC	GCC2	rs71421351	A	G	-0.273	0.042	0.015	6.86E-11	-0.019	0.010	0.052	0.001	42.555	TRUE	8.90E-09
FVC	GCC2	rs72826944	A	G	-0.064	0.011	0.156	1.07E-08	0.001	0.003	0.688	0.001	32.711	TRUE	6.87E-08
FVC	GCC2	rs72831087	A	G	-0.195	0.032	0.019	7.03E-10	-0.007	0.009	0.438	0.001	38.010	TRUE	1.05E-08
FVC	GCC2	rs72836509	T	C	-0.469	0.074	0.015	1.93E-10	0.006	0.011	0.605	0.001	40.539	TRUE	2.15E-09
FVC	GCC2	rs72838303	A	G	-0.088	0.014	0.089	4.12E-10	0.004	0.004	0.345	0.001	39.053	TRUE	8.60E-09
FVC	GCC2	rs73952184	T	C	-0.185	0.023	0.037	6.52E-16	0.000	0.007	0.971	0.002	65.270	TRUE	8.10E-15
FVC	GCC2	rs75134550	A	G	0.306	0.013	0.102	1.05E-117	0.002	0.004	0.632	0.017	531.949	TRUE	2.42E-107
FVC	GCC2	rs75148200	G	A	0.283	0.020	0.051	2.00E-46	-0.011	0.005	0.038	0.006	204.660	TRUE	8.89E-40
FVC	GCC2	rs75495651	G	A	0.300	0.028	0.026	1.17E-26	-0.012	0.007	0.065	0.004	114.214	TRUE	1.37E-22
FVC	GCC2	rs7574949	G	A	-0.047	0.008	0.373	9.84E-09	0.004	0.003	0.086	0.001	32.870	TRUE	4.37E-07
FVC	GCC2	rs7590599	T	C	-0.091	0.008	0.395	5.99E-29	-0.004	0.002	0.138	0.004	124.667	TRUE	4.92E-25
FVC	GCC2	rs76008870	A	C	-0.559	0.038	0.020	1.78E-48	0.007	0.008	0.366	0.007	214.052	TRUE	1.92E-43
FVC	GCC2	rs76297499	A	G	-0.530	0.027	0.028	6.04E-86	-0.002	0.006	0.729	0.012	386.012	TRUE	1.11E-78
FVC	GCC2	rs76428252	T	C	0.109	0.015	0.077	6.66E-13	-0.002	0.005	0.681	0.002	51.638	TRUE	1.00E-11
FVC	GCC2	rs77428893	C	T	0.183	0.028	0.024	6.42E-11	-0.013	0.008	0.121	0.001	42.685	TRUE	4.40E-09
FVC	GCC2	rs77972536	C	T	-0.457	0.061	0.015	4.86E-14	0.012	0.012	0.324	0.002	56.782	TRUE	2.85E-12
FVC	GCC2	rs78778269	G	A	0.169	0.023	0.035	9.52E-14	-0.005	0.007	0.435	0.002	55.460	TRUE	3.49E-12
FVC	GCC2	rs80097433	A	G	-0.237	0.031	0.020	9.38E-15	0.009	0.010	0.370	0.002	60.018	TRUE	5.60E-13
FVC	GCC2	rs831973	A	G	0.076	0.009	0.245	7.47E-16	0.000	0.003	0.924	0.002	65.001	TRUE	1.08E-14
FVC	GCC2	rs855047	T	C	-0.120	0.009	0.268	1.75E-40	0.006	0.003	0.034	0.006	177.433	TRUE	1.96E-34
FVC	GHITM	rs11200796	T	C	0.219	0.019	0.048	1.67E-31	-0.007	0.006	0.182	0.004	136.349	TRUE	1.56E-27
FVC	GHITM	rs11200896	T	C	-0.083	0.009	0.268	2.12E-20	0.003	0.003	0.247	0.003	85.672	TRUE	9.26E-18
FVC	GHITM	rs11201096	A	G	-0.061	0.009	0.270	6.37E-12	0.004	0.003	0.136	0.001	47.210	TRUE	5.26E-10
FVC	GHITM	rs11511521	A	G	-0.180	0.008	0.365	3.00E-106	0.003	0.002	0.246	0.015	479.288	TRUE	3.12E-95
FVC	GHITM	rs12261669	T	G	-0.315	0.020	0.045	2.03E-57	-0.005	0.006	0.353	0.008	255.057	TRUE	1.61E-51
FVC	GHITM	rs12770832	T	C	0.089	0.011	0.165	5.89E-16	-0.005	0.003	0.124	0.002	65.470	TRUE	1.64E-13
FVC	GHITM	rs4244945	A	G	0.058	0.009	0.254	4.39E-10	-0.003	0.003	0.260	0.001	38.928	TRUE	1.15E-08
FVC	GHITM	rs524265	T	G	0.080	0.013	0.117	6.08E-10	0.001	0.004	0.866	0.001	38.294	TRUE	3.49E-09
FVC	GHITM	rs55880182	T	C	-0.128	0.018	0.056	4.83E-13	-0.004	0.005	0.437	0.002	52.270	TRUE	1.52E-11

FVC	GHITM	rs61865122	A	G	0.163	0.027	0.026	7.28E-10	0.012	0.007	0.101	0.001	37.941	TRUE	4.10E-08
FVC	GHITM	rs66846769	A	G	-0.074	0.012	0.126	1.87E-09	0.009	0.003	0.009	0.001	36.099	TRUE	3.75E-07
FVC	GHITM	rs7080190	A	G	0.114	0.013	0.108	5.23E-19	-0.006	0.004	0.134	0.002	79.333	TRUE	3.16E-16
FVC	GHITM	rs7096040	T	C	-0.063	0.009	0.298	4.13E-13	-0.002	0.003	0.568	0.002	52.577	TRUE	9.00E-12
FVC	GHITM	rs72837985	T	C	0.139	0.019	0.046	3.80E-13	-0.007	0.006	0.215	0.002	52.742	TRUE	2.85E-11
FVC	GHITM	rs74322543	G	A	0.155	0.024	0.032	1.32E-10	0.003	0.008	0.767	0.001	41.276	TRUE	1.05E-09
FVC	GHITM	rs77188443	A	G	0.534	0.017	0.060	2.46E-226	-0.012	0.005	0.023	0.032	1031.507	TRUE	2.01E-199
FVC	GHITM	rs7914047	T	A	0.119	0.012	0.144	9.34E-23	0.005	0.003	0.121	0.003	96.403	TRUE	1.68E-19
FVC	GLB1	rs11717007	C	A	0.200	0.009	0.230	9.39E-100	0.010	0.003	2.21E-04	0.014	449.447	TRUE	2.20E-83
FVC	GLB1	rs12186107	T	C	0.104	0.011	0.148	1.63E-19	0.006	0.003	0.047	0.003	81.633	TRUE	3.35E-16
FVC	GLB1	rs148730537	T	C	0.214	0.027	0.027	5.34E-15	0.012	0.007	0.079	0.002	61.127	TRUE	1.78E-12
FVC	GLB1	rs35289681	A	G	-0.251	0.036	0.016	3.17E-12	0.000	0.008	0.999	0.002	48.578	TRUE	1.98E-11
FVC	GLB1	rs35480293	A	C	-0.178	0.011	0.171	5.68E-64	-0.001	0.003	0.876	0.009	285.126	TRUE	6.17E-59
FVC	GLB1	rs35548241	G	A	-0.130	0.009	0.254	3.10E-46	-0.010	0.003	2.37E-04	0.006	203.787	TRUE	3.85E-37
FVC	GLB1	rs60761526	G	A	-0.083	0.009	0.286	6.85E-21	-0.008	0.003	0.003	0.003	87.904	TRUE	1.89E-16
FVC	GLB1	rs62250478	T	C	0.088	0.008	0.393	6.26E-27	-0.002	0.002	0.439	0.004	115.448	TRUE	4.41E-24
FVC	GLB1	rs6773595	T	C	0.146	0.011	0.175	1.13E-43	-0.001	0.003	0.657	0.006	192.043	TRUE	7.80E-40
FVC	GLB1	rs7628519	T	G	0.052	0.009	0.257	1.41E-08	0.000	0.003	0.963	0.001	32.165	TRUE	5.09E-08
FVC	GLB1	rs9810955	A	G	-0.228	0.029	0.020	8.83E-15	0.020	0.008	0.011	0.002	60.136	TRUE	1.24E-11
FVC	GLB1	rs9827453	T	C	0.224	0.025	0.026	9.94E-19	-0.014	0.009	0.100	0.002	78.067	TRUE	7.92E-16
FVC	GLS	rs115938555	A	G	-0.144	0.022	0.043	2.51E-11	0.008	0.007	0.251	0.001	44.521	TRUE	1.00E-09
FVC	GLS	rs116520924	A	G	0.171	0.024	0.034	5.30E-13	-0.007	0.006	0.241	0.002	52.087	TRUE	3.39E-11
FVC	GLS	rs116681266	A	G	0.271	0.025	0.032	1.91E-27	-0.006	0.006	0.274	0.004	117.802	TRUE	3.42E-24
FVC	GLS	rs117660443	A	G	0.325	0.054	0.051	2.44E-09	-0.003	0.013	0.852	0.001	35.584	TRUE	1.27E-08
FVC	GLS	rs13012785	A	T	0.104	0.016	0.070	8.84E-11	-0.003	0.005	0.510	0.001	42.060	TRUE	1.34E-09
FVC	GLS	rs13410837	G	A	0.237	0.029	0.024	4.23E-16	0.001	0.007	0.900	0.002	66.122	TRUE	6.63E-15
FVC	GLS	rs145048940	C	A	0.265	0.031	0.021	2.61E-17	0.004	0.008	0.626	0.002	71.618	TRUE	1.14E-15
FVC	GLS	rs35672585	A	G	0.076	0.011	0.154	6.16E-12	-0.005	0.003	0.130	0.001	47.277	TRUE	5.71E-10
FVC	GLS	rs3755311	A	G	0.173	0.029	0.020	4.40E-09	-0.012	0.008	0.136	0.001	34.436	TRUE	1.59E-07
FVC	GLS	rs3860472	T	C	0.230	0.032	0.024	3.85E-13	-0.006	0.008	0.451	0.002	52.713	TRUE	1.19E-11
FVC	GLS	rs41382444	T	C	-0.126	0.017	0.064	2.80E-14	0.002	0.005	0.644	0.002	57.866	TRUE	6.20E-13
FVC	GLS	rs4366932	T	C	0.123	0.008	0.376	1.01E-50	-0.002	0.002	0.496	0.007	224.351	TRUE	6.83E-46
FVC	GLS	rs4438514	A	G	0.094	0.008	0.354	2.98E-29	-0.011	0.002	1.47E-05	0.004	126.055	TRUE	7.69E-22
FVC	GLS	rs45526631	T	C	-0.193	0.024	0.030	1.08E-15	0.004	0.008	0.630	0.002	64.271	TRUE	3.39E-14
FVC	GLS	rs62179713	T	C	0.187	0.031	0.020	1.85E-09	0.001	0.009	0.900	0.001	36.125	TRUE	8.93E-09
FVC	GLS	rs62181023	G	T	-0.085	0.012	0.148	1.91E-12	0.003	0.003	0.451	0.002	49.567	TRUE	5.03E-11
FVC	GLS	rs6733720	G	C	-0.113	0.010	0.182	5.45E-28	0.005	0.003	0.123	0.004	120.290	TRUE	4.01E-24
FVC	GLS	rs72913156	A	C	0.070	0.008	0.403	2.79E-17	0.005	0.002	0.035	0.002	71.486	TRUE	4.03E-14
FVC	GLS	rs887695	T	C	0.095	0.009	0.254	3.67E-25	-0.010	0.003	2.04E-04	0.003	107.377	TRUE	3.29E-19
FVC	GM2A	rs10045859	T	C	-0.056	0.009	0.352	8.56E-10	0.000	0.003	0.920	0.001	37.626	TRUE	4.06E-09
FVC	GM2A	rs10060349	C	T	0.784	0.018	0.061	0.00E+00	-0.004	0.005	0.425	0.059	1974.649	TRUE	0.00E+00
FVC	GM2A	rs10070213	T	C	-0.151	0.020	0.048	1.50E-13	-0.002	0.006	0.737	0.002	54.564	TRUE	2.27E-12

FVC	GM2A	rs10440734	G	T	-0.085	0.009	0.426	2.94E-22	0.003	0.002	0.214	0.003	94.131	TRUE	2.34E-19
FVC	GM2A	rs10515640	T	C	-0.050	0.009	0.383	2.46E-08	0.001	0.002	0.853	0.001	31.088	TRUE	1.10E-07
FVC	GM2A	rs1061837	A	G	0.220	0.009	0.475	8.68E-138	-0.006	0.002	0.016	0.019	624.261	TRUE	2.24E-120
FVC	GM2A	rs10875565	A	G	-0.085	0.009	0.434	1.54E-19	0.002	0.003	0.520	0.003	81.756	TRUE	1.51E-17
FVC	GM2A	rs113923178	T	C	-0.240	0.021	0.050	1.59E-31	-0.003	0.005	0.608	0.004	136.441	TRUE	1.28E-28
FVC	GM2A	rs114820526	T	C	-0.285	0.044	0.014	1.13E-10	0.025	0.012	0.031	0.001	41.584	TRUE	1.91E-08
FVC	GM2A	rs115928949	G	A	-0.148	0.016	0.086	2.95E-20	0.001	0.005	0.799	0.003	85.013	TRUE	1.36E-18
FVC	GM2A	rs115971012	C	T	0.145	0.026	0.035	3.70E-08	0.007	0.008	0.407	0.001	30.301	TRUE	3.94E-07
FVC	GM2A	rs116376669	A	C	0.365	0.034	0.019	1.23E-26	-0.006	0.008	0.433	0.004	114.115	TRUE	8.07E-24
FVC	GM2A	rs11743219	A	G	0.481	0.012	0.135	0.00E+00	-0.012	0.003	1.70E-04	0.045	1486.599	TRUE	7.11E-281
FVC	GM2A	rs11948623	G	A	-0.218	0.010	0.279	2.38E-113	-0.001	0.003	0.611	0.016	511.921	TRUE	2.44E-103
FVC	GM2A	rs13180182	T	C	0.206	0.013	0.128	6.63E-57	-0.004	0.004	0.312	0.008	252.704	TRUE	6.22E-51
FVC	GM2A	rs13181806	A	G	-0.159	0.019	0.059	1.18E-17	-0.005	0.005	0.378	0.002	73.180	TRUE	1.32E-15
FVC	GM2A	rs137896815	T	C	-0.290	0.022	0.040	1.16E-38	0.003	0.006	0.661	0.005	169.094	TRUE	3.01E-35
FVC	GM2A	rs137921084	G	A	1.144	0.030	0.025	0.00E+00	-0.022	0.008	0.005	0.044	1471.452	TRUE	7.50E-282
FVC	GM2A	rs140327682	A	G	-0.295	0.047	0.017	3.24E-10	0.008	0.016	0.635	0.001	39.524	TRUE	3.18E-09
FVC	GM2A	rs141907998	T	C	0.509	0.029	0.026	9.78E-67	-0.003	0.009	0.727	0.009	297.813	TRUE	4.23E-61
FVC	GM2A	rs149799009	A	C	0.092	0.016	0.078	2.00E-08	-0.009	0.004	0.029	0.001	31.488	TRUE	1.58E-06
FVC	GM2A	rs153450	A	G	0.386	0.010	0.216	2.56E-297	-0.005	0.003	0.079	0.041	1358.115	TRUE	1.42E-264
FVC	GM2A	rs153472	C	T	-0.338	0.008	0.453	0.00E+00	0.003	0.002	0.165	0.048	1587.577	TRUE	0.00E+00
FVC	GM2A	rs2112635	C	T	0.064	0.009	0.333	4.14E-12	0.000	0.003	0.981	0.002	48.055	TRUE	2.73E-11
FVC	GM2A	rs2346027	C	T	0.109	0.009	0.422	5.84E-35	0.003	0.002	0.298	0.005	152.153	TRUE	5.08E-31
FVC	GM2A	rs248429	A	T	-0.209	0.010	0.238	3.57E-94	0.008	0.003	0.005	0.013	423.808	TRUE	1.40E-80
FVC	GM2A	rs248455	T	C	-0.183	0.015	0.100	1.65E-32	0.015	0.004	3.15E-04	0.004	140.935	TRUE	1.54E-25
FVC	GM2A	rs248457	T	G	0.152	0.010	0.353	5.17E-57	0.002	0.003	0.363	0.008	253.200	TRUE	3.04E-51
FVC	GM2A	rs248458	A	G	0.287	0.010	0.313	1.01E-188	-0.002	0.003	0.450	0.026	858.481	TRUE	6.20E-171
FVC	GM2A	rs3097795	G	A	-0.274	0.009	0.357	7.33E-205	0.002	0.003	0.540	0.029	932.725	TRUE	4.35E-186
FVC	GM2A	rs34594711	T	C	-0.203	0.018	0.075	6.69E-31	0.006	0.005	0.161	0.004	133.588	TRUE	7.15E-27
FVC	GM2A	rs35108910	C	A	0.226	0.022	0.040	8.15E-24	-0.019	0.006	0.001	0.003	101.233	TRUE	1.48E-18
FVC	GM2A	rs35120264	T	C	0.312	0.026	0.031	4.37E-34	-0.008	0.007	0.229	0.005	148.154	TRUE	5.11E-30
FVC	GM2A	rs352702	T	C	-0.205	0.018	0.086	3.05E-31	0.003	0.004	0.428	0.004	135.147	TRUE	5.26E-28
FVC	GM2A	rs365113	G	A	-0.087	0.012	0.172	5.81E-14	0.007	0.003	0.036	0.002	56.432	TRUE	2.70E-11
FVC	GM2A	rs3797875	A	G	-0.068	0.011	0.190	1.09E-09	-0.003	0.003	0.378	0.001	37.162	TRUE	1.89E-08
FVC	GM2A	rs4484410	A	G	-0.247	0.021	0.048	5.70E-33	-0.008	0.006	0.175	0.004	143.051	TRUE	8.28E-29
FVC	GM2A	rs55823924	G	A	0.665	0.033	0.020	6.78E-88	-0.006	0.007	0.392	0.012	394.966	TRUE	2.57E-79
FVC	GM2A	rs61191955	A	C	-0.077	0.011	0.259	1.27E-11	-0.002	0.003	0.507	0.001	45.857	TRUE	2.27E-10
FVC	GM2A	rs66495175	A	C	0.089	0.015	0.096	7.51E-09	0.008	0.004	0.057	0.001	33.397	TRUE	4.50E-07
FVC	GM2A	rs66693652	A	G	0.105	0.014	0.208	8.32E-15	-0.001	0.003	0.788	0.002	60.254	TRUE	1.36E-13
FVC	GM2A	rs67910448	A	T	-0.117	0.012	0.172	2.76E-24	-0.001	0.003	0.870	0.003	103.378	TRUE	2.02E-22
FVC	GM2A	rs6891880	G	A	0.050	0.009	0.433	1.57E-08	0.008	0.002	9.51E-04	0.001	31.968	TRUE	5.36E-06
FVC	GM2A	rs6897702	A	C	-0.204	0.012	0.170	2.09E-68	0.001	0.003	0.654	0.010	305.475	TRUE	2.00E-62
FVC	GM2A	rs72790122	A	G	0.171	0.021	0.053	3.91E-16	0.002	0.005	0.708	0.002	66.278	TRUE	1.06E-14

FVC	GM2A	rs72790168	T	C	0.493	0.017	0.070	1.66E-188	-0.004	0.005	0.396	0.026	857.503	TRUE	1.87E-170
FVC	GM2A	rs72798369	T	C	0.313	0.031	0.026	2.42E-23	-0.001	0.007	0.911	0.003	99.080	TRUE	1.34E-21
FVC	GM2A	rs74415159	A	G	-0.162	0.025	0.042	7.31E-11	0.010	0.006	0.080	0.001	42.432	TRUE	6.78E-09
FVC	GM2A	rs74823953	T	C	-0.327	0.050	0.015	5.09E-11	0.007	0.011	0.498	0.001	43.139	TRUE	8.37E-10
FVC	GM2A	rs74925736	G	A	0.740	0.037	0.020	2.51E-90	-0.012	0.007	0.098	0.013	406.135	TRUE	9.87E-80
FVC	GM2A	rs75146152	T	C	0.150	0.026	0.037	1.03E-08	-0.005	0.006	0.395	0.001	32.790	TRUE	1.29E-07
FVC	GM2A	rs75252609	T	C	-0.152	0.028	0.029	3.50E-08	0.007	0.006	0.294	0.001	30.405	TRUE	5.08E-07
FVC	GM2A	rs7718108	A	G	-0.119	0.016	0.080	1.01E-13	0.008	0.004	0.079	0.002	55.345	TRUE	2.31E-11
FVC	GM2A	rs7724949	A	G	-0.083	0.013	0.121	5.01E-10	0.003	0.004	0.490	0.001	38.671	TRUE	6.56E-09
FVC	GM2A	rs77399794	T	C	-0.132	0.014	0.107	7.25E-21	-0.001	0.004	0.724	0.003	87.792	TRUE	4.65E-19
FVC	GM2A	rs77899761	C	T	-0.100	0.010	0.227	5.30E-22	0.004	0.003	0.130	0.003	92.967	TRUE	6.98E-19
FVC	GM2A	rs79604591	C	A	-0.186	0.023	0.048	1.17E-15	-0.002	0.005	0.718	0.002	64.124	TRUE	2.85E-14
FVC	GM2A	rs80027325	C	T	0.999	0.023	0.040	0.00E+00	0.003	0.006	0.602	0.058	1956.206	TRUE	0.00E+00
FVC	GM2A	rs9324675	T	C	0.170	0.013	0.133	1.88E-40	-0.001	0.004	0.774	0.006	177.289	TRUE	4.04E-37
FVC	GNAI2	rs2097247	T	C	-0.115	0.015	0.088	6.05E-15	-0.012	0.004	0.002	0.002	60.883	TRUE	2.24E-11
FVC	GNAI3	rs1051137	T	A	-0.171	0.008	0.368	3.20E-94	0.001	0.003	0.690	0.013	424.027	TRUE	3.94E-86
FVC	GNAI3	rs114338562	G	A	0.254	0.044	0.013	6.59E-09	-0.004	0.009	0.643	0.001	33.650	TRUE	4.86E-08
FVC	GNAI3	rs115181845	T	C	0.176	0.016	0.068	2.74E-28	-0.007	0.005	0.124	0.004	121.653	TRUE	2.02E-24
FVC	GNAI3	rs115455243	C	T	-0.616	0.028	0.025	2.89E-104	-0.004	0.008	0.628	0.015	470.174	TRUE	4.19E-95
FVC	GNAI3	rs115678477	T	C	-0.252	0.032	0.019	6.81E-15	-0.003	0.008	0.712	0.002	60.649	TRUE	1.42E-13
FVC	GNAI3	rs12034749	G	A	-0.139	0.013	0.117	2.15E-25	-0.008	0.004	0.031	0.003	108.431	TRUE	4.06E-21
FVC	GNAI3	rs12036884	A	G	-0.110	0.015	0.073	9.46E-13	-0.006	0.005	0.241	0.002	50.950	TRUE	5.74E-11
FVC	GNAI3	rs12119154	A	G	0.107	0.017	0.057	6.66E-10	0.006	0.005	0.196	0.001	38.116	TRUE	2.29E-08
FVC	GNAI3	rs12736389	C	G	0.099	0.011	0.179	1.61E-20	-0.001	0.003	0.716	0.003	86.210	TRUE	9.79E-19
FVC	GNAI3	rs1277034	A	T	0.060	0.009	0.263	3.49E-11	0.002	0.003	0.472	0.001	43.880	TRUE	6.53E-10
FVC	GNAI3	rs1277932	C	T	-0.051	0.008	0.371	7.87E-10	0.003	0.003	0.313	0.001	37.791	TRUE	1.65E-08
FVC	GNAI3	rs139718045	G	C	0.108	0.019	0.062	7.97E-09	-0.002	0.005	0.731	0.001	33.279	TRUE	4.77E-08
FVC	GNAI3	rs141169907	T	C	-0.694	0.043	0.015	1.15E-59	-0.003	0.009	0.728	0.008	265.361	TRUE	1.27E-54
FVC	GNAI3	rs1434284	C	T	-0.137	0.019	0.045	1.24E-12	0.007	0.007	0.344	0.002	50.413	TRUE	4.79E-11
FVC	GNAI3	rs149980943	T	C	0.348	0.031	0.018	7.80E-29	0.005	0.010	0.606	0.004	124.145	TRUE	3.74E-26
FVC	GNAI3	rs1608916	T	A	-0.463	0.012	0.131	0.00E+00	-0.004	0.004	0.232	0.048	1611.564	TRUE	0.00E+00
FVC	GNAI3	rs17035630	A	G	-0.141	0.012	0.145	8.66E-33	-0.008	0.004	0.031	0.004	142.222	TRUE	1.25E-27
FVC	GNAI3	rs17035665	T	C	0.108	0.010	0.189	3.75E-26	0.000	0.003	0.966	0.004	111.900	TRUE	2.77E-24
FVC	GNAI3	rs17645143	C	T	-0.132	0.009	0.302	5.21E-52	0.005	0.003	0.047	0.007	230.254	TRUE	6.92E-45
FVC	GNAI3	rs41299561	C	T	-0.805	0.052	0.015	3.58E-54	0.000	0.011	0.978	0.008	240.173	TRUE	3.73E-50
FVC	GNAI3	rs476641	G	C	-0.290	0.008	0.348	1.27E-274	-0.006	0.003	0.023	0.038	1253.672	TRUE	1.71E-242
FVC	GNAI3	rs518076	G	A	0.496	0.013	0.096	1.15E-302	0.009	0.004	0.018	0.043	1414.914	TRUE	5.33E-273
FVC	GNAI3	rs56380049	T	C	0.200	0.017	0.057	2.57E-30	0.001	0.005	0.770	0.004	130.916	TRUE	8.69E-28
FVC	GNAI3	rs659782	T	C	-0.159	0.017	0.057	1.61E-20	0.006	0.005	0.192	0.003	86.213	TRUE	9.63E-18
FVC	GNAI3	rs6693815	T	C	0.069	0.010	0.208	4.50E-12	0.000	0.003	0.969	0.002	47.892	TRUE	2.92E-11
FVC	GNAI3	rs672569	A	G	0.105	0.011	0.167	2.14E-22	0.000	0.003	0.900	0.003	94.760	TRUE	1.04E-20
FVC	GNAI3	rs72647804	G	A	-0.172	0.028	0.026	8.36E-10	-0.010	0.006	0.077	0.001	37.673	TRUE	5.58E-08

FVC	GNAI3	rs76912669	C	T	-0.547	0.016	0.066	1.80E-261	-0.007	0.005	0.163	0.036	1193.168	TRUE	3.99E-234
FVC	GNAI3	rs77677721	T	A	0.362	0.026	0.028	1.07E-42	-0.008	0.007	0.268	0.006	187.568	TRUE	6.69E-38
FVC	GNPTG	rs11248873	T	C	-0.057	0.010	0.405	9.29E-09	0.001	0.002	0.798	0.001	32.982	TRUE	4.77E-08
FVC	GNPTG	rs113424510	C	T	0.162	0.013	0.148	2.26E-35	-0.002	0.003	0.607	0.005	154.037	TRUE	4.25E-32
FVC	GNPTG	rs113575698	G	C	0.128	0.023	0.068	1.66E-08	-0.005	0.005	0.274	0.001	31.859	TRUE	2.79E-07
FVC	GNPTG	rs116345826	A	G	0.217	0.016	0.102	1.71E-41	-0.007	0.004	0.064	0.006	182.059	TRUE	1.17E-35
FVC	GNPTG	rs12925270	A	C	-0.072	0.013	0.188	1.22E-08	-0.005	0.003	0.123	0.001	32.459	TRUE	4.02E-07
FVC	GNPTG	rs140532679	G	A	0.297	0.051	0.018	5.69E-09	0.006	0.009	0.522	0.001	33.936	TRUE	5.55E-08
FVC	GNPTG	rs2281194	A	G	0.063	0.009	0.420	4.05E-13	-0.003	0.002	0.187	0.002	52.617	TRUE	3.34E-11
FVC	GNPTG	rs28444604	A	G	-0.088	0.014	0.121	3.98E-10	0.008	0.004	0.042	0.001	39.122	TRUE	4.65E-08
FVC	GNPTG	rs28541713	G	C	-0.186	0.026	0.033	4.53E-13	-0.006	0.007	0.426	0.002	52.394	TRUE	1.47E-11
FVC	GNPTG	rs36032546	T	G	0.158	0.021	0.056	3.57E-14	-0.007	0.005	0.135	0.002	57.386	TRUE	5.72E-12
FVC	GNPTG	rs36105643	T	C	0.122	0.017	0.069	6.20E-13	-0.008	0.004	0.037	0.002	51.779	TRUE	1.99E-10
FVC	GNPTG	rs3759937	A	C	-0.135	0.013	0.117	7.08E-24	0.017	0.004	3.97E-05	0.003	101.511	TRUE	1.04E-17
FVC	GNPTG	rs4984778	C	G	0.067	0.010	0.267	5.67E-12	-0.003	0.003	0.218	0.001	47.439	TRUE	3.13E-10
FVC	GNPTG	rs4984820	T	C	0.340	0.018	0.070	8.11E-81	-0.008	0.004	0.045	0.011	362.460	TRUE	1.94E-70
FVC	GNPTG	rs4984832	C	T	0.129	0.010	0.475	1.25E-36	-0.010	0.002	1.71E-05	0.005	159.786	TRUE	3.56E-28
FVC	GNS	rs1008159	C	T	-0.186	0.013	0.113	5.75E-50	0.004	0.004	0.315	0.007	220.888	TRUE	1.19E-44
FVC	GNS	rs10459261	G	C	0.087	0.015	0.078	4.17E-09	-0.008	0.005	0.088	0.001	34.542	TRUE	2.11E-07
FVC	GNS	rs111381048	T	G	-0.086	0.015	0.083	1.24E-08	-0.005	0.004	0.252	0.001	32.415	TRUE	2.32E-07
FVC	GNS	rs11175598	G	T	0.119	0.021	0.042	7.52E-09	0.001	0.006	0.819	0.001	33.393	TRUE	3.77E-08
FVC	GNS	rs11175628	C	A	-0.094	0.014	0.100	9.28E-12	-0.002	0.004	0.663	0.001	46.471	TRUE	1.18E-10
FVC	GNS	rs1147093	A	G	-0.173	0.008	0.397	7.85E-102	0.007	0.002	0.004	0.014	458.994	TRUE	2.65E-87
FVC	GNS	rs11615626	G	T	0.080	0.008	0.351	9.02E-22	0.002	0.003	0.362	0.003	91.916	TRUE	2.83E-19
FVC	GNS	rs12824259	T	C	0.125	0.011	0.158	4.74E-30	-0.002	0.003	0.558	0.004	129.700	TRUE	3.47E-27
FVC	GNS	rs1373877	C	T	-0.085	0.008	0.464	5.98E-27	0.006	0.002	0.011	0.004	115.538	TRUE	4.82E-22
FVC	GNS	rs143922148	T	C	0.151	0.024	0.032	1.20E-10	0.014	0.008	0.061	0.001	41.455	TRUE	1.27E-08
FVC	GNS	rs1566318	A	G	0.046	0.008	0.414	1.36E-08	-0.011	0.002	7.66E-06	0.001	32.235	TRUE	2.07E-05
FVC	GNS	rs17100718	T	G	-0.156	0.021	0.041	2.44E-13	0.014	0.006	0.021	0.002	53.615	TRUE	1.39E-10
FVC	GNS	rs1716487	T	G	0.064	0.008	0.450	1.11E-15	-0.003	0.002	0.184	0.002	64.214	TRUE	1.82E-13
FVC	GNS	rs17823705	G	A	0.139	0.012	0.132	1.46E-32	0.004	0.004	0.247	0.004	141.187	TRUE	1.07E-28
FVC	GNS	rs34895146	T	C	0.163	0.023	0.040	6.35E-13	-0.001	0.006	0.941	0.002	51.733	TRUE	5.19E-12
FVC	GNS	rs59270299	C	T	-0.501	0.032	0.019	2.10E-54	0.000	0.011	0.988	0.008	241.233	TRUE	2.20E-50
FVC	GPX1	rs11130203	A	G	-0.111	0.009	0.307	4.80E-35	0.013	0.003	4.15E-07	0.005	152.543	TRUE	9.35E-26
FVC	GSDMA	rs10852939	T	C	-0.071	0.011	0.223	1.38E-10	-0.004	0.003	0.174	0.001	41.193	TRUE	6.28E-09
FVC	GSDMA	rs115334808	T	C	0.604	0.028	0.029	1.70E-105	-0.014	0.010	0.152	0.015	475.829	TRUE	6.84E-94
FVC	GSDMA	rs12450388	C	T	-0.109	0.010	0.426	2.69E-30	-0.001	0.002	0.685	0.004	130.829	TRUE	1.29E-27
FVC	GSDMA	rs12943633	T	C	0.239	0.015	0.090	1.08E-55	0.008	0.004	0.067	0.008	247.146	TRUE	2.07E-48
FVC	GSDMA	rs12948025	A	G	0.344	0.035	0.021	1.82E-23	0.014	0.009	0.114	0.003	99.646	TRUE	4.57E-20
FVC	GSDMA	rs138641382	A	G	0.439	0.034	0.022	6.46E-39	0.010	0.010	0.297	0.005	170.260	TRUE	1.36E-34
FVC	GSDMA	rs144485976	T	C	0.446	0.073	0.017	1.18E-09	-0.003	0.015	0.822	0.001	37.001	TRUE	6.87E-09
FVC	GSDMA	rs146007532	A	G	0.532	0.051	0.019	2.48E-25	-0.001	0.010	0.922	0.003	108.153	TRUE	1.89E-23

FVC	GSDMA	rs146183840	C	T	0.665	0.049	0.013	1.66E-41	-0.008	0.011	0.458	0.006	182.114	TRUE	2.22E-37
FVC	GSDMA	rs146767035	A	G	-0.223	0.031	0.028	7.93E-13	0.005	0.007	0.458	0.002	51.296	TRUE	2.24E-11
FVC	GSDMA	rs147180766	A	C	0.374	0.043	0.018	1.93E-18	0.005	0.009	0.576	0.002	76.754	TRUE	1.26E-16
FVC	GSDMA	rs150597587	C	T	-0.198	0.023	0.049	4.35E-18	0.001	0.005	0.826	0.002	75.151	TRUE	1.20E-16
FVC	GSDMA	rs151114485	A	G	0.398	0.032	0.025	8.05E-36	0.017	0.008	0.027	0.005	156.091	TRUE	3.44E-30
FVC	GSDMA	rs16965465	A	G	0.516	0.071	0.061	4.02E-13	-0.045	0.022	0.037	0.002	52.629	TRUE	1.39E-10
FVC	GSDMA	rs28431963	C	T	0.137	0.016	0.098	8.74E-18	0.002	0.004	0.672	0.002	73.774	TRUE	3.65E-16
FVC	GSDMA	rs55875103	T	C	0.129	0.013	0.132	1.76E-23	0.011	0.003	5.71E-04	0.003	99.709	TRUE	3.98E-18
FVC	GSDMA	rs62066594	A	G	0.060	0.010	0.254	2.82E-09	-0.004	0.003	0.209	0.001	35.301	TRUE	7.47E-08
FVC	GSDMA	rs62066986	T	C	-0.134	0.021	0.049	1.25E-10	0.007	0.005	0.120	0.001	41.376	TRUE	7.94E-09
FVC	GSDMA	rs62068170	G	A	-0.242	0.009	0.432	2.20E-173	0.000	0.002	0.899	0.024	787.940	TRUE	4.38E-159
FVC	GSDMA	rs6503743	A	G	0.061	0.010	0.280	2.57E-10	0.000	0.003	0.983	0.001	39.973	TRUE	1.24E-09
FVC	GSDMA	rs7212868	C	A	0.083	0.010	0.275	3.96E-17	-0.015	0.003	3.25E-09	0.002	70.791	TRUE	8.49E-11
FVC	GSDMA	rs72825107	G	A	0.497	0.042	0.018	1.10E-32	0.030	0.009	8.53E-04	0.004	141.753	TRUE	5.46E-26
FVC	GSDMA	rs72834789	C	T	0.200	0.013	0.129	2.64E-54	0.002	0.003	0.531	0.008	240.782	TRUE	3.05E-49
FVC	GSDMA	rs75248071	A	C	0.153	0.016	0.092	1.46E-20	-0.001	0.004	0.845	0.003	86.406	TRUE	6.21E-19
FVC	GSDMA	rs78043676	C	A	0.217	0.031	0.024	1.53E-12	0.006	0.008	0.424	0.002	50.004	TRUE	4.47E-11
FVC	GSDMA	rs78279284	A	G	0.204	0.028	0.030	5.79E-13	-0.009	0.007	0.191	0.002	51.914	TRUE	4.78E-11
FVC	GSDMA	rs79375929	A	C	0.383	0.032	0.025	4.24E-32	0.013	0.009	0.123	0.004	139.066	TRUE	8.65E-28
FVC	GSDMA	rs8065244	G	C	0.753	0.013	0.105	0.00E+00	0.012	0.004	0.003	0.089	3112.860	TRUE	0.00E+00
FVC	GSDMA	rs9905305	A	G	0.331	0.011	0.167	1.72E-182	0.004	0.003	0.234	0.026	829.825	TRUE	5.89E-164
FVC	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	-0.003	0.006	0.581	0.003	100.450	TRUE	2.30E-21
FVC	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	0.012	0.006	0.049	0.002	59.231	TRUE	6.27E-12
FVC	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	-0.001	0.004	0.888	0.003	80.015	TRUE	1.05E-17
FVC	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	-0.001	0.006	0.932	0.004	136.489	TRUE	3.46E-29
FVC	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	0.008	0.006	0.138	0.009	296.275	TRUE	1.41E-58
FVC	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	0.013	0.007	0.076	0.013	406.342	TRUE	1.57E-79
FVC	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	-0.008	0.007	0.253	0.015	467.091	TRUE	7.23E-93
FVC	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	0.002	0.005	0.732	0.023	740.366	TRUE	4.85E-149
FVC	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	0.010	0.009	0.254	0.003	99.048	TRUE	1.91E-20
FVC	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	0.002	0.008	0.831	0.001	34.973	TRUE	1.77E-08
FVC	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	0.013	0.007	0.050	0.016	507.390	TRUE	8.73E-99
FVC	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	0.006	0.008	0.438	0.005	156.475	TRUE	2.99E-32
FVC	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	-0.005	0.006	0.444	0.009	283.165	TRUE	2.15E-57
FVC	GSDMB	rs11871317	G	C	-0.325	0.010	0.243	8.62E-230	0.009	0.003	0.001	0.032	1047.407	TRUE	3.45E-199
FVC	GSDMB	rs12449642	T	A	-0.411	0.010	0.202	0.00E+00	0.006	0.003	0.034	0.053	1778.099	TRUE	0.00E+00
FVC	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	-0.015	0.003	9.54E-07	0.092	3205.686	TRUE	0.00E+00
FVC	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	-0.001	0.002	0.685	0.005	167.364	TRUE	6.30E-35
FVC	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	0.002	0.003	0.397	0.031	1019.370	TRUE	3.06E-202
FVC	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	0.002	0.003	0.589	0.003	87.204	TRUE	1.01E-18
FVC	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	-0.003	0.009	0.718	0.016	503.835	TRUE	4.46E-102
FVC	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	-0.020	0.007	0.004	0.007	222.293	TRUE	8.32E-42

FVC	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	0.004	0.009	0.674	0.001	33.205	TRUE	5.59E-08
FVC	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	-0.015	0.011	0.189	0.001	33.754	TRUE	1.65E-07
FVC	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	0.001	0.006	0.902	0.011	352.288	TRUE	1.96E-72
FVC	GSDMB	rs142899349	C	T	-1.043	0.058	0.019	6.68E-72	-0.028	0.016	0.072	0.010	321.522	TRUE	6.21E-63
FVC	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	-0.016	0.010	0.114	0.002	47.640	TRUE	5.24E-10
FVC	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	0.016	0.010	0.114	0.002	59.413	TRUE	2.75E-12
FVC	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	-0.021	0.009	0.012	0.007	214.750	TRUE	5.40E-41
FVC	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	-0.002	0.008	0.842	0.001	37.506	TRUE	5.18E-09
FVC	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	-0.001	0.009	0.931	0.002	55.410	TRUE	9.41E-13
FVC	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	0.010	0.003	0.004	0.005	145.706	TRUE	2.69E-27
FVC	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	0.005	0.007	0.458	0.011	352.652	TRUE	3.45E-71
FVC	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	-0.007	0.009	0.421	0.002	76.968	TRUE	1.97E-16
FVC	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	-0.019	0.010	0.061	0.003	95.228	TRUE	6.41E-19
FVC	GSDMB	rs150260796	G	A	0.337	0.023	0.039	1.07E-47	0.000	0.009	0.984	0.007	210.474	TRUE	3.45E-44
FVC	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	0.005	0.011	0.690	0.001	45.430	TRUE	1.80E-10
FVC	GSDMB	rs150916518	T	C	-0.851	0.066	0.035	5.41E-38	0.025	0.027	0.357	0.005	166.033	TRUE	6.20E-34
FVC	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	0.006	0.004	0.179	0.001	35.981	TRUE	6.39E-08
FVC	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	0.003	0.011	0.751	0.001	36.499	TRUE	1.01E-08
FVC	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	-0.006	0.003	0.078	0.003	106.322	TRUE	3.59E-21
FVC	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	0.001	0.002	0.579	0.004	130.155	TRUE	2.55E-27
FVC	GSDMB	rs1733805	G	T	-0.084	0.012	0.119	5.13E-12	-0.007	0.003	0.040	0.002	47.634	TRUE	1.17E-09
FVC	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	-0.008	0.010	0.384	0.001	42.138	TRUE	1.85E-09
FVC	GSDMB	rs186413878	C	T	-0.794	0.096	0.021	1.85E-16	-0.004	0.018	0.816	0.002	67.752	TRUE	3.93E-15
FVC	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	-0.017	0.009	0.065	0.002	67.752	TRUE	1.18E-13
FVC	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	-0.005	0.005	0.276	0.003	98.282	TRUE	2.38E-20
FVC	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	-0.001	0.003	0.717	0.003	105.802	TRUE	1.22E-22
FVC	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	-0.006	0.004	0.084	0.007	222.121	TRUE	1.06E-43
FVC	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	0.001	0.006	0.922	0.006	179.383	TRUE	8.25E-38
FVC	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	-0.020	0.003	3.49E-13	0.048	1598.167	TRUE	6.26E-287
FVC	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	-0.008	0.004	0.030	0.002	50.240	TRUE	4.51E-10
FVC	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	0.005	0.006	0.399	0.019	624.369	TRUE	1.24E-124
FVC	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	0.001	0.003	0.775	0.168	6416.153	TRUE	0.00E+00
FVC	GSDMB	rs4420582	A	C	-0.195	0.026	0.029	3.46E-14	-0.009	0.007	0.221	0.002	57.449	TRUE	3.38E-12
FVC	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	-0.002	0.005	0.742	0.004	121.191	TRUE	8.65E-26
FVC	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	-0.005	0.003	0.059	0.005	165.347	TRUE	1.76E-32
FVC	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	-0.001	0.010	0.930	0.002	52.472	TRUE	3.74E-12
FVC	GSDMB	rs506728	C	G	-0.122	0.010	0.200	7.12E-35	-0.003	0.003	0.232	0.005	151.758	TRUE	9.18E-31
FVC	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	0.004	0.003	0.204	0.005	167.025	TRUE	1.27E-33
FVC	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	0.009	0.006	0.162	0.003	91.090	TRUE	1.36E-18
FVC	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	-0.003	0.011	0.812	0.002	72.620	TRUE	4.11E-16
FVC	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	0.004	0.007	0.566	0.002	51.211	TRUE	1.66E-11
FVC	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	0.003	0.006	0.561	0.003	107.555	TRUE	9.37E-23

FVC	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	-0.002	0.004	0.634	0.002	59.440	TRUE	3.16E-13
FVC	GSDMB	rs7214466	C	T	0.144	0.010	0.279	3.90E-49	0.003	0.003	0.257	0.007	217.078	TRUE	1.21E-43
FVC	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	-0.006	0.008	0.406	0.002	67.584	TRUE	1.52E-14
FVC	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	0.001	0.005	0.786	0.006	190.987	TRUE	7.03E-40
FVC	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	0.001	0.005	0.817	0.001	34.801	TRUE	1.99E-08
FVC	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	0.023	0.008	0.002	0.006	185.558	TRUE	1.27E-34
FVC	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	0.020	0.012	0.088	0.002	71.753	TRUE	1.50E-14
FVC	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	0.002	0.003	0.425	0.060	2016.058	TRUE	0.00E+00
FVC	GSDMB	rs72832924	T	C	0.451	0.010	0.170	0.00E+00	0.013	0.003	3.14E-05	0.056	1893.225	TRUE	0.00E+00
FVC	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	-0.019	0.007	0.008	0.003	90.712	TRUE	3.24E-17
FVC	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	-0.008	0.004	0.052	0.026	839.055	TRUE	2.27E-163
FVC	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	-0.011	0.008	0.127	0.003	97.751	TRUE	8.99E-20
FVC	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	-0.009	0.006	0.117	0.010	324.865	TRUE	4.53E-64
FVC	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	-0.005	0.009	0.583	0.001	37.320	TRUE	1.00E-08
FVC	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	0.009	0.010	0.396	0.003	98.761	TRUE	1.05E-20
FVC	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	-0.006	0.005	0.199	0.001	33.061	TRUE	2.16E-07
FVC	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	-0.001	0.004	0.845	0.002	53.670	TRUE	2.66E-12
FVC	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	-0.008	0.011	0.447	0.001	34.662	TRUE	4.78E-08
FVC	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	0.003	0.009	0.745	0.004	129.419	TRUE	1.86E-27
FVC	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	0.012	0.008	0.156	0.007	215.754	TRUE	6.00E-43
FVC	GSDMB	rs75905358	C	G	0.299	0.010	0.210	3.78E-209	0.011	0.003	4.00E-05	0.029	952.447	TRUE	3.90E-178
FVC	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	-0.007	0.011	0.512	0.001	37.710	TRUE	9.84E-09
FVC	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	-0.008	0.008	0.316	0.017	536.325	TRUE	7.07E-107
FVC	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	-0.004	0.003	0.293	0.002	65.062	TRUE	7.27E-14
FVC	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	0.003	0.004	0.426	0.002	72.603	TRUE	1.42E-15
FVC	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	0.010	0.008	0.256	0.001	30.652	TRUE	5.11E-07
FVC	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	0.001	0.005	0.874	0.013	411.836	TRUE	2.95E-84
FVC	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	-0.009	0.007	0.227	0.003	81.876	TRUE	5.20E-17
FVC	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	0.017	0.006	0.004	0.019	624.240	TRUE	4.02E-119
FVC	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	0.001	0.003	0.620	0.005	154.490	TRUE	2.90E-32
FVC	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	0.002	0.002	0.392	0.003	81.045	TRUE	3.27E-17
FVC	GSDMB	rs8071312	A	G	-0.170	0.025	0.031	6.03E-12	0.003	0.006	0.566	0.001	47.318	TRUE	1.03E-10
FVC	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	-0.008	0.002	7.13E-04	0.001	31.239	TRUE	7.59E-06
FVC	GSK3B	rs114155753	T	C	0.296	0.021	0.042	1.73E-45	0.001	0.006	0.851	0.006	200.362	TRUE	7.11E-42
FVC	GSK3B	rs114321176	T	C	0.189	0.034	0.016	4.39E-08	-0.006	0.009	0.532	0.001	29.969	TRUE	3.43E-07
FVC	GSK3B	rs114688189	A	G	-0.202	0.035	0.015	1.06E-08	0.005	0.009	0.538	0.001	32.723	TRUE	9.43E-08
FVC	GSK3B	rs1259322	G	C	0.109	0.014	0.093	1.67E-15	0.000	0.004	0.992	0.002	63.422	TRUE	1.81E-14
FVC	GSK3B	rs12632325	C	G	0.249	0.010	0.206	4.74E-142	0.012	0.003	1.38E-04	0.020	643.859	TRUE	4.08E-120
FVC	GSK3B	rs12636534	A	G	0.150	0.011	0.147	3.35E-39	0.004	0.004	0.309	0.005	171.568	TRUE	7.18E-35
FVC	GSK3B	rs13077863	G	A	0.065	0.011	0.154	9.77E-09	0.005	0.003	0.120	0.001	32.884	TRUE	3.54E-07
FVC	GSK3B	rs1357459	C	T	0.050	0.009	0.308	1.92E-08	-0.002	0.003	0.561	0.001	31.573	TRUE	1.51E-07
FVC	GSK3B	rs143581696	A	C	0.224	0.027	0.026	6.92E-17	0.009	0.007	0.241	0.002	69.691	TRUE	1.19E-14

FVC	GSK3B	rs148919020	G	A	-0.191	0.029	0.024	7.32E-11	-0.009	0.009	0.319	0.001	42.430	TRUE	2.00E-09
FVC	GSK3B	rs1523130	T	C	0.055	0.008	0.396	2.05E-11	0.002	0.002	0.389	0.001	44.917	TRUE	5.20E-10
FVC	GSK3B	rs16829957	A	G	0.053	0.008	0.324	5.80E-10	0.001	0.003	0.829	0.001	38.385	TRUE	3.45E-09
FVC	GSK3B	rs187489241	G	A	-0.111	0.014	0.108	6.98E-16	-0.001	0.004	0.732	0.002	65.134	TRUE	1.68E-14
FVC	GSK3B	rs192958568	C	T	-0.199	0.030	0.021	6.67E-11	-0.010	0.009	0.291	0.001	42.612	TRUE	2.01E-09
FVC	GSK3B	rs28748088	C	A	0.147	0.013	0.101	7.36E-29	0.001	0.004	0.810	0.004	124.261	TRUE	1.64E-26
FVC	GSK3B	rs378759	A	G	0.103	0.015	0.080	1.84E-12	-0.002	0.005	0.607	0.002	49.649	TRUE	3.15E-11
FVC	GSK3B	rs4676777	G	C	-0.138	0.008	0.350	3.87E-62	-0.010	0.003	2.83E-05	0.009	276.712	TRUE	4.91E-50
FVC	GSK3B	rs4676818	C	G	0.057	0.010	0.182	3.84E-08	0.002	0.003	0.449	0.001	30.226	TRUE	3.66E-07
FVC	GSK3B	rs4688030	C	G	0.103	0.008	0.344	8.24E-35	0.005	0.003	0.058	0.005	151.468	TRUE	9.50E-30
FVC	GSK3B	rs6438550	G	A	0.155	0.017	0.061	1.58E-20	0.007	0.006	0.197	0.003	86.250	TRUE	9.00E-18
FVC	GSK3B	rs67369522	T	C	-0.273	0.021	0.042	3.87E-39	-0.011	0.006	0.102	0.005	171.280	TRUE	6.31E-34
FVC	GSK3B	rs6765483	T	A	0.303	0.009	0.260	6.31E-253	0.010	0.003	3.54E-04	0.035	1153.845	TRUE	4.71E-218
FVC	GSK3B	rs6772249	T	C	0.413	0.024	0.031	4.26E-66	0.016	0.007	0.013	0.009	294.880	TRUE	1.89E-56
FVC	GSK3B	rs73192055	A	G	-0.178	0.028	0.025	1.46E-10	0.006	0.008	0.432	0.001	41.073	TRUE	2.62E-09
FVC	GSK3B	rs74840836	T	C	0.171	0.028	0.022	1.32E-09	-0.008	0.010	0.419	0.001	36.779	TRUE	1.92E-08
FVC	GSK3B	rs749768	T	C	-0.156	0.009	0.308	1.11E-73	-0.002	0.003	0.473	0.010	329.698	TRUE	9.29E-67
FVC	GSK3B	rs787200	T	A	0.171	0.012	0.118	9.13E-44	0.008	0.004	0.026	0.006	192.471	TRUE	3.86E-37
FVC	GSK3B	rs79098551	G	T	0.140	0.024	0.032	1.12E-08	0.008	0.009	0.328	0.001	32.623	TRUE	1.67E-07
FVC	HIF1A	rs111522409	G	A	-0.305	0.019	0.044	1.73E-56	0.019	0.006	0.002	0.008	250.788	TRUE	7.90E-47
FVC	HIF1A	rs117934878	T	C	-0.279	0.035	0.020	7.28E-16	0.010	0.008	0.257	0.002	65.053	TRUE	8.99E-14
FVC	HIF1A	rs2253926	C	T	-0.056	0.009	0.273	2.79E-10	0.001	0.003	0.803	0.001	39.813	TRUE	1.95E-09
FVC	HIF1A	rs3783765	C	T	0.141	0.011	0.153	9.56E-38	-0.013	0.003	1.12E-04	0.005	164.901	TRUE	1.43E-29
FVC	HIF1A	rs77899560	G	A	-0.261	0.035	0.017	5.34E-14	0.013	0.011	0.249	0.002	56.598	TRUE	4.30E-12
FVC	HINT1	rs114252164	T	C	-0.391	0.056	0.016	3.24E-12	-0.007	0.008	0.422	0.002	48.533	TRUE	8.76E-11
FVC	HINT1	rs13174592	C	T	-0.111	0.014	0.247	7.20E-16	0.009	0.003	8.23E-04	0.002	65.072	TRUE	6.76E-12
FVC	HINT1	rs17165949	G	A	0.099	0.018	0.129	1.76E-08	0.006	0.004	0.102	0.001	31.735	TRUE	6.43E-07
FVC	HINT1	rs3864285	G	A	-0.695	0.033	0.032	1.24E-96	-0.019	0.007	0.009	0.014	435.113	TRUE	3.64E-83
FVC	HIP1	rs10255591	C	T	0.190	0.010	0.222	1.23E-74	-0.008	0.003	0.006	0.010	334.087	TRUE	2.17E-63
FVC	HIP1	rs10266630	T	C	-0.202	0.010	0.317	1.51E-85	0.005	0.003	0.054	0.012	384.186	TRUE	8.47E-75
FVC	HIP1	rs10954258	T	C	-0.291	0.009	0.452	1.06E-252	0.005	0.002	0.026	0.035	1152.803	TRUE	3.69E-223
FVC	HIP1	rs111362269	T	G	0.213	0.038	0.019	2.94E-08	0.010	0.010	0.355	0.001	30.745	TRUE	3.65E-07
FVC	HIP1	rs1124922	G	A	0.473	0.023	0.038	2.63E-95	-0.007	0.006	0.190	0.013	429.008	TRUE	5.16E-85
FVC	HIP1	rs113088829	C	T	0.343	0.021	0.052	2.12E-62	0.002	0.006	0.788	0.009	277.912	TRUE	2.78E-57
FVC	HIP1	rs113986316	A	G	0.163	0.026	0.034	1.67E-10	-0.013	0.007	0.072	0.001	40.812	TRUE	1.48E-08
FVC	HIP1	rs11465320	A	G	-0.296	0.025	0.039	1.36E-31	-0.007	0.006	0.262	0.004	136.750	TRUE	6.86E-28
FVC	HIP1	rs1167832	T	C	-0.121	0.012	0.147	9.86E-23	-0.002	0.003	0.630	0.003	96.297	TRUE	1.23E-20
FVC	HIP1	rs116971685	T	G	-0.303	0.027	0.035	7.13E-29	-0.005	0.006	0.467	0.004	124.324	TRUE	6.40E-26
FVC	HIP1	rs117117921	G	A	-0.479	0.033	0.023	3.49E-48	0.004	0.008	0.593	0.007	212.715	TRUE	8.67E-44
FVC	HIP1	rs117140329	A	G	0.244	0.033	0.024	2.05E-13	-0.002	0.007	0.792	0.002	53.948	TRUE	2.60E-12
FVC	HIP1	rs117253096	T	C	0.179	0.018	0.078	1.34E-22	-0.002	0.004	0.604	0.003	95.685	TRUE	1.81E-20
FVC	HIP1	rs117323938	T	C	-0.285	0.014	0.134	1.27E-94	0.001	0.003	0.761	0.013	425.870	TRUE	9.61E-87

FVC	HIP1	rs117605738	A	G	0.322	0.035	0.021	9.20E-20	0.027	0.008	0.001	0.003	82.768	TRUE	3.39E-15
FVC	HIP1	rs117649480	T	C	-0.500	0.072	0.012	4.36E-12	0.009	0.010	0.396	0.002	47.952	TRUE	1.24E-10
FVC	HIP1	rs117821749	A	G	-0.509	0.093	0.014	4.80E-08	-0.001	0.010	0.947	0.001	29.794	TRUE	1.65E-07
FVC	HIP1	rs117889072	G	A	0.466	0.029	0.032	5.43E-59	-0.010	0.006	0.105	0.008	262.275	TRUE	1.03E-51
FVC	HIP1	rs1179597	G	A	-0.382	0.012	0.147	5.34E-216	0.007	0.003	0.032	0.030	983.957	TRUE	9.95E-191
FVC	HIP1	rs1179607	C	T	-0.761	0.008	0.438	0.00E+00	0.006	0.002	0.020	0.244	10214.536	TRUE	0.00E+00
FVC	HIP1	rs1179635	T	C	-0.141	0.009	0.427	2.29E-58	-0.001	0.002	0.587	0.008	259.411	TRUE	4.39E-53
FVC	HIP1	rs118130327	A	G	0.203	0.016	0.194	1.00E-34	-0.003	0.003	0.408	0.005	151.080	TRUE	4.36E-31
FVC	HIP1	rs13227146	T	C	0.067	0.010	0.570	1.20E-11	-0.001	0.003	0.838	0.001	45.974	TRUE	9.85E-11
FVC	HIP1	rs13244544	A	G	-0.547	0.016	0.073	9.46E-243	0.014	0.004	0.001	0.034	1107.032	TRUE	1.66E-210
FVC	HIP1	rs139790402	C	T	0.400	0.018	0.060	5.06E-106	-0.002	0.005	0.756	0.015	478.249	TRUE	4.07E-97
FVC	HIP1	rs142525880	A	C	0.718	0.069	0.019	4.22E-25	-0.001	0.009	0.889	0.003	107.099	TRUE	3.42E-23
FVC	HIP1	rs142746230	A	T	-0.153	0.023	0.051	1.44E-11	-0.006	0.005	0.225	0.001	45.611	TRUE	6.73E-10
FVC	HIP1	rs142823055	G	A	-0.560	0.069	0.017	6.93E-16	-0.016	0.014	0.254	0.002	65.150	TRUE	8.84E-14
FVC	HIP1	rs142991897	A	G	-0.252	0.036	0.021	2.83E-12	-0.006	0.008	0.417	0.002	48.798	TRUE	7.83E-11
FVC	HIP1	rs143228644	C	T	0.459	0.020	0.063	3.45E-120	-0.007	0.005	0.160	0.017	543.359	TRUE	3.27E-107
FVC	HIP1	rs143388647	T	G	0.204	0.032	0.026	9.49E-11	-0.012	0.008	0.134	0.001	41.920	TRUE	5.78E-09
FVC	HIP1	rs144241916	T	C	-0.561	0.073	0.015	2.09E-14	0.010	0.013	0.428	0.002	58.442	TRUE	9.20E-13
FVC	HIP1	rs147472633	C	T	-0.548	0.027	0.031	1.49E-91	-0.011	0.007	0.134	0.013	411.770	TRUE	3.38E-81
FVC	HIP1	rs147867091	A	G	-0.134	0.022	0.053	1.45E-09	-0.001	0.005	0.799	0.001	36.602	TRUE	8.67E-09
FVC	HIP1	rs148332652	C	A	-0.279	0.043	0.016	9.76E-11	0.005	0.009	0.601	0.001	41.866	TRUE	1.16E-09
FVC	HIP1	rs149456817	C	T	-0.419	0.064	0.016	4.20E-11	0.004	0.012	0.713	0.001	43.515	TRUE	4.16E-10
FVC	HIP1	rs150660972	A	G	0.326	0.027	0.033	7.08E-33	-0.010	0.006	0.119	0.004	142.622	TRUE	1.84E-28
FVC	HIP1	rs17147106	A	G	0.236	0.038	0.045	6.35E-10	-0.005	0.006	0.384	0.001	38.207	TRUE	1.13E-08
FVC	HIP1	rs184269644	A	G	0.307	0.044	0.016	1.76E-12	0.005	0.013	0.703	0.002	49.733	TRUE	2.34E-11
FVC	HIP1	rs186995344	A	C	-0.441	0.060	0.021	1.33E-13	0.013	0.007	0.070	0.002	54.801	TRUE	3.29E-11
FVC	HIP1	rs190555161	C	A	0.354	0.038	0.019	1.49E-20	-0.015	0.011	0.174	0.003	86.366	TRUE	1.01E-17
FVC	HIP1	rs191630977	A	G	0.272	0.047	0.015	1.04E-08	-0.007	0.009	0.464	0.001	32.762	TRUE	1.10E-07
FVC	HIP1	rs237231	C	A	-0.202	0.014	0.131	4.98E-46	0.000	0.003	0.951	0.006	202.841	TRUE	1.35E-42
FVC	HIP1	rs2961032	C	T	-0.070	0.009	0.466	8.15E-16	0.004	0.002	0.124	0.002	64.831	TRUE	2.11E-13
FVC	HIP1	rs34606716	A	G	-0.110	0.011	0.244	2.18E-24	0.002	0.003	0.579	0.003	103.846	TRUE	4.95E-22
FVC	HIP1	rs34978788	T	C	0.355	0.031	0.027	8.43E-31	-0.017	0.008	0.027	0.004	133.131	TRUE	8.81E-26
FVC	HIP1	rs35949935	G	A	-0.280	0.011	0.209	4.57E-147	0.003	0.003	0.332	0.021	666.916	TRUE	1.14E-132
FVC	HIP1	rs3757598	A	G	0.144	0.010	0.235	8.44E-44	-0.004	0.003	0.188	0.006	192.626	TRUE	1.48E-38
FVC	HIP1	rs41281102	C	T	-0.399	0.030	0.028	4.52E-39	0.024	0.007	0.001	0.005	170.971	TRUE	1.64E-31
FVC	HIP1	rs41281689	T	G	0.334	0.036	0.021	2.77E-20	0.008	0.008	0.339	0.003	85.143	TRUE	6.67E-18
FVC	HIP1	rs41301427	A	G	-0.117	0.015	0.090	1.88E-14	0.009	0.004	0.028	0.002	58.647	TRUE	1.33E-11
FVC	HIP1	rs42184	T	G	0.162	0.012	0.148	1.02E-39	0.000	0.003	0.997	0.005	173.924	TRUE	7.33E-37
FVC	HIP1	rs55971722	A	G	-0.216	0.011	0.285	3.40E-85	0.001	0.003	0.785	0.012	382.561	TRUE	3.42E-78
FVC	HIP1	rs56254422	C	T	0.274	0.044	0.017	4.88E-10	-0.004	0.009	0.689	0.001	38.721	TRUE	4.08E-09
FVC	HIP1	rs58962145	C	T	0.220	0.023	0.045	1.20E-21	-0.007	0.006	0.253	0.003	91.357	TRUE	6.26E-19
FVC	HIP1	rs62475499	T	G	-0.571	0.013	0.115	0.00E+00	-0.003	0.004	0.393	0.056	1867.748	TRUE	0.00E+00

FVC	HIP1	rs66863639	A	G	0.238	0.010	0.319	3.10E-114	-0.002	0.003	0.406	0.016	515.996	TRUE	2.32E-103
FVC	HIP1	rs6958613	T	G	0.105	0.011	0.202	8.54E-22	0.002	0.003	0.601	0.003	92.022	TRUE	1.04E-19
FVC	HIP1	rs6964720	G	A	-0.145	0.012	0.160	1.59E-34	0.003	0.003	0.344	0.005	150.160	TRUE	9.00E-31
FVC	HIP1	rs6965172	T	C	0.430	0.023	0.041	1.42E-75	0.002	0.006	0.760	0.011	338.383	TRUE	2.67E-69
FVC	HIP1	rs71560493	A	G	-0.214	0.020	0.054	8.98E-27	0.011	0.005	0.025	0.004	114.731	TRUE	3.17E-22
FVC	HIP1	rs73136052	T	C	0.240	0.039	0.019	9.63E-10	-0.005	0.009	0.606	0.001	37.396	TRUE	9.09E-09
FVC	HIP1	rs73140295	G	A	0.159	0.011	0.198	2.77E-46	-0.004	0.003	0.242	0.006	204.007	TRUE	4.64E-41
FVC	HIP1	rs73141209	A	G	0.678	0.034	0.045	8.31E-88	-0.012	0.006	0.054	0.012	394.563	TRUE	6.14E-77
FVC	HIP1	rs75030876	T	C	-0.587	0.018	0.067	6.02E-236	-0.001	0.005	0.885	0.033	1075.726	TRUE	8.03E-216
FVC	HIP1	rs76925159	A	G	0.125	0.018	0.081	1.31E-12	-0.004	0.004	0.396	0.002	50.311	TRUE	4.26E-11
FVC	HIP1	rs77427322	C	A	0.443	0.030	0.024	2.75E-49	0.001	0.007	0.924	0.007	217.773	TRUE	1.57E-45
FVC	HIP1	rs77478397	A	G	-0.489	0.027	0.027	4.65E-72	0.012	0.008	0.128	0.010	322.246	TRUE	1.34E-63
FVC	HIP1	rs794353	T	C	0.244	0.019	0.066	5.97E-37	0.003	0.005	0.583	0.005	161.259	TRUE	1.66E-33
FVC	HIP1	rs80213114	G	A	0.303	0.039	0.018	5.84E-15	-0.002	0.008	0.833	0.002	60.952	TRUE	8.99E-14
FVC	HPS6	rs1045232	C	T	-0.092	0.012	0.475	9.44E-15	0.001	0.002	0.571	0.002	60.006	TRUE	2.72E-13
FVC	HPS6	rs111496314	A	G	0.279	0.045	0.017	8.25E-10	-0.017	0.009	0.058	0.001	37.697	TRUE	6.76E-08
FVC	HPS6	rs113816538	C	T	0.268	0.031	0.039	2.01E-18	-0.001	0.006	0.901	0.002	76.680	TRUE	4.83E-17
FVC	HPS6	rs117027139	T	C	0.202	0.037	0.029	2.95E-08	0.003	0.006	0.676	0.001	30.736	TRUE	1.77E-07
FVC	HPS6	rs12240453	A	C	0.193	0.030	0.042	6.16E-11	-0.012	0.007	0.086	0.001	42.766	TRUE	5.63E-09
FVC	HPS6	rs12569597	C	T	-0.177	0.015	0.191	2.80E-32	0.005	0.003	0.081	0.004	139.888	TRUE	1.09E-27
FVC	HPS6	rs2025106	C	T	0.099	0.013	0.313	6.65E-15	-0.004	0.003	0.097	0.002	60.695	TRUE	1.75E-12
FVC	HPS6	rs61873996	A	G	0.264	0.031	0.037	3.10E-17	-0.018	0.006	0.002	0.002	71.273	TRUE	3.06E-13
FVC	HPS6	rs61874100	A	G	0.604	0.029	0.054	2.26E-99	-0.014	0.005	0.011	0.014	447.691	TRUE	9.53E-86
FVC	HPS6	rs61874825	C	G	0.125	0.013	0.306	1.28E-22	-0.007	0.003	0.009	0.003	95.779	TRUE	3.00E-18
FVC	HPS6	rs72844622	A	G	-0.130	0.022	0.080	3.04E-09	0.001	0.005	0.915	0.001	35.156	TRUE	1.38E-08
FVC	HRAS	rs11246300	T	C	-0.085	0.010	0.222	9.97E-17	0.002	0.003	0.514	0.002	68.973	TRUE	5.40E-15
FVC	HRAS	rs1128982	G	A	0.095	0.015	0.140	1.60E-10	0.006	0.004	0.080	0.001	40.906	TRUE	1.38E-08
FVC	HRAS	rs113298336	T	C	-0.153	0.019	0.057	7.96E-16	-0.006	0.005	0.170	0.002	64.876	TRUE	1.59E-13
FVC	HRAS	rs113584969	A	G	-0.394	0.028	0.035	4.91E-44	-0.007	0.006	0.221	0.006	193.704	TRUE	5.95E-39
FVC	HRAS	rs115480982	A	C	0.175	0.024	0.041	5.00E-13	0.004	0.006	0.446	0.002	52.200	TRUE	1.54E-11
FVC	HRAS	rs116946077	T	C	-0.295	0.030	0.031	6.48E-23	-0.003	0.007	0.645	0.003	97.127	TRUE	8.07E-21
FVC	HRAS	rs117262763	A	G	0.258	0.036	0.022	4.87E-13	-0.007	0.008	0.343	0.002	52.252	TRUE	2.04E-11
FVC	HRAS	rs141929414	G	C	0.079	0.014	0.124	1.89E-08	-0.004	0.003	0.308	0.001	31.598	TRUE	2.88E-07
FVC	HRAS	rs1870726	A	G	-0.316	0.012	0.177	2.80E-159	-0.007	0.003	0.013	0.022	723.081	TRUE	3.89E-139
FVC	HRAS	rs188341583	A	G	-0.259	0.047	0.016	3.13E-08	-0.007	0.009	0.449	0.001	30.623	TRUE	3.05E-07
FVC	HRAS	rs34217524	A	G	0.088	0.015	0.095	1.50E-09	0.009	0.004	0.012	0.001	36.537	TRUE	2.69E-07
FVC	HRAS	rs35482931	T	C	-0.363	0.025	0.035	5.61E-49	-0.001	0.006	0.925	0.007	216.352	TRUE	3.06E-45
FVC	HRAS	rs3943356	C	T	0.133	0.012	0.179	3.38E-30	-0.004	0.003	0.220	0.004	130.372	TRUE	1.72E-26
FVC	HRAS	rs61869019	T	C	-0.104	0.019	0.063	3.39E-08	0.000	0.004	0.926	0.001	30.466	TRUE	1.24E-07
FVC	HRAS	rs61876290	G	A	-0.281	0.029	0.033	3.41E-22	-0.001	0.007	0.912	0.003	93.840	TRUE	1.51E-20
FVC	HRAS	rs61877776	A	G	0.175	0.016	0.110	8.64E-28	0.001	0.004	0.862	0.004	119.375	TRUE	1.24E-25
FVC	HRAS	rs72844728	A	G	0.081	0.011	0.274	2.32E-13	0.002	0.003	0.360	0.002	53.708	TRUE	1.03E-11

FVC	HRAS	rs7395822	A	G	-0.081	0.009	0.445	4.83E-19	-0.001	0.002	0.730	0.003	79.494	TRUE	2.09E-17
FVC	HRAS	rs7396776	G	A	-0.107	0.009	0.397	1.31E-29	0.002	0.002	0.462	0.004	127.681	TRUE	1.46E-26
FVC	HRAS	rs7480433	A	T	-0.109	0.015	0.123	5.70E-13	0.001	0.003	0.859	0.002	51.943	TRUE	5.66E-12
FVC	HSP90AA1	rs111517520	C	T	-0.188	0.020	0.040	1.70E-20	0.009	0.006	0.170	0.003	86.102	TRUE	1.15E-17
FVC	HSP90AA1	rs11160668	G	A	-0.097	0.008	0.478	1.36E-32	0.005	0.002	0.061	0.004	141.330	TRUE	8.54E-28
FVC	HSP90AA1	rs111846936	T	G	-0.159	0.018	0.064	1.73E-18	0.005	0.005	0.260	0.002	76.975	TRUE	4.04E-16
FVC	HSP90AA1	rs1190606	G	A	-0.100	0.014	0.097	1.75E-12	0.007	0.004	0.060	0.002	49.747	TRUE	3.23E-10
FVC	HSP90AA1	rs12435118	C	T	0.090	0.009	0.371	1.65E-23	-0.005	0.002	0.057	0.003	99.834	TRUE	1.06E-19
FVC	HSP90AA1	rs12893074	A	G	-0.196	0.023	0.037	5.26E-17	0.019	0.007	0.008	0.002	70.234	TRUE	2.01E-13
FVC	HSP90AA1	rs12894354	T	C	0.057	0.009	0.368	1.79E-10	0.003	0.003	0.189	0.001	40.684	TRUE	7.43E-09
FVC	HSP90AA1	rs145916482	A	G	-0.252	0.039	0.015	1.48E-10	0.019	0.011	0.078	0.001	41.049	TRUE	1.28E-08
FVC	HSP90AA1	rs2403017	G	A	-0.277	0.011	0.174	3.95E-139	0.015	0.003	8.80E-06	0.020	630.437	TRUE	4.67E-116
FVC	HSP90AA1	rs2476522	C	T	-0.062	0.010	0.202	2.67E-10	0.001	0.003	0.847	0.001	39.900	TRUE	1.71E-09
FVC	HSP90AA1	rs2749901	G	A	-0.093	0.010	0.189	3.25E-19	0.003	0.003	0.372	0.003	80.276	TRUE	5.42E-17
FVC	HSP90AA1	rs35570544	G	A	-0.151	0.021	0.041	4.06E-13	0.009	0.006	0.129	0.002	52.611	TRUE	4.90E-11
FVC	HSP90AA1	rs62006410	T	C	-0.065	0.011	0.199	1.35E-09	-0.001	0.003	0.715	0.001	36.733	TRUE	9.83E-09
FVC	HSP90AA1	rs7159203	T	C	-0.086	0.016	0.069	4.67E-08	0.006	0.005	0.167	0.001	29.849	TRUE	1.07E-06
FVC	HSP90AA1	rs77011345	C	T	-0.326	0.036	0.017	1.22E-19	0.011	0.010	0.276	0.003	82.213	TRUE	3.49E-17
FVC	HSP90AA1	rs79110992	G	T	-0.200	0.015	0.082	7.62E-39	0.012	0.005	0.008	0.005	169.931	TRUE	3.28E-32
FVC	HSPA8	rs11218941	G	A	0.112	0.010	0.200	1.89E-29	-0.007	0.003	0.026	0.004	126.955	TRUE	1.54E-24
FVC	HSPA8	rs11218958	G	A	0.261	0.031	0.022	1.38E-17	-0.003	0.009	0.753	0.002	72.866	TRUE	4.38E-16
FVC	HTT	rs28652828	G	A	-0.170	0.027	0.030	3.72E-10	-0.002	0.007	0.735	0.001	39.250	TRUE	2.86E-09
FVC	HTT	rs67950027	C	A	0.097	0.010	0.326	2.72E-20	0.008	0.003	0.002	0.003	85.176	TRUE	8.58E-16
FVC	IFI27L1	rs10147215	A	C	0.186	0.010	0.272	4.14E-81	-0.004	0.003	0.169	0.011	363.801	TRUE	4.46E-72
FVC	IFI27L1	rs10149693	T	G	0.062	0.010	0.284	1.58E-10	-0.001	0.003	0.842	0.001	40.924	TRUE	1.02E-09
FVC	IFI27L1	rs10438214	G	A	0.094	0.013	0.174	7.76E-13	0.007	0.003	0.016	0.002	51.340	TRUE	4.60E-10
FVC	IFI27L1	rs111686083	A	G	0.295	0.022	0.047	3.47E-41	-0.014	0.006	0.014	0.006	180.655	TRUE	1.48E-34
FVC	IFI27L1	rs11621117	C	T	-0.068	0.009	0.358	1.57E-13	0.000	0.002	0.955	0.002	54.476	TRUE	1.33E-12
FVC	IFI27L1	rs11626327	A	G	0.127	0.012	0.177	1.36E-26	-0.003	0.003	0.370	0.004	113.909	TRUE	1.20E-23
FVC	IFI27L1	rs117208338	C	T	-0.154	0.013	0.138	5.31E-32	0.002	0.003	0.472	0.004	138.619	TRUE	9.16E-29
FVC	IFI27L1	rs12588048	T	C	0.243	0.018	0.065	7.91E-40	-0.001	0.005	0.906	0.005	174.434	TRUE	8.62E-37
FVC	IFI27L1	rs148649894	G	A	-0.379	0.030	0.030	2.28E-37	0.000	0.006	0.972	0.005	163.170	TRUE	1.21E-34
FVC	IFI27L1	rs149457495	T	C	-0.324	0.045	0.016	8.65E-13	-0.002	0.012	0.895	0.002	51.125	TRUE	7.69E-12
FVC	IFI27L1	rs17090719	C	T	-0.125	0.010	0.295	1.49E-37	0.000	0.003	0.917	0.005	164.025	TRUE	1.06E-34
FVC	IFI27L1	rs1950344	C	G	0.101	0.010	0.318	1.24E-26	-0.003	0.003	0.326	0.004	114.089	TRUE	1.45E-23
FVC	IFI27L1	rs1980618	A	T	-0.066	0.009	0.376	1.63E-12	-0.002	0.003	0.450	0.002	49.880	TRUE	4.37E-11
FVC	IFI27L1	rs2239645	A	G	0.265	0.019	0.059	1.41E-45	-0.008	0.006	0.130	0.006	200.765	TRUE	7.08E-40
FVC	IFI27L1	rs2402405	C	T	0.366	0.009	0.395	0.00E+00	-0.002	0.002	0.497	0.051	1698.337	TRUE	0.00E+00
FVC	IFI27L1	rs34025320	T	C	0.368	0.024	0.040	2.70E-54	-0.007	0.005	0.194	0.008	240.738	TRUE	4.42E-48
FVC	IFI27L1	rs34520961	G	A	-0.207	0.016	0.087	4.00E-38	0.000	0.004	0.923	0.005	166.631	TRUE	2.97E-35
FVC	IFI27L1	rs3748312	T	C	0.099	0.012	0.150	1.30E-15	0.006	0.003	0.070	0.002	63.906	TRUE	6.39E-13
FVC	IFI27L1	rs3827896	A	G	0.180	0.010	0.308	1.40E-77	0.000	0.003	0.912	0.011	347.600	TRUE	1.60E-71

FVC	IFI27L1	rs4905115	A	G	-0.073	0.009	0.423	1.20E-15	-0.002	0.002	0.432	0.002	64.063	TRUE	7.02E-14
FVC	IFI27L1	rs55972004	A	G	-0.202	0.035	0.024	6.14E-09	0.011	0.008	0.173	0.001	33.787	TRUE	1.74E-07
FVC	IFI27L1	rs66508743	A	G	-0.126	0.012	0.171	6.28E-26	-0.003	0.003	0.422	0.003	110.874	TRUE	3.71E-23
FVC	IFI27L1	rs7141881	A	G	0.197	0.009	0.388	1.94E-109	-0.005	0.002	0.057	0.015	493.944	TRUE	2.90E-96
FVC	IFI27L1	rs7143873	A	T	0.123	0.010	0.288	2.36E-35	-0.003	0.003	0.289	0.005	153.948	TRUE	2.49E-31
FVC	IFI27L1	rs7155600	C	T	0.204	0.012	0.147	3.78E-60	-0.001	0.003	0.759	0.008	267.587	TRUE	3.76E-55
FVC	IFI27L1	rs7161231	T	C	0.087	0.014	0.110	1.43E-09	-0.002	0.004	0.582	0.001	36.620	TRUE	1.39E-08
FVC	IFI27L1	rs72692831	G	A	0.127	0.017	0.076	1.60E-13	-0.015	0.005	9.40E-04	0.002	54.434	TRUE	5.33E-10
FVC	IFI27L1	rs72702321	T	C	0.453	0.019	0.058	2.86E-124	-0.002	0.005	0.745	0.017	562.118	TRUE	9.53E-114
FVC	IFI27L1	rs75255245	A	G	0.140	0.017	0.073	1.40E-16	-0.008	0.005	0.104	0.002	68.306	TRUE	5.70E-14
FVC	IFI27L1	rs75416602	G	A	0.322	0.023	0.040	2.03E-43	0.007	0.006	0.194	0.006	190.880	TRUE	2.94E-38
FVC	IFI27L1	rs75825150	A	G	0.254	0.031	0.022	3.06E-16	-0.010	0.009	0.274	0.002	66.758	TRUE	3.83E-14
FVC	IFI27L1	rs77640134	T	C	-0.208	0.019	0.061	9.19E-28	0.010	0.005	0.041	0.004	119.252	TRUE	2.33E-23
FVC	IFI27L1	rs79099449	C	T	0.155	0.025	0.037	8.87E-10	-0.004	0.008	0.627	0.001	37.557	TRUE	8.02E-09
FVC	IFI27L1	rs79319955	G	T	-0.201	0.035	0.021	1.22E-08	-0.003	0.007	0.691	0.001	32.451	TRUE	7.69E-08
FVC	IFI27L1	rs79880372	A	C	-0.318	0.033	0.024	4.00E-22	0.009	0.007	0.182	0.003	93.522	TRUE	3.82E-19
FVC	IFI27L1	rs8006174	G	A	0.189	0.011	0.215	2.60E-70	0.001	0.003	0.637	0.010	314.228	TRUE	4.16E-64
FVC	IL10	rs1518111	T	C	-0.199	0.009	0.228	4.60E-98	-0.008	0.003	0.005	0.014	441.680	TRUE	6.58E-84
FVC	IL10	rs17016480	A	C	-0.082	0.014	0.095	1.86E-09	-0.007	0.004	0.097	0.001	36.118	TRUE	9.57E-08
FVC	IL10	rs17351229	T	C	-0.734	0.127	0.014	7.65E-09	-0.014	0.012	0.222	0.001	33.360	TRUE	1.73E-07
FVC	IL10	rs3024492	A	T	0.112	0.009	0.249	1.55E-33	0.000	0.003	0.921	0.005	145.636	TRUE	5.42E-31
FVC	IL10	rs77913112	A	G	-0.182	0.026	0.027	1.29E-12	-0.016	0.009	0.067	0.002	50.342	TRUE	2.40E-10
FVC	IL10	rs880790	C	T	-0.078	0.009	0.241	6.21E-17	-0.001	0.003	0.675	0.002	69.905	TRUE	2.21E-15
FVC	IL18	rs10458936	G	T	-0.113	0.013	0.292	4.08E-18	0.001	0.003	0.719	0.002	75.278	TRUE	1.52E-16
FVC	IL18	rs11214100	C	A	0.112	0.020	0.098	1.62E-08	-0.003	0.004	0.476	0.001	31.902	TRUE	1.62E-07
FVC	IL18	rs11606049	T	C	0.310	0.014	0.243	1.98E-115	0.007	0.003	0.010	0.016	521.488	TRUE	5.05E-100
FVC	IL18	rs12283162	G	A	-0.160	0.014	0.251	3.63E-32	-0.006	0.003	0.038	0.004	139.373	TRUE	4.10E-27
FVC	IL18	rs141091241	T	C	0.316	0.035	0.031	3.70E-19	0.000	0.007	0.973	0.003	80.019	TRUE	8.03E-18
FVC	IL18	rs149402057	A	G	0.408	0.066	0.012	5.35E-10	-0.006	0.008	0.458	0.001	38.544	TRUE	7.80E-09
FVC	IL18	rs3018469	A	G	-0.144	0.016	0.176	5.75E-20	-0.002	0.003	0.568	0.003	83.699	TRUE	5.36E-18
FVC	IL18	rs5744290	A	G	0.303	0.052	0.017	4.43E-09	-0.007	0.009	0.431	0.001	34.424	TRUE	5.53E-08
FVC	IL18	rs6589298	C	T	-0.081	0.012	0.343	6.65E-11	-0.003	0.003	0.284	0.001	42.618	TRUE	2.10E-09
FVC	IL18	rs73562251	A	G	0.102	0.014	0.255	5.87E-14	0.000	0.003	0.954	0.002	56.412	TRUE	5.69E-13
FVC	IL18	rs76154830	T	C	0.210	0.023	0.076	5.46E-20	0.011	0.004	0.012	0.003	83.801	TRUE	4.15E-16
FVC	IL18	rs76594667	A	C	0.209	0.030	0.039	6.38E-12	0.009	0.006	0.129	0.001	47.205	TRUE	5.62E-10
FVC	IL18	rs7951272	C	A	-0.097	0.013	0.260	5.56E-13	0.001	0.003	0.602	0.002	51.993	TRUE	1.02E-11
FVC	JMY	rs10942892	A	G	0.117	0.019	0.057	6.93E-10	-0.002	0.005	0.677	0.001	38.037	TRUE	5.85E-09
FVC	JMY	rs113903635	T	C	0.111	0.016	0.087	9.37E-13	0.003	0.004	0.489	0.002	50.968	TRUE	2.30E-11
FVC	JMY	rs114038837	A	G	-0.214	0.033	0.019	4.76E-11	-0.014	0.008	0.086	0.001	43.273	TRUE	4.52E-09
FVC	JMY	rs114062084	A	G	-0.270	0.037	0.018	3.34E-13	0.017	0.010	0.097	0.002	52.995	TRUE	5.43E-11
FVC	JMY	rs114099443	C	A	0.215	0.029	0.028	1.38E-13	0.014	0.007	0.039	0.002	54.736	TRUE	5.30E-11
FVC	JMY	rs114725025	T	G	0.194	0.021	0.052	1.39E-19	0.010	0.005	0.051	0.003	81.956	TRUE	2.71E-16

FVC	JMY	rs116236157	T	G	0.215	0.032	0.023	1.70E-11	0.007	0.007	0.284	0.001	45.287	TRUE	6.18E-10
FVC	JMY	rs13354432	G	A	-0.123	0.018	0.065	1.41E-11	-0.007	0.005	0.176	0.001	45.654	TRUE	8.56E-10
FVC	JMY	rs137974590	C	T	0.269	0.025	0.038	5.24E-26	0.009	0.006	0.100	0.003	111.232	TRUE	2.98E-22
FVC	JMY	rs142849150	T	C	-0.174	0.014	0.112	6.96E-36	-0.004	0.004	0.331	0.005	156.381	TRUE	5.99E-32
FVC	JMY	rs142917631	A	C	0.195	0.029	0.030	2.82E-11	0.002	0.007	0.764	0.001	44.297	TRUE	2.59E-10
FVC	JMY	rs2052550	T	C	0.075	0.011	0.234	1.20E-12	-0.001	0.003	0.719	0.002	50.478	TRUE	1.58E-11
FVC	JMY	rs2364596	T	C	0.334	0.009	0.372	0.00E+00	0.012	0.002	7.94E-07	0.043	1440.428	TRUE	5.65E-267
FVC	JMY	rs3797546	C	T	0.190	0.020	0.052	8.01E-22	0.008	0.006	0.171	0.003	92.151	TRUE	7.59E-19
FVC	JMY	rs4703779	G	A	0.068	0.009	0.496	3.49E-14	0.001	0.002	0.701	0.002	57.432	TRUE	6.42E-13
FVC	JMY	rs4704542	C	T	0.090	0.013	0.136	2.72E-12	0.008	0.003	0.010	0.002	48.879	TRUE	1.68E-09
FVC	JMY	rs62363103	C	T	-0.148	0.011	0.205	1.34E-41	-0.006	0.003	0.048	0.006	182.551	TRUE	1.37E-35
FVC	JMY	rs62363106	C	T	-0.231	0.036	0.019	1.35E-10	-0.007	0.008	0.370	0.001	41.239	TRUE	2.91E-09
FVC	JMY	rs62377917	T	C	-0.097	0.011	0.179	1.63E-17	0.000	0.003	0.983	0.002	72.541	TRUE	2.68E-16
FVC	JMY	rs631305	T	C	-0.139	0.012	0.164	2.88E-32	-0.006	0.003	0.045	0.004	139.837	TRUE	2.40E-27
FVC	JMY	rs72635605	C	T	0.111	0.012	0.152	7.39E-20	0.005	0.003	0.150	0.003	83.202	TRUE	5.18E-17
FVC	JMY	rs72762996	T	C	0.085	0.015	0.098	1.26E-08	0.001	0.004	0.872	0.001	32.390	TRUE	5.46E-08
FVC	JMY	rs72764976	C	A	0.254	0.026	0.038	3.83E-23	0.014	0.006	0.016	0.003	98.166	TRUE	6.49E-19
FVC	JMY	rs75497809	G	A	0.232	0.022	0.054	4.43E-27	0.012	0.005	0.020	0.004	116.132	TRUE	2.14E-22
FVC	JMY	rs77977678	G	T	0.310	0.038	0.018	1.52E-16	0.007	0.007	0.310	0.002	68.141	TRUE	1.74E-14
FVC	JMY	rs9293761	A	G	0.109	0.009	0.422	1.04E-34	0.004	0.002	0.089	0.005	151.006	TRUE	6.03E-30
FVC	LAMTOR2	rs501791	T	C	0.157	0.025	0.052	1.95E-10	0.014	0.006	0.017	0.001	40.513	TRUE	4.23E-08
FVC	LGALS12	rs11231603	A	G	-0.152	0.020	0.048	1.07E-13	0.014	0.005	0.005	0.002	55.231	TRUE	1.74E-10
FVC	LGALS12	rs117129099	T	C	-0.292	0.030	0.024	5.83E-23	0.008	0.007	0.232	0.003	97.336	TRUE	4.83E-20
FVC	LGALS12	rs117151011	C	T	-0.219	0.027	0.030	3.92E-16	0.004	0.006	0.558	0.002	66.272	TRUE	1.64E-14
FVC	LGALS12	rs117587231	G	A	-0.273	0.033	0.020	5.00E-17	-0.001	0.011	0.909	0.002	70.331	TRUE	8.97E-16
FVC	LGALS12	rs118187559	T	C	0.155	0.020	0.049	1.61E-14	0.005	0.006	0.403	0.002	58.960	TRUE	7.97E-13
FVC	LGALS12	rs12279025	C	A	0.165	0.018	0.061	4.42E-20	-0.005	0.005	0.330	0.003	84.220	TRUE	1.08E-17
FVC	LGALS12	rs12281227	A	C	-0.075	0.010	0.225	2.86E-15	0.000	0.003	0.880	0.002	62.356	TRUE	4.03E-14
FVC	LGALS12	rs12797293	A	G	0.228	0.030	0.024	6.47E-14	-0.013	0.007	0.058	0.002	56.220	TRUE	2.05E-11
FVC	LGALS12	rs1404504	T	G	-0.299	0.008	0.362	2.36E-298	0.007	0.002	0.005	0.041	1362.869	TRUE	6.17E-261
FVC	LGALS12	rs145397597	A	G	-0.176	0.026	0.031	5.93E-12	0.005	0.006	0.417	0.001	47.348	TRUE	1.53E-10
FVC	LGALS12	rs147736161	T	G	-0.193	0.035	0.018	2.51E-08	0.001	0.008	0.878	0.001	31.054	TRUE	1.03E-07
FVC	LGALS12	rs149541331	C	T	-0.148	0.025	0.028	5.20E-09	0.008	0.008	0.334	0.001	34.113	TRUE	8.30E-08
FVC	LGALS12	rs150862449	A	G	0.159	0.025	0.034	2.18E-10	-0.004	0.006	0.482	0.001	40.300	TRUE	3.20E-09
FVC	LGALS12	rs182781801	A	G	-0.184	0.026	0.026	1.01E-12	0.013	0.008	0.088	0.002	50.828	TRUE	1.55E-10
FVC	LGALS12	rs35543645	T	C	0.199	0.019	0.047	9.62E-25	-0.001	0.005	0.926	0.003	105.467	TRUE	6.52E-23
FVC	LGALS12	rs4061933	A	G	0.048	0.009	0.296	3.95E-08	-0.012	0.003	6.31E-06	0.001	30.171	TRUE	4.45E-05
FVC	LGALS12	rs55822587	A	G	-0.209	0.029	0.021	1.25E-12	0.000	0.008	0.982	0.002	50.396	TRUE	8.83E-12
FVC	LGALS12	rs56364222	G	A	-0.079	0.011	0.170	1.87E-13	0.000	0.003	0.940	0.002	54.137	TRUE	1.63E-12
FVC	LGALS12	rs61893827	A	C	0.101	0.018	0.069	9.67E-09	-0.008	0.005	0.086	0.001	32.904	TRUE	4.24E-07
FVC	LGALS12	rs637143	A	C	-0.071	0.009	0.280	4.33E-15	0.002	0.003	0.497	0.002	61.540	TRUE	1.69E-13
FVC	LGALS12	rs657959	G	A	0.087	0.009	0.414	2.61E-22	-0.001	0.002	0.714	0.003	94.368	TRUE	2.36E-20

FVC	LGALS12	rs7106153	C	T	-0.069	0.012	0.124	1.35E-08	0.003	0.004	0.443	0.001	32.256	TRUE	1.45E-07
FVC	LGALS12	rs72930159	T	C	-0.230	0.025	0.036	1.76E-20	0.011	0.006	0.064	0.003	86.039	TRUE	3.87E-17
FVC	LGALS12	rs79273752	T	C	-0.220	0.031	0.020	2.65E-12	-0.001	0.007	0.906	0.002	48.933	TRUE	2.07E-11
FVC	LGALS9	rs10853180	G	A	0.085	0.009	0.373	2.32E-21	0.002	0.002	0.427	0.003	90.047	TRUE	4.85E-19
FVC	LGALS9	rs11080062	A	G	-0.069	0.009	0.520	3.25E-15	0.000	0.002	0.915	0.002	62.106	TRUE	4.03E-14
FVC	LGALS9	rs112180005	A	G	-0.623	0.042	0.016	1.02E-49	-0.008	0.010	0.422	0.007	219.737	TRUE	9.61E-45
FVC	LGALS9	rs112244122	A	G	-0.292	0.029	0.029	2.81E-23	-0.001	0.006	0.883	0.003	98.781	TRUE	1.65E-21
FVC	LGALS9	rs112431365	T	G	-0.388	0.045	0.016	1.37E-17	-0.033	0.009	1.25E-04	0.002	72.890	TRUE	6.90E-13
FVC	LGALS9	rs112952622	G	A	0.359	0.029	0.026	2.81E-36	-0.008	0.008	0.328	0.005	158.181	TRUE	2.65E-32
FVC	LGALS9	rs114533920	A	G	0.155	0.024	0.035	7.39E-11	0.014	0.006	0.019	0.001	42.411	TRUE	1.79E-08
FVC	LGALS9	rs11655061	A	G	0.324	0.009	0.449	0.00E+00	0.004	0.002	0.095	0.044	1441.915	TRUE	3.88E-281
FVC	LGALS9	rs117054138	G	A	0.163	0.020	0.064	2.05E-16	0.000	0.005	0.941	0.002	67.551	TRUE	3.00E-15
FVC	LGALS9	rs117170675	A	G	-0.685	0.041	0.017	1.14E-61	0.013	0.009	0.141	0.009	274.567	TRUE	2.33E-54
FVC	LGALS9	rs117693545	G	A	0.244	0.036	0.020	7.58E-12	0.006	0.007	0.389	0.001	46.867	TRUE	2.10E-10
FVC	LGALS9	rs117886541	C	T	-0.189	0.034	0.019	1.96E-08	0.006	0.009	0.524	0.001	31.533	TRUE	1.68E-07
FVC	LGALS9	rs118052923	A	C	0.213	0.034	0.020	4.36E-10	-0.010	0.008	0.196	0.001	38.943	TRUE	1.53E-08
FVC	LGALS9	rs12453420	G	C	-0.632	0.013	0.119	0.00E+00	0.000	0.004	0.940	0.071	2420.220	TRUE	0.00E+00
FVC	LGALS9	rs1263354	A	T	0.051	0.009	0.339	3.27E-08	0.001	0.003	0.696	0.001	30.537	TRUE	1.89E-07
FVC	LGALS9	rs12950716	A	G	-0.138	0.014	0.118	3.45E-24	-0.012	0.003	4.69E-04	0.003	102.939	TRUE	1.22E-18
FVC	LGALS9	rs141035003	G	A	-0.238	0.041	0.017	6.73E-09	-0.005	0.013	0.710	0.001	33.610	TRUE	4.30E-08
FVC	LGALS9	rs142481876	A	G	-0.642	0.050	0.016	9.34E-38	0.000	0.009	0.977	0.005	164.948	TRUE	5.29E-35
FVC	LGALS9	rs144783393	C	T	0.216	0.017	0.074	2.60E-36	-0.002	0.005	0.654	0.005	158.337	TRUE	4.31E-33
FVC	LGALS9	rs147475426	T	C	-0.161	0.027	0.027	2.96E-09	-0.005	0.008	0.467	0.001	35.208	TRUE	3.48E-08
FVC	LGALS9	rs148010116	A	G	0.095	0.017	0.076	1.86E-08	0.013	0.004	0.004	0.001	31.634	TRUE	3.74E-06
FVC	LGALS9	rs148762148	T	C	-0.349	0.052	0.018	1.56E-11	-0.002	0.009	0.863	0.001	45.449	TRUE	1.18E-10
FVC	LGALS9	rs151166422	C	A	0.171	0.026	0.032	3.17E-11	0.015	0.006	0.020	0.001	44.066	TRUE	8.38E-09
FVC	LGALS9	rs17778162	A	G	-0.241	0.010	0.251	1.05E-130	0.000	0.003	0.949	0.018	591.695	TRUE	2.61E-120
FVC	LGALS9	rs182081499	C	A	-0.612	0.036	0.018	3.15E-63	-0.011	0.010	0.291	0.009	281.712	TRUE	1.45E-56
FVC	LGALS9	rs184413698	A	G	-0.261	0.038	0.022	6.29E-12	0.005	0.009	0.556	0.001	47.235	TRUE	1.08E-10
FVC	LGALS9	rs2611757	C	T	0.069	0.009	0.444	1.61E-15	-0.001	0.002	0.587	0.002	63.491	TRUE	5.44E-14
FVC	LGALS9	rs2779252	T	G	0.190	0.020	0.053	4.94E-22	-0.005	0.006	0.337	0.003	93.105	TRUE	1.84E-19
FVC	LGALS9	rs2779253	G	T	0.168	0.009	0.379	8.26E-80	0.006	0.002	0.008	0.011	357.832	TRUE	3.29E-68
FVC	LGALS9	rs34759944	T	C	0.312	0.011	0.198	8.44E-184	-0.002	0.003	0.528	0.026	835.857	TRUE	5.70E-167
FVC	LGALS9	rs3730013	A	G	-0.051	0.009	0.337	4.12E-08	0.001	0.003	0.829	0.001	30.090	TRUE	1.74E-07
FVC	LGALS9	rs3764358	C	T	0.071	0.009	0.366	2.21E-15	-0.001	0.002	0.615	0.002	62.865	TRUE	6.67E-14
FVC	LGALS9	rs3829283	G	A	0.212	0.014	0.116	4.34E-54	0.004	0.004	0.321	0.008	239.789	TRUE	2.21E-48
FVC	LGALS9	rs4273089	A	G	0.081	0.009	0.474	3.07E-20	0.007	0.002	0.003	0.003	84.937	TRUE	7.96E-16
FVC	LGALS9	rs4435306	T	G	0.072	0.009	0.464	1.27E-16	-0.002	0.002	0.460	0.002	68.488	TRUE	8.29E-15
FVC	LGALS9	rs4795530	C	A	-0.146	0.009	0.405	4.01E-62	-0.002	0.002	0.486	0.009	276.647	TRUE	3.34E-56
FVC	LGALS9	rs55829174	T	G	0.378	0.047	0.018	9.03E-16	-0.001	0.009	0.921	0.002	64.628	TRUE	1.28E-14
FVC	LGALS9	rs62066310	A	G	-0.137	0.012	0.161	8.88E-30	0.006	0.003	0.063	0.004	128.456	TRUE	2.68E-25
FVC	LGALS9	rs62066359	C	A	0.177	0.012	0.165	5.86E-49	0.004	0.003	0.222	0.007	216.265	TRUE	2.50E-43

FVC	LGALS9	rs658591	G	T	0.063	0.010	0.253	6.42E-10	0.003	0.003	0.256	0.001	38.188	TRUE	1.71E-08
FVC	LGALS9	rs67827339	T	C	0.100	0.018	0.071	3.43E-08	-0.002	0.005	0.738	0.001	30.446	TRUE	1.80E-07
FVC	LGALS9	rs7215489	C	T	0.137	0.018	0.062	6.15E-14	-0.002	0.005	0.695	0.002	56.318	TRUE	1.11E-12
FVC	LGALS9	rs7218787	T	C	-0.325	0.009	0.427	0.00E+00	-0.006	0.002	0.009	0.043	1440.693	TRUE	3.18E-277
FVC	LGALS9	rs72845644	T	G	-0.344	0.026	0.032	8.31E-41	-0.011	0.006	0.054	0.006	178.917	TRUE	5.77E-35
FVC	LGALS9	rs72845806	A	G	0.247	0.037	0.019	1.66E-11	-0.002	0.008	0.779	0.001	45.333	TRUE	1.53E-10
FVC	LGALS9	rs72845820	A	G	0.266	0.039	0.016	6.47E-12	-0.011	0.009	0.234	0.001	47.178	TRUE	3.19E-10
FVC	LGALS9	rs72846201	G	T	-0.202	0.031	0.033	1.23E-10	0.008	0.006	0.143	0.001	41.409	TRUE	6.69E-09
FVC	LGALS9	rs72847758	A	G	-0.345	0.028	0.032	1.07E-34	-0.008	0.007	0.209	0.005	150.950	TRUE	1.73E-30
FVC	LGALS9	rs74417225	C	T	0.123	0.018	0.065	2.13E-11	-0.002	0.005	0.649	0.001	44.842	TRUE	2.60E-10
FVC	LGALS9	rs74439792	A	G	-0.627	0.034	0.022	8.04E-76	0.010	0.010	0.312	0.011	339.518	TRUE	4.73E-68
FVC	LGALS9	rs75640524	T	C	0.183	0.014	0.108	2.95E-37	0.002	0.004	0.544	0.005	162.658	TRUE	1.03E-33
FVC	LGALS9	rs75689345	T	C	0.200	0.020	0.056	7.86E-23	0.006	0.005	0.234	0.003	96.744	TRUE	5.94E-20
FVC	LGALS9	rs76066035	T	C	-0.653	0.022	0.042	7.83E-201	-0.014	0.005	0.007	0.028	914.192	TRUE	2.13E-175
FVC	LGALS9	rs76687116	A	G	-0.278	0.020	0.056	2.32E-45	0.005	0.005	0.298	0.006	199.781	TRUE	2.02E-40
FVC	LGALS9	rs77576481	T	C	-0.638	0.021	0.048	1.12E-202	0.006	0.006	0.276	0.028	922.684	TRUE	1.64E-182
FVC	LGALS9	rs79459903	T	C	-0.512	0.032	0.028	3.92E-57	0.008	0.023	0.723	0.008	253.748	TRUE	2.73E-52
FVC	LGALS9	rs79969149	A	G	-0.307	0.029	0.030	4.11E-26	-0.010	0.006	0.097	0.004	111.713	TRUE	2.45E-22
FVC	LGALS9	rs80338342	A	G	0.203	0.028	0.029	3.53E-13	-0.006	0.007	0.388	0.002	52.887	TRUE	1.31E-11
FVC	LGALS9	rs8073474	T	C	-0.053	0.010	0.381	4.08E-08	-0.002	0.002	0.450	0.001	30.107	TRUE	3.82E-07
FVC	LGALS9	rs9901070	T	C	0.109	0.016	0.080	1.41E-11	0.004	0.005	0.375	0.001	45.657	TRUE	3.80E-10
FVC	LRPPRC	rs10167454	C	T	0.082	0.011	0.144	3.89E-13	-0.002	0.003	0.552	0.002	52.695	TRUE	8.71E-12
FVC	LRPPRC	rs111949019	A	G	0.082	0.015	0.085	3.79E-08	-0.001	0.004	0.810	0.001	30.252	TRUE	1.72E-07
FVC	LRPPRC	rs111949393	C	T	0.278	0.028	0.026	1.23E-22	0.008	0.007	0.257	0.003	95.858	TRUE	7.86E-20
FVC	LRPPRC	rs1139250	G	A	0.125	0.008	0.379	9.32E-52	0.006	0.002	0.018	0.007	229.095	TRUE	6.54E-44
FVC	LRPPRC	rs114912224	C	T	-0.354	0.034	0.017	9.81E-26	0.005	0.010	0.584	0.003	109.991	TRUE	2.74E-23
FVC	LRPPRC	rs115672688	G	A	-0.178	0.020	0.047	1.42E-19	-0.009	0.006	0.142	0.003	81.904	TRUE	9.33E-17
FVC	LRPPRC	rs116461680	C	T	0.192	0.023	0.034	5.59E-17	0.009	0.006	0.161	0.002	70.113	TRUE	1.63E-14
FVC	LRPPRC	rs11687578	T	C	0.081	0.008	0.414	2.38E-22	0.008	0.003	6.87E-04	0.003	94.554	TRUE	3.03E-17
FVC	LRPPRC	rs11897851	A	G	0.246	0.014	0.090	6.40E-70	0.005	0.005	0.281	0.010	312.431	TRUE	1.35E-62
FVC	LRPPRC	rs13422217	A	G	0.195	0.035	0.016	2.17E-08	0.006	0.011	0.563	0.001	31.333	TRUE	1.68E-07
FVC	LRPPRC	rs139388735	T	C	-0.125	0.017	0.059	3.24E-13	0.004	0.005	0.415	0.002	53.056	TRUE	1.12E-11
FVC	LRPPRC	rs150144845	A	G	-0.139	0.023	0.032	9.03E-10	-0.003	0.007	0.707	0.001	37.520	TRUE	6.93E-09
FVC	LRPPRC	rs17031666	C	A	-0.185	0.026	0.029	6.98E-13	0.007	0.006	0.269	0.002	51.546	TRUE	3.88E-11
FVC	LRPPRC	rs17031779	C	T	0.269	0.028	0.022	1.40E-21	0.014	0.008	0.056	0.003	91.051	TRUE	4.54E-18
FVC	LRPPRC	rs187870524	G	A	-0.179	0.028	0.025	2.74E-10	0.013	0.010	0.185	0.001	39.849	TRUE	1.08E-08
FVC	LRPPRC	rs28517482	C	T	-0.100	0.009	0.382	2.28E-26	-0.003	0.003	0.226	0.004	112.883	TRUE	4.82E-23
FVC	LRPPRC	rs2954802	T	A	0.198	0.029	0.056	1.11E-11	0.000	0.006	0.950	0.001	46.126	TRUE	7.13E-11
FVC	LRPPRC	rs34421588	C	T	0.067	0.010	0.194	5.36E-11	-0.001	0.003	0.791	0.001	43.039	TRUE	4.34E-10
FVC	LRPPRC	rs34766907	T	C	0.049	0.008	0.425	1.35E-09	0.003	0.002	0.277	0.001	36.743	TRUE	3.02E-08
FVC	LRPPRC	rs4245797	T	C	0.307	0.008	0.423	0.00E+00	0.009	0.002	7.49E-05	0.046	1519.765	TRUE	1.71E-286
FVC	LRPPRC	rs4953131	G	A	-0.051	0.009	0.278	9.71E-09	-0.004	0.003	0.176	0.001	32.897	TRUE	2.53E-07

FVC	LRPPRC	rs55670036	G	A	-0.117	0.008	0.358	1.88E-45	-0.001	0.002	0.803	0.006	200.200	TRUE	9.33E-42
FVC	LRPPRC	rs56260466	A	G	0.112	0.018	0.055	1.62E-10	0.002	0.005	0.661	0.001	40.870	TRUE	1.61E-09
FVC	LRPPRC	rs62134195	T	C	-0.143	0.021	0.040	4.50E-12	-0.003	0.006	0.605	0.002	47.889	TRUE	7.15E-11
FVC	LRPPRC	rs62135060	T	C	-0.342	0.013	0.109	1.90E-161	0.004	0.004	0.327	0.023	733.050	TRUE	1.20E-145
FVC	LRPPRC	rs62135476	C	A	-0.052	0.008	0.428	7.38E-11	-0.003	0.002	0.185	0.001	42.414	TRUE	3.26E-09
FVC	LRPPRC	rs647980	G	A	-0.072	0.011	0.159	2.34E-11	0.002	0.003	0.638	0.001	44.663	TRUE	2.89E-10
FVC	LRPPRC	rs6544768	G	A	0.051	0.009	0.258	2.60E-08	-0.001	0.003	0.803	0.001	30.983	TRUE	1.24E-07
FVC	LRPPRC	rs6711405	T	C	0.059	0.009	0.310	9.10E-12	0.002	0.003	0.393	0.001	46.509	TRUE	2.39E-10
FVC	LRPPRC	rs6743151	T	A	0.155	0.012	0.134	1.32E-40	0.007	0.003	0.039	0.006	177.993	TRUE	1.27E-34
FVC	LRPPRC	rs72800951	G	C	-0.092	0.009	0.295	3.10E-26	0.000	0.003	0.908	0.004	112.277	TRUE	2.95E-24
FVC	LRPPRC	rs74344741	C	T	0.190	0.027	0.026	1.13E-12	-0.004	0.008	0.626	0.002	50.595	TRUE	1.90E-11
FVC	LRPPRC	rs75129798	T	C	0.170	0.017	0.061	9.19E-25	0.003	0.005	0.546	0.003	105.556	TRUE	2.43E-22
FVC	LRPPRC	rs76710528	C	T	0.109	0.015	0.075	1.37E-12	0.000	0.005	0.982	0.002	50.223	TRUE	9.49E-12
FVC	LTBR	rs10466905	A	G	-0.183	0.010	0.195	2.85E-68	-0.003	0.003	0.387	0.010	304.859	TRUE	1.72E-61
FVC	LTBR	rs10774431	C	T	-0.059	0.008	0.508	2.65E-13	-0.001	0.002	0.803	0.002	53.450	TRUE	3.29E-12
FVC	LTBR	rs10849440	T	C	0.227	0.028	0.034	1.47E-16	0.002	0.007	0.797	0.002	68.210	TRUE	3.39E-15
FVC	LTBR	rs112651654	T	C	0.236	0.029	0.024	2.39E-16	-0.002	0.007	0.732	0.002	67.249	TRUE	6.22E-15
FVC	LTBR	rs113108437	A	G	-0.209	0.034	0.018	1.17E-09	0.015	0.010	0.129	0.001	37.020	TRUE	5.17E-08
FVC	LTBR	rs113366126	T	C	-0.125	0.018	0.059	8.76E-12	0.012	0.005	0.030	0.001	46.586	TRUE	2.29E-09
FVC	LTBR	rs117765687	T	A	0.097	0.017	0.059	3.01E-08	0.014	0.005	0.005	0.001	30.699	TRUE	5.13E-06
FVC	LTBR	rs138955568	T	C	-0.155	0.020	0.054	2.36E-14	-0.002	0.006	0.719	0.002	58.204	TRUE	4.39E-13
FVC	LTBR	rs1800692	A	G	0.216	0.008	0.381	4.05E-154	0.001	0.002	0.556	0.022	699.351	TRUE	3.49E-140
FVC	LTBR	rs2302256	A	G	-0.075	0.013	0.113	2.50E-08	0.004	0.004	0.251	0.001	31.061	TRUE	4.23E-07
FVC	LTBR	rs2364480	C	A	0.295	0.010	0.236	1.08E-205	-0.006	0.003	0.041	0.029	936.552	TRUE	6.13E-182
FVC	LTBR	rs2886088	T	C	0.142	0.025	0.030	1.88E-08	-0.006	0.007	0.364	0.001	31.609	TRUE	2.38E-07
FVC	LTBR	rs34819705	C	G	-0.074	0.013	0.107	1.13E-08	-0.004	0.004	0.303	0.001	32.598	TRUE	1.82E-07
FVC	LTBR	rs3764875	C	T	-0.081	0.010	0.358	2.06E-17	-0.005	0.003	0.040	0.002	72.086	TRUE	2.80E-14
FVC	LTBR	rs4149579	T	C	0.157	0.018	0.067	3.91E-19	0.005	0.005	0.275	0.003	79.911	TRUE	9.82E-17
FVC	LTBR	rs4764547	A	G	0.099	0.014	0.094	5.80E-13	-0.002	0.004	0.629	0.002	51.909	TRUE	1.04E-11
FVC	LTBR	rs4764580	T	C	-0.103	0.010	0.429	2.49E-23	0.002	0.003	0.454	0.003	99.021	TRUE	6.68E-21
FVC	LTBR	rs78230818	A	G	-0.144	0.021	0.048	6.42E-12	-0.006	0.005	0.232	0.001	47.194	TRUE	3.21E-10
FVC	LTBR	rs887479	G	C	0.094	0.010	0.225	1.35E-20	0.002	0.003	0.447	0.003	86.559	TRUE	2.21E-18
FVC	MAP3K7	rs17747150	G	A	-0.169	0.009	0.287	7.04E-83	0.007	0.003	0.007	0.012	371.926	TRUE	1.05E-70
FVC	MAP3K7	rs1923074	C	A	0.064	0.009	0.241	7.46E-12	-0.004	0.003	0.195	0.001	46.900	TRUE	4.31E-10
FVC	MAP3K7	rs34674015	T	C	0.067	0.010	0.204	1.02E-11	0.000	0.003	0.910	0.001	46.289	TRUE	7.05E-11
FVC	MAP3K7	rs45625637	T	A	0.143	0.017	0.068	4.70E-17	-0.005	0.004	0.246	0.002	70.455	TRUE	8.31E-15
FVC	MAP3K7	rs80138790	T	C	-0.165	0.023	0.034	1.09E-12	0.013	0.007	0.048	0.002	50.680	TRUE	2.73E-10
FVC	MMP9	rs117191103	T	C	0.201	0.035	0.017	7.79E-09	0.016	0.008	0.051	0.001	33.326	TRUE	5.06E-07
FVC	MMP9	rs13925	A	G	0.238	0.011	0.148	2.57E-102	-0.010	0.003	0.003	0.014	461.223	TRUE	2.42E-87
FVC	MMP9	rs148773337	A	C	0.193	0.028	0.025	3.09E-12	-0.015	0.008	0.075	0.002	48.625	TRUE	4.81E-10
FVC	MMP9	rs16990951	A	T	-0.081	0.012	0.123	2.64E-11	-0.004	0.004	0.322	0.001	44.427	TRUE	8.06E-10
FVC	MMP9	rs1805088	T	C	-0.275	0.030	0.019	4.19E-20	0.000	0.008	0.997	0.003	84.322	TRUE	9.98E-19

FVC	MMP9	rs6073995	A	G	-0.110	0.008	0.361	2.84E-40	-0.001	0.003	0.856	0.006	176.469	TRUE	4.50E-37
FVC	MMP9	rs6074044	T	C	-0.074	0.012	0.125	5.28E-10	-0.006	0.003	0.062	0.001	38.569	TRUE	4.58E-08
FVC	MMP9	rs6094239	G	A	-0.191	0.017	0.058	2.73E-29	-0.005	0.006	0.351	0.004	126.225	TRUE	4.78E-26
FVC	MMP9	rs6104500	C	T	-0.084	0.015	0.083	1.07E-08	-0.001	0.004	0.778	0.001	32.703	TRUE	5.72E-08
FVC	MMP9	rs75193673	T	C	0.209	0.031	0.019	3.07E-11	-0.018	0.009	0.058	0.001	44.132	TRUE	4.23E-09
FVC	MMP9	rs77797882	G	A	0.230	0.032	0.025	3.66E-13	-0.009	0.013	0.487	0.002	52.812	TRUE	1.01E-11
FVC	MSH6	rs10169431	T	C	-0.077	0.012	0.423	1.21E-10	0.004	0.002	0.117	0.001	41.453	TRUE	7.53E-09
FVC	MSH6	rs10210340	A	T	-0.124	0.016	0.158	4.71E-14	-0.007	0.003	0.027	0.002	56.845	TRUE	2.88E-11
FVC	MSH6	rs111739930	A	C	-0.406	0.046	0.024	1.10E-18	0.003	0.008	0.682	0.002	77.862	TRUE	5.32E-17
FVC	MSH6	rs111861797	C	T	0.509	0.015	0.171	1.21E-247	-0.012	0.003	3.81E-05	0.034	1129.548	TRUE	8.10E-212
FVC	MSH6	rs111965445	G	C	-0.416	0.015	0.176	7.26E-166	0.009	0.003	0.004	0.023	753.368	TRUE	5.71E-144
FVC	MSH6	rs114121626	T	C	-0.306	0.032	0.035	2.41E-21	-0.007	0.007	0.314	0.003	89.975	TRUE	8.64E-19
FVC	MSH6	rs115414458	C	T	-0.345	0.048	0.024	8.43E-13	0.020	0.011	0.083	0.002	51.176	TRUE	1.41E-10
FVC	MSH6	rs116554316	A	G	0.313	0.046	0.020	1.27E-11	0.004	0.008	0.614	0.001	45.854	TRUE	1.76E-10
FVC	MSH6	rs11689093	A	G	0.157	0.019	0.109	1.52E-16	0.000	0.004	0.996	0.002	68.134	TRUE	1.98E-15
FVC	MSH6	rs11892597	A	C	-0.076	0.012	0.383	5.32E-10	-0.003	0.002	0.305	0.001	38.554	TRUE	1.24E-08
FVC	MSH6	rs12468825	T	C	-0.174	0.022	0.080	1.46E-15	0.004	0.004	0.410	0.002	63.686	TRUE	8.80E-14
FVC	MSH6	rs137896892	T	C	0.400	0.043	0.020	9.95E-21	-0.008	0.008	0.302	0.003	87.167	TRUE	3.27E-18
FVC	MSH6	rs140863805	G	A	0.387	0.063	0.013	8.96E-10	-0.006	0.010	0.544	0.001	37.538	TRUE	9.93E-09
FVC	MSH6	rs145663316	T	C	-0.433	0.044	0.019	3.94E-23	0.009	0.009	0.342	0.003	98.111	TRUE	1.81E-20
FVC	MSH6	rs150279774	T	C	0.421	0.031	0.037	1.82E-41	-0.018	0.006	0.003	0.006	181.936	TRUE	4.60E-34
FVC	MSH6	rs2037230	T	C	-0.207	0.019	0.114	5.60E-29	0.000	0.004	0.998	0.004	124.802	TRUE	6.15E-27
FVC	MSH6	rs2881862	G	A	-0.084	0.012	0.447	2.35E-12	0.004	0.002	0.072	0.002	49.162	TRUE	4.03E-10
FVC	MSH6	rs2969769	C	T	-0.098	0.014	0.221	1.36E-11	0.004	0.003	0.123	0.001	45.730	TRUE	1.12E-09
FVC	MSH6	rs3136329	C	T	-0.120	0.012	0.424	1.06E-23	0.008	0.002	4.96E-04	0.003	100.719	TRUE	2.55E-18
FVC	MSH6	rs4356705	G	A	-0.135	0.012	0.364	2.39E-28	0.016	0.003	4.72E-11	0.004	121.926	TRUE	7.51E-19
FVC	MSH6	rs61087417	A	T	0.203	0.022	0.081	2.14E-20	0.001	0.004	0.906	0.003	85.653	TRUE	7.10E-19
FVC	MSH6	rs61387839	G	A	-0.100	0.013	0.286	2.14E-14	-0.003	0.003	0.280	0.002	58.396	TRUE	1.65E-12
FVC	MSH6	rs62139953	T	C	0.254	0.024	0.067	8.29E-27	-0.002	0.005	0.661	0.004	114.890	TRUE	2.19E-24
FVC	MSH6	rs7371084	C	T	-0.119	0.017	0.148	7.78E-13	0.003	0.003	0.436	0.002	51.334	TRUE	2.27E-11
FVC	MSH6	rs75315139	G	A	-0.370	0.045	0.019	2.40E-16	0.002	0.008	0.779	0.002	67.242	TRUE	5.53E-15
FVC	MSH6	rs75490457	G	T	0.345	0.035	0.030	1.33E-22	-0.019	0.006	0.002	0.003	95.705	TRUE	1.00E-17
FVC	MSH6	rs7557658	C	T	0.180	0.024	0.062	1.92E-13	-0.002	0.005	0.690	0.002	54.078	TRUE	3.15E-12
FVC	MSH6	rs7592742	G	T	-0.126	0.014	0.256	1.16E-20	0.009	0.003	7.46E-04	0.003	86.857	TRUE	8.01E-16
FVC	MSH6	rs78931117	T	C	0.376	0.039	0.023	1.43E-21	-0.008	0.008	0.296	0.003	91.006	TRUE	5.92E-19
FVC	MSH6	rs80204470	C	T	0.347	0.059	0.015	5.27E-09	0.000	0.009	0.980	0.001	34.085	TRUE	1.99E-08
FVC	MSH6	rs876969	T	C	0.114	0.014	0.230	4.04E-16	-0.013	0.003	4.45E-06	0.002	66.213	TRUE	4.07E-11
FVC	MUC1	rs10752610	T	C	0.169	0.029	0.021	7.86E-09	-0.004	0.010	0.648	0.001	33.307	TRUE	5.59E-08
FVC	MUC1	rs11465212	A	G	-0.173	0.032	0.019	4.85E-08	-0.002	0.009	0.857	0.001	29.775	TRUE	1.95E-07
FVC	MUC1	rs11583438	G	C	0.053	0.009	0.227	1.83E-08	-0.003	0.003	0.265	0.001	31.666	TRUE	3.31E-07
FVC	MUC1	rs116631741	C	T	0.340	0.051	0.016	2.36E-11	0.017	0.010	0.082	0.001	44.644	TRUE	2.56E-09
FVC	MUC1	rs1218578	A	G	0.048	0.008	0.454	1.78E-09	-0.001	0.002	0.742	0.001	36.195	TRUE	1.20E-08

FVC	MUC1	rs141942982	T	G	-0.244	0.014	0.093	3.02E-70	0.008	0.004	0.029	0.010	313.922	TRUE	1.07E-60
FVC	MUC1	rs34455078	A	G	-0.099	0.013	0.108	1.65E-14	-0.002	0.004	0.564	0.002	58.905	TRUE	4.91E-13
FVC	MUC1	rs3766916	T	C	0.063	0.008	0.402	1.09E-14	0.000	0.002	0.999	0.002	59.731	TRUE	1.03E-13
FVC	MUC1	rs4845700	C	T	-0.095	0.010	0.186	1.95E-20	0.005	0.003	0.127	0.003	85.832	TRUE	1.99E-17
FVC	MUC1	rs4971100	A	G	0.063	0.008	0.423	3.81E-15	-0.013	0.002	4.86E-08	0.002	61.791	TRUE	1.08E-09
FVC	MUC1	rs61811895	T	G	0.115	0.011	0.169	2.67E-26	0.003	0.003	0.317	0.004	112.575	TRUE	2.89E-23
FVC	MUC1	rs6660884	C	T	0.080	0.008	0.380	1.85E-22	0.001	0.003	0.598	0.003	95.048	TRUE	2.49E-20
FVC	MUC1	rs6694256	C	T	0.375	0.021	0.040	1.01E-68	-0.002	0.006	0.756	0.010	306.923	TRUE	5.56E-63
FVC	MUC1	rs8177960	A	G	-0.288	0.034	0.022	1.84E-17	0.018	0.012	0.127	0.002	72.303	TRUE	7.99E-15
FVC	MUC1	rs9426933	C	T	0.053	0.008	0.347	3.15E-10	-0.006	0.003	0.022	0.001	39.577	TRUE	5.10E-08
FVC	MYH10	rs1874916	C	T	0.056	0.010	0.242	3.76E-08	0.001	0.003	0.819	0.001	30.268	TRUE	1.63E-07
FVC	MYH10	rs34363598	C	T	0.287	0.029	0.031	7.86E-24	0.022	0.008	0.007	0.003	101.306	TRUE	3.41E-19
FVC	MYH10	rs72845200	T	C	-0.079	0.010	0.266	1.23E-15	-0.001	0.003	0.603	0.002	64.015	TRUE	4.07E-14
FVC	MYH10	rs9906019	T	C	0.064	0.009	0.450	1.53E-13	0.005	0.002	0.046	0.002	54.529	TRUE	5.65E-11
FVC	NCK2	rs10203262	T	C	-0.154	0.024	0.030	6.24E-11	0.003	0.009	0.729	0.001	42.740	TRUE	5.75E-10
FVC	NCK2	rs11903909	G	C	-0.054	0.009	0.229	1.46E-08	0.003	0.003	0.278	0.001	32.104	TRUE	2.43E-07
FVC	NCK2	rs143335233	T	C	-0.185	0.032	0.021	5.11E-09	-0.024	0.009	0.005	0.001	34.146	TRUE	1.15E-06
FVC	NCK2	rs1477515	C	T	-0.118	0.008	0.326	5.55E-44	-0.006	0.003	0.027	0.006	193.460	TRUE	2.46E-37
FVC	NCK2	rs34847975	C	A	0.097	0.012	0.134	1.01E-16	0.007	0.003	0.031	0.002	68.952	TRUE	1.37E-13
FVC	NCK2	rs35674772	A	G	0.074	0.009	0.232	5.59E-15	0.008	0.003	0.003	0.002	61.036	TRUE	1.75E-11
FVC	NCK2	rs4851843	C	T	-0.089	0.008	0.364	4.89E-27	-0.009	0.002	4.71E-04	0.004	115.938	TRUE	5.50E-21
FVC	NCK2	rs56288759	T	C	-0.070	0.010	0.213	9.36E-13	-0.003	0.003	0.281	0.002	50.971	TRUE	4.70E-11
FVC	NCK2	rs62152203	G	A	-0.113	0.020	0.044	1.26E-08	-0.004	0.006	0.469	0.001	32.392	TRUE	1.27E-07
FVC	NCK2	rs6726571	C	T	0.158	0.008	0.418	3.99E-86	0.006	0.002	0.008	0.012	386.838	TRUE	7.01E-74
FVC	NCK2	rs72931645	C	G	-0.068	0.012	0.117	4.08E-08	-0.005	0.004	0.135	0.001	30.110	TRUE	1.11E-06
FVC	NCK2	rs77104432	A	G	-0.099	0.013	0.114	1.51E-14	-0.003	0.004	0.420	0.002	59.080	TRUE	7.38E-13
FVC	NPC2	rs10146860	T	G	0.063	0.010	0.327	1.22E-09	-0.009	0.003	2.39E-04	0.001	36.937	TRUE	1.22E-06
FVC	NPC2	rs10220695	G	C	0.093	0.017	0.061	2.32E-08	0.010	0.005	0.040	0.001	31.201	TRUE	1.45E-06
FVC	NPC2	rs11625990	A	G	0.060	0.009	0.405	2.97E-12	-0.009	0.002	1.97E-04	0.002	48.703	TRUE	1.20E-08
FVC	NPC2	rs117238791	T	C	0.176	0.030	0.023	5.81E-09	-0.001	0.008	0.912	0.001	33.894	TRUE	2.52E-08
FVC	NPC2	rs117409005	A	G	-0.171	0.016	0.070	1.41E-26	0.018	0.004	5.15E-05	0.004	113.834	TRUE	5.09E-20
FVC	NPC2	rs117994407	T	C	-0.337	0.030	0.023	3.98E-30	0.011	0.009	0.210	0.004	130.052	TRUE	2.18E-26
FVC	NPC2	rs12889797	A	G	-0.162	0.010	0.205	1.66E-58	-0.004	0.004	0.240	0.008	260.049	TRUE	5.05E-52
FVC	NPC2	rs3825711	G	C	0.109	0.020	0.044	2.72E-08	-0.018	0.008	0.020	0.001	30.896	TRUE	2.35E-06
FVC	NPC2	rs4903222	T	G	0.123	0.010	0.191	2.06E-32	-0.013	0.003	1.09E-05	0.004	140.499	TRUE	1.80E-24
FVC	NPC2	rs57404741	T	C	-0.073	0.012	0.143	4.33E-10	-0.014	0.003	2.90E-05	0.001	38.955	TRUE	1.00E-06
FVC	NPC2	rs61734850	C	G	0.086	0.013	0.111	3.39E-11	0.009	0.004	0.017	0.001	43.933	TRUE	1.02E-08
FVC	NPC2	rs7145480	A	G	0.201	0.028	0.026	2.91E-13	-0.006	0.006	0.369	0.002	53.264	TRUE	1.21E-11
FVC	NPC2	rs75441777	T	G	-0.199	0.029	0.022	7.26E-12	-0.004	0.008	0.663	0.001	46.952	TRUE	9.28E-11
FVC	NPC2	rs75672081	T	C	0.192	0.022	0.034	1.35E-17	0.000	0.006	0.973	0.002	72.920	TRUE	2.25E-16
FVC	NPC2	rs76766564	A	C	-0.189	0.025	0.033	3.11E-14	0.001	0.007	0.932	0.002	57.659	TRUE	3.24E-13
FVC	NPC2	rs79515561	T	C	-0.206	0.019	0.056	3.32E-27	0.012	0.005	0.015	0.004	116.703	TRUE	2.20E-22

FVC	NPC2	rs8003055	C	A	0.059	0.009	0.276	4.26E-11	0.013	0.003	4.23E-07	0.001	43.489	TRUE	6.65E-07
FVC	NPC2	rs862036	T	C	0.135	0.008	0.374	8.67E-61	-0.009	0.003	4.39E-04	0.008	270.518	TRUE	4.58E-50
FVC	OPA1	rs113064796	A	G	0.354	0.049	0.013	4.39E-13	0.006	0.010	0.532	0.002	52.458	TRUE	1.03E-11
FVC	OPA1	rs12633268	C	A	0.106	0.011	0.182	1.17E-20	0.006	0.003	0.069	0.003	86.853	TRUE	2.33E-17
FVC	OPA1	rs181232145	A	T	0.483	0.016	0.093	1.04E-202	0.010	0.004	0.017	0.028	922.828	TRUE	4.01E-178
FVC	OPA1	rs184351843	T	C	0.327	0.048	0.018	1.30E-11	-0.004	0.017	0.818	0.001	45.806	TRUE	1.12E-10
FVC	OPA1	rs6799497	G	A	0.120	0.013	0.127	5.48E-20	0.001	0.004	0.722	0.003	83.794	TRUE	2.91E-18
FVC	OPA1	rs7647159	G	C	-0.085	0.011	0.202	4.56E-15	0.000	0.003	0.961	0.002	61.436	TRUE	4.95E-14
FVC	OPA1	rs80205211	T	C	0.170	0.028	0.034	7.32E-10	-0.004	0.008	0.589	0.001	37.931	TRUE	7.48E-09
FVC	OPA1	rs9867884	A	C	0.364	0.056	0.013	8.43E-11	0.012	0.010	0.265	0.001	42.154	TRUE	2.74E-09
FVC	OPA1	rs9875686	C	A	-0.155	0.009	0.354	1.67E-66	-0.004	0.003	0.075	0.009	296.743	TRUE	3.56E-58
FVC	OPTN	rs10796020	C	T	0.092	0.008	0.463	3.81E-30	0.000	0.002	0.867	0.004	130.139	TRUE	8.42E-28
FVC	OPTN	rs10796043	G	T	0.063	0.011	0.167	4.03E-09	0.004	0.003	0.244	0.001	34.608	TRUE	9.29E-08
FVC	OPTN	rs10906264	C	T	-0.076	0.014	0.094	2.02E-08	-0.001	0.004	0.860	0.001	31.477	TRUE	8.68E-08
FVC	OPTN	rs10906283	A	C	-0.078	0.014	0.094	8.90E-09	0.000	0.004	0.934	0.001	33.065	TRUE	3.51E-08
FVC	OPTN	rs10906316	C	T	0.057	0.008	0.456	3.99E-12	-0.002	0.003	0.519	0.002	48.127	TRUE	7.88E-11
FVC	OPTN	rs11257655	T	C	0.068	0.010	0.209	2.98E-12	-0.016	0.003	4.97E-08	0.002	48.698	TRUE	1.45E-07
FVC	OPTN	rs11258186	G	A	0.167	0.025	0.026	2.61E-11	-0.002	0.007	0.781	0.001	44.446	TRUE	2.30E-10
FVC	OPTN	rs112628075	A	G	0.156	0.018	0.067	1.40E-18	0.003	0.004	0.464	0.002	77.397	TRUE	1.36E-16
FVC	OPTN	rs113365968	A	G	-0.199	0.023	0.034	2.68E-18	0.001	0.007	0.904	0.002	76.110	TRUE	6.21E-17
FVC	OPTN	rs11594303	T	C	-0.193	0.023	0.037	1.10E-16	-0.002	0.005	0.720	0.002	68.786	TRUE	3.14E-15
FVC	OPTN	rs117538644	C	T	-0.235	0.026	0.031	1.17E-19	0.003	0.006	0.658	0.003	82.300	TRUE	7.30E-18
FVC	OPTN	rs117894790	C	A	0.113	0.019	0.052	3.07E-09	0.002	0.006	0.771	0.001	35.134	TRUE	1.83E-08
FVC	OPTN	rs12775115	G	A	-0.051	0.009	0.305	4.12E-09	0.002	0.003	0.492	0.001	34.565	TRUE	4.40E-08
FVC	OPTN	rs17597413	G	A	-0.400	0.016	0.071	8.00E-142	-0.004	0.004	0.305	0.020	642.814	TRUE	9.06E-128
FVC	OPTN	rs185705950	T	C	-0.428	0.039	0.016	5.06E-28	-0.007	0.008	0.406	0.004	120.434	TRUE	4.91E-25
FVC	OPTN	rs2580901	A	G	0.066	0.008	0.479	7.63E-17	0.006	0.002	0.012	0.002	69.498	TRUE	2.35E-13
FVC	OPTN	rs35248101	C	A	0.245	0.029	0.023	9.78E-17	0.004	0.008	0.636	0.002	69.008	TRUE	3.74E-15
FVC	OPTN	rs473278	C	G	-0.130	0.010	0.204	6.84E-39	0.001	0.003	0.859	0.005	170.146	TRUE	7.63E-36
FVC	OPTN	rs55977440	C	T	-0.230	0.008	0.525	2.58E-187	-0.002	0.002	0.349	0.026	852.010	TRUE	3.51E-169
FVC	OPTN	rs58505537	A	G	-0.423	0.009	0.270	0.00E+00	-0.007	0.003	0.004	0.070	2400.063	TRUE	0.00E+00
FVC	OPTN	rs61259411	G	A	0.089	0.011	0.150	2.55E-15	-0.003	0.003	0.298	0.002	62.586	TRUE	2.25E-13
FVC	OPTN	rs7072752	A	G	0.134	0.009	0.349	9.18E-52	-0.002	0.003	0.469	0.007	229.126	TRUE	9.46E-47
FVC	OPTN	rs7090451	C	G	-0.065	0.010	0.200	9.17E-11	0.005	0.003	0.118	0.001	41.988	TRUE	6.00E-09
FVC	OPTN	rs7091832	G	A	0.067	0.009	0.313	9.17E-15	0.001	0.003	0.775	0.002	60.062	TRUE	1.56E-13
FVC	OPTN	rs78411037	C	G	0.071	0.011	0.152	1.67E-10	-0.001	0.003	0.786	0.001	40.822	TRUE	1.24E-09
FVC	ORMDL3	rs1009727	A	G	-0.056	0.009	0.305	1.48E-10	-0.005	0.003	0.049	0.001	41.052	TRUE	1.65E-08
FVC	ORMDL3	rs10305287	C	A	-0.299	0.042	0.016	1.66E-12	-0.002	0.010	0.812	0.002	49.852	TRUE	1.71E-11
FVC	ORMDL3	rs10305295	G	T	0.184	0.022	0.038	2.93E-17	0.012	0.006	0.049	0.002	71.384	TRUE	3.03E-14
FVC	ORMDL3	rs11078892	T	C	0.075	0.010	0.473	5.24E-14	0.004	0.003	0.078	0.002	56.634	TRUE	1.24E-11
FVC	ORMDL3	rs11078916	T	C	0.340	0.009	0.291	0.00E+00	-0.018	0.003	8.28E-12	0.048	1587.200	TRUE	1.70E-286
FVC	ORMDL3	rs11079074	T	C	-0.088	0.008	0.440	5.23E-28	-0.003	0.002	0.222	0.004	120.368	TRUE	1.50E-24

FVC	ORMDL3	rs112433793	G	A	0.097	0.013	0.135	1.00E-14	-0.001	0.004	0.888	0.002	59.888	TRUE	1.28E-13
FVC	ORMDL3	rs113235009	G	T	-0.097	0.015	0.076	1.23E-10	-0.006	0.005	0.193	0.001	41.412	TRUE	5.09E-09
FVC	ORMDL3	rs113557550	T	C	0.143	0.019	0.050	1.16E-13	-0.001	0.006	0.932	0.002	55.065	TRUE	1.10E-12
FVC	ORMDL3	rs113930796	C	T	0.428	0.025	0.030	3.00E-64	0.013	0.007	0.076	0.009	286.397	TRUE	3.86E-56
FVC	ORMDL3	rs11652139	G	A	-0.353	0.008	0.403	0.00E+00	-0.002	0.004	0.584	0.059	1979.006	TRUE	0.00E+00
FVC	ORMDL3	rs117270499	G	A	-0.468	0.030	0.024	2.91E-54	-0.002	0.006	0.723	0.008	240.582	TRUE	1.16E-49
FVC	ORMDL3	rs117302117	T	C	-0.192	0.034	0.017	1.72E-08	-0.012	0.008	0.136	0.001	31.783	TRUE	5.18E-07
FVC	ORMDL3	rs117362920	C	A	0.404	0.030	0.023	1.89E-41	-0.021	0.006	3.56E-04	0.006	181.860	TRUE	3.75E-33
FVC	ORMDL3	rs117504211	C	A	-0.391	0.017	0.068	6.33E-114	0.002	0.005	0.732	0.016	514.569	TRUE	2.74E-104
FVC	ORMDL3	rs117620922	G	A	0.278	0.029	0.026	6.60E-22	0.010	0.009	0.254	0.003	92.535	TRUE	3.64E-19
FVC	ORMDL3	rs118017471	A	G	0.492	0.032	0.021	8.81E-53	-0.019	0.007	0.007	0.007	233.793	TRUE	2.36E-44
FVC	ORMDL3	rs118034841	T	C	-0.689	0.034	0.021	2.61E-91	0.013	0.007	0.050	0.013	410.652	TRUE	5.88E-80
FVC	ORMDL3	rs118036166	G	A	0.399	0.034	0.018	1.47E-31	0.003	0.009	0.772	0.004	136.600	TRUE	6.14E-29
FVC	ORMDL3	rs118082529	T	C	0.275	0.050	0.016	4.88E-08	-0.010	0.011	0.366	0.001	29.764	TRUE	5.56E-07
FVC	ORMDL3	rs118132312	G	A	-0.417	0.044	0.016	3.41E-21	0.006	0.008	0.438	0.003	89.286	TRUE	6.53E-19
FVC	ORMDL3	rs11868060	G	A	-0.379	0.029	0.027	1.77E-38	-0.005	0.006	0.444	0.005	168.252	TRUE	1.34E-34
FVC	ORMDL3	rs11871317	G	C	-0.237	0.010	0.243	1.21E-120	0.009	0.003	0.001	0.017	545.451	TRUE	5.95E-103
FVC	ORMDL3	rs12450388	C	T	-0.064	0.009	0.426	1.81E-13	-0.001	0.002	0.685	0.002	54.193	TRUE	3.14E-12
FVC	ORMDL3	rs12946162	T	C	-0.093	0.012	0.133	9.01E-14	0.002	0.003	0.589	0.002	55.567	TRUE	2.19E-12
FVC	ORMDL3	rs12946335	T	C	-0.672	0.031	0.019	3.98E-101	-0.003	0.009	0.718	0.014	455.752	TRUE	1.60E-92
FVC	ORMDL3	rs138914307	T	C	0.277	0.044	0.015	2.79E-10	-0.004	0.010	0.683	0.001	39.816	TRUE	2.51E-09
FVC	ORMDL3	rs142899349	C	T	-1.010	0.058	0.019	2.53E-67	-0.028	0.016	0.072	0.009	300.512	TRUE	7.72E-59
FVC	ORMDL3	rs143669790	A	G	0.481	0.031	0.027	9.23E-54	0.004	0.009	0.643	0.007	238.286	TRUE	5.23E-49
FVC	ORMDL3	rs143700374	T	G	-0.406	0.064	0.013	2.16E-10	0.016	0.010	0.114	0.001	40.315	TRUE	1.32E-08
FVC	ORMDL3	rs143706978	C	T	0.437	0.038	0.016	1.18E-30	-0.021	0.009	0.012	0.004	132.467	TRUE	2.77E-25
FVC	ORMDL3	rs1467258	G	A	-0.177	0.012	0.134	3.53E-50	0.010	0.003	0.004	0.007	221.859	TRUE	9.96E-42
FVC	ORMDL3	rs146767035	A	G	-0.385	0.028	0.028	2.37E-44	0.005	0.007	0.458	0.006	195.153	TRUE	5.86E-40
FVC	ORMDL3	rs146890554	T	C	0.354	0.039	0.015	3.09E-19	0.006	0.010	0.540	0.003	80.374	TRUE	2.68E-17
FVC	ORMDL3	rs147879892	T	C	0.255	0.042	0.013	9.91E-10	-0.002	0.009	0.858	0.001	37.339	TRUE	5.45E-09
FVC	ORMDL3	rs148116769	T	G	-0.390	0.049	0.021	2.29E-15	-0.007	0.009	0.421	0.002	62.799	TRUE	1.28E-13
FVC	ORMDL3	rs150597587	C	T	-0.435	0.020	0.049	5.81E-102	0.001	0.005	0.826	0.014	459.595	TRUE	1.20E-93
FVC	ORMDL3	rs1558284	G	T	0.097	0.015	0.077	2.04E-10	0.006	0.004	0.179	0.001	40.422	TRUE	8.75E-09
FVC	ORMDL3	rs16537	T	C	-0.148	0.014	0.126	5.38E-25	-0.006	0.003	0.078	0.003	106.620	TRUE	3.14E-21
FVC	ORMDL3	rs186413878	C	T	-0.674	0.097	0.021	3.42E-12	-0.004	0.018	0.816	0.002	48.430	TRUE	3.27E-11
FVC	ORMDL3	rs192665233	A	C	0.429	0.020	0.047	7.64E-103	0.005	0.006	0.389	0.014	463.641	TRUE	6.62E-93
FVC	ORMDL3	rs2071427	T	C	0.098	0.010	0.257	1.19E-23	-0.001	0.003	0.717	0.003	100.478	TRUE	1.43E-21
FVC	ORMDL3	rs2301775	G	A	-0.167	0.013	0.127	2.39E-39	-0.006	0.004	0.084	0.005	172.235	TRUE	5.39E-34
FVC	ORMDL3	rs2338582	T	C	0.070	0.011	0.179	1.52E-10	0.005	0.003	0.163	0.001	41.006	TRUE	7.39E-09
FVC	ORMDL3	rs34585058	A	G	-0.088	0.016	0.097	2.39E-08	-0.008	0.004	0.030	0.001	31.146	TRUE	1.71E-06
FVC	ORMDL3	rs35797841	T	C	0.412	0.019	0.049	2.30E-102	0.005	0.006	0.399	0.014	461.439	TRUE	1.73E-92
FVC	ORMDL3	rs3764354	T	C	-0.768	0.011	0.128	0.00E+00	0.006	0.003	0.087	0.129	4685.811	TRUE	0.00E+00
FVC	ORMDL3	rs4795372	C	T	0.151	0.027	0.051	1.56E-08	-0.012	0.010	0.247	0.001	31.979	TRUE	2.92E-07

FVC	ORMDL3	rs482284	A	G	-0.102	0.009	0.287	2.51E-30	-0.005	0.003	0.059	0.004	130.960	TRUE	7.92E-26
FVC	ORMDL3	rs506728	C	G	-0.105	0.010	0.200	5.57E-26	-0.003	0.003	0.232	0.003	111.113	TRUE	8.94E-23
FVC	ORMDL3	rs55957019	G	A	0.458	0.018	0.050	2.10E-137	0.019	0.005	1.20E-04	0.019	622.493	TRUE	5.44E-116
FVC	ORMDL3	rs580506	A	G	-0.160	0.015	0.076	2.51E-25	-0.002	0.004	0.601	0.003	108.127	TRUE	6.27E-23
FVC	ORMDL3	rs62065218	T	C	0.352	0.048	0.017	1.69E-13	-0.003	0.011	0.812	0.002	54.331	TRUE	2.08E-12
FVC	ORMDL3	rs62077536	T	C	-0.369	0.032	0.020	3.45E-30	-0.001	0.010	0.891	0.004	130.331	TRUE	6.99E-28
FVC	ORMDL3	rs658542	T	C	-0.152	0.011	0.153	5.74E-43	0.003	0.003	0.299	0.006	188.815	TRUE	2.86E-38
FVC	ORMDL3	rs7217240	T	C	0.486	0.010	0.198	0.00E+00	0.004	0.003	0.191	0.074	2532.299	TRUE	0.00E+00
FVC	ORMDL3	rs72819670	G	A	-0.323	0.036	0.017	1.47E-19	-0.006	0.008	0.406	0.003	81.847	TRUE	2.25E-17
FVC	ORMDL3	rs72819672	A	G	-0.208	0.018	0.052	2.20E-29	0.001	0.005	0.786	0.004	126.658	TRUE	5.72E-27
FVC	ORMDL3	rs72823325	G	C	0.082	0.009	0.274	1.68E-18	0.000	0.003	0.990	0.002	77.031	TRUE	3.04E-17
FVC	ORMDL3	rs72825152	T	C	-0.459	0.054	0.013	1.41E-17	0.020	0.012	0.088	0.002	72.825	TRUE	9.31E-15
FVC	ORMDL3	rs72825191	A	G	0.322	0.047	0.020	6.61E-12	-0.016	0.008	0.050	0.001	47.136	TRUE	1.24E-09
FVC	ORMDL3	rs72825201	C	A	-0.285	0.017	0.065	1.28E-63	0.018	0.005	1.20E-04	0.009	283.514	TRUE	7.42E-52
FVC	ORMDL3	rs72832915	A	G	-0.340	0.009	0.311	0.00E+00	0.002	0.003	0.425	0.044	1455.578	TRUE	1.99E-287
FVC	ORMDL3	rs72832993	A	C	0.346	0.017	0.070	2.45E-94	-0.007	0.005	0.120	0.013	424.555	TRUE	1.42E-83
FVC	ORMDL3	rs72834789	C	T	0.204	0.012	0.129	4.37E-67	0.002	0.003	0.531	0.009	299.416	TRUE	6.76E-61
FVC	ORMDL3	rs72836603	A	C	-0.402	0.033	0.020	1.08E-34	-0.011	0.008	0.127	0.005	150.927	TRUE	3.96E-30
FVC	ORMDL3	rs72836619	T	G	-0.340	0.023	0.037	7.54E-50	-0.009	0.006	0.117	0.007	220.348	TRUE	1.24E-43
FVC	ORMDL3	rs74767487	A	G	0.279	0.016	0.079	4.75E-68	-0.010	0.004	0.023	0.009	303.842	TRUE	1.45E-58
FVC	ORMDL3	rs75646943	T	C	-0.352	0.028	0.026	6.05E-37	0.012	0.008	0.156	0.005	161.234	TRUE	2.82E-32
FVC	ORMDL3	rs757319	G	C	0.212	0.021	0.036	6.38E-23	0.002	0.006	0.679	0.003	97.158	TRUE	7.16E-21
FVC	ORMDL3	rs75905358	C	G	0.245	0.010	0.210	1.61E-140	0.011	0.003	4.00E-05	0.020	636.827	TRUE	3.84E-118
FVC	ORMDL3	rs76555104	A	G	-0.740	0.036	0.017	1.35E-92	-0.008	0.008	0.316	0.013	416.558	TRUE	2.85E-83
FVC	ORMDL3	rs77107066	T	C	-0.095	0.013	0.131	5.16E-14	-0.004	0.003	0.293	0.002	56.664	TRUE	3.28E-12
FVC	ORMDL3	rs77812225	A	G	-0.197	0.030	0.020	8.27E-11	0.009	0.008	0.304	0.001	42.190	TRUE	2.37E-09
FVC	ORMDL3	rs78581969	T	C	0.104	0.014	0.087	2.78E-13	0.003	0.004	0.426	0.002	53.354	TRUE	9.50E-12
FVC	ORMDL3	rs78736194	A	C	0.117	0.021	0.047	1.61E-08	0.001	0.005	0.816	0.001	31.909	TRUE	7.65E-08
FVC	ORMDL3	rs79010101	T	C	0.210	0.019	0.049	4.48E-28	0.003	0.005	0.512	0.004	120.677	TRUE	2.78E-25
FVC	ORMDL3	rs79730542	C	T	-0.249	0.029	0.023	4.09E-18	-0.009	0.007	0.227	0.002	75.272	TRUE	1.02E-15
FVC	ORMDL3	rs8065040	G	A	0.063	0.008	0.449	2.21E-15	0.002	0.002	0.392	0.002	62.862	TRUE	1.32E-13
FVC	ORMDL3	rs8075931	T	C	-0.245	0.038	0.016	1.11E-10	-0.017	0.009	0.070	0.001	41.610	TRUE	1.09E-08
FVC	ORMDL3	rs9914748	G	A	-0.048	0.008	0.388	3.55E-09	0.001	0.002	0.654	0.001	34.855	TRUE	2.73E-08
FVC	OXSM	rs112544610	C	A	-0.186	0.019	0.055	2.62E-22	-0.004	0.005	0.406	0.003	94.364	TRUE	7.24E-20
FVC	OXSM	rs1387212	C	T	0.117	0.018	0.055	1.54E-10	0.004	0.005	0.384	0.001	40.973	TRUE	3.14E-09
FVC	OXSM	rs6550985	C	G	0.118	0.011	0.171	9.92E-27	0.007	0.003	0.029	0.004	114.536	TRUE	2.92E-22
FVC	OXSM	rs78549352	G	A	-0.101	0.017	0.065	2.82E-09	0.010	0.005	0.039	0.001	35.300	TRUE	2.57E-07
FVC	PARK7	rs113612855	G	A	0.433	0.030	0.022	7.35E-46	-0.010	0.007	0.161	0.006	202.064	TRUE	2.58E-40
FVC	PARK7	rs12138839	G	T	0.085	0.009	0.320	1.99E-23	-0.006	0.003	0.011	0.003	99.462	TRUE	4.99E-19
FVC	PARK7	rs12758337	T	C	-0.207	0.008	0.364	1.15E-141	0.007	0.002	0.004	0.020	642.083	TRUE	3.32E-122
FVC	PARK7	rs138202776	A	C	0.264	0.033	0.019	1.06E-15	-0.003	0.009	0.756	0.002	64.319	TRUE	2.27E-14
FVC	PARK7	rs139347174	T	G	0.348	0.047	0.020	2.34E-13	-0.007	0.009	0.446	0.002	53.696	TRUE	7.65E-12

FVC	PARK7	rs150442886	C	T	-0.131	0.021	0.040	1.81E-10	0.002	0.006	0.692	0.001	40.664	TRUE	1.63E-09
FVC	PARK7	rs161805	G	A	-0.217	0.025	0.029	4.83E-18	-0.002	0.009	0.806	0.002	74.946	TRUE	1.40E-16
FVC	PARK7	rs17523802	A	G	0.406	0.011	0.176	0.00E+00	-0.016	0.003	3.04E-07	0.044	1445.145	TRUE	1.83E-267
FVC	PARK7	rs2004255	T	C	-0.053	0.008	0.365	2.53E-10	0.000	0.003	0.977	0.001	40.003	TRUE	1.23E-09
FVC	PARK7	rs2051645	A	G	-0.055	0.009	0.293	2.48E-10	0.003	0.003	0.311	0.001	40.041	TRUE	5.92E-09
FVC	PARK7	rs2066980	G	A	-0.072	0.008	0.356	4.78E-18	0.003	0.002	0.265	0.002	74.966	TRUE	1.00E-15
FVC	PARK7	rs227160	G	A	-0.126	0.008	0.444	7.50E-56	0.003	0.002	0.195	0.008	247.870	TRUE	1.54E-49
FVC	PARK7	rs2791322	T	C	-0.056	0.010	0.212	9.08E-09	0.007	0.003	0.025	0.001	33.026	TRUE	8.01E-07
FVC	PARK7	rs3124801	T	G	-0.071	0.008	0.391	1.93E-18	0.005	0.002	0.030	0.002	76.757	TRUE	4.39E-15
FVC	PARK7	rs34216262	T	C	-0.200	0.032	0.021	2.36E-10	-0.001	0.007	0.915	0.001	40.145	TRUE	1.28E-09
FVC	PARK7	rs34781518	T	C	-0.267	0.041	0.014	8.98E-11	0.012	0.011	0.266	0.001	42.029	TRUE	2.92E-09
FVC	PARK7	rs4317829	C	T	-0.051	0.009	0.471	2.42E-08	0.006	0.002	0.014	0.001	31.119	TRUE	2.43E-06
FVC	PARK7	rs4908685	A	C	0.203	0.024	0.034	5.80E-17	-0.016	0.006	0.008	0.002	70.039	TRUE	2.17E-13
FVC	PARK7	rs57892796	T	C	-0.060	0.010	0.233	2.51E-10	0.001	0.003	0.688	0.001	40.021	TRUE	2.21E-09
FVC	PARK7	rs6684694	G	T	-0.065	0.008	0.391	1.29E-15	0.003	0.002	0.172	0.002	63.932	TRUE	2.25E-13
FVC	PARK7	rs6703670	A	G	-0.225	0.019	0.048	2.37E-33	0.005	0.005	0.389	0.005	144.798	TRUE	8.45E-30
FVC	PARK7	rs697685	A	G	0.101	0.008	0.334	7.59E-33	-0.006	0.003	0.021	0.004	142.484	TRUE	1.71E-27
FVC	PARK7	rs71639217	A	G	0.238	0.016	0.079	1.30E-48	-0.004	0.004	0.326	0.007	214.679	TRUE	1.84E-43
FVC	PARK7	rs7518209	C	T	-0.108	0.012	0.123	3.55E-19	0.004	0.004	0.295	0.003	80.098	TRUE	7.88E-17
FVC	PARK7	rs75766272	T	C	-0.174	0.029	0.025	1.92E-09	0.013	0.008	0.095	0.001	36.055	TRUE	9.96E-08
FVC	PARK7	rs76648881	C	T	-0.135	0.024	0.031	2.32E-08	0.011	0.007	0.132	0.001	31.202	TRUE	6.70E-07
FVC	PARK7	rs9434617	C	T	-0.050	0.009	0.360	6.31E-09	0.004	0.003	0.112	0.001	33.735	TRUE	2.43E-07
FVC	PDHB	rs113299433	A	C	0.089	0.016	0.078	1.92E-08	-0.005	0.004	0.279	0.001	31.576	TRUE	3.09E-07
FVC	PDHB	rs145305055	C	G	0.140	0.020	0.050	3.70E-12	-0.003	0.006	0.622	0.002	48.275	TRUE	5.63E-11
FVC	PDHB	rs148376582	T	C	-0.179	0.032	0.022	2.36E-08	-0.006	0.010	0.558	0.001	31.170	TRUE	1.84E-07
FVC	PDHB	rs150975879	A	G	-0.266	0.032	0.020	2.10E-16	0.003	0.008	0.745	0.002	67.498	TRUE	5.33E-15
FVC	PDHB	rs1718478	C	T	-0.048	0.008	0.394	6.78E-09	0.000	0.002	0.904	0.001	33.596	TRUE	2.95E-08
FVC	PDHB	rs188606667	T	G	-0.305	0.033	0.020	3.63E-20	0.031	0.012	0.007	0.003	84.609	TRUE	5.03E-16
FVC	PDHB	rs35674270	G	A	-0.138	0.012	0.124	4.32E-30	-0.002	0.004	0.593	0.004	129.889	TRUE	2.76E-27
FVC	PDHB	rs36032099	A	G	0.114	0.008	0.439	7.22E-42	-0.003	0.002	0.286	0.006	183.775	TRUE	3.40E-37
FVC	PDHB	rs4681669	A	G	-0.146	0.008	0.443	6.71E-75	0.001	0.002	0.797	0.010	335.285	TRUE	8.87E-69
FVC	PDHB	rs4681851	G	C	-0.313	0.011	0.144	1.12E-171	0.003	0.003	0.410	0.024	780.098	TRUE	2.71E-155
FVC	PDHB	rs4681870	C	T	0.093	0.009	0.280	7.64E-26	-0.003	0.003	0.357	0.003	110.487	TRUE	5.59E-23
FVC	PDHB	rs56193702	C	T	-0.094	0.017	0.063	4.30E-08	0.006	0.005	0.211	0.001	30.007	TRUE	7.91E-07
FVC	PDHB	rs6787467	A	G	0.288	0.008	0.357	1.95E-275	-0.006	0.003	0.020	0.038	1257.416	TRUE	6.68E-243
FVC	PDHB	rs6790806	T	C	-0.091	0.010	0.212	8.57E-21	0.008	0.003	0.004	0.003	87.462	TRUE	1.99E-16
FVC	PDHB	rs72876120	C	A	-0.078	0.014	0.107	1.76E-08	-0.001	0.004	0.771	0.001	31.740	TRUE	9.05E-08
FVC	PDHB	rs73078079	G	A	-0.105	0.018	0.052	1.14E-08	0.005	0.005	0.302	0.001	32.586	TRUE	1.81E-07
FVC	PDHB	rs73090336	A	G	-0.103	0.014	0.085	6.35E-13	-0.002	0.004	0.558	0.002	51.733	TRUE	1.36E-11
FVC	PDHB	rs7627013	A	G	0.107	0.009	0.246	3.43E-31	-0.007	0.003	0.018	0.004	134.917	TRUE	6.64E-26
FVC	PDHB	rs7631741	G	T	-0.053	0.008	0.376	2.64E-10	0.003	0.002	0.157	0.001	39.922	TRUE	1.22E-08
FVC	PDHB	rs7644444	A	G	0.327	0.024	0.032	8.07E-41	-0.006	0.009	0.529	0.006	178.975	TRUE	6.35E-37

FVC	PDHB	rs78196272	A	G	0.244	0.043	0.014	9.51E-09	-0.015	0.008	0.060	0.001	32.936	TRUE	5.46E-07
FVC	PDHB	rs9827495	T	G	-0.263	0.011	0.185	5.13E-128	-0.005	0.005	0.346	0.018	579.336	TRUE	1.67E-115
FVC	PDHB	rs9844590	A	G	-0.163	0.025	0.030	4.96E-11	-0.003	0.010	0.800	0.001	43.189	TRUE	3.98E-10
FVC	PDLIM1	rs10786197	G	A	0.127	0.014	0.094	1.08E-20	0.001	0.004	0.744	0.003	87.009	TRUE	6.54E-19
FVC	PDLIM1	rs10882654	G	T	-0.045	0.008	0.478	1.47E-08	-0.006	0.002	0.010	0.001	32.088	TRUE	1.90E-06
FVC	PDLIM1	rs11188105	C	T	-0.071	0.008	0.436	4.72E-19	0.003	0.002	0.216	0.003	79.537	TRUE	1.53E-16
FVC	PDLIM1	rs11188258	A	G	-0.173	0.023	0.032	5.36E-14	-0.004	0.009	0.690	0.002	56.589	TRUE	1.00E-12
FVC	PDLIM1	rs113544984	A	C	-0.111	0.015	0.073	2.91E-13	-0.011	0.005	0.022	0.002	53.264	TRUE	1.56E-10
FVC	PDLIM1	rs11596570	T	C	0.170	0.026	0.027	3.71E-11	0.004	0.007	0.541	0.001	43.758	TRUE	5.72E-10
FVC	PDLIM1	rs116338139	A	G	-0.119	0.022	0.035	4.43E-08	-0.008	0.006	0.200	0.001	29.948	TRUE	8.71E-07
FVC	PDLIM1	rs34031095	G	A	0.207	0.013	0.112	9.23E-61	0.000	0.004	0.953	0.008	270.396	TRUE	3.60E-56
FVC	PDLIM1	rs3737015	A	T	-0.235	0.010	0.205	3.78E-127	-0.008	0.003	0.012	0.018	575.351	TRUE	1.28E-110
FVC	PDLIM1	rs41291566	G	A	0.142	0.023	0.034	7.70E-10	-0.004	0.007	0.589	0.001	37.833	TRUE	7.75E-09
FVC	PDLIM1	rs45546031	T	C	0.164	0.011	0.173	2.59E-50	-0.006	0.003	0.035	0.007	222.474	TRUE	3.75E-43
FVC	PDLIM1	rs4918914	A	G	-0.077	0.011	0.140	1.66E-11	0.002	0.004	0.485	0.001	45.336	TRUE	3.09E-10
FVC	PDLIM1	rs55965825	T	G	-0.254	0.019	0.046	8.86E-41	0.002	0.006	0.774	0.006	178.788	TRUE	2.08E-37
FVC	PDLIM1	rs61886805	C	A	0.090	0.014	0.099	6.52E-11	0.007	0.004	0.132	0.001	42.654	TRUE	4.13E-09
FVC	PDLIM1	rs6583975	T	C	-0.094	0.012	0.142	1.89E-14	-0.003	0.003	0.344	0.002	58.638	TRUE	1.19E-12
FVC	PDLIM1	rs7075651	T	C	0.057	0.009	0.302	7.44E-11	0.004	0.003	0.147	0.001	42.398	TRUE	4.48E-09
FVC	PDLIM1	rs74538386	A	G	0.145	0.015	0.073	4.10E-21	0.000	0.004	0.984	0.003	88.919	TRUE	1.23E-19
FVC	PDLIM1	rs77186190	G	A	-0.321	0.042	0.015	1.23E-14	-0.003	0.010	0.748	0.002	59.477	TRUE	2.22E-13
FVC	PDLIM1	rs7921287	A	G	-0.218	0.011	0.154	1.02E-88	-0.002	0.003	0.619	0.012	398.739	TRUE	7.08E-81
FVC	PDLIM1	rs9332179	G	T	0.183	0.030	0.023	1.02E-09	0.004	0.007	0.605	0.001	37.283	TRUE	9.74E-09
FVC	PGD	rs1536262	T	C	0.093	0.012	0.476	5.29E-15	0.006	0.002	0.019	0.002	61.145	TRUE	6.12E-12
FVC	PHLDA3	rs10920203	A	G	0.326	0.024	0.031	3.71E-41	0.020	0.008	0.009	0.006	180.520	TRUE	2.53E-34
FVC	PHLDA3	rs6427902	G	A	0.045	0.008	0.450	2.82E-08	-0.006	0.002	0.018	0.001	30.827	TRUE	2.46E-06
FVC	PIK3R1	rs11739183	C	G	-0.057	0.009	0.310	3.52E-11	0.005	0.003	0.041	0.001	43.859	TRUE	5.84E-09
FVC	PIK3R1	rs1974781	A	T	-0.061	0.009	0.283	1.48E-11	-0.003	0.003	0.340	0.001	45.562	TRUE	4.25E-10
FVC	PIK3R1	rs2888227	C	T	0.059	0.008	0.393	5.62E-13	0.002	0.002	0.478	0.002	51.972	TRUE	1.52E-11
FVC	PIK3R1	rs34287	A	G	-0.097	0.008	0.373	1.50E-32	0.001	0.003	0.787	0.004	141.130	TRUE	7.32E-30
FVC	PIK3R1	rs4976156	G	A	0.150	0.010	0.214	2.04E-54	0.009	0.003	0.003	0.008	241.297	TRUE	3.21E-45
FVC	PIK3R1	rs62357310	T	C	-0.189	0.027	0.023	6.63E-12	-0.007	0.007	0.275	0.001	47.131	TRUE	2.76E-10
FVC	PIK3R1	rs75783050	G	A	0.146	0.023	0.037	9.83E-11	0.002	0.006	0.722	0.001	41.853	TRUE	8.86E-10
FVC	PIK3R1	rs77315565	T	C	-0.102	0.016	0.076	6.10E-11	-0.011	0.005	0.022	0.001	42.784	TRUE	1.42E-08
FVC	PLA2G15	rs190722494	A	G	0.282	0.041	0.024	8.89E-12	0.013	0.019	0.505	0.001	46.556	TRUE	1.71E-10
FVC	PLA2G15	rs7672	C	G	0.089	0.009	0.296	1.24E-23	0.007	0.003	0.005	0.003	100.406	TRUE	6.69E-19
FVC	PLA2G15	rs9888986	A	G	-0.100	0.013	0.113	1.78E-15	-0.009	0.004	0.015	0.002	63.290	TRUE	2.51E-12
FVC	POLDIP2	rs1007398	A	G	-0.136	0.008	0.406	4.41E-64	-0.002	0.002	0.430	0.009	285.634	TRUE	7.91E-58
FVC	POLDIP2	rs112296497	T	G	-0.158	0.026	0.030	7.81E-10	-0.007	0.007	0.279	0.001	37.805	TRUE	1.84E-08
FVC	POLDIP2	rs112693382	T	C	0.416	0.060	0.013	3.78E-12	0.002	0.011	0.883	0.002	48.230	TRUE	3.06E-11
FVC	POLDIP2	rs114964589	C	A	0.213	0.026	0.027	2.37E-16	-0.005	0.009	0.587	0.002	67.262	TRUE	9.59E-15
FVC	POLDIP2	rs117451491	C	T	0.284	0.045	0.013	3.84E-10	0.001	0.011	0.945	0.001	39.188	TRUE	1.89E-09

FVC	POLDIP2	rs12452097	A	C	-0.089	0.016	0.067	2.37E-08	0.009	0.005	0.054	0.001	31.161	TRUE	1.21E-06
FVC	POLDIP2	rs12602762	A	G	0.073	0.011	0.153	3.47E-11	0.009	0.003	0.005	0.001	43.888	TRUE	2.10E-08
FVC	POLDIP2	rs142177824	A	G	0.303	0.027	0.029	2.56E-29	0.013	0.007	0.049	0.004	126.357	TRUE	8.71E-25
FVC	POLDIP2	rs145923966	A	G	0.389	0.014	0.094	2.12E-161	0.010	0.004	0.026	0.023	732.840	TRUE	8.04E-142
FVC	POLDIP2	rs35648626	C	A	-0.105	0.019	0.049	1.75E-08	-0.006	0.005	0.278	0.001	31.754	TRUE	2.94E-07
FVC	POLDIP2	rs3764866	G	A	-0.072	0.008	0.448	1.66E-19	-0.004	0.002	0.124	0.003	81.608	TRUE	1.29E-16
FVC	POLDIP2	rs4795467	T	C	0.104	0.010	0.173	4.21E-23	0.005	0.003	0.091	0.003	97.981	TRUE	1.23E-19
FVC	POLDIP2	rs4796190	C	T	-0.047	0.008	0.344	2.39E-08	-0.010	0.002	3.20E-05	0.001	31.146	TRUE	2.32E-05
FVC	POLDIP2	rs62065049	T	C	0.087	0.010	0.184	2.90E-17	0.002	0.003	0.584	0.002	71.408	TRUE	1.48E-15
FVC	POLDIP2	rs72843969	G	A	-0.113	0.017	0.062	4.80E-11	-0.004	0.006	0.492	0.001	43.254	TRUE	7.96E-10
FVC	POLDIP2	rs9890678	T	C	0.154	0.022	0.038	1.77E-12	0.016	0.006	0.015	0.002	49.719	TRUE	8.81E-10
FVC	PPT2	rs115461385	T	C	-0.247	0.043	0.057	1.10E-08	0.008	0.005	0.147	0.001	32.646	TRUE	3.26E-07
FVC	PPT2	rs116180956	A	G	-0.180	0.032	0.126	1.65E-08	0.000	0.004	0.966	0.001	31.864	TRUE	5.97E-08
FVC	PPT2	rs12153855	C	T	0.221	0.025	0.104	1.08E-18	0.002	0.004	0.526	0.002	77.908	TRUE	8.66E-17
FVC	PPT2	rs440160	C	G	-0.505	0.057	0.030	3.94E-19	0.001	0.005	0.835	0.003	79.893	TRUE	1.31E-17
FVC	PPT2	rs553108	A	G	0.170	0.016	0.378	4.03E-27	0.011	0.002	1.86E-06	0.004	116.317	TRUE	9.03E-20
FVC	PPT2	rs693906	C	G	0.150	0.022	0.137	1.74E-11	-0.016	0.003	1.13E-06	0.001	45.245	TRUE	2.68E-07
FVC	PRELID1	rs11541335	A	G	-1.038	0.074	0.017	1.39E-44	0.023	0.008	0.003	0.006	196.217	TRUE	1.07E-36
FVC	PRELID1	rs12514939	C	A	-0.224	0.021	0.210	1.81E-25	0.001	0.003	0.712	0.003	108.783	TRUE	3.04E-23
FVC	PRELID1	rs142860121	A	G	-0.703	0.057	0.024	9.52E-35	0.015	0.007	0.039	0.005	151.182	TRUE	1.92E-29
FVC	PRELID1	rs143511730	A	C	-0.400	0.054	0.037	1.85E-13	0.010	0.007	0.131	0.002	54.157	TRUE	2.53E-11
FVC	PRELID1	rs17077789	G	A	-0.886	0.065	0.018	2.84E-42	-0.012	0.009	0.198	0.006	185.629	TRUE	2.96E-37
FVC	PRELID1	rs2306764	T	C	-0.443	0.050	0.034	8.78E-19	0.010	0.009	0.252	0.002	78.310	TRUE	2.33E-16
FVC	PRELID1	rs2731673	T	C	-0.290	0.020	0.280	1.97E-48	0.007	0.003	0.015	0.007	213.855	TRUE	6.14E-41
FVC	PRELID1	rs2962780	C	T	-0.274	0.043	0.047	1.34E-10	0.003	0.006	0.578	0.001	41.247	TRUE	1.67E-09
FVC	PRELID1	rs376618	C	T	0.293	0.020	0.238	7.36E-47	0.001	0.003	0.772	0.006	206.645	TRUE	5.67E-43
FVC	PRELID1	rs478253	T	C	0.113	0.020	0.343	1.59E-08	-0.002	0.003	0.490	0.001	31.938	TRUE	1.48E-07
FVC	PRELID1	rs58674294	T	C	-0.356	0.041	0.049	2.18E-18	-0.001	0.006	0.873	0.002	76.516	TRUE	5.57E-17
FVC	PRELID1	rs72813185	A	C	0.205	0.021	0.228	1.49E-22	-0.003	0.003	0.240	0.003	95.483	TRUE	1.07E-19
FVC	PRELID1	rs7707346	G	C	-0.872	0.020	0.194	0.00E+00	0.008	0.003	0.013	0.059	1997.694	TRUE	0.00E+00
FVC	PRELID1	rs79590982	G	T	0.366	0.048	0.040	3.49E-14	0.007	0.006	0.292	0.002	57.432	TRUE	2.40E-12
FVC	PRELID1	rs79989845	A	G	0.246	0.041	0.058	2.77E-09	-0.002	0.005	0.666	0.001	35.334	TRUE	2.09E-08
FVC	PRELID1	rs9313754	G	C	0.372	0.024	0.162	5.92E-53	-0.002	0.003	0.590	0.007	234.585	TRUE	3.91E-48
FVC	PTEN	rs2785080	G	C	0.115	0.017	0.234	4.39E-11	0.007	0.003	0.012	0.001	43.431	TRUE	1.51E-08
FVC	PTEN	rs4933470	A	C	-0.093	0.015	0.358	1.65E-09	-0.003	0.003	0.262	0.001	36.349	TRUE	3.82E-08
FVC	PTEN	rs6586116	T	C	-0.106	0.016	0.297	5.05E-11	-0.001	0.003	0.618	0.001	43.155	TRUE	6.15E-10
FVC	RAB34	rs113000401	T	C	-0.197	0.020	0.043	3.78E-23	-0.009	0.006	0.094	0.003	98.194	TRUE	1.13E-19
FVC	RAB34	rs117093251	T	C	-0.281	0.029	0.023	8.91E-22	0.022	0.008	0.005	0.003	91.939	TRUE	2.47E-17
FVC	RAB34	rs12451081	A	G	0.104	0.014	0.102	2.07E-13	0.012	0.004	7.51E-04	0.002	53.930	TRUE	7.43E-10
FVC	RAB34	rs12602520	C	A	-0.345	0.013	0.095	4.79E-146	0.012	0.004	0.005	0.020	662.227	TRUE	1.92E-126
FVC	RAB34	rs140584256	C	T	-0.170	0.019	0.049	8.77E-19	-0.012	0.006	0.032	0.002	78.314	TRUE	2.18E-15
FVC	RAB34	rs143070091	T	C	-0.305	0.043	0.019	2.12E-12	0.005	0.009	0.569	0.002	49.370	TRUE	3.93E-11

FVC	RAB34	rs144196008	A	G	-0.143	0.022	0.034	8.58E-11	-0.003	0.006	0.649	0.001	42.117	TRUE	9.30E-10
FVC	RAB34	rs145332521	C	T	0.213	0.036	0.016	4.04E-09	0.010	0.009	0.285	0.001	34.603	TRUE	7.77E-08
FVC	RAB34	rs150156114	T	C	-0.114	0.016	0.076	6.78E-13	-0.005	0.004	0.241	0.002	51.604	TRUE	4.23E-11
FVC	RAB34	rs181760761	C	A	0.197	0.035	0.017	2.01E-08	0.018	0.009	0.053	0.001	31.486	TRUE	1.06E-06
FVC	RAB34	rs2070139	A	G	0.103	0.011	0.160	1.22E-19	0.003	0.003	0.393	0.003	82.205	TRUE	1.95E-17
FVC	RAB34	rs2320589	T	C	0.132	0.008	0.502	4.70E-61	0.001	0.002	0.600	0.009	271.738	TRUE	1.42E-55
FVC	RAB34	rs241777	T	C	-0.044	0.008	0.488	4.43E-08	0.001	0.002	0.844	0.001	29.947	TRUE	1.91E-07
FVC	RAB34	rs2531891	T	C	0.050	0.008	0.339	2.84E-09	-0.001	0.002	0.797	0.001	35.291	TRUE	1.61E-08
FVC	RAB34	rs35295086	T	C	-0.066	0.012	0.132	2.91E-08	0.005	0.004	0.217	0.001	30.765	TRUE	5.59E-07
FVC	RAB34	rs35973458	T	C	0.059	0.008	0.395	4.76E-13	-0.010	0.002	5.24E-05	0.002	52.298	TRUE	4.50E-09
FVC	RAB34	rs4794849	C	T	-0.062	0.008	0.448	1.46E-14	-0.004	0.002	0.134	0.002	59.142	TRUE	2.46E-12
FVC	RAB34	rs4795461	C	T	-0.222	0.012	0.124	2.33E-76	-0.013	0.004	2.31E-04	0.011	341.993	TRUE	3.20E-63
FVC	RAB34	rs55869091	T	C	-0.131	0.020	0.044	5.68E-11	-0.010	0.006	0.076	0.001	42.923	TRUE	5.58E-09
FVC	RAB34	rs570499	C	T	0.074	0.010	0.269	9.76E-15	-0.003	0.003	0.303	0.002	59.941	TRUE	7.56E-13
FVC	RAB34	rs62065288	C	T	0.072	0.011	0.158	1.45E-10	-0.001	0.003	0.685	0.001	41.088	TRUE	1.36E-09
FVC	RAB34	rs78138983	G	A	0.483	0.047	0.017	8.13E-25	0.000	0.010	0.999	0.003	105.799	TRUE	4.35E-23
FVC	RAB34	rs9889399	T	C	0.097	0.008	0.391	1.18E-32	0.008	0.002	0.001	0.004	141.606	TRUE	3.80E-26
FVC	RASIP1	rs1231281	A	G	0.081	0.008	0.439	4.43E-24	0.005	0.002	0.028	0.003	102.440	TRUE	6.43E-20
FVC	RHEB	rs2284264	C	T	0.106	0.012	0.509	2.52E-19	0.007	0.002	0.005	0.003	80.779	TRUE	2.72E-15
FVC	RHOT1	rs1039402	T	C	-0.068	0.012	0.129	9.24E-09	-0.002	0.003	0.596	0.001	32.994	TRUE	7.25E-08
FVC	RHOT1	rs112029880	A	G	-0.091	0.010	0.202	4.15E-19	0.002	0.003	0.507	0.003	79.791	TRUE	4.17E-17
FVC	RHOT1	rs11650026	A	C	0.174	0.017	0.075	3.77E-24	0.001	0.004	0.889	0.003	102.760	TRUE	2.58E-22
FVC	RHOT1	rs11654800	T	C	0.111	0.008	0.425	1.43E-40	0.002	0.003	0.346	0.006	177.842	TRUE	2.87E-36
FVC	RHOT1	rs118105946	G	A	0.146	0.020	0.048	3.02E-13	0.001	0.005	0.847	0.002	53.193	TRUE	3.30E-12
FVC	RHOT1	rs12944565	A	G	-0.166	0.009	0.312	8.68E-85	0.002	0.003	0.345	0.012	380.696	TRUE	2.77E-76
FVC	RHOT1	rs141988744	C	T	-0.311	0.049	0.017	3.01E-10	0.000	0.013	0.979	0.001	39.668	TRUE	1.40E-09
FVC	RHOT1	rs144382041	A	G	-0.384	0.039	0.016	1.95E-23	0.002	0.011	0.837	0.003	99.510	TRUE	1.42E-21
FVC	RHOT1	rs147933234	T	C	-0.325	0.027	0.027	1.49E-32	0.010	0.008	0.192	0.004	141.149	TRUE	1.69E-28
FVC	RHOT1	rs147960200	T	C	0.202	0.032	0.018	2.40E-10	-0.008	0.008	0.326	0.001	40.104	TRUE	5.64E-09
FVC	RHOT1	rs149254344	G	C	-0.162	0.024	0.037	1.06E-11	-0.001	0.006	0.924	0.001	46.205	TRUE	7.34E-11
FVC	RHOT1	rs167298	A	G	-0.112	0.009	0.440	3.45E-38	-0.001	0.002	0.581	0.005	166.926	TRUE	1.17E-34
FVC	RHOT1	rs2905171	C	T	0.053	0.009	0.281	3.33E-09	0.006	0.003	0.021	0.001	34.980	TRUE	4.27E-07
FVC	RHOT1	rs425309	T	C	-0.102	0.019	0.052	3.91E-08	0.001	0.005	0.898	0.001	30.193	TRUE	1.51E-07
FVC	RHOT1	rs450735	T	C	-0.059	0.009	0.254	1.15E-10	0.001	0.003	0.775	0.001	41.551	TRUE	9.00E-10
FVC	RHOT1	rs4795702	G	A	-0.070	0.009	0.269	1.13E-14	0.001	0.003	0.731	0.002	59.653	TRUE	2.10E-13
FVC	RHOT1	rs55861514	T	C	-0.133	0.022	0.035	3.00E-09	0.002	0.006	0.741	0.001	35.181	TRUE	1.90E-08
FVC	RHOT1	rs62062229	C	T	0.070	0.009	0.256	3.46E-14	0.003	0.003	0.315	0.002	57.453	TRUE	2.17E-12
FVC	RHOT1	rs62062440	C	T	0.186	0.014	0.116	3.62E-41	-0.002	0.004	0.657	0.006	180.569	TRUE	1.66E-37
FVC	RHOT1	rs6505264	A	G	-0.442	0.037	0.017	2.01E-33	0.009	0.009	0.322	0.005	145.121	TRUE	1.05E-29
FVC	RHOT1	rs72825779	C	T	0.180	0.024	0.035	2.24E-14	0.014	0.006	0.012	0.002	58.308	TRUE	2.58E-11
FVC	RHOT1	rs739799	T	C	-0.418	0.042	0.016	6.13E-23	0.018	0.009	0.063	0.003	97.237	TRUE	2.71E-19
FVC	RHOT1	rs79573699	T	C	-0.209	0.023	0.034	1.37E-19	-0.008	0.008	0.364	0.003	81.984	TRUE	2.51E-17

FVC	RHOT1	rs9902817	T	C	0.078	0.013	0.099	4.49E-09	0.002	0.004	0.620	0.001	34.396	TRUE	3.61E-08
FVC	RHOT1	rs9909295	C	T	-0.390	0.010	0.173	0.00E+00	0.009	0.003	0.003	0.044	1442.611	TRUE	1.13E-275
FVC	RPS27L	rs113010023	A	G	-0.417	0.074	0.019	2.08E-08	0.011	0.013	0.383	0.001	31.416	TRUE	2.49E-07
FVC	RPS27L	rs12899931	C	T	-0.158	0.013	0.107	9.64E-35	0.009	0.004	0.033	0.005	151.158	TRUE	2.30E-29
FVC	RPS27L	rs4984265	A	G	-0.062	0.010	0.210	3.10E-10	0.003	0.003	0.245	0.001	39.609	TRUE	8.93E-09
FVC	RPS6KB1	rs112911630	A	G	-0.146	0.013	0.143	1.55E-31	0.005	0.003	0.110	0.004	136.488	TRUE	3.22E-27
FVC	RPS6KB1	rs1292060	G	A	0.101	0.009	0.317	2.60E-32	-0.012	0.003	6.89E-06	0.004	140.039	TRUE	2.32E-24
FVC	RPS6KB1	rs8079003	G	C	0.083	0.014	0.098	1.15E-09	-0.006	0.004	0.106	0.001	37.045	TRUE	5.92E-08
FVC	RRAGD	rs1055403	A	G	0.121	0.011	0.158	8.47E-29	-0.001	0.003	0.692	0.004	123.981	TRUE	2.94E-26
FVC	RRAGD	rs10944439	A	T	0.052	0.008	0.376	1.50E-10	-0.002	0.002	0.395	0.001	41.024	TRUE	3.08E-09
FVC	RRAGD	rs112239906	A	G	0.252	0.025	0.028	7.18E-24	0.002	0.007	0.781	0.003	101.484	TRUE	6.83E-22
FVC	RRAGD	rs113458269	A	G	0.342	0.025	0.028	5.56E-43	-0.014	0.008	0.073	0.006	188.874	TRUE	4.04E-37
FVC	RRAGD	rs116977633	G	A	0.127	0.021	0.042	9.63E-10	0.009	0.006	0.105	0.001	37.396	TRUE	5.27E-08
FVC	RRAGD	rs117173006	C	T	-0.102	0.018	0.054	2.43E-08	0.002	0.005	0.720	0.001	31.117	TRUE	1.36E-07
FVC	RRAGD	rs117194085	G	A	0.341	0.050	0.039	1.23E-11	-0.013	0.027	0.630	0.001	45.925	TRUE	1.65E-10
FVC	RRAGD	rs117199467	G	A	-0.337	0.038	0.016	2.60E-19	-0.006	0.010	0.517	0.003	80.714	TRUE	2.47E-17
FVC	RRAGD	rs117243822	C	T	0.266	0.038	0.014	2.32E-12	-0.004	0.010	0.666	0.002	49.193	TRUE	3.29E-11
FVC	RRAGD	rs11752357	T	C	-0.092	0.008	0.323	2.84E-27	0.002	0.003	0.338	0.004	117.013	TRUE	3.44E-24
FVC	RRAGD	rs11759650	T	C	0.097	0.009	0.297	3.46E-29	-0.002	0.003	0.460	0.004	125.759	TRUE	3.62E-26
FVC	RRAGD	rs118045883	G	A	-0.251	0.038	0.016	4.97E-11	0.014	0.010	0.169	0.001	43.186	TRUE	2.66E-09
FVC	RRAGD	rs1209055	T	C	0.208	0.011	0.168	1.21E-86	-0.003	0.003	0.440	0.012	389.218	TRUE	2.05E-78
FVC	RRAGD	rs1217337	C	A	-0.072	0.011	0.164	2.65E-11	-0.006	0.003	0.066	0.001	44.414	TRUE	3.23E-09
FVC	RRAGD	rs12198870	T	C	0.121	0.015	0.076	7.49E-16	-0.001	0.004	0.757	0.002	64.995	TRUE	1.62E-14
FVC	RRAGD	rs12206737	G	A	-0.048	0.008	0.391	6.07E-09	-0.002	0.002	0.485	0.001	33.810	TRUE	6.51E-08
FVC	RRAGD	rs12210841	A	G	0.428	0.033	0.017	7.60E-39	-0.006	0.010	0.577	0.005	169.938	TRUE	3.14E-35
FVC	RRAGD	rs12661122	A	G	-0.143	0.009	0.294	5.16E-61	0.004	0.003	0.124	0.008	271.553	TRUE	1.25E-53
FVC	RRAGD	rs13209146	A	G	-0.404	0.010	0.181	0.00E+00	0.001	0.003	0.705	0.048	1602.309	TRUE	0.00E+00
FVC	RRAGD	rs140777868	T	C	0.425	0.029	0.021	1.66E-47	-0.008	0.008	0.317	0.007	209.604	TRUE	2.02E-42
FVC	RRAGD	rs140933375	G	A	0.212	0.037	0.015	7.07E-09	-0.009	0.008	0.261	0.001	33.513	TRUE	1.38E-07
FVC	RRAGD	rs142849372	A	G	0.124	0.022	0.038	1.44E-08	-0.012	0.007	0.122	0.001	32.133	TRUE	4.79E-07
FVC	RRAGD	rs145877894	T	G	0.458	0.028	0.022	2.77E-58	-0.002	0.008	0.845	0.008	259.033	TRUE	1.20E-53
FVC	RRAGD	rs149610194	A	G	-0.346	0.029	0.021	3.53E-32	0.026	0.011	0.015	0.004	139.430	TRUE	1.03E-26
FVC	RRAGD	rs149830477	G	T	0.076	0.011	0.146	1.60E-11	0.006	0.003	0.075	0.001	45.403	TRUE	1.97E-09
FVC	RRAGD	rs16881113	A	C	0.116	0.015	0.075	1.06E-14	-0.003	0.005	0.514	0.002	59.786	TRUE	3.70E-13
FVC	RRAGD	rs16881774	C	T	-0.199	0.010	0.194	4.46E-88	0.005	0.003	0.110	0.012	395.804	TRUE	8.35E-78
FVC	RRAGD	rs16882205	T	C	-0.153	0.021	0.040	1.93E-13	0.003	0.006	0.541	0.002	54.075	TRUE	4.78E-12
FVC	RRAGD	rs17741627	A	G	-0.196	0.013	0.100	1.00E-48	0.002	0.004	0.614	0.007	215.200	TRUE	2.51E-44
FVC	RRAGD	rs186683559	T	C	0.154	0.024	0.032	1.52E-10	-0.007	0.007	0.273	0.001	40.996	TRUE	4.43E-09
FVC	RRAGD	rs1923418	C	A	0.053	0.009	0.508	6.18E-10	0.007	0.002	0.005	0.001	38.262	TRUE	2.03E-07
FVC	RRAGD	rs1998576	A	G	0.421	0.010	0.191	0.00E+00	-0.006	0.003	0.047	0.055	1837.776	TRUE	0.00E+00
FVC	RRAGD	rs2038338	A	G	-0.206	0.008	0.344	2.23E-136	-0.001	0.003	0.826	0.019	617.781	TRUE	3.82E-125
FVC	RRAGD	rs2150816	G	A	-0.116	0.009	0.285	6.24E-40	0.002	0.003	0.473	0.005	174.906	TRUE	5.23E-36

FVC	RRAGD	rs2273507	G	C	-0.130	0.010	0.194	1.10E-38	0.000	0.003	0.908	0.005	169.204	TRUE	1.02E-35
FVC	RRAGD	rs2304895	T	C	0.083	0.012	0.115	2.54E-11	0.005	0.003	0.145	0.001	44.497	TRUE	1.65E-09
FVC	RRAGD	rs2325181	C	T	-0.124	0.010	0.209	2.61E-37	0.001	0.003	0.716	0.005	162.903	TRUE	4.03E-34
FVC	RRAGD	rs3777518	A	G	0.119	0.008	0.352	1.10E-46	-0.006	0.003	0.010	0.006	205.848	TRUE	3.19E-39
FVC	RRAGD	rs3798789	A	G	0.120	0.013	0.108	6.44E-20	-0.002	0.004	0.548	0.003	83.473	TRUE	6.23E-18
FVC	RRAGD	rs4593337	A	G	0.269	0.012	0.136	3.00E-119	-0.005	0.004	0.147	0.017	539.041	TRUE	2.65E-106
FVC	RRAGD	rs4706338	G	A	-0.111	0.009	0.337	2.07E-38	0.000	0.003	0.992	0.005	167.941	TRUE	1.18E-35
FVC	RRAGD	rs55809194	G	A	-0.204	0.018	0.055	1.14E-28	0.004	0.005	0.402	0.004	123.398	TRUE	1.31E-25
FVC	RRAGD	rs62415374	T	C	-0.165	0.028	0.022	2.26E-09	-0.002	0.008	0.799	0.001	35.729	TRUE	1.31E-08
FVC	RRAGD	rs68109049	T	C	-0.068	0.008	0.446	2.26E-17	-0.002	0.002	0.488	0.002	71.902	TRUE	1.62E-15
FVC	RRAGD	rs6939202	G	A	-0.080	0.012	0.128	2.19E-11	0.006	0.004	0.080	0.001	44.793	TRUE	2.34E-09
FVC	RRAGD	rs72913764	C	T	-0.253	0.022	0.036	5.79E-30	-0.003	0.006	0.643	0.004	129.305	TRUE	3.03E-27
FVC	RRAGD	rs75386964	G	A	-0.200	0.031	0.019	6.52E-11	0.002	0.009	0.799	0.001	42.654	TRUE	5.12E-10
FVC	RRAGD	rs77269634	A	C	0.351	0.035	0.017	3.33E-23	0.003	0.010	0.784	0.003	98.448	TRUE	2.75E-21
FVC	RRAGD	rs78329749	A	G	-0.174	0.023	0.034	1.10E-13	0.001	0.007	0.939	0.002	55.175	TRUE	1.02E-12
FVC	RRAGD	rs79206956	A	G	0.303	0.034	0.018	1.41E-19	-0.014	0.008	0.073	0.003	81.919	TRUE	2.02E-16
FVC	RRAGD	rs854863	A	T	-0.110	0.009	0.244	1.69E-32	0.004	0.003	0.104	0.004	140.893	TRUE	5.36E-28
FVC	RRAGD	rs854908	A	C	-0.138	0.018	0.057	7.36E-15	-0.003	0.005	0.554	0.002	60.497	TRUE	2.34E-13
FVC	RRAGD	rs854918	C	G	0.283	0.009	0.261	8.81E-222	-0.006	0.003	0.022	0.031	1010.562	TRUE	2.28E-195
FVC	RRAGD	rs854923	A	G	0.319	0.015	0.080	1.34E-101	-0.005	0.004	0.265	0.014	457.922	TRUE	3.77E-91
FVC	RRAGD	rs9342188	C	T	0.092	0.015	0.084	6.56E-10	-0.003	0.004	0.509	0.001	38.145	TRUE	8.14E-09
FVC	RRAGD	rs9344921	G	A	-0.166	0.008	0.358	2.15E-90	-0.001	0.002	0.821	0.013	406.448	TRUE	4.53E-83
FVC	RRAGD	rs9451248	T	C	0.150	0.020	0.043	3.10E-14	-0.004	0.007	0.559	0.002	57.665	TRUE	8.65E-13
FVC	RRAGD	rs9451249	C	T	-0.071	0.010	0.181	5.51E-12	0.007	0.003	0.018	0.001	47.494	TRUE	1.90E-09
FVC	SCFD1	rs117331306	T	A	-0.138	0.025	0.031	4.47E-08	0.005	0.006	0.448	0.001	29.932	TRUE	4.19E-07
FVC	SCFD1	rs117513489	C	T	0.126	0.022	0.039	1.42E-08	-0.008	0.006	0.190	0.001	32.156	TRUE	3.32E-07
FVC	SCFD1	rs12893919	G	T	-0.188	0.015	0.081	5.46E-37	0.000	0.004	0.941	0.005	161.438	TRUE	3.09E-34
FVC	SCFD1	rs143391558	G	A	-0.346	0.041	0.018	1.90E-17	-0.006	0.009	0.473	0.002	72.246	TRUE	1.41E-15
FVC	SCFD1	rs143734676	A	G	-0.278	0.027	0.026	2.11E-24	0.009	0.007	0.208	0.003	103.911	TRUE	2.92E-21
FVC	SCFD1	rs147578503	A	G	-0.161	0.026	0.026	5.93E-10	0.010	0.008	0.200	0.001	38.344	TRUE	2.01E-08
FVC	SCFD1	rs147645477	C	G	-0.231	0.023	0.033	3.79E-24	0.001	0.006	0.882	0.003	102.752	TRUE	2.64E-22
FVC	SCFD1	rs149936895	T	C	-0.229	0.020	0.044	2.11E-30	0.003	0.006	0.588	0.004	131.305	TRUE	1.51E-27
FVC	SCFD1	rs17091497	C	T	0.146	0.016	0.067	4.45E-20	-0.003	0.005	0.517	0.003	84.205	TRUE	4.96E-18
FVC	SCFD1	rs17096870	C	T	-0.225	0.023	0.032	1.88E-22	0.001	0.006	0.839	0.003	95.021	TRUE	1.11E-20
FVC	SCFD1	rs179525	C	T	-0.084	0.008	0.479	1.08E-24	-0.003	0.002	0.297	0.003	105.236	TRUE	9.05E-22
FVC	SCFD1	rs2273408	G	A	-0.322	0.035	0.016	1.55E-20	-0.006	0.010	0.531	0.003	86.284	TRUE	1.84E-18
FVC	SCFD1	rs229176	C	T	-0.309	0.008	0.341	0.00E+00	0.005	0.003	0.041	0.043	1418.850	TRUE	4.00E-275
FVC	SCFD1	rs229261	G	A	0.156	0.010	0.185	2.25E-50	-0.005	0.003	0.115	0.007	222.759	TRUE	4.76E-44
FVC	SCFD1	rs424964	A	G	0.068	0.008	0.433	2.42E-17	0.000	0.002	0.898	0.002	71.767	TRUE	4.75E-16
FVC	SCFD1	rs55826203	G	A	0.129	0.023	0.033	2.83E-08	-0.014	0.008	0.076	0.001	30.821	TRUE	1.16E-06
FVC	SCFD1	rs59663807	A	G	-0.192	0.017	0.061	7.59E-31	0.006	0.006	0.349	0.004	133.339	TRUE	1.89E-27
FVC	SCFD1	rs61976694	C	T	-0.301	0.043	0.013	1.35E-12	0.002	0.011	0.862	0.002	50.256	TRUE	1.24E-11

FVC	SCFD1	rs72666418	G	A	0.130	0.013	0.118	7.83E-25	-0.002	0.004	0.510	0.003	105.874	TRUE	2.45E-22
FVC	SCFD1	rs72666433	G	T	0.124	0.016	0.081	1.38E-15	0.000	0.004	0.926	0.002	63.797	TRUE	1.85E-14
FVC	SCFD1	rs77274739	C	G	-0.150	0.019	0.050	7.01E-16	0.007	0.006	0.219	0.002	65.127	TRUE	1.04E-13
FVC	SCFD1	rs79044385	G	T	0.140	0.023	0.038	7.51E-10	0.009	0.006	0.095	0.001	37.882	TRUE	4.41E-08
FVC	SENP1	rs12311774	A	C	-0.151	0.011	0.189	2.91E-42	-0.011	0.003	2.02E-04	0.006	185.585	TRUE	1.27E-33
FVC	SENP1	rs4579969	G	A	0.056	0.009	0.397	4.88E-10	-0.001	0.002	0.595	0.001	38.721	TRUE	5.16E-09
FVC	SENP1	rs4760683	C	T	0.068	0.011	0.181	1.50E-09	0.007	0.003	0.032	0.001	36.535	TRUE	1.68E-07
FVC	SESN3	rs10831284	G	A	0.069	0.011	0.141	1.85E-09	-0.009	0.004	0.014	0.001	36.120	TRUE	3.08E-07
FVC	SESN3	rs111408022	T	G	0.185	0.030	0.023	4.03E-10	0.001	0.008	0.901	0.001	39.095	TRUE	2.16E-09
FVC	SESN3	rs113331984	A	G	0.476	0.039	0.014	6.20E-35	0.005	0.011	0.658	0.005	152.034	TRUE	8.00E-32
FVC	SESN3	rs117799224	G	A	-0.243	0.044	0.012	4.36E-08	0.011	0.012	0.373	0.001	29.980	TRUE	4.94E-07
FVC	SESN3	rs12361129	A	C	-0.131	0.022	0.037	5.11E-09	0.000	0.006	0.960	0.001	34.143	TRUE	2.03E-08
FVC	SESN3	rs12365296	T	G	-0.136	0.012	0.135	2.28E-31	-0.004	0.004	0.237	0.004	135.727	TRUE	1.30E-27
FVC	SESN3	rs12574604	A	G	0.136	0.010	0.205	1.83E-43	-0.004	0.003	0.203	0.006	191.092	TRUE	2.42E-38
FVC	SESN3	rs12788593	T	C	0.216	0.026	0.027	1.31E-16	-0.008	0.007	0.248	0.002	68.432	TRUE	2.03E-14
FVC	SESN3	rs141179605	A	G	0.242	0.041	0.015	2.50E-09	-0.005	0.011	0.675	0.001	35.534	TRUE	1.86E-08
FVC	SESN3	rs143649045	G	T	0.256	0.032	0.018	1.08E-15	0.003	0.009	0.781	0.002	64.281	TRUE	2.18E-14
FVC	SESN3	rs17620943	C	A	0.208	0.026	0.027	1.10E-15	0.002	0.008	0.763	0.002	64.242	TRUE	2.31E-14
FVC	SESN3	rs188422431	A	C	0.274	0.024	0.031	1.30E-29	-0.001	0.008	0.944	0.004	127.695	TRUE	1.94E-27
FVC	SESN3	rs2155239	C	A	0.107	0.016	0.073	6.71E-11	0.000	0.005	0.991	0.001	42.599	TRUE	3.49E-10
FVC	SESN3	rs2266126	G	A	0.054	0.010	0.305	4.92E-08	-0.007	0.003	0.016	0.001	29.744	TRUE	4.41E-06
FVC	SESN3	rs2850626	T	C	-0.072	0.008	0.447	2.99E-19	0.003	0.002	0.195	0.003	80.441	TRUE	1.23E-16
FVC	SESN3	rs35321531	T	C	0.185	0.026	0.029	1.57E-12	-0.004	0.007	0.566	0.002	49.951	TRUE	3.04E-11
FVC	SESN3	rs3740860	G	T	-0.295	0.015	0.079	1.45E-81	0.003	0.004	0.401	0.011	365.894	TRUE	1.21E-73
FVC	SESN3	rs4409785	C	T	-0.176	0.011	0.169	5.37E-62	0.002	0.003	0.584	0.009	276.061	TRUE	2.19E-56
FVC	SESN3	rs496321	T	C	-0.193	0.008	0.403	2.92E-127	0.001	0.002	0.568	0.018	575.868	TRUE	8.77E-116
FVC	SESN3	rs529936	G	A	-0.064	0.009	0.298	2.03E-13	-0.006	0.003	0.023	0.002	53.972	TRUE	1.16E-10
FVC	SESN3	rs541814	A	T	-0.048	0.008	0.380	3.51E-09	-0.003	0.002	0.175	0.001	34.876	TRUE	1.09E-07
FVC	SESN3	rs631472	T	C	-0.134	0.020	0.044	1.63E-11	0.002	0.006	0.719	0.001	45.363	TRUE	1.73E-10
FVC	SESN3	rs652515	G	C	-0.069	0.008	0.324	4.42E-16	0.002	0.003	0.486	0.002	66.038	TRUE	2.25E-14
FVC	SESN3	rs684856	A	G	-0.335	0.008	0.426	0.00E+00	-0.006	0.002	0.015	0.055	1839.277	TRUE	0.00E+00
FVC	SESN3	rs7105821	G	C	-0.219	0.018	0.065	1.83E-33	0.000	0.005	0.947	0.005	145.304	TRUE	5.31E-31
FVC	SESN3	rs72981740	A	G	-0.120	0.021	0.039	7.53E-09	0.012	0.007	0.088	0.001	33.390	TRUE	3.48E-07
FVC	SESN3	rs74797830	A	G	-0.220	0.036	0.016	1.14E-09	0.002	0.009	0.799	0.001	37.061	TRUE	7.09E-09
FVC	SESN3	rs75237982	T	C	0.086	0.011	0.151	7.97E-15	0.001	0.003	0.781	0.002	60.338	TRUE	1.38E-13
FVC	SESN3	rs76999758	G	A	0.110	0.012	0.139	1.43E-21	-0.004	0.003	0.190	0.003	91.006	TRUE	1.09E-18
FVC	SESN3	rs79010674	C	T	-0.203	0.018	0.054	2.33E-29	-0.002	0.005	0.717	0.004	126.546	TRUE	7.71E-27
FVC	SESN3	rs79687070	G	T	-0.117	0.021	0.046	4.37E-08	0.008	0.005	0.091	0.001	29.978	TRUE	1.46E-06
FVC	SESN3	rs80136724	T	C	0.211	0.033	0.019	9.80E-11	-0.001	0.009	0.884	0.001	41.858	TRUE	6.19E-10
FVC	SESN3	rs9667013	C	T	-0.129	0.015	0.078	4.78E-18	0.001	0.005	0.818	0.002	74.966	TRUE	1.38E-16
FVC	SHARPIN	rs12545876	A	G	0.160	0.026	0.041	1.11E-09	-0.003	0.005	0.549	0.001	37.125	TRUE	1.18E-08
FVC	SHARPIN	rs144290510	A	G	0.375	0.049	0.016	1.94E-14	0.007	0.010	0.485	0.002	58.586	TRUE	7.13E-13

FVC	SHARPIN	rs60394484	A	C	-0.265	0.026	0.046	2.02E-24	0.033	0.006	2.59E-09	0.003	104.001	TRUE	2.29E-16
FVC	SHARPIN	rs62530378	C	T	0.088	0.015	0.128	2.77E-09	0.013	0.004	1.98E-04	0.001	35.336	TRUE	2.61E-06
FVC	SHARPIN	rs7010588	T	C	-0.092	0.016	0.128	5.53E-09	-0.010	0.004	0.006	0.001	33.991	TRUE	1.08E-06
FVC	SHARPIN	rs72693390	T	C	-0.067	0.011	0.298	5.64E-09	0.009	0.003	9.27E-04	0.001	33.954	TRUE	2.66E-06
FVC	SHARPIN	rs74795902	G	A	0.329	0.035	0.026	4.78E-21	0.003	0.009	0.719	0.003	88.618	TRUE	3.22E-19
FVC	SHARPIN	rs7822232	C	A	0.416	0.016	0.076	7.09E-149	0.011	0.004	0.012	0.021	675.240	TRUE	8.05E-130
FVC	SHARPIN	rs7843457	T	C	-0.068	0.011	0.187	2.36E-10	-0.004	0.003	0.167	0.001	40.143	TRUE	1.02E-08
FVC	SLC39A1	rs116651633	G	A	-0.152	0.024	0.036	3.27E-10	0.010	0.009	0.247	0.001	39.504	TRUE	9.81E-09
FVC	SLC39A1	rs116689813	G	T	0.286	0.035	0.017	1.94E-16	-0.001	0.009	0.910	0.002	67.660	TRUE	3.13E-15
FVC	SLC39A1	rs16835630	C	T	0.243	0.040	0.015	9.05E-10	0.002	0.009	0.794	0.001	37.518	TRUE	5.79E-09
FVC	SLC39A1	rs17364880	T	C	-0.160	0.013	0.105	6.50E-35	0.006	0.004	0.161	0.005	151.940	TRUE	1.78E-30
FVC	SLC39A1	rs28654266	T	C	0.190	0.030	0.024	3.54E-10	0.003	0.007	0.713	0.001	39.351	TRUE	2.90E-09
FVC	SLC39A1	rs4103781	C	T	0.059	0.008	0.494	1.10E-13	-0.003	0.002	0.255	0.002	55.181	TRUE	7.72E-12
FVC	SLC39A1	rs41265213	T	C	-0.235	0.025	0.032	1.33E-20	0.017	0.006	0.005	0.003	86.585	TRUE	2.46E-16
FVC	SLC39A1	rs4475793	G	A	-0.097	0.010	0.190	1.62E-21	-0.007	0.003	0.025	0.003	90.754	TRUE	1.12E-17
FVC	SLC39A1	rs4845353	C	T	0.046	0.008	0.464	9.30E-09	0.005	0.002	0.047	0.001	32.980	TRUE	5.83E-07
FVC	SLC39A1	rs56065125	T	C	-0.193	0.035	0.019	4.38E-08	0.017	0.010	0.098	0.001	29.972	TRUE	1.43E-06
FVC	SLC39A1	rs6667222	C	A	-0.101	0.009	0.255	3.19E-28	0.015	0.003	8.41E-08	0.004	121.352	TRUE	6.10E-20
FVC	SLC39A1	rs6724	C	G	0.256	0.009	0.300	2.62E-196	-0.006	0.003	0.031	0.027	893.379	TRUE	3.51E-173
FVC	SLC39A1	rs72696241	A	G	-0.104	0.009	0.274	2.12E-31	0.006	0.003	0.021	0.004	135.869	TRUE	3.42E-26
FVC	SLC39A1	rs74590348	G	A	0.276	0.037	0.017	1.40E-13	-0.004	0.010	0.649	0.002	54.697	TRUE	2.69E-12
FVC	SLC39A1	rs79862066	T	C	0.217	0.035	0.018	7.67E-10	-0.002	0.008	0.822	0.001	37.840	TRUE	4.66E-09
FVC	SLC39A1	rs9426887	A	G	0.186	0.019	0.052	2.63E-23	-0.001	0.005	0.849	0.003	98.916	TRUE	1.77E-21
FVC	SLC39A14	rs4872485	T	G	-0.071	0.009	0.490	4.22E-16	0.005	0.002	0.029	0.002	66.125	TRUE	5.04E-13
FVC	SLC39A4	rs117328198	C	A	-0.415	0.020	0.068	4.72E-98	-0.015	0.005	6.39E-04	0.014	441.628	TRUE	1.01E-82
FVC	SLC39A4	rs144646549	C	T	-0.173	0.030	0.035	1.11E-08	0.005	0.006	0.450	0.001	32.629	TRUE	1.19E-07
FVC	SLC39A4	rs2280840	A	G	-0.103	0.010	0.456	9.62E-26	-0.003	0.002	0.291	0.003	110.029	TRUE	1.03E-22
FVC	SLC39A4	rs2727226	C	T	-0.099	0.014	0.101	9.05E-13	-0.003	0.004	0.392	0.002	51.037	TRUE	3.08E-11
FVC	SPAG9	rs1034922	G	C	0.077	0.014	0.094	2.25E-08	-0.004	0.004	0.342	0.001	31.264	TRUE	2.99E-07
FVC	SPAG9	rs115195819	G	A	0.177	0.026	0.024	1.15E-11	-0.004	0.007	0.519	0.001	46.044	TRUE	2.10E-10
FVC	SPAG9	rs117625589	G	A	-0.224	0.022	0.042	2.26E-24	-0.006	0.005	0.231	0.003	103.777	TRUE	2.60E-21
FVC	SPAG9	rs117932582	G	A	-0.333	0.049	0.015	1.44E-11	-0.024	0.011	0.029	0.001	45.616	TRUE	3.41E-09
FVC	SPAG9	rs12452645	A	G	-0.127	0.009	0.300	1.75E-47	-0.002	0.003	0.401	0.007	209.502	TRUE	1.22E-42
FVC	SPAG9	rs141621171	T	C	-0.265	0.038	0.028	1.80E-12	-0.017	0.009	0.054	0.002	49.691	TRUE	3.77E-10
FVC	SPAG9	rs4794194	A	G	0.086	0.009	0.297	8.02E-23	0.005	0.003	0.036	0.003	96.705	TRUE	6.28E-19
FVC	SPAG9	rs8125	T	C	0.238	0.014	0.083	1.75E-61	0.008	0.004	0.051	0.009	273.707	TRUE	2.71E-53
FVC	SPAG9	rs9897934	T	G	-0.057	0.010	0.260	1.07E-08	0.004	0.003	0.135	0.001	32.709	TRUE	3.43E-07
FVC	SPAG9	rs9909098	C	T	-0.119	0.019	0.052	4.09E-10	0.008	0.005	0.119	0.001	39.067	TRUE	2.26E-08
FVC	SPTLC1	rs139581125	T	C	-0.187	0.026	0.030	6.95E-13	0.003	0.007	0.655	0.002	51.555	TRUE	1.13E-11
FVC	SPTLC1	rs6479383	T	C	0.060	0.009	0.295	7.50E-12	0.004	0.003	0.177	0.001	46.889	TRUE	4.81E-10
FVC	SPTLC1	rs7029539	G	A	0.086	0.011	0.158	2.27E-15	0.009	0.003	0.009	0.002	62.811	TRUE	4.25E-12
FVC	SPTLC1	rs77335334	G	A	0.134	0.021	0.039	2.46E-10	0.024	0.006	1.67E-04	0.001	40.059	TRUE	4.02E-07

FVC	SREBF1	rs111734310	T	C	0.166	0.025	0.032	4.57E-11	0.008	0.007	0.193	0.001	43.349	TRUE	2.15E-09
FVC	SREBF1	rs112408376	C	T	0.146	0.025	0.033	2.76E-09	0.001	0.006	0.911	0.001	35.343	TRUE	1.26E-08
FVC	SREBF1	rs116877152	T	G	0.212	0.027	0.027	1.63E-15	0.013	0.007	0.052	0.002	63.466	TRUE	9.30E-13
FVC	SREBF1	rs118093840	C	T	0.157	0.028	0.029	3.10E-08	0.010	0.008	0.204	0.001	30.643	TRUE	6.21E-07
FVC	SREBF1	rs12150484	T	C	0.163	0.013	0.111	7.14E-38	0.005	0.004	0.169	0.005	165.482	TRUE	3.41E-33
FVC	SREBF1	rs1242509	A	C	-0.118	0.009	0.248	4.35E-37	-0.005	0.003	0.096	0.005	161.890	TRUE	4.80E-32
FVC	SREBF1	rs12601185	G	T	-0.179	0.023	0.030	2.19E-14	-0.013	0.009	0.136	0.002	58.347	TRUE	3.72E-12
FVC	SREBF1	rs12946913	C	A	-0.302	0.008	0.387	0.00E+00	-0.010	0.003	3.43E-05	0.043	1423.939	TRUE	1.21E-267
FVC	SREBF1	rs143417053	C	T	-0.182	0.033	0.020	3.90E-08	0.001	0.009	0.909	0.001	30.195	TRUE	1.46E-07
FVC	SREBF1	rs148613234	C	T	-0.232	0.024	0.034	1.47E-22	-0.009	0.006	0.189	0.003	95.502	TRUE	1.53E-19
FVC	SREBF1	rs150314082	C	T	-0.149	0.026	0.041	1.36E-08	0.005	0.012	0.700	0.001	32.242	TRUE	8.32E-08
FVC	SREBF1	rs151001354	T	C	-0.208	0.031	0.021	1.10E-11	-0.012	0.008	0.146	0.001	46.139	TRUE	8.04E-10
FVC	SREBF1	rs151127579	T	C	0.105	0.016	0.065	1.03E-10	0.011	0.005	0.014	0.001	41.770	TRUE	2.78E-08
FVC	SREBF1	rs16961675	G	T	0.060	0.009	0.296	1.17E-10	0.006	0.003	0.027	0.001	41.520	TRUE	2.08E-08
FVC	SREBF1	rs2746030	A	G	0.117	0.009	0.335	1.81E-40	0.007	0.002	0.003	0.006	177.364	TRUE	3.77E-33
FVC	SREBF1	rs4458058	A	G	0.243	0.025	0.033	2.07E-22	0.008	0.006	0.222	0.003	94.827	TRUE	1.55E-19
FVC	SREBF1	rs4925122	A	C	0.091	0.011	0.416	4.53E-16	0.003	0.003	0.308	0.002	65.989	TRUE	4.49E-14
FVC	SREBF1	rs56300264	T	C	-0.082	0.013	0.234	8.90E-11	-0.005	0.003	0.140	0.001	42.047	TRUE	5.14E-09
FVC	SREBF1	rs61217632	T	C	-0.283	0.016	0.073	4.55E-70	-0.005	0.005	0.248	0.010	313.106	TRUE	1.47E-62
FVC	SREBF1	rs6502607	C	T	-0.117	0.011	0.153	1.05E-25	-0.008	0.004	0.030	0.003	109.861	TRUE	2.04E-21
FVC	SREBF1	rs70959694	C	G	-0.173	0.015	0.072	3.03E-29	-0.008	0.005	0.122	0.004	126.019	TRUE	2.93E-25
FVC	SREBF1	rs741783	A	G	0.179	0.011	0.150	2.18E-58	0.006	0.003	0.043	0.008	259.511	TRUE	1.70E-50
FVC	SREBF1	rs75158606	T	C	0.165	0.030	0.022	4.73E-08	0.002	0.007	0.801	0.001	29.823	TRUE	2.15E-07
FVC	SREBF1	rs76051074	C	T	0.200	0.033	0.025	1.37E-09	-0.006	0.007	0.389	0.001	36.702	TRUE	2.18E-08
FVC	SREBF1	rs76416971	A	G	0.233	0.023	0.038	7.58E-25	0.003	0.005	0.562	0.003	105.939	TRUE	1.91E-22
FVC	SREBF1	rs76855239	T	C	-0.297	0.021	0.043	1.45E-47	-0.007	0.006	0.239	0.007	209.876	TRUE	3.65E-42
FVC	SREBF1	rs77426647	T	G	-0.277	0.023	0.033	9.96E-33	-0.003	0.006	0.698	0.004	141.944	TRUE	7.08E-30
FVC	SREBF1	rs77697889	G	A	0.147	0.012	0.141	4.98E-33	0.006	0.003	0.077	0.005	143.321	TRUE	2.66E-28
FVC	SREBF1	rs78761720	A	G	-0.289	0.022	0.041	8.73E-40	-0.012	0.005	0.020	0.005	174.240	TRUE	1.63E-33
FVC	SREBF1	rs9909417	A	G	-0.054	0.009	0.297	1.02E-09	-0.002	0.003	0.465	0.001	37.276	TRUE	1.36E-08
FVC	STAT2	rs117027576	G	T	-0.161	0.029	0.023	3.77E-08	0.024	0.010	0.013	0.001	30.264	TRUE	3.78E-06
FVC	STAT2	rs143999261	A	G	-0.227	0.032	0.020	1.56E-12	0.006	0.008	0.443	0.002	49.965	TRUE	4.26E-11
FVC	STAT2	rs150955176	C	T	-0.387	0.016	0.071	1.48E-125	0.014	0.005	0.004	0.018	568.025	TRUE	4.47E-108
FVC	STAT2	rs2657878	T	C	-0.083	0.010	0.177	1.66E-15	0.011	0.003	5.04E-04	0.002	63.427	TRUE	1.82E-11
FVC	STAT2	rs60169753	T	G	-0.150	0.019	0.049	6.39E-16	0.003	0.005	0.580	0.002	65.308	TRUE	2.38E-14
FVC	STAT2	rs73113010	T	C	-0.288	0.032	0.020	2.12E-19	0.003	0.010	0.768	0.003	81.117	TRUE	9.09E-18
FVC	STAT2	rs73119300	A	G	-0.109	0.015	0.088	2.12E-12	0.001	0.004	0.866	0.002	49.370	TRUE	1.84E-11
FVC	STAT2	rs7312770	C	T	0.062	0.008	0.450	1.47E-14	-0.007	0.002	0.003	0.002	59.129	TRUE	4.16E-11
FVC	STAT2	rs78062104	G	T	-0.285	0.036	0.024	1.01E-15	0.010	0.012	0.390	0.002	64.413	TRUE	6.92E-14
FVC	STAT5B	rs185478092	C	T	0.148	0.014	0.086	7.55E-25	0.011	0.004	0.010	0.003	105.946	TRUE	3.30E-20
FVC	STAT6	rs10783813	G	T	0.576	0.020	0.046	1.38E-183	0.005	0.009	0.556	0.026	834.863	TRUE	6.67E-167
FVC	STAT6	rs10876966	T	C	-0.082	0.010	0.214	2.14E-17	-0.003	0.003	0.294	0.002	72.008	TRUE	3.14E-15

FVC	STAT6	rs11172304	T	C	0.048	0.008	0.450	1.53E-09	0.001	0.002	0.601	0.001	36.499	TRUE	1.36E-08
FVC	STAT6	rs111775699	G	A	0.160	0.014	0.109	2.01E-31	0.007	0.004	0.053	0.004	135.976	TRUE	1.14E-26
FVC	STAT6	rs112650722	T	C	-0.291	0.029	0.025	2.47E-24	0.004	0.008	0.638	0.003	103.601	TRUE	4.16E-22
FVC	STAT6	rs117027576	G	T	0.448	0.029	0.023	2.50E-53	0.024	0.010	0.013	0.007	236.302	TRUE	3.43E-45
FVC	STAT6	rs117324780	A	G	-0.186	0.026	0.028	1.43E-12	0.014	0.006	0.026	0.002	50.140	TRUE	5.33E-10
FVC	STAT6	rs117387969	C	T	0.211	0.031	0.021	8.18E-12	-0.003	0.009	0.781	0.001	46.720	TRUE	7.85E-11
FVC	STAT6	rs12313528	A	G	-0.057	0.009	0.240	1.13E-09	0.002	0.003	0.536	0.001	37.086	TRUE	1.27E-08
FVC	STAT6	rs12371273	C	T	-0.420	0.019	0.051	9.02E-104	-0.011	0.005	0.053	0.015	467.904	TRUE	3.98E-91
FVC	STAT6	rs138012628	C	A	0.712	0.088	0.020	7.63E-16	0.007	0.015	0.625	0.002	64.959	TRUE	2.48E-14
FVC	STAT6	rs138310208	G	A	0.112	0.015	0.094	3.57E-14	-0.002	0.004	0.718	0.002	57.390	TRUE	6.51E-13
FVC	STAT6	rs139592744	A	G	-0.200	0.025	0.031	1.82E-15	0.005	0.007	0.499	0.002	63.243	TRUE	7.98E-14
FVC	STAT6	rs141407717	T	C	0.304	0.038	0.017	2.34E-15	0.002	0.009	0.797	0.002	62.754	TRUE	4.20E-14
FVC	STAT6	rs142621536	T	C	0.437	0.028	0.024	3.05E-53	0.003	0.007	0.643	0.007	235.903	TRUE	1.56E-48
FVC	STAT6	rs145330692	A	G	-0.269	0.025	0.032	2.00E-26	-0.006	0.006	0.331	0.004	113.142	TRUE	2.04E-23
FVC	STAT6	rs149151748	A	G	0.216	0.038	0.015	9.81E-09	0.003	0.012	0.797	0.001	32.877	TRUE	5.05E-08
FVC	STAT6	rs150470545	T	C	-0.256	0.030	0.023	4.99E-18	-0.015	0.007	0.032	0.002	74.880	TRUE	9.78E-15
FVC	STAT6	rs1689589	T	C	-0.091	0.014	0.101	4.19E-11	0.010	0.004	0.011	0.001	43.520	TRUE	1.57E-08
FVC	STAT6	rs17445108	A	G	-0.201	0.014	0.103	1.46E-46	-0.002	0.004	0.562	0.006	205.283	TRUE	2.96E-42
FVC	STAT6	rs17547610	A	C	0.121	0.011	0.150	9.84E-28	0.009	0.003	0.005	0.004	119.117	TRUE	2.27E-22
FVC	STAT6	rs1800159	A	G	-0.101	0.008	0.326	9.72E-33	-0.002	0.003	0.487	0.004	141.991	TRUE	1.76E-29
FVC	STAT6	rs1870673	T	C	-0.132	0.010	0.203	2.89E-39	-0.009	0.003	0.001	0.005	171.862	TRUE	1.03E-31
FVC	STAT6	rs189779549	A	C	0.266	0.018	0.074	1.49E-47	-0.002	0.007	0.802	0.007	209.831	TRUE	1.13E-43
FVC	STAT6	rs3001428	A	G	0.428	0.020	0.051	1.15E-105	0.008	0.006	0.159	0.015	476.613	TRUE	3.87E-94
FVC	STAT6	rs3024971	G	T	-0.250	0.014	0.088	1.26E-70	0.008	0.004	0.046	0.010	315.673	TRUE	2.40E-61
FVC	STAT6	rs3024981	A	G	-0.305	0.025	0.026	4.71E-33	0.013	0.007	0.075	0.005	143.430	TRUE	2.42E-28
FVC	STAT6	rs324021	C	A	-0.329	0.008	0.441	0.00E+00	-0.010	0.002	4.06E-05	0.053	1783.386	TRUE	0.00E+00
FVC	STAT6	rs34554486	T	C	-0.155	0.025	0.029	4.29E-10	0.010	0.007	0.168	0.001	38.973	TRUE	1.77E-08
FVC	STAT6	rs34656298	A	G	-0.343	0.042	0.016	1.46E-16	-0.010	0.009	0.272	0.002	68.217	TRUE	2.02E-14
FVC	STAT6	rs35091613	T	C	0.182	0.019	0.048	3.29E-22	0.005	0.006	0.424	0.003	93.910	TRUE	8.25E-20
FVC	STAT6	rs4759033	A	G	0.130	0.014	0.093	1.72E-21	0.002	0.004	0.713	0.003	90.636	TRUE	1.27E-19
FVC	STAT6	rs55709405	G	T	-0.207	0.018	0.067	2.08E-31	0.006	0.004	0.148	0.004	135.910	TRUE	2.77E-27
FVC	STAT6	rs55909821	T	C	0.175	0.018	0.063	8.53E-23	0.000	0.005	0.948	0.003	96.583	TRUE	3.79E-21
FVC	STAT6	rs56190972	C	T	-0.294	0.017	0.067	2.84E-66	-0.007	0.005	0.130	0.009	295.691	TRUE	1.74E-58
FVC	STAT6	rs57343616	T	C	0.108	0.017	0.071	6.12E-11	0.013	0.005	0.007	0.001	42.779	TRUE	2.62E-08
FVC	STAT6	rs61937595	T	C	0.200	0.016	0.071	1.08E-34	0.006	0.004	0.129	0.005	150.936	TRUE	3.85E-30
FVC	STAT6	rs6581110	G	T	0.179	0.008	0.463	9.27E-114	0.003	0.002	0.170	0.016	513.805	TRUE	1.34E-101
FVC	STAT6	rs66741626	G	A	0.423	0.011	0.135	7.46E-302	0.009	0.004	0.018	0.042	1378.986	TRUE	5.18E-266
FVC	STAT6	rs715948	T	C	0.234	0.008	0.330	2.12E-173	0.003	0.003	0.207	0.024	788.020	TRUE	1.23E-155
FVC	STAT6	rs7487474	A	G	-0.113	0.016	0.087	4.11E-13	-0.001	0.004	0.866	0.002	52.588	TRUE	4.14E-12
FVC	STAT6	rs74891029	C	T	0.149	0.025	0.028	1.70E-09	0.001	0.008	0.934	0.001	36.291	TRUE	7.74E-09
FVC	STAT6	rs75107351	T	C	-0.123	0.015	0.079	3.65E-16	-0.003	0.004	0.484	0.002	66.412	TRUE	1.97E-14
FVC	STAT6	rs75874411	A	G	-0.421	0.036	0.017	6.04E-31	-0.007	0.010	0.511	0.004	133.792	TRUE	6.82E-28

FVC	STAT6	rs76629790	T	C	0.177	0.024	0.036	1.60E-13	-0.003	0.006	0.541	0.002	54.434	TRUE	4.05E-12
FVC	STAT6	rs77235310	G	A	0.307	0.022	0.035	1.72E-43	-0.009	0.006	0.163	0.006	191.212	TRUE	3.40E-38
FVC	STAT6	rs78607331	T	C	-0.188	0.020	0.051	3.32E-21	-0.001	0.006	0.839	0.003	89.338	TRUE	1.61E-19
FVC	STAT6	rs79680711	A	G	0.096	0.017	0.061	1.03E-08	0.003	0.005	0.489	0.001	32.785	TRUE	1.00E-07
FVC	STX4	rs1046276	T	C	0.312	0.008	0.375	0.00E+00	-0.019	0.002	1.37E-14	0.045	1508.584	TRUE	5.30E-268
FVC	STX4	rs11150606	C	T	-0.150	0.020	0.050	1.92E-13	-0.011	0.009	0.221	0.002	54.087	TRUE	1.51E-11
FVC	STX4	rs112766425	G	A	0.285	0.017	0.060	5.35E-60	-0.022	0.005	1.47E-05	0.008	266.894	TRUE	6.69E-48
FVC	STX4	rs11642632	A	G	0.186	0.024	0.032	4.49E-15	-0.008	0.006	0.195	0.002	61.468	TRUE	6.45E-13
FVC	STX4	rs116849262	A	G	-0.170	0.024	0.036	2.34E-12	0.005	0.006	0.377	0.002	49.176	TRUE	7.52E-11
FVC	STX4	rs117219760	G	T	0.277	0.042	0.024	2.61E-11	-0.023	0.009	0.009	0.001	44.446	TRUE	1.17E-08
FVC	STX4	rs117829446	C	T	-0.152	0.013	0.099	1.30E-29	0.005	0.004	0.182	0.004	127.705	TRUE	7.61E-26
FVC	STX4	rs118151917	C	G	-0.324	0.054	0.014	2.02E-09	0.029	0.012	0.015	0.001	35.955	TRUE	3.11E-07
FVC	STX4	rs12918549	T	C	-0.059	0.009	0.340	4.73E-12	0.003	0.003	0.280	0.002	47.792	TRUE	2.01E-10
FVC	STX4	rs138453524	A	G	0.282	0.035	0.019	1.55E-15	-0.006	0.010	0.524	0.002	63.561	TRUE	6.37E-14
FVC	STX4	rs139294330	G	A	-0.153	0.025	0.035	5.85E-10	-0.003	0.006	0.590	0.001	38.368	TRUE	6.06E-09
FVC	STX4	rs143159643	T	C	-0.325	0.058	0.014	1.57E-08	0.003	0.010	0.761	0.001	31.968	TRUE	8.40E-08
FVC	STX4	rs146060040	T	C	0.255	0.037	0.017	8.39E-12	-0.004	0.012	0.731	0.001	46.671	TRUE	9.06E-11
FVC	STX4	rs147208188	A	G	0.305	0.027	0.024	2.78E-29	0.006	0.008	0.462	0.004	126.190	TRUE	2.73E-26
FVC	STX4	rs149949703	A	G	0.209	0.038	0.017	3.91E-08	-0.017	0.008	0.034	0.001	30.191	TRUE	2.48E-06
FVC	STX4	rs28385574	T	C	-0.209	0.017	0.068	8.78E-34	0.012	0.004	0.002	0.005	146.769	TRUE	2.60E-27
FVC	STX4	rs4321211	C	T	-0.049	0.008	0.493	6.72E-10	0.000	0.002	0.897	0.001	38.099	TRUE	3.53E-09
FVC	STX4	rs4447446	C	T	0.112	0.008	0.469	5.73E-45	-0.005	0.002	0.049	0.006	197.981	TRUE	1.06E-38
FVC	STX4	rs4500746	T	C	0.069	0.009	0.303	1.32E-15	-0.006	0.003	0.018	0.002	63.881	TRUE	1.77E-12
FVC	STX4	rs4889654	G	A	0.077	0.008	0.375	1.31E-20	-0.007	0.002	0.003	0.003	86.630	TRUE	3.87E-16
FVC	STX4	rs56142883	T	C	0.260	0.025	0.031	6.83E-25	-0.020	0.007	0.005	0.003	106.145	TRUE	5.89E-20
FVC	STX4	rs72785572	C	T	0.194	0.018	0.063	1.48E-26	-0.008	0.005	0.115	0.004	113.744	TRUE	7.76E-23
FVC	STX4	rs72785590	A	G	0.158	0.020	0.052	1.63E-15	0.000	0.006	0.976	0.002	63.466	TRUE	1.91E-14
FVC	STX4	rs72792516	C	T	-0.108	0.019	0.050	1.44E-08	0.011	0.005	0.042	0.001	32.136	TRUE	9.39E-07
FVC	STX4	rs72800851	T	C	-0.203	0.033	0.021	4.75E-10	0.020	0.008	0.011	0.001	38.776	TRUE	1.17E-07
FVC	STX4	rs74776661	A	C	-0.211	0.036	0.018	4.45E-09	0.026	0.011	0.016	0.001	34.413	TRUE	5.97E-07
FVC	STX4	rs75812329	A	G	0.112	0.018	0.076	4.48E-10	-0.008	0.004	0.060	0.001	38.888	TRUE	4.01E-08
FVC	STX4	rs77353311	G	A	-0.199	0.014	0.098	3.68E-47	0.004	0.004	0.285	0.007	208.026	TRUE	5.50E-42
FVC	STX4	rs79030220	T	C	-0.172	0.020	0.055	1.27E-18	0.017	0.005	5.71E-04	0.002	77.580	TRUE	4.40E-14
FVC	STX4	rs9746755	A	G	-0.086	0.008	0.519	1.13E-26	0.006	0.002	0.009	0.004	114.269	TRUE	9.34E-22
FVC	STYXL1	rs112059545	A	C	0.056	0.008	0.479	2.86E-11	0.003	0.002	0.272	0.001	44.270	TRUE	9.97E-10
FVC	STYXL1	rs112337412	G	A	0.354	0.010	0.209	1.02E-296	-0.001	0.003	0.783	0.041	1355.346	TRUE	4.30E-270
FVC	STYXL1	rs113745917	G	A	0.280	0.016	0.073	9.86E-70	0.000	0.005	0.934	0.010	311.566	TRUE	2.31E-64
FVC	STYXL1	rs11465295	T	C	0.130	0.014	0.097	7.81E-22	0.002	0.004	0.529	0.003	92.200	TRUE	1.17E-19
FVC	STYXL1	rs11465306	C	G	-0.086	0.009	0.276	1.53E-21	-0.002	0.003	0.462	0.003	90.865	TRUE	2.87E-19
FVC	STYXL1	rs117335147	T	C	-0.361	0.061	0.014	3.72E-09	-0.009	0.010	0.376	0.001	34.761	TRUE	5.49E-08
FVC	STYXL1	rs11760654	T	C	0.312	0.008	0.365	0.00E+00	-0.001	0.003	0.748	0.045	1487.448	TRUE	1.01E-295
FVC	STYXL1	rs117649480	T	C	0.522	0.072	0.012	5.15E-13	0.009	0.010	0.396	0.002	52.142	TRUE	1.82E-11

FVC	STYXL1	rs1179601	C	T	0.046	0.008	0.379	3.17E-08	0.003	0.002	0.217	0.001	30.601	TRUE	6.18E-07
FVC	STYXL1	rs118040706	C	T	-0.218	0.034	0.019	1.67E-10	-0.006	0.009	0.526	0.001	40.817	TRUE	2.28E-09
FVC	STYXL1	rs118155742	A	G	1.385	0.032	0.018	0.00E+00	0.005	0.008	0.568	0.055	1839.734	TRUE	0.00E+00
FVC	STYXL1	rs12113288	A	G	-0.193	0.010	0.193	2.91E-81	-0.004	0.003	0.202	0.011	364.502	TRUE	1.88E-72
FVC	STYXL1	rs12155274	T	C	-0.209	0.015	0.087	8.66E-47	-0.001	0.004	0.859	0.006	206.323	TRUE	4.25E-43
FVC	STYXL1	rs139128931	A	C	1.627	0.040	0.017	0.00E+00	0.008	0.011	0.472	0.049	1649.233	TRUE	0.00E+00
FVC	STYXL1	rs141740587	T	C	-0.288	0.041	0.015	2.69E-12	-0.003	0.012	0.828	0.002	48.902	TRUE	2.55E-11
FVC	STYXL1	rs142596194	A	C	-0.177	0.031	0.021	9.90E-09	0.007	0.008	0.358	0.001	32.858	TRUE	1.38E-07
FVC	STYXL1	rs143228644	C	T	-0.109	0.018	0.063	1.27E-09	-0.007	0.005	0.160	0.001	36.855	TRUE	4.70E-08
FVC	STYXL1	rs143345136	C	T	0.212	0.034	0.020	2.80E-10	0.004	0.009	0.652	0.001	39.804	TRUE	2.67E-09
FVC	STYXL1	rs145495035	T	C	-0.317	0.039	0.020	2.93E-16	-0.010	0.009	0.238	0.002	66.846	TRUE	4.34E-14
FVC	STYXL1	rs145857471	T	C	1.510	0.080	0.013	1.27E-78	0.009	0.011	0.420	0.011	352.371	TRUE	5.17E-71
FVC	STYXL1	rs148821189	A	G	-0.083	0.013	0.126	2.50E-10	-0.002	0.004	0.651	0.001	40.026	TRUE	2.41E-09
FVC	STYXL1	rs150437691	C	T	-0.081	0.009	0.246	4.46E-18	-0.002	0.003	0.493	0.002	75.102	TRUE	3.49E-16
FVC	STYXL1	rs150590257	T	C	-0.203	0.031	0.023	9.88E-11	-0.016	0.008	0.048	0.001	41.843	TRUE	1.27E-08
FVC	STYXL1	rs150857694	C	T	0.519	0.039	0.045	3.26E-40	0.010	0.017	0.569	0.006	176.199	TRUE	1.84E-36
FVC	STYXL1	rs151158408	A	G	0.376	0.036	0.017	2.27E-25	-0.003	0.010	0.735	0.003	108.324	TRUE	3.41E-23
FVC	STYXL1	rs17842722	C	G	0.153	0.015	0.085	1.09E-25	-0.003	0.004	0.398	0.003	109.773	TRUE	6.52E-23
FVC	STYXL1	rs180756478	G	T	-0.100	0.017	0.067	8.48E-09	-0.008	0.005	0.124	0.001	33.159	TRUE	2.98E-07
FVC	STYXL1	rs182580682	A	G	-0.216	0.034	0.021	1.95E-10	-0.007	0.011	0.544	0.001	40.511	TRUE	2.52E-09
FVC	STYXL1	rs2302006	G	T	-0.058	0.010	0.197	1.03E-08	0.003	0.003	0.370	0.001	32.778	TRUE	1.39E-07
FVC	STYXL1	rs239952	T	C	-0.208	0.014	0.095	8.66E-48	0.004	0.004	0.292	0.007	210.905	TRUE	1.34E-42
FVC	STYXL1	rs2705782	A	G	-0.090	0.008	0.462	2.92E-29	-0.008	0.002	0.001	0.004	126.096	TRUE	2.67E-23
FVC	STYXL1	rs2961039	C	T	-0.138	0.009	0.250	1.52E-50	-0.001	0.003	0.627	0.007	223.537	TRUE	5.20E-46
FVC	STYXL1	rs38700	C	A	0.212	0.037	0.027	1.45E-08	0.013	0.007	0.073	0.001	32.120	TRUE	6.85E-07
FVC	STYXL1	rs41302345	T	C	1.537	0.044	0.016	1.50E-272	-0.001	0.010	0.913	0.038	1244.130	TRUE	4.86E-249
FVC	STYXL1	rs4732459	A	G	-0.115	0.008	0.420	5.80E-46	-0.003	0.002	0.275	0.006	202.537	TRUE	6.80E-41
FVC	STYXL1	rs4907169	T	C	0.113	0.010	0.253	5.22E-30	-0.003	0.003	0.328	0.004	129.510	TRUE	1.18E-26
FVC	STYXL1	rs55638089	A	G	-0.546	0.023	0.031	4.20E-123	0.002	0.008	0.836	0.017	556.754	TRUE	5.16E-113
FVC	STYXL1	rs55837343	T	C	-0.100	0.013	0.122	6.85E-14	0.003	0.004	0.482	0.002	56.108	TRUE	2.25E-12
FVC	STYXL1	rs62475265	G	A	-0.123	0.020	0.047	1.60E-09	-0.005	0.005	0.274	0.001	36.409	TRUE	3.50E-08
FVC	STYXL1	rs62475543	G	A	-0.115	0.011	0.253	6.97E-27	-0.004	0.003	0.117	0.004	115.233	TRUE	3.73E-23
FVC	STYXL1	rs6465038	T	C	-0.333	0.008	0.494	0.00E+00	-0.009	0.002	1.62E-04	0.054	1821.872	TRUE	0.00E+00
FVC	STYXL1	rs6465337	C	T	0.096	0.008	0.348	8.72E-30	0.002	0.003	0.366	0.004	128.492	TRUE	1.47E-26
FVC	STYXL1	rs6976363	G	A	-0.236	0.025	0.029	9.74E-21	-0.005	0.008	0.536	0.003	87.207	TRUE	1.17E-18
FVC	STYXL1	rs73133930	A	G	-0.142	0.016	0.076	5.56E-20	0.000	0.004	0.992	0.003	83.765	TRUE	1.30E-18
FVC	STYXL1	rs75629691	G	A	1.130	0.028	0.024	0.00E+00	0.010	0.007	0.165	0.048	1597.070	TRUE	0.00E+00
FVC	STYXL1	rs76832022	T	C	-0.174	0.018	0.061	1.05E-21	-0.001	0.006	0.896	0.003	91.606	TRUE	4.52E-20
FVC	STYXL1	rs77644037	T	G	-0.326	0.044	0.016	1.56E-13	0.001	0.010	0.936	0.002	54.485	TRUE	1.43E-12
FVC	STYXL1	rs7801048	A	G	0.220	0.008	0.446	1.46E-167	0.003	0.002	0.284	0.023	761.170	TRUE	5.82E-151
FVC	STYXL1	rs79969407	A	G	-0.121	0.016	0.074	4.11E-14	-0.001	0.004	0.826	0.002	57.113	TRUE	5.56E-13
FVC	STYXL1	rs9791805	A	G	-0.054	0.009	0.498	3.61E-10	-0.002	0.002	0.465	0.001	39.310	TRUE	5.51E-09

FVC	TMBIM1	rs115504855	G	A	0.179	0.021	0.045	7.13E-17	-0.007	0.006	0.252	0.002	69.631	TRUE	1.18E-14
FVC	TMBIM1	rs115781203	G	A	-0.400	0.062	0.014	1.32E-10	-0.018	0.009	0.036	0.001	41.278	TRUE	1.98E-08
FVC	TMBIM1	rs115989393	T	C	0.182	0.031	0.030	3.42E-09	-0.002	0.006	0.738	0.001	34.926	TRUE	2.18E-08
FVC	TMBIM1	rs116831766	C	A	0.216	0.029	0.043	4.56E-14	-0.003	0.006	0.595	0.002	56.908	TRUE	1.12E-12
FVC	TMBIM1	rs13062	A	C	-0.070	0.008	0.355	3.17E-17	-0.002	0.002	0.551	0.002	71.229	TRUE	1.84E-15
FVC	TMBIM1	rs13386932	G	A	0.129	0.021	0.045	7.95E-10	0.010	0.005	0.061	0.001	37.771	TRUE	6.34E-08
FVC	TMBIM1	rs3181212	A	G	0.083	0.012	0.131	2.49E-12	0.010	0.004	0.004	0.002	49.048	TRUE	2.34E-09
FVC	TMBIM1	rs62182794	G	A	-0.242	0.023	0.034	1.11E-26	-0.001	0.006	0.827	0.004	114.308	TRUE	1.49E-24
FVC	TMBIM1	rs72947598	G	A	0.143	0.016	0.071	1.13E-18	0.004	0.005	0.408	0.002	77.816	TRUE	1.41E-16
FVC	TMBIM1	rs72949328	A	G	-0.146	0.022	0.044	2.56E-11	0.000	0.006	0.999	0.001	44.486	TRUE	1.37E-10
FVC	TMBIM1	rs7423696	T	C	0.057	0.009	0.310	5.55E-11	-0.001	0.003	0.803	0.001	42.971	TRUE	4.21E-10
FVC	TMBIM1	rs74270394	A	G	-0.164	0.013	0.098	1.01E-34	0.001	0.004	0.697	0.005	151.064	TRUE	1.02E-31
FVC	TMBIM1	rs7559416	G	A	-0.201	0.008	0.386	1.04E-135	-0.008	0.002	0.001	0.019	614.715	TRUE	2.90E-116
FVC	TMBIM6	rs11169078	T	G	-0.290	0.040	0.022	5.61E-13	0.013	0.009	0.158	0.002	51.975	TRUE	5.65E-11
FVC	TMBIM6	rs11837639	A	G	0.176	0.016	0.064	1.13E-27	0.017	0.005	1.96E-04	0.004	118.837	TRUE	2.81E-21
FVC	TMBIM6	rs148343700	C	T	-0.240	0.027	0.025	3.86E-19	0.019	0.009	0.037	0.003	79.936	TRUE	8.97E-16
FVC	TMBIM6	rs7972360	T	G	-0.130	0.023	0.037	2.39E-08	-0.013	0.009	0.167	0.001	31.150	TRUE	5.84E-07
FVC	TMEM106B	rs1149542	C	T	0.089	0.016	0.067	3.14E-08	0.007	0.004	0.130	0.001	30.616	TRUE	8.69E-07
FVC	TMEM106B	rs11509880	A	G	0.072	0.009	0.340	6.16E-17	-0.004	0.003	0.151	0.002	69.922	TRUE	1.92E-14
FVC	TMEM106B	rs2215992	T	C	0.079	0.011	0.162	3.68E-13	-0.005	0.003	0.146	0.002	52.806	TRUE	4.25E-11
FVC	TMEM106B	rs62433256	A	C	0.105	0.017	0.062	3.03E-10	-0.012	0.005	0.012	0.001	39.650	TRUE	7.22E-08
FVC	TMEM106B	rs6460915	G	A	0.066	0.008	0.386	7.84E-16	0.000	0.002	0.996	0.002	64.905	TRUE	9.02E-15
FVC	TMEM106B	rs6460957	A	C	-0.064	0.009	0.253	3.41E-12	0.001	0.003	0.864	0.002	48.433	TRUE	3.03E-11
FVC	TMEM106B	rs71536872	A	T	-0.473	0.039	0.060	1.09E-33	0.002	0.005	0.697	0.005	146.333	TRUE	9.63E-31
FVC	TMEM106B	rs76353014	G	A	0.129	0.021	0.038	1.24E-09	0.003	0.006	0.598	0.001	36.901	TRUE	1.17E-08
FVC	TMEM106B	rs7810945	A	G	0.112	0.008	0.443	1.44E-44	-0.007	0.002	0.003	0.006	196.139	TRUE	7.90E-37
FVC	TP53	rs1642795	C	T	-0.066	0.012	0.135	1.47E-08	0.006	0.004	0.086	0.001	32.090	TRUE	5.94E-07
FVC	TP53	rs35850753	T	C	-0.251	0.027	0.025	4.04E-21	0.036	0.009	2.08E-05	0.003	88.949	TRUE	2.36E-15
FVC	TRIM13	rs2490639	C	G	0.158	0.016	0.070	6.38E-24	-0.009	0.005	0.061	0.003	101.717	TRUE	3.58E-20
FVC	TRIM13	rs55937551	A	C	0.298	0.054	0.012	3.21E-08	-0.021	0.011	0.051	0.001	30.572	TRUE	1.65E-06
FVC	TRIM13	rs73194483	C	A	-0.114	0.014	0.089	3.99E-16	-0.008	0.004	0.065	0.002	66.236	TRUE	2.36E-13
FVC	TRIM13	rs74433357	A	G	-0.198	0.012	0.160	1.68E-61	-0.010	0.003	0.002	0.009	273.794	TRUE	2.99E-51
FVC	TRIM34	rs10838482	T	A	0.134	0.022	0.038	5.39E-10	0.014	0.006	0.030	0.001	38.527	TRUE	7.06E-08
FVC	TRIM34	rs12787013	G	A	0.071	0.012	0.118	1.18E-08	0.002	0.003	0.498	0.001	32.515	TRUE	1.13E-07
FVC	UCHL1	rs10019432	C	T	-0.051	0.008	0.356	1.13E-09	0.000	0.003	0.919	0.001	37.083	TRUE	5.25E-09
FVC	UCHL1	rs11733956	A	G	0.102	0.016	0.068	2.50E-10	0.002	0.005	0.682	0.001	40.026	TRUE	2.26E-09
FVC	UCHL1	rs13102133	G	C	0.097	0.011	0.155	2.86E-18	-0.007	0.003	0.029	0.002	75.978	TRUE	6.11E-15
FVC	UCHL1	rs13107512	G	A	0.083	0.014	0.097	1.45E-09	-0.003	0.004	0.491	0.001	36.603	TRUE	1.74E-08
FVC	UCHL1	rs4861090	T	G	0.049	0.008	0.371	5.05E-09	0.001	0.002	0.804	0.001	34.167	TRUE	2.73E-08
FVC	UNC13D	rs113062332	A	G	-0.151	0.024	0.032	1.40E-10	0.004	0.007	0.596	0.001	41.160	TRUE	1.63E-09
FVC	UNC13D	rs146775727	T	C	-0.199	0.036	0.018	3.69E-08	-0.005	0.009	0.535	0.001	30.305	TRUE	2.88E-07
FVC	UNC13D	rs147677775	A	G	-0.253	0.025	0.027	2.18E-24	0.005	0.007	0.481	0.003	103.842	TRUE	7.23E-22

FVC	UNC13D	rs2244377	A	G	-0.090	0.009	0.317	4.87E-26	0.005	0.003	0.061	0.004	111.380	TRUE	5.22E-22
FVC	UNC13D	rs2290769	C	G	-0.244	0.010	0.200	4.28E-135	0.008	0.003	0.006	0.019	611.883	TRUE	5.84E-117
FVC	UNC13D	rs2305347	T	C	-0.063	0.011	0.166	6.07E-09	0.004	0.003	0.160	0.001	33.810	TRUE	1.87E-07
FVC	UNC13D	rs2444842	A	G	-0.079	0.012	0.183	3.46E-11	0.005	0.003	0.136	0.001	43.893	TRUE	2.26E-09
FVC	UNC13D	rs55853884	T	C	0.117	0.021	0.042	2.60E-08	0.004	0.006	0.470	0.001	30.983	TRUE	2.46E-07
FVC	UNC13D	rs9915313	T	G	-0.071	0.011	0.259	1.56E-10	0.008	0.003	0.002	0.001	40.947	TRUE	9.54E-08
FVC	UNC13D	rs9916685	A	G	0.258	0.019	0.050	6.54E-41	0.002	0.006	0.770	0.006	179.394	TRUE	1.56E-37
FVC	UNC5B	rs117982032	G	T	0.319	0.032	0.024	5.64E-23	-0.007	0.007	0.321	0.003	97.403	TRUE	2.75E-20
FVC	UNC5B	rs1341614	A	G	-0.058	0.010	0.176	2.77E-08	-0.003	0.003	0.297	0.001	30.859	TRUE	4.22E-07
FVC	UNC5B	rs147819437	C	A	-0.132	0.016	0.086	1.10E-16	-0.001	0.004	0.793	0.002	68.783	TRUE	2.59E-15
FVC	UNC5B	rs1538894	A	G	-0.084	0.014	0.113	6.39E-10	-0.001	0.004	0.793	0.001	38.198	TRUE	4.28E-09
FVC	UNC5B	rs16928560	A	G	-0.107	0.011	0.187	1.94E-22	0.003	0.003	0.314	0.003	94.960	TRUE	9.40E-20
FVC	UNC5B	rs61851261	A	G	0.186	0.020	0.043	7.29E-21	-0.004	0.006	0.482	0.003	87.780	TRUE	1.13E-18
FVC	UNC5B	rs61852795	G	A	0.153	0.013	0.147	3.70E-32	-0.008	0.003	0.024	0.004	139.340	TRUE	7.12E-27
FVC	UNC5B	rs68072991	G	T	0.156	0.023	0.033	2.88E-11	-0.007	0.006	0.240	0.001	44.257	TRUE	1.18E-09
FVC	UNC5B	rs72810312	T	C	0.236	0.020	0.063	1.32E-32	-0.006	0.005	0.229	0.004	141.387	TRUE	1.14E-28
FVC	UNC5B	rs74144928	C	A	0.105	0.019	0.053	4.20E-08	-0.010	0.005	0.044	0.001	30.055	TRUE	2.25E-06
FVC	UNC5B	rs74892899	T	G	0.145	0.023	0.043	3.92E-10	-0.009	0.005	0.078	0.001	39.147	TRUE	2.92E-08
FVC	UNC5B	rs79151165	T	C	-0.158	0.014	0.121	3.91E-29	0.006	0.004	0.079	0.004	125.517	TRUE	7.23E-25
FVC	UNC5B	rs79416409	T	G	0.262	0.023	0.036	1.87E-29	-0.012	0.006	0.061	0.004	126.978	TRUE	5.00E-25
FVC	UNC5B	rs80146101	A	G	0.271	0.037	0.020	1.17E-13	-0.021	0.008	0.007	0.002	55.047	TRUE	1.48E-10
FVC	UNC5B	rs9732438	G	T	0.378	0.009	0.333	0.00E+00	-0.013	0.003	2.87E-07	0.054	1807.819	TRUE	0.00E+00
FVC	USP30	rs11066777	T	C	0.178	0.011	0.161	1.87E-61	0.001	0.003	0.657	0.009	273.582	TRUE	4.25E-56
FVC	USP30	rs112003965	T	C	-0.277	0.015	0.080	9.66E-81	-0.009	0.004	0.040	0.011	362.108	TRUE	2.86E-70
FVC	USP30	rs139129122	C	T	0.051	0.009	0.312	4.43E-08	0.001	0.003	0.580	0.001	29.950	TRUE	3.03E-07
FVC	USP30	rs151228295	A	G	-0.165	0.029	0.021	2.22E-08	0.017	0.009	0.058	0.001	31.289	TRUE	1.10E-06
FVC	USP30	rs2541886	T	G	-0.065	0.008	0.469	5.39E-16	-0.001	0.002	0.793	0.002	65.645	TRUE	1.09E-14
FVC	USP30	rs4296113	C	T	-0.095	0.009	0.234	7.53E-24	0.000	0.003	0.975	0.003	101.390	TRUE	3.75E-22
FVC	USP30	rs4964285	T	C	0.050	0.009	0.314	8.17E-09	-0.001	0.003	0.617	0.001	33.233	TRUE	6.20E-08
FVC	USP30	rs60293430	A	G	0.095	0.017	0.058	4.37E-08	-0.004	0.005	0.384	0.001	29.978	TRUE	4.84E-07
FVC	USP36	rs112784155	A	G	0.182	0.025	0.034	1.28E-13	-0.003	0.008	0.672	0.002	54.878	TRUE	2.30E-12
FVC	USP36	rs113094786	T	C	0.378	0.033	0.020	1.64E-30	0.008	0.009	0.349	0.004	131.814	TRUE	3.89E-27
FVC	USP36	rs113586045	A	C	-0.268	0.047	0.015	1.17E-08	-0.011	0.010	0.286	0.001	32.529	TRUE	2.00E-07
FVC	USP36	rs113714450	A	G	-0.116	0.012	0.134	3.99E-23	-0.006	0.003	0.075	0.003	98.087	TRUE	1.62E-19
FVC	USP36	rs114592332	T	C	0.450	0.044	0.014	4.37E-24	0.001	0.010	0.888	0.003	102.469	TRUE	2.96E-22
FVC	USP36	rs116461002	A	G	0.143	0.020	0.047	1.98E-12	0.001	0.005	0.889	0.002	49.497	TRUE	1.64E-11
FVC	USP36	rs11652251	A	G	-0.383	0.009	0.266	0.00E+00	-0.006	0.003	0.031	0.057	1915.161	TRUE	0.00E+00
FVC	USP36	rs11653708	A	T	0.274	0.011	0.191	2.37E-141	0.005	0.003	0.078	0.020	640.649	TRUE	2.42E-125
FVC	USP36	rs116897527	A	G	-0.391	0.040	0.014	4.02E-23	-0.013	0.011	0.237	0.003	98.075	TRUE	3.34E-20
FVC	USP36	rs117765873	A	G	-0.483	0.017	0.059	2.71E-179	-0.005	0.005	0.320	0.025	815.120	TRUE	1.12E-161
FVC	USP36	rs117781742	T	G	-0.640	0.023	0.036	2.11E-167	0.001	0.007	0.883	0.023	760.429	TRUE	1.34E-153
FVC	USP36	rs117888017	C	T	0.410	0.069	0.015	2.78E-09	0.002	0.012	0.895	0.001	35.331	TRUE	1.31E-08

FVC	USP36	rs117946159	T	C	0.342	0.052	0.019	3.73E-11	-0.007	0.011	0.509	0.001	43.747	TRUE	6.12E-10
FVC	USP36	rs12325862	T	C	0.216	0.022	0.048	1.13E-22	-0.004	0.007	0.597	0.003	96.034	TRUE	1.61E-20
FVC	USP36	rs12453433	A	G	0.149	0.008	0.338	1.60E-69	0.005	0.003	0.050	0.010	310.601	TRUE	1.73E-60
FVC	USP36	rs12936377	A	G	-0.148	0.027	0.025	3.86E-08	0.004	0.007	0.510	0.001	30.217	TRUE	3.22E-07
FVC	USP36	rs12936828	T	C	-0.179	0.017	0.062	8.78E-25	-0.003	0.005	0.578	0.003	105.647	TRUE	2.01E-22
FVC	USP36	rs1374	T	C	-0.180	0.028	0.035	1.63E-10	0.014	0.007	0.038	0.001	40.868	TRUE	2.31E-08
FVC	USP36	rs138013298	C	T	-0.348	0.040	0.015	2.74E-18	-0.015	0.010	0.123	0.002	76.065	TRUE	1.51E-15
FVC	USP36	rs140002452	A	G	0.368	0.052	0.015	2.04E-12	0.021	0.012	0.076	0.002	49.440	TRUE	3.21E-10
FVC	USP36	rs140290111	A	G	0.531	0.046	0.014	1.62E-30	-0.003	0.016	0.856	0.004	131.837	TRUE	3.99E-28
FVC	USP36	rs140442353	C	T	0.722	0.099	0.015	2.96E-13	-0.010	0.014	0.476	0.002	53.228	TRUE	8.56E-12
FVC	USP36	rs141521026	T	C	0.621	0.036	0.018	6.47E-67	0.005	0.011	0.644	0.009	298.634	TRUE	4.82E-61
FVC	USP36	rs143665684	A	G	0.313	0.030	0.021	4.72E-25	-0.018	0.008	0.015	0.003	106.876	TRUE	1.54E-20
FVC	USP36	rs143701541	T	G	0.260	0.026	0.027	2.99E-24	0.014	0.007	0.064	0.003	103.219	TRUE	1.80E-20
FVC	USP36	rs145139967	G	A	0.296	0.037	0.016	5.84E-16	-0.007	0.010	0.495	0.002	65.486	TRUE	2.92E-14
FVC	USP36	rs150390217	T	C	0.385	0.039	0.021	9.53E-23	0.009	0.009	0.283	0.003	96.364	TRUE	5.59E-20
FVC	USP36	rs16971662	T	C	-0.420	0.050	0.016	6.22E-17	-0.007	0.010	0.512	0.002	69.902	TRUE	3.55E-15
FVC	USP36	rs35820493	A	G	0.275	0.025	0.035	1.88E-28	0.001	0.006	0.881	0.004	122.400	TRUE	2.93E-26
FVC	USP36	rs4239273	T	C	-0.413	0.011	0.165	0.00E+00	-0.006	0.003	0.076	0.046	1535.005	TRUE	1.26E-298
FVC	USP36	rs4789914	C	T	-0.124	0.017	0.059	8.48E-13	0.001	0.005	0.897	0.002	51.165	TRUE	7.57E-12
FVC	USP36	rs4796821	A	G	-0.072	0.011	0.177	1.86E-10	-0.005	0.003	0.114	0.001	40.610	TRUE	1.16E-08
FVC	USP36	rs55840510	T	C	-0.605	0.099	0.013	1.05E-09	0.022	0.011	0.037	0.001	37.220	TRUE	1.12E-07
FVC	USP36	rs57816430	A	G	-0.163	0.024	0.029	1.34E-11	0.002	0.008	0.782	0.001	45.752	TRUE	1.23E-10
FVC	USP36	rs62074431	A	G	0.279	0.022	0.042	7.93E-36	-0.002	0.005	0.664	0.005	156.120	TRUE	1.17E-32
FVC	USP36	rs62076467	A	G	0.164	0.022	0.062	5.00E-14	-0.001	0.005	0.918	0.002	56.728	TRUE	5.28E-13
FVC	USP36	rs67046441	C	A	0.167	0.016	0.096	3.14E-26	-0.001	0.004	0.892	0.004	112.248	TRUE	3.19E-24
FVC	USP36	rs7209655	T	C	0.314	0.008	0.345	0.00E+00	0.003	0.003	0.225	0.043	1437.833	TRUE	2.56E-282
FVC	USP36	rs7212244	A	G	0.214	0.016	0.075	1.64E-43	0.012	0.004	0.003	0.006	191.306	TRUE	7.28E-36
FVC	USP36	rs7220871	T	C	-0.049	0.008	0.338	7.05E-09	0.000	0.003	0.867	0.001	33.520	TRUE	3.23E-08
FVC	USP36	rs72848533	A	G	-0.135	0.014	0.085	4.85E-21	-0.005	0.004	0.300	0.003	88.587	TRUE	1.75E-18
FVC	USP36	rs72848580	T	C	0.405	0.032	0.024	2.74E-37	0.011	0.007	0.113	0.005	162.807	TRUE	2.42E-32
FVC	USP36	rs72849504	T	C	0.497	0.012	0.139	0.00E+00	0.006	0.003	0.081	0.051	1711.734	TRUE	0.00E+00
FVC	USP36	rs7406652	T	C	0.095	0.009	0.434	8.41E-28	0.007	0.002	0.006	0.004	119.427	TRUE	1.54E-22
FVC	USP36	rs77154538	G	A	-0.578	0.031	0.018	4.75E-77	-0.004	0.008	0.608	0.011	345.156	TRUE	3.27E-70
FVC	USP36	rs8075997	A	G	0.161	0.018	0.062	9.28E-19	0.009	0.006	0.117	0.002	78.201	TRUE	6.45E-16
FVC	USP36	rs8078042	A	G	-0.397	0.025	0.028	3.20E-57	-0.008	0.007	0.238	0.008	254.156	TRUE	6.80E-51
FVC	USP36	rs9891726	T	C	-0.136	0.014	0.092	5.45E-23	0.000	0.004	0.920	0.003	97.470	TRUE	2.78E-21
FVC	USP36	rs9895583	G	A	-0.074	0.010	0.305	2.40E-13	0.003	0.003	0.275	0.002	53.646	TRUE	1.40E-11
FVC	USP36	rs9896857	G	A	-0.062	0.010	0.191	8.85E-10	-0.001	0.003	0.814	0.001	37.559	TRUE	5.38E-09
FVC	USP36	rs9901429	G	A	-0.249	0.016	0.082	7.07E-58	0.007	0.005	0.118	0.008	257.161	TRUE	8.32E-51
FVC	VDAC2	rs11001335	T	C	-0.088	0.015	0.080	1.34E-08	0.007	0.004	0.076	0.001	32.270	TRUE	6.04E-07
FVC	VDAC2	rs1259604	G	A	0.060	0.009	0.367	3.59E-12	-0.005	0.003	0.059	0.002	48.336	TRUE	5.93E-10
FVC	VPS26A	rs10998460	A	G	-0.070	0.011	0.181	3.51E-11	0.001	0.003	0.714	0.001	43.867	TRUE	3.63E-10

FVC	VPS26A	rs10998535	T	C	-0.110	0.010	0.191	9.25E-28	0.002	0.003	0.446	0.004	119.239	TRUE	7.11E-25
FVC	VPS26A	rs113486223	C	A	0.068	0.010	0.208	2.92E-11	0.008	0.003	0.004	0.001	44.228	TRUE	1.68E-08
FVC	VPS26A	rs117447349	A	G	-0.325	0.048	0.016	1.31E-11	0.004	0.010	0.662	0.001	45.795	TRUE	1.62E-10
FVC	VPS26A	rs12268341	G	A	0.087	0.014	0.094	1.95E-10	-0.004	0.004	0.355	0.001	40.510	TRUE	4.24E-09
FVC	VPS26A	rs12415599	A	G	0.070	0.010	0.226	1.38E-13	-0.005	0.003	0.089	0.002	54.733	TRUE	2.71E-11
FVC	VPS26A	rs12781955	C	G	-0.202	0.010	0.230	3.41E-88	-0.006	0.003	0.036	0.012	396.335	TRUE	6.43E-77
FVC	VPS26A	rs138159849	C	T	-0.181	0.032	0.019	2.07E-08	-0.020	0.009	0.032	0.001	31.430	TRUE	1.47E-06
FVC	VPS26A	rs34878143	C	T	-0.492	0.031	0.019	3.27E-58	0.001	0.008	0.927	0.008	258.697	TRUE	9.29E-54
FVC	VPS26A	rs35893997	T	C	0.098	0.018	0.062	4.71E-08	0.002	0.005	0.643	0.001	29.832	TRUE	2.86E-07
FVC	VPS26A	rs41278520	G	A	0.166	0.027	0.027	7.89E-10	0.011	0.006	0.070	0.001	37.786	TRUE	5.77E-08
FVC	VPS26A	rs4603200	T	C	-0.052	0.008	0.450	1.03E-10	0.000	0.002	0.890	0.001	41.758	TRUE	6.21E-10
FVC	VPS26A	rs5030933	C	T	0.129	0.009	0.273	3.12E-47	0.007	0.003	0.010	0.007	208.357	TRUE	1.19E-39
FVC	VPS26A	rs61868304	A	G	-0.093	0.014	0.093	3.18E-11	-0.005	0.004	0.206	0.001	44.060	TRUE	1.45E-09
FVC	VPS26A	rs6480384	C	T	0.204	0.013	0.124	6.02E-58	0.002	0.004	0.694	0.008	257.486	TRUE	6.02E-53
FVC	VPS26A	rs74233638	A	G	0.395	0.030	0.027	5.17E-40	-0.002	0.011	0.872	0.006	175.282	TRUE	6.76E-37
FVC	VPS26A	rs78505997	T	C	-0.107	0.017	0.064	2.98E-10	-0.006	0.005	0.194	0.001	39.683	TRUE	1.12E-08
FVC	WDR81	rs117830091	T	C	-0.410	0.060	0.016	1.26E-11	0.004	0.011	0.701	0.001	45.879	TRUE	1.41E-10
FVC	WDR81	rs12150338	T	C	-0.222	0.018	0.095	1.46E-36	-0.004	0.004	0.337	0.005	159.482	TRUE	1.47E-32
FVC	WDR81	rs12951668	T	C	-0.282	0.030	0.026	6.70E-21	-0.002	0.007	0.816	0.003	87.949	TRUE	3.29E-19
FVC	WDR81	rs149305654	G	A	0.201	0.028	0.028	4.58E-13	0.000	0.008	0.975	0.002	52.374	TRUE	3.54E-12
FVC	WDR81	rs17292224	G	A	0.104	0.009	0.273	1.05E-30	0.004	0.003	0.216	0.004	132.701	TRUE	6.43E-27
FVC	WDR81	rs17339284	A	G	0.078	0.010	0.249	1.40E-15	-0.002	0.003	0.538	0.002	63.762	TRUE	5.50E-14
FVC	WDR81	rs58697961	A	G	0.362	0.008	0.365	0.00E+00	0.009	0.003	2.09E-04	0.059	1973.561	TRUE	0.00E+00
FVC	WDR81	rs60597411	A	G	-0.063	0.010	0.207	1.68E-10	-0.005	0.003	0.112	0.001	40.804	TRUE	1.02E-08
FVC	WDR81	rs62067508	G	A	-0.146	0.009	0.285	1.01E-59	-0.002	0.003	0.507	0.008	265.622	TRUE	4.81E-54
FVC	WDR81	rs62090048	C	T	0.131	0.010	0.298	2.70E-38	0.000	0.003	0.876	0.005	167.418	TRUE	2.59E-35
FVC	WDR81	rs7208143	T	G	-0.073	0.011	0.277	6.75E-12	-0.002	0.003	0.525	0.001	47.095	TRUE	1.30E-10
FVC	WDR81	rs72822424	C	T	0.209	0.029	0.056	9.27E-13	-0.005	0.005	0.316	0.002	50.991	TRUE	4.08E-11
FVC	WDR81	rs72822471	C	T	-0.217	0.026	0.030	3.87E-17	-0.009	0.006	0.119	0.002	70.838	TRUE	1.64E-14
FVC	WDR81	rs7501615	A	G	-0.075	0.012	0.205	1.31E-10	-0.003	0.003	0.226	0.001	41.294	TRUE	4.76E-09
FVC	WDR81	rs7503021	A	G	0.209	0.018	0.052	6.81E-30	0.012	0.005	0.015	0.004	128.982	TRUE	1.08E-24
FVC	WDR81	rs80050626	T	C	-0.148	0.018	0.067	8.43E-16	-0.007	0.004	0.115	0.002	64.763	TRUE	2.50E-13
FVC	WDR81	rs80309789	T	C	0.302	0.036	0.021	5.40E-17	0.007	0.007	0.324	0.002	70.179	TRUE	6.49E-15
FVC	WDR81	rs9674774	A	G	0.106	0.011	0.438	2.70E-22	0.006	0.003	0.017	0.003	94.301	TRUE	3.40E-18
FVC	YWHAB	rs11700134	A	G	0.060	0.010	0.255	1.48E-09	-0.005	0.003	0.071	0.001	36.564	TRUE	9.83E-08
FVC	YWHAB	rs117690200	A	C	0.166	0.030	0.023	4.07E-08	-0.007	0.007	0.290	0.001	30.116	TRUE	5.88E-07
FVC	YWHAB	rs2239535	A	G	0.126	0.009	0.244	4.03E-42	-0.007	0.003	0.009	0.006	184.937	TRUE	4.20E-35
FVC	YWHAB	rs73123579	A	C	0.255	0.028	0.025	7.31E-20	-0.019	0.010	0.051	0.003	83.224	TRUE	1.62E-16
FVC	YWHAB	rs76643272	C	A	0.417	0.047	0.015	1.55E-18	0.005	0.009	0.553	0.002	77.189	TRUE	1.10E-16
FVC	ZBP1	rs6025673	A	G	-0.393	0.018	0.049	1.56E-101	0.015	0.006	0.008	0.014	457.625	TRUE	1.74E-87
FVC	ZBP1	rs6070187	A	G	-0.107	0.008	0.344	1.58E-37	0.001	0.003	0.808	0.005	163.906	TRUE	1.72E-34
FVC	ZDHHC3	rs4683019	C	T	0.100	0.008	0.426	2.47E-35	-0.006	0.002	0.015	0.005	153.859	TRUE	1.52E-29

FVC	ZDHHC3	rs6768893	C	T	-0.059	0.010	0.229	5.48E-10	0.005	0.003	0.048	0.001	38.497	TRUE	5.65E-08
FVC	ZDHHC3	rs72864837	T	G	0.093	0.016	0.065	1.49E-08	0.003	0.005	0.552	0.001	32.059	TRUE	1.24E-07
FVC	ZDHHC3	rs75289188	T	C	0.100	0.016	0.070	2.68E-10	0.001	0.004	0.811	0.001	39.894	TRUE	1.79E-09
FVC	ZDHHC3	rs9846155	G	A	-0.052	0.008	0.490	1.01E-10	0.001	0.002	0.829	0.001	41.793	TRUE	7.15E-10
FVC	ZEB1	rs9417869	A	G	-0.071	0.009	0.249	4.66E-14	-0.009	0.003	6.63E-04	0.002	56.863	TRUE	2.56E-10
FEV1	ABCB9	rs10846525	T	C	0.052	0.008	0.456	1.10E-10	0.000	0.002	0.897	0.001	41.641	TRUE	6.62E-10
FEV1	ABCB9	rs11057405	A	G	-0.085	0.015	0.084	4.82E-09	0.002	0.004	0.618	0.001	34.260	TRUE	3.84E-08
FEV1	ABCB9	rs111835289	G	A	0.120	0.019	0.051	3.01E-10	-0.024	0.006	4.70E-05	0.001	39.667	TRUE	7.08E-07
FEV1	ABCB9	rs11608811	A	G	0.290	0.009	0.301	5.43E-251	-0.012	0.003	5.92E-06	0.035	1144.945	TRUE	3.77E-213
FEV1	ABCB9	rs117913606	A	G	-0.149	0.018	0.065	2.66E-16	0.012	0.004	0.002	0.002	67.032	TRUE	1.86E-12
FEV1	ABCB9	rs12810157	A	G	0.283	0.029	0.027	3.66E-22	-0.008	0.007	0.245	0.003	93.700	TRUE	2.29E-19
FEV1	ABCB9	rs12816396	T	A	0.089	0.011	0.165	2.22E-16	0.002	0.003	0.568	0.002	67.397	TRUE	9.38E-15
FEV1	ABCB9	rs1662	A	G	-0.099	0.008	0.370	5.02E-33	0.002	0.002	0.473	0.005	143.305	TRUE	1.01E-29
FEV1	ABCB9	rs2154	G	A	0.192	0.016	0.075	4.44E-33	-0.008	0.004	0.063	0.005	143.550	TRUE	2.98E-28
FEV1	ABCB9	rs28873419	G	T	0.181	0.027	0.026	9.00E-12	0.003	0.008	0.697	0.001	46.532	TRUE	1.06E-10
FEV1	ABCB9	rs34484751	C	A	0.326	0.025	0.030	1.13E-39	-0.006	0.007	0.419	0.005	173.717	TRUE	1.26E-35
FEV1	ABCB9	rs34944476	T	C	0.078	0.012	0.192	4.39E-11	-0.002	0.003	0.492	0.001	43.428	TRUE	7.63E-10
FEV1	ABCB9	rs496911	A	G	-0.067	0.008	0.380	7.53E-16	0.002	0.002	0.363	0.002	64.985	TRUE	5.96E-14
FEV1	ABCB9	rs580063	C	T	0.066	0.010	0.204	2.56E-11	-0.005	0.003	0.065	0.001	44.483	TRUE	3.15E-09
FEV1	ABCB9	rs61953572	C	T	0.111	0.019	0.112	3.09E-09	-0.003	0.004	0.365	0.001	35.127	TRUE	4.69E-08
FEV1	ABCB9	rs61955270	A	G	-0.146	0.019	0.053	4.77E-14	0.012	0.005	0.015	0.002	56.821	TRUE	4.24E-11
FEV1	ABCB9	rs7297888	T	C	0.189	0.021	0.044	3.37E-20	0.002	0.006	0.735	0.003	84.757	TRUE	1.87E-18
FEV1	ABCB9	rs73230058	T	C	-0.129	0.014	0.111	4.16E-21	0.005	0.004	0.171	0.003	88.893	TRUE	3.24E-18
FEV1	ABCB9	rs76573394	T	C	0.302	0.024	0.034	2.08E-35	-0.003	0.007	0.688	0.005	154.201	TRUE	2.59E-32
FEV1	ABCB9	rs77064381	C	T	-0.137	0.018	0.061	3.37E-14	0.005	0.005	0.304	0.002	57.504	TRUE	2.30E-12
FEV1	ABCB9	rs77983490	A	G	0.328	0.034	0.019	1.84E-21	-0.009	0.008	0.279	0.003	90.503	TRUE	8.15E-19
FEV1	ABCB9	rs7953894	A	C	-0.107	0.008	0.498	1.29E-37	0.006	0.002	0.014	0.005	164.310	TRUE	1.74E-31
FEV1	ABCB9	rs79739600	G	A	-0.086	0.014	0.101	3.62E-10	0.003	0.004	0.436	0.001	39.306	TRUE	5.78E-09
FEV1	ACP2	rs10769199	G	T	0.158	0.008	0.385	2.80E-84	0.000	0.002	0.860	0.012	378.355	TRUE	1.48E-77
FEV1	ACP2	rs111834609	A	G	-0.609	0.022	0.039	1.20E-162	-0.004	0.006	0.540	0.023	738.556	TRUE	8.12E-148
FEV1	ACP2	rs113083342	G	A	-0.601	0.039	0.025	1.20E-52	0.000	0.013	0.995	0.007	233.176	TRUE	8.79E-49
FEV1	ACP2	rs113618854	T	C	0.156	0.016	0.073	2.16E-21	-0.010	0.004	0.021	0.003	90.187	TRUE	1.69E-17
FEV1	ACP2	rs113954134	A	G	-0.531	0.028	0.026	1.02E-82	0.021	0.007	0.001	0.012	371.179	TRUE	1.32E-69
FEV1	ACP2	rs11601310	A	G	0.127	0.010	0.183	2.89E-34	-0.005	0.003	0.111	0.005	148.977	TRUE	1.17E-29
FEV1	ACP2	rs116996852	G	T	-0.357	0.047	0.019	2.49E-14	0.012	0.010	0.217	0.002	58.094	TRUE	2.53E-12
FEV1	ACP2	rs12364481	A	G	0.111	0.011	0.157	3.52E-23	0.008	0.003	0.015	0.003	98.337	TRUE	6.45E-19
FEV1	ACP2	rs140025272	C	T	0.201	0.030	0.024	1.24E-11	0.005	0.007	0.503	0.001	45.900	TRUE	2.29E-10
FEV1	ACP2	rs141317610	G	A	-0.603	0.036	0.040	5.94E-62	0.011	0.006	0.093	0.009	275.862	TRUE	2.82E-54
FEV1	ACP2	rs145363919	T	C	0.202	0.028	0.025	5.24E-13	-0.020	0.007	0.003	0.002	52.108	TRUE	8.35E-10
FEV1	ACP2	rs146218162	G	A	-0.251	0.035	0.016	7.49E-13	0.001	0.009	0.883	0.002	51.409	TRUE	6.89E-12
FEV1	ACP2	rs147157127	T	C	0.224	0.037	0.017	1.14E-09	0.010	0.008	0.222	0.001	37.074	TRUE	3.27E-08
FEV1	ACP2	rs181443960	T	C	-0.457	0.019	0.049	1.35E-122	-0.005	0.006	0.419	0.017	554.428	TRUE	6.06E-111

FEV1	ACP2	rs184907858	G	A	-0.105	0.014	0.089	9.18E-14	-0.002	0.004	0.562	0.002	55.531	TRUE	2.29E-12
FEV1	ACP2	rs185988863	C	T	-0.278	0.021	0.053	2.44E-39	0.000	0.026	0.995	0.005	172.198	TRUE	1.68E-36
FEV1	ACP2	rs188486446	A	G	-0.327	0.053	0.018	4.52E-10	0.020	0.016	0.222	0.001	38.870	TRUE	1.43E-08
FEV1	ACP2	rs34177812	C	T	0.157	0.009	0.282	1.84E-70	-0.003	0.003	0.268	0.010	314.916	TRUE	5.60E-63
FEV1	ACP2	rs34874765	A	G	-0.406	0.032	0.020	1.30E-37	0.020	0.008	0.008	0.005	164.291	TRUE	3.62E-31
FEV1	ACP2	rs35705366	A	T	0.211	0.018	0.065	2.22E-32	0.001	0.005	0.870	0.004	140.348	TRUE	7.25E-30
FEV1	ACP2	rs4603265	T	C	-0.444	0.011	0.146	0.00E+00	0.012	0.003	3.73E-04	0.049	1617.958	TRUE	1.82E-306
FEV1	ACP2	rs4647728	A	G	0.192	0.025	0.033	1.29E-14	0.001	0.006	0.881	0.002	59.388	TRUE	1.61E-13
FEV1	ACP2	rs55944135	A	G	0.216	0.017	0.068	3.85E-36	-0.003	0.004	0.547	0.005	157.559	TRUE	1.08E-32
FEV1	ACP2	rs55971594	A	G	0.236	0.025	0.035	6.07E-21	-0.005	0.005	0.318	0.003	88.144	TRUE	1.91E-18
FEV1	ACP2	rs61704455	A	G	-0.106	0.018	0.055	2.08E-09	0.000	0.006	0.995	0.001	35.895	TRUE	8.11E-09
FEV1	ACP2	rs61884297	A	T	0.174	0.018	0.052	3.58E-22	-0.002	0.005	0.631	0.003	93.747	TRUE	4.08E-20
FEV1	ACP2	rs7114704	T	C	0.172	0.018	0.053	4.60E-21	0.001	0.005	0.880	0.003	88.693	TRUE	1.92E-19
FEV1	ACP2	rs7124681	A	C	0.210	0.008	0.401	2.02E-149	-0.008	0.002	3.56E-04	0.021	677.747	TRUE	1.59E-127
FEV1	ACP2	rs7125432	C	T	0.180	0.025	0.033	6.67E-13	-0.016	0.007	0.024	0.002	51.636	TRUE	2.89E-10
FEV1	ACP2	rs72910026	A	G	0.170	0.024	0.029	2.78E-12	0.006	0.006	0.348	0.002	48.835	TRUE	9.99E-11
FEV1	ACP2	rs749067	C	T	0.234	0.008	0.368	1.19E-180	-0.001	0.002	0.746	0.025	821.371	TRUE	4.80E-165
FEV1	ACP2	rs75159144	C	T	0.150	0.022	0.040	9.75E-12	0.007	0.006	0.256	0.001	46.376	TRUE	4.21E-10
FEV1	ACP2	rs75352463	C	T	-0.695	0.029	0.025	9.06E-127	0.000	0.009	0.970	0.018	573.604	TRUE	8.09E-117
FEV1	ACP2	rs7948398	G	A	0.140	0.024	0.030	9.06E-09	0.000	0.006	0.993	0.001	33.031	TRUE	3.26E-08
FEV1	ACP2	rs901750	G	A	0.270	0.008	0.425	7.33E-255	0.002	0.002	0.379	0.035	1162.750	TRUE	5.43E-230
FEV1	ACSF2	rs111454069	T	C	-0.109	0.017	0.059	2.38E-10	-0.005	0.005	0.268	0.001	40.125	TRUE	6.75E-09
FEV1	ACSF2	rs113636322	T	C	0.075	0.014	0.100	2.73E-08	0.004	0.004	0.260	0.001	30.892	TRUE	4.46E-07
FEV1	ACSF2	rs117311956	C	T	-0.381	0.060	0.013	2.36E-10	-0.005	0.011	0.646	0.001	40.140	TRUE	2.32E-09
FEV1	ACSF2	rs17776853	G	A	-0.118	0.010	0.184	1.99E-30	-0.001	0.003	0.716	0.004	131.423	TRUE	8.21E-28
FEV1	ACSF2	rs2079270	T	C	-0.050	0.008	0.440	4.08E-10	0.002	0.002	0.480	0.001	39.070	TRUE	5.76E-09
FEV1	ACSF2	rs2412315	A	G	0.087	0.011	0.150	7.90E-15	-0.001	0.004	0.817	0.002	60.356	TRUE	1.19E-13
FEV1	ACSF2	rs55772291	A	G	-0.216	0.014	0.100	2.16E-56	-0.001	0.004	0.887	0.008	250.353	TRUE	5.17E-52
FEV1	ACSF2	rs62059698	G	A	0.077	0.010	0.185	5.69E-14	0.003	0.003	0.387	0.002	56.471	TRUE	2.64E-12
FEV1	ACSF2	rs77582421	C	A	0.201	0.023	0.040	2.44E-18	-0.015	0.007	0.027	0.002	76.292	TRUE	6.01E-15
FEV1	ACSF2	rs8065691	T	C	0.055	0.009	0.481	2.95E-10	-0.008	0.002	5.45E-04	0.001	39.705	TRUE	3.02E-07
FEV1	ACSF2	rs873839	A	G	-0.120	0.010	0.220	1.10E-35	0.006	0.003	0.025	0.005	155.470	TRUE	4.65E-30
FEV1	ACSF2	rs9903959	A	G	-0.085	0.008	0.506	7.39E-27	0.012	0.002	3.54E-07	0.004	115.117	TRUE	4.65E-19
FEV1	AP1G1	rs117376038	T	C	-0.206	0.036	0.015	6.55E-09	0.003	0.010	0.753	0.001	33.664	TRUE	3.84E-08
FEV1	AP1G1	rs12920844	A	G	-0.050	0.008	0.384	8.13E-10	-0.008	0.002	0.001	0.001	37.727	TRUE	5.18E-07
FEV1	AP1G1	rs2434885	T	C	0.071	0.010	0.207	8.97E-13	0.005	0.003	0.068	0.002	51.054	TRUE	1.87E-10
FEV1	AP1G1	rs34731378	T	C	-0.099	0.009	0.275	1.68E-28	-0.010	0.003	8.04E-05	0.004	122.626	TRUE	8.81E-22
FEV1	AP1G1	rs76621365	A	C	0.163	0.015	0.077	1.83E-27	0.001	0.004	0.824	0.004	117.889	TRUE	2.80E-25
FEV1	AP1G1	rs79469260	A	G	-0.099	0.016	0.067	1.63E-09	-0.004	0.005	0.422	0.001	36.368	TRUE	2.31E-08
FEV1	AP1G1	rs9928317	T	G	0.050	0.008	0.494	2.50E-10	0.000	0.002	0.851	0.001	40.028	TRUE	1.52E-09
FEV1	AP1S3	rs10209883	A	G	0.057	0.009	0.250	8.87E-10	0.000	0.003	0.995	0.001	37.557	TRUE	3.68E-09
FEV1	AP1S3	rs116000059	A	C	0.151	0.027	0.025	1.59E-08	-0.004	0.006	0.504	0.001	31.941	TRUE	1.45E-07

FEV1	AP1S3	rs116476702	T	C	0.237	0.042	0.024	1.93E-08	-0.009	0.008	0.296	0.001	31.567	TRUE	3.00E-07
FEV1	AP1S3	rs13001654	T	C	-0.084	0.012	0.117	1.10E-11	0.006	0.004	0.104	0.001	46.139	TRUE	1.09E-09
FEV1	AP1S3	rs17182821	A	G	0.074	0.010	0.199	1.10E-13	0.000	0.003	0.920	0.002	55.169	TRUE	1.09E-12
FEV1	AP1S3	rs4435445	A	G	0.077	0.011	0.172	4.23E-13	-0.007	0.003	0.015	0.002	52.531	TRUE	2.85E-10
FEV1	AP1S3	rs6436440	A	G	0.183	0.008	0.477	2.85E-119	-0.005	0.002	0.037	0.017	539.142	TRUE	1.61E-104
FEV1	AP1S3	rs7606306	T	C	-0.057	0.008	0.363	6.60E-12	0.002	0.003	0.503	0.001	47.139	TRUE	1.24E-10
FEV1	AP1S3	rs79305596	T	C	-0.099	0.014	0.088	2.75E-12	-0.002	0.004	0.640	0.002	48.854	TRUE	4.07E-11
FEV1	AP4E1	rs10519251	A	G	0.106	0.019	0.117	1.17E-08	0.002	0.004	0.580	0.001	32.529	TRUE	9.19E-08
FEV1	AP4E1	rs111828788	A	G	-0.258	0.029	0.037	1.06E-18	-0.009	0.013	0.494	0.002	77.936	TRUE	9.60E-17
FEV1	AP4E1	rs117170261	A	G	-0.274	0.021	0.042	6.51E-39	-0.015	0.007	0.027	0.005	170.245	TRUE	6.41E-33
FEV1	AP4E1	rs117817961	T	C	0.290	0.024	0.030	2.25E-32	-0.003	0.007	0.630	0.004	140.328	TRUE	1.99E-29
FEV1	AP4E1	rs118137996	C	A	0.375	0.031	0.019	3.65E-33	0.031	0.010	0.002	0.005	143.939	TRUE	1.19E-26
FEV1	AP4E1	rs118168098	A	G	0.204	0.037	0.015	3.58E-08	-0.014	0.011	0.215	0.001	30.363	TRUE	6.77E-07
FEV1	AP4E1	rs12441734	C	T	0.320	0.008	0.303	0.00E+00	0.010	0.003	3.36E-05	0.043	1426.376	TRUE	8.93E-268
FEV1	AP4E1	rs12905605	A	G	0.068	0.009	0.238	2.94E-13	0.002	0.003	0.387	0.002	53.246	TRUE	1.19E-11
FEV1	AP4E1	rs12907250	G	A	-0.078	0.009	0.278	3.00E-18	0.001	0.003	0.805	0.002	75.887	TRUE	9.42E-17
FEV1	AP4E1	rs1365504	G	A	-0.052	0.009	0.436	9.06E-10	0.004	0.002	0.130	0.001	37.516	TRUE	4.05E-08
FEV1	AP4E1	rs139941060	T	C	0.384	0.045	0.014	1.18E-17	0.019	0.010	0.054	0.002	73.173	TRUE	1.25E-14
FEV1	AP4E1	rs141272690	C	T	0.578	0.020	0.041	4.64E-185	0.006	0.006	0.356	0.026	841.645	TRUE	4.33E-167
FEV1	AP4E1	rs145988487	T	C	0.363	0.030	0.022	5.21E-33	-0.005	0.009	0.616	0.005	143.229	TRUE	5.59E-30
FEV1	AP4E1	rs146798115	A	C	0.337	0.047	0.023	1.17E-12	0.039	0.014	0.005	0.002	50.526	TRUE	1.16E-09
FEV1	AP4E1	rs148471303	A	G	-0.175	0.031	0.020	1.59E-08	-0.005	0.008	0.564	0.001	31.941	TRUE	1.27E-07
FEV1	AP4E1	rs17599340	C	T	-0.235	0.010	0.191	2.73E-120	-0.009	0.003	0.002	0.017	543.819	TRUE	6.11E-103
FEV1	AP4E1	rs17602686	C	A	0.100	0.011	0.182	2.91E-21	0.000	0.003	0.930	0.003	89.600	TRUE	1.08E-19
FEV1	AP4E1	rs188643091	A	C	-0.215	0.031	0.031	4.63E-12	-0.026	0.013	0.042	0.002	47.833	TRUE	1.02E-09
FEV1	AP4E1	rs190429812	A	G	0.256	0.042	0.017	9.68E-10	0.020	0.013	0.114	0.001	37.386	TRUE	4.87E-08
FEV1	AP4E1	rs192643601	C	T	0.258	0.030	0.026	2.31E-17	-0.008	0.010	0.463	0.002	71.855	TRUE	1.77E-15
FEV1	AP4E1	rs2070595	T	G	0.079	0.008	0.356	2.48E-21	-0.001	0.002	0.656	0.003	89.918	TRUE	2.27E-19
FEV1	AP4E1	rs2168623	G	A	-0.069	0.011	0.155	3.29E-10	-0.006	0.004	0.085	0.001	39.491	TRUE	2.36E-08
FEV1	AP4E1	rs2445743	A	G	0.066	0.009	0.239	1.29E-12	0.007	0.003	0.011	0.002	50.336	TRUE	8.21E-10
FEV1	AP4E1	rs2445772	C	G	-0.090	0.008	0.354	3.80E-26	-0.015	0.003	1.46E-09	0.004	111.870	TRUE	1.63E-17
FEV1	AP4E1	rs2663533	C	T	0.265	0.008	0.463	2.16E-250	0.007	0.002	0.003	0.035	1142.185	TRUE	2.54E-218
FEV1	AP4E1	rs28469604	G	A	0.232	0.022	0.033	1.89E-25	-0.004	0.007	0.580	0.003	108.687	TRUE	5.04E-23
FEV1	AP4E1	rs28582911	A	G	0.179	0.008	0.418	3.55E-110	0.000	0.002	0.929	0.015	497.339	TRUE	1.70E-101
FEV1	AP4E1	rs34450781	A	G	0.279	0.018	0.062	5.32E-56	0.010	0.005	0.024	0.008	248.558	TRUE	6.53E-48
FEV1	AP4E1	rs3784308	G	A	-0.102	0.016	0.065	2.70E-10	0.001	0.006	0.867	0.001	39.879	TRUE	1.64E-09
FEV1	AP4E1	rs4775935	T	G	0.146	0.008	0.342	2.92E-68	0.012	0.002	1.70E-06	0.010	304.810	TRUE	5.55E-54
FEV1	AP4E1	rs55972942	C	T	0.051	0.008	0.341	1.48E-09	-0.005	0.003	0.067	0.001	36.562	TRUE	9.73E-08
FEV1	AP4E1	rs61658808	T	C	0.211	0.032	0.020	3.10E-11	0.022	0.013	0.084	0.001	44.111	TRUE	3.12E-09
FEV1	AP4E1	rs62015119	G	A	-0.067	0.012	0.128	3.47E-08	-0.005	0.004	0.201	0.001	30.422	TRUE	6.96E-07
FEV1	AP4E1	rs62018073	G	A	-0.061	0.008	0.341	3.04E-13	-0.002	0.003	0.366	0.002	53.179	TRUE	1.21E-11
FEV1	AP4E1	rs62018850	A	G	-0.261	0.018	0.055	5.82E-50	-0.020	0.005	5.43E-05	0.007	220.866	TRUE	8.74E-40

FEV1	AP4E1	rs72727133	T	C	-0.179	0.012	0.125	9.21E-50	-0.001	0.004	0.778	0.007	219.950	TRUE	1.15E-45
FEV1	AP4E1	rs72729205	A	C	-0.088	0.014	0.092	3.04E-10	0.005	0.004	0.265	0.001	39.645	TRUE	8.67E-09
FEV1	AP4E1	rs77881255	T	C	0.264	0.023	0.034	6.91E-30	0.006	0.007	0.352	0.004	128.955	TRUE	1.42E-26
FEV1	AP4E1	rs79106052	G	T	-0.169	0.019	0.050	2.94E-19	0.007	0.006	0.227	0.003	80.474	TRUE	1.00E-16
FEV1	AP4E1	rs79469565	T	C	0.191	0.015	0.084	2.32E-39	0.003	0.004	0.479	0.005	172.291	TRUE	1.82E-35
FEV1	AP4E1	rs80209514	C	T	-0.105	0.018	0.054	3.56E-09	-0.002	0.005	0.730	0.001	34.848	TRUE	2.28E-08
FEV1	AP4E1	rs874941	C	T	0.103	0.008	0.321	8.24E-34	0.002	0.003	0.393	0.005	146.895	TRUE	2.95E-30
FEV1	AP4E1	rs9635336	G	A	0.061	0.009	0.307	6.62E-12	-0.006	0.003	0.014	0.001	47.134	TRUE	2.67E-09
FEV1	AP4S1	rs7149411	C	G	0.095	0.010	0.267	6.49E-21	0.006	0.003	0.024	0.003	88.012	TRUE	4.04E-17
FEV1	ARF1	rs1188975	T	C	0.097	0.014	0.094	1.85E-12	-0.012	0.004	0.004	0.002	49.632	TRUE	1.90E-09
FEV1	ARF1	rs964941	G	A	0.058	0.008	0.468	3.87E-13	-0.008	0.002	3.36E-04	0.002	52.704	TRUE	2.01E-09
FEV1	ARRB2	rs111799880	G	T	-0.369	0.036	0.015	4.06E-24	-0.001	0.008	0.955	0.003	102.614	TRUE	2.27E-22
FEV1	ARRB2	rs11568110	T	C	0.395	0.030	0.025	1.40E-39	-0.008	0.008	0.307	0.005	173.306	TRUE	3.25E-35
FEV1	ARRB2	rs11650301	G	T	-0.105	0.009	0.337	8.35E-35	-0.003	0.002	0.165	0.005	151.444	TRUE	2.28E-30
FEV1	ARRB2	rs11657711	T	C	-0.112	0.017	0.064	2.15E-11	0.002	0.004	0.637	0.001	44.826	TRUE	2.77E-10
FEV1	ARRB2	rs117945224	A	G	-0.120	0.016	0.092	1.57E-14	0.002	0.004	0.683	0.002	59.000	TRUE	3.36E-13
FEV1	ARRB2	rs12451546	T	C	-0.102	0.017	0.077	9.32E-10	0.001	0.005	0.927	0.001	37.459	TRUE	4.54E-09
FEV1	ARRB2	rs146174946	A	C	0.457	0.030	0.022	3.02E-51	0.005	0.009	0.524	0.007	226.753	TRUE	2.01E-46
FEV1	ARRB2	rs151021726	A	G	0.261	0.042	0.018	5.56E-10	0.001	0.008	0.871	0.001	38.467	TRUE	3.13E-09
FEV1	ARRB2	rs188900185	T	C	0.370	0.037	0.022	2.02E-23	0.003	0.008	0.743	0.003	99.438	TRUE	1.98E-21
FEV1	ARRB2	rs1986349	A	G	0.164	0.008	0.454	3.63E-91	0.001	0.002	0.669	0.013	409.994	TRUE	2.66E-83
FEV1	ARRB2	rs2255888	C	T	0.423	0.009	0.238	0.00E+00	0.005	0.003	0.043	0.063	2122.388	TRUE	0.00E+00
FEV1	ARRB2	rs2304969	T	G	-0.065	0.011	0.159	8.28E-09	0.001	0.003	0.881	0.001	33.205	TRUE	3.69E-08
FEV1	ARRB2	rs2304973	A	G	-0.129	0.015	0.081	3.23E-18	-0.004	0.004	0.362	0.002	75.737	TRUE	4.38E-16
FEV1	ARRB2	rs2586527	G	A	-0.064	0.010	0.213	6.84E-11	0.002	0.003	0.492	0.001	42.563	TRUE	1.10E-09
FEV1	ARRB2	rs34104097	T	C	-0.268	0.042	0.025	1.92E-10	-0.014	0.013	0.273	0.001	40.549	TRUE	5.57E-09
FEV1	ARRB2	rs34994526	G	A	-0.076	0.009	0.294	5.85E-17	-0.004	0.003	0.180	0.002	70.022	TRUE	1.50E-14
FEV1	ARRB2	rs35542199	G	A	-0.173	0.031	0.022	3.37E-08	0.005	0.008	0.485	0.001	30.479	TRUE	2.96E-07
FEV1	ARRB2	rs4790656	T	C	-0.070	0.013	0.133	2.69E-08	-0.003	0.003	0.323	0.001	30.914	TRUE	3.77E-07
FEV1	ARRB2	rs4790693	T	C	-0.135	0.014	0.102	3.34E-23	0.000	0.004	0.929	0.003	98.439	TRUE	1.67E-21
FEV1	ARRB2	rs4790694	A	C	-0.232	0.012	0.143	3.63E-83	-0.001	0.003	0.712	0.012	373.246	TRUE	4.40E-76
FEV1	ARRB2	rs4790702	G	A	-0.087	0.008	0.468	7.41E-27	-0.001	0.002	0.601	0.004	115.113	TRUE	2.43E-24
FEV1	ARRB2	rs55670980	T	C	0.194	0.020	0.060	1.06E-21	0.012	0.005	0.016	0.003	91.587	TRUE	1.23E-17
FEV1	ARRB2	rs56271859	A	G	-0.149	0.009	0.317	1.32E-64	0.000	0.003	0.902	0.009	288.032	TRUE	1.35E-59
FEV1	ARRB2	rs56376949	T	G	0.600	0.041	0.017	1.99E-47	0.003	0.010	0.794	0.007	209.246	TRUE	1.48E-43
FEV1	ARRB2	rs58209386	T	C	-0.082	0.014	0.104	1.03E-08	-0.006	0.004	0.120	0.001	32.790	TRUE	3.45E-07
FEV1	ARRB2	rs7215121	A	G	-0.061	0.010	0.384	1.61E-09	0.002	0.002	0.334	0.001	36.390	TRUE	2.92E-08
FEV1	ARRB2	rs7218698	G	T	0.142	0.009	0.340	1.78E-62	0.006	0.003	0.015	0.009	278.264	TRUE	2.10E-53
FEV1	ARRB2	rs74574706	T	C	0.111	0.014	0.097	4.83E-16	0.009	0.004	0.022	0.002	65.859	TRUE	6.67E-13
FEV1	ARRB2	rs76960659	A	G	-0.161	0.025	0.034	1.51E-10	-0.011	0.006	0.052	0.001	41.014	TRUE	1.74E-08
FEV1	ARRB2	rs77627231	T	C	-0.099	0.011	0.180	7.08E-21	0.000	0.003	0.956	0.003	87.840	TRUE	2.25E-19
FEV1	ARRB2	rs8076142	C	T	0.204	0.011	0.179	3.74E-73	0.001	0.003	0.658	0.010	327.270	TRUE	8.98E-67

FEV1	ARRB2	rs8077825	G	A	-0.064	0.012	0.139	4.73E-08	-0.002	0.003	0.567	0.001	29.823	TRUE	3.32E-07
FEV1	ARRB2	rs9894403	A	G	-0.151	0.014	0.105	7.21E-28	0.003	0.004	0.367	0.004	119.734	TRUE	8.18E-25
FEV1	ASAH1	rs10503644	A	G	0.327	0.008	0.455	0.00E+00	-0.004	0.002	0.112	0.053	1768.340	TRUE	0.00E+00
FEV1	ASAH1	rs11203936	G	A	-0.078	0.009	0.296	3.40E-19	-0.001	0.003	0.690	0.003	80.187	TRUE	1.71E-17
FEV1	ASAH1	rs112393816	G	A	-0.144	0.019	0.052	4.77E-14	-0.003	0.006	0.694	0.002	56.818	TRUE	8.81E-13
FEV1	ASAH1	rs112686215	A	G	-0.239	0.030	0.020	4.45E-15	0.009	0.008	0.236	0.002	61.487	TRUE	4.97E-13
FEV1	ASAH1	rs114187511	C	T	0.157	0.023	0.032	6.94E-12	0.009	0.007	0.179	0.001	47.040	TRUE	4.56E-10
FEV1	ASAH1	rs116993539	A	G	-0.183	0.023	0.036	6.23E-16	-0.016	0.007	0.016	0.002	65.360	TRUE	9.85E-13
FEV1	ASAH1	rs117026820	C	T	0.095	0.017	0.060	2.81E-08	-0.004	0.005	0.399	0.001	30.834	TRUE	3.11E-07
FEV1	ASAH1	rs11787012	C	T	-0.200	0.025	0.028	1.43E-15	0.011	0.007	0.121	0.002	63.718	TRUE	3.78E-13
FEV1	ASAH1	rs118003188	C	T	-0.154	0.027	0.023	1.59E-08	0.001	0.008	0.893	0.001	31.941	TRUE	6.60E-08
FEV1	ASAH1	rs12545528	T	G	0.072	0.008	0.402	5.80E-19	0.000	0.002	0.872	0.002	79.130	TRUE	1.68E-17
FEV1	ASAH1	rs13248171	A	G	-0.323	0.028	0.026	7.89E-30	-0.006	0.007	0.403	0.004	128.693	TRUE	1.22E-26
FEV1	ASAH1	rs13270851	A	C	0.162	0.017	0.055	1.55E-20	0.002	0.005	0.676	0.003	86.284	TRUE	1.12E-18
FEV1	ASAH1	rs13278381	A	G	0.428	0.008	0.379	0.00E+00	-0.005	0.002	0.025	0.086	2971.983	TRUE	0.00E+00
FEV1	ASAH1	rs13282340	C	T	-0.076	0.011	0.189	6.75E-12	-0.004	0.004	0.236	0.001	47.095	TRUE	3.40E-10
FEV1	ASAH1	rs1353037	C	T	0.066	0.010	0.218	5.45E-11	0.001	0.003	0.812	0.001	43.004	TRUE	4.22E-10
FEV1	ASAH1	rs138225715	T	C	-0.231	0.032	0.020	2.22E-13	-0.002	0.008	0.786	0.002	53.793	TRUE	2.86E-12
FEV1	ASAH1	rs138892153	G	T	0.156	0.028	0.021	2.14E-08	-0.001	0.008	0.940	0.001	31.360	TRUE	7.96E-08
FEV1	ASAH1	rs139094450	A	G	0.336	0.040	0.015	2.71E-17	0.005	0.011	0.630	0.002	71.543	TRUE	1.16E-15
FEV1	ASAH1	rs140019911	C	T	0.227	0.037	0.017	1.36E-09	0.008	0.009	0.355	0.001	36.717	TRUE	2.38E-08
FEV1	ASAH1	rs140852838	A	G	0.365	0.029	0.023	1.87E-36	-0.004	0.010	0.716	0.005	158.987	TRUE	2.53E-33
FEV1	ASAH1	rs144123383	A	G	0.392	0.031	0.021	1.18E-36	-0.009	0.009	0.301	0.005	159.906	TRUE	1.47E-32
FEV1	ASAH1	rs147915438	A	G	-0.303	0.029	0.026	5.03E-26	-0.005	0.008	0.541	0.004	111.317	TRUE	1.82E-23
FEV1	ASAH1	rs1493042	A	C	0.102	0.010	0.193	4.90E-24	0.001	0.003	0.773	0.003	102.243	TRUE	5.07E-22
FEV1	ASAH1	rs17467420	T	G	-0.303	0.022	0.040	2.56E-43	0.006	0.006	0.272	0.006	190.417	TRUE	1.80E-38
FEV1	ASAH1	rs17515264	C	T	-0.343	0.013	0.108	2.06E-161	0.001	0.004	0.804	0.023	732.883	TRUE	8.16E-148
FEV1	ASAH1	rs17517068	G	A	0.105	0.019	0.047	2.97E-08	0.002	0.005	0.739	0.001	30.725	TRUE	1.58E-07
FEV1	ASAH1	rs17592494	G	A	0.401	0.019	0.047	2.93E-102	-0.008	0.005	0.127	0.014	460.957	TRUE	9.63E-91
FEV1	ASAH1	rs185743521	A	G	-0.401	0.054	0.016	1.38E-13	0.012	0.008	0.134	0.002	54.733	TRUE	1.91E-11
FEV1	ASAH1	rs191912559	A	G	-0.193	0.031	0.021	5.92E-10	-0.011	0.009	0.190	0.001	38.346	TRUE	2.11E-08
FEV1	ASAH1	rs1968042	C	T	0.181	0.010	0.275	4.80E-80	-0.001	0.003	0.844	0.011	358.915	TRUE	1.38E-73
FEV1	ASAH1	rs209977	G	A	0.173	0.028	0.027	3.68E-10	0.002	0.007	0.767	0.001	39.275	TRUE	2.68E-09
FEV1	ASAH1	rs2410477	G	A	0.068	0.009	0.297	6.35E-15	-0.001	0.003	0.760	0.002	60.786	TRUE	1.18E-13
FEV1	ASAH1	rs2517215	C	T	0.050	0.008	0.342	1.83E-09	-0.003	0.003	0.199	0.001	36.149	TRUE	5.34E-08
FEV1	ASAH1	rs28383681	G	A	0.169	0.029	0.020	6.09E-09	-0.007	0.009	0.463	0.001	33.803	TRUE	6.78E-08
FEV1	ASAH1	rs2904725	C	A	0.075	0.011	0.450	5.08E-12	0.001	0.003	0.846	0.002	47.651	TRUE	4.37E-11
FEV1	ASAH1	rs2979775	G	A	0.050	0.009	0.300	2.29E-08	0.001	0.003	0.603	0.001	31.233	TRUE	1.62E-07
FEV1	ASAH1	rs2979776	A	C	0.088	0.008	0.480	1.34E-28	0.000	0.002	0.897	0.004	123.078	TRUE	2.01E-26
FEV1	ASAH1	rs34771733	C	A	-0.225	0.024	0.035	1.02E-20	-0.009	0.006	0.110	0.003	87.115	TRUE	1.22E-17
FEV1	ASAH1	rs366298	T	C	0.086	0.015	0.077	6.44E-09	0.001	0.005	0.773	0.001	33.696	TRUE	3.62E-08
FEV1	ASAH1	rs3850743	G	A	-0.241	0.027	0.029	1.06E-19	0.001	0.006	0.927	0.003	82.482	TRUE	2.98E-18

FEV1	ASAH1	rs441517	A	G	0.222	0.009	0.294	1.97E-146	-0.008	0.003	0.004	0.021	664.002	TRUE	1.61E-126
FEV1	ASAH1	rs4921565	C	G	-0.282	0.038	0.079	1.83E-13	-0.006	0.015	0.694	0.002	54.178	TRUE	3.02E-12
FEV1	ASAH1	rs4921581	A	G	0.132	0.008	0.333	1.07E-54	-0.003	0.003	0.268	0.008	242.583	TRUE	1.00E-48
FEV1	ASAH1	rs55831225	A	G	0.448	0.022	0.035	1.89E-89	0.004	0.006	0.530	0.013	402.115	TRUE	3.07E-81
FEV1	ASAH1	rs58577175	A	G	-0.146	0.019	0.046	1.26E-14	-0.002	0.006	0.736	0.002	59.437	TRUE	2.33E-13
FEV1	ASAH1	rs60429850	T	A	0.232	0.014	0.086	2.34E-60	-0.004	0.004	0.330	0.008	268.542	TRUE	4.21E-54
FEV1	ASAH1	rs62493051	T	G	0.119	0.019	0.051	1.64E-10	-0.001	0.005	0.827	0.001	40.857	TRUE	1.11E-09
FEV1	ASAH1	rs62498240	A	G	0.461	0.032	0.018	4.30E-47	-0.015	0.009	0.086	0.007	207.715	TRUE	6.61E-41
FEV1	ASAH1	rs62498369	C	G	0.127	0.010	0.197	7.42E-37	-0.004	0.003	0.138	0.005	160.829	TRUE	4.11E-32
FEV1	ASAH1	rs71526156	C	T	0.166	0.020	0.042	1.01E-16	-0.010	0.006	0.072	0.002	68.945	TRUE	6.18E-14
FEV1	ASAH1	rs73666603	C	T	0.187	0.024	0.029	1.67E-14	-0.002	0.008	0.773	0.002	58.884	TRUE	2.75E-13
FEV1	ASAH1	rs73666900	T	C	-0.199	0.033	0.017	1.90E-09	-0.017	0.008	0.044	0.001	36.072	TRUE	1.65E-07
FEV1	ASAH1	rs76745328	C	A	-0.301	0.029	0.025	6.93E-26	0.003	0.007	0.678	0.003	110.680	TRUE	1.37E-23
FEV1	ASAH1	rs77230387	A	C	0.352	0.028	0.022	4.09E-35	0.000	0.007	0.974	0.005	152.859	TRUE	1.43E-32
FEV1	ASAH1	rs77940935	T	C	0.176	0.024	0.032	1.12E-13	0.002	0.007	0.800	0.002	55.142	TRUE	1.45E-12
FEV1	ASAH1	rs77947374	T	C	0.351	0.021	0.037	3.39E-62	-0.009	0.006	0.141	0.009	276.979	TRUE	7.59E-55
FEV1	ASAH1	rs7818834	C	T	0.044	0.008	0.407	3.95E-08	0.000	0.002	0.980	0.001	30.173	TRUE	1.32E-07
FEV1	ASAH1	rs78337862	A	G	-0.322	0.019	0.049	7.23E-62	0.018	0.005	3.28E-04	0.009	275.469	TRUE	1.10E-50
FEV1	ASAH1	rs971473	T	C	0.156	0.023	0.031	1.07E-11	-0.001	0.008	0.855	0.001	46.202	TRUE	8.54E-11
FEV1	ATG5	rs74525730	C	T	-0.082	0.014	0.092	2.64E-09	-0.009	0.004	0.027	0.001	35.434	TRUE	2.85E-07
FEV1	ATP2A1	rs4149382	G	A	-0.064	0.011	0.292	7.79E-09	-0.001	0.003	0.761	0.001	33.326	TRUE	4.53E-08
FEV1	ATP2A1	rs4788101	T	C	0.090	0.008	0.385	3.74E-28	-0.013	0.002	4.31E-08	0.004	121.037	TRUE	7.01E-20
FEV1	ATP2A1	rs74974765	A	G	0.136	0.024	0.055	1.31E-08	-0.011	0.005	0.032	0.001	32.317	TRUE	1.03E-06
FEV1	ATP6V0D1	rs116008080	A	G	-0.177	0.031	0.022	7.17E-09	0.003	0.008	0.680	0.001	33.487	TRUE	4.81E-08
FEV1	ATP6V0D1	rs117499742	A	G	-0.190	0.028	0.025	2.59E-11	0.002	0.007	0.816	0.001	44.465	TRUE	2.10E-10
FEV1	ATP6V0D1	rs117946183	G	A	-0.608	0.027	0.025	3.62E-114	0.011	0.008	0.160	0.016	515.683	TRUE	8.72E-102
FEV1	ATP6V0D1	rs118176502	T	C	0.090	0.016	0.081	1.36E-08	0.001	0.004	0.821	0.001	32.242	TRUE	6.58E-08
FEV1	ATP6V0D1	rs140975074	A	G	-0.342	0.048	0.021	1.19E-12	-0.016	0.018	0.369	0.002	50.500	TRUE	4.26E-11
FEV1	ATP6V0D1	rs142834247	A	G	-0.293	0.045	0.015	9.27E-11	0.003	0.009	0.714	0.001	41.967	TRUE	8.55E-10
FEV1	ATP6V0D1	rs28711261	G	A	-0.377	0.012	0.124	1.83E-218	0.001	0.004	0.721	0.030	995.300	TRUE	2.75E-199
FEV1	ATP6V0D1	rs3848284	G	C	-0.083	0.013	0.114	5.23E-11	-0.001	0.004	0.828	0.001	43.086	TRUE	3.81E-10
FEV1	ATP6V0D1	rs67483828	A	G	-0.966	0.023	0.030	0.00E+00	0.016	0.006	0.008	0.052	1746.050	TRUE	0.00E+00
FEV1	ATP6V0D1	rs7200919	A	G	-0.115	0.008	0.432	1.14E-46	0.006	0.002	0.018	0.006	205.779	TRUE	1.70E-39
FEV1	ATP6V0D1	rs75842420	A	G	-0.336	0.016	0.071	9.51E-96	0.012	0.005	0.008	0.013	431.043	TRUE	2.63E-82
FEV1	ATP6V0D1	rs7672	C	G	0.071	0.009	0.296	1.56E-15	0.006	0.003	0.021	0.002	63.549	TRUE	1.84E-12
FEV1	ATP6V0D1	rs8049470	T	C	-0.742	0.072	0.031	4.82E-25	-0.015	0.018	0.393	0.003	106.834	TRUE	2.66E-22
FEV1	ATP6V0D1	rs9940621	C	A	-0.080	0.008	0.417	5.01E-23	0.000	0.002	0.959	0.003	97.636	TRUE	2.19E-21
FEV1	ATP6V1C2	rs1734443	C	T	0.083	0.009	0.484	3.89E-21	0.008	0.002	4.72E-04	0.003	89.025	TRUE	4.50E-16
FEV1	ATP6V1C2	rs4668695	C	T	-0.058	0.009	0.390	8.52E-11	-0.006	0.002	0.011	0.001	42.133	TRUE	2.90E-08
FEV1	BAG3	rs11199047	C	T	0.070	0.013	0.113	2.86E-08	0.011	0.004	0.004	0.001	30.799	TRUE	5.35E-06
FEV1	BAG3	rs12570309	G	C	0.061	0.009	0.259	2.27E-11	-0.003	0.003	0.207	0.001	44.724	TRUE	1.10E-09
FEV1	BAG3	rs144745150	G	A	-0.143	0.024	0.032	1.28E-09	-0.003	0.006	0.671	0.001	36.838	TRUE	1.02E-08

FEV1	BAG3	rs188789342	T	C	-0.288	0.034	0.017	2.62E-17	0.005	0.008	0.543	0.002	71.605	TRUE	1.46E-15
FEV1	BAG3	rs196239	T	C	0.084	0.010	0.190	1.04E-16	0.001	0.003	0.711	0.002	68.880	TRUE	3.10E-15
FEV1	BAG3	rs196336	T	C	-0.167	0.008	0.378	3.91E-93	0.006	0.003	0.016	0.013	419.036	TRUE	1.37E-80
FEV1	BAG3	rs2475306	T	C	-0.077	0.008	0.323	1.40E-19	0.001	0.003	0.709	0.003	81.937	TRUE	7.17E-18
FEV1	BAG3	rs55942226	C	G	0.072	0.011	0.145	2.05E-10	-0.004	0.003	0.249	0.001	40.411	TRUE	6.40E-09
FEV1	BAG3	rs55980078	T	C	-0.252	0.016	0.069	4.32E-58	0.004	0.005	0.449	0.008	258.146	TRUE	1.83E-52
FEV1	BAG3	rs72828546	A	G	-0.170	0.024	0.030	2.22E-12	0.013	0.006	0.022	0.002	49.277	TRUE	8.55E-10
FEV1	BAG3	rs7478438	T	C	-0.067	0.009	0.257	1.67E-13	0.005	0.003	0.087	0.002	54.358	TRUE	3.34E-11
FEV1	BCL2L1	rs6088962	T	C	-0.074	0.010	0.212	3.99E-13	-0.011	0.003	1.46E-04	0.002	52.647	TRUE	2.89E-09
FEV1	BCL2L11	rs113135335	G	T	0.165	0.013	0.109	3.04E-38	-0.008	0.004	0.039	0.005	167.180	TRUE	1.51E-32
FEV1	BCL2L11	rs6734942	T	C	-0.086	0.008	0.367	1.24E-25	0.005	0.002	0.047	0.003	109.526	TRUE	1.63E-21
FEV1	BCL2L14	rs1008866	A	G	-0.051	0.009	0.255	1.93E-08	-0.007	0.003	0.005	0.001	31.558	TRUE	3.10E-06
FEV1	BCL2L14	rs11054679	T	C	0.063	0.008	0.367	3.59E-14	0.003	0.002	0.276	0.002	57.377	TRUE	2.64E-12
FEV1	BCL2L14	rs1641719	T	C	-0.059	0.009	0.252	1.27E-10	-0.004	0.003	0.154	0.001	41.353	TRUE	6.73E-09
FEV1	BCL2L14	rs2287154	T	C	0.227	0.009	0.267	9.44E-143	0.006	0.003	0.024	0.020	647.081	TRUE	4.33E-125
FEV1	BCL2L14	rs34206364	T	C	-0.088	0.012	0.116	1.32E-12	-0.003	0.004	0.452	0.002	50.299	TRUE	3.55E-11
FEV1	BCL2L14	rs73066074	C	T	-0.056	0.008	0.514	5.12E-12	-0.007	0.002	0.003	0.002	47.637	TRUE	5.56E-09
FEV1	BCL2L14	rs73066081	T	C	-0.092	0.011	0.150	3.08E-16	-0.001	0.003	0.658	0.002	66.745	TRUE	9.44E-15
FEV1	BCL2L14	rs76580236	A	T	0.076	0.012	0.124	9.33E-10	0.008	0.003	0.016	0.001	37.457	TRUE	1.66E-07
FEV1	BCL2L14	rs76710498	G	A	0.202	0.022	0.036	4.72E-20	0.017	0.006	0.003	0.003	84.087	TRUE	1.14E-15
FEV1	BCL2L14	rs885637	A	G	-0.067	0.009	0.301	1.07E-14	-0.004	0.003	0.079	0.002	59.762	TRUE	3.35E-12
FEV1	BNIP3	rs11146255	A	G	0.277	0.034	0.257	1.71E-16	0.002	0.003	0.563	0.002	67.906	TRUE	7.91E-15
FEV1	BNIP3	rs7077135	C	T	-0.130	0.017	0.245	2.46E-14	0.008	0.003	0.006	0.002	58.125	TRUE	4.58E-11
FEV1	BRSK2	rs11603658	C	T	-0.063	0.009	0.493	1.51E-11	0.005	0.002	0.026	0.001	45.524	TRUE	4.08E-09
FEV1	CAMKK2	rs10744750	T	C	-0.104	0.011	0.159	4.17E-21	0.006	0.003	0.053	0.003	88.886	TRUE	1.27E-17
FEV1	CAMKK2	rs10849820	T	A	-0.078	0.013	0.106	1.32E-09	-0.003	0.004	0.448	0.001	36.787	TRUE	1.78E-08
FEV1	CAMKK2	rs11043244	G	A	-0.067	0.009	0.575	6.09E-15	0.000	0.002	0.862	0.002	60.867	TRUE	8.62E-14
FEV1	CAMKK2	rs11043245	G	A	-0.089	0.016	0.068	3.34E-08	-0.008	0.006	0.158	0.001	30.497	TRUE	8.14E-07
FEV1	CAMKK2	rs11065424	A	T	-0.165	0.009	0.255	5.93E-73	0.003	0.003	0.264	0.010	326.353	TRUE	3.00E-65
FEV1	CAMKK2	rs11065519	C	T	0.200	0.011	0.329	3.77E-81	-0.004	0.003	0.115	0.011	363.981	TRUE	1.04E-71
FEV1	CAMKK2	rs112351334	T	C	-0.169	0.016	0.086	1.88E-26	-0.003	0.005	0.446	0.004	113.271	TRUE	1.08E-23
FEV1	CAMKK2	rs112456608	G	A	0.199	0.017	0.057	9.21E-31	0.010	0.005	0.053	0.004	132.956	TRUE	4.06E-26
FEV1	CAMKK2	rs112527491	A	G	0.123	0.017	0.073	1.91E-13	0.004	0.004	0.309	0.002	54.093	TRUE	1.05E-11
FEV1	CAMKK2	rs112558505	C	T	-0.294	0.024	0.029	1.76E-33	0.001	0.006	0.922	0.005	145.386	TRUE	5.77E-31
FEV1	CAMKK2	rs1136293	A	G	-0.246	0.014	0.090	1.19E-67	-0.003	0.004	0.491	0.009	302.002	TRUE	2.76E-61
FEV1	CAMKK2	rs114484676	T	C	0.205	0.030	0.023	1.44E-11	-0.008	0.008	0.295	0.001	45.608	TRUE	5.05E-10
FEV1	CAMKK2	rs11544961	T	C	0.136	0.018	0.055	1.31E-13	-0.006	0.005	0.241	0.002	54.840	TRUE	1.01E-11
FEV1	CAMKK2	rs11612328	A	G	0.107	0.012	0.122	3.05E-18	-0.008	0.004	0.020	0.002	75.849	TRUE	8.29E-15
FEV1	CAMKK2	rs11612976	C	T	0.311	0.034	0.018	5.53E-20	-0.004	0.010	0.664	0.003	83.776	TRUE	3.64E-18
FEV1	CAMKK2	rs116952507	T	C	-0.255	0.019	0.050	7.05E-42	0.000	0.006	0.941	0.006	183.824	TRUE	9.36E-39
FEV1	CAMKK2	rs117786959	A	G	0.278	0.050	0.013	2.89E-08	-0.019	0.012	0.113	0.001	30.776	TRUE	9.05E-07
FEV1	CAMKK2	rs117816983	G	A	-0.219	0.039	0.024	1.74E-08	0.008	0.007	0.252	0.001	31.765	TRUE	3.12E-07

FEV1	CAMKK2	rs1180017	T	C	-0.168	0.028	0.024	1.57E-09	0.005	0.008	0.574	0.001	36.446	TRUE	1.53E-08
FEV1	CAMKK2	rs12422700	C	T	-0.252	0.029	0.031	1.38E-18	0.011	0.006	0.063	0.002	77.414	TRUE	1.69E-15
FEV1	CAMKK2	rs12829218	G	A	0.248	0.021	0.042	1.65E-33	-0.002	0.006	0.677	0.005	145.517	TRUE	1.47E-30
FEV1	CAMKK2	rs139088741	T	C	-0.173	0.028	0.024	1.14E-09	-0.004	0.009	0.676	0.001	37.059	TRUE	9.15E-09
FEV1	CAMKK2	rs142506039	A	G	-0.119	0.020	0.056	5.46E-09	0.001	0.005	0.769	0.001	34.015	TRUE	3.08E-08
FEV1	CAMKK2	rs142632970	G	A	-0.088	0.009	0.356	9.13E-23	-0.003	0.003	0.317	0.003	96.450	TRUE	4.39E-20
FEV1	CAMKK2	rs143202096	C	T	-0.367	0.053	0.014	6.56E-12	-0.007	0.010	0.476	0.001	47.153	TRUE	1.40E-10
FEV1	CAMKK2	rs144159880	C	T	0.825	0.088	0.032	4.60E-21	0.024	0.021	0.251	0.003	88.693	TRUE	2.12E-18
FEV1	CAMKK2	rs147280511	T	C	0.314	0.043	0.017	2.30E-13	0.008	0.009	0.369	0.002	53.728	TRUE	9.72E-12
FEV1	CAMKK2	rs150201054	T	G	-0.263	0.030	0.022	2.95E-18	0.002	0.009	0.842	0.002	75.919	TRUE	8.19E-17
FEV1	CAMKK2	rs150742581	A	C	-0.217	0.025	0.029	8.77E-18	-0.011	0.009	0.192	0.002	73.767	TRUE	2.56E-15
FEV1	CAMKK2	rs1647254	A	G	0.099	0.014	0.136	4.40E-13	-0.004	0.003	0.288	0.002	52.452	TRUE	2.34E-11
FEV1	CAMKK2	rs1653608	A	G	0.417	0.031	0.017	6.83E-41	-0.004	0.009	0.626	0.006	179.307	TRUE	3.24E-37
FEV1	CAMKK2	rs1718118	G	A	0.558	0.018	0.061	1.57E-213	0.014	0.005	0.010	0.030	972.596	TRUE	5.34E-187
FEV1	CAMKK2	rs185265947	T	C	-0.087	0.011	0.145	1.69E-14	0.000	0.003	0.982	0.002	58.859	TRUE	1.65E-13
FEV1	CAMKK2	rs1916334	A	G	-0.087	0.010	0.214	9.81E-18	0.001	0.003	0.773	0.002	73.546	TRUE	3.14E-16
FEV1	CAMKK2	rs208296	A	G	0.337	0.008	0.306	0.00E+00	-0.005	0.003	0.065	0.048	1592.995	TRUE	0.00E+00
FEV1	CAMKK2	rs2393750	C	T	0.104	0.008	0.384	6.42E-37	0.004	0.002	0.097	0.005	161.117	TRUE	6.53E-32
FEV1	CAMKK2	rs25643	C	T	-0.291	0.008	0.459	2.46E-302	0.003	0.002	0.206	0.042	1390.396	TRUE	1.08E-272
FEV1	CAMKK2	rs2567984	G	A	0.126	0.008	0.373	2.11E-52	0.001	0.003	0.653	0.007	232.054	TRUE	8.22E-48
FEV1	CAMKK2	rs2686341	T	C	-0.379	0.008	0.471	0.00E+00	0.003	0.002	0.269	0.071	2425.393	TRUE	0.00E+00
FEV1	CAMKK2	rs2696029	T	C	0.068	0.010	0.195	1.10E-11	-0.007	0.003	0.010	0.001	46.139	TRUE	4.77E-09
FEV1	CAMKK2	rs2701192	G	A	-0.104	0.011	0.174	9.94E-23	-0.008	0.003	0.010	0.003	96.281	TRUE	2.30E-18
FEV1	CAMKK2	rs28565123	A	C	0.087	0.010	0.190	1.78E-17	0.001	0.003	0.649	0.002	72.368	TRUE	7.37E-16
FEV1	CAMKK2	rs2942071	T	C	0.077	0.011	0.220	1.53E-12	-0.001	0.003	0.860	0.002	50.001	TRUE	1.43E-11
FEV1	CAMKK2	rs4767919	G	A	-0.078	0.011	0.171	1.75E-13	0.005	0.003	0.115	0.002	54.266	TRUE	2.82E-11
FEV1	CAMKK2	rs487915	T	C	-0.141	0.019	0.052	2.09E-13	-0.001	0.005	0.876	0.002	53.919	TRUE	2.16E-12
FEV1	CAMKK2	rs4980985	C	T	-0.132	0.020	0.043	3.40E-11	-0.004	0.007	0.519	0.001	43.930	TRUE	5.53E-10
FEV1	CAMKK2	rs503720	A	G	0.176	0.008	0.323	6.00E-97	-0.004	0.003	0.144	0.014	436.557	TRUE	3.13E-86
FEV1	CAMKK2	rs59997381	C	T	0.292	0.033	0.026	1.65E-18	0.007	0.016	0.666	0.002	77.063	TRUE	8.05E-17
FEV1	CAMKK2	rs609394	A	G	0.229	0.011	0.147	1.88E-92	-0.009	0.003	0.007	0.013	415.892	TRUE	2.43E-79
FEV1	CAMKK2	rs73229934	T	C	0.154	0.026	0.031	2.58E-09	0.007	0.008	0.365	0.001	35.477	TRUE	4.06E-08
FEV1	CAMKK2	rs75268007	G	C	-0.309	0.012	0.126	9.68E-150	0.002	0.003	0.668	0.021	679.212	TRUE	1.27E-136
FEV1	CAMKK2	rs75650467	A	G	0.216	0.023	0.036	3.42E-20	0.011	0.006	0.075	0.003	84.723	TRUE	5.61E-17
FEV1	CAMKK2	rs75735117	C	T	0.256	0.025	0.031	3.80E-24	-0.006	0.006	0.295	0.003	102.744	TRUE	2.86E-21
FEV1	CAMKK2	rs76102919	C	T	-0.276	0.031	0.022	2.81E-19	-0.012	0.009	0.205	0.003	80.560	TRUE	1.10E-16
FEV1	CAMKK2	rs76678481	A	G	-0.286	0.023	0.033	6.32E-35	0.005	0.007	0.473	0.005	151.994	TRUE	1.98E-31
FEV1	CAMKK2	rs77288448	T	C	-0.065	0.011	0.147	6.85E-09	-0.009	0.003	0.005	0.001	33.576	TRUE	1.38E-06
FEV1	CAMKK2	rs78080032	C	T	-0.074	0.013	0.107	2.09E-08	0.010	0.004	0.005	0.001	31.412	TRUE	3.43E-06
FEV1	CAMKK2	rs78683412	A	G	0.233	0.027	0.025	5.79E-18	-0.004	0.008	0.606	0.002	74.586	TRUE	3.10E-16
FEV1	CAMKK2	rs7956286	A	G	-0.093	0.008	0.498	1.90E-28	-0.004	0.002	0.137	0.004	122.382	TRUE	1.22E-24
FEV1	CAMKK2	rs7958316	A	G	-0.201	0.031	0.020	6.53E-11	-0.008	0.008	0.362	0.001	42.651	TRUE	1.57E-09

FEV1	CAMKK2	rs80341247	A	G	0.430	0.015	0.076	5.04E-184	-0.008	0.004	0.039	0.026	836.878	TRUE	1.75E-162
FEV1	CAPN1	rs10896018	A	G	-0.057	0.009	0.272	1.37E-10	-0.007	0.003	0.012	0.001	41.209	TRUE	3.78E-08
FEV1	CAPN1	rs11227408	G	A	0.139	0.020	0.053	1.27E-12	0.006	0.005	0.225	0.002	50.370	TRUE	8.13E-11
FEV1	CAPN1	rs11231903	T	C	0.072	0.010	0.309	2.03E-13	-0.006	0.003	0.016	0.002	53.975	TRUE	1.36E-10
FEV1	CAPN1	rs11601539	C	A	0.328	0.021	0.045	2.05E-54	-0.006	0.005	0.240	0.008	241.284	TRUE	2.36E-48
FEV1	CAPN1	rs117048232	C	T	-0.360	0.019	0.062	2.23E-82	0.007	0.005	0.151	0.012	369.630	TRUE	4.20E-73
FEV1	CAPN1	rs117205714	T	C	-0.082	0.014	0.093	1.03E-08	0.008	0.004	0.056	0.001	32.776	TRUE	6.08E-07
FEV1	CAPN1	rs117745461	T	C	0.381	0.030	0.023	2.07E-37	-0.007	0.009	0.444	0.005	163.364	TRUE	1.24E-33
FEV1	CAPN1	rs1195969	C	T	0.367	0.008	0.465	0.00E+00	-0.004	0.002	0.068	0.058	1933.640	TRUE	0.00E+00
FEV1	CAPN1	rs138924467	T	C	-0.155	0.017	0.059	3.02E-20	0.005	0.005	0.324	0.003	84.970	TRUE	8.09E-18
FEV1	CAPN1	rs139740204	A	C	-0.255	0.027	0.023	1.10E-20	-0.012	0.007	0.100	0.003	86.973	TRUE	1.49E-17
FEV1	CAPN1	rs144104397	T	C	-0.387	0.042	0.021	1.59E-20	0.007	0.010	0.499	0.003	86.235	TRUE	2.10E-18
FEV1	CAPN1	rs149072967	G	A	0.271	0.024	0.038	1.38E-30	-0.015	0.007	0.022	0.004	132.150	TRUE	1.68E-25
FEV1	CAPN1	rs150195457	A	G	-0.299	0.045	0.018	2.64E-11	0.000	0.009	0.980	0.001	44.427	TRUE	1.47E-10
FEV1	CAPN1	rs17307346	C	A	0.070	0.012	0.135	1.22E-08	-0.013	0.004	3.38E-04	0.001	32.458	TRUE	6.18E-06
FEV1	CAPN1	rs1784862	A	G	-0.150	0.020	0.050	3.66E-14	0.009	0.005	0.095	0.002	57.341	TRUE	8.37E-12
FEV1	CAPN1	rs182850432	G	A	-0.217	0.037	0.030	3.35E-09	-0.016	0.008	0.032	0.001	34.968	TRUE	3.22E-07
FEV1	CAPN1	rs2508712	G	C	-0.092	0.009	0.309	1.51E-26	0.001	0.003	0.719	0.004	113.701	TRUE	2.97E-24
FEV1	CAPN1	rs2904978	C	T	-0.199	0.010	0.207	1.55E-92	-0.004	0.003	0.124	0.013	416.279	TRUE	6.41E-82
FEV1	CAPN1	rs2957154	C	T	0.060	0.010	0.278	4.21E-10	-0.002	0.003	0.520	0.001	39.010	TRUE	5.24E-09
FEV1	CAPN1	rs3759046	G	A	0.092	0.010	0.281	2.87E-19	0.003	0.003	0.331	0.003	80.521	TRUE	5.62E-17
FEV1	CAPN1	rs4149818	T	C	0.336	0.018	0.054	7.91E-78	-0.001	0.005	0.858	0.011	348.733	TRUE	1.36E-71
FEV1	CAPN1	rs4930692	A	G	0.133	0.016	0.078	1.25E-17	-0.008	0.004	0.060	0.002	73.061	TRUE	1.15E-14
FEV1	CAPN1	rs566189	C	T	-0.282	0.013	0.108	7.26E-108	-0.001	0.004	0.886	0.015	486.719	TRUE	3.14E-99
FEV1	CAPN1	rs61895450	G	T	0.259	0.021	0.046	2.58E-34	-0.010	0.006	0.116	0.005	149.197	TRUE	1.02E-29
FEV1	CAPN1	rs625652	T	A	0.048	0.008	0.324	1.71E-08	-0.004	0.002	0.100	0.001	31.794	TRUE	6.51E-07
FEV1	CAPN1	rs67232843	T	C	0.144	0.013	0.120	6.05E-29	-0.001	0.004	0.769	0.004	124.650	TRUE	1.51E-26
FEV1	CAPN1	rs675944	G	A	0.063	0.008	0.520	3.06E-14	-0.002	0.003	0.495	0.002	57.689	TRUE	1.04E-12
FEV1	CAPN1	rs7116875	A	G	0.355	0.008	0.422	0.00E+00	-0.006	0.002	0.009	0.061	2069.445	TRUE	0.00E+00
FEV1	CAPN1	rs72929012	T	C	0.163	0.026	0.032	1.51E-10	0.000	0.006	0.954	0.001	41.011	TRUE	7.96E-10
FEV1	CAPN1	rs72932855	C	A	-0.333	0.027	0.034	2.61E-35	0.005	0.006	0.419	0.005	153.756	TRUE	1.16E-31
FEV1	CAPN1	rs76092837	A	G	-0.273	0.031	0.020	2.35E-18	-0.016	0.008	0.042	0.002	76.365	TRUE	3.84E-15
FEV1	CAPN1	rs76948736	G	A	-0.334	0.027	0.034	5.12E-36	0.012	0.006	0.047	0.005	156.991	TRUE	1.07E-30
FEV1	CAPN1	rs76984126	T	G	-0.151	0.025	0.029	1.21E-09	-0.007	0.007	0.314	0.001	36.955	TRUE	2.41E-08
FEV1	CAPN1	rs77231260	C	T	0.164	0.025	0.031	9.02E-11	0.015	0.006	0.013	0.001	42.022	TRUE	2.57E-08
FEV1	CAPN1	rs77725975	G	A	0.379	0.023	0.035	7.06E-62	-0.013	0.006	0.033	0.009	275.515	TRUE	2.36E-53
FEV1	CAPN1	rs78752645	T	C	-0.409	0.068	0.013	1.78E-09	0.005	0.011	0.685	0.001	36.197	TRUE	1.35E-08
FEV1	CAPN1	rs78922422	A	G	0.305	0.020	0.049	6.66E-53	-0.001	0.005	0.919	0.007	234.350	TRUE	7.58E-49
FEV1	CAPN1	rs7940559	A	G	-0.139	0.009	0.325	8.74E-60	0.002	0.003	0.431	0.008	265.915	TRUE	5.59E-54
FEV1	CARS	rs11025261	T	C	-0.093	0.013	0.102	2.56E-12	0.003	0.004	0.435	0.002	48.997	TRUE	6.77E-11
FEV1	CARS	rs11025321	T	C	-0.137	0.011	0.152	1.43E-34	0.005	0.003	0.143	0.005	150.377	TRUE	3.97E-30
FEV1	CARS	rs146828544	C	T	0.158	0.028	0.026	2.69E-08	-0.023	0.008	0.003	0.001	30.914	TRUE	5.66E-06

FEV1	CARS	rs2411767	C	T	-0.123	0.013	0.102	4.05E-20	0.008	0.004	0.039	0.003	84.392	TRUE	1.19E-16
FEV1	CARS	rs35874416	T	C	0.137	0.020	0.046	2.27E-11	0.003	0.006	0.628	0.001	44.721	TRUE	2.88E-10
FEV1	CARS	rs428726	A	G	0.208	0.008	0.389	4.82E-147	-0.008	0.002	8.64E-04	0.021	666.815	TRUE	5.06E-126
FEV1	CARS	rs4558150	T	C	-0.057	0.009	0.429	4.89E-10	0.003	0.002	0.148	0.001	38.718	TRUE	2.30E-08
FEV1	CARS	rs4758525	T	C	-0.070	0.010	0.270	2.30E-11	0.002	0.003	0.572	0.001	44.694	TRUE	3.41E-10
FEV1	CARS	rs4930028	A	C	0.063	0.010	0.330	1.78E-10	-0.006	0.002	0.022	0.001	40.697	TRUE	3.64E-08
FEV1	CARS	rs72850067	A	G	0.155	0.024	0.035	1.10E-10	0.001	0.006	0.871	0.001	41.625	TRUE	7.06E-10
FEV1	CARS	rs7934793	G	T	-0.052	0.009	0.477	3.05E-08	0.001	0.002	0.690	0.001	30.676	TRUE	1.70E-07
FEV1	CASP8	rs10931945	T	C	-0.068	0.008	0.469	3.61E-17	0.001	0.002	0.637	0.002	70.973	TRUE	1.44E-15
FEV1	CASP8	rs112222310	G	A	-0.102	0.009	0.266	1.05E-29	0.001	0.003	0.756	0.004	128.120	TRUE	3.26E-27
FEV1	CASP8	rs1135266	T	C	0.124	0.016	0.079	9.94E-15	0.004	0.004	0.397	0.002	59.905	TRUE	5.36E-13
FEV1	CASP8	rs114789134	T	G	-0.276	0.019	0.049	5.12E-49	-0.001	0.005	0.882	0.007	216.536	TRUE	3.48E-45
FEV1	CASP8	rs11888596	T	C	-0.045	0.008	0.479	1.35E-08	-0.003	0.002	0.277	0.001	32.251	TRUE	2.31E-07
FEV1	CASP8	rs1208082	A	C	0.093	0.009	0.274	2.41E-25	0.003	0.003	0.224	0.003	108.212	TRUE	3.50E-22
FEV1	CASP8	rs12613052	C	T	-0.071	0.008	0.383	6.20E-18	-0.003	0.002	0.296	0.002	74.451	TRUE	1.05E-15
FEV1	CASP8	rs187743353	T	C	0.316	0.044	0.022	6.47E-13	0.002	0.008	0.834	0.002	51.696	TRUE	6.84E-12
FEV1	CASP8	rs1914260	G	A	-0.139	0.010	0.201	6.46E-44	-0.001	0.003	0.816	0.006	193.158	TRUE	2.33E-40
FEV1	CASP8	rs28368955	T	C	-0.098	0.011	0.167	6.16E-20	-0.005	0.003	0.121	0.003	83.560	TRUE	5.90E-17
FEV1	CASP8	rs35482569	G	A	0.046	0.008	0.364	2.32E-08	0.000	0.003	0.980	0.001	31.201	TRUE	8.09E-08
FEV1	CASP8	rs35620793	G	A	-0.170	0.019	0.051	6.72E-20	0.005	0.005	0.355	0.003	83.389	TRUE	1.39E-17
FEV1	CASP8	rs41372848	T	C	-0.121	0.020	0.044	8.29E-10	0.006	0.005	0.303	0.001	37.687	TRUE	1.78E-08
FEV1	CASP8	rs56225831	T	C	0.134	0.020	0.045	1.72E-11	-0.002	0.006	0.672	0.001	45.266	TRUE	2.01E-10
FEV1	CASP8	rs56365779	G	T	0.150	0.014	0.084	2.97E-25	-0.008	0.004	0.063	0.003	107.795	TRUE	2.39E-21
FEV1	CASP8	rs59677955	A	T	0.158	0.025	0.030	2.46E-10	-0.002	0.009	0.808	0.001	40.056	TRUE	1.69E-09
FEV1	CASP8	rs7560328	A	C	-0.212	0.008	0.394	7.38E-152	0.006	0.002	0.013	0.021	688.957	TRUE	2.02E-132
FEV1	CASP8	rs7603014	G	T	0.154	0.014	0.089	2.24E-28	-0.004	0.004	0.375	0.004	122.056	TRUE	2.82E-25
FEV1	CASP8	rs77249938	T	C	-0.132	0.021	0.042	3.69E-10	0.006	0.007	0.429	0.001	39.268	TRUE	5.99E-09
FEV1	CASP8	rs78404560	T	C	-0.301	0.052	0.015	6.38E-09	0.004	0.010	0.719	0.001	33.715	TRUE	3.98E-08
FEV1	CASP8AP2	rs72919981	C	T	-0.124	0.018	0.126	3.71E-12	-0.008	0.004	0.021	0.002	48.271	TRUE	1.37E-09
FEV1	CBL	rs11217241	T	C	-0.189	0.022	0.099	2.07E-17	-0.004	0.005	0.420	0.002	72.069	TRUE	1.82E-15
FEV1	CBL	rs112233726	A	G	0.195	0.036	0.035	4.21E-08	-0.005	0.006	0.413	0.001	30.051	TRUE	4.25E-07
FEV1	CBL	rs117431399	G	T	-0.558	0.061	0.016	6.80E-20	0.018	0.009	0.043	0.003	83.366	TRUE	1.76E-16
FEV1	CBL	rs1784304	A	C	0.083	0.014	0.253	4.54E-09	-0.003	0.003	0.390	0.001	34.375	TRUE	6.42E-08
FEV1	CBL	rs1918	C	T	0.190	0.033	0.040	1.24E-08	0.002	0.006	0.700	0.001	32.424	TRUE	7.67E-08
FEV1	CBL	rs2155380	G	A	-0.315	0.013	0.294	4.72E-135	0.009	0.003	5.63E-04	0.019	611.683	TRUE	6.73E-115
FEV1	CBL	rs2509656	A	G	0.145	0.019	0.131	1.06E-13	-0.002	0.003	0.550	0.002	55.248	TRUE	2.77E-12
FEV1	CBL	rs2511842	T	C	-0.542	0.054	0.017	1.69E-23	0.024	0.008	0.003	0.003	99.790	TRUE	1.31E-18
FEV1	CBL	rs616314	A	T	0.121	0.016	0.159	6.58E-14	0.002	0.003	0.454	0.002	56.187	TRUE	2.38E-12
FEV1	CBL	rs674424	T	C	0.104	0.014	0.249	2.55E-14	0.003	0.003	0.356	0.002	58.052	TRUE	1.43E-12
FEV1	CBL	rs73001395	T	C	0.196	0.021	0.105	4.50E-20	-0.005	0.004	0.135	0.003	84.183	TRUE	3.71E-17
FEV1	CBL	rs77638281	A	G	-0.216	0.033	0.034	3.36E-11	0.006	0.006	0.281	0.001	43.952	TRUE	1.17E-09
FEV1	CD70	rs17516272	T	G	-0.100	0.014	0.091	6.09E-13	-0.001	0.004	0.773	0.002	51.814	TRUE	7.50E-12

FEV1	CD70	rs2029745	C	T	-0.098	0.008	0.401	2.42E-33	-0.006	0.002	0.011	0.005	144.750	TRUE	1.37E-27
FEV1	CD70	rs344607	T	C	0.126	0.011	0.146	4.35E-28	0.006	0.003	0.081	0.004	120.737	TRUE	5.85E-24
FEV1	CD70	rs392972	T	C	0.071	0.008	0.500	9.85E-19	0.002	0.002	0.376	0.002	78.084	TRUE	1.52E-16
FEV1	CDC37	rs115959341	C	G	0.125	0.022	0.037	7.91E-09	0.002	0.006	0.785	0.001	33.295	TRUE	4.23E-08
FEV1	CDC37	rs117212300	G	A	-0.128	0.021	0.049	1.37E-09	-0.011	0.006	0.040	0.001	36.702	TRUE	1.33E-07
FEV1	CDC37	rs12975591	G	A	0.062	0.011	0.229	3.95E-08	0.001	0.003	0.655	0.001	30.171	TRUE	2.39E-07
FEV1	CDC37	rs12978105	C	A	0.137	0.008	0.324	2.83E-59	0.005	0.003	0.032	0.008	263.571	TRUE	4.54E-51
FEV1	CDC37	rs7256672	G	T	0.053	0.008	0.345	3.60E-10	-0.002	0.002	0.455	0.001	39.318	TRUE	5.49E-09
FEV1	CDKN2D	rs117717044	T	C	-1.457	0.137	0.013	2.07E-26	0.008	0.016	0.639	0.004	113.070	TRUE	5.42E-24
FEV1	CDKN2D	rs11883423	G	A	-0.100	0.009	0.335	2.46E-27	-0.007	0.003	0.007	0.004	117.298	TRUE	3.23E-22
FEV1	CDKN2D	rs190740393	C	T	-0.087	0.016	0.089	3.59E-08	-0.001	0.004	0.878	0.001	30.356	TRUE	1.44E-07
FEV1	CDKN2D	rs34457396	G	T	-0.127	0.018	0.059	1.29E-12	-0.008	0.005	0.099	0.002	50.338	TRUE	1.71E-10
FEV1	CDKN2D	rs4804510	A	G	-0.065	0.009	0.369	5.18E-13	-0.007	0.002	0.006	0.002	52.131	TRUE	5.94E-10
FEV1	CDKN2D	rs62131898	G	A	0.114	0.014	0.132	1.25E-16	0.000	0.004	0.906	0.002	68.518	TRUE	2.11E-15
FEV1	CDKN2D	rs8106542	C	T	0.065	0.010	0.200	5.15E-11	0.007	0.003	0.013	0.001	43.115	TRUE	1.68E-08
FEV1	CDKN2D	rs8108051	C	T	0.161	0.009	0.458	3.71E-80	0.007	0.002	0.002	0.011	359.430	TRUE	1.19E-67
FEV1	CHMP3	rs11127043	T	C	0.172	0.012	0.161	3.09E-46	0.012	0.003	3.53E-04	0.006	203.791	TRUE	2.98E-37
FEV1	CHMP3	rs112389749	T	C	-0.285	0.034	0.021	1.06E-16	-0.018	0.009	0.049	0.002	68.849	TRUE	9.03E-14
FEV1	CHMP3	rs148683372	T	C	0.181	0.028	0.030	5.61E-11	0.013	0.007	0.066	0.001	42.949	TRUE	6.25E-09
FEV1	CHMP3	rs1518990	C	T	-0.069	0.009	0.348	1.01E-13	-0.008	0.003	0.002	0.002	55.338	TRUE	2.54E-10
FEV1	CHMP3	rs308905	T	C	-0.190	0.034	0.022	2.91E-08	-0.010	0.008	0.185	0.001	30.767	TRUE	6.33E-07
FEV1	CHMP3	rs308921	G	T	-0.079	0.009	0.335	8.38E-17	-0.003	0.003	0.242	0.002	69.315	TRUE	1.39E-14
FEV1	CHMP3	rs56003000	A	T	0.142	0.016	0.091	6.72E-19	0.009	0.004	0.042	0.002	78.838	TRUE	1.29E-15
FEV1	CHMP3	rs6728029	T	C	0.056	0.009	0.484	3.62E-10	-0.002	0.002	0.512	0.001	39.305	TRUE	4.71E-09
FEV1	CHMP3	rs6738956	A	T	-0.063	0.009	0.381	2.83E-11	-0.001	0.002	0.564	0.001	44.286	TRUE	4.20E-10
FEV1	CHMP3	rs74462826	T	C	-0.269	0.047	0.025	1.38E-08	0.000	0.016	0.981	0.001	32.208	TRUE	4.89E-08
FEV1	CHMP3	rs7596717	C	A	-0.213	0.009	0.355	6.75E-120	-0.005	0.002	0.043	0.017	542.019	TRUE	2.64E-105
FEV1	CHMP3	rs78977558	T	C	-0.274	0.018	0.062	6.39E-51	-0.005	0.005	0.283	0.007	225.262	TRUE	2.24E-45
FEV1	CHMP3	rs79242249	C	T	-0.231	0.030	0.029	7.99E-15	0.004	0.006	0.492	0.002	60.335	TRUE	3.10E-13
FEV1	CHMP3	rs918859	C	A	-0.114	0.014	0.126	3.55E-17	-0.002	0.004	0.578	0.002	71.006	TRUE	1.75E-15
FEV1	CHMP4B	rs117487769	G	A	-0.188	0.030	0.022	1.95E-10	0.008	0.008	0.328	0.001	40.511	TRUE	4.59E-09
FEV1	CHMP4B	rs117572541	T	C	0.381	0.032	0.019	1.67E-33	-0.027	0.008	9.40E-04	0.005	145.488	TRUE	9.24E-27
FEV1	CHMP4B	rs117763311	T	C	-0.136	0.023	0.032	3.98E-09	-0.004	0.008	0.665	0.001	34.633	TRUE	2.89E-08
FEV1	CHMP4B	rs117879275	C	A	-0.208	0.028	0.026	2.32E-13	0.010	0.008	0.225	0.002	53.708	TRUE	1.76E-11
FEV1	CHMP4B	rs117967773	A	G	-0.153	0.010	0.184	1.04E-50	0.005	0.003	0.104	0.007	224.294	TRUE	2.64E-44
FEV1	CHMP4B	rs1205339	G	A	0.087	0.011	0.172	1.55E-16	0.006	0.003	0.061	0.002	68.100	TRUE	1.11E-13
FEV1	CHMP4B	rs137942933	T	G	0.382	0.033	0.022	3.93E-31	0.021	0.008	0.007	0.004	134.644	TRUE	1.66E-25
FEV1	CHMP4B	rs138440819	A	G	0.155	0.026	0.031	2.08E-09	0.010	0.006	0.119	0.001	35.899	TRUE	9.29E-08
FEV1	CHMP4B	rs141314118	A	G	0.228	0.031	0.023	3.09E-13	-0.006	0.008	0.477	0.002	53.147	TRUE	9.00E-12
FEV1	CHMP4B	rs145989066	A	C	-0.159	0.023	0.038	1.12E-11	-0.009	0.007	0.152	0.001	46.113	TRUE	7.87E-10
FEV1	CHMP4B	rs147017801	C	T	-0.209	0.025	0.028	1.37E-16	0.010	0.007	0.163	0.002	68.349	TRUE	3.50E-14
FEV1	CHMP4B	rs169797	G	A	0.153	0.009	0.282	2.75E-68	0.002	0.003	0.454	0.010	304.929	TRUE	9.05E-62

FEV1	CHMP4B	rs1891869	A	G	0.134	0.016	0.067	3.18E-16	0.017	0.004	5.49E-05	0.002	66.683	TRUE	1.25E-11
FEV1	CHMP4B	rs2064339	A	G	0.140	0.021	0.048	8.22E-12	-0.006	0.006	0.285	0.001	46.709	TRUE	3.24E-10
FEV1	CHMP4B	rs2092478	G	C	-0.155	0.008	0.393	1.26E-79	-0.002	0.003	0.374	0.011	356.985	TRUE	9.00E-72
FEV1	CHMP4B	rs2626554	A	G	0.329	0.008	0.486	0.00E+00	0.006	0.002	0.017	0.053	1788.572	TRUE	0.00E+00
FEV1	CHMP4B	rs34808007	T	C	0.344	0.015	0.082	9.23E-124	0.012	0.004	0.002	0.017	559.777	TRUE	6.26E-106
FEV1	CHMP4B	rs34919557	T	C	-0.141	0.013	0.096	1.20E-25	-0.003	0.004	0.435	0.003	109.585	TRUE	6.14E-23
FEV1	CHMP4B	rs6057927	A	G	-0.123	0.010	0.219	1.83E-37	0.001	0.003	0.678	0.005	163.610	TRUE	3.44E-34
FEV1	CHMP4B	rs6087524	T	C	-0.299	0.010	0.193	7.52E-199	-0.006	0.003	0.068	0.028	905.077	TRUE	1.83E-176
FEV1	CHMP4B	rs6088092	C	T	0.044	0.008	0.409	4.86E-08	0.004	0.002	0.107	0.001	29.768	TRUE	1.56E-06
FEV1	CHMP4B	rs6088114	A	G	0.068	0.011	0.165	2.74E-10	-0.006	0.003	0.053	0.001	39.847	TRUE	2.72E-08
FEV1	CHMP4B	rs6088181	A	C	0.074	0.008	0.376	3.43E-18	0.004	0.003	0.074	0.002	75.619	TRUE	3.01E-15
FEV1	CHMP4B	rs6088426	A	G	-0.141	0.013	0.111	2.79E-26	-0.003	0.004	0.533	0.004	112.480	TRUE	1.11E-23
FEV1	CHMP4B	rs6119406	G	A	-0.277	0.039	0.016	1.59E-12	0.013	0.012	0.263	0.002	49.931	TRUE	8.22E-11
FEV1	CHMP4B	rs6142034	A	G	-0.236	0.011	0.157	1.03E-104	-0.003	0.003	0.362	0.015	472.245	TRUE	1.82E-94
FEV1	CHMP4B	rs7268203	C	T	-0.222	0.016	0.066	2.36E-43	-0.001	0.005	0.780	0.006	190.576	TRUE	8.92E-40
FEV1	CHMP4B	rs7268701	C	T	-0.050	0.008	0.492	5.93E-10	0.002	0.002	0.357	0.001	38.341	TRUE	1.12E-08
FEV1	CHMP4B	rs73119166	G	A	0.403	0.038	0.015	3.28E-26	-0.032	0.010	0.002	0.004	112.162	TRUE	9.47E-21
FEV1	CHMP4B	rs74404666	G	T	0.213	0.035	0.017	7.80E-10	-0.005	0.008	0.514	0.001	37.808	TRUE	9.39E-09
FEV1	CHMP4B	rs74778497	A	G	0.153	0.019	0.056	1.81E-15	0.007	0.005	0.150	0.002	63.255	TRUE	3.67E-13
FEV1	CHMP4B	rs76625538	C	T	-0.311	0.023	0.034	8.62E-42	-0.001	0.008	0.874	0.006	183.422	TRUE	1.58E-38
FEV1	CHMP4B	rs79047848	T	C	-0.144	0.024	0.031	3.34E-09	-0.011	0.007	0.138	0.001	34.971	TRUE	1.22E-07
FEV1	CHMP4B	rs79881952	A	G	0.187	0.020	0.044	4.98E-21	0.003	0.005	0.611	0.003	88.535	TRUE	4.98E-19
FEV1	CHUK	rs148211064	T	C	0.467	0.038	0.016	1.69E-35	-0.023	0.010	0.018	0.005	154.615	TRUE	1.11E-29
FEV1	CHUK	rs2804405	A	G	0.053	0.008	0.406	7.41E-11	0.001	0.002	0.639	0.001	42.406	TRUE	8.10E-10
FEV1	CHUK	rs6584351	G	A	0.081	0.008	0.469	1.93E-24	-0.001	0.002	0.555	0.003	104.086	TRUE	4.89E-22
FEV1	CISD2	rs111791762	A	G	-0.122	0.017	0.066	5.56E-13	-0.001	0.004	0.915	0.002	51.992	TRUE	4.93E-12
FEV1	CISD2	rs113360567	T	C	-0.169	0.016	0.067	1.77E-26	0.011	0.004	0.009	0.004	113.386	TRUE	1.45E-21
FEV1	CISD2	rs141190853	T	C	0.111	0.018	0.066	3.54E-10	-0.003	0.005	0.576	0.001	39.348	TRUE	3.97E-09
FEV1	CISD2	rs1598858	G	A	-0.066	0.008	0.332	4.40E-15	-0.003	0.002	0.163	0.002	61.509	TRUE	7.88E-13
FEV1	CISD2	rs17254507	C	T	-0.304	0.030	0.021	6.43E-25	0.008	0.008	0.277	0.003	106.265	TRUE	6.23E-22
FEV1	CISD2	rs230547	T	C	0.084	0.014	0.091	1.28E-09	0.000	0.004	0.973	0.001	36.842	TRUE	5.37E-09
FEV1	CISD2	rs28871712	C	T	-0.072	0.008	0.463	1.35E-19	-0.002	0.002	0.443	0.003	82.006	TRUE	1.74E-17
FEV1	CISD2	rs6822658	G	T	-0.194	0.008	0.480	1.01E-117	0.005	0.002	0.035	0.017	532.023	TRUE	3.90E-103
FEV1	CISD2	rs74819220	C	T	-0.107	0.018	0.051	4.72E-09	0.011	0.006	0.050	0.001	34.297	TRUE	3.40E-07
FEV1	CLU	rs73231005	G	C	0.078	0.009	0.258	4.71E-17	0.006	0.003	0.034	0.002	70.451	TRUE	6.72E-14
FEV1	CSNK2A2	rs2731750	A	G	0.136	0.011	0.156	6.14E-35	-0.009	0.003	0.004	0.005	152.055	TRUE	1.52E-28
FEV1	CSNK2A2	rs56409821	T	G	0.093	0.016	0.063	1.35E-08	-0.004	0.005	0.371	0.001	32.254	TRUE	1.76E-07
FEV1	CSNK2A2	rs7196686	T	G	0.062	0.008	0.457	9.59E-15	-0.003	0.002	0.206	0.002	59.975	TRUE	1.26E-12
FEV1	CSNK2A2	rs78956198	C	A	-0.127	0.022	0.034	8.25E-09	0.004	0.006	0.475	0.001	33.212	TRUE	8.59E-08
FEV1	CTTN	rs4570606	C	T	0.100	0.009	0.227	7.90E-26	-0.009	0.003	7.10E-04	0.003	110.419	TRUE	4.07E-20
FEV1	CTTN	rs583347	A	G	0.050	0.008	0.341	2.57E-09	-0.005	0.003	0.029	0.001	35.484	TRUE	2.63E-07
FEV1	CX3CR1	rs114325248	C	T	0.169	0.031	0.021	3.96E-08	0.008	0.008	0.321	0.001	30.167	TRUE	5.20E-07

FEV1	CX3CR1	rs114549077	G	A	0.130	0.020	0.046	1.26E-10	0.003	0.006	0.608	0.001	41.363	TRUE	1.43E-09
FEV1	CX3CR1	rs116009663	T	G	0.168	0.028	0.025	3.16E-09	-0.004	0.007	0.524	0.001	35.082	TRUE	3.29E-08
FEV1	CX3CR1	rs11925155	C	T	-0.140	0.017	0.060	1.39E-16	0.006	0.005	0.229	0.002	68.322	TRUE	2.35E-14
FEV1	CX3CR1	rs12636980	G	A	0.076	0.009	0.256	1.22E-16	-0.005	0.003	0.091	0.002	68.571	TRUE	5.62E-14
FEV1	CX3CR1	rs13077681	G	T	-0.187	0.027	0.026	1.85E-12	-0.016	0.008	0.039	0.002	49.632	TRUE	5.06E-10
FEV1	CX3CR1	rs13079368	C	T	-0.059	0.008	0.517	2.38E-13	0.007	0.002	0.002	0.002	53.658	TRUE	6.04E-10
FEV1	CX3CR1	rs13095260	T	C	0.133	0.009	0.239	1.88E-45	-0.011	0.003	2.43E-05	0.006	200.199	TRUE	1.06E-35
FEV1	CX3CR1	rs1344220	C	T	-0.132	0.008	0.448	2.48E-60	0.003	0.002	0.227	0.008	268.425	TRUE	9.86E-54
FEV1	CX3CR1	rs145870212	C	T	0.305	0.036	0.017	1.70E-17	-0.012	0.009	0.211	0.002	72.463	TRUE	4.08E-15
FEV1	CX3CR1	rs151208988	T	C	-0.279	0.047	0.014	3.91E-09	0.039	0.017	0.019	0.001	34.664	TRUE	4.78E-07
FEV1	CX3CR1	rs2649759	T	C	0.073	0.008	0.407	8.02E-19	-0.005	0.002	0.035	0.002	78.491	TRUE	1.90E-15
FEV1	CX3CR1	rs35111246	C	T	-0.159	0.027	0.026	3.36E-09	0.008	0.008	0.310	0.001	34.963	TRUE	6.19E-08
FEV1	CX3CR1	rs3732379	T	C	-0.053	0.009	0.261	9.98E-09	0.001	0.003	0.703	0.001	32.842	TRUE	6.26E-08
FEV1	CX3CR1	rs4386433	G	A	0.119	0.018	0.055	6.60E-11	-0.002	0.005	0.698	0.001	42.631	TRUE	6.47E-10
FEV1	CX3CR1	rs562545	A	G	-0.048	0.008	0.393	6.56E-09	0.000	0.002	0.908	0.001	33.659	TRUE	2.86E-08
FEV1	CX3CR1	rs7432727	T	C	0.074	0.008	0.425	7.24E-20	-0.003	0.002	0.276	0.003	83.242	TRUE	2.15E-17
FEV1	CX3CR1	rs75486731	A	G	-0.142	0.025	0.029	1.29E-08	-0.005	0.007	0.473	0.001	32.342	TRUE	1.28E-07
FEV1	CX3CR1	rs75562077	G	A	-0.186	0.030	0.021	3.89E-10	-0.004	0.009	0.691	0.001	39.165	TRUE	3.34E-09
FEV1	CX3CR1	rs76184860	C	T	-0.130	0.024	0.030	3.49E-08	0.002	0.008	0.758	0.001	30.413	TRUE	1.75E-07
FEV1	CX3CR1	rs7651994	A	G	0.318	0.015	0.073	4.32E-94	-0.011	0.004	0.008	0.013	423.426	TRUE	8.74E-81
FEV1	CX3CR1	rs77498900	G	A	-0.205	0.028	0.022	1.16E-13	0.000	0.009	0.980	0.002	55.077	TRUE	9.64E-13
FEV1	CX3CR1	rs79659083	A	C	0.321	0.016	0.064	5.47E-85	-0.006	0.005	0.184	0.012	381.615	TRUE	1.14E-75
FEV1	CX3CR1	rs938200	A	C	-0.064	0.008	0.383	1.21E-14	-0.002	0.002	0.379	0.002	59.521	TRUE	6.62E-13
FEV1	CX3CR1	rs9823718	G	C	-0.201	0.014	0.085	2.81E-44	0.010	0.004	0.014	0.006	194.813	TRUE	3.08E-37
FEV1	DDX47	rs1010878	A	G	0.078	0.009	0.247	4.08E-17	0.007	0.003	0.009	0.002	70.734	TRUE	1.66E-13
FEV1	DDX47	rs7956578	T	C	-0.046	0.008	0.446	1.37E-08	-0.001	0.002	0.809	0.001	32.233	TRUE	6.91E-08
FEV1	DEDD2	rs8108096	C	T	0.093	0.014	0.096	8.24E-11	-0.014	0.004	3.19E-04	0.001	42.198	TRUE	1.30E-07
FEV1	DIABLO	rs10847242	T	G	-0.068	0.009	0.368	4.85E-14	-0.003	0.002	0.161	0.002	56.788	TRUE	6.51E-12
FEV1	DIABLO	rs11615433	C	T	0.075	0.013	0.121	2.25E-08	0.013	0.004	2.48E-04	0.001	31.266	TRUE	1.13E-05
FEV1	DIABLO	rs12870	T	C	0.142	0.009	0.440	5.96E-60	0.007	0.002	0.002	0.008	266.678	TRUE	4.89E-50
FEV1	DIABLO	rs28384349	G	C	0.066	0.012	0.207	1.03E-08	0.001	0.003	0.817	0.001	32.780	TRUE	5.12E-08
FEV1	DIABLO	rs61954254	A	G	0.063	0.011	0.188	1.48E-08	0.003	0.003	0.381	0.001	32.083	TRUE	1.82E-07
FEV1	DIABLO	rs7302430	A	G	-0.093	0.011	0.189	1.07E-16	-0.002	0.003	0.524	0.002	68.829	TRUE	5.65E-15
FEV1	ERBB3	rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	-0.012	0.002	4.34E-07	0.013	424.916	TRUE	5.82E-76
FEV1	ERBB3	rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	-0.007	0.005	0.174	0.002	50.140	TRUE	1.15E-10
FEV1	ERBB3	rs150823486	A	G	0.124	0.022	0.045	9.57E-09	0.011	0.005	0.023	0.001	32.925	TRUE	9.35E-07
FEV1	ERBB3	rs773662	C	T	-0.091	0.015	0.075	2.12E-09	0.004	0.004	0.304	0.001	35.856	TRUE	4.12E-08
FEV1	ERCC4	rs3136038	T	C	0.051	0.008	0.324	1.76E-09	-0.007	0.003	0.004	0.001	36.224	TRUE	5.08E-07
FEV1	ERN1	rs11870905	C	A	-0.292	0.040	0.037	3.33E-13	-0.019	0.007	0.010	0.002	52.998	TRUE	2.89E-10
FEV1	ERN1	rs11871891	T	C	0.094	0.009	0.319	1.16E-27	0.003	0.003	0.183	0.004	118.789	TRUE	4.67E-24
FEV1	ERN1	rs145340805	A	G	-0.320	0.037	0.016	9.10E-18	0.006	0.008	0.424	0.002	73.694	TRUE	8.54E-16
FEV1	ERN1	rs148935915	T	G	-0.389	0.040	0.015	5.87E-22	-0.021	0.009	0.022	0.003	92.766	TRUE	5.45E-18

FEV1	ERN1	rs16947425	A	C	-0.412	0.011	0.154	0.00E+00	-0.006	0.003	0.046	0.044	1458.909	TRUE	5.27E-283
FEV1	ERN1	rs3088093	A	G	0.091	0.012	0.126	4.56E-14	0.004	0.004	0.315	0.002	56.905	TRUE	2.78E-12
FEV1	ERN1	rs62073139	T	C	-0.150	0.017	0.060	3.08E-18	-0.005	0.005	0.289	0.002	75.831	TRUE	5.90E-16
FEV1	ERN1	rs7223733	C	A	0.058	0.011	0.178	4.30E-08	0.009	0.003	0.005	0.001	30.009	TRUE	6.42E-06
FEV1	ERN1	rs73328128	T	C	-0.192	0.021	0.044	6.31E-20	0.010	0.006	0.083	0.003	83.512	TRUE	8.53E-17
FEV1	ERN1	rs7405661	C	T	-0.086	0.013	0.113	1.13E-11	0.002	0.004	0.631	0.001	46.093	TRUE	1.50E-10
FEV1	ERN1	rs76708468	C	T	0.164	0.030	0.026	4.84E-08	0.004	0.006	0.527	0.001	29.777	TRUE	3.78E-07
FEV1	ERN1	rs9892013	A	G	-0.322	0.035	0.018	1.64E-20	0.001	0.008	0.920	0.003	86.172	TRUE	5.31E-19
FEV1	ERN1	rs9910216	A	G	-0.217	0.012	0.140	1.43E-77	-0.006	0.003	0.074	0.011	347.547	TRUE	4.35E-68
FEV1	FAIM	rs116246525	C	A	0.195	0.034	0.019	6.91E-09	0.008	0.007	0.262	0.001	33.557	TRUE	1.35E-07
FEV1	FAIM	rs11706600	T	C	0.152	0.022	0.040	9.08E-12	-0.001	0.006	0.858	0.001	46.515	TRUE	7.22E-11
FEV1	FAIM	rs11928535	A	G	-0.060	0.011	0.173	1.60E-08	0.003	0.003	0.340	0.001	31.930	TRUE	2.26E-07
FEV1	FAIM	rs13059110	T	G	-0.091	0.012	0.134	9.39E-15	-0.002	0.004	0.506	0.002	60.015	TRUE	3.42E-13
FEV1	FAIM	rs138510184	T	G	-0.136	0.020	0.049	3.00E-12	-0.003	0.006	0.562	0.002	48.686	TRUE	5.48E-11
FEV1	FAIM	rs1672928	C	A	-0.226	0.008	0.442	1.19E-163	-0.011	0.002	5.56E-06	0.023	743.177	TRUE	3.30E-137
FEV1	FAIM	rs17282731	G	A	0.116	0.014	0.088	1.80E-16	-0.001	0.004	0.723	0.002	67.801	TRUE	5.05E-15
FEV1	FAIM	rs2291093	G	C	0.048	0.008	0.379	4.18E-09	0.004	0.002	0.081	0.001	34.537	TRUE	2.20E-07
FEV1	FAIM	rs2607789	T	A	-0.120	0.018	0.075	4.43E-11	-0.011	0.005	0.015	0.001	43.413	TRUE	1.38E-08
FEV1	FAIM	rs2622745	A	G	0.064	0.012	0.139	2.70E-08	0.009	0.004	0.020	0.001	30.907	TRUE	2.35E-06
FEV1	FAIM	rs28673120	T	C	-0.116	0.020	0.045	3.05E-09	-0.013	0.006	0.020	0.001	35.151	TRUE	3.86E-07
FEV1	FAIM	rs4285013	T	A	0.129	0.016	0.079	1.16E-16	0.012	0.004	0.004	0.002	68.670	TRUE	6.94E-13
FEV1	FAIM	rs62282907	T	C	-0.148	0.018	0.056	1.44E-16	-0.001	0.005	0.814	0.002	68.240	TRUE	3.14E-15
FEV1	FAIM	rs641320	A	G	-0.141	0.017	0.060	2.23E-16	0.001	0.005	0.803	0.002	67.380	TRUE	4.95E-15
FEV1	FAIM	rs77037737	A	G	-0.082	0.015	0.083	4.09E-08	0.001	0.004	0.815	0.001	30.105	TRUE	1.80E-07
FEV1	FAIM	rs77947724	A	G	0.147	0.025	0.032	3.71E-09	0.005	0.006	0.411	0.001	34.770	TRUE	4.97E-08
FEV1	FAIM	rs78338341	G	A	0.200	0.028	0.026	1.44E-12	0.015	0.007	0.025	0.002	50.132	TRUE	5.57E-10
FEV1	FDX1	rs10488763	T	A	-0.092	0.011	0.145	5.99E-16	0.000	0.004	0.924	0.002	65.438	TRUE	8.43E-15
FEV1	FDX1	rs10891120	G	C	0.320	0.009	0.267	6.79E-288	0.007	0.003	0.009	0.040	1314.739	TRUE	1.33E-252
FEV1	FDX1	rs12578007	T	C	-0.092	0.008	0.446	4.54E-30	-0.004	0.002	0.095	0.004	129.788	TRUE	7.98E-26
FEV1	FDX1	rs137913010	A	G	0.243	0.037	0.019	4.69E-11	-0.015	0.011	0.153	0.001	43.299	TRUE	2.76E-09
FEV1	FDX1	rs145745759	C	T	0.447	0.029	0.021	3.97E-53	0.008	0.007	0.249	0.007	235.380	TRUE	3.04E-47
FEV1	FDX1	rs150350929	T	C	-0.152	0.026	0.027	8.97E-09	0.010	0.009	0.251	0.001	33.051	TRUE	1.75E-07
FEV1	FDX1	rs150803482	T	C	0.211	0.032	0.019	5.51E-11	-0.001	0.010	0.907	0.001	42.984	TRUE	3.44E-10
FEV1	FDX1	rs17645205	G	A	-0.091	0.014	0.091	6.43E-11	0.010	0.004	0.015	0.001	42.683	TRUE	1.80E-08
FEV1	FDX1	rs1784646	C	T	-0.078	0.008	0.405	1.19E-21	-0.004	0.002	0.099	0.003	91.372	TRUE	2.22E-18
FEV1	FDX1	rs226124	C	T	0.089	0.014	0.106	8.38E-11	-0.004	0.004	0.336	0.001	42.164	TRUE	2.16E-09
FEV1	FDX1	rs2305289	C	T	0.073	0.009	0.230	1.18E-14	-0.008	0.003	0.003	0.002	59.573	TRUE	3.26E-11
FEV1	FDX1	rs2585801	G	A	0.123	0.009	0.247	3.58E-40	0.008	0.003	0.002	0.006	176.013	TRUE	8.63E-33
FEV1	FDX1	rs2724407	T	C	-0.080	0.011	0.176	2.99E-14	-0.003	0.003	0.341	0.002	57.738	TRUE	1.68E-12
FEV1	FDX1	rs328287	A	G	0.129	0.008	0.329	2.16E-52	-0.002	0.003	0.368	0.007	232.006	TRUE	4.75E-47
FEV1	FDX1	rs55881886	T	C	0.174	0.023	0.047	7.92E-14	0.004	0.003	0.175	0.002	55.821	TRUE	9.13E-12
FEV1	FDX1	rs661171	T	G	-0.051	0.009	0.292	5.16E-09	0.004	0.003	0.168	0.001	34.124	TRUE	1.55E-07

FEV1	FDX1	rs75531040	A	G	-0.252	0.034	0.017	8.42E-14	-0.003	0.012	0.795	0.002	55.702	TRUE	1.14E-12
FEV1	FDX1	rs78762835	G	A	-0.156	0.023	0.034	1.69E-11	-0.012	0.007	0.083	0.001	45.303	TRUE	1.86E-09
FEV1	FEM1B	rs116529867	G	T	-0.098	0.009	0.293	5.68E-29	0.010	0.003	6.07E-05	0.004	124.774	TRUE	3.94E-22
FEV1	FEM1B	rs34106628	C	T	0.070	0.009	0.235	9.15E-14	-0.001	0.003	0.774	0.002	55.538	TRUE	1.30E-12
FEV1	FEM1B	rs7172340	G	A	0.139	0.024	0.033	3.71E-09	0.013	0.006	0.033	0.001	34.768	TRUE	3.38E-07
FEV1	FEM1B	rs8033140	T	C	-0.051	0.008	0.334	1.93E-09	0.010	0.002	8.96E-05	0.001	36.043	TRUE	2.67E-06
FEV1	FEZ2	rs10181241	T	C	0.073	0.009	0.301	8.71E-17	0.007	0.003	0.005	0.002	69.238	TRUE	3.97E-13
FEV1	FEZ2	rs10184223	T	G	0.526	0.008	0.337	0.00E+00	0.008	0.003	6.54E-04	0.123	4460.090	TRUE	0.00E+00
FEV1	FEZ2	rs111453351	A	T	-0.337	0.024	0.030	7.43E-45	0.005	0.006	0.474	0.006	197.463	TRUE	1.87E-40
FEV1	FEZ2	rs111513488	A	G	0.513	0.021	0.040	3.00E-131	0.004	0.006	0.534	0.018	594.199	TRUE	2.77E-119
FEV1	FEZ2	rs111756466	A	G	0.219	0.036	0.015	2.03E-09	-0.008	0.009	0.386	0.001	35.945	TRUE	3.08E-08
FEV1	FEZ2	rs114271576	C	T	0.199	0.026	0.026	3.95E-14	0.009	0.008	0.264	0.002	57.189	TRUE	3.06E-12
FEV1	FEZ2	rs115498355	T	C	0.659	0.032	0.020	1.29E-95	0.011	0.007	0.133	0.013	430.427	TRUE	7.77E-85
FEV1	FEZ2	rs116043120	A	C	-0.214	0.025	0.026	3.56E-17	0.012	0.007	0.069	0.002	71.000	TRUE	2.56E-14
FEV1	FEZ2	rs11695647	T	C	0.099	0.014	0.086	3.93E-12	0.001	0.005	0.789	0.002	48.158	TRUE	3.95E-11
FEV1	FEZ2	rs12329047	C	T	0.047	0.008	0.366	8.72E-09	0.000	0.002	0.868	0.001	33.106	TRUE	3.96E-08
FEV1	FEZ2	rs12612163	C	T	-0.304	0.008	0.305	4.18E-282	-0.001	0.003	0.639	0.039	1288.108	TRUE	3.08E-256
FEV1	FEZ2	rs12623936	G	A	0.276	0.030	0.024	7.77E-20	-0.003	0.011	0.779	0.003	83.103	TRUE	3.49E-18
FEV1	FEZ2	rs12712516	C	T	-0.069	0.009	0.295	2.07E-15	-0.001	0.003	0.789	0.002	62.995	TRUE	3.98E-14
FEV1	FEZ2	rs13010689	T	C	-0.215	0.026	0.027	1.09E-16	0.001	0.008	0.914	0.002	68.803	TRUE	1.81E-15
FEV1	FEZ2	rs13031586	G	T	0.166	0.008	0.385	1.72E-88	0.001	0.002	0.569	0.012	397.697	TRUE	1.75E-80
FEV1	FEZ2	rs13429165	C	T	-0.075	0.012	0.118	1.37E-09	0.004	0.004	0.258	0.001	36.702	TRUE	3.35E-08
FEV1	FEZ2	rs143621444	A	G	-0.286	0.043	0.015	2.12E-11	-0.020	0.011	0.071	0.001	44.850	TRUE	2.59E-09
FEV1	FEZ2	rs143654575	T	C	-0.303	0.053	0.013	1.02E-08	-0.004	0.012	0.744	0.001	32.797	TRUE	5.86E-08
FEV1	FEZ2	rs146724366	T	C	0.230	0.030	0.020	3.57E-14	0.014	0.007	0.043	0.002	57.386	TRUE	1.58E-11
FEV1	FEZ2	rs147769287	A	G	0.764	0.118	0.019	8.53E-11	0.005	0.019	0.776	0.001	42.130	TRUE	6.88E-10
FEV1	FEZ2	rs148435407	G	A	-0.204	0.022	0.036	3.14E-21	-0.013	0.007	0.042	0.003	89.445	TRUE	1.24E-17
FEV1	FEZ2	rs149252251	T	C	-0.179	0.032	0.018	3.44E-08	0.005	0.010	0.589	0.001	30.437	TRUE	2.42E-07
FEV1	FEZ2	rs149594849	A	G	0.288	0.021	0.046	1.90E-42	0.000	0.006	0.977	0.006	186.436	TRUE	2.50E-39
FEV1	FEZ2	rs151079666	C	A	0.385	0.060	0.041	1.03E-10	-0.014	0.020	0.472	0.001	41.770	TRUE	1.69E-09
FEV1	FEZ2	rs151158554	T	C	-0.313	0.038	0.018	1.33E-16	0.006	0.008	0.458	0.002	68.399	TRUE	8.83E-15
FEV1	FEZ2	rs17490768	C	T	-0.097	0.008	0.417	1.45E-33	0.001	0.002	0.585	0.005	145.772	TRUE	2.09E-30
FEV1	FEZ2	rs183665414	T	C	-0.422	0.033	0.019	4.60E-37	-0.003	0.012	0.783	0.005	161.778	TRUE	5.19E-34
FEV1	FEZ2	rs1861387	T	A	0.127	0.014	0.086	2.98E-19	0.002	0.004	0.703	0.003	80.448	TRUE	1.55E-17
FEV1	FEZ2	rs186684222	G	A	0.659	0.120	0.022	3.77E-08	-0.001	0.070	0.986	0.001	30.263	TRUE	1.22E-07
FEV1	FEZ2	rs187485016	C	T	0.183	0.030	0.020	8.90E-10	0.008	0.009	0.380	0.001	37.550	TRUE	1.51E-08
FEV1	FEZ2	rs2075206	T	C	0.056	0.008	0.364	1.36E-11	0.006	0.002	0.014	0.001	45.719	TRUE	5.54E-09
FEV1	FEZ2	rs35302087	A	G	0.311	0.037	0.016	4.18E-17	0.002	0.010	0.821	0.002	70.687	TRUE	9.86E-16
FEV1	FEZ2	rs3770929	A	G	0.067	0.008	0.424	8.25E-17	0.004	0.002	0.109	0.002	69.345	TRUE	3.35E-14
FEV1	FEZ2	rs3770938	T	C	0.114	0.008	0.405	3.48E-45	-0.004	0.002	0.075	0.006	198.974	TRUE	3.75E-39
FEV1	FEZ2	rs3770962	C	A	0.141	0.012	0.122	2.08E-31	0.004	0.004	0.210	0.004	135.906	TRUE	1.54E-27
FEV1	FEZ2	rs4670144	G	A	-0.094	0.009	0.273	4.30E-26	-0.001	0.003	0.759	0.004	111.625	TRUE	6.72E-24

FEV1	FEZ2	rs56154062	T	C	-0.155	0.024	0.032	1.04E-10	0.004	0.006	0.494	0.001	41.744	TRUE	1.62E-09
FEV1	FEZ2	rs62134091	C	T	-0.139	0.020	0.040	8.20E-12	-0.006	0.006	0.343	0.001	46.715	TRUE	2.62E-10
FEV1	FEZ2	rs62136186	G	A	-0.272	0.025	0.027	8.09E-27	-0.004	0.007	0.529	0.004	114.937	TRUE	3.64E-24
FEV1	FEZ2	rs67090964	C	T	0.093	0.012	0.129	5.57E-15	0.003	0.004	0.384	0.002	61.045	TRUE	3.21E-13
FEV1	FEZ2	rs6713299	A	G	0.269	0.028	0.023	5.67E-22	0.002	0.007	0.790	0.003	92.835	TRUE	3.66E-20
FEV1	FEZ2	rs6732843	C	A	-0.088	0.014	0.083	1.05E-09	0.005	0.004	0.245	0.001	37.222	TRUE	2.75E-08
FEV1	FEZ2	rs6749967	G	A	-0.151	0.015	0.071	1.69E-22	-0.003	0.004	0.451	0.003	95.233	TRUE	4.14E-20
FEV1	FEZ2	rs67500016	T	C	0.536	0.024	0.032	1.09E-111	0.005	0.007	0.414	0.016	504.292	TRUE	5.04E-101
FEV1	FEZ2	rs72783182	T	C	-0.056	0.009	0.253	1.11E-09	-0.001	0.003	0.658	0.001	37.117	TRUE	9.56E-09
FEV1	FEZ2	rs72787253	G	A	0.259	0.045	0.013	8.64E-09	0.018	0.008	0.028	0.001	33.122	TRUE	7.49E-07
FEV1	FEZ2	rs72787255	G	A	0.164	0.020	0.048	6.04E-17	0.006	0.006	0.346	0.002	69.959	TRUE	6.40E-15
FEV1	FEZ2	rs72795281	A	G	0.525	0.020	0.041	1.38E-153	-0.002	0.006	0.706	0.022	696.899	TRUE	2.56E-140
FEV1	FEZ2	rs72801311	C	T	0.121	0.013	0.108	2.67E-21	0.005	0.004	0.189	0.003	89.767	TRUE	2.09E-18
FEV1	FEZ2	rs72860723	A	G	0.059	0.011	0.173	2.10E-08	0.003	0.003	0.283	0.001	31.396	TRUE	3.31E-07
FEV1	FEZ2	rs72866811	T	C	0.315	0.044	0.019	5.64E-13	0.007	0.011	0.529	0.002	51.963	TRUE	1.33E-11
FEV1	FEZ2	rs72869941	A	C	0.117	0.021	0.039	1.09E-08	-0.003	0.006	0.584	0.001	32.670	TRUE	8.60E-08
FEV1	FEZ2	rs75597083	A	G	-0.138	0.015	0.084	2.71E-21	-0.006	0.004	0.119	0.003	89.735	TRUE	3.58E-18
FEV1	FEZ2	rs7577081	A	C	0.062	0.011	0.172	3.25E-09	-0.004	0.003	0.181	0.001	35.025	TRUE	9.89E-08
FEV1	FEZ2	rs78072984	C	T	0.548	0.021	0.042	1.78E-143	0.002	0.006	0.779	0.020	650.410	TRUE	2.18E-131
FEV1	FEZ2	rs78397636	T	C	-0.169	0.021	0.038	6.12E-16	-0.007	0.006	0.315	0.002	65.395	TRUE	6.07E-14
FEV1	FEZ2	rs79890806	A	C	-0.188	0.021	0.040	1.66E-18	0.001	0.006	0.923	0.002	77.048	TRUE	3.71E-17
FEV1	FEZ2	rs848505	C	T	0.188	0.009	0.290	2.79E-103	-0.001	0.003	0.776	0.014	465.650	TRUE	1.01E-94
FEV1	FEZ2	rs848542	A	G	-0.429	0.041	0.016	8.82E-26	-0.016	0.008	0.031	0.003	110.201	TRUE	1.83E-21
FEV1	FEZ2	rs848632	A	C	-0.458	0.041	0.025	1.93E-28	-0.027	0.015	0.064	0.004	122.347	TRUE	3.70E-24
FEV1	FEZ2	rs848643	A	G	-0.215	0.008	0.334	2.60E-147	-0.004	0.003	0.149	0.021	668.044	TRUE	1.58E-131
FEV1	FEZ2	rs888077	A	G	-0.254	0.010	0.199	6.14E-147	-0.005	0.003	0.123	0.021	666.330	TRUE	7.16E-131
FEV1	FNIP2	rs10009938	G	A	-0.056	0.008	0.421	8.95E-12	-0.002	0.002	0.536	0.001	46.542	TRUE	1.59E-10
FEV1	FNIP2	rs112718322	C	A	-0.159	0.022	0.036	9.85E-13	-0.002	0.006	0.760	0.002	50.871	TRUE	1.18E-11
FEV1	FNIP2	rs115154624	G	A	-0.222	0.031	0.022	7.67E-13	-0.016	0.007	0.033	0.002	51.363	TRUE	2.70E-10
FEV1	FNIP2	rs116113577	C	T	-0.249	0.040	0.017	3.84E-10	0.009	0.011	0.417	0.001	39.193	TRUE	6.47E-09
FEV1	FNIP2	rs13119680	A	G	-0.250	0.040	0.015	3.07E-10	-0.005	0.010	0.616	0.001	39.629	TRUE	3.16E-09
FEV1	FNIP2	rs146101133	A	G	-0.203	0.032	0.020	1.34E-10	-0.005	0.009	0.606	0.001	41.245	TRUE	1.55E-09
FEV1	FNIP2	rs150430651	C	T	0.215	0.039	0.015	3.45E-08	0.009	0.011	0.436	0.001	30.433	TRUE	3.44E-07
FEV1	FNIP2	rs17037731	G	T	0.268	0.021	0.037	3.81E-37	0.009	0.006	0.106	0.005	162.155	TRUE	3.34E-32
FEV1	FNIP2	rs35747642	G	T	-0.242	0.008	0.372	7.74E-193	-0.006	0.002	0.008	0.027	877.418	TRUE	2.05E-168
FEV1	FNIP2	rs6536350	G	A	-0.096	0.011	0.174	9.48E-20	-0.004	0.003	0.225	0.003	82.710	TRUE	3.54E-17
FEV1	FNIP2	rs6818858	A	G	0.132	0.016	0.070	4.24E-17	0.006	0.005	0.227	0.002	70.660	TRUE	8.41E-15
FEV1	FNIP2	rs72695488	A	T	0.149	0.012	0.137	6.10E-37	0.003	0.003	0.385	0.005	161.217	TRUE	4.87E-33
FEV1	FNIP2	rs7435789	T	C	-0.064	0.010	0.211	8.24E-11	-0.001	0.003	0.672	0.001	42.198	TRUE	8.49E-10
FEV1	FNIP2	rs76327892	T	C	0.133	0.021	0.040	1.02E-10	-0.002	0.006	0.736	0.001	41.781	TRUE	8.77E-10
FEV1	FNIP2	rs76610881	G	A	0.111	0.014	0.094	9.22E-16	0.002	0.004	0.577	0.002	64.587	TRUE	3.36E-14
FEV1	FNIP2	rs7665744	G	A	-0.055	0.010	0.197	3.79E-08	-0.002	0.003	0.531	0.001	30.250	TRUE	3.02E-07

FEV1	FNIP2	rs7671903	A	G	0.084	0.008	0.444	8.79E-26	-0.004	0.002	0.133	0.003	110.210	TRUE	2.88E-22
FEV1	FNIP2	rs77143685	G	T	-0.172	0.022	0.035	7.90E-15	-0.013	0.007	0.051	0.002	60.357	TRUE	3.65E-12
FEV1	FNIP2	rs77229150	A	C	-0.116	0.018	0.052	2.28E-10	0.003	0.005	0.483	0.001	40.208	TRUE	3.34E-09
FEV1	FNIP2	rs78126162	C	T	-0.156	0.020	0.044	4.61E-15	0.010	0.005	0.075	0.002	61.415	TRUE	1.61E-12
FEV1	FNIP2	rs78665148	C	A	-0.137	0.023	0.034	1.32E-09	-0.009	0.006	0.157	0.001	36.784	TRUE	4.91E-08
FEV1	FOXK1	rs10246759	T	C	-0.051	0.009	0.440	1.14E-08	-0.002	0.002	0.352	0.001	32.586	TRUE	1.56E-07
FEV1	FOXK1	rs10262715	A	G	0.329	0.009	0.396	6.55E-281	0.006	0.002	0.009	0.039	1282.603	TRUE	1.04E-246
FEV1	FOXK1	rs112342053	T	C	0.217	0.030	0.031	2.52E-13	0.004	0.006	0.480	0.002	53.547	TRUE	7.27E-12
FEV1	FOXK1	rs117071851	T	C	0.207	0.033	0.027	5.58E-10	0.007	0.006	0.225	0.001	38.460	TRUE	1.70E-08
FEV1	FOXK1	rs118191124	T	G	0.272	0.030	0.027	1.63E-19	-0.006	0.007	0.433	0.003	81.640	TRUE	2.22E-17
FEV1	FOXK1	rs12701878	A	G	-0.247	0.033	0.025	4.45E-14	-0.011	0.006	0.063	0.002	56.956	TRUE	1.45E-11
FEV1	FOXK1	rs28658109	C	T	-0.118	0.012	0.169	2.65E-23	-0.003	0.003	0.393	0.003	98.896	TRUE	9.71E-21
FEV1	FOXK1	rs2969497	C	T	0.071	0.013	0.142	1.70E-08	-0.004	0.004	0.311	0.001	31.810	TRUE	2.51E-07
FEV1	FOXK1	rs57319005	T	C	-0.222	0.018	0.082	1.09E-33	0.007	0.005	0.130	0.005	146.343	TRUE	2.92E-29
FEV1	FOXK1	rs62453197	G	A	-0.108	0.016	0.090	2.29E-11	-0.001	0.004	0.868	0.001	44.702	TRUE	1.64E-10
FEV1	FOXK1	rs6975499	G	A	0.175	0.011	0.233	7.18E-57	0.004	0.003	0.162	0.008	252.545	TRUE	3.31E-50
FEV1	FOXK1	rs73044587	T	C	0.147	0.022	0.053	3.47E-11	0.008	0.005	0.084	0.001	43.890	TRUE	3.36E-09
FEV1	FOXK1	rs74766197	T	G	0.183	0.019	0.072	8.61E-23	0.005	0.004	0.277	0.003	96.564	TRUE	5.24E-20
FEV1	FOXK1	rs76666907	A	G	-0.133	0.017	0.084	2.54E-14	-0.008	0.004	0.035	0.002	58.061	TRUE	1.37E-11
FEV1	FOXK1	rs76747878	T	C	-0.175	0.032	0.027	3.38E-08	-0.001	0.009	0.895	0.001	30.475	TRUE	1.30E-07
FEV1	FOXK1	rs80033128	C	T	0.195	0.028	0.032	3.32E-12	0.012	0.005	0.031	0.002	48.486	TRUE	9.71E-10
FEV1	FTH1	rs111605165	A	G	-0.605	0.019	0.049	1.51E-217	-0.013	0.006	0.025	0.030	991.074	TRUE	7.25E-192
FEV1	FTH1	rs11230827	A	G	0.118	0.019	0.047	4.74E-10	0.014	0.008	0.068	0.001	38.778	TRUE	3.79E-08
FEV1	FTH1	rs11230961	C	G	-0.148	0.013	0.122	1.25E-29	0.007	0.004	0.114	0.004	127.777	TRUE	1.49E-25
FEV1	FTH1	rs11230996	T	C	-0.060	0.008	0.382	2.24E-13	0.002	0.002	0.531	0.002	53.778	TRUE	5.67E-12
FEV1	FTH1	rs12576538	A	G	-0.074	0.008	0.485	4.35E-20	-0.002	0.002	0.461	0.003	84.249	TRUE	5.64E-18
FEV1	FTH1	rs174602	C	T	0.062	0.011	0.195	5.23E-09	0.003	0.003	0.361	0.001	34.101	TRUE	7.99E-08
FEV1	FTH1	rs259873	G	T	-0.071	0.009	0.323	1.47E-15	0.001	0.003	0.695	0.002	63.667	TRUE	3.62E-14
FEV1	FTH1	rs259874	A	G	0.091	0.012	0.138	2.01E-13	0.003	0.004	0.458	0.002	53.996	TRUE	6.26E-12
FEV1	FTH1	rs259879	C	A	-0.123	0.009	0.302	3.02E-45	0.002	0.003	0.472	0.006	199.256	TRUE	8.06E-41
FEV1	FTH1	rs259889	C	T	0.076	0.009	0.589	4.98E-18	-0.001	0.002	0.640	0.002	74.884	TRUE	2.36E-16
FEV1	FTH1	rs2727269	G	A	-0.055	0.008	0.443	5.24E-12	-0.009	0.002	1.70E-04	0.001	47.590	TRUE	1.88E-08
FEV1	FTH1	rs509360	A	G	-0.067	0.009	0.365	1.59E-14	0.007	0.003	0.005	0.002	58.979	TRUE	3.32E-11
FEV1	FTH1	rs6591661	C	T	0.072	0.013	0.149	3.37E-08	-0.001	0.004	0.903	0.001	30.477	TRUE	1.32E-07
FEV1	FTH1	rs74958193	C	G	0.090	0.016	0.072	7.80E-09	0.000	0.005	0.941	0.001	33.323	TRUE	3.11E-08
FEV1	FTH1	rs972354	T	C	0.130	0.012	0.125	9.38E-27	-0.003	0.004	0.415	0.004	114.647	TRUE	6.88E-24
FEV1	FYCO1	rs114289482	A	G	0.111	0.018	0.052	1.89E-09	0.004	0.005	0.423	0.001	36.084	TRUE	2.66E-08
FEV1	FYCO1	rs12638598	A	G	-0.107	0.016	0.075	1.77E-11	-0.009	0.005	0.084	0.001	45.207	TRUE	1.89E-09
FEV1	FYCO1	rs2276856	T	C	-0.455	0.029	0.021	3.27E-57	-0.019	0.009	0.025	0.008	254.112	TRUE	4.83E-49
FEV1	FYCO1	rs4683191	T	C	0.107	0.015	0.099	3.98E-13	-0.005	0.004	0.249	0.002	52.649	TRUE	2.62E-11
FEV1	FYCO1	rs6781121	A	C	0.111	0.008	0.443	6.68E-44	0.003	0.002	0.290	0.006	193.093	TRUE	5.01E-39
FEV1	FYCO1	rs7652331	T	C	0.089	0.008	0.368	5.39E-27	0.001	0.002	0.647	0.004	115.744	TRUE	1.52E-24

FEV1	FYCO1	rs77572578	C	T	-0.131	0.019	0.046	6.28E-12	-0.001	0.005	0.922	0.001	47.238	TRUE	4.50E-11
FEV1	GAB2	rs1318241	T	C	0.182	0.011	0.169	1.62E-60	-0.007	0.003	0.036	0.008	269.277	TRUE	3.64E-52
FEV1	GAB2	rs17753400	A	C	0.209	0.029	0.025	6.82E-13	-0.005	0.008	0.548	0.002	51.592	TRUE	1.47E-11
FEV1	GAB2	rs75268099	T	C	0.203	0.029	0.024	1.47E-12	-0.012	0.008	0.112	0.002	50.089	TRUE	1.78E-10
FEV1	GAB2	rs79023139	C	A	0.103	0.014	0.087	1.16E-12	-0.006	0.004	0.169	0.002	50.552	TRUE	9.81E-11
FEV1	GALC	rs111291798	A	C	-0.293	0.039	0.016	9.75E-14	-0.016	0.010	0.101	0.002	55.412	TRUE	1.86E-11
FEV1	GALC	rs112573935	A	G	-0.356	0.035	0.016	1.03E-23	-0.006	0.009	0.507	0.003	100.767	TRUE	2.61E-21
FEV1	GALC	rs117566760	A	G	-0.233	0.034	0.017	4.71E-12	-0.010	0.008	0.238	0.002	47.803	TRUE	2.38E-10
FEV1	GALC	rs11851460	A	G	-0.234	0.035	0.016	2.82E-11	-0.002	0.012	0.893	0.001	44.297	TRUE	1.91E-10
FEV1	GALC	rs119512	G	A	0.173	0.009	0.300	1.59E-84	0.007	0.003	0.007	0.012	379.495	TRUE	2.53E-72
FEV1	GALC	rs12185054	G	A	-0.167	0.024	0.032	1.79E-12	-0.002	0.007	0.776	0.002	49.699	TRUE	1.99E-11
FEV1	GALC	rs12883745	G	A	0.063	0.009	0.293	7.14E-13	0.003	0.003	0.272	0.002	51.503	TRUE	4.00E-11
FEV1	GALC	rs140349512	C	T	-0.367	0.034	0.016	1.47E-27	0.001	0.010	0.896	0.004	118.319	TRUE	1.84E-25
FEV1	GALC	rs151117479	T	C	0.128	0.018	0.059	2.98E-13	0.007	0.005	0.149	0.002	53.219	TRUE	3.38E-11
FEV1	GALC	rs17124166	T	C	-0.075	0.010	0.221	5.24E-15	-0.004	0.003	0.214	0.002	61.164	TRUE	6.61E-13
FEV1	GALC	rs17124375	C	T	-0.188	0.032	0.021	4.00E-09	-0.004	0.008	0.634	0.001	34.619	TRUE	3.12E-08
FEV1	GALC	rs181231952	A	G	-0.266	0.031	0.020	1.05E-17	0.000	0.009	0.969	0.002	73.417	TRUE	1.83E-16
FEV1	GALC	rs1959710	A	G	-0.090	0.010	0.182	2.87E-18	-0.004	0.003	0.261	0.002	75.971	TRUE	6.43E-16
FEV1	GALC	rs28533072	T	C	-0.353	0.009	0.243	0.00E+00	-0.007	0.003	0.013	0.044	1450.922	TRUE	1.94E-279
FEV1	GALC	rs35163965	T	C	0.271	0.026	0.030	3.59E-25	0.008	0.008	0.276	0.003	107.418	TRUE	3.72E-22
FEV1	GALC	rs3559	G	A	-0.051	0.009	0.283	7.81E-09	0.003	0.003	0.295	0.001	33.319	TRUE	1.33E-07
FEV1	GALC	rs4904431	G	A	-0.160	0.012	0.133	9.71E-41	-0.001	0.004	0.882	0.006	178.607	TRUE	1.37E-37
FEV1	GALC	rs56881507	A	G	-0.261	0.036	0.015	3.08E-13	-0.004	0.012	0.723	0.002	53.155	TRUE	4.50E-12
FEV1	GALC	rs57593039	T	C	0.080	0.014	0.090	1.85E-08	-0.004	0.004	0.371	0.001	31.643	TRUE	2.28E-07
FEV1	GALC	rs7145673	C	T	-0.096	0.009	0.277	5.30E-26	-0.001	0.003	0.698	0.003	111.211	TRUE	1.01E-23
FEV1	GALC	rs72691830	G	A	0.185	0.033	0.021	3.44E-08	0.012	0.008	0.117	0.001	30.440	TRUE	1.03E-06
FEV1	GALC	rs72693876	A	C	0.166	0.024	0.030	7.71E-12	0.018	0.006	0.005	0.001	46.835	TRUE	5.57E-09
FEV1	GALC	rs72693888	A	G	0.247	0.039	0.014	2.79E-10	-0.006	0.011	0.585	0.001	39.811	TRUE	3.14E-09
FEV1	GALC	rs75247856	T	G	0.164	0.025	0.029	3.02E-11	0.007	0.007	0.338	0.001	44.161	TRUE	8.49E-10
FEV1	GALC	rs76824983	A	G	-0.362	0.022	0.035	6.58E-59	-0.005	0.007	0.449	0.008	261.894	TRUE	3.42E-53
FEV1	GALC	rs78607076	G	A	-0.181	0.017	0.065	1.09E-27	-0.001	0.005	0.817	0.004	118.921	TRUE	1.80E-25
FEV1	GALC	rs80251490	T	C	0.183	0.024	0.035	2.69E-14	0.001	0.006	0.841	0.002	57.948	TRUE	3.56E-13
FEV1	GBA	rs11264296	C	T	-0.072	0.012	0.443	1.65E-09	0.000	0.002	0.887	0.001	36.349	TRUE	7.99E-09
FEV1	GBA	rs11264345	A	T	0.260	0.013	0.294	2.77E-91	-0.009	0.003	6.44E-04	0.013	410.529	TRUE	7.37E-77
FEV1	GBA	rs11580824	T	C	0.124	0.019	0.111	3.79E-11	-0.004	0.004	0.336	0.001	43.718	TRUE	1.06E-09
FEV1	GBA	rs12026113	T	A	-0.097	0.015	0.179	2.79E-10	-0.002	0.003	0.572	0.001	39.816	TRUE	3.21E-09
FEV1	GBA	rs12406363	C	T	0.209	0.035	0.047	2.50E-09	0.001	0.010	0.929	0.001	35.536	TRUE	1.11E-08
FEV1	GBA	rs12752133	T	C	0.574	0.071	0.020	6.67E-16	-0.015	0.010	0.145	0.002	65.224	TRUE	1.60E-13
FEV1	GBA	rs1462854	A	T	0.150	0.025	0.058	3.17E-09	-0.003	0.005	0.553	0.001	35.075	TRUE	3.01E-08
FEV1	GBA	rs147869881	T	C	0.257	0.045	0.027	1.26E-08	-0.004	0.007	0.564	0.001	32.390	TRUE	1.04E-07
FEV1	GBA	rs149713202	A	G	-0.234	0.039	0.034	1.73E-09	0.000	0.007	0.960	0.001	36.253	TRUE	7.35E-09
FEV1	GBA	rs188978150	C	T	-0.257	0.046	0.023	2.24E-08	-0.006	0.010	0.537	0.001	31.271	TRUE	1.85E-07

FEV1	GBA	rs6667285	T	C	-0.207	0.030	0.050	8.10E-12	0.003	0.005	0.530	0.001	46.739	TRUE	1.46E-10
FEV1	GBA	rs76830943	C	T	0.094	0.016	0.158	1.18E-08	-0.006	0.003	0.083	0.001	32.520	TRUE	5.09E-07
FEV1	GBA	rs78003115	A	G	-0.193	0.023	0.104	1.58E-17	-0.004	0.004	0.332	0.002	72.606	TRUE	2.10E-15
FEV1	GHITM	rs11200796	T	C	0.219	0.019	0.048	1.67E-31	-0.007	0.006	0.228	0.004	136.349	TRUE	1.07E-27
FEV1	GHITM	rs11200896	T	C	-0.083	0.009	0.268	2.12E-20	0.003	0.003	0.226	0.003	85.672	TRUE	1.01E-17
FEV1	GHITM	rs11201096	A	G	-0.061	0.009	0.270	6.37E-12	0.005	0.003	0.064	0.001	47.210	TRUE	9.92E-10
FEV1	GHITM	rs11511521	A	G	-0.180	0.008	0.365	3.00E-106	0.003	0.002	0.202	0.015	479.288	TRUE	6.29E-95
FEV1	GHITM	rs12261669	T	G	-0.315	0.020	0.045	2.03E-57	-0.006	0.006	0.310	0.008	255.057	TRUE	2.29E-51
FEV1	GHITM	rs12770832	T	C	0.089	0.011	0.165	5.89E-16	-0.004	0.003	0.151	0.002	65.470	TRUE	1.35E-13
FEV1	GHITM	rs4244945	A	G	0.058	0.009	0.254	4.39E-10	-0.003	0.003	0.363	0.001	38.928	TRUE	8.80E-09
FEV1	GHITM	rs524265	T	G	0.080	0.013	0.117	6.08E-10	0.000	0.004	0.955	0.001	38.294	TRUE	2.82E-09
FEV1	GHITM	rs55880182	T	C	-0.128	0.018	0.056	4.83E-13	-0.006	0.005	0.210	0.002	52.270	TRUE	3.72E-11
FEV1	GHITM	rs61865122	A	G	0.163	0.027	0.026	7.28E-10	0.016	0.007	0.026	0.001	37.941	TRUE	1.02E-07
FEV1	GHITM	rs66846769	A	G	-0.074	0.012	0.126	1.87E-09	0.009	0.003	0.010	0.001	36.099	TRUE	3.59E-07
FEV1	GHITM	rs7080190	A	G	0.114	0.013	0.108	5.23E-19	-0.004	0.004	0.328	0.002	79.333	TRUE	1.05E-16
FEV1	GHITM	rs7096040	T	C	-0.063	0.009	0.298	4.13E-13	-0.002	0.003	0.408	0.002	52.577	TRUE	1.39E-11
FEV1	GHITM	rs72837985	T	C	0.139	0.019	0.046	3.80E-13	-0.007	0.005	0.195	0.002	52.742	TRUE	3.19E-11
FEV1	GHITM	rs74322543	G	A	0.155	0.024	0.032	1.32E-10	-0.005	0.008	0.518	0.001	41.276	TRUE	1.86E-09
FEV1	GHITM	rs77188443	A	G	0.534	0.017	0.060	2.46E-226	-0.013	0.005	0.012	0.032	1031.507	TRUE	1.17E-198
FEV1	GHITM	rs7914047	T	A	0.119	0.012	0.144	9.34E-23	0.004	0.003	0.298	0.003	96.403	TRUE	4.83E-20
FEV1	GLB1	rs11717007	C	A	0.200	0.009	0.230	9.39E-100	0.012	0.003	9.89E-06	0.014	449.447	TRUE	1.06E-81
FEV1	GLB1	rs12186107	T	C	0.104	0.011	0.148	1.63E-19	0.007	0.003	0.038	0.003	81.633	TRUE	4.46E-16
FEV1	GLB1	rs148730537	T	C	0.214	0.027	0.027	5.34E-15	0.014	0.007	0.044	0.002	61.127	TRUE	3.08E-12
FEV1	GLB1	rs35289681	A	G	-0.251	0.036	0.016	3.17E-12	-0.007	0.008	0.383	0.002	48.578	TRUE	9.83E-11
FEV1	GLB1	rs35480293	A	C	-0.178	0.011	0.171	5.68E-64	0.000	0.003	0.942	0.009	285.126	TRUE	4.09E-59
FEV1	GLB1	rs35548241	G	A	-0.130	0.009	0.254	3.10E-46	-0.008	0.003	0.003	0.006	203.787	TRUE	3.29E-38
FEV1	GLB1	rs60761526	G	A	-0.083	0.009	0.286	6.85E-21	-0.007	0.003	0.011	0.003	87.904	TRUE	7.86E-17
FEV1	GLB1	rs62250478	T	C	0.088	0.008	0.393	6.26E-27	0.000	0.002	0.932	0.004	115.448	TRUE	6.09E-25
FEV1	GLB1	rs6773595	T	C	0.146	0.011	0.175	1.13E-43	-0.001	0.003	0.701	0.006	192.043	TRUE	6.92E-40
FEV1	GLB1	rs7628519	T	G	0.052	0.009	0.257	1.41E-08	0.000	0.003	0.945	0.001	32.165	TRUE	5.40E-08
FEV1	GLB1	rs9810955	A	G	-0.228	0.029	0.020	8.83E-15	0.017	0.008	0.034	0.002	60.136	TRUE	5.57E-12
FEV1	GLB1	rs9827453	T	C	0.224	0.025	0.026	9.94E-19	-0.011	0.008	0.198	0.002	78.067	TRUE	3.54E-16
FEV1	GLS	rs115938555	A	G	-0.144	0.022	0.043	2.51E-11	0.007	0.007	0.268	0.001	44.521	TRUE	9.28E-10
FEV1	GLS	rs116520924	A	G	0.171	0.024	0.034	5.30E-13	-0.008	0.006	0.156	0.002	52.087	TRUE	5.46E-11
FEV1	GLS	rs116681266	A	G	0.271	0.025	0.032	1.91E-27	-0.009	0.006	0.124	0.004	117.802	TRUE	1.18E-23
FEV1	GLS	rs117660443	A	G	0.325	0.054	0.051	2.44E-09	-0.004	0.013	0.767	0.001	35.584	TRUE	1.51E-08
FEV1	GLS	rs13012785	A	T	0.104	0.016	0.070	8.84E-11	-0.009	0.005	0.057	0.001	42.060	TRUE	1.01E-08
FEV1	GLS	rs13410837	G	A	0.237	0.029	0.024	4.23E-16	-0.003	0.007	0.684	0.002	66.122	TRUE	1.23E-14
FEV1	GLS	rs145048940	C	A	0.265	0.031	0.021	2.61E-17	0.003	0.008	0.675	0.002	71.618	TRUE	9.79E-16
FEV1	GLS	rs35672585	A	G	0.076	0.011	0.154	6.16E-12	-0.007	0.003	0.048	0.001	47.277	TRUE	1.18E-09
FEV1	GLS	rs3755311	A	G	0.173	0.029	0.020	4.40E-09	-0.016	0.008	0.040	0.001	34.436	TRUE	3.53E-07
FEV1	GLS	rs3860472	T	C	0.230	0.032	0.024	3.85E-13	-0.001	0.008	0.918	0.002	52.713	TRUE	3.45E-12

FEV1	GLS	rs41382444	T	C	-0.126	0.017	0.064	2.80E-14	0.002	0.005	0.681	0.002	57.866	TRUE	5.57E-13
FEV1	GLS	rs4366932	T	C	0.123	0.008	0.376	1.01E-50	-0.002	0.002	0.376	0.007	224.351	TRUE	1.53E-45
FEV1	GLS	rs4438514	A	G	0.094	0.008	0.354	2.98E-29	-0.010	0.002	2.80E-05	0.004	126.055	TRUE	4.96E-22
FEV1	GLS	rs45526631	T	C	-0.193	0.024	0.030	1.08E-15	0.008	0.008	0.329	0.002	64.271	TRUE	9.30E-14
FEV1	GLS	rs62179713	T	C	0.187	0.031	0.020	1.85E-09	-0.005	0.009	0.552	0.001	36.125	TRUE	1.89E-08
FEV1	GLS	rs62181023	G	T	-0.085	0.012	0.148	1.91E-12	0.003	0.003	0.434	0.002	49.567	TRUE	5.31E-11
FEV1	GLS	rs6733720	G	C	-0.113	0.010	0.182	5.45E-28	0.004	0.003	0.255	0.004	120.290	TRUE	1.25E-24
FEV1	GLS	rs72913156	A	C	0.070	0.008	0.403	2.79E-17	0.003	0.002	0.214	0.002	71.486	TRUE	6.34E-15
FEV1	GLS	rs887695	T	C	0.095	0.009	0.254	3.67E-25	-0.009	0.003	5.81E-04	0.003	107.377	TRUE	1.69E-19
FEV1	GNS	rs1008159	C	T	-0.186	0.013	0.113	5.75E-50	0.005	0.004	0.233	0.007	220.888	TRUE	2.72E-44
FEV1	GNS	rs10459261	G	C	0.087	0.015	0.078	4.17E-09	-0.008	0.005	0.099	0.001	34.542	TRUE	1.86E-07
FEV1	GNS	rs111381048	T	G	-0.086	0.015	0.083	1.24E-08	-0.004	0.004	0.338	0.001	32.415	TRUE	1.84E-07
FEV1	GNS	rs11175598	G	T	0.119	0.021	0.042	7.52E-09	-0.003	0.006	0.648	0.001	33.393	TRUE	5.35E-08
FEV1	GNS	rs11175628	C	A	-0.094	0.014	0.100	9.28E-12	-0.007	0.004	0.084	0.001	46.471	TRUE	1.09E-09
FEV1	GNS	rs1147093	A	G	-0.173	0.008	0.397	7.85E-102	0.006	0.002	0.017	0.014	458.994	TRUE	1.78E-88
FEV1	GNS	rs11615626	G	T	0.080	0.008	0.351	9.02E-22	0.003	0.003	0.170	0.003	91.916	TRUE	8.30E-19
FEV1	GNS	rs12824259	T	C	0.125	0.011	0.158	4.74E-30	0.003	0.003	0.442	0.004	129.700	TRUE	5.93E-27
FEV1	GNS	rs1373877	C	T	-0.085	0.008	0.464	5.98E-27	0.003	0.002	0.198	0.004	115.538	TRUE	1.49E-23
FEV1	GNS	rs143922148	T	C	0.151	0.024	0.032	1.20E-10	0.013	0.008	0.080	0.001	41.455	TRUE	1.07E-08
FEV1	GNS	rs1566318	A	G	0.046	0.008	0.414	1.36E-08	-0.006	0.002	0.010	0.001	32.235	TRUE	1.79E-06
FEV1	GNS	rs17100718	T	G	-0.156	0.021	0.041	2.44E-13	0.015	0.006	0.019	0.002	53.615	TRUE	1.47E-10
FEV1	GNS	rs1716487	T	G	0.064	0.008	0.450	1.11E-15	-0.008	0.002	5.39E-04	0.002	64.214	TRUE	1.41E-11
FEV1	GNS	rs17823705	G	A	0.139	0.012	0.132	1.46E-32	0.004	0.004	0.319	0.004	141.187	TRUE	6.51E-29
FEV1	GNS	rs34895146	T	C	0.163	0.023	0.040	6.35E-13	-0.003	0.006	0.675	0.002	51.733	TRUE	9.77E-12
FEV1	GNS	rs59270299	C	T	-0.501	0.032	0.019	2.10E-54	-0.005	0.011	0.665	0.008	241.233	TRUE	1.19E-49
FEV1	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	-0.007	0.006	0.231	0.003	100.450	TRUE	1.17E-20
FEV1	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	0.013	0.006	0.027	0.002	59.231	TRUE	1.05E-11
FEV1	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	-0.002	0.003	0.589	0.003	80.015	TRUE	2.78E-17
FEV1	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	-0.007	0.006	0.232	0.004	136.489	TRUE	9.71E-28
FEV1	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	0.008	0.006	0.139	0.009	296.275	TRUE	1.30E-58
FEV1	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	-0.001	0.007	0.888	0.013	406.342	TRUE	3.24E-83
FEV1	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	-0.009	0.007	0.234	0.015	467.091	TRUE	9.11E-93
FEV1	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	0.005	0.004	0.223	0.023	740.366	TRUE	2.58E-146
FEV1	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	0.001	0.009	0.944	0.003	99.048	TRUE	1.22E-21
FEV1	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	-0.008	0.008	0.334	0.001	34.973	TRUE	5.62E-08
FEV1	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	0.017	0.007	0.014	0.016	507.390	TRUE	1.72E-97
FEV1	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	0.006	0.008	0.470	0.005	156.475	TRUE	2.63E-32
FEV1	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	0.001	0.006	0.924	0.009	283.165	TRUE	1.20E-58
FEV1	GSDMB	rs11871317	G	C	-0.325	0.010	0.243	8.62E-230	0.010	0.003	1.10E-04	0.032	1047.407	TRUE	5.81E-197
FEV1	GSDMB	rs12449642	T	A	-0.411	0.010	0.202	0.00E+00	0.007	0.003	0.017	0.053	1778.099	TRUE	0.00E+00
FEV1	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	-0.018	0.003	6.16E-10	0.092	3205.686	TRUE	0.00E+00
FEV1	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	0.002	0.002	0.430	0.005	167.364	TRUE	2.21E-34

FEV1	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	0.005	0.002	0.048	0.031	1019.370	TRUE	4.08E-198
FEV1	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	0.003	0.003	0.391	0.003	87.204	TRUE	2.06E-18
FEV1	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	-0.001	0.009	0.933	0.016	503.835	TRUE	8.59E-103
FEV1	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	-0.024	0.007	5.15E-04	0.007	222.293	TRUE	6.12E-41
FEV1	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	0.000	0.009	0.962	0.001	33.205	TRUE	3.13E-08
FEV1	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	-0.018	0.011	0.124	0.001	33.754	TRUE	2.27E-07
FEV1	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	-0.007	0.005	0.218	0.011	352.288	TRUE	4.35E-70
FEV1	GSDMB	rs142899349	C	T	-1.043	0.058	0.019	6.68E-72	-0.011	0.016	0.478	0.010	321.522	TRUE	4.16E-65
FEV1	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	-0.014	0.010	0.151	0.002	47.640	TRUE	3.97E-10
FEV1	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	0.015	0.010	0.136	0.002	59.413	TRUE	2.34E-12
FEV1	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	-0.015	0.009	0.074	0.007	214.750	TRUE	3.69E-42
FEV1	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	-0.003	0.008	0.699	0.001	37.506	TRUE	7.02E-09
FEV1	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	-0.003	0.009	0.709	0.002	55.410	TRUE	1.64E-12
FEV1	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	0.007	0.003	0.028	0.005	145.706	TRUE	3.08E-28
FEV1	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	0.011	0.007	0.135	0.011	352.652	TRUE	1.20E-69
FEV1	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	-0.008	0.009	0.370	0.002	76.968	TRUE	2.43E-16
FEV1	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	-0.024	0.010	0.015	0.003	95.228	TRUE	2.59E-18
FEV1	GSDMB	rs150260796	G	A	0.337	0.023	0.039	1.07E-47	-0.004	0.009	0.668	0.007	210.474	TRUE	1.61E-43
FEV1	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	0.003	0.011	0.757	0.001	45.430	TRUE	1.52E-10
FEV1	GSDMB	rs150916518	T	C	-0.851	0.066	0.035	5.41E-38	0.017	0.027	0.530	0.005	166.033	TRUE	2.35E-34
FEV1	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	0.003	0.004	0.482	0.001	35.981	TRUE	2.35E-08
FEV1	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	0.014	0.011	0.188	0.001	36.499	TRUE	4.83E-08
FEV1	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	-0.004	0.003	0.185	0.003	106.322	TRUE	1.22E-21
FEV1	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	0.000	0.002	0.999	0.004	130.155	TRUE	5.08E-28
FEV1	GSDMB	rs1733805	G	T	-0.084	0.012	0.119	5.13E-12	-0.006	0.003	0.089	0.002	47.634	TRUE	6.10E-10
FEV1	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	-0.002	0.010	0.833	0.001	42.138	TRUE	5.99E-10
FEV1	GSDMB	rs186413878	C	T	-0.794	0.096	0.021	1.85E-16	-0.009	0.017	0.602	0.002	67.752	TRUE	7.32E-15
FEV1	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	-0.009	0.009	0.313	0.002	67.752	TRUE	2.02E-14
FEV1	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	0.001	0.005	0.818	0.003	98.282	TRUE	2.71E-21
FEV1	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	-0.001	0.003	0.849	0.003	105.802	TRUE	7.30E-23
FEV1	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	-0.005	0.004	0.176	0.007	222.121	TRUE	2.43E-44
FEV1	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	0.005	0.006	0.365	0.006	179.383	TRUE	1.33E-36
FEV1	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	-0.018	0.003	6.73E-12	0.048	1598.167	TRUE	7.94E-289
FEV1	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	-0.006	0.004	0.126	0.002	50.240	TRUE	1.44E-10
FEV1	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	0.000	0.006	0.979	0.019	624.369	TRUE	6.39E-127
FEV1	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	0.006	0.003	0.028	0.168	6416.153	TRUE	0.00E+00
FEV1	GSDMB	rs4420582	A	C	-0.195	0.026	0.029	3.46E-14	-0.009	0.007	0.213	0.002	57.449	TRUE	3.47E-12
FEV1	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	-0.001	0.005	0.811	0.004	121.191	TRUE	6.52E-26
FEV1	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	-0.002	0.003	0.409	0.005	165.347	TRUE	6.52E-34
FEV1	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	0.008	0.010	0.417	0.002	52.472	TRUE	1.49E-11
FEV1	GSDMB	rs506728	C	G	-0.122	0.010	0.200	7.12E-35	-0.001	0.003	0.653	0.005	151.758	TRUE	9.71E-32
FEV1	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	0.006	0.003	0.054	0.005	167.025	TRUE	1.02E-32

FEV1	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	0.007	0.006	0.222	0.003	91.090	TRUE	8.43E-19
FEV1	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	-0.004	0.010	0.671	0.002	72.620	TRUE	6.20E-16
FEV1	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	0.002	0.007	0.780	0.002	51.211	TRUE	9.84E-12
FEV1	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	0.004	0.006	0.443	0.003	107.555	TRUE	1.54E-22
FEV1	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	0.002	0.004	0.632	0.002	59.440	TRUE	3.16E-13
FEV1	GSDMB	rs7214466	C	T	0.144	0.010	0.279	3.90E-49	0.001	0.003	0.684	0.007	217.078	TRUE	7.51E-45
FEV1	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	0.001	0.008	0.920	0.002	67.584	TRUE	3.23E-15
FEV1	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	0.002	0.005	0.691	0.006	190.987	TRUE	1.14E-39
FEV1	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	0.000	0.005	0.974	0.001	34.801	TRUE	1.46E-08
FEV1	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	0.023	0.007	0.002	0.006	185.558	TRUE	1.60E-34
FEV1	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	0.027	0.012	0.019	0.002	71.753	TRUE	5.63E-14
FEV1	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	0.005	0.003	0.046	0.060	2016.058	TRUE	0.00E+00
FEV1	GSDMB	rs72832924	T	C	0.451	0.010	0.170	0.00E+00	0.008	0.003	0.014	0.056	1893.225	TRUE	0.00E+00
FEV1	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	-0.018	0.007	0.008	0.003	90.712	TRUE	2.93E-17
FEV1	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	-0.008	0.004	0.078	0.026	839.055	TRUE	5.73E-164
FEV1	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	-0.001	0.007	0.873	0.003	97.751	TRUE	2.84E-21
FEV1	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	-0.003	0.006	0.631	0.010	324.865	TRUE	3.03E-66
FEV1	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	0.003	0.009	0.739	0.001	37.320	TRUE	7.12E-09
FEV1	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	0.008	0.010	0.426	0.003	98.761	TRUE	9.00E-21
FEV1	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	-0.001	0.005	0.883	0.001	33.061	TRUE	3.98E-08
FEV1	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	0.004	0.004	0.280	0.002	53.670	TRUE	1.40E-11
FEV1	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	0.005	0.011	0.650	0.001	34.662	TRUE	2.98E-08
FEV1	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	0.012	0.009	0.179	0.004	129.419	TRUE	3.73E-26
FEV1	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	0.019	0.008	0.019	0.007	215.754	TRUE	1.79E-41
FEV1	GSDMB	rs75905358	C	G	0.299	0.010	0.210	3.78E-209	0.002	0.003	0.430	0.029	952.447	TRUE	2.55E-189
FEV1	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	-0.012	0.011	0.277	0.001	37.710	TRUE	1.98E-08
FEV1	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	-0.003	0.008	0.675	0.017	536.325	TRUE	2.13E-108
FEV1	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	-0.002	0.003	0.540	0.002	65.062	TRUE	3.02E-14
FEV1	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	0.004	0.004	0.315	0.002	72.603	TRUE	2.23E-15
FEV1	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	0.010	0.008	0.223	0.001	30.652	TRUE	5.77E-07
FEV1	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	0.005	0.005	0.335	0.013	411.836	TRUE	1.97E-82
FEV1	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	-0.011	0.007	0.117	0.003	81.876	TRUE	1.22E-16
FEV1	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	0.006	0.006	0.285	0.019	624.240	TRUE	5.46E-124
FEV1	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	-0.001	0.003	0.834	0.005	154.490	TRUE	1.17E-32
FEV1	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	0.005	0.002	0.052	0.003	81.045	TRUE	4.65E-16
FEV1	GSDMB	rs8071312	A	G	-0.170	0.025	0.031	6.03E-12	0.007	0.006	0.231	0.001	47.318	TRUE	3.04E-10
FEV1	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	-0.007	0.002	0.004	0.001	31.239	TRUE	3.99E-06
FEV1	GSK3B	rs114155753	T	C	0.296	0.021	0.042	1.73E-45	-0.001	0.006	0.914	0.006	200.362	TRUE	5.25E-42
FEV1	GSK3B	rs114321176	T	C	0.189	0.034	0.016	4.39E-08	-0.011	0.009	0.231	0.001	29.969	TRUE	7.69E-07
FEV1	GSK3B	rs114688189	A	G	-0.202	0.035	0.015	1.06E-08	0.008	0.009	0.353	0.001	32.723	TRUE	1.49E-07
FEV1	GSK3B	rs1259322	G	C	0.109	0.014	0.093	1.67E-15	0.006	0.004	0.121	0.002	63.422	TRUE	4.37E-13
FEV1	GSK3B	rs12632325	C	G	0.249	0.010	0.206	4.74E-142	0.009	0.003	0.004	0.020	643.859	TRUE	1.31E-122

FEV1	GSK3B	rs12636534	A	G	0.150	0.011	0.147	3.35E-39	0.001	0.004	0.805	0.005	171.568	TRUE	5.15E-36
FEV1	GSK3B	rs13077863	G	A	0.065	0.011	0.154	9.77E-09	0.010	0.003	0.004	0.001	32.884	TRUE	2.23E-06
FEV1	GSK3B	rs1357459	C	T	0.050	0.009	0.308	1.92E-08	-0.001	0.003	0.623	0.001	31.573	TRUE	1.39E-07
FEV1	GSK3B	rs143581696	A	C	0.224	0.027	0.026	6.92E-17	0.009	0.007	0.205	0.002	69.691	TRUE	1.51E-14
FEV1	GSK3B	rs148919020	G	A	-0.191	0.029	0.024	7.32E-11	-0.014	0.009	0.097	0.001	42.430	TRUE	6.02E-09
FEV1	GSK3B	rs1523130	T	C	0.055	0.008	0.396	2.05E-11	0.003	0.002	0.246	0.001	44.917	TRUE	8.58E-10
FEV1	GSK3B	rs16829957	A	G	0.053	0.008	0.324	5.80E-10	0.000	0.003	0.858	0.001	38.385	TRUE	3.23E-09
FEV1	GSK3B	rs187489241	G	A	-0.111	0.014	0.108	6.98E-16	0.001	0.004	0.774	0.002	65.134	TRUE	1.49E-14
FEV1	GSK3B	rs192958568	C	T	-0.199	0.030	0.021	6.67E-11	-0.014	0.009	0.139	0.001	42.612	TRUE	4.02E-09
FEV1	GSK3B	rs28748088	C	A	0.147	0.013	0.101	7.36E-29	0.004	0.004	0.254	0.004	124.261	TRUE	2.12E-25
FEV1	GSK3B	rs378759	A	G	0.103	0.015	0.080	1.84E-12	-0.003	0.005	0.474	0.002	49.649	TRUE	4.50E-11
FEV1	GSK3B	rs4676777	G	C	-0.138	0.008	0.350	3.87E-62	-0.011	0.002	8.87E-06	0.009	276.712	TRUE	2.27E-49
FEV1	GSK3B	rs4676818	C	G	0.057	0.010	0.182	3.84E-08	0.005	0.003	0.098	0.001	30.226	TRUE	1.28E-06
FEV1	GSK3B	rs4688030	C	G	0.103	0.008	0.344	8.24E-35	0.002	0.003	0.359	0.005	151.468	TRUE	4.72E-31
FEV1	GSK3B	rs6438550	G	A	0.155	0.017	0.061	1.58E-20	0.014	0.005	0.011	0.003	86.250	TRUE	1.67E-16
FEV1	GSK3B	rs67369522	T	C	-0.273	0.021	0.042	3.87E-39	-0.011	0.006	0.093	0.005	171.280	TRUE	7.37E-34
FEV1	GSK3B	rs6765483	T	A	0.303	0.009	0.260	6.31E-253	0.010	0.003	2.13E-04	0.035	1153.845	TRUE	1.22E-217
FEV1	GSK3B	rs6772249	T	C	0.413	0.024	0.031	4.26E-66	0.014	0.007	0.037	0.009	294.880	TRUE	3.24E-57
FEV1	GSK3B	rs73192055	A	G	-0.178	0.028	0.025	1.46E-10	0.005	0.008	0.506	0.001	41.073	TRUE	2.13E-09
FEV1	GSK3B	rs74840836	T	C	0.171	0.028	0.022	1.32E-09	-0.002	0.010	0.842	0.001	36.779	TRUE	7.36E-09
FEV1	GSK3B	rs749768	T	C	-0.156	0.009	0.308	1.11E-73	-0.003	0.003	0.276	0.010	329.698	TRUE	6.86E-66
FEV1	GSK3B	rs787200	T	A	0.171	0.012	0.118	9.13E-44	0.007	0.004	0.048	0.006	192.471	TRUE	1.51E-37
FEV1	GSK3B	rs79098551	G	T	0.140	0.024	0.032	1.12E-08	0.008	0.009	0.319	0.001	32.623	TRUE	1.70E-07
FEV1	HIF1A	rs111522409	G	A	-0.305	0.019	0.044	1.73E-56	0.015	0.006	0.012	0.008	250.788	TRUE	6.54E-48
FEV1	HIF1A	rs117934878	T	C	-0.279	0.035	0.020	7.28E-16	0.009	0.008	0.304	0.002	65.053	TRUE	7.21E-14
FEV1	HIF1A	rs2253926	C	T	-0.056	0.009	0.273	2.79E-10	-0.001	0.003	0.651	0.001	39.813	TRUE	2.72E-09
FEV1	HIF1A	rs3783765	C	T	0.141	0.011	0.153	9.56E-38	-0.011	0.003	3.92E-04	0.005	164.901	TRUE	4.94E-30
FEV1	HIF1A	rs77899560	G	A	-0.261	0.035	0.017	5.34E-14	0.016	0.011	0.137	0.002	56.598	TRUE	8.02E-12
FEV1	HINT1	rs114252164	T	C	-0.391	0.056	0.016	3.24E-12	-0.009	0.008	0.269	0.002	48.533	TRUE	1.52E-10
FEV1	HINT1	rs13174592	C	T	-0.111	0.014	0.247	7.20E-16	0.007	0.003	0.012	0.002	65.072	TRUE	1.39E-12
FEV1	HINT1	rs17165949	G	A	0.099	0.018	0.129	1.76E-08	0.001	0.004	0.738	0.001	31.735	TRUE	9.74E-08
FEV1	HINT1	rs3864285	G	A	-0.695	0.033	0.032	1.24E-96	-0.017	0.007	0.019	0.014	435.113	TRUE	9.16E-84
FEV1	HIP1	rs10255591	C	T	0.190	0.010	0.222	1.23E-74	-0.006	0.003	0.039	0.010	334.087	TRUE	7.77E-65
FEV1	HIP1	rs10266630	T	C	-0.202	0.010	0.317	1.51E-85	0.003	0.003	0.260	0.012	384.186	TRUE	1.27E-76
FEV1	HIP1	rs10954258	T	C	-0.291	0.009	0.452	1.06E-252	0.005	0.002	0.039	0.035	1152.803	TRUE	8.72E-224
FEV1	HIP1	rs111362269	T	G	0.213	0.038	0.019	2.94E-08	0.023	0.010	0.026	0.001	30.745	TRUE	2.22E-06
FEV1	HIP1	rs1124922	G	A	0.473	0.023	0.038	2.63E-95	-0.003	0.005	0.551	0.013	429.008	TRUE	1.13E-86
FEV1	HIP1	rs113088829	C	T	0.343	0.021	0.052	2.12E-62	0.001	0.006	0.883	0.009	277.912	TRUE	1.67E-57
FEV1	HIP1	rs113986316	A	G	0.163	0.026	0.034	1.67E-10	-0.004	0.007	0.527	0.001	40.812	TRUE	2.30E-09
FEV1	HIP1	rs11465320	A	G	-0.296	0.025	0.039	1.36E-31	-0.005	0.006	0.402	0.004	136.750	TRUE	3.01E-28
FEV1	HIP1	rs1167832	T	C	-0.121	0.012	0.147	9.86E-23	-0.004	0.003	0.267	0.003	96.297	TRUE	6.33E-20
FEV1	HIP1	rs116971685	T	G	-0.303	0.027	0.035	7.13E-29	-0.002	0.006	0.716	0.004	124.324	TRUE	2.23E-26

FEV1	HIP1	rs117117921	G	A	-0.479	0.033	0.023	3.49E-48	0.001	0.008	0.864	0.007	212.715	TRUE	2.15E-44
FEV1	HIP1	rs117140329	A	G	0.244	0.033	0.024	2.05E-13	-0.004	0.007	0.541	0.002	53.948	TRUE	5.02E-12
FEV1	HIP1	rs117253096	T	C	0.179	0.018	0.078	1.34E-22	0.001	0.004	0.906	0.003	95.685	TRUE	6.66E-21
FEV1	HIP1	rs117323938	T	C	-0.285	0.014	0.134	1.27E-94	-0.001	0.003	0.840	0.013	425.870	TRUE	5.99E-87
FEV1	HIP1	rs117605738	A	G	0.322	0.035	0.021	9.20E-20	0.026	0.008	0.002	0.003	82.768	TRUE	2.61E-15
FEV1	HIP1	rs117649480	T	C	-0.500	0.072	0.012	4.36E-12	0.012	0.010	0.235	0.002	47.952	TRUE	2.25E-10
FEV1	HIP1	rs117821749	A	G	-0.509	0.093	0.014	4.80E-08	-0.001	0.010	0.904	0.001	29.794	TRUE	1.77E-07
FEV1	HIP1	rs117889072	G	A	0.466	0.029	0.032	5.43E-59	-0.017	0.006	0.005	0.008	262.275	TRUE	1.11E-49
FEV1	HIP1	rs1179597	G	A	-0.382	0.012	0.147	5.34E-216	0.010	0.003	0.004	0.030	983.957	TRUE	3.26E-188
FEV1	HIP1	rs1179607	C	T	-0.761	0.008	0.438	0.00E+00	0.007	0.002	0.006	0.244	10214.536	TRUE	0.00E+00
FEV1	HIP1	rs1179635	T	C	-0.141	0.009	0.427	2.29E-58	0.000	0.002	0.927	0.008	259.411	TRUE	6.44E-54
FEV1	HIP1	rs118130327	A	G	0.203	0.016	0.194	1.00E-34	-0.005	0.003	0.127	0.005	151.080	TRUE	3.66E-30
FEV1	HIP1	rs13227146	T	C	0.067	0.010	0.570	1.20E-11	0.000	0.003	0.880	0.001	45.974	TRUE	8.71E-11
FEV1	HIP1	rs13244544	A	G	-0.547	0.016	0.073	9.46E-243	0.010	0.004	0.023	0.034	1107.032	TRUE	5.63E-214
FEV1	HIP1	rs139790402	C	T	0.400	0.018	0.060	5.06E-106	0.002	0.005	0.673	0.015	478.249	TRUE	7.64E-97
FEV1	HIP1	rs142525880	A	C	0.718	0.069	0.019	4.22E-25	-0.002	0.009	0.830	0.003	107.099	TRUE	4.23E-23
FEV1	HIP1	rs142746230	A	T	-0.153	0.023	0.051	1.44E-11	-0.012	0.005	0.028	0.001	45.611	TRUE	3.39E-09
FEV1	HIP1	rs142823055	G	A	-0.560	0.069	0.017	6.93E-16	-0.006	0.014	0.646	0.002	65.150	TRUE	2.13E-14
FEV1	HIP1	rs142991897	A	G	-0.252	0.036	0.021	2.83E-12	-0.004	0.008	0.621	0.002	48.798	TRUE	4.48E-11
FEV1	HIP1	rs143228644	C	T	0.459	0.020	0.063	3.45E-120	-0.009	0.005	0.065	0.017	543.359	TRUE	5.22E-106
FEV1	HIP1	rs143388647	T	G	0.204	0.032	0.026	9.49E-11	-0.009	0.008	0.254	0.001	41.920	TRUE	3.15E-09
FEV1	HIP1	rs144241916	T	C	-0.561	0.073	0.015	2.09E-14	0.002	0.012	0.854	0.002	58.442	TRUE	2.75E-13
FEV1	HIP1	rs147472633	C	T	-0.548	0.027	0.031	1.49E-91	-0.004	0.007	0.570	0.013	411.770	TRUE	2.77E-83
FEV1	HIP1	rs147867091	A	G	-0.134	0.022	0.053	1.45E-09	-0.004	0.005	0.486	0.001	36.602	TRUE	1.75E-08
FEV1	HIP1	rs148332652	C	A	-0.279	0.043	0.016	9.76E-11	0.008	0.009	0.335	0.001	41.866	TRUE	2.44E-09
FEV1	HIP1	rs149456817	C	T	-0.419	0.064	0.016	4.20E-11	-0.005	0.012	0.664	0.001	43.515	TRUE	4.61E-10
FEV1	HIP1	rs150660972	A	G	0.326	0.027	0.033	7.08E-33	-0.006	0.006	0.381	0.004	142.622	TRUE	2.30E-29
FEV1	HIP1	rs17147106	A	G	0.236	0.038	0.045	6.35E-10	-0.004	0.006	0.533	0.001	38.207	TRUE	7.44E-09
FEV1	HIP1	rs184269644	A	G	0.307	0.044	0.016	1.76E-12	0.010	0.013	0.440	0.002	49.733	TRUE	4.83E-11
FEV1	HIP1	rs186995344	A	C	-0.441	0.060	0.021	1.33E-13	0.007	0.007	0.335	0.002	54.801	TRUE	6.66E-12
FEV1	HIP1	rs190555161	C	A	0.354	0.038	0.019	1.49E-20	-0.007	0.011	0.501	0.003	86.366	TRUE	1.93E-18
FEV1	HIP1	rs191630977	A	G	0.272	0.047	0.015	1.04E-08	-0.007	0.009	0.484	0.001	32.762	TRUE	1.03E-07
FEV1	HIP1	rs237231	C	A	-0.202	0.014	0.131	4.98E-46	0.000	0.003	0.934	0.006	202.841	TRUE	1.51E-42
FEV1	HIP1	rs2961032	C	T	-0.070	0.009	0.466	8.15E-16	0.002	0.002	0.301	0.002	64.831	TRUE	8.31E-14
FEV1	HIP1	rs34606716	A	G	-0.110	0.011	0.244	2.18E-24	-0.001	0.003	0.639	0.003	103.846	TRUE	3.73E-22
FEV1	HIP1	rs34978788	T	C	0.355	0.031	0.027	8.43E-31	-0.016	0.008	0.037	0.004	133.131	TRUE	5.87E-26
FEV1	HIP1	rs35949935	G	A	-0.280	0.011	0.209	4.57E-147	0.000	0.003	0.970	0.021	666.916	TRUE	2.22E-135
FEV1	HIP1	rs3757598	A	G	0.144	0.010	0.235	8.44E-44	-0.004	0.003	0.169	0.006	192.626	TRUE	1.69E-38
FEV1	HIP1	rs41281102	C	T	-0.399	0.030	0.028	4.52E-39	0.023	0.007	0.001	0.005	170.971	TRUE	1.09E-31
FEV1	HIP1	rs41281689	T	G	0.334	0.036	0.021	2.77E-20	0.012	0.008	0.136	0.003	85.143	TRUE	2.41E-17
FEV1	HIP1	rs41301427	A	G	-0.117	0.015	0.090	1.88E-14	0.009	0.004	0.021	0.002	58.647	TRUE	1.61E-11
FEV1	HIP1	rs42184	T	G	0.162	0.012	0.148	1.02E-39	0.004	0.003	0.184	0.005	173.924	TRUE	6.23E-35

FEV1	HIP1	rs55971722	A	G	-0.216	0.011	0.285	3.40E-85	0.001	0.003	0.631	0.012	382.561	TRUE	1.16E-77
FEV1	HIP1	rs56254422	C	T	0.274	0.044	0.017	4.88E-10	-0.007	0.009	0.461	0.001	38.721	TRUE	7.10E-09
FEV1	HIP1	rs58962145	C	T	0.220	0.023	0.045	1.20E-21	-0.001	0.006	0.942	0.003	91.357	TRUE	4.51E-20
FEV1	HIP1	rs62475499	T	G	-0.571	0.013	0.115	0.00E+00	0.000	0.004	0.979	0.056	1867.748	TRUE	0.00E+00
FEV1	HIP1	rs66863639	A	G	0.238	0.010	0.319	3.10E-114	-0.002	0.003	0.437	0.016	515.996	TRUE	1.85E-103
FEV1	HIP1	rs6958613	T	G	0.105	0.011	0.202	8.54E-22	0.001	0.003	0.785	0.003	92.022	TRUE	5.32E-20
FEV1	HIP1	rs6964720	G	A	-0.145	0.012	0.160	1.59E-34	0.003	0.003	0.372	0.005	150.160	TRUE	7.34E-31
FEV1	HIP1	rs6965172	T	C	0.430	0.023	0.041	1.42E-75	0.004	0.006	0.534	0.011	338.383	TRUE	1.24E-68
FEV1	HIP1	rs71560493	A	G	-0.214	0.020	0.054	8.98E-27	0.010	0.005	0.040	0.004	114.731	TRUE	1.82E-22
FEV1	HIP1	rs73136052	T	C	0.240	0.039	0.019	9.63E-10	-0.004	0.009	0.668	0.001	37.396	TRUE	7.96E-09
FEV1	HIP1	rs73140295	G	A	0.159	0.011	0.198	2.77E-46	-0.004	0.003	0.167	0.006	204.007	TRUE	9.40E-41
FEV1	HIP1	rs73141209	A	G	0.678	0.034	0.045	8.31E-88	-0.015	0.006	0.020	0.012	394.563	TRUE	5.44E-76
FEV1	HIP1	rs75030876	T	C	-0.587	0.018	0.067	6.02E-236	0.000	0.005	0.993	0.033	1075.726	TRUE	2.32E-216
FEV1	HIP1	rs76925159	A	G	0.125	0.018	0.081	1.31E-12	-0.001	0.004	0.888	0.002	50.311	TRUE	1.15E-11
FEV1	HIP1	rs77427322	C	A	0.443	0.030	0.024	2.75E-49	0.001	0.007	0.947	0.007	217.773	TRUE	1.41E-45
FEV1	HIP1	rs77478397	A	G	-0.489	0.027	0.027	4.65E-72	0.009	0.008	0.264	0.010	322.246	TRUE	1.99E-64
FEV1	HIP1	rs794353	T	C	0.244	0.019	0.066	5.97E-37	0.003	0.005	0.565	0.005	161.259	TRUE	1.78E-33
FEV1	HIP1	rs80213114	G	A	0.303	0.039	0.018	5.84E-15	-0.002	0.007	0.772	0.002	60.952	TRUE	1.07E-13
FEV1	HRAS	rs11246300	T	C	-0.085	0.010	0.222	9.97E-17	0.004	0.003	0.212	0.002	68.973	TRUE	1.97E-14
FEV1	HRAS	rs1128982	G	A	0.095	0.015	0.140	1.60E-10	0.005	0.004	0.178	0.001	40.906	TRUE	6.97E-09
FEV1	HRAS	rs113298336	T	C	-0.153	0.019	0.057	7.96E-16	-0.007	0.005	0.139	0.002	64.876	TRUE	1.98E-13
FEV1	HRAS	rs113584969	A	G	-0.394	0.028	0.035	4.91E-44	-0.007	0.006	0.257	0.006	193.704	TRUE	4.48E-39
FEV1	HRAS	rs115480982	A	C	0.175	0.024	0.041	5.00E-13	0.004	0.006	0.523	0.002	52.200	TRUE	1.19E-11
FEV1	HRAS	rs116946077	T	C	-0.295	0.030	0.031	6.48E-23	-0.006	0.007	0.399	0.003	97.127	TRUE	2.12E-20
FEV1	HRAS	rs117262763	A	G	0.258	0.036	0.022	4.87E-13	-0.007	0.008	0.346	0.002	52.252	TRUE	2.09E-11
FEV1	HRAS	rs141929414	G	C	0.079	0.014	0.124	1.89E-08	-0.006	0.003	0.071	0.001	31.598	TRUE	8.48E-07
FEV1	HRAS	rs1870726	A	G	-0.316	0.012	0.177	2.80E-159	-0.006	0.003	0.045	0.022	723.081	TRUE	1.63E-140
FEV1	HRAS	rs188341583	A	G	-0.259	0.047	0.016	3.13E-08	0.005	0.009	0.618	0.001	30.623	TRUE	2.10E-07
FEV1	HRAS	rs34217524	A	G	0.088	0.015	0.095	1.50E-09	0.006	0.004	0.104	0.001	36.537	TRUE	7.72E-08
FEV1	HRAS	rs35482931	T	C	-0.363	0.025	0.035	5.61E-49	0.003	0.006	0.646	0.007	216.352	TRUE	1.20E-44
FEV1	HRAS	rs3943356	C	T	0.133	0.012	0.179	3.38E-30	-0.001	0.003	0.682	0.004	130.372	TRUE	1.60E-27
FEV1	HRAS	rs61869019	T	C	-0.104	0.019	0.063	3.39E-08	0.000	0.004	0.969	0.001	30.466	TRUE	1.16E-07
FEV1	HRAS	rs61876290	G	A	-0.281	0.029	0.033	3.41E-22	0.003	0.007	0.658	0.003	93.840	TRUE	3.56E-20
FEV1	HRAS	rs61877776	A	G	0.175	0.016	0.110	8.64E-28	0.002	0.004	0.618	0.004	119.375	TRUE	3.21E-25
FEV1	HRAS	rs72844728	A	G	0.081	0.011	0.274	2.32E-13	0.004	0.003	0.148	0.002	53.708	TRUE	2.80E-11
FEV1	HRAS	rs7395822	A	G	-0.081	0.009	0.445	4.83E-19	0.003	0.002	0.268	0.003	79.494	TRUE	1.18E-16
FEV1	HRAS	rs7396776	G	A	-0.107	0.009	0.397	1.31E-29	0.001	0.002	0.728	0.004	127.681	TRUE	4.31E-27
FEV1	HRAS	rs7480433	A	T	-0.109	0.015	0.123	5.70E-13	0.001	0.003	0.801	0.002	51.943	TRUE	6.70E-12
FEV1	HSP90AA1	rs111517520	C	T	-0.188	0.020	0.040	1.70E-20	0.011	0.006	0.071	0.003	86.102	TRUE	3.21E-17
FEV1	HSP90AA1	rs11160668	G	A	-0.097	0.008	0.478	1.36E-32	0.006	0.002	0.015	0.004	141.330	TRUE	3.76E-27
FEV1	HSP90AA1	rs111846936	T	G	-0.159	0.018	0.064	1.73E-18	0.005	0.005	0.270	0.002	76.975	TRUE	3.86E-16
FEV1	HSP90AA1	rs1190606	G	A	-0.100	0.014	0.097	1.75E-12	0.006	0.004	0.104	0.002	49.747	TRUE	2.21E-10

FEV1	HSP90AA1	rs12435118	C	T	0.090	0.009	0.371	1.65E-23	-0.004	0.002	0.099	0.003	99.834	TRUE	5.12E-20
FEV1	HSP90AA1	rs12893074	A	G	-0.196	0.023	0.037	5.26E-17	0.019	0.007	0.007	0.002	70.234	TRUE	2.17E-13
FEV1	HSP90AA1	rs12894354	T	C	0.057	0.009	0.368	1.79E-10	0.001	0.003	0.683	0.001	40.684	TRUE	1.64E-09
FEV1	HSP90AA1	rs145916482	A	G	-0.252	0.039	0.015	1.48E-10	0.017	0.010	0.113	0.001	41.049	TRUE	9.83E-09
FEV1	HSP90AA1	rs2403017	G	A	-0.277	0.011	0.174	3.95E-139	0.016	0.003	1.46E-06	0.020	630.437	TRUE	4.45E-115
FEV1	HSP90AA1	rs2476522	C	T	-0.062	0.010	0.202	2.67E-10	0.001	0.003	0.665	0.001	39.900	TRUE	2.48E-09
FEV1	HSP90AA1	rs2749901	G	A	-0.093	0.010	0.189	3.25E-19	0.001	0.003	0.659	0.003	80.276	TRUE	1.84E-17
FEV1	HSP90AA1	rs35570544	G	A	-0.151	0.021	0.041	4.06E-13	0.009	0.006	0.138	0.002	52.611	TRUE	4.90E-11
FEV1	HSP90AA1	rs62006410	T	C	-0.065	0.011	0.199	1.35E-09	-0.001	0.003	0.759	0.001	36.733	TRUE	8.83E-09
FEV1	HSP90AA1	rs7159203	T	C	-0.086	0.016	0.069	4.67E-08	0.004	0.005	0.424	0.001	29.849	TRUE	4.62E-07
FEV1	HSP90AA1	rs77011345	C	T	-0.326	0.036	0.017	1.22E-19	0.005	0.010	0.603	0.003	82.213	TRUE	9.21E-18
FEV1	HSP90AA1	rs79110992	G	T	-0.200	0.015	0.082	7.62E-39	0.012	0.004	0.007	0.005	169.931	TRUE	3.98E-32
FEV1	HSPA8	rs11218941	G	A	0.112	0.010	0.200	1.89E-29	-0.008	0.003	0.013	0.004	126.955	TRUE	2.94E-24
FEV1	HSPA8	rs11218958	G	A	0.261	0.031	0.022	1.38E-17	0.007	0.009	0.453	0.002	72.866	TRUE	1.13E-15
FEV1	HTT	rs28652828	G	A	-0.170	0.027	0.030	3.72E-10	0.001	0.007	0.902	0.001	39.250	TRUE	2.03E-09
FEV1	HTT	rs67950027	C	A	0.097	0.010	0.326	2.72E-20	0.008	0.003	9.14E-04	0.003	85.176	TRUE	1.46E-15
FEV1	ICAM1	rs10420549	C	T	-0.056	0.009	0.456	6.00E-10	-0.005	0.002	0.042	0.001	38.319	TRUE	6.96E-08
FEV1	ICAM1	rs118115488	T	C	0.123	0.017	0.058	4.98E-13	0.004	0.004	0.352	0.002	52.209	TRUE	2.07E-11
FEV1	ICAM1	rs12720354	A	T	0.118	0.015	0.078	2.55E-15	0.008	0.004	0.067	0.002	62.587	TRUE	1.17E-12
FEV1	ICAM1	rs12974306	G	T	0.062	0.009	0.497	4.54E-13	0.012	0.002	4.23E-07	0.002	52.391	TRUE	2.46E-08
FEV1	ICAM1	rs141453190	T	C	-0.156	0.028	0.026	2.44E-08	-0.005	0.007	0.429	0.001	31.110	TRUE	2.55E-07
FEV1	ICAM1	rs280497	G	A	0.070	0.008	0.514	1.70E-18	0.005	0.002	0.023	0.002	77.010	TRUE	5.29E-15
FEV1	ICAM1	rs281437	T	C	0.182	0.010	0.243	2.88E-74	0.009	0.003	3.15E-04	0.010	332.384	TRUE	2.12E-61
FEV1	ICAM1	rs281440	G	A	-0.088	0.011	0.238	1.33E-16	-0.001	0.003	0.714	0.002	68.399	TRUE	3.80E-15
FEV1	ICAM1	rs35193259	G	A	-0.102	0.011	0.189	6.85E-21	-0.005	0.003	0.084	0.003	87.904	TRUE	1.12E-17
FEV1	ICAM1	rs5030397	T	G	0.167	0.029	0.028	1.14E-08	0.006	0.007	0.446	0.001	32.586	TRUE	1.25E-07
FEV1	IFI16	rs1057027	C	A	0.238	0.010	0.200	2.26E-125	-0.007	0.003	0.033	0.018	567.186	TRUE	5.72E-110
FEV1	IFI16	rs1101992	T	C	-0.091	0.009	0.261	2.18E-22	0.000	0.003	0.910	0.003	94.729	TRUE	1.02E-20
FEV1	IFI16	rs113561489	A	G	0.152	0.018	0.061	6.92E-17	-0.005	0.005	0.275	0.002	69.691	TRUE	1.06E-14
FEV1	IFI16	rs115251250	T	C	0.216	0.033	0.021	1.01E-10	0.001	0.012	0.929	0.001	41.809	TRUE	5.67E-10
FEV1	IFI16	rs1361565	G	A	0.178	0.014	0.087	4.67E-36	-0.001	0.004	0.786	0.005	157.172	TRUE	4.30E-33
FEV1	IFI16	rs147616673	T	C	-0.186	0.033	0.016	1.10E-08	0.000	0.009	0.962	0.001	32.652	TRUE	4.09E-08
FEV1	IFI16	rs2213949	G	A	0.049	0.008	0.473	8.75E-10	-0.004	0.002	0.113	0.001	37.582	TRUE	4.47E-08
FEV1	IFI16	rs34562319	C	T	0.218	0.032	0.020	5.04E-12	-0.007	0.008	0.422	0.002	47.668	TRUE	1.31E-10
FEV1	IFI16	rs3754464	G	A	0.255	0.023	0.033	6.04E-28	-0.021	0.009	0.016	0.004	120.084	TRUE	4.58E-23
FEV1	IFI16	rs4657080	T	C	0.045	0.008	0.391	3.73E-08	0.003	0.002	0.238	0.001	30.285	TRUE	6.34E-07
FEV1	IFI16	rs860635	C	G	0.170	0.011	0.160	2.00E-55	0.000	0.003	0.962	0.008	245.919	TRUE	2.97E-51
FEV1	IFI27	rs117299001	G	A	0.208	0.030	0.020	4.01E-12	0.005	0.008	0.565	0.002	48.119	TRUE	7.06E-11
FEV1	IFI27	rs117562583	G	A	-0.161	0.029	0.023	3.37E-08	-0.007	0.008	0.343	0.001	30.482	TRUE	4.34E-07
FEV1	IFI27	rs12589978	T	C	0.086	0.009	0.284	1.73E-21	-0.005	0.003	0.079	0.003	90.632	TRUE	3.68E-18
FEV1	IFI27	rs12896856	C	T	0.063	0.011	0.179	4.04E-09	-0.002	0.003	0.457	0.001	34.601	TRUE	4.69E-08
FEV1	IFI27	rs17824472	T	C	0.122	0.016	0.076	1.97E-14	-0.007	0.005	0.155	0.002	58.558	TRUE	3.05E-12

FEV1	IFI27	rs2228541	C	A	-0.048	0.008	0.476	3.22E-09	0.000	0.002	0.972	0.001	35.042	TRUE	1.30E-08
FEV1	IFI27	rs2295214	C	T	0.058	0.009	0.272	1.47E-10	-0.001	0.003	0.861	0.001	41.065	TRUE	9.53E-10
FEV1	IFI27	rs2799	G	C	-0.126	0.017	0.059	1.14E-13	-0.004	0.005	0.417	0.002	55.101	TRUE	4.43E-12
FEV1	IFI27	rs4900217	C	T	0.054	0.009	0.233	8.46E-09	-0.003	0.003	0.273	0.001	33.164	TRUE	1.51E-07
FEV1	IFI27	rs55704412	A	G	0.154	0.021	0.040	2.39E-13	-0.004	0.007	0.527	0.002	53.649	TRUE	6.14E-12
FEV1	IFI27	rs61983485	T	C	-0.145	0.018	0.057	6.71E-16	0.009	0.005	0.046	0.002	65.211	TRUE	4.87E-13
FEV1	IFI27	rs7141881	A	G	0.228	0.008	0.388	1.20E-174	-0.006	0.002	0.024	0.024	793.744	TRUE	1.93E-153
FEV1	IFI27	rs74712407	T	C	0.166	0.023	0.032	5.13E-13	0.000	0.006	0.994	0.002	52.151	TRUE	3.66E-12
FEV1	IFI27L1	rs10147215	A	C	0.186	0.010	0.272	4.14E-81	0.000	0.003	0.867	0.011	363.801	TRUE	1.12E-74
FEV1	IFI27L1	rs10149693	T	G	0.062	0.010	0.284	1.58E-10	-0.001	0.003	0.776	0.001	40.924	TRUE	1.23E-09
FEV1	IFI27L1	rs10438214	G	A	0.094	0.013	0.174	7.76E-13	0.005	0.003	0.067	0.002	51.340	TRUE	1.55E-10
FEV1	IFI27L1	rs111686083	A	G	0.295	0.022	0.047	3.47E-41	-0.013	0.006	0.018	0.006	180.655	TRUE	1.12E-34
FEV1	IFI27L1	rs11621117	C	T	-0.068	0.009	0.358	1.57E-13	0.000	0.002	0.934	0.002	54.476	TRUE	1.44E-12
FEV1	IFI27L1	rs11626327	A	G	0.127	0.012	0.177	1.36E-26	-0.005	0.003	0.107	0.004	113.909	TRUE	8.78E-23
FEV1	IFI27L1	rs117208338	C	T	-0.154	0.013	0.138	5.31E-32	0.003	0.003	0.355	0.004	138.619	TRUE	1.59E-28
FEV1	IFI27L1	rs12588048	T	C	0.243	0.018	0.065	7.91E-40	-0.006	0.005	0.273	0.005	174.434	TRUE	2.48E-35
FEV1	IFI27L1	rs148649894	G	A	-0.379	0.030	0.030	2.28E-37	0.001	0.006	0.830	0.005	163.170	TRUE	2.21E-34
FEV1	IFI27L1	rs149457495	T	C	-0.324	0.045	0.016	8.65E-13	-0.005	0.012	0.701	0.002	51.125	TRUE	1.22E-11
FEV1	IFI27L1	rs17090719	C	T	-0.125	0.010	0.295	1.49E-37	0.000	0.003	0.957	0.005	164.025	TRUE	8.24E-35
FEV1	IFI27L1	rs1950344	C	G	0.101	0.010	0.318	1.24E-26	-0.001	0.003	0.856	0.004	114.089	TRUE	1.59E-24
FEV1	IFI27L1	rs1980618	A	T	-0.066	0.009	0.376	1.63E-12	-0.002	0.003	0.455	0.002	49.880	TRUE	4.07E-11
FEV1	IFI27L1	rs2239645	A	G	0.265	0.019	0.059	1.41E-45	-0.006	0.005	0.284	0.006	200.765	TRUE	1.47E-40
FEV1	IFI27L1	rs2402405	C	T	0.366	0.009	0.395	0.00E+00	-0.003	0.002	0.271	0.051	1698.337	TRUE	0.00E+00
FEV1	IFI27L1	rs34025320	T	C	0.368	0.024	0.040	2.70E-54	-0.003	0.005	0.525	0.008	240.738	TRUE	3.33E-49
FEV1	IFI27L1	rs34520961	G	A	-0.207	0.016	0.087	4.00E-38	0.000	0.004	0.937	0.005	166.631	TRUE	2.75E-35
FEV1	IFI27L1	rs3748312	T	C	0.099	0.012	0.150	1.30E-15	0.004	0.003	0.225	0.002	63.906	TRUE	1.78E-13
FEV1	IFI27L1	rs3827896	A	G	0.180	0.010	0.308	1.40E-77	-0.001	0.003	0.768	0.011	347.600	TRUE	4.08E-71
FEV1	IFI27L1	rs4905115	A	G	-0.073	0.009	0.423	1.20E-15	-0.001	0.002	0.780	0.002	64.063	TRUE	2.48E-14
FEV1	IFI27L1	rs55972004	A	G	-0.202	0.035	0.024	6.14E-09	0.004	0.008	0.579	0.001	33.787	TRUE	5.17E-08
FEV1	IFI27L1	rs66508743	A	G	-0.126	0.012	0.171	6.28E-26	-0.001	0.003	0.839	0.003	110.874	TRUE	6.94E-24
FEV1	IFI27L1	rs7141881	A	G	0.197	0.009	0.388	1.94E-109	-0.006	0.002	0.024	0.015	493.944	TRUE	2.40E-95
FEV1	IFI27L1	rs7143873	A	T	0.123	0.010	0.288	2.36E-35	-0.005	0.003	0.077	0.005	153.948	TRUE	2.04E-30
FEV1	IFI27L1	rs7155600	C	T	0.204	0.012	0.147	3.78E-60	0.000	0.003	0.988	0.008	267.587	TRUE	1.03E-55
FEV1	IFI27L1	rs7161231	T	C	0.087	0.014	0.110	1.43E-09	-0.003	0.004	0.446	0.001	36.620	TRUE	1.94E-08
FEV1	IFI27L1	rs72692831	G	A	0.127	0.017	0.076	1.60E-13	-0.013	0.004	0.003	0.002	54.434	TRUE	3.23E-10
FEV1	IFI27L1	rs72702321	T	C	0.453	0.019	0.058	2.86E-124	-0.001	0.005	0.910	0.017	562.118	TRUE	2.59E-114
FEV1	IFI27L1	rs75255245	A	G	0.140	0.017	0.073	1.40E-16	-0.006	0.005	0.210	0.002	68.306	TRUE	2.71E-14
FEV1	IFI27L1	rs75416602	G	A	0.322	0.023	0.040	2.03E-43	0.006	0.006	0.315	0.006	190.880	TRUE	1.01E-38
FEV1	IFI27L1	rs75825150	A	G	0.254	0.031	0.022	3.06E-16	-0.008	0.009	0.368	0.002	66.758	TRUE	2.55E-14
FEV1	IFI27L1	rs77640134	T	C	-0.208	0.019	0.061	9.19E-28	0.011	0.005	0.020	0.004	119.252	TRUE	6.00E-23
FEV1	IFI27L1	rs79099449	C	T	0.155	0.025	0.037	8.87E-10	-0.004	0.008	0.583	0.001	37.557	TRUE	8.93E-09
FEV1	IFI27L1	rs79319955	G	T	-0.201	0.035	0.021	1.22E-08	-0.004	0.007	0.569	0.001	32.451	TRUE	9.94E-08

FEV1	IFI27L1	rs79880372	A	C	-0.318	0.033	0.024	4.00E-22	0.002	0.007	0.747	0.003	93.522	TRUE	3.06E-20
FEV1	IFI27L1	rs8006174	G	A	0.189	0.011	0.215	2.60E-70	0.002	0.003	0.551	0.010	314.228	TRUE	6.68E-64
FEV1	IFNGR2	rs1023146	T	C	0.230	0.039	0.016	2.65E-09	-0.013	0.009	0.133	0.001	35.422	TRUE	1.04E-07
FEV1	IFNGR2	rs10470090	T	G	0.477	0.011	0.138	0.00E+00	-0.003	0.004	0.347	0.054	1807.603	TRUE	0.00E+00
FEV1	IFNGR2	rs10775653	C	G	0.166	0.008	0.378	2.82E-92	-0.002	0.002	0.483	0.013	415.090	TRUE	1.20E-83
FEV1	IFNGR2	rs115329960	A	C	0.695	0.040	0.014	4.20E-68	0.005	0.010	0.576	0.010	304.086	TRUE	6.23E-62
FEV1	IFNGR2	rs11702679	G	A	-0.119	0.019	0.047	2.95E-10	0.009	0.005	0.089	0.001	39.705	TRUE	2.10E-08
FEV1	IFNGR2	rs117038590	T	G	-0.100	0.015	0.076	3.25E-11	0.009	0.005	0.055	0.001	44.018	TRUE	4.43E-09
FEV1	IFNGR2	rs118032403	G	A	0.623	0.050	0.015	4.70E-35	-0.026	0.009	0.005	0.005	152.582	TRUE	9.88E-29
FEV1	IFNGR2	rs11910140	A	G	0.138	0.019	0.046	1.29E-12	0.001	0.006	0.864	0.002	50.336	TRUE	1.18E-11
FEV1	IFNGR2	rs121913193	T	C	-0.304	0.037	0.038	1.93E-16	0.010	0.011	0.382	0.002	67.666	TRUE	1.62E-14
FEV1	IFNGR2	rs12482134	A	G	0.082	0.013	0.112	1.03E-10	-0.013	0.004	7.74E-04	0.001	41.758	TRUE	1.10E-07
FEV1	IFNGR2	rs13052859	G	A	-0.178	0.024	0.035	4.49E-14	0.007	0.006	0.265	0.002	56.938	TRUE	3.39E-12
FEV1	IFNGR2	rs145851224	T	C	0.393	0.062	0.018	2.35E-10	0.008	0.016	0.609	0.001	40.147	TRUE	2.52E-09
FEV1	IFNGR2	rs148454435	T	C	-0.179	0.025	0.026	1.19E-12	0.002	0.007	0.818	0.002	50.493	TRUE	1.23E-11
FEV1	IFNGR2	rs17860208	G	A	0.141	0.021	0.039	3.79E-11	0.007	0.005	0.155	0.001	43.716	TRUE	2.30E-09
FEV1	IFNGR2	rs17879705	T	C	0.196	0.030	0.021	8.41E-11	0.007	0.006	0.234	0.001	42.156	TRUE	3.12E-09
FEV1	IFNGR2	rs185329119	G	A	-0.323	0.031	0.020	7.25E-25	0.002	0.010	0.851	0.003	106.025	TRUE	6.57E-23
FEV1	IFNGR2	rs2073369	G	A	0.105	0.014	0.095	6.83E-15	0.000	0.004	0.979	0.002	60.643	TRUE	7.02E-14
FEV1	IFNGR2	rs2154703	T	C	0.045	0.008	0.466	1.70E-08	-0.003	0.002	0.210	0.001	31.810	TRUE	3.59E-07
FEV1	IFNGR2	rs2248321	G	A	0.144	0.008	0.318	2.07E-64	-0.002	0.003	0.431	0.009	287.143	TRUE	4.12E-58
FEV1	IFNGR2	rs2268255	A	C	-0.056	0.010	0.234	4.24E-09	-0.004	0.003	0.186	0.001	34.509	TRUE	1.17E-07
FEV1	IFNGR2	rs2282468	A	G	-0.078	0.009	0.254	1.75E-17	-0.003	0.003	0.306	0.002	72.398	TRUE	2.65E-15
FEV1	IFNGR2	rs2284569	C	G	0.224	0.014	0.096	7.94E-62	-0.004	0.004	0.406	0.009	275.283	TRUE	9.97E-56
FEV1	IFNGR2	rs2285020	A	G	-0.084	0.008	0.438	6.22E-25	-0.004	0.002	0.065	0.003	106.331	TRUE	4.35E-21
FEV1	IFNGR2	rs2834249	G	A	-0.100	0.009	0.321	3.95E-32	-0.001	0.003	0.852	0.004	139.208	TRUE	1.39E-29
FEV1	IFNGR2	rs2834302	A	G	0.053	0.008	0.330	2.52E-10	-0.005	0.002	0.063	0.001	40.016	TRUE	2.57E-08
FEV1	IFNGR2	rs2834325	A	G	-0.053	0.009	0.317	5.32E-10	-0.001	0.003	0.676	0.001	38.554	TRUE	4.43E-09
FEV1	IFNGR2	rs2834404	G	C	-0.062	0.008	0.333	1.54E-13	0.004	0.002	0.073	0.002	54.514	TRUE	3.88E-11
FEV1	IFNGR2	rs28385662	A	G	-0.261	0.024	0.030	1.85E-26	0.014	0.007	0.037	0.004	113.301	TRUE	3.87E-22
FEV1	IFNGR2	rs3171425	A	G	-0.060	0.008	0.405	1.01E-13	0.001	0.002	0.776	0.002	55.344	TRUE	1.44E-12
FEV1	IFNGR2	rs57202190	G	A	-0.338	0.011	0.151	3.77E-208	-0.001	0.003	0.780	0.029	947.857	TRUE	3.41E-190
FEV1	IFNGR2	rs61481573	A	G	0.553	0.023	0.034	4.48E-133	-0.017	0.006	0.003	0.019	602.596	TRUE	1.11E-114
FEV1	IFNGR2	rs62226459	A	G	-0.292	0.024	0.030	1.98E-34	-0.002	0.007	0.727	0.005	149.726	TRUE	1.71E-31
FEV1	IFNGR2	rs62227752	G	A	-0.300	0.019	0.054	1.00E-53	-0.005	0.005	0.328	0.007	238.126	TRUE	4.36E-48
FEV1	IFNGR2	rs62228028	A	G	-0.121	0.017	0.072	2.75E-13	0.001	0.005	0.837	0.002	53.377	TRUE	3.10E-12
FEV1	IFNGR2	rs7280413	A	G	-0.070	0.008	0.336	9.91E-17	0.004	0.003	0.107	0.002	68.982	TRUE	4.07E-14
FEV1	IFNGR2	rs73195845	C	A	-0.215	0.018	0.055	4.03E-33	0.002	0.005	0.727	0.005	143.741	TRUE	2.64E-30
FEV1	IFNGR2	rs73203605	A	G	0.141	0.026	0.026	4.40E-08	-0.009	0.008	0.243	0.001	29.960	TRUE	7.34E-07
FEV1	IFNGR2	rs73205634	A	C	0.249	0.024	0.029	8.07E-26	-0.012	0.007	0.090	0.003	110.378	TRUE	5.01E-22
FEV1	IFNGR2	rs743312	A	G	-0.108	0.011	0.139	7.97E-21	-0.003	0.003	0.308	0.003	87.604	TRUE	2.44E-18
FEV1	IFNGR2	rs75101644	T	C	-0.270	0.028	0.025	5.19E-22	0.005	0.006	0.414	0.003	93.008	TRUE	1.29E-19

FEV1	IFNGR2	rs76547762	T	C	-0.297	0.025	0.034	1.87E-33	0.010	0.006	0.117	0.005	145.266	TRUE	6.01E-29
FEV1	IFNGR2	rs77342035	G	A	0.218	0.031	0.022	2.17E-12	-0.009	0.011	0.423	0.002	49.325	TRUE	6.17E-11
FEV1	IFNGR2	rs79178050	G	A	0.647	0.022	0.036	5.74E-196	-0.005	0.006	0.366	0.027	891.815	TRUE	5.36E-177
FEV1	IFNGR2	rs79328878	T	G	-0.233	0.024	0.032	5.19E-23	-0.005	0.007	0.453	0.003	97.569	TRUE	1.40E-20
FEV1	IFNGR2	rs79560822	G	A	-0.075	0.011	0.167	7.11E-12	-0.002	0.003	0.603	0.001	46.994	TRUE	1.10E-10
FEV1	IFNGR2	rs8178474	G	A	0.122	0.014	0.098	7.29E-18	0.003	0.004	0.439	0.002	74.132	TRUE	6.80E-16
FEV1	IFNGR2	rs8178528	G	A	-0.134	0.008	0.511	4.70E-62	0.000	0.002	0.975	0.009	276.327	TRUE	2.17E-57
FEV1	IFNGR2	rs9305529	C	T	0.340	0.008	0.461	0.00E+00	-0.002	0.002	0.346	0.057	1926.305	TRUE	0.00E+00
FEV1	IFNGR2	rs9984273	C	T	-0.061	0.009	0.312	2.13E-12	-0.002	0.003	0.419	0.002	49.353	TRUE	6.07E-11
FEV1	IL10	rs1518111	T	C	-0.199	0.009	0.228	4.60E-98	-0.011	0.003	1.85E-04	0.014	441.680	TRUE	7.21E-82
FEV1	IL10	rs17016480	A	C	-0.082	0.014	0.095	1.86E-09	-0.008	0.004	0.065	0.001	36.118	TRUE	1.23E-07
FEV1	IL10	rs17351229	T	C	-0.734	0.127	0.014	7.65E-09	-0.010	0.012	0.387	0.001	33.360	TRUE	1.01E-07
FEV1	IL10	rs3024492	A	T	0.112	0.009	0.249	1.55E-33	0.001	0.003	0.810	0.005	145.636	TRUE	7.80E-31
FEV1	IL10	rs77913112	A	G	-0.182	0.026	0.027	1.29E-12	-0.020	0.009	0.022	0.002	50.342	TRUE	5.41E-10
FEV1	IL10	rs880790	C	T	-0.078	0.009	0.241	6.21E-17	-0.001	0.003	0.686	0.002	69.905	TRUE	2.04E-15
FEV1	IL18	rs10458936	G	T	-0.113	0.013	0.292	4.08E-18	0.004	0.003	0.106	0.002	75.278	TRUE	2.55E-15
FEV1	IL18	rs11214100	C	A	0.112	0.020	0.098	1.62E-08	-0.003	0.004	0.498	0.001	31.902	TRUE	1.51E-07
FEV1	IL18	rs11606049	T	C	0.310	0.014	0.243	1.98E-115	0.007	0.003	0.006	0.016	521.488	TRUE	1.47E-99
FEV1	IL18	rs12283162	G	A	-0.160	0.014	0.251	3.63E-32	-0.006	0.003	0.043	0.004	139.373	TRUE	3.30E-27
FEV1	IL18	rs141091241	T	C	0.316	0.035	0.031	3.70E-19	0.001	0.007	0.931	0.003	80.019	TRUE	9.22E-18
FEV1	IL18	rs149402057	A	G	0.408	0.066	0.012	5.35E-10	-0.003	0.008	0.761	0.001	38.544	TRUE	3.78E-09
FEV1	IL18	rs3018469	A	G	-0.144	0.016	0.176	5.75E-20	-0.005	0.003	0.097	0.003	83.699	TRUE	6.43E-17
FEV1	IL18	rs5744290	A	G	0.303	0.052	0.017	4.43E-09	-0.003	0.008	0.756	0.001	34.424	TRUE	2.65E-08
FEV1	IL18	rs6589298	C	T	-0.081	0.012	0.343	6.65E-11	-0.002	0.003	0.429	0.001	42.618	TRUE	1.31E-09
FEV1	IL18	rs73562251	A	G	0.102	0.014	0.255	5.87E-14	-0.002	0.003	0.470	0.002	56.412	TRUE	1.96E-12
FEV1	IL18	rs76154830	T	C	0.210	0.023	0.076	5.46E-20	0.011	0.004	0.011	0.003	83.801	TRUE	5.00E-16
FEV1	IL18	rs76594667	A	C	0.209	0.030	0.039	6.38E-12	0.010	0.006	0.085	0.001	47.205	TRUE	8.29E-10
FEV1	IL18	rs7951272	C	A	-0.097	0.013	0.260	5.56E-13	0.003	0.003	0.264	0.002	51.993	TRUE	3.40E-11
FEV1	JMY	rs10942892	A	G	0.117	0.019	0.057	6.93E-10	0.001	0.005	0.823	0.001	38.037	TRUE	4.28E-09
FEV1	JMY	rs113903635	T	C	0.111	0.016	0.087	9.37E-13	0.003	0.004	0.478	0.002	50.968	TRUE	2.40E-11
FEV1	JMY	rs114038837	A	G	-0.214	0.033	0.019	4.76E-11	-0.011	0.008	0.170	0.001	43.273	TRUE	2.49E-09
FEV1	JMY	rs114062084	A	G	-0.270	0.037	0.018	3.34E-13	0.019	0.010	0.051	0.002	52.995	TRUE	9.33E-11
FEV1	JMY	rs114099443	C	A	0.215	0.029	0.028	1.38E-13	0.014	0.007	0.040	0.002	54.736	TRUE	5.31E-11
FEV1	JMY	rs114725025	T	G	0.194	0.021	0.052	1.39E-19	0.009	0.005	0.053	0.003	81.956	TRUE	2.84E-16
FEV1	JMY	rs116236157	T	G	0.215	0.032	0.023	1.70E-11	0.014	0.007	0.039	0.001	45.287	TRUE	3.24E-09
FEV1	JMY	rs13354432	G	A	-0.123	0.018	0.065	1.41E-11	-0.007	0.005	0.155	0.001	45.654	TRUE	9.48E-10
FEV1	JMY	rs137974590	C	T	0.269	0.025	0.038	5.24E-26	0.008	0.006	0.135	0.003	111.232	TRUE	2.09E-22
FEV1	JMY	rs142849150	T	C	-0.174	0.014	0.112	6.96E-36	-0.003	0.004	0.437	0.005	156.381	TRUE	3.04E-32
FEV1	JMY	rs142917631	A	C	0.195	0.029	0.030	2.82E-11	0.007	0.007	0.318	0.001	44.297	TRUE	8.55E-10
FEV1	JMY	rs2052550	T	C	0.075	0.011	0.234	1.20E-12	0.000	0.003	0.912	0.002	50.478	TRUE	9.88E-12
FEV1	JMY	rs2364596	T	C	0.334	0.009	0.372	0.00E+00	0.012	0.002	5.93E-07	0.043	1440.428	TRUE	8.39E-267
FEV1	JMY	rs3797546	C	T	0.190	0.020	0.052	8.01E-22	0.010	0.006	0.092	0.003	92.151	TRUE	1.63E-18

FEV1	JMY	rs4703779	G	A	0.068	0.009	0.496	3.49E-14	0.003	0.002	0.269	0.002	57.432	TRUE	2.79E-12
FEV1	JMY	rs4704542	C	T	0.090	0.013	0.136	2.72E-12	0.010	0.003	0.003	0.002	48.879	TRUE	3.48E-09
FEV1	JMY	rs62363103	C	T	-0.148	0.011	0.205	1.34E-41	-0.004	0.003	0.127	0.006	182.551	TRUE	2.64E-36
FEV1	JMY	rs62363106	C	T	-0.231	0.036	0.019	1.35E-10	-0.010	0.008	0.196	0.001	41.239	TRUE	5.49E-09
FEV1	JMY	rs62377917	T	C	-0.097	0.011	0.179	1.63E-17	-0.002	0.003	0.497	0.002	72.541	TRUE	1.13E-15
FEV1	JMY	rs631305	T	C	-0.139	0.012	0.164	2.88E-32	-0.007	0.003	0.021	0.004	139.837	TRUE	5.66E-27
FEV1	JMY	rs72635605	C	T	0.111	0.012	0.152	7.39E-20	0.005	0.003	0.136	0.003	83.202	TRUE	5.55E-17
FEV1	JMY	rs72762996	T	C	0.085	0.015	0.098	1.26E-08	0.001	0.004	0.872	0.001	32.390	TRUE	5.46E-08
FEV1	JMY	rs72764976	C	A	0.254	0.026	0.038	3.83E-23	0.016	0.006	0.007	0.003	98.166	TRUE	1.42E-18
FEV1	JMY	rs75497809	G	A	0.232	0.022	0.054	4.43E-27	0.009	0.005	0.065	0.004	116.132	TRUE	5.74E-23
FEV1	JMY	rs77977678	G	T	0.310	0.038	0.018	1.52E-16	0.008	0.007	0.259	0.002	68.141	TRUE	2.24E-14
FEV1	JMY	rs9293761	A	G	0.109	0.009	0.422	1.04E-34	0.004	0.002	0.064	0.005	151.006	TRUE	1.01E-29
FEV1	KIF1B	rs11121519	T	C	-0.221	0.014	0.090	1.56E-57	0.010	0.004	0.015	0.008	255.587	TRUE	5.20E-49
FEV1	KIF1B	rs11121549	T	C	-0.270	0.013	0.109	1.82E-100	0.011	0.004	0.004	0.014	452.715	TRUE	4.57E-86
FEV1	KIF1B	rs113726578	A	G	-0.420	0.041	0.016	1.17E-24	-0.003	0.008	0.697	0.003	105.072	TRUE	1.72E-22
FEV1	KIF1B	rs113826563	G	C	0.332	0.019	0.047	4.70E-70	-0.008	0.006	0.181	0.010	313.045	TRUE	3.44E-62
FEV1	KIF1B	rs115067562	T	C	0.190	0.028	0.027	9.61E-12	0.001	0.006	0.929	0.001	46.403	TRUE	6.43E-11
FEV1	KIF1B	rs115332378	C	T	-0.294	0.030	0.024	3.61E-23	-0.018	0.006	0.002	0.003	98.285	TRUE	3.39E-18
FEV1	KIF1B	rs11539794	T	G	-0.101	0.012	0.155	5.70E-18	-0.006	0.003	0.037	0.002	74.617	TRUE	9.00E-15
FEV1	KIF1B	rs11585670	C	A	-0.354	0.017	0.081	4.65E-100	-0.009	0.004	0.021	0.014	450.845	TRUE	5.33E-87
FEV1	KIF1B	rs116013225	T	C	-0.510	0.027	0.028	1.82E-82	0.020	0.007	0.005	0.012	370.030	TRUE	2.82E-70
FEV1	KIF1B	rs116461502	A	C	0.281	0.051	0.016	3.20E-08	0.003	0.008	0.672	0.001	30.581	TRUE	1.93E-07
FEV1	KIF1B	rs116800840	T	G	0.193	0.023	0.037	7.34E-17	0.014	0.006	0.018	0.002	69.575	TRUE	1.60E-13
FEV1	KIF1B	rs12045923	C	T	-0.142	0.008	0.358	1.92E-64	0.009	0.003	7.47E-04	0.009	287.291	TRUE	1.76E-53
FEV1	KIF1B	rs1220404	C	T	-0.139	0.010	0.208	2.29E-46	-0.002	0.003	0.388	0.006	204.384	TRUE	1.28E-41
FEV1	KIF1B	rs12730387	G	A	0.244	0.020	0.045	2.30E-35	-0.009	0.006	0.105	0.005	154.003	TRUE	1.37E-30
FEV1	KIF1B	rs12739407	A	G	0.139	0.020	0.054	2.13E-12	0.006	0.006	0.286	0.002	49.354	TRUE	9.79E-11
FEV1	KIF1B	rs12753330	T	C	0.177	0.014	0.099	1.86E-36	-0.009	0.004	0.045	0.005	159.007	TRUE	4.84E-31
FEV1	KIF1B	rs139332841	A	G	-0.292	0.036	0.017	3.60E-16	0.013	0.009	0.132	0.002	66.438	TRUE	1.04E-13
FEV1	KIF1B	rs141624630	A	G	0.526	0.028	0.021	8.24E-78	-0.011	0.009	0.218	0.011	348.653	TRUE	2.10E-69
FEV1	KIF1B	rs143111562	A	C	-0.337	0.061	0.017	4.13E-08	-0.009	0.010	0.402	0.001	30.088	TRUE	4.35E-07
FEV1	KIF1B	rs143135527	T	C	0.995	0.026	0.028	0.00E+00	-0.007	0.008	0.354	0.043	1432.973	TRUE	1.53E-282
FEV1	KIF1B	rs150874880	T	C	0.292	0.035	0.017	1.30E-16	-0.005	0.010	0.617	0.002	68.452	TRUE	5.10E-15
FEV1	KIF1B	rs17401190	A	G	-0.267	0.027	0.026	1.58E-22	-0.009	0.007	0.179	0.003	95.369	TRUE	1.71E-19
FEV1	KIF1B	rs189471153	A	G	0.388	0.062	0.013	3.59E-10	-0.020	0.010	0.062	0.001	39.323	TRUE	3.25E-08
FEV1	KIF1B	rs2765552	C	A	-0.337	0.035	0.018	3.21E-22	-0.007	0.008	0.409	0.003	93.960	TRUE	8.69E-20
FEV1	KIF1B	rs284288	C	T	0.062	0.010	0.338	3.16E-10	0.005	0.003	0.049	0.001	39.572	TRUE	3.33E-08
FEV1	KIF1B	rs284310	T	C	0.140	0.009	0.462	2.02E-60	0.004	0.002	0.127	0.008	268.840	TRUE	4.33E-53
FEV1	KIF1B	rs36083022	A	G	-0.303	0.038	0.017	1.59E-15	0.020	0.011	0.075	0.002	63.510	TRUE	6.76E-13
FEV1	KIF1B	rs4534387	T	C	0.096	0.015	0.103	3.35E-10	0.003	0.004	0.401	0.001	39.458	TRUE	6.06E-09
FEV1	KIF1B	rs484416	A	G	-0.236	0.015	0.077	3.86E-57	0.013	0.004	0.003	0.008	253.782	TRUE	9.88E-48
FEV1	KIF1B	rs4845947	G	T	0.118	0.016	0.084	7.14E-14	0.009	0.004	0.036	0.002	56.024	TRUE	3.38E-11

FEV1	KIF1B	rs4845976	A	C	0.228	0.014	0.092	3.93E-56	-0.008	0.004	0.056	0.008	249.158	TRUE	1.28E-48
FEV1	KIF1B	rs4846191	A	T	-0.070	0.010	0.377	4.74E-13	-0.001	0.002	0.769	0.002	52.307	TRUE	5.95E-12
FEV1	KIF1B	rs557755	A	G	0.239	0.027	0.043	7.94E-19	0.011	0.007	0.137	0.002	78.509	TRUE	4.47E-16
FEV1	KIF1B	rs560611	C	T	-0.099	0.010	0.374	6.84E-25	0.000	0.003	0.911	0.003	106.141	TRUE	5.06E-23
FEV1	KIF1B	rs56394030	A	C	-0.083	0.012	0.118	2.11E-11	0.003	0.004	0.393	0.001	44.863	TRUE	5.00E-10
FEV1	KIF1B	rs57853394	A	G	0.163	0.024	0.045	7.54E-12	-0.002	0.006	0.753	0.001	46.878	TRUE	7.94E-11
FEV1	KIF1B	rs59120752	T	C	-0.137	0.020	0.046	6.91E-12	-0.006	0.006	0.309	0.001	47.051	TRUE	2.52E-10
FEV1	KIF1B	rs61776290	T	C	0.423	0.012	0.119	6.93E-269	-0.002	0.004	0.661	0.037	1227.278	TRUE	1.84E-244
FEV1	KIF1B	rs6541091	C	A	-0.367	0.017	0.066	1.82E-105	0.000	0.004	0.993	0.015	475.693	TRUE	2.20E-97
FEV1	KIF1B	rs6677664	C	T	-0.142	0.011	0.153	7.87E-37	0.004	0.003	0.243	0.005	160.712	TRUE	1.61E-32
FEV1	KIF1B	rs6700483	T	C	-0.060	0.011	0.157	4.28E-08	0.001	0.003	0.786	0.001	30.015	TRUE	1.98E-07
FEV1	KIF1B	rs72643209	G	A	0.140	0.025	0.044	1.86E-08	0.002	0.006	0.790	0.001	31.630	TRUE	9.25E-08
FEV1	KIF1B	rs7412149	G	A	-0.072	0.008	0.467	4.90E-19	0.002	0.002	0.428	0.003	79.465	TRUE	6.12E-17
FEV1	KIF1B	rs74543418	T	C	0.129	0.016	0.075	2.03E-15	0.006	0.005	0.177	0.002	63.027	TRUE	3.48E-13
FEV1	KIF1B	rs7520259	G	A	0.492	0.008	0.452	0.00E+00	-0.001	0.002	0.684	0.120	4302.789	TRUE	0.00E+00
FEV1	KIF1B	rs7528608	T	C	-0.081	0.011	0.225	5.94E-13	-0.007	0.003	0.014	0.002	51.863	TRUE	3.58E-10
FEV1	KIF1B	rs7546283	G	A	0.942	0.024	0.032	0.00E+00	-0.007	0.007	0.305	0.046	1528.659	TRUE	1.22E-300
FEV1	KIF1B	rs75489627	A	G	0.170	0.028	0.044	1.24E-09	-0.006	0.005	0.247	0.001	36.901	TRUE	3.20E-08
FEV1	KIF1B	rs76730171	G	C	0.451	0.010	0.177	0.00E+00	-0.004	0.003	0.180	0.059	1974.994	TRUE	0.00E+00
FEV1	KIF1B	rs77639220	A	G	-0.199	0.032	0.022	5.44E-10	-0.007	0.008	0.334	0.001	38.512	TRUE	1.14E-08
FEV1	KIF1B	rs78213623	T	C	0.299	0.038	0.020	1.59E-15	0.005	0.007	0.491	0.002	63.517	TRUE	7.26E-14
FEV1	KIF1B	rs78877530	A	G	0.844	0.022	0.033	0.00E+00	-0.024	0.008	0.002	0.044	1444.696	TRUE	9.44E-276
FEV1	KIF1B	rs9430220	C	T	-0.103	0.010	0.217	1.47E-26	0.005	0.003	0.088	0.004	113.760	TRUE	1.17E-22
FEV1	LAMTOR2	rs501791	T	C	0.157	0.025	0.052	1.95E-10	0.013	0.006	0.030	0.001	40.513	TRUE	3.17E-08
FEV1	LGALS9	rs10853180	G	A	0.085	0.009	0.373	2.32E-21	0.002	0.002	0.389	0.003	90.047	TRUE	5.95E-19
FEV1	LGALS9	rs11080062	A	G	-0.069	0.009	0.520	3.25E-15	0.002	0.002	0.484	0.002	62.106	TRUE	1.41E-13
FEV1	LGALS9	rs112180005	A	G	-0.623	0.042	0.016	1.02E-49	-0.007	0.010	0.505	0.007	219.737	TRUE	5.56E-45
FEV1	LGALS9	rs112244122	A	G	-0.292	0.029	0.029	2.81E-23	0.001	0.006	0.935	0.003	98.781	TRUE	1.45E-21
FEV1	LGALS9	rs112431365	T	G	-0.388	0.045	0.016	1.37E-17	-0.020	0.009	0.021	0.002	72.890	TRUE	3.16E-14
FEV1	LGALS9	rs112952622	G	A	0.359	0.029	0.026	2.81E-36	-0.004	0.008	0.653	0.005	158.181	TRUE	4.82E-33
FEV1	LGALS9	rs114533920	A	G	0.155	0.024	0.035	7.39E-11	0.009	0.006	0.128	0.001	42.411	TRUE	4.72E-09
FEV1	LGALS9	rs11655061	A	G	0.324	0.009	0.449	0.00E+00	0.002	0.002	0.354	0.044	1441.915	TRUE	2.61E-284
FEV1	LGALS9	rs117054138	G	A	0.163	0.020	0.064	2.05E-16	0.002	0.005	0.722	0.002	67.551	TRUE	5.52E-15
FEV1	LGALS9	rs117170675	A	G	-0.685	0.041	0.017	1.14E-61	0.018	0.009	0.049	0.009	274.567	TRUE	1.77E-53
FEV1	LGALS9	rs117693545	G	A	0.244	0.036	0.020	7.58E-12	0.005	0.007	0.524	0.001	46.867	TRUE	1.42E-10
FEV1	LGALS9	rs117886541	C	T	-0.189	0.034	0.019	1.96E-08	-0.005	0.009	0.566	0.001	31.533	TRUE	1.53E-07
FEV1	LGALS9	rs118052923	A	C	0.213	0.034	0.020	4.36E-10	-0.014	0.008	0.063	0.001	38.943	TRUE	3.74E-08
FEV1	LGALS9	rs12453420	G	C	-0.632	0.013	0.119	0.00E+00	0.000	0.004	0.933	0.071	2420.220	TRUE	0.00E+00
FEV1	LGALS9	rs1263354	A	T	0.051	0.009	0.339	3.27E-08	-0.001	0.003	0.676	0.001	30.537	TRUE	1.89E-07
FEV1	LGALS9	rs12950716	A	G	-0.138	0.014	0.118	3.45E-24	-0.009	0.003	0.011	0.003	102.939	TRUE	1.13E-19
FEV1	LGALS9	rs141035003	G	A	-0.238	0.041	0.017	6.73E-09	-0.010	0.013	0.421	0.001	33.610	TRUE	8.23E-08
FEV1	LGALS9	rs142481876	A	G	-0.642	0.050	0.016	9.34E-38	0.001	0.009	0.887	0.005	164.948	TRUE	7.67E-35

FEV1	LGALS9	rs144783393	C	T	0.216	0.017	0.074	2.60E-36	-0.006	0.005	0.206	0.005	158.337	TRUE	6.52E-32
FEV1	LGALS9	rs147475426	T	C	-0.161	0.027	0.027	2.96E-09	-0.006	0.007	0.398	0.001	35.208	TRUE	4.25E-08
FEV1	LGALS9	rs148010116	A	G	0.095	0.017	0.076	1.86E-08	0.009	0.004	0.052	0.001	31.634	TRUE	1.01E-06
FEV1	LGALS9	rs148762148	T	C	-0.349	0.052	0.018	1.56E-11	-0.007	0.009	0.458	0.001	45.449	TRUE	3.24E-10
FEV1	LGALS9	rs151166422	C	A	0.171	0.026	0.032	3.17E-11	0.008	0.006	0.202	0.001	44.066	TRUE	1.55E-09
FEV1	LGALS9	rs17778162	A	G	-0.241	0.010	0.251	1.05E-130	0.004	0.003	0.190	0.018	591.695	TRUE	5.66E-117
FEV1	LGALS9	rs182081499	C	A	-0.612	0.036	0.018	3.15E-63	-0.008	0.010	0.397	0.009	281.712	TRUE	6.05E-57
FEV1	LGALS9	rs184413698	A	G	-0.261	0.038	0.022	6.29E-12	0.001	0.008	0.891	0.001	47.235	TRUE	4.85E-11
FEV1	LGALS9	rs2611757	C	T	0.069	0.009	0.444	1.61E-15	0.001	0.002	0.571	0.002	63.491	TRUE	5.71E-14
FEV1	LGALS9	rs2779252	T	G	0.190	0.020	0.053	4.94E-22	-0.008	0.006	0.148	0.003	93.105	TRUE	5.86E-19
FEV1	LGALS9	rs2779253	G	T	0.168	0.009	0.379	8.26E-80	0.005	0.002	0.056	0.011	357.832	TRUE	9.20E-70
FEV1	LGALS9	rs34759944	T	C	0.312	0.011	0.198	8.44E-184	-0.003	0.003	0.295	0.026	835.857	TRUE	1.64E-165
FEV1	LGALS9	rs3730013	A	G	-0.051	0.009	0.337	4.12E-08	0.003	0.003	0.290	0.001	30.090	TRUE	5.80E-07
FEV1	LGALS9	rs3764358	C	T	0.071	0.009	0.366	2.21E-15	-0.004	0.002	0.071	0.002	62.865	TRUE	9.81E-13
FEV1	LGALS9	rs3829283	G	A	0.212	0.014	0.116	4.34E-54	0.003	0.004	0.485	0.008	239.789	TRUE	6.53E-49
FEV1	LGALS9	rs4273089	A	G	0.081	0.009	0.474	3.07E-20	0.006	0.002	0.009	0.003	84.937	TRUE	3.67E-16
FEV1	LGALS9	rs4435306	T	G	0.072	0.009	0.464	1.27E-16	0.001	0.002	0.795	0.002	68.488	TRUE	2.96E-15
FEV1	LGALS9	rs4795530	C	A	-0.146	0.009	0.405	4.01E-62	0.004	0.002	0.107	0.009	276.647	TRUE	1.39E-54
FEV1	LGALS9	rs55829174	T	G	0.378	0.047	0.018	9.03E-16	-0.008	0.009	0.338	0.002	64.628	TRUE	7.75E-14
FEV1	LGALS9	rs62066310	A	G	-0.137	0.012	0.161	8.88E-30	0.003	0.003	0.324	0.004	128.456	TRUE	2.12E-26
FEV1	LGALS9	rs62066359	C	A	0.177	0.012	0.165	5.86E-49	0.003	0.003	0.298	0.007	216.265	TRUE	1.10E-43
FEV1	LGALS9	rs658591	G	T	0.063	0.010	0.253	6.42E-10	0.003	0.003	0.370	0.001	38.188	TRUE	1.17E-08
FEV1	LGALS9	rs67827339	T	C	0.100	0.018	0.071	3.43E-08	0.005	0.005	0.338	0.001	30.446	TRUE	4.42E-07
FEV1	LGALS9	rs7215489	C	T	0.137	0.018	0.062	6.15E-14	0.000	0.005	0.933	0.002	56.318	TRUE	6.04E-13
FEV1	LGALS9	rs7218787	T	C	-0.325	0.009	0.427	0.00E+00	-0.005	0.002	0.034	0.043	1440.693	TRUE	9.11E-279
FEV1	LGALS9	rs72845644	T	G	-0.344	0.026	0.032	8.31E-41	-0.002	0.006	0.665	0.006	178.917	TRUE	3.22E-37
FEV1	LGALS9	rs72845806	A	G	0.247	0.037	0.019	1.66E-11	-0.002	0.008	0.846	0.001	45.333	TRUE	1.31E-10
FEV1	LGALS9	rs72845820	A	G	0.266	0.039	0.016	6.47E-12	-0.003	0.009	0.747	0.001	47.178	TRUE	6.86E-11
FEV1	LGALS9	rs72846201	G	T	-0.202	0.031	0.033	1.23E-10	0.010	0.006	0.064	0.001	41.409	TRUE	1.27E-08
FEV1	LGALS9	rs72847758	A	G	-0.345	0.028	0.032	1.07E-34	-0.002	0.007	0.787	0.005	150.950	TRUE	7.74E-32
FEV1	LGALS9	rs74417225	C	T	0.123	0.018	0.065	2.13E-11	-0.005	0.005	0.286	0.001	44.842	TRUE	7.47E-10
FEV1	LGALS9	rs74439792	A	G	-0.627	0.034	0.022	8.04E-76	-0.003	0.010	0.797	0.011	339.518	TRUE	1.31E-69
FEV1	LGALS9	rs75640524	T	C	0.183	0.014	0.108	2.95E-37	0.000	0.004	0.970	0.005	162.658	TRUE	1.50E-34
FEV1	LGALS9	rs75689345	T	C	0.200	0.020	0.056	7.86E-23	0.002	0.005	0.772	0.003	96.744	TRUE	6.38E-21
FEV1	LGALS9	rs76066035	T	C	-0.653	0.022	0.042	7.83E-201	-0.005	0.005	0.362	0.028	914.192	TRUE	2.07E-181
FEV1	LGALS9	rs76687116	A	G	-0.278	0.020	0.056	2.32E-45	0.001	0.005	0.869	0.006	199.781	TRUE	8.53E-42
FEV1	LGALS9	rs77576481	T	C	-0.638	0.021	0.048	1.12E-202	0.001	0.006	0.897	0.028	922.684	TRUE	9.93E-186
FEV1	LGALS9	rs79459903	T	C	-0.512	0.032	0.028	3.92E-57	0.006	0.022	0.788	0.008	253.748	TRUE	1.90E-52
FEV1	LGALS9	rs79969149	A	G	-0.307	0.029	0.030	4.11E-26	-0.013	0.006	0.040	0.004	111.713	TRUE	7.33E-22
FEV1	LGALS9	rs80338342	A	G	0.203	0.028	0.029	3.53E-13	-0.004	0.007	0.510	0.002	52.887	TRUE	9.07E-12
FEV1	LGALS9	rs8073474	T	C	-0.053	0.010	0.381	4.08E-08	-0.001	0.002	0.654	0.001	30.107	TRUE	2.51E-07
FEV1	LGALS9	rs9901070	T	C	0.109	0.016	0.080	1.41E-11	0.003	0.005	0.579	0.001	45.657	TRUE	2.12E-10

FEV1	LGMN	rs113817161	T	C	-0.129	0.019	0.051	1.09E-11	0.009	0.005	0.116	0.001	46.160	TRUE	9.83E-10
FEV1	LGMN	rs118160186	G	A	-0.244	0.043	0.015	1.38E-08	0.004	0.010	0.703	0.001	32.213	TRUE	8.40E-08
FEV1	LGMN	rs12891909	T	C	-0.060	0.009	0.268	2.02E-11	0.006	0.003	0.030	0.001	44.949	TRUE	4.35E-09
FEV1	LGMN	rs140198878	A	C	0.329	0.045	0.016	2.39E-13	0.004	0.014	0.777	0.002	53.655	TRUE	3.14E-12
FEV1	LGMN	rs2402189	A	C	-0.195	0.008	0.401	3.64E-128	0.005	0.002	0.036	0.018	580.019	TRUE	1.39E-112
FEV1	LGMN	rs3783933	T	C	0.095	0.010	0.199	2.01E-20	-0.001	0.003	0.698	0.003	85.772	TRUE	1.27E-18
FEV1	LGMN	rs72701829	T	C	-0.201	0.024	0.031	6.31E-17	-0.007	0.006	0.234	0.002	69.872	TRUE	1.12E-14
FEV1	LGMN	rs72704221	A	G	0.069	0.011	0.182	7.07E-11	0.001	0.003	0.846	0.001	42.497	TRUE	4.98E-10
FEV1	LGMN	rs79132724	G	A	-0.069	0.009	0.243	1.88E-13	0.003	0.003	0.241	0.002	54.125	TRUE	1.39E-11
FEV1	LGMN	rs79340292	A	G	-0.184	0.018	0.056	1.06E-25	-0.002	0.005	0.733	0.003	109.840	TRUE	1.67E-23
FEV1	LGMN	rs943656	A	G	0.065	0.010	0.230	2.04E-11	-0.010	0.003	3.26E-04	0.001	44.927	TRUE	3.96E-08
FEV1	LRPPRC	rs10167454	C	T	0.082	0.011	0.144	3.89E-13	-0.010	0.003	0.003	0.002	52.695	TRUE	7.05E-10
FEV1	LRPPRC	rs111949019	A	G	0.082	0.015	0.085	3.79E-08	-0.003	0.004	0.412	0.001	30.252	TRUE	3.86E-07
FEV1	LRPPRC	rs111949393	C	T	0.278	0.028	0.026	1.23E-22	0.007	0.007	0.297	0.003	95.858	TRUE	6.39E-20
FEV1	LRPPRC	rs1139250	G	A	0.125	0.008	0.379	9.32E-52	0.007	0.002	0.004	0.007	229.095	TRUE	4.30E-43
FEV1	LRPPRC	rs114912224	C	T	-0.354	0.034	0.017	9.81E-26	0.006	0.010	0.525	0.003	109.991	TRUE	3.50E-23
FEV1	LRPPRC	rs115672688	G	A	-0.178	0.020	0.047	1.42E-19	0.000	0.006	0.953	0.003	81.904	TRUE	3.50E-18
FEV1	LRPPRC	rs116461680	C	T	0.192	0.023	0.034	5.59E-17	0.006	0.006	0.336	0.002	70.113	TRUE	6.43E-15
FEV1	LRPPRC	rs11687578	T	C	0.081	0.008	0.414	2.38E-22	0.008	0.003	9.05E-04	0.003	94.554	TRUE	2.52E-17
FEV1	LRPPRC	rs11897851	A	G	0.246	0.014	0.090	6.40E-70	0.010	0.005	0.030	0.010	312.431	TRUE	2.22E-60
FEV1	LRPPRC	rs13422217	A	G	0.195	0.035	0.016	2.17E-08	0.006	0.011	0.560	0.001	31.333	TRUE	1.69E-07
FEV1	LRPPRC	rs139388735	T	C	-0.125	0.017	0.059	3.24E-13	0.006	0.005	0.233	0.002	53.056	TRUE	2.28E-11
FEV1	LRPPRC	rs150144845	A	G	-0.139	0.023	0.032	9.03E-10	-0.002	0.007	0.751	0.001	37.520	TRUE	6.29E-09
FEV1	LRPPRC	rs17031666	C	A	-0.185	0.026	0.029	6.98E-13	0.007	0.006	0.245	0.002	51.546	TRUE	4.37E-11
FEV1	LRPPRC	rs17031779	C	T	0.269	0.028	0.022	1.40E-21	0.008	0.007	0.298	0.003	91.051	TRUE	5.64E-19
FEV1	LRPPRC	rs187870524	G	A	-0.179	0.028	0.025	2.74E-10	0.017	0.010	0.082	0.001	39.849	TRUE	2.09E-08
FEV1	LRPPRC	rs28517482	C	T	-0.100	0.009	0.382	2.28E-26	-0.002	0.003	0.382	0.004	112.883	TRUE	1.81E-23
FEV1	LRPPRC	rs2954802	T	A	0.198	0.029	0.056	1.11E-11	0.004	0.006	0.545	0.001	46.126	TRUE	1.88E-10
FEV1	LRPPRC	rs34421588	C	T	0.067	0.010	0.194	5.36E-11	-0.002	0.003	0.554	0.001	43.039	TRUE	7.69E-10
FEV1	LRPPRC	rs34766907	T	C	0.049	0.008	0.425	1.35E-09	0.002	0.002	0.393	0.001	36.743	TRUE	2.05E-08
FEV1	LRPPRC	rs4245797	T	C	0.307	0.008	0.423	0.00E+00	0.007	0.002	0.003	0.046	1519.765	TRUE	1.37E-290
FEV1	LRPPRC	rs4953131	G	A	-0.051	0.009	0.278	9.71E-09	-0.001	0.003	0.620	0.001	32.897	TRUE	7.26E-08
FEV1	LRPPRC	rs55670036	G	A	-0.117	0.008	0.358	1.88E-45	-0.003	0.002	0.283	0.006	200.200	TRUE	1.96E-40
FEV1	LRPPRC	rs56260466	A	G	0.112	0.018	0.055	1.62E-10	0.002	0.005	0.696	0.001	40.870	TRUE	1.45E-09
FEV1	LRPPRC	rs62134195	T	C	-0.143	0.021	0.040	4.50E-12	0.003	0.006	0.595	0.002	47.889	TRUE	7.15E-11
FEV1	LRPPRC	rs62135060	T	C	-0.342	0.013	0.109	1.90E-161	0.007	0.004	0.085	0.023	733.050	TRUE	2.10E-143
FEV1	LRPPRC	rs62135476	C	A	-0.052	0.008	0.428	7.38E-11	-0.001	0.002	0.771	0.001	42.414	TRUE	6.20E-10
FEV1	LRPPRC	rs647980	G	A	-0.072	0.011	0.159	2.34E-11	0.001	0.003	0.838	0.001	44.663	TRUE	1.86E-10
FEV1	LRPPRC	rs6544768	G	A	0.051	0.009	0.258	2.60E-08	-0.002	0.003	0.508	0.001	30.983	TRUE	2.26E-07
FEV1	LRPPRC	rs6711405	T	C	0.059	0.009	0.310	9.10E-12	0.005	0.003	0.063	0.001	46.509	TRUE	1.34E-09
FEV1	LRPPRC	rs6743151	T	A	0.155	0.012	0.134	1.32E-40	0.006	0.003	0.091	0.006	177.993	TRUE	3.51E-35
FEV1	LRPPRC	rs72800951	G	C	-0.092	0.009	0.295	3.10E-26	-0.002	0.003	0.470	0.004	112.277	TRUE	1.54E-23

FEV1	LRPPRC	rs74344741	C	T	0.190	0.027	0.026	1.13E-12	-0.002	0.008	0.795	0.002	50.595	TRUE	1.25E-11
FEV1	LRPPRC	rs75129798	T	C	0.170	0.017	0.061	9.19E-25	0.000	0.005	0.941	0.003	105.556	TRUE	6.04E-23
FEV1	LRPPRC	rs76710528	C	T	0.109	0.015	0.075	1.37E-12	-0.002	0.005	0.711	0.002	50.223	TRUE	1.82E-11
FEV1	LTBR	rs10466905	A	G	-0.183	0.010	0.195	2.85E-68	-0.001	0.003	0.756	0.010	304.859	TRUE	1.33E-62
FEV1	LTBR	rs10774431	C	T	-0.059	0.008	0.508	2.65E-13	0.001	0.002	0.563	0.002	53.450	TRUE	6.39E-12
FEV1	LTBR	rs10849440	T	C	0.227	0.028	0.034	1.47E-16	-0.001	0.007	0.903	0.002	68.210	TRUE	2.51E-15
FEV1	LTBR	rs112651654	T	C	0.236	0.029	0.024	2.39E-16	-0.002	0.007	0.787	0.002	67.249	TRUE	5.39E-15
FEV1	LTBR	rs113108437	A	G	-0.209	0.034	0.018	1.17E-09	0.008	0.010	0.411	0.001	37.020	TRUE	1.77E-08
FEV1	LTBR	rs113366126	T	C	-0.125	0.018	0.059	8.76E-12	0.008	0.005	0.132	0.001	46.586	TRUE	7.29E-10
FEV1	LTBR	rs117765687	T	A	0.097	0.017	0.059	3.01E-08	0.009	0.005	0.069	0.001	30.699	TRUE	1.33E-06
FEV1	LTBR	rs138955568	T	C	-0.155	0.020	0.054	2.36E-14	-0.001	0.006	0.812	0.002	58.204	TRUE	3.40E-13
FEV1	LTBR	rs1800692	A	G	0.216	0.008	0.381	4.05E-154	0.001	0.002	0.551	0.022	699.351	TRUE	3.49E-140
FEV1	LTBR	rs2302256	A	G	-0.075	0.013	0.113	2.50E-08	0.005	0.004	0.240	0.001	31.061	TRUE	4.58E-07
FEV1	LTBR	rs2364480	C	A	0.295	0.010	0.236	1.08E-205	-0.010	0.003	2.37E-04	0.029	936.552	TRUE	1.39E-176
FEV1	LTBR	rs2886088	T	C	0.142	0.025	0.030	1.88E-08	-0.008	0.007	0.286	0.001	31.609	TRUE	3.04E-07
FEV1	LTBR	rs34819705	C	G	-0.074	0.013	0.107	1.13E-08	-0.004	0.004	0.245	0.001	32.598	TRUE	2.22E-07
FEV1	LTBR	rs3764875	C	T	-0.081	0.010	0.358	2.06E-17	-0.003	0.003	0.226	0.002	72.086	TRUE	4.27E-15
FEV1	LTBR	rs4149579	T	C	0.157	0.018	0.067	3.91E-19	0.006	0.005	0.222	0.003	79.911	TRUE	1.32E-16
FEV1	LTBR	rs4764547	A	G	0.099	0.014	0.094	5.80E-13	0.001	0.004	0.810	0.002	51.909	TRUE	6.45E-12
FEV1	LTBR	rs4764580	T	C	-0.103	0.010	0.429	2.49E-23	0.003	0.002	0.306	0.003	99.021	TRUE	1.52E-20
FEV1	LTBR	rs78230818	A	G	-0.144	0.021	0.048	6.42E-12	-0.006	0.005	0.242	0.001	47.194	TRUE	3.11E-10
FEV1	LTBR	rs887479	G	C	0.094	0.010	0.225	1.35E-20	0.002	0.003	0.533	0.003	86.559	TRUE	1.58E-18
FEV1	MAP1LC3A	rs116862924	C	T	0.256	0.034	0.019	4.33E-14	-0.008	0.009	0.382	0.002	57.008	TRUE	2.06E-12
FEV1	MAP1LC3A	rs117991706	G	A	-0.523	0.026	0.027	1.29E-90	-0.005	0.008	0.474	0.013	407.456	TRUE	4.14E-82
FEV1	MAP1LC3A	rs1205339	G	A	-0.479	0.010	0.172	0.00E+00	0.006	0.003	0.061	0.065	2202.524	TRUE	0.00E+00
FEV1	MAP1LC3A	rs13044031	C	A	0.157	0.019	0.053	2.87E-17	-0.015	0.005	0.004	0.002	71.425	TRUE	1.96E-13
FEV1	MAP1LC3A	rs137942933	T	G	-0.760	0.033	0.022	7.65E-120	0.021	0.008	0.007	0.017	541.766	TRUE	1.20E-103
FEV1	MAP1LC3A	rs142107216	T	G	-0.488	0.040	0.016	7.43E-35	0.009	0.011	0.423	0.005	151.674	TRUE	3.01E-31
FEV1	MAP1LC3A	rs17092209	G	A	0.082	0.014	0.104	2.30E-09	0.009	0.004	0.017	0.001	35.701	TRUE	3.21E-07
FEV1	MAP1LC3A	rs2254207	C	A	0.064	0.009	0.260	1.91E-12	-0.002	0.003	0.440	0.002	49.567	TRUE	4.96E-11
FEV1	MAP1LC3A	rs2378353	A	G	0.076	0.009	0.333	6.80E-19	-0.015	0.003	3.91E-09	0.002	78.818	TRUE	4.27E-12
FEV1	MAP1LC3A	rs2425020	T	C	-0.157	0.011	0.174	4.53E-48	0.007	0.003	0.011	0.007	212.197	TRUE	1.78E-40
FEV1	MAP1LC3A	rs2747565	A	G	-0.080	0.009	0.296	2.33E-17	0.004	0.003	0.096	0.002	71.841	TRUE	1.18E-14
FEV1	MAP1LC3A	rs34808007	T	C	-0.292	0.015	0.082	7.29E-89	0.012	0.004	0.002	0.012	399.417	TRUE	3.33E-75
FEV1	MAP1LC3A	rs35877032	A	G	-0.334	0.031	0.025	6.19E-27	0.007	0.008	0.386	0.004	115.469	TRUE	5.38E-24
FEV1	MAP1LC3A	rs41290900	C	T	0.354	0.054	0.012	6.09E-11	-0.036	0.015	0.018	0.001	42.787	TRUE	1.57E-08
FEV1	MAP1LC3A	rs4911358	C	G	-0.070	0.009	0.282	1.67E-14	-0.003	0.003	0.247	0.002	58.880	TRUE	1.55E-12
FEV1	MAP1LC3A	rs56924014	A	G	-0.498	0.019	0.044	9.48E-147	0.000	0.008	0.978	0.021	665.463	TRUE	4.13E-135
FEV1	MAP1LC3A	rs6060124	A	C	-0.260	0.009	0.278	1.70E-192	0.012	0.003	1.67E-06	0.027	875.849	TRUE	4.12E-161
FEV1	MAP1LC3A	rs6060308	A	G	0.133	0.009	0.325	5.00E-55	-0.014	0.003	2.36E-07	0.008	244.094	TRUE	4.43E-42
FEV1	MAP1LC3A	rs6088456	A	G	0.130	0.017	0.070	3.73E-15	0.003	0.005	0.497	0.002	61.835	TRUE	1.51E-13
FEV1	MAP1LC3A	rs6088595	A	T	0.191	0.008	0.378	2.09E-119	-0.004	0.002	0.147	0.017	539.753	TRUE	2.30E-106

FEV1	MAP1LC3A	rs6119422	G	A	-0.143	0.008	0.450	3.65E-71	0.004	0.002	0.093	0.010	318.139	TRUE	1.79E-62
FEV1	MAP1LC3A	rs6141533	G	T	0.096	0.009	0.260	7.08E-25	0.000	0.003	0.895	0.003	106.075	TRUE	5.71E-23
FEV1	MAP1LC3A	rs7268203	C	T	0.098	0.016	0.066	1.36E-09	-0.001	0.005	0.780	0.001	36.716	TRUE	8.66E-09
FEV1	MAP1LC3A	rs73255023	G	A	-0.499	0.076	0.018	3.75E-11	0.012	0.016	0.474	0.001	43.737	TRUE	6.83E-10
FEV1	MAP1LC3A	rs742614	A	G	-0.080	0.008	0.461	4.18E-23	0.006	0.002	0.016	0.003	97.996	TRUE	6.64E-19
FEV1	MAP1LC3A	rs74778497	A	G	0.115	0.019	0.056	2.39E-09	0.007	0.005	0.150	0.001	35.624	TRUE	8.41E-08
FEV1	MAP1LC3A	rs75084006	T	G	0.135	0.024	0.033	2.15E-08	0.018	0.007	0.013	0.001	31.356	TRUE	2.41E-06
FEV1	MAP1LC3A	rs76660268	C	T	0.160	0.026	0.044	1.22E-09	0.003	0.005	0.510	0.001	36.940	TRUE	1.42E-08
FEV1	MAP1LC3A	rs78344890	G	C	0.070	0.011	0.161	1.34E-10	-0.004	0.003	0.271	0.001	41.250	TRUE	4.19E-09
FEV1	MAP1LC3A	rs79189763	T	C	0.321	0.034	0.017	5.56E-21	-0.021	0.009	0.023	0.003	88.317	TRUE	3.65E-17
FEV1	MAP3K7	rs17747150	G	A	-0.169	0.009	0.287	7.04E-83	0.005	0.003	0.047	0.012	371.926	TRUE	2.50E-72
FEV1	MAP3K7	rs1923074	C	A	0.064	0.009	0.241	7.46E-12	-0.001	0.003	0.602	0.001	46.900	TRUE	1.08E-10
FEV1	MAP3K7	rs34674015	T	C	0.067	0.010	0.204	1.02E-11	0.001	0.003	0.796	0.001	46.289	TRUE	9.04E-11
FEV1	MAP3K7	rs45625637	T	A	0.143	0.017	0.068	4.70E-17	-0.008	0.004	0.076	0.002	70.455	TRUE	3.16E-14
FEV1	MAP3K7	rs80138790	T	C	-0.165	0.023	0.034	1.09E-12	0.012	0.007	0.073	0.002	50.680	TRUE	1.92E-10
FEV1	MAPK3	rs1050881	T	C	0.147	0.015	0.083	5.50E-22	0.008	0.005	0.117	0.003	92.894	TRUE	8.71E-19
FEV1	MAPK3	rs112294239	T	C	-0.300	0.019	0.052	6.05E-59	-0.009	0.005	0.083	0.008	262.061	TRUE	1.88E-51
FEV1	MAPK3	rs113199118	A	G	-0.134	0.024	0.032	1.79E-08	-0.017	0.007	0.022	0.001	31.708	TRUE	1.60E-06
FEV1	MAPK3	rs11648675	C	T	-0.087	0.010	0.307	5.26E-18	-0.002	0.003	0.414	0.002	74.776	TRUE	5.32E-16
FEV1	MAPK3	rs117210898	T	C	-0.225	0.020	0.049	3.71E-29	-0.019	0.005	3.95E-04	0.004	125.621	TRUE	9.15E-23
FEV1	MAPK3	rs117391625	T	C	-0.160	0.015	0.081	1.34E-25	-0.006	0.004	0.132	0.003	109.377	TRUE	5.15E-22
FEV1	MAPK3	rs117548034	G	A	-0.247	0.029	0.025	2.85E-17	0.008	0.007	0.240	0.002	71.438	TRUE	5.41E-15
FEV1	MAPK3	rs11859842	T	C	0.121	0.008	0.515	2.67E-52	0.008	0.002	7.33E-04	0.007	231.584	TRUE	1.01E-42
FEV1	MAPK3	rs12102367	T	C	0.128	0.013	0.110	2.07E-23	-0.013	0.004	2.02E-04	0.003	99.382	TRUE	9.25E-18
FEV1	MAPK3	rs139148055	T	C	-0.370	0.046	0.017	4.59E-16	0.003	0.014	0.806	0.002	65.963	TRUE	9.33E-15
FEV1	MAPK3	rs141162502	T	C	0.259	0.041	0.019	2.55E-10	0.013	0.008	0.127	0.001	39.988	TRUE	1.42E-08
FEV1	MAPK3	rs141989501	C	G	0.208	0.036	0.017	6.00E-09	0.015	0.009	0.105	0.001	33.833	TRUE	2.46E-07
FEV1	MAPK3	rs142097700	A	G	0.284	0.041	0.014	7.52E-12	0.003	0.008	0.695	0.001	46.884	TRUE	8.95E-11
FEV1	MAPK3	rs143242484	T	C	0.466	0.023	0.040	9.64E-95	0.002	0.006	0.770	0.013	426.420	TRUE	7.34E-87
FEV1	MAPK3	rs146414244	T	C	-0.158	0.027	0.030	5.37E-09	0.006	0.007	0.454	0.001	34.050	TRUE	6.24E-08
FEV1	MAPK3	rs147553474	C	T	0.425	0.025	0.037	2.95E-67	0.018	0.005	4.82E-04	0.009	300.200	TRUE	1.42E-55
FEV1	MAPK3	rs147785243	G	A	0.243	0.040	0.026	1.62E-09	0.001	0.007	0.893	0.001	36.385	TRUE	7.91E-09
FEV1	MAPK3	rs148266117	G	A	0.218	0.034	0.026	2.26E-10	0.010	0.011	0.348	0.001	40.223	TRUE	4.90E-09
FEV1	MAPK3	rs149522395	G	A	0.333	0.060	0.016	3.60E-08	-0.015	0.010	0.111	0.001	30.354	TRUE	1.10E-06
FEV1	MAPK3	rs149774427	A	G	-0.335	0.039	0.017	1.13E-17	-0.014	0.008	0.086	0.002	73.266	TRUE	7.73E-15
FEV1	MAPK3	rs149918713	T	C	0.252	0.045	0.021	1.64E-08	-0.023	0.011	0.034	0.001	31.878	TRUE	1.18E-06
FEV1	MAPK3	rs150773264	A	G	0.252	0.017	0.062	7.19E-52	0.000	0.005	0.978	0.007	229.610	TRUE	4.86E-48
FEV1	MAPK3	rs189384733	A	G	0.501	0.066	0.016	3.14E-14	0.008	0.014	0.573	0.002	57.644	TRUE	8.52E-13
FEV1	MAPK3	rs193301319	T	C	-0.218	0.036	0.016	2.07E-09	-0.012	0.010	0.225	0.001	35.906	TRUE	5.36E-08
FEV1	MAPK3	rs2003857	A	G	-0.134	0.021	0.055	1.06E-10	-0.013	0.005	0.009	0.001	41.698	TRUE	3.58E-08
FEV1	MAPK3	rs235645	A	G	0.075	0.010	0.489	1.16E-13	0.008	0.002	0.002	0.002	55.079	TRUE	3.54E-10
FEV1	MAPK3	rs3087439	T	C	-0.250	0.016	0.074	2.27E-58	-0.007	0.004	0.119	0.008	259.425	TRUE	2.77E-51

FEV1	MAPK3	rs34640030	A	G	-0.223	0.029	0.023	2.81E-14	0.003	0.008	0.719	0.002	57.860	TRUE	5.13E-13
FEV1	MAPK3	rs34679599	T	C	-0.408	0.017	0.071	7.53E-134	0.003	0.004	0.550	0.019	606.155	TRUE	1.03E-121
FEV1	MAPK3	rs34843513	G	A	0.318	0.024	0.034	5.58E-40	0.015	0.007	0.039	0.005	175.127	TRUE	4.70E-34
FEV1	MAPK3	rs35388821	G	A	-0.070	0.012	0.150	6.70E-09	-0.001	0.003	0.654	0.001	33.617	TRUE	4.72E-08
FEV1	MAPK3	rs35478648	G	T	-0.369	0.017	0.069	7.64E-105	-0.007	0.004	0.130	0.015	472.831	TRUE	4.22E-93
FEV1	MAPK3	rs4243233	G	A	0.065	0.008	0.445	5.81E-16	0.000	0.002	0.946	0.002	65.496	TRUE	8.16E-15
FEV1	MAPK3	rs4471699	T	G	-0.375	0.008	0.435	0.00E+00	-0.006	0.002	0.008	0.067	2272.880	TRUE	0.00E+00
FEV1	MAPK3	rs4548895	G	A	0.411	0.008	0.413	0.00E+00	0.007	0.002	0.002	0.074	2537.621	TRUE	0.00E+00
FEV1	MAPK3	rs4787482	T	G	-0.187	0.009	0.305	1.81E-88	-0.002	0.003	0.430	0.012	397.601	TRUE	5.59E-80
FEV1	MAPK3	rs55680039	G	T	-0.506	0.024	0.036	5.76E-102	-0.005	0.006	0.429	0.014	459.611	TRUE	2.95E-92
FEV1	MAPK3	rs56000057	C	G	0.174	0.030	0.027	7.23E-09	0.000	0.006	0.946	0.001	33.471	TRUE	2.88E-08
FEV1	MAPK3	rs56329348	A	G	0.493	0.026	0.031	1.86E-79	0.006	0.006	0.307	0.011	356.212	TRUE	2.48E-71
FEV1	MAPK3	rs56353063	C	G	-0.145	0.010	0.227	2.73E-51	-0.011	0.003	1.06E-04	0.007	226.959	TRUE	3.98E-41
FEV1	MAPK3	rs59650907	A	G	0.070	0.012	0.176	1.54E-09	0.000	0.003	0.897	0.001	36.477	TRUE	7.63E-09
FEV1	MAPK3	rs62055389	G	T	0.426	0.018	0.063	2.25E-124	-0.007	0.004	0.136	0.017	562.592	TRUE	1.07E-110
FEV1	MAPK3	rs67693285	G	T	-0.130	0.008	0.481	5.23E-59	-0.008	0.002	9.52E-04	0.008	262.350	TRUE	1.11E-48
FEV1	MAPK3	rs7190269	A	C	0.186	0.009	0.310	8.40E-103	0.007	0.003	0.003	0.014	463.449	TRUE	4.73E-88
FEV1	MAPK3	rs72791208	T	C	0.418	0.027	0.027	1.39E-53	0.000	0.007	0.950	0.007	237.466	TRUE	1.49E-49
FEV1	MAPK3	rs72798125	T	C	0.209	0.022	0.048	7.62E-22	0.010	0.005	0.053	0.003	92.250	TRUE	2.78E-18
FEV1	MAPK3	rs73534263	G	A	0.117	0.011	0.162	1.41E-24	0.007	0.004	0.060	0.003	104.704	TRUE	9.79E-21
FEV1	MAPK3	rs74776661	A	C	-0.257	0.036	0.018	8.53E-13	0.027	0.011	0.013	0.002	51.154	TRUE	5.32E-10
FEV1	MAPK3	rs77250249	A	G	0.351	0.052	0.015	2.05E-11	0.023	0.011	0.039	0.001	44.919	TRUE	3.90E-09
FEV1	MAPK3	rs77871165	C	T	0.457	0.032	0.020	1.33E-46	0.007	0.008	0.410	0.006	205.468	TRUE	7.11E-42
FEV1	MAPK3	rs80273739	G	A	-0.404	0.026	0.030	3.44E-56	0.000	0.006	0.985	0.008	249.423	TRUE	4.94E-52
FEV1	MAPK3	rs8047140	T	C	0.149	0.012	0.145	3.13E-36	-0.006	0.004	0.125	0.005	157.963	TRUE	1.72E-31
FEV1	MAPK3	rs873623	T	C	-0.084	0.010	0.232	2.36E-18	-0.002	0.003	0.498	0.002	76.362	TRUE	1.91E-16
FEV1	MAPK3	rs9796793	A	G	0.284	0.016	0.073	1.15E-68	0.005	0.006	0.472	0.010	306.667	TRUE	3.88E-62
FEV1	MAPK7	rs12325948	T	C	-0.167	0.027	0.035	2.97E-10	0.004	0.010	0.681	0.001	39.690	TRUE	2.65E-09
FEV1	MAPK7	rs7502682	G	T	-0.134	0.009	0.248	4.16E-47	0.006	0.003	0.024	0.007	207.779	TRUE	5.08E-40
FEV1	MAPK7	rs79259362	G	A	0.072	0.011	0.168	2.86E-11	-0.005	0.003	0.074	0.001	44.265	TRUE	3.31E-09
FEV1	MLH1	rs112026459	T	C	0.345	0.058	0.018	2.52E-09	-0.010	0.009	0.235	0.001	35.519	TRUE	6.16E-08
FEV1	MLH1	rs115920807	T	A	-0.212	0.030	0.040	2.19E-12	0.004	0.006	0.501	0.002	49.303	TRUE	4.81E-11
FEV1	MLH1	rs13059224	A	G	0.354	0.039	0.026	1.89E-19	0.004	0.008	0.625	0.003	81.344	TRUE	1.28E-17
FEV1	MLH1	rs139486892	A	G	0.303	0.049	0.016	6.24E-10	0.005	0.009	0.561	0.001	38.242	TRUE	6.80E-09
FEV1	MLH1	rs143110198	T	C	0.309	0.052	0.014	2.34E-09	-0.018	0.011	0.103	0.001	35.662	TRUE	1.13E-07
FEV1	MLH1	rs1800734	A	G	0.411	0.014	0.225	1.35E-196	-0.007	0.003	0.010	0.027	894.717	TRUE	6.05E-172
FEV1	MLH1	rs189897	A	T	-0.096	0.016	0.172	8.01E-10	0.003	0.003	0.381	0.001	37.756	TRUE	1.36E-08
FEV1	MLH1	rs34827295	G	A	0.143	0.017	0.153	6.02E-18	-0.011	0.004	0.002	0.002	74.511	TRUE	8.02E-14
FEV1	MLH1	rs374951	C	T	-0.152	0.013	0.264	7.71E-30	-0.003	0.003	0.208	0.004	128.736	TRUE	4.08E-26
FEV1	MLH1	rs74887364	C	T	0.326	0.032	0.036	1.14E-24	-0.008	0.007	0.232	0.003	105.134	TRUE	1.42E-21
FEV1	MLH1	rs75466291	G	A	0.304	0.031	0.037	2.96E-22	0.001	0.006	0.848	0.003	94.123	TRUE	1.67E-20
FEV1	MLH1	rs76147683	A	G	0.314	0.040	0.031	3.89E-15	0.001	0.007	0.834	0.002	61.750	TRUE	6.22E-14

FEV1	MLH1	rs76307598	A	T	-0.193	0.022	0.083	3.20E-18	-0.004	0.004	0.383	0.002	75.758	TRUE	4.02E-16
FEV1	MLH1	rs79707887	C	T	-0.133	0.022	0.104	5.98E-10	0.003	0.004	0.408	0.001	38.326	TRUE	9.63E-09
FEV1	MLH1	rs879904	C	T	0.102	0.012	0.343	3.16E-16	-0.006	0.002	0.018	0.002	66.696	TRUE	5.85E-13
FEV1	MLH1	rs9311138	A	G	-0.119	0.018	0.118	6.79E-11	0.000	0.004	0.940	0.001	42.576	TRUE	3.93E-10
FEV1	MSH6	rs10169431	T	C	-0.077	0.012	0.423	1.21E-10	0.004	0.002	0.067	0.001	41.453	TRUE	1.12E-08
FEV1	MSH6	rs10210340	A	T	-0.124	0.016	0.158	4.71E-14	-0.005	0.003	0.085	0.002	56.845	TRUE	1.17E-11
FEV1	MSH6	rs111739930	A	C	-0.406	0.046	0.024	1.10E-18	0.003	0.008	0.729	0.002	77.862	TRUE	4.54E-17
FEV1	MSH6	rs111861797	C	T	0.509	0.015	0.171	1.21E-247	-0.006	0.003	0.036	0.034	1129.548	TRUE	6.23E-219
FEV1	MSH6	rs111965445	G	C	-0.416	0.015	0.176	7.26E-166	0.010	0.003	0.002	0.023	753.368	TRUE	6.95E-143
FEV1	MSH6	rs114121626	T	C	-0.306	0.032	0.035	2.41E-21	-0.004	0.007	0.499	0.003	89.975	TRUE	3.79E-19
FEV1	MSH6	rs115414458	C	T	-0.345	0.048	0.024	8.43E-13	0.010	0.011	0.392	0.002	51.176	TRUE	2.85E-11
FEV1	MSH6	rs116554316	A	G	0.313	0.046	0.020	1.27E-11	0.003	0.008	0.686	0.001	45.854	TRUE	1.48E-10
FEV1	MSH6	rs11689093	A	G	0.157	0.019	0.109	1.52E-16	0.000	0.004	0.919	0.002	68.134	TRUE	2.54E-15
FEV1	MSH6	rs11892597	A	C	-0.076	0.012	0.383	5.32E-10	0.000	0.002	0.883	0.001	38.554	TRUE	3.02E-09
FEV1	MSH6	rs12468825	T	C	-0.174	0.022	0.080	1.46E-15	0.003	0.004	0.455	0.002	63.686	TRUE	7.56E-14
FEV1	MSH6	rs137896892	T	C	0.400	0.043	0.020	9.95E-21	-0.008	0.008	0.300	0.003	87.167	TRUE	3.27E-18
FEV1	MSH6	rs140863805	G	A	0.387	0.063	0.013	8.96E-10	0.003	0.010	0.744	0.001	37.538	TRUE	6.32E-09
FEV1	MSH6	rs145663316	T	C	-0.433	0.044	0.019	3.94E-23	0.019	0.009	0.043	0.003	98.111	TRUE	2.58E-19
FEV1	MSH6	rs150279774	T	C	0.421	0.031	0.037	1.82E-41	-0.014	0.006	0.023	0.006	181.936	TRUE	4.77E-35
FEV1	MSH6	rs2037230	T	C	-0.207	0.019	0.114	5.60E-29	0.001	0.004	0.702	0.004	124.802	TRUE	1.80E-26
FEV1	MSH6	rs2881862	G	A	-0.084	0.012	0.447	2.35E-12	0.004	0.002	0.114	0.002	49.162	TRUE	2.76E-10
FEV1	MSH6	rs2969769	C	T	-0.098	0.014	0.221	1.36E-11	0.005	0.003	0.075	0.001	45.730	TRUE	1.70E-09
FEV1	MSH6	rs3136329	C	T	-0.120	0.012	0.424	1.06E-23	0.005	0.002	0.026	0.003	100.719	TRUE	1.21E-19
FEV1	MSH6	rs4356705	G	A	-0.135	0.012	0.364	2.39E-28	0.013	0.002	2.02E-07	0.004	121.926	TRUE	3.97E-20
FEV1	MSH6	rs61087417	A	T	0.203	0.022	0.081	2.14E-20	0.003	0.004	0.489	0.003	85.653	TRUE	2.73E-18
FEV1	MSH6	rs61387839	G	A	-0.100	0.013	0.286	2.14E-14	-0.001	0.003	0.774	0.002	58.396	TRUE	3.39E-13
FEV1	MSH6	rs62139953	T	C	0.254	0.024	0.067	8.29E-27	-0.003	0.005	0.528	0.004	114.890	TRUE	3.51E-24
FEV1	MSH6	rs7371084	C	T	-0.119	0.017	0.148	7.78E-13	0.004	0.003	0.256	0.002	51.334	TRUE	4.61E-11
FEV1	MSH6	rs75315139	G	A	-0.370	0.045	0.019	2.40E-16	-0.006	0.008	0.408	0.002	67.242	TRUE	1.74E-14
FEV1	MSH6	rs75490457	G	T	0.345	0.035	0.030	1.33E-22	-0.010	0.006	0.098	0.003	95.705	TRUE	3.06E-19
FEV1	MSH6	rs7557658	C	T	0.180	0.024	0.062	1.92E-13	0.000	0.005	0.986	0.002	54.078	TRUE	1.54E-12
FEV1	MSH6	rs7592742	G	T	-0.126	0.014	0.256	1.16E-20	0.006	0.003	0.041	0.003	86.857	TRUE	3.92E-17
FEV1	MSH6	rs78931117	T	C	0.376	0.039	0.023	1.43E-21	-0.004	0.008	0.586	0.003	91.006	TRUE	1.70E-19
FEV1	MSH6	rs80204470	C	T	0.347	0.059	0.015	5.27E-09	-0.001	0.009	0.943	0.001	34.085	TRUE	2.14E-08
FEV1	MSH6	rs876969	T	C	0.114	0.014	0.230	4.04E-16	-0.009	0.003	8.12E-04	0.002	66.213	TRUE	3.92E-12
FEV1	MT3	rs111261127	T	C	-0.159	0.025	0.028	2.40E-10	0.008	0.007	0.216	0.001	40.107	TRUE	8.29E-09
FEV1	MT3	rs142260603	A	G	0.174	0.025	0.033	2.87E-12	-0.003	0.007	0.720	0.002	48.771	TRUE	3.49E-11
FEV1	MT3	rs1580833	A	C	-0.150	0.009	0.299	9.25E-65	-0.005	0.003	0.033	0.009	288.746	TRUE	5.03E-56
FEV1	MT3	rs1909751	A	G	0.066	0.011	0.161	1.91E-09	0.005	0.003	0.104	0.001	36.060	TRUE	9.34E-08
FEV1	MT3	rs4783952	T	C	0.055	0.008	0.419	1.51E-11	-0.001	0.002	0.641	0.001	45.522	TRUE	1.90E-10
FEV1	MT3	rs4784695	T	G	-0.086	0.013	0.109	3.09E-11	-0.008	0.004	0.048	0.001	44.113	TRUE	4.70E-09
FEV1	MT3	rs62038122	T	C	-0.137	0.023	0.035	3.57E-09	0.000	0.006	0.949	0.001	34.846	TRUE	1.49E-08

FEV1	MT3	rs79709338	T	C	0.188	0.029	0.022	1.26E-10	0.005	0.008	0.526	0.001	41.363	TRUE	1.75E-09
FEV1	MUC1	rs10752610	T	C	0.169	0.029	0.021	7.86E-09	-0.006	0.010	0.534	0.001	33.307	TRUE	7.24E-08
FEV1	MUC1	rs11465212	A	G	-0.173	0.032	0.019	4.85E-08	-0.017	0.009	0.067	0.001	29.775	TRUE	1.96E-06
FEV1	MUC1	rs11583438	G	C	0.053	0.009	0.227	1.83E-08	0.001	0.003	0.712	0.001	31.666	TRUE	1.06E-07
FEV1	MUC1	rs116631741	C	T	0.340	0.051	0.016	2.36E-11	0.017	0.010	0.086	0.001	44.644	TRUE	2.39E-09
FEV1	MUC1	rs1218578	A	G	0.048	0.008	0.454	1.78E-09	0.002	0.002	0.495	0.001	36.195	TRUE	2.03E-08
FEV1	MUC1	rs141942982	T	G	-0.244	0.014	0.093	3.02E-70	-0.011	0.004	0.005	0.010	313.922	TRUE	1.57E-59
FEV1	MUC1	rs34455078	A	G	-0.099	0.013	0.108	1.65E-14	-0.011	0.004	0.002	0.002	58.905	TRUE	6.34E-11
FEV1	MUC1	rs3766916	T	C	0.063	0.008	0.402	1.09E-14	0.002	0.002	0.357	0.002	59.731	TRUE	6.53E-13
FEV1	MUC1	rs4845700	C	T	-0.095	0.010	0.186	1.95E-20	0.003	0.003	0.332	0.003	85.832	TRUE	5.06E-18
FEV1	MUC1	rs4971100	A	G	0.063	0.008	0.423	3.81E-15	-0.009	0.002	2.26E-04	0.002	61.791	TRUE	4.63E-11
FEV1	MUC1	rs61811895	T	G	0.115	0.011	0.169	2.67E-26	0.011	0.003	2.82E-04	0.004	112.575	TRUE	2.97E-20
FEV1	MUC1	rs6660884	C	T	0.080	0.008	0.380	1.85E-22	0.007	0.003	0.006	0.003	95.048	TRUE	5.47E-18
FEV1	MUC1	rs6694256	C	T	0.375	0.021	0.040	1.01E-68	0.014	0.006	0.020	0.010	306.923	TRUE	4.33E-59
FEV1	MUC1	rs8177960	A	G	-0.288	0.034	0.022	1.84E-17	-0.011	0.012	0.370	0.002	72.303	TRUE	2.01E-15
FEV1	MUC1	rs9426933	C	T	0.053	0.008	0.347	3.15E-10	-0.007	0.003	0.006	0.001	39.577	TRUE	9.90E-08
FEV1	MYH10	rs1874916	C	T	0.056	0.010	0.242	3.76E-08	0.003	0.003	0.359	0.001	30.268	TRUE	4.57E-07
FEV1	MYH10	rs34363598	C	T	0.287	0.029	0.031	7.86E-24	0.023	0.008	0.005	0.003	101.306	TRUE	5.04E-19
FEV1	MYH10	rs72845200	T	C	-0.079	0.010	0.266	1.23E-15	-0.003	0.003	0.330	0.002	64.015	TRUE	1.02E-13
FEV1	MYH10	rs9906019	T	C	0.064	0.009	0.450	1.53E-13	0.003	0.002	0.142	0.002	54.529	TRUE	2.00E-11
FEV1	NFKB1	rs11097787	T	C	0.183	0.008	0.383	5.70E-110	-0.006	0.002	0.016	0.015	496.395	TRUE	1.29E-95
FEV1	NFKB1	rs115300197	T	C	0.134	0.024	0.034	3.96E-08	-0.001	0.005	0.889	0.001	30.167	TRUE	1.53E-07
FEV1	NFKB1	rs144873903	A	G	-0.125	0.014	0.092	3.21E-19	0.001	0.004	0.739	0.003	80.302	TRUE	1.44E-17
FEV1	NFKB1	rs230487	C	A	-0.073	0.009	0.304	1.92E-15	-0.001	0.003	0.751	0.002	63.144	TRUE	3.93E-14
FEV1	NFKB1	rs4648128	G	A	0.165	0.022	0.038	5.59E-14	-0.002	0.006	0.770	0.002	56.508	TRUE	8.28E-13
FEV1	NFKB1	rs6533056	C	T	0.060	0.008	0.410	1.98E-13	-0.003	0.002	0.235	0.002	54.022	TRUE	1.52E-11
FEV1	NFKB1	rs73837248	G	A	0.267	0.018	0.053	2.99E-49	-0.007	0.006	0.224	0.007	217.608	TRUE	1.27E-43
FEV1	NFKB1	rs76237068	G	T	0.131	0.024	0.032	3.68E-08	-0.014	0.007	0.058	0.001	30.310	TRUE	1.70E-06
FEV1	NFKB1	rs79590323	C	T	-0.167	0.018	0.061	2.39E-21	0.006	0.005	0.181	0.003	89.986	TRUE	1.85E-18
FEV1	NPC2	rs10146860	T	G	0.063	0.010	0.327	1.22E-09	-0.009	0.003	3.01E-04	0.001	36.937	TRUE	1.09E-06
FEV1	NPC2	rs10220695	G	C	0.093	0.017	0.061	2.32E-08	0.011	0.005	0.028	0.001	31.201	TRUE	1.75E-06
FEV1	NPC2	rs11625990	A	G	0.060	0.009	0.405	2.97E-12	-0.009	0.002	1.83E-04	0.002	48.703	TRUE	1.20E-08
FEV1	NPC2	rs117238791	T	C	0.176	0.030	0.023	5.81E-09	0.002	0.008	0.772	0.001	33.894	TRUE	3.33E-08
FEV1	NPC2	rs117409005	A	G	-0.171	0.016	0.070	1.41E-26	0.014	0.004	0.002	0.004	113.834	TRUE	5.04E-21
FEV1	NPC2	rs117994407	T	C	-0.337	0.030	0.023	3.98E-30	0.014	0.009	0.098	0.004	130.052	TRUE	6.71E-26
FEV1	NPC2	rs12889797	A	G	-0.162	0.010	0.205	1.66E-58	-0.001	0.004	0.806	0.008	260.049	TRUE	9.96E-54
FEV1	NPC2	rs3825711	G	C	0.109	0.020	0.044	2.72E-08	-0.009	0.008	0.224	0.001	30.896	TRUE	5.19E-07
FEV1	NPC2	rs4903222	T	G	0.123	0.010	0.191	2.06E-32	-0.013	0.003	2.09E-05	0.004	140.499	TRUE	1.13E-24
FEV1	NPC2	rs57404741	T	C	-0.073	0.012	0.143	4.33E-10	-0.013	0.003	7.89E-05	0.001	38.955	TRUE	8.51E-07
FEV1	NPC2	rs61734850	C	G	0.086	0.013	0.111	3.39E-11	0.003	0.004	0.354	0.001	43.933	TRUE	8.79E-10
FEV1	NPC2	rs7145480	A	G	0.201	0.028	0.026	2.91E-13	-0.009	0.006	0.164	0.002	53.264	TRUE	2.98E-11
FEV1	NPC2	rs75441777	T	G	-0.199	0.029	0.022	7.26E-12	-0.001	0.008	0.928	0.001	46.952	TRUE	5.09E-11

FEV1	NPC2	rs75672081	T	C	0.192	0.022	0.034	1.35E-17	-0.001	0.006	0.864	0.002	72.920	TRUE	3.04E-16
FEV1	NPC2	rs76766564	A	C	-0.189	0.025	0.033	3.11E-14	0.008	0.007	0.256	0.002	57.659	TRUE	2.53E-12
FEV1	NPC2	rs79515561	T	C	-0.206	0.019	0.056	3.32E-27	0.015	0.005	0.002	0.004	116.703	TRUE	1.28E-21
FEV1	NPC2	rs8003055	C	A	0.059	0.009	0.276	4.26E-11	0.008	0.003	0.002	0.001	43.489	TRUE	3.32E-08
FEV1	NPC2	rs862036	T	C	0.135	0.008	0.374	8.67E-61	-0.007	0.002	0.003	0.008	270.518	TRUE	6.46E-51
FEV1	OPTN	rs10796020	C	T	0.092	0.008	0.463	3.81E-30	-0.001	0.002	0.836	0.004	130.139	TRUE	9.53E-28
FEV1	OPTN	rs10796043	G	T	0.063	0.011	0.167	4.03E-09	0.003	0.003	0.402	0.001	34.608	TRUE	5.53E-08
FEV1	OPTN	rs10906264	C	T	-0.076	0.014	0.094	2.02E-08	0.002	0.004	0.660	0.001	31.477	TRUE	1.31E-07
FEV1	OPTN	rs10906283	A	C	-0.078	0.014	0.094	8.90E-09	-0.001	0.004	0.780	0.001	33.065	TRUE	4.77E-08
FEV1	OPTN	rs10906316	C	T	0.057	0.008	0.456	3.99E-12	-0.002	0.003	0.513	0.002	48.127	TRUE	7.88E-11
FEV1	OPTN	rs11257655	T	C	0.068	0.010	0.209	2.98E-12	-0.031	0.003	4.54E-27	0.002	48.698	TRUE	1.73E-04
FEV1	OPTN	rs11258186	G	A	0.167	0.025	0.026	2.61E-11	-0.004	0.007	0.557	0.001	44.446	TRUE	3.96E-10
FEV1	OPTN	rs112628075	A	G	0.156	0.018	0.067	1.40E-18	0.004	0.004	0.373	0.002	77.397	TRUE	2.05E-16
FEV1	OPTN	rs113365968	A	G	-0.199	0.023	0.034	2.68E-18	0.002	0.007	0.774	0.002	76.110	TRUE	9.15E-17
FEV1	OPTN	rs11594303	T	C	-0.193	0.023	0.037	1.10E-16	-0.005	0.005	0.298	0.002	68.786	TRUE	1.43E-14
FEV1	OPTN	rs117538644	C	T	-0.235	0.026	0.031	1.17E-19	0.002	0.006	0.797	0.003	82.300	TRUE	4.82E-18
FEV1	OPTN	rs117894790	C	A	0.113	0.019	0.052	3.07E-09	0.006	0.006	0.312	0.001	35.134	TRUE	5.65E-08
FEV1	OPTN	rs12775115	G	A	-0.051	0.009	0.305	4.12E-09	0.002	0.003	0.384	0.001	34.565	TRUE	5.96E-08
FEV1	OPTN	rs17597413	G	A	-0.400	0.016	0.071	8.00E-142	-0.006	0.004	0.188	0.020	642.814	TRUE	5.58E-127
FEV1	OPTN	rs185705950	T	C	-0.428	0.039	0.016	5.06E-28	0.000	0.008	0.966	0.004	120.434	TRUE	5.41E-26
FEV1	OPTN	rs2580901	A	G	0.066	0.008	0.479	7.63E-17	0.007	0.002	0.005	0.002	69.498	TRUE	3.98E-13
FEV1	OPTN	rs35248101	C	A	0.245	0.029	0.023	9.78E-17	0.006	0.008	0.453	0.002	69.008	TRUE	6.64E-15
FEV1	OPTN	rs473278	C	G	-0.130	0.010	0.204	6.84E-39	0.001	0.003	0.704	0.005	170.146	TRUE	1.54E-35
FEV1	OPTN	rs55977440	C	T	-0.230	0.008	0.525	2.58E-187	-0.002	0.002	0.437	0.026	852.010	TRUE	1.28E-169
FEV1	OPTN	rs58505537	A	G	-0.423	0.009	0.270	0.00E+00	-0.007	0.003	0.005	0.070	2400.063	TRUE	0.00E+00
FEV1	OPTN	rs61259411	G	A	0.089	0.011	0.150	2.55E-15	-0.003	0.003	0.375	0.002	62.586	TRUE	1.62E-13
FEV1	OPTN	rs7072752	A	G	0.134	0.009	0.349	9.18E-52	-0.002	0.003	0.412	0.007	229.126	TRUE	1.29E-46
FEV1	OPTN	rs7090451	C	G	-0.065	0.010	0.200	9.17E-11	0.005	0.003	0.134	0.001	41.988	TRUE	5.86E-09
FEV1	OPTN	rs7091832	G	A	0.067	0.009	0.313	9.17E-15	0.001	0.003	0.694	0.002	60.062	TRUE	1.99E-13
FEV1	OPTN	rs78411037	C	G	0.071	0.011	0.152	1.67E-10	-0.001	0.003	0.710	0.001	40.822	TRUE	1.44E-09
FEV1	ORMDL3	rs1009727	A	G	-0.056	0.009	0.305	1.48E-10	-0.003	0.003	0.318	0.001	41.052	TRUE	3.74E-09
FEV1	ORMDL3	rs10305287	C	A	-0.299	0.042	0.016	1.66E-12	-0.002	0.010	0.836	0.002	49.852	TRUE	1.61E-11
FEV1	ORMDL3	rs10305295	G	T	0.184	0.022	0.038	2.93E-17	0.013	0.006	0.027	0.002	71.384	TRUE	5.32E-14
FEV1	ORMDL3	rs11078892	T	C	0.075	0.010	0.473	5.24E-14	0.003	0.003	0.298	0.002	56.634	TRUE	3.40E-12
FEV1	ORMDL3	rs11078916	T	C	0.340	0.009	0.291	0.00E+00	-0.018	0.003	1.37E-11	0.048	1587.200	TRUE	5.48E-287
FEV1	ORMDL3	rs11079074	T	C	-0.088	0.008	0.440	5.23E-28	-0.001	0.002	0.714	0.004	120.368	TRUE	1.49E-25
FEV1	ORMDL3	rs112433793	G	A	0.097	0.013	0.135	1.00E-14	-0.002	0.003	0.589	0.002	59.888	TRUE	2.97E-13
FEV1	ORMDL3	rs113235009	G	T	-0.097	0.015	0.076	1.23E-10	-0.001	0.004	0.898	0.001	41.412	TRUE	7.45E-10
FEV1	ORMDL3	rs113557550	T	C	0.143	0.019	0.050	1.16E-13	-0.007	0.006	0.232	0.002	55.065	TRUE	9.18E-12
FEV1	ORMDL3	rs113930796	C	T	0.428	0.025	0.030	3.00E-64	-0.001	0.007	0.888	0.009	286.397	TRUE	3.13E-59
FEV1	ORMDL3	rs11652139	G	A	-0.353	0.008	0.403	0.00E+00	0.005	0.004	0.185	0.059	1979.006	TRUE	0.00E+00
FEV1	ORMDL3	rs117270499	G	A	-0.468	0.030	0.024	2.91E-54	0.002	0.006	0.755	0.008	240.582	TRUE	9.55E-50

FEV1	ORMDL3	rs117302117	T	C	-0.192	0.034	0.017	1.72E-08	-0.012	0.008	0.123	0.001	31.783	TRUE	5.56E-07
FEV1	ORMDL3	rs117362920	C	A	0.404	0.030	0.023	1.89E-41	-0.025	0.006	2.14E-05	0.006	181.860	TRUE	3.21E-32
FEV1	ORMDL3	rs117504211	C	A	-0.391	0.017	0.068	6.33E-114	0.005	0.004	0.223	0.016	514.569	TRUE	5.13E-102
FEV1	ORMDL3	rs117620922	G	A	0.278	0.029	0.026	6.60E-22	0.001	0.009	0.944	0.003	92.535	TRUE	2.55E-20
FEV1	ORMDL3	rs118017471	A	G	0.492	0.032	0.021	8.81E-53	-0.024	0.007	7.24E-04	0.007	233.793	TRUE	3.32E-43
FEV1	ORMDL3	rs118034841	T	C	-0.689	0.034	0.021	2.61E-91	0.017	0.007	0.014	0.013	410.652	TRUE	8.51E-79
FEV1	ORMDL3	rs118036166	G	A	0.399	0.034	0.018	1.47E-31	0.002	0.009	0.793	0.004	136.600	TRUE	5.72E-29
FEV1	ORMDL3	rs118082529	T	C	0.275	0.050	0.016	4.88E-08	-0.014	0.011	0.225	0.001	29.764	TRUE	8.55E-07
FEV1	ORMDL3	rs118132312	G	A	-0.417	0.044	0.016	3.41E-21	0.006	0.008	0.470	0.003	89.286	TRUE	5.94E-19
FEV1	ORMDL3	rs11868060	G	A	-0.379	0.029	0.027	1.77E-38	0.001	0.006	0.924	0.005	168.252	TRUE	1.44E-35
FEV1	ORMDL3	rs11871317	G	C	-0.237	0.010	0.243	1.21E-120	0.010	0.003	1.10E-04	0.017	545.451	TRUE	2.33E-101
FEV1	ORMDL3	rs12450388	C	T	-0.064	0.009	0.426	1.81E-13	0.002	0.002	0.430	0.002	54.193	TRUE	6.43E-12
FEV1	ORMDL3	rs12946162	T	C	-0.093	0.012	0.133	9.01E-14	0.003	0.003	0.391	0.002	55.567	TRUE	3.85E-12
FEV1	ORMDL3	rs12946335	T	C	-0.672	0.031	0.019	3.98E-101	-0.001	0.009	0.933	0.014	455.752	TRUE	3.34E-93
FEV1	ORMDL3	rs138914307	T	C	0.277	0.044	0.015	2.79E-10	-0.009	0.010	0.335	0.001	39.816	TRUE	6.24E-09
FEV1	ORMDL3	rs142899349	C	T	-1.010	0.058	0.019	2.53E-67	-0.011	0.016	0.478	0.009	300.512	TRUE	6.11E-61
FEV1	ORMDL3	rs143669790	A	G	0.481	0.031	0.027	9.23E-54	-0.002	0.009	0.853	0.007	238.286	TRUE	1.73E-49
FEV1	ORMDL3	rs143700374	T	G	-0.406	0.064	0.013	2.16E-10	0.015	0.010	0.136	0.001	40.315	TRUE	1.16E-08
FEV1	ORMDL3	rs143706978	C	T	0.437	0.038	0.016	1.18E-30	-0.015	0.009	0.074	0.004	132.467	TRUE	3.43E-26
FEV1	ORMDL3	rs1467258	G	A	-0.177	0.012	0.134	3.53E-50	0.007	0.003	0.028	0.007	221.859	TRUE	6.70E-43
FEV1	ORMDL3	rs146767035	A	G	-0.385	0.028	0.028	2.37E-44	0.011	0.007	0.135	0.006	195.153	TRUE	8.16E-39
FEV1	ORMDL3	rs146890554	T	C	0.354	0.039	0.015	3.09E-19	0.006	0.010	0.527	0.003	80.374	TRUE	2.78E-17
FEV1	ORMDL3	rs147879892	T	C	0.255	0.042	0.013	9.91E-10	-0.004	0.009	0.680	0.001	37.339	TRUE	8.01E-09
FEV1	ORMDL3	rs148116769	T	G	-0.390	0.049	0.021	2.29E-15	-0.008	0.009	0.370	0.002	62.799	TRUE	1.55E-13
FEV1	ORMDL3	rs150597587	C	T	-0.435	0.020	0.049	5.81E-102	0.005	0.005	0.313	0.014	459.595	TRUE	9.30E-92
FEV1	ORMDL3	rs1558284	G	T	0.097	0.015	0.077	2.04E-10	0.003	0.004	0.482	0.001	40.422	TRUE	3.03E-09
FEV1	ORMDL3	rs16537	T	C	-0.148	0.014	0.126	5.38E-25	-0.004	0.003	0.185	0.003	106.620	TRUE	1.07E-21
FEV1	ORMDL3	rs186413878	C	T	-0.674	0.097	0.021	3.42E-12	-0.009	0.017	0.602	0.002	48.430	TRUE	5.54E-11
FEV1	ORMDL3	rs192665233	A	C	0.429	0.020	0.047	7.64E-103	0.003	0.006	0.687	0.014	463.641	TRUE	5.56E-94
FEV1	ORMDL3	rs2071427	T	C	0.098	0.010	0.257	1.19E-23	-0.001	0.003	0.849	0.003	100.478	TRUE	8.66E-22
FEV1	ORMDL3	rs2301775	G	A	-0.167	0.013	0.127	2.39E-39	-0.005	0.004	0.176	0.005	172.235	TRUE	1.48E-34
FEV1	ORMDL3	rs2338582	T	C	0.070	0.011	0.179	1.52E-10	0.005	0.003	0.135	0.001	41.006	TRUE	8.59E-09
FEV1	ORMDL3	rs34585058	A	G	-0.088	0.016	0.097	2.39E-08	-0.006	0.004	0.126	0.001	31.146	TRUE	7.00E-07
FEV1	ORMDL3	rs35797841	T	C	0.412	0.019	0.049	2.30E-102	0.000	0.006	0.979	0.014	461.439	TRUE	1.87E-94
FEV1	ORMDL3	rs3764354	T	C	-0.768	0.011	0.128	0.00E+00	0.009	0.003	0.005	0.129	4685.811	TRUE	0.00E+00
FEV1	ORMDL3	rs4795372	C	T	0.151	0.027	0.051	1.56E-08	0.001	0.010	0.937	0.001	31.979	TRUE	5.93E-08
FEV1	ORMDL3	rs482284	A	G	-0.102	0.009	0.287	2.51E-30	-0.002	0.003	0.409	0.004	130.960	TRUE	4.25E-27
FEV1	ORMDL3	rs506728	C	G	-0.105	0.010	0.200	5.57E-26	-0.001	0.003	0.653	0.003	111.113	TRUE	1.31E-23
FEV1	ORMDL3	rs55957019	G	A	0.458	0.018	0.050	2.10E-137	0.008	0.005	0.097	0.019	622.493	TRUE	5.28E-122
FEV1	ORMDL3	rs580506	A	G	-0.160	0.015	0.076	2.51E-25	0.000	0.004	0.921	0.003	108.127	TRUE	1.89E-23
FEV1	ORMDL3	rs62065218	T	C	0.352	0.048	0.017	1.69E-13	-0.004	0.010	0.671	0.002	54.331	TRUE	2.98E-12
FEV1	ORMDL3	rs62077536	T	C	-0.369	0.032	0.020	3.45E-30	-0.008	0.010	0.402	0.004	130.331	TRUE	5.58E-27

FEV1	ORMDL3	rs658542	T	C	-0.152	0.011	0.153	5.74E-43	0.006	0.003	0.076	0.006	188.815	TRUE	4.40E-37
FEV1	ORMDL3	rs7217240	T	C	0.486	0.010	0.198	0.00E+00	0.001	0.003	0.810	0.074	2532.299	TRUE	0.00E+00
FEV1	ORMDL3	rs72819670	G	A	-0.323	0.036	0.017	1.47E-19	0.001	0.008	0.920	0.003	81.847	TRUE	4.10E-18
FEV1	ORMDL3	rs72819672	A	G	-0.208	0.018	0.052	2.20E-29	0.002	0.005	0.691	0.004	126.658	TRUE	8.49E-27
FEV1	ORMDL3	rs72823325	G	C	0.082	0.009	0.274	1.68E-18	-0.001	0.003	0.644	0.002	77.031	TRUE	8.79E-17
FEV1	ORMDL3	rs72825152	T	C	-0.459	0.054	0.013	1.41E-17	0.027	0.012	0.019	0.002	72.825	TRUE	3.53E-14
FEV1	ORMDL3	rs72825191	A	G	0.322	0.047	0.020	6.61E-12	-0.013	0.008	0.117	0.001	47.136	TRUE	6.47E-10
FEV1	ORMDL3	rs72825201	C	A	-0.285	0.017	0.065	1.28E-63	0.019	0.005	8.44E-05	0.009	283.514	TRUE	1.35E-51
FEV1	ORMDL3	rs72832915	A	G	-0.340	0.009	0.311	0.00E+00	0.005	0.003	0.046	0.044	1455.578	TRUE	1.59E-282
FEV1	ORMDL3	rs72832993	A	C	0.346	0.017	0.070	2.45E-94	-0.012	0.005	0.007	0.013	424.555	TRUE	5.25E-81
FEV1	ORMDL3	rs72834789	C	T	0.204	0.012	0.129	4.37E-67	0.003	0.003	0.459	0.009	299.416	TRUE	1.14E-60
FEV1	ORMDL3	rs72836603	A	C	-0.402	0.033	0.020	1.08E-34	-0.001	0.007	0.873	0.005	150.927	TRUE	5.41E-32
FEV1	ORMDL3	rs72836619	T	G	-0.340	0.023	0.037	7.54E-50	-0.003	0.006	0.631	0.007	220.348	TRUE	2.02E-45
FEV1	ORMDL3	rs74767487	A	G	0.279	0.016	0.079	4.75E-68	-0.009	0.004	0.044	0.009	303.842	TRUE	4.24E-59
FEV1	ORMDL3	rs75646943	T	C	-0.352	0.028	0.026	6.05E-37	0.019	0.008	0.019	0.005	161.234	TRUE	5.24E-31
FEV1	ORMDL3	rs757319	G	C	0.212	0.021	0.036	6.38E-23	0.004	0.006	0.502	0.003	97.158	TRUE	1.43E-20
FEV1	ORMDL3	rs75905358	C	G	0.245	0.010	0.210	1.61E-140	0.002	0.003	0.430	0.020	636.827	TRUE	2.91E-127
FEV1	ORMDL3	rs76555104	A	G	-0.740	0.036	0.017	1.35E-92	-0.003	0.008	0.675	0.013	416.558	TRUE	1.30E-84
FEV1	ORMDL3	rs77107066	T	C	-0.095	0.013	0.131	5.16E-14	-0.002	0.003	0.540	0.002	56.664	TRUE	1.44E-12
FEV1	ORMDL3	rs77812225	A	G	-0.197	0.030	0.020	8.27E-11	0.005	0.008	0.579	0.001	42.190	TRUE	1.05E-09
FEV1	ORMDL3	rs78581969	T	C	0.104	0.014	0.087	2.78E-13	0.004	0.004	0.315	0.002	53.354	TRUE	1.40E-11
FEV1	ORMDL3	rs78736194	A	C	0.117	0.021	0.047	1.61E-08	0.005	0.005	0.400	0.001	31.909	TRUE	1.92E-07
FEV1	ORMDL3	rs79010101	T	C	0.210	0.019	0.049	4.48E-28	-0.001	0.005	0.912	0.004	120.677	TRUE	5.94E-26
FEV1	ORMDL3	rs79730542	C	T	-0.249	0.029	0.023	4.09E-18	-0.011	0.007	0.117	0.002	75.272	TRUE	2.33E-15
FEV1	ORMDL3	rs8065040	G	A	0.063	0.008	0.449	2.21E-15	0.005	0.002	0.052	0.002	62.862	TRUE	1.36E-12
FEV1	ORMDL3	rs8075931	T	C	-0.245	0.038	0.016	1.11E-10	-0.009	0.009	0.321	0.001	41.610	TRUE	2.85E-09
FEV1	ORMDL3	rs9914748	G	A	-0.048	0.008	0.388	3.55E-09	0.004	0.002	0.128	0.001	34.855	TRUE	1.41E-07
FEV1	PADI4	rs10888017	T	C	0.080	0.009	0.264	1.11E-18	-0.004	0.003	0.169	0.002	77.844	TRUE	4.73E-16
FEV1	PADI4	rs113371046	A	G	-0.680	0.018	0.052	0.00E+00	0.010	0.005	0.040	0.045	1478.786	TRUE	1.42E-286
FEV1	PADI4	rs114254865	A	G	-0.336	0.031	0.022	3.18E-27	0.005	0.007	0.483	0.004	116.793	TRUE	1.84E-24
FEV1	PADI4	rs115508194	T	C	-0.375	0.032	0.020	5.85E-31	-0.003	0.011	0.784	0.004	133.856	TRUE	2.07E-28
FEV1	PADI4	rs115528420	C	T	0.218	0.039	0.019	2.83E-08	0.011	0.008	0.185	0.001	30.818	TRUE	6.34E-07
FEV1	PADI4	rs1204891	A	G	0.062	0.010	0.203	3.74E-10	0.000	0.003	0.958	0.001	39.240	TRUE	1.86E-09
FEV1	PADI4	rs1204898	T	C	0.097	0.010	0.250	4.38E-23	0.001	0.003	0.778	0.003	97.905	TRUE	3.65E-21
FEV1	PADI4	rs12405271	A	C	0.068	0.010	0.226	6.98E-13	0.004	0.003	0.192	0.002	51.546	TRUE	5.45E-11
FEV1	PADI4	rs12746451	T	C	-0.324	0.016	0.066	8.78E-91	-0.001	0.005	0.783	0.013	408.233	TRUE	2.95E-83
FEV1	PADI4	rs138993831	A	G	0.594	0.041	0.017	3.07E-48	0.020	0.010	0.047	0.007	212.972	TRUE	1.72E-41
FEV1	PADI4	rs141441756	T	C	-0.387	0.056	0.012	3.55E-12	0.002	0.011	0.827	0.002	48.358	TRUE	3.30E-11
FEV1	PADI4	rs150138789	A	G	0.114	0.018	0.059	1.94E-10	-0.002	0.005	0.720	0.001	40.521	TRUE	1.68E-09
FEV1	PADI4	rs151328523	C	T	-0.144	0.025	0.031	4.86E-09	0.008	0.007	0.288	0.001	34.244	TRUE	9.15E-08
FEV1	PADI4	rs1748020	T	C	0.299	0.017	0.056	1.59E-66	-0.007	0.005	0.146	0.009	296.849	TRUE	8.75E-59
FEV1	PADI4	rs192381829	T	C	-0.526	0.035	0.017	1.44E-51	0.004	0.009	0.654	0.007	228.232	TRUE	4.89E-47

FEV1	PADI4	rs2477145	T	C	0.140	0.020	0.047	3.82E-12	0.001	0.005	0.910	0.002	48.211	TRUE	2.90E-11
FEV1	PADI4	rs2977238	A	G	-0.150	0.008	0.433	6.14E-79	0.004	0.002	0.078	0.011	353.831	TRUE	2.04E-69
FEV1	PADI4	rs2977290	A	G	0.104	0.011	0.174	1.40E-21	-0.003	0.003	0.429	0.003	91.052	TRUE	3.22E-19
FEV1	PADI4	rs3003432	G	A	-0.300	0.008	0.417	0.00E+00	0.003	0.002	0.271	0.043	1432.741	TRUE	7.98E-282
FEV1	PADI4	rs3003434	G	A	-0.128	0.010	0.222	5.06E-41	0.001	0.003	0.715	0.006	179.904	TRUE	1.59E-37
FEV1	PADI4	rs3850724	T	C	-0.060	0.011	0.172	1.21E-08	-0.004	0.003	0.226	0.001	32.467	TRUE	2.58E-07
FEV1	PADI4	rs41266003	T	C	-0.188	0.010	0.200	3.27E-80	0.002	0.003	0.422	0.011	359.678	TRUE	1.98E-72
FEV1	PADI4	rs6683201	T	C	0.055	0.009	0.314	1.57E-10	-0.007	0.003	0.005	0.001	40.937	TRUE	6.70E-08
FEV1	PADI4	rs6690363	T	C	0.086	0.014	0.099	1.58E-09	0.007	0.004	0.074	0.001	36.426	TRUE	1.02E-07
FEV1	PADI4	rs71644033	C	T	0.124	0.016	0.077	1.12E-14	0.002	0.004	0.718	0.002	59.663	TRUE	2.23E-13
FEV1	PADI4	rs72646746	T	C	-0.301	0.022	0.036	2.96E-42	-0.002	0.007	0.826	0.006	185.553	TRUE	7.18E-39
FEV1	PADI4	rs7418084	A	G	0.104	0.015	0.077	9.79E-12	-0.005	0.004	0.237	0.001	46.367	TRUE	4.65E-10
FEV1	PADI4	rs7512044	A	G	-0.225	0.013	0.115	7.80E-70	0.001	0.004	0.841	0.010	312.033	TRUE	3.11E-64
FEV1	PADI4	rs7546867	A	G	-0.101	0.011	0.148	8.69E-19	0.003	0.003	0.405	0.002	78.332	TRUE	1.14E-16
FEV1	PADI4	rs78941457	A	C	0.096	0.016	0.069	2.58E-09	-0.003	0.004	0.419	0.001	35.474	TRUE	3.53E-08
FEV1	PARK7	rs113612855	G	A	0.433	0.030	0.022	7.35E-46	-0.002	0.007	0.743	0.006	202.064	TRUE	5.28E-42
FEV1	PARK7	rs12138839	G	T	0.085	0.009	0.320	1.99E-23	-0.004	0.003	0.149	0.003	99.462	TRUE	3.42E-20
FEV1	PARK7	rs12758337	T	C	-0.207	0.008	0.364	1.15E-141	0.006	0.002	0.014	0.020	642.083	TRUE	1.77E-123
FEV1	PARK7	rs138202776	A	C	0.264	0.033	0.019	1.06E-15	-0.002	0.008	0.809	0.002	64.319	TRUE	1.97E-14
FEV1	PARK7	rs139347174	T	G	0.348	0.047	0.020	2.34E-13	0.000	0.009	0.995	0.002	53.696	TRUE	1.80E-12
FEV1	PARK7	rs150442886	C	T	-0.131	0.021	0.040	1.81E-10	-0.004	0.006	0.451	0.001	40.664	TRUE	3.00E-09
FEV1	PARK7	rs161805	G	A	-0.217	0.025	0.029	4.83E-18	0.002	0.009	0.803	0.002	74.946	TRUE	1.44E-16
FEV1	PARK7	rs17523802	A	G	0.406	0.011	0.176	0.00E+00	-0.010	0.003	8.71E-04	0.044	1445.145	TRUE	6.03E-275
FEV1	PARK7	rs2004255	T	C	-0.053	0.008	0.365	2.53E-10	-0.003	0.003	0.258	0.001	40.003	TRUE	7.31E-09
FEV1	PARK7	rs2051645	A	G	-0.055	0.009	0.293	2.48E-10	0.002	0.003	0.410	0.001	40.041	TRUE	4.33E-09
FEV1	PARK7	rs2066980	G	A	-0.072	0.008	0.356	4.78E-18	0.003	0.002	0.275	0.002	74.966	TRUE	1.00E-15
FEV1	PARK7	rs227160	G	A	-0.126	0.008	0.444	7.50E-56	0.001	0.002	0.674	0.008	247.870	TRUE	5.63E-51
FEV1	PARK7	rs2791322	T	C	-0.056	0.010	0.212	9.08E-09	0.006	0.003	0.040	0.001	33.026	TRUE	6.68E-07
FEV1	PARK7	rs3124801	T	G	-0.071	0.008	0.391	1.93E-18	0.004	0.002	0.084	0.002	76.757	TRUE	1.62E-15
FEV1	PARK7	rs34216262	T	C	-0.200	0.032	0.021	2.36E-10	0.007	0.007	0.318	0.001	40.145	TRUE	5.65E-09
FEV1	PARK7	rs34781518	T	C	-0.267	0.041	0.014	8.98E-11	0.014	0.011	0.189	0.001	42.029	TRUE	4.01E-09
FEV1	PARK7	rs4317829	C	T	-0.051	0.009	0.471	2.42E-08	0.005	0.002	0.051	0.001	31.119	TRUE	1.38E-06
FEV1	PARK7	rs4908685	A	C	0.203	0.024	0.034	5.80E-17	-0.014	0.006	0.018	0.002	70.039	TRUE	1.25E-13
FEV1	PARK7	rs57892796	T	C	-0.060	0.010	0.233	2.51E-10	0.002	0.003	0.407	0.001	40.021	TRUE	4.47E-09
FEV1	PARK7	rs6684694	G	T	-0.065	0.008	0.391	1.29E-15	0.000	0.002	0.983	0.002	63.932	TRUE	1.42E-14
FEV1	PARK7	rs6703670	A	G	-0.225	0.019	0.048	2.37E-33	0.007	0.005	0.170	0.005	144.798	TRUE	3.93E-29
FEV1	PARK7	rs697685	A	G	0.101	0.008	0.334	7.59E-33	-0.004	0.003	0.102	0.004	142.484	TRUE	2.24E-28
FEV1	PARK7	rs71639217	A	G	0.238	0.016	0.079	1.30E-48	0.000	0.004	0.975	0.007	214.679	TRUE	4.92E-45
FEV1	PARK7	rs7518209	C	T	-0.108	0.012	0.123	3.55E-19	0.000	0.004	0.956	0.003	80.098	TRUE	8.26E-18
FEV1	PARK7	rs75766272	T	C	-0.174	0.029	0.025	1.92E-09	0.012	0.008	0.120	0.001	36.055	TRUE	8.32E-08
FEV1	PARK7	rs76648881	C	T	-0.135	0.024	0.031	2.32E-08	0.012	0.007	0.107	0.001	31.202	TRUE	7.89E-07
FEV1	PARK7	rs9434617	C	T	-0.050	0.009	0.360	6.31E-09	0.003	0.003	0.333	0.001	33.735	TRUE	9.85E-08

FEV1	PEBP1	rs11613092	T	C	-0.131	0.023	0.070	1.99E-08	0.004	0.004	0.426	0.001	31.502	TRUE	2.14E-07
FEV1	PEBP1	rs117105414	A	G	0.287	0.027	0.048	1.49E-25	-0.005	0.005	0.392	0.003	109.158	TRUE	9.18E-23
FEV1	PEBP1	rs117546206	G	A	0.468	0.057	0.016	1.99E-16	0.003	0.009	0.706	0.002	67.607	TRUE	5.70E-15
FEV1	PEBP1	rs12824153	C	A	-0.206	0.024	0.064	2.89E-17	-0.005	0.005	0.301	0.002	71.415	TRUE	4.19E-15
FEV1	PEBP1	rs148380960	A	C	0.323	0.052	0.021	5.28E-10	-0.001	0.009	0.889	0.001	38.569	TRUE	2.87E-09
FEV1	PEBP1	rs151311841	T	C	-0.321	0.037	0.033	3.04E-18	-0.018	0.006	0.006	0.002	75.856	TRUE	2.18E-14
FEV1	PEBP1	rs17441179	T	C	-0.200	0.019	0.105	2.85E-25	0.000	0.004	0.956	0.003	107.879	TRUE	1.89E-23
FEV1	PEBP1	rs2893771	T	C	0.214	0.019	0.114	8.69E-31	0.007	0.004	0.066	0.004	133.070	TRUE	3.20E-26
FEV1	PEBP1	rs34026283	T	C	0.117	0.012	0.368	1.40E-21	-0.001	0.003	0.750	0.003	91.044	TRUE	9.28E-20
FEV1	PEBP1	rs551546	C	T	0.245	0.026	0.056	1.82E-21	0.000	0.005	0.980	0.003	90.529	TRUE	5.75E-20
FEV1	PEBP1	rs696345	G	C	-0.228	0.027	0.053	2.54E-17	0.008	0.005	0.115	0.002	71.669	TRUE	1.19E-14
FEV1	PEBP1	rs75514589	T	C	-0.467	0.070	0.019	2.69E-11	-0.001	0.011	0.920	0.001	44.385	TRUE	1.73E-10
FEV1	PEBP1	rs75631377	A	G	0.144	0.024	0.065	2.03E-09	0.004	0.005	0.397	0.001	35.943	TRUE	3.05E-08
FEV1	PEBP1	rs75865934	G	A	0.352	0.031	0.049	8.20E-31	0.009	0.006	0.120	0.004	133.186	TRUE	1.23E-26
FEV1	PEBP1	rs76148053	A	G	-0.302	0.031	0.038	9.94E-23	-0.011	0.006	0.056	0.003	96.281	TRUE	4.34E-19
FEV1	PEBP1	rs77533092	T	C	-0.254	0.026	0.056	5.46E-23	-0.003	0.006	0.595	0.003	97.466	TRUE	8.31E-21
FEV1	PEBP1	rs78708372	T	C	-0.128	0.021	0.095	1.16E-09	0.002	0.004	0.528	0.001	37.035	TRUE	1.27E-08
FEV1	PEBP1	rs79135964	G	A	0.289	0.042	0.027	1.11E-11	-0.001	0.007	0.911	0.001	46.128	TRUE	7.69E-11
FEV1	PEBP1	rs795482	A	G	0.417	0.011	0.484	5.43E-297	0.005	0.002	0.021	0.041	1356.592	TRUE	7.09E-262
FEV1	PEBP1	rs7975007	T	C	0.399	0.057	0.016	1.77E-12	0.001	0.009	0.904	0.002	49.722	TRUE	1.43E-11
FEV1	PHLDA3	rs10920203	A	G	0.326	0.024	0.031	3.71E-41	0.018	0.007	0.017	0.006	180.520	TRUE	1.32E-34
FEV1	PHLDA3	rs6427902	G	A	0.045	0.008	0.450	2.82E-08	0.000	0.002	0.916	0.001	30.827	TRUE	1.10E-07
FEV1	PIK3R1	rs11739183	C	G	-0.057	0.009	0.310	3.52E-11	0.005	0.003	0.041	0.001	43.859	TRUE	5.84E-09
FEV1	PIK3R1	rs1974781	A	T	-0.061	0.009	0.283	1.48E-11	-0.003	0.003	0.292	0.001	45.562	TRUE	5.47E-10
FEV1	PIK3R1	rs2888227	C	T	0.059	0.008	0.393	5.62E-13	0.003	0.002	0.262	0.002	51.972	TRUE	3.29E-11
FEV1	PIK3R1	rs34287	A	G	-0.097	0.008	0.373	1.50E-32	-0.001	0.003	0.748	0.004	141.130	TRUE	8.28E-30
FEV1	PIK3R1	rs4976156	G	A	0.150	0.010	0.214	2.04E-54	0.006	0.003	0.032	0.008	241.297	TRUE	9.95E-47
FEV1	PIK3R1	rs62357310	T	C	-0.189	0.027	0.023	6.63E-12	-0.008	0.007	0.253	0.001	47.131	TRUE	2.99E-10
FEV1	PIK3R1	rs75783050	G	A	0.146	0.023	0.037	9.83E-11	-0.003	0.006	0.632	0.001	41.853	TRUE	1.07E-09
FEV1	PIK3R1	rs77315565	T	C	-0.102	0.016	0.076	6.10E-11	-0.009	0.005	0.067	0.001	42.784	TRUE	6.86E-09
FEV1	PIP4K2C	rs11172192	C	T	0.068	0.012	0.131	1.81E-08	-0.012	0.004	0.001	0.001	31.688	TRUE	5.69E-06
FEV1	PIP4K2C	rs112067870	A	G	0.157	0.022	0.038	3.71E-13	0.006	0.006	0.323	0.002	52.789	TRUE	1.75E-11
FEV1	PIP4K2C	rs144791624	G	A	-0.211	0.030	0.023	2.29E-12	0.009	0.010	0.357	0.002	49.213	TRUE	8.03E-11
FEV1	PIP4K2C	rs33927108	C	T	-0.094	0.016	0.070	9.84E-09	0.006	0.005	0.205	0.001	32.870	TRUE	2.23E-07
FEV1	PIP4K2C	rs473465	A	G	-0.055	0.009	0.254	2.17E-09	0.004	0.003	0.102	0.001	35.813	TRUE	1.05E-07
FEV1	PIP4K2C	rs4760335	C	T	-0.057	0.008	0.332	1.50E-11	0.006	0.003	0.022	0.001	45.530	TRUE	4.20E-09
FEV1	PIP4K2C	rs7313599	G	A	0.122	0.008	0.412	7.13E-52	-0.006	0.002	0.009	0.007	229.630	TRUE	9.70E-44
FEV1	PLA2G15	rs190722494	A	G	0.282	0.041	0.024	8.89E-12	0.017	0.019	0.375	0.001	46.556	TRUE	2.51E-10
FEV1	PLA2G15	rs7672	C	G	0.089	0.009	0.296	1.24E-23	0.006	0.003	0.021	0.003	100.406	TRUE	1.96E-19
FEV1	PLA2G15	rs9888986	A	G	-0.100	0.013	0.113	1.78E-15	-0.002	0.004	0.592	0.002	63.290	TRUE	5.93E-14
FEV1	PLAGL2	rs1205843	T	G	0.147	0.012	0.133	2.13E-35	0.012	0.003	3.83E-04	0.005	154.156	TRUE	4.47E-28
FEV1	PLAGL2	rs296471	T	C	0.074	0.013	0.116	3.79E-09	0.006	0.004	0.088	0.001	34.725	TRUE	1.86E-07

FEV1	PLAGL2	rs67028492	C	T	-0.079	0.012	0.138	7.75E-11	-0.015	0.003	1.42E-05	0.001	42.318	TRUE	3.97E-07
FEV1	PLAGL2	rs76892796	G	A	-0.312	0.041	0.016	4.59E-14	0.000	0.009	0.982	0.002	56.893	TRUE	4.09E-13
FEV1	PTEN	rs2785080	G	C	0.115	0.017	0.234	4.39E-11	0.006	0.003	0.022	0.001	43.431	TRUE	1.06E-08
FEV1	PTEN	rs4933470	A	C	-0.093	0.015	0.358	1.65E-09	-0.005	0.003	0.060	0.001	36.349	TRUE	1.13E-07
FEV1	PTEN	rs6586116	T	C	-0.106	0.016	0.297	5.05E-11	-0.006	0.003	0.034	0.001	43.155	TRUE	9.54E-09
FEV1	RHEB	rs2284264	C	T	0.106	0.012	0.509	2.52E-19	0.008	0.002	6.35E-04	0.003	80.779	TRUE	1.30E-14
FEV1	RHOT1	rs1039402	T	C	-0.068	0.012	0.129	9.24E-09	-0.002	0.003	0.507	0.001	32.994	TRUE	9.04E-08
FEV1	RHOT1	rs112029880	A	G	-0.091	0.010	0.202	4.15E-19	0.004	0.003	0.238	0.003	79.791	TRUE	1.36E-16
FEV1	RHOT1	rs11650026	A	C	0.174	0.017	0.075	3.77E-24	0.001	0.004	0.827	0.003	102.760	TRUE	3.29E-22
FEV1	RHOT1	rs11654800	T	C	0.111	0.008	0.425	1.43E-40	0.004	0.003	0.111	0.006	177.842	TRUE	2.53E-35
FEV1	RHOT1	rs118105946	G	A	0.146	0.020	0.048	3.02E-13	-0.003	0.005	0.574	0.002	53.193	TRUE	6.70E-12
FEV1	RHOT1	rs12944565	A	G	-0.166	0.009	0.312	8.68E-85	0.005	0.003	0.031	0.012	380.696	TRUE	1.09E-73
FEV1	RHOT1	rs141988744	C	T	-0.311	0.049	0.017	3.01E-10	0.002	0.013	0.900	0.001	39.668	TRUE	1.66E-09
FEV1	RHOT1	rs144382041	A	G	-0.384	0.039	0.016	1.95E-23	0.010	0.010	0.335	0.003	99.510	TRUE	9.92E-21
FEV1	RHOT1	rs147933234	T	C	-0.325	0.027	0.027	1.49E-32	0.014	0.008	0.077	0.004	141.149	TRUE	6.50E-28
FEV1	RHOT1	rs147960200	T	C	0.202	0.032	0.018	2.40E-10	-0.001	0.008	0.887	0.001	40.104	TRUE	1.39E-09
FEV1	RHOT1	rs149254344	G	C	-0.162	0.024	0.037	1.06E-11	0.003	0.006	0.600	0.001	46.205	TRUE	1.56E-10
FEV1	RHOT1	rs167298	A	G	-0.112	0.009	0.440	3.45E-38	0.002	0.002	0.485	0.005	166.926	TRUE	2.05E-34
FEV1	RHOT1	rs2905171	C	T	0.053	0.009	0.281	3.33E-09	0.006	0.003	0.019	0.001	34.980	TRUE	4.27E-07
FEV1	RHOT1	rs425309	T	C	-0.102	0.019	0.052	3.91E-08	0.004	0.005	0.410	0.001	30.193	TRUE	4.08E-07
FEV1	RHOT1	rs450735	T	C	-0.059	0.009	0.254	1.15E-10	0.000	0.003	0.883	0.001	41.551	TRUE	7.12E-10
FEV1	RHOT1	rs4795702	G	A	-0.070	0.009	0.269	1.13E-14	0.000	0.003	0.883	0.002	59.653	TRUE	1.46E-13
FEV1	RHOT1	rs55861514	T	C	-0.133	0.022	0.035	3.00E-09	-0.002	0.006	0.812	0.001	35.181	TRUE	1.68E-08
FEV1	RHOT1	rs62062229	C	T	0.070	0.009	0.256	3.46E-14	0.003	0.003	0.218	0.002	57.453	TRUE	3.33E-12
FEV1	RHOT1	rs62062440	C	T	0.186	0.014	0.116	3.62E-41	0.001	0.004	0.873	0.006	180.569	TRUE	6.12E-38
FEV1	RHOT1	rs6505264	A	G	-0.442	0.037	0.017	2.01E-33	0.016	0.009	0.073	0.005	145.121	TRUE	1.21E-28
FEV1	RHOT1	rs72825779	C	T	0.180	0.024	0.035	2.24E-14	0.011	0.006	0.044	0.002	58.308	TRUE	1.04E-11
FEV1	RHOT1	rs739799	T	C	-0.418	0.042	0.016	6.13E-23	0.027	0.009	0.004	0.003	97.237	TRUE	2.91E-18
FEV1	RHOT1	rs79573699	T	C	-0.209	0.023	0.034	1.37E-19	0.001	0.008	0.923	0.003	81.984	TRUE	3.76E-18
FEV1	RHOT1	rs9902817	T	C	0.078	0.013	0.099	4.49E-09	0.003	0.004	0.453	0.001	34.396	TRUE	5.40E-08
FEV1	RHOT1	rs9909295	C	T	-0.390	0.010	0.173	0.00E+00	0.015	0.003	2.56E-06	0.044	1442.611	TRUE	1.40E-268
FEV1	ROCK1	rs142716063	A	G	0.429	0.046	0.014	1.80E-20	0.018	0.009	0.035	0.003	85.998	TRUE	6.86E-17
FEV1	ROCK1	rs1481280	A	C	-0.049	0.008	0.407	1.49E-09	0.008	0.002	0.002	0.001	36.542	TRUE	6.65E-07
FEV1	RPS27L	rs113010023	A	G	-0.417	0.074	0.019	2.08E-08	0.024	0.012	0.049	0.001	31.416	TRUE	1.17E-06
FEV1	RPS27L	rs12899931	C	T	-0.158	0.013	0.107	9.64E-35	0.015	0.004	2.21E-04	0.005	151.158	TRUE	2.37E-27
FEV1	RPS27L	rs4984265	A	G	-0.062	0.010	0.210	3.10E-10	0.004	0.003	0.130	0.001	39.609	TRUE	1.64E-08
FEV1	RPS6KB1	rs112911630	A	G	-0.146	0.013	0.143	1.55E-31	0.006	0.003	0.071	0.004	136.488	TRUE	5.60E-27
FEV1	RPS6KB1	rs1292060	G	A	0.101	0.009	0.317	2.60E-32	-0.010	0.003	1.21E-04	0.004	140.039	TRUE	5.66E-25
FEV1	RPS6KB1	rs8079003	G	C	0.083	0.014	0.098	1.15E-09	-0.005	0.004	0.188	0.001	37.045	TRUE	3.71E-08
FEV1	RRAGD	rs1055403	A	G	0.121	0.011	0.158	8.47E-29	0.001	0.003	0.869	0.004	123.981	TRUE	1.42E-26
FEV1	RRAGD	rs10944439	A	T	0.052	0.008	0.376	1.50E-10	-0.002	0.002	0.339	0.001	41.024	TRUE	3.54E-09
FEV1	RRAGD	rs112239906	A	G	0.252	0.025	0.028	7.18E-24	0.003	0.007	0.676	0.003	101.484	TRUE	9.66E-22

FEV1	RRAGD	rs113458269	A	G	0.342	0.025	0.028	5.56E-43	-0.010	0.008	0.203	0.006	188.874	TRUE	6.83E-38
FEV1	RRAGD	rs116977633	G	A	0.127	0.021	0.042	9.63E-10	0.009	0.006	0.116	0.001	37.396	TRUE	4.71E-08
FEV1	RRAGD	rs117173006	C	T	-0.102	0.018	0.054	2.43E-08	-0.003	0.005	0.552	0.001	31.117	TRUE	1.90E-07
FEV1	RRAGD	rs117194085	G	A	0.341	0.050	0.039	1.23E-11	0.004	0.027	0.884	0.001	45.925	TRUE	9.04E-11
FEV1	RRAGD	rs117199467	G	A	-0.337	0.038	0.016	2.60E-19	-0.002	0.010	0.872	0.003	80.714	TRUE	7.93E-18
FEV1	RRAGD	rs117243822	C	T	0.266	0.038	0.014	2.32E-12	-0.008	0.009	0.402	0.002	49.193	TRUE	6.93E-11
FEV1	RRAGD	rs11752357	T	C	-0.092	0.008	0.323	2.84E-27	0.000	0.003	0.985	0.004	117.013	TRUE	2.32E-25
FEV1	RRAGD	rs11759650	T	C	0.097	0.009	0.297	3.46E-29	-0.002	0.003	0.475	0.004	125.759	TRUE	3.22E-26
FEV1	RRAGD	rs118045883	G	A	-0.251	0.038	0.016	4.97E-11	0.019	0.010	0.060	0.001	43.186	TRUE	5.97E-09
FEV1	RRAGD	rs1209055	T	C	0.208	0.011	0.168	1.21E-86	-0.004	0.003	0.201	0.012	389.218	TRUE	2.80E-77
FEV1	RRAGD	rs1217337	C	A	-0.072	0.011	0.164	2.65E-11	-0.005	0.003	0.126	0.001	44.414	TRUE	1.89E-09
FEV1	RRAGD	rs12198870	T	C	0.121	0.015	0.076	7.49E-16	-0.005	0.004	0.258	0.002	64.995	TRUE	9.40E-14
FEV1	RRAGD	rs12206737	G	A	-0.048	0.008	0.391	6.07E-09	-0.001	0.002	0.686	0.001	33.810	TRUE	4.17E-08
FEV1	RRAGD	rs12210841	A	G	0.428	0.033	0.017	7.60E-39	0.001	0.010	0.910	0.005	169.938	TRUE	6.87E-36
FEV1	RRAGD	rs12661122	A	G	-0.143	0.009	0.294	5.16E-61	0.002	0.003	0.406	0.008	271.553	TRUE	5.99E-55
FEV1	RRAGD	rs13209146	A	G	-0.404	0.010	0.181	0.00E+00	-0.001	0.003	0.791	0.048	1602.309	TRUE	0.00E+00
FEV1	RRAGD	rs140777868	T	C	0.425	0.029	0.021	1.66E-47	-0.009	0.008	0.278	0.007	209.604	TRUE	2.77E-42
FEV1	RRAGD	rs140933375	G	A	0.212	0.037	0.015	7.07E-09	-0.009	0.008	0.260	0.001	33.513	TRUE	1.38E-07
FEV1	RRAGD	rs142849372	A	G	0.124	0.022	0.038	1.44E-08	-0.007	0.007	0.330	0.001	32.133	TRUE	2.08E-07
FEV1	RRAGD	rs145877894	T	G	0.458	0.028	0.022	2.77E-58	-0.009	0.008	0.304	0.008	259.033	TRUE	3.86E-52
FEV1	RRAGD	rs149610194	A	G	-0.346	0.029	0.021	3.53E-32	0.021	0.011	0.048	0.004	139.430	TRUE	2.65E-27
FEV1	RRAGD	rs149830477	G	T	0.076	0.011	0.146	1.60E-11	0.006	0.003	0.082	0.001	45.403	TRUE	1.78E-09
FEV1	RRAGD	rs16881113	A	C	0.116	0.015	0.075	1.06E-14	-0.003	0.004	0.578	0.002	59.786	TRUE	3.18E-13
FEV1	RRAGD	rs16881774	C	T	-0.199	0.010	0.194	4.46E-88	0.006	0.003	0.027	0.012	395.804	TRUE	1.61E-76
FEV1	RRAGD	rs16882205	T	C	-0.153	0.021	0.040	1.93E-13	0.004	0.006	0.488	0.002	54.075	TRUE	5.66E-12
FEV1	RRAGD	rs17741627	A	G	-0.196	0.013	0.100	1.00E-48	0.000	0.004	0.909	0.007	215.200	TRUE	5.24E-45
FEV1	RRAGD	rs186683559	T	C	0.154	0.024	0.032	1.52E-10	-0.006	0.007	0.344	0.001	40.996	TRUE	3.56E-09
FEV1	RRAGD	rs1923418	C	A	0.053	0.009	0.508	6.18E-10	0.004	0.002	0.082	0.001	38.262	TRUE	4.50E-08
FEV1	RRAGD	rs1998576	A	G	0.421	0.010	0.191	0.00E+00	-0.007	0.003	0.025	0.055	1837.776	TRUE	0.00E+00
FEV1	RRAGD	rs2038338	A	G	-0.206	0.008	0.344	2.23E-136	0.000	0.003	0.928	0.019	617.781	TRUE	1.76E-125
FEV1	RRAGD	rs2150816	G	A	-0.116	0.009	0.285	6.24E-40	0.002	0.003	0.380	0.005	174.906	TRUE	9.69E-36
FEV1	RRAGD	rs2273507	G	C	-0.130	0.010	0.194	1.10E-38	-0.002	0.003	0.611	0.005	169.204	TRUE	3.78E-35
FEV1	RRAGD	rs2304895	T	C	0.083	0.012	0.115	2.54E-11	0.003	0.003	0.460	0.001	44.497	TRUE	5.15E-10
FEV1	RRAGD	rs2325181	C	T	-0.124	0.010	0.209	2.61E-37	-0.001	0.003	0.865	0.005	162.903	TRUE	2.23E-34
FEV1	RRAGD	rs3777518	A	G	0.119	0.008	0.352	1.10E-46	-0.006	0.003	0.010	0.006	205.848	TRUE	3.19E-39
FEV1	RRAGD	rs3798789	A	G	0.120	0.013	0.108	6.44E-20	-0.003	0.004	0.520	0.003	83.473	TRUE	6.87E-18
FEV1	RRAGD	rs4593337	A	G	0.269	0.012	0.136	3.00E-119	-0.006	0.004	0.074	0.017	539.041	TRUE	2.03E-105
FEV1	RRAGD	rs4706338	G	A	-0.111	0.009	0.337	2.07E-38	-0.002	0.003	0.570	0.005	167.941	TRUE	8.28E-35
FEV1	RRAGD	rs55809194	G	A	-0.204	0.018	0.055	1.14E-28	-0.003	0.005	0.604	0.004	123.398	TRUE	5.36E-26
FEV1	RRAGD	rs62415374	T	C	-0.165	0.028	0.022	2.26E-09	-0.008	0.008	0.280	0.001	35.729	TRUE	4.75E-08
FEV1	RRAGD	rs68109049	T	C	-0.068	0.008	0.446	2.26E-17	-0.001	0.002	0.629	0.002	71.902	TRUE	9.35E-16
FEV1	RRAGD	rs6939202	G	A	-0.080	0.012	0.128	2.19E-11	0.005	0.004	0.180	0.001	44.793	TRUE	1.26E-09

FEV1	RRAGD	rs72913764	C	T	-0.253	0.022	0.036	5.79E-30	-0.013	0.006	0.030	0.004	129.305	TRUE	4.05E-25
FEV1	RRAGD	rs75386964	G	A	-0.200	0.031	0.019	6.52E-11	0.005	0.009	0.628	0.001	42.654	TRUE	7.54E-10
FEV1	RRAGD	rs77269634	A	C	0.351	0.035	0.017	3.33E-23	0.002	0.010	0.855	0.003	98.448	TRUE	2.15E-21
FEV1	RRAGD	rs78329749	A	G	-0.174	0.023	0.034	1.10E-13	0.003	0.007	0.682	0.002	55.175	TRUE	1.99E-12
FEV1	RRAGD	rs79206956	A	G	0.303	0.034	0.018	1.41E-19	-0.015	0.008	0.059	0.003	81.919	TRUE	2.46E-16
FEV1	RRAGD	rs854863	A	T	-0.110	0.009	0.244	1.69E-32	0.003	0.003	0.250	0.004	140.893	TRUE	1.19E-28
FEV1	RRAGD	rs854908	A	C	-0.138	0.018	0.057	7.36E-15	0.002	0.005	0.697	0.002	60.497	TRUE	1.59E-13
FEV1	RRAGD	rs854918	C	G	0.283	0.009	0.261	8.81E-222	-0.005	0.003	0.078	0.031	1010.562	TRUE	2.53E-197
FEV1	RRAGD	rs854923	A	G	0.319	0.015	0.080	1.34E-101	-0.005	0.004	0.250	0.014	457.922	TRUE	4.28E-91
FEV1	RRAGD	rs9342188	C	T	0.092	0.015	0.084	6.56E-10	-0.002	0.004	0.693	0.001	38.145	TRUE	5.27E-09
FEV1	RRAGD	rs9344921	G	A	-0.166	0.008	0.358	2.15E-90	0.000	0.002	0.977	0.013	406.448	TRUE	1.89E-83
FEV1	RRAGD	rs9451248	T	C	0.150	0.020	0.043	3.10E-14	-0.007	0.007	0.324	0.002	57.665	TRUE	1.91E-12
FEV1	RRAGD	rs9451249	C	T	-0.071	0.010	0.181	5.51E-12	0.009	0.003	0.004	0.001	47.494	TRUE	4.78E-09
FEV1	SENP1	rs12311774	A	C	-0.151	0.011	0.189	2.91E-42	-0.014	0.003	1.80E-06	0.006	185.585	TRUE	4.16E-32
FEV1	SENP1	rs4579969	G	A	0.056	0.009	0.397	4.88E-10	0.003	0.002	0.302	0.001	38.721	TRUE	1.15E-08
FEV1	SENP1	rs4760683	C	T	0.068	0.011	0.181	1.50E-09	0.006	0.003	0.047	0.001	36.535	TRUE	1.32E-07
FEV1	SFRP1	rs13268057	A	G	-0.069	0.009	0.331	1.93E-15	0.008	0.003	0.001	0.002	63.135	TRUE	1.30E-11
FEV1	SFRP2	rs12643219	C	T	-0.129	0.010	0.203	6.22E-39	-0.001	0.003	0.732	0.005	170.332	TRUE	1.26E-35
FEV1	SFRP2	rs13151371	T	C	-0.044	0.008	0.507	3.86E-08	0.001	0.002	0.704	0.001	30.217	TRUE	2.11E-07
FEV1	SFRP2	rs2083288	T	C	0.064	0.010	0.225	4.22E-11	-0.004	0.003	0.206	0.001	43.504	TRUE	1.98E-09
FEV1	SFRP2	rs74810285	A	G	0.134	0.024	0.037	1.55E-08	-0.008	0.006	0.190	0.001	31.988	TRUE	3.61E-07
FEV1	SFRP2	rs75160897	T	A	0.109	0.015	0.075	1.15E-12	-0.007	0.004	0.111	0.002	50.561	TRUE	1.50E-10
FEV1	SFRP2	rs75455374	T	C	0.179	0.028	0.022	2.26E-10	-0.004	0.008	0.642	0.001	40.229	TRUE	2.26E-09
FEV1	SFRP2	rs7653960	T	G	0.164	0.009	0.296	1.75E-80	-0.009	0.003	3.73E-04	0.011	360.924	TRUE	5.18E-67
FEV1	SFRP2	rs76732887	C	T	0.074	0.013	0.106	1.40E-08	-0.010	0.004	0.008	0.001	32.183	TRUE	2.02E-06
FEV1	SFRP2	rs7685393	C	G	-0.051	0.008	0.342	1.21E-09	0.005	0.003	0.038	0.001	36.945	TRUE	1.18E-07
FEV1	SHARPIN	rs12545876	A	G	0.160	0.026	0.041	1.11E-09	-0.005	0.005	0.355	0.001	37.125	TRUE	1.98E-08
FEV1	SHARPIN	rs144290510	A	G	0.375	0.049	0.016	1.94E-14	0.003	0.010	0.748	0.002	58.586	TRUE	3.41E-13
FEV1	SHARPIN	rs60394484	A	C	-0.265	0.026	0.046	2.02E-24	0.032	0.005	5.38E-09	0.003	104.001	TRUE	2.01E-16
FEV1	SHARPIN	rs62530378	C	T	0.088	0.015	0.128	2.77E-09	0.010	0.004	0.003	0.001	35.336	TRUE	8.48E-07
FEV1	SHARPIN	rs7010588	T	C	-0.092	0.016	0.128	5.53E-09	-0.005	0.004	0.152	0.001	33.991	TRUE	1.75E-07
FEV1	SHARPIN	rs72693390	T	C	-0.067	0.011	0.298	5.64E-09	0.009	0.003	7.21E-04	0.001	33.954	TRUE	2.80E-06
FEV1	SHARPIN	rs74795902	G	A	0.329	0.035	0.026	4.78E-21	0.006	0.009	0.462	0.003	88.618	TRUE	8.07E-19
FEV1	SHARPIN	rs7822232	C	A	0.416	0.016	0.076	7.09E-149	0.012	0.004	0.004	0.021	675.240	TRUE	9.82E-129
FEV1	SHARPIN	rs7843457	T	C	-0.068	0.011	0.187	2.36E-10	-0.003	0.003	0.370	0.001	40.143	TRUE	4.81E-09
FEV1	SHISA5	rs13068288	T	A	-0.070	0.010	0.255	9.72E-13	0.001	0.003	0.823	0.002	50.896	TRUE	1.02E-11
FEV1	SHISA5	rs13086611	T	A	-0.067	0.009	0.305	1.65E-14	0.014	0.003	3.74E-08	0.002	58.908	TRUE	4.39E-09
FEV1	SHISA5	rs138564363	T	C	-0.112	0.018	0.078	2.69E-10	0.006	0.005	0.182	0.001	39.882	TRUE	1.07E-08
FEV1	SHISA5	rs35452137	C	A	0.151	0.014	0.091	3.07E-27	-0.002	0.004	0.568	0.004	116.857	TRUE	1.24E-24
FEV1	SHISA5	rs62261465	A	G	0.139	0.020	0.052	3.74E-12	-0.022	0.005	1.84E-05	0.002	48.252	TRUE	3.36E-08
FEV1	SHISA5	rs76508722	A	G	-0.251	0.037	0.015	1.50E-11	0.001	0.010	0.934	0.001	45.533	TRUE	9.67E-11
FEV1	SLC39A10	rs10931702	T	C	-0.320	0.008	0.451	0.00E+00	0.006	0.002	0.018	0.043	1424.887	TRUE	4.62E-275

FEV1	SLC39A10	rs114219342	G	T	0.242	0.024	0.047	3.11E-23	-0.011	0.005	0.039	0.003	98.579	TRUE	2.49E-19
FEV1	SLC39A10	rs114418671	A	G	0.289	0.053	0.026	3.97E-08	-0.004	0.007	0.550	0.001	30.164	TRUE	3.01E-07
FEV1	SLC39A10	rs115810920	C	A	0.296	0.037	0.021	1.26E-15	-0.012	0.009	0.195	0.002	63.967	TRUE	2.10E-13
FEV1	SLC39A10	rs12471921	A	C	-0.217	0.015	0.086	2.59E-45	-0.005	0.005	0.244	0.006	199.559	TRUE	3.41E-40
FEV1	SLC39A10	rs12613279	C	T	0.203	0.013	0.128	1.21E-55	-0.008	0.004	0.020	0.008	246.915	TRUE	1.83E-47
FEV1	SLC39A10	rs12617577	T	C	0.054	0.009	0.446	8.09E-10	0.001	0.002	0.752	0.001	37.737	TRUE	5.82E-09
FEV1	SLC39A10	rs13489	A	G	-0.270	0.027	0.033	6.60E-23	0.001	0.007	0.948	0.003	97.091	TRUE	3.06E-21
FEV1	SLC39A10	rs142677173	G	A	-0.169	0.024	0.042	1.75E-12	-0.006	0.006	0.257	0.002	49.741	TRUE	9.36E-11
FEV1	SLC39A10	rs145116182	A	C	0.268	0.042	0.020	2.56E-10	-0.004	0.008	0.566	0.001	39.980	TRUE	3.02E-09
FEV1	SLC39A10	rs17375180	T	C	-0.084	0.011	0.272	7.59E-15	0.001	0.003	0.619	0.002	60.434	TRUE	2.05E-13
FEV1	SLC39A10	rs189328934	T	C	-0.369	0.064	0.013	7.84E-09	0.019	0.019	0.310	0.001	33.312	TRUE	1.29E-07
FEV1	SLC39A10	rs62201528	C	T	0.205	0.019	0.065	5.11E-26	-0.002	0.005	0.686	0.004	111.283	TRUE	1.01E-23
FEV1	SLC39A10	rs62203362	G	T	0.282	0.029	0.034	2.58E-22	0.003	0.006	0.654	0.003	94.390	TRUE	2.85E-20
FEV1	SLC39A10	rs62623378	G	A	-0.193	0.014	0.108	4.64E-43	0.005	0.004	0.203	0.006	189.239	TRUE	5.87E-38
FEV1	SLC39A10	rs6434770	G	A	0.121	0.021	0.050	7.19E-09	0.004	0.005	0.484	0.001	33.480	TRUE	7.52E-08
FEV1	SLC39A10	rs6731673	T	A	-0.287	0.016	0.083	1.63E-75	0.001	0.004	0.731	0.011	338.105	TRUE	3.61E-69
FEV1	SLC39A10	rs71420698	A	G	0.226	0.034	0.027	2.76E-11	-0.011	0.009	0.209	0.001	44.337	TRUE	1.30E-09
FEV1	SLC39A10	rs72925706	C	T	-0.370	0.048	0.013	1.49E-14	0.015	0.009	0.124	0.002	59.111	TRUE	2.94E-12
FEV1	SLC39A10	rs72925716	T	C	0.176	0.022	0.052	1.98E-15	0.000	0.005	0.979	0.002	63.084	TRUE	2.22E-14
FEV1	SLC39A10	rs73062145	C	T	-0.281	0.021	0.047	1.19E-42	0.010	0.006	0.100	0.006	187.355	TRUE	5.11E-37
FEV1	SLC39A10	rs74626408	A	G	0.309	0.034	0.026	3.63E-20	0.006	0.006	0.374	0.003	84.609	TRUE	7.33E-18
FEV1	SLC39A10	rs7566549	G	T	-0.104	0.010	0.279	5.37E-27	-0.001	0.003	0.853	0.004	115.750	TRUE	7.20E-25
FEV1	SLC39A10	rs76042750	G	C	-0.143	0.016	0.077	1.70E-18	-0.002	0.004	0.682	0.002	77.010	TRUE	7.88E-17
FEV1	SLC39A10	rs76094696	A	G	0.322	0.022	0.051	3.85E-48	0.001	0.004	0.776	0.007	212.517	TRUE	3.63E-44
FEV1	SLC39A10	rs76683621	A	G	-0.214	0.033	0.020	1.12E-10	-0.017	0.009	0.058	0.001	41.597	TRUE	1.25E-08
FEV1	SLC39A10	rs77244019	T	G	-0.245	0.020	0.054	3.07E-33	0.009	0.005	0.096	0.005	144.279	TRUE	1.18E-28
FEV1	SLC39A10	rs78007726	A	G	0.305	0.035	0.022	2.82E-18	0.012	0.008	0.113	0.002	76.009	TRUE	1.70E-15
FEV1	SLC39A4	rs117328198	C	A	-0.415	0.020	0.068	4.72E-98	-0.016	0.004	2.76E-04	0.014	441.628	TRUE	4.39E-82
FEV1	SLC39A4	rs144646549	C	T	-0.173	0.030	0.035	1.11E-08	0.003	0.006	0.670	0.001	32.629	TRUE	7.44E-08
FEV1	SLC39A4	rs2280840	A	G	-0.103	0.010	0.456	9.62E-26	-0.004	0.002	0.119	0.003	110.029	TRUE	3.90E-22
FEV1	SLC39A4	rs2727226	C	T	-0.099	0.014	0.101	9.05E-13	-0.005	0.004	0.165	0.002	51.037	TRUE	7.85E-11
FEV1	SLC39A8	rs113361187	G	T	0.151	0.022	0.041	2.70E-12	0.001	0.007	0.873	0.002	48.891	TRUE	2.31E-11
FEV1	SLC39A8	rs113886002	T	C	0.061	0.011	0.175	1.31E-08	-0.001	0.003	0.687	0.001	32.318	TRUE	8.43E-08
FEV1	SLC39A8	rs115212877	A	G	0.269	0.043	0.022	2.65E-10	0.011	0.018	0.548	0.001	39.915	TRUE	3.26E-09
FEV1	SLC39A8	rs13107325	T	C	-0.117	0.019	0.055	2.91E-10	0.020	0.005	8.17E-06	0.001	39.733	TRUE	1.19E-06
FEV1	SLC39A8	rs13122985	A	G	-0.104	0.009	0.341	4.29E-34	0.003	0.003	0.220	0.005	148.192	TRUE	5.03E-30
FEV1	SLC39A8	rs149356990	T	C	0.275	0.041	0.017	3.44E-11	0.000	0.008	0.964	0.001	43.904	TRUE	1.94E-10
FEV1	SLC39A8	rs2205438	A	G	-0.093	0.012	0.150	5.04E-15	0.001	0.003	0.809	0.002	61.239	TRUE	8.22E-14
FEV1	SLC39A8	rs4699015	G	A	0.202	0.010	0.180	1.94E-83	-0.006	0.003	0.047	0.012	374.500	TRUE	7.89E-73
FEV1	SLC39A8	rs55929428	C	T	-0.063	0.009	0.296	9.14E-13	-0.003	0.003	0.212	0.002	51.016	TRUE	6.72E-11
FEV1	SLC39A8	rs77845705	T	C	0.117	0.019	0.050	1.22E-09	-0.008	0.006	0.169	0.001	36.930	TRUE	4.33E-08
FEV1	SPHK2	rs10426317	C	T	0.172	0.009	0.296	6.15E-87	0.007	0.003	0.014	0.012	390.565	TRUE	6.57E-75

FEV1	SPHK2	rs12460535	A	G	0.072	0.009	0.367	1.45E-15	0.002	0.003	0.366	0.002	63.696	TRUE	1.08E-13
FEV1	SPHK2	rs140534128	T	C	0.347	0.024	0.040	7.72E-49	-0.001	0.008	0.868	0.007	215.718	TRUE	5.27E-45
FEV1	SPHK2	rs2890071	C	T	0.094	0.012	0.204	2.32E-14	-0.004	0.003	0.168	0.002	58.241	TRUE	3.21E-12
FEV1	SPHK2	rs62132803	T	C	-0.065	0.011	0.234	5.39E-09	-0.001	0.003	0.636	0.001	34.043	TRUE	4.01E-08
FEV1	SPHK2	rs67824186	G	A	0.083	0.009	0.374	1.69E-20	-0.003	0.003	0.303	0.003	86.124	TRUE	5.27E-18
FEV1	SPTLC1	rs139581125	T	C	-0.187	0.026	0.030	6.95E-13	0.006	0.007	0.442	0.002	51.555	TRUE	2.04E-11
FEV1	SPTLC1	rs6479383	T	C	0.060	0.009	0.295	7.50E-12	0.003	0.003	0.270	0.001	46.889	TRUE	3.22E-10
FEV1	SPTLC1	rs7029539	G	A	0.086	0.011	0.158	2.27E-15	0.010	0.003	0.002	0.002	62.811	TRUE	1.07E-11
FEV1	SPTLC1	rs77335334	G	A	0.134	0.021	0.039	2.46E-10	0.025	0.006	7.25E-05	0.001	40.059	TRUE	5.27E-07
FEV1	SQSTM1	rs112938505	A	G	-0.170	0.028	0.023	1.55E-09	-0.005	0.008	0.539	0.001	36.465	TRUE	1.64E-08
FEV1	SQSTM1	rs12234037	G	A	-0.123	0.013	0.111	4.07E-22	-0.004	0.004	0.319	0.003	93.491	TRUE	1.69E-19
FEV1	SQSTM1	rs13188643	T	C	0.103	0.014	0.091	2.60E-13	-0.002	0.004	0.696	0.002	53.488	TRUE	4.14E-12
FEV1	SQSTM1	rs141361862	A	T	-0.200	0.037	0.015	4.68E-08	-0.007	0.011	0.532	0.001	29.845	TRUE	3.61E-07
FEV1	SQSTM1	rs141905691	A	G	-0.251	0.042	0.013	2.20E-09	0.005	0.011	0.627	0.001	35.785	TRUE	1.86E-08
FEV1	SQSTM1	rs142066681	T	G	0.196	0.035	0.018	2.30E-08	0.023	0.009	0.013	0.001	31.222	TRUE	2.54E-06
FEV1	SQSTM1	rs144323647	G	A	0.187	0.031	0.022	2.59E-09	-0.011	0.008	0.180	0.001	35.469	TRUE	7.89E-08
FEV1	SQSTM1	rs147890255	A	G	0.228	0.022	0.041	1.96E-25	0.002	0.005	0.651	0.003	108.616	TRUE	3.92E-23
FEV1	SQSTM1	rs17079867	T	C	0.150	0.025	0.031	1.06E-09	0.000	0.006	0.993	0.001	37.218	TRUE	4.45E-09
FEV1	SQSTM1	rs26076	A	G	-0.132	0.011	0.162	6.07E-34	-0.005	0.003	0.096	0.005	147.500	TRUE	2.81E-29
FEV1	SQSTM1	rs32458	G	A	-0.047	0.008	0.354	2.07E-08	-0.004	0.003	0.168	0.001	31.423	TRUE	4.89E-07
FEV1	SQSTM1	rs34297025	C	T	0.069	0.010	0.226	6.32E-13	0.004	0.003	0.146	0.002	51.742	TRUE	6.58E-11
FEV1	SQSTM1	rs3734007	G	A	-0.218	0.008	0.506	3.18E-169	-0.005	0.002	0.030	0.024	768.812	TRUE	7.71E-149
FEV1	SQSTM1	rs502729	C	A	-0.054	0.009	0.405	1.95E-09	-0.001	0.003	0.802	0.001	36.024	TRUE	1.12E-08
FEV1	SQSTM1	rs55638756	T	C	0.045	0.008	0.436	2.02E-08	-0.001	0.002	0.731	0.001	31.475	TRUE	1.10E-07
FEV1	SQSTM1	rs59666900	T	C	0.147	0.008	0.441	3.02E-75	0.006	0.002	0.009	0.011	336.878	TRUE	2.41E-64
FEV1	SQSTM1	rs62405048	A	G	-0.079	0.010	0.181	2.76E-14	-0.001	0.003	0.865	0.002	57.894	TRUE	3.38E-13
FEV1	SQSTM1	rs62406230	T	C	-0.129	0.013	0.115	1.10E-23	0.000	0.004	0.929	0.003	100.643	TRUE	6.29E-22
FEV1	SQSTM1	rs6877064	G	A	-0.133	0.012	0.133	1.01E-29	-0.010	0.004	0.003	0.004	128.203	TRUE	5.39E-24
FEV1	SQSTM1	rs6883240	T	G	-0.382	0.026	0.025	1.52E-49	-0.016	0.007	0.022	0.007	218.956	TRUE	3.63E-42
FEV1	SQSTM1	rs76731983	A	G	0.196	0.029	0.022	3.00E-11	0.001	0.009	0.945	0.001	44.175	TRUE	1.79E-10
FEV1	SQSTM1	rs7713126	A	G	0.124	0.019	0.057	3.27E-11	0.001	0.005	0.799	0.001	44.004	TRUE	2.72E-10
FEV1	SQSTM1	rs79838921	G	T	-0.249	0.036	0.017	4.56E-12	-0.019	0.009	0.038	0.002	47.864	TRUE	1.09E-09
FEV1	SREBF1	rs111734310	T	C	0.166	0.025	0.032	4.57E-11	0.004	0.006	0.544	0.001	43.349	TRUE	6.78E-10
FEV1	SREBF1	rs112408376	C	T	0.146	0.025	0.033	2.76E-09	-0.003	0.006	0.618	0.001	35.343	TRUE	2.32E-08
FEV1	SREBF1	rs116877152	T	G	0.212	0.027	0.027	1.63E-15	0.010	0.007	0.144	0.002	63.466	TRUE	3.65E-13
FEV1	SREBF1	rs118093840	C	T	0.157	0.028	0.029	3.10E-08	0.007	0.008	0.384	0.001	30.643	TRUE	3.53E-07
FEV1	SREBF1	rs12150484	T	C	0.163	0.013	0.111	7.14E-38	-0.003	0.004	0.429	0.005	165.482	TRUE	4.99E-34
FEV1	SREBF1	rs1242509	A	C	-0.118	0.009	0.248	4.35E-37	-0.001	0.003	0.854	0.005	161.890	TRUE	3.56E-34
FEV1	SREBF1	rs12601185	G	T	-0.179	0.023	0.030	2.19E-14	-0.013	0.009	0.144	0.002	58.347	TRUE	3.48E-12
FEV1	SREBF1	rs12946913	C	A	-0.302	0.008	0.387	0.00E+00	-0.005	0.002	0.040	0.043	1423.939	TRUE	6.36E-276
FEV1	SREBF1	rs143417053	C	T	-0.182	0.033	0.020	3.90E-08	-0.002	0.009	0.792	0.001	30.195	TRUE	1.83E-07
FEV1	SREBF1	rs148613234	C	T	-0.232	0.024	0.034	1.47E-22	-0.007	0.006	0.284	0.003	95.502	TRUE	8.22E-20

FEV1	SREBF1	rs150314082	C	T	-0.149	0.026	0.041	1.36E-08	0.022	0.012	0.077	0.001	32.242	TRUE	6.13E-07
FEV1	SREBF1	rs151001354	T	C	-0.208	0.031	0.021	1.10E-11	-0.005	0.008	0.539	0.001	46.139	TRUE	1.90E-10
FEV1	SREBF1	rs151127579	T	C	0.105	0.016	0.065	1.03E-10	0.018	0.005	6.15E-05	0.001	41.770	TRUE	2.80E-07
FEV1	SREBF1	rs16961675	G	T	0.060	0.009	0.296	1.17E-10	0.006	0.003	0.027	0.001	41.520	TRUE	2.08E-08
FEV1	SREBF1	rs2746030	A	G	0.117	0.009	0.335	1.81E-40	0.001	0.002	0.592	0.006	177.364	TRUE	9.72E-37
FEV1	SREBF1	rs4458058	A	G	0.243	0.025	0.033	2.07E-22	0.002	0.006	0.810	0.003	94.827	TRUE	1.37E-20
FEV1	SREBF1	rs4925122	A	C	0.091	0.011	0.416	4.53E-16	0.002	0.003	0.435	0.002	65.989	TRUE	2.77E-14
FEV1	SREBF1	rs56300264	T	C	-0.082	0.013	0.234	8.90E-11	-0.005	0.003	0.088	0.001	42.047	TRUE	7.32E-09
FEV1	SREBF1	rs61217632	T	C	-0.283	0.016	0.073	4.55E-70	0.003	0.005	0.533	0.010	313.106	TRUE	1.37E-63
FEV1	SREBF1	rs6502607	C	T	-0.117	0.011	0.153	1.05E-25	-0.004	0.003	0.220	0.003	109.861	TRUE	1.86E-22
FEV1	SREBF1	rs70959694	C	G	-0.173	0.015	0.072	3.03E-29	-0.004	0.005	0.383	0.004	126.019	TRUE	4.48E-26
FEV1	SREBF1	rs741783	A	G	0.179	0.011	0.150	2.18E-58	0.004	0.003	0.177	0.008	259.511	TRUE	1.07E-51
FEV1	SREBF1	rs75158606	T	C	0.165	0.030	0.022	4.73E-08	0.006	0.007	0.355	0.001	29.823	TRUE	5.57E-07
FEV1	SREBF1	rs76051074	C	T	0.200	0.033	0.025	1.37E-09	-0.007	0.007	0.365	0.001	36.702	TRUE	2.37E-08
FEV1	SREBF1	rs76416971	A	G	0.233	0.023	0.038	7.58E-25	0.005	0.005	0.392	0.003	105.939	TRUE	4.16E-22
FEV1	SREBF1	rs76855239	T	C	-0.297	0.021	0.043	1.45E-47	-0.005	0.006	0.395	0.007	209.876	TRUE	1.06E-42
FEV1	SREBF1	rs77426647	T	G	-0.277	0.023	0.033	9.96E-33	-0.001	0.006	0.844	0.004	141.944	TRUE	3.95E-30
FEV1	SREBF1	rs77697889	G	A	0.147	0.012	0.141	4.98E-33	0.004	0.003	0.176	0.005	143.321	TRUE	7.06E-29
FEV1	SREBF1	rs78761720	A	G	-0.289	0.022	0.041	8.73E-40	-0.010	0.005	0.047	0.005	174.240	TRUE	5.53E-34
FEV1	SREBF1	rs9909417	A	G	-0.054	0.009	0.297	1.02E-09	0.000	0.003	0.871	0.001	37.276	TRUE	5.40E-09
FEV1	STAT1	rs13029532	C	A	0.104	0.015	0.080	8.96E-13	0.008	0.005	0.078	0.002	51.056	TRUE	1.55E-10
FEV1	STAT1	rs3771311	G	T	0.080	0.013	0.103	6.85E-10	0.007	0.004	0.061	0.001	38.062	TRUE	5.84E-08
FEV1	STAT1	rs6745710	G	C	-0.067	0.009	0.293	2.03E-14	-0.006	0.003	0.013	0.002	58.501	TRUE	2.43E-11
FEV1	STAT2	rs117027576	G	T	-0.161	0.029	0.023	3.77E-08	0.036	0.010	2.70E-04	0.001	30.264	TRUE	1.68E-05
FEV1	STAT2	rs143999261	A	G	-0.227	0.032	0.020	1.56E-12	0.004	0.008	0.634	0.002	49.965	TRUE	2.52E-11
FEV1	STAT2	rs150955176	C	T	-0.387	0.016	0.071	1.48E-125	0.015	0.005	0.001	0.018	568.025	TRUE	3.89E-107
FEV1	STAT2	rs2657878	T	C	-0.083	0.010	0.177	1.66E-15	0.007	0.003	0.031	0.002	63.427	TRUE	1.37E-12
FEV1	STAT2	rs60169753	T	G	-0.150	0.019	0.049	6.39E-16	0.005	0.005	0.369	0.002	65.308	TRUE	5.01E-14
FEV1	STAT2	rs73113010	T	C	-0.288	0.032	0.020	2.12E-19	0.004	0.010	0.677	0.003	81.117	TRUE	1.19E-17
FEV1	STAT2	rs73119300	A	G	-0.109	0.015	0.088	2.12E-12	0.000	0.004	0.944	0.002	49.370	TRUE	1.59E-11
FEV1	STAT2	rs7312770	C	T	0.062	0.008	0.450	1.47E-14	-0.013	0.002	6.17E-08	0.002	59.129	TRUE	2.60E-09
FEV1	STAT2	rs78062104	G	T	-0.285	0.036	0.024	1.01E-15	0.012	0.012	0.304	0.002	64.413	TRUE	9.69E-14
FEV1	STK25	rs12476462	G	A	0.057	0.010	0.185	1.93E-08	0.005	0.003	0.087	0.001	31.560	TRUE	7.56E-07
FEV1	STK25	rs138807997	G	A	-0.172	0.027	0.035	8.58E-11	-0.003	0.006	0.631	0.001	42.117	TRUE	9.66E-10
FEV1	STK25	rs4675917	C	T	-0.084	0.009	0.303	1.56E-21	-0.006	0.003	0.019	0.003	90.834	TRUE	1.41E-17
FEV1	STK25	rs886809	G	A	-0.115	0.010	0.221	4.98E-33	-0.007	0.003	0.011	0.005	143.321	TRUE	2.81E-27
FEV1	STX4	rs1046276	T	C	0.312	0.008	0.375	0.00E+00	-0.022	0.002	3.72E-19	0.045	1508.584	TRUE	4.75E-263
FEV1	STX4	rs11150606	C	T	-0.150	0.020	0.050	1.92E-13	-0.001	0.009	0.955	0.002	54.087	TRUE	1.65E-12
FEV1	STX4	rs112766425	G	A	0.285	0.017	0.060	5.35E-60	-0.016	0.005	0.001	0.008	266.894	TRUE	1.07E-49
FEV1	STX4	rs11642632	A	G	0.186	0.024	0.032	4.49E-15	-0.010	0.006	0.106	0.002	61.468	TRUE	1.18E-12
FEV1	STX4	rs116849262	A	G	-0.170	0.024	0.036	2.34E-12	0.000	0.006	0.956	0.002	49.176	TRUE	1.64E-11
FEV1	STX4	rs117219760	G	T	0.277	0.042	0.024	2.61E-11	-0.014	0.009	0.100	0.001	44.446	TRUE	2.38E-09

FEV1	STX4	rs117829446	C	T	-0.152	0.013	0.099	1.30E-29	0.002	0.004	0.587	0.004	127.705	TRUE	7.83E-27
FEV1	STX4	rs118151917	C	G	-0.324	0.054	0.014	2.02E-09	0.028	0.012	0.016	0.001	35.955	TRUE	3.13E-07
FEV1	STX4	rs12918549	T	C	-0.059	0.009	0.340	4.73E-12	0.003	0.003	0.188	0.002	47.792	TRUE	3.07E-10
FEV1	STX4	rs138453524	A	G	0.282	0.035	0.019	1.55E-15	-0.005	0.010	0.628	0.002	63.561	TRUE	4.69E-14
FEV1	STX4	rs139294330	G	A	-0.153	0.025	0.035	5.85E-10	0.003	0.006	0.628	0.001	38.368	TRUE	5.47E-09
FEV1	STX4	rs143159643	T	C	-0.325	0.058	0.014	1.57E-08	0.002	0.010	0.829	0.001	31.968	TRUE	7.29E-08
FEV1	STX4	rs146060040	T	C	0.255	0.037	0.017	8.39E-12	-0.010	0.012	0.384	0.001	46.671	TRUE	2.33E-10
FEV1	STX4	rs147208188	A	G	0.305	0.027	0.024	2.78E-29	-0.005	0.008	0.494	0.004	126.190	TRUE	2.41E-26
FEV1	STX4	rs149949703	A	G	0.209	0.038	0.017	3.91E-08	-0.020	0.008	0.013	0.001	30.191	TRUE	3.91E-06
FEV1	STX4	rs28385574	T	C	-0.209	0.017	0.068	8.78E-34	0.016	0.004	3.68E-05	0.005	146.769	TRUE	6.05E-26
FEV1	STX4	rs4321211	C	T	-0.049	0.008	0.493	6.72E-10	-0.003	0.002	0.218	0.001	38.099	TRUE	2.16E-08
FEV1	STX4	rs4447446	C	T	0.112	0.008	0.469	5.73E-45	-0.005	0.002	0.031	0.006	197.981	TRUE	3.06E-38
FEV1	STX4	rs4500746	T	C	0.069	0.009	0.303	1.32E-15	-0.008	0.003	0.002	0.002	63.881	TRUE	7.60E-12
FEV1	STX4	rs4889654	G	A	0.077	0.008	0.375	1.31E-20	-0.005	0.002	0.051	0.003	86.630	TRUE	3.28E-17
FEV1	STX4	rs56142883	T	C	0.260	0.025	0.031	6.83E-25	-0.016	0.007	0.018	0.003	106.145	TRUE	1.83E-20
FEV1	STX4	rs72785572	C	T	0.194	0.018	0.063	1.48E-26	-0.006	0.005	0.214	0.004	113.744	TRUE	3.31E-23
FEV1	STX4	rs72785590	A	G	0.158	0.020	0.052	1.63E-15	-0.008	0.006	0.182	0.002	63.466	TRUE	2.81E-13
FEV1	STX4	rs72792516	C	T	-0.108	0.019	0.050	1.44E-08	0.008	0.005	0.142	0.001	32.136	TRUE	4.25E-07
FEV1	STX4	rs72800851	T	C	-0.203	0.033	0.021	4.75E-10	0.022	0.008	0.005	0.001	38.776	TRUE	1.67E-07
FEV1	STX4	rs74776661	A	C	-0.211	0.036	0.018	4.45E-09	0.027	0.011	0.013	0.001	34.413	TRUE	6.61E-07
FEV1	STX4	rs75812329	A	G	0.112	0.018	0.076	4.48E-10	-0.002	0.004	0.593	0.001	38.888	TRUE	4.80E-09
FEV1	STX4	rs77353311	G	A	-0.199	0.014	0.098	3.68E-47	0.004	0.004	0.325	0.007	208.026	TRUE	3.76E-42
FEV1	STX4	rs79030220	T	C	-0.172	0.020	0.055	1.27E-18	0.016	0.005	8.64E-04	0.002	77.580	TRUE	3.78E-14
FEV1	STX4	rs9746755	A	G	-0.086	0.008	0.519	1.13E-26	0.008	0.002	0.001	0.004	114.269	TRUE	6.08E-21
FEV1	STYXL1	rs112059545	A	C	0.056	0.008	0.479	2.86E-11	0.003	0.002	0.197	0.001	44.270	TRUE	1.32E-09
FEV1	STYXL1	rs112337412	G	A	0.354	0.010	0.209	1.02E-296	0.000	0.003	0.962	0.041	1355.346	TRUE	3.97E-271
FEV1	STYXL1	rs113745917	G	A	0.280	0.016	0.073	9.86E-70	0.001	0.005	0.759	0.010	311.566	TRUE	6.41E-64
FEV1	STYXL1	rs11465295	T	C	0.130	0.014	0.097	7.81E-22	0.002	0.004	0.655	0.003	92.200	TRUE	7.48E-20
FEV1	STYXL1	rs11465306	C	G	-0.086	0.009	0.276	1.53E-21	-0.002	0.003	0.518	0.003	90.865	TRUE	2.38E-19
FEV1	STYXL1	rs117335147	T	C	-0.361	0.061	0.014	3.72E-09	-0.005	0.010	0.646	0.001	34.761	TRUE	2.85E-08
FEV1	STYXL1	rs11760654	T	C	0.312	0.008	0.365	0.00E+00	0.000	0.002	0.934	0.045	1487.448	TRUE	9.55E-297
FEV1	STYXL1	rs117649480	T	C	0.522	0.072	0.012	5.15E-13	0.012	0.010	0.235	0.002	52.142	TRUE	3.40E-11
FEV1	STYXL1	rs1179601	C	T	0.046	0.008	0.379	3.17E-08	0.006	0.002	0.023	0.001	30.601	TRUE	2.56E-06
FEV1	STYXL1	rs118040706	C	T	-0.218	0.034	0.019	1.67E-10	-0.005	0.009	0.561	0.001	40.817	TRUE	2.10E-09
FEV1	STYXL1	rs118155742	A	G	1.385	0.032	0.018	0.00E+00	0.007	0.008	0.391	0.055	1839.734	TRUE	0.00E+00
FEV1	STYXL1	rs12113288	A	G	-0.193	0.010	0.193	2.91E-81	0.000	0.003	0.989	0.011	364.502	TRUE	3.77E-75
FEV1	STYXL1	rs12155274	T	C	-0.209	0.015	0.087	8.66E-47	0.003	0.004	0.509	0.006	206.323	TRUE	2.61E-42
FEV1	STYXL1	rs139128931	A	C	1.627	0.040	0.017	0.00E+00	0.002	0.011	0.892	0.049	1649.233	TRUE	0.00E+00
FEV1	STYXL1	rs141740587	T	C	-0.288	0.041	0.015	2.69E-12	0.008	0.012	0.510	0.002	48.902	TRUE	5.76E-11
FEV1	STYXL1	rs142596194	A	C	-0.177	0.031	0.021	9.90E-09	0.005	0.008	0.517	0.001	32.858	TRUE	9.30E-08
FEV1	STYXL1	rs143228644	C	T	-0.109	0.018	0.063	1.27E-09	-0.009	0.005	0.065	0.001	36.855	TRUE	9.49E-08
FEV1	STYXL1	rs143345136	C	T	0.212	0.034	0.020	2.80E-10	0.004	0.008	0.682	0.001	39.804	TRUE	2.54E-09

FEV1	STYXL1	rs145495035	T	C	-0.317	0.039	0.020	2.93E-16	-0.005	0.009	0.546	0.002	66.846	TRUE	1.34E-14
FEV1	STYXL1	rs145857471	T	C	1.510	0.080	0.013	1.27E-78	0.004	0.011	0.723	0.011	352.371	TRUE	5.72E-72
FEV1	STYXL1	rs148821189	A	G	-0.083	0.013	0.126	2.50E-10	0.002	0.004	0.681	0.001	40.026	TRUE	2.31E-09
FEV1	STYXL1	rs150437691	C	T	-0.081	0.009	0.246	4.46E-18	-0.005	0.003	0.098	0.002	75.102	TRUE	3.17E-15
FEV1	STYXL1	rs150590257	T	C	-0.203	0.031	0.023	9.88E-11	-0.015	0.008	0.062	0.001	41.843	TRUE	1.05E-08
FEV1	STYXL1	rs150857694	C	T	0.519	0.039	0.045	3.26E-40	0.010	0.017	0.559	0.006	176.199	TRUE	1.94E-36
FEV1	STYXL1	rs151158408	A	G	0.376	0.036	0.017	2.27E-25	0.003	0.010	0.746	0.003	108.324	TRUE	3.23E-23
FEV1	STYXL1	rs17842722	C	G	0.153	0.015	0.085	1.09E-25	-0.005	0.004	0.242	0.003	109.773	TRUE	1.65E-22
FEV1	STYXL1	rs180756478	G	T	-0.100	0.017	0.067	8.48E-09	-0.013	0.005	0.007	0.001	33.159	TRUE	1.58E-06
FEV1	STYXL1	rs182580682	A	G	-0.216	0.034	0.021	1.95E-10	-0.017	0.011	0.126	0.001	40.511	TRUE	1.12E-08
FEV1	STYXL1	rs2302006	G	T	-0.058	0.010	0.197	1.03E-08	0.002	0.003	0.545	0.001	32.778	TRUE	8.91E-08
FEV1	STYXL1	rs239952	T	C	-0.208	0.014	0.095	8.66E-48	0.003	0.004	0.441	0.007	210.905	TRUE	4.49E-43
FEV1	STYXL1	rs2705782	A	G	-0.090	0.008	0.462	2.92E-29	-0.008	0.002	5.94E-04	0.004	126.096	TRUE	4.70E-23
FEV1	STYXL1	rs2961039	C	T	-0.138	0.009	0.250	1.52E-50	-0.001	0.003	0.765	0.007	223.537	TRUE	2.26E-46
FEV1	STYXL1	rs38700	C	A	0.212	0.037	0.027	1.45E-08	0.005	0.007	0.489	0.001	32.120	TRUE	1.39E-07
FEV1	STYXL1	rs41302345	T	C	1.537	0.044	0.016	1.50E-272	-0.002	0.010	0.826	0.038	1244.130	TRUE	1.34E-248
FEV1	STYXL1	rs4732459	A	G	-0.115	0.008	0.420	5.80E-46	-0.002	0.002	0.432	0.006	202.537	TRUE	2.34E-41
FEV1	STYXL1	rs4907169	T	C	0.113	0.010	0.253	5.22E-30	-0.001	0.003	0.713	0.004	129.510	TRUE	2.06E-27
FEV1	STYXL1	rs55638089	A	G	-0.546	0.023	0.031	4.20E-123	0.001	0.008	0.945	0.017	556.754	TRUE	2.31E-113
FEV1	STYXL1	rs55837343	T	C	-0.100	0.013	0.122	6.85E-14	0.000	0.004	0.946	0.002	56.108	TRUE	6.31E-13
FEV1	STYXL1	rs62475265	G	A	-0.123	0.020	0.047	1.60E-09	-0.005	0.005	0.344	0.001	36.409	TRUE	2.90E-08
FEV1	STYXL1	rs62475543	G	A	-0.115	0.011	0.253	6.97E-27	-0.004	0.003	0.171	0.004	115.233	TRUE	2.63E-23
FEV1	STYXL1	rs6465038	T	C	-0.333	0.008	0.494	0.00E+00	-0.006	0.002	0.009	0.054	1821.872	TRUE	0.00E+00
FEV1	STYXL1	rs6465337	C	T	0.096	0.008	0.348	8.72E-30	0.001	0.002	0.822	0.004	128.492	TRUE	2.05E-27
FEV1	STYXL1	rs6976363	G	A	-0.236	0.025	0.029	9.74E-21	-0.001	0.008	0.951	0.003	87.207	TRUE	3.01E-19
FEV1	STYXL1	rs73133930	A	G	-0.142	0.016	0.076	5.56E-20	0.001	0.004	0.735	0.003	83.765	TRUE	2.83E-18
FEV1	STYXL1	rs75629691	G	A	1.130	0.028	0.024	0.00E+00	0.012	0.007	0.092	0.048	1597.070	TRUE	0.00E+00
FEV1	STYXL1	rs76832022	T	C	-0.174	0.018	0.061	1.05E-21	0.001	0.006	0.801	0.003	91.606	TRUE	6.26E-20
FEV1	STYXL1	rs77644037	T	G	-0.326	0.044	0.016	1.56E-13	-0.002	0.010	0.876	0.002	54.485	TRUE	1.65E-12
FEV1	STYXL1	rs7801048	A	G	0.220	0.008	0.446	1.46E-167	0.002	0.002	0.504	0.023	761.170	TRUE	4.04E-152
FEV1	STYXL1	rs79969407	A	G	-0.121	0.016	0.074	4.11E-14	-0.001	0.004	0.873	0.002	57.113	TRUE	4.85E-13
FEV1	STYXL1	rs9791805	A	G	-0.054	0.009	0.498	3.61E-10	-0.001	0.002	0.763	0.001	39.310	TRUE	2.60E-09
FEV1	TCF7L2	rs10787470	G	T	-0.078	0.008	0.475	1.67E-22	0.002	0.002	0.305	0.003	95.251	TRUE	7.58E-20
FEV1	TCF7L2	rs10787471	A	G	-0.065	0.008	0.435	4.90E-16	-0.004	0.002	0.138	0.002	65.833	TRUE	1.24E-13
FEV1	TCF7L2	rs10885396	C	T	0.193	0.008	0.473	8.29E-132	-0.007	0.002	0.006	0.018	596.769	TRUE	3.70E-114
FEV1	TCF7L2	rs11599737	A	G	0.080	0.014	0.098	6.44E-09	-0.003	0.004	0.520	0.001	33.694	TRUE	6.14E-08
FEV1	TCF7L2	rs116761056	T	C	-0.210	0.030	0.020	4.71E-12	0.007	0.009	0.428	0.002	47.803	TRUE	1.22E-10
FEV1	TCF7L2	rs117391727	A	G	-0.289	0.040	0.015	3.40E-13	0.017	0.011	0.107	0.002	52.960	TRUE	5.12E-11
FEV1	TCF7L2	rs142715520	A	G	-0.097	0.014	0.085	1.36E-11	0.001	0.004	0.910	0.001	45.716	TRUE	9.55E-11
FEV1	TCF7L2	rs2296782	G	A	-0.136	0.009	0.242	7.08E-48	0.002	0.003	0.497	0.007	211.306	TRUE	2.79E-43
FEV1	TCF7L2	rs4918771	T	G	0.046	0.008	0.401	1.12E-08	-0.003	0.002	0.199	0.001	32.611	TRUE	2.66E-07
FEV1	TCF7L2	rs56396266	C	A	-0.240	0.040	0.014	1.83E-09	0.014	0.010	0.177	0.001	36.142	TRUE	5.95E-08

FEV1	TCF7L2	rs77486531	T	C	-0.237	0.043	0.017	4.77E-08	0.008	0.008	0.290	0.001	29.805	TRUE	6.84E-07
FEV1	TCF7L2	rs77657611	G	A	0.192	0.016	0.071	1.56E-33	-0.008	0.005	0.077	0.005	145.631	TRUE	8.90E-29
FEV1	TEX264	rs111349619	G	T	0.193	0.033	0.023	2.93E-09	0.012	0.007	0.090	0.001	35.224	TRUE	1.50E-07
FEV1	TEX264	rs113649916	A	G	0.317	0.022	0.122	5.10E-46	-0.013	0.004	5.70E-04	0.006	202.794	TRUE	3.01E-37
FEV1	TEX264	rs116771349	G	A	-0.093	0.013	0.172	1.74E-13	0.002	0.003	0.587	0.002	54.272	TRUE	3.90E-12
FEV1	TEX264	rs17661242	G	A	-0.225	0.027	0.028	3.94E-17	0.013	0.009	0.144	0.002	70.805	TRUE	1.33E-14
FEV1	TEX264	rs36101994	G	A	0.079	0.011	0.252	7.78E-14	0.002	0.003	0.485	0.002	55.857	TRUE	2.53E-12
FEV1	TGFB2	rs12034138	T	C	0.082	0.012	0.132	5.36E-12	0.016	0.004	1.22E-05	0.001	47.549	TRUE	5.12E-08
FEV1	TMBIM1	rs115504855	G	A	0.179	0.021	0.045	7.13E-17	-0.014	0.006	0.024	0.002	69.631	TRUE	1.17E-13
FEV1	TMBIM1	rs115781203	G	A	-0.400	0.062	0.014	1.32E-10	-0.017	0.009	0.056	0.001	41.278	TRUE	1.43E-08
FEV1	TMBIM1	rs115989393	T	C	0.182	0.031	0.030	3.42E-09	-0.007	0.006	0.284	0.001	34.926	TRUE	6.68E-08
FEV1	TMBIM1	rs116831766	C	A	0.216	0.029	0.043	4.56E-14	0.001	0.006	0.865	0.002	56.908	TRUE	5.36E-13
FEV1	TMBIM1	rs13062	A	C	-0.070	0.008	0.355	3.17E-17	0.000	0.002	0.885	0.002	71.229	TRUE	6.70E-16
FEV1	TMBIM1	rs13386932	G	A	0.129	0.021	0.045	7.95E-10	0.008	0.005	0.149	0.001	37.771	TRUE	3.41E-08
FEV1	TMBIM1	rs3181212	A	G	0.083	0.012	0.131	2.49E-12	0.009	0.004	0.009	0.002	49.048	TRUE	1.66E-09
FEV1	TMBIM1	rs62182794	G	A	-0.242	0.023	0.034	1.11E-26	-0.001	0.006	0.890	0.004	114.308	TRUE	1.19E-24
FEV1	TMBIM1	rs72947598	G	A	0.143	0.016	0.071	1.13E-18	0.007	0.005	0.123	0.002	77.816	TRUE	6.71E-16
FEV1	TMBIM1	rs72949328	A	G	-0.146	0.022	0.044	2.56E-11	-0.002	0.006	0.730	0.001	44.486	TRUE	2.52E-10
FEV1	TMBIM1	rs7423696	T	C	0.057	0.009	0.310	5.55E-11	0.000	0.003	0.949	0.001	42.971	TRUE	3.22E-10
FEV1	TMBIM1	rs74270394	A	G	-0.164	0.013	0.098	1.01E-34	0.000	0.004	0.937	0.005	151.064	TRUE	3.94E-32
FEV1	TMBIM1	rs7559416	G	A	-0.201	0.008	0.386	1.04E-135	-0.006	0.002	0.022	0.019	614.715	TRUE	9.38E-119
FEV1	TMBIM6	rs11169078	T	G	-0.290	0.040	0.022	5.61E-13	0.016	0.009	0.072	0.002	51.975	TRUE	1.12E-10
FEV1	TMBIM6	rs11837639	A	G	0.176	0.016	0.064	1.13E-27	0.016	0.005	2.80E-04	0.004	118.837	TRUE	2.10E-21
FEV1	TMBIM6	rs148343700	C	T	-0.240	0.027	0.025	3.86E-19	0.018	0.009	0.046	0.003	79.936	TRUE	7.57E-16
FEV1	TMBIM6	rs7972360	T	G	-0.130	0.023	0.037	2.39E-08	-0.009	0.009	0.344	0.001	31.150	TRUE	3.13E-07
FEV1	TMEM106B	rs1149542	C	T	0.089	0.016	0.067	3.14E-08	0.010	0.004	0.023	0.001	30.616	TRUE	2.41E-06
FEV1	TMEM106B	rs11509880	A	G	0.072	0.009	0.340	6.16E-17	-0.004	0.003	0.087	0.002	69.922	TRUE	3.17E-14
FEV1	TMEM106B	rs2215992	T	C	0.079	0.011	0.162	3.68E-13	-0.006	0.003	0.080	0.002	52.806	TRUE	7.08E-11
FEV1	TMEM106B	rs62433256	A	C	0.105	0.017	0.062	3.03E-10	-0.012	0.005	0.011	0.001	39.650	TRUE	8.05E-08
FEV1	TMEM106B	rs6460915	G	A	0.066	0.008	0.386	7.84E-16	0.002	0.002	0.497	0.002	64.905	TRUE	3.68E-14
FEV1	TMEM106B	rs6460957	A	C	-0.064	0.009	0.253	3.41E-12	-0.001	0.003	0.712	0.002	48.433	TRUE	4.30E-11
FEV1	TMEM106B	rs71536872	A	T	-0.473	0.039	0.060	1.09E-33	0.008	0.005	0.063	0.005	146.333	TRUE	8.40E-29
FEV1	TMEM106B	rs76353014	G	A	0.129	0.021	0.038	1.24E-09	0.003	0.006	0.574	0.001	36.901	TRUE	1.23E-08
FEV1	TMEM106B	rs7810945	A	G	0.112	0.008	0.443	1.44E-44	-0.006	0.002	0.015	0.006	196.139	TRUE	1.73E-37
FEV1	TMEM14A	rs10456157	T	C	0.066	0.008	0.439	1.84E-16	-0.005	0.002	0.059	0.002	67.761	TRUE	1.23E-13
FEV1	TMEM14A	rs1107257	C	T	-0.060	0.009	0.237	1.61E-10	0.009	0.003	0.001	0.001	40.893	TRUE	1.41E-07
FEV1	TMEM14A	rs2268703	C	T	-0.067	0.012	0.134	1.50E-08	-0.001	0.004	0.702	0.001	32.054	TRUE	9.11E-08
FEV1	TMEM14A	rs2670123	C	G	-0.190	0.009	0.273	3.91E-102	0.006	0.003	0.016	0.014	460.382	TRUE	1.92E-88
FEV1	TMEM14A	rs2749048	C	T	-0.058	0.008	0.358	2.17E-12	0.007	0.002	0.008	0.002	49.325	TRUE	1.69E-09
FEV1	TMEM14A	rs471568	A	C	0.052	0.009	0.289	3.46E-09	0.003	0.003	0.199	0.001	34.905	TRUE	9.91E-08
FEV1	TMEM14A	rs67731163	T	C	0.060	0.008	0.448	7.38E-14	-0.001	0.002	0.848	0.002	55.962	TRUE	9.34E-13
FEV1	TMEM14A	rs76660980	A	G	-0.108	0.017	0.060	4.02E-10	-0.007	0.005	0.157	0.001	39.100	TRUE	1.70E-08

FEV1	TMEM14A	rs77398547	C	T	-0.118	0.018	0.052	5.93E-11	0.015	0.005	0.003	0.001	42.842	TRUE	3.86E-08
FEV1	TMEM14A	rs9474285	C	A	0.139	0.013	0.132	1.99E-27	0.000	0.004	0.959	0.004	117.723	TRUE	1.94E-25
FEV1	TNFRSF10A	rs12546348	G	C	-0.053	0.009	0.310	8.07E-10	0.001	0.003	0.829	0.001	37.741	TRUE	4.68E-09
FEV1	TNFRSF10A	rs142304459	G	T	-0.192	0.035	0.019	3.78E-08	0.009	0.008	0.241	0.001	30.259	TRUE	6.42E-07
FEV1	TNFRSF10A	rs143962144	A	G	0.171	0.023	0.035	4.77E-14	0.001	0.007	0.884	0.002	56.818	TRUE	5.46E-13
FEV1	TNFRSF10A	rs150623303	A	G	-0.361	0.052	0.013	3.03E-12	0.026	0.012	0.023	0.002	48.664	TRUE	1.07E-09
FEV1	TNFRSF10A	rs34108324	A	G	-0.052	0.009	0.311	1.77E-09	-0.003	0.003	0.285	0.001	36.214	TRUE	3.58E-08
FEV1	TNFRSF10A	rs35592234	C	T	0.159	0.017	0.062	3.33E-20	-0.009	0.005	0.049	0.003	84.778	TRUE	8.14E-17
FEV1	TNFRSF10A	rs4242395	C	T	-0.209	0.011	0.156	1.43E-80	0.005	0.003	0.100	0.011	361.327	TRUE	4.43E-71
FEV1	TNFRSF10A	rs4604437	C	T	-0.105	0.008	0.482	9.55E-40	0.003	0.002	0.174	0.005	174.061	TRUE	7.87E-35
FEV1	TNFRSF10A	rs4872102	C	A	0.054	0.009	0.283	9.54E-10	-0.001	0.003	0.791	0.001	37.415	TRUE	6.21E-09
FEV1	TNFRSF10A	rs73222578	C	T	-0.108	0.009	0.229	4.12E-30	0.009	0.003	0.002	0.004	129.978	TRUE	5.30E-24
FEV1	TNFRSF10A	rs73224403	T	G	0.298	0.010	0.208	7.73E-189	-0.008	0.003	0.007	0.026	859.030	TRUE	1.03E-164
FEV1	TNFRSF10A	rs73224451	A	C	0.154	0.021	0.040	4.25E-13	0.000	0.007	0.986	0.002	52.521	TRUE	3.17E-12
FEV1	TNFRSF10A	rs75125656	G	A	0.249	0.034	0.017	2.84E-13	-0.001	0.009	0.951	0.002	53.310	TRUE	2.37E-12
FEV1	TNFRSF10A	rs9969398	C	G	-0.161	0.027	0.024	3.66E-09	0.008	0.008	0.318	0.001	34.796	TRUE	6.43E-08
FEV1	TNFSF10	rs115101606	A	G	0.181	0.019	0.057	7.77E-22	-0.001	0.005	0.907	0.003	92.211	TRUE	3.37E-20
FEV1	TNFSF10	rs115898535	A	C	0.232	0.030	0.022	1.82E-14	0.007	0.007	0.295	0.002	58.715	TRUE	1.33E-12
FEV1	TNFSF10	rs116631637	G	A	0.101	0.017	0.063	2.68E-09	0.005	0.004	0.288	0.001	35.402	TRUE	5.43E-08
FEV1	TNFSF10	rs12897	G	A	-0.047	0.008	0.394	5.51E-09	-0.001	0.002	0.722	0.001	33.998	TRUE	3.58E-08
FEV1	TNFSF10	rs143550433	T	G	-0.254	0.033	0.018	8.74E-15	-0.004	0.009	0.683	0.002	60.158	TRUE	1.92E-13
FEV1	TNFSF10	rs150244029	T	C	-0.175	0.010	0.188	1.55E-66	-0.002	0.003	0.615	0.009	296.889	TRUE	1.27E-60
FEV1	TNFSF10	rs17463357	G	A	0.106	0.018	0.054	2.30E-09	-0.003	0.005	0.531	0.001	35.701	TRUE	2.38E-08
FEV1	TNFSF10	rs17600346	C	T	-0.169	0.021	0.037	1.55E-15	0.001	0.006	0.841	0.002	63.562	TRUE	2.60E-14
FEV1	TNFSF10	rs231988	T	C	-0.118	0.012	0.133	8.35E-24	0.000	0.004	0.976	0.003	101.186	TRUE	4.04E-22
FEV1	TNFSF10	rs232009	A	G	0.096	0.009	0.400	7.75E-28	0.003	0.002	0.304	0.004	119.589	TRUE	1.34E-24
FEV1	TNFSF10	rs234050	G	T	0.047	0.008	0.394	6.89E-09	0.005	0.002	0.057	0.001	33.564	TRUE	4.02E-07
FEV1	TNFSF10	rs3181140	A	G	0.184	0.008	0.325	1.14E-104	0.006	0.003	0.024	0.015	472.040	TRUE	3.17E-91
FEV1	TNFSF10	rs57668955	G	A	-0.069	0.012	0.125	9.81E-09	-0.011	0.004	0.003	0.001	32.877	TRUE	2.62E-06
FEV1	TNFSF10	rs78298361	C	A	0.205	0.023	0.037	3.04E-19	0.001	0.007	0.856	0.003	80.406	TRUE	9.66E-18
FEV1	TNFSF10	rs79204749	C	A	0.227	0.037	0.015	5.62E-10	0.003	0.010	0.806	0.001	38.445	TRUE	3.64E-09
FEV1	TNFSF10	rs79224291	T	C	-0.240	0.035	0.018	7.49E-12	-0.003	0.009	0.787	0.001	46.892	TRUE	7.16E-11
FEV1	TP53	rs1642795	C	T	-0.066	0.012	0.135	1.47E-08	0.004	0.004	0.293	0.001	32.090	TRUE	2.40E-07
FEV1	TP53	rs35850753	T	C	-0.251	0.027	0.025	4.04E-21	0.033	0.008	9.37E-05	0.003	88.949	TRUE	1.15E-15
FEV1	TP53INP1	rs10100688	A	G	-0.072	0.011	0.147	1.16E-10	-0.005	0.003	0.155	0.001	41.530	TRUE	6.32E-09
FEV1	TP53INP1	rs112780027	G	A	-0.187	0.031	0.020	1.18E-09	0.003	0.007	0.643	0.001	37.001	TRUE	1.02E-08
FEV1	TP53INP1	rs112986157	C	T	-0.116	0.011	0.189	1.86E-26	0.004	0.003	0.186	0.004	113.285	TRUE	5.18E-23
FEV1	TP53INP1	rs11779347	A	G	0.126	0.010	0.194	8.47E-36	0.001	0.003	0.653	0.005	155.989	TRUE	1.33E-32
FEV1	TP53INP1	rs11782625	G	A	0.134	0.014	0.085	5.26E-21	-0.013	0.004	0.003	0.003	88.426	TRUE	1.80E-16
FEV1	TP53INP1	rs11985227	C	T	-0.126	0.018	0.055	6.46E-12	0.001	0.005	0.859	0.001	47.183	TRUE	5.29E-11
FEV1	TP53INP1	rs11986922	G	A	0.065	0.008	0.449	2.46E-16	-0.002	0.002	0.354	0.002	67.190	TRUE	2.18E-14
FEV1	TP53INP1	rs13264488	T	C	-0.140	0.015	0.079	2.73E-21	0.002	0.004	0.618	0.003	89.721	TRUE	2.75E-19

FEV1	TP53INP1	rs141567355	T	C	0.132	0.017	0.058	1.23E-14	-0.002	0.005	0.762	0.002	59.487	TRUE	2.15E-13
FEV1	TP53INP1	rs146084862	A	G	-0.222	0.037	0.017	2.99E-09	0.027	0.009	0.004	0.001	35.189	TRUE	7.94E-07
FEV1	TP53INP1	rs146827734	T	G	0.190	0.031	0.022	9.25E-10	-0.004	0.009	0.637	0.001	37.474	TRUE	8.25E-09
FEV1	TP53INP1	rs17666409	T	G	0.171	0.018	0.056	5.55E-22	-0.003	0.005	0.616	0.003	92.877	TRUE	6.59E-20
FEV1	TP53INP1	rs2470748	G	A	-0.074	0.010	0.214	2.46E-14	0.002	0.003	0.515	0.002	58.119	TRUE	8.14E-13
FEV1	TP53INP1	rs2678822	G	A	0.085	0.008	0.334	3.52E-24	0.004	0.003	0.080	0.003	102.894	TRUE	1.50E-20
FEV1	TP53INP1	rs28756805	A	G	-0.185	0.028	0.025	5.30E-11	0.015	0.006	0.020	0.001	43.060	TRUE	1.28E-08
FEV1	TP53INP1	rs36072239	G	A	0.046	0.008	0.464	8.75E-09	-0.001	0.002	0.764	0.001	33.100	TRUE	4.81E-08
FEV1	TP53INP1	rs62523074	T	C	0.158	0.026	0.026	1.02E-09	-0.004	0.008	0.633	0.001	37.288	TRUE	9.02E-09
FEV1	TP53INP1	rs6471493	A	G	0.077	0.011	0.142	1.33E-11	0.001	0.003	0.707	0.001	45.773	TRUE	1.51E-10
FEV1	TP53INP1	rs6987762	G	A	0.139	0.008	0.377	4.34E-65	-0.004	0.002	0.134	0.009	290.255	TRUE	2.12E-57
FEV1	TP53INP1	rs71504378	G	T	0.091	0.011	0.143	1.04E-15	-0.008	0.003	0.012	0.002	64.345	TRUE	2.07E-12
FEV1	TP53INP1	rs72676963	T	C	-0.209	0.031	0.020	1.51E-11	0.005	0.008	0.542	0.001	45.516	TRUE	2.50E-10
FEV1	TP53INP1	rs72679210	G	A	-0.188	0.015	0.074	1.91E-34	0.002	0.004	0.616	0.005	149.799	TRUE	2.68E-31
FEV1	TP53INP1	rs72679223	C	T	-0.142	0.019	0.056	1.75E-13	-0.005	0.007	0.462	0.002	54.261	TRUE	5.68E-12
FEV1	TP53INP1	rs77581564	G	A	0.165	0.021	0.039	9.86E-15	0.016	0.006	0.011	0.002	59.919	TRUE	1.37E-11
FEV1	TP53INP1	rs7815731	C	G	-0.058	0.008	0.401	1.06E-12	-0.003	0.003	0.315	0.002	50.723	TRUE	4.61E-11
FEV1	TP53INP1	rs7844932	G	A	0.110	0.009	0.245	6.32E-33	-0.012	0.003	2.76E-05	0.004	142.846	TRUE	3.60E-25
FEV1	TP53INP1	rs79293755	A	G	0.180	0.025	0.027	1.61E-12	0.007	0.007	0.299	0.002	49.908	TRUE	7.21E-11
FEV1	TP53INP1	rs80086542	A	G	0.071	0.011	0.164	3.93E-11	-0.003	0.003	0.438	0.001	43.645	TRUE	8.02E-10
FEV1	TP53INP2	rs137942933	T	G	-0.205	0.033	0.022	5.84E-10	0.021	0.008	0.007	0.001	38.371	TRUE	1.62E-07
FEV1	TP53INP2	rs1884432	T	C	-0.192	0.011	0.166	1.31E-72	0.008	0.003	0.007	0.010	324.766	TRUE	8.74E-62
FEV1	TP53INP2	rs6088578	T	C	0.090	0.008	0.351	1.75E-27	-0.001	0.002	0.794	0.004	117.976	TRUE	3.02E-25
FEV1	TP53INP2	rs74557169	A	G	-0.200	0.027	0.023	3.06E-13	-0.009	0.007	0.226	0.002	53.164	TRUE	2.22E-11
FEV1	TP63	rs13097576	G	A	0.063	0.011	0.282	6.50E-09	-0.002	0.003	0.397	0.001	33.677	TRUE	8.58E-08
FEV1	TP63	rs16864619	G	A	-0.195	0.019	0.070	2.81E-24	-0.010	0.005	0.047	0.003	103.341	TRUE	2.50E-20
FEV1	TP63	rs1920235	A	G	-0.059	0.010	0.391	8.96E-09	-0.001	0.002	0.649	0.001	33.054	TRUE	6.33E-08
FEV1	TP63	rs4404437	C	A	0.064	0.010	0.430	1.53E-10	0.001	0.003	0.769	0.001	40.993	TRUE	1.16E-09
FEV1	TP63	rs79692229	A	G	-0.104	0.014	0.148	2.82E-14	-0.002	0.003	0.561	0.002	57.851	TRUE	7.87E-13
FEV1	TRADD	rs139302021	C	T	-0.498	0.037	0.018	3.36E-42	0.033	0.010	4.78E-04	0.006	185.296	TRUE	5.77E-34
FEV1	TRADD	rs16957040	T	C	-0.221	0.031	0.022	4.48E-13	0.010	0.008	0.215	0.002	52.417	TRUE	3.29E-11
FEV1	TRADD	rs192622251	G	A	-0.323	0.039	0.026	1.33E-16	-0.012	0.013	0.362	0.002	68.402	TRUE	1.23E-14
FEV1	TRADD	rs255056	C	G	-0.071	0.011	0.151	1.90E-10	-0.003	0.003	0.376	0.001	40.562	TRUE	3.86E-09
FEV1	TRADD	rs363154	T	G	-0.054	0.008	0.459	2.33E-11	0.000	0.002	0.904	0.001	44.665	TRUE	1.58E-10
FEV1	TRADD	rs61735427	T	C	-0.185	0.032	0.020	7.83E-09	-0.011	0.009	0.248	0.001	33.314	TRUE	1.58E-07
FEV1	TRADD	rs7200919	A	G	-0.098	0.008	0.432	1.62E-34	0.006	0.002	0.018	0.005	150.122	TRUE	7.87E-29
FEV1	TRADD	rs78154682	A	G	-0.049	0.009	0.391	4.63E-08	-0.003	0.002	0.208	0.001	29.864	TRUE	8.61E-07
FEV1	TRADD	rs8053912	G	A	-0.509	0.015	0.079	2.59E-265	0.009	0.004	0.034	0.037	1210.834	TRUE	1.24E-234
FEV1	TRADD	rs8061994	A	G	-0.078	0.011	0.153	3.37E-12	0.000	0.003	0.972	0.002	48.456	TRUE	2.22E-11
FEV1	TRIM8	rs111496314	A	G	0.213	0.032	0.017	2.29E-11	-0.010	0.009	0.250	0.001	44.702	TRUE	9.30E-10
FEV1	TRIM8	rs111604275	T	C	0.163	0.021	0.048	4.59E-15	-0.004	0.006	0.487	0.002	61.424	TRUE	1.91E-13
FEV1	TRIM8	rs11191296	C	G	-0.140	0.012	0.120	1.98E-29	-0.001	0.004	0.850	0.004	126.859	TRUE	4.25E-27

FEV1	TRIM8	rs11593244	C	T	-0.057	0.009	0.334	3.07E-11	-0.005	0.003	0.049	0.001	44.129	TRUE	4.28E-09
FEV1	TRIM8	rs11595170	T	C	-0.236	0.008	0.441	2.13E-191	0.006	0.002	0.007	0.027	870.796	TRUE	3.88E-167
FEV1	TRIM8	rs117169851	A	G	-0.146	0.023	0.031	4.23E-10	0.013	0.006	0.029	0.001	39.002	TRUE	6.15E-08
FEV1	TRIM8	rs117793008	G	A	-0.121	0.017	0.057	4.18E-12	0.006	0.005	0.220	0.002	48.033	TRUE	2.28E-10
FEV1	TRIM8	rs12572855	T	C	0.240	0.033	0.019	2.56E-13	-0.002	0.011	0.823	0.002	53.517	TRUE	2.94E-12
FEV1	TRIM8	rs12765060	A	G	0.184	0.032	0.021	8.56E-09	-0.005	0.006	0.403	0.001	33.141	TRUE	1.08E-07
FEV1	TRIM8	rs139834723	A	G	-0.200	0.028	0.027	5.96E-13	-0.012	0.007	0.082	0.002	51.857	TRUE	1.05E-10
FEV1	TRIM8	rs140353411	T	C	-0.160	0.025	0.029	1.71E-10	-0.002	0.007	0.761	0.001	40.771	TRUE	1.32E-09
FEV1	TRIM8	rs150201993	A	G	-0.190	0.033	0.020	6.66E-09	0.009	0.007	0.211	0.001	33.631	TRUE	1.58E-07
FEV1	TRIM8	rs1572530	A	G	-0.062	0.010	0.229	9.71E-11	0.006	0.003	0.027	0.001	41.876	TRUE	1.82E-08
FEV1	TRIM8	rs3014187	A	G	-0.071	0.010	0.213	5.51E-13	-0.001	0.003	0.815	0.002	52.010	TRUE	6.21E-12
FEV1	TRIM8	rs35756290	A	G	0.144	0.009	0.285	2.96E-59	0.003	0.003	0.342	0.008	263.486	TRUE	3.94E-53
FEV1	TRIM8	rs4917389	T	C	0.118	0.012	0.143	1.14E-24	-0.002	0.003	0.548	0.003	105.138	TRUE	3.00E-22
FEV1	TRIM8	rs55932369	T	C	-0.170	0.021	0.049	3.29E-16	0.003	0.007	0.626	0.002	66.617	TRUE	1.14E-14
FEV1	TRIM8	rs55994728	T	A	-0.099	0.010	0.202	1.48E-22	0.003	0.003	0.328	0.003	95.494	TRUE	6.20E-20
FEV1	TRIM8	rs7086205	C	T	0.102	0.011	0.150	1.15E-19	-0.001	0.003	0.874	0.003	82.321	TRUE	3.70E-18
FEV1	TRIM8	rs75779120	A	G	0.130	0.017	0.059	3.28E-14	-0.005	0.005	0.364	0.002	57.556	TRUE	1.70E-12
FEV1	TRIM8	rs76698826	G	A	0.131	0.022	0.034	4.66E-09	0.004	0.007	0.557	0.001	34.324	TRUE	4.23E-08
FEV1	TRIM8	rs78837000	T	C	0.171	0.028	0.027	1.00E-09	0.015	0.008	0.060	0.001	37.315	TRUE	7.81E-08
FEV1	TRPM7	rs117126370	T	C	0.170	0.028	0.026	1.02E-09	-0.013	0.007	0.070	0.001	37.276	TRUE	7.27E-08
FEV1	TRPM7	rs12593342	A	G	0.067	0.010	0.229	1.44E-12	0.000	0.003	0.868	0.002	50.132	TRUE	1.26E-11
FEV1	TRPM7	rs3886394	T	A	-0.077	0.012	0.143	2.95E-11	0.004	0.003	0.262	0.001	44.207	TRUE	1.10E-09
FEV1	TRPM7	rs57268282	A	C	-0.132	0.010	0.485	2.16E-40	0.005	0.002	0.040	0.006	177.016	TRUE	2.15E-34
FEV1	TRPM7	rs7173321	G	C	-0.100	0.013	0.098	1.08E-13	0.007	0.004	0.051	0.002	55.213	TRUE	3.35E-11
FEV1	UCHL1	rs10019432	C	T	-0.051	0.008	0.356	1.13E-09	0.001	0.003	0.847	0.001	37.083	TRUE	6.38E-09
FEV1	UCHL1	rs11733956	A	G	0.102	0.016	0.068	2.50E-10	0.004	0.005	0.397	0.001	40.026	TRUE	4.57E-09
FEV1	UCHL1	rs13102133	G	C	0.097	0.011	0.155	2.86E-18	-0.008	0.003	0.009	0.002	75.978	TRUE	1.67E-14
FEV1	UCHL1	rs13107512	G	A	0.083	0.014	0.097	1.45E-09	-0.001	0.004	0.762	0.001	36.603	TRUE	9.54E-09
FEV1	UCHL1	rs4861090	T	G	0.049	0.008	0.371	5.05E-09	0.000	0.002	0.945	0.001	34.167	TRUE	2.11E-08
FEV1	UFL1	rs12214839	G	A	-0.064	0.010	0.294	4.22E-11	-0.006	0.003	0.017	0.001	43.505	TRUE	1.19E-08
FEV1	UFL1	rs4839850	T	C	-0.074	0.011	0.196	4.68E-11	-0.001	0.003	0.818	0.001	43.304	TRUE	3.67E-10
FEV1	UFL1	rs6938549	A	G	0.083	0.011	0.215	1.09E-14	0.002	0.003	0.424	0.002	59.724	TRUE	5.05E-13
FEV1	UFL1	rs76399897	A	G	0.217	0.022	0.045	7.90E-24	0.014	0.006	0.011	0.003	101.294	TRUE	2.19E-19
FEV1	UFL1	rs9372112	A	C	0.148	0.025	0.035	4.19E-09	0.008	0.007	0.208	0.001	34.532	TRUE	1.07E-07
FEV1	UFL1	rs9386528	A	G	0.181	0.009	0.318	4.42E-82	0.005	0.003	0.048	0.011	368.261	TRUE	1.29E-71
FEV1	UNC13D	rs113062332	A	G	-0.151	0.024	0.032	1.40E-10	0.002	0.007	0.799	0.001	41.160	TRUE	1.03E-09
FEV1	UNC13D	rs146775727	T	C	-0.199	0.036	0.018	3.69E-08	-0.009	0.009	0.270	0.001	30.305	TRUE	5.77E-07
FEV1	UNC13D	rs147677775	A	G	-0.253	0.025	0.027	2.18E-24	0.001	0.007	0.914	0.003	103.842	TRUE	1.47E-22
FEV1	UNC13D	rs2244377	A	G	-0.090	0.009	0.317	4.87E-26	0.004	0.003	0.162	0.004	111.380	TRUE	1.46E-22
FEV1	UNC13D	rs2290769	C	G	-0.244	0.010	0.200	4.28E-135	0.006	0.003	0.022	0.019	611.883	TRUE	3.20E-118
FEV1	UNC13D	rs2305347	T	C	-0.063	0.011	0.166	6.07E-09	0.003	0.003	0.314	0.001	33.810	TRUE	1.01E-07
FEV1	UNC13D	rs2444842	A	G	-0.079	0.012	0.183	3.46E-11	0.006	0.003	0.076	0.001	43.893	TRUE	3.59E-09

FEV1	UNC13D	rs55853884	T	C	0.117	0.021	0.042	2.60E-08	0.007	0.006	0.266	0.001	30.983	TRUE	4.34E-07
FEV1	UNC13D	rs9915313	T	G	-0.071	0.011	0.259	1.56E-10	0.007	0.003	0.004	0.001	40.947	TRUE	7.15E-08
FEV1	UNC13D	rs9916685	A	G	0.258	0.019	0.050	6.54E-41	0.006	0.006	0.287	0.006	179.394	TRUE	2.35E-36
FEV1	UNC5B	rs117982032	G	T	0.319	0.032	0.024	5.64E-23	-0.001	0.007	0.951	0.003	97.403	TRUE	2.62E-21
FEV1	UNC5B	rs1341614	A	G	-0.058	0.010	0.176	2.77E-08	-0.004	0.003	0.177	0.001	30.859	TRUE	6.28E-07
FEV1	UNC5B	rs147819437	C	A	-0.132	0.016	0.086	1.10E-16	0.001	0.004	0.858	0.002	68.783	TRUE	2.18E-15
FEV1	UNC5B	rs1538894	A	G	-0.084	0.014	0.113	6.39E-10	0.000	0.004	0.955	0.001	38.198	TRUE	2.97E-09
FEV1	UNC5B	rs16928560	A	G	-0.107	0.011	0.187	1.94E-22	0.003	0.003	0.280	0.003	94.960	TRUE	1.11E-19
FEV1	UNC5B	rs61851261	A	G	0.186	0.020	0.043	7.29E-21	-0.007	0.006	0.247	0.003	87.780	TRUE	3.25E-18
FEV1	UNC5B	rs61852795	G	A	0.153	0.013	0.147	3.70E-32	-0.003	0.003	0.398	0.004	139.340	TRUE	9.65E-29
FEV1	UNC5B	rs68072991	G	T	0.156	0.023	0.033	2.88E-11	0.000	0.006	0.993	0.001	44.257	TRUE	1.58E-10
FEV1	UNC5B	rs72810312	T	C	0.236	0.020	0.063	1.32E-32	-0.002	0.005	0.695	0.004	141.387	TRUE	8.94E-30
FEV1	UNC5B	rs74144928	C	A	0.105	0.019	0.053	4.20E-08	-0.007	0.005	0.192	0.001	30.055	TRUE	8.47E-07
FEV1	UNC5B	rs74892899	T	G	0.145	0.023	0.043	3.92E-10	-0.006	0.005	0.284	0.001	39.147	TRUE	9.73E-09
FEV1	UNC5B	rs79151165	T	C	-0.158	0.014	0.121	3.91E-29	0.006	0.004	0.095	0.004	125.517	TRUE	5.24E-25
FEV1	UNC5B	rs79416409	T	G	0.262	0.023	0.036	1.87E-29	-0.009	0.006	0.128	0.004	126.978	TRUE	1.83E-25
FEV1	UNC5B	rs80146101	A	G	0.271	0.037	0.020	1.17E-13	-0.017	0.008	0.033	0.002	55.047	TRUE	5.26E-11
FEV1	UNC5B	rs9732438	G	T	0.378	0.009	0.333	0.00E+00	-0.008	0.003	7.78E-04	0.054	1807.819	TRUE	0.00E+00
FEV1	USP36	rs112784155	A	G	0.182	0.025	0.034	1.28E-13	0.003	0.008	0.671	0.002	54.878	TRUE	2.30E-12
FEV1	USP36	rs113094786	T	C	0.378	0.033	0.020	1.64E-30	0.011	0.009	0.200	0.004	131.814	TRUE	1.04E-26
FEV1	USP36	rs113586045	A	C	-0.268	0.047	0.015	1.17E-08	-0.015	0.010	0.140	0.001	32.529	TRUE	3.56E-07
FEV1	USP36	rs113714450	A	G	-0.116	0.012	0.134	3.99E-23	-0.007	0.003	0.025	0.003	98.087	TRUE	4.62E-19
FEV1	USP36	rs114592332	T	C	0.450	0.044	0.014	4.37E-24	-0.002	0.010	0.822	0.003	102.469	TRUE	3.70E-22
FEV1	USP36	rs116461002	A	G	0.143	0.020	0.047	1.98E-12	0.003	0.005	0.626	0.002	49.497	TRUE	3.19E-11
FEV1	USP36	rs11652251	A	G	-0.383	0.009	0.266	0.00E+00	-0.001	0.003	0.799	0.057	1915.161	TRUE	0.00E+00
FEV1	USP36	rs11653708	A	T	0.274	0.011	0.191	2.37E-141	0.001	0.003	0.739	0.020	640.649	TRUE	2.86E-129
FEV1	USP36	rs116897527	A	G	-0.391	0.040	0.014	4.02E-23	-0.017	0.011	0.115	0.003	98.075	TRUE	8.78E-20
FEV1	USP36	rs117765873	A	G	-0.483	0.017	0.059	2.71E-179	-0.002	0.005	0.680	0.025	815.120	TRUE	1.63E-163
FEV1	USP36	rs117781742	T	G	-0.640	0.023	0.036	2.11E-167	-0.001	0.007	0.840	0.023	760.429	TRUE	2.06E-153
FEV1	USP36	rs117888017	C	T	0.410	0.069	0.015	2.78E-09	0.008	0.012	0.525	0.001	35.331	TRUE	2.88E-08
FEV1	USP36	rs117946159	T	C	0.342	0.052	0.019	3.73E-11	-0.007	0.011	0.539	0.001	43.747	TRUE	5.72E-10
FEV1	USP36	rs12325862	T	C	0.216	0.022	0.048	1.13E-22	-0.006	0.007	0.397	0.003	96.034	TRUE	3.63E-20
FEV1	USP36	rs12453433	A	G	0.149	0.008	0.338	1.60E-69	0.004	0.003	0.150	0.010	310.601	TRUE	1.68E-61
FEV1	USP36	rs12936377	A	G	-0.148	0.027	0.025	3.86E-08	0.003	0.007	0.658	0.001	30.217	TRUE	2.32E-07
FEV1	USP36	rs12936828	T	C	-0.179	0.017	0.062	8.78E-25	-0.007	0.005	0.154	0.003	105.647	TRUE	2.15E-21
FEV1	USP36	rs1374	T	C	-0.180	0.028	0.035	1.63E-10	0.018	0.007	0.007	0.001	40.868	TRUE	5.85E-08
FEV1	USP36	rs138013298	C	T	-0.348	0.040	0.015	2.74E-18	-0.018	0.010	0.069	0.002	76.065	TRUE	2.83E-15
FEV1	USP36	rs140002452	A	G	0.368	0.052	0.015	2.04E-12	0.010	0.012	0.388	0.002	49.440	TRUE	6.48E-11
FEV1	USP36	rs140290111	A	G	0.531	0.046	0.014	1.62E-30	-0.001	0.016	0.968	0.004	131.837	TRUE	2.65E-28
FEV1	USP36	rs140442353	C	T	0.722	0.099	0.015	2.96E-13	-0.024	0.014	0.083	0.002	53.228	TRUE	5.65E-11
FEV1	USP36	rs141521026	T	C	0.621	0.036	0.018	6.47E-67	-0.004	0.011	0.720	0.009	298.634	TRUE	3.03E-61
FEV1	USP36	rs143665684	A	G	0.313	0.030	0.021	4.72E-25	-0.005	0.008	0.525	0.003	106.876	TRUE	1.44E-22

FEV1	USP36	rs143701541	T	G	0.260	0.026	0.027	2.99E-24	0.007	0.007	0.305	0.003	103.219	TRUE	2.18E-21
FEV1	USP36	rs145139967	G	A	0.296	0.037	0.016	5.84E-16	-0.009	0.010	0.333	0.002	65.486	TRUE	5.29E-14
FEV1	USP36	rs150390217	T	C	0.385	0.039	0.021	9.53E-23	0.018	0.009	0.044	0.003	96.364	TRUE	5.60E-19
FEV1	USP36	rs16971662	T	C	-0.420	0.050	0.016	6.22E-17	-0.015	0.010	0.138	0.002	69.902	TRUE	2.13E-14
FEV1	USP36	rs35820493	A	G	0.275	0.025	0.035	1.88E-28	0.003	0.006	0.665	0.004	122.400	TRUE	6.55E-26
FEV1	USP36	rs4239273	T	C	-0.413	0.011	0.165	0.00E+00	-0.006	0.003	0.053	0.046	1535.005	TRUE	4.59E-298
FEV1	USP36	rs4789914	C	T	-0.124	0.017	0.059	8.48E-13	0.000	0.005	0.939	0.002	51.165	TRUE	6.77E-12
FEV1	USP36	rs4796821	A	G	-0.072	0.011	0.177	1.86E-10	-0.004	0.003	0.182	0.001	40.610	TRUE	7.71E-09
FEV1	USP36	rs55840510	T	C	-0.605	0.099	0.013	1.05E-09	0.020	0.010	0.057	0.001	37.220	TRUE	8.64E-08
FEV1	USP36	rs57816430	A	G	-0.163	0.024	0.029	1.34E-11	0.005	0.008	0.541	0.001	45.752	TRUE	2.24E-10
FEV1	USP36	rs62074431	A	G	0.279	0.022	0.042	7.93E-36	-0.005	0.005	0.322	0.005	156.120	TRUE	7.34E-32
FEV1	USP36	rs62076467	A	G	0.164	0.022	0.062	5.00E-14	0.003	0.004	0.533	0.002	56.728	TRUE	1.49E-12
FEV1	USP36	rs67046441	C	A	0.167	0.016	0.096	3.14E-26	0.001	0.004	0.872	0.004	112.248	TRUE	3.45E-24
FEV1	USP36	rs7209655	T	C	0.314	0.008	0.345	0.00E+00	0.004	0.003	0.085	0.043	1437.833	TRUE	2.71E-280
FEV1	USP36	rs7212244	A	G	0.214	0.016	0.075	1.64E-43	0.012	0.004	0.002	0.006	191.306	TRUE	1.03E-35
FEV1	USP36	rs7220871	T	C	-0.049	0.008	0.338	7.05E-09	0.002	0.003	0.329	0.001	33.520	TRUE	1.08E-07
FEV1	USP36	rs72848533	A	G	-0.135	0.014	0.085	4.85E-21	-0.004	0.004	0.382	0.003	88.587	TRUE	1.18E-18
FEV1	USP36	rs72848580	T	C	0.405	0.032	0.024	2.74E-37	0.009	0.007	0.213	0.005	162.807	TRUE	7.85E-33
FEV1	USP36	rs72849504	T	C	0.497	0.012	0.139	0.00E+00	0.004	0.003	0.221	0.051	1711.734	TRUE	0.00E+00
FEV1	USP36	rs7406652	T	C	0.095	0.009	0.434	8.41E-28	0.004	0.002	0.080	0.004	119.427	TRUE	1.03E-23
FEV1	USP36	rs77154538	G	A	-0.578	0.031	0.018	4.75E-77	0.000	0.008	0.986	0.011	345.156	TRUE	3.01E-71
FEV1	USP36	rs8075997	A	G	0.161	0.018	0.062	9.28E-19	0.011	0.006	0.055	0.002	78.201	TRUE	1.38E-15
FEV1	USP36	rs8078042	A	G	-0.397	0.025	0.028	3.20E-57	-0.001	0.007	0.878	0.008	254.156	TRUE	9.83E-53
FEV1	USP36	rs9891726	T	C	-0.136	0.014	0.092	5.45E-23	0.001	0.004	0.861	0.003	97.470	TRUE	3.39E-21
FEV1	USP36	rs9895583	G	A	-0.074	0.010	0.305	2.40E-13	0.004	0.003	0.199	0.002	53.646	TRUE	2.12E-11
FEV1	USP36	rs9896857	G	A	-0.062	0.010	0.191	8.85E-10	-0.001	0.003	0.747	0.001	37.559	TRUE	6.33E-09
FEV1	USP36	rs9901429	G	A	-0.249	0.016	0.082	7.07E-58	0.007	0.005	0.107	0.008	257.161	TRUE	1.05E-50
FEV1	WDR81	rs117830091	T	C	-0.410	0.060	0.016	1.26E-11	0.001	0.010	0.957	0.001	45.879	TRUE	7.88E-11
FEV1	WDR81	rs12150338	T	C	-0.222	0.018	0.095	1.46E-36	0.001	0.004	0.904	0.005	159.482	TRUE	9.00E-34
FEV1	WDR81	rs12951668	T	C	-0.282	0.030	0.026	6.70E-21	-0.007	0.007	0.315	0.003	87.949	TRUE	2.09E-18
FEV1	WDR81	rs149305654	G	A	0.201	0.028	0.028	4.58E-13	0.005	0.008	0.511	0.002	52.374	TRUE	1.14E-11
FEV1	WDR81	rs17292224	G	A	0.104	0.009	0.273	1.05E-30	0.005	0.003	0.102	0.004	132.701	TRUE	2.03E-26
FEV1	WDR81	rs17339284	A	G	0.078	0.010	0.249	1.40E-15	0.002	0.003	0.471	0.002	63.762	TRUE	6.86E-14
FEV1	WDR81	rs58697961	A	G	0.362	0.008	0.365	0.00E+00	0.009	0.002	2.55E-04	0.059	1973.561	TRUE	0.00E+00
FEV1	WDR81	rs60597411	A	G	-0.063	0.010	0.207	1.68E-10	-0.002	0.003	0.491	0.001	40.804	TRUE	2.62E-09
FEV1	WDR81	rs62067508	G	A	-0.146	0.009	0.285	1.01E-59	-0.004	0.003	0.095	0.008	265.622	TRUE	3.12E-52
FEV1	WDR81	rs62090048	C	T	0.131	0.010	0.298	2.70E-38	0.002	0.003	0.549	0.005	167.418	TRUE	1.14E-34
FEV1	WDR81	rs7208143	T	G	-0.073	0.011	0.277	6.75E-12	-0.001	0.003	0.707	0.001	47.095	TRUE	8.03E-11
FEV1	WDR81	rs72822424	C	T	0.209	0.029	0.056	9.27E-13	-0.007	0.005	0.183	0.002	50.991	TRUE	7.57E-11
FEV1	WDR81	rs72822471	C	T	-0.217	0.026	0.030	3.87E-17	-0.015	0.006	0.013	0.002	70.838	TRUE	1.06E-13
FEV1	WDR81	rs7501615	A	G	-0.075	0.012	0.205	1.31E-10	-0.005	0.003	0.081	0.001	41.294	TRUE	1.13E-08
FEV1	WDR81	rs7503021	A	G	0.209	0.018	0.052	6.81E-30	0.009	0.005	0.066	0.004	128.982	TRUE	1.84E-25

FEV1	WDR81	rs80050626	T	C	-0.148	0.018	0.067	8.43E-16	-0.007	0.004	0.102	0.002	64.763	TRUE	2.74E-13
FEV1	WDR81	rs80309789	T	C	0.302	0.036	0.021	5.40E-17	0.006	0.007	0.434	0.002	70.179	TRUE	4.12E-15
FEV1	WDR81	rs9674774	A	G	0.106	0.011	0.438	2.70E-22	0.004	0.003	0.172	0.003	94.301	TRUE	2.75E-19
FEV1	ZBP1	rs6025673	A	G	-0.393	0.018	0.049	1.56E-101	0.014	0.006	0.015	0.014	457.625	TRUE	6.31E-88
FEV1	ZBP1	rs6070187	A	G	-0.107	0.008	0.344	1.58E-37	0.000	0.003	0.999	0.005	163.906	TRUE	7.70E-35
FEV1	ZDHHC3	rs4683019	C	T	0.100	0.008	0.426	2.47E-35	-0.006	0.002	0.017	0.005	153.859	TRUE	1.83E-29
FEV1	ZDHHC3	rs6768893	C	T	-0.059	0.010	0.229	5.48E-10	0.005	0.003	0.084	0.001	38.497	TRUE	3.80E-08
FEV1	ZDHHC3	rs72864837	T	G	0.093	0.016	0.065	1.49E-08	-0.003	0.005	0.515	0.001	32.059	TRUE	1.36E-07
FEV1	ZDHHC3	rs75289188	T	C	0.100	0.016	0.070	2.68E-10	-0.001	0.004	0.888	0.001	39.894	TRUE	1.53E-09
FEV1	ZDHHC3	rs9846155	G	A	-0.052	0.008	0.490	1.01E-10	0.003	0.002	0.202	0.001	41.793	TRUE	4.40E-09
FEV1	ZEB1	rs9417869	A	G	-0.071	0.009	0.249	4.66E-14	-0.006	0.003	0.029	0.002	56.863	TRUE	2.65E-11
FEV1FVC	ABCB9	rs10846525	T	C	0.052	0.008	0.456	1.10E-10	-0.004	0.002	0.116	0.001	41.641	TRUE	7.41E-09
FEV1FVC	ABCB9	rs11057405	A	G	-0.085	0.015	0.084	4.82E-09	0.006	0.004	0.154	0.001	34.260	TRUE	1.51E-07
FEV1FVC	ABCB9	rs111835289	G	A	0.120	0.019	0.051	3.01E-10	0.006	0.006	0.304	0.001	39.667	TRUE	7.41E-09
FEV1FVC	ABCB9	rs11608811	A	G	0.290	0.009	0.301	5.43E-251	-0.006	0.003	0.020	0.035	1144.945	TRUE	3.97E-221
FEV1FVC	ABCB9	rs117913606	A	G	-0.149	0.018	0.065	2.66E-16	0.001	0.004	0.882	0.002	67.032	TRUE	4.59E-15
FEV1FVC	ABCB9	rs12810157	A	G	0.283	0.029	0.027	3.66E-22	-0.012	0.007	0.090	0.003	93.700	TRUE	8.75E-19
FEV1FVC	ABCB9	rs12816396	T	A	0.089	0.011	0.165	2.22E-16	-0.001	0.003	0.704	0.002	67.397	TRUE	6.28E-15
FEV1FVC	ABCB9	rs1662	A	G	-0.099	0.008	0.370	5.02E-33	0.003	0.002	0.160	0.005	143.305	TRUE	8.87E-29
FEV1FVC	ABCB9	rs2154	G	A	0.192	0.016	0.075	4.44E-33	-0.007	0.004	0.082	0.005	143.550	TRUE	2.11E-28
FEV1FVC	ABCB9	rs28873419	G	T	0.181	0.027	0.026	9.00E-12	0.006	0.008	0.491	0.001	46.532	TRUE	1.79E-10
FEV1FVC	ABCB9	rs34484751	C	A	0.326	0.025	0.030	1.13E-39	0.007	0.007	0.341	0.005	173.717	TRUE	2.14E-35
FEV1FVC	ABCB9	rs34944476	T	C	0.078	0.012	0.192	4.39E-11	0.004	0.003	0.219	0.001	43.428	TRUE	1.85E-09
FEV1FVC	ABCB9	rs496911	A	G	-0.067	0.008	0.380	7.53E-16	0.007	0.003	0.005	0.002	64.985	TRUE	2.58E-12
FEV1FVC	ABCB9	rs580063	C	T	0.066	0.010	0.204	2.56E-11	-0.006	0.003	0.039	0.001	44.483	TRUE	4.95E-09
FEV1FVC	ABCB9	rs61953572	C	T	0.111	0.019	0.112	3.09E-09	0.003	0.004	0.495	0.001	35.127	TRUE	3.51E-08
FEV1FVC	ABCB9	rs61955270	A	G	-0.146	0.019	0.053	4.77E-14	0.002	0.005	0.751	0.002	56.821	TRUE	7.47E-13
FEV1FVC	ABCB9	rs7297888	T	C	0.189	0.021	0.044	3.37E-20	-0.014	0.007	0.038	0.003	84.757	TRUE	1.08E-16
FEV1FVC	ABCB9	rs73230058	T	C	-0.129	0.014	0.111	4.16E-21	0.003	0.004	0.439	0.003	88.893	TRUE	8.06E-19
FEV1FVC	ABCB9	rs76573394	T	C	0.302	0.024	0.034	2.08E-35	-0.004	0.007	0.583	0.005	154.201	TRUE	4.13E-32
FEV1FVC	ABCB9	rs77064381	C	T	-0.137	0.018	0.061	3.37E-14	-0.001	0.005	0.898	0.002	57.504	TRUE	3.77E-13
FEV1FVC	ABCB9	rs77983490	A	G	0.328	0.034	0.019	1.84E-21	-0.005	0.008	0.535	0.003	90.503	TRUE	2.61E-19
FEV1FVC	ABCB9	rs7953894	A	C	-0.107	0.008	0.498	1.29E-37	0.003	0.002	0.197	0.005	164.310	TRUE	4.61E-33
FEV1FVC	ABCB9	rs79739600	G	A	-0.086	0.014	0.101	3.62E-10	0.005	0.004	0.210	0.001	39.306	TRUE	1.29E-08
FEV1FVC	ACSF2	rs111454069	T	C	-0.109	0.017	0.059	2.38E-10	-0.001	0.005	0.891	0.001	40.125	TRUE	1.38E-09
FEV1FVC	ACSF2	rs113636322	T	C	0.075	0.014	0.100	2.73E-08	-0.003	0.004	0.435	0.001	30.892	TRUE	2.79E-07
FEV1FVC	ACSF2	rs117311956	C	T	-0.381	0.060	0.013	2.36E-10	0.007	0.011	0.514	0.001	40.140	TRUE	3.17E-09
FEV1FVC	ACSF2	rs17776853	G	A	-0.118	0.010	0.184	1.99E-30	-0.003	0.003	0.331	0.004	131.423	TRUE	4.98E-27
FEV1FVC	ACSF2	rs2079270	T	C	-0.050	0.008	0.440	4.08E-10	0.002	0.002	0.369	0.001	39.070	TRUE	8.06E-09
FEV1FVC	ACSF2	rs2412315	A	G	0.087	0.011	0.150	7.90E-15	0.006	0.004	0.108	0.002	60.356	TRUE	1.97E-12
FEV1FVC	ACSF2	rs55772291	A	G	-0.216	0.014	0.100	2.16E-56	-0.005	0.004	0.193	0.008	250.353	TRUE	6.31E-50
FEV1FVC	ACSF2	rs62059698	G	A	0.077	0.010	0.185	5.69E-14	0.000	0.003	0.972	0.002	56.471	TRUE	5.08E-13

FEV1FVC	ACSF2	rs77582421	C	A	0.201	0.023	0.040	2.44E-18	-0.005	0.007	0.509	0.002	76.292	TRUE	1.95E-16
FEV1FVC	ACSF2	rs8065691	T	C	0.055	0.009	0.481	2.95E-10	-0.005	0.002	0.041	0.001	39.705	TRUE	3.34E-08
FEV1FVC	ACSF2	rs873839	A	G	-0.120	0.010	0.220	1.10E-35	0.000	0.003	0.952	0.005	155.470	TRUE	4.90E-33
FEV1FVC	ACSF2	rs9903959	A	G	-0.085	0.008	0.506	7.39E-27	0.005	0.002	0.050	0.004	115.117	TRUE	1.23E-22
FEV1FVC	ACSL5	rs10885313	G	A	-0.054	0.008	0.475	9.18E-12	0.000	0.002	0.938	0.001	46.493	TRUE	6.18E-11
FEV1FVC	ACSL5	rs11195857	A	G	-0.202	0.010	0.196	7.45E-92	0.001	0.003	0.724	0.013	413.154	TRUE	4.51E-84
FEV1FVC	ACSL5	rs11195908	C	T	0.401	0.009	0.279	0.00E+00	0.000	0.003	0.938	0.064	2156.872	TRUE	0.00E+00
FEV1FVC	ACSL5	rs11195942	T	C	0.335	0.013	0.099	6.56E-142	0.016	0.004	1.64E-05	0.020	643.210	TRUE	1.37E-118
FEV1FVC	ACSL5	rs11195970	C	T	-0.166	0.014	0.093	6.79E-34	-0.001	0.004	0.758	0.005	147.277	TRUE	4.80E-31
FEV1FVC	ACSL5	rs11196007	G	A	-0.096	0.012	0.122	2.58E-15	0.001	0.004	0.752	0.002	62.558	TRUE	5.24E-14
FEV1FVC	ACSL5	rs11196056	G	A	0.072	0.010	0.183	1.69E-12	-0.001	0.003	0.797	0.002	49.806	TRUE	1.74E-11
FEV1FVC	ACSL5	rs112776528	T	C	0.404	0.032	0.021	6.43E-37	0.003	0.009	0.762	0.005	161.113	TRUE	7.82E-34
FEV1FVC	ACSL5	rs11598016	G	A	-0.461	0.029	0.025	1.93E-57	-0.009	0.007	0.216	0.008	255.166	TRUE	5.42E-51
FEV1FVC	ACSL5	rs117301941	A	G	-0.373	0.018	0.054	7.13E-98	0.001	0.005	0.847	0.014	440.805	TRUE	5.98E-90
FEV1FVC	ACSL5	rs117385727	C	T	0.417	0.041	0.014	2.88E-24	0.003	0.008	0.753	0.003	103.296	TRUE	3.18E-22
FEV1FVC	ACSL5	rs117517685	C	G	0.374	0.021	0.037	4.37E-68	-0.001	0.007	0.902	0.010	304.009	TRUE	8.67E-63
FEV1FVC	ACSL5	rs117934655	G	A	0.364	0.023	0.039	6.34E-58	0.000	0.006	0.992	0.008	257.380	TRUE	1.25E-53
FEV1FVC	ACSL5	rs118054232	C	T	-0.318	0.032	0.019	9.68E-23	-0.011	0.009	0.211	0.003	96.332	TRUE	8.55E-20
FEV1FVC	ACSL5	rs12258615	T	C	-0.194	0.011	0.156	6.13E-71	0.001	0.003	0.812	0.010	317.106	TRUE	3.66E-65
FEV1FVC	ACSL5	rs139933346	A	C	-0.411	0.034	0.018	2.82E-34	-0.009	0.008	0.267	0.005	149.021	TRUE	2.59E-30
FEV1FVC	ACSL5	rs144734361	A	C	0.465	0.065	0.014	1.14E-12	-0.018	0.010	0.065	0.002	50.577	TRUE	2.28E-10
FEV1FVC	ACSL5	rs146494196	C	T	-0.444	0.049	0.012	1.39E-19	-0.011	0.012	0.365	0.003	81.955	TRUE	2.57E-17
FEV1FVC	ACSL5	rs146605626	A	G	-0.428	0.040	0.017	2.70E-27	-0.007	0.008	0.400	0.004	117.113	TRUE	2.41E-24
FEV1FVC	ACSL5	rs148053342	A	C	-0.327	0.035	0.017	3.03E-20	-0.014	0.009	0.137	0.003	84.966	TRUE	2.58E-17
FEV1FVC	ACSL5	rs17095534	T	C	0.210	0.017	0.062	7.37E-37	0.009	0.005	0.046	0.005	160.844	TRUE	1.99E-31
FEV1FVC	ACSL5	rs17129769	A	C	0.146	0.024	0.028	2.01E-09	-0.012	0.008	0.139	0.001	35.967	TRUE	7.85E-08
FEV1FVC	ACSL5	rs1926559	C	T	0.204	0.015	0.074	2.22E-41	0.007	0.005	0.153	0.006	181.537	TRUE	3.07E-36
FEV1FVC	ACSL5	rs1926564	G	A	0.330	0.014	0.093	1.15E-131	-0.006	0.004	0.136	0.018	596.123	TRUE	2.53E-117
FEV1FVC	ACSL5	rs2792706	G	A	0.060	0.009	0.277	3.35E-11	0.006	0.003	0.031	0.001	43.959	TRUE	6.62E-09
FEV1FVC	ACSL5	rs35116854	C	A	0.119	0.018	0.059	1.09E-11	0.007	0.005	0.181	0.001	46.161	TRUE	6.59E-10
FEV1FVC	ACSL5	rs36024197	A	G	0.292	0.023	0.041	4.12E-38	0.013	0.006	0.031	0.005	166.575	TRUE	2.92E-32
FEV1FVC	ACSL5	rs41292614	G	A	-0.496	0.023	0.037	1.28E-104	0.003	0.006	0.645	0.015	471.806	TRUE	1.72E-95
FEV1FVC	ACSL5	rs74398911	T	C	-0.199	0.024	0.049	3.81E-16	-0.009	0.005	0.072	0.002	66.327	TRUE	2.02E-13
FEV1FVC	ACSL5	rs74964251	T	C	0.214	0.032	0.020	1.81E-11	-0.005	0.008	0.563	0.001	45.166	TRUE	2.74E-10
FEV1FVC	ACSL5	rs76124550	T	C	0.164	0.028	0.025	6.38E-09	0.016	0.007	0.030	0.001	33.715	TRUE	5.58E-07
FEV1FVC	ACSL5	rs77289361	G	A	-0.412	0.029	0.025	1.74E-45	0.000	0.007	0.986	0.006	200.346	TRUE	3.65E-42
FEV1FVC	ACSL5	rs78083451	C	T	0.228	0.034	0.019	3.02E-11	0.002	0.009	0.858	0.001	44.159	TRUE	2.22E-10
FEV1FVC	ACSL5	rs7893418	G	A	0.115	0.016	0.079	1.37E-13	0.001	0.005	0.788	0.002	54.750	TRUE	1.86E-12
FEV1FVC	ACSL5	rs79784702	T	C	-0.357	0.037	0.019	2.56E-22	0.000	0.010	0.978	0.003	94.411	TRUE	9.59E-21
FEV1FVC	ACSL5	rs80109592	G	A	0.104	0.016	0.071	4.40E-11	-0.004	0.005	0.486	0.001	43.425	TRUE	7.64E-10
FEV1FVC	ACSL5	rs876281	G	A	-0.383	0.008	0.326	0.00E+00	-0.001	0.003	0.610	0.063	2137.335	TRUE	0.00E+00
FEV1FVC	AP1S1	rs10953331	A	G	0.079	0.011	0.154	7.54E-13	0.000	0.003	0.896	0.002	51.394	TRUE	6.60E-12

FEV1FVC	AP1S1	rs117691349	C	A	0.213	0.032	0.020	1.25E-11	0.005	0.008	0.558	0.001	45.892	TRUE	2.00E-10
FEV1FVC	AP1S1	rs2227710	G	A	0.213	0.031	0.021	5.78E-12	-0.002	0.008	0.802	0.001	47.400	TRUE	5.49E-11
FEV1FVC	AP1S1	rs2239538	A	G	0.245	0.011	0.163	1.09E-104	0.010	0.003	0.003	0.015	472.127	TRUE	1.42E-89
FEV1FVC	AP1S1	rs2898568	G	A	-0.084	0.009	0.252	3.80E-20	0.004	0.003	0.162	0.003	84.517	TRUE	2.58E-17
FEV1FVC	AP1S1	rs4729666	T	C	-0.064	0.011	0.207	2.78E-09	-0.006	0.003	0.070	0.001	35.332	TRUE	1.68E-07
FEV1FVC	AP1S1	rs67790667	A	G	0.113	0.017	0.071	1.34E-11	-0.007	0.006	0.253	0.001	45.755	TRUE	5.74E-10
FEV1FVC	AP1S1	rs6960098	A	G	0.111	0.019	0.054	6.31E-09	0.005	0.005	0.306	0.001	33.735	TRUE	1.07E-07
FEV1FVC	ARF1	rs1188975	T	C	0.097	0.014	0.094	1.85E-12	-0.014	0.004	0.001	0.002	49.632	TRUE	4.02E-09
FEV1FVC	ARF1	rs964941	G	A	0.058	0.008	0.468	3.87E-13	-0.007	0.002	0.003	0.002	52.704	TRUE	5.78E-10
FEV1FVC	ATF3	rs12068875	A	G	0.093	0.014	0.089	2.54E-11	-0.010	0.004	0.018	0.001	44.500	TRUE	7.59E-09
FEV1FVC	ATF3	rs3123535	C	G	-0.109	0.013	0.117	3.47E-18	0.001	0.004	0.862	0.002	75.594	TRUE	8.64E-17
FEV1FVC	ATF3	rs3795837	C	A	0.152	0.013	0.111	2.49E-33	-0.007	0.004	0.046	0.005	144.697	TRUE	2.78E-28
FEV1FVC	ATF3	rs4951454	T	C	0.096	0.010	0.222	1.39E-23	-0.004	0.003	0.180	0.003	100.174	TRUE	1.84E-20
FEV1FVC	ATF3	rs906367	A	G	0.060	0.008	0.357	8.03E-13	-0.004	0.003	0.130	0.002	51.271	TRUE	9.23E-11
FEV1FVC	ATG2B	rs11626765	T	C	-0.148	0.011	0.218	9.58E-41	-0.006	0.003	0.030	0.006	178.634	TRUE	1.40E-34
FEV1FVC	ATG2B	rs17094034	C	T	0.054	0.010	0.290	1.94E-08	-0.001	0.003	0.802	0.001	31.551	TRUE	9.51E-08
FEV1FVC	ATG2B	rs72704859	C	A	0.132	0.016	0.087	8.74E-17	0.004	0.004	0.282	0.002	69.231	TRUE	1.20E-14
FEV1FVC	ATP2A1	rs4149382	G	A	-0.064	0.011	0.292	7.79E-09	0.003	0.003	0.376	0.001	33.326	TRUE	1.02E-07
FEV1FVC	ATP2A1	rs4788101	T	C	0.090	0.008	0.385	3.74E-28	-0.006	0.002	0.017	0.004	121.037	TRUE	2.78E-23
FEV1FVC	ATP2A1	rs74974765	A	G	0.136	0.024	0.055	1.31E-08	0.002	0.005	0.719	0.001	32.317	TRUE	7.86E-08
FEV1FVC	ATP6V0A2	rs11572960	A	C	-0.292	0.038	0.015	1.77E-14	-0.027	0.011	0.010	0.002	58.773	TRUE	2.29E-11
FEV1FVC	ATP6V0A2	rs11609591	A	T	0.109	0.008	0.379	2.05E-40	0.012	0.002	5.60E-07	0.006	177.122	TRUE	2.85E-30
FEV1FVC	ATP6V0A2	rs143928387	T	C	0.093	0.016	0.066	8.70E-09	0.014	0.004	0.001	0.001	33.111	TRUE	3.15E-06
FEV1FVC	ATP6V0A2	rs150792771	A	G	0.282	0.050	0.019	1.68E-08	0.019	0.009	0.047	0.001	31.835	TRUE	1.00E-06
FEV1FVC	ATP6V0A2	rs73416283	A	C	0.321	0.031	0.022	2.13E-25	0.010	0.009	0.260	0.003	108.453	TRUE	2.62E-22
FEV1FVC	ATP6V0A2	rs79684108	C	A	0.197	0.024	0.029	1.48E-16	0.009	0.006	0.160	0.002	68.197	TRUE	3.86E-14
FEV1FVC	ATP6V0A2	rs7969207	T	C	-0.050	0.008	0.489	3.40E-10	-0.007	0.002	0.004	0.001	39.426	TRUE	1.41E-07
FEV1FVC	ATP6V1E2	rs10173790	A	C	0.068	0.009	0.323	5.65E-15	-0.003	0.003	0.325	0.002	61.017	TRUE	3.98E-13
FEV1FVC	ATP6V1E2	rs10176396	T	C	0.103	0.008	0.345	4.62E-35	0.005	0.003	0.056	0.005	152.616	TRUE	6.45E-30
FEV1FVC	ATP6V1E2	rs10203773	T	C	0.310	0.009	0.217	1.13E-233	0.004	0.003	0.181	0.033	1065.276	TRUE	1.81E-209
FEV1FVC	ATP6V1E2	rs10209991	A	G	-0.073	0.008	0.484	2.87E-20	0.002	0.002	0.500	0.003	85.070	TRUE	3.50E-18
FEV1FVC	ATP6V1E2	rs10514803	C	T	-0.046	0.008	0.346	3.65E-08	-0.001	0.003	0.663	0.001	30.327	TRUE	2.21E-07
FEV1FVC	ATP6V1E2	rs11125093	A	G	-0.052	0.008	0.504	3.46E-10	-0.003	0.002	0.282	0.001	39.393	TRUE	9.09E-09
FEV1FVC	ATP6V1E2	rs111883965	G	A	-0.174	0.032	0.018	3.17E-08	0.011	0.009	0.244	0.001	30.597	TRUE	5.49E-07
FEV1FVC	ATP6V1E2	rs112616789	A	C	-0.157	0.022	0.035	1.40E-12	0.012	0.007	0.072	0.002	50.174	TRUE	2.48E-10
FEV1FVC	ATP6V1E2	rs113446766	C	T	0.448	0.032	0.017	3.75E-44	-0.006	0.008	0.473	0.006	194.238	TRUE	7.98E-40
FEV1FVC	ATP6V1E2	rs113493336	G	A	0.246	0.034	0.019	4.09E-13	0.001	0.009	0.921	0.002	52.594	TRUE	3.58E-12
FEV1FVC	ATP6V1E2	rs113562109	G	A	0.142	0.024	0.031	2.70E-09	-0.003	0.008	0.675	0.001	35.386	TRUE	2.00E-08
FEV1FVC	ATP6V1E2	rs114646198	C	T	0.413	0.033	0.018	9.15E-36	0.005	0.009	0.570	0.005	155.836	TRUE	2.08E-32
FEV1FVC	ATP6V1E2	rs115367889	T	C	0.327	0.019	0.046	1.65E-64	-0.014	0.006	0.015	0.009	287.596	TRUE	4.24E-55
FEV1FVC	ATP6V1E2	rs116377985	T	G	-0.117	0.019	0.046	7.78E-10	-0.012	0.006	0.045	0.001	37.813	TRUE	7.41E-08
FEV1FVC	ATP6V1E2	rs116661870	T	C	-0.156	0.024	0.030	1.07E-10	0.005	0.007	0.488	0.001	41.682	TRUE	1.69E-09

FEV1FVC	ATP6V1E2	rs116735098	T	C	0.297	0.025	0.029	3.97E-33	-0.004	0.007	0.612	0.005	143.770	TRUE	4.38E-30
FEV1FVC	ATP6V1E2	rs11682501	G	A	-0.088	0.012	0.123	4.20E-13	0.007	0.004	0.066	0.002	52.545	TRUE	9.70E-11
FEV1FVC	ATP6V1E2	rs11890291	C	T	-0.090	0.011	0.149	6.13E-16	0.000	0.003	0.977	0.002	65.393	TRUE	7.67E-15
FEV1FVC	ATP6V1E2	rs12474054	G	A	0.144	0.015	0.074	1.62E-21	-0.003	0.005	0.621	0.003	90.759	TRUE	1.71E-19
FEV1FVC	ATP6V1E2	rs12987288	C	T	-0.142	0.014	0.083	9.72E-23	-0.001	0.004	0.918	0.003	96.324	TRUE	4.87E-21
FEV1FVC	ATP6V1E2	rs13011721	G	T	-0.535	0.018	0.053	5.00E-201	-0.001	0.006	0.891	0.028	915.089	TRUE	3.23E-184
FEV1FVC	ATP6V1E2	rs13031872	T	A	-0.234	0.008	0.331	3.89E-172	-0.006	0.003	0.014	0.024	782.207	TRUE	9.49E-151
FEV1FVC	ATP6V1E2	rs13391877	A	T	0.123	0.015	0.078	8.95E-17	0.003	0.005	0.530	0.002	69.184	TRUE	4.85E-15
FEV1FVC	ATP6V1E2	rs13394158	T	G	0.119	0.015	0.080	3.77E-16	-0.003	0.004	0.433	0.002	66.350	TRUE	2.43E-14
FEV1FVC	ATP6V1E2	rs1374274	C	T	0.053	0.009	0.244	7.68E-09	0.005	0.003	0.082	0.001	33.353	TRUE	3.60E-07
FEV1FVC	ATP6V1E2	rs1378763	C	T	0.168	0.008	0.334	3.53E-90	0.002	0.003	0.438	0.013	405.456	TRUE	1.56E-81
FEV1FVC	ATP6V1E2	rs140753998	G	A	-0.622	0.038	0.015	4.96E-61	-0.017	0.010	0.090	0.009	271.632	TRUE	2.22E-53
FEV1FVC	ATP6V1E2	rs142601881	A	G	-0.225	0.035	0.016	1.85E-10	-0.014	0.011	0.181	0.001	40.615	TRUE	7.91E-09
FEV1FVC	ATP6V1E2	rs144099212	A	C	-0.468	0.028	0.024	1.88E-62	-0.008	0.008	0.332	0.009	278.158	TRUE	5.28E-56
FEV1FVC	ATP6V1E2	rs146204091	G	A	-0.489	0.033	0.017	1.00E-48	-0.011	0.008	0.166	0.007	215.201	TRUE	6.78E-43
FEV1FVC	ATP6V1E2	rs147149295	G	A	0.149	0.021	0.039	1.08E-12	0.020	0.006	0.001	0.002	50.694	TRUE	2.19E-09
FEV1FVC	ATP6V1E2	rs148067869	G	A	0.200	0.030	0.024	1.48E-11	-0.001	0.008	0.952	0.001	45.557	TRUE	9.25E-11
FEV1FVC	ATP6V1E2	rs148648415	C	T	-0.296	0.035	0.015	1.91E-17	0.006	0.008	0.474	0.002	72.232	TRUE	1.41E-15
FEV1FVC	ATP6V1E2	rs149444290	C	T	0.400	0.027	0.024	2.14E-48	0.011	0.009	0.198	0.007	213.684	TRUE	9.49E-43
FEV1FVC	ATP6V1E2	rs149926356	T	C	-0.411	0.034	0.016	1.47E-34	-0.013	0.009	0.152	0.005	150.313	TRUE	3.95E-30
FEV1FVC	ATP6V1E2	rs17034899	T	C	0.106	0.018	0.055	1.61E-09	0.002	0.005	0.772	0.001	36.395	TRUE	1.03E-08
FEV1FVC	ATP6V1E2	rs1868273	A	T	-0.050	0.009	0.281	1.24E-08	0.002	0.003	0.524	0.001	32.419	TRUE	1.10E-07
FEV1FVC	ATP6V1E2	rs1869835	A	G	-0.083	0.008	0.465	6.51E-25	-0.005	0.002	0.059	0.003	106.240	TRUE	5.04E-21
FEV1FVC	ATP6V1E2	rs188749997	T	C	0.317	0.029	0.020	4.65E-27	-0.005	0.009	0.557	0.004	116.038	TRUE	1.88E-24
FEV1FVC	ATP6V1E2	rs2166477	C	G	-0.083	0.008	0.388	3.02E-24	0.000	0.002	0.909	0.003	103.199	TRUE	2.04E-22
FEV1FVC	ATP6V1E2	rs35904857	T	C	-0.051	0.008	0.440	1.71E-10	0.002	0.002	0.412	0.001	40.776	TRUE	3.22E-09
FEV1FVC	ATP6V1E2	rs3829836	G	A	0.168	0.019	0.045	3.51E-18	-0.003	0.007	0.641	0.002	75.577	TRUE	1.74E-16
FEV1FVC	ATP6V1E2	rs4953342	G	A	0.090	0.009	0.279	4.03E-24	-0.002	0.003	0.402	0.003	102.627	TRUE	1.78E-21
FEV1FVC	ATP6V1E2	rs4953357	G	A	-0.082	0.009	0.251	3.00E-19	0.001	0.003	0.782	0.003	80.431	TRUE	1.21E-17
FEV1FVC	ATP6V1E2	rs55703291	A	G	-0.193	0.020	0.046	1.24E-22	-0.006	0.006	0.346	0.003	95.849	TRUE	5.08E-20
FEV1FVC	ATP6V1E2	rs57907612	T	C	0.130	0.016	0.064	1.21E-15	-0.004	0.006	0.429	0.002	64.043	TRUE	6.94E-14
FEV1FVC	ATP6V1E2	rs60154242	G	A	0.465	0.008	0.340	0.00E+00	0.002	0.003	0.420	0.097	3399.157	TRUE	0.00E+00
FEV1FVC	ATP6V1E2	rs60926335	C	T	-0.318	0.044	0.013	5.60E-13	0.011	0.012	0.351	0.002	51.981	TRUE	2.30E-11
FEV1FVC	ATP6V1E2	rs61678061	T	C	-0.310	0.043	0.017	8.73E-13	0.011	0.011	0.326	0.002	51.108	TRUE	3.75E-11
FEV1FVC	ATP6V1E2	rs62134737	T	C	0.912	0.035	0.019	9.15E-153	-0.003	0.008	0.723	0.021	693.123	TRUE	1.24E-139
FEV1FVC	ATP6V1E2	rs62134800	A	G	0.196	0.015	0.076	2.33E-37	0.005	0.004	0.242	0.005	163.134	TRUE	5.15E-33
FEV1FVC	ATP6V1E2	rs62136870	G	A	-0.553	0.026	0.025	2.61E-103	-0.012	0.007	0.097	0.014	465.786	TRUE	2.12E-91
FEV1FVC	ATP6V1E2	rs62136898	A	T	-0.334	0.009	0.230	2.45E-284	-0.005	0.003	0.077	0.039	1298.377	TRUE	4.60E-253
FEV1FVC	ATP6V1E2	rs66830405	A	G	0.065	0.009	0.271	2.76E-13	-0.002	0.003	0.537	0.002	53.368	TRUE	6.90E-12
FEV1FVC	ATP6V1E2	rs6731476	C	G	-0.057	0.008	0.369	9.92E-12	-0.002	0.003	0.541	0.001	46.340	TRUE	1.67E-10
FEV1FVC	ATP6V1E2	rs6756452	A	G	-0.083	0.014	0.098	8.47E-10	0.003	0.004	0.418	0.001	37.646	TRUE	1.34E-08
FEV1FVC	ATP6V1E2	rs72802445	T	A	0.229	0.015	0.080	1.90E-55	-0.003	0.004	0.411	0.008	246.022	TRUE	6.29E-50

FEV1FVC	ATP6V1E2	rs72808521	C	T	0.105	0.019	0.050	3.07E-08	-0.003	0.005	0.483	0.001	30.661	TRUE	2.76E-07
FEV1FVC	ATP6V1E2	rs72882876	T	C	0.108	0.015	0.076	1.05E-12	0.003	0.005	0.524	0.002	50.754	TRUE	2.40E-11
FEV1FVC	ATP6V1E2	rs74400234	A	G	-0.099	0.012	0.138	7.43E-18	0.001	0.003	0.733	0.002	74.093	TRUE	2.56E-16
FEV1FVC	ATP6V1E2	rs74834152	A	G	0.397	0.067	0.018	3.03E-09	0.015	0.013	0.234	0.001	35.163	TRUE	7.22E-08
FEV1FVC	ATP6V1E2	rs7595101	G	A	0.076	0.012	0.127	1.95E-10	0.001	0.004	0.814	0.001	40.511	TRUE	1.33E-09
FEV1FVC	ATP6V1E2	rs77959229	T	C	0.487	0.063	0.038	1.29E-14	-0.005	0.027	0.854	0.002	59.397	TRUE	1.75E-13
FEV1FVC	ATP6V1E2	rs79681388	A	G	0.207	0.029	0.021	2.22E-12	-0.009	0.009	0.337	0.002	49.280	TRUE	8.20E-11
FEV1FVC	ATP6V1E2	rs79870611	A	G	-0.259	0.019	0.046	1.80E-40	-0.007	0.006	0.247	0.006	177.385	TRUE	7.89E-36
FEV1FVC	BAG3	rs11199047	C	T	0.070	0.013	0.113	2.86E-08	0.009	0.004	0.018	0.001	30.799	TRUE	2.61E-06
FEV1FVC	BAG3	rs12570309	G	C	0.061	0.009	0.259	2.27E-11	-0.004	0.003	0.181	0.001	44.724	TRUE	1.32E-09
FEV1FVC	BAG3	rs144745150	G	A	-0.143	0.024	0.032	1.28E-09	-0.001	0.006	0.874	0.001	36.838	TRUE	6.70E-09
FEV1FVC	BAG3	rs188789342	T	C	-0.288	0.034	0.017	2.62E-17	0.000	0.008	0.976	0.002	71.605	TRUE	4.10E-16
FEV1FVC	BAG3	rs196239	T	C	0.084	0.010	0.190	1.04E-16	0.000	0.003	0.960	0.002	68.880	TRUE	1.61E-15
FEV1FVC	BAG3	rs196336	T	C	-0.167	0.008	0.378	3.91E-93	0.007	0.003	0.009	0.013	419.036	TRUE	4.72E-80
FEV1FVC	BAG3	rs2475306	T	C	-0.077	0.008	0.323	1.40E-19	0.000	0.003	0.865	0.003	81.937	TRUE	4.46E-18
FEV1FVC	BAG3	rs55942226	C	G	0.072	0.011	0.145	2.05E-10	-0.002	0.003	0.556	0.001	40.411	TRUE	2.62E-09
FEV1FVC	BAG3	rs55980078	T	C	-0.252	0.016	0.069	4.32E-58	0.001	0.005	0.806	0.008	258.146	TRUE	2.32E-53
FEV1FVC	BAG3	rs72828546	A	G	-0.170	0.024	0.030	2.22E-12	0.003	0.006	0.578	0.002	49.277	TRUE	3.94E-11
FEV1FVC	BAG3	rs7478438	T	C	-0.067	0.009	0.257	1.67E-13	0.005	0.003	0.086	0.002	54.358	TRUE	3.57E-11
FEV1FVC	BAG5	rs12884303	T	C	0.145	0.021	0.048	3.27E-12	-0.013	0.005	0.009	0.002	48.519	TRUE	1.92E-09
FEV1FVC	BAG5	rs138358446	T	C	0.176	0.024	0.037	2.69E-13	-0.004	0.006	0.454	0.002	53.421	TRUE	8.46E-12
FEV1FVC	BAG5	rs143150593	T	C	0.213	0.032	0.023	3.24E-11	-0.001	0.007	0.837	0.001	44.023	TRUE	2.45E-10
FEV1FVC	BAG5	rs1799794	C	T	-0.153	0.011	0.194	5.84E-45	0.003	0.003	0.397	0.006	197.939	TRUE	2.22E-40
FEV1FVC	BAG5	rs2296482	G	T	0.187	0.009	0.279	1.10E-97	-0.010	0.003	1.33E-04	0.014	439.931	TRUE	2.98E-81
FEV1FVC	BAG5	rs34251103	G	A	-0.144	0.009	0.294	3.28E-55	0.007	0.003	0.012	0.008	244.931	TRUE	1.10E-46
FEV1FVC	BAG5	rs35165685	A	G	-0.065	0.010	0.466	3.91E-10	0.001	0.002	0.651	0.001	39.153	TRUE	3.68E-09
FEV1FVC	BAG5	rs4906382	A	G	-0.084	0.009	0.260	4.28E-19	0.003	0.003	0.235	0.003	79.729	TRUE	1.31E-16
FEV1FVC	BAG5	rs4906417	A	C	-0.087	0.015	0.080	4.37E-09	-0.007	0.005	0.199	0.001	34.450	TRUE	1.18E-07
FEV1FVC	BAG5	rs62007678	G	T	-0.152	0.023	0.040	3.19E-11	0.002	0.006	0.817	0.001	44.052	TRUE	2.55E-10
FEV1FVC	BAG5	rs75244210	T	C	0.262	0.042	0.016	3.41E-10	-0.014	0.011	0.203	0.001	39.421	TRUE	1.21E-08
FEV1FVC	BAG5	rs75834191	T	C	-0.162	0.028	0.025	1.14E-08	-0.006	0.009	0.492	0.001	32.588	TRUE	1.10E-07
FEV1FVC	BAG5	rs8016348	G	A	-0.063	0.010	0.240	4.72E-10	0.004	0.003	0.139	0.001	38.788	TRUE	2.18E-08
FEV1FVC	BAG5	rs861535	G	A	-0.092	0.015	0.084	4.88E-10	0.001	0.004	0.878	0.001	38.723	TRUE	2.71E-09
FEV1FVC	BAX	rs1010103	T	G	0.292	0.014	0.108	1.32E-100	0.013	0.004	3.56E-04	0.014	453.362	TRUE	1.49E-84
FEV1FVC	BAX	rs10413257	C	T	-0.084	0.010	0.286	4.60E-16	-0.001	0.003	0.637	0.002	65.956	TRUE	1.54E-14
FEV1FVC	BAX	rs1062708	T	C	-0.078	0.009	0.481	6.59E-20	-0.005	0.002	0.053	0.003	83.428	TRUE	1.48E-16
FEV1FVC	BAX	rs113360897	C	T	-0.085	0.013	0.129	1.17E-11	0.005	0.003	0.107	0.001	46.025	TRUE	1.16E-09
FEV1FVC	BAX	rs11668424	A	G	-0.248	0.008	0.369	2.77E-198	-0.006	0.003	0.012	0.028	902.473	TRUE	7.33E-174
FEV1FVC	BAX	rs117302812	T	C	0.149	0.027	0.029	4.95E-08	0.005	0.007	0.504	0.001	29.733	TRUE	4.03E-07
FEV1FVC	BAX	rs148615221	A	G	0.177	0.027	0.033	6.68E-11	0.004	0.007	0.520	0.001	42.606	TRUE	1.00E-09
FEV1FVC	BAX	rs2042250	A	G	0.157	0.026	0.043	3.04E-09	0.003	0.006	0.588	0.001	35.158	TRUE	2.69E-08
FEV1FVC	BAX	rs2232004	G	A	-0.111	0.018	0.055	9.42E-10	0.001	0.005	0.833	0.001	37.440	TRUE	5.53E-09

FEV1FVC	BAX	rs4645900	T	C	-0.245	0.029	0.030	7.68E-17	-0.009	0.007	0.199	0.002	69.484	TRUE	1.68E-14
FEV1FVC	BAX	rs57350493	G	A	0.106	0.010	0.284	1.22E-28	0.006	0.003	0.031	0.004	123.252	TRUE	5.04E-24
FEV1FVC	BAX	rs57527373	G	T	-0.055	0.009	0.280	4.74E-10	0.001	0.003	0.723	0.001	38.781	TRUE	3.65E-09
FEV1FVC	BAX	rs57724609	C	T	0.205	0.027	0.036	2.50E-14	0.010	0.007	0.169	0.002	58.091	TRUE	3.33E-12
FEV1FVC	BAX	rs611251	C	T	0.078	0.011	0.153	2.23E-12	0.003	0.003	0.411	0.002	49.264	TRUE	6.45E-11
FEV1FVC	BAX	rs7255964	T	C	-0.198	0.023	0.048	6.17E-18	0.001	0.005	0.907	0.002	74.462	TRUE	1.32E-16
FEV1FVC	BAX	rs77695658	T	C	-0.174	0.024	0.037	4.17E-13	0.001	0.006	0.934	0.002	52.559	TRUE	3.59E-12
FEV1FVC	BAX	rs78964204	C	A	-0.288	0.039	0.025	2.32E-13	0.003	0.008	0.721	0.002	53.714	TRUE	3.50E-12
FEV1FVC	BBC3	rs35368210	G	A	0.055	0.008	0.456	9.45E-12	0.006	0.002	0.017	0.001	46.436	TRUE	3.33E-09
FEV1FVC	BNIP3	rs11146255	A	G	0.277	0.034	0.257	1.71E-16	-0.004	0.003	0.177	0.002	67.906	TRUE	3.97E-14
FEV1FVC	BNIP3	rs7077135	C	T	-0.130	0.017	0.245	2.46E-14	0.010	0.003	4.45E-04	0.002	58.125	TRUE	1.57E-10
FEV1FVC	BRSK2	rs11603658	C	T	-0.063	0.009	0.493	1.51E-11	0.008	0.002	0.001	0.001	45.524	TRUE	1.86E-08
FEV1FVC	CAAP1	rs1961967	A	G	0.074	0.012	0.184	1.17E-10	0.001	0.003	0.729	0.001	41.517	TRUE	9.92E-10
FEV1FVC	CAAP1	rs604409	T	C	-0.074	0.009	0.420	5.21E-16	-0.005	0.002	0.045	0.002	65.713	TRUE	4.25E-13
FEV1FVC	CAAP1	rs74705139	T	C	-0.131	0.022	0.051	3.54E-09	-0.008	0.006	0.164	0.001	34.862	TRUE	1.13E-07
FEV1FVC	CASP9	rs10803384	A	C	-0.116	0.010	0.201	2.61E-31	-0.002	0.003	0.561	0.004	135.459	TRUE	2.43E-28
FEV1FVC	CASP9	rs10927892	C	A	-0.050	0.009	0.463	4.08E-09	0.002	0.002	0.414	0.001	34.582	TRUE	5.51E-08
FEV1FVC	CASP9	rs111778267	A	G	-0.281	0.039	0.016	1.12E-12	0.006	0.009	0.509	0.002	50.626	TRUE	2.58E-11
FEV1FVC	CASP9	rs114521883	A	G	0.186	0.032	0.022	8.25E-09	-0.007	0.007	0.382	0.001	33.212	TRUE	1.10E-07
FEV1FVC	CASP9	rs115987755	T	C	-0.237	0.026	0.028	1.97E-20	-0.011	0.007	0.152	0.003	85.813	TRUE	1.58E-17
FEV1FVC	CASP9	rs12137566	T	C	0.244	0.023	0.038	3.27E-26	-0.006	0.006	0.322	0.004	112.171	TRUE	3.47E-23
FEV1FVC	CASP9	rs12562037	C	T	-0.108	0.012	0.117	4.60E-18	0.002	0.004	0.658	0.002	75.042	TRUE	2.19E-16
FEV1FVC	CASP9	rs139276747	T	C	0.398	0.034	0.018	4.71E-31	0.001	0.008	0.884	0.004	134.287	TRUE	1.14E-28
FEV1FVC	CASP9	rs143073914	T	C	0.298	0.039	0.025	3.40E-14	0.004	0.008	0.593	0.002	57.483	TRUE	8.64E-13
FEV1FVC	CASP9	rs149289645	T	C	-0.328	0.032	0.020	3.53E-25	-0.015	0.009	0.093	0.003	107.452	TRUE	1.82E-21
FEV1FVC	CASP9	rs2020902	G	A	-0.348	0.011	0.142	8.35E-211	0.000	0.003	0.928	0.029	960.058	TRUE	3.06E-193
FEV1FVC	CASP9	rs2308950	T	C	-0.252	0.035	0.017	7.52E-13	-0.001	0.010	0.944	0.002	51.400	TRUE	5.95E-12
FEV1FVC	CASP9	rs34279773	A	G	0.330	0.027	0.030	4.08E-34	-0.005	0.007	0.508	0.005	148.289	TRUE	8.93E-31
FEV1FVC	CASP9	rs35365738	A	G	-0.109	0.009	0.293	6.40E-36	0.000	0.003	0.932	0.005	156.546	TRUE	3.03E-33
FEV1FVC	CASP9	rs35495014	G	A	-0.104	0.008	0.352	2.69E-35	0.003	0.003	0.193	0.005	153.691	TRUE	6.10E-31
FEV1FVC	CASP9	rs35549389	G	A	-0.154	0.027	0.024	1.30E-08	-0.007	0.007	0.327	0.001	32.326	TRUE	1.94E-07
FEV1FVC	CASP9	rs3765370	G	T	0.179	0.013	0.114	1.35E-41	-0.002	0.004	0.597	0.006	182.523	TRUE	9.00E-38
FEV1FVC	CASP9	rs3820070	C	T	0.270	0.021	0.046	1.74E-39	-0.013	0.007	0.070	0.005	172.870	TRUE	5.56E-34
FEV1FVC	CASP9	rs61780990	T	C	0.167	0.023	0.039	1.33E-13	0.002	0.006	0.693	0.002	54.798	TRUE	2.29E-12
FEV1FVC	CASP9	rs61782448	A	C	-0.074	0.012	0.142	2.26E-10	0.005	0.003	0.105	0.001	40.229	TRUE	1.55E-08
FEV1FVC	CASP9	rs61783873	G	A	0.084	0.012	0.146	3.76E-12	-0.004	0.003	0.253	0.002	48.241	TRUE	1.90E-10
FEV1FVC	CASP9	rs6429746	A	G	0.327	0.008	0.309	0.00E+00	-0.005	0.003	0.042	0.045	1504.629	TRUE	1.85E-291
FEV1FVC	CASP9	rs67833669	A	G	0.103	0.015	0.081	6.28E-12	-0.001	0.004	0.848	0.001	47.238	TRUE	5.24E-11
FEV1FVC	CASP9	rs7522578	C	T	-0.139	0.008	0.438	1.88E-67	-0.002	0.002	0.516	0.009	301.100	TRUE	3.23E-61
FEV1FVC	CASP9	rs79757554	T	C	0.235	0.022	0.041	8.90E-26	-0.006	0.006	0.285	0.003	110.185	TRUE	1.04E-22
FEV1FVC	CASP9	rs80200735	A	C	-0.364	0.042	0.017	2.42E-18	-0.007	0.010	0.469	0.002	76.309	TRUE	2.25E-16
FEV1FVC	CD28	rs12614091	T	A	-0.125	0.014	0.220	2.17E-18	-0.008	0.003	0.007	0.002	76.523	TRUE	1.49E-14

FEV1FVC	CD28	rs62183994	T	C	0.152	0.028	0.047	4.85E-08	-0.008	0.005	0.162	0.001	29.775	TRUE	1.11E-06
FEV1FVC	CD68	rs11078698	T	C	-0.215	0.030	0.022	4.79E-13	-0.003	0.009	0.771	0.002	52.284	TRUE	5.98E-12
FEV1FVC	CD68	rs11657418	C	G	0.071	0.012	0.241	1.79E-09	0.001	0.003	0.737	0.001	36.183	TRUE	1.23E-08
FEV1FVC	CD68	rs12600850	A	G	0.089	0.008	0.457	1.71E-27	0.005	0.003	0.030	0.004	118.015	TRUE	5.27E-23
FEV1FVC	CD68	rs12942267	C	T	0.067	0.008	0.380	8.39E-16	-0.003	0.003	0.230	0.002	64.773	TRUE	1.18E-13
FEV1FVC	CD68	rs150836621	T	G	-0.080	0.012	0.138	1.47E-10	0.004	0.003	0.271	0.001	41.070	TRUE	4.28E-09
FEV1FVC	CD68	rs2228133	C	T	0.122	0.015	0.073	1.98E-15	0.010	0.005	0.046	0.002	63.078	TRUE	1.19E-12
FEV1FVC	CD68	rs2241235	C	T	0.066	0.011	0.148	6.31E-09	0.004	0.003	0.248	0.001	33.736	TRUE	1.30E-07
FEV1FVC	CD68	rs2543553	A	C	0.118	0.016	0.083	4.23E-14	0.006	0.005	0.227	0.002	57.053	TRUE	3.95E-12
FEV1FVC	CD68	rs34121192	A	G	0.223	0.015	0.083	1.78E-49	0.002	0.005	0.673	0.007	218.643	TRUE	3.65E-45
FEV1FVC	CD68	rs34399703	G	T	0.131	0.023	0.039	8.65E-09	0.014	0.006	0.027	0.001	33.120	TRUE	8.16E-07
FEV1FVC	CD68	rs35721044	T	C	-0.135	0.011	0.170	3.43E-33	-0.010	0.003	0.002	0.005	144.059	TRUE	1.29E-26
FEV1FVC	CD68	rs4578723	T	C	0.121	0.008	0.408	4.33E-48	0.007	0.003	0.009	0.007	212.283	TRUE	2.50E-40
FEV1FVC	CD68	rs4968214	A	G	-0.184	0.009	0.295	6.40E-100	-0.006	0.003	0.031	0.014	450.209	TRUE	3.42E-87
FEV1FVC	CD68	rs56319762	T	C	0.134	0.011	0.152	2.74E-33	-0.002	0.003	0.472	0.005	144.503	TRUE	5.81E-30
FEV1FVC	CD68	rs77697176	A	G	-0.148	0.020	0.048	4.62E-14	-0.010	0.005	0.057	0.002	56.881	TRUE	1.57E-11
FEV1FVC	CD68	rs78496430	G	A	-0.136	0.020	0.048	1.48E-11	-0.003	0.005	0.606	0.001	45.562	TRUE	2.04E-10
FEV1FVC	CD70	rs17516272	T	G	-0.100	0.014	0.091	6.09E-13	-0.005	0.004	0.228	0.002	51.814	TRUE	3.99E-11
FEV1FVC	CD70	rs2029745	C	T	-0.098	0.008	0.401	2.42E-33	-0.007	0.003	0.004	0.005	144.750	TRUE	3.74E-27
FEV1FVC	CD70	rs344607	T	C	0.126	0.011	0.146	4.35E-28	0.004	0.003	0.255	0.004	120.737	TRUE	1.07E-24
FEV1FVC	CD70	rs392972	T	C	0.071	0.008	0.500	9.85E-19	0.007	0.002	0.004	0.002	78.084	TRUE	1.13E-14
FEV1FVC	CDC37	rs115959341	C	G	0.125	0.022	0.037	7.91E-09	0.007	0.006	0.199	0.001	33.295	TRUE	1.91E-07
FEV1FVC	CDC37	rs117212300	G	A	-0.128	0.021	0.049	1.37E-09	-0.025	0.006	9.79E-06	0.001	36.702	TRUE	3.64E-06
FEV1FVC	CDC37	rs12975591	G	A	0.062	0.011	0.229	3.95E-08	-0.002	0.003	0.512	0.001	30.171	TRUE	3.18E-07
FEV1FVC	CDC37	rs12978105	C	A	0.137	0.008	0.324	2.83E-59	0.007	0.003	0.009	0.008	263.571	TRUE	3.77E-50
FEV1FVC	CDC37	rs7256672	G	T	0.053	0.008	0.345	3.60E-10	0.001	0.003	0.853	0.001	39.318	TRUE	2.23E-09
FEV1FVC	CDKN2A	rs2188127	G	C	0.122	0.013	0.118	2.48E-21	0.007	0.003	0.033	0.003	89.919	TRUE	1.32E-17
FEV1FVC	CDKN2A	rs7041637	A	C	-0.067	0.009	0.297	1.09E-14	0.001	0.003	0.778	0.002	59.715	TRUE	1.90E-13
FEV1FVC	CDKN2D	rs117717044	T	C	-1.457	0.137	0.013	2.07E-26	0.007	0.016	0.691	0.004	113.070	TRUE	4.40E-24
FEV1FVC	CDKN2D	rs11883423	G	A	-0.100	0.009	0.335	2.46E-27	-0.004	0.003	0.089	0.004	117.298	TRUE	2.45E-23
FEV1FVC	CDKN2D	rs190740393	C	T	-0.087	0.016	0.089	3.59E-08	0.000	0.005	0.988	0.001	30.356	TRUE	1.18E-07
FEV1FVC	CDKN2D	rs34457396	G	T	-0.127	0.018	0.059	1.29E-12	-0.007	0.005	0.174	0.002	50.338	TRUE	1.05E-10
FEV1FVC	CDKN2D	rs4804510	A	G	-0.065	0.009	0.369	5.18E-13	-0.007	0.003	0.008	0.002	52.131	TRUE	4.57E-10
FEV1FVC	CDKN2D	rs62131898	G	A	0.114	0.014	0.132	1.25E-16	0.001	0.004	0.781	0.002	68.518	TRUE	2.98E-15
FEV1FVC	CDKN2D	rs8106542	C	T	0.065	0.010	0.200	5.15E-11	0.002	0.003	0.605	0.001	43.115	TRUE	6.45E-10
FEV1FVC	CDKN2D	rs8108051	C	T	0.161	0.009	0.458	3.71E-80	0.005	0.002	0.027	0.011	359.430	TRUE	1.49E-69
FEV1FVC	CFLAR	rs10804105	C	T	-0.082	0.010	0.254	1.61E-16	0.004	0.003	0.142	0.002	68.028	TRUE	4.88E-14
FEV1FVC	CFLAR	rs10931932	A	C	-0.175	0.015	0.094	1.36E-31	0.003	0.004	0.522	0.004	136.750	TRUE	1.67E-28
FEV1FVC	CFLAR	rs112313977	A	G	0.163	0.014	0.100	1.91E-29	0.002	0.004	0.566	0.004	126.933	TRUE	1.22E-26
FEV1FVC	CFLAR	rs112850887	G	A	0.143	0.026	0.029	4.37E-08	-0.013	0.007	0.068	0.001	29.976	TRUE	1.80E-06
FEV1FVC	CFLAR	rs1135266	T	C	0.252	0.018	0.079	6.34E-46	-0.005	0.004	0.203	0.006	202.361	TRUE	1.38E-40
FEV1FVC	CFLAR	rs114707766	A	G	0.218	0.025	0.032	8.94E-19	0.001	0.006	0.929	0.002	78.275	TRUE	2.11E-17

FEV1FVC	CFLAR	rs115856102	A	G	-0.154	0.024	0.035	2.63E-10	0.003	0.007	0.688	0.001	39.930	TRUE	2.34E-09
FEV1FVC	CFLAR	rs13028496	C	A	-0.150	0.009	0.451	7.51E-67	0.003	0.002	0.272	0.009	298.337	TRUE	1.06E-59
FEV1FVC	CFLAR	rs13028648	C	T	0.313	0.019	0.062	2.70E-62	0.008	0.005	0.074	0.009	277.433	TRUE	2.27E-54
FEV1FVC	CFLAR	rs144674279	A	G	-0.163	0.028	0.028	5.98E-09	-0.011	0.008	0.143	0.001	33.838	TRUE	1.95E-07
FEV1FVC	CFLAR	rs145051925	A	G	0.271	0.040	0.017	8.30E-12	0.002	0.009	0.832	0.001	46.690	TRUE	7.13E-11
FEV1FVC	CFLAR	rs149543865	A	G	-0.241	0.041	0.016	4.78E-09	0.011	0.012	0.397	0.001	34.274	TRUE	6.48E-08
FEV1FVC	CFLAR	rs189399585	A	G	0.256	0.039	0.018	6.23E-11	0.008	0.015	0.583	0.001	42.746	TRUE	8.11E-10
FEV1FVC	CFLAR	rs190173879	A	G	-0.341	0.046	0.021	1.38E-13	-0.019	0.022	0.400	0.002	54.727	TRUE	5.50E-12
FEV1FVC	CFLAR	rs41271463	C	T	0.304	0.055	0.013	3.18E-08	0.017	0.010	0.110	0.001	30.590	TRUE	1.01E-06
FEV1FVC	CFLAR	rs4622700	T	C	-0.102	0.012	0.169	1.16E-18	-0.007	0.003	0.039	0.002	77.763	TRUE	2.26E-15
FEV1FVC	CFLAR	rs4672912	A	G	-0.109	0.011	0.192	2.51E-23	0.008	0.003	0.011	0.003	99.004	TRUE	6.83E-19
FEV1FVC	CFLAR	rs56365779	G	T	-0.120	0.016	0.084	2.22E-14	-0.005	0.004	0.225	0.002	58.320	TRUE	2.22E-12
FEV1FVC	CFLAR	rs58679595	A	G	0.350	0.009	0.492	0.00E+00	-0.005	0.002	0.024	0.043	1430.869	TRUE	1.47E-276
FEV1FVC	CFLAR	rs62191500	G	A	0.222	0.023	0.044	6.11E-23	-0.001	0.005	0.855	0.003	97.246	TRUE	3.85E-21
FEV1FVC	CFLAR	rs6754666	A	G	0.101	0.010	0.271	3.59E-25	-0.002	0.003	0.484	0.003	107.419	TRUE	1.37E-22
FEV1FVC	CFLAR	rs7579792	A	G	-0.106	0.015	0.100	3.22E-13	0.006	0.004	0.128	0.002	53.068	TRUE	4.18E-11
FEV1FVC	CFLAR	rs78287440	C	T	-0.110	0.016	0.076	2.09E-11	0.009	0.005	0.078	0.001	44.879	TRUE	2.35E-09
FEV1FVC	CHEK2	rs9620808	C	A	0.098	0.012	0.135	3.06E-17	-0.009	0.004	0.013	0.002	71.300	TRUE	8.73E-14
FEV1FVC	CISD1	rs10826151	C	A	0.296	0.008	0.496	0.00E+00	-0.001	0.002	0.740	0.043	1436.532	TRUE	9.68E-286
FEV1FVC	CISD1	rs11006263	G	A	0.105	0.019	0.052	2.67E-08	-0.004	0.005	0.427	0.001	30.932	TRUE	2.79E-07
FEV1FVC	CISD1	rs112325861	G	A	-0.251	0.025	0.033	1.25E-24	0.003	0.006	0.681	0.003	104.953	TRUE	1.92E-22
FEV1FVC	CISD1	rs112400228	G	A	-0.184	0.031	0.024	2.14E-09	0.005	0.008	0.479	0.001	35.840	TRUE	2.52E-08
FEV1FVC	CISD1	rs112839958	A	G	0.146	0.025	0.029	1.01E-08	0.003	0.007	0.661	0.001	32.826	TRUE	6.76E-08
FEV1FVC	CISD1	rs11599360	G	T	0.193	0.010	0.200	1.46E-84	0.002	0.003	0.478	0.012	379.657	TRUE	1.14E-76
FEV1FVC	CISD1	rs117162561	A	G	0.306	0.036	0.018	8.47E-18	-0.019	0.010	0.061	0.002	73.835	TRUE	8.59E-15
FEV1FVC	CISD1	rs117204172	G	T	-0.197	0.036	0.018	4.35E-08	0.001	0.009	0.952	0.001	29.987	TRUE	1.48E-07
FEV1FVC	CISD1	rs117283045	T	G	0.377	0.032	0.021	5.65E-32	-0.001	0.008	0.941	0.004	138.496	TRUE	1.34E-29
FEV1FVC	CISD1	rs117505220	A	G	0.285	0.040	0.030	1.63E-12	0.010	0.016	0.526	0.002	49.883	TRUE	3.44E-11
FEV1FVC	CISD1	rs118028997	T	C	0.331	0.050	0.014	2.99E-11	-0.010	0.009	0.226	0.001	44.180	TRUE	1.29E-09
FEV1FVC	CISD1	rs1201754	A	G	0.293	0.023	0.038	8.12E-37	-0.009	0.008	0.209	0.005	160.650	TRUE	2.13E-32
FEV1FVC	CISD1	rs12220092	C	T	0.251	0.011	0.150	1.98E-112	-0.005	0.003	0.133	0.016	507.699	TRUE	5.54E-100
FEV1FVC	CISD1	rs12259591	A	G	-0.377	0.009	0.269	0.00E+00	-0.003	0.003	0.321	0.055	1855.393	TRUE	0.00E+00
FEV1FVC	CISD1	rs139675989	G	A	0.442	0.042	0.015	4.05E-26	0.003	0.009	0.777	0.004	111.743	TRUE	5.93E-24
FEV1FVC	CISD1	rs140302296	C	T	-0.157	0.013	0.109	1.30E-34	0.005	0.004	0.181	0.005	150.563	TRUE	2.76E-30
FEV1FVC	CISD1	rs140427456	C	T	-0.429	0.027	0.027	2.16E-58	-0.010	0.007	0.172	0.008	259.522	TRUE	1.26E-51
FEV1FVC	CISD1	rs140813029	G	A	-0.354	0.017	0.055	1.67E-92	-0.006	0.005	0.226	0.013	416.144	TRUE	1.09E-82
FEV1FVC	CISD1	rs141398649	G	A	0.150	0.023	0.041	3.51E-11	-0.003	0.007	0.659	0.001	43.867	TRUE	4.02E-10
FEV1FVC	CISD1	rs142514938	G	A	-0.284	0.022	0.037	7.93E-37	0.012	0.007	0.070	0.005	160.696	TRUE	1.24E-31
FEV1FVC	CISD1	rs142878832	G	A	-0.637	0.041	0.015	1.68E-54	-0.001	0.012	0.907	0.008	241.681	TRUE	2.67E-50
FEV1FVC	CISD1	rs143185825	A	G	0.283	0.025	0.032	1.99E-29	0.013	0.007	0.070	0.004	126.852	TRUE	4.66E-25
FEV1FVC	CISD1	rs143282188	G	A	-0.301	0.039	0.016	1.66E-14	-0.003	0.011	0.796	0.002	58.896	TRUE	2.58E-13
FEV1FVC	CISD1	rs144071912	G	A	-0.324	0.031	0.021	3.04E-26	-0.015	0.009	0.070	0.004	112.314	TRUE	2.88E-22

FEV1FVC	CISD1	rs147646995	C	T	-0.278	0.035	0.020	1.10E-15	-0.013	0.009	0.115	0.002	64.236	TRUE	3.13E-13
FEV1FVC	CISD1	rs148804182	T	C	-0.469	0.027	0.028	6.68E-67	0.001	0.008	0.857	0.009	298.574	TRUE	1.39E-61
FEV1FVC	CISD1	rs1649078	A	C	0.063	0.008	0.505	1.23E-14	-0.006	0.003	0.010	0.002	59.483	TRUE	1.72E-11
FEV1FVC	CISD1	rs1698413	A	G	-0.150	0.012	0.161	5.37E-37	0.001	0.003	0.708	0.005	161.474	TRUE	7.97E-34
FEV1FVC	CISD1	rs17635794	T	C	0.272	0.016	0.073	5.41E-68	-0.002	0.005	0.655	0.009	303.584	TRUE	4.45E-62
FEV1FVC	CISD1	rs1889066	A	G	-0.336	0.015	0.080	4.03E-118	-0.006	0.004	0.164	0.017	533.854	TRUE	2.08E-105
FEV1FVC	CISD1	rs189006564	G	A	-0.196	0.028	0.031	5.43E-12	-0.028	0.034	0.413	0.001	47.521	TRUE	1.43E-10
FEV1FVC	CISD1	rs1904757	G	T	-0.071	0.011	0.156	9.42E-11	0.000	0.003	0.980	0.001	41.936	TRUE	4.85E-10
FEV1FVC	CISD1	rs2162464	T	C	0.150	0.016	0.071	5.95E-22	0.006	0.005	0.169	0.003	92.739	TRUE	5.99E-19
FEV1FVC	CISD1	rs2277256	C	T	0.287	0.030	0.023	7.47E-22	-0.016	0.008	0.032	0.003	92.289	TRUE	4.66E-18
FEV1FVC	CISD1	rs2393339	A	T	-0.084	0.010	0.231	6.70E-17	0.009	0.003	0.002	0.002	69.755	TRUE	6.64E-13
FEV1FVC	CISD1	rs2393369	A	G	-0.047	0.009	0.328	3.30E-08	-0.003	0.003	0.177	0.001	30.519	TRUE	6.95E-07
FEV1FVC	CISD1	rs2393473	T	A	-0.080	0.010	0.201	7.03E-16	0.006	0.003	0.051	0.002	65.121	TRUE	4.74E-13
FEV1FVC	CISD1	rs2658604	G	T	0.065	0.012	0.140	2.02E-08	0.005	0.003	0.147	0.001	31.473	TRUE	5.47E-07
FEV1FVC	CISD1	rs2658633	A	C	-0.109	0.008	0.436	4.67E-42	-0.002	0.002	0.416	0.006	184.644	TRUE	9.57E-38
FEV1FVC	CISD1	rs2790199	T	G	-0.677	0.016	0.062	0.00E+00	-0.001	0.005	0.905	0.053	1759.720	TRUE	0.00E+00
FEV1FVC	CISD1	rs3125442	C	T	0.060	0.009	0.256	5.61E-11	0.002	0.003	0.581	0.001	42.950	TRUE	7.43E-10
FEV1FVC	CISD1	rs34157994	G	A	-0.092	0.015	0.078	7.76E-10	-0.006	0.004	0.180	0.001	37.817	TRUE	2.81E-08
FEV1FVC	CISD1	rs41305703	T	C	0.157	0.019	0.054	1.84E-16	0.000	0.005	0.981	0.002	67.762	TRUE	2.46E-15
FEV1FVC	CISD1	rs4468302	T	C	0.317	0.036	0.019	1.11E-18	-0.009	0.010	0.378	0.002	77.847	TRUE	1.55E-16
FEV1FVC	CISD1	rs4948514	C	T	0.284	0.019	0.058	2.98E-50	-0.004	0.005	0.392	0.007	222.199	TRUE	3.94E-45
FEV1FVC	CISD1	rs55935031	A	C	0.199	0.020	0.051	9.51E-24	-0.006	0.005	0.172	0.003	100.928	TRUE	1.51E-20
FEV1FVC	CISD1	rs61847368	T	C	0.099	0.015	0.086	1.54E-10	-0.001	0.004	0.888	0.001	40.973	TRUE	9.38E-10
FEV1FVC	CISD1	rs61875518	A	G	-0.105	0.010	0.215	8.66E-27	-0.002	0.003	0.541	0.004	114.804	TRUE	3.69E-24
FEV1FVC	CISD1	rs7073798	G	A	0.188	0.025	0.033	1.74E-14	0.009	0.006	0.128	0.002	58.797	TRUE	3.27E-12
FEV1FVC	CISD1	rs7096154	C	T	-0.046	0.008	0.421	1.08E-08	-0.009	0.002	3.50E-04	0.001	32.689	TRUE	6.16E-06
FEV1FVC	CISD1	rs72791504	A	G	0.189	0.022	0.040	1.96E-17	-0.005	0.005	0.334	0.002	72.178	TRUE	2.46E-15
FEV1FVC	CISD1	rs72793687	C	T	-0.562	0.013	0.097	0.00E+00	0.016	0.004	1.10E-04	0.053	1773.513	TRUE	0.00E+00
FEV1FVC	CISD1	rs72797429	G	A	-0.755	0.065	0.016	4.96E-31	0.006	0.014	0.665	0.004	134.185	TRUE	2.89E-28
FEV1FVC	CISD1	rs73285143	T	C	-0.619	0.016	0.064	0.00E+00	-0.003	0.005	0.566	0.045	1509.097	TRUE	7.63E-299
FEV1FVC	CISD1	rs74747644	A	G	-0.089	0.015	0.087	8.97E-10	0.004	0.004	0.320	0.001	37.535	TRUE	1.85E-08
FEV1FVC	CISD1	rs74761026	A	G	-0.259	0.022	0.042	9.65E-33	0.001	0.006	0.899	0.004	142.006	TRUE	3.01E-30
FEV1FVC	CISD1	rs75340741	T	G	0.349	0.051	0.013	9.57E-12	-0.018	0.009	0.051	0.001	46.411	TRUE	1.65E-09
FEV1FVC	CISD1	rs75571036	T	C	-0.700	0.052	0.016	7.61E-42	0.020	0.011	0.075	0.006	183.672	TRUE	3.91E-36
FEV1FVC	CISD1	rs75943816	G	A	0.142	0.025	0.031	1.70E-08	-0.005	0.006	0.428	0.001	31.808	TRUE	1.88E-07
FEV1FVC	CISD1	rs76294626	A	G	0.320	0.025	0.040	2.62E-37	0.013	0.005	0.014	0.005	162.898	TRUE	3.84E-31
FEV1FVC	CISD1	rs76396599	C	T	-0.293	0.030	0.021	1.66E-22	-0.013	0.010	0.205	0.003	95.268	TRUE	1.48E-19
FEV1FVC	CISD1	rs76803034	A	G	-0.287	0.026	0.030	7.04E-28	-0.002	0.006	0.770	0.004	119.781	TRUE	1.47E-25
FEV1FVC	CISD1	rs77243728	C	T	-0.144	0.025	0.032	5.37E-09	0.005	0.006	0.452	0.001	34.050	TRUE	6.24E-08
FEV1FVC	CISD1	rs78998841	T	C	0.117	0.020	0.043	7.26E-09	0.002	0.006	0.697	0.001	33.462	TRUE	4.69E-08
FEV1FVC	CISD1	rs7905025	G	A	0.048	0.008	0.451	2.53E-09	0.004	0.002	0.071	0.001	35.510	TRUE	1.52E-07
FEV1FVC	CISD1	rs7918059	C	T	-0.591	0.016	0.068	0.00E+00	0.005	0.005	0.382	0.044	1450.046	TRUE	5.25E-286

FEV1FVC	CISD1	rs79497150	G	A	0.246	0.044	0.015	1.77E-08	0.003	0.011	0.751	0.001	31.731	TRUE	9.49E-08
FEV1FVC	CISD1	rs79613400	G	A	0.205	0.020	0.052	1.15E-23	0.009	0.005	0.055	0.003	100.554	TRUE	6.64E-20
FEV1FVC	CISD1	rs9415586	A	G	-0.156	0.017	0.065	3.02E-19	0.001	0.004	0.822	0.003	80.417	TRUE	1.09E-17
FEV1FVC	CISD1	rs9416603	A	C	0.073	0.009	0.264	1.02E-15	-0.001	0.003	0.680	0.002	64.387	TRUE	2.64E-14
FEV1FVC	CISD1	rs999845	T	C	-0.092	0.010	0.207	6.79E-21	-0.001	0.003	0.731	0.003	87.922	TRUE	4.32E-19
FEV1FVC	CREB3	rs1570249	A	G	-0.073	0.008	0.440	1.01E-19	0.009	0.002	3.67E-04	0.003	82.594	TRUE	6.97E-15
FEV1FVC	CTNNA1	rs10440755	T	C	-0.090	0.012	0.121	1.73E-13	-0.002	0.004	0.623	0.002	54.284	TRUE	3.53E-12
FEV1FVC	CTNNA1	rs11032	C	T	-0.246	0.019	0.048	1.84E-37	-0.006	0.006	0.301	0.005	163.604	TRUE	2.74E-33
FEV1FVC	CTNNA1	rs11242450	C	T	0.351	0.008	0.468	0.00E+00	-0.002	0.002	0.330	0.061	2065.908	TRUE	0.00E+00
FEV1FVC	CTNNA1	rs112611955	C	T	0.308	0.028	0.025	6.67E-28	-0.007	0.008	0.378	0.004	119.886	TRUE	7.27E-25
FEV1FVC	CTNNA1	rs113345883	T	C	0.341	0.048	0.017	1.40E-12	0.003	0.009	0.758	0.002	50.180	TRUE	1.65E-11
FEV1FVC	CTNNA1	rs113381014	T	C	0.271	0.038	0.018	5.92E-13	0.009	0.010	0.378	0.002	51.868	TRUE	2.20E-11
FEV1FVC	CTNNA1	rs113883338	A	G	-0.675	0.016	0.077	0.00E+00	0.006	0.005	0.229	0.052	1752.209	TRUE	0.00E+00
FEV1FVC	CTNNA1	rs114801866	T	G	0.175	0.032	0.020	3.17E-08	-0.002	0.009	0.792	0.001	30.601	TRUE	1.50E-07
FEV1FVC	CTNNA1	rs114818254	A	G	0.297	0.037	0.017	5.32E-16	0.017	0.008	0.032	0.002	65.671	TRUE	5.41E-13
FEV1FVC	CTNNA1	rs11552054	C	A	-0.620	0.021	0.037	8.31E-191	-0.002	0.006	0.738	0.027	868.074	TRUE	2.92E-174
FEV1FVC	CTNNA1	rs116649680	T	C	-0.392	0.025	0.036	1.61E-56	0.014	0.013	0.278	0.008	250.939	TRUE	1.91E-50
FEV1FVC	CTNNA1	rs11739814	T	C	-0.547	0.040	0.015	3.06E-42	0.008	0.009	0.411	0.006	185.481	TRUE	6.17E-38
FEV1FVC	CTNNA1	rs11747454	A	G	0.294	0.010	0.190	6.89E-190	-0.001	0.003	0.738	0.027	863.853	TRUE	1.99E-173
FEV1FVC	CTNNA1	rs11748543	A	G	0.165	0.022	0.037	6.92E-14	-0.018	0.007	0.012	0.002	56.088	TRUE	6.59E-11
FEV1FVC	CTNNA1	rs1184557	A	G	-0.705	0.013	0.110	0.00E+00	0.010	0.004	0.021	0.085	2946.177	TRUE	0.00E+00
FEV1FVC	CTNNA1	rs11954206	A	G	-0.186	0.034	0.022	3.01E-08	-0.009	0.008	0.298	0.001	30.696	TRUE	4.38E-07
FEV1FVC	CTNNA1	rs12517918	T	C	0.237	0.023	0.034	1.21E-25	0.004	0.006	0.541	0.003	109.580	TRUE	3.97E-23
FEV1FVC	CTNNA1	rs13178336	C	T	0.242	0.018	0.056	4.72E-42	0.007	0.005	0.193	0.006	184.621	TRUE	4.85E-37
FEV1FVC	CTNNA1	rs138247695	A	G	0.213	0.033	0.022	1.73E-10	0.003	0.008	0.658	0.001	40.753	TRUE	1.68E-09
FEV1FVC	CTNNA1	rs139090494	A	G	-0.256	0.040	0.013	2.14E-10	-0.001	0.011	0.927	0.001	40.328	TRUE	1.16E-09
FEV1FVC	CTNNA1	rs139183358	A	G	0.266	0.020	0.051	9.55E-41	0.002	0.005	0.639	0.006	178.639	TRUE	4.05E-37
FEV1FVC	CTNNA1	rs142900298	T	C	0.319	0.035	0.017	9.94E-20	0.004	0.007	0.525	0.003	82.616	TRUE	1.01E-17
FEV1FVC	CTNNA1	rs143144975	G	T	-0.283	0.033	0.019	5.33E-18	0.010	0.009	0.234	0.002	74.749	TRUE	1.26E-15
FEV1FVC	CTNNA1	rs143963031	G	A	0.265	0.022	0.039	7.00E-35	-0.029	0.008	2.71E-04	0.005	151.793	TRUE	1.83E-27
FEV1FVC	CTNNA1	rs146062774	A	G	-0.545	0.086	0.014	2.83E-10	-0.013	0.013	0.314	0.001	39.788	TRUE	6.64E-09
FEV1FVC	CTNNA1	rs147454089	G	T	0.317	0.031	0.023	1.17E-24	-0.002	0.007	0.792	0.003	105.076	TRUE	1.23E-22
FEV1FVC	CTNNA1	rs148665639	G	A	0.241	0.042	0.016	1.31E-08	-0.022	0.013	0.088	0.001	32.317	TRUE	5.50E-07
FEV1FVC	CTNNA1	rs150507411	T	C	0.326	0.016	0.081	1.64E-97	-0.003	0.004	0.391	0.014	439.142	TRUE	4.74E-88
FEV1FVC	CTNNA1	rs150857930	G	A	-0.667	0.059	0.013	1.11E-29	-0.016	0.013	0.195	0.004	128.008	TRUE	6.12E-26
FEV1FVC	CTNNA1	rs17286171	T	C	0.330	0.011	0.166	2.20E-215	-0.004	0.003	0.238	0.030	981.133	TRUE	1.20E-193
FEV1FVC	CTNNA1	rs182696447	C	T	0.268	0.032	0.020	2.93E-17	-0.003	0.007	0.678	0.002	71.388	TRUE	1.06E-15
FEV1FVC	CTNNA1	rs184488056	A	G	-0.389	0.043	0.021	2.21E-19	0.012	0.009	0.183	0.003	81.038	TRUE	1.02E-16
FEV1FVC	CTNNA1	rs2012027	C	T	0.112	0.009	0.287	1.19E-36	-0.004	0.003	0.145	0.005	159.897	TRUE	5.53E-32
FEV1FVC	CTNNA1	rs2060213	C	T	-0.076	0.009	0.247	9.88E-17	-0.001	0.003	0.848	0.002	68.989	TRUE	1.96E-15
FEV1FVC	CTNNA1	rs2231468	T	C	-0.077	0.008	0.429	1.25E-21	0.006	0.002	0.023	0.003	91.265	TRUE	1.03E-17
FEV1FVC	CTNNA1	rs2292268	G	A	0.382	0.016	0.073	6.18E-129	-0.003	0.005	0.573	0.018	583.558	TRUE	2.32E-117

FEV1FVC	CTNNA1	rs28419191	T	C	0.210	0.013	0.126	2.25E-61	-0.006	0.004	0.117	0.009	273.208	TRUE	6.55E-54
FEV1FVC	CTNNA1	rs28745577	A	G	0.300	0.037	0.016	7.05E-16	-0.004	0.009	0.664	0.002	65.114	TRUE	2.06E-14
FEV1FVC	CTNNA1	rs288006	C	T	-0.537	0.052	0.017	1.32E-24	0.003	0.012	0.797	0.003	104.843	TRUE	1.37E-22
FEV1FVC	CTNNA1	rs28817902	G	A	0.150	0.014	0.098	1.55E-28	-0.001	0.004	0.868	0.004	122.780	TRUE	2.50E-26
FEV1FVC	CTNNA1	rs4835644	C	T	0.150	0.013	0.112	2.52E-31	-0.004	0.004	0.343	0.004	135.526	TRUE	7.29E-28
FEV1FVC	CTNNA1	rs4835682	C	T	-0.117	0.008	0.439	1.42E-48	0.006	0.002	0.009	0.007	214.509	TRUE	7.63E-41
FEV1FVC	CTNNA1	rs4835693	C	A	0.105	0.010	0.219	9.79E-27	-0.004	0.003	0.131	0.004	114.560	TRUE	5.04E-23
FEV1FVC	CTNNA1	rs58914268	C	T	-0.499	0.010	0.199	0.00E+00	0.004	0.003	0.181	0.076	2593.487	TRUE	0.00E+00
FEV1FVC	CTNNA1	rs59059576	A	G	0.246	0.041	0.021	2.91E-09	-0.003	0.019	0.891	0.001	35.239	TRUE	1.38E-08
FEV1FVC	CTNNA1	rs62381229	A	C	0.360	0.023	0.035	1.33E-57	-0.001	0.006	0.910	0.008	255.900	TRUE	3.72E-53
FEV1FVC	CTNNA1	rs62382367	T	C	0.105	0.011	0.143	2.40E-20	0.004	0.004	0.314	0.003	85.423	TRUE	6.58E-18
FEV1FVC	CTNNA1	rs6580190	T	C	0.220	0.013	0.115	6.72E-61	0.000	0.004	0.997	0.008	271.024	TRUE	2.11E-56
FEV1FVC	CTNNA1	rs6596446	C	T	-0.268	0.009	0.353	8.54E-204	0.008	0.003	0.004	0.028	927.822	TRUE	2.85E-177
FEV1FVC	CTNNA1	rs67665497	C	T	0.273	0.013	0.114	7.81E-97	0.004	0.003	0.228	0.014	436.028	TRUE	1.24E-86
FEV1FVC	CTNNA1	rs71596575	A	G	-0.139	0.013	0.109	2.17E-27	-0.001	0.004	0.841	0.004	117.550	TRUE	3.24E-25
FEV1FVC	CTNNA1	rs72790996	A	G	0.134	0.022	0.035	2.48E-09	-0.004	0.007	0.579	0.001	35.555	TRUE	2.29E-08
FEV1FVC	CTNNA1	rs72805831	T	C	-0.349	0.039	0.015	2.49E-19	-0.002	0.012	0.834	0.003	80.801	TRUE	8.44E-18
FEV1FVC	CTNNA1	rs72805855	G	A	-0.606	0.040	0.016	1.45E-52	0.000	0.010	0.990	0.007	232.798	TRUE	1.06E-48
FEV1FVC	CTNNA1	rs7379760	G	T	-0.090	0.008	0.325	1.44E-26	0.002	0.003	0.440	0.004	113.790	TRUE	8.84E-24
FEV1FVC	CTNNA1	rs76249205	G	T	0.154	0.028	0.025	4.14E-08	-0.010	0.008	0.203	0.001	30.081	TRUE	8.17E-07
FEV1FVC	CTNNA1	rs76624248	A	G	-0.357	0.019	0.049	3.34E-76	0.017	0.006	0.003	0.011	341.267	TRUE	2.01E-64
FEV1FVC	CTNNA1	rs77085797	A	G	0.172	0.013	0.110	4.47E-42	-0.013	0.004	7.19E-04	0.006	184.729	TRUE	5.67E-34
FEV1FVC	CTNNA1	rs77626370	T	C	-0.720	0.035	0.019	5.01E-95	0.006	0.008	0.435	0.013	427.726	TRUE	5.39E-86
FEV1FVC	CTNNA1	rs78978159	T	C	0.138	0.019	0.046	4.52E-13	0.004	0.006	0.446	0.002	52.400	TRUE	1.39E-11
FEV1FVC	CTNNA1	rs79253359	G	C	0.249	0.021	0.046	4.00E-31	-0.001	0.006	0.844	0.004	134.612	TRUE	1.15E-28
FEV1FVC	CTNNA1	rs80059114	A	G	-0.240	0.015	0.099	1.91E-59	0.001	0.004	0.778	0.008	264.359	TRUE	1.48E-54
FEV1FVC	CTSS	rs10888404	T	A	-0.142	0.009	0.312	6.61E-62	-0.001	0.003	0.800	0.009	275.649	TRUE	7.96E-57
FEV1FVC	CTSS	rs111428433	T	C	0.130	0.019	0.053	8.43E-12	0.002	0.005	0.756	0.001	46.660	TRUE	8.56E-11
FEV1FVC	CTSS	rs113321828	A	G	-0.208	0.016	0.067	6.05E-37	0.000	0.004	0.926	0.005	161.235	TRUE	3.60E-34
FEV1FVC	CTSS	rs114686710	T	G	0.182	0.017	0.063	1.05E-25	-0.006	0.005	0.226	0.003	109.857	TRUE	1.76E-22
FEV1FVC	CTSS	rs115183610	C	T	-0.317	0.037	0.015	2.12E-17	0.012	0.011	0.267	0.002	72.028	TRUE	3.60E-15
FEV1FVC	CTSS	rs11591113	T	C	0.093	0.016	0.067	6.06E-09	-0.001	0.004	0.763	0.001	33.812	TRUE	3.54E-08
FEV1FVC	CTSS	rs116021207	T	C	0.195	0.028	0.026	1.66E-12	0.001	0.008	0.873	0.002	49.852	TRUE	1.45E-11
FEV1FVC	CTSS	rs11806879	T	C	0.118	0.014	0.093	6.07E-17	0.016	0.004	1.22E-04	0.002	69.948	TRUE	2.49E-12
FEV1FVC	CTSS	rs12132987	A	G	-0.199	0.017	0.062	1.72E-32	-0.003	0.005	0.591	0.004	140.860	TRUE	1.80E-29
FEV1FVC	CTSS	rs146551579	A	T	-0.200	0.020	0.047	1.33E-22	0.003	0.007	0.702	0.003	95.709	TRUE	1.31E-20
FEV1FVC	CTSS	rs185775380	G	A	-0.249	0.044	0.015	1.30E-08	0.007	0.013	0.580	0.001	32.336	TRUE	1.03E-07
FEV1FVC	CTSS	rs2867300	C	G	0.334	0.009	0.411	0.00E+00	-0.005	0.002	0.032	0.046	1514.332	TRUE	5.96E-293
FEV1FVC	CTSS	rs41271951	G	A	-0.574	0.016	0.065	3.91E-284	0.000	0.004	0.952	0.039	1297.440	TRUE	1.20E-259
FEV1FVC	CTSS	rs55717234	A	G	-0.070	0.009	0.429	7.21E-15	0.000	0.003	0.878	0.002	60.537	TRUE	9.78E-14
FEV1FVC	CTSS	rs56411234	A	G	0.177	0.027	0.027	3.84E-11	-0.017	0.007	0.013	0.001	43.690	TRUE	1.27E-08
FEV1FVC	CTSS	rs59942146	A	G	0.135	0.016	0.071	1.09E-17	-0.006	0.006	0.292	0.002	73.330	TRUE	1.80E-15

FEV1FVC	CTSS	rs61817510	T	C	-0.140	0.020	0.055	1.24E-12	0.006	0.006	0.293	0.002	50.424	TRUE	5.81E-11
FEV1FVC	CTSS	rs61819198	G	A	-0.183	0.025	0.028	3.15E-13	0.006	0.008	0.423	0.002	53.109	TRUE	1.07E-11
FEV1FVC	CTSS	rs6668679	C	T	0.083	0.009	0.289	7.69E-21	0.011	0.003	2.00E-05	0.003	87.675	TRUE	3.39E-15
FEV1FVC	CTSS	rs6691736	G	T	-0.061	0.008	0.335	4.49E-13	0.005	0.003	0.036	0.002	52.411	TRUE	1.51E-10
FEV1FVC	CTSS	rs6693567	C	T	0.123	0.009	0.275	4.70E-44	0.006	0.003	0.024	0.006	193.794	TRUE	2.27E-37
FEV1FVC	CTSS	rs72656914	T	C	0.168	0.023	0.037	1.20E-13	0.011	0.006	0.079	0.002	55.011	TRUE	2.80E-11
FEV1FVC	CTSS	rs72706550	T	C	0.203	0.034	0.019	3.45E-09	-0.016	0.009	0.072	0.001	34.912	TRUE	2.02E-07
FEV1FVC	CTSS	rs72708423	C	T	0.153	0.010	0.203	9.15E-52	-0.002	0.003	0.490	0.007	229.131	TRUE	8.73E-47
FEV1FVC	CTSS	rs7552906	A	G	0.071	0.008	0.361	6.38E-18	0.001	0.003	0.579	0.002	74.396	TRUE	3.71E-16
FEV1FVC	CTSS	rs973374	A	G	-0.123	0.010	0.220	4.19E-38	0.001	0.003	0.768	0.005	166.544	TRUE	5.92E-35
FEV1FVC	CTTN	rs4570606	C	T	0.100	0.009	0.227	7.90E-26	-0.013	0.003	3.93E-06	0.003	110.419	TRUE	7.25E-19
FEV1FVC	CTTN	rs583347	A	G	0.050	0.008	0.341	2.57E-09	-0.004	0.003	0.114	0.001	35.484	TRUE	1.16E-07
FEV1FVC	CUL2	rs12573778	A	C	-0.049	0.009	0.382	2.53E-08	0.000	0.003	0.941	0.001	31.039	TRUE	9.28E-08
FEV1FVC	CUL2	rs150100376	A	G	0.236	0.029	0.025	6.53E-16	-0.003	0.007	0.685	0.002	65.266	TRUE	1.81E-14
FEV1FVC	CUL2	rs2384287	G	A	-0.178	0.009	0.356	1.32E-94	-0.006	0.003	0.016	0.013	425.803	TRUE	6.73E-82
FEV1FVC	CUL2	rs4934750	T	G	-0.083	0.010	0.235	3.33E-17	-0.008	0.003	0.004	0.002	71.131	TRUE	2.61E-13
FEV1FVC	CUL2	rs61843267	G	C	0.099	0.016	0.151	1.01E-09	-0.001	0.004	0.888	0.001	37.300	TRUE	5.25E-09
FEV1FVC	CUL2	rs75886007	A	G	-0.178	0.030	0.022	2.86E-09	-0.001	0.007	0.894	0.001	35.272	TRUE	1.35E-08
FEV1FVC	CUL2	rs7895662	G	A	-0.069	0.008	0.512	1.26E-16	-0.002	0.002	0.470	0.002	68.514	TRUE	7.66E-15
FEV1FVC	CUL2	rs79983062	T	G	-0.151	0.020	0.045	8.74E-14	-0.017	0.006	0.006	0.002	55.627	TRUE	1.23E-10
FEV1FVC	CX3CR1	rs114325248	C	T	0.169	0.031	0.021	3.96E-08	0.006	0.008	0.467	0.001	30.167	TRUE	3.60E-07
FEV1FVC	CX3CR1	rs114549077	G	A	0.130	0.020	0.046	1.26E-10	-0.003	0.006	0.620	0.001	41.363	TRUE	1.41E-09
FEV1FVC	CX3CR1	rs116009663	T	G	0.168	0.028	0.025	3.16E-09	-0.019	0.007	0.007	0.001	35.082	TRUE	6.59E-07
FEV1FVC	CX3CR1	rs11925155	C	T	-0.140	0.017	0.060	1.39E-16	0.002	0.005	0.764	0.002	68.322	TRUE	3.54E-15
FEV1FVC	CX3CR1	rs12636980	G	A	0.076	0.009	0.256	1.22E-16	-0.001	0.003	0.646	0.002	68.571	TRUE	4.24E-15
FEV1FVC	CX3CR1	rs13077681	G	T	-0.187	0.027	0.026	1.85E-12	-0.007	0.008	0.373	0.002	49.632	TRUE	6.18E-11
FEV1FVC	CX3CR1	rs13079368	C	T	-0.059	0.008	0.517	2.38E-13	0.003	0.002	0.282	0.002	53.658	TRUE	1.31E-11
FEV1FVC	CX3CR1	rs13095260	T	C	0.133	0.009	0.239	1.88E-45	-0.007	0.003	0.015	0.006	200.199	TRUE	2.56E-38
FEV1FVC	CX3CR1	rs1344220	C	T	-0.132	0.008	0.448	2.48E-60	0.001	0.002	0.681	0.008	268.425	TRUE	4.15E-55
FEV1FVC	CX3CR1	rs145870212	C	T	0.305	0.036	0.017	1.70E-17	0.010	0.009	0.313	0.002	72.463	TRUE	2.43E-15
FEV1FVC	CX3CR1	rs151208988	T	C	-0.279	0.047	0.014	3.91E-09	0.020	0.017	0.236	0.001	34.664	TRUE	9.04E-08
FEV1FVC	CX3CR1	rs2649759	T	C	0.073	0.008	0.407	8.02E-19	-0.003	0.002	0.292	0.002	78.491	TRUE	1.69E-16
FEV1FVC	CX3CR1	rs35111246	C	T	-0.159	0.027	0.026	3.36E-09	0.003	0.008	0.728	0.001	34.963	TRUE	2.19E-08
FEV1FVC	CX3CR1	rs3732379	T	C	-0.053	0.009	0.261	9.98E-09	-0.001	0.003	0.856	0.001	32.842	TRUE	4.67E-08
FEV1FVC	CX3CR1	rs4386433	G	A	0.119	0.018	0.055	6.60E-11	-0.002	0.005	0.631	0.001	42.631	TRUE	7.57E-10
FEV1FVC	CX3CR1	rs562545	A	G	-0.048	0.008	0.393	6.56E-09	0.002	0.003	0.459	0.001	33.659	TRUE	7.10E-08
FEV1FVC	CX3CR1	rs7432727	T	C	0.074	0.008	0.425	7.24E-20	-0.003	0.002	0.251	0.003	83.242	TRUE	2.61E-17
FEV1FVC	CX3CR1	rs75486731	A	G	-0.142	0.025	0.029	1.29E-08	-0.004	0.007	0.547	0.001	32.342	TRUE	1.09E-07
FEV1FVC	CX3CR1	rs75562077	G	A	-0.186	0.030	0.021	3.89E-10	-0.011	0.009	0.245	0.001	39.165	TRUE	1.14E-08
FEV1FVC	CX3CR1	rs76184860	C	T	-0.130	0.024	0.030	3.49E-08	0.003	0.008	0.753	0.001	30.413	TRUE	1.76E-07
FEV1FVC	CX3CR1	rs7651994	A	G	0.318	0.015	0.073	4.32E-94	-0.009	0.004	0.046	0.013	423.426	TRUE	2.42E-82
FEV1FVC	CX3CR1	rs77498900	G	A	-0.205	0.028	0.022	1.16E-13	0.002	0.009	0.820	0.002	55.077	TRUE	1.43E-12

FEV1FVC	CX3CR1	rs79659083	A	C	0.321	0.016	0.064	5.47E-85	-0.005	0.005	0.281	0.012	381.615	TRUE	3.07E-76
FEV1FVC	CX3CR1	rs938200	A	C	-0.064	0.008	0.383	1.21E-14	-0.002	0.002	0.475	0.002	59.521	TRUE	4.75E-13
FEV1FVC	CX3CR1	rs9823718	G	C	-0.201	0.014	0.085	2.81E-44	0.001	0.004	0.755	0.006	194.813	TRUE	1.36E-40
FEV1FVC	DEPTOR	rs10283100	A	G	0.140	0.019	0.058	3.21E-13	-0.001	0.005	0.888	0.002	53.073	TRUE	3.07E-12
FEV1FVC	DEPTOR	rs117257206	A	G	-0.091	0.015	0.091	2.07E-09	0.004	0.005	0.383	0.001	35.904	TRUE	3.16E-08
FEV1FVC	DEPTOR	rs1467044	G	A	-0.202	0.009	0.489	3.95E-122	-0.009	0.002	1.32E-04	0.017	552.283	TRUE	1.05E-102
FEV1FVC	DEPTOR	rs147626496	A	G	0.236	0.040	0.020	3.31E-09	-0.020	0.015	0.160	0.001	34.990	TRUE	1.07E-07
FEV1FVC	DEPTOR	rs2063284	G	A	-0.136	0.010	0.232	3.10E-40	-0.007	0.003	0.013	0.006	176.300	TRUE	9.79E-34
FEV1FVC	DEPTOR	rs28570063	A	G	-0.146	0.025	0.032	5.93E-09	0.002	0.008	0.776	0.001	33.854	TRUE	3.31E-08
FEV1FVC	DEPTOR	rs57411572	C	T	-0.141	0.016	0.078	2.87E-18	-0.002	0.005	0.657	0.002	75.970	TRUE	1.38E-16
FEV1FVC	DEPTOR	rs62526560	G	A	0.162	0.018	0.082	9.17E-20	0.001	0.004	0.745	0.003	82.775	TRUE	4.48E-18
FEV1FVC	DEPTOR	rs62528695	T	C	-0.218	0.033	0.019	5.25E-11	-0.010	0.009	0.292	0.001	43.078	TRUE	1.63E-09
FEV1FVC	DEPTOR	rs7017581	G	A	-0.068	0.009	0.488	4.82E-15	0.002	0.002	0.383	0.002	61.327	TRUE	2.90E-13
FEV1FVC	DEPTOR	rs74759746	A	G	0.105	0.019	0.065	4.99E-08	-0.009	0.005	0.048	0.001	29.718	TRUE	2.47E-06
FEV1FVC	DEPTOR	rs78898975	C	T	-0.233	0.040	0.015	4.72E-09	-0.002	0.009	0.812	0.001	34.298	TRUE	2.53E-08
FEV1FVC	ENTPD4	rs1051146	T	C	0.097	0.009	0.256	1.32E-26	0.006	0.003	0.021	0.004	113.961	TRUE	5.02E-22
FEV1FVC	ENTPD4	rs11782370	T	C	0.092	0.010	0.209	5.01E-21	-0.001	0.003	0.860	0.003	88.524	TRUE	2.17E-19
FEV1FVC	ENTPD4	rs11784416	G	A	0.198	0.033	0.018	1.49E-09	0.002	0.008	0.820	0.001	36.549	TRUE	8.56E-09
FEV1FVC	ENTPD4	rs12549539	A	G	0.323	0.009	0.220	1.37E-257	0.007	0.003	0.011	0.036	1175.300	TRUE	2.13E-226
FEV1FVC	ENTPD4	rs12549767	C	G	0.220	0.024	0.033	9.35E-20	0.003	0.008	0.697	0.003	82.736	TRUE	5.29E-18
FEV1FVC	ENTPD4	rs138440472	G	A	-0.107	0.015	0.083	4.38E-13	0.000	0.004	0.923	0.002	52.464	TRUE	3.76E-12
FEV1FVC	ENTPD4	rs139050992	A	G	0.355	0.064	0.016	3.54E-08	0.007	0.017	0.706	0.001	30.385	TRUE	1.97E-07
FEV1FVC	ENTPD4	rs139665958	T	C	-0.145	0.023	0.039	1.57E-10	-0.012	0.006	0.051	0.001	40.942	TRUE	1.77E-08
FEV1FVC	ENTPD4	rs144973738	T	C	-0.245	0.031	0.025	2.09E-15	-0.004	0.007	0.601	0.002	62.976	TRUE	6.63E-14
FEV1FVC	ENTPD4	rs147249799	A	G	0.219	0.035	0.018	4.87E-10	0.003	0.007	0.711	0.001	38.726	TRUE	3.86E-09
FEV1FVC	ENTPD4	rs151323042	C	T	0.301	0.034	0.017	7.09E-19	0.004	0.008	0.632	0.002	78.733	TRUE	4.19E-17
FEV1FVC	ENTPD4	rs17833222	T	C	0.074	0.013	0.118	4.96E-09	-0.001	0.004	0.833	0.001	34.202	TRUE	2.49E-08
FEV1FVC	ENTPD4	rs28522080	A	C	0.061	0.008	0.483	2.33E-14	0.001	0.002	0.617	0.002	58.225	TRUE	5.70E-13
FEV1FVC	ENTPD4	rs60144670	C	T	-0.179	0.020	0.044	2.94E-19	-0.001	0.007	0.830	0.003	80.470	TRUE	1.01E-17
FEV1FVC	ENTPD4	rs7003364	C	T	-0.050	0.008	0.461	4.48E-10	0.000	0.002	0.897	0.001	38.888	TRUE	2.41E-09
FEV1FVC	ENTPD4	rs73226478	A	G	0.066	0.009	0.248	8.16E-13	0.004	0.003	0.099	0.002	51.240	TRUE	1.14E-10
FEV1FVC	ENTPD4	rs78114067	T	G	0.232	0.040	0.015	4.85E-09	0.002	0.009	0.812	0.001	34.246	TRUE	2.58E-08
FEV1FVC	ENTPD4	rs78347499	T	C	-0.128	0.012	0.138	4.70E-25	-0.002	0.004	0.627	0.003	106.884	TRUE	9.74E-23
FEV1FVC	ENTPD4	rs78884740	C	T	0.816	0.055	0.030	2.08E-49	0.025	0.013	0.053	0.007	218.328	TRUE	1.27E-42
FEV1FVC	EPM2A	rs117045948	T	C	0.159	0.018	0.065	6.59E-19	-0.005	0.005	0.340	0.002	78.878	TRUE	1.18E-16
FEV1FVC	EPM2A	rs117920128	A	G	0.202	0.032	0.021	2.66E-10	-0.017	0.008	0.046	0.001	39.909	TRUE	3.06E-08
FEV1FVC	EPM2A	rs1322211	A	G	-0.046	0.008	0.389	2.27E-08	-0.007	0.003	0.007	0.001	31.248	TRUE	3.25E-06
FEV1FVC	EPM2A	rs148168893	T	G	0.240	0.039	0.015	6.38E-10	-0.006	0.011	0.602	0.001	38.200	TRUE	6.38E-09
FEV1FVC	EPM2A	rs17373628	A	G	-0.134	0.020	0.044	9.92E-12	-0.005	0.006	0.424	0.001	46.340	TRUE	2.37E-10
FEV1FVC	EPM2A	rs17821556	G	T	-0.183	0.025	0.033	1.51E-13	-0.008	0.007	0.283	0.002	54.553	TRUE	9.27E-12
FEV1FVC	EPM2A	rs1970307	C	T	0.138	0.021	0.046	3.70E-11	0.001	0.006	0.833	0.001	43.763	TRUE	2.80E-10
FEV1FVC	EPM2A	rs34292537	T	C	-0.133	0.019	0.048	2.14E-12	-0.005	0.006	0.428	0.002	49.345	TRUE	5.90E-11

FEV1FVC	EPM2A	rs450973	A	C	-0.246	0.008	0.490	2.73E-210	-0.005	0.002	0.035	0.029	957.703	TRUE	7.02E-186
FEV1FVC	EPM2A	rs522600	G	C	0.053	0.008	0.384	2.43E-10	0.003	0.002	0.261	0.001	40.082	TRUE	7.11E-09
FEV1FVC	EPM2A	rs6902581	T	C	-0.077	0.010	0.212	4.76E-15	0.004	0.003	0.229	0.002	61.355	TRUE	5.57E-13
FEV1FVC	EPM2A	rs72996943	C	T	0.138	0.015	0.081	4.37E-20	0.002	0.004	0.728	0.003	84.241	TRUE	2.45E-18
FEV1FVC	EPM2A	rs73008782	G	T	-0.088	0.013	0.113	2.21E-11	-0.004	0.004	0.364	0.001	44.772	TRUE	6.02E-10
FEV1FVC	EPM2A	rs74723503	C	G	-0.212	0.024	0.029	1.50E-18	-0.001	0.008	0.868	0.002	77.252	TRUE	4.05E-17
FEV1FVC	EPM2A	rs74932681	C	T	0.153	0.016	0.073	7.21E-22	0.011	0.004	0.011	0.003	92.357	TRUE	1.22E-17
FEV1FVC	EPM2A	rs75099786	T	G	0.170	0.029	0.027	4.86E-09	0.008	0.007	0.282	0.001	34.244	TRUE	9.42E-08
FEV1FVC	EPM2A	rs7776300	G	C	-0.143	0.010	0.229	8.56E-51	0.001	0.003	0.664	0.007	224.678	TRUE	2.20E-46
FEV1FVC	EPM2A	rs80317377	T	A	-0.254	0.026	0.026	7.54E-22	0.005	0.007	0.479	0.003	92.269	TRUE	1.43E-19
FEV1FVC	ERBB3	rs11171739	C	T	-0.168	0.008	0.400	2.05E-94	-0.011	0.002	2.15E-06	0.013	424.916	TRUE	1.66E-76
FEV1FVC	ERBB3	rs140116753	G	A	-0.141	0.020	0.050	1.43E-12	-0.008	0.005	0.140	0.002	50.140	TRUE	1.45E-10
FEV1FVC	ERBB3	rs150823486	A	G	0.124	0.022	0.045	9.57E-09	0.009	0.005	0.098	0.001	32.925	TRUE	3.89E-07
FEV1FVC	ERBB3	rs773662	C	T	-0.091	0.015	0.075	2.12E-09	0.001	0.004	0.757	0.001	35.856	TRUE	1.34E-08
FEV1FVC	ERP29	rs11066119	G	A	-0.220	0.014	0.103	1.93E-53	0.009	0.004	0.026	0.007	236.810	TRUE	1.01E-45
FEV1FVC	ERP29	rs4767475	G	A	-0.168	0.024	0.029	3.20E-12	0.005	0.010	0.599	0.002	48.558	TRUE	5.30E-11
FEV1FVC	FADS2	rs10792318	G	A	0.365	0.010	0.220	0.00E+00	-0.004	0.003	0.175	0.043	1425.197	TRUE	3.29E-279
FEV1FVC	FADS2	rs10792328	C	G	-0.072	0.009	0.323	1.27E-16	0.004	0.003	0.093	0.002	68.491	TRUE	5.67E-14
FEV1FVC	FADS2	rs11230741	A	G	-0.145	0.014	0.149	3.62E-26	0.007	0.003	0.023	0.004	111.967	TRUE	1.19E-21
FEV1FVC	FADS2	rs11230749	T	C	0.139	0.013	0.147	2.28E-26	-0.002	0.003	0.481	0.004	112.888	TRUE	1.12E-23
FEV1FVC	FADS2	rs113038217	T	C	-0.160	0.027	0.034	2.34E-09	-0.001	0.006	0.902	0.001	35.663	TRUE	1.11E-08
FEV1FVC	FADS2	rs117063624	T	C	-0.174	0.030	0.020	5.39E-09	-0.003	0.007	0.659	0.001	34.040	TRUE	3.95E-08
FEV1FVC	FADS2	rs117110139	A	G	0.946	0.029	0.023	6.33E-238	-0.008	0.006	0.207	0.033	1084.833	TRUE	1.76E-213
FEV1FVC	FADS2	rs117609511	T	C	0.579	0.047	0.014	3.03E-35	-0.011	0.009	0.220	0.005	153.458	TRUE	5.02E-31
FEV1FVC	FADS2	rs117983270	C	T	0.836	0.024	0.034	6.99E-276	-0.006	0.006	0.351	0.038	1259.474	TRUE	9.37E-249
FEV1FVC	FADS2	rs12577068	A	G	0.114	0.014	0.087	7.92E-16	-0.004	0.004	0.298	0.002	64.885	TRUE	8.20E-14
FEV1FVC	FADS2	rs137915577	A	G	0.760	0.052	0.013	4.89E-48	-0.018	0.010	0.064	0.007	212.044	TRUE	1.54E-41
FEV1FVC	FADS2	rs138012803	A	G	0.918	0.052	0.014	5.26E-70	-0.004	0.012	0.733	0.010	312.817	TRUE	4.10E-64
FEV1FVC	FADS2	rs144073142	T	G	0.211	0.039	0.023	4.32E-08	-0.019	0.012	0.114	0.001	30.000	TRUE	1.27E-06
FEV1FVC	FADS2	rs144446240	A	C	0.351	0.052	0.013	1.22E-11	0.015	0.012	0.231	0.001	45.944	TRUE	5.70E-10
FEV1FVC	FADS2	rs145786300	A	G	0.540	0.049	0.012	4.04E-28	0.001	0.011	0.935	0.004	120.882	TRUE	4.80E-26
FEV1FVC	FADS2	rs1692116	A	G	-0.121	0.012	0.136	1.37E-25	0.007	0.004	0.045	0.003	109.324	TRUE	1.78E-21
FEV1FVC	FADS2	rs17145892	T	A	0.094	0.011	0.173	5.03E-19	-0.008	0.003	0.009	0.003	79.412	TRUE	3.64E-15
FEV1FVC	FADS2	rs174452	A	G	-0.191	0.014	0.092	1.56E-41	0.003	0.004	0.405	0.006	182.239	TRUE	3.04E-37
FEV1FVC	FADS2	rs174472	G	A	0.135	0.009	0.420	2.76E-54	0.003	0.002	0.248	0.008	240.687	TRUE	2.85E-48
FEV1FVC	FADS2	rs174548	G	C	0.586	0.008	0.302	0.00E+00	-0.007	0.003	0.004	0.143	5270.982	TRUE	0.00E+00
FEV1FVC	FADS2	rs174569	C	T	0.230	0.028	0.022	2.36E-16	-0.009	0.009	0.333	0.002	67.268	TRUE	2.34E-14
FEV1FVC	FADS2	rs174602	C	T	0.213	0.011	0.195	3.57E-90	-0.003	0.003	0.405	0.013	405.428	TRUE	1.94E-81
FEV1FVC	FADS2	rs1791799	C	A	-0.079	0.009	0.429	5.76E-20	0.003	0.002	0.249	0.003	83.695	TRUE	2.13E-17
FEV1FVC	FADS2	rs193080301	T	C	0.239	0.043	0.015	3.98E-08	0.001	0.011	0.926	0.001	30.158	TRUE	1.44E-07
FEV1FVC	FADS2	rs195167	A	G	0.151	0.015	0.075	2.35E-23	-0.008	0.004	0.079	0.003	99.136	TRUE	8.48E-20
FEV1FVC	FADS2	rs1969544	G	A	0.056	0.008	0.390	8.52E-12	0.002	0.002	0.356	0.001	46.640	TRUE	2.55E-10

FEV1FVC	FADS2	rs198447	G	A	0.098	0.009	0.407	2.49E-29	0.003	0.002	0.281	0.004	126.411	TRUE	6.83E-26
FEV1FVC	FADS2	rs2259606	G	A	-0.075	0.011	0.158	5.46E-12	0.005	0.003	0.116	0.001	47.510	TRUE	5.71E-10
FEV1FVC	FADS2	rs2463839	C	G	0.050	0.009	0.286	1.82E-08	-0.003	0.003	0.281	0.001	31.677	TRUE	2.96E-07
FEV1FVC	FADS2	rs2521569	A	G	0.240	0.015	0.076	1.27E-55	-0.001	0.005	0.823	0.008	246.827	TRUE	4.01E-51
FEV1FVC	FADS2	rs2521572	T	G	0.279	0.019	0.048	2.10E-50	-0.005	0.006	0.404	0.007	222.897	TRUE	2.50E-45
FEV1FVC	FADS2	rs2524294	A	G	-0.051	0.009	0.364	4.43E-09	0.000	0.003	0.991	0.001	34.424	TRUE	1.63E-08
FEV1FVC	FADS2	rs28720321	A	G	0.295	0.038	0.019	3.64E-15	-0.004	0.009	0.644	0.002	61.879	TRUE	9.70E-14
FEV1FVC	FADS2	rs2924438	G	A	-0.122	0.019	0.049	1.78E-10	-0.005	0.006	0.451	0.001	40.686	TRUE	2.91E-09
FEV1FVC	FADS2	rs35827276	T	C	-0.219	0.034	0.021	1.04E-10	0.016	0.008	0.043	0.001	41.747	TRUE	1.40E-08
FEV1FVC	FADS2	rs498793	T	C	-0.182	0.009	0.373	1.60E-82	0.003	0.003	0.283	0.012	370.292	TRUE	5.51E-74
FEV1FVC	FADS2	rs520298	T	C	-0.181	0.015	0.081	6.07E-34	0.006	0.004	0.167	0.005	147.501	TRUE	1.24E-29
FEV1FVC	FADS2	rs61896137	G	A	0.613	0.070	0.015	1.30E-18	-0.004	0.012	0.729	0.002	77.534	TRUE	5.39E-17
FEV1FVC	FADS2	rs61896703	A	G	0.108	0.012	0.129	1.69E-19	-0.001	0.004	0.718	0.003	81.572	TRUE	8.73E-18
FEV1FVC	FADS2	rs7118175	C	T	0.157	0.016	0.066	6.98E-22	-0.006	0.004	0.148	0.003	92.423	TRUE	8.32E-19
FEV1FVC	FADS2	rs71490346	T	C	-0.070	0.009	0.230	1.03E-13	0.003	0.003	0.230	0.002	55.305	TRUE	8.07E-12
FEV1FVC	FADS2	rs72914292	T	C	-0.096	0.015	0.074	2.45E-10	0.002	0.005	0.690	0.001	40.071	TRUE	2.16E-09
FEV1FVC	FADS2	rs72918076	T	C	-0.157	0.026	0.029	2.16E-09	-0.001	0.006	0.832	0.001	35.818	TRUE	1.16E-08
FEV1FVC	FADS2	rs740006	C	T	-0.210	0.014	0.105	5.24E-52	0.002	0.004	0.602	0.007	230.242	TRUE	2.51E-47
FEV1FVC	FADS2	rs74652144	A	G	0.165	0.021	0.039	8.05E-15	-0.004	0.006	0.428	0.002	60.320	TRUE	3.82E-13
FEV1FVC	FADS2	rs75938339	C	T	0.791	0.051	0.013	4.33E-55	-0.015	0.011	0.143	0.008	244.381	TRUE	1.77E-48
FEV1FVC	FADS2	rs76133863	G	A	-0.196	0.032	0.022	6.07E-10	-0.012	0.007	0.085	0.001	38.297	TRUE	4.08E-08
FEV1FVC	FADS2	rs77053629	T	C	-0.163	0.020	0.043	1.34E-15	0.004	0.006	0.473	0.002	63.842	TRUE	6.55E-14
FEV1FVC	FADS2	rs77946872	G	C	-0.113	0.017	0.064	3.43E-11	0.008	0.006	0.133	0.001	43.912	TRUE	2.39E-09
FEV1FVC	FADS2	rs79250201	A	G	0.672	0.062	0.022	1.28E-27	0.004	0.012	0.736	0.004	118.598	TRUE	2.89E-25
FEV1FVC	FADS2	rs7942717	G	A	0.135	0.016	0.078	6.14E-18	0.000	0.004	0.933	0.002	74.472	TRUE	1.24E-16
FEV1FVC	FADS2	rs79502317	G	T	0.218	0.010	0.221	1.15E-115	-0.003	0.003	0.366	0.016	522.576	TRUE	1.96E-104
FEV1FVC	FADS2	rs79969098	A	G	-0.292	0.028	0.036	7.17E-26	-0.004	0.007	0.554	0.003	110.613	TRUE	2.31E-23
FEV1FVC	FASTK	rs2069443	G	T	-0.069	0.010	0.265	8.00E-12	0.005	0.003	0.074	0.001	46.764	TRUE	1.13E-09
FEV1FVC	FASTK	rs34308016	T	C	0.108	0.011	0.173	1.23E-21	0.010	0.003	9.10E-04	0.003	91.308	TRUE	1.02E-16
FEV1FVC	FGFR1	rs10958704	G	A	0.273	0.008	0.408	3.39E-258	0.012	0.002	9.37E-07	0.036	1178.095	TRUE	7.08E-218
FEV1FVC	FGFR1	rs111903390	C	G	-0.194	0.028	0.026	2.69E-12	-0.009	0.008	0.224	0.002	48.902	TRUE	1.57E-10
FEV1FVC	FGFR1	rs12115124	T	G	0.053	0.009	0.246	2.90E-08	0.003	0.003	0.282	0.001	30.772	TRUE	4.43E-07
FEV1FVC	FGFR1	rs138012741	G	A	0.629	0.028	0.025	1.54E-112	0.007	0.007	0.316	0.016	508.200	TRUE	2.45E-101
FEV1FVC	FGFR1	rs141368811	T	G	0.111	0.017	0.059	4.98E-11	0.001	0.005	0.820	0.001	43.183	TRUE	3.75E-10
FEV1FVC	FGFR1	rs147185839	T	C	0.156	0.029	0.022	4.73E-08	0.013	0.008	0.097	0.001	29.823	TRUE	1.52E-06
FEV1FVC	FGFR1	rs1665503	A	G	-0.067	0.008	0.350	1.61E-15	-0.004	0.003	0.085	0.002	63.491	TRUE	5.49E-13
FEV1FVC	FGFR1	rs17182134	A	C	-0.357	0.015	0.071	2.94E-118	0.003	0.004	0.573	0.017	534.485	TRUE	1.24E-107
FEV1FVC	FGFR1	rs328291	A	G	0.179	0.009	0.233	1.03E-80	0.003	0.003	0.272	0.011	361.988	TRUE	2.75E-72
FEV1FVC	FGFR1	rs35352052	T	C	0.117	0.016	0.067	2.72E-13	0.007	0.005	0.140	0.002	53.401	TRUE	3.32E-11
FEV1FVC	FGFR1	rs62505467	T	C	0.143	0.020	0.051	5.38E-13	0.000	0.005	0.939	0.002	52.058	TRUE	4.49E-12
FEV1FVC	FGFR1	rs7001849	T	C	0.066	0.008	0.445	1.23E-16	0.003	0.002	0.180	0.002	68.561	TRUE	2.82E-14
FEV1FVC	FGFR1	rs75923541	A	G	-0.155	0.013	0.111	6.87E-34	-0.008	0.004	0.033	0.005	147.254	TRUE	1.35E-28

FEV1FVC	FGFR1	rs7817409	T	C	0.064	0.011	0.170	1.90E-09	0.006	0.003	0.097	0.001	36.067	TRUE	9.91E-08
FEV1FVC	FGFR1	rs802170	T	A	-0.067	0.010	0.304	4.12E-11	0.001	0.003	0.853	0.001	43.555	TRUE	2.95E-10
FEV1FVC	FNIP2	rs10009938	G	A	-0.056	0.008	0.421	8.95E-12	0.001	0.003	0.635	0.001	46.542	TRUE	1.23E-10
FEV1FVC	FNIP2	rs112718322	C	A	-0.159	0.022	0.036	9.85E-13	-0.012	0.006	0.056	0.002	50.871	TRUE	2.24E-10
FEV1FVC	FNIP2	rs115154624	G	A	-0.222	0.031	0.022	7.67E-13	-0.014	0.008	0.076	0.002	51.363	TRUE	1.40E-10
FEV1FVC	FNIP2	rs116113577	C	T	-0.249	0.040	0.017	3.84E-10	0.009	0.012	0.437	0.001	39.193	TRUE	6.07E-09
FEV1FVC	FNIP2	rs13119680	A	G	-0.250	0.040	0.015	3.07E-10	-0.007	0.010	0.488	0.001	39.629	TRUE	4.34E-09
FEV1FVC	FNIP2	rs146101133	A	G	-0.203	0.032	0.020	1.34E-10	-0.027	0.010	0.006	0.001	41.245	TRUE	5.54E-08
FEV1FVC	FNIP2	rs150430651	C	T	0.215	0.039	0.015	3.45E-08	0.003	0.011	0.825	0.001	30.433	TRUE	1.53E-07
FEV1FVC	FNIP2	rs17037731	G	T	0.268	0.021	0.037	3.81E-37	0.011	0.006	0.065	0.005	162.155	TRUE	7.33E-32
FEV1FVC	FNIP2	rs35747642	G	T	-0.242	0.008	0.372	7.74E-193	-0.006	0.003	0.017	0.027	877.418	TRUE	2.05E-169
FEV1FVC	FNIP2	rs6536350	G	A	-0.096	0.011	0.174	9.48E-20	0.000	0.003	0.896	0.003	82.710	TRUE	2.89E-18
FEV1FVC	FNIP2	rs6818858	A	G	0.132	0.016	0.070	4.24E-17	0.003	0.005	0.519	0.002	70.660	TRUE	2.54E-15
FEV1FVC	FNIP2	rs72695488	A	T	0.149	0.012	0.137	6.10E-37	0.001	0.003	0.877	0.005	161.217	TRUE	4.38E-34
FEV1FVC	FNIP2	rs7435789	T	C	-0.064	0.010	0.211	8.24E-11	0.000	0.003	0.893	0.001	42.198	TRUE	5.16E-10
FEV1FVC	FNIP2	rs76327892	T	C	0.133	0.021	0.040	1.02E-10	-0.007	0.006	0.262	0.001	41.781	TRUE	3.33E-09
FEV1FVC	FNIP2	rs76610881	G	A	0.111	0.014	0.094	9.22E-16	0.001	0.004	0.749	0.002	64.587	TRUE	2.04E-14
FEV1FVC	FNIP2	rs7665744	G	A	-0.055	0.010	0.197	3.79E-08	0.004	0.003	0.181	0.001	30.250	TRUE	8.01E-07
FEV1FVC	FNIP2	rs7671903	A	G	0.084	0.008	0.444	8.79E-26	-0.001	0.002	0.816	0.003	110.210	TRUE	1.10E-23
FEV1FVC	FNIP2	rs77143685	G	T	-0.172	0.022	0.035	7.90E-15	0.012	0.007	0.075	0.002	60.357	TRUE	2.69E-12
FEV1FVC	FNIP2	rs77229150	A	C	-0.116	0.018	0.052	2.28E-10	-0.003	0.005	0.518	0.001	40.208	TRUE	3.14E-09
FEV1FVC	FNIP2	rs78126162	C	T	-0.156	0.020	0.044	4.61E-15	-0.001	0.006	0.837	0.002	61.415	TRUE	7.04E-14
FEV1FVC	FNIP2	rs78665148	C	A	-0.137	0.023	0.034	1.32E-09	0.007	0.006	0.309	0.001	36.784	TRUE	2.67E-08
FEV1FVC	FOXK1	rs10246759	T	C	-0.051	0.009	0.440	1.14E-08	-0.002	0.002	0.547	0.001	32.586	TRUE	1.01E-07
FEV1FVC	FOXK1	rs10262715	A	G	0.329	0.009	0.396	6.55E-281	0.006	0.002	0.016	0.039	1282.603	TRUE	2.28E-247
FEV1FVC	FOXK1	rs112342053	T	C	0.217	0.030	0.031	2.52E-13	0.007	0.006	0.237	0.002	53.547	TRUE	1.85E-11
FEV1FVC	FOXK1	rs117071851	T	C	0.207	0.033	0.027	5.58E-10	0.008	0.006	0.186	0.001	38.460	TRUE	2.02E-08
FEV1FVC	FOXK1	rs118191124	T	G	0.272	0.030	0.027	1.63E-19	0.002	0.008	0.806	0.003	81.640	TRUE	6.35E-18
FEV1FVC	FOXK1	rs12701878	A	G	-0.247	0.033	0.025	4.45E-14	-0.012	0.006	0.049	0.002	56.956	TRUE	1.65E-11
FEV1FVC	FOXK1	rs28658109	C	T	-0.118	0.012	0.169	2.65E-23	-0.008	0.003	0.020	0.003	98.896	TRUE	4.48E-19
FEV1FVC	FOXK1	rs2969497	C	T	0.071	0.013	0.142	1.70E-08	0.002	0.004	0.571	0.001	31.810	TRUE	1.34E-07
FEV1FVC	FOXK1	rs57319005	T	C	-0.222	0.018	0.082	1.09E-33	0.004	0.005	0.433	0.005	146.343	TRUE	3.22E-30
FEV1FVC	FOXK1	rs62453197	G	A	-0.108	0.016	0.090	2.29E-11	-0.001	0.004	0.805	0.001	44.702	TRUE	1.95E-10
FEV1FVC	FOXK1	rs6975499	G	A	0.175	0.011	0.233	7.18E-57	0.002	0.003	0.526	0.008	252.545	TRUE	1.55E-51
FEV1FVC	FOXK1	rs73044587	T	C	0.147	0.022	0.053	3.47E-11	-0.003	0.005	0.572	0.001	43.890	TRUE	4.77E-10
FEV1FVC	FOXK1	rs74766197	T	G	0.183	0.019	0.072	8.61E-23	0.003	0.005	0.564	0.003	96.564	TRUE	1.43E-20
FEV1FVC	FOXK1	rs76666907	A	G	-0.133	0.017	0.084	2.54E-14	-0.003	0.004	0.440	0.002	58.061	TRUE	1.03E-12
FEV1FVC	FOXK1	rs76747878	T	C	-0.175	0.032	0.027	3.38E-08	-0.015	0.010	0.116	0.001	30.475	TRUE	1.03E-06
FEV1FVC	FOXK1	rs80033128	C	T	0.195	0.028	0.032	3.32E-12	0.008	0.006	0.174	0.002	48.486	TRUE	2.43E-10
FEV1FVC	FOXK2	rs11078002	C	G	-0.084	0.011	0.280	4.57E-15	0.002	0.003	0.540	0.002	61.433	TRUE	1.68E-13
FEV1FVC	FOXK2	rs12948886	G	A	-0.089	0.012	0.131	3.58E-13	0.004	0.003	0.215	0.002	52.855	TRUE	2.71E-11
FEV1FVC	FOXK2	rs3829566	T	C	-0.070	0.009	0.352	3.72E-16	-0.009	0.003	5.12E-04	0.002	66.373	TRUE	5.32E-12

FEV1FVC	FOXK2	rs4789695	T	C	0.085	0.013	0.107	1.26E-10	0.001	0.004	0.884	0.001	41.365	TRUE	7.79E-10
FEV1FVC	FOXO1	rs2324597	G	A	-0.050	0.009	0.294	1.62E-08	0.010	0.003	3.55E-04	0.001	31.898	TRUE	7.37E-06
FEV1FVC	FOXO1	rs61963554	T	G	0.063	0.010	0.179	2.44E-09	-0.004	0.003	0.199	0.001	35.584	TRUE	7.09E-08
FEV1FVC	FOXO1	rs77526211	A	G	-0.175	0.020	0.043	7.63E-18	0.014	0.007	0.044	0.002	74.041	TRUE	1.04E-14
FEV1FVC	FOXO1	rs9532563	C	T	0.066	0.009	0.229	3.03E-12	-0.013	0.003	8.11E-06	0.002	48.667	TRUE	3.25E-08
FEV1FVC	FOXO1	rs9549200	T	C	-0.085	0.008	0.386	2.55E-25	0.006	0.003	0.022	0.003	108.099	TRUE	6.29E-21
FEV1FVC	GBA	rs11264296	C	T	-0.072	0.012	0.443	1.65E-09	0.005	0.002	0.032	0.001	36.349	TRUE	1.83E-07
FEV1FVC	GBA	rs11264345	A	T	0.260	0.013	0.294	2.77E-91	-0.009	0.003	5.91E-04	0.013	410.529	TRUE	1.32E-76
FEV1FVC	GBA	rs11580824	T	C	0.124	0.019	0.111	3.79E-11	-0.014	0.004	2.45E-04	0.001	43.718	TRUE	7.66E-08
FEV1FVC	GBA	rs12026113	T	A	-0.097	0.015	0.179	2.79E-10	0.005	0.003	0.163	0.001	39.816	TRUE	1.23E-08
FEV1FVC	GBA	rs12406363	C	T	0.209	0.035	0.047	2.50E-09	0.014	0.010	0.158	0.001	35.536	TRUE	8.57E-08
FEV1FVC	GBA	rs12752133	T	C	0.574	0.071	0.020	6.67E-16	0.006	0.010	0.548	0.002	65.224	TRUE	2.75E-14
FEV1FVC	GBA	rs1462854	A	T	0.150	0.025	0.058	3.17E-09	-0.028	0.005	2.64E-09	0.001	35.075	TRUE	4.39E-05
FEV1FVC	GBA	rs147869881	T	C	0.257	0.045	0.027	1.26E-08	0.001	0.007	0.857	0.001	32.390	TRUE	5.68E-08
FEV1FVC	GBA	rs149713202	A	G	-0.234	0.039	0.034	1.73E-09	0.008	0.007	0.268	0.001	36.253	TRUE	3.88E-08
FEV1FVC	GBA	rs188978150	C	T	-0.257	0.046	0.023	2.24E-08	-0.005	0.011	0.606	0.001	31.271	TRUE	1.58E-07
FEV1FVC	GBA	rs6667285	T	C	-0.207	0.030	0.050	8.10E-12	0.004	0.005	0.482	0.001	46.739	TRUE	1.71E-10
FEV1FVC	GBA	rs76830943	C	T	0.094	0.016	0.158	1.18E-08	-0.001	0.003	0.818	0.001	32.520	TRUE	5.66E-08
FEV1FVC	GBA	rs78003115	A	G	-0.193	0.023	0.104	1.58E-17	0.008	0.004	0.032	0.002	72.606	TRUE	2.80E-14
FEV1FVC	GGA1	rs11089845	G	C	0.059	0.009	0.387	3.96E-10	0.002	0.003	0.420	0.001	39.130	TRUE	6.49E-09
FEV1FVC	GGA1	rs112110095	T	C	-0.105	0.018	0.053	3.65E-09	-0.002	0.005	0.650	0.001	34.801	TRUE	2.82E-08
FEV1FVC	GGA1	rs12627943	G	C	0.117	0.009	0.235	1.52E-35	0.007	0.003	0.022	0.005	154.827	TRUE	6.56E-30
FEV1FVC	GGA1	rs12710562	G	A	0.280	0.012	0.166	1.72E-130	0.006	0.003	0.043	0.018	590.714	TRUE	6.95E-115
FEV1FVC	GGA1	rs2071770	A	G	0.295	0.033	0.022	2.98E-19	-0.001	0.009	0.902	0.003	80.449	TRUE	8.18E-18
FEV1FVC	GGA1	rs6000845	A	G	0.058	0.010	0.296	1.31E-08	0.006	0.003	0.043	0.001	32.310	TRUE	8.27E-07
FEV1FVC	GGA1	rs62235977	A	G	-0.071	0.008	0.460	8.00E-19	-0.001	0.002	0.626	0.002	78.495	TRUE	4.89E-17
FEV1FVC	GGA1	rs73168260	G	A	-0.073	0.011	0.157	3.14E-11	-0.009	0.003	0.008	0.001	44.087	TRUE	1.57E-08
FEV1FVC	GGA1	rs76505895	T	C	0.271	0.037	0.024	1.43E-13	0.008	0.007	0.258	0.002	54.662	TRUE	9.86E-12
FEV1FVC	GLS	rs115938555	A	G	-0.144	0.022	0.043	2.51E-11	0.001	0.007	0.889	0.001	44.521	TRUE	1.72E-10
FEV1FVC	GLS	rs116520924	A	G	0.171	0.024	0.034	5.30E-13	-0.005	0.006	0.395	0.002	52.087	TRUE	1.87E-11
FEV1FVC	GLS	rs116681266	A	G	0.271	0.025	0.032	1.91E-27	-0.006	0.006	0.325	0.004	117.802	TRUE	2.56E-24
FEV1FVC	GLS	rs117660443	A	G	0.325	0.054	0.051	2.44E-09	-0.006	0.013	0.672	0.001	35.584	TRUE	1.83E-08
FEV1FVC	GLS	rs13012785	A	T	0.104	0.016	0.070	8.84E-11	-0.014	0.005	0.004	0.001	42.060	TRUE	4.40E-08
FEV1FVC	GLS	rs13410837	G	A	0.237	0.029	0.024	4.23E-16	-0.007	0.007	0.383	0.002	66.122	TRUE	3.28E-14
FEV1FVC	GLS	rs145048940	C	A	0.265	0.031	0.021	2.61E-17	-0.005	0.008	0.556	0.002	71.618	TRUE	1.43E-15
FEV1FVC	GLS	rs35672585	A	G	0.076	0.011	0.154	6.16E-12	-0.004	0.003	0.297	0.001	47.277	TRUE	2.33E-10
FEV1FVC	GLS	rs3755311	A	G	0.173	0.029	0.020	4.40E-09	-0.009	0.008	0.292	0.001	34.436	TRUE	8.32E-08
FEV1FVC	GLS	rs3860472	T	C	0.230	0.032	0.024	3.85E-13	0.011	0.008	0.161	0.002	52.713	TRUE	3.83E-11
FEV1FVC	GLS	rs41382444	T	C	-0.126	0.017	0.064	2.80E-14	0.001	0.005	0.909	0.002	57.866	TRUE	3.18E-13
FEV1FVC	GLS	rs4366932	T	C	0.123	0.008	0.376	1.01E-50	0.000	0.002	0.874	0.007	224.351	TRUE	9.76E-47
FEV1FVC	GLS	rs4438514	A	G	0.094	0.008	0.354	2.98E-29	-0.001	0.003	0.657	0.004	126.055	TRUE	1.25E-26
FEV1FVC	GLS	rs45526631	T	C	-0.193	0.024	0.030	1.08E-15	0.009	0.008	0.256	0.002	64.271	TRUE	1.30E-13

FEV1FVC	GLS	rs62179713	T	C	0.187	0.031	0.020	1.85E-09	-0.008	0.009	0.353	0.001	36.125	TRUE	3.16E-08
FEV1FVC	GLS	rs62181023	G	T	-0.085	0.012	0.148	1.91E-12	0.001	0.003	0.694	0.002	49.567	TRUE	2.53E-11
FEV1FVC	GLS	rs6733720	G	C	-0.113	0.010	0.182	5.45E-28	-0.001	0.003	0.647	0.004	120.290	TRUE	1.84E-25
FEV1FVC	GLS	rs72913156	A	C	0.070	0.008	0.403	2.79E-17	-0.002	0.002	0.323	0.002	71.486	TRUE	3.70E-15
FEV1FVC	GLS	rs887695	T	C	0.095	0.009	0.254	3.67E-25	0.001	0.003	0.798	0.003	107.377	TRUE	4.21E-23
FEV1FVC	GNPTAB	rs10860756	A	T	0.071	0.011	0.141	4.69E-10	-0.004	0.003	0.212	0.001	38.798	TRUE	1.61E-08
FEV1FVC	GNPTAB	rs11110984	C	T	0.178	0.013	0.097	2.42E-40	-0.002	0.005	0.727	0.006	176.788	TRUE	6.66E-37
FEV1FVC	GNPTAB	rs11111110	T	C	0.191	0.029	0.023	2.71E-11	-0.007	0.008	0.428	0.001	44.371	TRUE	5.80E-10
FEV1FVC	GNPTAB	rs118120588	A	G	0.108	0.020	0.043	4.77E-08	0.009	0.005	0.105	0.001	29.806	TRUE	1.49E-06
FEV1FVC	GNPTAB	rs139196635	A	G	-0.216	0.028	0.024	6.92E-15	-0.016	0.008	0.063	0.002	60.618	TRUE	2.77E-12
FEV1FVC	GNPTAB	rs140600142	T	G	0.071	0.011	0.154	1.09E-10	-0.006	0.004	0.123	0.001	41.651	TRUE	6.99E-09
FEV1FVC	GNPTAB	rs2695294	G	A	0.065	0.008	0.434	1.45E-15	0.001	0.002	0.560	0.002	63.692	TRUE	5.41E-14
FEV1FVC	GNPTAB	rs4764683	G	A	-0.075	0.009	0.309	1.73E-17	0.002	0.003	0.531	0.002	72.429	TRUE	1.04E-15
FEV1FVC	GNPTAB	rs4764820	C	T	-0.197	0.010	0.208	5.37E-91	-0.008	0.003	0.005	0.013	409.212	TRUE	7.03E-78
FEV1FVC	GPR137	rs116483940	T	C	0.268	0.035	0.017	2.31E-14	-0.013	0.010	0.196	0.002	58.247	TRUE	2.67E-12
FEV1FVC	GPR137	rs12146487	A	G	-0.070	0.011	0.151	3.61E-10	0.004	0.003	0.171	0.001	39.313	TRUE	1.53E-08
FEV1FVC	GPR137	rs1705365	C	G	0.051	0.009	0.312	3.06E-09	-0.001	0.003	0.810	0.001	35.146	TRUE	1.65E-08
FEV1FVC	GPR137	rs17158803	A	G	0.161	0.020	0.040	2.72E-15	0.005	0.007	0.447	0.002	62.454	TRUE	1.37E-13
FEV1FVC	GPR137	rs2701536	A	G	0.114	0.016	0.064	2.29E-12	0.000	0.005	0.969	0.002	49.212	TRUE	1.58E-11
FEV1FVC	GPR137	rs685870	T	C	0.122	0.009	0.295	1.05E-44	-0.006	0.003	0.028	0.006	196.774	TRUE	4.79E-38
FEV1FVC	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	-0.008	0.006	0.177	0.003	100.450	TRUE	1.80E-20
FEV1FVC	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	0.004	0.006	0.543	0.002	59.231	TRUE	4.43E-13
FEV1FVC	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	-0.003	0.004	0.418	0.003	80.015	TRUE	4.85E-17
FEV1FVC	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	-0.015	0.006	0.009	0.004	136.489	TRUE	6.23E-26
FEV1FVC	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	0.002	0.006	0.689	0.009	296.275	TRUE	1.09E-60
FEV1FVC	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	-0.028	0.008	2.01E-04	0.013	406.342	TRUE	3.00E-75
FEV1FVC	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	-0.003	0.007	0.646	0.015	467.091	TRUE	1.57E-94
FEV1FVC	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	0.006	0.005	0.200	0.023	740.366	TRUE	3.97E-146
FEV1FVC	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	-0.017	0.009	0.059	0.003	99.048	TRUE	1.26E-19
FEV1FVC	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	-0.024	0.009	0.005	0.001	34.973	TRUE	8.25E-07
FEV1FVC	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	0.012	0.007	0.079	0.016	507.390	TRUE	2.74E-99
FEV1FVC	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	0.002	0.008	0.779	0.005	156.475	TRUE	6.20E-33
FEV1FVC	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	0.011	0.006	0.072	0.009	283.165	TRUE	1.87E-55
FEV1FVC	GSDMB	rs11871317	G	C	-0.325	0.010	0.243	8.62E-230	0.007	0.003	0.016	0.032	1047.407	TRUE	2.87E-202
FEV1FVC	GSDMB	rs12449642	T	A	-0.411	0.010	0.202	0.00E+00	0.005	0.003	0.115	0.053	1778.099	TRUE	0.00E+00
FEV1FVC	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	-0.007	0.003	0.017	0.092	3205.686	TRUE	0.00E+00
FEV1FVC	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	0.006	0.002	0.019	0.005	167.364	TRUE	3.96E-32
FEV1FVC	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	0.006	0.003	0.026	0.031	1019.370	TRUE	2.07E-197
FEV1FVC	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	0.003	0.004	0.368	0.003	87.204	TRUE	2.23E-18
FEV1FVC	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	0.002	0.009	0.832	0.016	503.835	TRUE	1.78E-102
FEV1FVC	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	-0.011	0.007	0.104	0.007	222.293	TRUE	6.75E-44
FEV1FVC	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	-0.004	0.009	0.694	0.001	33.205	TRUE	5.36E-08

FEV1FVC	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	-0.006	0.012	0.632	0.001	33.754	TRUE	4.68E-08
FEV1FVC	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	-0.015	0.006	0.005	0.011	352.288	TRUE	7.18E-67
FEV1FVC	GSDMB	rs142899349	C	T	-1.043	0.058	0.019	6.68E-72	0.035	0.016	0.031	0.010	321.522	TRUE	3.37E-62
FEV1FVC	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	-0.001	0.010	0.954	0.002	47.640	TRUE	3.44E-11
FEV1FVC	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	0.004	0.010	0.722	0.002	59.413	TRUE	2.48E-13
FEV1FVC	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	0.010	0.009	0.239	0.007	214.750	TRUE	3.91E-43
FEV1FVC	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	0.000	0.008	0.986	0.001	37.506	TRUE	3.84E-09
FEV1FVC	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	-0.003	0.009	0.744	0.002	55.410	TRUE	1.48E-12
FEV1FVC	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	-0.002	0.003	0.523	0.005	145.706	TRUE	2.54E-30
FEV1FVC	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	0.016	0.007	0.034	0.011	352.652	TRUE	2.67E-68
FEV1FVC	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	-0.007	0.009	0.449	0.002	76.968	TRUE	1.76E-16
FEV1FVC	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	-0.017	0.010	0.103	0.003	95.228	TRUE	3.62E-19
FEV1FVC	GSDMB	rs150260796	G	A	0.337	0.023	0.039	1.07E-47	-0.004	0.009	0.684	0.007	210.474	TRUE	1.51E-43
FEV1FVC	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	-0.005	0.011	0.668	0.001	45.430	TRUE	1.89E-10
FEV1FVC	GSDMB	rs150916518	T	C	-0.851	0.066	0.035	5.41E-38	-0.005	0.027	0.861	0.005	166.033	TRUE	5.20E-35
FEV1FVC	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	-0.007	0.004	0.105	0.001	35.981	TRUE	9.51E-08
FEV1FVC	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	0.025	0.011	0.023	0.001	36.499	TRUE	2.01E-07
FEV1FVC	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	0.002	0.003	0.559	0.003	106.322	TRUE	1.61E-22
FEV1FVC	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	-0.004	0.002	0.104	0.004	130.155	TRUE	6.01E-26
FEV1FVC	GSDMB	rs1733805	G	T	-0.084	0.012	0.119	5.13E-12	0.000	0.003	0.925	0.002	47.634	TRUE	3.64E-11
FEV1FVC	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	0.009	0.010	0.337	0.001	42.138	TRUE	2.13E-09
FEV1FVC	GSDMB	rs186413878	C	T	-0.794	0.096	0.021	1.85E-16	-0.020	0.018	0.270	0.002	67.752	TRUE	2.50E-14
FEV1FVC	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	0.008	0.009	0.408	0.002	67.752	TRUE	1.41E-14
FEV1FVC	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	0.010	0.005	0.025	0.003	98.282	TRUE	3.94E-19
FEV1FVC	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	0.000	0.003	0.905	0.003	105.802	TRUE	5.86E-23
FEV1FVC	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	0.003	0.004	0.417	0.007	222.121	TRUE	3.23E-45
FEV1FVC	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	0.012	0.006	0.051	0.006	179.383	TRUE	4.76E-35
FEV1FVC	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	-0.001	0.003	0.678	0.048	1598.167	TRUE	0.00E+00
FEV1FVC	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	0.005	0.004	0.216	0.002	50.240	TRUE	8.91E-11
FEV1FVC	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	-0.007	0.006	0.215	0.019	624.369	TRUE	1.48E-123
FEV1FVC	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	0.012	0.003	3.80E-05	0.168	6416.153	TRUE	0.00E+00
FEV1FVC	GSDMB	rs4420582	A	C	-0.195	0.026	0.029	3.46E-14	-0.005	0.007	0.457	0.002	57.449	TRUE	1.33E-12
FEV1FVC	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	0.002	0.005	0.689	0.004	121.191	TRUE	1.06E-25
FEV1FVC	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	0.004	0.003	0.116	0.005	165.347	TRUE	7.33E-33
FEV1FVC	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	0.012	0.010	0.260	0.002	52.472	TRUE	2.69E-11
FEV1FVC	GSDMB	rs506728	C	G	-0.122	0.010	0.200	7.12E-35	0.006	0.003	0.048	0.005	151.758	TRUE	1.09E-29
FEV1FVC	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	0.005	0.003	0.146	0.005	167.025	TRUE	2.31E-33
FEV1FVC	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	0.000	0.006	0.999	0.003	91.090	TRUE	4.20E-20
FEV1FVC	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	-0.006	0.011	0.595	0.002	72.620	TRUE	7.83E-16
FEV1FVC	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	-0.002	0.008	0.777	0.002	51.211	TRUE	9.70E-12
FEV1FVC	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	0.004	0.006	0.507	0.003	107.555	TRUE	1.18E-22
FEV1FVC	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	0.008	0.004	0.030	0.002	59.440	TRUE	7.94E-12

FEV1FVC	GSDMB	rs7214466	C	T	0.144	0.010	0.279	3.90E-49	-0.002	0.003	0.363	0.007	217.078	TRUE	4.43E-44
FEV1FVC	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	0.017	0.008	0.029	0.002	67.584	TRUE	2.42E-13
FEV1FVC	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	0.003	0.005	0.568	0.006	190.987	TRUE	2.04E-39
FEV1FVC	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	-0.002	0.005	0.750	0.001	34.801	TRUE	2.24E-08
FEV1FVC	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	0.013	0.008	0.096	0.006	185.558	TRUE	1.11E-36
FEV1FVC	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	0.017	0.012	0.164	0.002	71.753	TRUE	7.67E-15
FEV1FVC	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	0.004	0.003	0.099	0.060	2016.058	TRUE	0.00E+00
FEV1FVC	GSDMB	rs72832924	T	C	0.451	0.010	0.170	0.00E+00	-0.009	0.003	0.004	0.056	1893.225	TRUE	0.00E+00
FEV1FVC	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	-0.002	0.007	0.780	0.003	90.712	TRUE	1.02E-19
FEV1FVC	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	0.001	0.004	0.812	0.026	839.055	TRUE	7.28E-169
FEV1FVC	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	0.017	0.008	0.022	0.003	97.751	TRUE	6.00E-19
FEV1FVC	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	0.011	0.006	0.063	0.010	324.865	TRUE	1.98E-63
FEV1FVC	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	0.019	0.009	0.035	0.001	37.320	TRUE	1.10E-07
FEV1FVC	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	0.006	0.010	0.587	0.003	98.761	TRUE	4.79E-21
FEV1FVC	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	0.011	0.005	0.020	0.001	33.061	TRUE	9.69E-07
FEV1FVC	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	0.009	0.004	0.030	0.002	53.670	TRUE	1.05E-10
FEV1FVC	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	0.037	0.011	6.37E-04	0.001	34.662	TRUE	2.17E-06
FEV1FVC	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	0.021	0.009	0.018	0.004	129.419	TRUE	6.75E-25
FEV1FVC	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	0.013	0.009	0.137	0.007	215.754	TRUE	7.53E-43
FEV1FVC	GSDMB	rs75905358	C	G	0.299	0.010	0.210	3.78E-209	-0.017	0.003	1.62E-09	0.029	952.447	TRUE	1.70E-171
FEV1FVC	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	-0.006	0.011	0.562	0.001	37.710	TRUE	8.80E-09
FEV1FVC	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	0.008	0.008	0.349	0.017	536.325	TRUE	4.96E-107
FEV1FVC	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	0.003	0.003	0.402	0.002	65.062	TRUE	4.75E-14
FEV1FVC	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	0.001	0.004	0.891	0.002	72.603	TRUE	3.21E-16
FEV1FVC	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	0.001	0.009	0.936	0.001	30.652	TRUE	1.12E-07
FEV1FVC	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	0.003	0.005	0.623	0.013	411.836	TRUE	1.68E-83
FEV1FVC	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	-0.007	0.007	0.309	0.003	81.876	TRUE	3.41E-17
FEV1FVC	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	-0.018	0.006	0.002	0.019	624.240	TRUE	1.61E-118
FEV1FVC	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	-0.002	0.003	0.341	0.005	154.490	TRUE	1.35E-31
FEV1FVC	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	0.005	0.002	0.059	0.003	81.045	TRUE	3.51E-16
FEV1FVC	GSDMB	rs8071312	A	G	-0.170	0.025	0.031	6.03E-12	0.010	0.006	0.100	0.001	47.318	TRUE	6.76E-10
FEV1FVC	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	0.002	0.002	0.407	0.001	31.239	TRUE	2.56E-07
FEV1FVC	GSTP1	rs147391285	A	T	-0.298	0.035	0.058	1.64E-17	0.015	0.005	0.005	0.002	72.535	TRUE	1.15E-13
FEV1FVC	GYS1	rs10423011	G	A	-0.079	0.009	0.388	1.21E-19	-0.005	0.003	0.044	0.003	82.234	TRUE	2.75E-16
FEV1FVC	GYS1	rs3810176	T	C	0.253	0.016	0.078	8.47E-57	0.010	0.005	0.021	0.008	252.216	TRUE	1.54E-48
FEV1FVC	GYS1	rs76496137	T	C	0.101	0.018	0.071	3.74E-08	0.010	0.005	0.025	0.001	30.279	TRUE	2.76E-06
PEF	AKR1C2	rs10508288	G	A	0.053	0.008	0.401	8.24E-11	-0.002	0.003	0.462	0.001	42.198	TRUE	2.03E-09
PEF	AKR1C2	rs10751985	T	A	0.134	0.009	0.228	3.84E-45	-0.005	0.003	0.115	0.006	198.774	TRUE	8.85E-39
PEF	AKR1C2	rs10795212	C	A	-0.129	0.008	0.360	6.15E-54	0.001	0.003	0.763	0.007	239.095	TRUE	7.05E-49
PEF	AKR1C2	rs10904353	A	G	0.123	0.008	0.489	1.86E-53	0.000	0.003	0.876	0.007	236.887	TRUE	1.08E-48
PEF	AKR1C2	rs10904400	G	A	-0.134	0.009	0.295	1.65E-53	0.005	0.003	0.067	0.007	237.127	TRUE	1.04E-45
PEF	AKR1C2	rs11252627	T	C	0.159	0.019	0.048	2.30E-17	0.001	0.007	0.941	0.002	71.862	TRUE	6.04E-16

PEF	AKR1C2	rs11252694	T	G	-0.056	0.009	0.332	5.51E-11	-0.001	0.003	0.829	0.001	42.984	TRUE	5.34E-10
PEF	AKR1C2	rs11252719	A	G	0.140	0.021	0.040	2.49E-11	-0.008	0.010	0.455	0.001	44.542	TRUE	6.90E-10
PEF	AKR1C2	rs11252752	G	A	0.519	0.013	0.104	0.00E+00	-0.011	0.004	0.008	0.050	1657.152	TRUE	0.00E+00
PEF	AKR1C2	rs11252880	A	G	-0.144	0.016	0.072	6.31E-20	0.004	0.006	0.561	0.003	83.512	TRUE	1.03E-17
PEF	AKR1C2	rs112734695	G	T	0.233	0.027	0.024	1.47E-17	-0.002	0.008	0.838	0.002	72.746	TRUE	5.49E-16
PEF	AKR1C2	rs11595166	T	C	-0.090	0.016	0.070	8.59E-09	0.003	0.005	0.522	0.001	33.134	TRUE	1.01E-07
PEF	AKR1C2	rs116911347	T	C	-0.169	0.025	0.033	1.07E-11	0.009	0.008	0.238	0.001	46.191	TRUE	7.23E-10
PEF	AKR1C2	rs117006308	A	G	-0.138	0.016	0.070	2.49E-18	0.002	0.005	0.689	0.002	76.254	TRUE	1.75E-16
PEF	AKR1C2	rs117215634	T	C	-0.154	0.017	0.061	3.42E-19	-0.002	0.005	0.712	0.003	80.176	TRUE	2.72E-17
PEF	AKR1C2	rs117965276	G	T	0.266	0.031	0.027	1.53E-17	-0.007	0.015	0.613	0.002	72.668	TRUE	1.16E-15
PEF	AKR1C2	rs11816204	T	C	-0.148	0.009	0.233	3.58E-55	0.005	0.003	0.109	0.008	244.757	TRUE	1.69E-47
PEF	AKR1C2	rs11817141	C	T	-0.116	0.014	0.089	2.28E-16	-0.001	0.004	0.785	0.002	67.344	TRUE	7.73E-15
PEF	AKR1C2	rs12245804	T	C	0.190	0.029	0.020	1.28E-10	-0.003	0.008	0.685	0.001	41.340	TRUE	1.59E-09
PEF	AKR1C2	rs12359137	T	C	0.415	0.042	0.015	1.96E-23	-0.014	0.010	0.173	0.003	99.494	TRUE	5.80E-20
PEF	AKR1C2	rs140822494	C	T	0.311	0.032	0.022	1.34E-22	-0.018	0.013	0.170	0.003	95.693	TRUE	3.19E-19
PEF	AKR1C2	rs141643774	C	T	-0.178	0.030	0.022	2.16E-09	0.012	0.008	0.120	0.001	35.820	TRUE	1.30E-07
PEF	AKR1C2	rs143354375	G	T	0.973	0.027	0.025	1.24E-278	-0.017	0.008	0.037	0.039	1272.131	TRUE	2.89E-243
PEF	AKR1C2	rs144491977	C	T	0.139	0.023	0.033	3.54E-09	0.002	0.007	0.741	0.001	34.862	TRUE	2.78E-08
PEF	AKR1C2	rs146703824	A	G	0.331	0.049	0.014	1.07E-11	-0.014	0.015	0.372	0.001	46.199	TRUE	4.28E-10
PEF	AKR1C2	rs147683642	A	C	0.445	0.039	0.016	6.79E-31	-0.009	0.011	0.416	0.004	133.560	TRUE	2.83E-27
PEF	AKR1C2	rs149101706	A	T	-0.148	0.024	0.039	3.43E-10	-0.003	0.007	0.634	0.001	39.413	TRUE	4.40E-09
PEF	AKR1C2	rs17133585	G	A	0.196	0.026	0.026	5.20E-14	-0.004	0.009	0.620	0.002	56.649	TRUE	1.71E-12
PEF	AKR1C2	rs17133587	A	G	-0.069	0.010	0.231	6.75E-13	0.003	0.003	0.383	0.002	51.612	TRUE	3.59E-11
PEF	AKR1C2	rs185832443	C	T	0.497	0.051	0.018	2.88E-22	-0.003	0.024	0.902	0.003	94.174	TRUE	2.30E-20
PEF	AKR1C2	rs1937883	A	G	0.274	0.009	0.295	2.92E-220	-0.006	0.003	0.024	0.031	1003.563	TRUE	2.27E-191
PEF	AKR1C2	rs2011131	A	G	0.055	0.008	0.382	2.10E-11	-0.004	0.003	0.109	0.001	44.876	TRUE	2.64E-09
PEF	AKR1C2	rs2904800	T	C	0.301	0.008	0.394	0.00E+00	-0.007	0.003	0.011	0.043	1424.643	TRUE	4.67E-270
PEF	AKR1C2	rs2924279	G	A	-0.095	0.009	0.262	1.29E-25	-0.003	0.003	0.252	0.003	109.447	TRUE	3.79E-22
PEF	AKR1C2	rs2961579	T	C	-0.084	0.009	0.264	9.26E-21	0.007	0.003	0.011	0.003	87.308	TRUE	2.24E-16
PEF	AKR1C2	rs2961610	T	G	0.105	0.008	0.481	2.74E-39	-0.004	0.003	0.135	0.005	171.963	TRUE	1.08E-33
PEF	AKR1C2	rs35308766	G	T	0.960	0.035	0.018	6.69E-165	-0.007	0.011	0.527	0.023	748.932	TRUE	5.70E-148
PEF	AKR1C2	rs4448588	A	T	-0.166	0.008	0.367	2.24E-88	0.007	0.003	0.006	0.012	397.180	TRUE	3.61E-74
PEF	AKR1C2	rs4491123	G	A	-0.158	0.011	0.141	5.06E-43	-0.001	0.004	0.838	0.006	189.062	TRUE	3.92E-39
PEF	AKR1C2	rs4880688	T	C	-0.064	0.009	0.256	3.23E-12	0.005	0.003	0.095	0.002	48.542	TRUE	6.43E-10
PEF	AKR1C2	rs4881397	A	T	-0.092	0.011	0.163	1.12E-17	0.011	0.003	0.001	0.002	73.293	TRUE	4.16E-13
PEF	AKR1C2	rs61830347	G	A	0.127	0.017	0.063	4.07E-14	0.000	0.005	0.956	0.002	57.133	TRUE	5.45E-13
PEF	AKR1C2	rs72769943	T	C	-0.117	0.016	0.065	6.46E-13	0.013	0.005	0.011	0.002	51.699	TRUE	8.36E-10
PEF	AKR1C2	rs72769963	A	G	1.036	0.029	0.025	7.52E-283	-0.015	0.010	0.110	0.039	1291.529	TRUE	5.90E-249
PEF	AKR1C2	rs75509222	C	A	0.082	0.013	0.100	6.68E-10	-0.003	0.004	0.518	0.001	38.108	TRUE	1.09E-08
PEF	AKR1C2	rs77514721	A	G	-0.130	0.020	0.042	6.61E-11	-0.003	0.007	0.622	0.001	42.628	TRUE	1.05E-09
PEF	AKR1C2	rs7923027	A	G	0.104	0.009	0.282	1.60E-29	-0.004	0.003	0.193	0.004	127.294	TRUE	2.29E-25
PEF	AP1M2	rs10409101	C	G	-0.086	0.013	0.106	3.85E-11	0.001	0.004	0.849	0.001	43.687	TRUE	3.56E-10

PEF	AP1M2	rs10409578	T	C	-0.312	0.012	0.115	1.60E-141	0.002	0.004	0.683	0.020	641.425	TRUE	1.16E-127
PEF	AP1M2	rs10416139	T	C	0.066	0.009	0.242	3.16E-12	0.004	0.003	0.219	0.002	48.583	TRUE	2.76E-10
PEF	AP1M2	rs111980498	A	G	0.211	0.038	0.020	2.90E-08	0.002	0.009	0.859	0.001	30.771	TRUE	1.47E-07
PEF	AP1M2	rs113951641	A	G	0.563	0.081	0.018	3.89E-12	0.012	0.012	0.302	0.002	48.177	TRUE	2.28E-10
PEF	AP1M2	rs11673439	C	T	-0.057	0.009	0.268	2.65E-10	0.003	0.003	0.283	0.001	39.917	TRUE	9.81E-09
PEF	AP1M2	rs116957244	T	C	0.174	0.022	0.033	5.12E-15	0.012	0.006	0.049	0.002	61.211	TRUE	4.54E-12
PEF	AP1M2	rs12974306	G	T	-0.119	0.009	0.497	3.74E-44	0.009	0.003	3.24E-04	0.006	194.244	TRUE	1.32E-34
PEF	AP1M2	rs138736573	G	A	-0.402	0.072	0.013	1.83E-08	0.001	0.013	0.952	0.001	31.663	TRUE	8.05E-08
PEF	AP1M2	rs143368951	G	A	-0.435	0.072	0.014	1.28E-09	0.025	0.013	0.051	0.001	36.845	TRUE	1.61E-07
PEF	AP1M2	rs146317947	A	G	0.451	0.041	0.016	1.05E-27	-0.006	0.011	0.605	0.004	118.981	TRUE	8.58E-25
PEF	AP1M2	rs147470349	A	G	-0.248	0.039	0.017	2.07E-10	0.002	0.009	0.845	0.001	40.401	TRUE	1.69E-09
PEF	AP1M2	rs148112213	T	C	-0.228	0.038	0.020	1.89E-09	-0.020	0.010	0.037	0.001	36.087	TRUE	2.68E-07
PEF	AP1M2	rs1609435	C	T	0.113	0.020	0.053	1.26E-08	-0.002	0.005	0.645	0.001	32.383	TRUE	1.09E-07
PEF	AP1M2	rs1821279	C	G	0.326	0.011	0.212	1.27E-200	-0.011	0.003	0.001	0.028	913.232	TRUE	1.73E-170
PEF	AP1M2	rs183143244	C	A	0.296	0.035	0.023	1.62E-17	-0.039	0.008	2.07E-06	0.002	72.555	TRUE	1.26E-11
PEF	AP1M2	rs190403054	A	G	0.208	0.028	0.032	9.95E-14	-0.008	0.006	0.203	0.002	55.374	TRUE	1.47E-11
PEF	AP1M2	rs34448858	A	G	0.353	0.044	0.016	1.17E-15	-0.013	0.011	0.233	0.002	64.124	TRUE	2.58E-13
PEF	AP1M2	rs34795914	T	G	-0.191	0.029	0.029	2.17E-11	-0.004	0.008	0.649	0.001	44.809	TRUE	3.55E-10
PEF	AP1M2	rs36096247	T	G	0.299	0.051	0.019	5.90E-09	0.006	0.009	0.508	0.001	33.866	TRUE	7.56E-08
PEF	AP1M2	rs45518133	T	C	0.315	0.052	0.017	1.94E-09	0.004	0.011	0.712	0.001	36.032	TRUE	1.73E-08
PEF	AP1M2	rs55775037	A	C	-0.325	0.035	0.017	2.16E-20	-0.005	0.010	0.621	0.003	85.635	TRUE	3.07E-18
PEF	AP1M2	rs62128754	T	C	-0.124	0.016	0.078	4.65E-14	-0.002	0.004	0.675	0.002	56.869	TRUE	1.30E-12
PEF	AP1M2	rs67417605	C	T	-0.062	0.009	0.280	3.46E-12	0.005	0.003	0.069	0.002	48.408	TRUE	8.29E-10
PEF	AP1M2	rs74179931	T	C	0.094	0.011	0.292	8.69E-19	-0.004	0.003	0.154	0.002	78.331	TRUE	8.10E-16
PEF	AP1M2	rs75864794	T	C	-0.291	0.023	0.034	5.38E-38	0.006	0.006	0.283	0.005	166.043	TRUE	3.07E-33
PEF	AP1M2	rs79749400	G	T	-0.116	0.018	0.052	1.00E-10	0.009	0.007	0.168	0.001	41.820	TRUE	7.20E-09
PEF	AP1M2	rs80223466	G	T	-0.122	0.021	0.055	7.06E-09	0.001	0.006	0.832	0.001	33.515	TRUE	4.32E-08
PEF	AP1M2	rs8113274	A	T	-0.225	0.010	0.206	2.24E-117	0.004	0.003	0.227	0.016	530.431	TRUE	8.84E-104
PEF	AP1S1	rs10953331	A	G	0.079	0.011	0.154	7.54E-13	0.003	0.004	0.481	0.002	51.394	TRUE	2.89E-11
PEF	AP1S1	rs117691349	C	A	0.213	0.032	0.020	1.25E-11	0.009	0.009	0.327	0.001	45.892	TRUE	5.82E-10
PEF	AP1S1	rs2227710	G	A	0.213	0.031	0.021	5.78E-12	-0.009	0.009	0.299	0.001	47.400	TRUE	3.29E-10
PEF	AP1S1	rs2239538	A	G	0.245	0.011	0.163	1.09E-104	0.008	0.004	0.032	0.015	472.127	TRUE	4.58E-90
PEF	AP1S1	rs2898568	G	A	-0.084	0.009	0.252	3.80E-20	0.003	0.003	0.380	0.003	84.517	TRUE	1.29E-17
PEF	AP1S1	rs4729666	T	C	-0.064	0.011	0.207	2.78E-09	-0.009	0.003	0.008	0.001	35.332	TRUE	9.18E-07
PEF	AP1S1	rs67790667	A	G	0.113	0.017	0.071	1.34E-11	-0.003	0.006	0.636	0.001	45.755	TRUE	2.39E-10
PEF	AP1S1	rs6960098	A	G	0.111	0.019	0.054	6.31E-09	0.002	0.005	0.640	0.001	33.735	TRUE	5.92E-08
PEF	AP3B2	rs10851962	G	A	0.055	0.008	0.425	1.02E-11	0.001	0.003	0.595	0.001	46.286	TRUE	2.11E-10
PEF	AP3B2	rs112202228	G	A	0.474	0.030	0.020	6.29E-56	0.011	0.009	0.257	0.008	248.223	TRUE	4.25E-49
PEF	AP3B2	rs112478508	T	C	-0.138	0.009	0.302	9.54E-58	-0.004	0.003	0.209	0.008	256.566	TRUE	1.64E-50
PEF	AP3B2	rs117736360	G	A	0.321	0.026	0.026	3.75E-34	0.015	0.007	0.032	0.005	148.460	TRUE	2.70E-28
PEF	AP3B2	rs118109445	C	G	0.454	0.053	0.015	1.23E-17	-0.003	0.012	0.819	0.002	73.098	TRUE	4.97E-16
PEF	AP3B2	rs12443081	A	G	0.121	0.014	0.087	2.94E-17	0.021	0.004	7.89E-07	0.002	71.379	TRUE	3.14E-11

PEF	AP3B2	rs12592193	C	T	-0.099	0.013	0.108	1.18E-14	-0.003	0.004	0.462	0.002	59.563	TRUE	7.49E-13
PEF	AP3B2	rs137902425	A	C	0.309	0.035	0.015	2.09E-18	0.020	0.012	0.095	0.002	76.600	TRUE	3.07E-15
PEF	AP3B2	rs139170842	C	T	0.728	0.082	0.014	6.01E-19	0.015	0.014	0.263	0.002	79.059	TRUE	2.79E-16
PEF	AP3B2	rs139950012	C	T	-0.087	0.015	0.081	4.61E-09	-0.001	0.005	0.858	0.001	34.347	TRUE	2.72E-08
PEF	AP3B2	rs141549770	A	G	0.124	0.021	0.041	1.65E-09	-0.013	0.006	0.021	0.001	36.351	TRUE	3.35E-07
PEF	AP3B2	rs142681630	T	C	0.439	0.024	0.032	1.08E-72	-0.005	0.007	0.451	0.010	325.162	TRUE	6.97E-65
PEF	AP3B2	rs148439657	T	G	0.187	0.029	0.022	8.22E-11	-0.005	0.011	0.636	0.001	42.203	TRUE	1.21E-09
PEF	AP3B2	rs1491579	T	C	-0.053	0.008	0.483	2.73E-11	-0.003	0.003	0.245	0.001	44.355	TRUE	1.70E-09
PEF	AP3B2	rs1503068	G	A	-0.056	0.008	0.381	5.42E-12	0.002	0.003	0.355	0.001	47.527	TRUE	2.47E-10
PEF	AP3B2	rs17158403	G	C	0.421	0.010	0.185	0.00E+00	0.008	0.003	0.011	0.053	1776.440	TRUE	0.00E+00
PEF	AP3B2	rs17526239	C	G	0.087	0.013	0.110	5.67E-12	-0.007	0.004	0.062	0.001	47.439	TRUE	1.53E-09
PEF	AP3B2	rs17527969	G	A	0.174	0.028	0.046	6.69E-10	0.002	0.006	0.785	0.001	38.106	TRUE	5.62E-09
PEF	AP3B2	rs2201102	T	A	-0.070	0.009	0.290	1.09E-15	-0.001	0.003	0.712	0.002	64.255	TRUE	3.95E-14
PEF	AP3B2	rs3784366	G	C	-0.080	0.014	0.083	2.45E-08	0.002	0.004	0.670	0.001	31.099	TRUE	1.84E-07
PEF	AP3B2	rs4778972	A	G	0.099	0.009	0.241	1.49E-26	0.004	0.003	0.216	0.004	113.722	TRUE	7.40E-23
PEF	AP3B2	rs4778973	T	C	0.098	0.008	0.401	4.04E-34	-0.003	0.003	0.265	0.005	148.309	TRUE	1.03E-29
PEF	AP3B2	rs62010181	G	A	-0.084	0.009	0.320	6.52E-23	0.000	0.003	0.914	0.003	97.115	TRUE	5.76E-21
PEF	AP3B2	rs6603031	C	T	-0.130	0.019	0.051	3.05E-12	0.010	0.006	0.128	0.002	48.653	TRUE	4.60E-10
PEF	AP3B2	rs7174089	T	C	0.151	0.008	0.488	6.32E-82	0.017	0.003	2.02E-11	0.011	367.550	TRUE	3.43E-60
PEF	AP3B2	rs74024687	C	T	0.073	0.010	0.174	4.63E-12	-0.001	0.003	0.838	0.002	47.837	TRUE	5.46E-11
PEF	AP3B2	rs7496832	C	A	0.216	0.012	0.140	1.35E-78	0.011	0.004	0.005	0.011	352.252	TRUE	9.19E-66
PEF	AP3B2	rs8042263	C	G	-0.096	0.009	0.329	1.31E-28	0.003	0.003	0.251	0.004	123.118	TRUE	8.59E-25
PEF	AP3B2	rs899747	C	T	-0.097	0.010	0.179	7.87E-21	0.001	0.003	0.849	0.003	87.630	TRUE	5.56E-19
PEF	AP3B2	rs9806642	C	G	-0.113	0.009	0.328	4.46E-40	-0.004	0.003	0.128	0.006	175.573	TRUE	2.48E-34
PEF	ARF1	rs1188975	T	C	0.097	0.014	0.094	1.85E-12	-0.014	0.005	0.002	0.002	49.632	TRUE	5.47E-09
PEF	ARF1	rs964941	G	A	0.058	0.008	0.468	3.87E-13	-0.008	0.003	0.001	0.002	52.704	TRUE	1.76E-09
PEF	ASAH1	rs10503644	A	G	0.327	0.008	0.455	0.00E+00	-0.007	0.003	0.007	0.053	1768.340	TRUE	0.00E+00
PEF	ASAH1	rs11203936	G	A	-0.078	0.009	0.296	3.40E-19	-0.001	0.003	0.739	0.003	80.187	TRUE	2.39E-17
PEF	ASAH1	rs112393816	G	A	-0.144	0.019	0.052	4.77E-14	-0.002	0.007	0.819	0.002	56.818	TRUE	8.90E-13
PEF	ASAH1	rs112686215	A	G	-0.239	0.030	0.020	4.45E-15	0.006	0.008	0.498	0.002	61.487	TRUE	2.77E-13
PEF	ASAH1	rs114187511	C	T	0.157	0.023	0.032	6.94E-12	0.006	0.007	0.374	0.001	47.040	TRUE	2.87E-10
PEF	ASAH1	rs116993539	A	G	-0.183	0.023	0.036	6.23E-16	-0.003	0.007	0.686	0.002	65.360	TRUE	2.55E-14
PEF	ASAH1	rs117026820	C	T	0.095	0.017	0.060	2.81E-08	-0.012	0.005	0.027	0.001	30.834	TRUE	3.04E-06
PEF	ASAH1	rs11787012	C	T	-0.200	0.025	0.028	1.43E-15	0.005	0.008	0.480	0.002	63.718	TRUE	1.07E-13
PEF	ASAH1	rs118003188	C	T	-0.154	0.027	0.023	1.59E-08	0.000	0.009	0.988	0.001	31.941	TRUE	6.50E-08
PEF	ASAH1	rs12545528	T	G	0.072	0.008	0.402	5.80E-19	-0.004	0.003	0.103	0.002	79.130	TRUE	8.87E-16
PEF	ASAH1	rs13248171	A	G	-0.323	0.028	0.026	7.89E-30	-0.001	0.007	0.940	0.004	128.693	TRUE	2.51E-27
PEF	ASAH1	rs13270851	A	C	0.162	0.017	0.055	1.55E-20	0.000	0.006	0.958	0.003	86.284	TRUE	7.30E-19
PEF	ASAH1	rs13278381	A	G	0.428	0.008	0.379	0.00E+00	-0.008	0.003	0.004	0.086	2971.983	TRUE	0.00E+00
PEF	ASAH1	rs13282340	C	T	-0.076	0.011	0.189	6.75E-12	-0.006	0.004	0.145	0.001	47.095	TRUE	8.31E-10
PEF	ASAH1	rs1353037	C	T	0.066	0.010	0.218	5.45E-11	-0.006	0.003	0.054	0.001	43.004	TRUE	1.11E-08
PEF	ASAH1	rs138225715	T	C	-0.231	0.032	0.020	2.22E-13	-0.001	0.009	0.933	0.002	53.793	TRUE	2.68E-12

PEF	ASAH1	rs138892153	G	T	0.156	0.028	0.021	2.14E-08	-0.003	0.008	0.743	0.001	31.360	TRUE	1.43E-07
PEF	ASAH1	rs139094450	A	G	0.336	0.040	0.015	2.71E-17	0.005	0.012	0.679	0.002	71.543	TRUE	1.57E-15
PEF	ASAH1	rs140019911	C	T	0.227	0.037	0.017	1.36E-09	0.010	0.010	0.280	0.001	36.717	TRUE	4.16E-08
PEF	ASAH1	rs140852838	A	G	0.365	0.029	0.023	1.87E-36	-0.001	0.011	0.939	0.005	158.987	TRUE	2.35E-33
PEF	ASAH1	rs144123383	A	G	0.392	0.031	0.021	1.18E-36	-0.009	0.009	0.322	0.005	159.906	TRUE	3.67E-32
PEF	ASAH1	rs147915438	A	G	-0.303	0.029	0.026	5.03E-26	0.003	0.008	0.686	0.004	111.317	TRUE	1.99E-23
PEF	ASAH1	rs1493042	A	C	0.102	0.010	0.193	4.90E-24	0.005	0.003	0.127	0.003	102.243	TRUE	2.76E-20
PEF	ASAH1	rs17467420	T	G	-0.303	0.022	0.040	2.56E-43	-0.005	0.006	0.426	0.006	190.417	TRUE	1.96E-38
PEF	ASAH1	rs17515264	C	T	-0.343	0.013	0.108	2.06E-161	0.003	0.004	0.518	0.023	732.883	TRUE	8.22E-145
PEF	ASAH1	rs17517068	G	A	0.105	0.019	0.047	2.97E-08	0.000	0.005	0.937	0.001	30.725	TRUE	1.27E-07
PEF	ASAH1	rs17592494	G	A	0.401	0.019	0.047	2.93E-102	-0.013	0.006	0.027	0.014	460.957	TRUE	8.31E-88
PEF	ASAH1	rs185743521	A	G	-0.401	0.054	0.016	1.38E-13	0.011	0.008	0.209	0.002	54.733	TRUE	1.91E-11
PEF	ASAH1	rs191912559	A	G	-0.193	0.031	0.021	5.92E-10	0.002	0.009	0.829	0.001	38.346	TRUE	4.57E-09
PEF	ASAH1	rs1968042	C	T	0.181	0.010	0.275	4.80E-80	-0.004	0.003	0.153	0.011	358.915	TRUE	5.41E-70
PEF	ASAH1	rs209977	G	A	0.173	0.028	0.027	3.68E-10	0.000	0.008	0.998	0.001	39.275	TRUE	2.02E-09
PEF	ASAH1	rs2410477	G	A	0.068	0.009	0.297	6.35E-15	-0.001	0.003	0.815	0.002	60.786	TRUE	1.50E-13
PEF	ASAH1	rs2517215	C	T	0.050	0.008	0.342	1.83E-09	-0.005	0.003	0.091	0.001	36.149	TRUE	1.45E-07
PEF	ASAH1	rs28383681	G	A	0.169	0.029	0.020	6.09E-09	-0.017	0.010	0.093	0.001	33.803	TRUE	3.87E-07
PEF	ASAH1	rs2904725	C	A	0.075	0.011	0.450	5.08E-12	0.001	0.003	0.872	0.002	47.651	TRUE	5.64E-11
PEF	ASAH1	rs2979775	G	A	0.050	0.009	0.300	2.29E-08	0.002	0.003	0.404	0.001	31.233	TRUE	3.38E-07
PEF	ASAH1	rs2979776	A	C	0.088	0.008	0.480	1.34E-28	0.000	0.003	0.900	0.004	123.078	TRUE	3.86E-26
PEF	ASAH1	rs34771733	C	A	-0.225	0.024	0.035	1.02E-20	-0.006	0.006	0.305	0.003	87.115	TRUE	6.19E-18
PEF	ASAH1	rs366298	T	C	0.086	0.015	0.077	6.44E-09	0.003	0.005	0.551	0.001	33.696	TRUE	7.33E-08
PEF	ASAH1	rs3850743	G	A	-0.241	0.027	0.029	1.06E-19	0.006	0.007	0.395	0.003	82.482	TRUE	3.12E-17
PEF	ASAH1	rs441517	A	G	0.222	0.009	0.294	1.97E-146	-0.008	0.003	0.006	0.021	664.002	TRUE	4.65E-125
PEF	ASAH1	rs4921565	C	G	-0.282	0.038	0.079	1.83E-13	0.000	0.017	0.981	0.002	54.178	TRUE	2.01E-12
PEF	ASAH1	rs4921581	A	G	0.132	0.008	0.333	1.07E-54	-0.004	0.003	0.143	0.008	242.583	TRUE	2.25E-47
PEF	ASAH1	rs55831225	A	G	0.448	0.022	0.035	1.89E-89	0.006	0.006	0.315	0.013	402.115	TRUE	2.38E-79
PEF	ASAH1	rs58577175	A	G	-0.146	0.019	0.046	1.26E-14	-0.004	0.006	0.534	0.002	59.437	TRUE	6.31E-13
PEF	ASAH1	rs60429850	T	A	0.232	0.014	0.086	2.34E-60	-0.004	0.005	0.427	0.008	268.542	TRUE	9.83E-54
PEF	ASAH1	rs62493051	T	G	0.119	0.019	0.051	1.64E-10	-0.006	0.006	0.313	0.001	40.857	TRUE	5.67E-09
PEF	ASAH1	rs62498240	A	G	0.461	0.032	0.018	4.30E-47	-0.021	0.009	0.027	0.007	207.715	TRUE	2.03E-39
PEF	ASAH1	rs62498369	C	G	0.127	0.010	0.197	7.42E-37	0.000	0.003	0.915	0.005	160.829	TRUE	1.07E-33
PEF	ASAH1	rs71526156	C	T	0.166	0.020	0.042	1.01E-16	-0.007	0.006	0.259	0.002	68.945	TRUE	2.60E-14
PEF	ASAH1	rs73666603	C	T	0.187	0.024	0.029	1.67E-14	-0.016	0.009	0.078	0.002	58.884	TRUE	8.38E-12
PEF	ASAH1	rs73666900	T	C	-0.199	0.033	0.017	1.90E-09	-0.005	0.009	0.577	0.001	36.072	TRUE	2.33E-08
PEF	ASAH1	rs76745328	C	A	-0.301	0.029	0.025	6.93E-26	0.006	0.007	0.394	0.003	110.680	TRUE	9.79E-23
PEF	ASAH1	rs77230387	A	C	0.352	0.028	0.022	4.09E-35	-0.013	0.008	0.080	0.005	152.859	TRUE	1.10E-29
PEF	ASAH1	rs77940935	T	C	0.176	0.024	0.032	1.12E-13	-0.001	0.007	0.911	0.002	55.142	TRUE	1.51E-12
PEF	ASAH1	rs77947374	T	C	0.351	0.021	0.037	3.39E-62	-0.008	0.007	0.225	0.009	276.979	TRUE	1.49E-54
PEF	ASAH1	rs7818834	C	T	0.044	0.008	0.407	3.95E-08	0.000	0.003	0.870	0.001	30.173	TRUE	1.87E-07
PEF	ASAH1	rs78337862	A	G	-0.322	0.019	0.049	7.23E-62	0.022	0.005	5.61E-05	0.009	275.469	TRUE	6.29E-49

PEF	ASAH1	rs971473	T	C	0.156	0.023	0.031	1.07E-11	-0.016	0.008	0.049	0.001	46.202	TRUE	3.01E-09
PEF	ATP13A2	rs11203397	G	A	0.126	0.011	0.170	1.16E-28	-0.009	0.003	0.013	0.004	123.354	TRUE	4.26E-23
PEF	ATP13A2	rs115307529	A	G	0.153	0.024	0.033	3.61E-10	-0.003	0.006	0.595	0.001	39.311	TRUE	5.00E-09
PEF	ATP13A2	rs115736587	T	C	-0.196	0.026	0.043	3.43E-14	0.016	0.005	5.68E-04	0.002	57.468	TRUE	3.99E-10
PEF	ATP13A2	rs14126	A	G	-0.056	0.009	0.286	1.46E-10	-0.001	0.003	0.717	0.001	41.080	TRUE	1.65E-09
PEF	ATP13A2	rs150814450	G	A	-0.236	0.030	0.022	3.76E-15	0.008	0.007	0.256	0.002	61.820	TRUE	6.33E-13
PEF	ATP13A2	rs189266865	A	C	0.173	0.018	0.054	2.72E-21	-0.027	0.008	3.37E-04	0.003	89.729	TRUE	1.04E-15
PEF	ATP13A2	rs2076615	C	A	-0.098	0.009	0.262	5.60E-27	0.015	0.003	5.30E-07	0.004	115.667	TRUE	1.07E-18
PEF	ATP13A2	rs2501814	T	A	-0.068	0.010	0.263	1.32E-11	0.003	0.003	0.250	0.001	45.781	TRUE	8.04E-10
PEF	ATP13A2	rs2761502	G	T	0.064	0.012	0.265	3.92E-08	-0.007	0.004	0.050	0.001	30.184	TRUE	2.79E-06
PEF	ATP13A2	rs4920605	G	A	-0.163	0.008	0.441	4.36E-93	0.022	0.003	2.46E-18	0.013	418.816	TRUE	1.15E-64
PEF	ATP6V0A2	rs11572960	A	C	-0.292	0.038	0.015	1.77E-14	-0.025	0.011	0.029	0.002	58.773	TRUE	2.03E-11
PEF	ATP6V0A2	rs11609591	A	T	0.109	0.008	0.379	2.05E-40	0.012	0.003	1.71E-06	0.006	177.122	TRUE	6.26E-30
PEF	ATP6V0A2	rs143928387	T	C	0.093	0.016	0.066	8.70E-09	0.016	0.004	2.51E-04	0.001	33.111	TRUE	8.26E-06
PEF	ATP6V0A2	rs150792771	A	G	0.282	0.050	0.019	1.68E-08	0.005	0.010	0.601	0.001	31.835	TRUE	1.54E-07
PEF	ATP6V0A2	rs73416283	A	C	0.321	0.031	0.022	2.13E-25	0.016	0.009	0.090	0.003	108.453	TRUE	2.76E-21
PEF	ATP6V0A2	rs79684108	C	A	0.197	0.024	0.029	1.48E-16	0.017	0.007	0.012	0.002	68.197	TRUE	7.08E-13
PEF	ATP6V0A2	rs7969207	T	C	-0.050	0.008	0.489	3.40E-10	-0.008	0.003	0.001	0.001	39.426	TRUE	3.31E-07
PEF	ATP6V0D1	rs116008080	A	G	-0.177	0.031	0.022	7.17E-09	-0.018	0.008	0.035	0.001	33.487	TRUE	8.39E-07
PEF	ATP6V0D1	rs117499742	A	G	-0.190	0.028	0.025	2.59E-11	0.003	0.007	0.646	0.001	44.465	TRUE	4.17E-10
PEF	ATP6V0D1	rs117946183	G	A	-0.608	0.027	0.025	3.62E-114	0.019	0.009	0.029	0.016	515.683	TRUE	2.62E-98
PEF	ATP6V0D1	rs118176502	T	C	0.090	0.016	0.081	1.36E-08	0.001	0.004	0.899	0.001	32.242	TRUE	6.71E-08
PEF	ATP6V0D1	rs140975074	A	G	-0.342	0.048	0.021	1.19E-12	-0.026	0.019	0.186	0.002	50.500	TRUE	1.41E-10
PEF	ATP6V0D1	rs142834247	A	G	-0.293	0.045	0.015	9.27E-11	0.019	0.010	0.053	0.001	41.967	TRUE	1.73E-08
PEF	ATP6V0D1	rs28711261	G	A	-0.377	0.012	0.124	1.83E-218	0.002	0.004	0.582	0.030	995.300	TRUE	3.92E-196
PEF	ATP6V0D1	rs3848284	G	C	-0.083	0.013	0.114	5.23E-11	0.005	0.004	0.248	0.001	43.086	TRUE	2.69E-09
PEF	ATP6V0D1	rs67483828	A	G	-0.966	0.023	0.030	0.00E+00	0.017	0.006	0.008	0.052	1746.050	TRUE	0.00E+00
PEF	ATP6V0D1	rs7200919	A	G	-0.115	0.008	0.432	1.14E-46	0.004	0.003	0.119	0.006	205.779	TRUE	3.55E-40
PEF	ATP6V0D1	rs75842420	A	G	-0.336	0.016	0.071	9.51E-96	0.011	0.005	0.019	0.013	431.043	TRUE	9.98E-82
PEF	ATP6V0D1	rs7672	C	G	0.071	0.009	0.296	1.56E-15	0.005	0.003	0.071	0.002	63.549	TRUE	1.26E-12
PEF	ATP6V0D1	rs8049470	T	C	-0.742	0.072	0.031	4.82E-25	0.009	0.019	0.653	0.003	106.834	TRUE	1.78E-22
PEF	ATP6V0D1	rs9940621	C	A	-0.080	0.008	0.417	5.01E-23	0.002	0.003	0.454	0.003	97.636	TRUE	2.47E-20
PEF	BCL2L1	rs6088962	T	C	-0.074	0.010	0.212	3.99E-13	-0.011	0.003	4.74E-04	0.002	52.647	TRUE	2.99E-09
PEF	BCL2L11	rs113135335	G	T	0.165	0.013	0.109	3.04E-38	-0.012	0.004	0.003	0.005	167.180	TRUE	1.12E-30
PEF	BCL2L11	rs6734942	T	C	-0.086	0.008	0.367	1.24E-25	0.009	0.003	5.30E-04	0.003	109.526	TRUE	2.13E-19
PEF	BLOC1S2	rs11190386	G	A	-0.164	0.023	0.037	4.78E-13	0.001	0.008	0.912	0.002	52.290	TRUE	5.77E-12
PEF	BLOC1S2	rs12775700	A	G	0.054	0.009	0.279	1.34E-09	0.000	0.003	0.977	0.001	36.748	TRUE	7.05E-09
PEF	BLOC1S2	rs12776093	C	T	0.082	0.014	0.085	1.02E-08	0.003	0.004	0.546	0.001	32.810	TRUE	1.15E-07
PEF	BLOC1S2	rs17882802	A	G	0.101	0.008	0.399	1.05E-35	-0.005	0.003	0.039	0.005	155.555	TRUE	1.00E-29
PEF	BLOC1S2	rs2804951	A	G	-0.103	0.015	0.073	2.04E-11	0.009	0.005	0.091	0.001	44.932	TRUE	3.13E-09
PEF	BLOC1S2	rs33965491	G	T	0.114	0.018	0.053	3.05E-10	0.005	0.005	0.354	0.001	39.640	TRUE	8.60E-09
PEF	BNIP3	rs11146255	A	G	0.277	0.034	0.257	1.71E-16	0.002	0.003	0.518	0.002	67.906	TRUE	1.43E-14

PEF	BNIP3	rs7077135	C	T	-0.130	0.017	0.245	2.46E-14	0.008	0.003	0.008	0.002	58.125	TRUE	6.83E-11
PEF	C11orf82	rs10431152	G	A	0.113	0.017	0.081	1.78E-11	0.001	0.005	0.896	0.001	45.201	TRUE	1.61E-10
PEF	C11orf82	rs11233361	T	C	-0.132	0.009	0.478	1.25E-52	-0.007	0.003	0.004	0.007	233.104	TRUE	5.28E-43
PEF	C11orf82	rs117944468	C	T	-0.231	0.026	0.035	5.41E-19	-0.001	0.007	0.855	0.002	79.269	TRUE	2.61E-17
PEF	C11orf82	rs12282547	C	G	-0.283	0.038	0.024	5.80E-14	0.009	0.010	0.363	0.002	56.436	TRUE	4.38E-12
PEF	C11orf82	rs144983069	A	G	-0.399	0.049	0.013	6.09E-16	0.013	0.012	0.288	0.002	65.405	TRUE	1.08E-13
PEF	C11orf82	rs2298669	G	A	-0.126	0.021	0.044	2.98E-09	-0.003	0.007	0.695	0.001	35.196	TRUE	2.65E-08
PEF	C11orf82	rs2511866	T	G	-0.076	0.009	0.385	2.51E-17	-0.006	0.003	0.031	0.002	71.696	TRUE	7.66E-14
PEF	C11orf82	rs584337	A	G	0.114	0.020	0.065	1.27E-08	-0.004	0.005	0.414	0.001	32.376	TRUE	1.89E-07
PEF	C11orf82	rs74932934	A	G	-0.522	0.055	0.023	1.63E-21	-0.017	0.017	0.320	0.003	90.746	TRUE	1.13E-18
PEF	C11orf82	rs7940878	T	C	0.100	0.013	0.120	4.71E-14	0.006	0.004	0.130	0.002	56.845	TRUE	1.21E-11
PEF	C12orf5	rs1046165	T	C	0.119	0.012	0.170	3.53E-25	0.003	0.004	0.418	0.003	107.452	TRUE	3.62E-22
PEF	C12orf5	rs10505729	G	A	-0.063	0.009	0.328	9.68E-12	-0.004	0.003	0.196	0.001	46.389	TRUE	8.20E-10
PEF	C12orf5	rs10849038	T	C	0.094	0.014	0.105	2.51E-11	-0.003	0.004	0.400	0.001	44.524	TRUE	8.11E-10
PEF	C12orf5	rs12819956	G	A	-0.153	0.010	0.263	1.03E-54	-0.002	0.003	0.518	0.008	242.647	TRUE	6.21E-49
PEF	C12orf5	rs3217844	T	C	-0.196	0.028	0.027	4.82E-12	-0.009	0.008	0.246	0.002	47.756	TRUE	3.44E-10
PEF	C12orf5	rs3217860	G	A	-0.207	0.010	0.265	4.50E-100	-0.008	0.003	0.005	0.014	450.916	TRUE	2.65E-84
PEF	C12orf5	rs3217861	T	C	0.103	0.010	0.225	3.99E-23	-0.002	0.003	0.608	0.003	98.087	TRUE	1.07E-20
PEF	C12orf5	rs7133323	A	C	-0.097	0.009	0.375	1.17E-24	-0.002	0.003	0.482	0.003	105.085	TRUE	7.65E-22
PEF	C12orf5	rs73040064	C	A	0.126	0.010	0.232	3.72E-34	0.000	0.003	0.977	0.005	148.474	TRUE	2.50E-31
PEF	CASP9	rs10803384	A	C	-0.116	0.010	0.201	2.61E-31	0.000	0.003	0.912	0.004	135.459	TRUE	1.23E-28
PEF	CASP9	rs10927892	C	A	-0.050	0.009	0.463	4.08E-09	0.002	0.003	0.380	0.001	34.582	TRUE	7.79E-08
PEF	CASP9	rs111778267	A	G	-0.281	0.039	0.016	1.12E-12	0.011	0.010	0.252	0.002	50.626	TRUE	9.58E-11
PEF	CASP9	rs114521883	A	G	0.186	0.032	0.022	8.25E-09	-0.013	0.008	0.093	0.001	33.212	TRUE	5.00E-07
PEF	CASP9	rs115987755	T	C	-0.237	0.026	0.028	1.97E-20	0.012	0.008	0.134	0.003	85.813	TRUE	3.56E-17
PEF	CASP9	rs12137566	T	C	0.244	0.023	0.038	3.27E-26	-0.010	0.006	0.108	0.004	112.171	TRUE	4.35E-22
PEF	CASP9	rs12562037	C	T	-0.108	0.012	0.117	4.60E-18	0.002	0.004	0.634	0.002	75.042	TRUE	3.65E-16
PEF	CASP9	rs139276747	T	C	0.398	0.034	0.018	4.71E-31	-0.005	0.008	0.506	0.004	134.287	TRUE	1.28E-27
PEF	CASP9	rs143073914	T	C	0.298	0.039	0.025	3.40E-14	0.004	0.009	0.643	0.002	57.483	TRUE	1.07E-12
PEF	CASP9	rs149289645	T	C	-0.328	0.032	0.020	3.53E-25	0.005	0.010	0.642	0.003	107.452	TRUE	1.37E-22
PEF	CASP9	rs2020902	G	A	-0.348	0.011	0.142	8.35E-211	0.007	0.004	0.062	0.029	960.058	TRUE	1.75E-184
PEF	CASP9	rs2308950	T	C	-0.252	0.035	0.017	7.52E-13	0.007	0.011	0.528	0.002	51.400	TRUE	2.43E-11
PEF	CASP9	rs34279773	A	G	0.330	0.027	0.030	4.08E-34	-0.003	0.007	0.699	0.005	148.289	TRUE	8.96E-31
PEF	CASP9	rs35365738	A	G	-0.109	0.009	0.293	6.40E-36	0.002	0.003	0.571	0.005	156.546	TRUE	3.75E-32
PEF	CASP9	rs35495014	G	A	-0.104	0.008	0.352	2.69E-35	0.004	0.003	0.148	0.005	153.691	TRUE	2.75E-30
PEF	CASP9	rs35549389	G	A	-0.154	0.027	0.024	1.30E-08	0.001	0.007	0.878	0.001	32.326	TRUE	6.81E-08
PEF	CASP9	rs3765370	G	T	0.179	0.013	0.114	1.35E-41	-0.006	0.004	0.143	0.006	182.523	TRUE	8.14E-36
PEF	CASP9	rs3820070	C	T	0.270	0.021	0.046	1.74E-39	-0.004	0.008	0.562	0.005	172.870	TRUE	2.49E-35
PEF	CASP9	rs61780990	T	C	0.167	0.023	0.039	1.33E-13	0.003	0.006	0.657	0.002	54.798	TRUE	3.59E-12
PEF	CASP9	rs61782448	A	C	-0.074	0.012	0.142	2.26E-10	0.004	0.003	0.242	0.001	40.229	TRUE	1.02E-08
PEF	CASP9	rs61783873	G	A	0.084	0.012	0.146	3.76E-12	-0.003	0.003	0.407	0.002	48.241	TRUE	1.47E-10
PEF	CASP9	rs6429746	A	G	0.327	0.008	0.309	0.00E+00	-0.006	0.003	0.023	0.045	1504.629	TRUE	1.24E-286

PEF	CASP9	rs67833669	A	G	0.103	0.015	0.081	6.28E-12	0.001	0.005	0.766	0.001	47.238	TRUE	8.71E-11
PEF	CASP9	rs7522578	C	T	-0.139	0.008	0.438	1.88E-67	0.003	0.003	0.292	0.009	301.100	TRUE	1.68E-59
PEF	CASP9	rs79757554	T	C	0.235	0.022	0.041	8.90E-26	-0.003	0.006	0.607	0.003	110.185	TRUE	4.48E-23
PEF	CASP9	rs80200735	A	C	-0.364	0.042	0.017	2.42E-18	0.008	0.011	0.473	0.002	76.309	TRUE	3.65E-16
PEF	CBL	rs11217241	T	C	-0.189	0.022	0.099	2.07E-17	-0.005	0.005	0.390	0.002	72.069	TRUE	3.55E-15
PEF	CBL	rs112233726	A	G	0.195	0.036	0.035	4.21E-08	-0.003	0.006	0.614	0.001	30.051	TRUE	3.39E-07
PEF	CBL	rs117431399	G	T	-0.558	0.061	0.016	6.80E-20	0.012	0.010	0.236	0.003	83.366	TRUE	4.81E-17
PEF	CBL	rs1784304	A	C	0.083	0.014	0.253	4.54E-09	-0.004	0.003	0.273	0.001	34.375	TRUE	1.19E-07
PEF	CBL	rs1918	C	T	0.190	0.033	0.040	1.24E-08	-0.001	0.006	0.929	0.001	32.424	TRUE	5.93E-08
PEF	CBL	rs2155380	G	A	-0.315	0.013	0.294	4.72E-135	0.009	0.003	0.002	0.019	611.683	TRUE	6.58E-114
PEF	CBL	rs2509656	A	G	0.145	0.019	0.131	1.06E-13	0.003	0.004	0.398	0.002	55.248	TRUE	6.42E-12
PEF	CBL	rs2511842	T	C	-0.542	0.054	0.017	1.69E-23	0.016	0.009	0.057	0.003	99.790	TRUE	2.13E-19
PEF	CBL	rs616314	A	T	0.121	0.016	0.159	6.58E-14	-0.001	0.003	0.676	0.002	56.187	TRUE	1.76E-12
PEF	CBL	rs674424	T	C	0.104	0.014	0.249	2.55E-14	0.001	0.003	0.749	0.002	58.052	TRUE	6.04E-13
PEF	CBL	rs73001395	T	C	0.196	0.021	0.105	4.50E-20	-0.007	0.004	0.075	0.003	84.183	TRUE	1.48E-16
PEF	CBL	rs77638281	A	G	-0.216	0.033	0.034	3.36E-11	-0.002	0.006	0.756	0.001	43.952	TRUE	3.98E-10
PEF	CD14	rs114216104	T	C	-0.381	0.036	0.017	1.45E-25	-0.021	0.010	0.038	0.003	109.212	TRUE	5.82E-21
PEF	CD14	rs114294512	A	G	-0.158	0.023	0.034	2.93E-12	-0.008	0.008	0.336	0.002	48.734	TRUE	1.55E-10
PEF	CD14	rs11743532	T	C	0.106	0.009	0.254	4.62E-31	0.005	0.003	0.086	0.004	134.324	TRUE	3.53E-26
PEF	CD14	rs11746363	A	G	0.060	0.010	0.187	5.13E-09	0.005	0.003	0.146	0.001	34.139	TRUE	2.35E-07
PEF	CD14	rs13179861	A	G	-0.142	0.010	0.192	2.09E-45	-0.005	0.003	0.130	0.006	199.986	TRUE	4.77E-39
PEF	CD14	rs139907207	G	A	-0.205	0.034	0.016	2.72E-09	0.002	0.010	0.837	0.001	35.374	TRUE	1.79E-08
PEF	CD14	rs143443534	T	C	-0.383	0.038	0.016	4.71E-24	-0.016	0.011	0.140	0.003	102.319	TRUE	2.30E-20
PEF	CD14	rs144796203	T	C	-0.257	0.039	0.019	6.02E-11	-0.007	0.011	0.502	0.001	42.811	TRUE	1.31E-09
PEF	CD14	rs145618551	A	G	0.263	0.035	0.022	5.50E-14	0.000	0.011	0.986	0.002	56.538	TRUE	6.53E-13
PEF	CD14	rs148099171	A	G	0.263	0.032	0.022	1.18E-16	0.001	0.008	0.904	0.002	68.647	TRUE	2.98E-15
PEF	CD14	rs151194218	T	C	-0.247	0.040	0.013	8.69E-10	-0.016	0.012	0.165	0.001	37.596	TRUE	4.64E-08
PEF	CD14	rs155805	T	C	0.152	0.017	0.059	2.35E-18	0.003	0.005	0.577	0.002	76.369	TRUE	2.40E-16
PEF	CD14	rs2563332	T	C	0.223	0.010	0.211	2.50E-117	0.001	0.003	0.684	0.016	530.207	TRUE	7.06E-106
PEF	CD14	rs2907302	A	G	0.048	0.008	0.323	1.30E-08	-0.006	0.003	0.030	0.001	32.333	TRUE	1.54E-06
PEF	CD14	rs31872	G	A	-0.085	0.008	0.413	5.38E-26	-0.006	0.003	0.015	0.003	111.182	TRUE	5.77E-21
PEF	CD14	rs35066128	A	G	0.109	0.016	0.066	7.78E-12	0.011	0.005	0.037	0.001	46.818	TRUE	2.88E-09
PEF	CD14	rs4912711	T	G	0.127	0.013	0.099	2.02E-21	0.006	0.004	0.148	0.003	90.322	TRUE	4.46E-18
PEF	CD14	rs57599368	G	A	-0.339	0.009	0.241	1.53E-302	-0.006	0.003	0.045	0.042	1382.138	TRUE	2.20E-264
PEF	CD14	rs62622796	T	C	-0.232	0.028	0.025	2.77E-16	-0.005	0.007	0.523	0.002	66.957	TRUE	2.12E-14
PEF	CD14	rs702401	T	C	-0.353	0.029	0.027	5.33E-35	-0.011	0.007	0.118	0.005	152.336	TRUE	7.46E-30
PEF	CD14	rs72798872	C	T	-0.296	0.028	0.026	8.84E-26	0.002	0.009	0.810	0.003	110.197	TRUE	2.03E-23
PEF	CD14	rs72800961	C	T	0.138	0.022	0.042	3.60E-10	-0.015	0.006	0.009	0.001	39.318	TRUE	1.58E-07
PEF	CD14	rs73257091	T	C	0.064	0.010	0.225	2.00E-11	0.001	0.003	0.673	0.001	44.968	TRUE	3.16E-10
PEF	CD14	rs76148587	T	C	0.316	0.013	0.108	2.14E-124	0.007	0.004	0.069	0.017	562.698	TRUE	2.74E-108
PEF	CD14	rs78145741	A	G	-0.266	0.021	0.042	6.57E-38	0.004	0.006	0.476	0.005	165.647	TRUE	1.03E-33
PEF	CD14	rs79412572	A	G	-0.317	0.041	0.016	8.00E-15	-0.006	0.009	0.477	0.002	60.332	TRUE	4.97E-13

PEF	CD14	rs990983	C	T	0.206	0.031	0.020	3.85E-11	-0.027	0.009	0.002	0.001	43.687	TRUE	5.81E-08
PEF	CD63	rs117539839	C	A	-0.181	0.033	0.020	2.86E-08	-0.008	0.009	0.369	0.001	30.801	TRUE	4.44E-07
PEF	CD63	rs1316899	A	G	-0.066	0.011	0.155	1.91E-09	-0.003	0.004	0.430	0.001	36.062	TRUE	3.38E-08
PEF	CD63	rs140633285	G	A	-0.205	0.030	0.024	4.97E-12	-0.005	0.009	0.602	0.002	47.695	TRUE	1.06E-10
PEF	CD63	rs143714898	T	C	-0.139	0.022	0.039	1.46E-10	-0.008	0.007	0.260	0.001	41.080	TRUE	6.34E-09
PEF	CD63	rs1852334	G	A	-0.054	0.008	0.448	4.78E-11	-0.003	0.003	0.234	0.001	43.262	TRUE	2.72E-09
PEF	CD63	rs3138136	T	C	0.105	0.015	0.080	7.14E-13	0.003	0.004	0.475	0.002	51.503	TRUE	2.67E-11
PEF	CD63	rs4759185	C	T	-0.067	0.010	0.243	1.38E-12	-0.003	0.003	0.316	0.002	50.214	TRUE	8.58E-11
PEF	CD63	rs55927117	A	G	-0.152	0.009	0.293	4.41E-66	0.007	0.003	0.014	0.009	294.813	TRUE	1.35E-55
PEF	CD63	rs60169753	T	G	0.141	0.019	0.049	3.05E-14	0.002	0.006	0.781	0.002	57.699	TRUE	6.74E-13
PEF	CD63	rs772254	T	C	0.087	0.014	0.090	5.82E-10	0.005	0.005	0.358	0.001	38.378	TRUE	1.50E-08
PEF	CDC42	rs10157126	C	T	0.057	0.010	0.185	2.52E-08	-0.005	0.003	0.152	0.001	31.041	TRUE	8.73E-07
PEF	CDC42	rs10799745	A	G	0.082	0.011	0.155	1.16E-13	0.004	0.003	0.205	0.002	55.074	TRUE	1.65E-11
PEF	CDC42	rs10917051	A	C	-0.059	0.009	0.329	1.86E-11	-0.001	0.003	0.732	0.001	45.115	TRUE	2.45E-10
PEF	CDC42	rs12030578	T	C	0.119	0.011	0.171	1.74E-29	-0.011	0.003	0.001	0.004	127.117	TRUE	5.58E-23
PEF	CDC42	rs12035094	T	G	0.457	0.027	0.024	4.37E-65	0.004	0.009	0.646	0.009	290.240	TRUE	1.22E-58
PEF	CDC42	rs12035401	G	A	-0.143	0.013	0.120	5.94E-29	0.011	0.004	0.006	0.004	124.685	TRUE	5.57E-23
PEF	CDC42	rs12093861	G	A	0.165	0.008	0.405	3.78E-93	0.008	0.003	0.003	0.013	419.103	TRUE	4.75E-78
PEF	CDC42	rs12125201	T	A	-0.061	0.010	0.212	3.22E-10	0.011	0.003	3.31E-04	0.001	39.531	TRUE	6.95E-07
PEF	CDC42	rs12131703	T	C	-0.071	0.012	0.124	3.57E-09	0.002	0.004	0.534	0.001	34.841	TRUE	4.56E-08
PEF	CDC42	rs1256341	C	T	-0.062	0.009	0.280	2.12E-12	0.004	0.003	0.210	0.002	49.367	TRUE	2.01E-10
PEF	CDC42	rs12740670	T	G	0.160	0.018	0.058	1.74E-19	0.008	0.005	0.159	0.003	81.514	TRUE	1.89E-16
PEF	CDC42	rs141779913	A	G	0.548	0.092	0.013	2.48E-09	0.008	0.015	0.600	0.001	35.555	TRUE	2.78E-08
PEF	CDC42	rs146131710	G	A	0.288	0.022	0.038	1.13E-38	-0.002	0.008	0.833	0.005	169.151	TRUE	3.50E-35
PEF	CDC42	rs148963741	T	C	-0.255	0.032	0.022	1.27E-15	-0.019	0.011	0.081	0.002	63.957	TRUE	9.17E-13
PEF	CDC42	rs149413568	T	C	-0.133	0.023	0.040	4.86E-09	0.007	0.006	0.251	0.001	34.244	TRUE	1.39E-07
PEF	CDC42	rs16826249	T	C	-0.150	0.017	0.063	4.50E-19	-0.002	0.005	0.703	0.003	79.632	TRUE	3.49E-17
PEF	CDC42	rs17427572	T	C	-0.132	0.016	0.072	1.50E-16	0.001	0.005	0.879	0.002	68.168	TRUE	3.92E-15
PEF	CDC42	rs2035449	G	T	0.061	0.009	0.243	6.74E-11	-0.010	0.003	6.04E-04	0.001	42.591	TRUE	1.56E-07
PEF	CDC42	rs2473290	T	C	0.344	0.009	0.243	0.00E+00	-0.006	0.003	0.043	0.043	1430.979	TRUE	8.05E-274
PEF	CDC42	rs2501299	C	T	0.273	0.008	0.363	3.16E-235	-0.007	0.003	0.006	0.033	1072.412	TRUE	1.28E-202
PEF	CDC42	rs2744751	A	C	0.095	0.008	0.375	2.96E-31	0.003	0.003	0.212	0.004	135.211	TRUE	5.10E-27
PEF	CDC42	rs2807355	A	C	-0.100	0.012	0.124	9.46E-17	-0.004	0.004	0.363	0.002	69.074	TRUE	1.55E-14
PEF	CDC42	rs28462103	T	C	-0.184	0.017	0.056	9.96E-27	0.004	0.005	0.410	0.004	114.525	TRUE	1.60E-23
PEF	CDC42	rs28617726	A	G	0.108	0.015	0.074	9.46E-13	0.008	0.005	0.115	0.002	50.951	TRUE	1.81E-10
PEF	CDC42	rs35182048	C	T	0.147	0.025	0.030	4.12E-09	-0.003	0.007	0.685	0.001	34.565	TRUE	3.65E-08
PEF	CDC42	rs4654773	A	G	0.103	0.011	0.163	9.26E-22	-0.007	0.004	0.043	0.003	91.862	TRUE	1.01E-17
PEF	CDC42	rs4654995	T	C	-0.084	0.009	0.353	4.14E-19	0.000	0.003	0.973	0.003	79.797	TRUE	1.40E-17
PEF	CDC42	rs4655022	T	C	0.122	0.009	0.228	1.02E-37	0.006	0.003	0.043	0.005	164.767	TRUE	1.36E-31
PEF	CDC42	rs60718161	G	A	-0.066	0.012	0.128	3.12E-08	0.005	0.004	0.177	0.001	30.632	TRUE	9.38E-07
PEF	CDC42	rs6673001	A	G	0.271	0.037	0.018	1.67E-13	-0.014	0.010	0.149	0.002	54.358	TRUE	3.22E-11
PEF	CDC42	rs67504988	T	G	-0.080	0.008	0.347	4.61E-22	-0.009	0.003	4.18E-04	0.003	93.244	TRUE	2.19E-16

PEF	CDC42	rs72649403	T	G	-0.076	0.009	0.234	7.46E-16	-0.009	0.003	0.003	0.002	65.005	TRUE	7.71E-12
PEF	CDC42	rs72662467	A	G	-0.146	0.022	0.041	4.48E-11	-0.001	0.007	0.855	0.001	43.388	TRUE	4.10E-10
PEF	CDC42	rs72665339	A	G	-0.184	0.010	0.199	1.38E-76	0.003	0.003	0.342	0.011	343.028	TRUE	5.65E-68
PEF	CDC42	rs74778002	A	G	0.284	0.049	0.020	8.93E-09	-0.005	0.011	0.617	0.001	33.058	TRUE	8.48E-08
PEF	CDC42	rs7556412	C	T	0.114	0.009	0.346	6.13E-37	-0.008	0.003	0.004	0.005	161.208	TRUE	1.41E-29
PEF	CDC42	rs760916	G	T	0.164	0.020	0.043	1.07E-16	-0.018	0.006	0.006	0.002	68.832	TRUE	9.03E-13
PEF	CDC42	rs78665342	A	G	0.243	0.037	0.017	7.12E-11	-0.005	0.009	0.589	0.001	42.484	TRUE	1.21E-09
PEF	CDC42	rs79364962	A	G	0.162	0.018	0.052	4.18E-19	0.004	0.005	0.426	0.003	79.779	TRUE	9.26E-17
PEF	CDKN2D	rs117717044	T	C	-1.457	0.137	0.013	2.07E-26	0.018	0.018	0.314	0.004	113.070	TRUE	5.43E-23
PEF	CDKN2D	rs11883423	G	A	-0.100	0.009	0.335	2.46E-27	-0.006	0.003	0.018	0.004	117.298	TRUE	3.59E-22
PEF	CDKN2D	rs190740393	C	T	-0.087	0.016	0.089	3.59E-08	-0.001	0.005	0.875	0.001	30.356	TRUE	1.75E-07
PEF	CDKN2D	rs34457396	G	T	-0.127	0.018	0.059	1.29E-12	-0.008	0.005	0.151	0.002	50.338	TRUE	1.89E-10
PEF	CDKN2D	rs4804510	A	G	-0.065	0.009	0.369	5.18E-13	-0.006	0.003	0.022	0.002	52.131	TRUE	4.40E-10
PEF	CDKN2D	rs62131898	G	A	0.114	0.014	0.132	1.25E-16	-0.001	0.004	0.729	0.002	68.518	TRUE	5.18E-15
PEF	CDKN2D	rs8106542	C	T	0.065	0.010	0.200	5.15E-11	0.005	0.003	0.092	0.001	43.115	TRUE	7.05E-09
PEF	CDKN2D	rs8108051	C	T	0.161	0.009	0.458	3.71E-80	0.006	0.003	0.013	0.011	359.430	TRUE	1.18E-67
PEF	CHMP4B	rs117487769	G	A	-0.188	0.030	0.022	1.95E-10	-0.007	0.009	0.398	0.001	40.511	TRUE	5.01E-09
PEF	CHMP4B	rs117572541	T	C	0.381	0.032	0.019	1.67E-33	-0.010	0.009	0.233	0.005	145.488	TRUE	4.48E-29
PEF	CHMP4B	rs117763311	T	C	-0.136	0.023	0.032	3.98E-09	0.006	0.009	0.500	0.001	34.633	TRUE	5.42E-08
PEF	CHMP4B	rs117879275	C	A	-0.208	0.028	0.026	2.32E-13	-0.007	0.009	0.437	0.002	53.708	TRUE	1.13E-11
PEF	CHMP4B	rs117967773	A	G	-0.153	0.010	0.184	1.04E-50	-0.003	0.003	0.405	0.007	224.294	TRUE	5.23E-45
PEF	CHMP4B	rs1205339	G	A	0.087	0.011	0.172	1.55E-16	0.000	0.003	1.000	0.002	68.100	TRUE	2.90E-15
PEF	CHMP4B	rs137942933	T	G	0.382	0.033	0.022	3.93E-31	0.008	0.009	0.382	0.004	134.644	TRUE	2.19E-27
PEF	CHMP4B	rs138440819	A	G	0.155	0.026	0.031	2.08E-09	0.004	0.007	0.552	0.001	35.899	TRUE	2.71E-08
PEF	CHMP4B	rs141314118	A	G	0.228	0.031	0.023	3.09E-13	-0.008	0.009	0.336	0.002	53.147	TRUE	2.15E-11
PEF	CHMP4B	rs145989066	A	C	-0.159	0.023	0.038	1.12E-11	0.002	0.007	0.773	0.001	46.113	TRUE	1.42E-10
PEF	CHMP4B	rs147017801	C	T	-0.209	0.025	0.028	1.37E-16	0.012	0.008	0.135	0.002	68.349	TRUE	7.54E-14
PEF	CHMP4B	rs169797	G	A	0.153	0.009	0.282	2.75E-68	0.002	0.003	0.596	0.010	304.929	TRUE	2.23E-61
PEF	CHMP4B	rs1891869	A	G	0.134	0.016	0.067	3.18E-16	0.016	0.005	4.56E-04	0.002	66.683	TRUE	1.02E-11
PEF	CHMP4B	rs2064339	A	G	0.140	0.021	0.048	8.22E-12	-0.005	0.006	0.452	0.001	46.709	TRUE	2.59E-10
PEF	CHMP4B	rs2092478	G	C	-0.155	0.008	0.393	1.26E-79	-0.008	0.003	0.004	0.011	356.985	TRUE	2.19E-66
PEF	CHMP4B	rs2626554	A	G	0.329	0.008	0.486	0.00E+00	0.004	0.003	0.151	0.053	1788.572	TRUE	0.00E+00
PEF	CHMP4B	rs34808007	T	C	0.344	0.015	0.082	9.23E-124	0.009	0.004	0.034	0.017	559.777	TRUE	6.67E-107
PEF	CHMP4B	rs34919557	T	C	-0.141	0.013	0.096	1.20E-25	0.001	0.004	0.795	0.003	109.585	TRUE	2.83E-23
PEF	CHMP4B	rs6057927	A	G	-0.123	0.010	0.219	1.83E-37	0.006	0.003	0.030	0.005	163.610	TRUE	4.57E-31
PEF	CHMP4B	rs6087524	T	C	-0.299	0.010	0.193	7.52E-199	0.000	0.004	0.988	0.028	905.077	TRUE	1.66E-180
PEF	CHMP4B	rs6088092	C	T	0.044	0.008	0.409	4.86E-08	0.004	0.003	0.113	0.001	29.768	TRUE	1.97E-06
PEF	CHMP4B	rs6088114	A	G	0.068	0.011	0.165	2.74E-10	-0.001	0.003	0.685	0.001	39.847	TRUE	3.21E-09
PEF	CHMP4B	rs6088181	A	C	0.074	0.008	0.376	3.43E-18	0.000	0.003	0.985	0.002	75.619	TRUE	9.71E-17
PEF	CHMP4B	rs6088426	A	G	-0.141	0.013	0.111	2.79E-26	0.000	0.005	0.961	0.004	112.480	TRUE	4.02E-24
PEF	CHMP4B	rs6119406	G	A	-0.277	0.039	0.016	1.59E-12	0.017	0.013	0.177	0.002	49.931	TRUE	1.88E-10
PEF	CHMP4B	rs6142034	A	G	-0.236	0.011	0.157	1.03E-104	-0.009	0.004	0.013	0.015	472.245	TRUE	3.31E-89

PEF	CHMP4B	rs7268203	C	T	-0.222	0.016	0.066	2.36E-43	-0.002	0.005	0.649	0.006	190.576	TRUE	4.99E-39
PEF	CHMP4B	rs7268701	C	T	-0.050	0.008	0.492	5.93E-10	-0.009	0.003	3.33E-04	0.001	38.341	TRUE	1.02E-06
PEF	CHMP4B	rs73119166	G	A	0.403	0.038	0.015	3.28E-26	-0.017	0.011	0.134	0.004	112.162	TRUE	3.13E-22
PEF	CHMP4B	rs74404666	G	T	0.213	0.035	0.017	7.80E-10	0.008	0.009	0.358	0.001	37.808	TRUE	1.95E-08
PEF	CHMP4B	rs74778497	A	G	0.153	0.019	0.056	1.81E-15	0.013	0.005	0.009	0.002	63.255	TRUE	7.60E-12
PEF	CHMP4B	rs76625538	C	T	-0.311	0.023	0.034	8.62E-42	-0.014	0.009	0.121	0.006	183.422	TRUE	7.37E-36
PEF	CHMP4B	rs79047848	T	C	-0.144	0.024	0.031	3.34E-09	-0.008	0.008	0.280	0.001	34.971	TRUE	8.98E-08
PEF	CHMP4B	rs79881952	A	G	0.187	0.020	0.044	4.98E-21	-0.007	0.006	0.248	0.003	88.535	TRUE	4.48E-18
PEF	CSNK2A2	rs2731750	A	G	0.136	0.011	0.156	6.14E-35	-0.007	0.003	0.032	0.005	152.055	TRUE	5.75E-29
PEF	CSNK2A2	rs56409821	T	G	0.093	0.016	0.063	1.35E-08	-0.004	0.005	0.449	0.001	32.254	TRUE	1.83E-07
PEF	CSNK2A2	rs7196686	T	G	0.062	0.008	0.457	9.59E-15	-0.002	0.003	0.515	0.002	59.975	TRUE	5.51E-13
PEF	CSNK2A2	rs78956198	C	A	-0.127	0.022	0.034	8.25E-09	0.001	0.007	0.906	0.001	33.212	TRUE	4.26E-08
PEF	CTSK	rs10305660	A	G	-0.365	0.029	0.024	1.45E-37	-0.019	0.007	0.009	0.005	164.081	TRUE	1.39E-30
PEF	CTSK	rs10305742	A	G	-0.333	0.025	0.031	9.99E-40	-0.012	0.008	0.123	0.005	173.971	TRUE	4.96E-34
PEF	CTSK	rs10749657	G	A	0.134	0.015	0.095	1.26E-18	0.004	0.005	0.425	0.002	77.593	TRUE	2.48E-16
PEF	CTSK	rs11204665	G	A	0.585	0.014	0.087	0.00E+00	0.011	0.005	0.028	0.052	1743.674	TRUE	0.00E+00
PEF	CTSK	rs112312596	T	C	0.491	0.019	0.052	6.47E-144	0.000	0.006	0.960	0.020	652.433	TRUE	6.27E-131
PEF	CTSK	rs112606184	T	C	0.131	0.022	0.041	1.38E-09	0.000	0.007	0.977	0.001	36.697	TRUE	7.13E-09
PEF	CTSK	rs115020213	A	G	0.496	0.029	0.024	9.69E-66	-0.004	0.009	0.675	0.009	293.240	TRUE	2.54E-59
PEF	CTSK	rs115539008	C	T	-0.331	0.034	0.017	8.26E-23	0.001	0.009	0.907	0.003	96.646	TRUE	7.28E-21
PEF	CTSK	rs11584880	T	C	0.155	0.019	0.056	9.88E-17	-0.009	0.005	0.078	0.002	68.989	TRUE	1.04E-13
PEF	CTSK	rs11589361	A	C	0.086	0.008	0.388	3.56E-26	-0.015	0.003	6.75E-09	0.004	112.001	TRUE	2.65E-17
PEF	CTSK	rs116279971	C	T	-0.225	0.028	0.023	2.44E-15	0.000	0.012	1.000	0.002	62.672	TRUE	3.62E-14
PEF	CTSK	rs116750901	A	G	0.249	0.019	0.051	2.19E-37	0.001	0.006	0.804	0.005	163.257	TRUE	5.98E-34
PEF	CTSK	rs11804318	T	C	-0.210	0.034	0.019	7.72E-10	0.020	0.011	0.066	0.001	37.827	TRUE	8.71E-08
PEF	CTSK	rs11808823	G	A	0.239	0.012	0.124	7.07E-87	0.017	0.004	5.30E-05	0.012	390.292	TRUE	5.22E-70
PEF	CTSK	rs12022137	A	G	-0.168	0.014	0.102	2.20E-31	0.007	0.004	0.097	0.004	135.799	TRUE	1.46E-26
PEF	CTSK	rs12124948	T	C	-0.384	0.008	0.425	0.00E+00	-0.007	0.003	0.009	0.071	2431.328	TRUE	0.00E+00
PEF	CTSK	rs12140371	G	A	0.402	0.027	0.028	3.11E-51	0.018	0.007	0.007	0.007	226.699	TRUE	3.32E-42
PEF	CTSK	rs12142278	G	A	0.109	0.010	0.228	9.22E-27	-0.007	0.003	0.021	0.004	114.680	TRUE	9.44E-22
PEF	CTSK	rs12406660	C	T	0.460	0.010	0.166	0.00E+00	0.012	0.003	8.56E-04	0.058	1953.338	TRUE	0.00E+00
PEF	CTSK	rs12718416	T	C	-0.209	0.013	0.100	2.42E-55	-0.002	0.004	0.619	0.008	245.539	TRUE	9.06E-50
PEF	CTSK	rs12723224	A	G	-0.136	0.013	0.143	7.11E-27	-0.005	0.003	0.158	0.004	115.195	TRUE	6.68E-23
PEF	CTSK	rs12754510	A	G	0.098	0.012	0.117	1.48E-15	0.002	0.004	0.589	0.002	63.657	TRUE	7.84E-14
PEF	CTSK	rs138631652	G	C	0.633	0.077	0.013	1.88E-16	-0.014	0.014	0.318	0.002	67.722	TRUE	3.37E-14
PEF	CTSK	rs141478564	T	C	0.393	0.039	0.016	3.12E-24	0.018	0.010	0.085	0.003	103.138	TRUE	3.06E-20
PEF	CTSK	rs142112360	T	C	0.241	0.032	0.023	2.60E-14	-0.006	0.010	0.512	0.002	58.015	TRUE	1.28E-12
PEF	CTSK	rs145332889	C	T	0.236	0.024	0.034	2.04E-22	-0.003	0.008	0.719	0.003	94.854	TRUE	3.20E-20
PEF	CTSK	rs147121980	A	G	0.319	0.024	0.037	8.34E-42	0.011	0.007	0.143	0.006	183.489	TRUE	5.49E-36
PEF	CTSK	rs149548009	A	G	-0.333	0.042	0.015	4.64E-15	-0.020	0.012	0.106	0.002	61.406	TRUE	2.10E-12
PEF	CTSK	rs150075516	A	G	0.294	0.043	0.014	9.68E-12	0.005	0.010	0.621	0.001	46.389	TRUE	1.85E-10
PEF	CTSK	rs185630857	A	C	-0.373	0.030	0.023	7.86E-35	-0.011	0.008	0.142	0.005	151.561	TRUE	7.50E-30

PEF	CTSK	rs185775380	G	A	0.596	0.044	0.015	1.14E-42	-0.001	0.014	0.957	0.006	187.448	TRUE	4.55E-39
PEF	CTSK	rs189804661	C	A	0.624	0.081	0.031	1.75E-14	0.010	0.016	0.544	0.002	58.789	TRUE	8.14E-13
PEF	CTSK	rs192357982	A	G	-0.280	0.036	0.019	3.59E-15	-0.017	0.012	0.158	0.002	61.908	TRUE	1.09E-12
PEF	CTSK	rs267733	G	A	-0.230	0.011	0.146	6.28E-93	-0.009	0.003	0.010	0.013	418.087	TRUE	1.20E-78
PEF	CTSK	rs28496715	C	A	-0.131	0.018	0.083	9.85E-13	-0.002	0.005	0.722	0.002	50.870	TRUE	1.80E-11
PEF	CTSK	rs34616916	A	G	-0.239	0.010	0.203	1.45E-130	0.001	0.003	0.785	0.018	591.057	TRUE	2.87E-118
PEF	CTSK	rs34834099	T	C	-0.212	0.018	0.058	9.47E-32	-0.007	0.005	0.178	0.004	137.471	TRUE	2.74E-27
PEF	CTSK	rs3811414	G	A	0.087	0.011	0.163	8.23E-16	0.001	0.003	0.755	0.002	64.812	TRUE	2.78E-14
PEF	CTSK	rs41265172	T	C	-0.157	0.023	0.038	6.17E-12	0.008	0.006	0.181	0.001	47.271	TRUE	5.95E-10
PEF	CTSK	rs41266605	G	A	0.290	0.024	0.033	2.51E-32	0.008	0.007	0.279	0.004	140.106	TRUE	3.61E-28
PEF	CTSK	rs41285000	T	C	-0.150	0.024	0.034	8.15E-10	-0.007	0.006	0.276	0.001	37.722	TRUE	2.71E-08
PEF	CTSK	rs4246525	C	T	0.168	0.008	0.351	4.46E-90	0.000	0.003	0.933	0.013	404.991	TRUE	3.88E-82
PEF	CTSK	rs4971009	T	C	0.247	0.018	0.052	5.64E-43	0.002	0.007	0.798	0.006	188.847	TRUE	5.20E-39
PEF	CTSK	rs532941	A	C	0.181	0.020	0.051	7.85E-20	-0.003	0.006	0.627	0.003	83.082	TRUE	9.51E-18
PEF	CTSK	rs55908171	A	G	-0.158	0.014	0.111	2.37E-31	-0.001	0.004	0.725	0.004	135.649	TRUE	2.62E-28
PEF	CTSK	rs56299877	T	C	-0.203	0.010	0.216	1.52E-99	0.000	0.003	0.935	0.014	448.488	TRUE	9.62E-91
PEF	CTSK	rs61818031	C	G	-0.118	0.009	0.282	3.11E-40	0.003	0.003	0.207	0.006	176.295	TRUE	6.21E-35
PEF	CTSK	rs61819220	G	A	-0.239	0.033	0.019	3.63E-13	-0.010	0.009	0.266	0.002	52.829	TRUE	3.33E-11
PEF	CTSK	rs61819522	T	C	-0.207	0.034	0.021	1.25E-09	-0.003	0.010	0.744	0.001	36.881	TRUE	1.08E-08
PEF	CTSK	rs6663477	G	A	0.510	0.036	0.019	4.17E-45	0.001	0.009	0.956	0.006	198.612	TRUE	2.81E-41
PEF	CTSK	rs6665912	C	T	-0.372	0.010	0.213	0.00E+00	-0.004	0.003	0.157	0.046	1524.426	TRUE	3.46E-294
PEF	CTSK	rs6688113	A	G	0.539	0.034	0.018	2.14E-57	0.021	0.008	0.011	0.008	254.954	TRUE	8.32E-48
PEF	CTSK	rs72692830	T	C	0.190	0.028	0.035	1.57E-11	0.008	0.006	0.183	0.001	45.441	TRUE	1.33E-09
PEF	CTSK	rs72694955	A	C	-0.261	0.017	0.070	6.68E-54	0.005	0.005	0.310	0.007	238.930	TRUE	1.51E-47
PEF	CTSK	rs72704700	A	C	-0.530	0.028	0.026	1.89E-79	0.003	0.007	0.706	0.011	356.175	TRUE	8.55E-72
PEF	CTSK	rs74949844	A	G	-0.410	0.023	0.040	3.14E-73	-0.020	0.006	0.002	0.010	327.618	TRUE	2.39E-60
PEF	CTSK	rs75215871	A	C	0.254	0.043	0.017	3.75E-09	0.011	0.011	0.297	0.001	34.746	TRUE	9.33E-08
PEF	CTSK	rs7550600	T	C	0.084	0.009	0.278	3.18E-21	0.018	0.003	1.68E-10	0.003	89.425	TRUE	6.85E-13
PEF	CTSK	rs76104463	A	G	-0.263	0.038	0.017	7.44E-12	-0.009	0.010	0.368	0.001	46.906	TRUE	3.18E-10
PEF	CTSK	rs771205	T	C	0.226	0.026	0.027	1.04E-18	0.010	0.010	0.349	0.002	77.978	TRUE	2.90E-16
PEF	CTSK	rs77893380	T	G	-0.274	0.032	0.020	2.20E-17	0.008	0.009	0.361	0.002	71.953	TRUE	4.20E-15
PEF	CTSW	rs10750766	C	A	0.189	0.009	0.297	2.05E-106	-0.003	0.003	0.367	0.015	480.051	TRUE	8.38E-95
PEF	CTSW	rs10896024	G	A	0.085	0.008	0.496	1.55E-26	0.000	0.003	0.973	0.004	113.645	TRUE	2.31E-24
PEF	CTSW	rs11227242	T	C	-0.393	0.029	0.026	3.90E-42	-0.004	0.008	0.617	0.006	185.003	TRUE	7.59E-38
PEF	CTSW	rs11227278	T	C	0.170	0.021	0.040	4.29E-16	-0.012	0.006	0.044	0.002	66.093	TRUE	6.11E-13
PEF	CTSW	rs11227303	A	G	-0.388	0.010	0.174	0.00E+00	0.005	0.003	0.136	0.043	1430.041	TRUE	7.13E-276
PEF	CTSW	rs11227309	C	A	0.379	0.008	0.508	0.00E+00	-0.006	0.003	0.011	0.072	2449.440	TRUE	0.00E+00
PEF	CTSW	rs11227408	G	A	0.198	0.020	0.053	4.55E-24	0.002	0.005	0.714	0.003	102.388	TRUE	1.04E-21
PEF	CTSW	rs112865376	T	C	0.228	0.033	0.019	3.48E-12	-0.008	0.009	0.369	0.002	48.394	TRUE	1.60E-10
PEF	CTSW	rs1151488	C	T	-0.067	0.009	0.275	6.54E-14	0.003	0.003	0.293	0.002	56.199	TRUE	6.84E-12
PEF	CTSW	rs11601539	C	A	0.171	0.021	0.045	6.59E-16	-0.008	0.005	0.100	0.002	65.247	TRUE	4.16E-13
PEF	CTSW	rs11603609	T	G	0.259	0.041	0.018	2.61E-10	0.006	0.012	0.626	0.001	39.947	TRUE	3.50E-09

PEF	CTSW	rs11607341	C	T	0.135	0.018	0.062	1.11E-14	0.000	0.005	0.952	0.002	59.691	TRUE	1.65E-13
PEF	CTSW	rs117058553	G	A	-0.419	0.057	0.014	2.09E-13	0.015	0.009	0.111	0.002	53.919	TRUE	5.19E-11
PEF	CTSW	rs117231452	A	G	0.226	0.017	0.065	2.49E-42	-0.002	0.007	0.743	0.006	185.896	TRUE	2.60E-38
PEF	CTSW	rs117542775	T	C	-0.466	0.025	0.030	3.33E-76	0.001	0.007	0.913	0.011	341.275	TRUE	1.77E-69
PEF	CTSW	rs118088990	A	G	0.203	0.016	0.072	3.60E-35	0.003	0.005	0.600	0.005	153.112	TRUE	1.57E-31
PEF	CTSW	rs118111537	A	G	-0.668	0.028	0.026	4.46E-128	-0.001	0.008	0.950	0.018	579.617	TRUE	1.39E-116
PEF	CTSW	rs12362669	G	C	-0.120	0.009	0.273	3.52E-41	-0.004	0.003	0.184	0.006	180.621	TRUE	1.09E-35
PEF	CTSW	rs12420097	C	T	-0.398	0.037	0.029	9.24E-27	0.001	0.008	0.894	0.004	114.675	TRUE	1.90E-24
PEF	CTSW	rs1300706	A	G	0.122	0.016	0.064	7.04E-14	-0.002	0.005	0.730	0.002	56.054	TRUE	1.66E-12
PEF	CTSW	rs138241338	C	T	0.225	0.037	0.017	7.60E-10	0.006	0.009	0.509	0.001	37.857	TRUE	1.22E-08
PEF	CTSW	rs139060080	A	G	-0.573	0.022	0.036	8.65E-151	0.004	0.006	0.534	0.021	684.039	TRUE	2.27E-135
PEF	CTSW	rs141399103	C	T	0.240	0.037	0.015	8.90E-11	-0.016	0.010	0.095	0.001	42.047	TRUE	1.06E-08
PEF	CTSW	rs145341779	T	C	0.197	0.022	0.041	1.22E-19	-0.013	0.007	0.045	0.003	82.213	TRUE	5.77E-16
PEF	CTSW	rs146161054	T	C	0.280	0.025	0.027	2.98E-29	0.016	0.009	0.089	0.004	126.052	TRUE	1.23E-24
PEF	CTSW	rs149072967	G	A	-0.240	0.024	0.038	2.60E-24	-0.010	0.007	0.167	0.003	103.500	TRUE	1.02E-20
PEF	CTSW	rs150091990	A	G	0.361	0.031	0.020	7.28E-32	0.014	0.008	0.082	0.004	137.993	TRUE	7.53E-27
PEF	CTSW	rs1621277	T	C	-0.165	0.009	0.303	3.69E-82	-0.002	0.003	0.529	0.012	368.625	TRUE	1.13E-73
PEF	CTSW	rs17199860	T	C	0.138	0.024	0.033	1.34E-08	0.006	0.007	0.365	0.001	32.269	TRUE	2.31E-07
PEF	CTSW	rs17304039	G	A	-0.087	0.011	0.148	8.13E-15	0.003	0.004	0.474	0.002	60.300	TRUE	5.11E-13
PEF	CTSW	rs2271448	T	C	-0.107	0.008	0.325	7.09E-37	-0.001	0.003	0.759	0.005	160.919	TRUE	2.00E-33
PEF	CTSW	rs2282529	A	G	0.047	0.008	0.390	8.19E-09	0.000	0.003	0.993	0.001	33.226	TRUE	3.48E-08
PEF	CTSW	rs34924158	A	G	0.240	0.021	0.041	5.84E-30	-0.011	0.006	0.042	0.004	129.287	TRUE	8.29E-25
PEF	CTSW	rs4645923	T	C	-0.723	0.065	0.012	2.30E-28	0.024	0.013	0.059	0.004	122.002	TRUE	1.29E-23
PEF	CTSW	rs479018	A	G	0.185	0.009	0.312	1.91E-102	0.000	0.003	0.930	0.014	461.809	TRUE	2.37E-93
PEF	CTSW	rs4930692	A	G	0.089	0.016	0.078	1.01E-08	-0.006	0.005	0.205	0.001	32.826	TRUE	3.03E-07
PEF	CTSW	rs506028	G	A	0.078	0.013	0.099	6.86E-09	-0.007	0.005	0.106	0.001	33.573	TRUE	3.89E-07
PEF	CTSW	rs56205242	A	G	0.107	0.014	0.105	8.59E-15	0.001	0.004	0.833	0.002	60.192	TRUE	1.84E-13
PEF	CTSW	rs566673	G	T	0.045	0.008	0.449	1.76E-08	-0.011	0.003	2.13E-05	0.001	31.742	TRUE	3.49E-05
PEF	CTSW	rs582580	G	A	0.065	0.008	0.446	5.07E-16	-0.003	0.003	0.208	0.002	65.765	TRUE	1.50E-13
PEF	CTSW	rs610293	T	C	-0.110	0.009	0.303	8.03E-37	-0.006	0.003	0.035	0.005	160.670	TRUE	1.19E-30
PEF	CTSW	rs633727	G	A	0.082	0.009	0.469	9.08E-20	0.000	0.003	0.943	0.003	82.794	TRUE	3.92E-18
PEF	CTSW	rs7112951	A	G	-0.862	0.039	0.024	2.56E-108	0.009	0.008	0.257	0.015	488.805	TRUE	6.65E-96
PEF	CTSW	rs7124215	G	T	0.096	0.011	0.160	1.16E-18	-0.002	0.003	0.654	0.002	77.756	TRUE	1.01E-16
PEF	CTSW	rs71457711	A	C	0.164	0.021	0.048	1.49E-15	-0.003	0.005	0.619	0.002	63.644	TRUE	6.87E-14
PEF	CTSW	rs72924707	C	T	0.290	0.026	0.026	1.26E-29	0.013	0.008	0.113	0.004	127.759	TRUE	4.19E-25
PEF	CTSW	rs7395667	G	A	0.070	0.008	0.388	2.12E-17	0.008	0.003	0.002	0.002	72.025	TRUE	4.55E-13
PEF	CTSW	rs75224789	A	G	-0.245	0.030	0.023	2.85E-16	0.010	0.007	0.148	0.002	66.902	TRUE	1.29E-13
PEF	CTSW	rs75956291	T	C	0.235	0.023	0.032	7.38E-25	0.000	0.006	0.969	0.003	105.993	TRUE	7.70E-23
PEF	CTSW	rs76290143	T	C	-0.423	0.027	0.028	1.10E-55	-0.002	0.006	0.758	0.008	247.103	TRUE	1.96E-50
PEF	CTSW	rs76584642	G	T	0.254	0.015	0.086	4.80E-65	-0.007	0.004	0.098	0.009	290.050	TRUE	3.83E-56
PEF	CTSW	rs77291001	G	A	-0.826	0.026	0.025	1.47E-214	0.003	0.009	0.707	0.030	977.330	TRUE	2.58E-193
PEF	CTSW	rs77503508	C	T	-0.845	0.025	0.031	1.91E-255	0.016	0.008	0.033	0.035	1165.432	TRUE	9.53E-223

PEF	CTSW	rs77920938	C	T	0.251	0.030	0.020	6.62E-17	-0.008	0.009	0.403	0.002	69.778	TRUE	9.34E-15
PEF	CTSW	rs7932285	G	A	-1.156	0.028	0.022	0.00E+00	0.006	0.007	0.434	0.049	1646.228	TRUE	0.00E+00
PEF	CTSW	rs7950463	C	A	-0.121	0.015	0.077	5.37E-16	0.006	0.005	0.166	0.002	65.651	TRUE	1.91E-13
PEF	CTSW	rs79790477	G	A	-0.315	0.034	0.017	1.37E-20	0.024	0.012	0.039	0.003	86.537	TRUE	1.05E-16
PEF	CX3CR1	rs114325248	C	T	0.169	0.031	0.021	3.96E-08	0.013	0.009	0.134	0.001	30.167	TRUE	1.44E-06
PEF	CX3CR1	rs114549077	G	A	0.130	0.020	0.046	1.26E-10	0.001	0.006	0.905	0.001	41.363	TRUE	9.40E-10
PEF	CX3CR1	rs116009663	T	G	0.168	0.028	0.025	3.16E-09	-0.009	0.007	0.217	0.001	35.082	TRUE	1.10E-07
PEF	CX3CR1	rs11925155	C	T	-0.140	0.017	0.060	1.39E-16	0.004	0.006	0.437	0.002	68.322	TRUE	1.58E-14
PEF	CX3CR1	rs12636980	G	A	0.076	0.009	0.256	1.22E-16	-0.010	0.003	6.71E-04	0.002	68.571	TRUE	4.14E-12
PEF	CX3CR1	rs13077681	G	T	-0.187	0.027	0.026	1.85E-12	0.003	0.009	0.738	0.002	49.632	TRUE	3.10E-11
PEF	CX3CR1	rs13079368	C	T	-0.059	0.008	0.517	2.38E-13	0.004	0.003	0.081	0.002	53.658	TRUE	8.13E-11
PEF	CX3CR1	rs13095260	T	C	0.133	0.009	0.239	1.88E-45	-0.005	0.003	0.120	0.006	200.199	TRUE	4.44E-39
PEF	CX3CR1	rs1344220	C	T	-0.132	0.008	0.448	2.48E-60	0.003	0.003	0.233	0.008	268.425	TRUE	5.35E-53
PEF	CX3CR1	rs145870212	C	T	0.305	0.036	0.017	1.70E-17	-0.010	0.010	0.319	0.002	72.463	TRUE	4.04E-15
PEF	CX3CR1	rs151208988	T	C	-0.279	0.047	0.014	3.91E-09	0.034	0.019	0.068	0.001	34.664	TRUE	3.29E-07
PEF	CX3CR1	rs2649759	T	C	0.073	0.008	0.407	8.02E-19	-0.007	0.003	0.005	0.002	78.491	TRUE	2.16E-14
PEF	CX3CR1	rs35111246	C	T	-0.159	0.027	0.026	3.36E-09	-0.001	0.009	0.896	0.001	34.963	TRUE	1.92E-08
PEF	CX3CR1	rs3732379	T	C	-0.053	0.009	0.261	9.98E-09	0.004	0.003	0.115	0.001	32.842	TRUE	4.95E-07
PEF	CX3CR1	rs4386433	G	A	0.119	0.018	0.055	6.60E-11	-0.007	0.005	0.179	0.001	42.631	TRUE	4.66E-09
PEF	CX3CR1	rs562545	A	G	-0.048	0.008	0.393	6.56E-09	-0.003	0.003	0.258	0.001	33.659	TRUE	1.70E-07
PEF	CX3CR1	rs7432727	T	C	0.074	0.008	0.425	7.24E-20	-0.003	0.003	0.315	0.003	83.242	TRUE	3.23E-17
PEF	CX3CR1	rs75486731	A	G	-0.142	0.025	0.029	1.29E-08	0.011	0.007	0.129	0.001	32.342	TRUE	5.65E-07
PEF	CX3CR1	rs75562077	G	A	-0.186	0.030	0.021	3.89E-10	-0.001	0.010	0.941	0.001	39.165	TRUE	2.40E-09
PEF	CX3CR1	rs76184860	C	T	-0.130	0.024	0.030	3.49E-08	-0.001	0.009	0.888	0.001	30.413	TRUE	1.63E-07
PEF	CX3CR1	rs7651994	A	G	0.318	0.015	0.073	4.32E-94	-0.011	0.005	0.013	0.013	423.426	TRUE	7.56E-80
PEF	CX3CR1	rs77498900	G	A	-0.205	0.028	0.022	1.16E-13	0.009	0.010	0.364	0.002	55.077	TRUE	8.03E-12
PEF	CX3CR1	rs79659083	A	C	0.321	0.016	0.064	5.47E-85	-0.005	0.005	0.353	0.012	381.615	TRUE	1.53E-75
PEF	CX3CR1	rs938200	A	C	-0.064	0.008	0.383	1.21E-14	0.001	0.003	0.578	0.002	59.521	TRUE	5.01E-13
PEF	CX3CR1	rs9823718	G	C	-0.201	0.014	0.085	2.81E-44	0.002	0.005	0.636	0.006	194.813	TRUE	8.14E-40
PEF	CXCR7	rs10193029	C	T	-0.237	0.028	0.027	6.90E-17	-0.008	0.010	0.447	0.002	69.698	TRUE	8.01E-15
PEF	CXCR7	rs13409594	G	A	-0.313	0.018	0.064	1.27E-69	0.010	0.005	0.043	0.010	311.060	TRUE	1.56E-59
PEF	CXCR7	rs2317643	C	T	-0.125	0.017	0.073	2.00E-13	-0.005	0.005	0.264	0.002	54.004	TRUE	1.93E-11
PEF	CXCR7	rs2317644	G	T	-0.082	0.012	0.344	3.93E-12	0.007	0.003	0.009	0.002	48.155	TRUE	4.01E-09
PEF	CXCR7	rs2573711	A	G	0.074	0.009	0.381	1.33E-16	-0.007	0.003	0.006	0.002	68.398	TRUE	1.02E-12
PEF	CXCR7	rs59150836	T	G	-0.080	0.011	0.219	2.91E-14	0.004	0.003	0.152	0.002	57.793	TRUE	6.99E-12
PEF	CXCR7	rs72990513	T	C	-0.152	0.026	0.036	3.78E-09	0.008	0.006	0.224	0.001	34.732	TRUE	1.25E-07
PEF	CXCR7	rs73136949	T	C	0.095	0.015	0.097	9.02E-11	0.004	0.004	0.411	0.001	42.021	TRUE	2.42E-09
PEF	CXCR7	rs76198880	T	C	-0.641	0.045	0.016	1.01E-45	0.008	0.008	0.304	0.006	201.434	TRUE	3.39E-40
PEF	DDIT4	rs12778560	G	T	-0.077	0.009	0.360	7.60E-19	0.011	0.003	6.27E-05	0.002	78.597	TRUE	2.66E-13
PEF	DDIT4	rs3829180	C	T	-0.149	0.025	0.025	4.49E-09	0.032	0.008	9.42E-05	0.001	34.398	TRUE	7.69E-06
PEF	DDX5	rs117024269	T	C	-0.356	0.046	0.029	1.81E-14	0.002	0.007	0.741	0.002	58.724	TRUE	4.65E-13
PEF	DDX5	rs117839365	T	C	0.190	0.021	0.086	4.06E-19	-0.018	0.005	4.52E-05	0.003	79.833	TRUE	1.73E-13

PEF	DDX5	rs11870905	C	A	0.247	0.042	0.037	5.05E-09	0.003	0.008	0.675	0.001	34.169	TRUE	4.48E-08
PEF	DDX5	rs12945965	A	G	0.224	0.028	0.109	4.69E-16	-0.004	0.004	0.294	0.002	65.917	TRUE	8.05E-14
PEF	DDX5	rs147964477	A	G	-0.387	0.070	0.017	2.98E-08	0.006	0.009	0.501	0.001	30.716	TRUE	3.24E-07
PEF	DDX5	rs17650301	C	A	-0.561	0.012	0.304	0.00E+00	0.011	0.003	1.45E-04	0.063	2136.300	TRUE	0.00E+00
PEF	DDX5	rs17651039	G	A	-0.443	0.055	0.014	5.68E-16	0.005	0.011	0.664	0.002	65.541	TRUE	2.54E-14
PEF	DDX5	rs28658574	C	T	-0.082	0.014	0.221	9.54E-09	-0.001	0.003	0.699	0.001	32.932	TRUE	7.65E-08
PEF	DDX5	rs41548920	G	A	-0.459	0.048	0.022	4.43E-22	0.024	0.009	0.007	0.003	93.321	TRUE	2.67E-17
PEF	DDX5	rs62071607	G	A	-0.183	0.026	0.054	2.45E-12	0.007	0.005	0.203	0.002	49.086	TRUE	2.34E-10
PEF	DDX5	rs72844239	C	A	0.211	0.033	0.068	2.26E-10	-0.009	0.005	0.088	0.001	40.228	TRUE	2.41E-08
PEF	DDX5	rs76237288	G	A	-0.414	0.034	0.044	6.60E-35	0.005	0.008	0.576	0.005	151.911	TRUE	3.14E-31
PEF	DDX5	rs77672322	T	C	-0.498	0.059	0.018	4.15E-17	0.011	0.008	0.159	0.002	70.700	TRUE	2.23E-14
PEF	DDX5	rs8073966	T	C	-0.405	0.026	0.053	1.34E-53	0.009	0.006	0.131	0.007	237.546	TRUE	2.28E-46
PEF	DEDD2	rs8108096	C	T	0.093	0.014	0.096	8.24E-11	-0.010	0.004	0.021	0.001	42.198	TRUE	2.92E-08
PEF	DEPTOR	rs10283100	A	G	0.140	0.019	0.058	3.21E-13	-0.016	0.006	0.003	0.002	53.073	TRUE	9.90E-10
PEF	DEPTOR	rs117257206	A	G	-0.091	0.015	0.091	2.07E-09	-0.002	0.005	0.710	0.001	35.904	TRUE	1.86E-08
PEF	DEPTOR	rs1467044	G	A	-0.202	0.009	0.489	3.95E-122	-0.006	0.003	0.019	0.017	552.283	TRUE	8.21E-105
PEF	DEPTOR	rs147626496	A	G	0.236	0.040	0.020	3.31E-09	-0.014	0.016	0.393	0.001	34.990	TRUE	6.24E-08
PEF	DEPTOR	rs2063284	G	A	-0.136	0.010	0.232	3.10E-40	-0.009	0.003	0.005	0.006	176.300	TRUE	1.61E-32
PEF	DEPTOR	rs28570063	A	G	-0.146	0.025	0.032	5.93E-09	0.002	0.008	0.793	0.001	33.854	TRUE	3.99E-08
PEF	DEPTOR	rs57411572	C	T	-0.141	0.016	0.078	2.87E-18	-0.011	0.005	0.025	0.002	75.970	TRUE	1.45E-14
PEF	DEPTOR	rs62526560	G	A	0.162	0.018	0.082	9.17E-20	-0.005	0.005	0.291	0.003	82.775	TRUE	4.69E-17
PEF	DEPTOR	rs62528695	T	C	-0.218	0.033	0.019	5.25E-11	-0.010	0.010	0.318	0.001	43.078	TRUE	2.10E-09
PEF	DEPTOR	rs7017581	G	A	-0.068	0.009	0.488	4.82E-15	0.001	0.003	0.734	0.002	61.327	TRUE	1.49E-13
PEF	DEPTOR	rs74759746	A	G	0.105	0.019	0.065	4.99E-08	-0.003	0.005	0.578	0.001	29.718	TRUE	4.34E-07
PEF	DEPTOR	rs78898975	C	T	-0.233	0.040	0.015	4.72E-09	0.001	0.010	0.930	0.001	34.298	TRUE	2.41E-08
PEF	DIDO1	rs111387524	A	G	0.128	0.021	0.082	1.47E-09	0.009	0.005	0.056	0.001	36.576	TRUE	1.68E-07
PEF	DIDO1	rs12479676	G	A	-0.126	0.017	0.118	3.56E-14	-0.001	0.004	0.792	0.002	57.395	TRUE	7.50E-13
PEF	DIDO1	rs13040088	G	A	-0.276	0.010	0.213	3.47E-153	-0.006	0.003	0.037	0.021	695.056	TRUE	5.34E-133
PEF	DIDO1	rs140344223	A	G	-0.208	0.030	0.027	9.19E-12	-0.003	0.008	0.732	0.001	46.490	TRUE	1.31E-10
PEF	DIDO1	rs150395532	T	C	-0.298	0.045	0.017	2.76E-11	-0.031	0.009	5.46E-04	0.001	44.337	TRUE	7.77E-08
PEF	DIDO1	rs2427484	G	A	-0.085	0.012	0.351	8.27E-13	-0.002	0.003	0.410	0.002	51.213	TRUE	3.77E-11
PEF	DIDO1	rs35575634	T	C	-0.174	0.023	0.048	1.85E-14	-0.002	0.005	0.716	0.002	58.678	TRUE	5.14E-13
PEF	DIDO1	rs3746751	C	T	-0.086	0.010	0.287	2.95E-16	-0.001	0.003	0.662	0.002	66.830	TRUE	1.45E-14
PEF	DIDO1	rs41304830	A	G	0.258	0.045	0.021	1.34E-08	-0.012	0.008	0.151	0.001	32.265	TRUE	5.21E-07
PEF	DIDO1	rs4809446	A	G	-0.137	0.024	0.056	2.17E-08	-0.007	0.005	0.197	0.001	31.336	TRUE	6.21E-07
PEF	DIDO1	rs6011431	G	A	-0.086	0.011	0.466	6.17E-16	0.000	0.003	0.863	0.002	65.379	TRUE	1.46E-14
PEF	DIDO1	rs71325414	G	A	0.160	0.021	0.072	1.26E-14	0.008	0.004	0.057	0.002	59.440	TRUE	8.93E-12
PEF	DIDO1	rs73157316	T	C	-0.279	0.038	0.038	2.04E-13	0.003	0.006	0.553	0.002	53.963	TRUE	6.96E-12
PEF	DIDO1	rs73619441	G	T	0.073	0.013	0.155	8.71E-09	-0.001	0.004	0.779	0.001	33.109	TRUE	5.78E-08
PEF	DIDO1	rs8114983	G	T	-0.058	0.011	0.440	4.54E-08	-0.001	0.003	0.693	0.001	29.904	TRUE	3.11E-07
PEF	DIDO1	rs8122196	A	G	-0.158	0.015	0.112	9.77E-26	0.002	0.004	0.672	0.003	110.001	TRUE	3.78E-23
PEF	DSTN	rs117251495	C	T	-0.133	0.023	0.034	4.17E-09	-0.011	0.006	0.103	0.001	34.542	TRUE	2.63E-07

PEF	DSTN	rs117554793	T	G	0.306	0.041	0.015	4.64E-14	-0.019	0.013	0.127	0.002	56.875	TRUE	1.28E-11
PEF	DSTN	rs118169519	C	T	-0.130	0.022	0.038	5.64E-09	0.003	0.008	0.696	0.001	33.954	TRUE	4.67E-08
PEF	DSTN	rs11907325	G	A	-0.362	0.023	0.034	6.54E-55	-0.001	0.008	0.870	0.008	243.557	TRUE	5.38E-50
PEF	DSTN	rs13044391	A	G	0.353	0.020	0.042	1.86E-67	-0.005	0.006	0.352	0.009	301.123	TRUE	8.16E-60
PEF	DSTN	rs139487395	A	C	-0.339	0.029	0.020	2.56E-32	-0.003	0.009	0.744	0.004	140.073	TRUE	3.11E-29
PEF	DSTN	rs140801241	G	A	0.290	0.029	0.022	1.59E-23	-0.007	0.010	0.477	0.003	99.914	TRUE	8.36E-21
PEF	DSTN	rs16999404	A	G	-0.169	0.027	0.024	2.89E-10	-0.005	0.008	0.572	0.001	39.748	TRUE	4.43E-09
PEF	DSTN	rs17791728	C	T	-0.259	0.024	0.030	6.82E-27	-0.001	0.007	0.921	0.004	115.275	TRUE	1.32E-24
PEF	DSTN	rs1998107	A	G	-0.077	0.008	0.472	1.79E-22	0.004	0.003	0.119	0.003	95.111	TRUE	6.89E-19
PEF	DSTN	rs2072960	A	G	0.081	0.008	0.418	1.96E-23	0.001	0.003	0.820	0.003	99.494	TRUE	2.69E-21
PEF	DSTN	rs2618617	A	G	0.084	0.009	0.283	1.92E-21	0.003	0.003	0.325	0.003	90.419	TRUE	1.30E-18
PEF	DSTN	rs4813276	T	C	-0.172	0.010	0.198	1.18E-66	0.006	0.003	0.063	0.009	297.433	TRUE	3.01E-57
PEF	DSTN	rs4814655	G	A	-0.107	0.008	0.438	7.15E-41	0.002	0.003	0.450	0.006	179.218	TRUE	2.73E-36
PEF	DSTN	rs528446	G	A	0.057	0.009	0.242	1.24E-09	0.003	0.003	0.321	0.001	36.906	TRUE	3.15E-08
PEF	DSTN	rs56246240	T	C	-0.178	0.019	0.052	4.14E-21	-0.006	0.005	0.210	0.003	88.900	TRUE	5.03E-18
PEF	DSTN	rs56331184	T	C	0.345	0.028	0.023	3.13E-35	0.009	0.008	0.211	0.005	153.393	TRUE	1.59E-30
PEF	DSTN	rs57723641	T	G	-0.070	0.012	0.132	1.81E-09	0.002	0.004	0.576	0.001	36.163	TRUE	2.23E-08
PEF	DSTN	rs58209867	A	G	0.100	0.012	0.116	9.31E-16	-0.004	0.004	0.376	0.002	64.568	TRUE	1.11E-13
PEF	DSTN	rs58825319	T	C	-0.072	0.012	0.122	5.64E-09	0.001	0.004	0.837	0.001	33.952	TRUE	3.47E-08
PEF	DSTN	rs6034868	C	T	-0.110	0.010	0.193	2.71E-27	0.006	0.003	0.081	0.004	117.104	TRUE	7.36E-23
PEF	DSTN	rs6034914	G	A	0.073	0.012	0.131	7.46E-10	-0.003	0.004	0.382	0.001	37.894	TRUE	1.78E-08
PEF	DSTN	rs6044757	G	A	-0.061	0.009	0.250	3.83E-11	-0.001	0.003	0.842	0.001	43.695	TRUE	3.79E-10
PEF	DSTN	rs6044930	T	C	0.065	0.008	0.495	4.56E-16	-0.004	0.003	0.103	0.002	65.976	TRUE	3.07E-13
PEF	DSTN	rs6044967	G	A	-0.155	0.009	0.311	3.18E-71	0.002	0.003	0.431	0.010	318.411	TRUE	1.77E-63
PEF	DSTN	rs6075218	G	T	0.185	0.008	0.335	2.96E-107	0.004	0.003	0.104	0.015	483.917	TRUE	1.23E-93
PEF	DSTN	rs6080628	A	T	0.080	0.012	0.138	3.74E-12	0.010	0.004	0.007	0.002	48.255	TRUE	4.55E-09
PEF	DSTN	rs6080748	T	C	0.333	0.041	0.016	2.31E-16	-0.005	0.011	0.633	0.002	67.311	TRUE	1.26E-14
PEF	DSTN	rs6080757	G	A	0.347	0.008	0.364	0.00E+00	-0.004	0.003	0.136	0.056	1863.799	TRUE	0.00E+00
PEF	DSTN	rs6080784	A	G	-0.167	0.009	0.297	2.35E-82	0.002	0.003	0.409	0.012	369.522	TRUE	2.08E-73
PEF	DSTN	rs6080868	A	T	-0.103	0.009	0.305	1.11E-30	-0.001	0.003	0.822	0.004	132.576	TRUE	6.84E-28
PEF	DSTN	rs6111375	T	C	-0.065	0.010	0.198	7.76E-11	0.000	0.003	0.896	0.001	42.315	TRUE	6.14E-10
PEF	DSTN	rs6131942	A	G	0.052	0.008	0.390	2.18E-10	-0.003	0.003	0.309	0.001	40.297	TRUE	7.29E-09
PEF	DSTN	rs6131996	G	A	-0.158	0.012	0.120	6.52E-38	-0.002	0.004	0.665	0.005	165.664	TRUE	4.13E-34
PEF	DSTN	rs6136041	G	A	0.078	0.008	0.514	9.07E-23	0.001	0.003	0.641	0.003	96.462	TRUE	2.13E-20
PEF	DSTN	rs6136131	T	C	-0.095	0.008	0.403	2.19E-31	-0.003	0.003	0.196	0.004	135.807	TRUE	4.42E-27
PEF	DSTN	rs62201032	A	G	0.172	0.025	0.029	3.49E-12	0.011	0.007	0.138	0.002	48.388	TRUE	4.76E-10
PEF	DSTN	rs73092284	A	G	-0.213	0.010	0.203	3.88E-102	0.002	0.003	0.569	0.014	460.399	TRUE	8.12E-92
PEF	DSTN	rs73102249	T	C	0.108	0.013	0.105	3.84E-16	-0.002	0.004	0.634	0.002	66.314	TRUE	1.92E-14
PEF	DSTN	rs73102749	C	A	-0.137	0.017	0.057	3.22E-15	0.002	0.005	0.618	0.002	62.125	TRUE	1.44E-13
PEF	DSTN	rs75229517	T	C	0.227	0.016	0.067	2.66E-46	-0.004	0.005	0.393	0.006	204.090	TRUE	5.35E-41
PEF	DSTN	rs76320771	T	G	0.173	0.016	0.062	8.09E-26	-0.003	0.005	0.549	0.003	110.373	TRUE	5.36E-23
PEF	DSTN	rs77077118	G	T	0.260	0.026	0.028	2.82E-23	-0.008	0.007	0.228	0.003	98.778	TRUE	5.33E-20

PEF	DSTN	rs77814621	A	G	-0.127	0.016	0.070	1.86E-15	-0.004	0.005	0.439	0.002	63.201	TRUE	1.57E-13
PEF	DSTN	rs8119609	G	A	-0.162	0.029	0.022	2.77E-08	0.003	0.009	0.757	0.001	30.861	TRUE	1.74E-07
PEF	DSTN	rs852041	C	T	0.105	0.015	0.076	2.74E-12	0.007	0.005	0.138	0.002	48.863	TRUE	3.79E-10
PEF	EIF2AK4	rs10518679	C	T	-0.093	0.012	0.124	2.25E-14	0.005	0.004	0.192	0.002	58.299	TRUE	4.39E-12
PEF	EIF2AK4	rs11070245	G	T	-0.201	0.008	0.512	1.86E-144	0.007	0.003	0.008	0.020	654.919	TRUE	1.83E-123
PEF	EIF2AK4	rs113751932	G	A	0.213	0.031	0.019	6.22E-12	0.002	0.010	0.819	0.001	47.257	TRUE	7.45E-11
PEF	EIF2AK4	rs116847130	A	G	0.235	0.032	0.021	1.43E-13	-0.005	0.009	0.565	0.002	54.662	TRUE	5.01E-12
PEF	EIF2AK4	rs117210124	A	G	0.130	0.019	0.052	8.42E-12	0.000	0.006	0.970	0.001	46.662	TRUE	6.78E-11
PEF	EIF2AK4	rs140275393	C	T	0.125	0.020	0.043	6.62E-10	-0.009	0.006	0.158	0.001	38.128	TRUE	3.87E-08
PEF	EIF2AK4	rs143034895	T	C	-0.222	0.033	0.019	1.75E-11	-0.001	0.010	0.900	0.001	45.228	TRUE	1.58E-10
PEF	EIF2AK4	rs1906164	C	T	-0.049	0.008	0.509	7.17E-10	-0.002	0.003	0.474	0.001	37.970	TRUE	1.29E-08
PEF	EIF2AK4	rs2412453	T	G	-0.087	0.008	0.345	3.42E-25	0.003	0.003	0.238	0.003	107.518	TRUE	1.02E-21
PEF	EIF2AK4	rs3743129	C	A	-0.046	0.008	0.447	1.28E-08	0.003	0.003	0.205	0.001	32.358	TRUE	3.65E-07
PEF	EIF2AK4	rs508281	G	A	0.152	0.009	0.288	1.05E-67	-0.007	0.003	0.013	0.009	302.253	TRUE	7.15E-57
PEF	EIF2AK4	rs566792	T	C	-0.088	0.012	0.129	6.52E-13	0.009	0.004	0.014	0.002	51.681	TRUE	7.21E-10
PEF	EIF2AK4	rs75931581	C	T	0.217	0.021	0.039	7.26E-26	-0.008	0.007	0.284	0.003	110.588	TRUE	1.88E-22
PEF	EIF2AK4	rs76182620	C	T	-0.110	0.018	0.057	5.07E-10	0.002	0.006	0.694	0.001	38.646	TRUE	5.40E-09
PEF	EIF2AK4	rs78572955	A	G	0.145	0.023	0.032	6.01E-10	0.015	0.012	0.184	0.001	38.316	TRUE	3.03E-08
PEF	EIF2AK4	rs8027339	C	A	0.077	0.010	0.197	1.36E-14	0.000	0.003	0.942	0.002	59.292	TRUE	2.01E-13
PEF	EIF2AK4	rs812197	T	C	0.082	0.008	0.489	6.35E-25	0.000	0.003	0.902	0.003	106.289	TRUE	8.66E-23
PEF	EIF2AK4	rs937215	C	T	-0.083	0.015	0.081	1.51E-08	-0.012	0.004	0.007	0.001	32.040	TRUE	3.50E-06
PEF	EMC2	rs13273665	C	G	0.097	0.011	0.205	1.21E-18	-0.004	0.003	0.247	0.002	77.671	TRUE	5.28E-16
PEF	EMC2	rs3019381	G	A	-0.076	0.011	0.195	3.43E-11	0.012	0.003	9.18E-05	0.001	43.914	TRUE	2.10E-07
PEF	EMC2	rs71524796	T	C	-0.212	0.028	0.027	3.03E-14	-0.003	0.007	0.720	0.002	57.711	TRUE	7.86E-13
PEF	EMC2	rs957716	C	G	-0.143	0.009	0.384	2.26E-55	0.009	0.003	4.18E-04	0.008	245.670	TRUE	2.50E-44
PEF	ERCC4	rs3136038	T	C	0.051	0.008	0.324	1.76E-09	-0.008	0.003	0.005	0.001	36.224	TRUE	7.28E-07
PEF	EYA2	rs1572053	A	G	0.052	0.008	0.378	3.46E-10	-0.010	0.003	1.21E-04	0.001	39.396	TRUE	1.00E-06
PEF	FAM162A	rs138589007	T	G	0.080	0.013	0.103	7.56E-10	0.006	0.004	0.154	0.001	37.869	TRUE	4.23E-08
PEF	FAM162A	rs148435862	C	T	-0.075	0.013	0.134	2.00E-09	0.002	0.004	0.576	0.001	35.971	TRUE	2.44E-08
PEF	FAM162A	rs6438724	A	G	-0.106	0.008	0.418	2.77E-36	-0.005	0.003	0.037	0.005	158.212	TRUE	3.59E-30
PEF	FAM162A	rs6438736	A	G	-0.088	0.016	0.070	2.37E-08	-0.001	0.004	0.771	0.001	31.164	TRUE	1.47E-07
PEF	FBXW7	rs17028954	G	C	0.093	0.009	0.291	3.33E-26	-0.008	0.003	0.006	0.004	112.133	TRUE	1.05E-20
PEF	FBXW7	rs7694164	T	C	-0.224	0.028	0.023	1.53E-15	0.017	0.011	0.108	0.002	63.593	TRUE	8.03E-13
PEF	FEZ2	rs10181241	T	C	0.073	0.009	0.301	8.71E-17	0.006	0.003	0.035	0.002	69.238	TRUE	1.84E-13
PEF	FEZ2	rs10184223	T	G	0.526	0.008	0.337	0.00E+00	0.006	0.003	0.016	0.123	4460.090	TRUE	0.00E+00
PEF	FEZ2	rs111453351	A	T	-0.337	0.024	0.030	7.43E-45	-0.001	0.007	0.889	0.006	197.463	TRUE	6.74E-41
PEF	FEZ2	rs111513488	A	G	0.513	0.021	0.040	3.00E-131	0.002	0.007	0.799	0.018	594.199	TRUE	6.74E-119
PEF	FEZ2	rs111756466	A	G	0.219	0.036	0.015	2.03E-09	-0.016	0.010	0.101	0.001	35.945	TRUE	1.45E-07
PEF	FEZ2	rs114271576	C	T	0.199	0.026	0.026	3.95E-14	0.003	0.008	0.740	0.002	57.189	TRUE	9.27E-13
PEF	FEZ2	rs115498355	T	C	0.659	0.032	0.020	1.29E-95	0.018	0.008	0.026	0.013	430.427	TRUE	6.78E-82
PEF	FEZ2	rs116043120	A	C	-0.214	0.025	0.026	3.56E-17	0.008	0.007	0.282	0.002	71.000	TRUE	9.43E-15
PEF	FEZ2	rs11695647	T	C	0.099	0.014	0.086	3.93E-12	0.003	0.005	0.535	0.002	48.158	TRUE	1.07E-10

PEF	FEZ2	rs12329047	C	T	0.047	0.008	0.366	8.72E-09	0.001	0.003	0.838	0.001	33.106	TRUE	5.04E-08
PEF	FEZ2	rs12612163	C	T	-0.304	0.008	0.305	4.18E-282	0.001	0.003	0.619	0.039	1288.108	TRUE	5.25E-253
PEF	FEZ2	rs12623936	G	A	0.276	0.030	0.024	7.77E-20	0.001	0.012	0.945	0.003	83.103	TRUE	3.28E-18
PEF	FEZ2	rs12712516	C	T	-0.069	0.009	0.295	2.07E-15	0.000	0.003	0.915	0.002	62.995	TRUE	3.99E-14
PEF	FEZ2	rs13010689	T	C	-0.215	0.026	0.027	1.09E-16	0.003	0.008	0.714	0.002	68.803	TRUE	4.94E-15
PEF	FEZ2	rs13031586	G	T	0.166	0.008	0.385	1.72E-88	0.000	0.003	0.892	0.012	397.697	TRUE	1.66E-80
PEF	FEZ2	rs13429165	C	T	-0.075	0.012	0.118	1.37E-09	0.000	0.004	0.915	0.001	36.702	TRUE	8.07E-09
PEF	FEZ2	rs143621444	A	G	-0.286	0.043	0.015	2.12E-11	-0.006	0.012	0.627	0.001	44.850	TRUE	3.69E-10
PEF	FEZ2	rs143654575	T	C	-0.303	0.053	0.013	1.02E-08	0.005	0.013	0.707	0.001	32.797	TRUE	7.84E-08
PEF	FEZ2	rs146724366	T	C	0.230	0.030	0.020	3.57E-14	0.009	0.008	0.272	0.002	57.386	TRUE	4.16E-12
PEF	FEZ2	rs147769287	A	G	0.764	0.118	0.019	8.53E-11	0.022	0.021	0.303	0.001	42.130	TRUE	3.41E-09
PEF	FEZ2	rs148435407	G	A	-0.204	0.022	0.036	3.14E-21	-0.004	0.007	0.593	0.003	89.445	TRUE	6.13E-19
PEF	FEZ2	rs149252251	T	C	-0.179	0.032	0.018	3.44E-08	0.010	0.011	0.359	0.001	30.437	TRUE	5.35E-07
PEF	FEZ2	rs149594849	A	G	0.288	0.021	0.046	1.90E-42	0.000	0.006	0.948	0.006	186.436	TRUE	7.69E-39
PEF	FEZ2	rs151079666	C	A	0.385	0.060	0.041	1.03E-10	0.029	0.026	0.275	0.001	41.770	TRUE	4.51E-09
PEF	FEZ2	rs151158554	T	C	-0.313	0.038	0.018	1.33E-16	0.011	0.008	0.167	0.002	68.399	TRUE	6.02E-14
PEF	FEZ2	rs17490768	C	T	-0.097	0.008	0.417	1.45E-33	0.004	0.003	0.139	0.005	145.772	TRUE	1.18E-28
PEF	FEZ2	rs183665414	T	C	-0.422	0.033	0.019	4.60E-37	0.005	0.014	0.726	0.005	161.778	TRUE	1.71E-33
PEF	FEZ2	rs1861387	T	A	0.127	0.014	0.086	2.98E-19	0.004	0.005	0.441	0.003	80.448	TRUE	6.71E-17
PEF	FEZ2	rs187485016	C	T	0.183	0.030	0.020	8.90E-10	0.011	0.009	0.252	0.001	37.550	TRUE	3.14E-08
PEF	FEZ2	rs2075206	T	C	0.056	0.008	0.364	1.36E-11	-0.003	0.003	0.230	0.001	45.719	TRUE	9.79E-10
PEF	FEZ2	rs35302087	A	G	0.311	0.037	0.016	4.18E-17	-0.001	0.011	0.909	0.002	70.687	TRUE	1.15E-15
PEF	FEZ2	rs3770929	A	G	0.067	0.008	0.424	8.25E-17	0.001	0.003	0.830	0.002	69.345	TRUE	2.55E-15
PEF	FEZ2	rs3770938	T	C	0.114	0.008	0.405	3.48E-45	-0.002	0.003	0.451	0.006	198.974	TRUE	3.28E-40
PEF	FEZ2	rs3770962	C	A	0.141	0.012	0.122	2.08E-31	0.001	0.004	0.807	0.004	135.906	TRUE	1.56E-28
PEF	FEZ2	rs4670144	G	A	-0.094	0.009	0.273	4.30E-26	0.001	0.003	0.851	0.004	111.625	TRUE	8.85E-24
PEF	FEZ2	rs56154062	T	C	-0.155	0.024	0.032	1.04E-10	0.004	0.007	0.563	0.001	41.744	TRUE	1.79E-09
PEF	FEZ2	rs62134091	C	T	-0.139	0.020	0.040	8.20E-12	-0.003	0.007	0.716	0.001	46.715	TRUE	1.24E-10
PEF	FEZ2	rs62136186	G	A	-0.272	0.025	0.027	8.09E-27	-0.003	0.007	0.682	0.004	114.937	TRUE	3.80E-24
PEF	FEZ2	rs67090964	C	T	0.093	0.012	0.129	5.57E-15	0.005	0.004	0.179	0.002	61.045	TRUE	1.36E-12
PEF	FEZ2	rs6713299	A	G	0.269	0.028	0.023	5.67E-22	0.005	0.008	0.523	0.003	92.835	TRUE	1.72E-19
PEF	FEZ2	rs6732843	C	A	-0.088	0.014	0.083	1.05E-09	0.008	0.005	0.083	0.001	37.222	TRUE	9.39E-08
PEF	FEZ2	rs6749967	G	A	-0.151	0.015	0.071	1.69E-22	-0.002	0.004	0.576	0.003	95.233	TRUE	4.45E-20
PEF	FEZ2	rs67500016	T	C	0.536	0.024	0.032	1.09E-111	0.008	0.007	0.266	0.016	504.292	TRUE	6.10E-99
PEF	FEZ2	rs72783182	T	C	-0.056	0.009	0.253	1.11E-09	-0.004	0.003	0.201	0.001	37.117	TRUE	4.77E-08
PEF	FEZ2	rs72787253	G	A	0.259	0.045	0.013	8.64E-09	0.012	0.009	0.160	0.001	33.122	TRUE	3.39E-07
PEF	FEZ2	rs72787255	G	A	0.164	0.020	0.048	6.04E-17	0.000	0.006	0.950	0.002	69.959	TRUE	1.42E-15
PEF	FEZ2	rs72795281	A	G	0.525	0.020	0.041	1.38E-153	0.002	0.006	0.781	0.022	696.899	TRUE	6.05E-139
PEF	FEZ2	rs72801311	C	T	0.121	0.013	0.108	2.67E-21	0.003	0.004	0.448	0.003	89.767	TRUE	8.94E-19
PEF	FEZ2	rs72860723	A	G	0.059	0.011	0.173	2.10E-08	0.001	0.004	0.850	0.001	31.396	TRUE	1.14E-07
PEF	FEZ2	rs72866811	T	C	0.315	0.044	0.019	5.64E-13	0.007	0.012	0.566	0.002	51.963	TRUE	1.68E-11
PEF	FEZ2	rs72869941	A	C	0.117	0.021	0.039	1.09E-08	-0.006	0.006	0.340	0.001	32.670	TRUE	2.07E-07

PEF	FEZ2	rs75597083	A	G	-0.138	0.015	0.084	2.71E-21	-0.003	0.004	0.455	0.003	89.735	TRUE	9.22E-19
PEF	FEZ2	rs7577081	A	C	0.062	0.011	0.172	3.25E-09	0.001	0.003	0.834	0.001	35.025	TRUE	2.10E-08
PEF	FEZ2	rs78072984	C	T	0.548	0.021	0.042	1.78E-143	-0.008	0.006	0.216	0.020	650.410	TRUE	5.95E-127
PEF	FEZ2	rs78397636	T	C	-0.169	0.021	0.038	6.12E-16	-0.006	0.007	0.388	0.002	65.395	TRUE	7.18E-14
PEF	FEZ2	rs79890806	A	C	-0.188	0.021	0.040	1.66E-18	-0.005	0.006	0.405	0.002	77.048	TRUE	3.50E-16
PEF	FEZ2	rs848505	C	T	0.188	0.009	0.290	2.79E-103	-0.002	0.003	0.405	0.014	465.650	TRUE	3.53E-92
PEF	FEZ2	rs848542	A	G	-0.429	0.041	0.016	8.82E-26	-0.008	0.008	0.324	0.003	110.201	TRUE	1.76E-22
PEF	FEZ2	rs848632	A	C	-0.458	0.041	0.025	1.93E-28	-0.006	0.017	0.736	0.004	122.347	TRUE	1.05E-25
PEF	FEZ2	rs848643	A	G	-0.215	0.008	0.334	2.60E-147	-0.005	0.003	0.087	0.021	668.044	TRUE	8.35E-129
PEF	FEZ2	rs888077	A	G	-0.254	0.010	0.199	6.14E-147	-0.002	0.003	0.587	0.021	666.330	TRUE	3.52E-132
PEF	FGR	rs34806307	T	C	0.195	0.017	0.058	5.57E-29	0.010	0.005	0.038	0.004	124.814	TRUE	6.77E-24
PEF	FGR	rs72886321	A	C	0.223	0.034	0.019	6.00E-11	0.012	0.011	0.258	0.001	42.819	TRUE	3.02E-09
PEF	FNIP2	rs10009938	G	A	-0.056	0.008	0.421	8.95E-12	0.000	0.003	0.945	0.001	46.542	TRUE	7.76E-11
PEF	FNIP2	rs112718322	C	A	-0.159	0.022	0.036	9.85E-13	-0.002	0.006	0.752	0.002	50.871	TRUE	1.66E-11
PEF	FNIP2	rs115154624	G	A	-0.222	0.031	0.022	7.67E-13	-0.016	0.008	0.041	0.002	51.363	TRUE	3.79E-10
PEF	FNIP2	rs116113577	C	T	-0.249	0.040	0.017	3.84E-10	0.012	0.012	0.335	0.001	39.193	TRUE	1.12E-08
PEF	FNIP2	rs13119680	A	G	-0.250	0.040	0.015	3.07E-10	-0.006	0.010	0.556	0.001	39.629	TRUE	4.79E-09
PEF	FNIP2	rs146101133	A	G	-0.203	0.032	0.020	1.34E-10	-0.021	0.010	0.041	0.001	41.245	TRUE	2.85E-08
PEF	FNIP2	rs150430651	C	T	0.215	0.039	0.015	3.45E-08	0.007	0.012	0.573	0.001	30.433	TRUE	3.15E-07
PEF	FNIP2	rs17037731	G	T	0.268	0.021	0.037	3.81E-37	0.011	0.006	0.064	0.005	162.155	TRUE	2.48E-31
PEF	FNIP2	rs35747642	G	T	-0.242	0.008	0.372	7.74E-193	-0.009	0.003	9.92E-04	0.027	877.418	TRUE	9.20E-164
PEF	FNIP2	rs6536350	G	A	-0.096	0.011	0.174	9.48E-20	-0.001	0.003	0.802	0.003	82.710	TRUE	6.15E-18
PEF	FNIP2	rs6818858	A	G	0.132	0.016	0.070	4.24E-17	0.006	0.005	0.219	0.002	70.660	TRUE	1.46E-14
PEF	FNIP2	rs72695488	A	T	0.149	0.012	0.137	6.10E-37	0.004	0.004	0.287	0.005	161.217	TRUE	2.56E-32
PEF	FNIP2	rs7435789	T	C	-0.064	0.010	0.211	8.24E-11	-0.001	0.003	0.684	0.001	42.198	TRUE	1.06E-09
PEF	FNIP2	rs76327892	T	C	0.133	0.021	0.040	1.02E-10	-0.005	0.006	0.394	0.001	41.781	TRUE	2.85E-09
PEF	FNIP2	rs76610881	G	A	0.111	0.014	0.094	9.22E-16	0.002	0.004	0.710	0.002	64.587	TRUE	3.46E-14
PEF	FNIP2	rs7665744	G	A	-0.055	0.010	0.197	3.79E-08	-0.001	0.003	0.825	0.001	30.250	TRUE	2.00E-07
PEF	FNIP2	rs7671903	A	G	0.084	0.008	0.444	8.79E-26	0.002	0.003	0.376	0.003	110.210	TRUE	1.29E-22
PEF	FNIP2	rs77143685	G	T	-0.172	0.022	0.035	7.90E-15	-0.009	0.007	0.239	0.002	60.357	TRUE	1.32E-12
PEF	FNIP2	rs77229150	A	C	-0.116	0.018	0.052	2.28E-10	-0.001	0.005	0.817	0.001	40.208	TRUE	1.95E-09
PEF	FNIP2	rs78126162	C	T	-0.156	0.020	0.044	4.61E-15	0.001	0.006	0.843	0.002	61.415	TRUE	9.94E-14
PEF	FNIP2	rs78665148	C	A	-0.137	0.023	0.034	1.32E-09	-0.005	0.007	0.421	0.001	36.784	TRUE	2.55E-08
PEF	FOXK1	rs10246759	T	C	-0.051	0.009	0.440	1.14E-08	0.000	0.003	0.966	0.001	32.586	TRUE	5.01E-08
PEF	FOXK1	rs10262715	A	G	0.329	0.009	0.396	6.55E-281	0.007	0.003	0.004	0.039	1282.603	TRUE	3.51E-242
PEF	FOXK1	rs112342053	T	C	0.217	0.030	0.031	2.52E-13	-0.001	0.006	0.822	0.002	53.547	TRUE	3.98E-12
PEF	FOXK1	rs117071851	T	C	0.207	0.033	0.027	5.58E-10	0.007	0.006	0.254	0.001	38.460	TRUE	2.16E-08
PEF	FOXK1	rs118191124	T	G	0.272	0.030	0.027	1.63E-19	-0.004	0.008	0.610	0.003	81.640	TRUE	1.98E-17
PEF	FOXK1	rs12701878	A	G	-0.247	0.033	0.025	4.45E-14	-0.017	0.006	0.009	0.002	56.956	TRUE	1.04E-10
PEF	FOXK1	rs28658109	C	T	-0.118	0.012	0.169	2.65E-23	-0.014	0.003	7.19E-05	0.003	98.896	TRUE	6.20E-17
PEF	FOXK1	rs2969497	C	T	0.071	0.013	0.142	1.70E-08	-0.002	0.004	0.633	0.001	31.810	TRUE	1.47E-07
PEF	FOXK1	rs57319005	T	C	-0.222	0.018	0.082	1.09E-33	-0.007	0.005	0.160	0.005	146.343	TRUE	6.81E-29

PEF	FOXK1	rs62453197	G	A	-0.108	0.016	0.090	2.29E-11	0.000	0.004	0.974	0.001	44.702	TRUE	1.66E-10
PEF	FOXK1	rs6975499	G	A	0.175	0.011	0.233	7.18E-57	0.006	0.003	0.049	0.008	252.545	TRUE	2.14E-48
PEF	FOXK1	rs73044587	T	C	0.147	0.022	0.053	3.47E-11	0.005	0.005	0.346	0.001	43.890	TRUE	1.31E-09
PEF	FOXK1	rs74766197	T	G	0.183	0.019	0.072	8.61E-23	0.005	0.005	0.319	0.003	96.564	TRUE	8.25E-20
PEF	FOXK1	rs76666907	A	G	-0.133	0.017	0.084	2.54E-14	-0.008	0.004	0.037	0.002	58.061	TRUE	2.14E-11
PEF	FOXK1	rs76747878	T	C	-0.175	0.032	0.027	3.38E-08	-0.001	0.010	0.926	0.001	30.475	TRUE	1.48E-07
PEF	FOXK1	rs80033128	C	T	0.195	0.028	0.032	3.32E-12	0.011	0.006	0.046	0.002	48.486	TRUE	1.18E-09
PEF	FTH1	rs111605165	A	G	-0.605	0.019	0.049	1.51E-217	-0.014	0.006	0.027	0.030	991.074	TRUE	4.21E-189
PEF	FTH1	rs11230827	A	G	0.118	0.019	0.047	4.74E-10	0.002	0.008	0.830	0.001	38.778	TRUE	3.73E-09
PEF	FTH1	rs11230961	C	G	-0.148	0.013	0.122	1.25E-29	0.006	0.005	0.227	0.004	127.777	TRUE	1.26E-25
PEF	FTH1	rs11230996	T	C	-0.060	0.008	0.382	2.24E-13	0.002	0.003	0.499	0.002	53.778	TRUE	9.39E-12
PEF	FTH1	rs12576538	A	G	-0.074	0.008	0.485	4.35E-20	0.002	0.003	0.500	0.003	84.249	TRUE	9.21E-18
PEF	FTH1	rs174602	C	T	0.062	0.011	0.195	5.23E-09	0.002	0.003	0.575	0.001	34.101	TRUE	5.65E-08
PEF	FTH1	rs259873	G	T	-0.071	0.009	0.323	1.47E-15	-0.002	0.003	0.503	0.002	63.667	TRUE	1.03E-13
PEF	FTH1	rs259874	A	G	0.091	0.012	0.138	2.01E-13	-0.003	0.004	0.486	0.002	53.996	TRUE	8.64E-12
PEF	FTH1	rs259879	C	A	-0.123	0.009	0.302	3.02E-45	0.001	0.003	0.599	0.006	199.256	TRUE	1.27E-40
PEF	FTH1	rs259889	C	T	0.076	0.009	0.589	4.98E-18	0.000	0.003	0.985	0.002	74.884	TRUE	1.25E-16
PEF	FTH1	rs2727269	G	A	-0.055	0.008	0.443	5.24E-12	-0.005	0.003	0.056	0.001	47.590	TRUE	1.41E-09
PEF	FTH1	rs509360	A	G	-0.067	0.009	0.365	1.59E-14	0.004	0.003	0.159	0.002	58.979	TRUE	3.93E-12
PEF	FTH1	rs6591661	C	T	0.072	0.013	0.149	3.37E-08	-0.003	0.004	0.431	0.001	30.477	TRUE	4.24E-07
PEF	FTH1	rs74958193	C	G	0.090	0.016	0.072	7.80E-09	-0.004	0.006	0.482	0.001	33.323	TRUE	1.04E-07
PEF	FTH1	rs972354	T	C	0.130	0.012	0.125	9.38E-27	-0.001	0.004	0.840	0.004	114.647	TRUE	2.46E-24
PEF	GAB2	rs1318241	T	C	0.182	0.011	0.169	1.62E-60	-0.016	0.004	8.05E-06	0.008	269.277	TRUE	5.27E-47
PEF	GAB2	rs17753400	A	C	0.209	0.029	0.025	6.82E-13	-0.009	0.009	0.331	0.002	51.592	TRUE	4.33E-11
PEF	GAB2	rs75268099	T	C	0.203	0.029	0.024	1.47E-12	-0.013	0.008	0.115	0.002	50.089	TRUE	2.69E-10
PEF	GAB2	rs79023139	C	A	0.103	0.014	0.087	1.16E-12	-0.008	0.004	0.084	0.002	50.552	TRUE	3.03E-10
PEF	GBA	rs11264296	C	T	-0.072	0.012	0.443	1.65E-09	0.006	0.003	0.022	0.001	36.349	TRUE	3.20E-07
PEF	GBA	rs11264345	A	T	0.260	0.013	0.294	2.77E-91	-0.013	0.003	2.70E-06	0.013	410.529	TRUE	1.52E-72
PEF	GBA	rs11580824	T	C	0.124	0.019	0.111	3.79E-11	-0.002	0.004	0.572	0.001	43.718	TRUE	7.14E-10
PEF	GBA	rs12026113	T	A	-0.097	0.015	0.179	2.79E-10	-0.005	0.004	0.166	0.001	39.816	TRUE	1.70E-08
PEF	GBA	rs12406363	C	T	0.209	0.035	0.047	2.50E-09	-0.001	0.012	0.939	0.001	35.536	TRUE	1.33E-08
PEF	GBA	rs12752133	T	C	0.574	0.071	0.020	6.67E-16	-0.014	0.011	0.193	0.002	65.224	TRUE	2.01E-13
PEF	GBA	rs1462854	A	T	0.150	0.025	0.058	3.17E-09	-0.021	0.005	2.73E-05	0.001	35.075	TRUE	8.66E-06
PEF	GBA	rs147869881	T	C	0.257	0.045	0.027	1.26E-08	0.001	0.007	0.932	0.001	32.390	TRUE	5.88E-08
PEF	GBA	rs149713202	A	G	-0.234	0.039	0.034	1.73E-09	0.002	0.007	0.825	0.001	36.253	TRUE	1.23E-08
PEF	GBA	rs188978150	C	T	-0.257	0.046	0.023	2.24E-08	-0.002	0.011	0.865	0.001	31.271	TRUE	1.15E-07
PEF	GBA	rs6667285	T	C	-0.207	0.030	0.050	8.10E-12	-0.001	0.005	0.923	0.001	46.739	TRUE	7.37E-11
PEF	GBA	rs76830943	C	T	0.094	0.016	0.158	1.18E-08	-0.010	0.003	0.004	0.001	32.520	TRUE	3.66E-06
PEF	GBA	rs78003115	A	G	-0.193	0.023	0.104	1.58E-17	0.007	0.004	0.092	0.002	72.606	TRUE	1.88E-14
PEF	GGA1	rs11089845	G	C	0.059	0.009	0.387	3.96E-10	0.001	0.003	0.837	0.001	39.130	TRUE	3.04E-09
PEF	GGA1	rs112110095	T	C	-0.105	0.018	0.053	3.65E-09	0.003	0.006	0.574	0.001	34.801	TRUE	4.15E-08
PEF	GGA1	rs12627943	G	C	0.117	0.009	0.235	1.52E-35	0.007	0.003	0.027	0.005	154.827	TRUE	2.28E-29

PEF	GGA1	rs12710562	G	A	0.280	0.012	0.166	1.72E-130	0.010	0.003	0.001	0.018	590.714	TRUE	6.44E-110
PEF	GGA1	rs2071770	A	G	0.295	0.033	0.022	2.98E-19	0.012	0.010	0.223	0.003	80.449	TRUE	1.91E-16
PEF	GGA1	rs6000845	A	G	0.058	0.010	0.296	1.31E-08	0.005	0.003	0.068	0.001	32.310	TRUE	9.62E-07
PEF	GGA1	rs62235977	A	G	-0.071	0.008	0.460	8.00E-19	-0.004	0.003	0.134	0.002	78.495	TRUE	9.36E-16
PEF	GGA1	rs73168260	G	A	-0.073	0.011	0.157	3.14E-11	-0.013	0.004	2.20E-04	0.001	44.087	TRUE	1.20E-07
PEF	GGA1	rs76505895	T	C	0.271	0.037	0.024	1.43E-13	0.010	0.007	0.181	0.002	54.662	TRUE	2.34E-11
PEF	GGA3	rs8079345	C	G	-0.091	0.011	0.143	1.51E-15	0.010	0.004	0.008	0.002	63.619	TRUE	6.51E-12
PEF	GLS	rs115938555	A	G	-0.144	0.022	0.043	2.51E-11	0.019	0.007	0.007	0.001	44.521	TRUE	2.09E-08
PEF	GLS	rs116520924	A	G	0.171	0.024	0.034	5.30E-13	-0.021	0.006	7.85E-04	0.002	52.087	TRUE	3.01E-09
PEF	GLS	rs116681266	A	G	0.271	0.025	0.032	1.91E-27	-0.016	0.006	0.010	0.004	117.802	TRUE	5.70E-22
PEF	GLS	rs117660443	A	G	0.325	0.054	0.051	2.44E-09	-0.026	0.016	0.110	0.001	35.584	TRUE	1.58E-07
PEF	GLS	rs13012785	A	T	0.104	0.016	0.070	8.84E-11	-0.015	0.005	0.004	0.001	42.060	TRUE	8.11E-08
PEF	GLS	rs13410837	G	A	0.237	0.029	0.024	4.23E-16	-0.018	0.008	0.017	0.002	66.122	TRUE	1.34E-12
PEF	GLS	rs145048940	C	A	0.265	0.031	0.021	2.61E-17	0.005	0.009	0.537	0.002	71.618	TRUE	2.41E-15
PEF	GLS	rs35672585	A	G	0.076	0.011	0.154	6.16E-12	-0.010	0.004	0.006	0.001	47.277	TRUE	7.68E-09
PEF	GLS	rs3755311	A	G	0.173	0.029	0.020	4.40E-09	-0.028	0.009	0.001	0.001	34.436	TRUE	2.95E-06
PEF	GLS	rs3860472	T	C	0.230	0.032	0.024	3.85E-13	-0.005	0.008	0.501	0.002	52.713	TRUE	1.45E-11
PEF	GLS	rs41382444	T	C	-0.126	0.017	0.064	2.80E-14	0.006	0.005	0.243	0.002	57.866	TRUE	3.85E-12
PEF	GLS	rs4366932	T	C	0.123	0.008	0.376	1.01E-50	-0.012	0.003	3.12E-06	0.007	224.351	TRUE	1.59E-38
PEF	GLS	rs4438514	A	G	0.094	0.008	0.354	2.98E-29	-0.021	0.003	2.14E-15	0.004	126.055	TRUE	3.14E-17
PEF	GLS	rs45526631	T	C	-0.193	0.024	0.030	1.08E-15	0.013	0.008	0.109	0.002	64.271	TRUE	5.79E-13
PEF	GLS	rs62179713	T	C	0.187	0.031	0.020	1.85E-09	-0.025	0.009	0.006	0.001	36.125	TRUE	7.25E-07
PEF	GLS	rs62181023	G	T	-0.085	0.012	0.148	1.91E-12	0.017	0.004	1.42E-06	0.002	49.567	TRUE	1.04E-07
PEF	GLS	rs6733720	G	C	-0.113	0.010	0.182	5.45E-28	0.004	0.003	0.198	0.004	120.290	TRUE	4.46E-24
PEF	GLS	rs72913156	A	C	0.070	0.008	0.403	2.79E-17	-0.003	0.003	0.301	0.002	71.486	TRUE	6.83E-15
PEF	GLS	rs887695	T	C	0.095	0.009	0.254	3.67E-25	-0.011	0.003	5.47E-05	0.003	107.377	TRUE	2.30E-18
PEF	GM2A	rs10045859	T	C	-0.056	0.009	0.352	8.56E-10	0.000	0.003	0.979	0.001	37.626	TRUE	4.68E-09
PEF	GM2A	rs10060349	C	T	0.784	0.018	0.061	0.00E+00	-0.006	0.005	0.274	0.059	1974.649	TRUE	0.00E+00
PEF	GM2A	rs10070213	T	C	-0.151	0.020	0.048	1.50E-13	-0.003	0.006	0.680	0.002	54.564	TRUE	3.74E-12
PEF	GM2A	rs10440734	G	T	-0.085	0.009	0.426	2.94E-22	-0.003	0.003	0.334	0.003	94.131	TRUE	2.22E-19
PEF	GM2A	rs10515640	T	C	-0.050	0.009	0.383	2.46E-08	0.003	0.003	0.341	0.001	31.088	TRUE	4.27E-07
PEF	GM2A	rs1061837	A	G	0.220	0.009	0.475	8.68E-138	-0.013	0.003	2.91E-07	0.019	624.261	TRUE	1.58E-110
PEF	GM2A	rs10875565	A	G	-0.085	0.009	0.434	1.54E-19	0.001	0.003	0.843	0.003	81.756	TRUE	8.40E-18
PEF	GM2A	rs113923178	T	C	-0.240	0.021	0.050	1.59E-31	0.001	0.006	0.815	0.004	136.441	TRUE	1.20E-28
PEF	GM2A	rs114820526	T	C	-0.285	0.044	0.014	1.13E-10	0.017	0.013	0.174	0.001	41.584	TRUE	7.55E-09
PEF	GM2A	rs115928949	G	A	-0.148	0.016	0.086	2.95E-20	0.010	0.005	0.048	0.003	85.013	TRUE	1.55E-16
PEF	GM2A	rs115971012	C	T	0.145	0.026	0.035	3.70E-08	-0.005	0.008	0.583	0.001	30.301	TRUE	3.25E-07
PEF	GM2A	rs116376669	A	C	0.365	0.034	0.019	1.23E-26	-0.004	0.009	0.623	0.004	114.115	TRUE	7.19E-24
PEF	GM2A	rs11743219	A	G	0.481	0.012	0.135	0.00E+00	-0.014	0.004	8.86E-05	0.045	1486.599	TRUE	9.12E-276
PEF	GM2A	rs11948623	G	A	-0.218	0.010	0.279	2.38E-113	-0.003	0.003	0.363	0.016	511.921	TRUE	6.44E-101
PEF	GM2A	rs13180182	T	C	0.206	0.013	0.128	6.63E-57	-0.004	0.004	0.257	0.008	252.704	TRUE	5.60E-50
PEF	GM2A	rs13181806	A	G	-0.159	0.019	0.059	1.18E-17	-0.004	0.006	0.484	0.002	73.180	TRUE	1.42E-15

PEF	GM2A	rs137896815	T	C	-0.290	0.022	0.040	1.16E-38	0.002	0.006	0.722	0.005	169.094	TRUE	6.26E-35
PEF	GM2A	rs137921084	G	A	1.144	0.030	0.025	0.00E+00	-0.025	0.008	0.002	0.044	1471.452	TRUE	8.57E-277
PEF	GM2A	rs140327682	A	G	-0.295	0.047	0.017	3.24E-10	-0.027	0.018	0.129	0.001	39.524	TRUE	2.45E-08
PEF	GM2A	rs141907998	T	C	0.509	0.029	0.026	9.78E-67	0.003	0.009	0.737	0.009	297.813	TRUE	2.17E-60
PEF	GM2A	rs149799009	A	C	0.092	0.016	0.078	2.00E-08	-0.009	0.005	0.054	0.001	31.488	TRUE	1.52E-06
PEF	GM2A	rs153450	A	G	0.386	0.010	0.216	2.56E-297	-0.005	0.003	0.123	0.041	1358.115	TRUE	6.38E-262
PEF	GM2A	rs153472	C	T	-0.338	0.008	0.453	0.00E+00	0.008	0.003	0.002	0.048	1587.577	TRUE	2.50E-298
PEF	GM2A	rs2112635	C	T	0.064	0.009	0.333	4.14E-12	-0.003	0.003	0.213	0.002	48.055	TRUE	3.42E-10
PEF	GM2A	rs2346027	C	T	0.109	0.009	0.422	5.84E-35	0.000	0.003	0.883	0.005	152.153	TRUE	6.97E-32
PEF	GM2A	rs248429	A	T	-0.209	0.010	0.238	3.57E-94	0.010	0.003	5.18E-04	0.013	423.808	TRUE	1.29E-77
PEF	GM2A	rs248455	T	C	-0.183	0.015	0.100	1.65E-32	0.010	0.005	0.024	0.004	140.935	TRUE	1.06E-26
PEF	GM2A	rs248457	T	G	0.152	0.010	0.353	5.17E-57	-0.001	0.003	0.624	0.008	253.200	TRUE	2.81E-51
PEF	GM2A	rs248458	A	G	0.287	0.010	0.313	1.01E-188	-0.007	0.003	0.011	0.026	858.481	TRUE	1.09E-162
PEF	GM2A	rs3097795	G	A	-0.274	0.009	0.357	7.33E-205	0.003	0.003	0.218	0.029	932.725	TRUE	1.49E-181
PEF	GM2A	rs34594711	T	C	-0.203	0.018	0.075	6.69E-31	0.003	0.005	0.516	0.004	133.588	TRUE	1.66E-27
PEF	GM2A	rs35108910	C	A	0.226	0.022	0.040	8.15E-24	-0.024	0.006	1.03E-04	0.003	101.233	TRUE	1.86E-17
PEF	GM2A	rs35120264	T	C	0.312	0.026	0.031	4.37E-34	-0.018	0.007	0.008	0.005	148.154	TRUE	1.58E-27
PEF	GM2A	rs352702	T	C	-0.205	0.018	0.086	3.05E-31	0.014	0.004	0.001	0.004	135.147	TRUE	2.59E-24
PEF	GM2A	rs365113	G	A	-0.087	0.012	0.172	5.81E-14	0.004	0.003	0.235	0.002	56.432	TRUE	8.05E-12
PEF	GM2A	rs3797875	A	G	-0.068	0.011	0.190	1.09E-09	0.002	0.003	0.538	0.001	37.162	TRUE	1.54E-08
PEF	GM2A	rs4484410	A	G	-0.247	0.021	0.048	5.70E-33	-0.008	0.006	0.203	0.004	143.051	TRUE	1.73E-28
PEF	GM2A	rs55823924	G	A	0.665	0.033	0.020	6.78E-88	0.011	0.008	0.147	0.012	394.966	TRUE	6.69E-77
PEF	GM2A	rs61191955	A	C	-0.077	0.011	0.259	1.27E-11	-0.008	0.003	0.022	0.001	45.857	TRUE	5.87E-09
PEF	GM2A	rs66495175	A	C	0.089	0.015	0.096	7.51E-09	0.002	0.004	0.719	0.001	33.397	TRUE	5.90E-08
PEF	GM2A	rs66693652	A	G	0.105	0.014	0.208	8.32E-15	0.000	0.003	0.967	0.002	60.254	TRUE	1.19E-13
PEF	GM2A	rs67910448	A	T	-0.117	0.012	0.172	2.76E-24	0.003	0.004	0.401	0.003	103.378	TRUE	2.42E-21
PEF	GM2A	rs6891880	G	A	0.050	0.009	0.433	1.57E-08	0.004	0.003	0.172	0.001	31.968	TRUE	5.17E-07
PEF	GM2A	rs6897702	A	C	-0.204	0.012	0.170	2.09E-68	0.001	0.003	0.785	0.010	305.475	TRUE	4.90E-62
PEF	GM2A	rs72790122	A	G	0.171	0.021	0.053	3.91E-16	-0.003	0.006	0.616	0.002	66.278	TRUE	2.11E-14
PEF	GM2A	rs72790168	T	C	0.493	0.017	0.070	1.66E-188	-0.006	0.005	0.268	0.026	857.503	TRUE	2.11E-167
PEF	GM2A	rs72798369	T	C	0.313	0.031	0.026	2.42E-23	-0.006	0.008	0.434	0.003	99.080	TRUE	1.50E-20
PEF	GM2A	rs74415159	A	G	-0.162	0.025	0.042	7.31E-11	0.014	0.006	0.016	0.001	42.432	TRUE	3.06E-08
PEF	GM2A	rs74823953	T	C	-0.327	0.050	0.015	5.09E-11	0.013	0.011	0.247	0.001	43.139	TRUE	2.70E-09
PEF	GM2A	rs74925736	G	A	0.740	0.037	0.020	2.51E-90	-0.018	0.008	0.017	0.013	406.135	TRUE	6.50E-77
PEF	GM2A	rs75146152	T	C	0.150	0.026	0.037	1.03E-08	0.002	0.006	0.750	0.001	32.790	TRUE	7.15E-08
PEF	GM2A	rs75252609	T	C	-0.152	0.028	0.029	3.50E-08	0.019	0.007	0.006	0.001	30.405	TRUE	7.61E-06
PEF	GM2A	rs7718108	A	G	-0.119	0.016	0.080	1.01E-13	0.002	0.005	0.706	0.002	55.345	TRUE	2.44E-12
PEF	GM2A	rs7724949	A	G	-0.083	0.013	0.121	5.01E-10	0.001	0.004	0.746	0.001	38.671	TRUE	4.74E-09
PEF	GM2A	rs77399794	T	C	-0.132	0.014	0.107	7.25E-21	0.008	0.004	0.056	0.003	87.792	TRUE	4.09E-17
PEF	GM2A	rs77899761	C	T	-0.100	0.010	0.227	5.30E-22	0.003	0.003	0.360	0.003	92.967	TRUE	3.21E-19
PEF	GM2A	rs79604591	C	A	-0.186	0.023	0.048	1.17E-15	0.003	0.005	0.584	0.002	64.124	TRUE	6.26E-14
PEF	GM2A	rs80027325	C	T	0.999	0.023	0.040	0.00E+00	-0.015	0.007	0.031	0.058	1956.206	TRUE	0.00E+00

PEF	GM2A	rs9324675	T	C	0.170	0.013	0.133	1.88E-40	-0.008	0.004	0.049	0.006	177.289	TRUE	5.14E-34
PEF	GNAI2	rs2097247	T	C	-0.115	0.015	0.088	6.05E-15	-0.010	0.004	0.024	0.002	60.883	TRUE	9.24E-12
PEF	GNAI3	rs1051137	T	A	-0.171	0.008	0.368	3.20E-94	-0.005	0.003	0.079	0.013	424.027	TRUE	9.56E-82
PEF	GNAI3	rs114338562	G	A	0.254	0.044	0.013	6.59E-09	0.000	0.009	0.966	0.001	33.650	TRUE	3.05E-08
PEF	GNAI3	rs115181845	T	C	0.176	0.016	0.068	2.74E-28	-0.006	0.005	0.218	0.004	121.653	TRUE	2.18E-24
PEF	GNAI3	rs115455243	C	T	-0.616	0.028	0.025	2.89E-104	-0.021	0.009	0.016	0.015	470.174	TRUE	5.17E-89
PEF	GNAI3	rs115678477	T	C	-0.252	0.032	0.019	6.81E-15	-0.006	0.008	0.489	0.002	60.649	TRUE	4.15E-13
PEF	GNAI3	rs12034749	G	A	-0.139	0.013	0.117	2.15E-25	0.000	0.004	0.988	0.003	108.431	TRUE	2.46E-23
PEF	GNAI3	rs12036884	A	G	-0.110	0.015	0.073	9.46E-13	-0.010	0.006	0.070	0.002	50.950	TRUE	2.83E-10
PEF	GNAI3	rs12119154	A	G	0.107	0.017	0.057	6.66E-10	0.002	0.005	0.708	0.001	38.116	TRUE	6.60E-09
PEF	GNAI3	rs12736389	C	G	0.099	0.011	0.179	1.61E-20	0.004	0.003	0.270	0.003	86.210	TRUE	1.07E-17
PEF	GNAI3	rs1277034	A	T	0.060	0.009	0.263	3.49E-11	-0.002	0.003	0.570	0.001	43.880	TRUE	6.72E-10
PEF	GNAI3	rs1277932	C	T	-0.051	0.008	0.371	7.87E-10	-0.003	0.003	0.239	0.001	37.791	TRUE	2.87E-08
PEF	GNAI3	rs139718045	G	C	0.108	0.019	0.062	7.97E-09	-0.007	0.005	0.166	0.001	33.279	TRUE	3.09E-07
PEF	GNAI3	rs141169907	T	C	-0.694	0.043	0.015	1.15E-59	-0.001	0.009	0.927	0.008	265.361	TRUE	1.85E-54
PEF	GNAI3	rs1434284	C	T	-0.137	0.019	0.045	1.24E-12	0.005	0.008	0.493	0.002	50.413	TRUE	4.25E-11
PEF	GNAI3	rs149980943	T	C	0.348	0.031	0.018	7.80E-29	0.001	0.011	0.912	0.004	124.145	TRUE	2.32E-26
PEF	GNAI3	rs1608916	T	A	-0.463	0.012	0.131	0.00E+00	-0.013	0.004	7.12E-04	0.048	1611.564	TRUE	1.12E-301
PEF	GNAI3	rs17035630	A	G	-0.141	0.012	0.145	8.66E-33	-0.009	0.004	0.017	0.004	142.222	TRUE	9.53E-27
PEF	GNAI3	rs17035665	T	C	0.108	0.010	0.189	3.75E-26	-0.001	0.003	0.777	0.004	111.900	TRUE	1.08E-23
PEF	GNAI3	rs17645143	C	T	-0.132	0.009	0.302	5.21E-52	0.000	0.003	0.988	0.007	230.254	TRUE	1.13E-47
PEF	GNAI3	rs41299561	C	T	-0.805	0.052	0.015	3.58E-54	-0.001	0.012	0.939	0.008	240.173	TRUE	1.68E-49
PEF	GNAI3	rs476641	G	C	-0.290	0.008	0.348	1.27E-274	-0.003	0.003	0.234	0.038	1253.672	TRUE	1.93E-243
PEF	GNAI3	rs518076	G	A	0.496	0.013	0.096	1.15E-302	0.002	0.004	0.637	0.043	1414.914	TRUE	1.29E-277
PEF	GNAI3	rs56380049	T	C	0.200	0.017	0.057	2.57E-30	0.003	0.005	0.511	0.004	130.916	TRUE	5.84E-27
PEF	GNAI3	rs659782	T	C	-0.159	0.017	0.057	1.61E-20	-0.001	0.005	0.788	0.003	86.213	TRUE	1.32E-18
PEF	GNAI3	rs6693815	T	C	0.069	0.010	0.208	4.50E-12	-0.001	0.003	0.786	0.002	47.892	TRUE	5.99E-11
PEF	GNAI3	rs672569	A	G	0.105	0.011	0.167	2.14E-22	0.002	0.003	0.483	0.003	94.760	TRUE	8.47E-20
PEF	GNAI3	rs72647804	G	A	-0.172	0.028	0.026	8.36E-10	-0.002	0.006	0.762	0.001	37.673	TRUE	7.27E-09
PEF	GNAI3	rs76912669	C	T	-0.547	0.016	0.066	1.80E-261	0.000	0.005	0.933	0.036	1193.168	TRUE	2.03E-236
PEF	GNAI3	rs77677721	T	A	0.362	0.026	0.028	1.07E-42	0.002	0.008	0.782	0.006	187.568	TRUE	1.03E-38
PEF	GNS	rs1008159	C	T	-0.186	0.013	0.113	5.75E-50	0.005	0.004	0.238	0.007	220.888	TRUE	1.12E-43
PEF	GNS	rs10459261	G	C	0.087	0.015	0.078	4.17E-09	-0.008	0.005	0.138	0.001	34.542	TRUE	2.02E-07
PEF	GNS	rs111381048	T	G	-0.086	0.015	0.083	1.24E-08	-0.002	0.005	0.649	0.001	32.415	TRUE	1.06E-07
PEF	GNS	rs11175598	G	T	0.119	0.021	0.042	7.52E-09	0.003	0.007	0.632	0.001	33.393	TRUE	6.93E-08
PEF	GNS	rs11175628	C	A	-0.094	0.014	0.100	9.28E-12	-0.011	0.004	0.007	0.001	46.471	TRUE	9.33E-09
PEF	GNS	rs1147093	A	G	-0.173	0.008	0.397	7.85E-102	0.005	0.003	0.050	0.014	458.994	TRUE	6.73E-88
PEF	GNS	rs11615626	G	T	0.080	0.008	0.351	9.02E-22	0.002	0.003	0.516	0.003	91.916	TRUE	2.51E-19
PEF	GNS	rs12824259	T	C	0.125	0.011	0.158	4.74E-30	0.004	0.004	0.275	0.004	129.700	TRUE	4.15E-26
PEF	GNS	rs1373877	C	T	-0.085	0.008	0.464	5.98E-27	0.001	0.003	0.775	0.004	115.538	TRUE	1.99E-24
PEF	GNS	rs143922148	T	C	0.151	0.024	0.032	1.20E-10	0.003	0.008	0.728	0.001	41.455	TRUE	1.36E-09
PEF	GNS	rs1566318	A	G	0.046	0.008	0.414	1.36E-08	-0.003	0.003	0.230	0.001	32.235	TRUE	3.64E-07

PEF	GNS	rs17100718	T	G	-0.156	0.021	0.041	2.44E-13	0.012	0.007	0.063	0.002	53.615	TRUE	1.01E-10
PEF	GNS	rs1716487	T	G	0.064	0.008	0.450	1.11E-15	-0.009	0.003	2.99E-04	0.002	64.214	TRUE	3.81E-11
PEF	GNS	rs17823705	G	A	0.139	0.012	0.132	1.46E-32	0.002	0.004	0.609	0.004	141.187	TRUE	3.31E-29
PEF	GNS	rs34895146	T	C	0.163	0.023	0.040	6.35E-13	-0.001	0.007	0.845	0.002	51.733	TRUE	8.82E-12
PEF	GNS	rs59270299	C	T	-0.501	0.032	0.019	2.10E-54	-0.013	0.012	0.254	0.008	241.233	TRUE	9.94E-48
PEF	GRINA	rs112194547	A	G	-0.415	0.052	0.018	1.23E-15	-0.007	0.008	0.372	0.002	64.022	TRUE	1.40E-13
PEF	GRINA	rs11781667	T	G	-0.462	0.012	0.350	0.00E+00	0.013	0.003	1.04E-06	0.044	1462.545	TRUE	8.21E-267
PEF	GRINA	rs12334749	A	G	0.324	0.022	0.104	1.35E-50	-0.007	0.004	0.099	0.007	223.770	TRUE	1.78E-43
PEF	GRINA	rs12681478	T	C	0.106	0.014	0.385	5.14E-15	-0.008	0.003	0.001	0.002	61.201	TRUE	5.41E-11
PEF	GRINA	rs13256523	T	C	0.293	0.033	0.047	4.92E-19	-0.013	0.005	0.008	0.003	79.455	TRUE	8.76E-15
PEF	GRINA	rs138885737	T	C	-0.179	0.017	0.218	4.18E-25	0.005	0.003	0.096	0.003	107.116	TRUE	4.40E-21
PEF	GRINA	rs141717948	T	G	-0.578	0.071	0.013	2.78E-16	-0.001	0.009	0.950	0.002	66.947	TRUE	5.79E-15
PEF	GRINA	rs145688278	A	G	0.398	0.070	0.013	1.53E-08	0.002	0.014	0.899	0.001	32.009	TRUE	7.57E-08
PEF	GRINA	rs147713970	A	G	-0.340	0.035	0.044	4.13E-22	0.017	0.007	0.019	0.003	93.461	TRUE	1.02E-17
PEF	GRINA	rs185212438	T	C	-0.483	0.033	0.047	7.19E-50	0.001	0.005	0.868	0.007	220.443	TRUE	2.07E-45
PEF	GRINA	rs4977166	A	C	0.147	0.026	0.079	9.56E-09	-0.006	0.005	0.271	0.001	32.927	TRUE	2.37E-07
PEF	GRINA	rs4977190	T	C	-0.195	0.013	0.487	2.24E-50	0.009	0.003	0.001	0.007	222.767	TRUE	1.78E-40
PEF	GRINA	rs60394484	A	C	-0.300	0.033	0.046	9.07E-20	0.018	0.006	0.001	0.003	82.797	TRUE	7.31E-15
PEF	GRINA	rs62526406	G	A	-0.080	0.013	0.486	1.18E-09	0.008	0.003	0.002	0.001	37.001	TRUE	9.95E-07
PEF	GRINA	rs72695403	T	C	-0.521	0.051	0.020	1.69E-24	0.007	0.008	0.409	0.003	104.348	TRUE	1.58E-21
PEF	GRINA	rs72695429	A	G	-0.297	0.046	0.026	6.75E-11	0.003	0.007	0.725	0.001	42.589	TRUE	8.07E-10
PEF	GRINA	rs74391674	T	C	-0.374	0.037	0.039	7.56E-24	0.008	0.006	0.177	0.003	101.383	TRUE	2.43E-20
PEF	GRINA	rs76497352	T	C	0.249	0.022	0.079	9.92E-29	0.001	0.004	0.807	0.004	123.669	TRUE	4.17E-26
PEF	GRINA	rs7828942	A	G	0.124	0.020	0.100	6.18E-10	0.005	0.004	0.241	0.001	38.262	TRUE	2.45E-08
PEF	GRINA	rs79832570	C	T	0.289	0.029	0.063	1.09E-22	-0.010	0.005	0.036	0.003	96.105	TRUE	1.85E-18
PEF	GSDMB	rs10305288	T	C	-0.212	0.021	0.041	1.21E-23	-0.008	0.006	0.208	0.003	100.450	TRUE	2.91E-20
PEF	GSDMB	rs10305295	G	T	0.167	0.022	0.038	1.40E-14	0.005	0.006	0.468	0.002	59.231	TRUE	8.58E-13
PEF	GSDMB	rs112433793	G	A	0.112	0.013	0.135	3.71E-19	-0.002	0.004	0.677	0.003	80.015	TRUE	3.18E-17
PEF	GSDMB	rs113557550	T	C	0.225	0.019	0.050	1.55E-31	-0.004	0.006	0.484	0.004	136.489	TRUE	5.30E-28
PEF	GSDMB	rs113903075	T	G	-0.331	0.019	0.048	2.11E-66	0.005	0.006	0.443	0.009	296.275	TRUE	3.40E-59
PEF	GSDMB	rs113930796	C	T	0.509	0.025	0.030	2.26E-90	-0.001	0.008	0.902	0.013	406.342	TRUE	2.76E-82
PEF	GSDMB	rs117278702	A	G	0.490	0.023	0.036	1.36E-103	-0.005	0.008	0.536	0.015	467.091	TRUE	5.27E-93
PEF	GSDMB	rs117504211	C	A	-0.467	0.017	0.068	4.87E-163	0.004	0.005	0.420	0.023	740.366	TRUE	1.03E-145
PEF	GSDMB	rs117620922	G	A	0.288	0.029	0.026	2.46E-23	-0.003	0.010	0.722	0.003	99.048	TRUE	4.69E-21
PEF	GSDMB	rs117897189	T	C	0.237	0.040	0.014	3.34E-09	0.005	0.009	0.598	0.001	34.973	TRUE	3.68E-08
PEF	GSDMB	rs118034841	T	C	-0.764	0.034	0.021	2.31E-112	0.014	0.007	0.043	0.016	507.390	TRUE	4.12E-97
PEF	GSDMB	rs118132312	G	A	-0.551	0.044	0.016	6.63E-36	0.001	0.009	0.916	0.005	156.475	TRUE	8.05E-33
PEF	GSDMB	rs11868060	G	A	-0.490	0.029	0.027	1.52E-63	0.009	0.006	0.163	0.009	283.165	TRUE	2.28E-55
PEF	GSDMB	rs11871317	G	C	-0.325	0.010	0.243	8.62E-230	0.011	0.003	2.90E-04	0.032	1047.407	TRUE	1.99E-194
PEF	GSDMB	rs12449642	T	A	-0.411	0.010	0.202	0.00E+00	0.007	0.003	0.041	0.053	1778.099	TRUE	0.00E+00
PEF	GSDMB	rs12450323	T	G	0.522	0.009	0.215	0.00E+00	-0.006	0.003	0.071	0.092	3205.686	TRUE	0.00E+00
PEF	GSDMB	rs12450388	C	T	-0.112	0.009	0.426	2.77E-38	0.002	0.003	0.446	0.005	167.364	TRUE	5.93E-34

PEF	GSDMB	rs12453732	C	A	-0.271	0.008	0.428	1.07E-223	0.005	0.003	0.049	0.031	1019.370	TRUE	2.53E-195
PEF	GSDMB	rs12946162	T	C	-0.117	0.012	0.133	9.76E-21	0.006	0.004	0.114	0.003	87.204	TRUE	2.28E-17
PEF	GSDMB	rs12946335	T	C	-0.706	0.031	0.019	1.37E-111	-0.014	0.009	0.115	0.016	503.835	TRUE	1.32E-97
PEF	GSDMB	rs138174833	G	A	0.522	0.035	0.019	2.84E-50	-0.007	0.007	0.299	0.007	222.293	TRUE	2.96E-44
PEF	GSDMB	rs139240787	T	C	0.257	0.045	0.019	8.28E-09	-0.010	0.010	0.316	0.001	33.205	TRUE	1.75E-07
PEF	GSDMB	rs139444391	A	G	0.293	0.050	0.016	6.25E-09	-0.012	0.012	0.337	0.001	33.754	TRUE	1.28E-07
PEF	GSDMB	rs139818184	A	C	0.342	0.018	0.064	1.33E-78	-0.015	0.006	0.012	0.011	352.288	TRUE	2.54E-66
PEF	GSDMB	rs142899349	C	T	-1.043	0.058	0.019	6.68E-72	0.002	0.018	0.932	0.010	321.522	TRUE	1.32E-65
PEF	GSDMB	rs143521168	A	G	0.224	0.032	0.020	5.11E-12	-0.002	0.011	0.837	0.002	47.640	TRUE	5.97E-11
PEF	GSDMB	rs143700374	T	G	-0.492	0.064	0.013	1.28E-14	0.023	0.011	0.029	0.002	59.413	TRUE	1.58E-11
PEF	GSDMB	rs143706978	C	T	0.555	0.038	0.016	1.26E-48	0.010	0.009	0.272	0.007	214.750	TRUE	1.16E-42
PEF	GSDMB	rs144686502	G	A	0.195	0.032	0.018	9.10E-10	-0.002	0.009	0.857	0.001	37.506	TRUE	6.37E-09
PEF	GSDMB	rs145488738	A	G	0.293	0.039	0.017	9.77E-14	0.009	0.009	0.359	0.002	55.410	TRUE	7.19E-12
PEF	GSDMB	rs1467258	G	A	-0.144	0.012	0.134	1.50E-33	0.007	0.004	0.064	0.005	145.706	TRUE	3.35E-28
PEF	GSDMB	rs146767035	A	G	-0.516	0.027	0.028	1.11E-78	0.014	0.008	0.078	0.011	352.652	TRUE	5.41E-68
PEF	GSDMB	rs148116769	T	G	-0.431	0.049	0.021	1.73E-18	-0.006	0.009	0.545	0.002	76.968	TRUE	2.04E-16
PEF	GSDMB	rs148950224	C	T	0.484	0.050	0.015	1.69E-22	-0.016	0.011	0.144	0.003	95.228	TRUE	5.07E-19
PEF	GSDMB	rs150260796	G	A	0.337	0.023	0.039	1.07E-47	0.001	0.010	0.937	0.007	210.474	TRUE	1.36E-43
PEF	GSDMB	rs150391819	A	G	-0.398	0.059	0.015	1.58E-11	-0.008	0.012	0.497	0.001	45.430	TRUE	4.02E-10
PEF	GSDMB	rs150916518	T	C	-0.851	0.066	0.035	5.41E-38	-0.002	0.074	0.975	0.005	166.033	TRUE	8.32E-35
PEF	GSDMB	rs1558284	G	T	0.092	0.015	0.077	1.99E-09	-0.005	0.005	0.290	0.001	35.981	TRUE	5.61E-08
PEF	GSDMB	rs16508	A	G	-0.246	0.041	0.015	1.53E-09	0.017	0.011	0.123	0.001	36.499	TRUE	9.45E-08
PEF	GSDMB	rs16537	T	C	-0.148	0.014	0.126	6.25E-25	-0.003	0.004	0.455	0.003	106.322	TRUE	5.04E-22
PEF	GSDMB	rs16542	A	G	0.115	0.010	0.405	3.77E-30	-0.002	0.003	0.399	0.004	130.155	TRUE	1.47E-26
PEF	GSDMB	rs1733805	G	T	-0.084	0.012	0.119	5.13E-12	0.003	0.004	0.432	0.002	47.634	TRUE	1.89E-10
PEF	GSDMB	rs185550275	C	T	-0.232	0.036	0.018	8.49E-11	0.019	0.010	0.069	0.001	42.138	TRUE	1.33E-08
PEF	GSDMB	rs186413878	C	T	-0.794	0.096	0.021	1.85E-16	-0.023	0.021	0.275	0.002	67.752	TRUE	4.17E-14
PEF	GSDMB	rs1874224	G	T	-0.304	0.037	0.017	1.85E-16	-0.006	0.010	0.552	0.002	67.752	TRUE	1.34E-14
PEF	GSDMB	rs1989956	T	C	-0.148	0.015	0.077	3.62E-23	0.008	0.005	0.130	0.003	98.282	TRUE	1.53E-19
PEF	GSDMB	rs2071427	T	C	0.100	0.010	0.257	8.12E-25	0.000	0.003	0.930	0.003	105.802	TRUE	9.42E-23
PEF	GSDMB	rs2301775	G	A	-0.190	0.013	0.127	3.09E-50	-0.004	0.004	0.264	0.007	222.121	TRUE	4.33E-44
PEF	GSDMB	rs2517961	A	C	0.329	0.025	0.030	6.57E-41	-0.003	0.006	0.604	0.006	179.383	TRUE	1.03E-36
PEF	GSDMB	rs34473775	G	T	0.378	0.009	0.248	0.00E+00	-0.008	0.003	0.005	0.048	1598.167	TRUE	7.56E-302
PEF	GSDMB	rs34585058	A	G	-0.112	0.016	0.097	1.36E-12	-0.002	0.004	0.577	0.002	50.240	TRUE	3.64E-11
PEF	GSDMB	rs35797841	T	C	0.478	0.019	0.049	8.21E-138	-0.015	0.006	0.018	0.019	624.369	TRUE	1.44E-118
PEF	GSDMB	rs3744246	T	C	-0.732	0.009	0.195	0.00E+00	0.006	0.003	0.057	0.168	6416.153	TRUE	0.00E+00
PEF	GSDMB	rs4420582	A	C	-0.195	0.026	0.029	3.46E-14	-0.007	0.008	0.343	0.002	57.449	TRUE	3.01E-12
PEF	GSDMB	rs4795365	T	G	-0.205	0.019	0.058	3.46E-28	-0.008	0.005	0.132	0.004	121.191	TRUE	6.19E-24
PEF	GSDMB	rs482284	A	G	-0.114	0.009	0.287	7.64E-38	0.002	0.003	0.578	0.005	165.347	TRUE	6.93E-34
PEF	GSDMB	rs499490	A	C	-0.210	0.029	0.020	4.36E-13	0.005	0.011	0.654	0.002	52.472	TRUE	1.04E-11
PEF	GSDMB	rs506728	C	G	-0.122	0.010	0.200	7.12E-35	-0.001	0.003	0.696	0.005	151.758	TRUE	1.85E-31
PEF	GSDMB	rs537884	A	G	-0.145	0.011	0.146	3.29E-38	0.008	0.004	0.023	0.005	167.025	TRUE	1.20E-31

PEF	GSDMB	rs56320214	T	C	0.237	0.025	0.030	1.37E-21	0.004	0.007	0.500	0.003	91.090	TRUE	4.13E-19
PEF	GSDMB	rs62065218	T	C	0.407	0.048	0.017	1.57E-17	-0.001	0.011	0.926	0.002	72.620	TRUE	4.42E-16
PEF	GSDMB	rs62074972	A	G	-0.236	0.033	0.026	8.28E-13	0.014	0.008	0.079	0.002	51.211	TRUE	2.39E-10
PEF	GSDMB	rs62076655	T	C	0.224	0.022	0.036	3.35E-25	0.001	0.006	0.880	0.003	107.555	TRUE	5.20E-23
PEF	GSDMB	rs7213854	T	C	-0.083	0.011	0.161	1.26E-14	0.002	0.004	0.635	0.002	59.440	TRUE	4.52E-13
PEF	GSDMB	rs7214466	C	T	0.144	0.010	0.279	3.90E-49	-0.002	0.003	0.435	0.007	217.078	TRUE	1.16E-43
PEF	GSDMB	rs72819670	G	A	-0.293	0.036	0.017	2.01E-16	0.007	0.008	0.415	0.002	67.584	TRUE	2.41E-14
PEF	GSDMB	rs72819672	A	G	-0.255	0.018	0.052	1.93E-43	0.008	0.006	0.143	0.006	190.987	TRUE	1.91E-37
PEF	GSDMB	rs72823327	A	G	0.118	0.020	0.050	3.65E-09	0.004	0.005	0.488	0.001	34.801	TRUE	5.26E-08
PEF	GSDMB	rs72825121	C	T	-0.483	0.035	0.017	2.95E-42	0.003	0.008	0.677	0.006	185.558	TRUE	4.42E-38
PEF	GSDMB	rs72825152	T	C	-0.455	0.054	0.013	2.43E-17	0.025	0.012	0.042	0.002	71.753	TRUE	5.71E-14
PEF	GSDMB	rs72832915	A	G	-0.396	0.009	0.311	0.00E+00	0.000	0.003	0.907	0.060	2016.058	TRUE	0.00E+00
PEF	GSDMB	rs72832924	T	C	0.451	0.010	0.170	0.00E+00	0.006	0.003	0.085	0.056	1893.225	TRUE	0.00E+00
PEF	GSDMB	rs72832969	A	G	0.376	0.039	0.021	1.66E-21	-0.010	0.007	0.167	0.003	90.712	TRUE	2.94E-18
PEF	GSDMB	rs72832972	T	C	0.455	0.016	0.075	1.70E-184	-0.009	0.005	0.044	0.026	839.055	TRUE	8.31E-161
PEF	GSDMB	rs72836603	A	C	-0.324	0.033	0.020	4.73E-23	0.012	0.008	0.133	0.003	97.751	TRUE	1.87E-19
PEF	GSDMB	rs72836619	T	G	-0.412	0.023	0.037	1.25E-72	-0.002	0.006	0.786	0.010	324.865	TRUE	7.25E-66
PEF	GSDMB	rs7350954	G	A	0.203	0.033	0.017	1.00E-09	-0.004	0.009	0.658	0.001	37.320	TRUE	1.10E-08
PEF	GSDMB	rs75049293	G	T	0.335	0.034	0.016	2.84E-23	-0.003	0.011	0.793	0.003	98.761	TRUE	4.15E-21
PEF	GSDMB	rs75117355	T	C	-0.090	0.016	0.070	8.92E-09	0.007	0.005	0.137	0.001	33.061	TRUE	3.98E-07
PEF	GSDMB	rs75248071	A	C	-0.109	0.015	0.092	2.37E-13	0.012	0.004	0.003	0.002	53.670	TRUE	7.57E-10
PEF	GSDMB	rs75443266	A	G	-0.202	0.034	0.017	3.92E-09	-0.004	0.011	0.735	0.001	34.662	TRUE	3.10E-08
PEF	GSDMB	rs75619512	C	T	-0.593	0.052	0.016	5.47E-30	0.011	0.009	0.244	0.004	129.419	TRUE	5.51E-26
PEF	GSDMB	rs75646943	T	C	-0.406	0.028	0.026	7.58E-49	0.002	0.009	0.796	0.007	215.754	TRUE	2.49E-44
PEF	GSDMB	rs75905358	C	G	0.299	0.010	0.210	3.78E-209	-0.006	0.003	0.069	0.029	952.447	TRUE	3.98E-183
PEF	GSDMB	rs76195330	T	C	-0.211	0.034	0.016	8.20E-10	-0.014	0.012	0.232	0.001	37.710	TRUE	3.20E-08
PEF	GSDMB	rs76555104	A	G	-0.838	0.036	0.017	1.17E-118	-0.010	0.009	0.269	0.017	536.325	TRUE	3.45E-105
PEF	GSDMB	rs77107066	T	C	-0.102	0.013	0.131	7.24E-16	0.001	0.004	0.894	0.002	65.062	TRUE	1.63E-14
PEF	GSDMB	rs78581969	T	C	0.121	0.014	0.087	1.58E-17	-0.002	0.004	0.649	0.002	72.603	TRUE	1.05E-15
PEF	GSDMB	rs79026242	A	C	0.172	0.031	0.021	3.08E-08	0.001	0.009	0.928	0.001	30.652	TRUE	1.35E-07
PEF	GSDMB	rs79208875	T	C	-0.408	0.020	0.050	1.44E-91	0.001	0.005	0.911	0.013	411.836	TRUE	2.12E-83
PEF	GSDMB	rs79730542	C	T	-0.260	0.029	0.023	1.45E-19	-0.006	0.008	0.468	0.003	81.876	TRUE	3.08E-17
PEF	GSDMB	rs79873275	C	T	0.635	0.025	0.037	8.77E-138	0.003	0.006	0.639	0.019	624.240	TRUE	3.59E-124
PEF	GSDMB	rs8064425	C	T	0.106	0.009	0.322	1.80E-35	-0.005	0.003	0.088	0.005	154.490	TRUE	4.59E-30
PEF	GSDMB	rs8065040	G	A	0.072	0.008	0.449	2.20E-19	0.000	0.003	0.973	0.003	81.045	TRUE	7.91E-18
PEF	GSDMB	rs8071312	A	G	-0.170	0.025	0.031	6.03E-12	0.011	0.006	0.074	0.001	47.318	TRUE	1.33E-09
PEF	GSDMB	rs8074753	A	G	0.057	0.010	0.512	2.28E-08	-0.007	0.003	0.010	0.001	31.239	TRUE	4.34E-06
PEF	GSK3B	rs114155753	T	C	0.296	0.021	0.042	1.73E-45	0.004	0.007	0.530	0.006	200.362	TRUE	1.19E-40
PEF	GSK3B	rs114321176	T	C	0.189	0.034	0.016	4.39E-08	0.003	0.010	0.777	0.001	29.969	TRUE	2.52E-07
PEF	GSK3B	rs114688189	A	G	-0.202	0.035	0.015	1.06E-08	0.001	0.009	0.900	0.001	32.723	TRUE	5.36E-08
PEF	GSK3B	rs1259322	G	C	0.109	0.014	0.093	1.67E-15	0.011	0.004	0.010	0.002	63.422	TRUE	6.09E-12
PEF	GSK3B	rs12632325	C	G	0.249	0.010	0.206	4.74E-142	0.003	0.003	0.422	0.020	643.859	TRUE	5.38E-127

PEF	GSK3B	rs12636534	A	G	0.150	0.011	0.147	3.35E-39	-0.004	0.004	0.269	0.005	171.568	TRUE	2.93E-34
PEF	GSK3B	rs13077863	G	A	0.065	0.011	0.154	9.77E-09	0.004	0.004	0.213	0.001	32.884	TRUE	3.01E-07
PEF	GSK3B	rs1357459	C	T	0.050	0.009	0.308	1.92E-08	0.000	0.003	0.917	0.001	31.573	TRUE	9.07E-08
PEF	GSK3B	rs143581696	A	C	0.224	0.027	0.026	6.92E-17	-0.001	0.008	0.948	0.002	69.691	TRUE	1.62E-15
PEF	GSK3B	rs148919020	G	A	-0.191	0.029	0.024	7.32E-11	-0.012	0.009	0.213	0.001	42.430	TRUE	4.35E-09
PEF	GSK3B	rs1523130	T	C	0.055	0.008	0.396	2.05E-11	0.002	0.003	0.465	0.001	44.917	TRUE	5.62E-10
PEF	GSK3B	rs16829957	A	G	0.053	0.008	0.324	5.80E-10	0.002	0.003	0.525	0.001	38.385	TRUE	9.15E-09
PEF	GSK3B	rs187489241	G	A	-0.111	0.014	0.108	6.98E-16	0.006	0.004	0.091	0.002	65.134	TRUE	4.92E-13
PEF	GSK3B	rs192958568	C	T	-0.199	0.030	0.021	6.67E-11	-0.010	0.010	0.307	0.001	42.612	TRUE	2.68E-09
PEF	GSK3B	rs28748088	C	A	0.147	0.013	0.101	7.36E-29	0.000	0.004	0.970	0.004	124.261	TRUE	1.67E-26
PEF	GSK3B	rs378759	A	G	0.103	0.015	0.080	1.84E-12	-0.009	0.005	0.062	0.002	49.649	TRUE	5.56E-10
PEF	GSK3B	rs4676777	G	C	-0.138	0.008	0.350	3.87E-62	-0.011	0.003	2.72E-05	0.009	276.712	TRUE	9.97E-49
PEF	GSK3B	rs4676818	C	G	0.057	0.010	0.182	3.84E-08	0.003	0.003	0.405	0.001	30.226	TRUE	5.23E-07
PEF	GSK3B	rs4688030	C	G	0.103	0.008	0.344	8.24E-35	-0.002	0.003	0.558	0.005	151.468	TRUE	4.25E-31
PEF	GSK3B	rs6438550	G	A	0.155	0.017	0.061	1.58E-20	0.013	0.006	0.034	0.003	86.250	TRUE	1.34E-16
PEF	GSK3B	rs67369522	T	C	-0.273	0.021	0.042	3.87E-39	-0.020	0.007	0.005	0.005	171.280	TRUE	1.18E-31
PEF	GSK3B	rs6765483	T	A	0.303	0.009	0.260	6.31E-253	0.007	0.003	0.020	0.035	1153.845	TRUE	1.22E-219
PEF	GSK3B	rs6772249	T	C	0.413	0.024	0.031	4.26E-66	0.004	0.007	0.573	0.009	294.880	TRUE	2.33E-59
PEF	GSK3B	rs73192055	A	G	-0.178	0.028	0.025	1.46E-10	0.020	0.009	0.023	0.001	41.073	TRUE	4.44E-08
PEF	GSK3B	rs74840836	T	C	0.171	0.028	0.022	1.32E-09	-0.006	0.010	0.560	0.001	36.779	TRUE	1.77E-08
PEF	GSK3B	rs749768	T	C	-0.156	0.009	0.308	1.11E-73	-0.006	0.003	0.024	0.010	329.698	TRUE	1.78E-62
PEF	GSK3B	rs787200	T	A	0.171	0.012	0.118	9.13E-44	-0.001	0.004	0.882	0.006	192.471	TRUE	6.78E-40
PEF	GSK3B	rs79098551	G	T	0.140	0.024	0.032	1.12E-08	0.012	0.009	0.191	0.001	32.623	TRUE	3.62E-07
PEF	GSTP1	rs147391285	A	T	-0.298	0.035	0.058	1.64E-17	0.013	0.006	0.024	0.002	72.535	TRUE	6.87E-14
PEF	GUSB	rs10263623	C	T	0.140	0.015	0.082	6.32E-22	0.001	0.004	0.811	0.003	92.619	TRUE	6.53E-20
PEF	GUSB	rs112385222	G	A	-0.129	0.017	0.066	3.51E-14	-0.005	0.005	0.279	0.002	57.420	TRUE	4.01E-12
PEF	GUSB	rs117445779	G	A	-0.557	0.034	0.017	5.93E-61	0.005	0.009	0.570	0.008	271.277	TRUE	1.04E-54
PEF	GUSB	rs11762103	A	G	-0.070	0.009	0.309	8.31E-16	0.005	0.003	0.068	0.002	64.792	TRUE	7.34E-13
PEF	GUSB	rs13236460	A	G	-0.095	0.014	0.133	6.18E-11	-0.002	0.004	0.619	0.001	42.759	TRUE	9.63E-10
PEF	GUSB	rs139482650	A	G	0.779	0.110	0.013	1.22E-12	-0.029	0.017	0.079	0.002	50.453	TRUE	3.25E-10
PEF	GUSB	rs189896130	C	T	0.321	0.025	0.039	3.74E-39	-0.019	0.012	0.121	0.005	171.348	TRUE	1.55E-33
PEF	GUSB	rs3813708	A	C	0.435	0.013	0.109	1.76E-239	-0.009	0.004	0.032	0.033	1091.981	TRUE	1.48E-208
PEF	GUSB	rs4717276	T	G	-0.128	0.008	0.461	2.67E-58	-0.002	0.003	0.534	0.008	259.102	TRUE	3.61E-52
PEF	HSP90AA1	rs111517520	C	T	-0.188	0.020	0.040	1.70E-20	0.016	0.007	0.017	0.003	86.102	TRUE	2.74E-16
PEF	HSP90AA1	rs11160668	G	A	-0.097	0.008	0.478	1.36E-32	0.003	0.003	0.282	0.004	141.330	TRUE	2.05E-28
PEF	HSP90AA1	rs111846936	T	G	-0.159	0.018	0.064	1.73E-18	0.007	0.005	0.147	0.002	76.975	TRUE	1.55E-15
PEF	HSP90AA1	rs1190606	G	A	-0.100	0.014	0.097	1.75E-12	0.008	0.004	0.040	0.002	49.747	TRUE	7.53E-10
PEF	HSP90AA1	rs12435118	C	T	0.090	0.009	0.371	1.65E-23	-0.002	0.003	0.402	0.003	99.834	TRUE	1.25E-20
PEF	HSP90AA1	rs12893074	A	G	-0.196	0.023	0.037	5.26E-17	0.001	0.008	0.858	0.002	70.234	TRUE	1.63E-15
PEF	HSP90AA1	rs12894354	T	C	0.057	0.009	0.368	1.79E-10	0.001	0.003	0.791	0.001	40.684	TRUE	1.69E-09
PEF	HSP90AA1	rs145916482	A	G	-0.252	0.039	0.015	1.48E-10	0.021	0.011	0.061	0.001	41.049	TRUE	2.27E-08
PEF	HSP90AA1	rs2403017	G	A	-0.277	0.011	0.174	3.95E-139	0.013	0.004	1.46E-04	0.020	630.437	TRUE	1.49E-115

PEF	HSP90AA1	rs2476522	C	T	-0.062	0.010	0.202	2.67E-10	-0.001	0.003	0.686	0.001	39.900	TRUE	3.07E-09
PEF	HSP90AA1	rs2749901	G	A	-0.093	0.010	0.189	3.25E-19	0.002	0.003	0.500	0.003	80.276	TRUE	5.67E-17
PEF	HSP90AA1	rs35570544	G	A	-0.151	0.021	0.041	4.06E-13	0.001	0.006	0.839	0.002	52.611	TRUE	5.87E-12
PEF	HSP90AA1	rs62006410	T	C	-0.065	0.011	0.199	1.35E-09	-0.001	0.003	0.878	0.001	36.733	TRUE	8.72E-09
PEF	HSP90AA1	rs7159203	T	C	-0.086	0.016	0.069	4.67E-08	0.003	0.005	0.495	0.001	29.849	TRUE	4.94E-07
PEF	HSP90AA1	rs77011345	C	T	-0.326	0.036	0.017	1.22E-19	0.012	0.011	0.253	0.003	82.213	TRUE	7.20E-17
PEF	HSP90AA1	rs79110992	G	T	-0.200	0.015	0.082	7.62E-39	0.010	0.005	0.038	0.005	169.931	TRUE	1.91E-32
PEF	HSPA8	rs11218941	G	A	0.112	0.010	0.200	1.89E-29	-0.008	0.003	0.013	0.004	126.955	TRUE	7.92E-24
PEF	HSPA8	rs11218958	G	A	0.261	0.031	0.022	1.38E-17	0.017	0.009	0.076	0.002	72.866	TRUE	1.94E-14
PEF	HTT	rs28652828	G	A	-0.170	0.027	0.030	3.72E-10	-0.006	0.008	0.452	0.001	39.250	TRUE	7.51E-09
PEF	HTT	rs67950027	C	A	0.097	0.010	0.326	2.72E-20	0.010	0.003	2.99E-04	0.003	85.176	TRUE	7.46E-15
PEF	ICAM1	rs10420549	C	T	-0.056	0.009	0.456	6.00E-10	-0.005	0.003	0.032	0.001	38.319	TRUE	1.18E-07
PEF	ICAM1	rs118115488	T	C	0.123	0.017	0.058	4.98E-13	0.002	0.005	0.606	0.002	52.209	TRUE	1.33E-11
PEF	ICAM1	rs12720354	A	T	0.118	0.015	0.078	2.55E-15	0.010	0.005	0.037	0.002	62.587	TRUE	3.45E-12
PEF	ICAM1	rs12974306	G	T	0.062	0.009	0.497	4.54E-13	0.009	0.003	3.24E-04	0.002	52.391	TRUE	4.36E-09
PEF	ICAM1	rs141453190	T	C	-0.156	0.028	0.026	2.44E-08	-0.017	0.007	0.021	0.001	31.110	TRUE	3.03E-06
PEF	ICAM1	rs280497	G	A	0.070	0.008	0.514	1.70E-18	0.005	0.003	0.075	0.002	77.010	TRUE	3.45E-15
PEF	ICAM1	rs281437	T	C	0.182	0.010	0.243	2.88E-74	0.008	0.003	0.005	0.010	332.384	TRUE	8.09E-62
PEF	ICAM1	rs281440	G	A	-0.088	0.011	0.238	1.33E-16	-0.004	0.003	0.169	0.002	68.399	TRUE	5.50E-14
PEF	ICAM1	rs35193259	G	A	-0.102	0.011	0.189	6.85E-21	-0.004	0.003	0.277	0.003	87.904	TRUE	5.07E-18
PEF	ICAM1	rs5030397	T	G	0.167	0.029	0.028	1.14E-08	0.009	0.008	0.261	0.001	32.586	TRUE	2.81E-07
PEF	IFNGR2	rs1023146	T	C	0.230	0.039	0.016	2.65E-09	-0.017	0.010	0.067	0.001	35.422	TRUE	2.42E-07
PEF	IFNGR2	rs10470090	T	G	0.477	0.011	0.138	0.00E+00	-0.013	0.004	6.29E-04	0.054	1807.603	TRUE	0.00E+00
PEF	IFNGR2	rs10775653	C	G	0.166	0.008	0.378	2.82E-92	-0.005	0.003	0.075	0.013	415.090	TRUE	5.02E-80
PEF	IFNGR2	rs115329960	A	C	0.695	0.040	0.014	4.20E-68	-0.009	0.010	0.393	0.010	304.086	TRUE	1.50E-60
PEF	IFNGR2	rs11702679	G	A	-0.119	0.019	0.047	2.95E-10	0.029	0.005	1.33E-07	0.001	39.705	TRUE	6.82E-06
PEF	IFNGR2	rs117038590	T	G	-0.100	0.015	0.076	3.25E-11	0.008	0.005	0.106	0.001	44.018	TRUE	4.18E-09
PEF	IFNGR2	rs118032403	G	A	0.623	0.050	0.015	4.70E-35	-0.029	0.010	0.003	0.005	152.582	TRUE	5.92E-28
PEF	IFNGR2	rs11910140	A	G	0.138	0.019	0.046	1.29E-12	-0.008	0.007	0.206	0.002	50.336	TRUE	1.33E-10
PEF	IFNGR2	rs121913193	T	C	-0.304	0.037	0.038	1.93E-16	0.028	0.013	0.028	0.002	67.666	TRUE	4.74E-13
PEF	IFNGR2	rs12482134	A	G	0.082	0.013	0.112	1.03E-10	-0.002	0.004	0.698	0.001	41.758	TRUE	1.29E-09
PEF	IFNGR2	rs13052859	G	A	-0.178	0.024	0.035	4.49E-14	0.014	0.007	0.042	0.002	56.938	TRUE	3.34E-11
PEF	IFNGR2	rs145851224	T	C	0.393	0.062	0.018	2.35E-10	0.013	0.018	0.472	0.001	40.147	TRUE	4.81E-09
PEF	IFNGR2	rs148454435	T	C	-0.179	0.025	0.026	1.19E-12	0.005	0.008	0.541	0.002	50.493	TRUE	3.57E-11
PEF	IFNGR2	rs17860208	G	A	0.141	0.021	0.039	3.79E-11	0.009	0.006	0.089	0.001	43.716	TRUE	5.34E-09
PEF	IFNGR2	rs17879705	T	C	0.196	0.030	0.021	8.41E-11	0.002	0.007	0.758	0.001	42.156	TRUE	9.09E-10
PEF	IFNGR2	rs185329119	G	A	-0.323	0.031	0.020	7.25E-25	-0.019	0.011	0.079	0.003	106.025	TRUE	9.61E-21
PEF	IFNGR2	rs2073369	G	A	0.105	0.014	0.095	6.83E-15	-0.004	0.005	0.470	0.002	60.643	TRUE	4.52E-13
PEF	IFNGR2	rs2154703	T	C	0.045	0.008	0.466	1.70E-08	-0.007	0.003	0.010	0.001	31.810	TRUE	3.32E-06
PEF	IFNGR2	rs2248321	G	A	0.144	0.008	0.318	2.07E-64	-0.001	0.003	0.633	0.009	287.143	TRUE	5.42E-58
PEF	IFNGR2	rs2268255	A	C	-0.056	0.010	0.234	4.24E-09	-0.002	0.003	0.444	0.001	34.509	TRUE	6.45E-08
PEF	IFNGR2	rs2282468	A	G	-0.078	0.009	0.254	1.75E-17	0.003	0.003	0.318	0.002	72.398	TRUE	4.15E-15

PEF	IFNGR2	rs2284569	C	G	0.224	0.014	0.096	7.94E-62	-0.008	0.005	0.102	0.009	275.283	TRUE	2.20E-53
PEF	IFNGR2	rs2285020	A	G	-0.084	0.008	0.438	6.22E-25	0.002	0.003	0.338	0.003	106.331	TRUE	8.35E-22
PEF	IFNGR2	rs2834249	G	A	-0.100	0.009	0.321	3.95E-32	0.008	0.003	0.005	0.004	139.208	TRUE	1.09E-25
PEF	IFNGR2	rs2834302	A	G	0.053	0.008	0.330	2.52E-10	-0.009	0.003	5.04E-04	0.001	40.016	TRUE	4.32E-07
PEF	IFNGR2	rs2834325	A	G	-0.053	0.009	0.317	5.32E-10	0.005	0.003	0.064	0.001	38.554	TRUE	6.50E-08
PEF	IFNGR2	rs2834404	G	C	-0.062	0.008	0.333	1.54E-13	0.004	0.003	0.146	0.002	54.514	TRUE	3.13E-11
PEF	IFNGR2	rs28385662	A	G	-0.261	0.024	0.030	1.85E-26	0.005	0.007	0.469	0.004	113.301	TRUE	2.05E-23
PEF	IFNGR2	rs3171425	A	G	-0.060	0.008	0.405	1.01E-13	0.005	0.003	0.045	0.002	55.344	TRUE	6.24E-11
PEF	IFNGR2	rs57202190	G	A	-0.338	0.011	0.151	3.77E-208	0.005	0.004	0.201	0.029	947.857	TRUE	2.87E-184
PEF	IFNGR2	rs61481573	A	G	0.553	0.023	0.034	4.48E-133	-0.022	0.006	4.47E-04	0.019	602.596	TRUE	4.13E-111
PEF	IFNGR2	rs62226459	A	G	-0.292	0.024	0.030	1.98E-34	0.014	0.007	0.066	0.005	149.726	TRUE	5.81E-29
PEF	IFNGR2	rs62227752	G	A	-0.300	0.019	0.054	1.00E-53	-0.003	0.006	0.631	0.007	238.126	TRUE	2.51E-48
PEF	IFNGR2	rs62228028	A	G	-0.121	0.017	0.072	2.75E-13	0.004	0.005	0.435	0.002	53.377	TRUE	1.34E-11
PEF	IFNGR2	rs7280413	A	G	-0.070	0.008	0.336	9.91E-17	0.006	0.003	0.031	0.002	68.982	TRUE	2.42E-13
PEF	IFNGR2	rs73195845	C	A	-0.215	0.018	0.055	4.03E-33	0.008	0.006	0.153	0.005	143.741	TRUE	2.11E-28
PEF	IFNGR2	rs73203605	A	G	0.141	0.026	0.026	4.40E-08	-0.017	0.009	0.048	0.001	29.960	TRUE	3.09E-06
PEF	IFNGR2	rs73205634	A	C	0.249	0.024	0.029	8.07E-26	-0.015	0.008	0.040	0.003	110.378	TRUE	3.27E-21
PEF	IFNGR2	rs743312	A	G	-0.108	0.011	0.139	7.97E-21	-0.006	0.004	0.070	0.003	87.604	TRUE	3.66E-17
PEF	IFNGR2	rs75101644	T	C	-0.270	0.028	0.025	5.19E-22	0.004	0.006	0.578	0.003	93.008	TRUE	1.23E-19
PEF	IFNGR2	rs76547762	T	C	-0.297	0.025	0.034	1.87E-33	0.014	0.007	0.047	0.005	145.266	TRUE	6.93E-28
PEF	IFNGR2	rs77342035	G	A	0.218	0.031	0.022	2.17E-12	-0.006	0.012	0.630	0.002	49.325	TRUE	4.72E-11
PEF	IFNGR2	rs79178050	G	A	0.647	0.022	0.036	5.74E-196	-0.005	0.006	0.400	0.027	891.815	TRUE	5.11E-175
PEF	IFNGR2	rs79328878	T	G	-0.233	0.024	0.032	5.19E-23	0.011	0.007	0.144	0.003	97.569	TRUE	1.76E-19
PEF	IFNGR2	rs79560822	G	A	-0.075	0.011	0.167	7.11E-12	-0.001	0.003	0.784	0.001	46.994	TRUE	9.17E-11
PEF	IFNGR2	rs8178474	G	A	0.122	0.014	0.098	7.29E-18	0.003	0.004	0.472	0.002	74.132	TRUE	9.85E-16
PEF	IFNGR2	rs8178528	G	A	-0.134	0.008	0.511	4.70E-62	0.003	0.003	0.211	0.009	276.327	TRUE	2.75E-54
PEF	IFNGR2	rs9305529	C	T	0.340	0.008	0.461	0.00E+00	-0.011	0.003	1.83E-05	0.057	1926.305	TRUE	0.00E+00
PEF	IFNGR2	rs9984273	C	T	-0.061	0.009	0.312	2.13E-12	-0.001	0.003	0.601	0.002	49.353	TRUE	4.99E-11
PEF	IL10	rs1518111	T	C	-0.199	0.009	0.228	4.60E-98	-0.008	0.003	0.010	0.014	441.680	TRUE	3.74E-83
PEF	IL10	rs17016480	A	C	-0.082	0.014	0.095	1.86E-09	-0.004	0.004	0.371	0.001	36.118	TRUE	3.94E-08
PEF	IL10	rs17351229	T	C	-0.734	0.127	0.014	7.65E-09	-0.010	0.012	0.435	0.001	33.360	TRUE	1.16E-07
PEF	IL10	rs3024492	A	T	0.112	0.009	0.249	1.55E-33	0.002	0.003	0.385	0.005	145.636	TRUE	1.43E-29
PEF	IL10	rs77913112	A	G	-0.182	0.026	0.027	1.29E-12	-0.014	0.009	0.126	0.002	50.342	TRUE	2.28E-10
PEF	IL10	rs880790	C	T	-0.078	0.009	0.241	6.21E-17	0.003	0.003	0.393	0.002	69.905	TRUE	9.37E-15
PEF	IL4R	rs11074848	A	G	0.077	0.011	0.150	9.69E-12	0.002	0.004	0.595	0.001	46.387	TRUE	2.03E-10
PEF	IL4R	rs1110470	A	G	0.231	0.008	0.476	3.05E-189	-0.007	0.003	0.007	0.026	860.879	TRUE	1.64E-162
PEF	IL4R	rs113108794	A	C	0.213	0.024	0.036	8.75E-19	0.002	0.007	0.800	0.002	78.318	TRUE	4.81E-17
PEF	IL4R	rs113509770	T	C	0.161	0.028	0.025	1.02E-08	0.005	0.008	0.528	0.001	32.801	TRUE	1.18E-07
PEF	IL4R	rs12448874	G	A	-0.064	0.009	0.256	3.73E-12	-0.001	0.003	0.801	0.002	48.260	TRUE	5.05E-11
PEF	IL4R	rs143202512	C	T	-0.189	0.031	0.022	1.08E-09	0.001	0.008	0.943	0.001	37.171	TRUE	6.19E-09
PEF	IL4R	rs151293024	G	A	-0.187	0.032	0.018	5.73E-09	-0.012	0.009	0.186	0.001	33.922	TRUE	2.11E-07
PEF	IL4R	rs17548726	A	G	0.179	0.031	0.023	8.93E-09	-0.003	0.009	0.720	0.001	33.058	TRUE	6.79E-08

PEF	IL4R	rs3024655	A	G	0.151	0.016	0.069	2.49E-21	0.012	0.005	0.029	0.003	89.902	TRUE	3.30E-17
PEF	IL4R	rs3024690	T	C	0.150	0.025	0.030	1.37E-09	-0.004	0.009	0.634	0.001	36.709	TRUE	1.52E-08
PEF	IL4R	rs4490008	C	T	0.072	0.012	0.216	3.90E-09	0.000	0.003	0.932	0.001	34.671	TRUE	2.05E-08
PEF	IL4R	rs4787947	G	T	-0.159	0.014	0.095	1.47E-31	0.004	0.004	0.386	0.004	136.602	TRUE	8.46E-28
PEF	IL4R	rs56025418	G	A	0.057	0.009	0.325	2.77E-11	-0.003	0.003	0.344	0.001	44.331	TRUE	1.12E-09
PEF	IL4R	rs6498015	A	G	0.088	0.012	0.125	3.07E-13	-0.005	0.004	0.231	0.002	53.158	TRUE	3.48E-11
PEF	IL4R	rs72782369	T	A	-0.109	0.014	0.111	4.43E-15	0.002	0.004	0.734	0.002	61.494	TRUE	1.35E-13
PEF	IL4R	rs72782398	T	C	0.120	0.021	0.044	1.21E-08	-0.006	0.006	0.306	0.001	32.476	TRUE	2.56E-07
PEF	IL4R	rs76320907	T	C	-0.173	0.028	0.025	7.39E-10	0.015	0.008	0.060	0.001	37.911	TRUE	9.22E-08
PEF	IL4R	rs78515451	A	G	-0.191	0.030	0.024	1.27E-10	0.016	0.009	0.057	0.001	41.350	TRUE	2.10E-08
PEF	IL4R	rs9926551	C	T	0.089	0.008	0.442	2.91E-28	-0.002	0.003	0.402	0.004	121.534	TRUE	7.02E-25
PEF	IL6R	rs10908839	C	G	0.112	0.009	0.249	4.09E-34	0.008	0.003	0.010	0.005	148.285	TRUE	1.27E-27
PEF	IL6R	rs146563764	A	G	0.121	0.022	0.038	3.45E-08	0.021	0.010	0.038	0.001	30.435	TRUE	2.93E-06
PEF	IL6R	rs4845626	T	G	-0.089	0.010	0.177	1.12E-17	0.001	0.003	0.837	0.002	73.292	TRUE	4.28E-16
PEF	IL6R	rs57569414	A	C	-0.067	0.012	0.124	2.79E-08	-0.004	0.004	0.341	0.001	30.849	TRUE	4.66E-07
PEF	IL6R	rs58229059	A	G	-0.309	0.042	0.019	1.15E-13	0.010	0.014	0.452	0.002	55.091	TRUE	5.91E-12
PEF	IL6R	rs79480105	A	G	0.134	0.021	0.039	3.67E-10	0.003	0.006	0.632	0.001	39.280	TRUE	4.65E-09
PEF	ITPR1	rs1018011	G	T	0.163	0.014	0.094	2.18E-33	0.005	0.004	0.215	0.005	144.962	TRUE	6.89E-29
PEF	ITPR1	rs1038639	T	G	-0.187	0.008	0.427	1.25E-121	0.008	0.003	0.003	0.017	549.980	TRUE	9.87E-103
PEF	ITPR1	rs113651617	C	T	0.068	0.011	0.158	3.84E-10	0.001	0.003	0.733	0.001	39.188	TRUE	3.72E-09
PEF	ITPR1	rs115729335	T	C	-0.399	0.040	0.016	4.04E-23	0.007	0.012	0.579	0.003	98.063	TRUE	1.26E-20
PEF	ITPR1	rs177440	C	T	-0.093	0.012	0.145	1.05E-15	0.000	0.003	0.975	0.002	64.326	TRUE	1.79E-14
PEF	ITPR1	rs2053500	C	T	0.080	0.013	0.107	1.01E-09	-0.006	0.004	0.118	0.001	37.310	TRUE	7.12E-08
PEF	ITPR1	rs2291597	A	G	0.105	0.015	0.080	6.02E-13	-0.010	0.005	0.071	0.002	51.837	TRUE	1.97E-10
PEF	ITPR1	rs2322800	A	G	-0.419	0.014	0.083	2.34E-191	0.010	0.005	0.049	0.027	870.610	TRUE	6.36E-167
PEF	ITPR1	rs304007	G	T	-0.074	0.012	0.121	1.38E-09	0.004	0.004	0.311	0.001	36.697	TRUE	3.66E-08
PEF	ITPR1	rs35508055	C	T	0.162	0.028	0.023	5.58E-09	-0.006	0.007	0.355	0.001	33.973	TRUE	1.08E-07
PEF	ITPR1	rs4685835	A	G	-0.127	0.013	0.097	2.22E-21	0.002	0.005	0.732	0.003	90.131	TRUE	2.69E-19
PEF	ITPR1	rs6792272	G	A	0.055	0.010	0.203	2.64E-08	0.007	0.003	0.022	0.001	30.956	TRUE	3.36E-06
PEF	ITPR1	rs698213	C	T	-0.140	0.013	0.111	3.65E-27	-0.002	0.004	0.596	0.004	116.518	TRUE	2.75E-24
PEF	ITPR1	rs73005403	G	A	-0.086	0.014	0.088	1.34E-09	-0.002	0.004	0.626	0.001	36.751	TRUE	1.52E-08
PEF	ITPR1	rs80078284	C	T	0.139	0.022	0.039	2.60E-10	0.005	0.006	0.474	0.001	39.953	TRUE	5.19E-09
PEF	ITPR1	rs813811	G	A	0.076	0.008	0.332	2.11E-19	-0.005	0.003	0.083	0.003	81.125	TRUE	4.99E-16
PEF	ITPRIP	rs117417428	T	C	-0.168	0.030	0.023	3.81E-08	-0.022	0.007	0.001	0.001	30.241	TRUE	1.50E-05
PEF	ITPRIP	rs11813268	T	C	0.065	0.011	0.172	1.31E-09	-0.006	0.004	0.115	0.001	36.794	TRUE	8.87E-08
PEF	ITPRIP	rs12570506	A	T	0.070	0.011	0.167	1.01E-10	-0.006	0.003	0.073	0.001	41.806	TRUE	1.39E-08
PEF	ITPRIP	rs34970111	T	C	0.180	0.008	0.452	5.70E-107	-0.005	0.003	0.036	0.015	482.607	TRUE	4.03E-92
PEF	ITPRIP	rs35691152	A	C	-0.081	0.012	0.122	6.92E-11	0.016	0.004	2.19E-05	0.001	42.539	TRUE	5.89E-07
PEF	ITPRIP	rs607069	A	T	0.093	0.009	0.264	9.84E-25	-0.002	0.003	0.466	0.003	105.421	TRUE	7.18E-22
PEF	ITPRIP	rs72823923	G	T	-0.139	0.017	0.076	1.54E-16	0.006	0.005	0.268	0.002	68.111	TRUE	3.71E-14
PEF	ITPRIP	rs77945265	G	A	-0.137	0.018	0.054	2.68E-14	0.013	0.006	0.018	0.002	57.951	TRUE	4.06E-11
PEF	JMY	rs10942892	A	G	0.117	0.019	0.057	6.93E-10	0.010	0.006	0.060	0.001	38.037	TRUE	8.65E-08

PEF	JMY	rs113903635	T	C	0.111	0.016	0.087	9.37E-13	0.002	0.005	0.706	0.002	50.968	TRUE	1.79E-11
PEF	JMY	rs114038837	A	G	-0.214	0.033	0.019	4.76E-11	-0.002	0.009	0.802	0.001	43.273	TRUE	4.94E-10
PEF	JMY	rs114062084	A	G	-0.270	0.037	0.018	3.34E-13	0.001	0.011	0.900	0.002	52.995	TRUE	4.22E-12
PEF	JMY	rs114099443	C	A	0.215	0.029	0.028	1.38E-13	0.016	0.007	0.029	0.002	54.736	TRUE	1.18E-10
PEF	JMY	rs114725025	T	G	0.194	0.021	0.052	1.39E-19	0.017	0.005	0.001	0.003	81.956	TRUE	1.19E-14
PEF	JMY	rs116236157	T	G	0.215	0.032	0.023	1.70E-11	0.021	0.007	0.005	0.001	45.287	TRUE	1.82E-08
PEF	JMY	rs13354432	G	A	-0.123	0.018	0.065	1.41E-11	-0.012	0.005	0.027	0.001	45.654	TRUE	5.86E-09
PEF	JMY	rs137974590	C	T	0.269	0.025	0.038	5.24E-26	0.008	0.006	0.161	0.003	111.232	TRUE	3.67E-22
PEF	JMY	rs142849150	T	C	-0.174	0.014	0.112	6.96E-36	-0.003	0.004	0.513	0.005	156.381	TRUE	5.76E-32
PEF	JMY	rs142917631	A	C	0.195	0.029	0.030	2.82E-11	0.002	0.007	0.751	0.001	44.297	TRUE	3.48E-10
PEF	JMY	rs2052550	T	C	0.075	0.011	0.234	1.20E-12	-0.001	0.003	0.863	0.002	50.478	TRUE	1.50E-11
PEF	JMY	rs2364596	T	C	0.334	0.009	0.372	0.00E+00	0.013	0.003	1.11E-06	0.043	1440.428	TRUE	7.10E-263
PEF	JMY	rs3797546	C	T	0.190	0.020	0.052	8.01E-22	0.022	0.007	7.66E-04	0.003	92.151	TRUE	2.38E-16
PEF	JMY	rs4703779	G	A	0.068	0.009	0.496	3.49E-14	0.004	0.003	0.105	0.002	57.432	TRUE	1.18E-11
PEF	JMY	rs4704542	C	T	0.090	0.013	0.136	2.72E-12	0.004	0.003	0.296	0.002	48.879	TRUE	1.74E-10
PEF	JMY	rs62363103	C	T	-0.148	0.011	0.205	1.34E-41	-0.007	0.003	0.026	0.006	182.551	TRUE	1.26E-34
PEF	JMY	rs62363106	C	T	-0.231	0.036	0.019	1.35E-10	-0.014	0.009	0.096	0.001	41.239	TRUE	1.51E-08
PEF	JMY	rs62377917	T	C	-0.097	0.011	0.179	1.63E-17	-0.003	0.003	0.405	0.002	72.541	TRUE	2.74E-15
PEF	JMY	rs631305	T	C	-0.139	0.012	0.164	2.88E-32	-0.008	0.003	0.017	0.004	139.837	TRUE	2.79E-26
PEF	JMY	rs72635605	C	T	0.111	0.012	0.152	7.39E-20	0.003	0.004	0.409	0.003	83.202	TRUE	2.15E-17
PEF	JMY	rs72762996	T	C	0.085	0.015	0.098	1.26E-08	0.003	0.004	0.461	0.001	32.390	TRUE	1.68E-07
PEF	JMY	rs72764976	C	A	0.254	0.026	0.038	3.83E-23	0.001	0.006	0.920	0.003	98.166	TRUE	3.43E-21
PEF	JMY	rs75497809	G	A	0.232	0.022	0.054	4.43E-27	0.009	0.005	0.105	0.004	116.132	TRUE	7.98E-23
PEF	JMY	rs77977678	G	T	0.310	0.038	0.018	1.52E-16	0.013	0.007	0.063	0.002	68.141	TRUE	1.91E-13
PEF	JMY	rs9293761	A	G	0.109	0.009	0.422	1.04E-34	0.002	0.003	0.454	0.005	151.006	TRUE	9.22E-31
PEF	KAT8	rs1060506	T	C	0.245	0.009	0.322	2.14E-152	-0.012	0.003	1.93E-05	0.021	691.426	TRUE	1.21E-125
PEF	KAT8	rs11574947	T	C	-0.074	0.012	0.195	5.57E-10	0.006	0.003	0.047	0.001	38.465	TRUE	8.16E-08
PEF	KAT8	rs142366936	A	G	0.230	0.042	0.019	3.99E-08	-0.005	0.010	0.605	0.001	30.151	TRUE	3.33E-07
PEF	KAT8	rs147208188	A	G	0.257	0.030	0.024	3.00E-17	-0.015	0.008	0.079	0.002	71.341	TRUE	3.72E-14
PEF	KAT8	rs148603263	C	T	0.225	0.028	0.028	1.70E-15	-0.002	0.008	0.766	0.002	63.377	TRUE	5.01E-14
PEF	KAT8	rs2884737	C	A	-0.137	0.011	0.241	6.39E-34	0.003	0.003	0.248	0.005	147.400	TRUE	1.64E-29
PEF	KAT8	rs3764322	G	A	0.065	0.010	0.273	2.01E-10	-0.006	0.003	0.059	0.001	40.450	TRUE	3.29E-08
PEF	KAT8	rs55742763	G	A	0.066	0.009	0.494	6.77E-14	-0.001	0.003	0.604	0.002	56.130	TRUE	2.26E-12
PEF	KAT8	rs72800845	A	G	-0.069	0.011	0.225	8.24E-11	0.007	0.003	0.019	0.001	42.198	TRUE	3.28E-08
PEF	KAT8	rs74792333	T	C	0.261	0.025	0.044	3.91E-25	-0.008	0.006	0.142	0.003	107.247	TRUE	2.46E-21
PEF	KAT8	rs79411291	G	A	0.143	0.026	0.034	2.13E-08	-0.009	0.006	0.127	0.001	31.367	TRUE	8.80E-07
PEF	KIF1B	rs11121519	T	C	-0.221	0.014	0.090	1.56E-57	0.007	0.004	0.109	0.008	255.587	TRUE	1.23E-49
PEF	KIF1B	rs11121549	T	C	-0.270	0.013	0.109	1.82E-100	0.012	0.004	0.003	0.014	452.715	TRUE	2.45E-84
PEF	KIF1B	rs113726578	A	G	-0.420	0.041	0.016	1.17E-24	0.007	0.009	0.389	0.003	105.072	TRUE	1.20E-21
PEF	KIF1B	rs113826563	G	C	0.332	0.019	0.047	4.70E-70	-0.019	0.007	0.006	0.010	313.045	TRUE	1.86E-58
PEF	KIF1B	rs115067562	T	C	0.190	0.028	0.027	9.61E-12	0.003	0.006	0.597	0.001	46.403	TRUE	1.97E-10
PEF	KIF1B	rs115332378	C	T	-0.294	0.030	0.024	3.61E-23	-0.016	0.006	0.011	0.003	98.285	TRUE	2.15E-18

PEF	KIF1B	rs11539794	T	G	-0.101	0.012	0.155	5.70E-18	-0.004	0.003	0.289	0.002	74.617	TRUE	1.77E-15
PEF	KIF1B	rs11585670	C	A	-0.354	0.017	0.081	4.65E-100	-0.008	0.004	0.060	0.014	450.845	TRUE	1.20E-86
PEF	KIF1B	rs116013225	T	C	-0.510	0.027	0.028	1.82E-82	0.010	0.008	0.191	0.012	370.030	TRUE	2.03E-72
PEF	KIF1B	rs116461502	A	C	0.281	0.051	0.016	3.20E-08	-0.001	0.008	0.872	0.001	30.581	TRUE	1.57E-07
PEF	KIF1B	rs116800840	T	G	0.193	0.023	0.037	7.34E-17	-0.003	0.006	0.668	0.002	69.575	TRUE	3.98E-15
PEF	KIF1B	rs12045923	C	T	-0.142	0.008	0.358	1.92E-64	0.011	0.003	1.56E-04	0.009	287.291	TRUE	1.39E-51
PEF	KIF1B	rs1220404	C	T	-0.139	0.010	0.208	2.29E-46	0.002	0.003	0.504	0.006	204.384	TRUE	2.04E-41
PEF	KIF1B	rs12730387	G	A	0.244	0.020	0.045	2.30E-35	-0.016	0.006	0.012	0.005	154.003	TRUE	8.23E-29
PEF	KIF1B	rs12739407	A	G	0.139	0.020	0.054	2.13E-12	0.005	0.006	0.375	0.002	49.354	TRUE	1.04E-10
PEF	KIF1B	rs12753330	T	C	0.177	0.014	0.099	1.86E-36	-0.010	0.005	0.029	0.005	159.007	TRUE	3.00E-30
PEF	KIF1B	rs139332841	A	G	-0.292	0.036	0.017	3.60E-16	0.012	0.010	0.209	0.002	66.438	TRUE	1.06E-13
PEF	KIF1B	rs141624630	A	G	0.526	0.028	0.021	8.24E-78	-0.017	0.010	0.098	0.011	348.653	TRUE	1.77E-67
PEF	KIF1B	rs143111562	A	C	-0.337	0.061	0.017	4.13E-08	0.004	0.011	0.681	0.001	30.088	TRUE	2.90E-07
PEF	KIF1B	rs143135527	T	C	0.995	0.026	0.028	0.00E+00	-0.005	0.009	0.579	0.043	1432.973	TRUE	1.09E-280
PEF	KIF1B	rs150874880	T	C	0.292	0.035	0.017	1.30E-16	-0.003	0.011	0.769	0.002	68.452	TRUE	4.86E-15
PEF	KIF1B	rs17401190	A	G	-0.267	0.027	0.026	1.58E-22	-0.005	0.007	0.504	0.003	95.369	TRUE	5.86E-20
PEF	KIF1B	rs189471153	A	G	0.388	0.062	0.013	3.59E-10	-0.004	0.011	0.732	0.001	39.323	TRUE	3.61E-09
PEF	KIF1B	rs2765552	C	A	-0.337	0.035	0.018	3.21E-22	0.004	0.009	0.629	0.003	93.960	TRUE	6.61E-20
PEF	KIF1B	rs284288	C	T	0.062	0.010	0.338	3.16E-10	-0.003	0.003	0.340	0.001	39.572	TRUE	9.47E-09
PEF	KIF1B	rs284310	T	C	0.140	0.009	0.462	2.02E-60	-0.001	0.003	0.849	0.008	268.840	TRUE	6.05E-55
PEF	KIF1B	rs36083022	A	G	-0.303	0.038	0.017	1.59E-15	0.019	0.012	0.094	0.002	63.510	TRUE	9.36E-13
PEF	KIF1B	rs4534387	T	C	0.096	0.015	0.103	3.35E-10	0.005	0.004	0.286	0.001	39.458	TRUE	1.20E-08
PEF	KIF1B	rs484416	A	G	-0.236	0.015	0.077	3.86E-57	0.013	0.005	0.010	0.008	253.782	TRUE	1.85E-47
PEF	KIF1B	rs4845947	G	T	0.118	0.016	0.084	7.14E-14	0.004	0.005	0.415	0.002	56.024	TRUE	4.46E-12
PEF	KIF1B	rs4845976	A	C	0.228	0.014	0.092	3.93E-56	-0.008	0.004	0.062	0.008	249.158	TRUE	5.97E-48
PEF	KIF1B	rs4846191	A	T	-0.070	0.010	0.377	4.74E-13	0.000	0.003	0.995	0.002	52.307	TRUE	4.52E-12
PEF	KIF1B	rs557755	A	G	0.239	0.027	0.043	7.94E-19	-0.005	0.008	0.474	0.002	78.509	TRUE	1.32E-16
PEF	KIF1B	rs560611	C	T	-0.099	0.010	0.374	6.84E-25	0.003	0.003	0.233	0.003	106.141	TRUE	1.86E-21
PEF	KIF1B	rs56394030	A	C	-0.083	0.012	0.118	2.11E-11	0.004	0.004	0.358	0.001	44.863	TRUE	7.86E-10
PEF	KIF1B	rs57853394	A	G	0.163	0.024	0.045	7.54E-12	0.001	0.007	0.875	0.001	46.878	TRUE	7.63E-11
PEF	KIF1B	rs59120752	T	C	-0.137	0.020	0.046	6.91E-12	-0.003	0.006	0.617	0.001	47.051	TRUE	1.38E-10
PEF	KIF1B	rs61776290	T	C	0.423	0.012	0.119	6.93E-269	-0.009	0.004	0.027	0.037	1227.278	TRUE	3.17E-234
PEF	KIF1B	rs6541091	C	A	-0.367	0.017	0.066	1.82E-105	0.003	0.004	0.472	0.015	475.693	TRUE	1.92E-94
PEF	KIF1B	rs6677664	C	T	-0.142	0.011	0.153	7.87E-37	0.009	0.004	0.016	0.005	160.712	TRUE	3.43E-30
PEF	KIF1B	rs6700483	T	C	-0.060	0.011	0.157	4.28E-08	-0.001	0.004	0.718	0.001	30.015	TRUE	2.78E-07
PEF	KIF1B	rs72643209	G	A	0.140	0.025	0.044	1.86E-08	0.005	0.007	0.437	0.001	31.630	TRUE	2.54E-07
PEF	KIF1B	rs7412149	G	A	-0.072	0.008	0.467	4.90E-19	0.000	0.003	0.958	0.003	79.465	TRUE	1.64E-17
PEF	KIF1B	rs74543418	T	C	0.129	0.016	0.075	2.03E-15	0.004	0.005	0.444	0.002	63.027	TRUE	1.63E-13
PEF	KIF1B	rs7520259	G	A	0.492	0.008	0.452	0.00E+00	-0.007	0.003	0.003	0.120	4302.789	TRUE	0.00E+00
PEF	KIF1B	rs7528608	T	C	-0.081	0.011	0.225	5.94E-13	-0.008	0.003	0.016	0.002	51.863	TRUE	5.91E-10
PEF	KIF1B	rs7546283	G	A	0.942	0.024	0.032	0.00E+00	-0.018	0.007	0.010	0.046	1528.659	TRUE	1.09E-289
PEF	KIF1B	rs75489627	A	G	0.170	0.028	0.044	1.24E-09	-0.007	0.006	0.219	0.001	36.901	TRUE	5.00E-08

PEF	KIF1B	rs76730171	G	C	0.451	0.010	0.177	0.00E+00	-0.012	0.004	4.31E-04	0.059	1974.994	TRUE	0.00E+00
PEF	KIF1B	rs77639220	A	G	-0.199	0.032	0.022	5.44E-10	-0.002	0.008	0.799	0.001	38.512	TRUE	4.48E-09
PEF	KIF1B	rs78213623	T	C	0.299	0.038	0.020	1.59E-15	-0.004	0.007	0.605	0.002	63.517	TRUE	7.68E-14
PEF	KIF1B	rs78877530	A	G	0.844	0.022	0.033	0.00E+00	-0.033	0.009	9.03E-05	0.044	1444.696	TRUE	5.80E-268
PEF	KIF1B	rs9430220	C	T	-0.103	0.010	0.217	1.47E-26	0.004	0.003	0.224	0.004	113.760	TRUE	7.12E-23
PEF	LAMTOR2	rs501791	T	C	0.157	0.025	0.052	1.95E-10	0.014	0.006	0.028	0.001	40.513	TRUE	4.92E-08
PEF	LAPTM5	rs10914193	A	G	0.204	0.008	0.483	7.91E-149	-0.016	0.003	8.92E-10	0.021	675.021	TRUE	9.62E-117
PEF	LAPTM5	rs1149050	G	A	-0.089	0.010	0.203	3.19E-19	-0.002	0.003	0.503	0.003	80.312	TRUE	5.44E-17
PEF	LAPTM5	rs115211698	A	C	0.285	0.039	0.014	1.62E-13	-0.003	0.011	0.797	0.002	54.414	TRUE	2.86E-12
PEF	LAPTM5	rs12120436	A	C	0.374	0.033	0.021	6.77E-30	0.029	0.006	6.01E-06	0.004	128.996	TRUE	1.34E-21
PEF	LAPTM5	rs12129128	A	G	-0.081	0.011	0.148	3.53E-13	0.015	0.004	4.41E-05	0.002	52.885	TRUE	8.12E-09
PEF	LAPTM5	rs12403217	G	A	0.282	0.028	0.023	8.08E-24	0.000	0.009	0.977	0.003	101.250	TRUE	6.70E-22
PEF	LAPTM5	rs1323446	G	A	0.086	0.009	0.256	2.21E-21	-0.009	0.003	0.001	0.003	90.142	TRUE	3.28E-16
PEF	LAPTM5	rs138437178	C	A	0.179	0.023	0.034	1.22E-14	-0.008	0.007	0.261	0.002	59.499	TRUE	1.78E-12
PEF	LAPTM5	rs140316138	T	G	-0.222	0.031	0.025	1.23E-12	0.036	0.014	0.011	0.002	50.441	TRUE	1.36E-09
PEF	LAPTM5	rs142546386	A	C	-0.220	0.031	0.022	1.38E-12	-0.006	0.008	0.458	0.002	50.211	TRUE	5.20E-11
PEF	LAPTM5	rs149733442	T	C	-0.468	0.076	0.017	7.27E-10	0.051	0.015	4.91E-04	0.001	37.943	TRUE	1.06E-06
PEF	LAPTM5	rs1498010	G	A	-0.049	0.009	0.277	2.83E-08	0.005	0.003	0.102	0.001	30.818	TRUE	1.28E-06
PEF	LAPTM5	rs1731689	T	C	-0.107	0.014	0.091	9.31E-15	0.002	0.004	0.696	0.002	60.034	TRUE	2.97E-13
PEF	LAPTM5	rs1882023	T	C	-0.086	0.009	0.292	3.22E-22	0.005	0.003	0.117	0.003	93.956	TRUE	1.12E-18
PEF	LAPTM5	rs1920423	A	G	0.201	0.024	0.031	3.31E-17	-0.008	0.007	0.272	0.002	71.148	TRUE	9.11E-15
PEF	LAPTM5	rs1983821	C	T	0.071	0.010	0.218	1.74E-13	-0.004	0.003	0.232	0.002	54.272	TRUE	2.05E-11
PEF	LAPTM5	rs2491142	T	C	-0.075	0.008	0.332	6.22E-19	-0.004	0.003	0.190	0.002	78.992	TRUE	4.42E-16
PEF	LAPTM5	rs34101571	A	G	0.402	0.058	0.019	6.41E-12	-0.012	0.013	0.343	0.001	47.197	TRUE	3.00E-10
PEF	LAPTM5	rs3790497	G	T	0.096	0.015	0.125	1.50E-10	-0.010	0.004	0.014	0.001	41.032	TRUE	5.89E-08
PEF	LAPTM5	rs3795438	T	C	0.317	0.009	0.239	2.54E-261	-0.007	0.003	0.021	0.036	1192.471	TRUE	2.86E-227
PEF	LAPTM5	rs379605	T	G	0.059	0.010	0.441	1.13E-08	0.000	0.003	0.901	0.001	32.595	TRUE	5.69E-08
PEF	LAPTM5	rs4949180	A	G	-0.083	0.012	0.123	2.34E-11	0.013	0.004	9.16E-04	0.001	44.660	TRUE	5.86E-08
PEF	LAPTM5	rs56363138	G	T	-0.117	0.018	0.059	4.54E-11	0.004	0.005	0.415	0.001	43.362	TRUE	1.31E-09
PEF	LAPTM5	rs71644183	A	G	0.284	0.025	0.044	5.01E-30	-0.014	0.006	0.021	0.004	129.592	TRUE	1.71E-24
PEF	LAPTM5	rs72652743	G	T	0.116	0.018	0.057	4.83E-11	-0.002	0.006	0.782	0.001	43.244	TRUE	5.20E-10
PEF	LAPTM5	rs72654961	A	G	-0.145	0.018	0.058	3.15E-15	0.002	0.005	0.672	0.002	62.169	TRUE	1.16E-13
PEF	LAPTM5	rs74842333	A	C	0.412	0.029	0.027	8.78E-47	0.000	0.007	0.959	0.006	206.295	TRUE	7.94E-43
PEF	LAPTM5	rs76030066	A	C	0.337	0.047	0.016	5.51E-13	-0.002	0.009	0.848	0.002	52.010	TRUE	7.66E-12
PEF	LARP1	rs113194752	A	G	-0.176	0.023	0.048	8.20E-15	-0.005	0.005	0.352	0.002	60.282	TRUE	8.34E-13
PEF	LARP1	rs115509840	G	A	-0.121	0.020	0.050	2.91E-09	0.006	0.006	0.312	0.001	35.239	TRUE	7.24E-08
PEF	LARP1	rs116780328	A	G	-0.095	0.015	0.111	1.84E-10	0.002	0.004	0.639	0.001	40.625	TRUE	2.51E-09
PEF	LARP1	rs11952692	C	G	0.158	0.026	0.031	1.42E-09	0.004	0.010	0.721	0.001	36.634	TRUE	1.29E-08
PEF	LARP1	rs12374556	A	G	-0.091	0.009	0.317	6.56E-22	-0.002	0.003	0.427	0.003	92.546	TRUE	2.79E-19
PEF	LARP1	rs12514979	G	A	0.156	0.011	0.192	1.02E-44	0.005	0.003	0.139	0.006	196.822	TRUE	1.63E-38
PEF	LARP1	rs1296135	G	T	0.101	0.018	0.061	3.17E-08	0.003	0.005	0.544	0.001	30.597	TRUE	3.17E-07
PEF	LARP1	rs13190138	T	C	-0.105	0.009	0.343	2.87E-30	-0.001	0.003	0.610	0.004	130.702	TRUE	4.12E-27

PEF	LARP1	rs142171013	T	C	0.425	0.073	0.014	5.40E-09	0.009	0.011	0.432	0.001	34.036	TRUE	8.55E-08
PEF	LARP1	rs151176650	A	G	-0.189	0.016	0.083	4.70E-33	-0.008	0.004	0.057	0.005	143.436	TRUE	1.14E-27
PEF	LARP1	rs33936334	T	C	0.084	0.011	0.250	1.08E-14	-0.001	0.003	0.814	0.002	59.743	TRUE	2.43E-13
PEF	LARP1	rs3867429	C	T	0.287	0.009	0.524	1.41E-246	0.006	0.003	0.025	0.034	1124.634	TRUE	1.71E-214
PEF	LARP1	rs425774	G	A	0.117	0.009	0.337	2.47E-37	0.004	0.003	0.183	0.005	163.017	TRUE	2.99E-32
PEF	LARP1	rs60778030	T	C	0.093	0.009	0.511	4.70E-26	0.004	0.003	0.148	0.004	111.447	TRUE	4.11E-22
PEF	LARP1	rs62380488	T	C	-0.118	0.020	0.055	3.01E-09	0.001	0.006	0.848	0.001	35.177	TRUE	1.93E-08
PEF	LARP1	rs62382162	A	G	0.212	0.012	0.141	1.58E-64	0.007	0.004	0.076	0.009	287.677	TRUE	1.55E-55
PEF	LARP1	rs6580082	G	C	-0.050	0.009	0.348	4.16E-08	-0.002	0.003	0.490	0.001	30.070	TRUE	4.33E-07
PEF	LARP1	rs6882998	T	C	0.208	0.014	0.112	4.02E-52	-0.005	0.004	0.184	0.007	230.771	TRUE	2.50E-45
PEF	LARP1	rs72799591	T	C	0.094	0.012	0.161	2.46E-15	0.001	0.003	0.710	0.002	62.656	TRUE	8.51E-14
PEF	LARP1	rs73285282	C	G	0.068	0.012	0.155	1.64E-08	0.003	0.003	0.388	0.001	31.875	TRUE	2.53E-07
PEF	LARP1	rs7449320	C	A	0.068	0.010	0.228	8.12E-11	0.004	0.003	0.179	0.001	42.226	TRUE	5.83E-09
PEF	LARP1	rs75662337	A	G	-0.225	0.030	0.025	4.85E-14	-0.002	0.007	0.809	0.002	56.785	TRUE	9.25E-13
PEF	LARP1	rs75922491	A	G	0.312	0.037	0.018	1.77E-17	0.007	0.008	0.410	0.002	72.378	TRUE	2.82E-15
PEF	LARP1	rs75953120	G	T	-0.143	0.020	0.057	7.87E-13	0.005	0.005	0.373	0.002	51.311	TRUE	4.21E-11
PEF	LARP1	rs76645988	G	T	-0.177	0.023	0.049	1.38E-14	0.004	0.006	0.510	0.002	59.252	TRUE	7.26E-13
PEF	LARP1	rs7730481	G	A	0.089	0.011	0.196	3.19E-16	0.004	0.003	0.182	0.002	66.679	TRUE	1.18E-13
PEF	LARP1	rs78711916	A	G	0.200	0.026	0.032	2.73E-14	0.006	0.008	0.475	0.002	57.914	TRUE	1.50E-12
PEF	LARP1	rs79108349	T	C	-0.252	0.029	0.032	1.08E-18	-0.008	0.007	0.232	0.002	77.911	TRUE	5.52E-16
PEF	LARP1	rs79336518	A	G	-0.131	0.023	0.038	1.04E-08	-0.001	0.006	0.926	0.001	32.762	TRUE	5.04E-08
PEF	LARP1	rs7965	A	G	-0.188	0.013	0.127	2.64E-46	-0.002	0.004	0.681	0.006	204.105	TRUE	9.18E-42
PEF	LARP1	rs9324794	T	C	0.212	0.018	0.062	1.17E-31	0.006	0.005	0.263	0.004	137.050	TRUE	1.67E-27
PEF	LEPR	rs1046011	T	C	0.221	0.009	0.313	1.89E-135	0.001	0.003	0.644	0.019	613.517	TRUE	4.62E-122
PEF	LEPR	rs10493377	G	A	0.319	0.008	0.465	0.00E+00	-0.001	0.003	0.757	0.046	1529.529	TRUE	2.46E-300
PEF	LEPR	rs1062445	A	G	0.066	0.009	0.292	6.69E-13	-0.001	0.003	0.753	0.002	51.630	TRUE	1.16E-11
PEF	LEPR	rs114403972	G	A	-0.316	0.012	0.154	2.99E-159	-0.003	0.003	0.382	0.022	722.952	TRUE	4.20E-142
PEF	LEPR	rs115553331	T	C	-0.276	0.028	0.026	6.20E-23	0.013	0.010	0.160	0.003	97.214	TRUE	1.84E-19
PEF	LEPR	rs11582592	C	T	-0.125	0.020	0.045	4.97E-10	0.006	0.006	0.308	0.001	38.688	TRUE	1.54E-08
PEF	LEPR	rs116729383	T	C	-0.253	0.023	0.037	1.93E-27	0.002	0.007	0.812	0.004	117.780	TRUE	6.25E-25
PEF	LEPR	rs11804091	G	A	0.214	0.012	0.145	1.20E-73	0.004	0.004	0.214	0.010	329.534	TRUE	1.02E-64
PEF	LEPR	rs12034917	T	A	0.130	0.017	0.068	3.43E-15	-0.003	0.006	0.622	0.002	61.999	TRUE	1.46E-13
PEF	LEPR	rs12040042	G	A	0.165	0.023	0.036	6.28E-13	-0.007	0.008	0.392	0.002	51.753	TRUE	3.25E-11
PEF	LEPR	rs12121677	C	T	0.186	0.012	0.146	1.22E-56	0.002	0.004	0.653	0.008	251.492	TRUE	4.79E-51
PEF	LEPR	rs12736154	G	T	0.208	0.017	0.066	6.84E-34	0.008	0.005	0.089	0.005	147.263	TRUE	1.13E-28
PEF	LEPR	rs138517453	T	C	0.168	0.023	0.035	1.77E-13	0.002	0.006	0.777	0.002	54.243	TRUE	3.31E-12
PEF	LEPR	rs1392814	G	C	-0.082	0.009	0.300	2.84E-19	-0.004	0.003	0.180	0.003	80.538	TRUE	2.43E-16
PEF	LEPR	rs140879893	T	G	0.389	0.062	0.013	3.64E-10	-0.007	0.015	0.640	0.001	39.293	TRUE	4.54E-09
PEF	LEPR	rs141654048	C	T	-0.184	0.033	0.020	2.45E-08	-0.011	0.009	0.220	0.001	31.097	TRUE	6.40E-07
PEF	LEPR	rs143269572	A	C	-0.466	0.038	0.017	9.71E-35	-0.009	0.010	0.339	0.005	151.143	TRUE	1.69E-30
PEF	LEPR	rs1570869	A	C	-0.100	0.009	0.404	5.98E-32	0.002	0.003	0.344	0.004	138.384	TRUE	4.64E-28
PEF	LEPR	rs17128123	T	C	0.118	0.018	0.060	3.30E-11	-0.012	0.006	0.027	0.001	43.989	TRUE	1.17E-08

PEF	LEPR	rs17397283	G	A	0.148	0.016	0.073	2.02E-20	-0.002	0.005	0.698	0.003	85.768	TRUE	2.21E-18
PEF	LEPR	rs1938503	T	C	-0.442	0.051	0.019	2.29E-18	-0.021	0.009	0.016	0.002	76.418	TRUE	1.84E-14
PEF	LEPR	rs4655607	G	A	0.060	0.008	0.410	2.14E-12	-0.002	0.003	0.345	0.002	49.345	TRUE	1.09E-10
PEF	LEPR	rs4916038	A	G	-0.068	0.008	0.486	1.03E-15	-0.005	0.003	0.047	0.002	64.368	TRUE	1.29E-12
PEF	LEPR	rs55730790	G	A	0.111	0.012	0.157	1.09E-21	0.004	0.004	0.328	0.003	91.544	TRUE	7.28E-19
PEF	LEPR	rs55964802	A	G	-0.285	0.009	0.304	1.22E-218	0.000	0.003	0.977	0.030	996.100	TRUE	3.10E-198
PEF	LEPR	rs571146	T	C	-0.052	0.009	0.346	3.81E-09	-0.001	0.003	0.583	0.001	34.716	TRUE	4.21E-08
PEF	LEPR	rs61753391	A	G	0.345	0.028	0.024	7.13E-34	0.016	0.008	0.041	0.005	147.181	TRUE	3.53E-28
PEF	LEPR	rs61781405	A	G	0.455	0.039	0.016	8.85E-31	-0.016	0.010	0.095	0.004	133.034	TRUE	5.15E-26
PEF	LEPR	rs6669785	T	G	-0.262	0.018	0.060	1.04E-50	-0.010	0.007	0.141	0.007	224.285	TRUE	7.30E-44
PEF	LEPR	rs6675417	A	C	0.155	0.008	0.444	1.38E-75	0.001	0.003	0.639	0.011	338.434	TRUE	4.01E-68
PEF	LEPR	rs6681698	C	T	-0.063	0.010	0.232	1.55E-10	-0.006	0.003	0.037	0.001	40.960	TRUE	3.30E-08
PEF	LEPR	rs71647484	C	T	0.291	0.027	0.024	1.89E-26	-0.002	0.010	0.864	0.004	113.258	TRUE	4.14E-24
PEF	LEPR	rs72679422	A	C	0.149	0.017	0.072	4.16E-18	0.006	0.005	0.249	0.002	75.237	TRUE	1.70E-15
PEF	LEPR	rs72683201	T	C	-0.266	0.028	0.025	5.48E-21	-0.002	0.007	0.766	0.003	88.346	TRUE	5.26E-19
PEF	LEPR	rs72685036	C	T	0.311	0.026	0.029	5.21E-34	0.004	0.007	0.568	0.005	147.803	TRUE	2.07E-30
PEF	LEPR	rs75148473	C	T	0.281	0.024	0.035	1.57E-30	0.006	0.007	0.383	0.004	131.893	TRUE	7.34E-27
PEF	LEPR	rs75227303	T	C	-0.186	0.028	0.026	2.85E-11	0.001	0.009	0.925	0.001	44.273	TRUE	2.31E-10
PEF	LEPR	rs7529945	G	A	-0.121	0.015	0.092	7.91E-17	0.005	0.004	0.271	0.002	69.428	TRUE	2.06E-14
PEF	LEPR	rs75683475	G	A	-0.165	0.017	0.070	2.30E-22	-0.002	0.005	0.650	0.003	94.621	TRUE	4.53E-20
PEF	LEPR	rs76011523	G	A	0.184	0.028	0.023	7.10E-11	-0.004	0.010	0.681	0.001	42.489	TRUE	9.43E-10
PEF	LEPR	rs76227390	T	C	0.242	0.026	0.031	3.20E-20	0.002	0.009	0.803	0.003	84.855	TRUE	2.31E-18
PEF	LEPR	rs77451629	A	G	-0.290	0.039	0.016	1.27E-13	0.004	0.008	0.645	0.002	54.899	TRUE	3.56E-12
PEF	LEPR	rs77848204	A	G	0.823	0.018	0.056	0.00E+00	0.006	0.006	0.310	0.065	2200.084	TRUE	0.00E+00
PEF	LEPR	rs80131221	C	T	-0.170	0.020	0.048	5.69E-18	-0.006	0.006	0.335	0.002	74.621	TRUE	1.42E-15
PEF	LEPR	rs9436276	A	G	-0.345	0.018	0.061	1.34E-79	-0.004	0.005	0.370	0.011	356.871	TRUE	9.08E-71
PEF	LGALS3	rs7141706	G	C	-0.103	0.014	0.093	1.11E-13	0.010	0.004	0.024	0.002	55.151	TRUE	1.10E-10
PEF	LIPA	rs10749600	A	G	0.324	0.008	0.486	0.00E+00	0.001	0.003	0.749	0.052	1754.584	TRUE	0.00E+00
PEF	LIPA	rs10887918	C	T	0.180	0.009	0.415	8.62E-99	-0.001	0.003	0.731	0.014	445.019	TRUE	2.53E-89
PEF	LIPA	rs10887941	A	G	0.289	0.010	0.204	7.28E-192	0.000	0.003	0.892	0.027	872.941	TRUE	6.82E-174
PEF	LIPA	rs10887954	T	C	0.263	0.023	0.030	4.59E-29	-0.003	0.009	0.745	0.004	125.200	TRUE	2.69E-26
PEF	LIPA	rs1111713	G	A	-0.053	0.009	0.265	3.52E-09	-0.001	0.003	0.692	0.001	34.869	TRUE	3.20E-08
PEF	LIPA	rs111246675	G	A	-0.353	0.018	0.061	3.01E-90	-0.004	0.005	0.399	0.013	405.772	TRUE	1.91E-80
PEF	LIPA	rs111415372	C	T	-0.149	0.019	0.048	1.14E-15	-0.009	0.006	0.117	0.002	64.169	TRUE	5.79E-13
PEF	LIPA	rs11185791	G	C	0.125	0.010	0.177	1.54E-33	-0.002	0.003	0.640	0.005	145.655	TRUE	3.95E-30
PEF	LIPA	rs11202932	A	C	0.052	0.008	0.504	8.10E-11	0.002	0.003	0.555	0.001	42.232	TRUE	1.50E-09
PEF	LIPA	rs11203117	C	T	0.546	0.022	0.037	3.79E-131	0.007	0.006	0.264	0.018	593.731	TRUE	2.59E-116
PEF	LIPA	rs11203136	C	T	-0.115	0.010	0.210	2.27E-32	-0.003	0.003	0.332	0.004	140.309	TRUE	2.26E-28
PEF	LIPA	rs11203148	A	G	-0.406	0.026	0.027	2.16E-54	-0.001	0.008	0.876	0.008	241.178	TRUE	1.50E-49
PEF	LIPA	rs112500750	T	C	0.267	0.040	0.014	1.94E-11	0.026	0.010	0.007	0.001	45.029	TRUE	1.73E-08
PEF	LIPA	rs115859966	A	G	-0.344	0.037	0.019	3.61E-20	0.002	0.012	0.851	0.003	84.620	TRUE	2.22E-18
PEF	LIPA	rs11591995	G	A	-0.423	0.030	0.021	9.05E-45	0.015	0.009	0.091	0.006	197.070	TRUE	3.09E-38

PEF	LIPA	rs117007968	T	C	0.152	0.027	0.023	2.59E-08	0.012	0.009	0.185	0.001	30.994	TRUE	7.65E-07
PEF	LIPA	rs117621443	A	G	-0.235	0.038	0.015	5.12E-10	0.006	0.010	0.536	0.001	38.629	TRUE	8.06E-09
PEF	LIPA	rs117681618	A	G	-0.596	0.069	0.014	6.40E-18	0.010	0.009	0.269	0.002	74.389	TRUE	2.17E-15
PEF	LIPA	rs117699321	C	T	-0.156	0.016	0.070	8.93E-22	0.000	0.005	0.945	0.003	91.935	TRUE	5.50E-20
PEF	LIPA	rs117914848	T	C	-0.155	0.022	0.038	9.13E-13	-0.005	0.007	0.457	0.002	51.019	TRUE	3.59E-11
PEF	LIPA	rs118025778	G	A	-0.379	0.022	0.037	1.07E-65	-0.007	0.006	0.281	0.009	293.034	TRUE	6.26E-58
PEF	LIPA	rs12240489	T	C	-0.158	0.014	0.086	5.11E-29	-0.004	0.005	0.389	0.004	124.985	TRUE	1.58E-25
PEF	LIPA	rs12263699	A	C	0.097	0.017	0.061	8.55E-09	-0.002	0.006	0.688	0.001	33.143	TRUE	6.86E-08
PEF	LIPA	rs12772500	G	A	0.142	0.023	0.033	6.98E-10	0.003	0.006	0.673	0.001	38.025	TRUE	7.62E-09
PEF	LIPA	rs12777240	T	C	-0.068	0.008	0.465	1.73E-17	-0.002	0.003	0.382	0.002	72.429	TRUE	3.10E-15
PEF	LIPA	rs1359623	C	A	-0.131	0.008	0.464	4.52E-61	0.002	0.003	0.467	0.009	271.818	TRUE	1.66E-54
PEF	LIPA	rs140433253	A	G	-0.368	0.020	0.049	1.65E-74	0.001	0.007	0.896	0.010	333.487	TRUE	7.37E-68
PEF	LIPA	rs142165632	C	T	-0.191	0.035	0.019	4.45E-08	-0.015	0.013	0.262	0.001	29.941	TRUE	9.07E-07
PEF	LIPA	rs142950184	G	A	-0.462	0.037	0.015	9.97E-36	-0.016	0.011	0.124	0.005	155.666	TRUE	1.60E-30
PEF	LIPA	rs143231574	C	T	-0.211	0.033	0.019	1.46E-10	-0.001	0.010	0.898	0.001	41.078	TRUE	1.08E-09
PEF	LIPA	rs143376929	G	A	-0.280	0.036	0.017	6.61E-15	-0.005	0.011	0.612	0.002	60.708	TRUE	2.74E-13
PEF	LIPA	rs144512428	A	G	0.238	0.034	0.019	2.05E-12	-0.001	0.010	0.942	0.002	49.432	TRUE	1.99E-11
PEF	LIPA	rs144548322	T	C	-0.224	0.029	0.021	1.82E-14	0.004	0.008	0.576	0.002	58.715	TRUE	7.63E-13
PEF	LIPA	rs144754510	A	G	-0.283	0.010	0.204	4.57E-181	-0.005	0.003	0.109	0.025	823.276	TRUE	4.31E-159
PEF	LIPA	rs146055396	A	G	-0.275	0.042	0.016	4.69E-11	0.007	0.012	0.548	0.001	43.302	TRUE	9.22E-10
PEF	LIPA	rs146475454	G	T	0.265	0.026	0.026	9.08E-25	0.002	0.008	0.821	0.003	105.581	TRUE	1.65E-22
PEF	LIPA	rs147548242	G	A	-0.154	0.020	0.044	3.40E-15	-0.003	0.006	0.691	0.002	62.015	TRUE	1.18E-13
PEF	LIPA	rs148447968	T	C	0.432	0.030	0.020	5.20E-48	0.007	0.009	0.453	0.007	211.922	TRUE	1.03E-42
PEF	LIPA	rs148509831	A	G	0.199	0.023	0.038	1.26E-18	0.023	0.013	0.071	0.002	77.604	TRUE	2.72E-15
PEF	LIPA	rs149358241	G	A	-0.362	0.028	0.024	1.35E-38	0.004	0.008	0.660	0.005	168.797	TRUE	9.49E-35
PEF	LIPA	rs150402819	A	C	0.292	0.033	0.019	1.70E-18	-0.018	0.010	0.074	0.002	77.003	TRUE	3.32E-15
PEF	LIPA	rs150520435	A	G	0.221	0.030	0.020	1.11E-13	-0.012	0.011	0.272	0.002	55.151	TRUE	1.15E-11
PEF	LIPA	rs150729260	A	G	0.138	0.017	0.058	9.40E-16	0.002	0.005	0.776	0.002	64.548	TRUE	2.83E-14
PEF	LIPA	rs1661281	A	G	0.052	0.009	0.315	1.12E-09	0.003	0.003	0.304	0.001	37.095	TRUE	3.25E-08
PEF	LIPA	rs17114183	G	T	0.111	0.014	0.093	6.47E-16	0.006	0.005	0.215	0.002	65.285	TRUE	1.66E-13
PEF	LIPA	rs17387573	T	C	0.394	0.058	0.012	1.09E-11	0.003	0.013	0.786	0.001	46.153	TRUE	1.34E-10
PEF	LIPA	rs188493056	A	C	0.615	0.030	0.021	1.49E-94	0.007	0.011	0.484	0.013	425.545	TRUE	1.18E-84
PEF	LIPA	rs1892335	T	C	0.103	0.009	0.254	8.72E-30	0.004	0.003	0.270	0.004	128.493	TRUE	7.46E-26
PEF	LIPA	rs1937336	T	A	0.187	0.008	0.358	8.42E-115	0.004	0.003	0.103	0.016	518.593	TRUE	1.99E-100
PEF	LIPA	rs2026560	T	C	0.258	0.015	0.075	7.53E-63	-0.005	0.005	0.265	0.009	279.974	TRUE	2.43E-55
PEF	LIPA	rs2071511	T	C	-0.260	0.009	0.423	1.53E-200	-0.001	0.003	0.785	0.028	912.858	TRUE	3.47E-181
PEF	LIPA	rs2105437	A	G	0.055	0.008	0.394	2.20E-11	0.000	0.003	0.866	0.001	44.785	TRUE	2.04E-10
PEF	LIPA	rs2254747	C	T	0.218	0.010	0.174	6.07E-97	0.000	0.003	0.898	0.014	436.530	TRUE	2.96E-88
PEF	LIPA	rs2482627	A	G	0.886	0.023	0.034	0.00E+00	0.010	0.006	0.110	0.046	1534.941	TRUE	2.25E-295
PEF	LIPA	rs2576174	C	T	-0.056	0.008	0.474	1.64E-12	-0.003	0.003	0.269	0.002	49.866	TRUE	1.26E-10
PEF	LIPA	rs2862829	C	T	0.056	0.010	0.347	4.66E-09	-0.001	0.003	0.723	0.001	34.323	TRUE	3.67E-08
PEF	LIPA	rs2902446	T	C	0.112	0.020	0.046	2.33E-08	-0.006	0.006	0.346	0.001	31.195	TRUE	4.00E-07

PEF	LIPA	rs303482	T	G	0.343	0.027	0.026	2.12E-37	0.017	0.009	0.066	0.005	163.318	TRUE	1.46E-31
PEF	LIPA	rs34343174	T	G	0.062	0.011	0.160	1.32E-08	-0.002	0.004	0.557	0.001	32.297	TRUE	1.37E-07
PEF	LIPA	rs41317026	A	G	0.219	0.030	0.021	1.83E-13	-0.006	0.008	0.511	0.002	54.178	TRUE	7.26E-12
PEF	LIPA	rs4370841	C	G	-0.171	0.029	0.020	4.39E-09	0.001	0.011	0.966	0.001	34.441	TRUE	2.12E-08
PEF	LIPA	rs4448605	A	G	-0.146	0.015	0.071	3.03E-21	-0.002	0.005	0.687	0.003	89.516	TRUE	4.13E-19
PEF	LIPA	rs4933503	G	T	0.283	0.011	0.171	3.32E-159	0.006	0.003	0.068	0.022	722.741	TRUE	5.29E-139
PEF	LIPA	rs497191	G	A	-0.195	0.009	0.295	1.36E-112	-0.001	0.003	0.640	0.016	508.452	TRUE	1.91E-101
PEF	LIPA	rs57144189	A	G	0.250	0.010	0.178	1.37E-129	0.006	0.003	0.060	0.018	586.575	TRUE	1.19E-112
PEF	LIPA	rs61853119	C	A	0.317	0.024	0.030	2.34E-39	0.004	0.007	0.567	0.005	172.281	TRUE	3.23E-35
PEF	LIPA	rs61871174	T	C	0.081	0.012	0.156	1.09E-11	0.001	0.004	0.744	0.001	46.155	TRUE	1.52E-10
PEF	LIPA	rs6586169	A	C	0.050	0.009	0.512	9.77E-09	-0.003	0.003	0.295	0.001	32.884	TRUE	2.15E-07
PEF	LIPA	rs6586196	C	T	-0.123	0.009	0.290	3.65E-45	-0.002	0.003	0.413	0.006	198.875	TRUE	4.87E-40
PEF	LIPA	rs67539223	T	C	-0.119	0.011	0.145	3.99E-26	-0.005	0.004	0.182	0.004	111.774	TRUE	2.22E-22
PEF	LIPA	rs7069914	G	A	0.501	0.022	0.035	2.66E-117	0.007	0.007	0.324	0.016	530.091	TRUE	2.67E-104
PEF	LIPA	rs72809344	C	T	-0.145	0.024	0.032	1.04E-09	0.003	0.007	0.702	0.001	37.251	TRUE	1.02E-08
PEF	LIPA	rs72814703	C	A	-0.369	0.030	0.023	7.47E-35	-0.009	0.008	0.257	0.005	151.664	TRUE	2.46E-30
PEF	LIPA	rs72814792	G	A	-0.358	0.028	0.024	1.36E-36	-0.005	0.008	0.497	0.005	159.619	TRUE	1.43E-32
PEF	LIPA	rs72816710	T	G	0.546	0.028	0.024	1.04E-87	0.001	0.008	0.878	0.012	394.108	TRUE	8.72E-80
PEF	LIPA	rs74648203	C	T	-0.113	0.019	0.050	1.56E-09	0.006	0.005	0.219	0.001	36.453	TRUE	5.99E-08
PEF	LIPA	rs74793733	C	T	-0.113	0.014	0.087	1.11E-15	-0.003	0.004	0.562	0.002	64.227	TRUE	6.58E-14
PEF	LIPA	rs75186650	C	A	0.145	0.015	0.088	8.53E-23	-0.006	0.005	0.212	0.003	96.584	TRUE	1.57E-19
PEF	LIPA	rs75982512	A	G	0.470	0.027	0.024	2.89E-68	0.002	0.008	0.794	0.010	304.832	TRUE	6.06E-62
PEF	LIPA	rs76239463	T	C	-0.231	0.038	0.015	1.03E-09	-0.030	0.011	0.005	0.001	37.269	TRUE	5.07E-07
PEF	LIPA	rs77354255	G	A	0.266	0.030	0.021	7.13E-19	-0.012	0.008	0.167	0.002	78.722	TRUE	6.09E-16
PEF	LIPA	rs77389023	A	G	-0.356	0.011	0.146	1.75E-214	-0.005	0.004	0.205	0.030	976.999	TRUE	5.47E-190
PEF	LIPA	rs77595083	A	C	-0.157	0.019	0.051	2.31E-17	-0.008	0.005	0.125	0.002	71.858	TRUE	1.84E-14
PEF	LIPA	rs78319414	A	G	-0.367	0.024	0.033	2.71E-54	-0.002	0.007	0.831	0.008	240.725	TRUE	2.42E-49
PEF	LIPA	rs7901936	T	C	0.314	0.022	0.035	8.77E-48	-0.001	0.008	0.942	0.007	210.882	TRUE	1.11E-43
PEF	LIPA	rs79088820	A	G	0.175	0.022	0.039	5.07E-16	0.002	0.007	0.805	0.002	65.765	TRUE	1.49E-14
PEF	LIPA	rs7917083	A	G	0.057	0.009	0.301	7.69E-11	0.000	0.003	0.949	0.001	42.333	TRUE	5.50E-10
PEF	LIPA	rs7918404	C	T	0.345	0.024	0.029	2.87E-48	0.001	0.008	0.890	0.007	213.106	TRUE	5.17E-44
PEF	LIPA	rs7922797	G	A	-0.068	0.009	0.261	5.38E-14	0.002	0.003	0.580	0.002	56.583	TRUE	1.90E-12
PEF	LIPA	rs79448645	T	C	0.198	0.029	0.022	4.62E-12	0.001	0.010	0.916	0.002	47.839	TRUE	4.44E-11
PEF	LIPA	rs80030105	A	G	-0.271	0.039	0.016	2.37E-12	0.003	0.010	0.751	0.002	49.148	TRUE	3.69E-11
PEF	LIPA	rs9658706	G	A	-0.150	0.013	0.098	9.06E-29	-0.002	0.004	0.575	0.004	123.846	TRUE	1.06E-25
PEF	LIPA	rs9658771	A	G	0.252	0.033	0.020	3.04E-14	-0.009	0.009	0.294	0.002	57.708	TRUE	3.29E-12
PEF	LIPT1	rs10196218	C	A	0.147	0.009	0.232	2.11E-55	-0.001	0.003	0.723	0.008	245.815	TRUE	4.49E-50
PEF	LIPT1	rs111715478	A	G	0.272	0.036	0.015	5.10E-14	0.006	0.011	0.575	0.002	56.688	TRUE	1.92E-12
PEF	LIPT1	rs112112884	G	A	-0.313	0.030	0.028	3.75E-25	-0.006	0.015	0.688	0.003	107.331	TRUE	1.19E-22
PEF	LIPT1	rs114393753	T	C	0.351	0.049	0.018	1.29E-12	-0.006	0.014	0.678	0.002	50.339	TRUE	2.58E-11
PEF	LIPT1	rs114408758	A	C	0.267	0.037	0.014	3.06E-13	-0.010	0.011	0.348	0.002	53.164	TRUE	2.05E-11
PEF	LIPT1	rs114657683	A	G	0.205	0.022	0.038	2.81E-20	0.003	0.008	0.665	0.003	85.110	TRUE	3.31E-18

PEF	LIPT1	rs115257107	A	G	0.256	0.029	0.022	6.03E-19	0.001	0.007	0.943	0.002	79.052	TRUE	2.15E-17
PEF	LIPT1	rs115615518	C	T	0.264	0.042	0.014	2.60E-10	0.020	0.012	0.089	0.001	39.952	TRUE	2.80E-08
PEF	LIPT1	rs115661382	G	T	-0.187	0.025	0.030	4.69E-14	-0.018	0.011	0.114	0.002	56.851	TRUE	1.44E-11
PEF	LIPT1	rs116142506	T	C	-0.247	0.045	0.018	4.14E-08	0.015	0.008	0.070	0.001	30.079	TRUE	2.31E-06
PEF	LIPT1	rs116209170	A	G	-0.388	0.035	0.018	4.23E-29	0.020	0.013	0.122	0.004	125.361	TRUE	1.06E-24
PEF	LIPT1	rs116762077	G	A	0.141	0.022	0.035	1.39E-10	-0.002	0.006	0.755	0.001	41.175	TRUE	1.44E-09
PEF	LIPT1	rs11678213	A	G	0.252	0.030	0.022	5.59E-17	-0.012	0.009	0.213	0.002	70.113	TRUE	2.04E-14
PEF	LIPT1	rs11695422	A	G	0.347	0.029	0.020	2.40E-32	-0.009	0.008	0.243	0.004	140.201	TRUE	4.49E-28
PEF	LIPT1	rs140819094	A	G	0.218	0.032	0.019	1.58E-11	-0.005	0.009	0.618	0.001	45.425	TRUE	2.94E-10
PEF	LIPT1	rs143697566	G	A	-0.266	0.030	0.021	3.31E-19	0.009	0.012	0.445	0.003	80.240	TRUE	6.87E-17
PEF	LIPT1	rs143829932	A	G	-0.422	0.024	0.033	8.37E-68	0.001	0.006	0.903	0.009	302.714	TRUE	8.51E-62
PEF	LIPT1	rs145611984	G	A	-0.258	0.047	0.013	3.39E-08	-0.011	0.013	0.373	0.001	30.471	TRUE	5.06E-07
PEF	LIPT1	rs150879117	T	G	0.199	0.036	0.016	2.56E-08	0.020	0.011	0.068	0.001	31.014	TRUE	1.59E-06
PEF	LIPT1	rs17021908	A	G	0.095	0.011	0.140	1.32E-16	-0.007	0.004	0.049	0.002	68.425	TRUE	2.10E-13
PEF	LIPT1	rs17763718	T	G	0.186	0.021	0.040	1.83E-19	-0.009	0.005	0.094	0.003	81.406	TRUE	3.70E-16
PEF	LIPT1	rs1864273	A	T	0.082	0.011	0.148	2.48E-13	-0.004	0.004	0.332	0.002	53.579	TRUE	1.80E-11
PEF	LIPT1	rs1901284	T	C	-0.280	0.008	0.432	1.69E-276	0.006	0.003	0.017	0.038	1262.313	TRUE	2.91E-240
PEF	LIPT1	rs191480064	A	G	0.302	0.029	0.023	2.22E-25	-0.001	0.008	0.870	0.003	108.374	TRUE	3.83E-23
PEF	LIPT1	rs192199259	A	G	-0.442	0.035	0.017	1.46E-36	-0.012	0.011	0.267	0.005	159.482	TRUE	6.77E-32
PEF	LIPT1	rs2122749	C	T	0.227	0.011	0.149	6.12E-91	0.000	0.004	0.974	0.013	408.948	TRUE	4.97E-83
PEF	LIPT1	rs2309582	A	G	0.273	0.011	0.169	1.87E-148	0.000	0.003	0.906	0.021	673.303	TRUE	8.13E-135
PEF	LIPT1	rs2309725	C	A	-0.074	0.008	0.445	3.81E-20	0.002	0.003	0.385	0.003	84.513	TRUE	1.35E-17
PEF	LIPT1	rs28382916	T	C	0.228	0.037	0.021	7.97E-10	-0.008	0.010	0.449	0.001	37.766	TRUE	1.51E-08
PEF	LIPT1	rs28575117	C	G	-0.320	0.008	0.318	0.00E+00	0.006	0.003	0.040	0.044	1458.051	TRUE	8.43E-279
PEF	LIPT1	rs4300851	C	T	0.056	0.009	0.329	4.72E-10	0.000	0.003	0.903	0.001	38.786	TRUE	3.11E-09
PEF	LIPT1	rs56339210	C	T	0.254	0.010	0.198	8.99E-145	0.000	0.003	0.889	0.020	656.376	TRUE	1.80E-131
PEF	LIPT1	rs62147652	A	T	-0.088	0.011	0.146	8.66E-15	-0.013	0.004	4.12E-04	0.002	60.176	TRUE	1.48E-10
PEF	LIPT1	rs62154518	C	T	-0.119	0.012	0.128	6.71E-23	-0.004	0.004	0.358	0.003	97.060	TRUE	5.35E-20
PEF	LIPT1	rs62158007	A	G	0.165	0.017	0.060	8.67E-23	0.004	0.005	0.431	0.003	96.552	TRUE	4.80E-20
PEF	LIPT1	rs6543485	T	C	-0.161	0.027	0.027	3.68E-09	-0.004	0.008	0.619	0.001	34.782	TRUE	3.84E-08
PEF	LIPT1	rs6715454	T	C	-0.072	0.008	0.415	2.85E-19	-0.004	0.003	0.117	0.003	80.531	TRUE	4.63E-16
PEF	LIPT1	rs6727412	C	T	-0.076	0.011	0.159	3.05E-12	0.004	0.003	0.284	0.002	48.653	TRUE	2.06E-10
PEF	LIPT1	rs6733135	T	C	-0.094	0.014	0.084	5.85E-11	-0.007	0.005	0.159	0.001	42.866	TRUE	4.70E-09
PEF	LIPT1	rs6743554	C	T	-0.095	0.008	0.363	5.09E-30	0.003	0.003	0.192	0.004	129.560	TRUE	8.03E-26
PEF	LIPT1	rs7586635	A	G	-0.379	0.011	0.165	6.92E-285	-0.006	0.004	0.110	0.039	1300.905	TRUE	8.67E-251
PEF	LIPT1	rs76903795	A	G	-0.375	0.039	0.021	1.08E-21	-0.005	0.008	0.560	0.003	91.552	TRUE	2.62E-19
PEF	LIPT1	rs77969922	A	G	-0.142	0.019	0.050	9.38E-14	0.007	0.006	0.185	0.002	55.490	TRUE	1.50E-11
PEF	LIPT1	rs78229753	T	G	-0.367	0.022	0.039	4.21E-62	0.013	0.007	0.072	0.009	276.547	TRUE	2.76E-53
PEF	LIPT1	rs78526837	A	G	-0.223	0.036	0.020	3.52E-10	-0.003	0.011	0.800	0.001	39.358	TRUE	3.06E-09
PEF	LIPT1	rs896884	C	T	-0.292	0.021	0.038	8.62E-45	0.007	0.008	0.383	0.006	197.165	TRUE	1.25E-39
PEF	LIPT1	rs9679481	G	A	0.066	0.010	0.214	1.02E-11	0.000	0.003	0.911	0.001	46.278	TRUE	9.17E-11
PEF	LOH12CR1	rs11054841	A	C	0.123	0.008	0.476	3.01E-54	-0.005	0.003	0.047	0.008	240.520	TRUE	4.89E-46

PEF	LOH12CR1	rs11054901	T	C	-0.183	0.014	0.083	4.31E-37	0.003	0.004	0.440	0.005	161.910	TRUE	7.03E-33
PEF	LOH12CR1	rs117414157	T	C	0.233	0.023	0.034	2.48E-24	-0.013	0.007	0.062	0.003	103.593	TRUE	3.84E-20
PEF	LOH12CR1	rs117669383	A	G	-0.214	0.039	0.015	4.79E-08	0.006	0.011	0.556	0.001	29.799	TRUE	4.32E-07
PEF	LOH12CR1	rs141364704	A	G	0.109	0.014	0.085	4.06E-14	-0.010	0.004	0.023	0.002	57.135	TRUE	5.16E-11
PEF	LOH12CR1	rs144242184	A	C	-0.248	0.042	0.016	4.56E-09	0.006	0.011	0.586	0.001	34.366	TRUE	5.00E-08
PEF	LOH12CR1	rs4763802	A	C	0.096	0.011	0.170	9.08E-18	-0.007	0.003	0.057	0.002	73.697	TRUE	1.88E-14
PEF	LOH12CR1	rs4763808	C	T	0.081	0.009	0.382	4.73E-18	-0.004	0.003	0.111	0.002	74.984	TRUE	5.18E-15
PEF	LOH12CR1	rs71457149	A	G	0.114	0.018	0.054	2.26E-10	0.010	0.005	0.050	0.001	40.224	TRUE	3.69E-08
PEF	LOH12CR1	rs75265307	A	G	-0.186	0.025	0.028	1.58E-13	0.001	0.006	0.885	0.002	54.470	TRUE	2.21E-12
PEF	LOH12CR1	rs7960048	G	T	-0.075	0.008	0.436	1.17E-20	0.007	0.003	0.007	0.003	86.850	TRUE	4.42E-16
PEF	LOH12CR1	rs7963688	A	G	0.150	0.013	0.123	1.29E-30	-0.019	0.004	9.06E-06	0.004	132.279	TRUE	2.42E-22
PEF	LTBR	rs10466905	A	G	-0.183	0.010	0.195	2.85E-68	0.001	0.003	0.850	0.010	304.859	TRUE	4.29E-62
PEF	LTBR	rs10774431	C	T	-0.059	0.008	0.508	2.65E-13	0.000	0.003	0.878	0.002	53.450	TRUE	3.69E-12
PEF	LTBR	rs10849440	T	C	0.227	0.028	0.034	1.47E-16	0.008	0.008	0.296	0.002	68.210	TRUE	3.05E-14
PEF	LTBR	rs112651654	T	C	0.236	0.029	0.024	2.39E-16	-0.005	0.007	0.487	0.002	67.249	TRUE	2.14E-14
PEF	LTBR	rs113108437	A	G	-0.209	0.034	0.018	1.17E-09	0.005	0.010	0.615	0.001	37.020	TRUE	1.38E-08
PEF	LTBR	rs113366126	T	C	-0.125	0.018	0.059	8.76E-12	-0.009	0.006	0.126	0.001	46.586	TRUE	1.12E-09
PEF	LTBR	rs117765687	T	A	0.097	0.017	0.059	3.01E-08	0.006	0.005	0.227	0.001	30.699	TRUE	7.40E-07
PEF	LTBR	rs138955568	T	C	-0.155	0.020	0.054	2.36E-14	0.000	0.006	0.972	0.002	58.204	TRUE	3.11E-13
PEF	LTBR	rs1800692	A	G	0.216	0.008	0.381	4.05E-154	0.005	0.003	0.083	0.022	699.351	TRUE	7.35E-135
PEF	LTBR	rs2302256	A	G	-0.075	0.013	0.113	2.50E-08	0.007	0.004	0.090	0.001	31.061	TRUE	1.27E-06
PEF	LTBR	rs2364480	C	A	0.295	0.010	0.236	1.08E-205	-0.006	0.003	0.029	0.029	936.552	TRUE	7.38E-179
PEF	LTBR	rs2886088	T	C	0.142	0.025	0.030	1.88E-08	-0.008	0.008	0.289	0.001	31.609	TRUE	3.88E-07
PEF	LTBR	rs34819705	C	G	-0.074	0.013	0.107	1.13E-08	-0.005	0.004	0.258	0.001	32.598	TRUE	2.79E-07
PEF	LTBR	rs3764875	C	T	-0.081	0.010	0.358	2.06E-17	-0.003	0.003	0.276	0.002	72.086	TRUE	6.12E-15
PEF	LTBR	rs4149579	T	C	0.157	0.018	0.067	3.91E-19	0.010	0.005	0.043	0.003	79.911	TRUE	1.72E-15
PEF	LTBR	rs4764547	A	G	0.099	0.014	0.094	5.80E-13	0.003	0.004	0.488	0.002	51.909	TRUE	2.18E-11
PEF	LTBR	rs4764580	T	C	-0.103	0.010	0.429	2.49E-23	0.000	0.003	0.998	0.003	99.021	TRUE	1.76E-21
PEF	LTBR	rs78230818	A	G	-0.144	0.021	0.048	6.42E-12	-0.012	0.006	0.029	0.001	47.194	TRUE	2.84E-09
PEF	LTBR	rs887479	G	C	0.094	0.010	0.225	1.35E-20	0.001	0.003	0.678	0.003	86.559	TRUE	1.66E-18
PEF	MAPK3	rs1050881	T	C	0.147	0.015	0.083	5.50E-22	0.002	0.005	0.731	0.003	92.894	TRUE	7.68E-20
PEF	MAPK3	rs112294239	T	C	-0.300	0.019	0.052	6.05E-59	-0.007	0.005	0.196	0.008	262.061	TRUE	1.73E-51
PEF	MAPK3	rs113199118	A	G	-0.134	0.024	0.032	1.79E-08	-0.008	0.008	0.333	0.001	31.708	TRUE	3.23E-07
PEF	MAPK3	rs11648675	C	T	-0.087	0.010	0.307	5.26E-18	-0.004	0.003	0.107	0.002	74.776	TRUE	6.54E-15
PEF	MAPK3	rs117210898	T	C	-0.225	0.020	0.049	3.71E-29	-0.016	0.006	0.006	0.004	125.621	TRUE	3.74E-23
PEF	MAPK3	rs117391625	T	C	-0.160	0.015	0.081	1.34E-25	-0.004	0.005	0.323	0.003	109.377	TRUE	2.48E-22
PEF	MAPK3	rs117548034	G	A	-0.247	0.029	0.025	2.85E-17	0.006	0.007	0.373	0.002	71.438	TRUE	5.06E-15
PEF	MAPK3	rs11859842	T	C	0.121	0.008	0.515	2.67E-52	0.003	0.003	0.290	0.007	231.584	TRUE	5.69E-46
PEF	MAPK3	rs12102367	T	C	0.128	0.013	0.110	2.07E-23	-0.003	0.004	0.435	0.003	99.382	TRUE	1.25E-20
PEF	MAPK3	rs139148055	T	C	-0.370	0.046	0.017	4.59E-16	0.015	0.016	0.337	0.002	65.963	TRUE	6.83E-14
PEF	MAPK3	rs141162502	T	C	0.259	0.041	0.019	2.55E-10	0.000	0.009	0.963	0.001	39.988	TRUE	1.56E-09
PEF	MAPK3	rs141989501	C	G	0.208	0.036	0.017	6.00E-09	0.006	0.010	0.549	0.001	33.833	TRUE	6.95E-08

PEF	MAPK3	rs142097700	A	G	0.284	0.041	0.014	7.52E-12	0.016	0.009	0.077	0.001	46.884	TRUE	1.59E-09
PEF	MAPK3	rs143242484	T	C	0.466	0.023	0.040	9.64E-95	-0.001	0.006	0.834	0.013	426.420	TRUE	4.77E-86
PEF	MAPK3	rs146414244	T	C	-0.158	0.027	0.030	5.37E-09	0.011	0.008	0.169	0.001	34.050	TRUE	2.20E-07
PEF	MAPK3	rs147553474	C	T	0.425	0.025	0.037	2.95E-67	0.008	0.006	0.149	0.009	300.200	TRUE	1.41E-58
PEF	MAPK3	rs147785243	G	A	0.243	0.040	0.026	1.62E-09	0.010	0.007	0.165	0.001	36.385	TRUE	7.78E-08
PEF	MAPK3	rs148266117	G	A	0.218	0.034	0.026	2.26E-10	0.012	0.012	0.308	0.001	40.223	TRUE	7.88E-09
PEF	MAPK3	rs149522395	G	A	0.333	0.060	0.016	3.60E-08	-0.005	0.010	0.593	0.001	30.354	TRUE	3.11E-07
PEF	MAPK3	rs149774427	A	G	-0.335	0.039	0.017	1.13E-17	-0.004	0.009	0.633	0.002	73.266	TRUE	8.26E-16
PEF	MAPK3	rs149918713	T	C	0.252	0.045	0.021	1.64E-08	0.004	0.012	0.717	0.001	31.878	TRUE	1.18E-07
PEF	MAPK3	rs150773264	A	G	0.252	0.017	0.062	7.19E-52	0.006	0.005	0.253	0.007	229.610	TRUE	1.81E-45
PEF	MAPK3	rs189384733	A	G	0.501	0.066	0.016	3.14E-14	0.015	0.015	0.333	0.002	57.644	TRUE	2.88E-12
PEF	MAPK3	rs193301319	T	C	-0.218	0.036	0.016	2.07E-09	-0.005	0.010	0.594	0.001	35.906	TRUE	2.45E-08
PEF	MAPK3	rs2003857	A	G	-0.134	0.021	0.055	1.06E-10	-0.007	0.005	0.191	0.001	41.698	TRUE	6.58E-09
PEF	MAPK3	rs235645	A	G	0.075	0.010	0.489	1.16E-13	0.005	0.003	0.061	0.002	55.079	TRUE	5.59E-11
PEF	MAPK3	rs3087439	T	C	-0.250	0.016	0.074	2.27E-58	-0.004	0.005	0.358	0.008	259.425	TRUE	1.15E-51
PEF	MAPK3	rs34640030	A	G	-0.223	0.029	0.023	2.81E-14	0.003	0.009	0.766	0.002	57.860	TRUE	6.39E-13
PEF	MAPK3	rs34679599	T	C	-0.408	0.017	0.071	7.53E-134	-0.002	0.005	0.663	0.019	606.155	TRUE	1.04E-120
PEF	MAPK3	rs34843513	G	A	0.318	0.024	0.034	5.58E-40	0.011	0.008	0.148	0.005	175.127	TRUE	2.02E-34
PEF	MAPK3	rs35388821	G	A	-0.070	0.012	0.150	6.70E-09	-0.003	0.003	0.332	0.001	33.617	TRUE	1.39E-07
PEF	MAPK3	rs35478648	G	T	-0.369	0.017	0.069	7.64E-105	-0.012	0.005	0.010	0.015	472.831	TRUE	3.77E-89
PEF	MAPK3	rs4243233	G	A	0.065	0.008	0.445	5.81E-16	0.002	0.003	0.513	0.002	65.496	TRUE	4.25E-14
PEF	MAPK3	rs4471699	T	G	-0.375	0.008	0.435	0.00E+00	-0.010	0.003	5.49E-05	0.067	2272.880	TRUE	0.00E+00
PEF	MAPK3	rs4548895	G	A	0.411	0.008	0.413	0.00E+00	0.008	0.003	0.001	0.074	2537.621	TRUE	0.00E+00
PEF	MAPK3	rs4787482	T	G	-0.187	0.009	0.305	1.81E-88	0.000	0.003	0.896	0.012	397.601	TRUE	1.68E-80
PEF	MAPK3	rs55680039	G	T	-0.506	0.024	0.036	5.76E-102	-0.006	0.007	0.396	0.014	459.611	TRUE	5.95E-91
PEF	MAPK3	rs56000057	C	G	0.174	0.030	0.027	7.23E-09	-0.001	0.006	0.878	0.001	33.471	TRUE	3.98E-08
PEF	MAPK3	rs56329348	A	G	0.493	0.026	0.031	1.86E-79	0.025	0.007	1.98E-04	0.011	356.212	TRUE	1.83E-64
PEF	MAPK3	rs56353063	C	G	-0.145	0.010	0.227	2.73E-51	-0.002	0.003	0.556	0.007	226.959	TRUE	5.90E-46
PEF	MAPK3	rs59650907	A	G	0.070	0.012	0.176	1.54E-09	0.004	0.003	0.255	0.001	36.477	TRUE	4.93E-08
PEF	MAPK3	rs62055389	G	T	0.426	0.018	0.063	2.25E-124	0.000	0.005	0.998	0.017	562.592	TRUE	2.03E-113
PEF	MAPK3	rs67693285	G	T	-0.130	0.008	0.481	5.23E-59	-0.008	0.003	0.003	0.008	262.350	TRUE	2.86E-48
PEF	MAPK3	rs7190269	A	C	0.186	0.009	0.310	8.40E-103	0.004	0.003	0.096	0.014	463.449	TRUE	1.09E-89
PEF	MAPK3	rs72791208	T	C	0.418	0.027	0.027	1.39E-53	0.000	0.007	0.976	0.007	237.466	TRUE	4.69E-49
PEF	MAPK3	rs72798125	T	C	0.209	0.022	0.048	7.62E-22	0.010	0.006	0.071	0.003	92.250	TRUE	4.48E-18
PEF	MAPK3	rs73534263	G	A	0.117	0.011	0.162	1.41E-24	0.004	0.004	0.280	0.003	104.704	TRUE	2.63E-21
PEF	MAPK3	rs74776661	A	C	-0.257	0.036	0.018	8.53E-13	0.018	0.012	0.136	0.002	51.154	TRUE	1.45E-10
PEF	MAPK3	rs77250249	A	G	0.351	0.052	0.015	2.05E-11	0.004	0.012	0.704	0.001	44.919	TRUE	2.92E-10
PEF	MAPK3	rs77871165	C	T	0.457	0.032	0.020	1.33E-46	0.000	0.009	0.980	0.006	205.468	TRUE	1.06E-42
PEF	MAPK3	rs80273739	G	A	-0.404	0.026	0.030	3.44E-56	0.001	0.006	0.927	0.008	249.423	TRUE	2.66E-51
PEF	MAPK3	rs8047140	T	C	0.149	0.012	0.145	3.13E-36	-0.002	0.004	0.556	0.005	157.963	TRUE	2.22E-32
PEF	MAPK3	rs873623	T	C	-0.084	0.010	0.232	2.36E-18	-0.001	0.003	0.633	0.002	76.362	TRUE	2.04E-16
PEF	MAPK3	rs9796793	A	G	0.284	0.016	0.073	1.15E-68	0.019	0.007	0.011	0.010	306.667	TRUE	1.56E-57

PEF	MAPK7	rs12325948	T	C	-0.167	0.027	0.035	2.97E-10	-0.014	0.011	0.188	0.001	39.690	TRUE	1.63E-08
PEF	MAPK7	rs7502682	G	T	-0.134	0.009	0.248	4.16E-47	0.008	0.003	0.007	0.007	207.779	TRUE	1.31E-38
PEF	MAPK7	rs79259362	G	A	0.072	0.011	0.168	2.86E-11	-0.002	0.003	0.507	0.001	44.265	TRUE	6.59E-10
PEF	MAPK9	rs10036834	G	A	-0.050	0.008	0.335	3.98E-09	-0.002	0.003	0.365	0.001	34.631	TRUE	7.73E-08
PEF	MAPK9	rs10071527	T	C	0.117	0.013	0.112	1.79E-19	0.007	0.004	0.107	0.003	81.457	TRUE	3.16E-16
PEF	MAPK9	rs111531999	A	G	0.087	0.016	0.068	4.39E-08	-0.008	0.005	0.114	0.001	29.967	TRUE	1.77E-06
PEF	MAPK9	rs113122244	G	T	0.206	0.021	0.041	3.49E-22	-0.001	0.006	0.888	0.003	93.797	TRUE	2.82E-20
PEF	MAPK9	rs113252160	A	G	-0.228	0.026	0.025	5.49E-18	0.004	0.008	0.598	0.002	74.693	TRUE	4.84E-16
PEF	MAPK9	rs11744336	T	C	0.341	0.043	0.014	3.98E-15	-0.009	0.010	0.356	0.002	61.703	TRUE	4.30E-13
PEF	MAPK9	rs139612793	T	C	-0.106	0.013	0.103	3.48E-15	0.005	0.004	0.257	0.002	61.970	TRUE	5.72E-13
PEF	MAPK9	rs144862010	A	G	-0.212	0.035	0.017	2.04E-09	-0.006	0.011	0.603	0.001	35.935	TRUE	2.33E-08
PEF	MAPK9	rs183870701	A	G	-0.202	0.033	0.018	5.51E-10	-0.002	0.009	0.874	0.001	38.485	TRUE	3.89E-09
PEF	MAPK9	rs185965831	T	C	0.217	0.033	0.019	7.92E-11	0.016	0.010	0.117	0.001	42.276	TRUE	8.11E-09
PEF	MAPK9	rs189372226	A	G	0.251	0.044	0.015	1.60E-08	-0.008	0.010	0.411	0.001	31.923	TRUE	2.38E-07
PEF	MAPK9	rs2083965	C	T	0.103	0.008	0.460	6.89E-38	0.002	0.003	0.336	0.005	165.554	TRUE	2.63E-33
PEF	MAPK9	rs34280668	A	C	-0.166	0.026	0.032	8.36E-11	0.002	0.007	0.781	0.001	42.169	TRUE	8.65E-10
PEF	MAPK9	rs4274946	C	G	-0.254	0.012	0.128	4.01E-99	-0.003	0.004	0.456	0.014	446.551	TRUE	1.20E-88
PEF	MAPK9	rs4572964	A	G	-0.146	0.019	0.051	5.74E-14	0.006	0.006	0.322	0.002	56.454	TRUE	5.25E-12
PEF	MAPK9	rs4700727	A	G	-0.112	0.018	0.053	3.90E-10	0.004	0.005	0.512	0.001	39.160	TRUE	6.64E-09
PEF	MAPK9	rs4700912	C	T	0.056	0.010	0.455	1.02E-08	0.006	0.003	0.019	0.001	32.808	TRUE	1.47E-06
PEF	MAPK9	rs4700914	G	A	0.053	0.008	0.474	5.38E-11	0.002	0.003	0.373	0.001	43.031	TRUE	1.74E-09
PEF	MAPK9	rs56330759	G	A	0.067	0.008	0.397	1.51E-15	0.001	0.003	0.622	0.002	63.609	TRUE	7.13E-14
PEF	MAPK9	rs58265209	A	G	0.057	0.009	0.262	4.82E-10	-0.002	0.003	0.458	0.001	38.746	TRUE	9.55E-09
PEF	MAPK9	rs62405491	T	C	0.063	0.008	0.429	6.23E-15	-0.001	0.003	0.690	0.002	60.824	TRUE	2.05E-13
PEF	MAPK9	rs62406101	A	G	-0.137	0.011	0.153	5.56E-35	-0.005	0.003	0.126	0.005	152.251	TRUE	6.92E-30
PEF	MAPK9	rs6601106	T	C	0.267	0.008	0.394	8.06E-242	-0.007	0.003	0.006	0.034	1102.750	TRUE	2.06E-208
PEF	MAPK9	rs6601111	T	C	-0.167	0.021	0.037	2.90E-15	-0.009	0.006	0.146	0.002	62.330	TRUE	9.86E-13
PEF	MAPK9	rs7380019	C	T	0.060	0.008	0.414	5.42E-13	0.005	0.003	0.036	0.002	52.044	TRUE	2.97E-10
PEF	MAPK9	rs7721160	G	A	-0.099	0.011	0.154	3.40E-19	0.002	0.004	0.680	0.003	80.184	TRUE	3.12E-17
PEF	MAPK9	rs780130	A	G	-0.140	0.023	0.037	1.63E-09	-0.002	0.007	0.755	0.001	36.375	TRUE	1.35E-08
PEF	MAPK9	rs79764192	A	C	0.135	0.012	0.140	1.67E-31	-0.005	0.004	0.168	0.004	136.339	TRUE	5.08E-27
PEF	MAPK9	rs79855843	G	A	0.278	0.018	0.056	4.41E-54	0.000	0.005	0.994	0.008	239.757	TRUE	1.46E-49
PEF	MEFV	rs1076572	A	G	-0.087	0.010	0.280	8.77E-19	-0.002	0.003	0.596	0.002	78.314	TRUE	9.47E-17
PEF	MEFV	rs113492576	T	C	0.350	0.054	0.016	7.27E-11	0.001	0.009	0.918	0.001	42.443	TRUE	5.53E-10
PEF	MEFV	rs11466011	T	C	0.231	0.030	0.024	6.88E-15	0.003	0.007	0.722	0.002	60.627	TRUE	2.06E-13
PEF	MEFV	rs11466021	G	A	-0.273	0.035	0.017	4.19E-15	-0.014	0.009	0.116	0.002	61.606	TRUE	1.75E-12
PEF	MEFV	rs117066731	A	G	0.450	0.061	0.014	1.66E-13	0.014	0.011	0.193	0.002	54.370	TRUE	2.44E-11
PEF	MEFV	rs117450234	G	T	-0.318	0.028	0.025	6.66E-29	-0.015	0.007	0.049	0.004	124.457	TRUE	5.65E-24
PEF	MEFV	rs117489415	G	A	-0.209	0.038	0.016	4.93E-08	-0.001	0.012	0.926	0.001	29.742	TRUE	2.09E-07
PEF	MEFV	rs146916510	A	G	0.245	0.043	0.022	1.39E-08	0.008	0.010	0.396	0.001	32.206	TRUE	2.16E-07
PEF	MEFV	rs2075852	C	T	-0.301	0.008	0.478	0.00E+00	-0.007	0.003	0.007	0.045	1495.523	TRUE	8.11E-283
PEF	MEFV	rs224176	G	A	-0.172	0.015	0.077	2.37E-30	-0.009	0.004	0.038	0.004	131.081	TRUE	4.25E-25

PEF	MEFV	rs224235	A	G	0.337	0.021	0.048	4.26E-57	0.001	0.006	0.855	0.008	253.585	TRUE	5.66E-52
PEF	MEFV	rs382073	T	G	0.057	0.008	0.406	2.58E-12	-0.001	0.003	0.680	0.002	48.980	TRUE	4.91E-11
PEF	MEFV	rs45532536	T	G	0.138	0.023	0.037	3.33E-09	0.001	0.006	0.902	0.001	34.978	TRUE	1.89E-08
PEF	MEFV	rs55877753	A	C	0.360	0.028	0.028	2.17E-38	0.005	0.007	0.465	0.005	167.848	TRUE	4.13E-34
PEF	MEFV	rs61731422	T	C	0.291	0.024	0.034	1.04E-32	0.007	0.007	0.270	0.004	141.853	TRUE	1.76E-28
PEF	MEFV	rs7201625	G	T	0.181	0.016	0.065	1.88E-29	0.009	0.006	0.097	0.004	126.973	TRUE	6.86E-25
PEF	MEFV	rs76749769	T	C	-0.249	0.015	0.081	5.38E-65	0.002	0.004	0.700	0.009	289.823	TRUE	1.07E-58
PEF	MEFV	rs8052002	C	G	0.058	0.011	0.242	4.52E-08	-0.005	0.003	0.086	0.001	29.910	TRUE	2.21E-06
PEF	MFF	rs10201602	G	A	0.106	0.010	0.225	1.09E-28	0.003	0.003	0.372	0.004	123.478	TRUE	3.21E-25
PEF	MFF	rs112954207	T	C	0.153	0.026	0.026	3.49E-09	-0.004	0.010	0.726	0.001	34.888	TRUE	2.85E-08
PEF	MFF	rs115354620	G	A	0.285	0.034	0.017	4.00E-17	0.012	0.010	0.219	0.002	70.774	TRUE	1.45E-14
PEF	MFF	rs116390470	C	T	-0.240	0.039	0.015	1.08E-09	-0.017	0.010	0.083	0.001	37.174	TRUE	9.84E-08
PEF	MFF	rs11891024	T	C	0.061	0.009	0.274	6.82E-12	0.004	0.003	0.168	0.001	47.076	TRUE	7.23E-10
PEF	MFF	rs12619675	G	A	-0.167	0.009	0.265	1.26E-77	-0.005	0.003	0.102	0.011	347.808	TRUE	2.36E-67
PEF	MFF	rs12694724	A	G	0.073	0.008	0.438	9.10E-20	0.002	0.003	0.523	0.003	82.790	TRUE	1.67E-17
PEF	MFF	rs142376350	A	G	-0.225	0.032	0.020	1.23E-12	0.002	0.008	0.769	0.002	50.432	TRUE	1.97E-11
PEF	MFF	rs148613546	A	G	-0.256	0.025	0.029	4.91E-25	0.004	0.007	0.507	0.003	106.797	TRUE	3.19E-22
PEF	MFF	rs6756898	C	T	0.067	0.009	0.252	2.19E-13	0.004	0.003	0.251	0.002	53.822	TRUE	2.37E-11
PEF	MFF	rs73997146	A	G	-0.113	0.018	0.055	7.61E-10	0.001	0.005	0.764	0.001	37.854	TRUE	6.53E-09
PEF	MFF	rs7572491	A	G	0.229	0.008	0.402	3.13E-180	0.006	0.003	0.032	0.025	819.436	TRUE	1.57E-156
PEF	MFF	rs78814247	T	G	-0.130	0.019	0.051	2.16E-11	-0.006	0.005	0.273	0.001	44.821	TRUE	1.15E-09
PEF	MFF	rs79197287	A	G	-0.112	0.018	0.051	4.81E-10	0.003	0.006	0.575	0.001	38.750	TRUE	6.89E-09
PEF	MYL6	rs1274494	C	T	0.180	0.028	0.023	1.09E-10	0.006	0.009	0.508	0.001	41.652	TRUE	2.16E-09
PEF	MYL6	rs35436573	A	G	0.197	0.015	0.079	7.75E-41	0.015	0.004	7.98E-04	0.006	179.056	TRUE	3.36E-32
PEF	NEDD4	rs11071224	G	A	-0.104	0.018	0.052	7.44E-09	0.014	0.006	0.024	0.001	33.413	TRUE	1.08E-06
PEF	NEDD4	rs11071225	G	C	0.132	0.008	0.366	1.23E-56	0.004	0.003	0.108	0.008	251.477	TRUE	7.64E-49
PEF	NEDD4	rs113043405	T	C	0.225	0.034	0.018	3.80E-11	-0.015	0.010	0.133	0.001	43.713	TRUE	3.87E-09
PEF	NEDD4	rs117314522	A	G	0.394	0.062	0.012	2.37E-10	0.015	0.013	0.245	0.001	40.130	TRUE	1.04E-08
PEF	NEDD4	rs118050123	C	T	-0.206	0.021	0.040	2.39E-22	0.016	0.006	0.008	0.003	94.547	TRUE	1.47E-17
PEF	NEDD4	rs12438587	T	C	0.229	0.018	0.053	1.57E-37	0.003	0.006	0.659	0.005	163.912	TRUE	8.55E-34
PEF	NEDD4	rs12441843	C	G	0.315	0.012	0.125	2.76E-154	0.000	0.004	0.997	0.022	700.121	TRUE	1.84E-140
PEF	NEDD4	rs12595514	C	A	0.674	0.018	0.053	0.00E+00	-0.017	0.008	0.029	0.043	1432.700	TRUE	2.19E-273
PEF	NEDD4	rs12903464	T	C	0.056	0.009	0.261	7.08E-10	0.004	0.003	0.232	0.001	37.995	TRUE	2.89E-08
PEF	NEDD4	rs12907507	T	C	0.047	0.008	0.493	2.76E-09	0.003	0.003	0.246	0.001	35.346	TRUE	8.68E-08
PEF	NEDD4	rs149299658	C	T	-0.164	0.015	0.091	1.17E-29	0.005	0.005	0.326	0.004	127.903	TRUE	6.13E-26
PEF	NEDD4	rs181577594	C	A	-0.219	0.019	0.045	9.30E-30	-0.002	0.006	0.674	0.004	128.366	TRUE	8.70E-27
PEF	NEDD4	rs184488594	T	C	0.308	0.055	0.013	1.79E-08	-0.005	0.011	0.646	0.001	31.704	TRUE	1.50E-07
PEF	NEDD4	rs28472908	A	G	0.222	0.011	0.368	7.46E-95	0.003	0.003	0.277	0.013	426.934	TRUE	6.71E-84
PEF	NEDD4	rs28655042	C	A	0.142	0.024	0.033	1.57E-09	0.018	0.010	0.084	0.001	36.443	TRUE	1.33E-07
PEF	NEDD4	rs33999564	T	C	-0.067	0.011	0.158	7.90E-10	-0.003	0.003	0.302	0.001	37.783	TRUE	2.37E-08
PEF	NEDD4	rs4774239	A	T	0.061	0.008	0.340	3.23E-13	-0.007	0.003	0.012	0.002	53.062	TRUE	4.10E-10
PEF	NEDD4	rs56109562	C	G	-0.151	0.013	0.099	6.88E-30	-0.010	0.004	0.022	0.004	128.964	TRUE	1.88E-24

PEF	NEDD4	rs622097	T	C	-0.051	0.008	0.332	2.38E-09	-0.001	0.003	0.741	0.001	35.636	TRUE	2.00E-08
PEF	NEDD4	rs72732212	T	C	0.206	0.025	0.034	8.26E-17	-0.005	0.008	0.566	0.002	69.341	TRUE	6.10E-15
PEF	NEDD4	rs76453161	C	T	0.148	0.026	0.025	2.42E-08	0.005	0.006	0.437	0.001	31.119	TRUE	3.20E-07
PEF	NEDD4	rs77808902	G	A	0.734	0.132	0.011	3.00E-08	-0.010	0.012	0.417	0.001	30.708	TRUE	4.05E-07
PEF	NEDD4	rs8043287	C	T	-0.221	0.009	0.281	5.63E-137	0.003	0.003	0.236	0.019	620.527	TRUE	2.59E-121
PEF	NEDD4	rs933998	C	A	-0.126	0.012	0.133	1.10E-26	0.003	0.004	0.498	0.004	114.328	TRUE	1.11E-23
PEF	NPC2	rs10146860	T	G	0.063	0.010	0.327	1.22E-09	-0.009	0.003	8.16E-04	0.001	36.937	TRUE	1.18E-06
PEF	NPC2	rs10220695	G	C	0.093	0.017	0.061	2.32E-08	0.015	0.005	0.005	0.001	31.201	TRUE	5.75E-06
PEF	NPC2	rs11625990	A	G	0.060	0.009	0.405	2.97E-12	-0.003	0.003	0.205	0.002	48.703	TRUE	2.80E-10
PEF	NPC2	rs117238791	T	C	0.176	0.030	0.023	5.81E-09	-0.004	0.008	0.638	0.001	33.894	TRUE	5.55E-08
PEF	NPC2	rs117409005	A	G	-0.171	0.016	0.070	1.41E-26	0.000	0.005	0.930	0.004	113.834	TRUE	2.43E-24
PEF	NPC2	rs117994407	T	C	-0.337	0.030	0.023	3.98E-30	0.018	0.009	0.047	0.004	130.052	TRUE	5.15E-25
PEF	NPC2	rs12889797	A	G	-0.162	0.010	0.205	1.66E-58	-0.002	0.004	0.566	0.008	260.049	TRUE	1.79E-52
PEF	NPC2	rs3825711	G	C	0.109	0.020	0.044	2.72E-08	0.000	0.009	0.995	0.001	30.896	TRUE	1.06E-07
PEF	NPC2	rs4903222	T	G	0.123	0.010	0.191	2.06E-32	-0.006	0.003	0.048	0.004	140.499	TRUE	5.04E-27
PEF	NPC2	rs57404741	T	C	-0.073	0.012	0.143	4.33E-10	-0.005	0.004	0.160	0.001	38.955	TRUE	2.68E-08
PEF	NPC2	rs61734850	C	G	0.086	0.013	0.111	3.39E-11	-0.008	0.004	0.060	0.001	43.933	TRUE	6.70E-09
PEF	NPC2	rs7145480	A	G	0.201	0.028	0.026	2.91E-13	-0.004	0.007	0.507	0.002	53.264	TRUE	1.11E-11
PEF	NPC2	rs75441777	T	G	-0.199	0.029	0.022	7.26E-12	-0.004	0.009	0.674	0.001	46.952	TRUE	1.23E-10
PEF	NPC2	rs75672081	T	C	0.192	0.022	0.034	1.35E-17	-0.003	0.006	0.604	0.002	72.920	TRUE	1.06E-15
PEF	NPC2	rs76766564	A	C	-0.189	0.025	0.033	3.11E-14	-0.001	0.007	0.847	0.002	57.659	TRUE	5.59E-13
PEF	NPC2	rs79515561	T	C	-0.206	0.019	0.056	3.32E-27	0.011	0.005	0.026	0.004	116.703	TRUE	3.32E-22
PEF	NPC2	rs8003055	C	A	0.059	0.009	0.276	4.26E-11	-0.001	0.003	0.702	0.001	43.489	TRUE	5.79E-10
PEF	NPC2	rs862036	T	C	0.135	0.008	0.374	8.67E-61	-0.001	0.003	0.625	0.008	270.518	TRUE	1.10E-54
PEF	NQO1	rs11537663	A	T	-0.100	0.017	0.065	2.22E-09	0.002	0.005	0.620	0.001	35.768	TRUE	2.40E-08
PEF	NQO1	rs11646092	A	G	0.130	0.022	0.042	4.10E-09	0.002	0.008	0.845	0.001	34.572	TRUE	2.57E-08
PEF	NQO1	rs117888798	G	A	0.223	0.040	0.015	2.39E-08	-0.019	0.012	0.113	0.001	31.143	TRUE	1.05E-06
PEF	NQO1	rs13333427	G	A	0.222	0.019	0.044	2.49E-30	0.000	0.005	0.944	0.004	130.981	TRUE	8.89E-28
PEF	NQO1	rs2917667	A	G	0.364	0.012	0.133	9.22E-200	-0.009	0.004	0.026	0.028	909.267	TRUE	1.58E-173
PEF	NQO1	rs35921615	C	T	0.101	0.015	0.077	4.57E-11	-0.003	0.005	0.484	0.001	43.349	TRUE	1.09E-09
PEF	NQO1	rs7193221	G	C	-0.077	0.008	0.369	5.93E-21	-0.006	0.003	0.025	0.003	88.189	TRUE	7.65E-17
PEF	NQO1	rs7499710	C	A	0.105	0.010	0.269	8.19E-28	0.000	0.003	0.982	0.004	119.479	TRUE	1.55E-25
PEF	NQO1	rs77972055	C	T	0.372	0.029	0.024	1.15E-37	0.003	0.008	0.712	0.005	164.542	TRUE	5.18E-34
PEF	NQO1	rs9922520	A	G	-0.092	0.009	0.328	2.06E-24	0.004	0.003	0.115	0.003	103.960	TRUE	1.38E-20
PEF	NQO1	rs9929531	C	T	0.062	0.010	0.289	1.53E-09	-0.003	0.003	0.286	0.001	36.494	TRUE	4.57E-08
PEF	OPTN	rs10796020	C	T	0.092	0.008	0.463	3.81E-30	-0.002	0.003	0.540	0.004	130.139	TRUE	7.21E-27
PEF	OPTN	rs10796043	G	T	0.063	0.011	0.167	4.03E-09	-0.004	0.004	0.275	0.001	34.608	TRUE	1.07E-07
PEF	OPTN	rs10906264	C	T	-0.076	0.014	0.094	2.02E-08	-0.001	0.004	0.757	0.001	31.477	TRUE	1.27E-07
PEF	OPTN	rs10906283	A	C	-0.078	0.014	0.094	8.90E-09	-0.003	0.004	0.457	0.001	33.065	TRUE	1.25E-07
PEF	OPTN	rs10906316	C	T	0.057	0.008	0.456	3.99E-12	-0.002	0.003	0.512	0.002	48.127	TRUE	1.13E-10
PEF	OPTN	rs11257655	T	C	0.068	0.010	0.209	2.98E-12	-0.025	0.003	1.38E-15	0.002	48.698	TRUE	1.26E-05
PEF	OPTN	rs11258186	G	A	0.167	0.025	0.026	2.61E-11	0.001	0.008	0.926	0.001	44.446	TRUE	2.13E-10

PEF	OPTN	rs112628075	A	G	0.156	0.018	0.067	1.40E-18	0.002	0.005	0.712	0.002	77.397	TRUE	9.65E-17
PEF	OPTN	rs113365968	A	G	-0.199	0.023	0.034	2.68E-18	0.002	0.007	0.814	0.002	76.110	TRUE	1.23E-16
PEF	OPTN	rs11594303	T	C	-0.193	0.023	0.037	1.10E-16	-0.012	0.005	0.020	0.002	68.786	TRUE	3.98E-13
PEF	OPTN	rs117538644	C	T	-0.235	0.026	0.031	1.17E-19	0.007	0.006	0.233	0.003	82.300	TRUE	8.05E-17
PEF	OPTN	rs117894790	C	A	0.113	0.019	0.052	3.07E-09	-0.002	0.007	0.817	0.001	35.134	TRUE	2.10E-08
PEF	OPTN	rs12775115	G	A	-0.051	0.009	0.305	4.12E-09	-0.002	0.003	0.559	0.001	34.565	TRUE	4.93E-08
PEF	OPTN	rs17597413	G	A	-0.400	0.016	0.071	8.00E-142	-0.008	0.005	0.094	0.020	642.814	TRUE	3.78E-124
PEF	OPTN	rs185705950	T	C	-0.428	0.039	0.016	5.06E-28	0.006	0.009	0.472	0.004	120.434	TRUE	7.93E-25
PEF	OPTN	rs2580901	A	G	0.066	0.008	0.479	7.63E-17	0.006	0.003	0.025	0.002	69.498	TRUE	2.37E-13
PEF	OPTN	rs35248101	C	A	0.245	0.029	0.023	9.78E-17	0.014	0.009	0.107	0.002	69.008	TRUE	7.43E-14
PEF	OPTN	rs473278	C	G	-0.130	0.010	0.204	6.84E-39	0.001	0.003	0.671	0.005	170.146	TRUE	4.82E-35
PEF	OPTN	rs55977440	C	T	-0.230	0.008	0.525	2.58E-187	-0.004	0.003	0.091	0.026	852.010	TRUE	2.98E-164
PEF	OPTN	rs58505537	A	G	-0.423	0.009	0.270	0.00E+00	-0.007	0.003	0.012	0.070	2400.063	TRUE	0.00E+00
PEF	OPTN	rs61259411	G	A	0.089	0.011	0.150	2.55E-15	0.003	0.003	0.349	0.002	62.586	TRUE	2.96E-13
PEF	OPTN	rs7072752	A	G	0.134	0.009	0.349	9.18E-52	-0.005	0.003	0.080	0.007	229.126	TRUE	2.56E-44
PEF	OPTN	rs7090451	C	G	-0.065	0.010	0.200	9.17E-11	0.003	0.003	0.321	0.001	41.988	TRUE	3.42E-09
PEF	OPTN	rs7091832	G	A	0.067	0.009	0.313	9.17E-15	0.001	0.003	0.593	0.002	60.062	TRUE	3.75E-13
PEF	OPTN	rs78411037	C	G	0.071	0.011	0.152	1.67E-10	-0.002	0.003	0.519	0.001	40.822	TRUE	3.11E-09
PEF	ORMDL3	rs1009727	A	G	-0.056	0.009	0.305	1.48E-10	0.000	0.003	0.998	0.001	41.052	TRUE	8.75E-10
PEF	ORMDL3	rs10305287	C	A	-0.299	0.042	0.016	1.66E-12	0.007	0.010	0.521	0.002	49.852	TRUE	5.01E-11
PEF	ORMDL3	rs10305295	G	T	0.184	0.022	0.038	2.93E-17	0.005	0.006	0.468	0.002	71.384	TRUE	3.51E-15
PEF	ORMDL3	rs11078892	T	C	0.075	0.010	0.473	5.24E-14	0.004	0.003	0.103	0.002	56.634	TRUE	1.81E-11
PEF	ORMDL3	rs11078916	T	C	0.340	0.009	0.291	0.00E+00	-0.007	0.003	0.012	0.048	1587.200	TRUE	5.56E-301
PEF	ORMDL3	rs11079074	T	C	-0.088	0.008	0.440	5.23E-28	0.004	0.003	0.136	0.004	120.368	TRUE	8.95E-24
PEF	ORMDL3	rs112433793	G	A	0.097	0.013	0.135	1.00E-14	-0.002	0.004	0.677	0.002	59.888	TRUE	3.18E-13
PEF	ORMDL3	rs113235009	G	T	-0.097	0.015	0.076	1.23E-10	0.008	0.005	0.089	0.001	41.412	TRUE	1.49E-08
PEF	ORMDL3	rs113557550	T	C	0.143	0.019	0.050	1.16E-13	-0.004	0.006	0.484	0.002	55.065	TRUE	5.30E-12
PEF	ORMDL3	rs113930796	C	T	0.428	0.025	0.030	3.00E-64	-0.001	0.008	0.902	0.009	286.397	TRUE	1.42E-58
PEF	ORMDL3	rs11652139	G	A	-0.353	0.008	0.403	0.00E+00	0.007	0.005	0.117	0.059	1979.006	TRUE	0.00E+00
PEF	ORMDL3	rs117270499	G	A	-0.468	0.030	0.024	2.91E-54	0.002	0.007	0.781	0.008	240.582	TRUE	3.30E-49
PEF	ORMDL3	rs117302117	T	C	-0.192	0.034	0.017	1.72E-08	-0.006	0.009	0.492	0.001	31.783	TRUE	2.04E-07
PEF	ORMDL3	rs117362920	C	A	0.404	0.030	0.023	1.89E-41	-0.013	0.006	0.040	0.006	181.860	TRUE	9.59E-35
PEF	ORMDL3	rs117504211	C	A	-0.391	0.017	0.068	6.33E-114	0.004	0.005	0.420	0.016	514.569	TRUE	9.54E-102
PEF	ORMDL3	rs117620922	G	A	0.278	0.029	0.026	6.60E-22	-0.003	0.010	0.722	0.003	92.535	TRUE	9.20E-20
PEF	ORMDL3	rs118017471	A	G	0.492	0.032	0.021	8.81E-53	-0.008	0.008	0.293	0.007	233.793	TRUE	1.89E-46
PEF	ORMDL3	rs118034841	T	C	-0.689	0.034	0.021	2.61E-91	0.014	0.007	0.043	0.013	410.652	TRUE	1.48E-78
PEF	ORMDL3	rs118036166	G	A	0.399	0.034	0.018	1.47E-31	-0.007	0.009	0.469	0.004	136.600	TRUE	5.55E-28
PEF	ORMDL3	rs118082529	T	C	0.275	0.050	0.016	4.88E-08	-0.012	0.012	0.346	0.001	29.764	TRUE	7.53E-07
PEF	ORMDL3	rs118132312	G	A	-0.417	0.044	0.016	3.41E-21	0.001	0.009	0.916	0.003	89.286	TRUE	2.07E-19
PEF	ORMDL3	rs11868060	G	A	-0.379	0.029	0.027	1.77E-38	0.009	0.006	0.163	0.005	168.252	TRUE	3.72E-33
PEF	ORMDL3	rs11871317	G	C	-0.237	0.010	0.243	1.21E-120	0.011	0.003	2.90E-04	0.017	545.451	TRUE	5.24E-100
PEF	ORMDL3	rs12450388	C	T	-0.064	0.009	0.426	1.81E-13	0.002	0.003	0.446	0.002	54.193	TRUE	9.09E-12

PEF	ORMDL3	rs12946162	T	C	-0.093	0.012	0.133	9.01E-14	0.006	0.004	0.114	0.002	55.567	TRUE	2.43E-11
PEF	ORMDL3	rs12946335	T	C	-0.672	0.031	0.019	3.98E-101	-0.014	0.009	0.115	0.014	455.752	TRUE	2.53E-88
PEF	ORMDL3	rs138914307	T	C	0.277	0.044	0.015	2.79E-10	0.006	0.010	0.537	0.001	39.816	TRUE	4.72E-09
PEF	ORMDL3	rs142899349	C	T	-1.010	0.058	0.019	2.53E-67	0.002	0.018	0.932	0.009	300.512	TRUE	1.91E-61
PEF	ORMDL3	rs143669790	A	G	0.481	0.031	0.027	9.23E-54	0.013	0.010	0.202	0.007	238.286	TRUE	6.27E-47
PEF	ORMDL3	rs143700374	T	G	-0.406	0.064	0.013	2.16E-10	0.023	0.011	0.029	0.001	40.315	TRUE	5.30E-08
PEF	ORMDL3	rs143706978	C	T	0.437	0.038	0.016	1.18E-30	0.010	0.009	0.272	0.004	132.467	TRUE	1.15E-26
PEF	ORMDL3	rs1467258	G	A	-0.177	0.012	0.134	3.53E-50	0.007	0.004	0.064	0.007	221.859	TRUE	9.23E-43
PEF	ORMDL3	rs146767035	A	G	-0.385	0.028	0.028	2.37E-44	0.014	0.008	0.078	0.006	195.153	TRUE	9.67E-38
PEF	ORMDL3	rs146890554	T	C	0.354	0.039	0.015	3.09E-19	-0.004	0.011	0.707	0.003	80.374	TRUE	2.49E-17
PEF	ORMDL3	rs147879892	T	C	0.255	0.042	0.013	9.91E-10	-0.007	0.010	0.453	0.001	37.339	TRUE	1.80E-08
PEF	ORMDL3	rs148116769	T	G	-0.390	0.049	0.021	2.29E-15	-0.006	0.009	0.545	0.002	62.799	TRUE	1.28E-13
PEF	ORMDL3	rs150597587	C	T	-0.435	0.020	0.049	5.81E-102	0.000	0.005	0.964	0.014	459.595	TRUE	5.19E-93
PEF	ORMDL3	rs1558284	G	T	0.097	0.015	0.077	2.04E-10	-0.005	0.005	0.290	0.001	40.422	TRUE	7.72E-09
PEF	ORMDL3	rs16537	T	C	-0.148	0.014	0.126	5.38E-25	-0.003	0.004	0.455	0.003	106.620	TRUE	4.41E-22
PEF	ORMDL3	rs186413878	C	T	-0.674	0.097	0.021	3.42E-12	-0.023	0.021	0.275	0.002	48.430	TRUE	2.30E-10
PEF	ORMDL3	rs192665233	A	C	0.429	0.020	0.047	7.64E-103	0.003	0.007	0.700	0.014	463.641	TRUE	6.54E-93
PEF	ORMDL3	rs2071427	T	C	0.098	0.010	0.257	1.19E-23	0.000	0.003	0.930	0.003	100.478	TRUE	1.10E-21
PEF	ORMDL3	rs2301775	G	A	-0.167	0.013	0.127	2.39E-39	-0.004	0.004	0.264	0.005	172.235	TRUE	2.18E-34
PEF	ORMDL3	rs2338582	T	C	0.070	0.011	0.179	1.52E-10	-0.001	0.003	0.782	0.001	41.006	TRUE	1.52E-09
PEF	ORMDL3	rs34585058	A	G	-0.088	0.016	0.097	2.39E-08	-0.002	0.004	0.577	0.001	31.146	TRUE	2.26E-07
PEF	ORMDL3	rs35797841	T	C	0.412	0.019	0.049	2.30E-102	-0.015	0.006	0.018	0.014	461.439	TRUE	1.88E-87
PEF	ORMDL3	rs3764354	T	C	-0.768	0.011	0.128	0.00E+00	0.007	0.004	0.048	0.129	4685.811	TRUE	0.00E+00
PEF	ORMDL3	rs4795372	C	T	0.151	0.027	0.051	1.56E-08	0.012	0.011	0.258	0.001	31.979	TRUE	3.70E-07
PEF	ORMDL3	rs482284	A	G	-0.102	0.009	0.287	2.51E-30	0.002	0.003	0.578	0.004	130.960	TRUE	4.12E-27
PEF	ORMDL3	rs506728	C	G	-0.105	0.010	0.200	5.57E-26	-0.001	0.003	0.696	0.003	111.113	TRUE	2.06E-23
PEF	ORMDL3	rs55957019	G	A	0.458	0.018	0.050	2.10E-137	0.006	0.005	0.280	0.019	622.493	TRUE	5.28E-122
PEF	ORMDL3	rs580506	A	G	-0.160	0.015	0.076	2.51E-25	0.001	0.005	0.759	0.003	108.127	TRUE	6.22E-23
PEF	ORMDL3	rs62065218	T	C	0.352	0.048	0.017	1.69E-13	-0.001	0.011	0.926	0.002	54.331	TRUE	2.12E-12
PEF	ORMDL3	rs62077536	T	C	-0.369	0.032	0.020	3.45E-30	0.004	0.011	0.713	0.004	130.331	TRUE	3.03E-27
PEF	ORMDL3	rs658542	T	C	-0.152	0.011	0.153	5.74E-43	0.007	0.004	0.043	0.006	188.815	TRUE	4.44E-36
PEF	ORMDL3	rs7217240	T	C	0.486	0.010	0.198	0.00E+00	-0.002	0.003	0.427	0.074	2532.299	TRUE	0.00E+00
PEF	ORMDL3	rs72819670	G	A	-0.323	0.036	0.017	1.47E-19	0.007	0.008	0.415	0.003	81.847	TRUE	3.90E-17
PEF	ORMDL3	rs72819672	A	G	-0.208	0.018	0.052	2.20E-29	0.008	0.006	0.143	0.004	126.658	TRUE	4.69E-25
PEF	ORMDL3	rs72823325	G	C	0.082	0.009	0.274	1.68E-18	-0.004	0.003	0.120	0.002	77.031	TRUE	2.01E-15
PEF	ORMDL3	rs72825152	T	C	-0.459	0.054	0.013	1.41E-17	0.025	0.012	0.042	0.002	72.825	TRUE	3.60E-14
PEF	ORMDL3	rs72825191	A	G	0.322	0.047	0.020	6.61E-12	-0.002	0.008	0.855	0.001	47.136	TRUE	7.19E-11
PEF	ORMDL3	rs72825201	C	A	-0.285	0.017	0.065	1.28E-63	0.013	0.005	0.012	0.009	283.514	TRUE	2.66E-53
PEF	ORMDL3	rs72832915	A	G	-0.340	0.009	0.311	0.00E+00	0.000	0.003	0.907	0.044	1455.578	TRUE	4.56E-287
PEF	ORMDL3	rs72832993	A	C	0.346	0.017	0.070	2.45E-94	-0.014	0.005	0.003	0.013	424.555	TRUE	6.74E-79
PEF	ORMDL3	rs72834789	C	T	0.204	0.012	0.129	4.37E-67	-0.001	0.004	0.770	0.009	299.416	TRUE	8.65E-61
PEF	ORMDL3	rs72836603	A	C	-0.402	0.033	0.020	1.08E-34	0.012	0.008	0.133	0.005	150.927	TRUE	1.15E-29

PEF	ORMDL3	rs72836619	T	G	-0.340	0.023	0.037	7.54E-50	-0.002	0.006	0.786	0.007	220.348	TRUE	3.23E-45
PEF	ORMDL3	rs74767487	A	G	0.279	0.016	0.079	4.75E-68	-0.005	0.005	0.259	0.009	303.842	TRUE	6.25E-60
PEF	ORMDL3	rs75646943	T	C	-0.352	0.028	0.026	6.05E-37	0.002	0.009	0.796	0.005	161.234	TRUE	1.58E-33
PEF	ORMDL3	rs757319	G	C	0.212	0.021	0.036	6.38E-23	0.001	0.006	0.871	0.003	97.158	TRUE	6.48E-21
PEF	ORMDL3	rs75905358	C	G	0.245	0.010	0.210	1.61E-140	-0.006	0.003	0.069	0.020	636.827	TRUE	1.60E-122
PEF	ORMDL3	rs76555104	A	G	-0.740	0.036	0.017	1.35E-92	-0.010	0.009	0.269	0.013	416.558	TRUE	6.53E-82
PEF	ORMDL3	rs77107066	T	C	-0.095	0.013	0.131	5.16E-14	0.001	0.004	0.894	0.002	56.664	TRUE	7.97E-13
PEF	ORMDL3	rs77812225	A	G	-0.197	0.030	0.020	8.27E-11	0.003	0.009	0.761	0.001	42.190	TRUE	8.90E-10
PEF	ORMDL3	rs78581969	T	C	0.104	0.014	0.087	2.78E-13	-0.002	0.004	0.649	0.002	53.354	TRUE	7.01E-12
PEF	ORMDL3	rs78736194	A	C	0.117	0.021	0.047	1.61E-08	0.001	0.006	0.846	0.001	31.909	TRUE	8.88E-08
PEF	ORMDL3	rs79010101	T	C	0.210	0.019	0.049	4.48E-28	0.002	0.005	0.750	0.004	120.677	TRUE	2.11E-25
PEF	ORMDL3	rs79730542	C	T	-0.249	0.029	0.023	4.09E-18	-0.006	0.008	0.468	0.002	75.272	TRUE	6.10E-16
PEF	ORMDL3	rs8065040	G	A	0.063	0.008	0.449	2.21E-15	0.000	0.003	0.973	0.002	62.862	TRUE	3.61E-14
PEF	ORMDL3	rs8075931	T	C	-0.245	0.038	0.016	1.11E-10	-0.006	0.010	0.528	0.001	41.610	TRUE	2.11E-09
PEF	ORMDL3	rs9914748	G	A	-0.048	0.008	0.388	3.55E-09	0.003	0.003	0.269	0.001	34.855	TRUE	1.01E-07
PEF	P2RX4	rs10459142	G	A	0.074	0.009	0.235	2.42E-15	0.010	0.003	8.53E-04	0.002	62.684	TRUE	3.64E-11
PEF	P2RX4	rs11065424	A	T	0.078	0.009	0.255	2.18E-17	0.001	0.003	0.796	0.002	71.974	TRUE	8.54E-16
PEF	P2RX4	rs11065442	C	A	0.190	0.010	0.175	1.49E-74	0.002	0.003	0.626	0.010	333.694	TRUE	4.16E-67
PEF	P2RX4	rs1109480	A	G	-0.067	0.008	0.371	5.33E-16	-0.007	0.003	0.009	0.002	65.668	TRUE	2.66E-12
PEF	P2RX4	rs112803307	G	A	0.215	0.020	0.040	6.97E-26	0.008	0.006	0.186	0.003	110.667	TRUE	3.72E-22
PEF	P2RX4	rs113606320	T	C	-0.414	0.057	0.014	5.19E-13	-0.003	0.013	0.830	0.002	52.128	TRUE	7.60E-12
PEF	P2RX4	rs11553699	G	A	-0.076	0.013	0.110	1.05E-08	0.005	0.004	0.160	0.001	32.750	TRUE	4.11E-07
PEF	P2RX4	rs11608693	A	G	-0.071	0.013	0.151	1.99E-08	-0.005	0.004	0.192	0.001	31.502	TRUE	6.05E-07
PEF	P2RX4	rs11609269	C	T	-0.301	0.039	0.023	1.19E-14	-0.015	0.010	0.142	0.002	59.545	TRUE	3.42E-12
PEF	P2RX4	rs11610160	A	G	-0.140	0.011	0.186	2.69E-36	-0.002	0.003	0.540	0.005	158.267	TRUE	2.09E-32
PEF	P2RX4	rs11610379	T	C	0.215	0.024	0.031	2.63E-19	-0.002	0.007	0.821	0.003	80.697	TRUE	1.51E-17
PEF	P2RX4	rs11615889	T	C	0.386	0.029	0.026	5.89E-40	0.009	0.007	0.177	0.005	175.022	TRUE	1.51E-34
PEF	P2RX4	rs116321836	A	C	0.277	0.035	0.020	3.41E-15	0.006	0.011	0.596	0.002	62.012	TRUE	1.60E-13
PEF	P2RX4	rs117423291	T	C	0.246	0.037	0.017	3.96E-11	0.005	0.009	0.535	0.001	43.631	TRUE	8.24E-10
PEF	P2RX4	rs117658566	T	C	0.333	0.030	0.020	2.35E-28	-0.001	0.008	0.901	0.004	121.958	TRUE	6.56E-26
PEF	P2RX4	rs117786959	A	G	-0.406	0.050	0.013	4.88E-16	-0.006	0.013	0.634	0.002	65.839	TRUE	2.42E-14
PEF	P2RX4	rs117846701	G	T	-0.493	0.030	0.022	3.27E-61	0.013	0.009	0.158	0.009	272.464	TRUE	2.78E-53
PEF	P2RX4	rs118049242	T	C	-0.456	0.037	0.015	1.12E-34	-0.003	0.010	0.794	0.005	150.863	TRUE	1.79E-31
PEF	P2RX4	rs12300459	G	A	0.081	0.013	0.105	1.05E-09	0.007	0.004	0.090	0.001	37.230	TRUE	8.98E-08
PEF	P2RX4	rs12316059	A	T	0.518	0.014	0.089	0.00E+00	0.001	0.005	0.804	0.043	1422.282	TRUE	5.38E-280
PEF	P2RX4	rs12818602	C	T	0.290	0.045	0.018	1.43E-10	0.000	0.008	0.984	0.001	41.114	TRUE	8.88E-10
PEF	P2RX4	rs12832299	A	G	-0.072	0.011	0.253	7.70E-11	0.002	0.003	0.574	0.001	42.331	TRUE	1.32E-09
PEF	P2RX4	rs140432802	C	T	0.617	0.065	0.013	4.18E-21	-0.001	0.011	0.945	0.003	88.881	TRUE	2.31E-19
PEF	P2RX4	rs141106010	T	C	-0.394	0.027	0.027	4.49E-48	-0.015	0.007	0.042	0.007	212.213	TRUE	1.39E-40
PEF	P2RX4	rs141610051	T	C	0.691	0.066	0.013	1.07E-25	-0.010	0.015	0.487	0.003	109.827	TRUE	9.05E-23
PEF	P2RX4	rs143484142	A	G	0.169	0.026	0.025	1.01E-10	0.005	0.007	0.463	0.001	41.806	TRUE	2.32E-09
PEF	P2RX4	rs147280511	T	C	-0.421	0.043	0.017	6.11E-23	-0.002	0.009	0.805	0.003	97.245	TRUE	7.83E-21

PEF	P2RX4	rs148950708	T	C	0.202	0.032	0.020	1.56E-10	0.005	0.007	0.481	0.001	40.955	TRUE	3.19E-09
PEF	P2RX4	rs150125189	T	C	-0.472	0.030	0.023	2.25E-57	-0.006	0.008	0.478	0.008	254.853	TRUE	3.33E-51
PEF	P2RX4	rs1706456	G	A	0.055	0.010	0.468	7.01E-09	-0.004	0.003	0.099	0.001	33.529	TRUE	4.33E-07
PEF	P2RX4	rs1799525	C	A	-0.077	0.009	0.330	2.37E-18	0.001	0.003	0.685	0.002	76.348	TRUE	1.71E-16
PEF	P2RX4	rs1975615	T	C	0.055	0.009	0.254	3.37E-09	-0.004	0.003	0.259	0.001	34.957	TRUE	9.82E-08
PEF	P2RX4	rs208311	G	A	0.139	0.009	0.310	5.61E-59	0.006	0.003	0.025	0.008	262.208	TRUE	1.07E-49
PEF	P2RX4	rs2393750	C	T	-0.096	0.008	0.384	3.89E-32	-0.002	0.003	0.354	0.004	139.236	TRUE	3.16E-28
PEF	P2RX4	rs2522140	G	A	0.107	0.017	0.060	2.61E-10	0.003	0.005	0.547	0.001	39.948	TRUE	4.23E-09
PEF	P2RX4	rs2686343	G	A	0.343	0.008	0.533	0.00E+00	0.004	0.003	0.084	0.059	1969.194	TRUE	0.00E+00
PEF	P2RX4	rs2708101	T	C	-0.084	0.008	0.454	5.39E-26	-0.003	0.003	0.336	0.003	111.177	TRUE	1.06E-22
PEF	P2RX4	rs3751151	A	T	-0.167	0.008	0.327	6.39E-88	-0.011	0.003	6.92E-05	0.012	395.087	TRUE	3.80E-71
PEF	P2RX4	rs3999561	G	A	-0.058	0.010	0.196	6.06E-09	0.000	0.003	0.941	0.001	33.814	TRUE	2.94E-08
PEF	P2RX4	rs4480616	C	A	-0.151	0.008	0.389	4.65E-77	-0.003	0.003	0.295	0.011	345.203	TRUE	3.55E-68
PEF	P2RX4	rs4767910	T	C	0.080	0.009	0.305	2.70E-20	0.005	0.003	0.074	0.003	85.191	TRUE	9.25E-17
PEF	P2RX4	rs487915	T	C	0.174	0.019	0.052	1.19E-19	0.009	0.005	0.093	0.003	82.267	TRUE	2.65E-16
PEF	P2RX4	rs503720	A	G	-0.144	0.008	0.323	4.20E-65	-0.010	0.003	4.63E-04	0.009	290.315	TRUE	1.08E-52
PEF	P2RX4	rs56156770	T	C	-0.363	0.033	0.018	1.25E-28	-0.013	0.009	0.124	0.004	123.202	TRUE	2.77E-24
PEF	P2RX4	rs59056867	G	A	-0.120	0.017	0.063	3.59E-12	-0.002	0.005	0.638	0.002	48.333	TRUE	7.12E-11
PEF	P2RX4	rs61953403	G	A	-0.571	0.014	0.099	0.00E+00	-0.008	0.004	0.049	0.051	1694.169	TRUE	0.00E+00
PEF	P2RX4	rs61953500	A	G	-0.113	0.018	0.058	2.72E-10	-0.004	0.005	0.381	0.001	39.864	TRUE	7.20E-09
PEF	P2RX4	rs61954254	A	G	-0.070	0.010	0.188	5.24E-12	0.000	0.003	0.948	0.001	47.591	TRUE	4.63E-11
PEF	P2RX4	rs6490297	C	T	-0.051	0.009	0.242	4.18E-08	0.003	0.003	0.367	0.001	30.064	TRUE	6.14E-07
PEF	P2RX4	rs7132256	C	T	0.206	0.020	0.040	3.58E-24	0.008	0.006	0.170	0.003	102.862	TRUE	1.36E-20
PEF	P2RX4	rs7297766	G	A	0.228	0.029	0.021	8.35E-15	0.000	0.009	0.974	0.002	60.248	TRUE	1.20E-13
PEF	P2RX4	rs73227952	T	C	-0.169	0.030	0.023	2.37E-08	0.007	0.007	0.371	0.001	31.161	TRUE	3.72E-07
PEF	P2RX4	rs75834561	C	T	0.245	0.024	0.028	5.14E-24	0.017	0.008	0.031	0.003	102.145	TRUE	1.52E-19
PEF	P2RX4	rs75950622	T	C	0.309	0.025	0.027	4.86E-36	0.015	0.008	0.070	0.005	157.091	TRUE	2.00E-30
PEF	P2RX4	rs7958316	A	G	-0.209	0.031	0.020	1.22E-11	-0.007	0.009	0.464	0.001	45.938	TRUE	3.53E-10
PEF	P2RX4	rs7965649	T	C	0.067	0.011	0.164	3.85E-10	0.003	0.003	0.335	0.001	39.183	TRUE	1.14E-08
PEF	PAFAH1B2	rs10892000	G	T	-0.080	0.014	0.215	2.45E-08	-0.001	0.003	0.720	0.001	31.101	TRUE	1.69E-07
PEF	PAFAH1B2	rs10892010	C	A	0.127	0.018	0.118	4.27E-12	-0.003	0.004	0.483	0.002	47.991	TRUE	1.33E-10
PEF	PAFAH1B2	rs116995028	T	C	-0.658	0.091	0.015	5.06E-13	0.013	0.011	0.230	0.002	52.177	TRUE	5.23E-11
PEF	PAFAH1B2	rs12287066	T	G	0.289	0.024	0.066	4.07E-34	0.010	0.005	0.052	0.005	148.294	TRUE	1.62E-28
PEF	PAFAH1B2	rs138378173	A	G	0.352	0.049	0.019	9.18E-13	0.010	0.010	0.327	0.002	51.008	TRUE	5.78E-11
PEF	PAFAH1B2	rs139663973	C	T	-0.258	0.043	0.019	2.06E-09	0.014	0.008	0.092	0.001	35.916	TRUE	1.54E-07
PEF	PAFAH1B2	rs141414463	T	C	0.305	0.038	0.026	1.78E-15	0.014	0.008	0.085	0.002	63.288	TRUE	1.15E-12
PEF	PAFAH1B2	rs143791312	T	C	-0.354	0.064	0.015	3.87E-08	0.011	0.014	0.435	0.001	30.211	TRUE	4.84E-07
PEF	PAFAH1B2	rs144646355	A	G	-0.613	0.055	0.017	3.60E-29	0.025	0.010	0.009	0.004	125.679	TRUE	2.17E-23
PEF	PAFAH1B2	rs17519079	A	G	0.281	0.024	0.064	3.40E-31	-0.007	0.005	0.188	0.004	134.932	TRUE	7.50E-27
PEF	PAFAH1B2	rs181009570	A	G	0.687	0.093	0.014	1.09E-13	0.005	0.011	0.678	0.002	55.195	TRUE	2.79E-12
PEF	PAFAH1B2	rs2216311	G	A	-0.122	0.012	0.392	7.64E-24	-0.005	0.003	0.086	0.003	101.363	TRUE	6.95E-20
PEF	PAFAH1B2	rs2622935	A	G	-0.318	0.014	0.232	4.11E-118	0.004	0.003	0.204	0.017	533.813	TRUE	3.26E-104

PEF	PAFAH1B2	rs4938355	G	A	0.462	0.016	0.159	2.34E-190	0.010	0.004	0.004	0.027	866.005	TRUE	6.43E-163
PEF	PAFAH1B2	rs522645	A	C	-0.089	0.016	0.248	3.73E-08	-0.004	0.003	0.174	0.001	30.281	TRUE	1.12E-06
PEF	PAFAH1B2	rs528508	C	T	-0.091	0.012	0.374	1.63E-13	-0.002	0.003	0.492	0.002	54.402	TRUE	7.07E-12
PEF	PAFAH1B2	rs61904854	T	G	-0.077	0.014	0.255	1.43E-08	0.002	0.003	0.487	0.001	32.145	TRUE	1.81E-07
PEF	PAFAH1B2	rs61906491	A	G	0.198	0.020	0.123	5.47E-23	0.001	0.004	0.721	0.003	97.463	TRUE	9.95E-21
PEF	PAFAH1B2	rs6589568	G	A	-0.103	0.014	0.237	1.28E-13	0.003	0.003	0.283	0.002	54.872	TRUE	1.29E-11
PEF	PAFAH1B2	rs73014332	G	A	0.206	0.034	0.035	1.01E-09	-0.013	0.007	0.050	0.001	37.310	TRUE	1.31E-07
PEF	PAFAH1B2	rs75878244	C	T	0.405	0.056	0.018	5.69E-13	0.021	0.011	0.060	0.002	51.946	TRUE	2.16E-10
PEF	PAFAH1B2	rs79841374	T	C	-0.153	0.019	0.111	4.45E-16	0.005	0.004	0.204	0.002	66.021	TRUE	1.28E-13
PEF	PDCD5	rs10402360	C	G	0.097	0.008	0.352	3.52E-31	0.005	0.003	0.044	0.004	134.867	TRUE	6.51E-26
PEF	PDCD5	rs10402931	G	A	-0.340	0.009	0.272	0.00E+00	-0.002	0.003	0.568	0.043	1425.551	TRUE	4.40E-279
PEF	PDCD5	rs10414123	C	T	0.075	0.008	0.423	2.19E-20	-0.001	0.003	0.784	0.003	85.605	TRUE	1.74E-18
PEF	PDCD5	rs10424194	G	T	-0.075	0.012	0.140	6.30E-11	0.003	0.004	0.396	0.001	42.722	TRUE	1.87E-09
PEF	PDCD5	rs117316274	A	G	0.185	0.028	0.026	4.83E-11	0.003	0.007	0.692	0.001	43.241	TRUE	6.61E-10
PEF	PDCD5	rs117758647	A	G	-0.148	0.020	0.043	7.36E-14	-0.012	0.006	0.053	0.002	55.965	TRUE	4.06E-11
PEF	PDCD5	rs12150976	C	T	0.258	0.008	0.395	5.16E-215	0.003	0.003	0.284	0.030	979.425	TRUE	4.24E-191
PEF	PDCD5	rs12608785	G	A	0.070	0.009	0.233	1.09E-13	0.001	0.003	0.647	0.002	55.198	TRUE	3.01E-12
PEF	PDCD5	rs13313735	G	A	-0.285	0.017	0.059	2.65E-64	0.005	0.005	0.379	0.009	286.647	TRUE	4.05E-57
PEF	PDCD5	rs139355879	A	G	0.244	0.022	0.045	1.34E-29	-0.005	0.008	0.543	0.004	127.646	TRUE	2.19E-26
PEF	PDCD5	rs139444314	T	C	0.225	0.023	0.038	1.02E-21	-0.003	0.007	0.677	0.003	91.667	TRUE	1.59E-19
PEF	PDCD5	rs141473723	A	C	0.231	0.014	0.091	7.65E-62	0.000	0.004	0.997	0.009	275.356	TRUE	1.24E-56
PEF	PDCD5	rs147068443	T	C	0.238	0.036	0.019	5.53E-11	-0.004	0.011	0.719	0.001	42.976	TRUE	6.93E-10
PEF	PDCD5	rs148355535	G	A	-0.326	0.018	0.051	1.04E-71	-0.003	0.006	0.610	0.010	320.635	TRUE	1.60E-64
PEF	PDCD5	rs150936907	A	G	0.295	0.027	0.030	1.80E-28	0.016	0.011	0.141	0.004	122.489	TRUE	3.09E-24
PEF	PDCD5	rs150985471	T	C	-0.210	0.027	0.026	3.51E-15	0.006	0.008	0.440	0.002	61.952	TRUE	2.71E-13
PEF	PDCD5	rs182735633	C	T	-0.155	0.023	0.033	3.39E-11	0.004	0.007	0.533	0.001	43.933	TRUE	7.14E-10
PEF	PDCD5	rs184260390	A	G	-0.180	0.032	0.019	2.79E-08	0.001	0.009	0.955	0.001	30.847	TRUE	1.17E-07
PEF	PDCD5	rs186861406	T	C	-0.188	0.015	0.092	2.55E-36	0.007	0.010	0.447	0.005	158.373	TRUE	3.32E-32
PEF	PDCD5	rs2059057	A	G	-0.238	0.034	0.018	1.54E-12	0.007	0.010	0.516	0.002	49.990	TRUE	4.82E-11
PEF	PDCD5	rs34420223	T	C	-0.173	0.027	0.027	3.16E-10	-0.002	0.007	0.816	0.001	39.572	TRUE	2.65E-09
PEF	PDCD5	rs35713666	C	T	-0.069	0.010	0.209	3.03E-12	0.006	0.003	0.079	0.002	48.667	TRUE	7.26E-10
PEF	PDCD5	rs358540	G	A	-0.089	0.008	0.510	1.47E-28	0.002	0.003	0.360	0.004	122.883	TRUE	4.92E-25
PEF	PDCD5	rs4804994	G	A	-0.162	0.013	0.103	2.58E-34	0.001	0.004	0.746	0.005	149.201	TRUE	4.57E-31
PEF	PDCD5	rs4805744	G	A	-0.089	0.011	0.158	8.91E-16	0.003	0.004	0.344	0.002	64.654	TRUE	1.18E-13
PEF	PDCD5	rs55734981	T	C	-0.247	0.025	0.032	2.42E-22	-0.006	0.007	0.420	0.003	94.519	TRUE	1.22E-19
PEF	PDCD5	rs56408231	T	G	-0.127	0.008	0.378	1.10E-53	0.000	0.003	0.993	0.007	237.934	TRUE	3.36E-49
PEF	PDCD5	rs62103863	G	C	-0.150	0.018	0.059	4.04E-16	0.002	0.005	0.667	0.002	66.214	TRUE	1.90E-14
PEF	PDCD5	rs62125034	A	G	-0.144	0.018	0.050	4.00E-15	-0.002	0.006	0.703	0.002	61.694	TRUE	1.32E-13
PEF	PDCD5	rs73036017	G	A	0.126	0.016	0.082	1.11E-15	-0.006	0.004	0.138	0.002	64.227	TRUE	4.63E-13
PEF	PDCD5	rs73042059	T	C	-0.346	0.023	0.035	2.47E-53	-0.003	0.007	0.710	0.007	236.326	TRUE	3.33E-48
PEF	PDCD5	rs74776662	T	G	-0.259	0.026	0.029	1.50E-23	0.005	0.007	0.432	0.003	100.029	TRUE	9.95E-21
PEF	PDCD5	rs74889516	G	T	0.216	0.030	0.024	3.49E-13	-0.001	0.008	0.911	0.002	52.908	TRUE	4.26E-12

PEF	PDCD5	rs77511911	A	G	0.256	0.030	0.020	9.82E-18	0.003	0.007	0.714	0.002	73.543	TRUE	5.66E-16
PEF	PDCD5	rs78674413	C	A	0.096	0.018	0.067	3.88E-08	-0.001	0.006	0.892	0.001	30.206	TRUE	1.80E-07
PEF	PDCD5	rs79314177	A	G	-0.154	0.028	0.024	2.89E-08	-0.001	0.008	0.887	0.001	30.780	TRUE	1.38E-07
PEF	PDCD5	rs8113265	G	A	0.170	0.008	0.460	1.73E-99	0.004	0.003	0.147	0.014	448.226	TRUE	2.87E-87
PEF	PDCD5	rs8113507	C	T	-0.096	0.009	0.321	4.08E-29	-0.001	0.003	0.797	0.004	125.432	TRUE	2.02E-26
PEF	PDCD5	rs975318	T	C	0.088	0.009	0.327	6.28E-25	0.001	0.003	0.744	0.003	106.310	TRUE	1.58E-22
PEF	PDHB	rs113299433	A	C	0.089	0.016	0.078	1.92E-08	-0.011	0.005	0.017	0.001	31.576	TRUE	2.76E-06
PEF	PDHB	rs145305055	C	G	0.140	0.020	0.050	3.70E-12	-0.002	0.007	0.825	0.002	48.275	TRUE	4.58E-11
PEF	PDHB	rs148376582	T	C	-0.179	0.032	0.022	2.36E-08	-0.005	0.011	0.625	0.001	31.170	TRUE	1.98E-07
PEF	PDHB	rs150975879	A	G	-0.266	0.032	0.020	2.10E-16	0.019	0.008	0.021	0.002	67.498	TRUE	6.39E-13
PEF	PDHB	rs1718478	C	T	-0.048	0.008	0.394	6.78E-09	0.007	0.003	0.011	0.001	33.596	TRUE	1.65E-06
PEF	PDHB	rs188606667	T	G	-0.305	0.033	0.020	3.63E-20	0.007	0.013	0.598	0.003	84.609	TRUE	5.27E-18
PEF	PDHB	rs35674270	G	A	-0.138	0.012	0.124	4.32E-30	-0.001	0.004	0.897	0.004	129.889	TRUE	1.74E-27
PEF	PDHB	rs36032099	A	G	0.114	0.008	0.439	7.22E-42	-0.007	0.003	0.009	0.006	183.775	TRUE	2.99E-34
PEF	PDHB	rs4681669	A	G	-0.146	0.008	0.443	6.71E-75	0.007	0.003	0.010	0.010	335.285	TRUE	6.74E-63
PEF	PDHB	rs4681851	G	C	-0.313	0.011	0.144	1.12E-171	0.005	0.004	0.189	0.024	780.098	TRUE	7.32E-152
PEF	PDHB	rs4681870	C	T	0.093	0.009	0.280	7.64E-26	-0.006	0.003	0.032	0.003	110.487	TRUE	3.90E-21
PEF	PDHB	rs56193702	C	T	-0.094	0.017	0.063	4.30E-08	0.008	0.005	0.148	0.001	30.007	TRUE	1.41E-06
PEF	PDHB	rs6787467	A	G	0.288	0.008	0.357	1.95E-275	-0.009	0.003	0.001	0.038	1257.416	TRUE	1.06E-235
PEF	PDHB	rs6790806	T	C	-0.091	0.010	0.212	8.57E-21	0.005	0.003	0.141	0.003	87.462	TRUE	1.52E-17
PEF	PDHB	rs72876120	C	A	-0.078	0.014	0.107	1.76E-08	0.004	0.004	0.337	0.001	31.740	TRUE	3.24E-07
PEF	PDHB	rs73078079	G	A	-0.105	0.018	0.052	1.14E-08	0.005	0.006	0.332	0.001	32.586	TRUE	2.25E-07
PEF	PDHB	rs73090336	A	G	-0.103	0.014	0.085	6.35E-13	-0.001	0.004	0.796	0.002	51.733	TRUE	1.01E-11
PEF	PDHB	rs7627013	A	G	0.107	0.009	0.246	3.43E-31	0.000	0.003	0.921	0.004	134.917	TRUE	1.58E-28
PEF	PDHB	rs7631741	G	T	-0.053	0.008	0.376	2.64E-10	0.004	0.003	0.127	0.001	39.922	TRUE	2.01E-08
PEF	PDHB	rs7644444	A	G	0.327	0.024	0.032	8.07E-41	0.000	0.010	0.999	0.006	178.975	TRUE	1.83E-37
PEF	PDHB	rs78196272	A	G	0.244	0.043	0.014	9.51E-09	-0.007	0.008	0.395	0.001	32.936	TRUE	1.54E-07
PEF	PDHB	rs9827495	T	G	-0.263	0.011	0.185	5.13E-128	-0.001	0.006	0.889	0.018	579.336	TRUE	2.71E-116
PEF	PDHB	rs9844590	A	G	-0.163	0.025	0.030	4.96E-11	0.008	0.011	0.504	0.001	43.189	TRUE	1.10E-09
PEF	PEA15	rs1041067	T	C	0.058	0.010	0.198	5.85E-09	0.000	0.003	0.889	0.001	33.882	TRUE	3.16E-08
PEF	PEA15	rs10797062	G	A	0.335	0.009	0.292	0.00E+00	-0.006	0.003	0.041	0.046	1538.789	TRUE	3.87E-294
PEF	PEA15	rs11265305	G	T	0.084	0.013	0.113	2.23E-11	-0.001	0.004	0.826	0.001	44.759	TRUE	2.29E-10
PEF	PEA15	rs11265345	T	A	-0.063	0.011	0.150	1.52E-08	-0.001	0.004	0.763	0.001	32.029	TRUE	1.01E-07
PEF	PEA15	rs115935745	T	C	0.227	0.035	0.017	9.52E-11	-0.009	0.009	0.355	0.001	41.915	TRUE	3.09E-09
PEF	PEA15	rs116350475	C	T	-0.116	0.019	0.050	2.09E-09	0.006	0.006	0.284	0.001	35.883	TRUE	5.92E-08
PEF	PEA15	rs1186683	A	C	-0.122	0.008	0.458	2.81E-52	0.002	0.003	0.380	0.007	231.483	TRUE	2.59E-46
PEF	PEA15	rs12060485	T	G	-0.099	0.011	0.147	2.09E-18	-0.002	0.004	0.615	0.002	76.596	TRUE	1.91E-16
PEF	PEA15	rs12133079	A	C	0.072	0.010	0.186	3.08E-12	-0.005	0.003	0.158	0.002	48.634	TRUE	3.73E-10
PEF	PEA15	rs12144820	A	G	-0.087	0.008	0.399	1.22E-26	0.006	0.003	0.033	0.004	114.128	TRUE	7.64E-22
PEF	PEA15	rs12737042	T	C	-0.113	0.013	0.115	1.20E-18	0.004	0.004	0.270	0.002	77.692	TRUE	5.02E-16
PEF	PEA15	rs140284465	A	G	-0.190	0.027	0.027	2.47E-12	-0.021	0.008	0.008	0.002	49.064	TRUE	2.90E-09
PEF	PEA15	rs2854248	A	T	-0.085	0.008	0.338	2.66E-24	-0.001	0.003	0.702	0.003	103.455	TRUE	6.48E-22

PEF	PEA15	rs58153339	T	C	-0.111	0.015	0.076	1.57E-13	0.001	0.005	0.814	0.002	54.473	TRUE	2.68E-12
PEF	PEA15	rs6665935	G	A	-0.128	0.010	0.216	2.84E-39	0.002	0.003	0.551	0.005	171.892	TRUE	4.18E-35
PEF	PEA15	rs6697199	G	T	0.056	0.008	0.478	1.49E-12	-0.004	0.003	0.148	0.002	50.061	TRUE	2.12E-10
PEF	PEA15	rs72706635	A	G	-0.114	0.021	0.040	3.69E-08	0.001	0.006	0.823	0.001	30.306	TRUE	1.96E-07
PEF	PEA15	rs75335661	T	C	-0.122	0.012	0.128	1.88E-24	0.005	0.004	0.236	0.003	104.139	TRUE	4.55E-21
PEF	PEA15	rs77456663	G	A	-0.090	0.014	0.087	1.55E-10	-0.002	0.004	0.643	0.001	40.960	TRUE	2.16E-09
PEF	PEA15	rs78943652	T	C	0.416	0.039	0.016	7.67E-27	-0.012	0.011	0.283	0.004	115.044	TRUE	2.63E-23
PEF	PEA15	rs881291	C	T	0.099	0.009	0.319	2.21E-31	-0.002	0.003	0.529	0.004	135.789	TRUE	5.84E-28
PEF	PEA15	rs947492	T	C	-0.081	0.008	0.497	3.76E-24	-0.004	0.003	0.128	0.003	102.764	TRUE	2.12E-20
PEF	PEBP1	rs11613092	T	C	-0.131	0.023	0.070	1.99E-08	0.012	0.005	0.016	0.001	31.502	TRUE	3.01E-06
PEF	PEBP1	rs117105414	A	G	0.287	0.027	0.048	1.49E-25	-0.002	0.006	0.706	0.003	109.158	TRUE	5.01E-23
PEF	PEBP1	rs117546206	G	A	0.468	0.057	0.016	1.99E-16	0.009	0.009	0.342	0.002	67.607	TRUE	3.22E-14
PEF	PEBP1	rs12824153	C	A	-0.206	0.024	0.064	2.89E-17	-0.005	0.005	0.287	0.002	71.415	TRUE	7.41E-15
PEF	PEBP1	rs148380960	A	C	0.323	0.052	0.021	5.28E-10	-0.011	0.010	0.274	0.001	38.569	TRUE	1.89E-08
PEF	PEBP1	rs151311841	T	C	-0.321	0.037	0.033	3.04E-18	-0.018	0.007	0.007	0.002	75.856	TRUE	4.54E-14
PEF	PEBP1	rs17441179	T	C	-0.200	0.019	0.105	2.85E-25	0.001	0.004	0.798	0.003	107.879	TRUE	6.18E-23
PEF	PEBP1	rs2893771	T	C	0.214	0.019	0.114	8.69E-31	0.004	0.004	0.288	0.004	133.070	TRUE	7.59E-27
PEF	PEBP1	rs34026283	T	C	0.117	0.012	0.368	1.40E-21	-0.002	0.003	0.460	0.003	91.044	TRUE	5.10E-19
PEF	PEBP1	rs551546	C	T	0.245	0.026	0.056	1.82E-21	0.006	0.005	0.272	0.003	90.529	TRUE	1.58E-18
PEF	PEBP1	rs696345	G	C	-0.228	0.027	0.053	2.54E-17	0.006	0.005	0.285	0.002	71.669	TRUE	6.90E-15
PEF	PEBP1	rs75514589	T	C	-0.467	0.070	0.019	2.69E-11	0.012	0.011	0.290	0.001	44.385	TRUE	1.29E-09
PEF	PEBP1	rs75631377	A	G	0.144	0.024	0.065	2.03E-09	0.000	0.005	0.981	0.001	35.943	TRUE	9.98E-09
PEF	PEBP1	rs75865934	G	A	0.352	0.031	0.049	8.20E-31	0.005	0.006	0.405	0.004	133.186	TRUE	3.58E-27
PEF	PEBP1	rs76148053	A	G	-0.302	0.031	0.038	9.94E-23	-0.009	0.006	0.115	0.003	96.281	TRUE	4.30E-19
PEF	PEBP1	rs77533092	T	C	-0.254	0.026	0.056	5.46E-23	-0.004	0.006	0.534	0.003	97.466	TRUE	1.98E-20
PEF	PEBP1	rs78708372	T	C	-0.128	0.021	0.095	1.16E-09	0.002	0.004	0.656	0.001	37.035	TRUE	1.23E-08
PEF	PEBP1	rs79135964	G	A	0.289	0.042	0.027	1.11E-11	-0.001	0.008	0.946	0.001	46.128	TRUE	9.20E-11
PEF	PEBP1	rs795482	A	G	0.417	0.011	0.484	5.43E-297	0.006	0.003	0.022	0.041	1356.592	TRUE	1.87E-258
PEF	PEBP1	rs7975007	T	C	0.399	0.057	0.016	1.77E-12	0.003	0.009	0.755	0.002	49.722	TRUE	2.83E-11
PEF	PERP	rs2484067	C	T	0.069	0.008	0.464	1.40E-17	0.001	0.003	0.791	0.002	72.845	TRUE	6.27E-16
PEF	PERP	rs73774819	C	G	-0.060	0.010	0.223	3.65E-09	-0.002	0.003	0.575	0.001	34.801	TRUE	4.24E-08
PEF	PERP	rs74451033	G	T	-0.127	0.018	0.051	4.16E-12	0.003	0.006	0.589	0.002	48.047	TRUE	9.34E-11
PEF	PERP	rs75604586	C	G	-0.153	0.014	0.091	4.50E-28	0.010	0.005	0.036	0.004	120.667	TRUE	4.41E-23
PEF	PERP	rs8085	G	A	-0.062	0.008	0.500	9.41E-15	0.003	0.003	0.220	0.002	60.012	TRUE	1.76E-12
PEF	PHLDA3	rs10920203	A	G	0.326	0.024	0.031	3.71E-41	0.031	0.008	1.10E-04	0.006	180.520	TRUE	9.25E-32
PEF	PHLDA3	rs6427902	G	A	0.045	0.008	0.450	2.82E-08	0.006	0.003	0.013	0.001	30.827	TRUE	4.24E-06
PEF	PIAS4	rs11085057	A	G	0.202	0.025	0.039	1.68E-15	0.007	0.006	0.294	0.002	63.399	TRUE	2.59E-13
PEF	PIAS4	rs11666994	G	T	0.060	0.009	0.325	3.03E-10	-0.001	0.003	0.728	0.001	39.652	TRUE	3.06E-09
PEF	PIAS4	rs11671735	A	G	0.118	0.010	0.243	3.47E-31	0.000	0.003	0.884	0.004	134.894	TRUE	1.80E-28
PEF	PIAS4	rs117473487	A	G	0.251	0.043	0.018	5.87E-09	0.002	0.011	0.824	0.001	33.875	TRUE	3.68E-08
PEF	PIAS4	rs2278437	G	A	0.073	0.009	0.387	4.04E-16	0.001	0.003	0.751	0.002	66.213	TRUE	1.41E-14
PEF	PIAS4	rs35992500	A	G	-0.096	0.013	0.192	7.15E-14	0.004	0.003	0.202	0.002	56.022	TRUE	1.13E-11

PEF	PIAS4	rs3760898	G	T	-0.068	0.011	0.261	7.89E-10	-0.004	0.003	0.241	0.001	37.786	TRUE	2.96E-08
PEF	PIAS4	rs448410	T	G	-0.084	0.010	0.259	8.41E-18	0.003	0.003	0.308	0.002	73.849	TRUE	2.17E-15
PEF	PIAS4	rs4806966	G	A	0.075	0.013	0.199	2.38E-09	0.004	0.003	0.170	0.001	35.632	TRUE	1.06E-07
PEF	PIAS4	rs62132157	T	G	0.102	0.014	0.124	1.18E-12	0.001	0.004	0.769	0.002	50.521	TRUE	1.93E-11
PEF	PIAS4	rs72976940	C	T	0.248	0.012	0.183	5.68E-96	0.005	0.003	0.120	0.013	432.075	TRUE	7.65E-84
PEF	PIAS4	rs9304908	C	T	-0.075	0.014	0.169	3.06E-08	0.001	0.003	0.751	0.001	30.665	TRUE	1.88E-07
PEF	PIK3CA	rs10936990	G	T	-0.093	0.008	0.418	5.45E-31	0.005	0.003	0.034	0.004	133.995	TRUE	1.56E-25
PEF	PIK3CA	rs111882214	C	T	-0.059	0.010	0.185	9.58E-09	0.004	0.003	0.236	0.001	32.922	TRUE	2.68E-07
PEF	PIK3CA	rs34995602	T	A	-0.059	0.009	0.308	6.78E-12	0.000	0.003	0.892	0.001	47.087	TRUE	6.84E-11
PEF	PIK3CA	rs6772262	T	C	-0.198	0.022	0.035	1.48E-19	0.008	0.007	0.222	0.003	81.825	TRUE	1.07E-16
PEF	PIK3CB	rs9809657	G	T	-0.047	0.008	0.489	3.28E-09	0.009	0.003	5.59E-04	0.001	35.006	TRUE	3.28E-06
PEF	PIP4K2C	rs11172192	C	T	0.068	0.012	0.131	1.81E-08	-0.013	0.004	7.69E-04	0.001	31.688	TRUE	1.07E-05
PEF	PIP4K2C	rs112067870	A	G	0.157	0.022	0.038	3.71E-13	0.002	0.006	0.686	0.002	52.789	TRUE	8.28E-12
PEF	PIP4K2C	rs144791624	G	A	-0.211	0.030	0.023	2.29E-12	0.018	0.011	0.095	0.002	49.213	TRUE	4.75E-10
PEF	PIP4K2C	rs33927108	C	T	-0.094	0.016	0.070	9.84E-09	-0.003	0.005	0.626	0.001	32.870	TRUE	9.10E-08
PEF	PIP4K2C	rs473465	A	G	-0.055	0.009	0.254	2.17E-09	0.002	0.003	0.442	0.001	35.813	TRUE	3.88E-08
PEF	PIP4K2C	rs4760335	C	T	-0.057	0.008	0.332	1.50E-11	0.005	0.003	0.067	0.001	45.530	TRUE	3.03E-09
PEF	PIP4K2C	rs7313599	G	A	0.122	0.008	0.412	7.13E-52	-0.009	0.003	2.40E-04	0.007	229.630	TRUE	3.67E-41
PEF	PLAGL2	rs1205843	T	G	0.147	0.012	0.133	2.13E-35	0.009	0.004	0.011	0.005	154.156	TRUE	8.76E-29
PEF	PLAGL2	rs296471	T	C	0.074	0.013	0.116	3.79E-09	0.005	0.004	0.172	0.001	34.725	TRUE	1.57E-07
PEF	PLAGL2	rs67028492	C	T	-0.079	0.012	0.138	7.75E-11	-0.011	0.004	0.003	0.001	42.318	TRUE	8.57E-08
PEF	PLAGL2	rs76892796	G	A	-0.312	0.041	0.016	4.59E-14	0.000	0.010	0.993	0.002	56.893	TRUE	5.45E-13
PEF	PPARD	rs2299871	C	T	-0.084	0.012	0.161	4.01E-13	-0.005	0.003	0.101	0.002	52.635	TRUE	1.04E-10
PEF	PPARD	rs73407675	A	G	0.224	0.032	0.020	5.01E-12	-0.022	0.009	0.015	0.002	47.681	TRUE	3.60E-09
PEF	PPP3R1	rs10183044	T	C	-0.070	0.008	0.447	1.23E-18	-0.004	0.003	0.114	0.002	77.650	TRUE	1.64E-15
PEF	PPP3R1	rs11126185	G	A	-0.068	0.008	0.364	1.73E-16	0.000	0.003	0.965	0.002	67.884	TRUE	3.51E-15
PEF	PPP3R1	rs111492772	A	G	-0.143	0.018	0.049	8.16E-15	-0.013	0.006	0.023	0.002	60.292	TRUE	1.30E-11
PEF	PPP3R1	rs113486875	G	A	-0.098	0.014	0.093	3.22E-12	-0.004	0.004	0.369	0.002	48.547	TRUE	1.50E-10
PEF	PPP3R1	rs114482477	A	G	-0.225	0.034	0.019	2.30E-11	0.001	0.010	0.946	0.001	44.692	TRUE	1.81E-10
PEF	PPP3R1	rs114680231	C	T	-0.105	0.018	0.064	7.43E-09	0.005	0.005	0.366	0.001	33.418	TRUE	1.38E-07
PEF	PPP3R1	rs116211567	C	T	0.464	0.015	0.079	3.25E-224	-0.002	0.005	0.613	0.031	1021.752	TRUE	1.83E-201
PEF	PPP3R1	rs13017437	A	G	0.204	0.022	0.033	9.20E-20	-0.003	0.007	0.696	0.003	82.768	TRUE	8.56E-18
PEF	PPP3R1	rs139725172	C	T	-0.261	0.042	0.016	6.70E-10	0.023	0.012	0.055	0.001	38.104	TRUE	8.87E-08
PEF	PPP3R1	rs147186072	G	T	0.260	0.029	0.024	4.12E-19	0.018	0.008	0.020	0.003	79.808	TRUE	3.67E-15
PEF	PPP3R1	rs147787125	A	G	-0.357	0.028	0.024	5.31E-36	0.002	0.007	0.772	0.005	156.915	TRUE	1.28E-32
PEF	PPP3R1	rs17523803	A	G	0.128	0.017	0.056	2.19E-13	0.011	0.006	0.057	0.002	53.822	TRUE	9.88E-11
PEF	PPP3R1	rs1868403	C	T	0.146	0.009	0.263	8.51E-59	0.001	0.003	0.773	0.008	261.382	TRUE	2.65E-53
PEF	PPP3R1	rs56181200	C	A	-0.069	0.010	0.176	3.18E-11	0.001	0.003	0.764	0.001	44.060	TRUE	3.84E-10
PEF	PPP3R1	rs6546371	C	A	-0.065	0.009	0.311	2.38E-14	0.000	0.003	0.916	0.002	58.189	TRUE	3.70E-13
PEF	PPP3R1	rs6714643	T	C	-0.369	0.044	0.017	2.37E-17	-0.013	0.074	0.863	0.002	71.804	TRUE	8.08E-16
PEF	PPP3R1	rs6730356	A	G	0.066	0.009	0.242	2.37E-12	-0.001	0.003	0.739	0.002	49.151	TRUE	3.72E-11
PEF	PPP3R1	rs6750368	A	G	-0.281	0.042	0.017	2.15E-11	-0.010	0.010	0.309	0.001	44.823	TRUE	9.97E-10

PEF	PPP3R1	rs6757906	C	A	-0.320	0.008	0.339	0.00E+00	-0.006	0.003	0.017	0.046	1522.891	TRUE	2.41E-289
PEF	PPP3R1	rs72836377	G	A	0.185	0.033	0.019	1.60E-08	-0.013	0.009	0.159	0.001	31.920	TRUE	5.84E-07
PEF	PPP3R1	rs7604812	A	G	-0.068	0.011	0.151	1.06E-09	0.001	0.004	0.764	0.001	37.203	TRUE	9.05E-09
PEF	PPP3R1	rs78934824	T	C	0.151	0.016	0.074	2.12E-21	0.002	0.005	0.702	0.003	90.222	TRUE	2.89E-19
PEF	PRKAB1	rs10774543	C	T	-0.050	0.009	0.319	3.98E-09	0.006	0.003	0.037	0.001	34.633	TRUE	5.22E-07
PEF	PRKAB1	rs11064762	C	T	0.184	0.028	0.022	5.47E-11	0.008	0.008	0.347	0.001	42.999	TRUE	1.95E-09
PEF	PRKAB1	rs11064809	A	G	-0.253	0.023	0.035	1.25E-28	-0.007	0.007	0.308	0.004	123.216	TRUE	5.58E-25
PEF	PRKAB1	rs11064834	G	A	0.120	0.017	0.060	1.22E-12	0.001	0.006	0.908	0.002	50.452	TRUE	1.38E-11
PEF	PRKAB1	rs11064854	G	A	-0.442	0.015	0.081	2.25E-179	-0.006	0.004	0.167	0.025	815.492	TRUE	2.50E-158
PEF	PRKAB1	rs11064994	G	A	0.141	0.018	0.058	4.92E-15	-0.001	0.005	0.769	0.002	61.289	TRUE	1.31E-13
PEF	PRKAB1	rs11065015	T	C	-0.250	0.028	0.026	1.47E-19	0.023	0.008	0.004	0.003	81.843	TRUE	5.38E-15
PEF	PRKAB1	rs11065159	G	A	0.242	0.037	0.020	5.89E-11	0.023	0.010	0.017	0.001	42.853	TRUE	2.58E-08
PEF	PRKAB1	rs112088749	A	G	0.138	0.023	0.036	2.39E-09	-0.009	0.006	0.100	0.001	35.624	TRUE	1.68E-07
PEF	PRKAB1	rs113004644	T	C	-0.173	0.012	0.130	2.14E-46	-0.004	0.004	0.251	0.006	204.522	TRUE	1.32E-40
PEF	PRKAB1	rs117067019	C	T	0.271	0.024	0.032	2.15E-30	0.007	0.006	0.256	0.004	131.269	TRUE	2.29E-26
PEF	PRKAB1	rs117076788	T	C	-0.511	0.030	0.025	1.95E-65	-0.001	0.009	0.951	0.009	291.851	TRUE	8.65E-60
PEF	PRKAB1	rs117200164	A	G	-0.399	0.026	0.025	2.39E-53	0.006	0.007	0.424	0.007	236.387	TRUE	2.04E-47
PEF	PRKAB1	rs117758322	A	C	-0.483	0.042	0.014	7.06E-31	0.037	0.012	0.002	0.004	133.482	TRUE	3.85E-24
PEF	PRKAB1	rs117864951	G	A	-0.131	0.024	0.036	4.95E-08	-0.006	0.007	0.428	0.001	29.735	TRUE	6.03E-07
PEF	PRKAB1	rs117872759	G	A	0.413	0.019	0.046	1.19E-101	0.006	0.005	0.229	0.014	458.159	TRUE	9.79E-90
PEF	PRKAB1	rs12296843	A	G	0.129	0.010	0.231	6.60E-36	0.004	0.004	0.267	0.005	156.485	TRUE	2.61E-31
PEF	PRKAB1	rs137937400	A	G	0.137	0.021	0.041	6.87E-11	-0.005	0.006	0.399	0.001	42.552	TRUE	2.00E-09
PEF	PRKAB1	rs138689173	A	G	-0.251	0.036	0.017	2.23E-12	0.002	0.012	0.859	0.002	49.266	TRUE	2.66E-11
PEF	PRKAB1	rs141007011	C	T	-0.423	0.043	0.015	1.33E-22	-0.004	0.012	0.752	0.003	95.697	TRUE	1.92E-20
PEF	PRKAB1	rs149857526	T	G	-0.320	0.037	0.016	2.07E-18	-0.012	0.011	0.267	0.002	76.621	TRUE	8.16E-16
PEF	PRKAB1	rs17485664	C	T	0.742	0.016	0.063	0.00E+00	0.015	0.005	0.005	0.064	2183.598	TRUE	0.00E+00
PEF	PRKAB1	rs17499109	A	G	0.222	0.014	0.101	1.56E-58	0.005	0.004	0.215	0.008	260.179	TRUE	2.86E-51
PEF	PRKAB1	rs202983	A	G	-0.078	0.009	0.266	2.62E-18	0.002	0.003	0.573	0.002	76.149	TRUE	2.78E-16
PEF	PRKAB1	rs2464798	A	G	-0.193	0.009	0.262	6.96E-102	-0.002	0.003	0.454	0.014	459.232	TRUE	3.56E-91
PEF	PRKAB1	rs2524393	A	G	0.104	0.015	0.076	1.22E-11	0.006	0.005	0.189	0.001	45.944	TRUE	1.05E-09
PEF	PRKAB1	rs34179846	C	T	0.161	0.014	0.094	5.69E-31	0.006	0.004	0.168	0.004	133.913	TRUE	1.50E-26
PEF	PRKAB1	rs35811623	G	A	0.131	0.023	0.031	1.79E-08	0.006	0.007	0.358	0.001	31.706	TRUE	3.05E-07
PEF	PRKAB1	rs3902094	A	G	0.418	0.033	0.018	1.94E-36	0.010	0.009	0.245	0.005	158.916	TRUE	1.06E-31
PEF	PRKAB1	rs4379896	T	C	0.070	0.008	0.468	2.95E-18	0.004	0.003	0.130	0.002	75.918	TRUE	2.91E-15
PEF	PRKAB1	rs4465416	T	G	0.061	0.008	0.453	2.14E-14	0.006	0.003	0.014	0.002	58.393	TRUE	4.34E-11
PEF	PRKAB1	rs4767921	A	G	-0.069	0.008	0.346	1.24E-16	-0.003	0.003	0.341	0.002	68.534	TRUE	2.15E-14
PEF	PRKAB1	rs528708	T	G	-0.097	0.011	0.170	9.34E-20	-0.001	0.003	0.714	0.003	82.739	TRUE	8.24E-18
PEF	PRKAB1	rs59595036	G	A	0.143	0.019	0.056	5.74E-14	-0.005	0.009	0.608	0.002	56.453	TRUE	1.91E-12
PEF	PRKAB1	rs61945854	C	T	-0.086	0.013	0.103	5.79E-11	0.009	0.004	0.023	0.001	42.887	TRUE	2.21E-08
PEF	PRKAB1	rs73217238	C	T	0.073	0.010	0.203	1.53E-12	0.006	0.003	0.052	0.002	50.001	TRUE	5.51E-10
PEF	PRKAB1	rs73221259	A	G	0.879	0.038	0.017	1.73E-119	-0.005	0.011	0.657	0.017	540.138	TRUE	9.31E-108
PEF	PRKAB1	rs73221277	A	G	-0.480	0.024	0.032	1.52E-86	-0.014	0.007	0.060	0.012	388.758	TRUE	9.69E-75

PEF	PRKAB1	rs74986619	A	C	-0.149	0.014	0.086	3.01E-25	-0.009	0.005	0.063	0.003	107.766	TRUE	5.89E-21
PEF	PRKAB1	rs76490401	G	A	0.128	0.023	0.032	2.89E-08	0.007	0.007	0.333	0.001	30.776	TRUE	4.99E-07
PEF	PRKAB1	rs77051199	T	C	0.207	0.027	0.025	1.01E-14	0.003	0.008	0.655	0.002	59.869	TRUE	3.51E-13
PEF	PRKAB1	rs78496826	G	A	0.217	0.028	0.030	6.79E-15	-0.001	0.025	0.965	0.002	60.655	TRUE	1.04E-13
PEF	PRKAB1	rs7956304	A	G	0.087	0.010	0.218	1.56E-19	0.008	0.003	0.007	0.003	81.731	TRUE	3.48E-15
PEF	PRKAB1	rs804441	T	C	0.108	0.009	0.293	1.42E-35	0.006	0.003	0.039	0.005	154.962	TRUE	1.12E-29
PEF	PRKAB1	rs804460	T	G	-0.062	0.008	0.457	9.51E-15	-0.001	0.003	0.744	0.002	59.991	TRUE	2.46E-13
PEF	PRKAB1	rs884033	G	A	0.093	0.008	0.409	8.77E-31	0.004	0.003	0.158	0.004	133.053	TRUE	2.16E-26
PEF	PTGDS	rs12554888	T	C	0.122	0.015	0.318	3.19E-15	0.002	0.003	0.427	0.002	62.144	TRUE	2.63E-13
PEF	PTGDS	rs12555238	T	C	-0.128	0.014	0.294	8.75E-19	0.000	0.003	0.900	0.002	78.318	TRUE	3.34E-17
PEF	PTGDS	rs28544087	G	A	0.073	0.013	0.280	3.90E-08	-0.010	0.003	3.75E-04	0.001	30.195	TRUE	2.35E-05
PEF	PTGDS	rs35695634	T	C	0.231	0.031	0.050	9.71E-14	0.005	0.005	0.312	0.002	55.421	TRUE	8.33E-12
PEF	PTGDS	rs3829107	G	A	0.111	0.014	0.297	1.35E-15	0.000	0.003	0.975	0.002	63.833	TRUE	2.29E-14
PEF	PTGDS	rs4880189	A	G	-0.141	0.014	0.257	2.02E-25	0.002	0.003	0.602	0.003	108.560	TRUE	1.01E-22
PEF	PTGDS	rs4880210	G	T	-0.120	0.022	0.114	2.60E-08	0.004	0.004	0.345	0.001	30.985	TRUE	4.37E-07
PEF	PTGDS	rs56048026	T	C	0.262	0.031	0.049	5.87E-17	-0.008	0.005	0.121	0.002	70.016	TRUE	4.07E-14
PEF	PTGDS	rs58476028	G	A	-0.172	0.016	0.157	1.20E-25	0.004	0.003	0.241	0.003	109.588	TRUE	4.10E-22
PEF	PTGDS	rs61744585	T	C	-0.332	0.060	0.017	3.28E-08	0.012	0.010	0.229	0.001	30.530	TRUE	7.93E-07
PEF	PTGDS	rs8666	T	C	0.279	0.040	0.030	3.04E-12	0.002	0.007	0.747	0.002	48.659	TRUE	4.61E-11
PEF	PTGDS	rs885070	G	A	0.302	0.012	0.462	7.28E-149	-0.005	0.003	0.045	0.021	675.191	TRUE	2.89E-129
PEF	RASIP1	rs1231281	A	G	0.081	0.008	0.439	4.43E-24	-0.010	0.003	1.42E-04	0.003	102.440	TRUE	1.05E-17
PEF	RHOT1	rs1039402	T	C	-0.068	0.012	0.129	9.24E-09	-0.001	0.004	0.842	0.001	32.994	TRUE	5.28E-08
PEF	RHOT1	rs112029880	A	G	-0.091	0.010	0.202	4.15E-19	-0.001	0.003	0.787	0.003	79.791	TRUE	2.59E-17
PEF	RHOT1	rs11650026	A	C	0.174	0.017	0.075	3.77E-24	-0.002	0.005	0.749	0.003	102.760	TRUE	7.70E-22
PEF	RHOT1	rs11654800	T	C	0.111	0.008	0.425	1.43E-40	0.005	0.003	0.062	0.006	177.842	TRUE	2.94E-34
PEF	RHOT1	rs118105946	G	A	0.146	0.020	0.048	3.02E-13	0.002	0.005	0.691	0.002	53.193	TRUE	6.73E-12
PEF	RHOT1	rs12944565	A	G	-0.166	0.009	0.312	8.68E-85	0.004	0.003	0.186	0.012	380.696	TRUE	2.09E-74
PEF	RHOT1	rs141988744	C	T	-0.311	0.049	0.017	3.01E-10	0.006	0.014	0.647	0.001	39.668	TRUE	3.77E-09
PEF	RHOT1	rs144382041	A	G	-0.384	0.039	0.016	1.95E-23	0.015	0.012	0.200	0.003	99.510	TRUE	4.67E-20
PEF	RHOT1	rs147933234	T	C	-0.325	0.027	0.027	1.49E-32	0.007	0.008	0.383	0.004	141.149	TRUE	1.12E-28
PEF	RHOT1	rs147960200	T	C	0.202	0.032	0.018	2.40E-10	0.004	0.008	0.677	0.001	40.104	TRUE	2.87E-09
PEF	RHOT1	rs149254344	G	C	-0.162	0.024	0.037	1.06E-11	-0.002	0.006	0.695	0.001	46.205	TRUE	1.64E-10
PEF	RHOT1	rs167298	A	G	-0.112	0.009	0.440	3.45E-38	0.002	0.003	0.492	0.005	166.926	TRUE	5.50E-34
PEF	RHOT1	rs2905171	C	T	0.053	0.009	0.281	3.33E-09	0.005	0.003	0.082	0.001	34.980	TRUE	2.58E-07
PEF	RHOT1	rs425309	T	C	-0.102	0.019	0.052	3.91E-08	0.000	0.006	0.948	0.001	30.193	TRUE	1.63E-07
PEF	RHOT1	rs450735	T	C	-0.059	0.009	0.254	1.15E-10	-0.002	0.003	0.560	0.001	41.551	TRUE	1.93E-09
PEF	RHOT1	rs4795702	G	A	-0.070	0.009	0.269	1.13E-14	-0.001	0.003	0.666	0.002	59.653	TRUE	3.61E-13
PEF	RHOT1	rs55861514	T	C	-0.133	0.022	0.035	3.00E-09	-0.007	0.007	0.321	0.001	35.181	TRUE	7.22E-08
PEF	RHOT1	rs62062229	C	T	0.070	0.009	0.256	3.46E-14	0.000	0.003	0.886	0.002	57.453	TRUE	5.52E-13
PEF	RHOT1	rs62062440	C	T	0.186	0.014	0.116	3.62E-41	0.003	0.004	0.359	0.006	180.569	TRUE	2.66E-36
PEF	RHOT1	rs6505264	A	G	-0.442	0.037	0.017	2.01E-33	0.009	0.010	0.343	0.005	145.121	TRUE	2.43E-29
PEF	RHOT1	rs72825779	C	T	0.180	0.024	0.035	2.24E-14	0.008	0.006	0.201	0.002	58.308	TRUE	4.14E-12

PEF	RHOT1	rs739799	T	C	-0.418	0.042	0.016	6.13E-23	0.031	0.010	0.003	0.003	97.237	TRUE	1.10E-17
PEF	RHOT1	rs79573699	T	C	-0.209	0.023	0.034	1.37E-19	0.010	0.009	0.261	0.003	81.984	TRUE	7.68E-17
PEF	RHOT1	rs9902817	T	C	0.078	0.013	0.099	4.49E-09	0.005	0.004	0.197	0.001	34.396	TRUE	1.63E-07
PEF	RHOT1	rs9909295	C	T	-0.390	0.010	0.173	0.00E+00	0.015	0.003	6.24E-06	0.044	1442.611	TRUE	4.31E-265
PEF	RIPK1	rs1054133	C	T	0.060	0.008	0.358	8.45E-13	0.000	0.003	0.989	0.002	51.171	TRUE	7.69E-12
PEF	RIPK1	rs11242823	G	A	0.097	0.008	0.470	2.22E-31	-0.001	0.003	0.802	0.004	135.779	TRUE	1.67E-28
PEF	RIPK1	rs12190023	C	T	-0.055	0.009	0.276	5.01E-10	0.008	0.003	0.007	0.001	38.671	TRUE	2.43E-07
PEF	RIPK1	rs13201973	T	C	-0.122	0.009	0.271	3.44E-42	-0.002	0.003	0.507	0.006	185.254	TRUE	1.21E-37
PEF	RIPK1	rs138223915	C	T	0.182	0.028	0.022	1.05E-10	-0.001	0.009	0.891	0.001	41.719	TRUE	8.29E-10
PEF	RIPK1	rs17513139	T	C	0.274	0.027	0.025	1.01E-24	-0.006	0.008	0.492	0.003	105.377	TRUE	6.75E-22
PEF	RIPK1	rs2064310	C	A	0.552	0.018	0.051	5.93E-208	0.014	0.007	0.039	0.029	946.944	TRUE	3.38E-181
PEF	RIPK1	rs2231353	C	G	0.211	0.025	0.092	5.10E-17	0.008	0.008	0.273	0.002	70.294	TRUE	1.35E-14
PEF	RIPK1	rs2756071	A	G	-0.087	0.009	0.317	1.74E-24	0.005	0.003	0.053	0.003	104.291	TRUE	3.27E-20
PEF	RIPK1	rs55833871	G	A	-0.132	0.016	0.069	7.06E-17	-0.006	0.005	0.239	0.002	69.652	TRUE	2.16E-14
PEF	RIPK1	rs6903843	T	C	0.320	0.032	0.024	1.01E-23	-0.011	0.007	0.093	0.003	100.812	TRUE	7.66E-20
PEF	RIPK1	rs7739011	C	T	0.114	0.018	0.057	3.51E-10	0.004	0.006	0.490	0.001	39.368	TRUE	6.56E-09
PEF	RIPK1	rs927343	G	A	0.080	0.010	0.211	3.42E-16	-0.006	0.003	0.046	0.002	66.539	TRUE	5.04E-13
PEF	RNF41	rs12229022	C	T	-0.115	0.013	0.109	3.32E-19	0.009	0.004	0.017	0.003	80.234	TRUE	3.15E-15
PEF	RNF41	rs2292238	C	A	0.045	0.008	0.401	2.35E-08	-0.007	0.003	0.008	0.001	31.181	TRUE	4.54E-06
PEF	RNF41	rs73342303	A	G	-0.176	0.030	0.020	2.60E-09	0.008	0.009	0.390	0.001	35.457	TRUE	5.13E-08
PEF	RNF41	rs75995312	A	C	0.290	0.035	0.017	1.13E-16	-0.010	0.010	0.338	0.002	68.723	TRUE	1.97E-14
PEF	RPS27L	rs113010023	A	G	-0.417	0.074	0.019	2.08E-08	0.016	0.013	0.237	0.001	31.416	TRUE	5.16E-07
PEF	RPS27L	rs12899931	C	T	-0.158	0.013	0.107	9.64E-35	0.014	0.004	0.001	0.005	151.158	TRUE	2.53E-27
PEF	RPS27L	rs4984265	A	G	-0.062	0.010	0.210	3.10E-10	0.005	0.003	0.132	0.001	39.609	TRUE	2.31E-08
PEF	RPS6KB1	rs112911630	A	G	-0.146	0.013	0.143	1.55E-31	0.001	0.003	0.674	0.004	136.488	TRUE	2.11E-28
PEF	RPS6KB1	rs1292060	G	A	0.101	0.009	0.317	2.60E-32	-0.010	0.003	2.32E-04	0.004	140.039	TRUE	1.06E-24
PEF	RPS6KB1	rs8079003	G	C	0.083	0.014	0.098	1.15E-09	-0.005	0.004	0.231	0.001	37.045	TRUE	4.43E-08
PEF	S100A13	rs10158450	C	T	0.064	0.009	0.437	1.37E-12	-0.002	0.003	0.366	0.002	50.220	TRUE	7.38E-11
PEF	S100A13	rs1046381	G	A	0.335	0.009	0.457	0.00E+00	-0.008	0.003	0.001	0.047	1552.073	TRUE	6.46E-291
PEF	S100A13	rs10908420	T	C	-0.200	0.017	0.081	8.53E-32	0.007	0.005	0.134	0.004	137.677	TRUE	3.85E-27
PEF	S100A13	rs112122564	A	G	-0.285	0.032	0.026	1.23E-18	-0.013	0.007	0.060	0.002	77.639	TRUE	3.27E-15
PEF	S100A13	rs112559935	T	G	-0.118	0.021	0.057	3.05E-08	0.005	0.006	0.444	0.001	30.676	TRUE	3.80E-07
PEF	S100A13	rs114678888	A	C	-0.339	0.032	0.026	3.85E-26	-0.003	0.006	0.696	0.004	111.845	TRUE	1.49E-23
PEF	S100A13	rs115270699	A	G	0.197	0.022	0.052	1.88E-18	-0.006	0.006	0.329	0.002	76.810	TRUE	5.53E-16
PEF	S100A13	rs116805289	C	A	0.212	0.038	0.019	2.41E-08	0.021	0.008	0.014	0.001	31.134	TRUE	3.75E-06
PEF	S100A13	rs12048950	C	T	0.073	0.012	0.169	3.71E-10	-0.001	0.004	0.883	0.001	39.256	TRUE	2.62E-09
PEF	S100A13	rs12759924	C	T	0.150	0.011	0.190	7.11E-41	-0.004	0.003	0.240	0.006	179.225	TRUE	1.27E-35
PEF	S100A13	rs142156258	T	C	-0.427	0.076	0.020	1.80E-08	-0.004	0.010	0.679	0.001	31.697	TRUE	1.38E-07
PEF	S100A13	rs151205508	C	T	-0.244	0.040	0.019	1.03E-09	0.019	0.010	0.059	0.001	37.271	TRUE	1.20E-07
PEF	S100A13	rs16835532	A	G	0.301	0.040	0.017	5.73E-14	-0.006	0.009	0.485	0.002	56.460	TRUE	2.78E-12
PEF	S100A13	rs2297607	G	A	0.075	0.010	0.231	2.60E-13	0.002	0.003	0.542	0.002	53.486	TRUE	9.28E-12
PEF	S100A13	rs28472359	C	T	0.111	0.019	0.075	6.77E-09	-0.002	0.004	0.631	0.001	33.598	TRUE	6.49E-08

PEF	S100A13	rs35138279	T	C	0.144	0.013	0.136	9.37E-28	0.001	0.004	0.796	0.004	119.213	TRUE	3.60E-25
PEF	S100A13	rs35221765	A	G	0.069	0.010	0.249	7.92E-12	0.002	0.003	0.394	0.001	46.782	TRUE	2.89E-10
PEF	S100A13	rs35479618	A	G	-0.847	0.097	0.016	2.18E-18	-0.012	0.010	0.203	0.002	76.516	TRUE	1.27E-15
PEF	S100A13	rs3811454	C	A	-0.089	0.016	0.085	1.21E-08	0.001	0.004	0.782	0.001	32.465	TRUE	7.74E-08
PEF	S100A13	rs41265181	G	T	0.211	0.020	0.064	6.36E-25	-0.006	0.005	0.223	0.003	106.285	TRUE	1.89E-21
PEF	S100A13	rs41265183	T	C	-0.192	0.018	0.067	2.26E-27	0.010	0.005	0.034	0.004	117.467	TRUE	1.77E-22
PEF	S100A13	rs41310855	A	G	0.235	0.024	0.044	2.28E-23	-0.015	0.006	0.014	0.003	99.199	TRUE	1.26E-18
PEF	S100A13	rs61805740	A	G	-0.117	0.021	0.048	1.17E-08	0.001	0.007	0.936	0.001	32.529	TRUE	5.44E-08
PEF	S100A13	rs72711026	C	T	-0.235	0.027	0.033	8.46E-18	0.006	0.006	0.295	0.002	73.838	TRUE	2.46E-15
PEF	S100A13	rs77282452	G	A	0.229	0.018	0.073	5.69E-39	-0.005	0.005	0.374	0.005	170.512	TRUE	2.18E-34
PEF	S100A13	rs9727362	T	C	0.148	0.023	0.046	1.70E-10	0.001	0.006	0.860	0.001	40.784	TRUE	1.36E-09
PEF	SAT2	rs112982019	C	T	0.296	0.024	0.031	9.87E-36	0.006	0.007	0.351	0.005	155.686	TRUE	2.06E-31
PEF	SAT2	rs12946592	A	G	-0.073	0.010	0.202	1.61E-13	-0.002	0.003	0.609	0.002	54.428	TRUE	4.88E-12
PEF	SAT2	rs138886864	C	A	0.190	0.029	0.024	9.67E-11	0.005	0.009	0.618	0.001	41.884	TRUE	1.46E-09
PEF	SAT2	rs17607	A	G	0.276	0.021	0.046	5.02E-40	0.014	0.006	0.024	0.006	175.339	TRUE	3.59E-33
PEF	SAT2	rs35721044	T	C	-0.153	0.011	0.170	6.44E-43	-0.003	0.003	0.342	0.006	188.584	TRUE	7.77E-38
PEF	SAT2	rs4265881	T	C	-0.061	0.010	0.225	1.47E-10	0.001	0.003	0.793	0.001	41.070	TRUE	1.39E-09
PEF	SAT2	rs55662831	A	G	-0.100	0.009	0.344	2.36E-31	-0.003	0.003	0.315	0.004	135.658	TRUE	2.02E-27
PEF	SAT2	rs55956545	T	C	0.153	0.021	0.044	4.19E-13	-0.008	0.007	0.267	0.002	52.548	TRUE	3.74E-11
PEF	SAT2	rs60370790	A	G	0.071	0.008	0.332	4.04E-17	0.004	0.003	0.151	0.002	70.754	TRUE	2.19E-14
PEF	SAT2	rs61627308	G	A	0.150	0.014	0.096	1.88E-27	0.000	0.004	0.969	0.004	117.831	TRUE	3.43E-25
PEF	SAT2	rs7209048	A	C	0.083	0.013	0.110	1.09E-10	0.004	0.004	0.319	0.001	41.647	TRUE	3.98E-09
PEF	SAT2	rs72841482	T	C	0.087	0.014	0.093	2.07E-09	-0.011	0.004	0.006	0.001	35.904	TRUE	7.75E-07
PEF	SAT2	rs75166195	A	C	0.195	0.020	0.043	1.04E-22	0.007	0.006	0.270	0.003	96.199	TRUE	1.25E-19
PEF	SAT2	rs77697176	A	G	-0.165	0.020	0.048	3.32E-17	-0.005	0.006	0.395	0.002	71.138	TRUE	5.29E-15
PEF	SAT2	rs78496430	G	A	-0.151	0.020	0.048	4.33E-14	-0.007	0.006	0.220	0.002	57.008	TRUE	6.57E-12
PEF	SAT2	rs8075482	C	A	0.155	0.018	0.059	1.79E-18	0.003	0.006	0.565	0.002	76.905	TRUE	2.02E-16
PEF	SAT2	rs858520	T	C	0.275	0.008	0.394	4.84E-260	0.008	0.003	0.003	0.036	1186.583	TRUE	2.21E-223
PEF	SAT2	rs9896688	T	A	-0.096	0.011	0.138	8.11E-17	-0.002	0.004	0.598	0.002	69.378	TRUE	5.63E-15
PEF	SAT2	rs9899183	C	T	-0.172	0.009	0.253	1.83E-79	-0.001	0.003	0.810	0.011	356.244	TRUE	4.20E-72
PEF	SAT2	rs9907657	T	G	-0.107	0.011	0.148	1.16E-21	-0.009	0.003	0.006	0.003	91.426	TRUE	6.62E-17
PEF	SELK	rs34724920	A	G	-0.125	0.014	0.090	2.52E-19	0.004	0.004	0.333	0.003	80.775	TRUE	9.22E-17
PEF	SELK	rs3816144	G	A	-0.109	0.008	0.454	1.67E-42	0.008	0.003	9.87E-04	0.006	186.682	TRUE	1.04E-33
PEF	SELK	rs75049358	G	A	-0.106	0.016	0.068	2.04E-11	0.005	0.006	0.410	0.001	44.930	TRUE	6.60E-10
PEF	SENP1	rs12311774	A	C	-0.151	0.011	0.189	2.91E-42	-0.023	0.003	1.28E-13	0.006	185.585	TRUE	1.02E-27
PEF	SENP1	rs4579969	G	A	0.056	0.009	0.397	4.88E-10	0.007	0.003	0.010	0.001	38.721	TRUE	2.04E-07
PEF	SENP1	rs4760683	C	T	0.068	0.011	0.181	1.50E-09	0.005	0.003	0.172	0.001	36.535	TRUE	7.33E-08
PEF	SFRP2	rs12643219	C	T	-0.129	0.010	0.203	6.22E-39	-0.002	0.003	0.458	0.005	170.332	TRUE	1.30E-34
PEF	SFRP2	rs13151371	T	C	-0.044	0.008	0.507	3.86E-08	0.000	0.003	0.941	0.001	30.217	TRUE	1.63E-07
PEF	SFRP2	rs2083288	T	C	0.064	0.010	0.225	4.22E-11	-0.003	0.003	0.301	0.001	43.504	TRUE	1.84E-09
PEF	SFRP2	rs74810285	A	G	0.134	0.024	0.037	1.55E-08	-0.012	0.006	0.046	0.001	31.988	TRUE	1.38E-06
PEF	SFRP2	rs75160897	T	A	0.109	0.015	0.075	1.15E-12	-0.004	0.005	0.362	0.002	50.561	TRUE	6.25E-11

PEF	SFRP2	rs75455374	T	C	0.179	0.028	0.022	2.26E-10	-0.008	0.008	0.299	0.001	40.229	TRUE	8.02E-09
PEF	SFRP2	rs7653960	T	G	0.164	0.009	0.296	1.75E-80	-0.008	0.003	0.006	0.011	360.924	TRUE	1.96E-67
PEF	SFRP2	rs76732887	C	T	0.074	0.013	0.106	1.40E-08	-0.006	0.004	0.122	0.001	32.183	TRUE	6.50E-07
PEF	SFRP2	rs7685393	C	G	-0.051	0.008	0.342	1.21E-09	0.007	0.003	0.010	0.001	36.945	TRUE	3.87E-07
PEF	SGSH	rs114747872	A	G	0.667	0.030	0.040	2.74E-110	-0.013	0.006	0.037	0.015	497.856	TRUE	3.75E-95
PEF	SGSH	rs117957128	T	C	0.523	0.077	0.018	8.88E-12	0.001	0.014	0.957	0.001	46.559	TRUE	7.33E-11
PEF	SGSH	rs11867921	G	T	-0.079	0.014	0.246	1.08E-08	0.006	0.003	0.051	0.001	32.691	TRUE	9.05E-07
PEF	SGSH	rs12601635	T	C	0.121	0.018	0.125	1.33E-11	-0.002	0.004	0.649	0.001	45.764	TRUE	2.27E-10
PEF	SGSH	rs149690408	C	T	0.793	0.127	0.017	4.93E-10	-0.004	0.016	0.797	0.001	38.704	TRUE	4.15E-09
PEF	SGSH	rs1982244	T	C	0.083	0.014	0.252	1.03E-09	0.001	0.003	0.811	0.001	37.261	TRUE	7.68E-09
PEF	SGSH	rs2304856	T	C	0.182	0.012	0.482	4.37E-54	0.001	0.003	0.840	0.008	239.774	TRUE	3.42E-49
PEF	SGSH	rs55831872	A	T	0.194	0.016	0.151	4.22E-32	-0.004	0.004	0.265	0.004	139.076	TRUE	6.28E-28
PEF	SGSH	rs55908102	T	C	-0.236	0.037	0.032	2.17E-10	0.004	0.006	0.584	0.001	40.302	TRUE	3.35E-09
PEF	SGSH	rs61757652	T	C	0.138	0.021	0.086	5.42E-11	0.007	0.005	0.186	0.001	43.015	TRUE	3.80E-09
PEF	SGSH	rs8076666	A	G	-0.111	0.019	0.110	4.44E-09	0.003	0.004	0.458	0.001	34.417	TRUE	6.61E-08
PEF	SH3GLB1	rs112331844	C	G	0.133	0.015	0.073	3.40E-18	0.002	0.005	0.697	0.002	75.636	TRUE	2.23E-16
PEF	SH3GLB1	rs12142266	T	C	-0.048	0.008	0.484	1.50E-09	0.001	0.003	0.622	0.001	36.532	TRUE	1.72E-08
PEF	SH3GLB1	rs60717560	C	T	-0.176	0.013	0.098	2.74E-39	-0.006	0.004	0.145	0.005	171.961	TRUE	8.52E-34
PEF	SH3GLB1	rs61802920	C	T	-0.081	0.014	0.104	7.78E-09	-0.005	0.004	0.283	0.001	33.328	TRUE	1.85E-07
PEF	SH3GLB1	rs691339	T	C	-0.046	0.008	0.387	1.71E-08	0.001	0.003	0.775	0.001	31.799	TRUE	1.05E-07
PEF	SH3GLB1	rs7517759	T	C	-0.342	0.017	0.058	2.23E-89	-0.012	0.006	0.029	0.013	401.778	TRUE	1.67E-76
PEF	SLC1A5	rs112655142	G	T	-0.141	0.014	0.119	1.61E-24	0.007	0.004	0.058	0.003	104.441	TRUE	2.83E-20
PEF	SLC1A5	rs138552617	T	C	0.135	0.024	0.042	3.29E-08	-0.014	0.006	0.012	0.001	30.524	TRUE	5.07E-06
PEF	SLC1A5	rs142236807	T	C	0.179	0.031	0.024	4.38E-09	-0.014	0.007	0.054	0.001	34.443	TRUE	4.38E-07
PEF	SLC1A5	rs145743199	A	G	-0.222	0.035	0.021	3.16E-10	0.004	0.008	0.659	0.001	39.569	TRUE	3.81E-09
PEF	SLC1A5	rs395604	T	C	0.106	0.016	0.104	2.02E-11	0.005	0.004	0.249	0.001	44.946	TRUE	1.18E-09
PEF	SLC1A5	rs55964877	A	C	-0.137	0.022	0.040	7.91E-10	-0.002	0.007	0.825	0.001	37.781	TRUE	6.05E-09
PEF	SLC1A5	rs56305818	T	C	0.152	0.013	0.119	6.97E-30	-0.009	0.004	0.020	0.004	128.937	TRUE	2.35E-24
PEF	SLC1A5	rs60964991	A	G	0.199	0.012	0.396	7.79E-64	0.001	0.003	0.797	0.009	284.498	TRUE	6.68E-58
PEF	SLC1A5	rs6509290	T	C	-0.099	0.009	0.301	1.67E-25	0.001	0.003	0.855	0.003	108.932	TRUE	3.10E-23
PEF	SLC1A5	rs73057390	A	G	0.227	0.039	0.033	4.39E-09	0.010	0.007	0.175	0.001	34.438	TRUE	1.80E-07
PEF	SLC1A5	rs75586688	T	C	0.096	0.015	0.089	4.54E-10	-0.001	0.005	0.907	0.001	38.863	TRUE	3.07E-09
PEF	SLC1A5	rs77394147	C	T	-0.156	0.023	0.049	4.80E-12	0.008	0.006	0.193	0.002	47.764	TRUE	4.47E-10
PEF	SLC1A5	rs78409373	T	G	0.357	0.033	0.025	6.15E-27	-0.014	0.007	0.047	0.004	115.483	TRUE	2.94E-22
PEF	SLC1A5	rs8100637	C	T	-0.090	0.010	0.262	1.93E-19	-0.008	0.003	0.004	0.003	81.309	TRUE	5.80E-15
PEF	SLC1A5	rs8105903	C	A	0.153	0.009	0.463	1.08E-69	-0.005	0.003	0.044	0.010	311.382	TRUE	1.36E-59
PEF	SLC39A6	rs17648916	C	A	-0.078	0.014	0.088	3.51E-08	-0.011	0.004	0.017	0.001	30.402	TRUE	4.56E-06
PEF	SLC39A6	rs7242481	A	G	0.074	0.008	0.358	4.62E-19	0.008	0.003	0.004	0.003	79.579	TRUE	1.51E-14
PEF	SNAPIN	rs3806234	A	G	0.177	0.009	0.414	4.66E-91	0.006	0.003	0.020	0.013	409.495	TRUE	9.14E-78
PEF	SNAPIN	rs41265181	G	T	-0.120	0.020	0.064	4.55E-09	-0.006	0.005	0.223	0.001	34.372	TRUE	1.44E-07
PEF	SNAPIN	rs41310855	A	G	-0.131	0.024	0.044	2.44E-08	-0.015	0.006	0.014	0.001	31.105	TRUE	3.85E-06
PEF	SNAPIN	rs4345834	A	G	0.063	0.009	0.416	9.13E-13	0.002	0.003	0.510	0.002	51.019	TRUE	3.20E-11

PEF	SNAPIN	rs72711026	C	T	0.209	0.027	0.033	1.47E-14	0.006	0.006	0.295	0.002	59.138	TRUE	1.76E-12
PEF	SNAPIN	rs913859	A	G	-0.121	0.014	0.119	5.05E-19	-0.002	0.004	0.628	0.003	79.404	TRUE	5.15E-17
PEF	SNX32	rs10791824	A	G	0.073	0.008	0.418	1.96E-19	0.003	0.003	0.302	0.003	81.276	TRUE	8.59E-17
PEF	SNX32	rs11227229	A	G	-0.056	0.008	0.513	1.22E-11	0.003	0.003	0.188	0.001	45.930	TRUE	1.05E-09
PEF	SNX32	rs11227242	T	C	0.197	0.029	0.026	1.24E-11	-0.004	0.008	0.617	0.001	45.903	TRUE	2.33E-10
PEF	SNX32	rs11227332	G	A	0.369	0.010	0.177	5.68E-287	0.014	0.003	1.76E-05	0.040	1310.495	TRUE	2.93E-241
PEF	SNX32	rs115495487	T	C	0.214	0.024	0.031	5.45E-19	0.013	0.007	0.081	0.002	79.255	TRUE	1.15E-15
PEF	SNX32	rs117542775	T	C	0.210	0.025	0.030	1.22E-16	0.001	0.007	0.913	0.002	68.568	TRUE	2.97E-15
PEF	SNX32	rs12419727	G	A	-0.061	0.011	0.169	1.12E-08	-0.006	0.003	0.065	0.001	32.627	TRUE	8.17E-07
PEF	SNX32	rs147398525	A	G	0.338	0.061	0.013	2.74E-08	0.028	0.013	0.031	0.001	30.885	TRUE	2.78E-06
PEF	SNX32	rs1787034	C	T	0.104	0.009	0.311	5.11E-34	0.002	0.003	0.372	0.005	147.842	TRUE	5.82E-30
PEF	SNX32	rs180886350	A	G	0.429	0.037	0.016	1.71E-30	0.001	0.008	0.867	0.004	131.722	TRUE	8.46E-28
PEF	SNX32	rs3741367	C	T	-0.052	0.008	0.434	1.30E-10	0.004	0.003	0.099	0.001	41.309	TRUE	1.49E-08
PEF	SNX32	rs4645923	T	C	0.448	0.066	0.012	8.94E-12	0.024	0.013	0.059	0.001	46.545	TRUE	2.23E-09
PEF	SNX32	rs56038054	T	C	0.087	0.009	0.248	2.20E-21	0.010	0.003	0.001	0.003	90.153	TRUE	3.49E-16
PEF	SNX32	rs61754785	A	G	0.207	0.033	0.018	2.58E-10	0.011	0.009	0.229	0.001	39.965	TRUE	1.19E-08
PEF	SNX32	rs654638	G	A	-0.097	0.010	0.197	1.68E-22	-0.006	0.003	0.046	0.003	95.244	TRUE	2.03E-18
PEF	SNX32	rs72932855	C	A	0.202	0.027	0.034	6.59E-14	0.005	0.006	0.419	0.002	56.184	TRUE	4.07E-12
PEF	SNX32	rs74614290	A	G	0.102	0.018	0.059	2.70E-08	0.004	0.006	0.476	0.001	30.912	TRUE	3.19E-07
PEF	SNX32	rs75191846	C	G	-0.108	0.013	0.106	1.27E-16	0.008	0.004	0.039	0.002	68.495	TRUE	2.69E-13
PEF	SNX32	rs754532	A	G	-0.104	0.009	0.323	4.94E-34	-0.001	0.003	0.619	0.005	147.909	TRUE	1.66E-30
PEF	SNX32	rs76392326	C	T	-0.160	0.027	0.024	3.24E-09	-0.001	0.008	0.912	0.001	35.030	TRUE	1.79E-08
PEF	SNX32	rs77291001	G	A	0.320	0.027	0.025	7.54E-33	0.003	0.009	0.707	0.004	142.498	TRUE	1.20E-29
PEF	SNX32	rs77705586	T	C	0.853	0.085	0.018	8.79E-24	0.011	0.009	0.213	0.003	101.085	TRUE	2.12E-20
PEF	SPATA2	rs11697848	T	C	-0.152	0.020	0.040	8.00E-14	0.015	0.006	0.012	0.002	55.803	TRUE	1.39E-10
PEF	SPHK2	rs10426317	C	T	0.172	0.009	0.296	6.15E-87	0.011	0.003	3.81E-04	0.012	390.565	TRUE	2.85E-71
PEF	SPHK2	rs12460535	A	G	0.072	0.009	0.367	1.45E-15	0.005	0.003	0.075	0.002	63.696	TRUE	1.08E-12
PEF	SPHK2	rs140534128	T	C	0.347	0.024	0.040	7.72E-49	-0.003	0.009	0.758	0.007	215.718	TRUE	3.07E-44
PEF	SPHK2	rs2890071	C	T	0.094	0.012	0.204	2.32E-14	0.003	0.003	0.327	0.002	58.241	TRUE	2.22E-12
PEF	SPHK2	rs62132803	T	C	-0.065	0.011	0.234	5.39E-09	-0.006	0.003	0.023	0.001	34.043	TRUE	8.19E-07
PEF	SPHK2	rs67824186	G	A	0.083	0.009	0.374	1.69E-20	0.004	0.003	0.124	0.003	86.124	TRUE	3.25E-17
PEF	STAT1	rs13029532	C	A	0.104	0.015	0.080	8.96E-13	-0.002	0.005	0.751	0.002	51.056	TRUE	1.52E-11
PEF	STAT1	rs3771311	G	T	0.080	0.013	0.103	6.85E-10	0.005	0.004	0.215	0.001	38.062	TRUE	2.95E-08
PEF	STAT1	rs6745710	G	C	-0.067	0.009	0.293	2.03E-14	-0.016	0.003	3.60E-09	0.002	58.501	TRUE	2.15E-08
PEF	STAT4	rs16833249	C	T	-0.055	0.009	0.394	5.49E-10	-0.006	0.003	0.015	0.001	38.492	TRUE	1.66E-07
PEF	STX4	rs1046276	T	C	0.312	0.008	0.375	0.00E+00	-0.009	0.003	3.54E-04	0.045	1508.584	TRUE	3.16E-281
PEF	STX4	rs11150606	C	T	-0.150	0.020	0.050	1.92E-13	0.013	0.010	0.181	0.002	54.087	TRUE	2.91E-11
PEF	STX4	rs112766425	G	A	0.285	0.017	0.060	5.35E-60	-0.007	0.005	0.188	0.008	266.894	TRUE	2.17E-52
PEF	STX4	rs11642632	A	G	0.186	0.024	0.032	4.49E-15	0.000	0.007	0.979	0.002	61.468	TRUE	6.78E-14
PEF	STX4	rs116849262	A	G	-0.170	0.024	0.036	2.34E-12	-0.015	0.006	0.020	0.002	49.176	TRUE	1.62E-09
PEF	STX4	rs117219760	G	T	0.277	0.042	0.024	2.61E-11	0.003	0.009	0.748	0.001	44.446	TRUE	3.27E-10
PEF	STX4	rs117829446	C	T	-0.152	0.013	0.099	1.30E-29	-0.001	0.004	0.739	0.004	127.705	TRUE	9.01E-27

PEF	STX4	rs118151917	C	G	-0.324	0.054	0.014	2.02E-09	0.010	0.012	0.433	0.001	35.955	TRUE	3.56E-08
PEF	STX4	rs12918549	T	C	-0.059	0.009	0.340	4.73E-12	0.000	0.003	0.933	0.002	47.792	TRUE	4.31E-11
PEF	STX4	rs138453524	A	G	0.282	0.035	0.019	1.55E-15	-0.005	0.011	0.627	0.002	63.561	TRUE	7.08E-14
PEF	STX4	rs139294330	G	A	-0.153	0.025	0.035	5.85E-10	0.003	0.007	0.661	0.001	38.368	TRUE	6.58E-09
PEF	STX4	rs143159643	T	C	-0.325	0.058	0.014	1.57E-08	-0.001	0.011	0.905	0.001	31.968	TRUE	7.60E-08
PEF	STX4	rs146060040	T	C	0.255	0.037	0.017	8.39E-12	-0.003	0.013	0.803	0.001	46.671	TRUE	1.02E-10
PEF	STX4	rs147208188	A	G	0.305	0.027	0.024	2.78E-29	-0.015	0.008	0.079	0.004	126.190	TRUE	1.40E-24
PEF	STX4	rs149949703	A	G	0.209	0.038	0.017	3.91E-08	-0.010	0.009	0.260	0.001	30.191	TRUE	8.05E-07
PEF	STX4	rs28385574	T	C	-0.209	0.017	0.068	8.78E-34	0.009	0.004	0.032	0.005	146.769	TRUE	5.81E-28
PEF	STX4	rs4321211	C	T	-0.049	0.008	0.493	6.72E-10	-0.005	0.003	0.037	0.001	38.099	TRUE	1.21E-07
PEF	STX4	rs4447446	C	T	0.112	0.008	0.469	5.73E-45	-0.003	0.003	0.207	0.006	197.981	TRUE	3.50E-39
PEF	STX4	rs4500746	T	C	0.069	0.009	0.303	1.32E-15	-0.008	0.003	0.002	0.002	63.881	TRUE	1.42E-11
PEF	STX4	rs4889654	G	A	0.077	0.008	0.375	1.31E-20	0.000	0.003	0.978	0.003	86.630	TRUE	5.98E-19
PEF	STX4	rs56142883	T	C	0.260	0.025	0.031	6.83E-25	-0.007	0.007	0.350	0.003	106.145	TRUE	9.31E-22
PEF	STX4	rs72785572	C	T	0.194	0.018	0.063	1.48E-26	-0.005	0.005	0.404	0.004	113.744	TRUE	2.30E-23
PEF	STX4	rs72785590	A	G	0.158	0.020	0.052	1.63E-15	-0.002	0.006	0.803	0.002	63.466	TRUE	4.34E-14
PEF	STX4	rs72792516	C	T	-0.108	0.019	0.050	1.44E-08	0.003	0.006	0.593	0.001	32.136	TRUE	1.35E-07
PEF	STX4	rs72800851	T	C	-0.203	0.033	0.021	4.75E-10	0.016	0.008	0.060	0.001	38.776	TRUE	6.31E-08
PEF	STX4	rs74776661	A	C	-0.211	0.036	0.018	4.45E-09	0.018	0.012	0.136	0.001	34.413	TRUE	2.21E-07
PEF	STX4	rs75812329	A	G	0.112	0.018	0.076	4.48E-10	0.003	0.005	0.509	0.001	38.888	TRUE	7.66E-09
PEF	STX4	rs77353311	G	A	-0.199	0.014	0.098	3.68E-47	0.002	0.004	0.727	0.007	208.026	TRUE	1.25E-42
PEF	STX4	rs79030220	T	C	-0.172	0.020	0.055	1.27E-18	0.010	0.005	0.054	0.002	77.580	TRUE	3.59E-15
PEF	STX4	rs9746755	A	G	-0.086	0.008	0.519	1.13E-26	0.004	0.003	0.082	0.004	114.269	TRUE	2.63E-22
PEF	TFRC	rs111647979	A	G	-0.394	0.052	0.012	2.60E-14	0.013	0.012	0.270	0.002	58.009	TRUE	3.24E-12
PEF	TFRC	rs115402043	G	A	-0.177	0.029	0.024	1.66E-09	0.008	0.007	0.217	0.001	36.339	TRUE	6.19E-08
PEF	TFRC	rs115451598	T	C	-0.499	0.056	0.015	3.37E-19	-0.015	0.011	0.143	0.003	80.205	TRUE	3.80E-16
PEF	TFRC	rs11712192	A	G	0.097	0.012	0.207	7.11E-17	-0.004	0.003	0.235	0.002	69.637	TRUE	2.22E-14
PEF	TFRC	rs11924930	A	G	-0.078	0.009	0.326	5.41E-17	0.003	0.003	0.245	0.002	70.176	TRUE	1.74E-14
PEF	TFRC	rs12630378	C	A	0.073	0.012	0.205	2.47E-09	-0.002	0.003	0.533	0.001	35.560	TRUE	3.23E-08
PEF	TFRC	rs13092095	T	C	0.103	0.010	0.232	1.55E-23	-0.001	0.003	0.748	0.003	99.961	TRUE	2.63E-21
PEF	TFRC	rs13092821	C	T	-0.169	0.019	0.061	2.44E-19	-0.010	0.005	0.067	0.003	80.841	TRUE	6.99E-16
PEF	TFRC	rs1355533	T	C	0.070	0.009	0.500	4.03E-16	0.003	0.003	0.202	0.002	66.220	TRUE	1.22E-13
PEF	TFRC	rs140366275	A	G	0.104	0.018	0.078	1.17E-08	0.005	0.004	0.281	0.001	32.536	TRUE	2.72E-07
PEF	TFRC	rs146159581	C	T	-0.084	0.013	0.155	4.15E-10	-0.004	0.003	0.225	0.001	39.040	TRUE	1.85E-08
PEF	TFRC	rs150966305	T	C	-0.262	0.029	0.031	3.68E-20	0.009	0.007	0.153	0.003	84.580	TRUE	5.08E-17
PEF	TFRC	rs2278034	C	T	-0.053	0.009	0.508	8.06E-10	-0.002	0.003	0.428	0.001	37.744	TRUE	1.66E-08
PEF	TFRC	rs2688476	A	G	0.061	0.010	0.408	1.53E-09	0.001	0.003	0.824	0.001	36.494	TRUE	1.08E-08
PEF	TFRC	rs28429906	G	A	-0.340	0.011	0.207	1.54E-227	0.007	0.003	0.031	0.032	1037.044	TRUE	4.12E-198
PEF	TFRC	rs28651009	T	C	0.122	0.010	0.356	1.33E-36	0.002	0.003	0.472	0.005	159.669	TRUE	1.67E-32
PEF	TFRC	rs34709234	A	C	0.094	0.011	0.249	4.14E-17	0.005	0.003	0.084	0.002	70.704	TRUE	4.72E-14
PEF	TFRC	rs4078528	G	T	-0.104	0.015	0.094	4.94E-12	-0.004	0.004	0.377	0.002	47.706	TRUE	2.12E-10
PEF	TFRC	rs60801726	A	G	0.147	0.023	0.040	7.84E-11	0.006	0.008	0.438	0.001	42.294	TRUE	2.02E-09

PEF	TFRC	rs62409161	A	G	-0.360	0.020	0.049	2.62E-69	0.004	0.005	0.494	0.010	309.622	TRUE	5.50E-62
PEF	TFRC	rs6583290	G	A	0.106	0.017	0.074	3.40E-10	0.010	0.005	0.035	0.001	39.428	TRUE	6.96E-08
PEF	TFRC	rs6772320	A	T	0.153	0.015	0.108	4.46E-24	0.000	0.004	0.989	0.003	102.428	TRUE	3.90E-22
PEF	TFRC	rs6782834	G	A	-0.089	0.009	0.315	2.92E-21	-0.001	0.003	0.729	0.003	89.592	TRUE	3.31E-19
PEF	TFRC	rs6803107	A	G	-0.064	0.009	0.479	8.83E-12	-0.002	0.003	0.561	0.001	46.570	TRUE	1.99E-10
PEF	TFRC	rs6806773	A	G	0.057	0.010	0.224	4.85E-08	0.004	0.003	0.261	0.001	29.775	TRUE	9.88E-07
PEF	TFRC	rs73210053	A	G	-0.126	0.017	0.070	1.82E-13	0.006	0.005	0.202	0.002	54.187	TRUE	2.45E-11
PEF	TFRC	rs7374549	G	A	0.104	0.011	0.217	9.92E-23	-0.005	0.003	0.122	0.003	96.284	TRUE	3.99E-19
PEF	TFRC	rs7516	T	C	-0.088	0.014	0.110	5.90E-10	-0.008	0.004	0.054	0.001	38.351	TRUE	7.96E-08
PEF	TFRC	rs7616515	A	G	0.085	0.009	0.439	3.65E-22	-0.001	0.003	0.632	0.003	93.708	TRUE	7.46E-20
PEF	TFRC	rs78530091	T	C	-0.111	0.010	0.228	2.92E-26	-0.002	0.003	0.549	0.004	112.396	TRUE	2.14E-23
PEF	TFRC	rs9814409	C	A	-0.222	0.012	0.146	2.02E-73	-0.004	0.003	0.285	0.010	328.493	TRUE	8.15E-65
PEF	TFRC	rs9856595	G	A	-0.164	0.009	0.315	6.20E-68	0.004	0.003	0.181	0.009	303.313	TRUE	2.07E-59
PEF	TFRC	rs9859260	C	T	0.149	0.009	0.414	2.18E-63	0.004	0.003	0.085	0.009	282.449	TRUE	1.17E-54
PEF	TFRC	rs9869170	G	A	-0.277	0.047	0.019	3.47E-09	-0.015	0.016	0.330	0.001	34.900	TRUE	7.86E-08
PEF	TFRC	rs9883951	A	G	-0.232	0.034	0.023	1.56E-11	-0.006	0.008	0.503	0.001	45.457	TRUE	3.94E-10
PEF	TGFB2	rs12034138	T	C	0.082	0.012	0.132	5.36E-12	0.015	0.004	1.69E-04	0.001	47.549	TRUE	3.69E-08
PEF	TMEM173	rs116268473	A	G	-0.234	0.042	0.014	2.60E-08	-0.039	0.012	9.28E-04	0.001	30.985	TRUE	1.23E-05
PEF	TMEM173	rs183294366	T	C	0.300	0.028	0.026	1.03E-27	-0.033	0.009	1.73E-04	0.004	119.016	TRUE	8.80E-21
PEF	TMEM173	rs28419191	T	C	0.194	0.013	0.126	3.04E-52	-0.012	0.004	0.003	0.007	231.326	TRUE	1.74E-42
PEF	TMEM173	rs35386610	T	C	-0.278	0.023	0.036	6.48E-35	-0.005	0.006	0.400	0.005	151.945	TRUE	8.04E-31
PEF	TMEM173	rs356432	A	G	0.067	0.009	0.254	2.89E-13	-0.016	0.003	2.86E-08	0.002	53.275	TRUE	6.89E-08
PEF	TMEM173	rs356448	A	G	-0.111	0.018	0.057	9.03E-10	-0.004	0.006	0.467	0.001	37.521	TRUE	1.58E-08
PEF	TMEM173	rs356472	T	C	-0.091	0.011	0.142	2.13E-15	0.002	0.004	0.677	0.002	62.938	TRUE	8.07E-14
PEF	TMEM173	rs4835715	T	C	-0.207	0.031	0.023	4.59E-11	-0.014	0.008	0.081	0.001	43.341	TRUE	7.04E-09
PEF	TMEM173	rs4835716	A	C	0.088	0.011	0.183	1.07E-15	-0.002	0.003	0.530	0.002	64.287	TRUE	6.72E-14
PEF	TMEM173	rs6898636	C	T	0.049	0.008	0.425	3.27E-09	-0.003	0.003	0.278	0.001	35.011	TRUE	8.82E-08
PEF	TMEM173	rs71596575	A	G	-0.079	0.013	0.109	9.13E-10	0.004	0.004	0.375	0.001	37.501	TRUE	2.08E-08
PEF	TMEM173	rs7380272	T	C	-0.324	0.012	0.131	7.28E-170	-0.009	0.004	0.016	0.024	771.757	TRUE	1.27E-146
PEF	TRAF1	rs10739574	A	G	-0.182	0.013	0.108	5.31E-46	0.010	0.004	0.012	0.006	202.714	TRUE	5.59E-38
PEF	TRAF1	rs10818511	A	G	0.095	0.009	0.439	1.27E-28	-0.002	0.003	0.399	0.004	123.176	TRUE	3.35E-25
PEF	TRAF1	rs117479719	G	A	-0.240	0.025	0.030	1.54E-22	0.006	0.007	0.344	0.003	95.416	TRUE	1.18E-19
PEF	TRAF1	rs11791407	T	G	0.123	0.018	0.057	1.20E-11	-0.001	0.005	0.922	0.001	45.965	TRUE	1.06E-10
PEF	TRAF1	rs1359329	A	G	-0.157	0.011	0.161	4.42E-48	0.004	0.003	0.271	0.007	212.241	TRUE	3.84E-42
PEF	TRAF1	rs16910132	A	G	-0.142	0.025	0.026	1.59E-08	0.007	0.009	0.470	0.001	31.943	TRUE	2.00E-07
PEF	TRAF1	rs4310279	G	A	-0.208	0.009	0.267	2.86E-120	0.008	0.003	0.006	0.017	543.733	TRUE	4.26E-102
PEF	TRAF1	rs56181955	C	T	-0.205	0.023	0.032	1.49E-18	0.002	0.007	0.748	0.002	77.273	TRUE	9.03E-17
PEF	TRAF1	rs62578445	G	A	-0.114	0.019	0.046	3.03E-09	0.016	0.006	0.007	0.001	35.160	TRUE	1.00E-06
PEF	TRAF1	rs62578446	A	G	0.102	0.014	0.092	9.95E-14	0.002	0.004	0.683	0.002	55.374	TRUE	2.57E-12
PEF	TRAF1	rs62581708	C	A	-0.097	0.010	0.215	1.01E-23	0.005	0.003	0.108	0.003	100.803	TRUE	6.61E-20
PEF	TRAF1	rs74959736	A	G	0.059	0.011	0.178	2.79E-08	-0.005	0.003	0.144	0.001	30.845	TRUE	9.70E-07
PEF	TRAF1	rs77565290	T	C	-0.179	0.016	0.066	1.10E-27	-0.002	0.005	0.665	0.004	118.889	TRUE	6.97E-25

PEF	TRAF1	rs79354013	C	A	-0.433	0.041	0.016	1.25E-25	0.001	0.011	0.943	0.003	109.509	TRUE	1.71E-23
PEF	TRAF1	rs79660366	C	T	-0.154	0.020	0.045	3.73E-15	0.007	0.006	0.228	0.002	61.835	TRUE	7.21E-13
PEF	TRAF1	rs80241890	A	G	-0.119	0.016	0.070	2.41E-13	0.003	0.006	0.616	0.002	53.635	TRUE	6.79E-12
PEF	TSPO	rs117772729	T	C	0.244	0.028	0.027	8.99E-19	-0.010	0.010	0.310	0.002	78.265	TRUE	3.16E-16
PEF	TSPO	rs117794580	T	C	-0.193	0.031	0.026	2.87E-10	-0.009	0.008	0.228	0.001	39.756	TRUE	1.33E-08
PEF	TSPO	rs12152185	C	T	0.178	0.024	0.035	7.60E-14	-0.001	0.009	0.881	0.002	55.902	TRUE	1.17E-12
PEF	TSPO	rs12484721	A	T	-0.088	0.015	0.087	4.96E-09	0.000	0.004	0.977	0.001	34.204	TRUE	2.28E-08
PEF	TSPO	rs135010	A	G	-0.103	0.009	0.427	2.12E-32	0.004	0.003	0.140	0.004	140.443	TRUE	1.04E-27
PEF	TSPO	rs137137	G	A	-0.124	0.016	0.076	8.55E-15	-0.010	0.006	0.096	0.002	60.201	TRUE	3.97E-12
PEF	TSPO	rs138902	A	G	0.244	0.019	0.047	2.07E-36	-0.002	0.005	0.770	0.005	158.786	TRUE	5.46E-33
PEF	TSPO	rs138931	C	G	0.195	0.010	0.306	2.55E-84	-0.001	0.003	0.730	0.012	378.541	TRUE	2.64E-76
PEF	TSPO	rs146647114	A	G	0.139	0.020	0.073	3.06E-12	0.001	0.005	0.807	0.002	48.647	TRUE	3.97E-11
PEF	TSPO	rs148055154	T	C	-0.148	0.027	0.028	3.00E-08	0.010	0.007	0.164	0.001	30.707	TRUE	9.42E-07
PEF	TSPO	rs148619481	T	C	-0.198	0.016	0.071	8.43E-37	0.001	0.006	0.920	0.005	160.574	TRUE	1.22E-33
PEF	TSPO	rs186979483	T	C	-0.490	0.069	0.027	1.23E-12	-0.015	0.013	0.253	0.002	50.438	TRUE	1.02E-10
PEF	TSPO	rs2006040	C	T	-0.066	0.009	0.420	2.99E-14	0.002	0.003	0.420	0.002	57.735	TRUE	1.95E-12
PEF	TSPO	rs2071729	C	T	-0.151	0.017	0.069	2.60E-19	-0.004	0.007	0.565	0.003	80.714	TRUE	3.60E-17
PEF	TSPO	rs34945863	C	T	-0.067	0.008	0.478	6.04E-17	0.001	0.003	0.709	0.002	69.959	TRUE	2.85E-15
PEF	TSPO	rs4988392	A	G	0.158	0.015	0.084	1.25E-26	0.002	0.005	0.663	0.004	114.076	TRUE	6.32E-24
PEF	TSPO	rs62232064	A	G	-0.243	0.024	0.034	4.88E-24	0.000	0.006	0.959	0.003	102.250	TRUE	4.57E-22
PEF	TSPO	rs62238333	G	T	-0.076	0.009	0.303	5.51E-16	0.001	0.003	0.623	0.002	65.599	TRUE	2.76E-14
PEF	TSPO	rs6650882	T	C	-0.176	0.023	0.050	1.01E-14	-0.013	0.019	0.469	0.002	59.870	TRUE	6.44E-13
PEF	TSPO	rs73179053	C	T	-0.165	0.016	0.064	7.00E-24	0.012	0.005	0.017	0.003	101.536	TRUE	3.60E-19
PEF	TSPO	rs738276	A	G	-0.052	0.008	0.418	9.47E-11	0.003	0.003	0.195	0.001	41.926	TRUE	6.01E-09
PEF	TSPO	rs739092	T	C	-0.291	0.010	0.321	2.87E-200	0.006	0.003	0.030	0.028	911.598	TRUE	4.56E-174
PEF	TSPO	rs75676702	T	C	-0.446	0.064	0.013	2.23E-12	-0.016	0.019	0.394	0.002	49.266	TRUE	1.00E-10
PEF	TSPO	rs78822660	G	C	0.126	0.015	0.077	5.62E-17	-0.003	0.005	0.566	0.002	70.102	TRUE	4.38E-15
PEF	UBQLN4	rs10908473	T	A	0.284	0.026	0.124	1.39E-27	-0.011	0.004	0.008	0.004	118.433	TRUE	5.66E-22
PEF	UBQLN4	rs111293015	A	G	-0.181	0.028	0.124	5.99E-11	0.008	0.004	0.028	0.001	42.821	TRUE	1.84E-08
PEF	UBQLN4	rs111507092	G	T	0.200	0.034	0.073	3.83E-09	0.005	0.005	0.348	0.001	34.706	TRUE	8.13E-08
PEF	UBQLN4	rs116675930	G	T	-0.164	0.027	0.063	1.52E-09	0.006	0.005	0.201	0.001	36.506	TRUE	6.35E-08
PEF	UBQLN4	rs2175388	T	C	-0.149	0.024	0.150	9.10E-10	0.006	0.003	0.059	0.001	37.506	TRUE	1.06E-07
PEF	UBQLN4	rs35202981	G	A	-0.116	0.021	0.127	2.61E-08	0.008	0.004	0.023	0.001	30.974	TRUE	3.05E-06
PEF	UBQLN4	rs3738591	G	C	0.203	0.024	0.185	5.83E-18	0.008	0.006	0.191	0.002	74.572	TRUE	3.25E-15
PEF	UBQLN4	rs4661220	A	G	0.132	0.023	0.103	8.48E-09	-0.008	0.005	0.090	0.001	33.159	TRUE	5.36E-07
PEF	UBQLN4	rs7517202	T	C	0.401	0.017	0.355	3.68E-120	-0.008	0.003	0.003	0.017	543.231	TRUE	2.38E-101
PEF	ULK1	rs4964933	T	C	0.128	0.021	0.043	6.27E-10	0.014	0.007	0.040	0.001	38.232	TRUE	1.01E-07
PEF	ULK1	rs61395612	C	G	0.235	0.038	0.077	1.03E-09	0.016	0.017	0.331	0.001	37.271	TRUE	2.69E-08
PEF	ULK1	rs7487262	G	A	0.063	0.010	0.338	1.07E-10	0.003	0.003	0.287	0.001	41.688	TRUE	4.45E-09
PEF	ULK1	rs7973178	G	C	0.140	0.013	0.102	3.40E-26	0.013	0.004	0.004	0.004	112.089	TRUE	1.46E-20
PEF	UNC5B	rs117982032	G	T	0.319	0.032	0.024	5.64E-23	-0.002	0.008	0.775	0.003	97.403	TRUE	8.07E-21
PEF	UNC5B	rs1341614	A	G	-0.058	0.010	0.176	2.77E-08	-0.003	0.004	0.361	0.001	30.859	TRUE	4.41E-07

PEF	UNC5B	rs147819437	C	A	-0.132	0.016	0.086	1.10E-16	0.003	0.004	0.545	0.002	68.783	TRUE	8.65E-15
PEF	UNC5B	rs1538894	A	G	-0.084	0.014	0.113	6.39E-10	-0.002	0.004	0.606	0.001	38.198	TRUE	8.16E-09
PEF	UNC5B	rs16928560	A	G	-0.107	0.011	0.187	1.94E-22	0.001	0.003	0.707	0.003	94.960	TRUE	3.18E-20
PEF	UNC5B	rs61851261	A	G	0.186	0.020	0.043	7.29E-21	-0.011	0.006	0.089	0.003	87.780	TRUE	2.45E-17
PEF	UNC5B	rs61852795	G	A	0.153	0.013	0.147	3.70E-32	-0.002	0.004	0.671	0.004	139.340	TRUE	5.85E-29
PEF	UNC5B	rs68072991	G	T	0.156	0.023	0.033	2.88E-11	0.000	0.007	0.978	0.001	44.257	TRUE	2.07E-10
PEF	UNC5B	rs72810312	T	C	0.236	0.020	0.063	1.32E-32	-0.007	0.005	0.168	0.004	141.387	TRUE	5.25E-28
PEF	UNC5B	rs74144928	C	A	0.105	0.019	0.053	4.20E-08	-0.001	0.005	0.794	0.001	30.055	TRUE	2.35E-07
PEF	UNC5B	rs74892899	T	G	0.145	0.023	0.043	3.92E-10	0.006	0.006	0.275	0.001	39.147	TRUE	1.42E-08
PEF	UNC5B	rs79151165	T	C	-0.158	0.014	0.121	3.91E-29	0.006	0.004	0.097	0.004	125.517	TRUE	1.35E-24
PEF	UNC5B	rs79416409	T	G	0.262	0.023	0.036	1.87E-29	-0.010	0.007	0.148	0.004	126.978	TRUE	3.70E-25
PEF	UNC5B	rs80146101	A	G	0.271	0.037	0.020	1.17E-13	-0.006	0.008	0.437	0.002	55.047	TRUE	6.28E-12
PEF	UNC5B	rs9732438	G	T	0.378	0.009	0.333	0.00E+00	-0.005	0.003	0.043	0.054	1807.819	TRUE	0.00E+00
PEF	VDAC1	rs4958203	G	A	-0.161	0.014	0.306	1.61E-29	0.006	0.003	0.020	0.004	127.271	TRUE	5.39E-24
PEF	VDAC1	rs58681704	A	G	-0.098	0.016	0.206	2.15E-09	0.002	0.003	0.590	0.001	35.832	TRUE	2.49E-08
PEF	VDAC1	rs74988879	T	C	-0.199	0.036	0.035	3.32E-08	0.010	0.007	0.131	0.001	30.510	TRUE	1.24E-06
PEF	VPS4A	rs11075714	G	A	0.097	0.009	0.298	1.68E-28	-0.006	0.003	0.027	0.004	122.626	TRUE	2.34E-23
PEF	VPS4A	rs111625081	A	G	0.128	0.023	0.033	3.55E-08	0.016	0.007	0.023	0.001	30.380	TRUE	3.94E-06
PEF	WDR6	rs11130214	G	C	-0.320	0.008	0.302	0.00E+00	-0.010	0.003	2.23E-04	0.043	1426.470	TRUE	1.34E-265
PEF	WDR6	rs111796096	A	G	-0.267	0.032	0.022	1.55E-16	-0.006	0.008	0.420	0.002	68.104	TRUE	1.87E-14
PEF	WDR6	rs113465792	A	G	-0.310	0.031	0.021	1.01E-23	-0.004	0.010	0.724	0.003	100.811	TRUE	2.07E-21
PEF	WDR6	rs114508808	A	G	-0.290	0.040	0.016	4.57E-13	0.021	0.010	0.030	0.002	52.380	TRUE	3.02E-10
PEF	WDR6	rs114852929	A	G	-0.350	0.044	0.014	3.23E-15	0.014	0.011	0.204	0.002	62.116	TRUE	7.36E-13
PEF	WDR6	rs114976310	G	A	-0.191	0.034	0.020	1.44E-08	0.004	0.009	0.632	0.001	32.126	TRUE	1.24E-07
PEF	WDR6	rs115259458	A	G	-0.251	0.031	0.025	4.78E-16	-0.013	0.007	0.081	0.002	65.881	TRUE	3.84E-13
PEF	WDR6	rs115466756	T	C	-0.386	0.063	0.014	7.18E-10	-0.023	0.016	0.145	0.001	37.968	TRUE	4.40E-08
PEF	WDR6	rs116626829	C	T	-0.326	0.024	0.032	1.62E-40	-0.014	0.006	0.018	0.006	177.592	TRUE	1.77E-33
PEF	WDR6	rs116656374	T	G	-0.305	0.024	0.035	3.89E-38	-0.001	0.007	0.870	0.005	166.688	TRUE	9.40E-35
PEF	WDR6	rs11720680	G	A	0.176	0.017	0.061	7.21E-26	0.000	0.005	0.980	0.003	110.600	TRUE	8.87E-24
PEF	WDR6	rs11918669	C	A	-0.306	0.044	0.021	2.47E-12	0.000	0.013	0.997	0.002	49.064	TRUE	2.09E-11
PEF	WDR6	rs1264191	T	C	0.403	0.010	0.188	0.00E+00	0.004	0.003	0.269	0.047	1566.439	TRUE	8.14E-304
PEF	WDR6	rs13090990	T	C	-0.309	0.027	0.024	1.51E-30	0.000	0.007	0.956	0.004	131.970	TRUE	5.27E-28
PEF	WDR6	rs139755042	T	C	-0.332	0.053	0.019	3.41E-10	-0.014	0.012	0.260	0.001	39.423	TRUE	1.35E-08
PEF	WDR6	rs143643909	T	C	0.784	0.044	0.017	6.94E-70	0.030	0.019	0.116	0.010	312.265	TRUE	1.19E-60
PEF	WDR6	rs144851158	G	A	-0.260	0.034	0.017	3.11E-14	0.009	0.009	0.296	0.002	57.659	TRUE	3.37E-12
PEF	WDR6	rs145342511	T	G	0.353	0.043	0.015	3.85E-16	-0.006	0.011	0.598	0.002	66.307	TRUE	2.21E-14
PEF	WDR6	rs147052086	A	G	-0.249	0.045	0.015	2.96E-08	-0.021	0.011	0.047	0.001	30.734	TRUE	2.24E-06
PEF	WDR6	rs147707204	T	C	-0.271	0.033	0.022	2.25E-16	-0.010	0.011	0.338	0.002	67.367	TRUE	3.56E-14
PEF	WDR6	rs148834251	C	T	-0.281	0.030	0.022	3.55E-21	0.005	0.008	0.494	0.003	89.206	TRUE	9.87E-19
PEF	WDR6	rs149908616	T	G	-0.262	0.032	0.022	3.51E-16	-0.002	0.007	0.750	0.002	66.490	TRUE	1.26E-14
PEF	WDR6	rs149957351	T	C	0.429	0.040	0.017	4.47E-27	0.004	0.009	0.711	0.004	116.115	TRUE	2.01E-24
PEF	WDR6	rs150168772	T	G	-0.331	0.027	0.026	1.18E-33	0.011	0.008	0.158	0.005	146.183	TRUE	6.94E-29

PEF	WDR6	rs182679612	A	G	-0.218	0.040	0.016	4.43E-08	0.010	0.011	0.339	0.001	29.947	TRUE	7.14E-07
PEF	WDR6	rs184199456	A	G	0.401	0.035	0.020	1.26E-30	0.002	0.012	0.860	0.004	132.329	TRUE	6.67E-28
PEF	WDR6	rs1961527	G	A	-0.321	0.010	0.204	3.29E-217	-0.005	0.003	0.162	0.030	989.533	TRUE	9.37E-192
PEF	WDR6	rs62262671	G	A	0.318	0.011	0.136	1.40E-168	-0.009	0.004	0.017	0.024	765.851	TRUE	2.01E-145
PEF	WDR6	rs6442124	G	A	-0.059	0.008	0.460	1.33E-13	0.003	0.003	0.290	0.002	54.804	TRUE	1.29E-11
PEF	WDR6	rs6804828	G	A	-0.226	0.008	0.368	1.90E-168	-0.005	0.003	0.042	0.024	765.239	TRUE	1.17E-146
PEF	WDR6	rs73074869	A	G	0.686	0.042	0.015	3.33E-60	0.027	0.009	0.002	0.008	267.835	TRUE	2.74E-49
PEF	WDR6	rs73080339	G	A	-0.280	0.018	0.064	5.58E-55	-0.014	0.005	0.006	0.008	243.874	TRUE	2.51E-45
PEF	WDR6	rs7611164	G	T	-0.323	0.022	0.042	1.01E-50	-0.011	0.005	0.037	0.007	224.344	TRUE	9.63E-43
PEF	WDR6	rs7631574	T	C	0.470	0.012	0.112	0.00E+00	0.018	0.004	7.61E-06	0.044	1461.303	TRUE	1.32E-268
PEF	WDR6	rs77382486	A	G	-0.283	0.025	0.031	6.69E-30	0.002	0.007	0.816	0.004	129.019	TRUE	3.58E-27
PEF	WDR6	rs77860278	G	A	0.534	0.039	0.016	1.41E-43	0.033	0.011	0.002	0.006	191.612	TRUE	6.34E-35
PEF	WDR6	rs9875911	T	C	0.305	0.028	0.022	6.02E-28	0.014	0.009	0.145	0.004	120.092	TRUE	8.41E-24
PEF	WDR6	rs9917656	C	T	-0.295	0.009	0.271	5.85E-241	-0.005	0.003	0.086	0.034	1098.787	TRUE	1.28E-211
PEF	YWHAE	rs62089574	C	T	-0.098	0.016	0.065	1.53E-09	0.016	0.005	0.002	0.001	36.496	TRUE	1.15E-06
PEF	YWHAE	rs74776107	G	T	0.080	0.014	0.085	1.78E-08	0.008	0.005	0.100	0.001	31.724	TRUE	8.79E-07

PCD, programmed cell death; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; SNP, single nucleotide polymorphsim

Table S36. SMR analysis of associations between proteins encoded by PCD-related genes and lung function parameters*

Outcome	Gene	topSNP	Beta	SE	Beta (95%CI)	P_SMR	FDR	P_HEIDI	nSNP_HEIDI
FVC	MCL1	rs41272019	-0.065	0.011	-0.065 (-0.087, -0.043)	5.16E-09	8.98E-07	0.032	19
FVC	CD14	rs5744454	0.062	0.015	0.062 (0.033, 0.092)	3.52E-05	8.74E-04	0.011	20
FVC	CD14	rs5744454	0.062	0.015	0.062 (0.033, 0.092)	3.52E-05	8.74E-04	0.011	20
FVC	MAP1LC3A	rs6120675	-0.264	0.064	-0.264 (-0.389, -0.140)	3.24E-05	8.74E-04	0.670	20
FVC	HINT1	rs112241559	0.116	0.031	0.116 (0.055, 0.178)	1.84E-04	0.004	0.050	20
FVC	GUSB	rs34356500	-0.061	0.018	-0.061 (-0.096, -0.027)	5.26E-04	0.009	0.029	20
FVC	YWHAB	rs6031847	0.048	0.015	0.048 (0.020, 0.077)	9.69E-04	0.012	0.201	20
FVC	SFRP1	rs72643819	-0.051	0.015	-0.051 (-0.081, -0.020)	0.001	0.012	0.386	20
FVC	RIPK2	rs160438	-0.143	0.046	-0.143 (-0.234, -0.053)	0.002	0.019	0.704	20
FVC	SMPD1	rs1050239	-0.023	0.007	-0.023 (-0.038, -0.008)	0.002	0.021	0.895	20
FVC	WWOX	rs11545029	0.106	0.037	0.106 (0.035, 0.178)	0.004	0.034	0.146	20
FVC	FER	rs13178668	0.096	0.033	0.096 (0.031, 0.161)	0.004	0.034	0.104	20
FVC	BDNF	rs10501089	-0.108	0.038	-0.108 (-0.184, -0.033)	0.005	0.040	0.259	9
FVC	BDNF	rs10501089	-0.108	0.038	-0.108 (-0.184, -0.033)	0.005	0.040	0.259	9
FVC	BDNF	rs10501089	-0.136	0.049	-0.136 (-0.233, -0.039)	0.006	0.044	0.194	7
FVC	BDNF	rs10501089	-0.136	0.049	-0.136 (-0.233, -0.039)	0.006	0.044	0.194	7
FVC	FGG	rs4220	0.048	0.018	0.048 (0.013, 0.083)	0.007	0.050	0.954	20
FVC	PARK7	rs226251	-0.055	0.022	-0.055 (-0.097, -0.013)	0.011	0.069	0.028	20
FVC	LGALS9	rs4794986	0.044	0.020	0.044 (0.005, 0.084)	0.028	0.134	0.162	20
FVC	IFI16	rs2518563	0.071	0.033	0.071 (0.007, 0.136)	0.030	0.134	0.155	20
FVC	TF	rs8177245	-0.035	0.017	-0.035 (-0.069, -0.001)	0.043	0.185	0.423	20
FVC	EPHA2	rs36086195	-0.035	0.018	-0.035 (-0.070, -0.000)	0.047	0.185	0.154	20
FVC	LGALS3	rs76424323	0.015	0.008	0.015 (0.000, 0.030)	0.048	0.185	0.807	20
FEV1	CD14	rs5744454	0.071	0.015	0.071 (0.042, 0.099)	1.31E-06	5.69E-05	0.025	20
FEV1	CD14	rs5744454	0.071	0.015	0.071 (0.042, 0.099)	1.31E-06	5.69E-05	0.025	20
FEV1	SFRP1	rs72643819	-0.074	0.016	-0.074 (-0.104, -0.043)	2.90E-06	1.01E-04	0.480	20
FEV1	SMPD1	rs1050239	-0.029	0.008	-0.029 (-0.044, -0.014)	1.22E-04	0.002	0.796	20
FEV1	MCL1	rs41272019	-0.042	0.011	-0.042 (-0.063, -0.020)	1.19E-04	0.002	0.049	19
FEV1	WWOX	rs11545029	0.140	0.038	0.140 (0.065, 0.214)	2.52E-04	0.004	0.167	20
FEV1	ARSB	rs11743362	-0.067	0.019	-0.067 (-0.104, -0.029)	4.60E-04	0.007	0.016	20
FEV1	MAPK3	rs6565175	0.029	0.010	0.029 (0.009, 0.049)	0.004	0.050	0.358	20
FEV1	ICAM1	rs5498	0.006	0.002	0.006 (0.002, 0.009)	0.006	0.051	0.038	20
FEV1	IFI16	rs2518563	0.092	0.033	0.092 (0.027, 0.158)	0.006	0.051	0.305	20
FEV1	GUSB	rs34356500	-0.045	0.017	-0.045 (-0.078, -0.012)	0.007	0.052	0.500	20
FEV1	HINT1	rs112241559	0.073	0.030	0.073 (0.015, 0.132)	0.014	0.087	0.090	20
FEV1	RIPK2	rs160438	-0.098	0.044	-0.098 (-0.184, -0.013)	0.024	0.133	0.492	20
FEV1	BDNF	rs10501089	-0.081	0.038	-0.081 (-0.155, -0.007)	0.032	0.157	0.349	9
FEV1	BDNF	rs10501089	-0.081	0.038	-0.081 (-0.155, -0.007)	0.032	0.157	0.349	9
FEV1	BDNF	rs10501089	-0.102	0.048	-0.102 (-0.196, -0.008)	0.034	0.158	0.286	7
FEV1	BDNF	rs10501089	-0.102	0.048	-0.102 (-0.196, -0.008)	0.034	0.158	0.286	7

FEV1	FER	rs13178668	0.066	0.032	0.066 (0.002, 0.129)	0.042	0.184	0.521	20
FEV1	IFI16	rs856053	0.095	0.048	0.095 (0.002, 0.188)	0.046	0.191	0.339	20
FEV1/FVC	MAPK3	rs6565175	0.052	0.010	0.052 (0.032, 0.072)	3.62E-07	1.58E-05	0.083	20
FEV1/FVC	FGFR1	rs62505473	0.127	0.028	0.127 (0.072, 0.182)	5.72E-06	1.66E-04	0.111	20
FEV1/FVC	MAP1LC3A	rs6120675	0.323	0.072	0.323 (0.182, 0.463)	7.09E-06	1.76E-04	0.050	20
FEV1/FVC	LGALS3	rs76424323	-0.031	0.008	-0.031 (-0.046, -0.016)	4.10E-05	7.92E-04	0.289	20
FEV1/FVC	PPT1	rs4660389	-0.052	0.017	-0.052 (-0.085, -0.019)	0.002	0.024	0.963	20
FEV1/FVC	TLR3	rs35103715	-0.012	0.004	-0.012 (-0.020, -0.004)	0.003	0.031	0.306	20
FEV1/FVC	TIMP3	rs2899194	-0.010	0.003	-0.010 (-0.017, -0.003)	0.003	0.031	0.016	20
FEV1/FVC	MCL1	rs41272019	0.032	0.011	0.032 (0.011, 0.054)	0.003	0.031	0.433	19
FEV1/FVC	CTSZ	rs148370779	-0.020	0.008	-0.020 (-0.035, -0.005)	0.007	0.056	0.752	20
FEV1/FVC	NMT1	rs1053733	-0.161	0.059	-0.161 (-0.277, -0.044)	0.007	0.056	0.347	18
FEV1/FVC	IRF2	rs3775576	0.154	0.058	0.154 (0.040, 0.268)	0.008	0.058	0.093	10
FEV1/FVC	SAT2	rs858523	-0.030	0.012	-0.030 (-0.054, -0.007)	0.011	0.074	0.403	20
FEV1/FVC	CBL	rs73564493	-0.047	0.018	-0.047 (-0.083, -0.011)	0.011	0.074	0.107	20
FEV1/FVC	NFKB1	rs230539	-0.097	0.040	-0.097 (-0.176, -0.019)	0.015	0.090	0.847	20
FEV1/FVC	PIP4K2A	rs11013176	-0.050	0.021	-0.050 (-0.091, -0.008)	0.019	0.109	0.463	20
FEV1/FVC	FTL	rs45520632	-0.119	0.051	-0.119 (-0.219, -0.018)	0.020	0.110	0.671	14
FEV1/FVC	WWOX	rs11545029	0.081	0.036	0.081 (0.010, 0.151)	0.024	0.128	0.555	20
FEV1/FVC	MMP9	rs2250889	0.076	0.036	0.076 (0.006, 0.146)	0.033	0.164	0.992	19
FEV1/FVC	INHBA	rs73100943	-0.060	0.029	-0.060 (-0.117, -0.002)	0.042	0.198	0.455	20
PEF	GSS	rs734111	0.099	0.016	0.099 (0.067, 0.131)	8.73E-10	1.52E-07	0.051	20
PEF	GM2A	rs72794132	-0.061	0.010	-0.061 (-0.081, -0.040)	7.05E-09	6.14E-07	0.086	20
PEF	MAPK3	rs6565175	0.042	0.011	0.042 (0.020, 0.063)	1.37E-04	0.003	0.789	20
PEF	MCL1	rs41272019	-0.041	0.012	-0.041 (-0.064, -0.019)	3.44E-04	0.007	0.084	19
PEF	SFRP1	rs72643819	-0.060	0.017	-0.060 (-0.093, -0.027)	3.87E-04	0.007	0.601	20
PEF	CTSV	rs10981890	-0.054	0.016	-0.054 (-0.085, -0.024)	4.55E-04	0.007	0.391	20
PEF	IL6R	rs12126142	-0.009	0.003	-0.009 (-0.014, -0.004)	6.20E-04	0.009	0.196	20
PEF	IL6R	rs12126142	-0.009	0.003	-0.009 (-0.014, -0.004)	6.20E-04	0.009	0.196	20
PEF	WWOX	rs11545029	0.122	0.040	0.122 (0.044, 0.201)	0.002	0.026	0.314	20
PEF	IRF2	rs3775576	0.181	0.062	0.181 (0.061, 0.302)	0.003	0.033	0.241	10
PEF	GUSB	rs34356500	-0.047	0.018	-0.047 (-0.083, -0.012)	0.009	0.079	0.824	20
PEF	RET	rs2435359	-0.020	0.009	-0.020 (-0.037, -0.004)	0.018	0.118	0.127	20
PEF	CX3CL1	rs62037115	0.043	0.019	0.043 (0.005, 0.081)	0.027	0.163	0.477	19
PEF	LGALS3	rs76424323	-0.017	0.008	-0.017 (-0.033, -0.002)	0.032	0.183	0.632	20
PEF	MET	rs10435378	0.038	0.019	0.038 (0.000, 0.076)	0.047	0.257	0.057	20

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

SMR, Summary data-level Mendelian randomization; PCD, programmed cell death; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim

Table S37. Sensitivity analysis of associations between proteins encoded by PCD-related genes and lung function parameters*

Outcome	Gene	nSNP	Method	Beta	SE	Beta (95%CI)	P	Egger_intercept	P_Egger_intercept
FVC	MCL1	2	Inverse variance weighted	-0.070	0.021	-0.070 (-0.110, -0.030)	6.20E-04	NA	NA
FVC	CD14	20	Inverse variance weighted	0.045	0.011	0.045 (0.024, 0.067)	3.00E-05	0.001	0.712
FVC	CD14	20	Inverse variance weighted	0.045	0.011	0.045 (0.024, 0.067)	3.00E-05	0.001	0.712
FVC	MAP1LC3A	1	Wald ratio	-0.264	0.046	-0.264 (-0.355, -0.173)	1.23E-08	NA	NA
FVC	HINT1	1	Wald ratio	0.116	0.029	0.116 (0.060, 0.173)	5.44E-05	NA	NA
FVC	GUSB	5	Inverse variance weighted	-0.053	0.013	-0.053 (-0.078, -0.027)	4.42E-05	-0.008	0.263
FVC	YWHAB	7	Inverse variance weighted	0.044	0.013	0.044 (0.018, 0.070)	0.001	-0.004	0.212
FVC	SFRP1	28	Inverse variance weighted	-0.018	0.009	-0.018 (-0.036, -0.001)	0.039	0.003	0.306
FVC	RIPK2	1	Wald ratio	-0.143	0.041	-0.143 (-0.225, -0.062)	5.46E-04	NA	NA
FVC	SMPD1	45	Inverse variance weighted	-0.013	0.005	-0.013 (-0.022, -0.003)	0.008	0.000	0.910
FVC	WWOX	3	Inverse variance weighted	0.092	0.025	0.092 (0.044, 0.141)	2.01E-04	-0.003	0.782
FVC	FER	2	Inverse variance weighted	0.104	0.027	0.104 (0.051, 0.156)	1.14E-04	NA	NA
FVC	BDNF	2	Inverse variance weighted	-0.095	0.032	-0.095 (-0.158, -0.032)	0.003	NA	NA
FVC	BDNF	2	Inverse variance weighted	-0.095	0.032	-0.095 (-0.158, -0.032)	0.003	NA	NA
FVC	BDNF	2	Inverse variance weighted	-0.118	0.040	-0.118 (-0.196, -0.040)	0.003	NA	NA
FVC	BDNF	2	Inverse variance weighted	-0.118	0.040	-0.118 (-0.196, -0.040)	0.003	NA	NA
FVC	FGG	5	Inverse variance weighted	0.048	0.014	0.048 (0.020, 0.075)	6.35E-04	0.002	0.547
FVC	PARK7	5	Inverse variance weighted	-0.085	0.015	-0.085 (-0.115, -0.056)	2.04E-08	0.001	0.898
FVC	LGALS9	5	Inverse variance weighted	0.066	0.022	0.066 (0.023, 0.108)	0.003	-0.001	0.848
FVC	IFI16	2	Inverse variance weighted	0.060	0.027	0.060 (0.007, 0.113)	0.027	NA	NA
FVC	TF	8	Inverse variance weighted	-0.034	0.012	-0.034 (-0.058, -0.011)	0.004	-0.003	0.220
FVC	EPHA2	26	Inverse variance weighted	-0.022	0.009	-0.022 (-0.041, -0.004)	0.019	-0.001	0.594
FVC	LGALS3	26	Inverse variance weighted	0.012	0.004	0.012 (0.005, 0.020)	0.002	0.000	0.874
FEV1	CD14	20	Inverse variance weighted	0.061	0.011	0.061 (0.039, 0.083)	6.84E-08	0.003	0.364
FEV1	CD14	20	Inverse variance weighted	0.061	0.011	0.061 (0.039, 0.083)	6.84E-08	0.003	0.364
FEV1	SFRP1	28	Inverse variance weighted	-0.031	0.009	-0.031 (-0.049, -0.013)	7.37E-04	0.001	0.672
FEV1	SMPD1	45	Inverse variance weighted	-0.019	0.005	-0.019 (-0.029, -0.010)	6.13E-05	0.000	0.925
FEV1	MCL1	2	Inverse variance weighted	-0.044	0.010	-0.044 (-0.064, -0.023)	2.64E-05	NA	NA
FEV1	WWOX	3	Inverse variance weighted	0.133	0.025	0.133 (0.085, 0.182)	8.17E-08	0.000	0.979
FEV1	ARSB	7	Inverse variance weighted	-0.059	0.014	-0.059 (-0.086, -0.032)	2.03E-05	-0.004	0.146
FEV1	MAPK3	19	Inverse variance weighted	0.036	0.009	0.036 (0.019, 0.053)	3.48E-05	0.005	0.090
FEV1	ICAM1	152	Inverse variance weighted	0.005	0.002	0.005 (0.002, 0.008)	0.002	0.000	0.769
FEV1	IFI16	2	Inverse variance weighted	0.086	0.027	0.086 (0.033, 0.139)	0.001	NA	NA
FEV1	GUSB	5	Inverse variance weighted	-0.042	0.013	-0.042 (-0.067, -0.018)	7.73E-04	-0.002	0.769
FEV1	HINT1	1	Wald ratio	0.073	0.029	0.073 (0.017, 0.130)	0.011	NA	NA
FEV1	RIPK2	1	Wald ratio	-0.098	0.041	-0.098 (-0.180, -0.017)	0.018	NA	NA
FEV1	BDNF	2	Inverse variance weighted	-0.081	0.032	-0.081 (-0.144, -0.018)	0.012	NA	NA
FEV1	BDNF	2	Inverse variance weighted	-0.081	0.032	-0.081 (-0.144, -0.018)	0.012	NA	NA
FEV1	BDNF	2	Inverse variance weighted	-0.100	0.040	-0.100 (-0.178, -0.022)	0.012	NA	NA
FEV1	BDNF	2	Inverse variance weighted	-0.100	0.040	-0.100 (-0.178, -0.022)	0.012	NA	NA

FEV1	FER	2	Inverse variance weighted	0.069	0.027	0.069 (0.016, 0.122)	0.010	NA	NA
FEV1	IFI16	1	Wald ratio	0.096	0.045	0.096 (0.008, 0.185)	0.033	NA	NA
FEV1/FVC	MAPK3	19	Inverse variance weighted	0.055	0.007	0.055 (0.041, 0.068)	1.92E-15	0.001	0.809
FEV1/FVC	FGFR1	5	Inverse variance weighted	0.087	0.021	0.087 (0.046, 0.129)	3.55E-05	-0.010	0.185
FEV1/FVC	MAP1LC3A	1	Wald ratio	0.323	0.048	0.323 (0.228, 0.417)	2.62E-11	NA	NA
FEV1/FVC	LGALS3	26	Inverse variance weighted	-0.027	0.005	-0.027 (-0.037, -0.016)	7.79E-07	-0.002	0.166
FEV1/FVC	PPT1	12	Inverse variance weighted	-0.048	0.009	-0.048 (-0.066, -0.030)	1.22E-07	0.000	0.907
FEV1/FVC	TLR3	173	Inverse variance weighted	-0.007	0.002	-0.007 (-0.011, -0.003)	4.06E-04	0.000	0.586
FEV1/FVC	TIMP3	126	Inverse variance weighted	-0.011	0.003	-0.011 (-0.016, -0.006)	4.37E-05	0.000	0.737
FEV1/FVC	MCL1	2	Inverse variance weighted	0.036	0.016	0.036 (0.004, 0.068)	0.025	NA	NA
FEV1/FVC	CTSZ	32	Inverse variance weighted	-0.012	0.004	-0.012 (-0.021, -0.004)	0.005	0.001	0.152
FEV1/FVC	NMT1	1	Wald ratio	-0.161	0.052	-0.161 (-0.263, -0.058)	0.002	NA	NA
FEV1/FVC	IRF2	1	Wald ratio	0.154	0.052	0.154 (0.052, 0.256)	0.003	NA	NA
FEV1/FVC	SAT2	31	Inverse variance weighted	-0.046	0.006	-0.046 (-0.056, -0.035)	1.08E-16	-0.002	0.079
FEV1/FVC	CBL	8	Inverse variance weighted	-0.046	0.018	-0.046 (-0.081, -0.011)	0.009	0.001	0.789
FEV1/FVC	NFKB1	1	Wald ratio	-0.097	0.038	-0.097 (-0.172, -0.023)	0.010	NA	NA
FEV1/FVC	PIP4K2A	1	Wald ratio	-0.050	0.021	-0.050 (-0.091, -0.009)	0.017	NA	NA
FEV1/FVC	FTL	1	Wald ratio	-0.119	0.047	-0.119 (-0.211, -0.027)	0.011	NA	NA
FEV1/FVC	WWOX	3	Inverse variance weighted	0.096	0.025	0.096 (0.047, 0.145)	1.13E-04	0.006	0.591
FEV1/FVC	MMP9	1	Wald ratio	0.076	0.034	0.076 (0.008, 0.143)	0.027	NA	NA
FEV1/FVC	INHBA	1	Wald ratio	-0.060	0.029	-0.060 (-0.116, -0.003)	0.038	NA	NA
PEF	GSS	11	Inverse variance weighted	0.068	0.022	0.068 (0.025, 0.111)	0.002	0.009	0.138
PEF	GM2A	31	Inverse variance weighted	-0.042	0.009	-0.042 (-0.059, -0.025)	1.40E-06	0.003	0.132
PEF	MAPK3	19	Inverse variance weighted	0.047	0.008	0.047 (0.031, 0.063)	5.22E-09	0.001	0.782
PEF	MCL1	2	Inverse variance weighted	-0.043	0.011	-0.043 (-0.064, -0.021)	1.18E-04	NA	NA
PEF	SFRP1	28	Inverse variance weighted	-0.022	0.009	-0.022 (-0.039, -0.006)	0.009	0.001	0.641
PEF	CTSV	24	Inverse variance weighted	-0.030	0.008	-0.030 (-0.045, -0.014)	1.44E-04	-0.001	0.482
PEF	IL6R	128	Inverse variance weighted	-0.011	0.002	-0.011 (-0.015, -0.006)	4.59E-07	-0.001	0.150
PEF	IL6R	128	Inverse variance weighted	-0.011	0.002	-0.011 (-0.015, -0.006)	4.59E-07	-0.001	0.150
PEF	WWOX	3	Inverse variance weighted	0.101	0.028	0.101 (0.046, 0.157)	3.64E-04	-0.005	0.761
PEF	IRF2	1	Wald ratio	0.181	0.053	0.181 (0.077, 0.286)	6.74E-04	NA	NA
PEF	GUSB	5	Inverse variance weighted	-0.044	0.013	-0.044 (-0.071, -0.018)	0.001	-0.007	0.312
PEF	RET	48	Inverse variance weighted	-0.010	0.004	-0.010 (-0.017, -0.002)	0.009	0.000	0.738
PEF	CX3CL1	2	Inverse variance weighted	0.059	0.024	0.059 (0.012, 0.107)	0.015	NA	NA
PEF	LGALS3	26	Inverse variance weighted	-0.011	0.004	-0.011 (-0.019, -0.002)	0.011	0.000	0.645
PEF	MET	16	Inverse variance weighted	0.033	0.014	0.033 (0.006, 0.060)	0.018	0.005	0.320

* Only associations meeting the criteria of P < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; SNP, single nucleotide polymorphsim; CI, confidence interval;

Table S38. Genetic instruments for sensitivity analysis of PCD-related gene-encoded proteins in relation to lung function parameters

Outcome	Gene	SNP	Effect_allele	Other_allele	Beta.exposure	Se.exposure	Eaf.exposure	Pval.exposure	Beta.outcome	Se.outcome	Pval.outcome	R^2	F	Steiger_dir	Steiger_pval
FVC	BDNF	rs10501089	T	C	0.163	0.016	0.071	6.10E-24	-0.018	0.006	0.003	0.003	101.807	TRUE	1.08E-18
FVC	BDNF	rs28383487	T	G	-0.159	0.023	0.036	1.65E-12	0.009	0.010	0.394	0.001	49.854	TRUE	7.00E-11
FVC	BDNF	rs10501089	T	C	0.129	0.016	0.071	3.45E-16	-0.018	0.006	0.003	0.002	66.523	TRUE	3.04E-12
FVC	BDNF	rs28383487	T	G	-0.132	0.022	0.036	2.76E-09	0.009	0.010	0.394	0.001	35.343	TRUE	4.98E-08
FVC	CD14	rs10515510	C	G	-0.176	0.016	0.071	2.10E-28	-0.006	0.006	0.271	0.003	122.182	TRUE	9.58E-25
FVC	CD14	rs1089304	G	T	0.133	0.010	0.199	3.15E-38	-0.004	0.003	0.160	0.005	167.107	TRUE	4.29E-33
FVC	CD14	rs114433024	A	G	-0.149	0.024	0.030	7.63E-10	0.004	0.009	0.668	0.001	37.850	TRUE	7.86E-09
FVC	CD14	rs116466727	C	G	0.127	0.021	0.039	1.34E-09	0.005	0.007	0.478	0.001	36.751	TRUE	2.07E-08
FVC	CD14	rs116728346	C	T	-0.096	0.016	0.069	3.41E-09	0.012	0.006	0.038	0.001	34.934	TRUE	4.04E-07
FVC	CD14	rs11746363	A	G	0.089	0.011	0.155	6.29E-15	0.006	0.003	0.064	0.002	60.804	TRUE	3.78E-12
FVC	CD14	rs12163954	G	A	0.076	0.014	0.102	4.40E-08	-0.001	0.004	0.812	0.001	29.961	TRUE	2.22E-07
FVC	CD14	rs139907207	G	A	-0.162	0.023	0.032	5.14E-12	0.006	0.009	0.553	0.001	47.631	TRUE	1.18E-10
FVC	CD14	rs148099171	A	G	0.263	0.021	0.039	1.03E-35	-0.003	0.008	0.733	0.004	155.596	TRUE	2.25E-32
FVC	CD14	rs151194218	T	C	-0.174	0.026	0.025	2.32E-11	-0.011	0.011	0.320	0.001	44.681	TRUE	9.43E-10
FVC	CD14	rs155806	G	A	0.080	0.012	0.132	5.76E-11	0.000	0.004	0.920	0.001	42.896	TRUE	4.28E-10
FVC	CD14	rs17119351	G	A	0.122	0.015	0.075	2.91E-15	0.001	0.005	0.782	0.002	62.320	TRUE	7.12E-14
FVC	CD14	rs17648271	C	T	0.089	0.014	0.096	2.05E-10	-0.006	0.005	0.219	0.001	40.416	TRUE	9.63E-09
FVC	CD14	rs183869	T	C	-0.073	0.011	0.180	9.90E-12	-0.009	0.003	0.005	0.001	46.347	TRUE	1.06E-08
FVC	CD14	rs192900523	A	G	0.127	0.018	0.053	4.15E-12	-0.013	0.008	0.112	0.001	48.050	TRUE	6.16E-10
FVC	CD14	rs2060296	A	G	-0.061	0.008	0.499	1.60E-13	0.000	0.002	0.858	0.002	54.445	TRUE	2.19E-12
FVC	CD14	rs2336977	G	A	-0.069	0.010	0.793	1.81E-11	-0.003	0.003	0.356	0.001	45.168	TRUE	6.63E-10
FVC	CD14	rs2907302	A	G	0.075	0.009	0.308	2.85E-17	-0.006	0.003	0.023	0.002	71.444	TRUE	8.82E-14
FVC	CD14	rs31872	A	G	0.104	0.008	0.581	3.92E-36	0.009	0.002	3.84E-04	0.004	157.524	TRUE	3.54E-28
FVC	CD14	rs3777106	C	T	0.088	0.012	0.137	4.45E-13	-0.007	0.003	0.048	0.001	52.431	TRUE	1.94E-10
FVC	CD14	rs4912936	A	G	-0.062	0.009	0.258	3.56E-11	0.001	0.003	0.709	0.001	43.842	TRUE	4.50E-10
FVC	CD14	rs56958517	A	G	-0.070	0.011	0.186	3.20E-11	-0.003	0.003	0.408	0.001	44.049	TRUE	9.40E-10
FVC	CD14	rs5744454	G	T	-0.239	0.009	0.307	3.69E-161	-0.012	0.003	1.93E-05	0.020	731.728	TRUE	5.92E-134
FVC	CD14	rs702401	T	C	-0.184	0.019	0.054	6.72E-23	-0.012	0.007	0.080	0.003	97.057	TRUE	4.12E-19
FVC	CD14	rs72798864	A	T	-0.178	0.024	0.030	3.29E-13	-0.017	0.009	0.050	0.001	53.025	TRUE	1.35E-10
FVC	CD14	rs75147433	A	T	-0.314	0.044	0.009	7.56E-13	-0.007	0.010	0.452	0.001	51.390	TRUE	2.90E-11
FVC	CD14	rs75882576	C	T	-0.234	0.030	0.019	6.61E-15	-0.011	0.010	0.270	0.002	60.708	TRUE	8.62E-13
FVC	CD14	rs76054533	G	C	-0.144	0.017	0.063	3.57E-18	-0.007	0.007	0.292	0.002	75.542	TRUE	9.90E-16
FVC	CD14	rs76148587	T	C	0.246	0.013	0.116	5.40E-82	0.002	0.004	0.546	0.010	367.865	TRUE	8.03E-74
FVC	CD14	rs7723119	A	G	-0.079	0.009	0.686	3.22E-19	-0.007	0.003	0.007	0.002	80.292	TRUE	5.87E-15
FVC	CD14	rs77819967	G	A	-0.185	0.034	0.016	3.65E-08	0.001	0.010	0.895	0.001	30.326	TRUE	1.61E-07
FVC	CD14	rs78656209	A	G	0.115	0.019	0.049	1.88E-09	0.012	0.006	0.037	0.001	36.095	TRUE	2.40E-07
FVC	CD14	rs79253359	G	C	-0.108	0.016	0.074	7.59E-12	-0.008	0.006	0.138	0.001	46.866	TRUE	8.76E-10
FVC	CD14	rs80005413	A	G	0.185	0.022	0.037	1.03E-17	-0.007	0.007	0.328	0.002	73.458	TRUE	2.21E-15
FVC	CD14	rs1089304	G	T	0.100	0.010	0.199	7.73E-23	-0.004	0.003	0.160	0.003	96.780	TRUE	1.73E-19
FVC	CD14	rs11746363	A	G	0.067	0.011	0.155	2.89E-09	0.006	0.003	0.064	0.001	35.255	TRUE	2.42E-07

FVC	CD14	rs13166235	A	G	-0.118	0.013	0.107	4.53E-19	-0.002	0.005	0.642	0.002	79.617	TRUE	4.06E-17
FVC	CD14	rs141074724	G	A	-0.103	0.012	0.124	4.15E-17	-0.011	0.004	0.010	0.002	70.699	TRUE	2.35E-13
FVC	CD14	rs148099171	A	G	0.195	0.021	0.039	5.61E-21	-0.003	0.008	0.733	0.002	88.301	TRUE	5.46E-19
FVC	CD14	rs155806	G	A	0.075	0.012	0.132	4.50E-10	0.000	0.004	0.920	0.001	38.883	TRUE	2.80E-09
FVC	CD14	rs17119351	G	A	0.085	0.015	0.075	3.05E-08	0.001	0.005	0.782	0.001	30.677	TRUE	1.70E-07
FVC	CD14	rs2060296	A	G	-0.050	0.008	0.499	9.81E-10	0.000	0.002	0.858	0.001	37.360	TRUE	6.29E-09
FVC	CD14	rs2336977	G	A	-0.059	0.010	0.793	5.06E-09	-0.003	0.003	0.356	0.001	34.165	TRUE	9.50E-08
FVC	CD14	rs31872	A	G	0.089	0.008	0.581	2.57E-27	0.009	0.002	3.84E-04	0.003	117.216	TRUE	8.14E-21
FVC	CD14	rs5744454	G	T	-0.190	0.009	0.307	1.07E-104	-0.012	0.003	1.93E-05	0.013	472.161	TRUE	2.59E-85
FVC	CD14	rs702401	T	C	-0.121	0.018	0.054	4.51E-11	-0.012	0.007	0.080	0.001	43.376	TRUE	6.36E-09
FVC	CD14	rs72798864	A	T	-0.133	0.024	0.030	3.99E-08	-0.017	0.009	0.050	0.001	30.151	TRUE	2.52E-06
FVC	CD14	rs76054533	G	C	-0.109	0.016	0.063	3.06E-11	-0.007	0.007	0.292	0.001	44.134	TRUE	1.30E-09
FVC	CD14	rs76148587	T	C	0.179	0.013	0.116	1.79E-45	0.002	0.004	0.546	0.006	200.290	TRUE	8.27E-41
FVC	CD14	rs7723119	A	G	-0.054	0.009	0.686	7.99E-10	-0.007	0.003	0.007	0.001	37.761	TRUE	3.21E-07
FVC	CD14	rs78582690	A	G	-0.206	0.030	0.019	3.68E-12	-0.008	0.010	0.411	0.001	48.284	TRUE	1.34E-10
FVC	CD14	rs78668600	G	A	-0.137	0.021	0.039	6.01E-11	-0.017	0.009	0.055	0.001	42.817	TRUE	1.06E-08
FVC	CD14	rs78792314	A	G	-0.136	0.020	0.041	3.43E-11	-0.016	0.008	0.037	0.001	43.913	TRUE	9.07E-09
FVC	CD14	rs80005413	A	G	0.142	0.021	0.037	2.44E-11	-0.007	0.007	0.328	0.001	44.579	TRUE	9.62E-10
FVC	CHGA	rs111636355	A	G	-0.231	0.021	0.039	1.76E-27	-0.007	0.006	0.298	0.003	117.970	TRUE	5.32E-24
FVC	CHGA	rs11625691	G	A	0.054	0.009	0.743	1.01E-08	-0.008	0.003	0.002	0.001	32.822	TRUE	3.81E-06
FVC	CHGA	rs12147304	A	C	0.105	0.018	0.058	4.23E-09	-0.004	0.006	0.525	0.001	34.512	TRUE	5.08E-08
FVC	CHGA	rs1242102	T	C	-0.045	0.008	0.483	4.61E-08	0.005	0.002	0.037	0.001	29.874	TRUE	3.45E-06
FVC	CHGA	rs1316506	A	G	0.138	0.015	0.083	2.11E-20	0.007	0.005	0.153	0.002	85.679	TRUE	2.70E-17
FVC	CHGA	rs137906439	A	G	-0.155	0.022	0.035	4.46E-12	0.002	0.008	0.765	0.001	47.908	TRUE	5.88E-11
FVC	CHGA	rs140066340	G	A	-0.256	0.028	0.022	1.51E-19	-0.002	0.011	0.833	0.002	81.792	TRUE	7.72E-18
FVC	CHGA	rs149165429	T	C	-0.184	0.029	0.021	1.43E-10	-0.008	0.011	0.468	0.001	41.125	TRUE	2.90E-09
FVC	CHGA	rs150344128	G	C	-0.217	0.038	0.012	8.51E-09	0.013	0.011	0.221	0.001	33.152	TRUE	2.37E-07
FVC	CHGA	rs2402212	A	G	-0.053	0.008	0.367	4.19E-10	0.003	0.002	0.288	0.001	39.019	TRUE	1.38E-08
FVC	CHGA	rs2402224	T	C	-0.101	0.008	0.443	1.53E-34	-0.004	0.002	0.098	0.004	150.239	TRUE	1.77E-29
FVC	CHGA	rs3783892	G	A	-0.079	0.014	0.102	4.51E-09	0.004	0.004	0.279	0.001	34.390	TRUE	1.09E-07
FVC	CHGA	rs61980303	T	C	-0.117	0.017	0.064	4.68E-12	0.008	0.006	0.158	0.001	47.816	TRUE	4.93E-10
FVC	CHGA	rs7156367	G	A	-0.239	0.038	0.012	3.62E-10	-0.016	0.011	0.148	0.001	39.307	TRUE	2.19E-08
FVC	CHGA	rs729940	T	C	-0.338	0.012	0.142	1.66E-184	-0.007	0.003	0.029	0.023	839.105	TRUE	6.87E-161
FVC	CHGA	rs74074511	A	G	0.106	0.011	0.154	1.92E-20	-0.004	0.004	0.258	0.002	85.871	TRUE	1.20E-17
FVC	CHGA	rs79982246	A	G	-0.312	0.039	0.011	2.49E-15	-0.011	0.010	0.276	0.002	62.628	TRUE	3.58E-13
FVC	CHGA	rs8017818	G	A	-0.098	0.016	0.069	1.64E-09	0.004	0.005	0.482	0.001	36.364	TRUE	2.48E-08
FVC	CHGA	rs9658667	A	G	-0.381	0.026	0.026	1.63E-48	-0.008	0.007	0.218	0.006	214.229	TRUE	1.77E-42
FVC	CLN5	rs12869198	T	A	-0.168	0.024	0.027	2.51E-12	-0.002	0.007	0.755	0.001	49.033	TRUE	3.59E-11
FVC	CLN5	rs642394	T	C	0.053	0.008	0.671	3.37E-10	-0.004	0.003	0.082	0.001	39.448	TRUE	3.49E-08
FVC	CLN5	rs700363	A	G	-0.172	0.014	0.090	3.61E-36	0.009	0.005	0.049	0.004	157.682	TRUE	2.10E-30
FVC	EPHA2	rs1000997	A	G	-0.051	0.009	0.725	3.58E-08	0.001	0.003	0.659	0.001	30.361	TRUE	2.57E-07
FVC	EPHA2	rs10907227	C	G	-0.049	0.008	0.390	6.19E-09	0.007	0.002	0.006	0.001	33.771	TRUE	1.73E-06

FVC	EPHA2	rs10927748	G	A	-0.161	0.028	0.023	7.56E-09	-0.006	0.008	0.428	0.001	33.383	TRUE	1.09E-07
FVC	EPHA2	rs10927838	G	T	0.065	0.009	0.678	2.15E-13	0.004	0.002	0.137	0.002	53.861	TRUE	4.04E-11
FVC	EPHA2	rs10927877	A	G	-0.260	0.030	0.019	7.40E-18	0.011	0.009	0.216	0.002	74.102	TRUE	2.92E-15
FVC	EPHA2	rs111962633	A	G	-0.126	0.019	0.049	7.48E-11	0.010	0.006	0.084	0.001	42.388	TRUE	9.10E-09
FVC	EPHA2	rs112285834	A	G	0.191	0.025	0.026	5.31E-14	0.014	0.010	0.155	0.002	56.610	TRUE	1.04E-11
FVC	EPHA2	rs11260743	G	A	-0.125	0.014	0.090	1.89E-18	0.004	0.005	0.366	0.002	76.794	TRUE	4.13E-16
FVC	EPHA2	rs113688937	T	C	0.148	0.018	0.055	8.87E-17	-0.015	0.005	0.002	0.002	69.201	TRUE	1.35E-12
FVC	EPHA2	rs115514785	A	G	-0.232	0.027	0.024	9.66E-18	0.008	0.008	0.332	0.002	73.578	TRUE	2.04E-15
FVC	EPHA2	rs115630241	A	C	0.083	0.014	0.103	1.02E-09	-0.001	0.004	0.836	0.001	37.286	TRUE	6.95E-09
FVC	EPHA2	rs144388032	T	C	0.179	0.017	0.063	1.29E-26	-0.007	0.008	0.357	0.003	114.011	TRUE	2.21E-23
FVC	EPHA2	rs147100718	C	T	-0.168	0.028	0.022	3.38E-09	-0.005	0.009	0.527	0.001	34.947	TRUE	4.14E-08
FVC	EPHA2	rs149562	T	C	-0.071	0.009	0.270	1.09E-14	0.004	0.003	0.138	0.002	59.716	TRUE	3.06E-12
FVC	EPHA2	rs182026959	A	G	0.230	0.028	0.020	4.48E-16	-0.022	0.010	0.035	0.002	66.008	TRUE	7.02E-13
FVC	EPHA2	rs2761490	G	C	-0.063	0.009	0.314	1.44E-12	0.000	0.003	0.979	0.001	50.126	TRUE	1.25E-11
FVC	EPHA2	rs34192549	T	C	0.353	0.038	0.012	1.44E-20	0.005	0.009	0.576	0.002	86.429	TRUE	2.19E-18
FVC	EPHA2	rs36086195	T	C	-0.137	0.008	0.570	1.29E-60	0.005	0.002	0.044	0.008	269.732	TRUE	7.85E-52
FVC	EPHA2	rs4661353	C	T	-0.080	0.009	0.740	1.17E-17	0.005	0.003	0.071	0.002	73.205	TRUE	1.73E-14
FVC	EPHA2	rs59715737	A	G	0.092	0.013	0.122	3.35E-13	-0.002	0.004	0.584	0.001	52.987	TRUE	9.26E-12
FVC	EPHA2	rs6687638	C	G	-0.230	0.031	0.018	1.16E-13	-0.005	0.010	0.621	0.002	55.067	TRUE	3.21E-12
FVC	EPHA2	rs7520744	A	G	0.098	0.013	0.113	7.16E-14	0.009	0.004	0.025	0.002	56.021	TRUE	6.42E-11
FVC	EPHA2	rs7527601	A	G	0.083	0.014	0.099	2.32E-09	0.000	0.004	0.967	0.001	35.686	TRUE	1.14E-08
FVC	EPHA2	rs76124003	G	A	0.286	0.034	0.014	2.12E-17	-0.008	0.012	0.486	0.002	72.030	TRUE	2.16E-15
FVC	EPHA2	rs924202	G	A	-0.057	0.008	0.548	4.56E-12	0.002	0.002	0.363	0.001	47.867	TRUE	1.93E-10
FVC	EPHA2	rs9435778	T	C	0.124	0.014	0.907	2.01E-18	0.003	0.004	0.538	0.002	76.677	TRUE	2.15E-16
FVC	FER	rs115594202	G	T	0.115	0.019	0.051	7.90E-10	0.014	0.006	0.016	0.001	37.784	TRUE	2.02E-07
FVC	FER	rs13178668	G	A	0.076	0.008	0.382	1.37E-19	0.007	0.002	0.002	0.002	81.976	TRUE	5.98E-15
FVC	FGG	rs10857275	T	C	0.047	0.008	0.402	1.29E-08	0.003	0.003	0.177	0.001	32.340	TRUE	4.18E-07
FVC	FGG	rs149396494	T	C	0.133	0.024	0.031	1.54E-08	-0.004	0.008	0.578	0.001	31.995	TRUE	1.43E-07
FVC	FGG	rs4220	A	G	0.177	0.011	0.154	2.87E-54	0.009	0.003	0.007	0.007	240.616	TRUE	6.22E-45
FVC	FGG	rs6536021	A	C	-0.054	0.009	0.341	4.53E-10	-0.004	0.002	0.116	0.001	38.867	TRUE	3.37E-08
FVC	FGG	rs7660987	T	A	0.068	0.009	0.316	1.19E-14	0.004	0.003	0.178	0.002	59.545	TRUE	2.61E-12
FVC	FIS1	rs118149823	T	C	-0.097	0.017	0.056	2.01E-08	-0.009	0.005	0.076	0.001	31.487	TRUE	1.11E-06
FVC	FIS1	rs150814238	T	C	0.100	0.014	0.089	1.34E-12	-0.001	0.005	0.921	0.001	50.261	TRUE	1.34E-11
FVC	FIS1	rs56135946	C	T	-0.079	0.014	0.085	3.14E-08	0.005	0.005	0.327	0.001	30.618	TRUE	5.10E-07
FVC	FIS1	rs6090	A	G	-0.273	0.039	0.011	3.92E-12	0.011	0.012	0.342	0.001	48.160	TRUE	1.82E-10
FVC	FIS1	rs75487681	T	A	-0.321	0.017	0.059	4.62E-81	-0.011	0.005	0.028	0.010	363.588	TRUE	1.87E-69
FVC	GFRAL	rs1032771	T	C	-0.082	0.012	0.873	1.19E-11	-0.009	0.004	0.008	0.001	45.992	TRUE	1.00E-08
FVC	GFRAL	rs112080999	A	G	-0.046	0.008	0.370	2.74E-08	0.003	0.003	0.195	0.001	30.884	TRUE	7.08E-07
FVC	GFRAL	rs112750526	C	T	-0.127	0.019	0.047	3.15E-11	0.012	0.006	0.045	0.001	44.080	TRUE	7.05E-09
FVC	GFRAL	rs114262061	T	C	0.133	0.022	0.033	3.11E-09	-0.009	0.008	0.251	0.001	35.112	TRUE	8.65E-08
FVC	GFRAL	rs114484318	T	G	-0.163	0.026	0.024	6.44E-10	0.018	0.008	0.033	0.001	38.180	TRUE	1.11E-07
FVC	GFRAL	rs114729093	C	T	-0.174	0.031	0.018	1.84E-08	-0.002	0.011	0.891	0.001	31.658	TRUE	8.74E-08

FVC	GFRAL	rs115120576	G	A	-0.173	0.029	0.021	1.71E-09	0.014	0.007	0.055	0.001	36.279	TRUE	1.79E-07
FVC	GFRAL	rs115532759	T	A	0.146	0.024	0.030	7.80E-10	-0.005	0.008	0.587	0.001	37.806	TRUE	9.78E-09
FVC	GFRAL	rs115697954	A	G	0.121	0.021	0.036	1.61E-08	0.010	0.007	0.149	0.001	31.913	TRUE	5.73E-07
FVC	GFRAL	rs116625461	G	A	-0.162	0.024	0.029	1.12E-11	0.006	0.010	0.518	0.001	46.109	TRUE	2.58E-10
FVC	GFRAL	rs12192987	G	T	-0.161	0.011	0.163	4.84E-50	-0.001	0.003	0.816	0.006	221.233	TRUE	1.36E-45
FVC	GFRAL	rs12213867	C	T	0.099	0.008	0.398	3.32E-33	0.004	0.003	0.135	0.004	144.129	TRUE	1.67E-28
FVC	GFRAL	rs12529201	T	C	-0.146	0.009	0.735	1.75E-57	0.002	0.003	0.478	0.007	255.365	TRUE	1.76E-51
FVC	GFRAL	rs141081662	T	G	0.102	0.019	0.049	4.92E-08	0.006	0.006	0.321	0.001	29.748	TRUE	7.61E-07
FVC	GFRAL	rs142892248	T	C	0.302	0.030	0.018	1.59E-23	-0.003	0.016	0.828	0.003	99.909	TRUE	1.88E-21
FVC	GFRAL	rs149056521	G	C	-0.106	0.018	0.055	2.01E-09	0.002	0.006	0.771	0.001	35.960	TRUE	1.48E-08
FVC	GFRAL	rs228137	G	A	0.071	0.011	0.151	2.72E-10	0.004	0.003	0.189	0.001	39.863	TRUE	1.39E-08
FVC	GFRAL	rs228146	A	C	0.054	0.008	0.344	2.25E-10	0.002	0.002	0.330	0.001	40.234	TRUE	6.49E-09
FVC	GFRAL	rs243815	C	T	-0.078	0.013	0.897	3.19E-09	-0.001	0.004	0.813	0.001	35.065	TRUE	2.07E-08
FVC	GFRAL	rs35258907	T	C	-0.097	0.009	0.274	3.96E-27	-0.007	0.003	0.009	0.003	116.358	TRUE	1.00E-21
FVC	GFRAL	rs368358023	T	C	-0.168	0.016	0.067	2.29E-25	0.011	0.004	0.007	0.003	108.313	TRUE	4.00E-20
FVC	GFRAL	rs3734444	G	A	-0.050	0.008	0.432	6.23E-10	-0.005	0.002	0.035	0.001	38.246	TRUE	9.81E-08
FVC	GFRAL	rs3857612	A	G	0.079	0.009	0.668	2.33E-20	0.005	0.002	0.025	0.002	85.485	TRUE	2.14E-16
FVC	GFRAL	rs528132710	C	T	-0.108	0.014	0.091	9.07E-15	-0.018	0.005	1.20E-04	0.002	60.085	TRUE	2.52E-10
FVC	GFRAL	rs60761034	T	C	0.211	0.013	0.101	1.29E-55	-0.009	0.003	0.006	0.007	246.791	TRUE	4.65E-46
FVC	GFRAL	rs6459150	G	A	-0.096	0.014	0.911	8.19E-12	-0.002	0.004	0.543	0.001	46.716	TRUE	1.80E-10
FVC	GFRAL	rs6903416	T	C	0.081	0.009	0.265	8.14E-19	0.004	0.003	0.160	0.002	78.462	TRUE	6.62E-16
FVC	GFRAL	rs6922480	G	T	0.056	0.008	0.623	1.29E-11	-0.010	0.003	9.86E-05	0.001	45.822	TRUE	6.66E-08
FVC	GFRAL	rs72872222	T	C	0.108	0.014	0.088	7.44E-14	0.006	0.004	0.149	0.002	55.944	TRUE	1.41E-11
FVC	GFRAL	rs72954374	T	C	-0.165	0.023	0.032	4.86E-13	-0.014	0.009	0.116	0.001	52.256	TRUE	9.31E-11
FVC	GFRAL	rs72988065	G	A	0.168	0.010	0.189	1.16E-60	0.009	0.003	0.007	0.008	269.943	TRUE	1.59E-50
FVC	GFRAL	rs76786858	G	A	0.191	0.021	0.041	2.63E-20	-0.005	0.007	0.453	0.002	85.243	TRUE	6.13E-18
FVC	GFRAL	rs78747268	T	C	-0.204	0.036	0.013	1.75E-08	0.008	0.011	0.493	0.001	31.748	TRUE	1.96E-07
FVC	GFRAL	rs79448240	G	C	-0.106	0.019	0.046	4.72E-08	-0.013	0.007	0.053	0.001	29.827	TRUE	2.82E-06
FVC	GFRAL	rs9349776	C	T	-0.071	0.008	0.569	1.98E-18	-0.003	0.002	0.257	0.002	76.703	TRUE	7.12E-16
FVC	GFRAL	rs9349784	A	C	-0.069	0.012	0.130	8.62E-09	-0.003	0.004	0.470	0.001	33.128	TRUE	1.09E-07
FVC	GLB1	rs4343578	C	T	-0.051	0.009	0.233	1.85E-08	0.002	0.003	0.450	0.001	31.648	TRUE	2.27E-07
FVC	GLB1	rs62250512	A	G	0.045	0.008	0.601	9.73E-09	0.007	0.002	0.006	0.001	32.893	TRUE	2.48E-06
FVC	GM2A	rs10039591	A	G	0.058	0.009	0.622	1.54E-11	-0.001	0.002	0.640	0.001	45.484	TRUE	2.44E-10
FVC	GM2A	rs1061837	A	G	0.054	0.008	0.491	1.35E-10	-0.006	0.002	0.016	0.001	41.231	TRUE	4.41E-08
FVC	GM2A	rs113270088	C	A	-0.111	0.018	0.058	5.44E-10	0.000	0.006	0.984	0.001	38.511	TRUE	2.84E-09
FVC	GM2A	rs114154431	C	A	0.353	0.045	0.008	8.18E-15	-0.028	0.009	0.002	0.002	60.287	TRUE	5.27E-11
FVC	GM2A	rs114421242	A	G	-0.091	0.016	0.071	3.59E-08	-0.001	0.005	0.844	0.001	30.358	TRUE	1.78E-07
FVC	GM2A	rs115977236	A	G	-0.148	0.027	0.026	2.63E-08	0.005	0.009	0.570	0.001	30.960	TRUE	2.33E-07
FVC	GM2A	rs116432609	G	A	0.126	0.020	0.048	2.02E-10	-0.008	0.007	0.209	0.001	40.448	TRUE	9.73E-09
FVC	GM2A	rs11739782	A	G	-0.063	0.011	0.176	8.61E-09	-0.003	0.003	0.303	0.001	33.130	TRUE	1.78E-07
FVC	GM2A	rs12654497	T	C	0.086	0.011	0.186	1.04E-15	0.001	0.003	0.732	0.002	64.344	TRUE	3.21E-14
FVC	GM2A	rs137921084	G	A	0.351	0.022	0.037	3.29E-57	-0.022	0.008	0.005	0.007	254.102	TRUE	2.66E-47

FVC	GM2A	rs148847411	T	C	0.089	0.011	0.170	1.17E-15	-0.007	0.003	0.038	0.002	64.121	TRUE	1.41E-12
FVC	GM2A	rs2112635	T	C	-0.086	0.009	0.686	1.06E-21	0.000	0.003	0.981	0.003	91.604	TRUE	5.35E-20
FVC	GM2A	rs248454	A	G	-0.061	0.009	0.680	1.55E-11	-0.008	0.003	0.001	0.001	45.469	TRUE	3.32E-08
FVC	GM2A	rs248467	A	G	0.238	0.009	0.356	3.48E-168	-0.003	0.003	0.308	0.021	764.037	TRUE	2.86E-150
FVC	GM2A	rs352702	T	C	-0.105	0.014	0.101	2.90E-14	0.003	0.004	0.428	0.002	57.800	TRUE	1.66E-12
FVC	GM2A	rs3756627	T	C	-0.288	0.022	0.036	1.72E-37	-0.004	0.007	0.565	0.005	163.737	TRUE	1.20E-33
FVC	GM2A	rs3792773	A	G	0.208	0.019	0.051	1.85E-28	0.007	0.006	0.262	0.003	122.434	TRUE	9.13E-25
FVC	GM2A	rs4958872	T	C	0.058	0.010	0.754	2.35E-09	0.006	0.003	0.038	0.001	35.662	TRUE	2.74E-07
FVC	GM2A	rs4958889	T	C	0.091	0.014	0.105	2.01E-11	0.000	0.004	0.990	0.001	44.958	TRUE	1.33E-10
FVC	GM2A	rs4958896	T	C	0.047	0.008	0.482	2.02E-08	0.002	0.002	0.441	0.001	31.476	TRUE	2.45E-07
FVC	GM2A	rs66495175	A	C	0.112	0.014	0.092	7.14E-15	0.008	0.004	0.057	0.002	60.554	TRUE	4.79E-12
FVC	GM2A	rs6896503	A	G	0.099	0.008	0.551	1.00E-31	-0.003	0.002	0.250	0.004	137.358	TRUE	1.12E-27
FVC	GM2A	rs6897702	A	C	-0.088	0.011	0.196	1.02E-16	0.001	0.003	0.654	0.002	68.934	TRUE	5.08E-15
FVC	GM2A	rs72790122	A	G	0.107	0.018	0.063	1.01E-09	0.002	0.005	0.708	0.001	37.313	TRUE	9.19E-09
FVC	GM2A	rs72792113	C	T	0.189	0.024	0.031	4.95E-15	0.002	0.009	0.855	0.002	61.278	TRUE	9.60E-14
FVC	GM2A	rs72794132	T	C	0.321	0.011	0.164	3.52E-184	-0.014	0.003	9.41E-06	0.023	837.601	TRUE	5.69E-153
FVC	GM2A	rs76177397	C	T	-0.160	0.029	0.023	2.75E-08	-0.002	0.007	0.826	0.001	30.878	TRUE	1.43E-07
FVC	GM2A	rs76910269	T	G	0.193	0.013	0.124	2.99E-52	-0.012	0.003	3.76E-04	0.006	231.360	TRUE	8.17E-42
FVC	GM2A	rs78605922	A	G	-0.199	0.035	0.015	1.49E-08	-0.009	0.011	0.388	0.001	32.063	TRUE	2.22E-07
FVC	GM2A	rs80209179	C	T	0.177	0.026	0.027	1.06E-11	0.015	0.009	0.088	0.001	46.217	TRUE	1.65E-09
FVC	GM2A	rs9324677	C	A	-0.065	0.008	0.584	1.40E-14	0.001	0.002	0.776	0.002	59.238	TRUE	3.09E-13
FVC	GUSB	rs141454297	G	T	-0.305	0.022	0.037	1.42E-44	0.009	0.008	0.269	0.005	196.179	TRUE	3.57E-39
FVC	GUSB	rs1799356	A	G	0.175	0.029	0.021	2.20E-09	-0.004	0.010	0.676	0.001	35.784	TRUE	2.00E-08
FVC	GUSB	rs34356500	T	G	0.139	0.008	0.536	1.17E-64	-0.009	0.002	3.07E-04	0.008	288.270	TRUE	2.01E-52
FVC	GUSB	rs55755273	C	T	0.124	0.018	0.058	1.92E-12	-0.003	0.005	0.526	0.001	49.559	TRUE	5.26E-11
FVC	GUSB	rs73143909	C	G	0.084	0.014	0.090	3.68E-09	-0.010	0.004	0.020	0.001	34.785	TRUE	6.06E-07
FVC	HINT1	rs112241559	A	C	0.097	0.010	0.219	2.26E-23	0.011	0.003	6.89E-05	0.003	99.211	TRUE	4.95E-17
FVC	IFI16	rs856052	G	T	0.069	0.011	0.832	1.72E-10	0.005	0.003	0.102	0.001	40.757	TRUE	1.63E-08
FVC	IFI16	rs12071136	A	C	-0.067	0.012	0.140	8.92E-09	-0.002	0.003	0.556	0.001	33.062	TRUE	9.22E-08
FVC	IFI16	rs2518563	T	C	0.091	0.010	0.815	7.15E-19	0.007	0.003	0.029	0.002	78.717	TRUE	3.88E-15
FVC	LGALS3	rs10139315	A	G	0.099	0.009	0.757	9.32E-26	0.001	0.003	0.701	0.003	110.092	TRUE	2.85E-23
FVC	LGALS3	rs10139709	G	C	-0.109	0.009	0.274	8.82E-33	-0.003	0.003	0.326	0.004	142.187	TRUE	8.59E-29
FVC	LGALS3	rs10498477	A	G	-0.081	0.010	0.204	9.10E-16	-0.001	0.003	0.633	0.002	64.614	TRUE	3.94E-14
FVC	LGALS3	rs1187886	C	G	0.110	0.010	0.189	3.17E-26	0.004	0.003	0.259	0.003	112.232	TRUE	8.56E-23
FVC	LGALS3	rs12436304	A	G	0.156	0.027	0.024	1.19E-08	-0.002	0.006	0.766	0.001	32.509	TRUE	7.63E-08
FVC	LGALS3	rs12590849	G	A	0.051	0.008	0.488	5.27E-10	-0.002	0.002	0.521	0.001	38.573	TRUE	7.83E-09
FVC	LGALS3	rs12886075	T	C	-0.047	0.008	0.636	3.46E-08	0.002	0.003	0.471	0.001	30.428	TRUE	3.78E-07
FVC	LGALS3	rs139271565	T	C	-0.332	0.056	0.006	2.20E-09	0.007	0.016	0.666	0.001	35.787	TRUE	2.04E-08
FVC	LGALS3	rs140427123	G	A	-0.500	0.036	0.013	6.74E-45	-0.001	0.011	0.947	0.006	197.658	TRUE	3.40E-41
FVC	LGALS3	rs147645133	G	T	-0.388	0.035	0.012	2.91E-28	-0.022	0.012	0.078	0.003	121.537	TRUE	8.91E-24
FVC	LGALS3	rs17128136	A	G	0.110	0.014	0.095	3.66E-15	-0.005	0.004	0.225	0.002	61.869	TRUE	6.47E-13
FVC	LGALS3	rs17674390	C	T	0.135	0.020	0.040	5.05E-11	0.002	0.006	0.750	0.001	43.154	TRUE	5.63E-10

FVC	LGALS3	rs17728215	A	G	0.076	0.011	0.151	2.98E-11	0.002	0.004	0.540	0.001	44.190	TRUE	5.85E-10
FVC	LGALS3	rs2152278	A	C	-0.052	0.009	0.257	2.97E-08	-0.003	0.003	0.257	0.001	30.728	TRUE	5.91E-07
FVC	LGALS3	rs41298434	A	C	-0.233	0.032	0.016	3.92E-13	0.002	0.004	0.632	0.001	52.679	TRUE	9.18E-12
FVC	LGALS3	rs4898851	T	C	-0.111	0.009	0.315	2.68E-36	-0.003	0.003	0.246	0.004	158.278	TRUE	9.96E-32
FVC	LGALS3	rs55985131	T	C	-0.145	0.009	0.258	1.07E-55	-0.006	0.003	0.039	0.007	247.171	TRUE	2.29E-47
FVC	LGALS3	rs56133056	G	C	-0.090	0.015	0.085	7.50E-10	0.004	0.003	0.311	0.001	37.884	TRUE	2.10E-08
FVC	LGALS3	rs56280202	T	C	-0.371	0.013	0.118	2.04E-192	-0.002	0.002	0.452	0.024	875.488	TRUE	7.89E-173
FVC	LGALS3	rs71412695	G	A	-0.138	0.018	0.055	6.37E-15	-0.004	0.005	0.505	0.002	60.779	TRUE	3.42E-13
FVC	LGALS3	rs7153132	A	G	-0.048	0.008	0.514	3.22E-09	0.000	0.002	0.950	0.001	35.043	TRUE	1.52E-08
FVC	LGALS3	rs7156733	A	G	-0.160	0.027	0.023	3.95E-09	0.002	0.009	0.781	0.001	34.645	TRUE	2.68E-08
FVC	LGALS3	rs735123	T	C	-0.095	0.009	0.253	4.31E-24	-0.002	0.003	0.413	0.003	102.496	TRUE	2.95E-21
FVC	LGALS3	rs76790102	T	C	-0.550	0.011	0.091	1.00E-200	-0.012	0.004	0.004	0.060	2286.302	TRUE	1.00E-200
FVC	LGALS3	rs77139386	G	T	0.073	0.011	0.163	3.08E-11	0.000	0.003	0.905	0.001	44.121	TRUE	2.46E-10
FVC	LGALS3	rs9323270	A	C	-0.096	0.009	0.248	2.52E-24	-0.004	0.003	0.138	0.003	103.561	TRUE	1.06E-20
FVC	LGALS9	rs118088034	A	G	-0.135	0.020	0.041	3.07E-11	-0.017	0.006	0.003	0.001	44.127	TRUE	3.64E-08
FVC	LGALS9	rs4525544	G	A	-0.074	0.013	0.893	1.96E-08	-0.001	0.004	0.882	0.001	31.528	TRUE	9.49E-08
FVC	LGALS9	rs71372336	A	G	-0.116	0.018	0.054	6.76E-11	-0.022	0.007	0.002	0.001	42.586	TRUE	8.83E-08
FVC	LGALS9	rs944722	T	C	-0.059	0.008	0.586	5.93E-13	-0.004	0.002	0.101	0.001	51.865	TRUE	1.23E-10
FVC	LGALS9	rs9896600	G	A	-0.137	0.010	0.235	1.07E-46	-0.006	0.003	0.019	0.006	205.910	TRUE	5.51E-39
FVC	MAP1LC3A	rs6120675	C	T	0.050	0.008	0.484	1.23E-09	-0.013	0.002	1.98E-08	0.001	36.922	TRUE	2.73E-05
FVC	MCL1	rs41272019	T	C	-0.879	0.045	0.008	2.17E-86	0.058	0.009	9.42E-10	0.011	388.051	TRUE	1.59E-65
FVC	MCL1	rs72692830	T	C	-0.127	0.018	0.052	1.35E-12	0.020	0.006	5.42E-04	0.001	50.258	TRUE	6.36E-09
FVC	PARK7	rs12134193	T	C	-0.079	0.014	0.095	7.26E-09	0.005	0.004	0.230	0.001	33.461	TRUE	1.95E-07
FVC	PARK7	rs226251	C	T	0.113	0.008	0.605	6.39E-43	-0.006	0.002	0.009	0.005	188.600	TRUE	2.28E-35
FVC	PARK7	rs228651	T	C	-0.060	0.008	0.373	9.65E-13	0.006	0.002	0.014	0.001	50.912	TRUE	8.58E-10
FVC	PARK7	rs4908685	A	C	0.119	0.018	0.055	1.62E-11	-0.016	0.006	0.008	0.001	45.383	TRUE	1.19E-08
FVC	PARK7	rs59523164	A	G	0.126	0.010	0.199	1.30E-35	-0.015	0.003	1.57E-06	0.004	155.138	TRUE	5.26E-26
FVC	PF4	rs114184225	C	T	-0.188	0.033	0.016	8.96E-09	-0.015	0.010	0.130	0.001	33.053	TRUE	3.89E-07
FVC	PF4	rs11574452	A	C	-0.219	0.026	0.027	1.31E-17	0.008	0.006	0.149	0.002	72.980	TRUE	7.54E-15
FVC	PF4	rs1398015	T	C	-0.152	0.017	0.059	3.48E-18	-0.012	0.006	0.041	0.002	75.594	TRUE	9.70E-15
FVC	PRKCA	rs113015462	T	C	-0.077	0.012	0.131	3.55E-10	0.001	0.004	0.742	0.001	39.342	TRUE	3.23E-09
FVC	PRKCA	rs12601617	C	T	-0.049	0.008	0.467	2.00E-09	-0.001	0.002	0.578	0.001	35.973	TRUE	2.25E-08
FVC	PRKCA	rs61762372	A	G	0.081	0.008	0.370	1.60E-21	-0.009	0.002	2.44E-04	0.003	90.779	TRUE	7.19E-16
FVC	PTEN	rs117002784	T	C	0.134	0.021	0.038	2.87E-10	-0.019	0.008	0.016	0.001	39.761	TRUE	8.54E-08
FVC	PTEN	rs7079754	C	T	0.080	0.013	0.104	2.37E-09	0.006	0.004	0.137	0.001	35.638	TRUE	1.21E-07
FVC	RIPK2	rs160438	G	A	0.084	0.012	0.133	8.95E-13	-0.012	0.004	4.78E-04	0.001	51.059	TRUE	4.67E-09
FVC	SFRP1	rs113287539	A	G	-0.110	0.020	0.046	3.24E-08	0.007	0.008	0.373	0.001	30.557	TRUE	4.63E-07
FVC	SFRP1	rs11778807	T	C	-0.113	0.013	0.878	1.07E-18	0.001	0.003	0.872	0.002	77.913	TRUE	4.01E-17
FVC	SFRP1	rs12547239	A	G	-0.062	0.009	0.687	7.51E-12	0.004	0.003	0.085	0.001	46.887	TRUE	1.22E-09
FVC	SFRP1	rs13268698	G	T	0.183	0.023	0.032	5.75E-15	0.003	0.008	0.722	0.002	60.982	TRUE	1.58E-13
FVC	SFRP1	rs138953270	A	G	0.081	0.012	0.137	5.60E-11	-0.004	0.004	0.302	0.001	42.952	TRUE	2.15E-09
FVC	SFRP1	rs143089503	T	C	-0.118	0.019	0.054	2.92E-10	-0.004	0.005	0.511	0.001	39.728	TRUE	4.80E-09

FVC	SFRP1	rs145917781	T	C	0.245	0.031	0.018	5.25E-15	0.000	0.011	0.972	0.002	61.162	TRUE	7.35E-14
FVC	SFRP1	rs149469919	G	A	-0.181	0.030	0.020	1.58E-09	-0.006	0.010	0.530	0.001	36.431	TRUE	2.11E-08
FVC	SFRP1	rs150153367	A	G	-0.180	0.028	0.023	1.32E-10	0.007	0.008	0.342	0.001	41.284	TRUE	4.06E-09
FVC	SFRP1	rs183616820	G	A	-0.243	0.036	0.014	8.34E-12	0.001	0.009	0.915	0.001	46.682	TRUE	7.21E-11
FVC	SFRP1	rs34575371	T	C	0.126	0.014	0.096	8.70E-19	-0.003	0.004	0.453	0.002	78.329	TRUE	1.34E-16
FVC	SFRP1	rs35559207	C	T	0.069	0.011	0.178	3.28E-10	0.003	0.003	0.420	0.001	39.500	TRUE	7.12E-09
FVC	SFRP1	rs56349125	T	G	0.083	0.012	0.145	2.64E-12	0.009	0.004	0.012	0.001	48.940	TRUE	2.23E-09
FVC	SFRP1	rs62642264	T	C	-0.130	0.013	0.128	6.42E-25	0.001	0.004	0.716	0.003	106.269	TRUE	1.55E-22
FVC	SFRP1	rs62642270	G	A	-0.129	0.011	0.162	1.53E-29	0.009	0.003	0.004	0.004	127.375	TRUE	1.72E-23
FVC	SFRP1	rs62642295	C	T	0.133	0.019	0.049	5.13E-12	0.003	0.005	0.576	0.001	47.635	TRUE	1.09E-10
FVC	SFRP1	rs6415707	G	T	-0.120	0.009	0.285	4.25E-38	0.005	0.003	0.072	0.005	166.515	TRUE	2.48E-32
FVC	SFRP1	rs6651363	A	G	0.063	0.009	0.347	9.31E-13	-0.002	0.003	0.368	0.001	50.981	TRUE	4.42E-11
FVC	SFRP1	rs72642707	A	T	-0.233	0.032	0.018	2.45E-13	0.035	0.010	2.81E-04	0.002	53.603	TRUE	2.36E-09
FVC	SFRP1	rs72643819	T	G	-0.158	0.008	0.418	5.87E-77	0.008	0.002	0.001	0.010	344.737	TRUE	1.99E-63
FVC	SFRP1	rs72645550	T	G	-0.157	0.027	0.025	4.45E-09	0.016	0.008	0.045	0.001	34.414	TRUE	4.43E-07
FVC	SFRP1	rs74501864	C	T	-0.106	0.017	0.064	8.07E-10	-0.003	0.006	0.575	0.001	37.742	TRUE	1.03E-08
FVC	SFRP1	rs75155803	C	T	0.177	0.019	0.050	2.60E-20	0.001	0.006	0.851	0.002	85.269	TRUE	1.49E-18
FVC	SFRP1	rs76346677	T	C	0.183	0.016	0.074	3.59E-30	0.002	0.004	0.655	0.004	130.254	TRUE	3.29E-27
FVC	SFRP1	rs7813807	A	C	-0.126	0.008	0.467	2.50E-51	-0.006	0.002	0.018	0.006	227.136	TRUE	4.39E-43
FVC	SFRP1	rs78408644	A	G	0.243	0.041	0.011	2.12E-09	-0.019	0.010	0.059	0.001	35.857	TRUE	2.03E-07
FVC	SFRP1	rs79008035	C	A	0.325	0.035	0.014	1.29E-20	-0.020	0.013	0.134	0.002	86.659	TRUE	2.09E-17
FVC	SFRP1	rs933832	C	A	-0.060	0.009	0.674	2.42E-11	-0.001	0.002	0.667	0.001	44.592	TRUE	3.41E-10
FVC	SMPD1	rs1050239	A	G	-0.361	0.007	0.290	1.00E-200	0.008	0.003	0.002	0.076	2911.025	TRUE	1.00E-200
FVC	SMPD1	rs10769687	C	T	-0.070	0.008	0.486	7.96E-17	0.002	0.002	0.387	0.002	69.416	TRUE	1.05E-14
FVC	SMPD1	rs10839555	C	G	-0.137	0.009	0.286	5.53E-50	0.001	0.003	0.805	0.006	220.968	TRUE	1.57E-45
FVC	SMPD1	rs11038926	A	G	-0.062	0.010	0.229	6.73E-10	0.008	0.003	0.007	0.001	38.095	TRUE	2.81E-07
FVC	SMPD1	rs11040254	T	C	-0.064	0.009	0.267	1.66E-11	0.004	0.003	0.173	0.001	45.330	TRUE	1.40E-09
FVC	SMPD1	rs11041298	G	A	-0.152	0.024	0.031	3.30E-10	0.005	0.010	0.651	0.001	39.489	TRUE	3.85E-09
FVC	SMPD1	rs113199701	T	C	0.128	0.022	0.039	5.96E-09	0.010	0.009	0.289	0.001	33.846	TRUE	1.34E-07
FVC	SMPD1	rs113371018	C	G	-0.143	0.026	0.027	3.25E-08	0.007	0.007	0.334	0.001	30.551	TRUE	5.09E-07
FVC	SMPD1	rs1159431	C	T	-0.151	0.021	0.042	3.21E-13	0.005	0.006	0.326	0.001	53.071	TRUE	2.10E-11
FVC	SMPD1	rs117985794	A	G	-0.186	0.031	0.020	1.34E-09	0.026	0.012	0.032	0.001	36.749	TRUE	2.03E-07
FVC	SMPD1	rs11820835	C	T	0.074	0.012	0.136	7.77E-10	0.006	0.004	0.098	0.001	37.815	TRUE	6.10E-08
FVC	SMPD1	rs12271375	T	C	-0.105	0.017	0.062	1.69E-09	-0.002	0.005	0.684	0.001	36.298	TRUE	1.55E-08
FVC	SMPD1	rs139497462	C	A	-0.218	0.039	0.012	2.37E-08	0.014	0.012	0.259	0.001	31.160	TRUE	5.02E-07
FVC	SMPD1	rs142303644	T	C	-0.212	0.028	0.024	2.55E-14	0.014	0.009	0.128	0.002	58.049	TRUE	6.60E-12
FVC	SMPD1	rs143258522	C	T	0.190	0.022	0.037	2.97E-17	0.013	0.010	0.180	0.002	71.363	TRUE	1.26E-14
FVC	SMPD1	rs147145913	G	A	-0.361	0.039	0.011	3.53E-20	-0.005	0.010	0.647	0.002	84.663	TRUE	3.83E-18
FVC	SMPD1	rs148106490	A	G	0.178	0.029	0.021	6.79E-10	-0.017	0.010	0.083	0.001	38.078	TRUE	6.09E-08
FVC	SMPD1	rs149116355	T	C	-0.181	0.028	0.022	8.80E-11	-0.010	0.008	0.252	0.001	42.070	TRUE	3.92E-09
FVC	SMPD1	rs150320888	T	C	0.144	0.018	0.058	9.16E-16	0.003	0.007	0.735	0.002	64.599	TRUE	2.88E-14
FVC	SMPD1	rs16911940	A	T	-0.089	0.012	0.148	3.21E-14	0.003	0.003	0.432	0.002	57.601	TRUE	1.86E-12

FVC	SMPD1	rs16914574	C	T	0.159	0.021	0.041	1.07E-13	-0.002	0.007	0.768	0.002	55.234	TRUE	1.99E-12
FVC	SMPD1	rs17242778	C	T	-0.177	0.025	0.028	1.17E-12	0.004	0.010	0.708	0.001	50.530	TRUE	2.05E-11
FVC	SMPD1	rs187048936	A	G	-0.339	0.049	0.008	5.55E-12	0.021	0.018	0.254	0.001	47.478	TRUE	3.50E-10
FVC	SMPD1	rs1876302	T	C	-0.205	0.034	0.016	1.05E-09	0.007	0.011	0.519	0.001	37.222	TRUE	1.51E-08
FVC	SMPD1	rs2555148	A	G	0.052	0.009	0.357	2.95E-09	-0.004	0.003	0.122	0.001	35.215	TRUE	1.55E-07
FVC	SMPD1	rs2723673	T	C	0.222	0.015	0.922	2.47E-47	-0.002	0.005	0.744	0.006	208.819	TRUE	5.90E-43
FVC	SMPD1	rs34271039	T	C	0.199	0.023	0.035	4.40E-18	-0.006	0.009	0.495	0.002	75.128	TRUE	5.21E-16
FVC	SMPD1	rs35104022	A	G	-0.110	0.016	0.077	2.45E-12	-0.006	0.005	0.165	0.001	49.082	TRUE	2.75E-10
FVC	SMPD1	rs4627053	A	C	-0.071	0.010	0.237	8.11E-13	0.003	0.003	0.306	0.001	51.252	TRUE	5.27E-11
FVC	SMPD1	rs4758104	C	T	-0.051	0.009	0.627	4.22E-09	0.000	0.003	0.951	0.001	34.516	TRUE	2.06E-08
FVC	SMPD1	rs4758405	A	G	0.072	0.009	0.400	7.56E-17	0.003	0.002	0.234	0.002	69.518	TRUE	2.13E-14
FVC	SMPD1	rs4758415	T	C	-0.245	0.012	0.138	2.16E-89	-0.001	0.003	0.874	0.011	401.847	TRUE	1.39E-81
FVC	SMPD1	rs56400934	G	C	0.176	0.019	0.047	1.16E-19	0.001	0.006	0.817	0.002	82.313	TRUE	6.30E-18
FVC	SMPD1	rs57397396	C	T	0.190	0.030	0.020	4.00E-10	0.013	0.009	0.164	0.001	39.109	TRUE	2.22E-08
FVC	SMPD1	rs58067339	T	C	0.191	0.014	0.095	1.54E-40	0.008	0.005	0.092	0.005	177.696	TRUE	1.11E-34
FVC	SMPD1	rs61741824	C	T	-0.131	0.019	0.050	9.63E-12	-0.007	0.007	0.290	0.001	46.400	TRUE	4.87E-10
FVC	SMPD1	rs7107618	A	G	0.067	0.012	0.153	1.55E-08	-0.001	0.004	0.875	0.001	31.994	TRUE	7.84E-08
FVC	SMPD1	rs71472625	C	G	-0.188	0.029	0.021	7.35E-11	0.008	0.008	0.365	0.001	42.422	TRUE	2.24E-09
FVC	SMPD1	rs72880092	C	T	-0.089	0.014	0.096	3.82E-10	0.005	0.004	0.186	0.001	39.201	TRUE	1.88E-08
FVC	SMPD1	rs72896238	A	G	-0.255	0.028	0.022	2.44E-19	0.006	0.008	0.443	0.002	80.842	TRUE	4.65E-17
FVC	SMPD1	rs72896243	A	G	0.110	0.019	0.050	1.35E-08	0.005	0.007	0.495	0.001	32.253	TRUE	1.55E-07
FVC	SMPD1	rs77690773	C	T	-0.169	0.026	0.026	4.08E-11	0.005	0.008	0.528	0.001	43.572	TRUE	8.04E-10
FVC	SMPD1	rs77776071	A	G	0.165	0.015	0.086	1.02E-28	-0.003	0.005	0.477	0.003	123.623	TRUE	1.59E-25
FVC	SMPD1	rs7931672	G	A	0.192	0.030	0.019	3.00E-10	-0.002	0.010	0.817	0.001	39.675	TRUE	2.40E-09
FVC	SMPD1	rs79811238	A	C	-0.270	0.041	0.011	4.81E-11	0.006	0.009	0.504	0.001	43.251	TRUE	9.92E-10
FVC	TF	rs13080154	C	T	0.048	0.008	0.660	3.96E-09	-0.006	0.002	0.010	0.001	34.640	TRUE	1.01E-06
FVC	TF	rs1799852	T	C	-0.111	0.010	0.169	2.24E-27	0.005	0.004	0.247	0.003	117.489	TRUE	8.90E-24
FVC	TF	rs186639672	A	G	-0.252	0.036	0.012	1.74E-12	0.005	0.009	0.570	0.001	49.754	TRUE	4.25E-11
FVC	TF	rs6439425	C	T	0.060	0.011	0.846	1.50E-08	-0.004	0.003	0.229	0.001	32.054	TRUE	3.77E-07
FVC	TF	rs73213449	G	A	0.156	0.022	0.032	1.68E-12	0.006	0.009	0.458	0.001	49.823	TRUE	5.62E-11
FVC	TF	rs73217250	T	C	0.128	0.019	0.042	2.89E-11	-0.002	0.006	0.714	0.001	44.248	TRUE	3.69E-10
FVC	TF	rs8177245	G	A	0.145	0.009	0.270	4.84E-63	-0.005	0.003	0.039	0.008	280.859	TRUE	6.84E-54
FVC	TF	rs9836390	G	C	0.052	0.008	0.641	7.94E-11	0.000	0.003	0.895	0.001	42.271	TRUE	5.83E-10
FVC	TFRC	rs35270284	T	C	0.059	0.010	0.214	2.52E-09	0.001	0.003	0.876	0.001	35.520	TRUE	1.50E-08
FVC	TFRC	rs3827554	C	A	0.076	0.009	0.695	7.27E-18	-0.007	0.003	0.009	0.002	74.138	TRUE	6.66E-14
FVC	TFRC	rs73208017	G	C	-0.069	0.012	0.130	1.84E-08	-0.003	0.004	0.415	0.001	31.658	TRUE	2.54E-07
FVC	VPS26A	rs10509309	C	T	0.047	0.008	0.363	2.19E-08	-0.007	0.003	0.003	0.001	31.320	TRUE	5.64E-06
FVC	VPS26A	rs10998638	C	G	-0.184	0.009	0.238	2.45E-84	-0.006	0.003	0.043	0.011	378.625	TRUE	8.99E-73
FVC	VPS26A	rs112354651	C	G	-0.133	0.020	0.043	2.30E-11	-0.001	0.006	0.833	0.001	44.697	TRUE	2.23E-10
FVC	VPS26A	rs148727202	A	G	-0.089	0.013	0.103	3.49E-11	-0.007	0.004	0.122	0.001	43.877	TRUE	3.61E-09
FVC	VPS26A	rs1876257	C	A	-0.052	0.009	0.332	2.31E-09	0.001	0.003	0.746	0.001	35.694	TRUE	1.85E-08
FVC	VPS26A	rs4572029	G	A	0.065	0.010	0.194	3.25E-10	0.006	0.003	0.033	0.001	39.515	TRUE	6.58E-08

FVC	VPS26A	rs4746819	T	C	-0.065	0.011	0.836	2.43E-09	-0.002	0.003	0.447	0.001	35.594	TRUE	3.90E-08
FVC	VPS26A	rs57245644	T	C	0.088	0.015	0.077	8.40E-09	-0.003	0.005	0.626	0.001	33.180	TRUE	7.48E-08
FVC	WWOX	rs11545029	A	G	-0.070	0.008	0.617	6.34E-18	-0.007	0.002	0.002	0.002	74.407	TRUE	1.55E-13
FVC	WWOX	rs12596766	C	G	0.047	0.009	0.299	3.82E-08	0.006	0.003	0.033	0.001	30.237	TRUE	3.26E-06
FVC	WWOX	rs4888769	C	T	0.051	0.008	0.606	1.47E-10	0.002	0.002	0.321	0.001	41.069	TRUE	4.79E-09
FVC	YWHAB	rs113316640	A	G	-0.170	0.024	0.028	2.06E-12	-0.011	0.008	0.188	0.001	49.420	TRUE	2.02E-10
FVC	YWHAB	rs2743275	G	A	0.064	0.008	0.486	2.45E-15	0.005	0.002	0.059	0.002	62.658	TRUE	1.82E-12
FVC	YWHAB	rs4812874	A	G	0.059	0.009	0.302	1.46E-11	-0.003	0.003	0.214	0.001	45.585	TRUE	9.53E-10
FVC	YWHAB	rs6031847	T	C	-0.181	0.009	0.259	3.26E-87	-0.009	0.003	9.84E-04	0.011	391.837	TRUE	2.84E-72
FVC	YWHAB	rs6032079	G	A	0.072	0.013	0.886	1.36E-08	-0.002	0.004	0.618	0.001	32.243	TRUE	1.17E-07
FVC	YWHAB	rs73114746	T	C	-0.123	0.012	0.132	6.21E-25	-0.008	0.004	0.058	0.003	106.334	TRUE	9.51E-21
FVC	YWHAB	rs73911123	A	G	-0.183	0.032	0.015	1.69E-08	-0.018	0.011	0.103	0.001	31.822	TRUE	7.87E-07
FEV1	ARSB	rs10454897	T	C	-0.051	0.008	0.471	7.75E-11	0.007	0.002	0.003	0.001	42.317	TRUE	6.25E-08
FEV1	ARSB	rs113715862	C	T	0.143	0.023	0.030	3.13E-10	-0.013	0.007	0.048	0.001	39.591	TRUE	4.72E-08
FEV1	ARSB	rs11743362	A	G	-0.129	0.008	0.495	5.37E-62	0.009	0.002	2.78E-04	0.008	276.064	TRUE	4.56E-50
FEV1	ARSB	rs2431330	G	A	-0.048	0.008	0.535	8.50E-10	0.005	0.002	0.044	0.001	37.639	TRUE	1.19E-07
FEV1	ARSB	rs338460	A	G	-0.053	0.008	0.523	1.19E-11	0.005	0.002	0.056	0.001	45.985	TRUE	2.50E-09
FEV1	ARSB	rs672413	G	A	-0.119	0.009	0.735	1.03E-40	0.002	0.003	0.463	0.005	178.485	TRUE	2.61E-36
FEV1	ARSB	rs7701762	T	G	0.135	0.021	0.036	9.62E-11	-0.005	0.007	0.494	0.001	41.896	TRUE	1.89E-09
FEV1	BDNF	rs10501089	T	C	0.163	0.016	0.071	6.10E-24	-0.013	0.006	0.026	0.003	101.807	TRUE	1.62E-19
FEV1	BDNF	rs28383487	T	G	-0.159	0.023	0.036	1.65E-12	0.013	0.010	0.218	0.001	49.854	TRUE	1.41E-10
FEV1	BDNF	rs10501089	T	C	0.129	0.016	0.071	3.45E-16	-0.013	0.006	0.026	0.002	66.523	TRUE	6.71E-13
FEV1	BDNF	rs28383487	T	G	-0.132	0.022	0.036	2.76E-09	0.013	0.010	0.218	0.001	35.343	TRUE	8.95E-08
FEV1	CBL	rs112233726	A	G	0.117	0.016	0.063	1.22E-12	-0.005	0.006	0.413	0.001	50.459	TRUE	4.86E-11
FEV1	CBL	rs1131467	C	T	-0.066	0.010	0.788	7.18E-12	0.003	0.003	0.422	0.001	46.976	TRUE	2.35E-10
FEV1	CBL	rs2509671	A	C	0.088	0.009	0.311	2.62E-24	-0.007	0.003	0.008	0.003	103.478	TRUE	2.33E-19
FEV1	CBL	rs35929108	A	G	-0.096	0.015	0.074	4.21E-10	-0.010	0.005	0.024	0.001	39.012	TRUE	9.05E-08
FEV1	CBL	rs45495892	T	A	-0.222	0.040	0.010	2.74E-08	-0.012	0.010	0.260	0.001	30.882	TRUE	5.65E-07
FEV1	CBL	rs626776	G	C	-0.075	0.008	0.659	3.56E-19	-0.003	0.003	0.301	0.002	80.096	TRUE	1.27E-16
FEV1	CBL	rs71484135	T	C	-0.080	0.013	0.107	7.03E-10	0.005	0.004	0.236	0.001	38.011	TRUE	2.56E-08
FEV1	CBL	rs73564493	A	G	-0.254	0.018	0.051	4.73E-44	0.010	0.005	0.037	0.005	193.781	TRUE	3.63E-37
FEV1	CD14	rs10515510	C	G	-0.176	0.016	0.071	2.10E-28	-0.009	0.006	0.108	0.003	122.182	TRUE	4.17E-24
FEV1	CD14	rs1089304	G	T	0.133	0.010	0.199	3.15E-38	-0.003	0.003	0.299	0.005	167.107	TRUE	1.30E-33
FEV1	CD14	rs114433024	A	G	-0.149	0.024	0.030	7.63E-10	0.001	0.009	0.914	0.001	37.850	TRUE	4.49E-09
FEV1	CD14	rs116466727	C	G	0.127	0.021	0.039	1.34E-09	0.002	0.007	0.733	0.001	36.751	TRUE	1.12E-08
FEV1	CD14	rs116728346	C	T	-0.096	0.016	0.069	3.41E-09	0.011	0.006	0.070	0.001	34.934	TRUE	2.66E-07
FEV1	CD14	rs11746363	A	G	0.089	0.011	0.155	6.29E-15	0.007	0.003	0.016	0.002	60.804	TRUE	1.13E-11
FEV1	CD14	rs12163954	G	A	0.076	0.014	0.102	4.40E-08	-0.002	0.004	0.722	0.001	29.961	TRUE	2.73E-07
FEV1	CD14	rs139907207	G	A	-0.162	0.023	0.032	5.14E-12	0.011	0.009	0.262	0.001	47.631	TRUE	3.11E-10
FEV1	CD14	rs148099171	A	G	0.263	0.021	0.039	1.03E-35	-0.001	0.008	0.903	0.004	155.596	TRUE	1.02E-32
FEV1	CD14	rs151194218	T	C	-0.174	0.026	0.025	2.32E-11	-0.009	0.011	0.391	0.001	44.681	TRUE	7.25E-10
FEV1	CD14	rs155806	G	A	0.080	0.012	0.132	5.76E-11	0.001	0.004	0.738	0.001	42.896	TRUE	6.41E-10

FEV1	CD14	rs17119351	G	A	0.122	0.015	0.075	2.91E-15	0.004	0.005	0.433	0.002	62.320	TRUE	2.19E-13
FEV1	CD14	rs17648271	C	T	0.089	0.014	0.096	2.05E-10	-0.004	0.005	0.349	0.001	40.416	TRUE	5.74E-09
FEV1	CD14	rs183869	T	C	-0.073	0.011	0.180	9.90E-12	-0.007	0.003	0.017	0.001	46.347	TRUE	5.20E-09
FEV1	CD14	rs192900523	A	G	0.127	0.018	0.053	4.15E-12	-0.008	0.008	0.331	0.001	48.050	TRUE	1.98E-10
FEV1	CD14	rs2060296	A	G	-0.061	0.008	0.499	1.60E-13	-0.002	0.002	0.460	0.002	54.445	TRUE	7.13E-12
FEV1	CD14	rs2336977	G	A	-0.069	0.010	0.793	1.81E-11	-0.005	0.003	0.076	0.001	45.168	TRUE	2.82E-09
FEV1	CD14	rs2907302	A	G	0.075	0.009	0.308	2.85E-17	-0.004	0.002	0.072	0.002	71.444	TRUE	3.63E-14
FEV1	CD14	rs31872	A	G	0.104	0.008	0.581	3.92E-36	0.010	0.002	1.79E-05	0.004	157.524	TRUE	3.27E-27
FEV1	CD14	rs3777106	C	T	0.088	0.012	0.137	4.45E-13	-0.007	0.003	0.027	0.001	52.431	TRUE	2.87E-10
FEV1	CD14	rs4912936	A	G	-0.062	0.009	0.258	3.56E-11	0.001	0.003	0.656	0.001	43.842	TRUE	5.10E-10
FEV1	CD14	rs56958517	A	G	-0.070	0.011	0.186	3.20E-11	-0.004	0.003	0.154	0.001	44.049	TRUE	2.63E-09
FEV1	CD14	rs5744454	G	T	-0.239	0.009	0.307	3.69E-161	-0.013	0.003	1.07E-06	0.020	731.728	TRUE	1.13E-131
FEV1	CD14	rs702401	T	C	-0.184	0.019	0.054	6.72E-23	-0.013	0.007	0.048	0.003	97.057	TRUE	7.34E-19
FEV1	CD14	rs72798864	A	T	-0.178	0.024	0.030	3.29E-13	-0.016	0.009	0.065	0.001	53.025	TRUE	1.11E-10
FEV1	CD14	rs75147433	A	T	-0.314	0.044	0.009	7.56E-13	-0.012	0.010	0.224	0.001	51.390	TRUE	6.92E-11
FEV1	CD14	rs75882576	C	T	-0.234	0.030	0.019	6.61E-15	-0.007	0.010	0.494	0.002	60.708	TRUE	3.61E-13
FEV1	CD14	rs76054533	G	C	-0.144	0.017	0.063	3.57E-18	-0.010	0.007	0.135	0.002	75.542	TRUE	2.84E-15
FEV1	CD14	rs76148587	T	C	0.246	0.013	0.116	5.40E-82	0.007	0.004	0.068	0.010	367.865	TRUE	3.62E-71
FEV1	CD14	rs7723119	A	G	-0.079	0.009	0.686	3.22E-19	-0.009	0.003	6.88E-04	0.002	80.292	TRUE	2.69E-14
FEV1	CD14	rs77819967	G	A	-0.185	0.034	0.016	3.65E-08	0.005	0.010	0.648	0.001	30.326	TRUE	2.65E-07
FEV1	CD14	rs78656209	A	G	0.115	0.019	0.049	1.88E-09	0.017	0.006	0.003	0.001	36.095	TRUE	9.12E-07
FEV1	CD14	rs79253359	G	C	-0.108	0.016	0.074	7.59E-12	-0.009	0.006	0.101	0.001	46.866	TRUE	1.13E-09
FEV1	CD14	rs80005413	A	G	0.185	0.022	0.037	1.03E-17	-0.007	0.007	0.309	0.002	73.458	TRUE	2.36E-15
FEV1	CD14	rs1089304	G	T	0.100	0.010	0.199	7.73E-23	-0.003	0.003	0.299	0.003	96.780	TRUE	7.00E-20
FEV1	CD14	rs11746363	A	G	0.067	0.011	0.155	2.89E-09	0.007	0.003	0.016	0.001	35.255	TRUE	5.52E-07
FEV1	CD14	rs13166235	A	G	-0.118	0.013	0.107	4.53E-19	-0.004	0.005	0.406	0.002	79.617	TRUE	9.44E-17
FEV1	CD14	rs141074724	G	A	-0.103	0.012	0.124	4.15E-17	-0.011	0.004	0.010	0.002	70.699	TRUE	2.55E-13
FEV1	CD14	rs148099171	A	G	0.195	0.021	0.039	5.61E-21	-0.001	0.008	0.903	0.002	88.301	TRUE	3.01E-19
FEV1	CD14	rs155806	G	A	0.075	0.012	0.132	4.50E-10	0.001	0.004	0.738	0.001	38.883	TRUE	4.12E-09
FEV1	CD14	rs17119351	G	A	0.085	0.015	0.075	3.05E-08	0.004	0.005	0.433	0.001	30.677	TRUE	3.76E-07
FEV1	CD14	rs2060296	A	G	-0.050	0.008	0.499	9.81E-10	-0.002	0.002	0.460	0.001	37.360	TRUE	1.68E-08
FEV1	CD14	rs2336977	G	A	-0.059	0.010	0.793	5.06E-09	-0.005	0.003	0.076	0.001	34.165	TRUE	3.34E-07
FEV1	CD14	rs31872	A	G	0.089	0.008	0.581	2.57E-27	0.010	0.002	1.79E-05	0.003	117.216	TRUE	5.41E-20
FEV1	CD14	rs5744454	G	T	-0.190	0.009	0.307	1.07E-104	-0.013	0.003	1.07E-06	0.013	472.161	TRUE	1.69E-83
FEV1	CD14	rs702401	T	C	-0.121	0.018	0.054	4.51E-11	-0.013	0.007	0.048	0.001	43.376	TRUE	9.30E-09
FEV1	CD14	rs72798864	A	T	-0.133	0.024	0.030	3.99E-08	-0.016	0.009	0.065	0.001	30.151	TRUE	2.18E-06
FEV1	CD14	rs76054533	G	C	-0.109	0.016	0.063	3.06E-11	-0.010	0.007	0.135	0.001	44.134	TRUE	2.91E-09
FEV1	CD14	rs76148587	T	C	0.179	0.013	0.116	1.79E-45	0.007	0.004	0.068	0.006	200.290	TRUE	7.39E-39
FEV1	CD14	rs7723119	A	G	-0.054	0.009	0.686	7.99E-10	-0.009	0.003	6.88E-04	0.001	37.761	TRUE	8.81E-07
FEV1	CD14	rs78582690	A	G	-0.206	0.030	0.019	3.68E-12	-0.005	0.010	0.609	0.001	48.284	TRUE	7.49E-11
FEV1	CD14	rs78668600	G	A	-0.137	0.021	0.039	6.01E-11	-0.026	0.009	0.003	0.001	42.817	TRUE	6.22E-08
FEV1	CD14	rs78792314	A	G	-0.136	0.020	0.041	3.43E-11	-0.017	0.008	0.022	0.001	43.913	TRUE	1.21E-08

FEV1	CD14	rs80005413	A	G	0.142	0.021	0.037	2.44E-11	-0.007	0.007	0.309	0.001	44.579	TRUE	1.01E-09
FEV1	CLN5	rs12869198	T	A	-0.168	0.024	0.027	2.51E-12	-0.004	0.007	0.635	0.001	49.033	TRUE	4.97E-11
FEV1	CLN5	rs642394	T	C	0.053	0.008	0.671	3.37E-10	-0.004	0.003	0.104	0.001	39.448	TRUE	2.87E-08
FEV1	CLN5	rs700363	A	G	-0.172	0.014	0.090	3.61E-36	0.011	0.005	0.021	0.004	157.682	TRUE	5.72E-30
FEV1	COL2A1	rs10748462	G	A	0.054	0.008	0.666	1.68E-10	0.002	0.003	0.387	0.001	40.803	TRUE	4.10E-09
FEV1	COL2A1	rs10783218	A	G	-0.103	0.019	0.048	3.54E-08	-0.013	0.009	0.133	0.001	30.385	TRUE	1.23E-06
FEV1	COL2A1	rs111533205	T	C	-0.665	0.056	0.005	4.17E-32	0.006	0.018	0.737	0.004	139.101	TRUE	4.16E-29
FEV1	COL2A1	rs11168223	C	T	0.112	0.011	0.152	6.53E-24	0.011	0.004	0.001	0.003	101.673	TRUE	2.25E-18
FEV1	COL2A1	rs11168255	T	C	-0.130	0.023	0.034	1.54E-08	0.013	0.010	0.195	0.001	31.998	TRUE	4.44E-07
FEV1	COL2A1	rs11168275	C	T	-0.055	0.009	0.240	5.40E-09	0.008	0.003	0.008	0.001	34.039	TRUE	1.40E-06
FEV1	COL2A1	rs11168643	A	G	-0.173	0.018	0.051	1.71E-21	0.009	0.005	0.090	0.003	90.650	TRUE	5.78E-18
FEV1	COL2A1	rs11168644	C	T	-0.419	0.017	0.061	6.58E-142	-0.003	0.006	0.635	0.018	643.209	TRUE	2.72E-128
FEV1	COL2A1	rs11183701	T	C	-0.172	0.026	0.024	3.11E-11	0.015	0.009	0.090	0.001	44.102	TRUE	4.16E-09
FEV1	COL2A1	rs11183780	C	G	0.222	0.034	0.014	6.06E-11	-0.001	0.012	0.918	0.001	42.797	TRUE	4.45E-10
FEV1	COL2A1	rs11574005	T	C	-0.255	0.027	0.024	1.64E-21	0.003	0.008	0.698	0.003	90.736	TRUE	1.96E-19
FEV1	COL2A1	rs11574024	T	G	-0.287	0.014	0.087	1.05E-93	0.002	0.004	0.663	0.012	421.653	TRUE	8.34E-85
FEV1	COL2A1	rs11574042	G	C	0.097	0.015	0.072	3.27E-10	0.004	0.005	0.440	0.001	39.504	TRUE	6.64E-09
FEV1	COL2A1	rs11574049	G	A	-0.218	0.021	0.036	2.18E-24	-0.019	0.008	0.014	0.003	103.843	TRUE	1.31E-19
FEV1	COL2A1	rs11574052	T	C	-0.212	0.018	0.053	1.14E-31	-0.003	0.006	0.674	0.004	137.113	TRUE	1.38E-28
FEV1	COL2A1	rs116875637	G	A	0.197	0.024	0.029	8.77E-17	0.021	0.009	0.016	0.002	69.225	TRUE	3.31E-13
FEV1	COL2A1	rs116980141	T	C	-0.343	0.048	0.007	7.88E-13	-0.003	0.010	0.718	0.001	51.309	TRUE	1.38E-11
FEV1	COL2A1	rs116982128	A	G	-0.211	0.024	0.029	1.62E-18	-0.001	0.008	0.953	0.002	77.105	TRUE	4.72E-17
FEV1	COL2A1	rs117100618	G	A	-0.695	0.022	0.032	1.60E-218	-0.014	0.011	0.205	0.027	995.575	TRUE	2.55E-194
FEV1	COL2A1	rs117307647	G	A	-0.102	0.014	0.088	2.84E-13	0.000	0.004	0.956	0.001	53.312	TRUE	2.91E-12
FEV1	COL2A1	rs117328080	T	C	0.251	0.012	0.120	6.17E-94	-0.006	0.004	0.136	0.012	422.721	TRUE	1.86E-82
FEV1	COL2A1	rs117379012	A	G	0.219	0.036	0.013	9.38E-10	-0.003	0.009	0.707	0.001	37.449	TRUE	8.54E-09
FEV1	COL2A1	rs117745959	C	T	0.204	0.021	0.039	1.96E-22	-0.003	0.008	0.668	0.003	94.942	TRUE	3.23E-20
FEV1	COL2A1	rs118006188	T	C	0.172	0.020	0.040	6.10E-18	-0.005	0.007	0.444	0.002	74.486	TRUE	8.41E-16
FEV1	COL2A1	rs12299449	A	G	0.067	0.008	0.358	6.04E-16	0.002	0.003	0.340	0.002	65.421	TRUE	7.75E-14
FEV1	COL2A1	rs12423250	T	C	-0.426	0.007	0.172	1.00E-200	0.001	0.003	0.658	0.085	3313.178	TRUE	1.00E-200
FEV1	COL2A1	rs12578229	G	T	-0.128	0.020	0.038	3.28E-10	0.007	0.006	0.183	0.001	39.499	TRUE	1.66E-08
FEV1	COL2A1	rs12721364	A	G	-0.158	0.011	0.151	4.21E-46	0.002	0.003	0.593	0.006	203.179	TRUE	1.77E-41
FEV1	COL2A1	rs12811832	A	G	0.328	0.006	0.407	1.00E-200	0.004	0.002	0.088	0.087	3384.184	TRUE	1.00E-200
FEV1	COL2A1	rs12813703	C	G	0.103	0.017	0.064	5.13E-10	0.002	0.004	0.609	0.001	38.624	TRUE	6.18E-09
FEV1	COL2A1	rs12819763	A	C	-0.152	0.016	0.065	8.86E-21	0.008	0.005	0.110	0.002	87.396	TRUE	1.99E-17
FEV1	COL2A1	rs12829842	G	C	-0.092	0.009	0.286	4.79E-25	-0.003	0.003	0.274	0.003	106.848	TRUE	8.48E-22
FEV1	COL2A1	rs138126224	T	G	-0.231	0.030	0.019	6.27E-15	-0.007	0.009	0.400	0.002	60.812	TRUE	4.77E-13
FEV1	COL2A1	rs138284922	C	T	-0.336	0.029	0.018	2.86E-30	0.001	0.009	0.892	0.004	130.708	TRUE	1.03E-27
FEV1	COL2A1	rs138403579	C	T	-0.186	0.016	0.064	2.76E-30	0.006	0.005	0.263	0.004	130.776	TRUE	2.08E-26
FEV1	COL2A1	rs138436623	C	A	-0.241	0.028	0.020	1.66E-17	0.006	0.008	0.446	0.002	72.507	TRUE	2.02E-15
FEV1	COL2A1	rs138644715	G	C	-0.164	0.026	0.024	2.87E-10	0.003	0.008	0.691	0.001	39.762	TRUE	3.09E-09
FEV1	COL2A1	rs139804130	G	A	0.202	0.033	0.015	5.83E-10	0.009	0.009	0.355	0.001	38.376	TRUE	1.41E-08

FEV1	COL2A1	rs140494514	T	G	0.116	0.016	0.067	6.79E-13	-0.004	0.005	0.413	0.001	51.601	TRUE	2.93E-11
FEV1	COL2A1	rs141119327	A	G	-0.699	0.052	0.006	1.95E-40	-0.007	0.012	0.548	0.005	177.219	TRUE	2.88E-36
FEV1	COL2A1	rs141259196	G	A	-0.291	0.031	0.017	2.02E-21	0.009	0.008	0.246	0.003	90.323	TRUE	1.76E-18
FEV1	COL2A1	rs141290737	A	G	0.350	0.038	0.011	2.04E-20	-0.005	0.014	0.748	0.002	85.748	TRUE	1.66E-18
FEV1	COL2A1	rs142273518	T	G	-0.485	0.028	0.019	4.63E-65	-0.003	0.010	0.766	0.008	290.126	TRUE	3.84E-59
FEV1	COL2A1	rs142582257	C	A	-0.546	0.026	0.022	7.38E-96	-0.010	0.009	0.278	0.012	431.552	TRUE	3.60E-85
FEV1	COL2A1	rs143575891	C	T	0.170	0.031	0.016	3.97E-08	-0.008	0.009	0.373	0.001	30.161	TRUE	5.45E-07
FEV1	COL2A1	rs144111200	T	C	-0.255	0.017	0.057	1.67E-50	0.003	0.006	0.607	0.006	223.349	TRUE	1.59E-45
FEV1	COL2A1	rs144245946	G	A	0.190	0.033	0.014	1.09E-08	0.014	0.010	0.168	0.001	32.674	TRUE	3.71E-07
FEV1	COL2A1	rs145117958	C	G	0.319	0.047	0.008	8.76E-12	-0.003	0.015	0.835	0.001	46.585	TRUE	9.13E-11
FEV1	COL2A1	rs145827644	T	C	0.062	0.008	0.346	1.36E-13	0.001	0.003	0.816	0.002	54.761	TRUE	2.20E-12
FEV1	COL2A1	rs146326038	A	G	0.131	0.021	0.038	2.36E-10	0.000	0.008	0.961	0.001	40.139	TRUE	1.39E-09
FEV1	COL2A1	rs146650182	A	G	0.229	0.034	0.014	1.07E-11	0.004	0.014	0.767	0.001	46.188	TRUE	1.31E-10
FEV1	COL2A1	rs148483784	A	G	0.276	0.034	0.015	1.97E-16	-0.011	0.008	0.155	0.002	67.630	TRUE	7.82E-14
FEV1	COL2A1	rs148620323	T	C	-0.209	0.033	0.015	3.25E-10	0.011	0.012	0.340	0.001	39.514	TRUE	8.84E-09
FEV1	COL2A1	rs148744450	C	T	-0.321	0.028	0.019	1.69E-29	0.010	0.010	0.329	0.004	127.181	TRUE	6.91E-26
FEV1	COL2A1	rs1489107	A	G	0.224	0.019	0.045	5.43E-31	0.006	0.007	0.335	0.004	134.006	TRUE	3.10E-27
FEV1	COL2A1	rs150917169	C	A	0.176	0.016	0.065	1.40E-27	0.012	0.008	0.142	0.003	118.413	TRUE	1.46E-23
FEV1	COL2A1	rs1541408	G	C	-0.595	0.010	0.082	1.00E-200	0.009	0.004	0.029	0.088	3412.912	TRUE	1.00E-200
FEV1	COL2A1	rs1642953	T	C	0.149	0.023	0.032	7.24E-11	0.000	0.007	0.986	0.001	42.451	TRUE	4.43E-10
FEV1	COL2A1	rs17123362	A	G	-0.102	0.016	0.069	1.88E-10	0.004	0.005	0.419	0.001	40.591	TRUE	4.33E-09
FEV1	COL2A1	rs17238458	T	C	0.151	0.021	0.039	3.06E-13	-0.008	0.008	0.272	0.001	53.167	TRUE	2.56E-11
FEV1	COL2A1	rs181651050	T	C	-0.253	0.041	0.010	4.16E-10	0.019	0.015	0.198	0.001	39.035	TRUE	1.92E-08
FEV1	COL2A1	rs182874430	A	T	-0.264	0.031	0.017	2.75E-17	-0.023	0.009	0.014	0.002	71.515	TRUE	1.32E-13
FEV1	COL2A1	rs184439167	G	C	0.187	0.024	0.027	2.38E-14	0.010	0.012	0.426	0.002	58.186	TRUE	1.42E-12
FEV1	COL2A1	rs184711667	A	G	-0.104	0.016	0.068	4.82E-11	-0.013	0.005	0.012	0.001	43.247	TRUE	2.32E-08
FEV1	COL2A1	rs187620946	T	C	0.318	0.025	0.026	5.37E-37	0.013	0.011	0.225	0.005	161.472	TRUE	3.09E-32
FEV1	COL2A1	rs192066826	A	G	0.246	0.030	0.018	2.67E-16	-0.014	0.008	0.088	0.002	67.032	TRUE	1.95E-13
FEV1	COL2A1	rs1990819	T	C	0.075	0.008	0.513	5.50E-21	0.003	0.002	0.230	0.002	88.338	TRUE	4.91E-18
FEV1	COL2A1	rs214730	T	C	-0.070	0.013	0.111	3.21E-08	-0.002	0.004	0.510	0.001	30.576	TRUE	3.26E-07
FEV1	COL2A1	rs215354	C	T	-0.071	0.012	0.868	3.64E-09	0.002	0.003	0.549	0.001	34.805	TRUE	4.18E-08
FEV1	COL2A1	rs2232566	G	A	-0.454	0.020	0.041	9.94E-111	0.003	0.005	0.487	0.014	499.882	TRUE	1.53E-99
FEV1	COL2A1	rs2239182	C	T	0.084	0.008	0.514	6.90E-26	-0.002	0.002	0.391	0.003	110.688	TRUE	8.48E-23
FEV1	COL2A1	rs2521976	T	G	-0.213	0.024	0.971	3.66E-19	0.005	0.007	0.523	0.002	80.042	TRUE	4.90E-17
FEV1	COL2A1	rs2544037	G	A	0.089	0.008	0.485	5.19E-29	0.006	0.002	0.008	0.004	124.955	TRUE	2.10E-23
FEV1	COL2A1	rs2544043	C	G	-0.141	0.015	0.920	4.63E-22	0.009	0.005	0.059	0.003	93.237	TRUE	3.10E-18
FEV1	COL2A1	rs2936549	A	G	-0.116	0.009	0.710	5.94E-40	-0.004	0.003	0.170	0.005	175.007	TRUE	1.12E-34
FEV1	COL2A1	rs34263278	T	C	0.075	0.009	0.263	1.98E-16	0.000	0.003	0.908	0.002	67.622	TRUE	4.33E-15
FEV1	COL2A1	rs34702987	G	A	0.240	0.017	0.058	5.52E-45	0.007	0.005	0.182	0.006	198.053	TRUE	3.87E-39
FEV1	COL2A1	rs3730064	A	G	0.135	0.015	0.080	4.87E-20	0.004	0.005	0.392	0.002	84.029	TRUE	1.34E-17
FEV1	COL2A1	rs3741619	A	G	-0.093	0.009	0.314	3.15E-27	0.001	0.003	0.642	0.003	116.809	TRUE	1.71E-24
FEV1	COL2A1	rs3759149	G	A	0.175	0.027	0.022	1.55E-10	-0.010	0.008	0.185	0.001	40.963	TRUE	8.86E-09

FEV1	COL2A1	rs3930023	G	A	0.092	0.008	0.484	8.22E-31	-0.002	0.002	0.316	0.004	133.183	TRUE	5.65E-27
FEV1	COL2A1	rs4604969	G	A	0.084	0.008	0.394	1.20E-24	0.000	0.002	0.977	0.003	105.027	TRUE	1.08E-22
FEV1	COL2A1	rs4760645	T	C	-0.368	0.044	0.008	5.48E-17	0.012	0.013	0.360	0.002	70.151	TRUE	8.30E-15
FEV1	COL2A1	rs4760650	T	G	-0.104	0.008	0.576	7.64E-38	-0.008	0.003	0.003	0.005	165.348	TRUE	1.70E-30
FEV1	COL2A1	rs4760706	A	G	0.221	0.008	0.605	1.70E-163	0.003	0.002	0.206	0.020	742.474	TRUE	4.26E-145
FEV1	COL2A1	rs4768793	C	G	0.079	0.010	0.797	1.03E-15	0.001	0.003	0.646	0.002	64.363	TRUE	4.41E-14
FEV1	COL2A1	rs535558770	T	C	0.319	0.028	0.022	6.82E-30	-0.012	0.012	0.298	0.004	128.981	TRUE	3.64E-26
FEV1	COL2A1	rs61751601	G	A	0.172	0.025	0.026	6.97E-12	0.012	0.010	0.218	0.001	47.033	TRUE	4.98E-10
FEV1	COL2A1	rs61941110	A	G	0.116	0.013	0.114	2.81E-20	0.004	0.004	0.335	0.002	85.112	TRUE	1.13E-17
FEV1	COL2A1	rs61942008	A	G	-0.056	0.009	0.303	2.01E-10	0.002	0.003	0.570	0.001	40.455	TRUE	3.13E-09
FEV1	COL2A1	rs61942168	C	T	0.225	0.023	0.030	3.37E-22	-0.013	0.008	0.105	0.003	93.866	TRUE	1.17E-18
FEV1	COL2A1	rs6580673	C	T	-0.178	0.014	0.908	2.83E-37	-0.002	0.004	0.564	0.005	162.747	TRUE	1.85E-33
FEV1	COL2A1	rs66774162	T	C	-0.109	0.013	0.104	1.59E-16	0.001	0.004	0.812	0.002	68.048	TRUE	4.60E-15
FEV1	COL2A1	rs7132668	T	C	0.247	0.012	0.867	1.21E-99	-0.007	0.003	0.035	0.012	448.952	TRUE	5.30E-86
FEV1	COL2A1	rs7136534	T	C	0.256	0.009	0.224	1.08E-163	-0.004	0.003	0.126	0.020	743.391	TRUE	1.57E-144
FEV1	COL2A1	rs72644833	T	C	-0.203	0.020	0.044	3.22E-25	0.009	0.007	0.175	0.003	107.637	TRUE	1.25E-21
FEV1	COL2A1	rs7299083	T	C	0.113	0.009	0.689	2.07E-39	0.007	0.003	0.008	0.005	172.521	TRUE	2.74E-32
FEV1	COL2A1	rs73103626	A	G	-0.091	0.016	0.068	7.08E-09	-0.005	0.004	0.232	0.001	33.509	TRUE	1.93E-07
FEV1	COL2A1	rs73104074	C	T	-0.607	0.041	0.011	2.11E-50	0.002	0.010	0.873	0.006	222.889	TRUE	4.68E-46
FEV1	COL2A1	rs73109829	A	G	0.139	0.021	0.038	2.49E-11	0.000	0.006	0.983	0.001	44.538	TRUE	1.66E-10
FEV1	COL2A1	rs73112225	G	A	-0.173	0.022	0.032	7.90E-15	-0.011	0.006	0.070	0.002	60.357	TRUE	4.36E-12
FEV1	COL2A1	rs74333416	G	A	-0.335	0.028	0.022	4.57E-34	-0.012	0.007	0.082	0.004	148.065	TRUE	6.47E-29
FEV1	COL2A1	rs74557864	A	G	-0.131	0.018	0.049	7.67E-13	-0.005	0.006	0.389	0.001	51.363	TRUE	3.61E-11
FEV1	COL2A1	rs74710913	A	G	0.241	0.034	0.014	6.58E-13	-0.006	0.010	0.518	0.001	51.664	TRUE	2.04E-11
FEV1	COL2A1	rs74917912	T	C	0.079	0.013	0.110	7.72E-10	0.004	0.004	0.306	0.001	37.827	TRUE	2.14E-08
FEV1	COL2A1	rs75281758	G	A	-0.591	0.010	0.082	1.00E-200	0.007	0.005	0.178	0.089	3482.797	TRUE	1.00E-200
FEV1	COL2A1	rs75387565	C	T	0.323	0.032	0.016	1.86E-24	-0.015	0.009	0.091	0.003	104.160	TRUE	1.53E-20
FEV1	COL2A1	rs75485589	T	C	0.131	0.012	0.114	9.44E-26	-0.005	0.004	0.252	0.003	110.069	TRUE	2.45E-22
FEV1	COL2A1	rs75543887	T	C	-0.223	0.032	0.015	5.21E-12	-0.011	0.008	0.127	0.001	47.604	TRUE	6.57E-10
FEV1	COL2A1	rs757344	C	T	-0.054	0.008	0.415	4.03E-11	-0.003	0.002	0.247	0.001	43.595	TRUE	1.92E-09
FEV1	COL2A1	rs76066893	A	G	0.127	0.017	0.059	5.42E-14	-0.002	0.006	0.671	0.002	56.567	TRUE	1.41E-12
FEV1	COL2A1	rs78004618	C	T	-0.409	0.019	0.046	9.26E-106	0.003	0.005	0.577	0.013	477.047	TRUE	2.03E-95
FEV1	COL2A1	rs78113681	T	A	0.257	0.015	0.076	3.34E-64	0.001	0.006	0.824	0.008	286.189	TRUE	1.70E-58
FEV1	COL2A1	rs78128982	T	C	-0.377	0.045	0.008	1.14E-16	0.010	0.011	0.353	0.002	68.704	TRUE	1.64E-14
FEV1	COL2A1	rs78662402	G	T	0.144	0.019	0.048	2.90E-14	0.012	0.005	0.017	0.002	57.797	TRUE	3.86E-11
FEV1	COL2A1	rs78982162	G	C	-0.127	0.017	0.059	2.52E-14	0.006	0.006	0.315	0.002	58.072	TRUE	2.38E-12
FEV1	COL2A1	rs79092274	T	C	0.120	0.017	0.060	1.05E-12	-0.002	0.005	0.753	0.001	50.748	TRUE	1.68E-11
FEV1	COL2A1	rs79288502	G	A	0.096	0.017	0.054	3.25E-08	-0.005	0.007	0.408	0.001	30.549	TRUE	4.22E-07
FEV1	COL2A1	rs7958910	T	A	0.045	0.008	0.402	3.83E-08	0.006	0.003	0.014	0.001	30.230	TRUE	4.85E-06
FEV1	COL2A1	rs7959970	G	A	-0.101	0.018	0.056	9.01E-09	-0.005	0.005	0.254	0.001	33.042	TRUE	2.24E-07
FEV1	COL2A1	rs7963939	A	G	-0.137	0.011	0.156	2.79E-36	-0.004	0.004	0.211	0.004	158.198	TRUE	1.38E-31
FEV1	COL2A1	rs855232	A	G	-0.048	0.008	0.362	5.61E-09	-0.004	0.002	0.106	0.001	33.963	TRUE	3.06E-07

FEV1	COL2A1	rs929270	T	C	-0.051	0.009	0.738	2.00E-08	0.001	0.003	0.832	0.001	31.494	TRUE	1.09E-07
FEV1	CTSE	rs11240496	T	C	0.055	0.009	0.501	9.67E-11	0.004	0.002	0.116	0.001	41.884	TRUE	8.39E-09
FEV1	CTSE	rs113616691	A	G	-0.229	0.031	0.018	2.04E-13	-0.005	0.008	0.537	0.002	53.960	TRUE	6.77E-12
FEV1	CTSE	rs114794039	A	G	-0.221	0.038	0.013	4.50E-09	-0.015	0.008	0.055	0.001	34.395	TRUE	3.97E-07
FEV1	CTSE	rs115771567	A	G	-0.324	0.057	0.006	1.19E-08	0.006	0.011	0.585	0.001	32.500	TRUE	1.13E-07
FEV1	CTSE	rs11811181	A	G	0.068	0.011	0.209	1.44E-10	-0.004	0.003	0.139	0.001	41.105	TRUE	1.10E-08
FEV1	CTSE	rs12723923	G	A	-0.105	0.017	0.065	1.62E-09	-0.002	0.005	0.704	0.001	36.382	TRUE	1.43E-08
FEV1	CTSE	rs143715179	T	C	0.099	0.009	0.286	8.17E-26	-0.002	0.003	0.420	0.003	110.353	TRUE	8.10E-23
FEV1	CTSE	rs145467392	A	G	-0.321	0.056	0.006	1.01E-08	-0.013	0.013	0.336	0.001	32.826	TRUE	1.84E-07
FEV1	CTSE	rs145971821	A	G	-0.421	0.057	0.006	1.39E-13	-0.018	0.013	0.145	0.002	54.721	TRUE	2.58E-11
FEV1	CTSE	rs28602536	A	G	-0.134	0.009	0.311	3.59E-48	-0.004	0.003	0.128	0.006	212.658	TRUE	1.27E-41
FEV1	CTSE	rs41297620	A	G	-0.276	0.036	0.015	7.59E-15	-0.010	0.008	0.205	0.002	60.435	TRUE	1.37E-12
FEV1	CTSE	rs55703016	A	G	-0.246	0.021	0.044	4.27E-32	0.001	0.005	0.791	0.004	139.053	TRUE	3.40E-29
FEV1	CTSE	rs561918278	C	T	-0.316	0.049	0.007	1.04E-10	-0.002	0.023	0.946	0.001	41.739	TRUE	6.83E-10
FEV1	CTSE	rs58493320	A	G	-0.485	0.010	0.146	1.00E-200	-0.004	0.003	0.177	0.065	2475.789	TRUE	1.00E-200
FEV1	CTSE	rs6669481	C	T	-0.124	0.016	0.078	5.52E-15	0.010	0.004	0.013	0.002	61.061	TRUE	1.18E-11
FEV1	CTSE	rs78283114	A	G	-0.262	0.047	0.008	1.96E-08	-0.018	0.009	0.036	0.001	31.530	TRUE	1.73E-06
FEV1	CTSE	rs79655590	A	G	-0.455	0.030	0.020	6.01E-52	-0.003	0.007	0.650	0.006	229.969	TRUE	6.18E-47
FEV1	ELANE	rs10409474	G	C	0.454	0.012	0.139	2.15E-291	-0.009	0.004	0.036	0.036	1330.856	TRUE	1.52E-255
FEV1	ELANE	rs10423512	G	A	-0.064	0.010	0.218	5.93E-10	-0.004	0.003	0.217	0.001	38.342	TRUE	2.46E-08
FEV1	ELANE	rs10469327	T	C	-0.254	0.017	0.929	3.21E-50	0.015	0.005	0.005	0.006	222.052	TRUE	2.95E-41
FEV1	ELANE	rs11549878	A	G	0.126	0.014	0.099	3.11E-18	0.002	0.005	0.734	0.002	75.812	TRUE	1.67E-16
FEV1	ELANE	rs11666067	A	C	0.049	0.009	0.570	1.94E-08	0.011	0.002	1.23E-05	0.001	31.553	TRUE	3.78E-05
FEV1	ELANE	rs11669180	A	G	0.173	0.018	0.063	1.24E-21	-0.003	0.006	0.642	0.003	91.281	TRUE	1.91E-19
FEV1	ELANE	rs116838401	T	C	0.132	0.023	0.037	6.74E-09	-0.014	0.007	0.042	0.001	33.607	TRUE	6.66E-07
FEV1	ELANE	rs116872704	T	C	0.185	0.032	0.018	6.54E-09	0.013	0.012	0.262	0.001	33.666	TRUE	1.63E-07
FEV1	ELANE	rs117231919	T	C	0.208	0.017	0.071	1.25E-33	0.002	0.006	0.784	0.004	146.060	TRUE	1.39E-30
FEV1	ELANE	rs117778730	G	T	0.204	0.020	0.050	2.64E-24	0.005	0.010	0.649	0.003	103.468	TRUE	7.04E-22
FEV1	ELANE	rs117821352	A	G	0.218	0.019	0.055	5.66E-30	-0.010	0.007	0.120	0.004	129.352	TRUE	1.56E-25
FEV1	ELANE	rs118130273	T	C	-0.205	0.032	0.019	1.11E-10	0.000	0.009	0.999	0.001	41.612	TRUE	6.39E-10
FEV1	ELANE	rs12461635	G	A	0.077	0.014	0.116	1.42E-08	0.001	0.004	0.816	0.001	32.161	TRUE	8.06E-08
FEV1	ELANE	rs12973917	T	C	-0.053	0.009	0.319	1.80E-08	0.001	0.003	0.651	0.001	31.694	TRUE	1.38E-07
FEV1	ELANE	rs12981177	C	T	-0.073	0.013	0.866	1.01E-08	0.000	0.003	0.947	0.001	32.826	TRUE	4.43E-08
FEV1	ELANE	rs141399595	T	C	0.314	0.019	0.057	2.36E-63	-0.004	0.006	0.532	0.008	282.291	TRUE	5.98E-57
FEV1	ELANE	rs141548740	G	A	0.128	0.019	0.059	5.21E-12	0.002	0.008	0.792	0.001	47.605	TRUE	6.33E-11
FEV1	ELANE	rs142499211	A	G	-0.183	0.027	0.026	1.28E-11	-0.006	0.008	0.430	0.001	45.847	TRUE	3.81E-10
FEV1	ELANE	rs142681305	C	T	0.120	0.019	0.057	2.53E-10	0.005	0.009	0.560	0.001	40.007	TRUE	3.75E-09
FEV1	ELANE	rs144153164	T	G	0.247	0.033	0.017	6.11E-14	-0.025	0.010	0.012	0.002	56.332	TRUE	9.39E-11
FEV1	ELANE	rs144928319	T	G	-0.165	0.018	0.059	4.37E-19	-0.006	0.005	0.168	0.002	79.688	TRUE	3.52E-16
FEV1	ELANE	rs147510499	G	C	0.344	0.045	0.009	1.65E-14	-0.024	0.014	0.091	0.002	58.907	TRUE	6.47E-12
FEV1	ELANE	rs148276867	T	C	0.121	0.019	0.056	2.32E-10	0.002	0.009	0.826	0.001	40.174	TRUE	1.86E-09
FEV1	ELANE	rs149074911	A	G	0.264	0.024	0.035	1.59E-28	-0.004	0.007	0.628	0.003	122.730	TRUE	1.17E-25

FEV1	ELANE	rs149078772	C	A	-0.129	0.022	0.039	6.59E-09	0.011	0.007	0.081	0.001	33.650	TRUE	4.16E-07
FEV1	ELANE	rs149993641	A	G	-0.093	0.011	0.179	1.22E-16	0.001	0.004	0.844	0.002	68.571	TRUE	3.38E-15
FEV1	ELANE	rs17604219	A	T	0.076	0.009	0.304	9.92E-16	-0.001	0.003	0.625	0.002	64.443	TRUE	4.26E-14
FEV1	ELANE	rs181485006	C	T	-0.173	0.030	0.022	7.58E-09	-0.019	0.010	0.044	0.001	33.378	TRUE	7.00E-07
FEV1	ELANE	rs192057249	A	G	0.197	0.028	0.025	2.68E-12	0.005	0.008	0.569	0.001	48.909	TRUE	6.25E-11
FEV1	ELANE	rs193077512	T	C	-0.188	0.031	0.019	2.07E-09	-0.010	0.009	0.251	0.001	35.907	TRUE	6.26E-08
FEV1	ELANE	rs2007647	A	G	-0.294	0.010	0.277	4.66E-208	0.000	0.003	0.964	0.026	947.435	TRUE	1.89E-189
FEV1	ELANE	rs2062422	A	G	0.073	0.010	0.278	6.94E-14	0.001	0.003	0.718	0.002	56.083	TRUE	1.59E-12
FEV1	ELANE	rs2301758	G	C	0.060	0.010	0.247	4.24E-09	0.003	0.003	0.285	0.001	34.510	TRUE	1.02E-07
FEV1	ELANE	rs2306718	A	G	0.073	0.010	0.251	3.93E-13	-0.003	0.003	0.337	0.001	52.675	TRUE	2.42E-11
FEV1	ELANE	rs34593562	G	A	-0.064	0.009	0.402	8.99E-13	0.001	0.002	0.592	0.001	51.050	TRUE	2.33E-11
FEV1	ELANE	rs350150	A	G	-0.101	0.009	0.685	3.76E-27	-0.005	0.003	0.077	0.003	116.456	TRUE	8.52E-23
FEV1	ELANE	rs351103	G	A	-0.143	0.009	0.341	6.17E-55	0.003	0.003	0.182	0.007	243.675	TRUE	5.53E-48
FEV1	ELANE	rs351984	C	T	-0.219	0.017	0.932	1.70E-36	-0.012	0.007	0.102	0.004	159.187	TRUE	3.41E-31
FEV1	ELANE	rs351991	A	G	0.083	0.012	0.159	3.64E-12	0.002	0.003	0.614	0.001	48.309	TRUE	7.20E-11
FEV1	ELANE	rs35414347	T	G	-0.056	0.010	0.244	4.66E-08	0.000	0.003	0.974	0.001	29.854	TRUE	1.75E-07
FEV1	ELANE	rs35646539	T	C	0.131	0.013	0.129	3.85E-24	-0.005	0.005	0.307	0.003	102.720	TRUE	4.69E-21
FEV1	ELANE	rs3746172	C	A	-0.090	0.014	0.105	3.16E-10	0.002	0.004	0.594	0.001	39.570	TRUE	4.17E-09
FEV1	ELANE	rs3795063	G	C	0.066	0.009	0.380	2.12E-13	0.002	0.003	0.384	0.002	53.884	TRUE	1.19E-11
FEV1	ELANE	rs4147911	G	C	0.120	0.016	0.077	9.77E-14	0.001	0.004	0.800	0.002	55.409	TRUE	1.64E-12
FEV1	ELANE	rs4147924	T	C	-0.059	0.009	0.678	2.51E-10	0.005	0.003	0.087	0.001	40.019	TRUE	2.48E-08
FEV1	ELANE	rs45477999	A	G	-0.224	0.039	0.013	1.16E-08	0.005	0.010	0.623	0.001	32.554	TRUE	9.98E-08
FEV1	ELANE	rs56234931	T	C	0.137	0.019	0.052	1.67E-12	-0.007	0.006	0.185	0.001	49.831	TRUE	1.72E-10
FEV1	ELANE	rs56236063	C	T	-0.245	0.026	0.028	1.33E-20	0.008	0.009	0.370	0.002	86.596	TRUE	4.79E-18
FEV1	ELANE	rs62134260	G	T	0.085	0.012	0.145	5.16E-12	-0.003	0.003	0.301	0.001	47.623	TRUE	2.66E-10
FEV1	ELANE	rs6510873	A	G	0.069	0.009	0.668	1.11E-13	-0.001	0.002	0.826	0.002	55.166	TRUE	1.71E-12
FEV1	ELANE	rs7247331	A	G	-0.095	0.009	0.363	7.93E-26	0.002	0.003	0.447	0.003	110.414	TRUE	7.03E-23
FEV1	ELANE	rs7257836	G	T	0.063	0.010	0.776	1.97E-09	0.001	0.003	0.691	0.001	36.002	TRUE	1.69E-08
FEV1	ELANE	rs7260167	C	T	-0.076	0.009	0.470	1.92E-18	0.006	0.002	0.013	0.002	76.771	TRUE	1.46E-14
FEV1	ELANE	rs72976216	A	T	-0.096	0.016	0.078	2.84E-09	-0.003	0.004	0.483	0.001	35.291	TRUE	4.00E-08
FEV1	ELANE	rs73919845	T	C	0.171	0.023	0.038	1.02E-13	-0.010	0.006	0.085	0.002	55.321	TRUE	3.36E-11
FEV1	ELANE	rs74520045	T	C	0.200	0.018	0.067	3.29E-30	0.010	0.007	0.157	0.004	130.426	TRUE	6.35E-26
FEV1	ELANE	rs74692002	T	C	-0.167	0.021	0.045	2.89E-15	0.000	0.006	0.970	0.002	62.339	TRUE	4.20E-14
FEV1	ELANE	rs78315645	A	G	-0.086	0.015	0.095	7.64E-09	-0.002	0.004	0.697	0.001	33.363	TRUE	5.91E-08
FEV1	ELANE	rs78914045	A	C	0.281	0.023	0.038	1.30E-34	-0.002	0.011	0.880	0.004	150.571	TRUE	1.15E-31
FEV1	ELANE	rs79295406	G	A	-0.217	0.017	0.075	2.53E-39	-0.005	0.005	0.341	0.005	172.124	TRUE	1.06E-34
FEV1	ELANE	rs79961820	G	A	0.359	0.019	0.054	9.01E-77	0.005	0.007	0.496	0.010	343.883	TRUE	6.49E-69
FEV1	ELANE	rs930232	A	G	0.063	0.009	0.453	5.31E-13	0.009	0.002	1.61E-04	0.001	52.085	TRUE	5.12E-09
FEV1	FER	rs115594202	G	T	0.115	0.019	0.051	7.90E-10	0.009	0.006	0.127	0.001	37.784	TRUE	4.93E-08
FEV1	FER	rs13178668	G	A	0.076	0.008	0.382	1.37E-19	0.005	0.002	0.035	0.002	81.976	TRUE	6.58E-16
FEV1	GFRAL	rs1032771	T	C	-0.082	0.012	0.873	1.19E-11	-0.008	0.004	0.018	0.001	45.992	TRUE	5.88E-09
FEV1	GFRAL	rs112080999	A	G	-0.046	0.008	0.370	2.74E-08	0.005	0.003	0.034	0.001	30.884	TRUE	2.24E-06

FEV1	GFRAL	rs112750526	C	T	-0.127	0.019	0.047	3.15E-11	0.011	0.006	0.066	0.001	44.080	TRUE	5.25E-09
FEV1	GFRAL	rs114262061	T	C	0.133	0.022	0.033	3.11E-09	-0.007	0.008	0.379	0.001	35.112	TRUE	5.83E-08
FEV1	GFRAL	rs114484318	T	G	-0.163	0.026	0.024	6.44E-10	0.013	0.008	0.120	0.001	38.180	TRUE	4.34E-08
FEV1	GFRAL	rs114729093	C	T	-0.174	0.031	0.018	1.84E-08	-0.001	0.011	0.934	0.001	31.658	TRUE	7.94E-08
FEV1	GFRAL	rs115120576	G	A	-0.173	0.029	0.021	1.71E-09	0.011	0.007	0.113	0.001	36.279	TRUE	1.03E-07
FEV1	GFRAL	rs115532759	T	A	0.146	0.024	0.030	7.80E-10	-0.006	0.008	0.433	0.001	37.806	TRUE	1.47E-08
FEV1	GFRAL	rs115697954	A	G	0.121	0.021	0.036	1.61E-08	0.017	0.007	0.017	0.001	31.913	TRUE	2.30E-06
FEV1	GFRAL	rs116625461	G	A	-0.162	0.024	0.029	1.12E-11	0.010	0.010	0.288	0.001	46.109	TRUE	5.55E-10
FEV1	GFRAL	rs12192987	G	T	-0.161	0.011	0.163	4.84E-50	-0.003	0.003	0.307	0.006	221.233	TRUE	3.44E-44
FEV1	GFRAL	rs12213867	C	T	0.099	0.008	0.398	3.32E-33	0.005	0.003	0.044	0.004	144.129	TRUE	7.66E-28
FEV1	GFRAL	rs12529201	T	C	-0.146	0.009	0.735	1.75E-57	0.000	0.003	0.902	0.007	255.365	TRUE	1.33E-52
FEV1	GFRAL	rs141081662	T	G	0.102	0.019	0.049	4.92E-08	0.009	0.006	0.142	0.001	29.748	TRUE	1.57E-06
FEV1	GFRAL	rs142892248	T	C	0.302	0.030	0.018	1.59E-23	0.005	0.015	0.770	0.003	99.909	TRUE	2.29E-21
FEV1	GFRAL	rs149056521	G	C	-0.106	0.018	0.055	2.01E-09	-0.005	0.006	0.399	0.001	35.960	TRUE	3.68E-08
FEV1	GFRAL	rs228137	G	A	0.071	0.011	0.151	2.72E-10	0.001	0.003	0.726	0.001	39.863	TRUE	2.66E-09
FEV1	GFRAL	rs228146	A	C	0.054	0.008	0.344	2.25E-10	0.001	0.002	0.693	0.001	40.234	TRUE	2.37E-09
FEV1	GFRAL	rs243815	C	T	-0.078	0.013	0.897	3.19E-09	-0.005	0.004	0.194	0.001	35.065	TRUE	1.17E-07
FEV1	GFRAL	rs35258907	T	C	-0.097	0.009	0.274	3.96E-27	-0.009	0.003	0.003	0.003	116.358	TRUE	2.95E-21
FEV1	GFRAL	rs368358023	T	C	-0.168	0.016	0.067	2.29E-25	0.016	0.004	1.72E-04	0.003	108.313	TRUE	6.20E-19
FEV1	GFRAL	rs3734444	G	A	-0.050	0.008	0.432	6.23E-10	-0.002	0.002	0.463	0.001	38.246	TRUE	1.05E-08
FEV1	GFRAL	rs3857612	A	G	0.079	0.009	0.668	2.33E-20	0.003	0.002	0.168	0.002	85.485	TRUE	2.58E-17
FEV1	GFRAL	rs528132710	C	T	-0.108	0.014	0.091	9.07E-15	-0.017	0.005	1.99E-04	0.002	60.085	TRUE	1.91E-10
FEV1	GFRAL	rs60761034	T	C	0.211	0.013	0.101	1.29E-55	-0.007	0.003	0.040	0.007	246.791	TRUE	2.54E-47
FEV1	GFRAL	rs6459150	G	A	-0.096	0.014	0.911	8.19E-12	0.000	0.004	0.973	0.001	46.716	TRUE	6.10E-11
FEV1	GFRAL	rs6903416	T	C	0.081	0.009	0.265	8.14E-19	0.003	0.003	0.287	0.002	78.462	TRUE	2.85E-16
FEV1	GFRAL	rs6922480	G	T	0.056	0.008	0.623	1.29E-11	-0.012	0.002	4.65E-07	0.001	45.822	TRUE	5.13E-07
FEV1	GFRAL	rs72872222	T	C	0.108	0.014	0.088	7.44E-14	0.002	0.004	0.596	0.002	55.944	TRUE	2.33E-12
FEV1	GFRAL	rs72954374	T	C	-0.165	0.023	0.032	4.86E-13	-0.010	0.009	0.273	0.001	52.256	TRUE	3.83E-11
FEV1	GFRAL	rs72988065	G	A	0.168	0.010	0.189	1.16E-60	0.006	0.003	0.044	0.008	269.943	TRUE	7.16E-52
FEV1	GFRAL	rs76786858	G	A	0.191	0.021	0.041	2.63E-20	-0.004	0.007	0.545	0.002	85.243	TRUE	4.27E-18
FEV1	GFRAL	rs78747268	T	C	-0.204	0.036	0.013	1.75E-08	-0.002	0.011	0.865	0.001	31.748	TRUE	8.74E-08
FEV1	GFRAL	rs79448240	G	C	-0.106	0.019	0.046	4.72E-08	-0.012	0.006	0.059	0.001	29.827	TRUE	2.69E-06
FEV1	GFRAL	rs9349776	C	T	-0.071	0.008	0.569	1.98E-18	-0.004	0.002	0.137	0.002	76.703	TRUE	1.79E-15
FEV1	GFRAL	rs9349784	A	C	-0.069	0.012	0.130	8.62E-09	0.000	0.003	0.957	0.001	33.128	TRUE	3.84E-08
FEV1	GSTP1	rs11227930	C	T	0.075	0.011	0.162	6.35E-12	-0.002	0.004	0.600	0.001	47.217	TRUE	1.25E-10
FEV1	GSTP1	rs12287978	A	G	-0.059	0.008	0.385	8.90E-13	-0.005	0.002	0.052	0.001	51.070	TRUE	3.49E-10
FEV1	GSTP1	rs1254123	C	T	-0.126	0.008	0.469	1.40E-56	-0.007	0.002	0.005	0.007	251.219	TRUE	8.71E-47
FEV1	GSTP1	rs1254125	A	G	-0.128	0.014	0.914	1.30E-19	0.000	0.005	0.931	0.002	82.081	TRUE	5.00E-18
FEV1	GSTP1	rs147293470	A	G	-0.056	0.009	0.285	3.81E-10	-0.001	0.003	0.697	0.001	39.208	TRUE	4.03E-09
FEV1	GSTP1	rs148013912	G	A	0.143	0.018	0.049	5.34E-15	-0.011	0.007	0.103	0.002	61.129	TRUE	2.20E-12
FEV1	GSTP1	rs4244818	C	T	0.097	0.011	0.175	7.48E-20	-0.003	0.003	0.342	0.002	83.179	TRUE	2.68E-17
FEV1	GSTP1	rs7118125	C	T	-0.065	0.008	0.563	1.16E-15	-0.001	0.002	0.617	0.002	64.141	TRUE	5.08E-14

FEV1	GSTP1	rs72934713	T	C	0.219	0.015	0.079	7.84E-49	-0.002	0.004	0.642	0.006	215.688	TRUE	4.31E-44
FEV1	GSTP1	rs79576315	T	C	-0.101	0.015	0.074	2.62E-11	-0.001	0.004	0.877	0.001	44.439	TRUE	2.29E-10
FEV1	GSTP1	rs8191445	A	G	-0.107	0.019	0.046	2.33E-08	-0.004	0.007	0.612	0.001	31.194	TRUE	1.92E-07
FEV1	GUSB	rs141454297	G	T	-0.305	0.022	0.037	1.42E-44	0.012	0.008	0.145	0.005	196.179	TRUE	1.33E-38
FEV1	GUSB	rs1799356	A	G	0.175	0.029	0.021	2.20E-09	-0.004	0.010	0.699	0.001	35.784	TRUE	1.91E-08
FEV1	GUSB	rs34356500	T	G	0.139	0.008	0.536	1.17E-64	-0.006	0.002	0.008	0.008	288.270	TRUE	5.86E-54
FEV1	GUSB	rs55755273	C	T	0.124	0.018	0.058	1.92E-12	-0.003	0.005	0.546	0.001	49.559	TRUE	4.88E-11
FEV1	GUSB	rs73143909	C	G	0.084	0.014	0.090	3.68E-09	-0.005	0.004	0.194	0.001	34.785	TRUE	1.28E-07
FEV1	HINT1	rs112241559	A	C	0.097	0.010	0.219	2.26E-23	0.007	0.003	0.012	0.003	99.211	TRUE	1.18E-18
FEV1	ICAM1	rs10406152	C	T	0.123	0.012	0.827	6.43E-23	0.002	0.003	0.414	0.003	97.143	TRUE	3.19E-20
FEV1	ICAM1	rs10409101	C	G	-0.452	0.013	0.153	4.91E-274	0.004	0.004	0.270	0.034	1250.977	TRUE	2.54E-244
FEV1	ICAM1	rs10411056	C	A	0.615	0.017	0.078	2.37E-281	0.007	0.004	0.088	0.035	1284.641	TRUE	2.14E-248
FEV1	ICAM1	rs10411233	C	G	-0.300	0.027	0.031	9.94E-29	-0.004	0.007	0.583	0.003	123.665	TRUE	9.08E-26
FEV1	ICAM1	rs10416073	C	A	-0.521	0.022	0.953	4.97E-128	-0.005	0.005	0.333	0.016	579.404	TRUE	2.51E-114
FEV1	ICAM1	rs10416139	T	C	0.197	0.010	0.300	8.06E-84	0.002	0.003	0.422	0.010	376.254	TRUE	4.64E-75
FEV1	ICAM1	rs10432313	G	A	0.284	0.025	0.038	7.67E-31	0.000	0.006	0.942	0.004	133.320	TRUE	2.51E-28
FEV1	ICAM1	rs11085530	G	A	-0.088	0.010	0.327	7.29E-19	-0.002	0.003	0.486	0.002	78.679	TRUE	1.02E-16
FEV1	ICAM1	rs111242631	A	G	0.136	0.012	0.194	9.39E-31	-0.004	0.003	0.130	0.004	132.916	TRUE	2.90E-26
FEV1	ICAM1	rs111279811	T	C	0.309	0.028	0.029	5.02E-28	-0.009	0.008	0.264	0.003	120.451	TRUE	2.15E-24
FEV1	ICAM1	rs111425704	T	C	0.436	0.028	0.029	9.68E-55	0.004	0.007	0.527	0.007	242.779	TRUE	3.83E-49
FEV1	ICAM1	rs111618907	T	C	-0.295	0.028	0.028	1.84E-26	-0.011	0.010	0.265	0.003	113.308	TRUE	5.15E-23
FEV1	ICAM1	rs111619143	C	A	-0.066	0.011	0.249	1.01E-09	0.001	0.003	0.844	0.001	37.302	TRUE	6.77E-09
FEV1	ICAM1	rs111980498	A	G	0.374	0.053	0.008	2.39E-12	0.005	0.008	0.552	0.001	49.133	TRUE	5.92E-11
FEV1	ICAM1	rs112607688	A	G	-0.502	0.031	0.022	2.09E-57	-0.012	0.009	0.189	0.007	255.009	TRUE	2.87E-50
FEV1	ICAM1	rs112679566	C	T	-0.142	0.013	0.164	1.08E-29	0.006	0.003	0.077	0.004	128.070	TRUE	5.07E-25
FEV1	ICAM1	rs113131294	C	G	-0.179	0.029	0.027	7.83E-10	-0.006	0.011	0.596	0.001	37.801	TRUE	9.52E-09
FEV1	ICAM1	rs113337445	A	G	0.432	0.034	0.018	1.58E-36	-0.001	0.009	0.874	0.004	159.334	TRUE	2.15E-33
FEV1	ICAM1	rs113845278	T	C	0.550	0.029	0.026	1.13E-80	-0.003	0.009	0.707	0.010	361.794	TRUE	3.76E-73
FEV1	ICAM1	rs114646860	T	C	-0.210	0.015	0.105	4.79E-43	-0.003	0.004	0.413	0.005	189.175	TRUE	2.76E-38
FEV1	ICAM1	rs11666263	G	A	0.385	0.006	0.329	1.00E-200	0.004	0.002	0.091	0.112	4489.167	TRUE	1.00E-200
FEV1	ICAM1	rs11666898	T	C	-0.145	0.010	0.305	5.48E-46	0.006	0.003	0.032	0.006	202.649	TRUE	8.85E-39
FEV1	ICAM1	rs11668554	G	A	-0.110	0.010	0.332	1.90E-28	-0.001	0.003	0.673	0.003	122.379	TRUE	1.13E-25
FEV1	ICAM1	rs11673542	C	T	-0.069	0.010	0.395	5.33E-13	-0.004	0.003	0.181	0.001	52.075	TRUE	6.92E-11
FEV1	ICAM1	rs116945180	G	T	0.525	0.021	0.051	5.19E-135	0.001	0.005	0.790	0.017	611.498	TRUE	1.12E-122
FEV1	ICAM1	rs117123413	C	T	0.355	0.043	0.012	1.27E-16	-0.004	0.012	0.724	0.002	68.500	TRUE	4.95E-15
FEV1	ICAM1	rs117246422	A	G	-0.233	0.033	0.020	1.11E-12	0.013	0.009	0.140	0.001	50.635	TRUE	1.63E-10
FEV1	ICAM1	rs117672823	T	C	-0.592	0.026	0.034	8.08E-119	-0.004	0.008	0.647	0.015	537.064	TRUE	1.75E-107
FEV1	ICAM1	rs117719127	T	C	0.402	0.037	0.016	1.29E-27	0.001	0.012	0.919	0.003	118.586	TRUE	2.46E-25
FEV1	ICAM1	rs117729886	A	G	0.223	0.026	0.033	2.11E-17	0.010	0.009	0.239	0.002	72.032	TRUE	6.55E-15
FEV1	ICAM1	rs117752662	G	C	-0.150	0.022	0.045	2.43E-11	0.011	0.006	0.082	0.001	44.584	TRUE	3.64E-09
FEV1	ICAM1	rs117815717	T	C	0.205	0.027	0.031	3.76E-14	0.009	0.008	0.243	0.002	57.288	TRUE	4.64E-12
FEV1	ICAM1	rs117986131	T	C	-0.460	0.033	0.021	1.12E-43	0.009	0.009	0.280	0.005	192.073	TRUE	2.05E-38

FEV1	ICAM1	rs118003100	T	C	-0.604	0.028	0.028	1.38E-104	0.003	0.010	0.788	0.013	471.650	TRUE	4.38E-95
FEV1	ICAM1	rs118167193	G	A	0.392	0.024	0.039	5.15E-60	0.003	0.006	0.588	0.007	266.969	TRUE	4.64E-54
FEV1	ICAM1	rs12610520	A	G	-0.225	0.012	0.201	3.61E-83	-0.005	0.003	0.100	0.010	373.263	TRUE	1.64E-72
FEV1	ICAM1	rs12720359	G	C	-0.425	0.031	0.022	4.67E-42	-0.004	0.006	0.498	0.005	184.644	TRUE	1.29E-37
FEV1	ICAM1	rs12971542	T	C	-0.116	0.018	0.070	1.97E-10	-0.001	0.004	0.829	0.001	40.498	TRUE	1.56E-09
FEV1	ICAM1	rs12973338	C	T	-0.106	0.014	0.874	6.24E-14	0.001	0.003	0.791	0.002	56.291	TRUE	1.16E-12
FEV1	ICAM1	rs12973986	G	A	0.068	0.011	0.233	1.01E-09	0.002	0.003	0.498	0.001	37.313	TRUE	1.52E-08
FEV1	ICAM1	rs12976203	A	T	-0.295	0.020	0.058	3.01E-50	-0.003	0.011	0.826	0.006	222.177	TRUE	8.33E-46
FEV1	ICAM1	rs12977159	C	T	-0.396	0.037	0.984	1.64E-26	0.042	0.015	0.007	0.003	113.534	TRUE	3.95E-21
FEV1	ICAM1	rs12978069	T	C	-0.169	0.017	0.081	2.37E-22	-0.006	0.005	0.214	0.003	94.558	TRUE	3.15E-19
FEV1	ICAM1	rs138890359	A	C	0.451	0.042	0.013	1.95E-26	-0.003	0.009	0.767	0.003	113.193	TRUE	5.22E-24
FEV1	ICAM1	rs139695121	C	G	-0.322	0.055	0.007	4.08E-09	-0.012	0.011	0.274	0.001	34.582	TRUE	1.03E-07
FEV1	ICAM1	rs140244778	T	C	-0.264	0.042	0.012	3.80E-10	-0.017	0.010	0.080	0.001	39.210	TRUE	3.76E-08
FEV1	ICAM1	rs140321423	G	C	0.291	0.041	0.013	1.82E-12	-0.005	0.010	0.641	0.001	49.668	TRUE	3.65E-11
FEV1	ICAM1	rs140539236	C	G	0.339	0.049	0.009	2.92E-12	0.010	0.013	0.422	0.001	48.742	TRUE	1.05E-10
FEV1	ICAM1	rs140672471	T	C	0.512	0.059	0.006	4.84E-18	0.004	0.016	0.783	0.002	74.941	TRUE	2.12E-16
FEV1	ICAM1	rs141038830	T	C	-0.295	0.040	0.013	2.98E-13	0.010	0.012	0.413	0.001	53.217	TRUE	1.43E-11
FEV1	ICAM1	rs141682135	T	C	-0.374	0.022	0.045	4.40E-63	-0.009	0.009	0.344	0.008	281.051	TRUE	4.67E-56
FEV1	ICAM1	rs141704615	G	A	-0.525	0.041	0.013	3.34E-37	-0.033	0.013	0.010	0.005	162.414	TRUE	1.93E-30
FEV1	ICAM1	rs142065510	T	C	0.372	0.039	0.014	1.96E-21	0.007	0.013	0.570	0.003	90.376	TRUE	3.75E-19
FEV1	ICAM1	rs143368517	T	C	-0.494	0.044	0.011	3.22E-29	0.013	0.010	0.203	0.004	125.899	TRUE	2.94E-25
FEV1	ICAM1	rs143587805	T	A	-0.568	0.044	0.011	1.37E-38	-0.016	0.011	0.153	0.005	168.766	TRUE	2.42E-33
FEV1	ICAM1	rs143756038	T	C	-0.603	0.032	0.021	2.36E-77	-0.002	0.010	0.870	0.010	346.557	TRUE	1.36E-70
FEV1	ICAM1	rs143966209	T	C	-0.404	0.026	0.032	3.50E-53	-0.017	0.008	0.051	0.007	235.634	TRUE	2.38E-45
FEV1	ICAM1	rs144062844	G	A	0.452	0.036	0.017	1.73E-36	-0.007	0.015	0.642	0.004	159.144	TRUE	6.79E-33
FEV1	ICAM1	rs144778381	G	C	0.220	0.031	0.023	2.70E-12	0.017	0.008	0.020	0.001	48.893	TRUE	1.57E-09
FEV1	ICAM1	rs144854414	T	C	-0.338	0.033	0.021	3.39E-24	0.010	0.008	0.220	0.003	102.971	TRUE	7.40E-21
FEV1	ICAM1	rs146171706	A	G	0.273	0.043	0.013	2.42E-10	-0.020	0.013	0.111	0.001	40.092	TRUE	2.01E-08
FEV1	ICAM1	rs146187364	C	T	-0.539	0.044	0.011	1.50E-34	-0.034	0.014	0.012	0.004	150.278	TRUE	2.99E-28
FEV1	ICAM1	rs146576912	T	C	0.158	0.021	0.050	8.54E-14	0.001	0.005	0.826	0.002	55.673	TRUE	1.39E-12
FEV1	ICAM1	rs147279753	A	G	-0.544	0.038	0.016	3.88E-47	-0.008	0.011	0.469	0.006	207.919	TRUE	4.09E-42
FEV1	ICAM1	rs147566958	T	C	-0.151	0.023	0.044	1.92E-11	-0.018	0.007	0.008	0.001	45.052	TRUE	1.41E-08
FEV1	ICAM1	rs147698368	C	T	-0.186	0.019	0.068	4.30E-23	0.012	0.005	0.017	0.003	97.939	TRUE	1.42E-18
FEV1	ICAM1	rs147831595	T	C	-0.334	0.030	0.024	2.46E-28	0.012	0.007	0.088	0.003	121.867	TRUE	6.39E-24
FEV1	ICAM1	rs147998393	G	A	-0.234	0.032	0.023	3.96E-13	-0.015	0.007	0.031	0.001	52.660	TRUE	2.37E-10
FEV1	ICAM1	rs148251570	G	T	0.511	0.026	0.035	1.80E-88	-0.003	0.007	0.708	0.011	397.614	TRUE	3.17E-80
FEV1	ICAM1	rs148688267	A	G	-0.572	0.053	0.008	1.18E-27	0.003	0.012	0.809	0.003	118.762	TRUE	3.47E-25
FEV1	ICAM1	rs149246641	T	C	0.580	0.050	0.009	3.01E-31	0.001	0.013	0.924	0.004	135.174	TRUE	1.16E-28
FEV1	ICAM1	rs149401337	C	T	0.260	0.018	0.074	3.36E-47	-0.002	0.004	0.668	0.006	208.210	TRUE	1.19E-42
FEV1	ICAM1	rs149964721	A	G	0.252	0.040	0.013	4.10E-10	-0.003	0.010	0.777	0.001	39.064	TRUE	3.51E-09
FEV1	ICAM1	rs150215085	G	A	0.579	0.052	0.008	1.82E-28	-0.003	0.015	0.857	0.003	122.462	TRUE	5.25E-26
FEV1	ICAM1	rs150380236	T	C	-0.446	0.042	0.012	8.66E-26	0.020	0.011	0.070	0.003	110.239	TRUE	1.48E-21

FEV1	ICAM1	rs150872995	A	G	0.453	0.037	0.016	4.84E-35	-0.006	0.011	0.599	0.004	152.525	TRUE	1.67E-31
FEV1	ICAM1	rs1529711	T	C	-0.216	0.012	0.199	2.93E-77	0.000	0.003	0.947	0.010	346.128	TRUE	9.70E-71
FEV1	ICAM1	rs17249001	A	G	-0.162	0.017	0.080	8.80E-21	0.008	0.004	0.065	0.002	87.410	TRUE	3.63E-17
FEV1	ICAM1	rs17852402	A	G	-0.675	0.008	0.119	1.00E-200	-0.007	0.003	0.052	0.159	6711.174	TRUE	1.00E-200
FEV1	ICAM1	rs1799969	A	G	-0.764	0.008	0.135	1.00E-200	-0.005	0.004	0.143	0.216	9821.122	TRUE	1.00E-200
FEV1	ICAM1	rs1812744	C	G	-0.075	0.010	0.711	3.98E-13	0.000	0.003	0.913	0.001	52.650	TRUE	4.60E-12
FEV1	ICAM1	rs188752134	C	A	0.661	0.034	0.019	1.57E-85	0.005	0.008	0.508	0.011	384.106	TRUE	6.94E-77
FEV1	ICAM1	rs188904931	A	G	-0.561	0.037	0.016	3.49E-51	-0.008	0.012	0.480	0.006	226.467	TRUE	8.71E-46
FEV1	ICAM1	rs190368496	A	G	-0.248	0.033	0.021	5.16E-14	0.021	0.013	0.099	0.002	56.663	TRUE	1.57E-11
FEV1	ICAM1	rs191720158	T	C	0.417	0.050	0.009	1.10E-16	-0.008	0.017	0.646	0.002	68.787	TRUE	5.54E-15
FEV1	ICAM1	rs191920595	A	G	0.192	0.026	0.032	1.94E-13	-0.001	0.007	0.910	0.002	54.059	TRUE	2.36E-12
FEV1	ICAM1	rs191965866	A	C	-0.433	0.049	0.010	4.42E-19	0.000	0.009	0.979	0.002	79.666	TRUE	1.30E-17
FEV1	ICAM1	rs192542025	A	G	0.241	0.040	0.014	1.45E-09	0.006	0.009	0.525	0.001	36.600	TRUE	1.95E-08
FEV1	ICAM1	rs193225208	C	T	0.411	0.040	0.014	5.23E-25	0.014	0.010	0.151	0.003	106.674	TRUE	2.50E-21
FEV1	ICAM1	rs1962352	G	A	-0.101	0.009	0.452	7.19E-27	0.002	0.002	0.445	0.003	115.172	TRUE	8.71E-24
FEV1	ICAM1	rs1985604	A	G	-0.128	0.014	0.119	1.20E-18	0.014	0.004	8.46E-05	0.002	77.702	TRUE	2.38E-13
FEV1	ICAM1	rs2059085	C	T	0.174	0.024	0.039	4.63E-13	0.008	0.007	0.279	0.001	52.354	TRUE	3.53E-11
FEV1	ICAM1	rs2278442	A	G	-0.431	0.006	0.694	1.00E-200	-0.007	0.002	0.008	0.134	5494.408	TRUE	1.00E-200
FEV1	ICAM1	rs2291473	C	T	-0.079	0.013	0.142	5.54E-09	-0.003	0.004	0.372	0.001	33.989	TRUE	9.71E-08
FEV1	ICAM1	rs2304237	C	T	-0.311	0.011	0.220	3.51E-169	-0.005	0.003	0.062	0.021	768.621	TRUE	2.19E-148
FEV1	ICAM1	rs2358581	G	T	-0.641	0.006	0.731	1.00E-200	0.003	0.003	0.318	0.251	11928.227	TRUE	1.00E-200
FEV1	ICAM1	rs2421198	T	C	0.233	0.010	0.296	1.12E-115	-0.006	0.003	0.039	0.014	522.632	TRUE	2.54E-100
FEV1	ICAM1	rs2569507	A	G	-0.116	0.009	0.576	5.92E-35	-0.011	0.002	3.25E-06	0.004	152.127	TRUE	8.46E-26
FEV1	ICAM1	rs28379440	G	C	0.073	0.011	0.250	2.10E-11	-0.004	0.003	0.189	0.001	44.877	TRUE	1.60E-09
FEV1	ICAM1	rs3093033	A	G	0.523	0.034	0.018	2.59E-52	0.002	0.012	0.863	0.006	231.647	TRUE	9.00E-48
FEV1	ICAM1	rs34249920	T	C	-0.137	0.013	0.167	1.06E-27	0.003	0.003	0.326	0.003	118.967	TRUE	2.96E-24
FEV1	ICAM1	rs34448858	A	G	-0.475	0.028	0.028	2.58E-65	-0.017	0.010	0.102	0.008	291.291	TRUE	1.13E-56
FEV1	ICAM1	rs34495400	T	C	0.500	0.046	0.011	2.64E-27	0.007	0.009	0.490	0.003	117.162	TRUE	2.71E-24
FEV1	ICAM1	rs34497180	C	T	-0.349	0.023	0.043	1.11E-52	0.003	0.008	0.697	0.007	233.331	TRUE	1.05E-47
FEV1	ICAM1	rs35193916	T	A	0.371	0.026	0.032	5.92E-46	0.016	0.007	0.013	0.006	202.496	TRUE	3.44E-38
FEV1	ICAM1	rs35616216	A	G	-0.259	0.017	0.086	4.89E-54	0.000	0.004	0.974	0.007	239.554	TRUE	1.28E-49
FEV1	ICAM1	rs36096247	T	G	0.390	0.032	0.022	1.44E-34	0.006	0.008	0.469	0.004	150.364	TRUE	8.72E-31
FEV1	ICAM1	rs3826786	C	T	-0.331	0.012	0.165	1.47E-154	-0.005	0.003	0.114	0.019	701.375	TRUE	2.82E-136
FEV1	ICAM1	rs41276880	A	G	-0.704	0.033	0.020	5.65E-98	0.023	0.010	0.020	0.012	441.271	TRUE	5.26E-84
FEV1	ICAM1	rs41306974	A	G	-0.137	0.025	0.036	4.54E-08	-0.007	0.010	0.471	0.001	29.903	TRUE	4.78E-07
FEV1	ICAM1	rs4416137	T	C	-0.338	0.036	0.017	1.12E-20	0.005	0.009	0.557	0.002	86.938	TRUE	1.88E-18
FEV1	ICAM1	rs4804510	A	G	-0.188	0.010	0.316	1.31E-79	-0.007	0.002	0.006	0.010	356.907	TRUE	7.04E-67
FEV1	ICAM1	rs560515319	T	C	-0.404	0.062	0.006	6.74E-11	-0.009	0.015	0.529	0.001	42.589	TRUE	1.26E-09
FEV1	ICAM1	rs56357614	T	G	0.480	0.045	0.011	1.18E-26	0.015	0.012	0.185	0.003	114.194	TRUE	6.36E-23
FEV1	ICAM1	rs57045073	G	A	-0.081	0.013	0.150	6.14E-10	0.005	0.004	0.192	0.001	38.274	TRUE	2.78E-08
FEV1	ICAM1	rs62105682	T	G	-0.103	0.014	0.129	1.50E-13	0.004	0.004	0.404	0.002	54.569	TRUE	8.02E-12
FEV1	ICAM1	rs62128752	C	A	-0.141	0.011	0.232	3.68E-38	-0.003	0.003	0.298	0.005	166.799	TRUE	1.50E-33

FEV1	ICAM1	rs62129135	C	G	0.173	0.018	0.074	2.88E-22	-0.001	0.006	0.808	0.003	94.178	TRUE	2.82E-20
FEV1	ICAM1	rs62130660	G	T	0.639	0.005	0.379	1.00E-200	0.005	0.002	0.058	0.286	14264.933	TRUE	1.00E-200
FEV1	ICAM1	rs6511432	T	C	-0.259	0.020	0.942	8.17E-38	-0.010	0.005	0.038	0.005	165.216	TRUE	1.02E-31
FEV1	ICAM1	rs6511611	T	C	0.277	0.011	0.220	4.27E-136	0.002	0.003	0.419	0.017	616.488	TRUE	4.15E-122
FEV1	ICAM1	rs66619076	T	G	0.082	0.011	0.222	3.91E-13	0.000	0.003	0.944	0.001	52.683	TRUE	4.10E-12
FEV1	ICAM1	rs7251453	A	G	-0.091	0.010	0.350	1.69E-20	0.001	0.003	0.847	0.002	86.118	TRUE	1.02E-18
FEV1	ICAM1	rs73007104	A	C	0.164	0.017	0.078	2.49E-21	-0.006	0.004	0.156	0.003	89.906	TRUE	4.05E-18
FEV1	ICAM1	rs73007136	C	T	0.178	0.028	0.028	3.74E-10	0.010	0.008	0.202	0.001	39.240	TRUE	1.77E-08
FEV1	ICAM1	rs73007599	T	C	0.185	0.014	0.137	1.72E-42	0.006	0.003	0.050	0.005	186.635	TRUE	5.28E-36
FEV1	ICAM1	rs73008130	G	A	-0.413	0.042	0.012	2.73E-22	0.022	0.011	0.053	0.003	94.278	TRUE	2.19E-18
FEV1	ICAM1	rs73011214	A	G	0.096	0.015	0.108	1.75E-10	0.002	0.004	0.665	0.001	40.723	TRUE	2.05E-09
FEV1	ICAM1	rs73015195	A	G	-0.438	0.042	0.013	1.03E-25	0.003	0.011	0.822	0.003	109.901	TRUE	1.91E-23
FEV1	ICAM1	rs73018077	T	C	0.055	0.009	0.464	5.51E-09	-0.001	0.002	0.844	0.001	33.999	TRUE	3.25E-08
FEV1	ICAM1	rs73019211	A	G	-0.394	0.064	0.005	7.43E-10	-0.010	0.012	0.434	0.001	37.902	TRUE	1.38E-08
FEV1	ICAM1	rs73508826	A	G	-0.104	0.014	0.136	3.09E-14	-0.009	0.004	0.015	0.002	57.671	TRUE	4.82E-11
FEV1	ICAM1	rs74675346	A	C	0.399	0.021	0.055	2.96E-82	-0.011	0.007	0.113	0.010	369.069	TRUE	7.31E-72
FEV1	ICAM1	rs75052170	T	C	-0.242	0.018	0.070	8.37E-40	-0.002	0.005	0.631	0.005	174.325	TRUE	7.22E-36
FEV1	ICAM1	rs75849345	T	C	0.279	0.042	0.013	1.89E-11	0.012	0.011	0.281	0.001	45.082	TRUE	9.08E-10
FEV1	ICAM1	rs76288880	G	A	-0.125	0.015	0.107	1.16E-16	0.002	0.004	0.658	0.002	68.676	TRUE	5.70E-15
FEV1	ICAM1	rs76617690	T	C	0.466	0.029	0.027	1.06E-57	-0.010	0.007	0.159	0.007	256.365	TRUE	2.30E-50
FEV1	ICAM1	rs76769505	T	C	0.396	0.041	0.013	9.43E-22	-0.004	0.013	0.747	0.003	91.829	TRUE	1.02E-19
FEV1	ICAM1	rs77259842	T	C	0.085	0.014	0.138	7.19E-10	-0.005	0.003	0.124	0.001	37.968	TRUE	4.58E-08
FEV1	ICAM1	rs77640628	A	C	-0.246	0.042	0.013	7.17E-09	0.010	0.009	0.282	0.001	33.487	TRUE	1.63E-07
FEV1	ICAM1	rs77719434	T	C	0.193	0.027	0.032	5.59E-13	0.000	0.006	0.979	0.001	51.984	TRUE	5.25E-12
FEV1	ICAM1	rs77877763	A	G	-0.284	0.035	0.018	2.28E-16	-0.006	0.010	0.567	0.002	67.344	TRUE	1.36E-14
FEV1	ICAM1	rs78374606	A	G	0.337	0.032	0.021	1.65E-25	-0.001	0.009	0.949	0.003	108.956	TRUE	1.89E-23
FEV1	ICAM1	rs78598082	T	C	-0.400	0.031	0.023	2.09E-37	-0.002	0.010	0.848	0.005	163.349	TRUE	3.82E-34
FEV1	ICAM1	rs78688793	A	G	0.552	0.029	0.027	1.42E-82	0.004	0.010	0.695	0.010	370.524	TRUE	7.87E-75
FEV1	ICAM1	rs79123312	A	G	0.144	0.015	0.106	3.59E-21	0.004	0.004	0.250	0.003	89.185	TRUE	2.76E-18
FEV1	ICAM1	rs79625961	T	G	0.208	0.015	0.109	6.60E-44	0.011	0.004	0.004	0.005	193.117	TRUE	8.12E-36
FEV1	ICAM1	rs80066865	G	C	0.452	0.020	0.055	9.66E-108	-0.003	0.005	0.619	0.013	486.153	TRUE	2.36E-97
FEV1	ICAM1	rs8107511	A	G	0.375	0.044	0.012	1.60E-17	0.016	0.012	0.169	0.002	72.578	TRUE	7.81E-15
FEV1	ICAM1	rs8107814	T	C	-0.247	0.017	0.086	1.82E-50	0.004	0.004	0.353	0.006	223.180	TRUE	9.16E-45
FEV1	ICAM1	rs885765	G	A	0.213	0.019	0.062	2.28E-28	-0.003	0.004	0.445	0.003	122.019	TRUE	3.69E-25
FEV1	ICAM1	rs892042	C	T	-0.285	0.017	0.078	4.78E-60	0.001	0.005	0.814	0.007	267.119	TRUE	1.08E-54
FEV1	IDUA	rs10016588	C	G	-0.072	0.012	0.154	7.29E-10	-0.001	0.003	0.879	0.001	37.938	TRUE	4.71E-09
FEV1	IDUA	rs1045458	A	G	0.276	0.043	0.009	1.92E-10	-0.014	0.010	0.146	0.001	40.547	TRUE	1.30E-08
FEV1	IDUA	rs113289555	T	G	0.357	0.007	0.260	1.00E-200	-0.004	0.003	0.152	0.071	2718.387	TRUE	1.00E-200
FEV1	IDUA	rs114003099	T	G	0.123	0.019	0.048	1.56E-10	0.002	0.005	0.742	0.001	40.946	TRUE	1.58E-09
FEV1	IDUA	rs115435541	A	G	-0.556	0.017	0.062	3.51E-236	0.016	0.005	0.003	0.029	1076.811	TRUE	2.36E-203
FEV1	IDUA	rs116303535	A	G	-0.302	0.026	0.025	3.61E-30	0.009	0.007	0.194	0.004	130.243	TRUE	4.47E-26
FEV1	IDUA	rs116739534	A	G	-0.199	0.022	0.037	1.27E-19	0.000	0.008	0.996	0.002	82.133	TRUE	3.90E-18

FEV1	IDUA	rs11724371	C	T	-0.112	0.010	0.781	4.77E-29	0.003	0.003	0.272	0.004	125.121	TRUE	2.56E-25
FEV1	IDUA	rs117750622	A	G	-0.503	0.035	0.014	8.71E-46	0.016	0.009	0.096	0.006	201.729	TRUE	2.46E-39
FEV1	IDUA	rs12641194	T	C	0.073	0.011	0.196	3.91E-12	-0.009	0.003	0.005	0.001	48.165	TRUE	5.04E-09
FEV1	IDUA	rs13136656	A	C	0.097	0.013	0.118	9.24E-14	-0.001	0.004	0.843	0.002	55.519	TRUE	1.46E-12
FEV1	IDUA	rs137986209	A	G	-0.138	0.025	0.030	2.23E-08	0.007	0.005	0.188	0.001	31.278	TRUE	6.37E-07
FEV1	IDUA	rs139096444	A	C	0.058	0.010	0.229	9.32E-09	0.000	0.003	0.972	0.001	32.977	TRUE	3.96E-08
FEV1	IDUA	rs139616585	T	C	0.190	0.033	0.017	5.86E-09	-0.013	0.009	0.171	0.001	33.878	TRUE	2.15E-07
FEV1	IDUA	rs142074439	G	T	0.204	0.031	0.020	2.71E-11	-0.012	0.009	0.213	0.001	44.371	TRUE	1.68E-09
FEV1	IDUA	rs142943203	T	C	-0.331	0.026	0.027	1.33E-37	0.004	0.012	0.758	0.005	164.247	TRUE	3.77E-34
FEV1	IDUA	rs143300170	A	G	0.421	0.033	0.016	2.85E-38	0.017	0.009	0.055	0.005	167.311	TRUE	2.60E-32
FEV1	IDUA	rs143330209	T	C	0.292	0.038	0.013	1.12E-14	-0.012	0.011	0.239	0.002	59.671	TRUE	1.63E-12
FEV1	IDUA	rs143621184	A	G	-0.264	0.035	0.015	1.84E-14	-0.027	0.012	0.021	0.002	58.690	TRUE	2.36E-11
FEV1	IDUA	rs143956184	T	C	0.277	0.041	0.011	2.03E-11	0.006	0.010	0.545	0.001	44.936	TRUE	4.12E-10
FEV1	IDUA	rs144793356	T	G	-0.470	0.041	0.011	8.96E-30	0.001	0.011	0.919	0.004	128.441	TRUE	2.63E-27
FEV1	IDUA	rs144935065	T	G	-0.338	0.041	0.010	1.14E-16	-0.005	0.010	0.659	0.002	68.714	TRUE	5.50E-15
FEV1	IDUA	rs145687487	A	G	-0.361	0.053	0.006	1.14E-11	-0.018	0.013	0.182	0.001	46.076	TRUE	9.29E-10
FEV1	IDUA	rs146113450	T	C	-0.543	0.027	0.025	7.69E-93	0.011	0.012	0.346	0.012	417.686	TRUE	8.14E-83
FEV1	IDUA	rs147250021	T	C	-0.359	0.025	0.027	9.91E-47	-0.015	0.008	0.065	0.006	206.056	TRUE	7.01E-40
FEV1	IDUA	rs147280206	A	G	0.176	0.032	0.018	4.17E-08	-0.004	0.011	0.756	0.001	30.066	TRUE	2.39E-07
FEV1	IDUA	rs147473864	G	A	0.337	0.027	0.025	6.91E-36	-0.002	0.010	0.854	0.004	156.395	TRUE	9.02E-33
FEV1	IDUA	rs148339463	T	C	0.259	0.034	0.016	1.96E-14	0.002	0.011	0.893	0.002	58.566	TRUE	3.00E-13
FEV1	IDUA	rs150351472	T	C	0.129	0.023	0.035	1.79E-08	0.011	0.007	0.133	0.001	31.708	TRUE	6.80E-07
FEV1	IDUA	rs150991238	T	C	0.302	0.030	0.019	1.39E-23	-0.024	0.011	0.035	0.003	100.175	TRUE	2.58E-19
FEV1	IDUA	rs17802159	A	G	-0.061	0.009	0.690	1.09E-11	0.009	0.003	8.22E-04	0.001	46.162	TRUE	2.63E-08
FEV1	IDUA	rs17802266	A	C	-0.277	0.009	0.260	2.17E-188	0.006	0.003	0.023	0.024	856.963	TRUE	5.03E-164
FEV1	IDUA	rs1814546	C	T	-0.177	0.011	0.813	5.07E-62	-0.002	0.003	0.523	0.008	276.181	TRUE	9.92E-56
FEV1	IDUA	rs184218564	T	C	0.225	0.027	0.025	2.03E-17	-0.011	0.010	0.268	0.002	72.116	TRUE	5.37E-15
FEV1	IDUA	rs188388416	A	G	-0.393	0.043	0.010	2.65E-20	0.000	0.010	0.966	0.002	85.227	TRUE	1.03E-18
FEV1	IDUA	rs189143145	T	G	-0.301	0.029	0.020	1.13E-24	0.003	0.010	0.804	0.003	105.151	TRUE	1.82E-22
FEV1	IDUA	rs201682298	T	C	0.811	0.026	0.025	1.12E-212	0.015	0.008	0.068	0.027	968.680	TRUE	4.24E-187
FEV1	IDUA	rs2290402	T	C	-0.284	0.012	0.137	6.56E-123	-0.002	0.003	0.602	0.015	555.863	TRUE	5.68E-111
FEV1	IDUA	rs28405340	C	T	-0.073	0.009	0.645	4.84E-17	-0.002	0.003	0.507	0.002	70.397	TRUE	4.25E-15
FEV1	IDUA	rs3135900	G	A	-0.187	0.021	0.041	4.75E-19	0.003	0.007	0.716	0.002	79.527	TRUE	3.26E-17
FEV1	IDUA	rs35254228	G	A	-0.072	0.008	0.523	1.17E-17	0.002	0.002	0.511	0.002	73.204	TRUE	1.19E-15
FEV1	IDUA	rs35333201	C	T	0.049	0.009	0.381	1.59E-08	-0.005	0.003	0.058	0.001	31.941	TRUE	1.07E-06
FEV1	IDUA	rs35728138	A	G	0.213	0.013	0.115	5.87E-60	0.004	0.004	0.312	0.007	266.710	TRUE	3.81E-53
FEV1	IDUA	rs3755930	C	T	0.120	0.010	0.229	4.09E-33	0.002	0.003	0.531	0.004	143.711	TRUE	1.30E-29
FEV1	IDUA	rs3775125	A	G	-0.087	0.012	0.147	9.99E-14	0.000	0.003	0.946	0.002	55.366	TRUE	1.14E-12
FEV1	IDUA	rs3806759	A	G	0.122	0.014	0.098	1.57E-18	-0.003	0.004	0.484	0.002	77.163	TRUE	2.12E-16
FEV1	IDUA	rs4312820	T	C	-0.075	0.009	0.384	5.39E-18	0.001	0.002	0.583	0.002	74.729	TRUE	4.42E-16
FEV1	IDUA	rs4371565	T	C	0.087	0.009	0.319	1.81E-22	-0.003	0.003	0.338	0.003	95.098	TRUE	1.23E-19
FEV1	IDUA	rs4441710	T	A	0.160	0.010	0.236	3.01E-60	-0.002	0.003	0.530	0.007	268.039	TRUE	4.06E-54

FEV1	IDUA	rs4690294	G	A	0.140	0.009	0.313	1.51E-54	-0.001	0.003	0.850	0.007	241.892	TRUE	9.30E-50
FEV1	IDUA	rs4690312	G	C	-0.151	0.016	0.079	1.73E-22	0.012	0.005	0.014	0.003	95.183	TRUE	5.48E-18
FEV1	IDUA	rs4865447	G	A	-0.087	0.009	0.362	9.78E-24	0.003	0.002	0.166	0.003	100.874	TRUE	3.09E-20
FEV1	IDUA	rs62286768	C	T	0.138	0.012	0.142	8.15E-31	-0.005	0.004	0.214	0.004	133.200	TRUE	1.06E-26
FEV1	IDUA	rs62294153	T	C	-0.134	0.013	0.106	1.25E-23	0.000	0.004	0.981	0.003	100.392	TRUE	8.84E-22
FEV1	IDUA	rs62296062	G	A	0.095	0.010	0.204	1.05E-19	0.001	0.003	0.716	0.002	82.511	TRUE	7.96E-18
FEV1	IDUA	rs6822461	G	A	0.103	0.013	0.111	9.08E-15	0.001	0.004	0.895	0.002	60.083	TRUE	1.52E-13
FEV1	IDUA	rs6824378	G	A	-0.083	0.011	0.176	3.01E-14	0.003	0.003	0.409	0.002	57.728	TRUE	1.95E-12
FEV1	IDUA	rs6833163	G	T	-0.100	0.012	0.128	1.36E-15	-0.001	0.003	0.885	0.002	63.824	TRUE	2.71E-14
FEV1	IDUA	rs6837180	G	A	-0.114	0.008	0.587	1.71E-41	0.001	0.003	0.842	0.005	182.062	TRUE	7.33E-38
FEV1	IDUA	rs6847965	T	C	-0.077	0.010	0.232	5.74E-15	0.002	0.003	0.477	0.002	60.987	TRUE	3.47E-13
FEV1	IDUA	rs72613113	T	C	0.197	0.031	0.018	2.60E-10	-0.013	0.013	0.300	0.001	39.950	TRUE	8.46E-09
FEV1	IDUA	rs73061846	A	G	0.294	0.026	0.026	1.28E-30	-0.003	0.005	0.635	0.004	132.298	TRUE	1.42E-27
FEV1	IDUA	rs73219286	C	T	-0.118	0.019	0.049	8.73E-10	0.005	0.006	0.428	0.001	37.587	TRUE	1.62E-08
FEV1	IDUA	rs74921869	A	G	0.227	0.011	0.160	1.51E-89	0.001	0.003	0.717	0.011	402.561	TRUE	3.26E-81
FEV1	IDUA	rs76451154	A	G	0.094	0.010	0.244	3.43E-22	-0.006	0.003	0.051	0.003	93.828	TRUE	2.62E-18
FEV1	IDUA	rs7661467	G	A	0.208	0.010	0.768	5.54E-100	-0.005	0.003	0.056	0.013	450.500	TRUE	8.48E-87
FEV1	IDUA	rs76638961	C	A	0.503	0.017	0.060	1.20E-188	-0.001	0.005	0.895	0.024	858.159	TRUE	1.44E-171
FEV1	IDUA	rs76914315	C	T	0.149	0.024	0.032	3.34E-10	0.006	0.011	0.592	0.001	39.462	TRUE	4.45E-09
FEV1	IDUA	rs77049343	A	T	0.075	0.011	0.191	2.48E-12	0.000	0.003	0.884	0.001	49.063	TRUE	2.53E-11
FEV1	IDUA	rs78931060	G	T	0.281	0.038	0.012	2.88E-13	0.004	0.009	0.663	0.001	53.283	TRUE	6.55E-12
FEV1	IDUA	rs78936351	T	C	-0.223	0.022	0.038	2.28E-24	0.002	0.009	0.829	0.003	103.759	TRUE	3.18E-22
FEV1	IDUA	rs79565855	A	G	0.191	0.015	0.084	1.29E-35	-0.008	0.004	0.054	0.004	155.157	TRUE	5.39E-30
FEV1	IDUA	rs79613010	C	T	-0.183	0.028	0.022	6.53E-11	-0.008	0.009	0.348	0.001	42.651	TRUE	2.13E-09
FEV1	IDUA	rs79881735	T	C	-0.358	0.025	0.029	2.64E-47	-0.005	0.006	0.398	0.006	208.691	TRUE	4.75E-42
FEV1	IDUA	rs80203286	T	C	0.171	0.026	0.028	4.11E-11	0.013	0.009	0.159	0.001	43.559	TRUE	3.25E-09
FEV1	IDUA	rs80257442	T	C	0.161	0.011	0.180	4.16E-50	0.000	0.003	0.911	0.006	221.532	TRUE	6.78E-46
FEV1	IDUA	rs873785	C	T	0.378	0.006	0.411	1.00E-200	-0.004	0.002	0.109	0.098	3867.292	TRUE	1.00E-200
FEV1	IDUA	rs899387	T	C	-0.120	0.009	0.376	1.22E-43	0.002	0.003	0.577	0.005	191.902	TRUE	3.35E-39
FEV1	IFI16	rs856052	G	T	0.069	0.011	0.832	1.72E-10	0.007	0.003	0.035	0.001	40.757	TRUE	3.62E-08
FEV1	IFI16	rs12071136	A	C	-0.067	0.012	0.140	8.92E-09	-0.005	0.003	0.165	0.001	33.062	TRUE	3.15E-07
FEV1	IFI16	rs2518563	T	C	0.091	0.010	0.815	7.15E-19	0.008	0.003	0.004	0.002	78.717	TRUE	1.70E-14
FEV1	MAPK3	rs1064524	T	C	0.112	0.019	0.045	7.88E-09	0.012	0.005	0.028	0.001	33.302	TRUE	9.70E-07
FEV1	MAPK3	rs11150582	C	G	-0.106	0.010	0.181	2.33E-24	-0.003	0.003	0.326	0.003	103.715	TRUE	2.82E-21
FEV1	MAPK3	rs11642632	A	G	-0.117	0.019	0.048	8.11E-10	-0.010	0.006	0.106	0.001	37.731	TRUE	5.81E-08
FEV1	MAPK3	rs139529748	A	T	0.146	0.022	0.033	9.63E-11	0.025	0.014	0.063	0.001	41.893	TRUE	1.43E-08
FEV1	MAPK3	rs142097700	A	G	0.147	0.023	0.034	1.32E-10	0.003	0.008	0.695	0.001	41.270	TRUE	1.51E-09
FEV1	MAPK3	rs142915099	A	G	0.144	0.023	0.032	8.82E-10	-0.001	0.009	0.873	0.001	37.567	TRUE	5.64E-09
FEV1	MAPK3	rs149549354	G	A	0.114	0.020	0.043	6.74E-09	0.000	0.006	0.948	0.001	33.605	TRUE	3.08E-08
FEV1	MAPK3	rs34286592	T	C	-0.062	0.011	0.157	3.19E-08	-0.009	0.003	0.010	0.001	30.586	TRUE	5.04E-06
FEV1	MAPK3	rs34679599	T	C	-0.112	0.014	0.099	2.08E-16	0.003	0.004	0.550	0.002	67.519	TRUE	1.37E-14
FEV1	MAPK3	rs4500746	C	T	0.076	0.009	0.662	8.22E-19	0.008	0.003	0.002	0.002	78.442	TRUE	3.12E-14

FEV1	MAPK3	rs4788186	G	A	-0.114	0.008	0.631	2.65E-41	-0.005	0.002	0.047	0.005	181.190	TRUE	6.31E-35
FEV1	MAPK3	rs549993187	A	C	0.241	0.039	0.012	5.63E-10	0.024	0.014	0.082	0.001	38.442	TRUE	5.23E-08
FEV1	MAPK3	rs55732507	C	T	0.240	0.008	0.400	9.45E-188	0.007	0.002	0.003	0.023	854.028	TRUE	3.88E-161
FEV1	MAPK3	rs56329348	A	G	0.181	0.022	0.037	1.08E-16	0.006	0.006	0.307	0.002	68.816	TRUE	1.91E-14
FEV1	MAPK3	rs62054903	G	A	0.136	0.024	0.028	2.56E-08	-0.006	0.008	0.489	0.001	31.011	TRUE	2.79E-07
FEV1	MAPK3	rs6565174	C	A	0.162	0.012	0.869	3.82E-41	-0.002	0.004	0.612	0.005	180.462	TRUE	4.59E-37
FEV1	MAPK3	rs76840156	T	C	0.128	0.023	0.032	3.72E-08	0.005	0.008	0.578	0.001	30.288	TRUE	3.16E-07
FEV1	MAPK3	rs80154727	A	G	-0.172	0.031	0.018	1.78E-08	-0.023	0.011	0.043	0.001	31.718	TRUE	1.47E-06
FEV1	MAPK3	rs9936065	T	C	0.146	0.022	0.037	1.79E-11	0.016	0.007	0.022	0.001	45.181	TRUE	7.51E-09
FEV1	MCL1	rs41272019	T	C	-0.879	0.045	0.008	2.17E-86	0.037	0.009	9.31E-05	0.011	388.051	TRUE	2.82E-70
FEV1	MCL1	rs72692830	T	C	-0.127	0.018	0.052	1.35E-12	0.011	0.006	0.051	0.001	50.258	TRUE	4.64E-10
FEV1	PF4	rs114184225	C	T	-0.188	0.033	0.016	8.96E-09	-0.014	0.010	0.165	0.001	33.053	TRUE	3.20E-07
FEV1	PF4	rs11574452	A	C	-0.219	0.026	0.027	1.31E-17	0.011	0.006	0.054	0.002	72.980	TRUE	2.39E-14
FEV1	PF4	rs1398015	T	C	-0.152	0.017	0.059	3.48E-18	-0.014	0.006	0.015	0.002	75.594	TRUE	2.23E-14
FEV1	PRKCA	rs113015462	T	C	-0.077	0.012	0.131	3.55E-10	-0.005	0.004	0.221	0.001	39.342	TRUE	1.48E-08
FEV1	PRKCA	rs12601617	C	T	-0.049	0.008	0.467	2.00E-09	-0.002	0.002	0.428	0.001	35.973	TRUE	3.38E-08
FEV1	PRKCA	rs61762372	A	G	0.081	0.008	0.370	1.60E-21	-0.007	0.002	0.004	0.003	90.779	TRUE	9.95E-17
FEV1	RIPK2	rs160438	G	A	0.084	0.012	0.133	8.95E-13	-0.008	0.004	0.016	0.001	51.059	TRUE	6.89E-10
FEV1	SFRP1	rs113287539	A	G	-0.110	0.020	0.046	3.24E-08	0.001	0.008	0.890	0.001	30.557	TRUE	1.48E-07
FEV1	SFRP1	rs11778807	T	C	-0.113	0.013	0.878	1.07E-18	0.004	0.003	0.185	0.002	77.913	TRUE	6.75E-16
FEV1	SFRP1	rs12547239	A	G	-0.062	0.009	0.687	7.51E-12	0.006	0.003	0.022	0.001	46.887	TRUE	3.38E-09
FEV1	SFRP1	rs13268698	G	T	0.183	0.023	0.032	5.75E-15	-0.003	0.008	0.678	0.002	60.982	TRUE	1.79E-13
FEV1	SFRP1	rs138953270	A	G	0.081	0.012	0.137	5.60E-11	-0.005	0.004	0.167	0.001	42.952	TRUE	4.08E-09
FEV1	SFRP1	rs143089503	T	C	-0.118	0.019	0.054	2.92E-10	-0.006	0.005	0.274	0.001	39.728	TRUE	1.03E-08
FEV1	SFRP1	rs145917781	T	C	0.245	0.031	0.018	5.25E-15	0.000	0.010	0.985	0.002	61.162	TRUE	7.05E-14
FEV1	SFRP1	rs149469919	G	A	-0.181	0.030	0.020	1.58E-09	-0.005	0.010	0.583	0.001	36.431	TRUE	1.84E-08
FEV1	SFRP1	rs150153367	A	G	-0.180	0.028	0.023	1.32E-10	0.012	0.008	0.124	0.001	41.284	TRUE	1.09E-08
FEV1	SFRP1	rs183616820	G	A	-0.243	0.036	0.014	8.34E-12	0.004	0.009	0.673	0.001	46.682	TRUE	1.31E-10
FEV1	SFRP1	rs34575371	T	C	0.126	0.014	0.096	8.70E-19	-0.001	0.004	0.802	0.002	78.329	TRUE	4.21E-17
FEV1	SFRP1	rs35559207	C	T	0.069	0.011	0.178	3.28E-10	0.001	0.003	0.707	0.001	39.500	TRUE	3.26E-09
FEV1	SFRP1	rs56349125	T	G	0.083	0.012	0.145	2.64E-12	0.007	0.004	0.055	0.001	48.940	TRUE	7.51E-10
FEV1	SFRP1	rs62642264	T	C	-0.130	0.013	0.128	6.42E-25	0.004	0.003	0.272	0.003	106.269	TRUE	1.24E-21
FEV1	SFRP1	rs62642270	G	A	-0.129	0.011	0.162	1.53E-29	0.010	0.003	0.001	0.004	127.375	TRUE	5.05E-23
FEV1	SFRP1	rs62642295	C	T	0.133	0.019	0.049	5.13E-12	0.000	0.005	1.000	0.001	47.635	TRUE	3.78E-11
FEV1	SFRP1	rs6415707	G	T	-0.120	0.009	0.285	4.25E-38	0.008	0.003	0.003	0.005	166.515	TRUE	1.04E-30
FEV1	SFRP1	rs6651363	A	G	0.063	0.009	0.347	9.31E-13	-0.002	0.003	0.435	0.001	50.981	TRUE	3.50E-11
FEV1	SFRP1	rs72642707	A	T	-0.233	0.032	0.018	2.45E-13	0.034	0.010	2.93E-04	0.002	53.603	TRUE	2.23E-09
FEV1	SFRP1	rs72643819	T	G	-0.158	0.008	0.418	5.87E-77	0.012	0.002	1.45E-06	0.010	344.737	TRUE	2.50E-60
FEV1	SFRP1	rs72645550	T	G	-0.157	0.027	0.025	4.45E-09	0.016	0.008	0.048	0.001	34.414	TRUE	4.27E-07
FEV1	SFRP1	rs74501864	C	T	-0.106	0.017	0.064	8.07E-10	0.000	0.006	0.988	0.001	37.742	TRUE	4.08E-09
FEV1	SFRP1	rs75155803	C	T	0.177	0.019	0.050	2.60E-20	0.002	0.006	0.724	0.002	85.269	TRUE	2.28E-18
FEV1	SFRP1	rs76346677	T	C	0.183	0.016	0.074	3.59E-30	0.001	0.004	0.847	0.004	130.254	TRUE	1.50E-27

FEV1	SFRP1	rs7813807	A	C	-0.126	0.008	0.467	2.50E-51	-0.005	0.002	0.043	0.006	227.136	TRUE	1.39E-43
FEV1	SFRP1	rs78408644	A	G	0.243	0.041	0.011	2.12E-09	-0.017	0.010	0.103	0.001	35.857	TRUE	1.35E-07
FEV1	SFRP1	rs79008035	C	A	0.325	0.035	0.014	1.29E-20	-0.021	0.013	0.117	0.002	86.659	TRUE	2.49E-17
FEV1	SFRP1	rs933832	C	A	-0.060	0.009	0.674	2.42E-11	0.003	0.002	0.275	0.001	44.592	TRUE	1.23E-09
FEV1	SMPD1	rs1050239	A	G	-0.361	0.007	0.290	1.00E-200	0.010	0.003	1.36E-04	0.076	2911.025	TRUE	1.00E-200
FEV1	SMPD1	rs10769687	C	T	-0.070	0.008	0.486	7.96E-17	0.002	0.002	0.373	0.002	69.416	TRUE	1.16E-14
FEV1	SMPD1	rs10839555	C	G	-0.137	0.009	0.286	5.53E-50	0.000	0.003	0.943	0.006	220.968	TRUE	8.20E-46
FEV1	SMPD1	rs11038926	A	G	-0.062	0.010	0.229	6.73E-10	0.008	0.003	0.004	0.001	38.095	TRUE	3.47E-07
FEV1	SMPD1	rs11040254	T	C	-0.064	0.009	0.267	1.66E-11	0.003	0.003	0.289	0.001	45.330	TRUE	8.10E-10
FEV1	SMPD1	rs11041298	G	A	-0.152	0.024	0.031	3.30E-10	0.006	0.010	0.545	0.001	39.489	TRUE	5.00E-09
FEV1	SMPD1	rs113199701	T	C	0.128	0.022	0.039	5.96E-09	0.005	0.009	0.550	0.001	33.846	TRUE	6.51E-08
FEV1	SMPD1	rs113371018	C	G	-0.143	0.026	0.027	3.25E-08	0.013	0.007	0.062	0.001	30.551	TRUE	1.95E-06
FEV1	SMPD1	rs1159431	C	T	-0.151	0.021	0.042	3.21E-13	0.001	0.005	0.852	0.001	53.071	TRUE	4.31E-12
FEV1	SMPD1	rs117985794	A	G	-0.186	0.031	0.020	1.34E-09	0.026	0.012	0.032	0.001	36.749	TRUE	2.06E-07
FEV1	SMPD1	rs11820835	C	T	0.074	0.012	0.136	7.77E-10	0.005	0.004	0.196	0.001	37.815	TRUE	3.41E-08
FEV1	SMPD1	rs12271375	T	C	-0.105	0.017	0.062	1.69E-09	0.000	0.005	0.967	0.001	36.298	TRUE	8.31E-09
FEV1	SMPD1	rs139497462	C	A	-0.218	0.039	0.012	2.37E-08	0.009	0.012	0.465	0.001	31.160	TRUE	2.77E-07
FEV1	SMPD1	rs142303644	T	C	-0.212	0.028	0.024	2.55E-14	0.017	0.009	0.057	0.002	58.049	TRUE	1.41E-11
FEV1	SMPD1	rs143258522	C	T	0.190	0.022	0.037	2.97E-17	0.007	0.010	0.466	0.002	71.363	TRUE	3.18E-15
FEV1	SMPD1	rs147145913	G	A	-0.361	0.039	0.011	3.53E-20	0.004	0.010	0.669	0.002	84.663	TRUE	3.59E-18
FEV1	SMPD1	rs148106490	A	G	0.178	0.029	0.021	6.79E-10	-0.019	0.009	0.047	0.001	38.078	TRUE	9.24E-08
FEV1	SMPD1	rs149116355	T	C	-0.181	0.028	0.022	8.80E-11	-0.006	0.008	0.442	0.001	42.070	TRUE	2.03E-09
FEV1	SMPD1	rs150320888	T	C	0.144	0.018	0.058	9.16E-16	0.000	0.007	1.000	0.002	64.599	TRUE	1.36E-14
FEV1	SMPD1	rs16911940	A	T	-0.089	0.012	0.148	3.21E-14	0.006	0.003	0.071	0.002	57.601	TRUE	1.39E-11
FEV1	SMPD1	rs16914574	C	T	0.159	0.021	0.041	1.07E-13	0.000	0.007	0.984	0.002	55.234	TRUE	1.11E-12
FEV1	SMPD1	rs17242778	C	T	-0.177	0.025	0.028	1.17E-12	0.006	0.010	0.525	0.001	50.530	TRUE	3.41E-11
FEV1	SMPD1	rs187048936	A	G	-0.339	0.049	0.008	5.55E-12	0.031	0.018	0.081	0.001	47.478	TRUE	1.05E-09
FEV1	SMPD1	rs1876302	T	C	-0.205	0.034	0.016	1.05E-09	0.003	0.011	0.758	0.001	37.222	TRUE	8.50E-09
FEV1	SMPD1	rs2555148	A	G	0.052	0.009	0.357	2.95E-09	-0.005	0.003	0.054	0.001	35.215	TRUE	2.80E-07
FEV1	SMPD1	rs2723673	T	C	0.222	0.015	0.922	2.47E-47	-0.002	0.005	0.728	0.006	208.819	TRUE	6.44E-43
FEV1	SMPD1	rs34271039	T	C	0.199	0.023	0.035	4.40E-18	-0.005	0.009	0.571	0.002	75.128	TRUE	3.91E-16
FEV1	SMPD1	rs35104022	A	G	-0.110	0.016	0.077	2.45E-12	-0.008	0.005	0.079	0.001	49.082	TRUE	5.28E-10
FEV1	SMPD1	rs4627053	A	C	-0.071	0.010	0.237	8.11E-13	0.004	0.003	0.181	0.001	51.252	TRUE	9.09E-11
FEV1	SMPD1	rs4758104	C	T	-0.051	0.009	0.627	4.22E-09	0.000	0.003	0.932	0.001	34.516	TRUE	2.06E-08
FEV1	SMPD1	rs4758405	A	G	0.072	0.009	0.400	7.56E-17	0.001	0.002	0.789	0.002	69.518	TRUE	2.45E-15
FEV1	SMPD1	rs4758415	T	C	-0.245	0.012	0.138	2.16E-89	0.002	0.003	0.582	0.011	401.847	TRUE	1.20E-80
FEV1	SMPD1	rs56400934	G	C	0.176	0.019	0.047	1.16E-19	0.001	0.006	0.840	0.002	82.313	TRUE	6.09E-18
FEV1	SMPD1	rs57397396	C	T	0.190	0.030	0.020	4.00E-10	0.010	0.009	0.306	0.001	39.109	TRUE	1.20E-08
FEV1	SMPD1	rs58067339	T	C	0.191	0.014	0.095	1.54E-40	0.004	0.005	0.366	0.005	177.696	TRUE	6.70E-36
FEV1	SMPD1	rs61741824	C	T	-0.131	0.019	0.050	9.63E-12	-0.009	0.006	0.180	0.001	46.400	TRUE	8.12E-10
FEV1	SMPD1	rs7107618	A	G	0.067	0.012	0.153	1.55E-08	-0.002	0.004	0.627	0.001	31.994	TRUE	1.29E-07
FEV1	SMPD1	rs71472625	C	G	-0.188	0.029	0.021	7.35E-11	0.012	0.008	0.144	0.001	42.422	TRUE	5.80E-09

FEV1	SMPD1	rs72880092	C	T	-0.089	0.014	0.096	3.82E-10	0.000	0.004	0.987	0.001	39.201	TRUE	2.07E-09
FEV1	SMPD1	rs72896238	A	G	-0.255	0.028	0.022	2.44E-19	0.010	0.008	0.212	0.002	80.842	TRUE	1.52E-16
FEV1	SMPD1	rs72896243	A	G	0.110	0.019	0.050	1.35E-08	0.003	0.007	0.683	0.001	32.253	TRUE	1.01E-07
FEV1	SMPD1	rs77690773	C	T	-0.169	0.026	0.026	4.08E-11	0.012	0.008	0.160	0.001	43.572	TRUE	3.19E-09
FEV1	SMPD1	rs77776071	A	G	0.165	0.015	0.086	1.02E-28	-0.002	0.005	0.716	0.003	123.623	TRUE	5.33E-26
FEV1	SMPD1	rs7931672	G	A	0.192	0.030	0.019	3.00E-10	0.001	0.010	0.937	0.001	39.675	TRUE	1.84E-09
FEV1	SMPD1	rs79811238	A	C	-0.270	0.041	0.011	4.81E-11	0.005	0.009	0.624	0.001	43.251	TRUE	7.21E-10
FEV1	TFRC	rs35270284	T	C	0.059	0.010	0.214	2.52E-09	0.003	0.003	0.305	0.001	35.520	TRUE	6.13E-08
FEV1	TFRC	rs3827554	C	A	0.076	0.009	0.695	7.27E-18	-0.007	0.003	0.007	0.002	74.138	TRUE	7.93E-14
FEV1	TFRC	rs73208017	G	C	-0.069	0.012	0.130	1.84E-08	-0.002	0.004	0.608	0.001	31.658	TRUE	1.57E-07
FEV1	WWOX	rs11545029	A	G	-0.070	0.008	0.617	6.34E-18	-0.010	0.002	5.50E-05	0.002	74.407	TRUE	1.17E-12
FEV1	WWOX	rs12596766	C	G	0.047	0.009	0.299	3.82E-08	0.008	0.003	0.001	0.001	30.237	TRUE	1.26E-05
FEV1	WWOX	rs4888769	C	T	0.051	0.008	0.606	1.47E-10	0.005	0.002	0.049	0.001	41.069	TRUE	2.40E-08
FEV1	YWHAB	rs113316640	A	G	-0.170	0.024	0.028	2.06E-12	-0.009	0.008	0.267	0.001	49.420	TRUE	1.38E-10
FEV1	YWHAB	rs2743275	G	A	0.064	0.008	0.486	2.45E-15	0.006	0.002	0.008	0.002	62.658	TRUE	7.62E-12
FEV1	YWHAB	rs4812874	A	G	0.059	0.009	0.302	1.46E-11	-0.007	0.003	0.009	0.001	45.585	TRUE	9.89E-09
FEV1	YWHAB	rs6031847	T	C	-0.181	0.009	0.259	3.26E-87	-0.007	0.003	0.013	0.011	391.837	TRUE	3.53E-74
FEV1	YWHAB	rs6032079	G	A	0.072	0.013	0.886	1.36E-08	0.002	0.004	0.646	0.001	32.243	TRUE	1.07E-07
FEV1	YWHAB	rs73114746	T	C	-0.123	0.012	0.132	6.21E-25	-0.005	0.004	0.171	0.003	106.334	TRUE	2.51E-21
FEV1	YWHAB	rs73911123	A	G	-0.183	0.032	0.015	1.69E-08	-0.008	0.011	0.457	0.001	31.822	TRUE	2.09E-07
FEV1FVC	ACP5	rs10403399	G	C	0.235	0.009	0.281	5.47E-140	-0.007	0.003	0.014	0.018	634.383	TRUE	9.17E-121
FEV1FVC	ACP5	rs11673556	C	T	-0.055	0.009	0.301	2.81E-09	-0.002	0.003	0.441	0.001	35.307	TRUE	4.39E-08
FEV1FVC	ACP5	rs12609977	G	A	0.073	0.011	0.160	2.07E-10	-0.003	0.004	0.499	0.001	40.396	TRUE	3.82E-09
FEV1FVC	ACP5	rs12978096	G	T	0.085	0.012	0.135	7.03E-12	0.003	0.004	0.435	0.001	47.016	TRUE	2.26E-10
FEV1FVC	ACP5	rs143186713	G	A	0.258	0.030	0.020	9.47E-18	-0.013	0.010	0.177	0.002	73.615	TRUE	4.67E-15
FEV1FVC	ACP5	rs145025827	T	C	-0.137	0.020	0.047	1.01E-11	0.010	0.008	0.223	0.001	46.316	TRUE	6.72E-10
FEV1FVC	ACP5	rs188000316	G	C	0.298	0.042	0.010	2.16E-12	0.008	0.015	0.616	0.001	49.328	TRUE	4.51E-11
FEV1FVC	ACP5	rs2305799	T	C	-0.278	0.013	0.119	3.90E-103	0.001	0.004	0.755	0.013	464.985	TRUE	1.10E-93
FEV1FVC	ACP5	rs2876698	G	C	0.158	0.011	0.803	3.12E-50	0.002	0.003	0.584	0.006	222.103	TRUE	3.12E-45
FEV1FVC	ACP5	rs4804617	T	C	-0.098	0.009	0.606	1.19E-29	0.001	0.002	0.672	0.004	127.877	TRUE	9.01E-27
FEV1FVC	ACP5	rs55831953	A	G	-0.119	0.019	0.053	1.64E-10	-0.004	0.006	0.503	0.001	40.851	TRUE	3.03E-09
FEV1FVC	ACP5	rs56015835	T	C	0.084	0.012	0.134	1.06E-11	-0.001	0.004	0.736	0.001	46.221	TRUE	1.38E-10
FEV1FVC	ACP5	rs5851	G	A	-0.084	0.008	0.456	1.92E-23	0.001	0.002	0.648	0.003	99.540	TRUE	4.27E-21
FEV1FVC	ACP5	rs7253363	G	T	0.116	0.020	0.955	9.76E-09	0.004	0.006	0.477	0.001	32.887	TRUE	1.21E-07
FEV1FVC	ACP5	rs74181615	A	T	0.217	0.015	0.091	1.90E-49	-0.005	0.004	0.236	0.006	218.508	TRUE	2.02E-43
FEV1FVC	ACP5	rs76182213	T	C	-0.178	0.022	0.039	7.47E-16	-0.005	0.005	0.327	0.002	65.003	TRUE	9.80E-14
FEV1FVC	ACP5	rs79781366	A	C	-0.079	0.013	0.112	3.25E-09	0.001	0.004	0.742	0.001	35.024	TRUE	2.51E-08
FEV1FVC	ACP5	rs80132751	A	G	-0.062	0.009	0.292	3.74E-11	-0.006	0.003	0.044	0.001	43.741	TRUE	8.15E-09
FEV1FVC	CALCOCO2	rs11650421	T	C	0.062	0.010	0.187	1.16E-09	-0.002	0.003	0.573	0.001	37.038	TRUE	1.42E-08
FEV1FVC	CALCOCO2	rs78096421	C	T	-0.133	0.024	0.029	3.24E-08	0.014	0.006	0.025	0.001	30.555	TRUE	3.24E-06
FEV1FVC	CAMP	rs11130163	C	T	0.048	0.009	0.342	4.87E-08	0.000	0.003	0.901	0.001	29.766	TRUE	2.07E-07
FEV1FVC	CAMP	rs148675210	A	G	-0.310	0.034	0.016	7.13E-20	0.011	0.010	0.304	0.002	83.271	TRUE	2.98E-17

FEV1FVC	CAMP	rs55771110	A	G	0.102	0.012	0.149	1.16E-18	0.007	0.003	0.025	0.002	77.771	TRUE	6.37E-15
FEV1FVC	CAMP	rs73074316	G	A	-0.118	0.020	0.047	1.90E-09	0.011	0.005	0.036	0.001	36.076	TRUE	2.51E-07
FEV1FVC	CAMP	rs73082350	A	G	-0.305	0.034	0.015	1.98E-19	-0.006	0.010	0.532	0.002	81.259	TRUE	2.71E-17
FEV1FVC	CBL	rs112233726	A	G	0.117	0.016	0.063	1.22E-12	-0.009	0.006	0.127	0.001	50.459	TRUE	1.86E-10
FEV1FVC	CBL	rs1131467	C	T	-0.066	0.010	0.788	7.18E-12	0.004	0.003	0.266	0.001	46.976	TRUE	4.23E-10
FEV1FVC	CBL	rs2509671	A	C	0.088	0.009	0.311	2.62E-24	-0.009	0.003	5.56E-04	0.003	103.478	TRUE	2.26E-18
FEV1FVC	CBL	rs35929108	A	G	-0.096	0.015	0.074	4.21E-10	0.012	0.005	0.011	0.001	39.012	TRUE	1.39E-07
FEV1FVC	CBL	rs45495892	T	A	-0.222	0.040	0.010	2.74E-08	0.004	0.011	0.723	0.001	30.882	TRUE	1.75E-07
FEV1FVC	CBL	rs626776	G	C	-0.075	0.008	0.659	3.56E-19	-0.004	0.003	0.156	0.002	80.096	TRUE	3.30E-16
FEV1FVC	CBL	rs71484135	T	C	-0.080	0.013	0.107	7.03E-10	0.000	0.004	0.930	0.001	38.011	TRUE	3.97E-09
FEV1FVC	CBL	rs73564493	A	G	-0.254	0.018	0.051	4.73E-44	0.012	0.005	0.011	0.005	193.781	TRUE	2.43E-36
FEV1FVC	CTSV	rs10816439	A	G	-0.056	0.008	0.497	6.56E-12	0.000	0.002	0.970	0.001	47.151	TRUE	5.13E-11
FEV1FVC	CTSV	rs10981890	G	A	-0.164	0.008	0.506	1.57E-90	0.007	0.002	0.006	0.011	407.077	TRUE	1.63E-76
FEV1FVC	CTSV	rs112805300	C	T	-0.178	0.019	0.048	1.55E-20	0.002	0.006	0.744	0.002	86.290	TRUE	1.31E-18
FEV1FVC	CTSV	rs117085660	G	A	-0.123	0.022	0.035	3.13E-08	-0.001	0.007	0.850	0.001	30.625	TRUE	1.52E-07
FEV1FVC	CTSV	rs117724680	C	T	0.335	0.019	0.048	2.11E-73	0.000	0.005	0.977	0.009	328.419	TRUE	2.59E-67
FEV1FVC	CTSV	rs117736571	G	A	0.130	0.021	0.037	1.41E-09	-0.033	0.008	6.31E-05	0.001	36.660	TRUE	3.24E-06
FEV1FVC	CTSV	rs118005357	C	A	0.521	0.081	0.003	1.55E-10	0.004	0.014	0.755	0.001	40.969	TRUE	1.50E-09
FEV1FVC	CTSV	rs12000365	C	T	0.087	0.015	0.076	8.26E-09	-0.002	0.004	0.709	0.001	33.210	TRUE	6.26E-08
FEV1FVC	CTSV	rs12340862	C	T	-0.066	0.012	0.144	1.53E-08	0.000	0.004	0.917	0.001	32.015	TRUE	6.93E-08
FEV1FVC	CTSV	rs139328556	G	A	0.147	0.022	0.035	2.27E-11	0.002	0.008	0.837	0.001	44.718	TRUE	2.17E-10
FEV1FVC	CTSV	rs1411885	C	T	0.057	0.008	0.473	1.71E-12	0.002	0.002	0.466	0.001	49.787	TRUE	5.46E-11
FEV1FVC	CTSV	rs147020077	C	G	0.201	0.033	0.015	7.08E-10	0.000	0.008	0.992	0.001	37.996	TRUE	3.58E-09
FEV1FVC	CTSV	rs1571567	A	G	0.073	0.008	0.370	5.80E-18	-0.011	0.002	2.83E-06	0.002	74.582	TRUE	4.64E-12
FEV1FVC	CTSV	rs2199440	C	T	-0.106	0.012	0.124	1.04E-17	-0.003	0.004	0.412	0.002	73.429	TRUE	1.49E-15
FEV1FVC	CTSV	rs34505550	A	G	0.097	0.010	0.190	1.11E-20	-0.007	0.003	0.022	0.002	86.958	TRUE	1.25E-16
FEV1FVC	CTSV	rs35028373	T	C	-0.121	0.013	0.104	2.64E-19	0.006	0.005	0.159	0.002	80.684	TRUE	2.31E-16
FEV1FVC	CTSV	rs4401999	G	A	0.051	0.009	0.740	3.27E-08	0.001	0.003	0.688	0.001	30.539	TRUE	2.24E-07
FEV1FVC	CTSV	rs4645657	G	A	-0.090	0.008	0.505	7.25E-29	0.000	0.002	0.945	0.003	124.292	TRUE	1.67E-26
FEV1FVC	CTSV	rs62575600	T	C	0.120	0.021	0.038	1.01E-08	-0.009	0.006	0.114	0.001	32.820	TRUE	4.65E-07
FEV1FVC	CTSV	rs72751508	T	C	0.108	0.011	0.147	4.55E-21	0.003	0.003	0.322	0.002	88.715	TRUE	2.22E-18
FEV1FVC	CTSV	rs75837839	T	C	0.096	0.015	0.082	4.85E-11	-0.002	0.005	0.674	0.001	43.233	TRUE	6.52E-10
FEV1FVC	CTSV	rs77195923	A	G	-0.528	0.064	0.004	2.53E-16	-0.025	0.016	0.113	0.002	67.137	TRUE	1.41E-13
FEV1FVC	CTSV	rs78977470	T	A	-0.420	0.054	0.006	5.21E-15	-0.036	0.017	0.032	0.002	61.178	TRUE	5.93E-12
FEV1FVC	CTSV	rs79313404	G	A	0.279	0.034	0.014	5.35E-16	0.004	0.013	0.786	0.002	65.659	TRUE	1.54E-14
FEV1FVC	CTSV	rs9299274	A	T	0.049	0.009	0.661	1.87E-08	0.001	0.003	0.778	0.001	31.621	TRUE	1.11E-07
FEV1FVC	CTSZ	rs117192477	C	T	-0.170	0.024	0.031	3.23E-12	0.001	0.007	0.845	0.001	48.542	TRUE	3.60E-11
FEV1FVC	CTSZ	rs12480757	T	C	-0.108	0.009	0.301	2.23E-32	0.001	0.003	0.620	0.004	140.341	TRUE	3.97E-29
FEV1FVC	CTSZ	rs127432	C	T	0.062	0.008	0.472	1.24E-13	-0.001	0.002	0.596	0.002	54.947	TRUE	3.73E-12
FEV1FVC	CTSZ	rs13037079	A	G	-0.133	0.012	0.130	1.17E-27	0.003	0.003	0.361	0.003	118.773	TRUE	2.49E-24
FEV1FVC	CTSZ	rs13040204	G	A	-0.074	0.010	0.219	2.82E-13	-0.001	0.003	0.778	0.001	53.330	TRUE	4.51E-12
FEV1FVC	CTSZ	rs13042676	T	C	0.165	0.026	0.025	1.03E-10	0.004	0.008	0.629	0.001	41.754	TRUE	1.42E-09

FEV1FVC	CTSZ	rs141127040	A	C	-0.223	0.033	0.016	1.03E-11	0.000	0.012	0.995	0.001	46.262	TRUE	7.31E-11
FEV1FVC	CTSZ	rs145400940	A	G	-0.292	0.041	0.011	1.23E-12	-0.009	0.011	0.444	0.001	50.430	TRUE	4.55E-11
FEV1FVC	CTSZ	rs148370779	T	C	-1.607	0.024	0.017	1.00E-200	0.033	0.012	0.007	0.108	4304.523	TRUE	1.00E-200
FEV1FVC	CTSZ	rs150251799	T	C	-0.246	0.038	0.013	7.04E-11	0.000	0.009	0.984	0.001	42.505	TRUE	4.37E-10
FEV1FVC	CTSZ	rs150935436	T	C	-0.278	0.042	0.009	5.46E-11	0.008	0.012	0.509	0.001	43.002	TRUE	1.11E-09
FEV1FVC	CTSZ	rs155004	A	G	0.058	0.008	0.546	8.01E-12	0.003	0.003	0.310	0.001	46.761	TRUE	3.70E-10
FEV1FVC	CTSZ	rs185056211	A	G	-0.292	0.045	0.009	1.17E-10	0.024	0.015	0.106	0.001	41.514	TRUE	1.12E-08
FEV1FVC	CTSZ	rs197173	G	T	0.093	0.012	0.846	1.10E-15	-0.005	0.003	0.164	0.002	64.243	TRUE	3.33E-13
FEV1FVC	CTSZ	rs3787492	A	G	0.076	0.009	0.373	1.38E-18	0.002	0.003	0.358	0.002	77.424	TRUE	3.18E-16
FEV1FVC	CTSZ	rs56216438	T	C	-0.245	0.013	0.111	2.72E-74	-0.002	0.004	0.571	0.009	332.495	TRUE	6.22E-67
FEV1FVC	CTSZ	rs57695703	T	G	-0.487	0.032	0.018	5.97E-53	0.007	0.010	0.473	0.007	234.570	TRUE	2.28E-47
FEV1FVC	CTSZ	rs6015379	G	A	-0.055	0.008	0.540	3.52E-11	-0.002	0.002	0.329	0.001	43.860	TRUE	1.27E-09
FEV1FVC	CTSZ	rs6026850	T	C	0.060	0.010	0.203	6.96E-09	0.001	0.003	0.723	0.001	33.543	TRUE	5.10E-08
FEV1FVC	CTSZ	rs6070524	A	G	-0.094	0.012	0.147	1.41E-15	-0.001	0.003	0.791	0.002	63.756	TRUE	3.62E-14
FEV1FVC	CTSZ	rs6070619	T	C	-0.178	0.012	0.154	1.33E-53	0.006	0.004	0.108	0.007	237.554	TRUE	2.14E-46
FEV1FVC	CTSZ	rs6070808	A	G	-0.072	0.011	0.183	2.91E-11	0.000	0.003	0.898	0.001	44.234	TRUE	2.39E-10
FEV1FVC	CTSZ	rs6092701	A	C	-0.093	0.009	0.295	2.07E-24	0.001	0.003	0.596	0.003	103.954	TRUE	6.75E-22
FEV1FVC	CTSZ	rs6100261	T	A	-0.235	0.013	0.121	2.79E-73	0.008	0.004	0.035	0.009	327.859	TRUE	7.88E-63
FEV1FVC	CTSZ	rs6123841	T	A	-0.125	0.010	0.226	8.70E-36	0.001	0.003	0.647	0.004	155.938	TRUE	2.90E-32
FEV1FVC	CTSZ	rs6513396	C	T	-0.052	0.009	0.290	2.31E-08	-0.003	0.003	0.262	0.001	31.213	TRUE	5.07E-07
FEV1FVC	CTSZ	rs6513412	G	A	-0.052	0.008	0.515	6.81E-10	0.006	0.002	0.019	0.001	38.073	TRUE	1.56E-07
FEV1FVC	CTSZ	rs7353214	G	C	0.068	0.009	0.358	5.46E-15	0.002	0.003	0.507	0.002	61.084	TRUE	2.86E-13
FEV1FVC	CTSZ	rs73918405	T	C	-0.342	0.049	0.008	4.66E-12	-0.010	0.012	0.428	0.001	47.824	TRUE	1.56E-10
FEV1FVC	CTSZ	rs76500793	C	G	-0.266	0.021	0.042	2.13E-36	0.002	0.006	0.790	0.004	158.732	TRUE	4.15E-33
FEV1FVC	CTSZ	rs77816791	C	T	-0.202	0.030	0.021	8.25E-12	-0.011	0.009	0.242	0.001	46.702	TRUE	5.14E-10
FEV1FVC	CTSZ	rs8123608	A	C	-0.064	0.012	0.151	4.43E-08	0.001	0.003	0.692	0.001	29.950	TRUE	2.88E-07
FEV1FVC	ERBB3	rs137887179	G	C	0.450	0.057	0.005	3.38E-15	-0.014	0.010	0.177	0.002	62.029	TRUE	8.08E-13
FEV1FVC	ERBB3	rs140116753	G	A	-0.076	0.014	0.099	3.59E-08	-0.008	0.005	0.140	0.001	30.358	TRUE	1.21E-06
FEV1FVC	ERBB3	rs146837390	A	G	0.394	0.063	0.004	3.86E-10	0.008	0.022	0.710	0.001	39.178	TRUE	3.83E-09
FEV1FVC	ERBB3	rs2292238	C	A	-0.107	0.008	0.400	1.83E-37	-0.010	0.002	4.56E-05	0.005	163.615	TRUE	1.75E-28
FEV1FVC	FGFR1	rs10101096	C	A	0.066	0.009	0.259	1.66E-12	0.001	0.003	0.661	0.001	49.842	TRUE	3.10E-11
FEV1FVC	FGFR1	rs13276269	A	G	0.054	0.009	0.329	8.37E-10	0.004	0.003	0.080	0.001	37.670	TRUE	7.54E-08
FEV1FVC	FGFR1	rs57128498	A	C	-0.063	0.011	0.177	3.86E-09	-0.002	0.003	0.507	0.001	34.693	TRUE	4.87E-08
FEV1FVC	FGFR1	rs62505473	G	C	0.094	0.008	0.415	2.65E-29	0.012	0.002	8.91E-07	0.004	126.287	TRUE	9.07E-21
FEV1FVC	FGFR1	rs75923541	A	G	-0.087	0.012	0.137	3.79E-13	-0.008	0.004	0.033	0.001	52.748	TRUE	2.18E-10
FEV1FVC	FTL	rs45520632	C	T	0.113	0.019	0.049	4.99E-09	-0.013	0.005	0.012	0.001	34.193	TRUE	1.06E-06
FEV1FVC	IDUA	rs10016588	C	G	-0.072	0.012	0.154	7.29E-10	-0.002	0.003	0.651	0.001	37.938	TRUE	7.85E-09
FEV1FVC	IDUA	rs1045458	A	G	0.276	0.043	0.009	1.92E-10	-0.012	0.010	0.235	0.001	40.547	TRUE	8.24E-09
FEV1FVC	IDUA	rs113289555	T	G	0.357	0.007	0.260	1.00E-200	-0.002	0.003	0.475	0.071	2718.387	TRUE	1.00E-200
FEV1FVC	IDUA	rs114003099	T	G	0.123	0.019	0.048	1.56E-10	0.006	0.006	0.293	0.001	40.946	TRUE	5.55E-09
FEV1FVC	IDUA	rs114750752	G	C	0.400	0.063	0.004	2.93E-10	0.012	0.019	0.550	0.001	39.716	TRUE	4.43E-09
FEV1FVC	IDUA	rs115435541	A	G	-0.556	0.017	0.062	3.51E-236	0.005	0.005	0.391	0.029	1076.811	TRUE	1.48E-211

FEV1FVC	IDUA	rs116303535	A	G	-0.302	0.026	0.025	3.61E-30	0.005	0.007	0.522	0.004	130.243	TRUE	6.02E-27
FEV1FVC	IDUA	rs116739534	A	G	-0.199	0.022	0.037	1.27E-19	-0.010	0.008	0.185	0.002	82.133	TRUE	1.04E-16
FEV1FVC	IDUA	rs11724371	C	T	-0.112	0.010	0.781	4.77E-29	0.001	0.003	0.749	0.004	125.121	TRUE	2.29E-26
FEV1FVC	IDUA	rs117750622	A	G	-0.503	0.035	0.014	8.71E-46	0.009	0.010	0.331	0.006	201.729	TRUE	1.74E-40
FEV1FVC	IDUA	rs12641194	T	C	0.073	0.011	0.196	3.91E-12	-0.001	0.003	0.698	0.001	48.165	TRUE	6.29E-11
FEV1FVC	IDUA	rs13136656	A	C	0.097	0.013	0.118	9.24E-14	0.003	0.004	0.502	0.002	55.519	TRUE	3.70E-12
FEV1FVC	IDUA	rs137986209	A	G	-0.138	0.025	0.030	2.23E-08	0.005	0.005	0.324	0.001	31.278	TRUE	3.91E-07
FEV1FVC	IDUA	rs139096444	A	C	0.058	0.010	0.229	9.32E-09	0.005	0.003	0.087	0.001	32.977	TRUE	5.33E-07
FEV1FVC	IDUA	rs139616585	T	C	0.190	0.033	0.017	5.86E-09	-0.010	0.009	0.288	0.001	33.878	TRUE	1.32E-07
FEV1FVC	IDUA	rs142074439	G	T	0.204	0.031	0.020	2.71E-11	-0.013	0.010	0.172	0.001	44.371	TRUE	2.08E-09
FEV1FVC	IDUA	rs142943203	T	C	-0.331	0.026	0.027	1.33E-37	-0.002	0.012	0.900	0.005	164.247	TRUE	1.99E-34
FEV1FVC	IDUA	rs143300170	A	G	0.421	0.033	0.016	2.85E-38	0.005	0.009	0.569	0.005	167.311	TRUE	2.31E-34
FEV1FVC	IDUA	rs143330209	T	C	0.292	0.038	0.013	1.12E-14	0.001	0.011	0.903	0.002	59.671	TRUE	1.76E-13
FEV1FVC	IDUA	rs143621184	A	G	-0.264	0.035	0.015	1.84E-14	-0.008	0.012	0.484	0.002	58.690	TRUE	9.43E-13
FEV1FVC	IDUA	rs143956184	T	C	0.277	0.041	0.011	2.03E-11	-0.004	0.010	0.688	0.001	44.936	TRUE	2.80E-10
FEV1FVC	IDUA	rs144793356	T	G	-0.470	0.041	0.011	8.96E-30	0.000	0.011	0.980	0.004	128.441	TRUE	2.08E-27
FEV1FVC	IDUA	rs144935065	T	G	-0.338	0.041	0.010	1.14E-16	0.001	0.011	0.901	0.002	68.714	TRUE	2.65E-15
FEV1FVC	IDUA	rs145687487	A	G	-0.361	0.053	0.006	1.14E-11	0.012	0.014	0.369	0.001	46.076	TRUE	4.18E-10
FEV1FVC	IDUA	rs146113450	T	C	-0.543	0.027	0.025	7.69E-93	-0.012	0.012	0.308	0.012	417.686	TRUE	1.24E-82
FEV1FVC	IDUA	rs147250021	T	C	-0.359	0.025	0.027	9.91E-47	-0.007	0.008	0.372	0.006	206.056	TRUE	1.83E-41
FEV1FVC	IDUA	rs147280206	A	G	0.176	0.032	0.018	4.17E-08	-0.027	0.012	0.020	0.001	30.066	TRUE	4.40E-06
FEV1FVC	IDUA	rs147473864	G	A	0.337	0.027	0.025	6.91E-36	0.009	0.010	0.343	0.004	156.395	TRUE	1.21E-31
FEV1FVC	IDUA	rs148339463	T	C	0.259	0.034	0.016	1.96E-14	0.009	0.012	0.455	0.002	58.566	TRUE	1.10E-12
FEV1FVC	IDUA	rs150351472	T	C	0.129	0.023	0.035	1.79E-08	0.007	0.007	0.350	0.001	31.708	TRUE	2.96E-07
FEV1FVC	IDUA	rs150991238	T	C	0.302	0.030	0.019	1.39E-23	-0.028	0.012	0.017	0.003	100.175	TRUE	5.52E-19
FEV1FVC	IDUA	rs17802159	A	G	-0.061	0.009	0.690	1.09E-11	0.005	0.003	0.074	0.001	46.162	TRUE	2.06E-09
FEV1FVC	IDUA	rs17802266	A	C	-0.277	0.009	0.260	2.17E-188	0.000	0.003	0.872	0.024	856.963	TRUE	2.69E-171
FEV1FVC	IDUA	rs1814546	C	T	-0.177	0.011	0.813	5.07E-62	0.000	0.003	0.962	0.008	276.181	TRUE	7.67E-57
FEV1FVC	IDUA	rs184218564	T	C	0.225	0.027	0.025	2.03E-17	0.001	0.010	0.918	0.002	72.116	TRUE	5.19E-16
FEV1FVC	IDUA	rs188388416	A	G	-0.393	0.043	0.010	2.65E-20	-0.006	0.010	0.591	0.002	85.227	TRUE	3.60E-18
FEV1FVC	IDUA	rs189143145	T	G	-0.301	0.029	0.020	1.13E-24	0.001	0.010	0.905	0.003	105.151	TRUE	1.26E-22
FEV1FVC	IDUA	rs201682298	T	C	0.811	0.026	0.025	1.12E-212	0.024	0.008	0.004	0.027	968.680	TRUE	3.17E-183
FEV1FVC	IDUA	rs2290402	T	C	-0.284	0.012	0.137	6.56E-123	0.004	0.003	0.234	0.015	555.863	TRUE	3.61E-109
FEV1FVC	IDUA	rs28405340	C	T	-0.073	0.009	0.645	4.84E-17	0.001	0.003	0.655	0.002	70.397	TRUE	2.56E-15
FEV1FVC	IDUA	rs3135900	G	A	-0.187	0.021	0.041	4.75E-19	0.012	0.007	0.094	0.002	79.527	TRUE	7.63E-16
FEV1FVC	IDUA	rs35254228	G	A	-0.072	0.008	0.523	1.17E-17	0.001	0.002	0.553	0.002	73.204	TRUE	9.77E-16
FEV1FVC	IDUA	rs35333201	C	T	0.049	0.009	0.381	1.59E-08	-0.005	0.003	0.071	0.001	31.941	TRUE	9.54E-07
FEV1FVC	IDUA	rs35728138	A	G	0.213	0.013	0.115	5.87E-60	0.001	0.004	0.829	0.007	266.710	TRUE	1.12E-54
FEV1FVC	IDUA	rs3755930	C	T	0.120	0.010	0.229	4.09E-33	0.002	0.003	0.418	0.004	143.711	TRUE	2.43E-29
FEV1FVC	IDUA	rs3775125	A	G	-0.087	0.012	0.147	9.99E-14	0.002	0.004	0.519	0.002	55.366	TRUE	3.67E-12
FEV1FVC	IDUA	rs3806759	A	G	0.122	0.014	0.098	1.57E-18	-0.007	0.004	0.087	0.002	77.163	TRUE	2.33E-15
FEV1FVC	IDUA	rs4312820	T	C	-0.075	0.009	0.384	5.39E-18	0.004	0.002	0.105	0.002	74.729	TRUE	5.41E-15

FEV1FVC	IDUA	rs4371565	T	C	0.087	0.009	0.319	1.81E-22	-0.001	0.003	0.818	0.003	95.098	TRUE	1.77E-20
FEV1FVC	IDUA	rs4441710	T	A	0.160	0.010	0.236	3.01E-60	-0.004	0.003	0.211	0.007	268.039	TRUE	6.30E-53
FEV1FVC	IDUA	rs4690294	G	A	0.140	0.009	0.313	1.51E-54	-0.007	0.003	0.008	0.007	241.892	TRUE	3.27E-45
FEV1FVC	IDUA	rs4690312	G	C	-0.151	0.016	0.079	1.73E-22	0.005	0.005	0.299	0.003	95.183	TRUE	1.46E-19
FEV1FVC	IDUA	rs4865447	G	A	-0.087	0.009	0.362	9.78E-24	0.003	0.003	0.227	0.003	100.874	TRUE	1.73E-20
FEV1FVC	IDUA	rs62286768	C	T	0.138	0.012	0.142	8.15E-31	0.000	0.004	0.945	0.004	133.200	TRUE	2.74E-28
FEV1FVC	IDUA	rs62294153	T	C	-0.134	0.013	0.106	1.25E-23	-0.003	0.004	0.359	0.003	100.392	TRUE	9.47E-21
FEV1FVC	IDUA	rs62296062	G	A	0.095	0.010	0.204	1.05E-19	0.001	0.003	0.647	0.002	82.511	TRUE	1.01E-17
FEV1FVC	IDUA	rs6822461	G	A	0.103	0.013	0.111	9.08E-15	-0.001	0.004	0.779	0.002	60.083	TRUE	2.04E-13
FEV1FVC	IDUA	rs6824378	G	A	-0.083	0.011	0.176	3.01E-14	0.003	0.003	0.365	0.002	57.728	TRUE	2.23E-12
FEV1FVC	IDUA	rs6833163	G	T	-0.100	0.012	0.128	1.36E-15	0.004	0.003	0.274	0.002	63.824	TRUE	2.23E-13
FEV1FVC	IDUA	rs6837180	G	A	-0.114	0.008	0.587	1.71E-41	-0.004	0.003	0.120	0.005	182.062	TRUE	1.04E-35
FEV1FVC	IDUA	rs6847965	T	C	-0.077	0.010	0.232	5.74E-15	0.008	0.003	0.007	0.002	60.987	TRUE	1.94E-11
FEV1FVC	IDUA	rs72613113	T	C	0.197	0.031	0.018	2.60E-10	-0.020	0.013	0.123	0.001	39.950	TRUE	1.97E-08
FEV1FVC	IDUA	rs73061846	A	G	0.294	0.026	0.026	1.28E-30	0.007	0.005	0.208	0.004	132.298	TRUE	1.63E-26
FEV1FVC	IDUA	rs73219286	C	T	-0.118	0.019	0.049	8.73E-10	0.004	0.006	0.534	0.001	37.587	TRUE	1.22E-08
FEV1FVC	IDUA	rs73796609	C	T	-0.503	0.091	0.002	2.79E-08	0.035	0.020	0.078	0.001	30.844	TRUE	1.46E-06
FEV1FVC	IDUA	rs74921869	A	G	0.227	0.011	0.160	1.51E-89	0.013	0.003	2.67E-05	0.011	402.561	TRUE	1.86E-72
FEV1FVC	IDUA	rs76451154	A	G	0.094	0.010	0.244	3.43E-22	-0.011	0.003	1.40E-04	0.003	93.828	TRUE	2.95E-16
FEV1FVC	IDUA	rs7661467	G	A	0.208	0.010	0.768	5.54E-100	-0.002	0.003	0.405	0.013	450.500	TRUE	1.56E-89
FEV1FVC	IDUA	rs76638961	C	A	0.503	0.017	0.060	1.20E-188	-0.002	0.005	0.642	0.024	858.159	TRUE	1.91E-170
FEV1FVC	IDUA	rs76914315	C	T	0.149	0.024	0.032	3.34E-10	-0.019	0.011	0.080	0.001	39.462	TRUE	3.40E-08
FEV1FVC	IDUA	rs77049343	A	T	0.075	0.011	0.191	2.48E-12	0.007	0.003	0.014	0.001	49.063	TRUE	1.79E-09
FEV1FVC	IDUA	rs78921979	A	G	-0.399	0.073	0.003	4.96E-08	0.016	0.014	0.232	0.001	29.730	TRUE	1.05E-06
FEV1FVC	IDUA	rs78931060	G	T	0.281	0.038	0.012	2.88E-13	0.004	0.009	0.678	0.001	53.283	TRUE	6.13E-12
FEV1FVC	IDUA	rs78936351	T	C	-0.223	0.022	0.038	2.28E-24	0.002	0.009	0.830	0.003	103.759	TRUE	3.14E-22
FEV1FVC	IDUA	rs79565855	A	G	0.191	0.015	0.084	1.29E-35	-0.006	0.004	0.125	0.004	155.157	TRUE	1.43E-30
FEV1FVC	IDUA	rs79613010	C	T	-0.183	0.028	0.022	6.53E-11	-0.005	0.009	0.590	0.001	42.651	TRUE	1.03E-09
FEV1FVC	IDUA	rs79881735	T	C	-0.358	0.025	0.029	2.64E-47	-0.005	0.006	0.460	0.006	208.691	TRUE	2.92E-42
FEV1FVC	IDUA	rs80203286	T	C	0.171	0.026	0.028	4.11E-11	-0.013	0.009	0.153	0.001	43.559	TRUE	3.32E-09
FEV1FVC	IDUA	rs80257442	T	C	0.161	0.011	0.180	4.16E-50	0.001	0.003	0.660	0.006	221.532	TRUE	2.71E-45
FEV1FVC	IDUA	rs873785	C	T	0.378	0.006	0.411	1.00E-200	-0.007	0.002	0.003	0.098	3867.292	TRUE	1.00E-200
FEV1FVC	IDUA	rs899387	T	C	-0.120	0.009	0.376	1.22E-43	0.001	0.003	0.604	0.005	191.902	TRUE	2.69E-39
FEV1FVC	INHBA	rs73100943	T	A	-0.094	0.009	0.261	4.16E-24	0.006	0.003	0.040	0.003	102.565	TRUE	8.39E-20
FEV1FVC	IRF2	rs3775576	A	C	-0.066	0.011	0.851	3.88E-09	-0.010	0.003	0.003	0.001	34.683	TRUE	1.63E-06
FEV1FVC	LGALS3	rs10139315	A	G	0.099	0.009	0.757	9.32E-26	-0.008	0.003	0.007	0.003	110.092	TRUE	1.96E-20
FEV1FVC	LGALS3	rs10139709	G	C	-0.109	0.009	0.274	8.82E-33	0.007	0.003	0.007	0.004	142.187	TRUE	1.74E-26
FEV1FVC	LGALS3	rs10498477	A	G	-0.081	0.010	0.204	9.10E-16	0.004	0.003	0.171	0.002	64.614	TRUE	2.66E-13
FEV1FVC	LGALS3	rs1187886	C	G	0.110	0.010	0.189	3.17E-26	-0.004	0.003	0.296	0.003	112.232	TRUE	7.24E-23
FEV1FVC	LGALS3	rs12436304	A	G	0.156	0.027	0.024	1.19E-08	0.004	0.006	0.526	0.001	32.509	TRUE	1.28E-07
FEV1FVC	LGALS3	rs12590849	G	A	0.051	0.008	0.488	5.27E-10	-0.003	0.002	0.294	0.001	38.573	TRUE	1.69E-08
FEV1FVC	LGALS3	rs12886075	T	C	-0.047	0.008	0.636	3.46E-08	0.000	0.003	0.898	0.001	30.428	TRUE	1.51E-07

FEV1FVC	LGALS3	rs139271565	T	C	-0.332	0.056	0.006	2.20E-09	-0.016	0.016	0.318	0.001	35.787	TRUE	5.15E-08
FEV1FVC	LGALS3	rs140427123	G	A	-0.500	0.036	0.013	6.74E-45	0.037	0.011	0.001	0.006	197.658	TRUE	4.46E-36
FEV1FVC	LGALS3	rs147645133	G	T	-0.388	0.035	0.012	2.91E-28	0.006	0.012	0.623	0.003	121.537	TRUE	2.05E-25
FEV1FVC	LGALS3	rs17128136	A	G	0.110	0.014	0.095	3.66E-15	-0.005	0.004	0.259	0.002	61.869	TRUE	5.59E-13
FEV1FVC	LGALS3	rs17674390	C	T	0.135	0.020	0.040	5.05E-11	-0.001	0.006	0.885	0.001	43.154	TRUE	4.04E-10
FEV1FVC	LGALS3	rs17728215	A	G	0.076	0.011	0.151	2.98E-11	0.000	0.004	0.920	0.001	44.190	TRUE	2.32E-10
FEV1FVC	LGALS3	rs2152278	A	C	-0.052	0.009	0.257	2.97E-08	0.005	0.003	0.056	0.001	30.728	TRUE	1.92E-06
FEV1FVC	LGALS3	rs41298434	A	C	-0.233	0.032	0.016	3.92E-13	0.001	0.004	0.828	0.001	52.679	TRUE	5.57E-12
FEV1FVC	LGALS3	rs4898851	T	C	-0.111	0.009	0.315	2.68E-36	0.004	0.003	0.197	0.004	158.278	TRUE	1.61E-31
FEV1FVC	LGALS3	rs55985131	T	C	-0.145	0.009	0.258	1.07E-55	0.001	0.003	0.714	0.007	247.171	TRUE	1.63E-50
FEV1FVC	LGALS3	rs56133056	G	C	-0.090	0.015	0.085	7.50E-10	-0.002	0.004	0.624	0.001	37.884	TRUE	8.48E-09
FEV1FVC	LGALS3	rs56280202	T	C	-0.371	0.013	0.118	2.04E-192	0.006	0.002	0.017	0.024	875.488	TRUE	3.22E-167
FEV1FVC	LGALS3	rs71412695	G	A	-0.138	0.018	0.055	6.37E-15	0.013	0.005	0.016	0.002	60.779	TRUE	1.21E-11
FEV1FVC	LGALS3	rs7153132	A	G	-0.048	0.008	0.514	3.22E-09	-0.001	0.002	0.605	0.001	35.043	TRUE	3.22E-08
FEV1FVC	LGALS3	rs7156733	A	G	-0.160	0.027	0.023	3.95E-09	0.017	0.009	0.052	0.001	34.645	TRUE	3.75E-07
FEV1FVC	LGALS3	rs735123	T	C	-0.095	0.009	0.253	4.31E-24	0.006	0.003	0.036	0.003	102.496	TRUE	8.59E-20
FEV1FVC	LGALS3	rs76790102	T	C	-0.550	0.011	0.091	1.00E-200	0.017	0.004	1.30E-04	0.060	2286.302	TRUE	1.00E-200
FEV1FVC	LGALS3	rs77139386	G	T	0.073	0.011	0.163	3.08E-11	-0.014	0.003	3.30E-05	0.001	44.121	TRUE	2.35E-07
FEV1FVC	LGALS3	rs9323270	A	C	-0.096	0.009	0.248	2.52E-24	0.004	0.003	0.100	0.003	103.561	TRUE	1.78E-20
FEV1FVC	MAP1LC3A	rs6120675	C	T	0.050	0.008	0.484	1.23E-09	0.016	0.002	1.58E-11	0.001	36.922	TRUE	8.95E-05
FEV1FVC	MAPK3	rs1064524	T	C	0.112	0.019	0.045	7.88E-09	0.014	0.005	0.009	0.001	33.302	TRUE	1.75E-06
FEV1FVC	MAPK3	rs11150582	C	G	-0.106	0.010	0.181	2.33E-24	-0.007	0.003	0.046	0.003	103.715	TRUE	3.86E-20
FEV1FVC	MAPK3	rs11642632	A	G	-0.117	0.019	0.048	8.11E-10	-0.004	0.006	0.521	0.001	37.731	TRUE	1.17E-08
FEV1FVC	MAPK3	rs139529748	A	T	0.146	0.022	0.033	9.63E-11	0.025	0.014	0.071	0.001	41.893	TRUE	1.31E-08
FEV1FVC	MAPK3	rs142097700	A	G	0.147	0.023	0.034	1.32E-10	0.014	0.008	0.099	0.001	41.270	TRUE	1.30E-08
FEV1FVC	MAPK3	rs142915099	A	G	0.144	0.023	0.032	8.82E-10	0.008	0.009	0.350	0.001	37.567	TRUE	2.07E-08
FEV1FVC	MAPK3	rs149549354	G	A	0.114	0.020	0.043	6.74E-09	0.005	0.007	0.430	0.001	33.605	TRUE	1.00E-07
FEV1FVC	MAPK3	rs34286592	T	C	-0.062	0.011	0.157	3.19E-08	-0.002	0.003	0.644	0.001	30.586	TRUE	2.41E-07
FEV1FVC	MAPK3	rs34679599	T	C	-0.112	0.014	0.099	2.08E-16	-0.007	0.004	0.144	0.002	67.519	TRUE	9.34E-14
FEV1FVC	MAPK3	rs4500746	C	T	0.076	0.009	0.662	8.22E-19	0.006	0.003	0.028	0.002	78.442	TRUE	3.57E-15
FEV1FVC	MAPK3	rs4788186	G	A	-0.114	0.008	0.631	2.65E-41	-0.005	0.002	0.042	0.005	181.190	TRUE	8.48E-35
FEV1FVC	MAPK3	rs549993187	A	C	0.241	0.039	0.012	5.63E-10	0.014	0.014	0.327	0.001	38.442	TRUE	1.50E-08
FEV1FVC	MAPK3	rs55732507	C	T	0.240	0.008	0.400	9.45E-188	0.013	0.002	2.61E-07	0.023	854.028	TRUE	1.15E-153
FEV1FVC	MAPK3	rs56329348	A	G	0.181	0.022	0.037	1.08E-16	0.015	0.006	0.018	0.002	68.816	TRUE	3.56E-13
FEV1FVC	MAPK3	rs62054903	G	A	0.136	0.024	0.028	2.56E-08	-0.005	0.008	0.570	0.001	31.011	TRUE	2.31E-07
FEV1FVC	MAPK3	rs6565174	C	A	0.162	0.012	0.869	3.82E-41	0.006	0.004	0.122	0.005	180.462	TRUE	1.97E-35
FEV1FVC	MAPK3	rs76840156	T	C	0.128	0.023	0.032	3.72E-08	0.014	0.009	0.117	0.001	30.288	TRUE	1.40E-06
FEV1FVC	MAPK3	rs80154727	A	G	-0.172	0.031	0.018	1.78E-08	-0.009	0.012	0.420	0.001	31.718	TRUE	2.38E-07
FEV1FVC	MAPK3	rs9936065	T	C	0.146	0.022	0.037	1.79E-11	0.014	0.007	0.049	0.001	45.181	TRUE	4.07E-09
FEV1FVC	MCL1	rs41272019	T	C	-0.879	0.045	0.008	2.17E-86	-0.029	0.010	0.003	0.011	388.051	TRUE	2.48E-72
FEV1FVC	MCL1	rs72692830	T	C	-0.127	0.018	0.052	1.35E-12	-0.013	0.006	0.022	0.001	50.258	TRUE	8.08E-10
FEV1FVC	MMP9	rs2250889	C	G	-0.169	0.020	0.953	1.08E-16	-0.013	0.006	0.026	0.002	68.819	TRUE	2.54E-13

FEV1FVC	NFKB1	rs230539	A	G	-0.066	0.008	0.649	2.60E-15	0.006	0.003	0.011	0.002	62.547	TRUE	7.63E-12
FEV1FVC	NMT1	rs1053733	A	G	0.046	0.008	0.401	1.69E-08	-0.007	0.002	0.002	0.001	31.816	TRUE	6.07E-06
FEV1FVC	PIP4K2A	rs11013176	G	A	-0.125	0.009	0.284	1.84E-44	0.006	0.003	0.018	0.005	195.663	TRUE	5.12E-37
FEV1FVC	PPT1	rs12040779	G	A	-0.065	0.011	0.849	5.73E-09	0.002	0.003	0.547	0.001	33.922	TRUE	6.33E-08
FEV1FVC	PPT1	rs12723276	G	A	0.133	0.013	0.108	2.66E-24	-0.009	0.004	0.013	0.003	103.455	TRUE	1.62E-19
FEV1FVC	PPT1	rs141910474	C	T	-0.192	0.035	0.014	3.16E-08	0.010	0.014	0.469	0.001	30.606	TRUE	3.49E-07
FEV1FVC	PPT1	rs145454454	T	C	0.189	0.024	0.031	1.61E-15	-0.009	0.009	0.271	0.002	63.491	TRUE	2.52E-13
FEV1FVC	PPT1	rs1800205	G	A	-0.325	0.019	0.049	4.61E-67	0.016	0.006	0.006	0.008	299.313	TRUE	5.06E-56
FEV1FVC	PPT1	rs193065075	G	C	0.141	0.021	0.039	7.15E-12	-0.021	0.010	0.045	0.001	46.984	TRUE	2.06E-09
FEV1FVC	PPT1	rs209914	T	G	0.054	0.009	0.680	7.81E-10	-0.003	0.003	0.339	0.001	37.805	TRUE	1.95E-08
FEV1FVC	PPT1	rs3969615	A	G	0.061	0.008	0.492	6.96E-14	-0.005	0.002	0.036	0.002	56.077	TRUE	5.12E-11
FEV1FVC	PPT1	rs4660386	C	T	-0.157	0.009	0.701	1.05E-71	0.008	0.003	0.002	0.009	320.620	TRUE	2.96E-59
FEV1FVC	PPT1	rs72670627	G	T	0.138	0.017	0.060	4.21E-16	-0.001	0.005	0.880	0.002	66.131	TRUE	9.37E-15
FEV1FVC	PPT1	rs76883808	A	G	-0.090	0.016	0.066	3.19E-08	-0.007	0.005	0.221	0.001	30.589	TRUE	7.41E-07
FEV1FVC	PPT1	rs77978970	A	G	-0.093	0.017	0.062	2.93E-08	0.002	0.005	0.687	0.001	30.752	TRUE	2.00E-07
FEV1FVC	SAT2	rs111498817	T	A	-0.274	0.027	0.022	2.24E-23	0.009	0.011	0.447	0.003	99.229	TRUE	1.12E-20
FEV1FVC	SAT2	rs112982019	C	T	-0.109	0.019	0.048	8.60E-09	0.004	0.006	0.534	0.001	33.132	TRUE	9.38E-08
FEV1FVC	SAT2	rs11652508	A	G	0.132	0.008	0.369	3.67E-56	-0.008	0.003	0.002	0.007	249.298	TRUE	6.69E-46
FEV1FVC	SAT2	rs117334055	A	G	-0.168	0.019	0.049	2.93E-19	0.009	0.008	0.258	0.002	80.481	TRUE	1.30E-16
FEV1FVC	SAT2	rs117646332	A	G	0.135	0.021	0.041	6.53E-11	-0.007	0.005	0.158	0.001	42.654	TRUE	4.70E-09
FEV1FVC	SAT2	rs12946520	T	G	0.094	0.008	0.624	3.81E-29	-0.007	0.003	0.005	0.004	125.569	TRUE	3.01E-23
FEV1FVC	SAT2	rs13894	A	G	-0.328	0.014	0.095	1.52E-126	0.011	0.005	0.020	0.016	572.583	TRUE	3.18E-109
FEV1FVC	SAT2	rs141667726	T	C	-0.263	0.048	0.007	3.07E-08	0.022	0.014	0.117	0.001	30.663	TRUE	1.18E-06
FEV1FVC	SAT2	rs144869039	C	T	-0.287	0.034	0.015	1.66E-17	0.024	0.012	0.043	0.002	72.510	TRUE	3.42E-14
FEV1FVC	SAT2	rs1544724	G	T	-0.079	0.008	0.415	3.11E-22	0.004	0.002	0.112	0.003	94.026	TRUE	9.92E-19
FEV1FVC	SAT2	rs1642763	G	A	-0.153	0.010	0.783	1.41E-54	0.006	0.003	0.025	0.007	242.027	TRUE	4.55E-46
FEV1FVC	SAT2	rs17805277	T	G	0.066	0.012	0.137	2.72E-08	-0.002	0.004	0.603	0.001	30.898	TRUE	2.28E-07
FEV1FVC	SAT2	rs2269459	G	A	0.056	0.010	0.786	1.35E-08	-0.004	0.003	0.183	0.001	32.255	TRUE	4.17E-07
FEV1FVC	SAT2	rs3744262	A	G	0.046	0.008	0.625	3.63E-08	-0.004	0.002	0.100	0.001	30.334	TRUE	1.58E-06
FEV1FVC	SAT2	rs3809817	G	C	-0.048	0.008	0.357	1.04E-08	0.002	0.003	0.416	0.001	32.769	TRUE	1.47E-07
FEV1FVC	SAT2	rs3809829	G	T	0.053	0.008	0.609	1.58E-10	-0.003	0.003	0.222	0.001	40.927	TRUE	7.18E-09
FEV1FVC	SAT2	rs4130509	T	C	-0.055	0.008	0.412	3.04E-11	0.003	0.002	0.292	0.001	44.149	TRUE	1.39E-09
FEV1FVC	SAT2	rs4130668	C	T	0.061	0.011	0.836	2.42E-08	-0.014	0.003	8.51E-07	0.001	31.120	TRUE	7.62E-05
FEV1FVC	SAT2	rs4246413	C	T	-0.147	0.017	0.935	1.32E-18	0.008	0.005	0.122	0.002	77.506	TRUE	1.30E-15
FEV1FVC	SAT2	rs4796406	C	T	-0.070	0.010	0.226	6.53E-13	0.003	0.003	0.405	0.001	51.678	TRUE	2.95E-11
FEV1FVC	SAT2	rs4968213	T	C	-0.162	0.021	0.963	3.37E-14	0.007	0.006	0.244	0.002	57.503	TRUE	4.09E-12
FEV1FVC	SAT2	rs67603370	A	G	-0.107	0.016	0.060	6.77E-11	0.006	0.005	0.205	0.001	42.582	TRUE	3.85E-09
FEV1FVC	SAT2	rs7214863	T	C	0.080	0.010	0.765	4.48E-17	-0.004	0.003	0.212	0.002	70.550	TRUE	1.45E-14
FEV1FVC	SAT2	rs72841443	A	G	-0.076	0.013	0.110	2.52E-09	0.003	0.004	0.464	0.001	35.525	TRUE	3.76E-08
FEV1FVC	SAT2	rs8065089	T	C	-0.111	0.013	0.115	1.74E-18	0.008	0.004	0.046	0.002	76.956	TRUE	4.52E-15
FEV1FVC	SAT2	rs8069501	G	A	0.110	0.017	0.055	2.89E-10	0.007	0.005	0.113	0.001	39.743	TRUE	2.31E-08
FEV1FVC	SAT2	rs8069533	G	A	0.048	0.008	0.542	4.66E-09	-0.002	0.002	0.333	0.001	34.325	TRUE	9.93E-08

FEV1FVC	SAT2	rs8078146	T	A	-0.067	0.010	0.191	5.36E-11	0.003	0.003	0.362	0.001	43.039	TRUE	1.68E-09
FEV1FVC	SAT2	rs858523	T	C	-0.201	0.008	0.570	1.64E-133	0.006	0.002	0.011	0.017	604.605	TRUE	8.84E-115
FEV1FVC	SAT2	rs9630723	G	A	0.159	0.028	0.021	1.59E-08	-0.014	0.008	0.087	0.001	31.943	TRUE	8.41E-07
FEV1FVC	SAT2	rs9914052	C	G	-0.205	0.018	0.051	1.43E-28	0.010	0.006	0.103	0.003	122.942	TRUE	3.22E-24
FEV1FVC	SFRP1	rs113287539	A	G	-0.110	0.020	0.046	3.24E-08	-0.011	0.008	0.146	0.001	30.557	TRUE	1.05E-06
FEV1FVC	SFRP1	rs117215127	A	G	-0.692	0.108	0.002	1.75E-10	-0.021	0.015	0.157	0.001	40.730	TRUE	1.13E-08
FEV1FVC	SFRP1	rs11778807	T	C	-0.113	0.013	0.878	1.07E-18	0.009	0.003	0.010	0.002	77.913	TRUE	1.12E-14
FEV1FVC	SFRP1	rs12547239	A	G	-0.062	0.009	0.687	7.51E-12	0.003	0.003	0.290	0.001	46.887	TRUE	4.03E-10
FEV1FVC	SFRP1	rs13268698	G	T	0.183	0.023	0.032	5.75E-15	-0.011	0.008	0.143	0.002	60.982	TRUE	1.64E-12
FEV1FVC	SFRP1	rs138953270	A	G	0.081	0.012	0.137	5.60E-11	-0.003	0.004	0.409	0.001	42.952	TRUE	1.50E-09
FEV1FVC	SFRP1	rs143089503	T	C	-0.118	0.019	0.054	2.92E-10	-0.005	0.005	0.412	0.001	39.728	TRUE	6.59E-09
FEV1FVC	SFRP1	rs145917781	T	C	0.245	0.031	0.018	5.25E-15	-0.001	0.011	0.955	0.002	61.162	TRUE	7.65E-14
FEV1FVC	SFRP1	rs149469919	G	A	-0.181	0.030	0.020	1.58E-09	0.003	0.010	0.779	0.001	36.431	TRUE	1.17E-08
FEV1FVC	SFRP1	rs150153367	A	G	-0.180	0.028	0.023	1.32E-10	0.012	0.008	0.132	0.001	41.284	TRUE	1.03E-08
FEV1FVC	SFRP1	rs183616820	G	A	-0.243	0.036	0.014	8.34E-12	0.004	0.009	0.676	0.001	46.682	TRUE	1.32E-10
FEV1FVC	SFRP1	rs34575371	T	C	0.126	0.014	0.096	8.70E-19	0.003	0.004	0.423	0.002	78.329	TRUE	1.63E-16
FEV1FVC	SFRP1	rs35559207	C	T	0.069	0.011	0.178	3.28E-10	-0.002	0.003	0.608	0.001	39.500	TRUE	4.13E-09
FEV1FVC	SFRP1	rs56349125	T	G	0.083	0.012	0.145	2.64E-12	-0.002	0.004	0.553	0.001	48.940	TRUE	6.46E-11
FEV1FVC	SFRP1	rs62642264	T	C	-0.130	0.013	0.128	6.42E-25	0.005	0.004	0.126	0.003	106.269	TRUE	3.98E-21
FEV1FVC	SFRP1	rs62642270	G	A	-0.129	0.011	0.162	1.53E-29	0.005	0.003	0.100	0.004	127.375	TRUE	4.85E-25
FEV1FVC	SFRP1	rs62642295	C	T	0.133	0.019	0.049	5.13E-12	-0.006	0.005	0.231	0.001	47.635	TRUE	3.67E-10
FEV1FVC	SFRP1	rs6415707	G	T	-0.120	0.009	0.285	4.25E-38	0.008	0.003	0.002	0.005	166.515	TRUE	1.92E-30
FEV1FVC	SFRP1	rs6651363	A	G	0.063	0.009	0.347	9.31E-13	-0.002	0.003	0.457	0.001	50.981	TRUE	3.50E-11
FEV1FVC	SFRP1	rs72642707	A	T	-0.233	0.032	0.018	2.45E-13	0.008	0.010	0.433	0.002	53.603	TRUE	1.12E-11
FEV1FVC	SFRP1	rs72643819	T	G	-0.158	0.008	0.418	5.87E-77	0.008	0.003	0.001	0.010	344.737	TRUE	1.27E-63
FEV1FVC	SFRP1	rs72645550	T	G	-0.157	0.027	0.025	4.45E-09	0.005	0.008	0.548	0.001	34.414	TRUE	5.07E-08
FEV1FVC	SFRP1	rs74501864	C	T	-0.106	0.017	0.064	8.07E-10	0.004	0.006	0.489	0.001	37.742	TRUE	1.29E-08
FEV1FVC	SFRP1	rs75155803	C	T	0.177	0.019	0.050	2.60E-20	0.004	0.006	0.516	0.002	85.269	TRUE	4.73E-18
FEV1FVC	SFRP1	rs76346677	T	C	0.183	0.016	0.074	3.59E-30	0.001	0.004	0.760	0.004	130.254	TRUE	2.13E-27
FEV1FVC	SFRP1	rs7813807	A	C	-0.126	0.008	0.467	2.50E-51	0.001	0.002	0.655	0.006	227.136	TRUE	2.30E-46
FEV1FVC	SFRP1	rs78408644	A	G	0.243	0.041	0.011	2.12E-09	0.004	0.010	0.718	0.001	35.857	TRUE	1.74E-08
FEV1FVC	SFRP1	rs79008035	C	A	0.325	0.035	0.014	1.29E-20	-0.001	0.013	0.963	0.002	86.659	TRUE	5.36E-19
FEV1FVC	SFRP1	rs933832	C	A	-0.060	0.009	0.674	2.42E-11	0.007	0.003	0.005	0.001	44.592	TRUE	2.03E-08
FEV1FVC	TIMP3	rs1033374	G	A	0.066	0.010	0.743	3.23E-12	0.000	0.003	0.929	0.001	48.539	TRUE	2.84E-11
FEV1FVC	TIMP3	rs11089528	G	C	-0.107	0.012	0.139	8.23E-18	-0.012	0.004	0.002	0.002	73.894	TRUE	2.55E-13
FEV1FVC	TIMP3	rs11089590	C	T	-0.085	0.009	0.476	1.11E-22	0.002	0.002	0.318	0.003	96.061	TRUE	8.82E-20
FEV1FVC	TIMP3	rs111362665	C	T	0.440	0.058	0.006	3.05E-14	-0.034	0.012	0.004	0.002	57.701	TRUE	1.12E-10
FEV1FVC	TIMP3	rs111428807	T	C	0.247	0.015	0.090	7.91E-60	-0.002	0.006	0.707	0.007	266.115	TRUE	3.14E-54
FEV1FVC	TIMP3	rs112768009	T	C	-0.085	0.014	0.110	5.66E-10	0.003	0.004	0.508	0.001	38.433	TRUE	8.83E-09
FEV1FVC	TIMP3	rs112799840	G	A	0.540	0.057	0.005	3.79E-21	-0.006	0.013	0.674	0.002	89.078	TRUE	4.62E-19
FEV1FVC	TIMP3	rs113983124	G	T	0.454	0.033	0.017	1.79E-42	0.006	0.010	0.570	0.005	186.554	TRUE	3.67E-38
FEV1FVC	TIMP3	rs116864038	A	G	0.202	0.032	0.020	2.55E-10	-0.022	0.008	0.005	0.001	39.993	TRUE	1.46E-07

FEV1FVC	TIMP3	rs116987772	T	C	-0.206	0.020	0.048	1.07E-24	0.007	0.007	0.337	0.003	105.253	TRUE	1.31E-21
FEV1FVC	TIMP3	rs117004633	A	G	0.533	0.031	0.020	1.39E-65	-0.016	0.010	0.104	0.008	292.518	TRUE	5.71E-57
FEV1FVC	TIMP3	rs11703546	C	T	0.080	0.014	0.098	3.15E-08	-0.006	0.004	0.133	0.001	30.613	TRUE	1.10E-06
FEV1FVC	TIMP3	rs117049039	A	G	0.303	0.049	0.008	5.41E-10	-0.024	0.014	0.087	0.001	38.522	TRUE	4.81E-08
FEV1FVC	TIMP3	rs11704930	G	A	0.108	0.010	0.245	1.89E-27	-0.002	0.003	0.477	0.003	117.820	TRUE	2.15E-24
FEV1FVC	TIMP3	rs117188860	C	G	0.452	0.029	0.022	5.00E-56	0.000	0.007	0.967	0.007	248.682	TRUE	2.10E-51
FEV1FVC	TIMP3	rs117226937	T	C	0.465	0.017	0.072	5.10E-173	-0.014	0.005	0.008	0.022	786.269	TRUE	3.03E-149
FEV1FVC	TIMP3	rs117229763	A	G	0.134	0.021	0.046	9.35E-11	-0.007	0.008	0.369	0.001	41.950	TRUE	2.71E-09
FEV1FVC	TIMP3	rs117352804	T	C	-0.111	0.019	0.053	6.84E-09	0.007	0.006	0.255	0.001	33.577	TRUE	1.75E-07
FEV1FVC	TIMP3	rs117491818	T	C	-0.133	0.023	0.034	1.30E-08	0.004	0.008	0.592	0.001	32.335	TRUE	1.19E-07
FEV1FVC	TIMP3	rs117541995	G	C	-0.176	0.021	0.045	2.25E-17	0.004	0.006	0.492	0.002	71.910	TRUE	2.19E-15
FEV1FVC	TIMP3	rs117555418	A	G	0.357	0.023	0.037	5.40E-55	-0.005	0.007	0.531	0.007	243.939	TRUE	2.31E-49
FEV1FVC	TIMP3	rs117851892	T	C	0.250	0.039	0.012	1.50E-10	0.018	0.008	0.024	0.001	41.033	TRUE	3.95E-08
FEV1FVC	TIMP3	rs117913131	A	G	0.452	0.067	0.004	1.20E-11	0.018	0.013	0.164	0.001	45.975	TRUE	1.07E-09
FEV1FVC	TIMP3	rs117946275	C	T	0.363	0.023	0.036	1.86E-55	-0.008	0.011	0.450	0.007	246.067	TRUE	1.49E-49
FEV1FVC	TIMP3	rs117946472	C	G	-0.158	0.020	0.047	5.06E-15	0.007	0.007	0.323	0.002	61.235	TRUE	5.55E-13
FEV1FVC	TIMP3	rs118117769	G	A	-0.346	0.022	0.040	1.13E-56	0.005	0.006	0.425	0.007	251.636	TRUE	1.40E-50
FEV1FVC	TIMP3	rs12053759	G	C	0.167	0.021	0.041	7.74E-15	0.004	0.006	0.492	0.002	60.397	TRUE	4.12E-13
FEV1FVC	TIMP3	rs12484696	C	G	0.166	0.013	0.129	3.07E-39	0.018	0.004	5.10E-07	0.005	171.739	TRUE	1.31E-28
FEV1FVC	TIMP3	rs135122	T	A	-0.167	0.026	0.972	2.07E-10	0.001	0.009	0.943	0.001	40.402	TRUE	1.28E-09
FEV1FVC	TIMP3	rs136405	T	C	0.207	0.038	0.013	3.32E-08	-0.013	0.009	0.140	0.001	30.511	TRUE	1.12E-06
FEV1FVC	TIMP3	rs137307	T	C	-0.170	0.012	0.843	1.32E-46	0.004	0.004	0.216	0.006	205.484	TRUE	8.49E-41
FEV1FVC	TIMP3	rs137535	C	T	0.209	0.010	0.774	1.59E-91	0.008	0.003	0.010	0.011	411.643	TRUE	8.28E-78
FEV1FVC	TIMP3	rs137973893	A	G	0.200	0.035	0.015	1.50E-08	0.031	0.016	0.049	0.001	32.054	TRUE	1.15E-06
FEV1FVC	TIMP3	rs138588064	G	C	-0.283	0.030	0.021	1.22E-20	0.007	0.011	0.534	0.002	86.770	TRUE	2.22E-18
FEV1FVC	TIMP3	rs138615925	T	C	0.481	0.046	0.008	4.23E-26	-0.006	0.010	0.515	0.003	111.662	TRUE	2.97E-23
FEV1FVC	TIMP3	rs138707098	T	C	0.225	0.040	0.012	1.41E-08	0.007	0.011	0.533	0.001	32.176	TRUE	1.46E-07
FEV1FVC	TIMP3	rs138812562	C	T	0.329	0.029	0.021	4.64E-29	-0.013	0.011	0.274	0.004	125.176	TRUE	2.42E-25
FEV1FVC	TIMP3	rs139545528	A	C	-0.175	0.027	0.026	5.41E-11	-0.019	0.009	0.031	0.001	43.020	TRUE	1.45E-08
FEV1FVC	TIMP3	rs140325339	T	C	0.381	0.059	0.006	8.12E-11	0.023	0.019	0.216	0.001	42.227	TRUE	4.27E-09
FEV1FVC	TIMP3	rs140329222	T	C	-0.179	0.018	0.059	5.52E-23	0.006	0.006	0.330	0.003	97.446	TRUE	4.33E-20
FEV1FVC	TIMP3	rs141402128	A	G	0.197	0.031	0.018	3.86E-10	0.000	0.008	0.978	0.001	39.181	TRUE	2.10E-09
FEV1FVC	TIMP3	rs142463203	C	T	-0.421	0.050	0.007	7.99E-17	-0.006	0.016	0.692	0.002	69.409	TRUE	3.58E-15
FEV1FVC	TIMP3	rs143996771	C	T	-0.324	0.024	0.035	1.40E-41	0.003	0.009	0.713	0.005	182.458	TRUE	1.14E-37
FEV1FVC	TIMP3	rs144927298	T	C	-0.169	0.024	0.032	3.02E-12	-0.001	0.012	0.949	0.001	48.670	TRUE	2.65E-11
FEV1FVC	TIMP3	rs145101172	T	C	0.161	0.026	0.029	2.90E-10	0.018	0.010	0.071	0.001	39.741	TRUE	3.34E-08
FEV1FVC	TIMP3	rs147848068	A	G	0.213	0.038	0.013	1.88E-08	-0.014	0.014	0.303	0.001	31.609	TRUE	3.53E-07
FEV1FVC	TIMP3	rs148005065	C	T	0.312	0.055	0.006	1.53E-08	-0.022	0.012	0.056	0.001	32.016	TRUE	1.10E-06
FEV1FVC	TIMP3	rs148237706	T	C	-0.203	0.034	0.016	1.84E-09	-0.008	0.013	0.556	0.001	36.137	TRUE	2.24E-08
FEV1FVC	TIMP3	rs148619873	G	A	-0.241	0.031	0.021	4.27E-15	0.009	0.012	0.442	0.002	61.568	TRUE	2.90E-13
FEV1FVC	TIMP3	rs148874674	T	C	0.332	0.046	0.009	6.43E-13	-0.004	0.012	0.738	0.001	51.709	TRUE	1.10E-11
FEV1FVC	TIMP3	rs149307297	T	C	-0.214	0.025	0.029	4.35E-17	0.007	0.009	0.434	0.002	70.606	TRUE	4.96E-15

FEV1FVC	TIMP3	rs1547413	G	A	-0.223	0.009	0.679	1.99E-130	0.010	0.003	5.40E-05	0.016	590.431	TRUE	5.02E-108
FEV1FVC	TIMP3	rs16990808	A	G	-0.127	0.023	0.038	1.78E-08	0.005	0.007	0.495	0.001	31.720	TRUE	1.97E-07
FEV1FVC	TIMP3	rs16991717	G	A	-0.264	0.014	0.105	2.01E-80	0.000	0.005	0.992	0.010	360.653	TRUE	9.17E-74
FEV1FVC	TIMP3	rs183660408	T	C	-0.317	0.043	0.011	1.03E-13	0.005	0.014	0.702	0.002	55.300	TRUE	2.28E-12
FEV1FVC	TIMP3	rs186650941	T	C	0.421	0.038	0.014	2.09E-28	0.002	0.011	0.826	0.003	122.187	TRUE	6.67E-26
FEV1FVC	TIMP3	rs191834155	A	G	0.360	0.035	0.016	2.90E-25	0.023	0.013	0.076	0.003	107.847	TRUE	3.73E-21
FEV1FVC	TIMP3	rs2076037	T	C	-0.091	0.010	0.225	6.92E-19	0.003	0.003	0.360	0.002	78.783	TRUE	1.63E-16
FEV1FVC	TIMP3	rs2157188	G	A	-0.112	0.012	0.144	6.50E-20	0.001	0.004	0.739	0.002	83.456	TRUE	5.00E-18
FEV1FVC	TIMP3	rs2157189	A	C	0.083	0.009	0.357	2.29E-20	-0.008	0.003	0.003	0.002	85.523	TRUE	1.23E-15
FEV1FVC	TIMP3	rs2267192	T	C	-0.066	0.009	0.318	1.39E-12	0.000	0.003	0.962	0.001	50.196	TRUE	1.23E-11
FEV1FVC	TIMP3	rs2267250	T	C	0.103	0.017	0.065	2.55E-09	0.000	0.006	0.987	0.001	35.501	TRUE	1.17E-08
FEV1FVC	TIMP3	rs2283896	C	T	0.057	0.009	0.436	3.93E-11	-0.001	0.003	0.775	0.001	43.645	TRUE	4.11E-10
FEV1FVC	TIMP3	rs2294209	A	G	-0.165	0.018	0.063	7.70E-21	-0.006	0.005	0.228	0.002	87.674	TRUE	6.64E-18
FEV1FVC	TIMP3	rs240077	G	A	0.091	0.012	0.153	2.97E-14	0.002	0.003	0.537	0.002	57.749	TRUE	1.18E-12
FEV1FVC	TIMP3	rs2413167	G	A	-0.071	0.009	0.345	3.53E-15	0.002	0.003	0.460	0.002	61.940	TRUE	2.33E-13
FEV1FVC	TIMP3	rs2413202	T	C	0.069	0.011	0.206	9.73E-11	-0.002	0.003	0.525	0.001	41.873	TRUE	1.78E-09
FEV1FVC	TIMP3	rs241890	T	G	-0.393	0.011	0.177	4.99E-276	0.006	0.003	0.052	0.034	1260.150	TRUE	1.54E-242
FEV1FVC	TIMP3	rs2710359	C	T	-0.134	0.012	0.165	1.62E-30	0.000	0.003	0.986	0.004	131.833	TRUE	4.36E-28
FEV1FVC	TIMP3	rs2710369	C	T	0.066	0.011	0.201	9.63E-10	0.006	0.003	0.033	0.001	37.395	TRUE	1.52E-07
FEV1FVC	TIMP3	rs2710378	T	A	0.152	0.017	0.071	1.10E-19	0.003	0.005	0.582	0.002	82.416	TRUE	1.35E-17
FEV1FVC	TIMP3	rs28542297	G	A	0.156	0.015	0.093	1.29E-25	-0.002	0.004	0.699	0.003	109.442	TRUE	3.77E-23
FEV1FVC	TIMP3	rs2858737	A	G	0.361	0.041	0.011	3.00E-18	-0.018	0.008	0.017	0.002	75.886	TRUE	1.82E-14
FEV1FVC	TIMP3	rs35080567	A	G	0.057	0.009	0.310	1.08E-09	-0.002	0.003	0.443	0.001	37.176	TRUE	1.91E-08
FEV1FVC	TIMP3	rs35777893	T	C	-0.159	0.025	0.031	1.56E-10	0.015	0.006	0.018	0.001	40.952	TRUE	5.13E-08
FEV1FVC	TIMP3	rs3788462	T	C	-0.050	0.009	0.612	1.24E-08	0.002	0.002	0.529	0.001	32.426	TRUE	1.31E-07
FEV1FVC	TIMP3	rs3788500	C	G	-0.150	0.017	0.069	1.51E-18	-0.014	0.007	0.052	0.002	77.242	TRUE	3.73E-15
FEV1FVC	TIMP3	rs3859836	A	G	0.109	0.011	0.203	2.44E-24	-0.001	0.002	0.723	0.003	103.624	TRUE	4.67E-22
FEV1FVC	TIMP3	rs4437061	T	C	-0.187	0.034	0.016	4.81E-08	0.002	0.009	0.840	0.001	29.792	TRUE	2.31E-07
FEV1FVC	TIMP3	rs4820085	T	A	-0.145	0.013	0.117	2.50E-27	0.009	0.004	0.023	0.003	117.269	TRUE	2.38E-22
FEV1FVC	TIMP3	rs4821090	T	C	-0.073	0.009	0.551	2.36E-17	-0.002	0.003	0.438	0.002	71.816	TRUE	2.76E-15
FEV1FVC	TIMP3	rs55726571	G	A	0.199	0.024	0.032	2.09E-16	0.009	0.009	0.328	0.002	67.512	TRUE	3.14E-14
FEV1FVC	TIMP3	rs56100989	C	T	0.218	0.014	0.099	8.19E-52	-0.003	0.004	0.472	0.006	229.354	TRUE	2.34E-46
FEV1FVC	TIMP3	rs56181139	C	T	-0.183	0.028	0.023	6.58E-11	-0.002	0.009	0.844	0.001	42.639	TRUE	5.67E-10
FEV1FVC	TIMP3	rs56202004	G	A	-0.281	0.024	0.034	1.48E-31	0.003	0.008	0.662	0.004	136.583	TRUE	1.78E-28
FEV1FVC	TIMP3	rs5749441	C	T	-0.089	0.009	0.429	7.35E-25	0.001	0.002	0.611	0.003	106.000	TRUE	2.51E-22
FEV1FVC	TIMP3	rs5753868	G	A	-0.089	0.014	0.899	3.77E-10	-0.004	0.004	0.355	0.001	39.227	TRUE	9.69E-09
FEV1FVC	TIMP3	rs5754158	A	G	0.120	0.009	0.521	8.03E-44	-0.003	0.002	0.211	0.005	192.726	TRUE	2.87E-38
FEV1FVC	TIMP3	rs5754188	G	T	-0.189	0.010	0.267	6.90E-85	0.000	0.003	0.898	0.011	381.154	TRUE	1.58E-77
FEV1FVC	TIMP3	rs5754266	T	C	-0.323	0.012	0.134	3.58E-148	0.005	0.003	0.112	0.019	672.012	TRUE	1.69E-130
FEV1FVC	TIMP3	rs5754423	C	T	-0.112	0.011	0.188	3.07E-24	-0.006	0.003	0.064	0.003	103.168	TRUE	3.77E-20
FEV1FVC	TIMP3	rs5994549	G	A	0.095	0.009	0.352	1.79E-26	-0.003	0.003	0.256	0.003	113.364	TRUE	5.12E-23
FEV1FVC	TIMP3	rs5994661	G	A	-0.208	0.009	0.556	3.30E-128	0.009	0.002	2.07E-04	0.016	580.220	TRUE	5.14E-107

FEV1FVC	TIMP3	rs5994697	A	C	0.058	0.009	0.380	7.29E-11	-0.001	0.003	0.706	0.001	42.436	TRUE	8.94E-10
FEV1FVC	TIMP3	rs5998508	C	G	-0.110	0.009	0.370	1.32E-34	0.001	0.003	0.843	0.004	150.527	TRUE	1.40E-31
FEV1FVC	TIMP3	rs5998617	A	C	-0.389	0.006	0.398	1.00E-200	0.001	0.003	0.850	0.099	3913.076	TRUE	1.00E-200
FEV1FVC	TIMP3	rs5998659	T	A	-0.060	0.010	0.735	1.00E-09	0.007	0.003	0.004	0.001	37.315	TRUE	4.66E-07
FEV1FVC	TIMP3	rs60122905	T	C	-0.257	0.033	0.016	9.85E-15	-0.006	0.009	0.515	0.002	59.922	TRUE	4.83E-13
FEV1FVC	TIMP3	rs60207395	C	G	0.075	0.009	0.295	1.43E-15	-0.003	0.003	0.258	0.002	63.719	TRUE	2.32E-13
FEV1FVC	TIMP3	rs62232692	A	T	0.070	0.010	0.247	2.46E-12	0.000	0.003	0.992	0.001	49.075	TRUE	1.92E-11
FEV1FVC	TIMP3	rs62239300	T	C	0.081	0.011	0.171	1.44E-12	0.000	0.004	0.942	0.001	50.127	TRUE	1.32E-11
FEV1FVC	TIMP3	rs62241070	T	C	0.131	0.020	0.047	1.21E-10	0.011	0.007	0.108	0.001	41.450	TRUE	1.10E-08
FEV1FVC	TIMP3	rs71313136	A	T	-0.296	0.020	0.052	7.64E-51	-0.005	0.008	0.536	0.006	224.908	TRUE	1.19E-45
FEV1FVC	TIMP3	rs71313140	C	T	-0.524	0.021	0.046	6.30E-143	-0.002	0.006	0.674	0.018	647.891	TRUE	2.41E-129
FEV1FVC	TIMP3	rs7285918	T	A	0.118	0.020	0.047	8.19E-09	-0.005	0.006	0.413	0.001	33.229	TRUE	1.24E-07
FEV1FVC	TIMP3	rs7287551	G	C	-0.096	0.009	0.706	2.04E-24	0.003	0.003	0.277	0.003	103.974	TRUE	3.10E-21
FEV1FVC	TIMP3	rs73156461	T	C	0.779	0.011	0.082	1.00E-200	-0.007	0.004	0.093	0.119	4785.725	TRUE	1.00E-200
FEV1FVC	TIMP3	rs73397277	T	C	-0.105	0.013	0.115	8.75E-15	-0.007	0.004	0.082	0.002	60.156	TRUE	3.98E-12
FEV1FVC	TIMP3	rs73398872	C	G	-0.141	0.019	0.053	2.43E-13	0.005	0.007	0.457	0.002	53.619	TRUE	1.01E-11
FEV1FVC	TIMP3	rs7364196	T	C	0.053	0.009	0.361	2.37E-09	-0.001	0.003	0.565	0.001	35.645	TRUE	2.69E-08
FEV1FVC	TIMP3	rs737726	T	C	-0.061	0.011	0.198	1.54E-08	0.006	0.003	0.075	0.001	31.999	TRUE	8.65E-07
FEV1FVC	TIMP3	rs74616349	T	C	-0.089	0.013	0.115	5.24E-11	0.002	0.004	0.664	0.001	43.085	TRUE	7.07E-10
FEV1FVC	TIMP3	rs75021466	C	T	0.252	0.018	0.058	6.25E-43	-0.009	0.005	0.090	0.005	188.643	TRUE	8.77E-37
FEV1FVC	TIMP3	rs77323849	T	C	-0.147	0.019	0.057	5.72E-15	-0.007	0.005	0.138	0.002	60.992	TRUE	1.71E-12
FEV1FVC	TIMP3	rs77421051	T	C	0.312	0.031	0.021	3.08E-24	-0.005	0.007	0.496	0.003	103.160	TRUE	1.55E-21
FEV1FVC	TIMP3	rs77798353	A	G	0.199	0.019	0.051	3.08E-25	-0.007	0.005	0.203	0.003	107.727	TRUE	9.81E-22
FEV1FVC	TIMP3	rs78367494	T	C	0.133	0.024	0.035	1.62E-08	0.003	0.007	0.689	0.001	31.899	TRUE	1.18E-07
FEV1FVC	TIMP3	rs78879501	A	G	-0.353	0.047	0.008	1.07E-13	0.005	0.014	0.716	0.002	55.225	TRUE	2.30E-12
FEV1FVC	TIMP3	rs79857592	G	A	-0.252	0.020	0.049	5.39E-37	-0.008	0.005	0.100	0.005	161.467	TRUE	1.23E-31
FEV1FVC	TIMP3	rs867129	T	C	0.405	0.037	0.014	4.28E-28	0.009	0.012	0.413	0.003	120.768	TRUE	7.67E-25
FEV1FVC	TIMP3	rs9606937	C	T	-0.070	0.009	0.366	7.36E-15	-0.001	0.002	0.826	0.002	60.496	TRUE	1.45E-13
FEV1FVC	TIMP3	rs9606990	T	C	0.431	0.008	0.192	1.00E-200	-0.008	0.003	0.004	0.079	3050.711	TRUE	1.00E-200
FEV1FVC	TIMP3	rs9609381	T	C	0.159	0.012	0.142	2.03E-37	-0.011	0.004	0.015	0.005	163.404	TRUE	8.00E-31
FEV1FVC	TIMP3	rs9609661	T	C	0.402	0.038	0.013	9.70E-27	-0.001	0.009	0.940	0.003	114.578	TRUE	1.46E-24
FEV1FVC	TIMP3	rs9619260	T	C	0.153	0.011	0.171	3.68E-41	-0.006	0.003	0.101	0.005	180.540	TRUE	2.99E-35
FEV1FVC	TIMP3	rs9621613	G	C	-0.266	0.033	0.017	4.95E-16	0.012	0.015	0.406	0.002	65.811	TRUE	4.91E-14
FEV1FVC	TLR3	rs10007747	A	C	0.060	0.010	0.239	2.02E-09	-0.001	0.003	0.842	0.001	35.957	TRUE	1.30E-08
FEV1FVC	TLR3	rs10022188	C	T	-0.196	0.013	0.124	7.06E-53	0.003	0.004	0.386	0.007	234.239	TRUE	4.98E-47
FEV1FVC	TLR3	rs10032656	A	G	-0.057	0.009	0.374	8.37E-11	-0.004	0.003	0.153	0.001	42.167	TRUE	6.24E-09
FEV1FVC	TLR3	rs10033502	T	C	0.096	0.015	0.094	5.17E-11	-0.005	0.004	0.242	0.001	43.109	TRUE	2.58E-09
FEV1FVC	TLR3	rs10471185	G	A	-0.071	0.011	0.176	3.30E-10	0.001	0.004	0.758	0.001	39.484	TRUE	2.93E-09
FEV1FVC	TLR3	rs10866290	C	T	0.105	0.009	0.328	4.92E-31	0.003	0.003	0.267	0.004	134.202	TRUE	4.53E-27
FEV1FVC	TLR3	rs111286548	T	C	-0.283	0.018	0.063	1.50E-57	-0.002	0.005	0.738	0.007	255.663	TRUE	2.98E-52
FEV1FVC	TLR3	rs11132371	T	C	0.071	0.013	0.879	3.56E-08	0.002	0.004	0.625	0.001	30.373	TRUE	2.68E-07
FEV1FVC	TLR3	rs11132375	T	C	0.130	0.013	0.113	7.12E-22	0.002	0.004	0.532	0.003	92.383	TRUE	1.73E-19

FEV1FVC	TLR3	rs11132398	C	T	0.106	0.009	0.614	5.03E-34	0.000	0.003	0.994	0.004	147.876	TRUE	2.42E-31
FEV1FVC	TLR3	rs111363884	A	G	0.247	0.021	0.042	3.81E-31	0.008	0.006	0.163	0.004	134.706	TRUE	8.35E-27
FEV1FVC	TLR3	rs111881870	T	G	0.187	0.023	0.034	1.10E-15	-0.002	0.006	0.776	0.002	64.237	TRUE	3.00E-14
FEV1FVC	TLR3	rs112188402	T	C	0.124	0.017	0.063	1.10E-12	0.006	0.005	0.233	0.001	50.649	TRUE	9.30E-11
FEV1FVC	TLR3	rs113279394	C	T	0.110	0.017	0.065	1.73E-10	0.003	0.006	0.619	0.001	40.750	TRUE	2.36E-09
FEV1FVC	TLR3	rs113289632	T	A	-0.062	0.011	0.173	2.04E-08	0.001	0.004	0.758	0.001	31.458	TRUE	1.26E-07
FEV1FVC	TLR3	rs114003776	A	G	-0.327	0.048	0.007	1.15E-11	-0.007	0.015	0.634	0.001	46.061	TRUE	1.93E-10
FEV1FVC	TLR3	rs114217826	T	C	0.194	0.022	0.039	3.00E-19	-0.001	0.008	0.907	0.002	80.432	TRUE	1.16E-17
FEV1FVC	TLR3	rs114333945	T	C	0.228	0.040	0.011	1.14E-08	-0.016	0.010	0.126	0.001	32.580	TRUE	4.88E-07
FEV1FVC	TLR3	rs114437601	A	G	-0.183	0.026	0.028	1.56E-12	0.003	0.008	0.737	0.001	49.972	TRUE	2.43E-11
FEV1FVC	TLR3	rs115104187	G	T	-0.482	0.045	0.009	8.71E-27	0.015	0.013	0.251	0.003	114.793	TRUE	2.93E-23
FEV1FVC	TLR3	rs115531755	T	C	0.269	0.026	0.028	8.40E-25	-0.006	0.009	0.479	0.003	105.736	TRUE	5.01E-22
FEV1FVC	TLR3	rs115532887	T	A	0.273	0.017	0.064	9.65E-56	-0.007	0.007	0.290	0.007	247.373	TRUE	2.98E-49
FEV1FVC	TLR3	rs115895037	A	G	0.233	0.028	0.024	5.99E-17	-0.001	0.008	0.871	0.002	69.976	TRUE	1.61E-15
FEV1FVC	TLR3	rs116046559	T	C	-0.260	0.039	0.013	3.26E-11	0.018	0.013	0.164	0.001	44.010	TRUE	2.55E-09
FEV1FVC	TLR3	rs116162570	G	A	-0.180	0.023	0.033	1.12E-14	0.002	0.006	0.785	0.002	59.663	TRUE	2.42E-13
FEV1FVC	TLR3	rs116191943	T	C	0.312	0.025	0.028	7.42E-36	0.001	0.006	0.831	0.004	156.252	TRUE	1.09E-32
FEV1FVC	TLR3	rs116310238	C	G	-0.169	0.016	0.075	5.11E-26	0.005	0.005	0.352	0.003	111.284	TRUE	7.54E-23
FEV1FVC	TLR3	rs116346695	G	C	0.137	0.021	0.044	3.55E-11	0.005	0.007	0.467	0.001	43.843	TRUE	8.34E-10
FEV1FVC	TLR3	rs116347923	A	C	-0.303	0.022	0.040	4.48E-45	0.002	0.009	0.827	0.006	198.471	TRUE	4.22E-41
FEV1FVC	TLR3	rs116350868	T	G	-0.513	0.032	0.018	1.20E-57	0.005	0.012	0.702	0.007	256.117	TRUE	3.10E-52
FEV1FVC	TLR3	rs116837982	T	C	0.155	0.018	0.061	3.54E-18	-0.004	0.006	0.563	0.002	75.559	TRUE	3.34E-16
FEV1FVC	TLR3	rs11726440	T	C	-0.067	0.012	0.146	2.26E-08	-0.002	0.003	0.633	0.001	31.252	TRUE	1.81E-07
FEV1FVC	TLR3	rs11731534	A	C	-0.252	0.035	0.015	4.89E-13	-0.005	0.009	0.574	0.001	52.244	TRUE	1.34E-11
FEV1FVC	TLR3	rs11735109	G	A	-0.145	0.024	0.032	2.43E-09	0.009	0.008	0.276	0.001	35.590	TRUE	6.45E-08
FEV1FVC	TLR3	rs12644930	T	C	0.119	0.019	0.057	1.79E-10	-0.005	0.006	0.446	0.001	40.687	TRUE	3.80E-09
FEV1FVC	TLR3	rs12646506	T	C	0.201	0.021	0.043	7.54E-22	-0.006	0.006	0.273	0.003	92.271	TRUE	6.33E-19
FEV1FVC	TLR3	rs12647750	C	T	0.097	0.018	0.063	3.75E-08	0.003	0.005	0.505	0.001	30.275	TRUE	3.78E-07
FEV1FVC	TLR3	rs12649789	C	T	-0.117	0.012	0.867	4.81E-21	-0.003	0.004	0.488	0.002	88.604	TRUE	1.11E-18
FEV1FVC	TLR3	rs1280108	T	C	-0.345	0.058	0.005	2.46E-09	0.010	0.019	0.585	0.001	35.567	TRUE	2.72E-08
FEV1FVC	TLR3	rs13126816	A	G	-0.394	0.008	0.226	1.00E-200	0.009	0.003	7.65E-04	0.065	2454.132	TRUE	1.00E-200
FEV1FVC	TLR3	rs13152068	G	A	-0.078	0.009	0.340	3.56E-18	-0.002	0.003	0.580	0.002	75.547	TRUE	3.23E-16
FEV1FVC	TLR3	rs1356672	T	G	-0.127	0.010	0.249	4.99E-38	-0.001	0.003	0.869	0.005	166.197	TRUE	9.79E-35
FEV1FVC	TLR3	rs139453602	A	G	0.218	0.027	0.026	1.05E-15	-0.007	0.009	0.461	0.002	64.327	TRUE	7.78E-14
FEV1FVC	TLR3	rs140275414	A	G	-0.235	0.025	0.030	3.42E-21	-0.012	0.009	0.200	0.003	89.280	TRUE	3.84E-18
FEV1FVC	TLR3	rs141688211	C	T	-0.145	0.025	0.029	4.35E-09	0.012	0.008	0.128	0.001	34.456	TRUE	2.14E-07
FEV1FVC	TLR3	rs142261826	A	G	0.327	0.040	0.011	6.83E-16	0.005	0.011	0.672	0.002	65.178	TRUE	2.66E-14
FEV1FVC	TLR3	rs142316601	T	G	0.311	0.032	0.018	8.10E-23	-0.001	0.009	0.937	0.003	96.686	TRUE	5.61E-21
FEV1FVC	TLR3	rs142855742	T	C	-0.245	0.018	0.061	1.72E-44	-0.004	0.006	0.455	0.005	195.797	TRUE	1.08E-39
FEV1FVC	TLR3	rs143430078	G	A	0.184	0.031	0.020	3.39E-09	-0.006	0.013	0.630	0.001	34.943	TRUE	3.26E-08
FEV1FVC	TLR3	rs143546139	G	T	0.267	0.030	0.020	2.23E-19	-0.020	0.010	0.046	0.002	81.021	TRUE	8.00E-16
FEV1FVC	TLR3	rs144715116	T	C	0.209	0.034	0.016	7.73E-10	-0.004	0.010	0.692	0.001	37.825	TRUE	7.57E-09

FEV1FVC	TLR3	rs144909861	A	G	0.489	0.089	0.003	3.24E-08	0.008	0.011	0.462	0.001	30.555	TRUE	3.64E-07
FEV1FVC	TLR3	rs144939861	T	G	-0.475	0.078	0.003	9.58E-10	0.017	0.017	0.311	0.001	37.406	TRUE	2.53E-08
FEV1FVC	TLR3	rs145094494	A	G	0.277	0.045	0.009	1.10E-09	0.013	0.012	0.280	0.001	37.142	TRUE	3.20E-08
FEV1FVC	TLR3	rs145183024	G	A	0.225	0.040	0.011	2.45E-08	0.006	0.010	0.556	0.001	31.096	TRUE	2.30E-07
FEV1FVC	TLR3	rs146679154	G	A	-0.200	0.034	0.016	3.65E-09	0.024	0.012	0.043	0.001	34.801	TRUE	3.90E-07
FEV1FVC	TLR3	rs147247971	A	G	0.181	0.032	0.017	2.37E-08	-0.015	0.011	0.165	0.001	31.160	TRUE	7.35E-07
FEV1FVC	TLR3	rs147303647	G	T	-0.511	0.048	0.008	7.16E-27	0.010	0.012	0.411	0.003	115.182	TRUE	9.61E-24
FEV1FVC	TLR3	rs147351040	T	C	-0.242	0.026	0.028	7.49E-21	-0.008	0.008	0.355	0.002	87.728	TRUE	3.12E-18
FEV1FVC	TLR3	rs148167170	G	T	0.196	0.030	0.021	5.72E-11	0.009	0.009	0.330	0.001	42.910	TRUE	1.97E-09
FEV1FVC	TLR3	rs148620167	A	G	-0.473	0.046	0.008	3.00E-25	0.007	0.014	0.636	0.003	107.774	TRUE	1.04E-22
FEV1FVC	TLR3	rs149044294	A	G	-0.218	0.032	0.017	9.43E-12	0.010	0.011	0.362	0.001	46.442	TRUE	3.61E-10
FEV1FVC	TLR3	rs149328787	T	C	-0.233	0.036	0.014	1.29E-10	-0.003	0.014	0.804	0.001	41.326	TRUE	1.13E-09
FEV1FVC	TLR3	rs150068321	T	C	0.254	0.026	0.027	7.67E-23	0.003	0.010	0.777	0.003	96.795	TRUE	9.49E-21
FEV1FVC	TLR3	rs151321840	C	T	0.235	0.025	0.030	3.52E-21	0.012	0.010	0.234	0.003	89.221	TRUE	3.15E-18
FEV1FVC	TLR3	rs1534146	T	C	-0.076	0.011	0.816	3.70E-12	0.003	0.003	0.400	0.001	48.273	TRUE	1.41E-10
FEV1FVC	TLR3	rs184456818	T	C	0.154	0.027	0.026	1.06E-08	-0.003	0.010	0.802	0.001	32.728	TRUE	6.28E-08
FEV1FVC	TLR3	rs186072726	C	A	-0.189	0.028	0.024	7.37E-12	0.013	0.011	0.263	0.001	46.924	TRUE	4.34E-10
FEV1FVC	TLR3	rs186593226	T	C	-0.305	0.040	0.012	4.54E-14	-0.008	0.009	0.383	0.002	56.916	TRUE	3.01E-12
FEV1FVC	TLR3	rs190727994	A	G	0.208	0.032	0.019	6.02E-11	0.008	0.011	0.477	0.001	42.813	TRUE	1.31E-09
FEV1FVC	TLR3	rs1946976	T	A	0.130	0.011	0.815	9.95E-33	0.002	0.003	0.525	0.004	141.947	TRUE	3.05E-29
FEV1FVC	TLR3	rs1960569	G	A	-0.053	0.009	0.615	1.19E-09	0.001	0.003	0.710	0.001	36.984	TRUE	1.08E-08
FEV1FVC	TLR3	rs2035549	C	T	-0.118	0.021	0.955	1.10E-08	-0.014	0.007	0.050	0.001	32.659	TRUE	8.64E-07
FEV1FVC	TLR3	rs2130908	T	C	0.081	0.010	0.248	1.93E-16	-0.004	0.003	0.163	0.002	67.665	TRUE	7.63E-14
FEV1FVC	TLR3	rs2310394	G	T	-0.406	0.008	0.764	1.00E-200	0.001	0.003	0.815	0.072	2742.581	TRUE	1.00E-200
FEV1FVC	TLR3	rs2648121	T	C	0.053	0.009	0.652	2.86E-09	0.002	0.003	0.389	0.001	35.272	TRUE	5.40E-08
FEV1FVC	TLR3	rs2648124	G	A	0.125	0.015	0.910	1.63E-17	0.007	0.006	0.234	0.002	72.548	TRUE	5.37E-15
FEV1FVC	TLR3	rs28525419	T	C	0.092	0.011	0.179	1.21E-16	-0.006	0.003	0.040	0.002	68.596	TRUE	2.07E-13
FEV1FVC	TLR3	rs28548142	T	C	-0.186	0.012	0.139	3.31E-52	-0.001	0.003	0.757	0.006	231.161	TRUE	1.93E-47
FEV1FVC	TLR3	rs28611030	G	A	0.081	0.011	0.202	1.40E-14	0.000	0.003	0.889	0.002	59.227	TRUE	2.20E-13
FEV1FVC	TLR3	rs28640898	C	T	0.071	0.013	0.118	4.96E-08	-0.007	0.004	0.120	0.001	29.732	TRUE	1.73E-06
FEV1FVC	TLR3	rs28688222	T	C	-0.081	0.009	0.322	4.84E-19	-0.003	0.003	0.230	0.002	79.488	TRUE	2.40E-16
FEV1FVC	TLR3	rs322442	G	A	-0.062	0.009	0.636	1.84E-12	0.002	0.003	0.427	0.001	49.641	TRUE	6.95E-11
FEV1FVC	TLR3	rs327081	A	G	-0.070	0.010	0.241	1.90E-12	0.004	0.003	0.093	0.001	49.579	TRUE	3.79E-10
FEV1FVC	TLR3	rs327090	G	A	-0.057	0.009	0.684	2.59E-10	0.007	0.003	0.006	0.001	39.957	TRUE	1.32E-07
FEV1FVC	TLR3	rs328419	A	G	-0.086	0.012	0.131	7.69E-12	-0.002	0.004	0.582	0.001	46.842	TRUE	1.58E-10
FEV1FVC	TLR3	rs34059176	A	G	-0.051	0.009	0.426	2.62E-09	0.004	0.003	0.131	0.001	35.447	TRUE	1.32E-07
FEV1FVC	TLR3	rs34532965	A	T	-0.057	0.009	0.302	6.31E-10	0.000	0.003	0.996	0.001	38.221	TRUE	3.15E-09
FEV1FVC	TLR3	rs34836741	C	T	0.089	0.009	0.354	5.58E-24	-0.004	0.002	0.128	0.003	101.985	TRUE	2.64E-20
FEV1FVC	TLR3	rs35706535	C	T	0.327	0.023	0.033	7.78E-46	-0.010	0.006	0.092	0.006	201.954	TRUE	2.23E-39
FEV1FVC	TLR3	rs3733416	A	G	-0.135	0.020	0.047	3.04E-11	0.008	0.005	0.156	0.001	44.147	TRUE	2.54E-09
FEV1FVC	TLR3	rs4241811	T	C	-0.066	0.010	0.776	1.78E-10	0.008	0.003	0.011	0.001	40.697	TRUE	6.74E-08
FEV1FVC	TLR3	rs4253416	T	C	0.116	0.008	0.534	1.71E-42	-0.001	0.002	0.759	0.005	186.638	TRUE	1.27E-38

FEV1FVC	TLR3	rs4394044	T	C	-0.071	0.008	0.531	1.06E-16	0.002	0.002	0.517	0.002	68.852	TRUE	8.57E-15
FEV1FVC	TLR3	rs4565117	T	C	-0.115	0.017	0.933	1.34E-11	-0.004	0.005	0.455	0.001	45.753	TRUE	3.66E-10
FEV1FVC	TLR3	rs464636	T	A	-0.067	0.011	0.185	6.02E-10	0.004	0.003	0.227	0.001	38.314	TRUE	2.25E-08
FEV1FVC	TLR3	rs4861699	G	A	-0.429	0.008	0.792	1.00E-200	0.006	0.003	0.051	0.072	2769.383	TRUE	1.00E-200
FEV1FVC	TLR3	rs4861707	G	A	0.235	0.009	0.300	2.82E-145	-0.001	0.003	0.694	0.018	658.692	TRUE	1.50E-131
FEV1FVC	TLR3	rs4862624	G	T	0.064	0.009	0.645	3.19E-13	-0.001	0.003	0.581	0.001	53.087	TRUE	8.68E-12
FEV1FVC	TLR3	rs4862670	T	A	0.154	0.012	0.858	1.62E-36	0.001	0.004	0.766	0.004	159.274	TRUE	3.54E-33
FEV1FVC	TLR3	rs4862688	G	T	-0.086	0.012	0.851	7.13E-13	-0.004	0.003	0.181	0.001	51.505	TRUE	8.47E-11
FEV1FVC	TLR3	rs4862733	C	T	-0.084	0.009	0.342	3.97E-21	-0.002	0.003	0.508	0.002	88.986	TRUE	9.41E-19
FEV1FVC	TLR3	rs55685403	C	G	-0.079	0.014	0.106	7.51E-09	-0.004	0.004	0.323	0.001	33.397	TRUE	1.45E-07
FEV1FVC	TLR3	rs55750309	G	A	-0.129	0.022	0.039	2.32E-09	0.019	0.011	0.098	0.001	35.679	TRUE	1.52E-07
FEV1FVC	TLR3	rs56112616	A	G	-0.316	0.026	0.026	1.66E-33	0.009	0.007	0.203	0.004	145.505	TRUE	4.70E-29
FEV1FVC	TLR3	rs56257062	A	C	0.080	0.013	0.131	1.68E-10	-0.003	0.004	0.359	0.001	40.803	TRUE	4.68E-09
FEV1FVC	TLR3	rs58621366	A	G	0.238	0.010	0.261	3.21E-136	-0.004	0.003	0.156	0.017	617.054	TRUE	1.64E-120
FEV1FVC	TLR3	rs59250145	T	A	0.098	0.012	0.136	1.68E-15	0.004	0.004	0.310	0.002	63.401	TRUE	2.22E-13
FEV1FVC	TLR3	rs60794311	G	A	-0.493	0.087	0.002	1.56E-08	0.015	0.028	0.588	0.001	31.982	TRUE	1.41E-07
FEV1FVC	TLR3	rs60948654	T	C	0.066	0.009	0.326	3.73E-13	0.004	0.003	0.132	0.001	52.777	TRUE	6.76E-11
FEV1FVC	TLR3	rs61217267	T	C	-0.211	0.028	0.025	2.74E-14	0.000	0.007	0.950	0.002	57.909	TRUE	3.48E-13
FEV1FVC	TLR3	rs62334689	G	A	-0.231	0.014	0.102	5.90E-61	0.001	0.004	0.817	0.008	271.290	TRUE	1.61E-55
FEV1FVC	TLR3	rs62335266	C	T	0.245	0.037	0.014	5.16E-11	0.005	0.009	0.572	0.001	43.114	TRUE	8.88E-10
FEV1FVC	TLR3	rs62335676	C	T	-0.088	0.015	0.085	5.86E-09	-0.008	0.005	0.083	0.001	33.880	TRUE	3.77E-07
FEV1FVC	TLR3	rs62342733	A	G	-0.135	0.016	0.075	1.98E-17	-0.002	0.004	0.583	0.002	72.158	TRUE	1.48E-15
FEV1FVC	TLR3	rs62350488	T	A	0.133	0.019	0.052	2.49E-12	-0.003	0.006	0.667	0.001	49.055	TRUE	4.54E-11
FEV1FVC	TLR3	rs62350517	C	G	-0.318	0.016	0.072	2.20E-87	0.007	0.005	0.171	0.011	392.618	TRUE	6.65E-77
FEV1FVC	TLR3	rs6822014	G	A	-0.239	0.011	0.200	8.41E-113	-0.003	0.003	0.279	0.014	509.413	TRUE	2.46E-100
FEV1FVC	TLR3	rs6822725	T	C	0.084	0.013	0.880	2.32E-10	0.003	0.004	0.383	0.001	40.173	TRUE	5.89E-09
FEV1FVC	TLR3	rs6828130	C	G	-0.092	0.014	0.110	1.02E-11	0.001	0.004	0.845	0.001	46.293	TRUE	1.05E-10
FEV1FVC	TLR3	rs6832915	A	C	0.063	0.010	0.211	1.15E-09	0.005	0.003	0.108	0.001	37.044	TRUE	7.68E-08
FEV1FVC	TLR3	rs6839415	C	T	-0.110	0.013	0.112	3.97E-16	0.006	0.005	0.249	0.002	66.249	TRUE	8.00E-14
FEV1FVC	TLR3	rs6839642	C	A	-0.079	0.010	0.766	2.06E-15	0.000	0.003	0.959	0.002	63.004	TRUE	3.10E-14
FEV1FVC	TLR3	rs6850080	C	T	0.051	0.009	0.307	2.32E-08	0.003	0.003	0.324	0.001	31.209	TRUE	4.04E-07
FEV1FVC	TLR3	rs6850790	A	G	-0.248	0.011	0.166	5.14E-106	0.001	0.003	0.756	0.013	478.220	TRUE	2.82E-96
FEV1FVC	TLR3	rs6856458	G	A	0.156	0.011	0.197	6.38E-49	0.001	0.003	0.830	0.006	216.100	TRUE	1.28E-44
FEV1FVC	TLR3	rs72646294	A	G	-0.236	0.031	0.020	2.06E-14	-0.015	0.009	0.119	0.002	58.473	TRUE	5.96E-12
FEV1FVC	TLR3	rs72708972	T	C	-0.440	0.013	0.114	6.58E-245	0.002	0.004	0.688	0.030	1116.963	TRUE	3.86E-221
FEV1FVC	TLR3	rs72709988	G	A	0.108	0.019	0.053	1.27E-08	-0.004	0.005	0.441	0.001	32.378	TRUE	1.67E-07
FEV1FVC	TLR3	rs72710517	T	G	0.223	0.009	0.299	4.56E-130	-0.003	0.003	0.313	0.016	588.771	TRUE	5.50E-116
FEV1FVC	TLR3	rs72711509	G	A	0.095	0.015	0.084	4.77E-10	0.000	0.005	0.984	0.001	38.767	TRUE	2.53E-09
FEV1FVC	TLR3	rs72711550	G	T	-0.160	0.011	0.162	2.76E-44	0.005	0.003	0.130	0.005	194.851	TRUE	3.16E-38
FEV1FVC	TLR3	rs72712063	G	A	0.094	0.015	0.086	5.80E-10	-0.001	0.005	0.784	0.001	38.386	TRUE	4.73E-09
FEV1FVC	TLR3	rs72712610	A	G	-0.183	0.024	0.031	2.02E-14	-0.002	0.008	0.840	0.002	58.507	TRUE	3.55E-13
FEV1FVC	TLR3	rs72718122	T	C	-0.125	0.014	0.098	3.30E-18	-0.001	0.004	0.761	0.002	75.698	TRUE	1.66E-16

FEV1FVC	TLR3	rs73021892	C	T	-0.071	0.010	0.227	1.65E-12	-0.003	0.003	0.320	0.001	49.858	TRUE	9.21E-11
FEV1FVC	TLR3	rs73873620	G	A	0.113	0.014	0.098	1.56E-15	0.000	0.005	0.943	0.002	63.550	TRUE	2.55E-14
FEV1FVC	TLR3	rs73875751	A	G	0.237	0.039	0.012	1.38E-09	-0.002	0.010	0.876	0.001	36.692	TRUE	8.38E-09
FEV1FVC	TLR3	rs73876146	C	T	-0.289	0.039	0.012	1.03E-13	-0.005	0.010	0.605	0.002	55.313	TRUE	3.02E-12
FEV1FVC	TLR3	rs74631384	A	T	-0.168	0.015	0.086	1.56E-28	-0.011	0.006	0.043	0.003	122.772	TRUE	1.12E-23
FEV1FVC	TLR3	rs74821579	C	A	-0.212	0.037	0.013	1.39E-08	-0.011	0.010	0.268	0.001	32.204	TRUE	3.06E-07
FEV1FVC	TLR3	rs74868135	A	G	-0.170	0.022	0.037	3.96E-14	0.002	0.006	0.719	0.002	57.184	TRUE	9.12E-13
FEV1FVC	TLR3	rs75163896	A	G	-0.095	0.013	0.114	1.42E-12	0.005	0.004	0.220	0.001	50.155	TRUE	1.25E-10
FEV1FVC	TLR3	rs75207507	G	A	-0.253	0.036	0.014	2.96E-12	0.012	0.009	0.167	0.001	48.710	TRUE	3.12E-10
FEV1FVC	TLR3	rs75313972	A	G	0.196	0.034	0.015	6.36E-09	0.006	0.008	0.477	0.001	33.719	TRUE	8.33E-08
FEV1FVC	TLR3	rs75338999	G	A	-0.230	0.029	0.022	2.23E-15	0.004	0.007	0.613	0.002	62.843	TRUE	9.21E-14
FEV1FVC	TLR3	rs75559345	T	C	0.205	0.028	0.024	1.67E-13	-0.002	0.014	0.866	0.002	54.358	TRUE	2.30E-12
FEV1FVC	TLR3	rs75620353	T	C	0.271	0.021	0.040	3.85E-37	0.002	0.008	0.760	0.005	162.133	TRUE	9.92E-34
FEV1FVC	TLR3	rs75822539	A	G	0.103	0.011	0.154	1.27E-19	-0.005	0.004	0.207	0.002	82.129	TRUE	8.76E-17
FEV1FVC	TLR3	rs76577211	C	T	-0.415	0.071	0.004	5.21E-09	0.001	0.014	0.959	0.001	34.107	TRUE	2.38E-08
FEV1FVC	TLR3	rs7661225	A	G	-0.086	0.015	0.914	1.81E-08	0.005	0.004	0.215	0.001	31.692	TRUE	4.68E-07
FEV1FVC	TLR3	rs76796229	G	A	0.129	0.022	0.042	2.59E-09	0.000	0.005	0.999	0.001	35.471	TRUE	1.15E-08
FEV1FVC	TLR3	rs7687352	G	A	-0.064	0.008	0.534	4.58E-14	0.001	0.002	0.740	0.002	56.898	TRUE	9.93E-13
FEV1FVC	TLR3	rs7690862	T	C	-0.228	0.026	0.028	1.28E-18	-0.010	0.010	0.316	0.002	77.566	TRUE	3.69E-16
FEV1FVC	TLR3	rs76953615	G	A	-0.112	0.017	0.062	7.98E-11	-0.001	0.005	0.812	0.001	42.260	TRUE	7.28E-10
FEV1FVC	TLR3	rs77248592	C	T	-0.116	0.018	0.061	9.81E-11	-0.006	0.006	0.277	0.001	41.858	TRUE	3.91E-09
FEV1FVC	TLR3	rs77409755	C	T	0.123	0.018	0.058	1.56E-11	0.003	0.006	0.647	0.001	45.452	TRUE	2.49E-10
FEV1FVC	TLR3	rs77804005	G	A	-0.076	0.011	0.204	6.15E-13	-0.002	0.003	0.426	0.001	51.796	TRUE	2.54E-11
FEV1FVC	TLR3	rs77818199	C	T	0.138	0.017	0.068	2.35E-16	-0.008	0.005	0.108	0.002	67.277	TRUE	1.34E-13
FEV1FVC	TLR3	rs77842378	A	G	0.306	0.043	0.010	8.58E-13	-0.009	0.012	0.473	0.001	51.142	TRUE	2.98E-11
FEV1FVC	TLR3	rs77855456	T	G	0.211	0.016	0.075	3.36E-39	-0.001	0.004	0.803	0.005	171.559	TRUE	1.11E-35
FEV1FVC	TLR3	rs77963370	A	G	0.404	0.029	0.021	3.81E-43	-0.013	0.008	0.104	0.005	189.628	TRUE	4.50E-37
FEV1FVC	TLR3	rs78288542	A	G	-0.172	0.020	0.045	1.83E-17	0.002	0.005	0.673	0.002	72.320	TRUE	1.01E-15
FEV1FVC	TLR3	rs78633472	T	C	-0.415	0.033	0.017	5.76E-36	-0.004	0.008	0.601	0.004	156.758	TRUE	2.39E-32
FEV1FVC	TLR3	rs78700143	A	G	0.197	0.023	0.038	5.10E-18	-0.001	0.008	0.923	0.002	74.836	TRUE	1.45E-16
FEV1FVC	TLR3	rs79291768	T	C	-0.451	0.043	0.010	4.41E-26	-0.004	0.014	0.787	0.003	111.578	TRUE	1.01E-23
FEV1FVC	TLR3	rs79405178	T	C	-0.289	0.028	0.022	2.66E-24	0.017	0.011	0.135	0.003	103.451	TRUE	1.22E-20
FEV1FVC	TLR3	rs79535758	A	G	-0.210	0.036	0.014	6.21E-09	0.010	0.010	0.316	0.001	33.766	TRUE	1.30E-07
FEV1FVC	TLR3	rs830829	T	G	-0.058	0.009	0.553	1.23E-11	0.001	0.003	0.584	0.001	45.925	TRUE	2.41E-10
FEV1FVC	TLR3	rs919649	C	T	0.103	0.014	0.903	3.25E-13	-0.005	0.005	0.264	0.001	53.048	TRUE	2.85E-11
FEV1FVC	TLR3	rs9993535	A	C	-0.070	0.010	0.206	2.04E-11	0.003	0.003	0.438	0.001	44.930	TRUE	5.51E-10
FEV1FVC	TLR3	rs9995398	T	C	0.080	0.009	0.324	9.07E-19	-0.001	0.003	0.579	0.002	78.247	TRUE	8.79E-17
FEV1FVC	TLR3	rs9998709	G	A	-0.079	0.010	0.242	1.03E-15	0.004	0.003	0.180	0.002	64.363	TRUE	3.00E-13
FEV1FVC	WWOX	rs11545029	A	G	-0.070	0.008	0.617	6.34E-18	-0.006	0.002	0.021	0.002	74.407	TRUE	3.03E-14
FEV1FVC	WWOX	rs12596766	C	G	0.047	0.009	0.299	3.82E-08	0.007	0.003	0.014	0.001	30.237	TRUE	5.25E-06
FEV1FVC	WWOX	rs4888769	C	T	0.051	0.008	0.606	1.47E-10	0.005	0.002	0.048	0.001	41.069	TRUE	2.57E-08
PEF	COL2A1	rs10748462	G	A	0.054	0.008	0.666	1.68E-10	0.000	0.003	0.952	0.001	40.803	TRUE	1.38E-09

PEF	COL2A1	rs10783218	A	G	-0.103	0.019	0.048	3.54E-08	-0.004	0.009	0.628	0.001	30.385	TRUE	3.37E-07
PEF	COL2A1	rs111533205	T	C	-0.665	0.056	0.005	4.17E-32	0.012	0.021	0.565	0.004	139.101	TRUE	2.26E-28
PEF	COL2A1	rs11168223	C	T	0.112	0.011	0.152	6.53E-24	0.006	0.004	0.123	0.003	101.673	TRUE	7.38E-20
PEF	COL2A1	rs11168255	T	C	-0.130	0.023	0.034	1.54E-08	0.014	0.010	0.183	0.001	31.998	TRUE	6.37E-07
PEF	COL2A1	rs11168275	C	T	-0.055	0.009	0.240	5.40E-09	0.005	0.003	0.174	0.001	34.039	TRUE	2.73E-07
PEF	COL2A1	rs11168643	A	G	-0.173	0.018	0.051	1.71E-21	-0.002	0.006	0.668	0.003	90.650	TRUE	4.15E-19
PEF	COL2A1	rs11168644	C	T	-0.419	0.017	0.061	6.58E-142	-0.002	0.006	0.797	0.018	643.209	TRUE	3.07E-127
PEF	COL2A1	rs11183701	T	C	-0.172	0.026	0.024	3.11E-11	0.019	0.009	0.041	0.001	44.102	TRUE	1.21E-08
PEF	COL2A1	rs11183780	C	G	0.222	0.034	0.014	6.06E-11	-0.013	0.014	0.356	0.001	42.797	TRUE	2.77E-09
PEF	COL2A1	rs11574005	T	C	-0.255	0.027	0.024	1.64E-21	0.005	0.009	0.558	0.003	90.736	TRUE	6.40E-19
PEF	COL2A1	rs11574024	T	G	-0.287	0.014	0.087	1.05E-93	0.003	0.005	0.519	0.012	421.653	TRUE	3.90E-83
PEF	COL2A1	rs11574042	G	C	0.097	0.015	0.072	3.27E-10	0.004	0.005	0.446	0.001	39.504	TRUE	8.78E-09
PEF	COL2A1	rs11574049	G	A	-0.218	0.021	0.036	2.18E-24	-0.014	0.008	0.095	0.003	103.843	TRUE	3.97E-20
PEF	COL2A1	rs11574052	T	C	-0.212	0.018	0.053	1.14E-31	-0.006	0.007	0.370	0.004	137.113	TRUE	1.64E-27
PEF	COL2A1	rs116875637	G	A	0.197	0.024	0.029	8.77E-17	0.015	0.010	0.124	0.002	69.225	TRUE	9.57E-14
PEF	COL2A1	rs116980141	T	C	-0.343	0.048	0.007	7.88E-13	-0.007	0.010	0.464	0.001	51.309	TRUE	4.26E-11
PEF	COL2A1	rs116982128	A	G	-0.211	0.024	0.029	1.62E-18	-0.007	0.008	0.376	0.002	77.105	TRUE	6.01E-16
PEF	COL2A1	rs117100618	G	A	-0.695	0.022	0.032	1.60E-218	0.002	0.012	0.890	0.027	995.575	TRUE	6.04E-196
PEF	COL2A1	rs117307647	G	A	-0.102	0.014	0.088	2.84E-13	-0.003	0.005	0.464	0.001	53.312	TRUE	1.74E-11
PEF	COL2A1	rs117328080	T	C	0.251	0.012	0.120	6.17E-94	0.003	0.005	0.499	0.012	422.721	TRUE	3.15E-83
PEF	COL2A1	rs117379012	A	G	0.219	0.036	0.013	9.38E-10	-0.002	0.010	0.870	0.001	37.449	TRUE	7.58E-09
PEF	COL2A1	rs117745959	C	T	0.204	0.021	0.039	1.96E-22	-0.007	0.008	0.435	0.003	94.942	TRUE	1.65E-19
PEF	COL2A1	rs118006188	T	C	0.172	0.020	0.040	6.10E-18	0.005	0.007	0.516	0.002	74.486	TRUE	1.07E-15
PEF	COL2A1	rs12299449	A	G	0.067	0.008	0.358	6.04E-16	0.000	0.003	0.909	0.002	65.421	TRUE	1.79E-14
PEF	COL2A1	rs12423250	T	C	-0.426	0.007	0.172	1.00E-200	0.010	0.003	0.003	0.085	3313.178	TRUE	1.00E-200
PEF	COL2A1	rs12578229	G	T	-0.128	0.020	0.038	3.28E-10	0.007	0.006	0.288	0.001	39.499	TRUE	1.54E-08
PEF	COL2A1	rs12721364	A	G	-0.158	0.011	0.151	4.21E-46	0.002	0.004	0.628	0.006	203.179	TRUE	4.94E-41
PEF	COL2A1	rs12811832	A	G	0.328	0.006	0.407	1.00E-200	0.006	0.003	0.021	0.087	3384.184	TRUE	1.00E-200
PEF	COL2A1	rs12813703	C	G	0.103	0.017	0.064	5.13E-10	-0.001	0.005	0.781	0.001	38.624	TRUE	5.48E-09
PEF	COL2A1	rs12819763	A	C	-0.152	0.016	0.065	8.86E-21	-0.001	0.005	0.790	0.002	87.396	TRUE	1.18E-18
PEF	COL2A1	rs12829842	G	C	-0.092	0.009	0.286	4.79E-25	-0.001	0.003	0.798	0.003	106.848	TRUE	1.61E-22
PEF	COL2A1	rs138126224	T	G	-0.231	0.030	0.019	6.27E-15	-0.001	0.009	0.894	0.002	60.812	TRUE	1.54E-13
PEF	COL2A1	rs138284922	C	T	-0.336	0.029	0.018	2.86E-30	-0.002	0.010	0.872	0.004	130.708	TRUE	2.45E-27
PEF	COL2A1	rs138403579	C	T	-0.186	0.016	0.064	2.76E-30	0.007	0.006	0.216	0.004	130.776	TRUE	8.05E-26
PEF	COL2A1	rs138436623	C	A	-0.241	0.028	0.020	1.66E-17	0.003	0.008	0.729	0.002	72.507	TRUE	1.26E-15
PEF	COL2A1	rs138644715	G	C	-0.164	0.026	0.024	2.87E-10	0.008	0.008	0.328	0.001	39.762	TRUE	1.16E-08
PEF	COL2A1	rs139804130	G	A	0.202	0.033	0.015	5.83E-10	-0.003	0.010	0.796	0.001	38.376	TRUE	5.90E-09
PEF	COL2A1	rs140494514	T	G	0.116	0.016	0.067	6.79E-13	0.001	0.005	0.896	0.001	51.601	TRUE	1.07E-11
PEF	COL2A1	rs141119327	A	G	-0.699	0.052	0.006	1.95E-40	0.000	0.014	0.994	0.005	177.219	TRUE	9.51E-37
PEF	COL2A1	rs141259196	G	A	-0.291	0.031	0.017	2.02E-21	0.006	0.009	0.528	0.003	90.323	TRUE	8.76E-19
PEF	COL2A1	rs141290737	A	G	0.350	0.038	0.011	2.04E-20	-0.033	0.016	0.034	0.002	85.748	TRUE	3.30E-16
PEF	COL2A1	rs142273518	T	G	-0.485	0.028	0.019	4.63E-65	0.001	0.010	0.925	0.008	290.126	TRUE	8.72E-59

PEF	COL2A1	rs142582257	C	A	-0.546	0.026	0.022	7.38E-96	-0.001	0.010	0.885	0.012	431.552	TRUE	2.31E-86
PEF	COL2A1	rs143575891	C	T	0.170	0.031	0.016	3.97E-08	0.002	0.010	0.847	0.001	30.161	TRUE	2.33E-07
PEF	COL2A1	rs144111200	T	C	-0.255	0.017	0.057	1.67E-50	0.012	0.006	0.036	0.006	223.349	TRUE	5.41E-42
PEF	COL2A1	rs144245946	G	A	0.190	0.033	0.014	1.09E-08	0.004	0.011	0.720	0.001	32.674	TRUE	9.74E-08
PEF	COL2A1	rs145117958	C	G	0.319	0.047	0.008	8.76E-12	-0.018	0.016	0.260	0.001	46.585	TRUE	7.62E-10
PEF	COL2A1	rs145827644	T	C	0.062	0.008	0.346	1.36E-13	0.004	0.003	0.186	0.002	54.761	TRUE	3.21E-11
PEF	COL2A1	rs146326038	A	G	0.131	0.021	0.038	2.36E-10	-0.006	0.009	0.495	0.001	40.139	TRUE	5.83E-09
PEF	COL2A1	rs146650182	A	G	0.229	0.034	0.014	1.07E-11	-0.015	0.015	0.291	0.001	46.188	TRUE	8.11E-10
PEF	COL2A1	rs148483784	A	G	0.276	0.034	0.015	1.97E-16	0.004	0.009	0.677	0.002	67.630	TRUE	1.36E-14
PEF	COL2A1	rs148620323	T	C	-0.209	0.033	0.015	3.25E-10	0.007	0.013	0.605	0.001	39.514	TRUE	5.66E-09
PEF	COL2A1	rs148744450	C	T	-0.321	0.028	0.019	1.69E-29	0.006	0.011	0.573	0.004	127.181	TRUE	4.72E-26
PEF	COL2A1	rs1489107	A	G	0.224	0.019	0.045	5.43E-31	0.012	0.007	0.093	0.004	134.006	TRUE	8.35E-26
PEF	COL2A1	rs150917169	C	A	0.176	0.016	0.065	1.40E-27	0.005	0.009	0.577	0.003	118.413	TRUE	2.35E-24
PEF	COL2A1	rs1541408	G	C	-0.595	0.010	0.082	1.00E-200	0.009	0.005	0.050	0.088	3412.912	TRUE	1.00E-200
PEF	COL2A1	rs1642953	T	C	0.149	0.023	0.032	7.24E-11	-0.002	0.007	0.782	0.001	42.451	TRUE	9.64E-10
PEF	COL2A1	rs17123362	A	G	-0.102	0.016	0.069	1.88E-10	0.007	0.005	0.181	0.001	40.591	TRUE	1.55E-08
PEF	COL2A1	rs17238458	T	C	0.151	0.021	0.039	3.06E-13	-0.002	0.008	0.834	0.001	53.167	TRUE	6.12E-12
PEF	COL2A1	rs181651050	T	C	-0.253	0.041	0.010	4.16E-10	0.018	0.016	0.272	0.001	39.035	TRUE	2.00E-08
PEF	COL2A1	rs182874430	A	T	-0.264	0.031	0.017	2.75E-17	-0.015	0.010	0.141	0.002	71.515	TRUE	2.99E-14
PEF	COL2A1	rs184439167	G	C	0.187	0.024	0.027	2.38E-14	0.017	0.013	0.184	0.002	58.186	TRUE	7.04E-12
PEF	COL2A1	rs184711667	A	G	-0.104	0.016	0.068	4.82E-11	-0.001	0.006	0.802	0.001	43.247	TRUE	6.31E-10
PEF	COL2A1	rs187620946	T	C	0.318	0.025	0.026	5.37E-37	0.007	0.012	0.547	0.005	161.472	TRUE	1.09E-32
PEF	COL2A1	rs192066826	A	G	0.246	0.030	0.018	2.67E-16	-0.004	0.009	0.683	0.002	67.032	TRUE	1.73E-14
PEF	COL2A1	rs1990819	T	C	0.075	0.008	0.513	5.50E-21	0.003	0.003	0.185	0.002	88.338	TRUE	1.32E-17
PEF	COL2A1	rs214730	T	C	-0.070	0.013	0.111	3.21E-08	-0.001	0.004	0.865	0.001	30.576	TRUE	1.89E-07
PEF	COL2A1	rs215354	C	T	-0.071	0.012	0.868	3.64E-09	0.002	0.004	0.647	0.001	34.805	TRUE	4.33E-08
PEF	COL2A1	rs2232566	G	A	-0.454	0.020	0.041	9.94E-111	0.010	0.005	0.072	0.014	499.882	TRUE	4.16E-95
PEF	COL2A1	rs2239182	C	T	0.084	0.008	0.514	6.90E-26	-0.001	0.003	0.784	0.003	110.688	TRUE	3.18E-23
PEF	COL2A1	rs2521976	T	G	-0.213	0.024	0.971	3.66E-19	-0.010	0.008	0.208	0.002	80.042	TRUE	4.31E-16
PEF	COL2A1	rs2544037	G	A	0.089	0.008	0.485	5.19E-29	0.001	0.003	0.824	0.004	124.955	TRUE	4.25E-26
PEF	COL2A1	rs2544043	C	G	-0.141	0.015	0.920	4.63E-22	0.001	0.005	0.836	0.003	93.237	TRUE	7.15E-20
PEF	COL2A1	rs2936549	A	G	-0.116	0.009	0.710	5.94E-40	0.000	0.003	0.969	0.005	175.007	TRUE	2.90E-36
PEF	COL2A1	rs34263278	T	C	0.075	0.009	0.263	1.98E-16	0.002	0.003	0.467	0.002	67.622	TRUE	2.76E-14
PEF	COL2A1	rs34702987	G	A	0.240	0.017	0.058	5.52E-45	0.012	0.006	0.038	0.006	198.053	TRUE	2.90E-37
PEF	COL2A1	rs3730064	A	G	0.135	0.015	0.080	4.87E-20	-0.005	0.005	0.302	0.002	84.029	TRUE	4.00E-17
PEF	COL2A1	rs3741619	A	G	-0.093	0.009	0.314	3.15E-27	0.001	0.003	0.833	0.003	116.809	TRUE	1.66E-24
PEF	COL2A1	rs3759149	G	A	0.175	0.027	0.022	1.55E-10	-0.007	0.009	0.388	0.001	40.963	TRUE	5.55E-09
PEF	COL2A1	rs3930023	G	A	0.092	0.008	0.484	8.22E-31	0.001	0.003	0.610	0.004	133.183	TRUE	2.69E-27
PEF	COL2A1	rs4604969	G	A	0.084	0.008	0.394	1.20E-24	0.001	0.003	0.769	0.003	105.027	TRUE	4.49E-22
PEF	COL2A1	rs4760645	T	C	-0.368	0.044	0.008	5.48E-17	0.026	0.014	0.053	0.002	70.151	TRUE	1.59E-13
PEF	COL2A1	rs4760650	T	G	-0.104	0.008	0.576	7.64E-38	-0.004	0.003	0.165	0.005	165.348	TRUE	3.10E-32
PEF	COL2A1	rs4760706	A	G	0.221	0.008	0.605	1.70E-163	0.009	0.003	5.20E-04	0.020	742.474	TRUE	1.48E-135

PEF	COL2A1	rs4768793	C	G	0.079	0.010	0.797	1.03E-15	-0.004	0.003	0.226	0.002	64.363	TRUE	3.60E-13
PEF	COL2A1	rs535558770	T	C	0.319	0.028	0.022	6.82E-30	-0.029	0.012	0.018	0.004	128.981	TRUE	6.38E-24
PEF	COL2A1	rs61751601	G	A	0.172	0.025	0.026	6.97E-12	0.012	0.011	0.257	0.001	47.033	TRUE	6.32E-10
PEF	COL2A1	rs61941110	A	G	0.116	0.013	0.114	2.81E-20	0.005	0.004	0.216	0.002	85.112	TRUE	4.51E-17
PEF	COL2A1	rs61942008	A	G	-0.056	0.009	0.303	2.01E-10	0.006	0.003	0.037	0.001	40.455	TRUE	5.85E-08
PEF	COL2A1	rs61942168	C	T	0.225	0.023	0.030	3.37E-22	0.009	0.009	0.291	0.003	93.866	TRUE	5.68E-19
PEF	COL2A1	rs6580673	C	T	-0.178	0.014	0.908	2.83E-37	0.003	0.004	0.421	0.005	162.747	TRUE	1.28E-32
PEF	COL2A1	rs66774162	T	C	-0.109	0.013	0.104	1.59E-16	0.007	0.004	0.061	0.002	68.048	TRUE	3.31E-13
PEF	COL2A1	rs7132668	T	C	0.247	0.012	0.867	1.21E-99	-0.005	0.003	0.154	0.012	448.952	TRUE	2.51E-86
PEF	COL2A1	rs7136534	T	C	0.256	0.009	0.224	1.08E-163	-0.009	0.003	0.002	0.020	743.391	TRUE	1.91E-137
PEF	COL2A1	rs72644833	T	C	-0.203	0.020	0.044	3.22E-25	0.004	0.007	0.578	0.003	107.637	TRUE	2.91E-22
PEF	COL2A1	rs7299083	T	C	0.113	0.009	0.689	2.07E-39	0.005	0.003	0.060	0.005	172.521	TRUE	8.38E-33
PEF	COL2A1	rs73103626	A	G	-0.091	0.016	0.068	7.08E-09	-0.006	0.005	0.153	0.001	33.509	TRUE	3.85E-07
PEF	COL2A1	rs73104074	C	T	-0.607	0.041	0.011	2.11E-50	0.017	0.010	0.086	0.006	222.889	TRUE	1.45E-42
PEF	COL2A1	rs73109829	A	G	0.139	0.021	0.038	2.49E-11	-0.001	0.007	0.939	0.001	44.538	TRUE	2.45E-10
PEF	COL2A1	rs73112225	G	A	-0.173	0.022	0.032	7.90E-15	-0.014	0.006	0.032	0.002	60.357	TRUE	1.57E-11
PEF	COL2A1	rs74333416	G	A	-0.335	0.028	0.022	4.57E-34	-0.011	0.007	0.132	0.004	148.065	TRUE	1.05E-28
PEF	COL2A1	rs74557864	A	G	-0.131	0.018	0.049	7.67E-13	-0.006	0.006	0.354	0.001	51.363	TRUE	6.13E-11
PEF	COL2A1	rs74710913	A	G	0.241	0.034	0.014	6.58E-13	0.007	0.010	0.521	0.001	51.664	TRUE	3.02E-11
PEF	COL2A1	rs74917912	T	C	0.079	0.013	0.110	7.72E-10	0.004	0.005	0.408	0.001	37.827	TRUE	2.12E-08
PEF	COL2A1	rs75281758	G	A	-0.591	0.010	0.082	1.00E-200	0.010	0.006	0.081	0.089	3482.797	TRUE	1.00E-200
PEF	COL2A1	rs75387565	C	T	0.323	0.032	0.016	1.86E-24	-0.026	0.010	0.008	0.003	104.160	TRUE	5.12E-19
PEF	COL2A1	rs75485589	T	C	0.131	0.012	0.114	9.44E-26	-0.004	0.004	0.384	0.003	110.069	TRUE	2.47E-22
PEF	COL2A1	rs75543887	T	C	-0.223	0.032	0.015	5.21E-12	-0.008	0.008	0.289	0.001	47.604	TRUE	4.29E-10
PEF	COL2A1	rs757344	C	T	-0.054	0.008	0.415	4.03E-11	-0.002	0.003	0.362	0.001	43.595	TRUE	1.80E-09
PEF	COL2A1	rs76066893	A	G	0.127	0.017	0.059	5.42E-14	-0.002	0.006	0.769	0.002	56.567	TRUE	1.57E-12
PEF	COL2A1	rs78004618	C	T	-0.409	0.019	0.046	9.26E-106	0.000	0.006	0.948	0.013	477.047	TRUE	1.87E-95
PEF	COL2A1	rs78113681	T	A	0.257	0.015	0.076	3.34E-64	0.011	0.006	0.074	0.008	286.189	TRUE	1.97E-54
PEF	COL2A1	rs78128982	T	C	-0.377	0.045	0.008	1.14E-16	0.015	0.012	0.201	0.002	68.704	TRUE	6.41E-14
PEF	COL2A1	rs78662402	G	T	0.144	0.019	0.048	2.90E-14	0.004	0.005	0.500	0.002	57.797	TRUE	2.02E-12
PEF	COL2A1	rs78982162	G	C	-0.127	0.017	0.059	2.52E-14	-0.003	0.006	0.675	0.002	58.072	TRUE	1.01E-12
PEF	COL2A1	rs79092274	T	C	0.120	0.017	0.060	1.05E-12	0.004	0.005	0.466	0.001	50.748	TRUE	5.51E-11
PEF	COL2A1	rs79288502	G	A	0.096	0.017	0.054	3.25E-08	0.001	0.007	0.858	0.001	30.549	TRUE	1.94E-07
PEF	COL2A1	rs7958910	T	A	0.045	0.008	0.402	3.83E-08	0.002	0.003	0.552	0.001	30.230	TRUE	4.34E-07
PEF	COL2A1	rs7959970	G	A	-0.101	0.018	0.056	9.01E-09	-0.009	0.005	0.090	0.001	33.042	TRUE	7.31E-07
PEF	COL2A1	rs7963939	A	G	-0.137	0.011	0.156	2.79E-36	-0.004	0.004	0.296	0.004	158.198	TRUE	2.43E-31
PEF	COL2A1	rs855232	A	G	-0.048	0.008	0.362	5.61E-09	-0.002	0.003	0.434	0.001	33.963	TRUE	1.09E-07
PEF	COL2A1	rs929270	T	C	-0.051	0.009	0.738	2.00E-08	-0.002	0.003	0.425	0.001	31.494	TRUE	3.55E-07
PEF	CTSE	rs11240496	T	C	0.055	0.009	0.501	9.67E-11	0.000	0.003	0.978	0.001	41.884	TRUE	7.81E-10
PEF	CTSE	rs113616691	A	G	-0.229	0.031	0.018	2.04E-13	-0.007	0.008	0.389	0.002	53.960	TRUE	1.70E-11
PEF	CTSE	rs114794039	A	G	-0.221	0.038	0.013	4.50E-09	-0.009	0.008	0.295	0.001	34.395	TRUE	1.42E-07
PEF	CTSE	rs115771567	A	G	-0.324	0.057	0.006	1.19E-08	0.020	0.012	0.090	0.001	32.500	TRUE	9.15E-07

PEF	CTSE	rs11811181	A	G	0.068	0.011	0.209	1.44E-10	-0.001	0.003	0.697	0.001	41.105	TRUE	2.21E-09
PEF	CTSE	rs12723923	G	A	-0.105	0.017	0.065	1.62E-09	-0.003	0.005	0.605	0.001	36.382	TRUE	2.36E-08
PEF	CTSE	rs143715179	T	C	0.099	0.009	0.286	8.17E-26	-0.008	0.003	0.017	0.003	110.353	TRUE	1.84E-20
PEF	CTSE	rs145467392	A	G	-0.321	0.056	0.006	1.01E-08	-0.003	0.015	0.853	0.001	32.826	TRUE	6.76E-08
PEF	CTSE	rs145971821	A	G	-0.421	0.057	0.006	1.39E-13	-0.002	0.014	0.884	0.002	54.721	TRUE	2.63E-12
PEF	CTSE	rs28602536	A	G	-0.134	0.009	0.311	3.59E-48	-0.003	0.003	0.259	0.006	212.658	TRUE	1.01E-41
PEF	CTSE	rs41297620	A	G	-0.276	0.036	0.015	7.59E-15	-0.001	0.008	0.877	0.002	60.435	TRUE	1.94E-13
PEF	CTSE	rs55703016	A	G	-0.246	0.021	0.044	4.27E-32	-0.003	0.006	0.556	0.004	139.053	TRUE	2.46E-28
PEF	CTSE	rs561918278	C	T	-0.316	0.049	0.007	1.04E-10	0.036	0.024	0.139	0.001	41.739	TRUE	1.23E-08
PEF	CTSE	rs58493320	A	G	-0.485	0.010	0.146	1.00E-200	-0.001	0.003	0.697	0.065	2475.789	TRUE	1.00E-200
PEF	CTSE	rs6669481	C	T	-0.124	0.016	0.078	5.52E-15	0.013	0.004	0.004	0.002	61.061	TRUE	5.52E-11
PEF	CTSE	rs78283114	A	G	-0.262	0.047	0.008	1.96E-08	-0.021	0.009	0.020	0.001	31.530	TRUE	3.56E-06
PEF	CTSE	rs79655590	A	G	-0.455	0.030	0.020	6.01E-52	-0.002	0.008	0.779	0.006	229.969	TRUE	1.24E-46
PEF	CTSV	rs10816439	A	G	-0.056	0.008	0.497	6.56E-12	0.002	0.003	0.496	0.001	47.151	TRUE	2.47E-10
PEF	CTSV	rs10981890	G	A	-0.164	0.008	0.506	1.57E-90	0.009	0.003	4.35E-04	0.011	407.077	TRUE	4.06E-73
PEF	CTSV	rs112805300	C	T	-0.178	0.019	0.048	1.55E-20	0.010	0.006	0.103	0.002	86.290	TRUE	7.03E-17
PEF	CTSV	rs116989414	T	C	0.174	0.029	0.019	1.89E-09	-0.011	0.010	0.264	0.001	36.086	TRUE	7.54E-08
PEF	CTSV	rs117085660	G	A	-0.123	0.022	0.035	3.13E-08	-0.001	0.007	0.850	0.001	30.625	TRUE	1.89E-07
PEF	CTSV	rs117724680	C	T	0.335	0.019	0.048	2.11E-73	-0.002	0.005	0.666	0.009	328.419	TRUE	1.47E-65
PEF	CTSV	rs117736571	G	A	0.130	0.021	0.037	1.41E-09	-0.006	0.009	0.478	0.001	36.660	TRUE	2.88E-08
PEF	CTSV	rs12000365	C	T	0.087	0.015	0.076	8.26E-09	0.005	0.005	0.288	0.001	33.210	TRUE	2.46E-07
PEF	CTSV	rs12340862	C	T	-0.066	0.012	0.144	1.53E-08	0.001	0.004	0.824	0.001	32.015	TRUE	1.06E-07
PEF	CTSV	rs139328556	G	A	0.147	0.022	0.035	2.27E-11	-0.004	0.009	0.673	0.001	44.718	TRUE	4.49E-10
PEF	CTSV	rs1411885	C	T	0.057	0.008	0.473	1.71E-12	-0.002	0.003	0.410	0.001	49.787	TRUE	1.05E-10
PEF	CTSV	rs147020077	C	G	0.201	0.033	0.015	7.08E-10	-0.005	0.009	0.546	0.001	37.996	TRUE	1.33E-08
PEF	CTSV	rs1571567	A	G	0.073	0.008	0.370	5.80E-18	-0.010	0.003	5.57E-05	0.002	74.582	TRUE	2.60E-12
PEF	CTSV	rs2199440	C	T	-0.106	0.012	0.124	1.04E-17	0.001	0.004	0.900	0.002	73.429	TRUE	4.63E-16
PEF	CTSV	rs34505550	A	G	0.097	0.010	0.190	1.11E-20	-0.007	0.003	0.023	0.002	86.958	TRUE	2.61E-16
PEF	CTSV	rs35028373	T	C	-0.121	0.013	0.104	2.64E-19	0.009	0.005	0.052	0.002	80.684	TRUE	1.84E-15
PEF	CTSV	rs4401999	G	A	0.051	0.009	0.740	3.27E-08	0.002	0.003	0.461	0.001	30.539	TRUE	4.66E-07
PEF	CTSV	rs4645657	G	A	-0.090	0.008	0.505	7.25E-29	0.001	0.003	0.802	0.003	124.292	TRUE	5.91E-26
PEF	CTSV	rs62575600	T	C	0.120	0.021	0.038	1.01E-08	-0.003	0.006	0.569	0.001	32.820	TRUE	1.29E-07
PEF	CTSV	rs72751508	T	C	0.108	0.011	0.147	4.55E-21	0.000	0.003	0.944	0.002	88.715	TRUE	3.69E-19
PEF	CTSV	rs75837839	T	C	0.096	0.015	0.082	4.85E-11	0.003	0.005	0.504	0.001	43.233	TRUE	1.37E-09
PEF	CTSV	rs78977470	T	A	-0.420	0.054	0.006	5.21E-15	-0.007	0.019	0.722	0.002	61.178	TRUE	2.22E-13
PEF	CTSV	rs79313404	G	A	0.279	0.034	0.014	5.35E-16	-0.003	0.014	0.823	0.002	65.659	TRUE	2.10E-14
PEF	CTSV	rs9299274	A	T	0.049	0.009	0.661	1.87E-08	-0.002	0.003	0.419	0.001	31.621	TRUE	3.12E-07
PEF	CX3CL1	rs62037109	T	C	0.346	0.040	0.010	4.69E-18	0.024	0.010	0.019	0.002	75.005	TRUE	5.26E-14
PEF	CX3CL1	rs670211	A	G	-0.058	0.008	0.564	8.99E-13	-0.002	0.003	0.384	0.001	51.050	TRUE	6.46E-11
PEF	ERBB3	rs140116753	G	A	-0.076	0.014	0.099	3.59E-08	-0.002	0.005	0.705	0.001	30.358	TRUE	2.93E-07
PEF	ERBB3	rs181000607	G	C	0.369	0.054	0.005	7.20E-12	-0.012	0.012	0.350	0.001	46.970	TRUE	4.42E-10
PEF	ERBB3	rs2292238	C	A	-0.107	0.008	0.400	1.83E-37	-0.007	0.003	0.008	0.005	163.615	TRUE	5.85E-30

PEF	GM2A	rs10039591	A	G	0.058	0.009	0.622	1.54E-11	-0.001	0.003	0.582	0.001	45.484	TRUE	3.96E-10
PEF	GM2A	rs1061837	A	G	0.054	0.008	0.491	1.35E-10	-0.013	0.003	2.91E-07	0.001	41.231	TRUE	5.73E-06
PEF	GM2A	rs113270088	C	A	-0.111	0.018	0.058	5.44E-10	0.002	0.006	0.782	0.001	38.511	TRUE	5.76E-09
PEF	GM2A	rs114154431	C	A	0.353	0.045	0.008	8.18E-15	-0.036	0.010	2.13E-04	0.002	60.287	TRUE	3.70E-10
PEF	GM2A	rs114421242	A	G	-0.091	0.016	0.071	3.59E-08	0.004	0.006	0.533	0.001	30.358	TRUE	4.24E-07
PEF	GM2A	rs115977236	A	G	-0.148	0.027	0.026	2.63E-08	-0.014	0.009	0.119	0.001	30.960	TRUE	1.41E-06
PEF	GM2A	rs116432609	G	A	0.126	0.020	0.048	2.02E-10	-0.023	0.007	0.001	0.001	40.448	TRUE	4.28E-07
PEF	GM2A	rs11739782	A	G	-0.063	0.011	0.176	8.61E-09	0.000	0.004	0.997	0.001	33.130	TRUE	4.26E-08
PEF	GM2A	rs12654497	T	C	0.086	0.011	0.186	1.04E-15	0.001	0.003	0.685	0.002	64.344	TRUE	5.85E-14
PEF	GM2A	rs137921084	G	A	0.351	0.022	0.037	3.29E-57	-0.025	0.008	0.002	0.007	254.102	TRUE	6.13E-46
PEF	GM2A	rs148847411	T	C	0.089	0.011	0.170	1.17E-15	-0.007	0.004	0.047	0.002	64.121	TRUE	2.22E-12
PEF	GM2A	rs2112635	T	C	-0.086	0.009	0.686	1.06E-21	0.003	0.003	0.213	0.003	91.604	TRUE	2.42E-18
PEF	GM2A	rs248454	A	G	-0.061	0.009	0.680	1.55E-11	-0.004	0.003	0.110	0.001	45.469	TRUE	2.98E-09
PEF	GM2A	rs248467	A	G	0.238	0.009	0.356	3.48E-168	-0.008	0.003	0.002	0.021	764.037	TRUE	6.04E-141
PEF	GM2A	rs352702	T	C	-0.105	0.014	0.101	2.90E-14	0.014	0.004	0.001	0.002	57.800	TRUE	4.32E-10
PEF	GM2A	rs3756627	T	C	-0.288	0.022	0.036	1.72E-37	0.001	0.007	0.946	0.005	163.737	TRUE	5.49E-34
PEF	GM2A	rs3792773	A	G	0.208	0.019	0.051	1.85E-28	-0.001	0.007	0.870	0.003	122.434	TRUE	1.07E-25
PEF	GM2A	rs4958872	T	C	0.058	0.010	0.754	2.35E-09	0.002	0.003	0.423	0.001	35.662	TRUE	5.31E-08
PEF	GM2A	rs4958889	T	C	0.091	0.014	0.105	2.01E-11	0.007	0.004	0.055	0.001	44.958	TRUE	6.77E-09
PEF	GM2A	rs4958896	T	C	0.047	0.008	0.482	2.02E-08	0.000	0.003	0.956	0.001	31.476	TRUE	9.88E-08
PEF	GM2A	rs66495175	A	C	0.112	0.014	0.092	7.14E-15	0.002	0.004	0.719	0.002	60.554	TRUE	3.02E-13
PEF	GM2A	rs6896503	A	G	0.099	0.008	0.551	1.00E-31	-0.004	0.003	0.122	0.004	137.358	TRUE	1.33E-26
PEF	GM2A	rs6897702	A	C	-0.088	0.011	0.196	1.02E-16	0.001	0.003	0.785	0.002	68.934	TRUE	5.30E-15
PEF	GM2A	rs72790122	A	G	0.107	0.018	0.063	1.01E-09	-0.003	0.006	0.616	0.001	37.313	TRUE	1.49E-08
PEF	GM2A	rs72792113	C	T	0.189	0.024	0.031	4.95E-15	-0.014	0.009	0.147	0.002	61.278	TRUE	2.40E-12
PEF	GM2A	rs72794132	T	C	0.321	0.011	0.164	3.52E-184	-0.020	0.003	5.64E-09	0.023	837.601	TRUE	4.91E-145
PEF	GM2A	rs76177397	C	T	-0.160	0.029	0.023	2.75E-08	0.000	0.008	0.979	0.001	30.878	TRUE	1.28E-07
PEF	GM2A	rs76910269	T	G	0.193	0.013	0.124	2.99E-52	-0.013	0.004	1.38E-04	0.006	231.360	TRUE	2.13E-40
PEF	GM2A	rs78605922	A	G	-0.199	0.035	0.015	1.49E-08	-0.008	0.011	0.491	0.001	32.063	TRUE	2.21E-07
PEF	GM2A	rs80209179	C	T	0.177	0.026	0.027	1.06E-11	-0.009	0.009	0.341	0.001	46.217	TRUE	6.42E-10
PEF	GM2A	rs9324677	C	A	-0.065	0.008	0.584	1.40E-14	-0.005	0.003	0.079	0.002	59.238	TRUE	1.23E-11
PEF	GSS	rs11906160	A	G	0.112	0.013	0.108	1.17E-17	0.002	0.004	0.641	0.002	73.199	TRUE	1.26E-15
PEF	GSS	rs1406947	T	C	-0.053	0.009	0.658	4.84E-10	-0.015	0.003	1.35E-08	0.001	38.739	TRUE	2.70E-05
PEF	GSS	rs147446729	A	C	-0.141	0.023	0.034	9.12E-10	-0.019	0.009	0.036	0.001	37.502	TRUE	2.16E-07
PEF	GSS	rs35591645	T	C	0.148	0.021	0.040	1.39E-12	0.000	0.007	0.956	0.001	50.194	TRUE	1.75E-11
PEF	GSS	rs4911172	G	C	0.072	0.011	0.179	1.29E-11	0.007	0.003	0.023	0.001	45.828	TRUE	8.45E-09
PEF	GSS	rs6058104	A	G	-0.082	0.011	0.841	1.57E-13	-0.002	0.003	0.650	0.002	54.481	TRUE	5.68E-12
PEF	GSS	rs6059711	T	C	0.084	0.013	0.103	1.99E-10	-0.002	0.004	0.696	0.001	40.472	TRUE	2.87E-09
PEF	GSS	rs6141479	C	G	0.102	0.010	0.223	6.12E-26	0.005	0.003	0.106	0.003	110.928	TRUE	1.54E-21
PEF	GSS	rs73090614	G	C	-0.079	0.011	0.166	5.01E-13	-0.007	0.004	0.055	0.001	52.196	TRUE	3.12E-10
PEF	GSS	rs78030404	A	G	-0.181	0.018	0.054	2.52E-24	-0.015	0.006	0.009	0.003	103.562	TRUE	6.96E-19
PEF	GSS	rs78230850	A	G	-0.121	0.016	0.069	1.28E-14	-0.012	0.006	0.039	0.002	59.403	TRUE	1.94E-11

PEF	GUSB	rs141454297	G	T	-0.305	0.022	0.037	1.42E-44	0.005	0.009	0.553	0.005	196.179	TRUE	1.91E-39
PEF	GUSB	rs1799356	A	G	0.175	0.029	0.021	2.20E-09	-0.004	0.011	0.737	0.001	35.784	TRUE	2.23E-08
PEF	GUSB	rs34356500	T	G	0.139	0.008	0.536	1.17E-64	-0.007	0.003	0.009	0.008	288.270	TRUE	4.27E-53
PEF	GUSB	rs55755273	C	T	0.124	0.018	0.058	1.92E-12	-0.010	0.005	0.056	0.001	49.559	TRUE	9.78E-10
PEF	GUSB	rs73143909	C	G	0.084	0.014	0.090	3.68E-09	-0.006	0.004	0.195	0.001	34.785	TRUE	1.73E-07
PEF	HEXB	rs10070207	T	G	-0.093	0.011	0.169	9.79E-18	-0.002	0.003	0.440	0.002	73.551	TRUE	2.25E-15
PEF	HEXB	rs115464765	A	G	-0.119	0.022	0.036	3.26E-08	-0.004	0.007	0.532	0.001	30.545	TRUE	3.99E-07
PEF	HEXB	rs116120298	A	T	0.246	0.036	0.014	4.57E-12	-0.015	0.011	0.175	0.001	47.862	TRUE	6.75E-10
PEF	HEXB	rs11749435	A	G	-0.100	0.011	0.159	2.39E-19	-0.006	0.003	0.098	0.002	80.880	TRUE	7.85E-16
PEF	HEXB	rs12516258	T	C	0.265	0.011	0.176	2.79E-136	0.003	0.003	0.355	0.017	617.336	TRUE	4.17E-120
PEF	HEXB	rs13164140	A	G	0.272	0.009	0.271	7.60E-197	-0.007	0.003	0.023	0.025	895.859	TRUE	7.33E-169
PEF	HEXB	rs13184097	A	C	0.242	0.034	0.016	6.29E-13	0.006	0.010	0.533	0.001	51.751	TRUE	2.79E-11
PEF	HEXB	rs141867747	T	G	-0.155	0.026	0.025	4.42E-09	0.003	0.011	0.821	0.001	34.428	TRUE	3.47E-08
PEF	HEXB	rs148167193	C	G	0.228	0.025	0.028	4.73E-20	-0.004	0.008	0.622	0.002	84.087	TRUE	9.75E-18
PEF	HEXB	rs17646591	G	C	-0.128	0.019	0.046	4.13E-11	0.009	0.007	0.176	0.001	43.548	TRUE	4.28E-09
PEF	HEXB	rs192389282	A	G	0.275	0.025	0.027	6.83E-28	0.030	0.013	0.019	0.003	119.843	TRUE	3.07E-22
PEF	HEXB	rs2454847	T	C	0.056	0.009	0.238	2.87E-09	0.002	0.003	0.452	0.001	35.265	TRUE	5.91E-08
PEF	HEXB	rs6453074	G	A	0.064	0.010	0.813	8.01E-10	-0.004	0.003	0.259	0.001	37.755	TRUE	3.70E-08
PEF	HEXB	rs6453091	G	A	-0.177	0.009	0.276	6.97E-85	0.005	0.003	0.098	0.011	381.134	TRUE	7.39E-73
PEF	HEXB	rs6872417	T	A	0.103	0.013	0.114	7.98E-16	0.006	0.004	0.118	0.002	64.872	TRUE	6.34E-13
PEF	HEXB	rs750019	T	A	0.056	0.009	0.728	7.53E-10	-0.005	0.003	0.105	0.001	37.875	TRUE	7.97E-08
PEF	HEXB	rs79357178	T	C	0.215	0.026	0.024	4.60E-16	-0.015	0.009	0.095	0.002	65.958	TRUE	5.15E-13
PEF	HEXB	rs820878	C	T	0.527	0.020	0.957	1.95E-151	-0.011	0.006	0.075	0.019	687.020	TRUE	7.84E-131
PEF	IFI16	rs856052	G	T	0.069	0.011	0.832	1.72E-10	0.006	0.003	0.069	0.001	40.757	TRUE	3.53E-08
PEF	IFI16	rs12071136	A	C	-0.067	0.012	0.140	8.92E-09	0.000	0.004	0.951	0.001	33.062	TRUE	4.84E-08
PEF	IFI16	rs2518563	T	C	0.091	0.010	0.815	7.15E-19	0.008	0.003	0.017	0.002	78.717	TRUE	1.09E-14
PEF	IL6R	rs10494301	C	T	0.054	0.009	0.659	1.17E-09	0.002	0.003	0.375	0.001	37.022	TRUE	3.37E-08
PEF	IL6R	rs10494303	A	G	0.113	0.009	0.415	1.72E-40	-0.003	0.003	0.237	0.005	177.465	TRUE	8.30E-35
PEF	IL6R	rs10752606	A	T	-0.113	0.011	0.819	2.08E-25	0.001	0.004	0.884	0.003	108.505	TRUE	5.57E-23
PEF	IL6R	rs10796927	C	T	0.289	0.010	0.244	8.84E-199	-0.008	0.003	0.005	0.025	904.758	TRUE	1.65E-168
PEF	IL6R	rs10908424	C	G	-0.208	0.009	0.701	2.78E-115	0.001	0.003	0.729	0.014	520.812	TRUE	3.94E-103
PEF	IL6R	rs10908429	T	C	0.120	0.009	0.281	2.33E-38	0.003	0.003	0.327	0.005	167.710	TRUE	2.58E-33
PEF	IL6R	rs111237020	T	C	0.395	0.019	0.050	4.27E-99	-0.015	0.006	0.011	0.012	446.423	TRUE	4.93E-83
PEF	IL6R	rs111303174	A	C	-0.372	0.019	0.050	5.19E-86	-0.002	0.007	0.810	0.011	386.317	TRUE	2.78E-77
PEF	IL6R	rs111875284	A	G	0.294	0.024	0.031	8.73E-35	0.006	0.008	0.436	0.004	151.355	TRUE	1.96E-30
PEF	IL6R	rs112340875	C	T	-0.166	0.024	0.030	1.27E-11	0.004	0.009	0.685	0.001	45.864	TRUE	2.58E-10
PEF	IL6R	rs112356447	A	G	-0.182	0.018	0.059	2.04E-25	-0.005	0.006	0.425	0.003	108.538	TRUE	4.00E-22
PEF	IL6R	rs11264251	G	A	0.061	0.008	0.574	8.19E-13	0.000	0.003	0.945	0.001	51.232	TRUE	1.11E-11
PEF	IL6R	rs11264270	G	A	0.105	0.013	0.122	2.98E-16	-0.005	0.004	0.168	0.002	66.811	TRUE	1.81E-13
PEF	IL6R	rs11265611	A	G	0.742	0.005	0.656	1.00E-200	-0.010	0.003	7.16E-05	0.358	19832.378	TRUE	1.00E-200
PEF	IL6R	rs11265621	A	G	0.556	0.005	0.600	1.00E-200	-0.005	0.003	0.058	0.237	11033.105	TRUE	1.00E-200
PEF	IL6R	rs112730399	C	T	0.161	0.028	0.023	6.26E-09	-0.009	0.010	0.390	0.001	33.751	TRUE	1.39E-07

PEF	IL6R	rs113580743	A	G	-0.553	0.021	0.038	3.48E-147	0.012	0.007	0.064	0.018	667.470	TRUE	7.57E-127
PEF	IL6R	rs113724571	T	C	0.256	0.035	0.015	1.85E-13	0.003	0.013	0.846	0.002	54.159	TRUE	3.75E-12
PEF	IL6R	rs114324536	C	T	0.244	0.037	0.013	4.30E-11	-0.012	0.011	0.278	0.001	43.471	TRUE	2.76E-09
PEF	IL6R	rs114779784	C	G	-0.400	0.031	0.019	7.36E-39	0.009	0.007	0.225	0.005	170.001	TRUE	2.38E-33
PEF	IL6R	rs114853077	T	C	0.211	0.029	0.021	3.95E-13	-0.017	0.008	0.037	0.001	52.665	TRUE	3.60E-10
PEF	IL6R	rs114973352	A	C	0.262	0.023	0.035	1.17E-29	-0.029	0.008	2.23E-04	0.004	127.918	TRUE	5.37E-22
PEF	IL6R	rs114980362	T	C	-0.457	0.024	0.032	8.52E-83	0.001	0.010	0.934	0.010	371.548	TRUE	8.92E-75
PEF	IL6R	rs115513320	T	G	0.464	0.053	0.006	2.99E-18	-0.004	0.011	0.717	0.002	75.890	TRUE	2.79E-16
PEF	IL6R	rs115582068	C	T	-0.490	0.027	0.023	3.60E-74	0.013	0.009	0.186	0.009	331.940	TRUE	3.52E-64
PEF	IL6R	rs11577167	T	C	-0.522	0.037	0.014	1.98E-45	0.012	0.008	0.144	0.006	200.099	TRUE	1.09E-38
PEF	IL6R	rs11577297	T	C	-0.085	0.011	0.825	1.08E-14	-0.001	0.003	0.676	0.002	59.737	TRUE	4.86E-13
PEF	IL6R	rs11582489	A	G	-0.294	0.022	0.040	3.67E-42	-0.020	0.006	0.001	0.005	185.124	TRUE	5.11E-33
PEF	IL6R	rs11584256	T	C	0.355	0.026	0.026	7.87E-42	-0.004	0.010	0.652	0.005	183.605	TRUE	2.93E-37
PEF	IL6R	rs116059394	G	A	-0.462	0.019	0.050	9.70E-127	0.002	0.006	0.692	0.016	573.471	TRUE	2.85E-113
PEF	IL6R	rs116141616	A	G	-0.619	0.030	0.019	4.62E-94	-0.006	0.008	0.436	0.012	423.297	TRUE	4.17E-83
PEF	IL6R	rs116179745	C	T	-0.414	0.037	0.012	4.41E-29	0.019	0.012	0.106	0.004	125.278	TRUE	3.09E-24
PEF	IL6R	rs116540837	G	T	0.160	0.025	0.028	2.17E-10	0.013	0.008	0.106	0.001	40.310	TRUE	2.85E-08
PEF	IL6R	rs116710125	T	C	-0.527	0.020	0.044	5.88E-156	0.000	0.006	0.989	0.020	707.808	TRUE	1.33E-140
PEF	IL6R	rs1194586	C	T	0.127	0.008	0.522	2.49E-52	0.001	0.003	0.643	0.006	231.724	TRUE	1.38E-46
PEF	IL6R	rs1194589	G	A	0.235	0.011	0.838	3.84E-97	-0.006	0.003	0.063	0.012	437.448	TRUE	4.37E-83
PEF	IL6R	rs12043822	A	G	0.479	0.026	0.026	8.77E-74	0.007	0.009	0.394	0.009	330.164	TRUE	6.35E-65
PEF	IL6R	rs12044034	A	G	-0.122	0.015	0.087	1.72E-16	0.002	0.004	0.741	0.002	67.899	TRUE	1.00E-14
PEF	IL6R	rs12120146	A	G	-0.178	0.033	0.017	4.92E-08	0.013	0.011	0.232	0.001	29.744	TRUE	1.37E-06
PEF	IL6R	rs12130660	C	T	0.345	0.024	0.031	1.62E-45	0.001	0.006	0.860	0.006	200.493	TRUE	4.76E-41
PEF	IL6R	rs1218549	C	A	0.106	0.009	0.650	5.63E-34	0.004	0.003	0.160	0.004	147.651	TRUE	8.78E-29
PEF	IL6R	rs1218576	T	C	-0.189	0.012	0.864	2.47E-53	0.012	0.004	0.002	0.007	236.326	TRUE	9.53E-43
PEF	IL6R	rs1218583	G	T	0.134	0.018	0.943	8.35E-14	0.007	0.006	0.197	0.002	55.718	TRUE	1.93E-11
PEF	IL6R	rs1218592	A	C	0.075	0.010	0.763	3.11E-14	0.001	0.003	0.817	0.002	57.660	TRUE	8.25E-13
PEF	IL6R	rs12406117	A	G	-0.085	0.008	0.561	4.79E-24	0.006	0.003	0.016	0.003	102.287	TRUE	6.71E-19
PEF	IL6R	rs12735458	G	A	0.342	0.036	0.014	6.59E-22	0.001	0.011	0.963	0.003	92.537	TRUE	6.15E-20
PEF	IL6R	rs12755318	A	C	0.309	0.025	0.031	1.04E-35	-0.008	0.010	0.452	0.004	155.579	TRUE	2.62E-31
PEF	IL6R	rs141244226	A	G	-0.185	0.026	0.028	7.25E-13	0.017	0.008	0.036	0.001	51.473	TRUE	6.05E-10
PEF	IL6R	rs141444337	G	C	-0.378	0.024	0.033	1.35E-57	0.005	0.007	0.463	0.007	255.878	TRUE	8.52E-51
PEF	IL6R	rs142091750	T	C	0.502	0.051	0.007	5.81E-23	0.000	0.010	0.982	0.003	97.344	TRUE	6.36E-21
PEF	IL6R	rs142321561	T	C	0.325	0.055	0.006	3.57E-09	0.007	0.014	0.603	0.001	34.844	TRUE	4.75E-08
PEF	IL6R	rs142567407	A	T	0.390	0.043	0.010	5.42E-20	-0.001	0.012	0.935	0.002	83.813	TRUE	3.70E-18
PEF	IL6R	rs142712385	A	T	-0.234	0.014	0.099	5.36E-64	0.009	0.005	0.107	0.008	285.247	TRUE	1.17E-54
PEF	IL6R	rs144063783	C	T	0.527	0.034	0.015	8.50E-53	-0.007	0.012	0.576	0.007	233.866	TRUE	7.71E-47
PEF	IL6R	rs144230470	C	G	-0.338	0.038	0.012	7.63E-19	0.022	0.013	0.085	0.002	78.590	TRUE	2.57E-15
PEF	IL6R	rs144385115	A	G	0.411	0.052	0.007	4.04E-15	0.002	0.015	0.886	0.002	61.676	TRUE	1.09E-13
PEF	IL6R	rs144929754	T	C	-0.241	0.031	0.018	6.21E-15	0.007	0.010	0.492	0.002	60.830	TRUE	5.37E-13
PEF	IL6R	rs145347535	T	G	0.381	0.040	0.011	5.52E-22	-0.013	0.012	0.276	0.003	92.886	TRUE	9.51E-19

PEF	IL6R	rs146899245	A	G	0.200	0.024	0.030	3.23E-16	-0.002	0.008	0.826	0.002	66.655	TRUE	1.33E-14
PEF	IL6R	rs147830103	A	G	-0.535	0.026	0.028	1.26E-96	0.009	0.008	0.309	0.012	435.084	TRUE	9.45E-85
PEF	IL6R	rs149432883	A	G	-0.249	0.013	0.110	6.07E-77	0.008	0.004	0.051	0.010	344.672	TRUE	3.79E-65
PEF	IL6R	rs149481318	C	T	-0.530	0.026	0.025	1.02E-89	-0.019	0.009	0.027	0.011	403.345	TRUE	1.05E-75
PEF	IL6R	rs150715756	A	G	0.162	0.030	0.020	4.67E-08	0.020	0.009	0.025	0.001	29.848	TRUE	6.29E-06
PEF	IL6R	rs150819290	A	G	0.493	0.054	0.006	1.42E-19	-0.015	0.014	0.285	0.002	81.913	TRUE	1.16E-16
PEF	IL6R	rs150862574	C	T	-0.557	0.053	0.006	1.85E-25	-0.005	0.013	0.700	0.003	108.731	TRUE	1.06E-22
PEF	IL6R	rs151205508	C	T	-0.231	0.038	0.012	9.40E-10	0.019	0.010	0.059	0.001	37.444	TRUE	1.54E-07
PEF	IL6R	rs151256463	C	G	-0.264	0.026	0.027	1.14E-24	0.002	0.009	0.851	0.003	105.139	TRUE	3.00E-22
PEF	IL6R	rs17719419	A	C	-0.158	0.017	0.062	1.19E-19	-0.002	0.005	0.613	0.002	82.264	TRUE	2.25E-17
PEF	IL6R	rs183641528	A	G	0.331	0.026	0.026	4.03E-37	0.009	0.009	0.367	0.005	162.046	TRUE	2.57E-32
PEF	IL6R	rs186136565	T	C	0.241	0.029	0.021	6.01E-17	-0.008	0.008	0.287	0.002	69.970	TRUE	2.22E-14
PEF	IL6R	rs192159309	A	G	-0.177	0.020	0.044	5.38E-18	0.004	0.005	0.441	0.002	74.734	TRUE	1.27E-15
PEF	IL6R	rs1984285	G	T	-0.091	0.010	0.212	7.86E-19	0.000	0.003	0.967	0.002	78.531	TRUE	3.62E-17
PEF	IL6R	rs2071576	T	C	-0.106	0.010	0.785	4.66E-25	0.001	0.003	0.856	0.003	106.903	TRUE	1.34E-22
PEF	IL6R	rs28730729	G	C	0.404	0.020	0.046	2.08E-93	-0.008	0.007	0.211	0.012	420.300	TRUE	2.57E-81
PEF	IL6R	rs35902694	G	T	0.092	0.009	0.693	2.63E-24	-0.009	0.003	3.51E-04	0.003	103.477	TRUE	8.85E-18
PEF	IL6R	rs3738028	A	C	-0.092	0.009	0.629	3.45E-26	0.001	0.003	0.697	0.003	112.066	TRUE	2.25E-23
PEF	IL6R	rs3766926	C	T	-0.373	0.006	0.221	1.00E-200	-0.006	0.003	0.057	0.086	3356.922	TRUE	1.00E-200
PEF	IL6R	rs41264253	A	G	-0.158	0.013	0.122	1.32E-35	0.005	0.004	0.191	0.004	155.107	TRUE	2.49E-30
PEF	IL6R	rs41265183	T	C	-0.271	0.014	0.095	1.67E-80	0.010	0.005	0.034	0.010	361.026	TRUE	6.23E-68
PEF	IL6R	rs41265211	T	G	0.302	0.047	0.008	1.76E-10	-0.008	0.011	0.450	0.001	40.713	TRUE	5.13E-09
PEF	IL6R	rs41265215	G	A	-0.319	0.024	0.029	1.05E-39	0.005	0.007	0.514	0.005	173.878	TRUE	5.04E-35
PEF	IL6R	rs41269913	T	C	0.649	0.023	0.035	3.07E-178	-0.005	0.007	0.465	0.022	810.279	TRUE	5.61E-158
PEF	IL6R	rs4447019	T	C	0.314	0.057	0.005	4.28E-08	-0.009	0.015	0.549	0.001	30.019	TRUE	4.80E-07
PEF	IL6R	rs4845406	G	A	0.105	0.008	0.539	4.13E-36	-0.004	0.003	0.117	0.004	157.416	TRUE	2.39E-30
PEF	IL6R	rs4845698	A	G	0.148	0.023	0.034	2.03E-10	-0.003	0.007	0.675	0.001	40.440	TRUE	3.11E-09
PEF	IL6R	rs56162646	T	C	-0.274	0.023	0.034	1.29E-32	-0.002	0.007	0.794	0.004	141.437	TRUE	2.66E-29
PEF	IL6R	rs57034503	T	C	-0.232	0.025	0.029	8.75E-21	-0.013	0.008	0.086	0.002	87.421	TRUE	5.70E-17
PEF	IL6R	rs57438059	C	T	0.154	0.022	0.036	5.63E-12	0.006	0.006	0.379	0.001	47.450	TRUE	3.16E-10
PEF	IL6R	rs57569414	A	C	0.527	0.014	0.097	1.41E-302	-0.004	0.004	0.341	0.038	1409.915	TRUE	6.85E-272
PEF	IL6R	rs6660569	T	C	-0.149	0.018	0.052	6.70E-16	-0.009	0.007	0.213	0.002	65.215	TRUE	2.66E-13
PEF	IL6R	rs6682000	A	C	-0.070	0.008	0.477	6.99E-17	0.006	0.003	0.012	0.002	69.671	TRUE	7.91E-13
PEF	IL6R	rs6693773	T	C	-0.279	0.020	0.042	3.49E-42	-0.009	0.006	0.105	0.005	185.220	TRUE	1.42E-35
PEF	IL6R	rs67860750	C	G	0.325	0.012	0.130	2.19E-151	-0.001	0.004	0.700	0.019	686.789	TRUE	2.56E-135
PEF	IL6R	rs71628645	G	A	-0.244	0.041	0.010	1.90E-09	-0.011	0.013	0.396	0.001	36.068	TRUE	4.81E-08
PEF	IL6R	rs72700220	A	C	-0.114	0.017	0.064	2.33E-11	-0.008	0.005	0.142	0.001	44.669	TRUE	3.36E-09
PEF	IL6R	rs72999485	C	G	-0.465	0.018	0.058	1.13E-153	0.008	0.005	0.093	0.019	697.305	TRUE	5.31E-133
PEF	IL6R	rs73016210	A	G	-0.504	0.031	0.019	1.15E-58	0.023	0.013	0.077	0.007	260.785	TRUE	1.13E-49
PEF	IL6R	rs7367758	T	C	0.064	0.011	0.165	1.25E-08	-0.004	0.004	0.223	0.001	32.399	TRUE	4.37E-07
PEF	IL6R	rs74447439	C	G	-0.314	0.034	0.016	9.46E-21	0.001	0.013	0.922	0.002	87.266	TRUE	7.83E-19
PEF	IL6R	rs74660920	T	C	-0.095	0.011	0.162	5.78E-17	-0.004	0.004	0.367	0.002	70.045	TRUE	1.47E-14

PEF	IL6R	rs74859699	A	G	0.412	0.022	0.039	6.87E-81	-0.011	0.006	0.088	0.010	362.791	TRUE	3.14E-69
PEF	IL6R	rs7514174	T	C	0.152	0.020	0.044	2.09E-14	-0.003	0.006	0.598	0.002	58.441	TRUE	1.11E-12
PEF	IL6R	rs7523010	A	T	-0.088	0.010	0.246	1.41E-19	0.000	0.003	0.974	0.002	81.931	TRUE	7.57E-18
PEF	IL6R	rs76289529	T	C	0.676	0.020	0.047	1.36E-258	-0.004	0.007	0.600	0.032	1179.927	TRUE	7.53E-230
PEF	IL6R	rs76459982	G	A	-0.515	0.030	0.019	3.36E-68	-0.014	0.009	0.115	0.008	304.535	TRUE	2.11E-58
PEF	IL6R	rs76529808	T	C	-0.219	0.038	0.012	1.15E-08	0.003	0.011	0.809	0.001	32.576	TRUE	8.29E-08
PEF	IL6R	rs76683466	T	C	0.312	0.016	0.073	7.32E-83	-0.004	0.006	0.471	0.010	371.854	TRUE	2.58E-73
PEF	IL6R	rs76798800	T	G	0.078	0.009	0.307	7.16E-18	-0.016	0.003	1.59E-08	0.002	74.167	TRUE	1.19E-10
PEF	IL6R	rs77448944	T	C	0.219	0.028	0.024	2.66E-15	0.008	0.010	0.391	0.002	62.503	TRUE	3.77E-13
PEF	IL6R	rs77490383	T	G	-0.343	0.050	0.007	9.25E-12	-0.016	0.014	0.250	0.001	46.478	TRUE	8.23E-10
PEF	IL6R	rs77510509	C	T	0.271	0.015	0.083	1.12E-71	0.003	0.004	0.563	0.009	320.495	TRUE	1.27E-63
PEF	IL6R	rs77667186	T	C	0.156	0.021	0.045	3.11E-14	0.005	0.007	0.479	0.002	57.664	TRUE	2.34E-12
PEF	IL6R	rs77801962	C	T	0.531	0.022	0.036	1.30E-127	0.003	0.007	0.738	0.016	577.489	TRUE	3.07E-114
PEF	IL6R	rs78031781	T	C	0.344	0.055	0.006	3.16E-10	0.009	0.015	0.530	0.001	39.572	TRUE	6.71E-09
PEF	IL6R	rs78431420	T	G	0.291	0.026	0.028	5.82E-30	-0.005	0.009	0.584	0.004	129.297	TRUE	1.67E-26
PEF	IL6R	rs78516530	G	C	0.167	0.023	0.033	4.40E-13	0.005	0.008	0.581	0.001	52.454	TRUE	1.76E-11
PEF	IL6R	rs78651737	T	C	-0.114	0.017	0.066	1.91E-11	0.019	0.005	1.12E-04	0.001	45.054	TRUE	1.95E-07
PEF	IL6R	rs78939464	T	C	-0.151	0.025	0.027	3.50E-09	-0.006	0.009	0.470	0.001	34.883	TRUE	6.61E-08
PEF	IL6R	rs79219014	T	G	0.631	0.032	0.017	5.19E-84	-0.010	0.008	0.208	0.010	377.129	TRUE	5.08E-73
PEF	IL6R	rs79438264	T	C	0.521	0.027	0.025	1.13E-85	-0.009	0.007	0.234	0.011	384.759	TRUE	1.14E-74
PEF	IL6R	rs79752373	A	G	-0.290	0.026	0.026	3.73E-29	0.019	0.011	0.101	0.004	125.611	TRUE	2.87E-24
PEF	IL6R	rs79778789	G	A	0.672	0.026	0.027	3.56E-142	-0.021	0.010	0.036	0.018	644.436	TRUE	1.12E-121
PEF	IL6R	rs79810698	A	C	0.144	0.021	0.040	1.26E-11	-0.016	0.006	0.010	0.001	45.881	TRUE	1.50E-08
PEF	IL6R	rs8192484	T	A	-0.249	0.024	0.030	1.85E-25	-0.004	0.009	0.643	0.003	108.734	TRUE	1.33E-22
PEF	IL6R	rs878436	C	T	0.161	0.022	0.038	9.93E-14	0.002	0.007	0.769	0.002	55.378	TRUE	2.64E-12
PEF	IL6R	rs883319	T	C	-0.110	0.010	0.225	2.45E-28	0.000	0.003	0.942	0.003	121.872	TRUE	1.01E-25
PEF	IL6R	rs9660002	T	C	-0.170	0.008	0.445	3.02E-91	0.005	0.003	0.045	0.011	410.365	TRUE	1.51E-77
PEF	IL6R	rs9919337	T	C	-0.124	0.010	0.260	4.26E-38	-0.001	0.003	0.681	0.005	166.510	TRUE	5.27E-34
PEF	IRF2	rs3775576	A	C	-0.066	0.011	0.851	3.88E-09	-0.012	0.004	8.28E-04	0.001	34.683	TRUE	4.93E-06
PEF	LGALS3	rs10139315	A	G	0.099	0.009	0.757	9.32E-26	-0.004	0.003	0.192	0.003	110.092	TRUE	8.97E-22
PEF	LGALS3	rs10139709	G	C	-0.109	0.009	0.274	8.82E-33	0.003	0.003	0.235	0.004	142.187	TRUE	4.46E-28
PEF	LGALS3	rs10498477	A	G	-0.081	0.010	0.204	9.10E-16	0.007	0.003	0.028	0.002	64.614	TRUE	2.70E-12
PEF	LGALS3	rs1187886	C	G	0.110	0.010	0.189	3.17E-26	0.000	0.004	0.937	0.003	112.232	TRUE	8.61E-24
PEF	LGALS3	rs12436304	A	G	0.156	0.027	0.024	1.19E-08	0.010	0.007	0.122	0.001	32.509	TRUE	7.20E-07
PEF	LGALS3	rs12590849	G	A	0.051	0.008	0.488	5.27E-10	-0.003	0.003	0.195	0.001	38.573	TRUE	3.53E-08
PEF	LGALS3	rs12886075	T	C	-0.047	0.008	0.636	3.46E-08	-0.002	0.003	0.463	0.001	30.428	TRUE	5.03E-07
PEF	LGALS3	rs139271565	T	C	-0.332	0.056	0.006	2.20E-09	0.001	0.017	0.947	0.001	35.787	TRUE	1.39E-08
PEF	LGALS3	rs140427123	G	A	-0.500	0.036	0.013	6.74E-45	0.010	0.012	0.409	0.006	197.658	TRUE	2.46E-39
PEF	LGALS3	rs147645133	G	T	-0.388	0.035	0.012	2.91E-28	0.012	0.013	0.367	0.003	121.537	TRUE	1.72E-24
PEF	LGALS3	rs17128136	A	G	0.110	0.014	0.095	3.66E-15	-0.009	0.005	0.060	0.002	61.869	TRUE	4.87E-12
PEF	LGALS3	rs17674390	C	T	0.135	0.020	0.040	5.05E-11	0.002	0.006	0.790	0.001	43.154	TRUE	6.72E-10
PEF	LGALS3	rs17728215	A	G	0.076	0.011	0.151	2.98E-11	-0.001	0.004	0.736	0.001	44.190	TRUE	4.77E-10

PEF	LGALS3	rs2152278	A	C	-0.052	0.009	0.257	2.97E-08	0.000	0.003	0.945	0.001	30.728	TRUE	1.47E-07
PEF	LGALS3	rs41298434	A	C	-0.233	0.032	0.016	3.92E-13	0.001	0.004	0.894	0.001	52.679	TRUE	6.42E-12
PEF	LGALS3	rs4898851	T	C	-0.111	0.009	0.315	2.68E-36	0.000	0.003	0.899	0.004	158.278	TRUE	8.32E-33
PEF	LGALS3	rs55985131	T	C	-0.145	0.009	0.258	1.07E-55	0.000	0.003	0.945	0.007	247.171	TRUE	2.07E-50
PEF	LGALS3	rs56133056	G	C	-0.090	0.015	0.085	7.50E-10	0.001	0.004	0.758	0.001	37.884	TRUE	7.99E-09
PEF	LGALS3	rs56280202	T	C	-0.371	0.013	0.118	2.04E-192	0.002	0.003	0.398	0.024	875.488	TRUE	4.31E-170
PEF	LGALS3	rs71412695	G	A	-0.138	0.018	0.055	6.37E-15	0.003	0.006	0.621	0.002	60.779	TRUE	3.64E-13
PEF	LGALS3	rs7153132	A	G	-0.048	0.008	0.514	3.22E-09	-0.003	0.003	0.273	0.001	35.043	TRUE	1.20E-07
PEF	LGALS3	rs7156733	A	G	-0.160	0.027	0.023	3.95E-09	0.005	0.010	0.575	0.001	34.645	TRUE	5.54E-08
PEF	LGALS3	rs735123	T	C	-0.095	0.009	0.253	4.31E-24	0.002	0.003	0.564	0.003	102.496	TRUE	3.20E-21
PEF	LGALS3	rs76790102	T	C	-0.550	0.011	0.091	1.00E-200	0.008	0.005	0.084	0.060	2286.302	TRUE	1.00E-200
PEF	LGALS3	rs77139386	G	T	0.073	0.011	0.163	3.08E-11	-0.009	0.004	0.009	0.001	44.121	TRUE	3.22E-08
PEF	LGALS3	rs9323270	A	C	-0.096	0.009	0.248	2.52E-24	-0.003	0.003	0.362	0.003	103.561	TRUE	4.86E-21
PEF	MAPK3	rs1064524	T	C	0.112	0.019	0.045	7.88E-09	0.008	0.006	0.141	0.001	33.302	TRUE	4.57E-07
PEF	MAPK3	rs11150582	C	G	-0.106	0.010	0.181	2.33E-24	-0.003	0.004	0.347	0.003	103.715	TRUE	5.25E-21
PEF	MAPK3	rs11642632	A	G	-0.117	0.019	0.048	8.11E-10	0.000	0.007	0.979	0.001	37.731	TRUE	5.27E-09
PEF	MAPK3	rs139529748	A	T	0.146	0.022	0.033	9.63E-11	-0.002	0.015	0.895	0.001	41.893	TRUE	9.27E-10
PEF	MAPK3	rs142097700	A	G	0.147	0.023	0.034	1.32E-10	0.016	0.009	0.077	0.001	41.270	TRUE	2.53E-08
PEF	MAPK3	rs142915099	A	G	0.144	0.023	0.032	8.82E-10	-0.002	0.010	0.862	0.001	37.567	TRUE	7.46E-09
PEF	MAPK3	rs149549354	G	A	0.114	0.020	0.043	6.74E-09	-0.003	0.007	0.696	0.001	33.605	TRUE	6.76E-08
PEF	MAPK3	rs34286592	T	C	-0.062	0.011	0.157	3.19E-08	-0.002	0.004	0.676	0.001	30.586	TRUE	2.78E-07
PEF	MAPK3	rs34679599	T	C	-0.112	0.014	0.099	2.08E-16	-0.002	0.005	0.663	0.002	67.519	TRUE	1.49E-14
PEF	MAPK3	rs4500746	C	T	0.076	0.009	0.662	8.22E-19	0.008	0.003	0.002	0.002	78.442	TRUE	6.85E-14
PEF	MAPK3	rs4788186	G	A	-0.114	0.008	0.631	2.65E-41	-0.004	0.003	0.124	0.005	181.190	TRUE	5.81E-35
PEF	MAPK3	rs549993187	A	C	0.241	0.039	0.012	5.63E-10	0.002	0.015	0.913	0.001	38.442	TRUE	4.39E-09
PEF	MAPK3	rs55732507	C	T	0.240	0.008	0.400	9.45E-188	0.010	0.003	6.94E-05	0.023	854.028	TRUE	6.21E-155
PEF	MAPK3	rs56329348	A	G	0.181	0.022	0.037	1.08E-16	0.025	0.007	1.98E-04	0.002	68.816	TRUE	1.36E-11
PEF	MAPK3	rs62054903	G	A	0.136	0.024	0.028	2.56E-08	-0.011	0.009	0.214	0.001	31.011	TRUE	8.59E-07
PEF	MAPK3	rs6565174	C	A	0.162	0.012	0.869	3.82E-41	0.009	0.004	0.019	0.005	180.462	TRUE	1.73E-33
PEF	MAPK3	rs76840156	T	C	0.128	0.023	0.032	3.72E-08	0.015	0.009	0.095	0.001	30.288	TRUE	2.28E-06
PEF	MAPK3	rs80154727	A	G	-0.172	0.031	0.018	1.78E-08	-0.007	0.012	0.591	0.001	31.718	TRUE	2.02E-07
PEF	MAPK3	rs9936065	T	C	0.146	0.022	0.037	1.79E-11	0.014	0.007	0.053	0.001	45.181	TRUE	6.31E-09
PEF	MCL1	rs41272019	T	C	-0.879	0.045	0.008	2.17E-86	0.036	0.010	2.58E-04	0.011	388.051	TRUE	2.05E-69
PEF	MCL1	rs72692830	T	C	-0.127	0.018	0.052	1.35E-12	0.008	0.006	0.183	0.001	50.258	TRUE	2.28E-10
PEF	MET	rs10227421	C	T	0.090	0.013	0.126	9.96E-13	0.000	0.004	0.944	0.001	50.849	TRUE	1.34E-11
PEF	MET	rs10435378	A	G	0.131	0.008	0.560	3.41E-55	0.005	0.003	0.049	0.007	244.857	TRUE	3.31E-46
PEF	MET	rs117491363	T	C	-0.106	0.019	0.053	1.58E-08	-0.002	0.007	0.745	0.001	31.951	TRUE	1.28E-07
PEF	MET	rs11765243	A	G	-0.135	0.020	0.045	1.36E-11	-0.003	0.006	0.595	0.001	45.725	TRUE	3.47E-10
PEF	MET	rs138121767	T	C	0.154	0.022	0.039	8.87E-13	0.003	0.007	0.658	0.001	51.076	TRUE	2.56E-11
PEF	MET	rs144286944	T	A	-0.203	0.031	0.018	6.65E-11	0.012	0.009	0.211	0.001	42.618	TRUE	5.53E-09
PEF	MET	rs146572585	G	A	0.203	0.026	0.027	5.39E-15	-0.002	0.011	0.867	0.002	61.110	TRUE	1.48E-13
PEF	MET	rs189305665	T	C	-0.159	0.024	0.033	1.45E-11	-0.032	0.015	0.033	0.001	45.593	TRUE	7.76E-09

PEF	MET	rs2237712	G	A	0.174	0.020	0.045	3.34E-18	-0.011	0.007	0.124	0.002	75.676	TRUE	5.80E-15
PEF	MET	rs35596763	A	G	-0.087	0.015	0.082	7.32E-09	-0.009	0.004	0.028	0.001	33.446	TRUE	1.42E-06
PEF	MET	rs3779547	G	A	0.058	0.008	0.523	3.30E-12	0.000	0.003	0.920	0.001	48.498	TRUE	4.32E-11
PEF	MET	rs42476	A	G	-0.099	0.013	0.875	4.65E-15	-0.014	0.004	4.63E-04	0.002	61.398	TRUE	1.67E-10
PEF	MET	rs71564564	A	G	0.107	0.020	0.048	4.49E-08	0.010	0.007	0.167	0.001	29.925	TRUE	1.69E-06
PEF	MET	rs74867453	A	G	0.129	0.024	0.032	4.59E-08	0.012	0.006	0.047	0.001	29.879	TRUE	4.37E-06
PEF	MET	rs77690238	G	A	-0.156	0.024	0.032	5.08E-11	-0.002	0.009	0.828	0.001	43.144	TRUE	6.18E-10
PEF	MET	rs78545715	A	G	-0.130	0.018	0.060	1.98E-13	-0.004	0.006	0.548	0.002	54.017	TRUE	9.76E-12
PEF	PRKCA	rs113015462	T	C	-0.077	0.012	0.131	3.55E-10	-0.002	0.004	0.626	0.001	39.342	TRUE	5.94E-09
PEF	PRKCA	rs12601617	C	T	-0.049	0.008	0.467	2.00E-09	-0.002	0.003	0.349	0.001	35.973	TRUE	6.08E-08
PEF	PRKCA	rs61762372	A	G	0.081	0.008	0.370	1.60E-21	-0.009	0.003	5.91E-04	0.003	90.779	TRUE	1.04E-15
PEF	RET	rs10793436	T	G	-0.048	0.009	0.331	3.35E-08	0.003	0.003	0.321	0.001	30.495	TRUE	6.96E-07
PEF	RET	rs10793451	C	T	-0.076	0.008	0.405	6.89E-20	0.002	0.003	0.410	0.002	83.342	TRUE	3.11E-17
PEF	RET	rs11238522	G	A	0.063	0.009	0.319	1.04E-12	-0.005	0.003	0.087	0.001	50.759	TRUE	3.81E-10
PEF	RET	rs11239758	C	A	-0.184	0.028	0.022	2.57E-11	-0.011	0.011	0.332	0.001	44.478	TRUE	1.41E-09
PEF	RET	rs11239862	T	G	-0.253	0.019	0.047	1.02E-39	0.000	0.006	0.975	0.005	173.938	TRUE	4.71E-36
PEF	RET	rs11492892	A	G	-0.064	0.009	0.473	1.12E-13	-0.016	0.017	0.351	0.002	55.148	TRUE	1.16E-11
PEF	RET	rs117880176	T	C	-0.095	0.016	0.069	3.81E-09	-0.006	0.005	0.225	0.001	34.717	TRUE	1.62E-07
PEF	RET	rs118024813	A	G	-0.305	0.049	0.007	4.55E-10	-0.009	0.012	0.460	0.001	38.858	TRUE	1.14E-08
PEF	RET	rs118029903	C	T	0.390	0.042	0.010	1.38E-20	0.007	0.011	0.516	0.002	86.523	TRUE	4.97E-18
PEF	RET	rs12357104	T	C	-0.232	0.030	0.017	2.66E-14	0.018	0.010	0.076	0.002	57.966	TRUE	2.00E-11
PEF	RET	rs138142462	A	G	0.129	0.022	0.037	2.32E-09	0.007	0.007	0.349	0.001	35.680	TRUE	6.75E-08
PEF	RET	rs138293608	G	A	-0.292	0.024	0.030	9.24E-34	0.004	0.008	0.661	0.004	146.667	TRUE	4.82E-30
PEF	RET	rs141877667	C	T	0.247	0.024	0.030	7.14E-25	-0.004	0.007	0.562	0.003	106.058	TRUE	6.37E-22
PEF	RET	rs143362192	A	G	0.210	0.019	0.048	7.12E-28	-0.002	0.007	0.804	0.003	119.757	TRUE	4.65E-25
PEF	RET	rs145347021	A	T	0.205	0.026	0.024	8.81E-15	0.011	0.012	0.370	0.002	60.142	TRUE	1.18E-12
PEF	RET	rs145956876	T	A	0.191	0.022	0.036	2.69E-18	-0.012	0.008	0.109	0.002	76.102	TRUE	5.66E-15
PEF	RET	rs147000035	A	G	-0.181	0.032	0.018	1.19E-08	0.006	0.011	0.581	0.001	32.501	TRUE	1.46E-07
PEF	RET	rs17158508	A	G	0.082	0.013	0.121	5.77E-11	-0.013	0.004	0.001	0.001	42.895	TRUE	1.53E-07
PEF	RET	rs17158616	T	C	0.114	0.019	0.047	2.29E-09	-0.002	0.006	0.703	0.001	35.710	TRUE	2.53E-08
PEF	RET	rs17447650	C	A	0.116	0.021	0.039	4.09E-08	0.005	0.006	0.401	0.001	30.106	TRUE	6.91E-07
PEF	RET	rs1830490	C	T	-0.121	0.015	0.079	3.46E-15	0.002	0.004	0.645	0.002	61.980	TRUE	1.90E-13
PEF	RET	rs186336227	C	T	-0.281	0.036	0.014	3.44E-15	-0.018	0.015	0.230	0.002	61.994	TRUE	1.02E-12
PEF	RET	rs187025270	A	G	0.328	0.041	0.010	1.62E-15	0.006	0.015	0.696	0.002	63.475	TRUE	8.39E-14
PEF	RET	rs2435359	G	A	0.338	0.009	0.737	1.84E-298	-0.007	0.003	0.018	0.037	1363.373	TRUE	1.75E-256
PEF	RET	rs2505523	A	G	-0.047	0.008	0.567	1.42E-08	-0.003	0.003	0.279	0.001	32.161	TRUE	3.98E-07
PEF	RET	rs2505525	C	T	0.077	0.009	0.299	7.98E-18	-0.001	0.003	0.704	0.002	73.955	TRUE	6.84E-16
PEF	RET	rs2506031	A	G	-0.207	0.010	0.184	5.08E-87	0.002	0.004	0.505	0.011	390.951	TRUE	3.98E-77
PEF	RET	rs2742249	T	C	0.138	0.008	0.383	2.08E-60	-0.001	0.003	0.821	0.008	268.781	TRUE	2.54E-54
PEF	RET	rs2744069	C	T	0.185	0.008	0.465	6.90E-112	-0.002	0.003	0.504	0.014	505.205	TRUE	3.18E-99
PEF	RET	rs2795507	C	T	-0.335	0.010	0.784	2.09E-251	0.000	0.003	0.941	0.031	1146.857	TRUE	1.90E-225
PEF	RET	rs2995394	A	G	0.161	0.010	0.225	3.41E-60	-0.002	0.003	0.575	0.007	267.794	TRUE	1.81E-53

PEF	RET	rs3026693	A	C	-0.132	0.011	0.184	2.83E-36	0.003	0.003	0.422	0.004	158.166	TRUE	9.69E-32
PEF	RET	rs3026728	G	T	0.139	0.009	0.257	7.51E-49	-0.004	0.003	0.169	0.006	215.774	TRUE	7.13E-42
PEF	RET	rs489726	C	T	-0.092	0.016	0.924	6.43E-09	-0.004	0.005	0.454	0.001	33.698	TRUE	1.17E-07
PEF	RET	rs56677915	G	A	-0.079	0.009	0.277	5.85E-18	0.002	0.003	0.446	0.002	74.565	TRUE	1.38E-15
PEF	RET	rs61845273	C	A	-0.217	0.025	0.028	2.44E-18	-0.008	0.007	0.265	0.002	76.296	TRUE	1.58E-15
PEF	RET	rs61845676	G	C	-0.084	0.015	0.089	7.83E-09	0.005	0.004	0.180	0.001	33.315	TRUE	3.68E-07
PEF	RET	rs7074964	G	A	0.165	0.010	0.802	1.07E-57	-0.002	0.003	0.513	0.007	256.331	TRUE	4.97E-51
PEF	RET	rs72781212	T	C	0.318	0.016	0.075	2.47E-93	-0.002	0.006	0.665	0.012	419.952	TRUE	2.44E-83
PEF	RET	rs74135470	T	C	-0.291	0.039	0.012	5.68E-14	-0.002	0.014	0.880	0.002	56.477	TRUE	1.18E-12
PEF	RET	rs75137653	A	G	0.211	0.026	0.026	1.34E-16	-0.005	0.008	0.567	0.002	68.387	TRUE	1.41E-14
PEF	RET	rs77889510	A	G	0.096	0.014	0.094	6.88E-12	-0.004	0.005	0.414	0.001	47.060	TRUE	3.43E-10
PEF	RET	rs787447	T	G	-0.235	0.010	0.192	3.64E-114	0.005	0.003	0.127	0.014	515.681	TRUE	6.18E-99
PEF	RET	rs7921967	G	A	0.060	0.008	0.548	2.49E-13	0.000	0.003	0.908	0.002	53.574	TRUE	4.18E-12
PEF	RET	rs79694172	C	T	0.139	0.023	0.034	1.62E-09	0.004	0.007	0.555	0.001	36.388	TRUE	2.65E-08
PEF	RET	rs79844083	G	C	0.154	0.024	0.029	2.65E-10	-0.005	0.009	0.573	0.001	39.914	TRUE	5.12E-09
PEF	RET	rs9326506	C	A	0.059	0.008	0.495	8.88E-13	0.004	0.003	0.149	0.001	51.074	TRUE	2.14E-10
PEF	RET	rs9422386	G	A	0.115	0.020	0.045	4.42E-09	0.017	0.007	0.016	0.001	34.428	TRUE	1.23E-06
PEF	SFRP1	rs113287539	A	G	-0.110	0.020	0.046	3.24E-08	0.009	0.008	0.279	0.001	30.557	TRUE	8.18E-07
PEF	SFRP1	rs11778807	T	C	-0.113	0.013	0.878	1.07E-18	0.001	0.004	0.723	0.002	77.913	TRUE	1.15E-16
PEF	SFRP1	rs12547239	A	G	-0.062	0.009	0.687	7.51E-12	0.002	0.003	0.560	0.001	46.887	TRUE	2.34E-10
PEF	SFRP1	rs13268698	G	T	0.183	0.023	0.032	5.75E-15	-0.008	0.008	0.302	0.002	60.982	TRUE	1.11E-12
PEF	SFRP1	rs138953270	A	G	0.081	0.012	0.137	5.60E-11	-0.008	0.004	0.051	0.001	42.952	TRUE	1.67E-08
PEF	SFRP1	rs143089503	T	C	-0.118	0.019	0.054	2.92E-10	-0.010	0.006	0.074	0.001	39.728	TRUE	4.94E-08
PEF	SFRP1	rs145917781	T	C	0.245	0.031	0.018	5.25E-15	-0.010	0.011	0.374	0.002	61.162	TRUE	7.25E-13
PEF	SFRP1	rs149469919	G	A	-0.181	0.030	0.020	1.58E-09	0.002	0.010	0.816	0.001	36.431	TRUE	1.39E-08
PEF	SFRP1	rs150153367	A	G	-0.180	0.028	0.023	1.32E-10	0.007	0.008	0.396	0.001	41.284	TRUE	4.73E-09
PEF	SFRP1	rs183616820	G	A	-0.243	0.036	0.014	8.34E-12	0.017	0.009	0.065	0.001	46.682	TRUE	2.87E-09
PEF	SFRP1	rs34575371	T	C	0.126	0.014	0.096	8.70E-19	0.000	0.004	0.909	0.002	78.329	TRUE	4.76E-17
PEF	SFRP1	rs35559207	C	T	0.069	0.011	0.178	3.28E-10	0.003	0.004	0.404	0.001	39.500	TRUE	1.00E-08
PEF	SFRP1	rs56349125	T	G	0.083	0.012	0.145	2.64E-12	0.007	0.004	0.071	0.001	48.940	TRUE	1.03E-09
PEF	SFRP1	rs62642264	T	C	-0.130	0.013	0.128	6.42E-25	0.006	0.004	0.136	0.003	106.269	TRUE	8.25E-21
PEF	SFRP1	rs62642270	G	A	-0.129	0.011	0.162	1.53E-29	0.008	0.003	0.020	0.004	127.375	TRUE	1.13E-23
PEF	SFRP1	rs62642295	C	T	0.133	0.019	0.049	5.13E-12	0.004	0.005	0.479	0.001	47.635	TRUE	2.07E-10
PEF	SFRP1	rs6415707	G	T	-0.120	0.009	0.285	4.25E-38	0.006	0.003	0.027	0.005	166.515	TRUE	3.99E-31
PEF	SFRP1	rs6651363	A	G	0.063	0.009	0.347	9.31E-13	-0.001	0.003	0.721	0.001	50.981	TRUE	2.22E-11
PEF	SFRP1	rs72642707	A	T	-0.233	0.032	0.018	2.45E-13	0.015	0.010	0.133	0.002	53.603	TRUE	7.54E-11
PEF	SFRP1	rs72643819	T	G	-0.158	0.008	0.418	5.87E-77	0.009	0.003	2.89E-04	0.010	344.737	TRUE	1.72E-61
PEF	SFRP1	rs72645550	T	G	-0.157	0.027	0.025	4.45E-09	0.011	0.009	0.229	0.001	34.414	TRUE	1.79E-07
PEF	SFRP1	rs74501864	C	T	-0.106	0.017	0.064	8.07E-10	0.002	0.006	0.717	0.001	37.742	TRUE	9.59E-09
PEF	SFRP1	rs75155803	C	T	0.177	0.019	0.050	2.60E-20	-0.003	0.006	0.612	0.002	85.269	TRUE	6.07E-18
PEF	SFRP1	rs76346677	T	C	0.183	0.016	0.074	3.59E-30	0.003	0.005	0.450	0.004	130.254	TRUE	2.18E-26
PEF	SFRP1	rs7813807	A	C	-0.126	0.008	0.467	2.50E-51	-0.005	0.003	0.042	0.006	227.136	TRUE	8.67E-43

PEF	SFRP1	rs78408644	A	G	0.243	0.041	0.011	2.12E-09	0.007	0.011	0.491	0.001	35.857	TRUE	4.03E-08
PEF	SFRP1	rs79008035	C	A	0.325	0.035	0.014	1.29E-20	-0.016	0.014	0.237	0.002	86.659	TRUE	1.91E-17
PEF	SFRP1	rs933832	C	A	-0.060	0.009	0.674	2.42E-11	0.005	0.003	0.056	0.001	44.592	TRUE	7.96E-09
PEF	SHH	rs10225292	C	T	-0.093	0.009	0.348	2.18E-26	0.008	0.003	0.003	0.003	112.971	TRUE	2.92E-20
PEF	SHH	rs1233561	C	A	-0.102	0.018	0.941	6.00E-09	-0.012	0.005	0.019	0.001	33.831	TRUE	1.48E-06
PEF	SHH	rs2239966	T	C	0.048	0.009	0.613	2.14E-08	-0.003	0.003	0.328	0.001	31.359	TRUE	4.74E-07
PEF	SHH	rs35850787	T	C	-0.051	0.008	0.452	9.35E-10	0.002	0.003	0.465	0.001	37.453	TRUE	2.11E-08
PEF	SHH	rs66704380	G	T	0.061	0.010	0.214	1.78E-09	0.003	0.003	0.298	0.001	36.199	TRUE	6.20E-08
PEF	SHH	rs9333596	G	A	-0.106	0.011	0.159	2.89E-20	0.000	0.003	0.997	0.002	85.061	TRUE	1.66E-18
PEF	WWOX	rs11545029	A	G	-0.070	0.008	0.617	6.34E-18	-0.009	0.003	9.35E-04	0.002	74.407	TRUE	5.54E-13
PEF	WWOX	rs12596766	C	G	0.047	0.009	0.299	3.82E-08	0.006	0.003	0.022	0.001	30.237	TRUE	5.72E-06
PEF	WWOX	rs4888769	C	T	0.051	0.008	0.606	1.47E-10	0.002	0.003	0.457	0.001	41.069	TRUE	4.17E-09

PCD, programmed cell death; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; SNP, single nucleotide polymorphsim

Table S39. Colocalization analysis of associations between PCD-related gene methylation and lung function parameters*

Outcome	Gene	probeID	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
FVC	MCL1	cg13175981	1247	1.20E-252	1.43E-24	8.16E-229	0.97	0.03
FVC	PPT2	cg03434432	425	0.00E+00	1.43E-16	0.00E+00	4.60E-06	1.00
FVC	PPT2	cg00086577	398	2.03E-109	1.43E-16	1.43E-96	4.60E-06	1.00
FVC	PPT2	cg04856022	330	1.26E-82	1.43E-16	8.86E-70	4.60E-06	1.00
FVC	PPT2	cg04536704	304	9.10E-74	1.43E-16	6.40E-61	4.60E-06	1.00
FVC	PPT2	cg06832687	290	3.54E-70	1.43E-16	2.50E-57	4.60E-06	1.00
FVC	PPT2	cg03995156	297	1.65E-58	1.42E-16	1.17E-45	4.60E-06	1.00
FVC	MCL1	cg18016565	1017	9.15E-57	1.48E-24	6.20E-33	1.00	3.88E-07
FVC	PRRT1;PPT2	cg00403498	281	2.18E-54	1.42E-16	1.54E-41	4.21E-06	1.00
FVC	TRIM27	cg23756442	136	2.17E-48	1.11E-18	1.01E-31	0.05	0.95
FVC	PPT2	cg21241317	243	3.98E-38	1.42E-16	2.81E-25	4.24E-06	1.00
FVC	STX4	cg07404961	596	1.85E-52	5.49E-11	2.76E-43	0.08	0.92
FVC	PPT2	cg04877280	244	4.79E-33	1.42E-16	3.38E-20	4.25E-06	1.00
FVC	MCL1	cg02961109	649	2.05E-36	1.45E-24	1.39E-12	0.98	0.02
FVC	PPT2;PRRT1	cg23359665	213	4.03E-27	1.53E-16	2.85E-14	8.49E-05	1.00
FVC	EYA2	cg26046136	485	2.09E-30	2.71E-17	7.74E-14	1.00	7.10E-04
FVC	STX4	cg06233904	640	2.47E-31	1.00E-10	3.69E-22	0.15	0.85
FVC	PPT2;PRRT1	cg06108383	218	3.22E-26	1.60E-16	2.28E-13	1.33E-04	1.00
FVC	PPT2;PRRT1	cg02956248	216	7.30E-26	2.00E-16	5.16E-13	4.14E-04	1.00
FVC	WNT4	cg25011003	750	1.02E-39	2.81E-08	9.10E-35	1.50E-03	1.00
FVC	CSF2	cg16565692	1125	2.65E-28	2.01E-10	4.80E-20	0.04	0.96
FVC	PPT2;PRRT1	cg17113856	220	8.27E-27	2.36E-16	5.85E-14	6.71E-04	1.00
FVC	WNT4	cg15582954	718	8.51E-28	2.80E-08	2.16E-22	6.09E-03	0.99
FVC	IREB2	cg13714459	677	6.01E-34	5.19E-07	1.86E-28	0.16	0.84
FVC	CSF2	cg16465129	867	6.62E-23	8.87E-10	1.20E-14	0.16	0.84
FVC	PPT2	cg27070869	87	3.77E-22	1.43E-16	2.66E-09	4.70E-06	1.00
FVC	IREB2	cg19941054	512	2.21E-29	5.20E-07	6.81E-24	0.16	0.84
FVC	STX4	cg08893833	578	2.12E-20	7.52E-11	3.16E-11	0.11	0.89
FVC	CTSS	cg15900387	620	8.64E-32	1.09E-24	5.85E-08	0.74	0.26
FVC	BCL2L1	cg13852791	1588	0.00E+00	1.53E-04	0.00E+00	0.07	0.93
FVC	PPT2	cg17384105	121	5.11E-33	1.44E-13	3.54E-20	1.00	1.01E-06
FVC	TRIM27	cg27120125	95	1.93E-23	2.19E-19	9.01E-07	9.23E-03	0.99
FVC	MUC1	cg15699386	596	1.21E-92	2.64E-04	2.82E-91	5.13E-03	0.99
FVC	TNF	cg10717214	351	6.61E-17	3.25E-13	2.49E-06	0.01	0.99
FVC	PPT2;PRRT1	cg13934406	158	5.18E-19	4.51E-15	3.71E-06	0.03	0.97
FVC	HIP1R	cg19340625	442	2.44E-50	1.70E-04	1.40E-48	8.73E-03	0.99
FVC	PARK7	cg00042356	1426	3.36E-90	6.45E-04	6.06E-88	0.12	0.88
FVC	BMF	cg09749364	400	3.15E-14	7.66E-09	1.92E-08	3.67E-03	1.00
FVC	PPT2;PRRT1	cg06025456	200	1.51E-19	9.88E-16	1.07E-06	5.97E-03	0.99
FVC	FEZ1	cg12906303	1224	6.70E-109	1.76E-03	2.48E-108	5.51E-03	0.99

FVC	PPT2;PRRT1	cg10551329	191	1.08E-18	2.71E-16	7.62E-06	9.10E-04	1.00
FVC	FGF10	cg16536718	563	5.12E-19	5.98E-11	8.56E-09	1.00	3.21E-04
FVC	GPX1	cg07274523	864	2.32E-61	1.02E-03	1.47E-58	0.65	0.35
FVC	TRAP1	cg04439028	416	1.61E-26	3.03E-21	5.31E-06	1.00	3.88E-04
FVC	GPX1	cg02758552	891	9.11E-41	8.52E-04	5.79E-38	0.54	0.46
FVC	ATP2A1	cg04414917	600	3.71E-60	6.85E-04	4.81E-57	0.89	0.11
FVC	MUL1	cg26370078	1319	0.00E+00	4.66E-03	0.00E+00	0.06	0.94
FVC	ATP13A2	cg06953703	346	1.03E-21	1.45E-17	6.30E-05	0.88	0.12
FVC	FER	cg16174681	1085	3.38E-27	5.31E-04	2.29E-25	0.04	0.96
FVC	SNORD71;AP1G1	cg03540912	1803	8.92E-108	4.39E-03	3.86E-106	0.19	0.81
FVC	ATP2A1	cg05966235	722	3.71E-265	7.02E-04	4.79E-262	0.91	0.09
FVC	FEZ1	cg18436735	1205	5.80E-64	2.34E-03	3.45E-63	0.01	0.98
FVC	NUPR1	cg05590982	544	1.93E-15	1.46E-05	2.49E-12	0.02	0.98
FVC	CUL3	cg06867755	1452	4.05E-125	7.59E-03	1.82E-124	0.03	0.96
FVC	PARK7	cg10385390	1067	2.04E-27	9.44E-04	3.67E-25	0.17	0.83
FVC	FEZ1	cg01460481	1261	9.76E-114	3.79E-03	3.75E-113	0.01	0.98
FVC	HSP90AA1	cg02017208	1252	4.15E-99	0.01	1.26E-98	0.03	0.96
FVC	TMBIM6	cg20471783	1022	2.69E-134	3.26E-03	5.46E-132	0.66	0.33
FVC	PPT2;PRRT1	cg12883279	183	6.94E-18	1.06E-14	4.93E-05	0.07	0.93
FVC	TNF	cg11484872	200	3.45E-13	5.99E-11	8.32E-05	0.01	0.99
FVC	UNC5B	cg19673155	270	2.40E-15	7.43E-04	1.39E-14	3.29E-03	1.00
FVC	ATP13A2	cg16027378	360	1.01E-22	1.93E-18	6.13E-06	0.12	0.88
FVC	JMY	cg24856658	602	4.75E-25	2.54E-03	1.89E-23	0.10	0.90
FVC	FER	cg11403831	618	1.05E-14	4.75E-04	7.13E-13	0.03	0.97
FVC	FAIM	cg17462391	625	8.83E-29	3.11E-03	2.00E-26	0.70	0.29
FVC	UNC5B	cg11224737	447	2.52E-19	2.27E-03	1.45E-18	0.01	0.99
FVC	TMEM102	cg18064787	508	4.47E-45	2.58E-03	1.48E-42	0.86	0.14
FVC	SLC30A2	cg01689405	663	7.10E-20	2.92E-04	2.34E-16	0.96	0.04
FVC	NEU1;SLC44A4	cg21116447	142	1.52E-15	1.34E-08	1.14E-07	1.00	2.97E-06
FVC	WNT4	cg00356045	437	1.25E-12	2.34E-06	1.21E-07	0.22	0.78
FVC	FEZ2	cg06634576	1058	0.00E+00	0.01	0.00E+00	0.81	0.18
FVC	MEFV	cg03919650	340	1.40E-25	0.02	4.01E-25	0.06	0.92
FVC	MAP1LC3A	cg01901788	999	6.24E-129	5.00E-11	1.25E-118	1.00	1.08E-09
FVC	TP53INP2	cg00876694	967	6.30E-19	3.96E-11	1.59E-08	1.00	2.90E-07
FVC	DDIT4	cg01839993	771	3.05E-14	6.61E-03	5.20E-13	0.11	0.88
FVC	NUPR1	cg15149645	468	1.13E-39	7.56E-04	1.46E-36	0.98	0.02
FVC	HINT1	cg08523029	1341	0.00E+00	1.75E-04	0.00E+00	1.00	1.67E-03
FVC	CRADD	cg23535137	470	3.67E-13	0.01	2.16E-12	0.06	0.93
FVC	SFN	cg13235717	400	3.91E-20	0.02	1.25E-19	0.06	0.92
FVC	THBS1	cg25503381	813	7.01E-13	0.02	4.37E-12	0.14	0.84
FVC	MEFV	cg05554494	325	3.89E-49	4.17E-13	9.33E-37	1.00	8.49E-12
FVC	HSP90AA1	cg11789371	778	3.83E-15	0.01	1.17E-14	0.03	0.95

FVC	TP53INP2	cg04270048	1141	5.05E-66	1.53E-09	3.30E-57	1.00	1.75E-08
FVC	RRAGA	cg25822709	1250	7.37E-131	0.11	5.80E-131	0.08	0.81
FVC	BMF	cg26662201	192	1.14E-12	1.47E-08	6.90E-07	7.86E-03	0.99
FVC	USP36	cg23834688	761	1.07E-109	0.11	5.06E-110	0.05	0.83
FVC	CD164	cg08222271	1041	5.78E-21	0.05	9.03E-21	0.08	0.86
FVC	ATP2A1	cg27473355	453	4.90E-12	8.76E-04	5.15E-09	0.92	0.08
FVC	USP36	cg15465367	613	1.24E-69	0.13	5.80E-70	0.06	0.81
FVC	AP3D1	cg19290738	992	0.00E+00	0.20	0.00E+00	0.04	0.76
FVC	USP36	cg17278466	528	5.94E-48	0.12	2.73E-48	0.05	0.83
FVC	TPCN2	cg18503234	686	5.77E-14	0.02	1.75E-13	0.07	0.90
FVC	CD14	cg09824255	452	1.81E-14	0.02	3.58E-13	0.42	0.56
FVC	JMY	cg09228878	517	7.50E-08	2.10E-03	3.00E-06	0.08	0.91
FVC	NEU1	cg13634177	162	1.41E-12	3.07E-11	0.04	0.81	0.15
FVC	TNF	cg12681001	279	1.15E-13	8.00E-12	4.35E-03	0.30	0.69
FVC	USP36	cg10256330	589	1.93E-49	0.16	8.89E-50	0.07	0.77
FVC	RRAGA	cg14727880	926	5.65E-20	0.14	5.97E-20	0.15	0.70
FVC	HRAS	cg12989344	997	7.80E-45	0.18	1.71E-45	0.04	0.78
FVC	HYAL2	cg12150256	509	1.04E-15	1.72E-03	5.90E-13	0.98	0.02
FVC	KDR	cg18177533	204	4.83E-07	2.30E-04	1.66E-04	0.08	0.92
FVC	PRKCA	cg12467435	1114	8.41E-13	0.04	6.98E-12	0.36	0.60
FVC	OTUB1	cg12836303	815	5.30E-165	0.29	7.34E-166	0.04	0.67
FVC	HYAL2	cg12976582	754	3.12E-39	1.06E-03	2.92E-36	0.99	5.48E-03
FVC	USP36	cg20126656	523	5.08E-63	0.22	2.33E-63	0.10	0.68
FVC	BMF	cg07887985	227	1.34E-10	1.79E-06	6.33E-05	0.85	0.15
FVC	GFAP	cg07918341	534	7.01E-08	8.33E-03	4.36E-06	0.52	0.47
FVC	HYAL2	cg13341668	871	4.72E-31	1.23E-03	3.81E-28	0.99	6.23E-03
FVC	PTPMT1	cg05377527	1363	4.30E-65	0.29	1.16E-65	0.08	0.63
FVC	GFAP	cg18208742	700	9.50E-07	0.02	1.93E-06	0.05	0.93
FVC	EYA4	cg17985029	1625	1.45E-158	0.36	3.20E-159	0.08	0.56
FVC	KDR	cg25444386	365	4.83E-06	1.88E-03	1.60E-03	0.62	0.37
FVC	FGFR1	cg16625770	635	1.15E-69	0.39	8.80E-71	0.03	0.58
FVC	NFATC4	cg06993714	618	1.47E-71	0.25	4.69E-72	0.08	0.66
FVC	AP3D1	cg17656426	708	1.13E-124	0.42	2.52E-125	0.09	0.49
FVC	MUC1	cg22500132	392	6.91E-13	9.90E-03	1.62E-11	0.23	0.76
FVC	CTSF	cg23230554	836	8.12E-29	2.95E-05	2.75E-24	1.00	7.79E-05
FVC	HIPK2	cg14405813	448	7.35E-125	0.31	4.63E-125	0.19	0.50
FVC	TGFB2	cg20991819	464	2.51E-13	1.93E-09	1.30E-04	1.00	1.90E-03
FVC	PPT2;PRRT1	cg06814287	244	4.26E-28	1.41E-13	2.99E-15	0.99	7.54E-03
FVC	CD14	cg08830139	494	8.84E-07	0.02	1.76E-05	0.45	0.53
FVC	NFATC4	cg26158983	230	1.95E-27	0.25	6.05E-28	0.08	0.67
FVC	FGFR1	cg15321288	647	1.11E-89	0.47	9.54E-91	0.04	0.50
FVC	HINT1	cg07158495	891	1.47E-12	1.74E-04	8.42E-09	1.00	1.50E-03

FVC	FOXK2	cg24220178	741	1.74E-30	0.37	3.32E-32	6.55E-03	0.62
FVC	WWOX	cg01365766	303	2.10E-07	1.46E-03	7.13E-05	0.49	0.50
FVC	DDIT4	cg20897136	636	8.09E-07	8.24E-03	1.38E-05	0.14	0.85
FVC	CREB3L4;SLC39A1	cg09895920	618	2.37E-16	0.07	2.66E-15	0.81	0.12
FVC	ING5	cg20516529	935	7.60E-33	1.13E-09	6.71E-24	1.00	1.62E-10
FVC	GGA1	cg04984879	398	9.91E-13	0.17	1.48E-13	0.02	0.80
FVC	USP47	cg24383467	935	7.29E-153	0.50	7.25E-154	0.05	0.45
FVC	FEZ2	cg24860371	341	4.23E-11	0.02	1.87E-09	0.84	0.14
FVC	NFATC4	cg14058476	584	5.98E-18	0.21	1.92E-18	0.07	0.72
FVC	KIF1B	cg23716690	1304	3.46E-79	0.30	4.93E-79	0.43	0.27
FVC	GDNF	cg24813562	684	2.65E-37	0.33	1.49E-37	0.18	0.49
FVC	DIDO1	cg21976603	457	3.89E-31	0.43	9.09E-33	9.43E-03	0.56
FVC	DDIT4	cg10592592	757	3.19E-06	8.28E-03	5.43E-05	0.14	0.85
FVC	ING5	cg13262212	372	1.99E-19	1.31E-04	1.52E-15	1.00	7.70E-04
FVC	BCL2	cg21793948	333	5.58E-08	0.36	2.20E-09	0.01	0.63
FVC	STAT3	cg25857307	150	1.64E-05	0.02	3.09E-05	0.04	0.94
FVC	PRKCA	cg04955246	573	3.48E-05	0.05	1.61E-04	0.21	0.75
FVC	EYA4	cg13912545	786	2.82E-14	0.37	4.65E-15	0.06	0.57
FVC	EYA4	cg21296676	680	7.73E-14	0.36	1.26E-14	0.06	0.58
FVC	TBXAS1;HIPK2	cg00445997	389	6.83E-15	0.30	4.32E-15	0.19	0.51
FVC	PPT2;PRRT1	cg20328456	233	5.77E-22	1.41E-13	4.09E-09	1.00	8.03E-05
FVC	DIDO1	cg04226366	720	9.89E-86	0.53	3.14E-87	0.02	0.45
FVC	FEM1B	cg09796457	581	3.37E-27	0.16	1.39E-26	0.67	0.17
FVC	PRKCA	cg17069533	497	8.74E-06	7.53E-03	7.26E-05	0.06	0.93
FVC	FOXK2	cg21093005	641	1.78E-12	0.36	3.03E-14	5.57E-03	0.63
FVC	USP36	cg07385573	532	1.52E-32	0.39	6.97E-33	0.18	0.43
FVC	MUC1	cg22531371	420	3.20E-07	0.03	7.48E-06	0.74	0.23
FVC	ATP2A1	cg08213689	355	5.03E-08	6.58E-04	6.51E-05	0.85	0.15
FVC	USP36	cg19024575	249	3.70E-06	0.20	1.68E-06	0.09	0.71
FVC	PAFAH1B2	cg10398005	1020	2.32E-08	0.13	1.08E-07	0.58	0.29
FVC	RPS7	cg20302414	638	2.74E-20	0.45	3.22E-21	0.05	0.49
FVC	CAPN1	cg25363789	929	0.00E+00	0.62	0.00E+00	0.06	0.31
FVC	PPT2;PRRT1	cg00110832	252	6.21E-19	1.40E-13	4.42E-06	1.00	1.61E-05
FVC	PRKCA;MIR634	cg20152382	418	1.64E-09	0.26	3.71E-10	0.06	0.69
FVC	BAX	cg27565645	702	9.48E-61	0.23	1.74E-61	0.04	0.73
FVC	NKX3-1	cg06696292	734	1.54E-23	0.26	1.95E-24	0.03	0.71
FVC	TBXAS1;HIPK2	cg26407309	609	6.03E-15	0.32	3.81E-15	0.20	0.49
FVC	TGFB2	cg07810039	338	5.28E-12	1.91E-09	2.73E-03	0.99	8.80E-03
FVC	CTSA;NEURL2	cg08260891	962	3.82E-13	0.43	1.72E-13	0.19	0.38
FVC	BAX	cg26673286	248	8.79E-07	0.30	1.06E-07	0.04	0.66
FVC	KIF1B	cg11712187	796	4.86E-29	0.26	6.91E-29	0.37	0.38
FVC	AP3D1	cg21414902	437	2.12E-08	0.42	4.49E-09	0.09	0.49

FVC	IL6	cg01770232	712	7.27E-97	0.46	6.22E-98	0.04	0.50
FVC	IL6	cg05472934	1592	1.01E-263	0.70	3.06E-265	0.02	0.28
FVC	IL6	cg02335517	429	1.81E-07	0.21	1.38E-08	0.02	0.77
FVC	BCL2	cg16445842	228	5.62E-07	0.42	2.61E-08	0.02	0.56
FVC	FGFR1	cg24828864	283	4.56E-10	0.42	1.52E-11	0.01	0.56
FVC	SLC39A4	cg03453890	179	8.74E-50	2.41E-04	3.63E-46	1.00	1.87E-04
FVC	CTSA;NEURL2	cg19067730	917	6.16E-10	0.42	2.72E-10	0.18	0.40
FVC	CSF2	cg26369418	510	1.13E-12	2.61E-09	2.05E-04	0.47	0.53
FVC	FOXK2	cg26986438	747	3.10E-07	0.48	5.00E-09	7.27E-03	0.51
FVC	ITGAM	cg15337006	416	1.62E-14	6.72E-10	2.41E-05	1.00	1.24E-04
FVC	EYA4	cg21390624	545	8.30E-07	0.38	4.25E-08	0.02	0.60
FVC	CAPZB	cg13100118	448	7.02E-07	0.50	1.66E-08	0.01	0.48
FVC	NCK2	cg21101995	478	2.84E-05	0.33	3.26E-06	0.04	0.63
FVC	STK24	cg24247370	604	5.89E-51	0.70	2.33E-52	0.03	0.27
FVC	CYP1B1	cg11656478	1381	6.67E-25	0.65	4.95E-26	0.05	0.30
FVC	SLC39A4	cg08969922	86	1.12E-14	1.08E-10	1.04E-04	1.00	3.11E-05
FVC	CUL2	cg08905399	957	1.63E-42	0.57	4.29E-43	0.15	0.28
FVC	GSTP1	cg11566244	957	7.39E-276	3.99E-03	1.84E-273	0.99	1.16E-03
FVC	PDCD6	cg20990478	923	5.55E-15	0.58	5.08E-16	0.05	0.37
FVC	USP36	cg00945209	591	4.27E-34	0.48	1.96E-34	0.22	0.30
FVC	CREB3L4;SLC39A1	cg07556888	355	5.08E-11	0.07	5.68E-10	0.82	0.11
FVC	IL6	cg26061582	1277	1.42E-155	0.72	1.32E-156	0.07	0.22
FVC	GSTP1	cg05244766	500	1.09E-54	3.97E-03	2.72E-52	0.99	1.23E-03
FVC	SLC39A4	cg18246227	71	1.65E-22	0.47	5.00E-23	0.14	0.39
FVC	CHMP4B	cg26347170	847	3.81E-97	4.56E-05	8.35E-93	1.00	1.27E-05
FVC	PYCARD	cg00327577	391	1.67E-13	8.88E-10	1.88E-04	1.00	4.71E-05
FVC	IL6	cg07998387	560	1.21E-18	0.32	1.01E-19	0.03	0.65
FVC	FGFR1	cg12614213	117	2.79E-05	0.38	7.69E-07	9.73E-03	0.61
FVC	HIPK2	cg03224163	216	8.73E-06	0.31	5.12E-06	0.18	0.51
FVC	ITGAM	cg09326409	395	5.19E-16	6.71E-10	7.73E-07	1.00	4.32E-07
FVC	SNCA	cg08767460	1941	0.00E+00	0.78	0.00E+00	0.03	0.19
FVC	AP1M2	cg26292442	476	1.22E-04	0.14	9.63E-05	0.11	0.76
FVC	ERBB3	cg10869879	449	8.98E-30	0.70	1.15E-30	0.09	0.21
FVC	STAT1	cg18766080	553	0.05	0.50	0.03	0.26	0.16
FVC	CAPZB	cg03542686	702	1.60E-09	0.46	3.68E-10	0.10	0.44
FVC	NCK2	cg13660477	589	2.04E-04	0.48	1.20E-05	0.03	0.49
FVC	MIA	cg24083702	639	7.82E-72	9.64E-06	8.11E-67	1.00	5.90E-06
FVC	GSTP1	cg06928838	584	3.09E-35	3.98E-03	7.73E-33	0.99	1.13E-03
FVC	MMP9	cg23303369	1708	7.92E-231	0.60	3.53E-231	0.27	0.14
FVC	USP36	cg24759654	460	3.53E-14	0.21	1.61E-14	0.09	0.70
FVC	WWOX	cg01623475	484	9.37E-41	1.34E-03	7.00E-38	1.00	5.38E-04
FVC	MMP9	cg20674635	1632	1.19E-140	0.61	5.15E-141	0.27	0.12

FVC	HRAS	cg16229772	679	2.25E-05	0.52	4.88E-06	0.11	0.37
FVC	MMP9	cg23353432	482	1.66E-19	0.70	3.45E-20	0.15	0.15
FVC	CLEC16A	cg10390979	897	6.05E-20	0.71	5.79E-22	6.48E-03	0.29
FVC	FAIM	cg06309968	461	4.99E-09	0.03	1.72E-07	0.96	0.01
FVC	HIPK2	cg11032313	516	4.29E-32	0.40	4.52E-32	0.42	0.19
FVC	DCC	cg25602457	836	1.04E-37	0.78	2.79E-39	0.02	0.20
FVC	MMP9	cg26132320	1454	5.34E-64	0.61	2.31E-64	0.26	0.12
FVC	GSTP1	cg25135322	801	1.37E-204	3.97E-03	3.43E-202	1.00	7.67E-04
FVC	LYN	cg24856456	670	7.05E-08	3.54E-04	1.99E-04	1.00	4.75E-04
FVC	ATP6V0A1	cg20082357	345	1.91E-03	0.50	7.40E-05	0.02	0.47
FVC	FEZ2	cg04352803	500	9.33E-11	0.09	7.18E-10	0.71	0.20
FVC	MMP9	cg04145601	1300	1.14E-73	0.61	4.86E-74	0.26	0.12
FVC	GSTP1	cg25866895	1077	0.00E+00	3.98E-03	0.00E+00	1.00	6.90E-04
FVC	IL6	cg13104385	1767	0.00E+00	0.79	0.00E+00	0.08	0.14
FVC	IL6	cg05265849	1739	0.00E+00	0.78	0.00E+00	0.07	0.14
FVC	CARS	cg01104590	807	8.29E-121	0.64	2.10E-121	0.16	0.19
FVC	GSTP1	cg23725454	803	2.20E-318	3.98E-03	5.50E-316	1.00	6.90E-04
FVC	CARS	cg17004353	756	6.92E-113	0.66	1.47E-113	0.14	0.20
FVC	HYAL1	cg04380576	349	1.34E-04	6.11E-03	0.02	0.95	0.02
FVC	CARS	cg25072766	706	1.91E-95	0.64	4.85E-96	0.16	0.20
FVC	NCK2	cg01577187	615	5.92E-04	0.20	5.99E-05	0.02	0.78
FVC	USP36	cg01449677	513	6.40E-10	0.43	3.02E-10	0.20	0.37
FVC	SLC39A4	cg05574324	244	8.30E-21	6.13E-14	1.35E-07	1.00	2.91E-08
FVC	SMPD1	cg18477969	280	1.23E-141	0.84	2.94E-144	1.84E-03	0.16
FVC	PIAS4	cg24479928	307	5.08E-12	0.38	1.20E-12	0.09	0.53
FVC	MMP9	cg04656101	1232	9.74E-36	0.64	3.26E-36	0.21	0.14
FVC	DAXX	cg18934106	195	2.88E-07	1.07E-04	2.66E-03	0.99	4.29E-03
FVC	ERBB3	cg23731805	405	2.61E-35	0.78	1.48E-36	0.04	0.18
FVC	LYN	cg02410887	1173	5.85E-29	3.46E-04	1.69E-25	1.00	7.82E-05
FVC	USP13	cg05726764	1017	0.00E+00	0.84	0.00E+00	0.02	0.14
FVC	WDR20;HSP90AA1	cg18412984	647	1.11E-24	0.23	3.33E-24	0.70	0.07
FVC	NCK2	cg01295249	1565	5.52E-140	0.74	1.12E-140	0.15	0.11
FVC	CARS	cg14935025	578	4.39E-45	0.75	1.48E-46	0.03	0.22
FVC	LEP	cg25435800	246	1.06E-05	0.67	1.21E-07	7.28E-03	0.32
FVC	TPCN2	cg22484980	512	1.13E-07	0.05	3.38E-07	0.15	0.80
FVC	FGFR3	cg00077738	1066	1.78E-45	0.44	1.29E-45	0.32	0.23
FVC	SLC39A4	cg04600798	80	3.30E-06	0.51	2.66E-08	3.61E-03	0.49
FVC	SFRP1	cg07935886	183	1.33E-06	0.77	7.23E-09	4.01E-03	0.22
FVC	PARP1	cg23712594	821	1.77E-68	0.79	6.88E-70	0.03	0.18
FVC	PARP1	cg24937136	1187	0.00E+00	0.80	0.00E+00	0.03	0.16
FVC	BCL2	cg26277730	275	1.78E-05	0.69	6.87E-07	0.03	0.28
FVC	HIPK2	cg03369382	393	6.45E-04	0.32	2.27E-04	0.11	0.57

FVC	MPO	cg04266202	674	1.03E-10	0.75	1.48E-12	0.01	0.24
FVC	HIP1	cg23657377	144	6.48E-13	0.68	6.52E-15	6.55E-03	0.31
FVC	GALNS;TRAPPC2L	cg16688112	959	1.37E-08	0.11	1.02E-07	0.80	0.09
FVC	LYN	cg03973663	961	5.69E-21	3.46E-04	1.64E-17	1.00	7.43E-05
FVC	AP4E1	cg09951650	1548	3.11E-40	2.93E-03	1.06E-37	1.00	4.80E-04
FVC	HIP1	cg07928105	157	2.43E-09	0.68	2.48E-11	6.58E-03	0.32
FVC	NEU1	cg27645345	203	1.38E-15	1.32E-13	0.01	0.96	0.03
FVC	DCC	cg25818763	690	1.09E-08	0.79	1.98E-10	0.01	0.19
FVC	PARP1	cg18590995	686	2.68E-28	0.78	1.05E-29	0.03	0.19
FVC	LGALS9	cg06852032	574	3.68E-09	0.81	1.14E-10	0.02	0.16
FVC	LYN	cg05997362	793	1.15E-14	1.07E-03	1.07E-11	1.00	4.07E-04
FVC	ACSL1	cg01714284	1028	1.47E-75	0.83	8.44E-77	0.05	0.12
FVC	MMP9	cg17664577	1357	4.47E-47	0.62	1.96E-47	0.27	0.11
FVC	NCK2	cg13704531	1164	2.12E-46	0.75	4.16E-47	0.15	0.10
FVC	USP36	cg23797032	325	4.36E-06	0.20	1.99E-06	0.09	0.70
FVC	CS	cg26714650	621	5.46E-213	0.71	1.16E-213	0.15	0.15
FVC	LYN	cg17806401	1017	5.33E-16	3.46E-04	1.54E-12	1.00	8.09E-05
FVC	CS	cg26734620	359	2.16E-27	0.74	2.94E-28	0.10	0.16
FVC	MMP9	cg00182727	1121	3.35E-37	0.65	1.28E-37	0.25	0.10
FVC	MAP3K5	cg01792203	218	8.98E-06	0.52	1.19E-06	0.07	0.42
FVC	PPM1F	cg25898577	772	5.34E-34	0.81	5.44E-35	0.08	0.10
FVC	FZD5	cg19744498	656	4.07E-88	0.71	8.36E-89	0.15	0.14
FVC	STBD1	cg17010112	1214	1.91E-71	0.13	1.21E-70	0.85	0.02
FVC	FZD5	cg19957162	697	6.56E-73	0.70	1.35E-73	0.15	0.15
FVC	STBD1	cg06978288	1602	2.06E-65	0.13	1.31E-64	0.85	0.01
FVC	CYP1B1	cg07380506	1532	0.00E+00	0.86	0.00E+00	0.05	0.09
FVC	PML	cg18136895	450	9.13E-09	0.05	1.06E-07	0.58	0.37
FVC	SFRP1	cg00000321	119	1.15E-03	0.82	6.32E-06	4.30E-03	0.18
FVC	AP4E1	cg02338191	1422	1.77E-21	5.86E-04	3.03E-18	1.00	9.71E-05
FVC	FZD5	cg15714846	446	3.56E-18	0.71	7.05E-19	0.14	0.15
FVC	GATA4	cg01546563	1768	6.45E-56	0.83	2.30E-57	0.03	0.14
FVC	YWHAB	cg10774185	205	3.58E-05	0.76	6.12E-07	0.01	0.23
FVC	BMP4	cg09367901	566	1.71E-04	0.65	6.30E-05	0.24	0.11
FVC	SCOC	cg02182440	477	9.49E-04	0.67	4.02E-05	0.03	0.30
FVC	LGALS12	cg04075247	649	2.97E-88	0.86	1.96E-89	0.06	0.08
FVC	LGALS12	cg19529273	894	6.24E-77	0.87	3.52E-78	0.05	0.08
FVC	INF2	cg02918593	337	1.65E-77	0.80	2.53E-78	0.12	0.08
FVC	PCGF2	cg02433498	325	6.52E-17	0.37	1.04E-16	0.59	0.03
FVC	UBE4B	cg08737543	1011	4.86E-58	0.50	3.74E-58	0.39	0.11
FVC	CS	cg24498746	299	7.91E-19	0.74	1.04E-19	0.10	0.16
FVC	FZD5	cg15262317	545	2.06E-13	0.81	3.07E-15	0.01	0.18
FVC	BCL2	cg23707289	348	1.78E-58	0.88	7.92E-60	0.04	0.08

FVC	AP3B2	cg27279991	541	4.54E-18	5.15E-07	8.81E-12	1.00	5.92E-07
FVC	STK24	cg01536299	456	4.61E-04	0.74	1.74E-05	0.03	0.24
FVC	GNAI2	cg17641710	581	5.64E-14	9.10E-04	6.17E-11	1.00	3.91E-03
FVC	PARP1	cg17127702	1099	0.00E+00	0.87	0.00E+00	0.04	0.10
FVC	DDX5	cg08350119	77	1.32E-20	0.37	1.87E-20	0.52	0.11
FVC	HRAS	cg06143971	1309	3.65E-113	0.72	8.12E-114	0.16	0.12
FEV1	TRIM27	cg23756442	136	4.70E-60	2.42E-30	1.55E-31	0.08	0.92
FEV1	MCL1	cg13175981	1247	5.90E-243	7.03E-15	7.99E-229	0.95	0.05
FEV1	STX4	cg07404961	596	2.36E-56	7.01E-15	2.37E-42	0.70	0.30
FEV1	PPT2	cg04536704	304	1.42E-85	2.24E-28	6.37E-58	1.00	1.97E-16
FEV1	PRRT1;PPT2	cg00403498	281	3.52E-66	2.29E-28	1.53E-38	1.00	2.02E-16
FEV1	IREB2	cg13714459	677	8.87E-41	7.65E-14	1.05E-27	0.91	0.09
FEV1	STX4	cg06233904	640	2.07E-35	8.41E-15	2.08E-21	0.84	0.16
FEV1	MCL1	cg18016565	1017	4.58E-47	7.38E-15	6.20E-33	1.00	2.49E-04
FEV1	PPT2;PRRT1	cg25426302	248	9.14E-44	9.24E-23	9.90E-22	1.00	8.20E-11
FEV1	IREB2	cg19941054	512	3.35E-36	7.90E-14	3.98E-23	0.94	0.06
FEV1	CTSK	cg20802392	1136	2.71E-42	7.38E-15	3.67E-28	1.00	2.82E-05
FEV1	PPT2;PRRT1	cg06814287	244	4.51E-40	1.50E-25	3.02E-15	1.00	2.77E-08
FEV1	PPT2	cg04877280	244	2.67E-43	7.92E-27	3.37E-17	1.00	7.08E-15
FEV1	PPT2;PRRT1	cg23359665	213	2.44E-33	9.30E-23	2.63E-11	1.00	2.16E-10
FEV1	STX4	cg08893833	578	2.19E-24	7.77E-15	2.20E-10	0.78	0.22
FEV1	PCGF2	cg02433498	325	7.40E-26	4.24E-10	1.50E-16	0.86	0.14
FEV1	PPT2;PRRT1	cg06108383	218	1.87E-32	9.30E-23	2.01E-10	1.00	2.43E-10
FEV1	PPT2;PRRT1	cg02956248	216	3.39E-32	9.30E-23	3.65E-10	1.00	1.23E-09
FEV1	MCL1	cg02961109	649	1.03E-26	7.25E-15	1.39E-12	0.98	0.02
FEV1	EYA2	cg26046136	485	4.38E-25	5.65E-12	7.73E-14	1.00	1.86E-03
FEV1	PPT2;PRRT1	cg17113856	220	3.26E-33	9.30E-23	3.50E-11	1.00	5.92E-11
FEV1	TRIM27	cg27120125	95	2.69E-35	3.06E-31	8.90E-07	9.11E-03	0.99
FEV1	ATP2A1	cg04414917	600	3.98E-61	7.34E-05	5.47E-58	0.10	0.90
FEV1	GPX1	cg07274523	864	7.12E-65	3.13E-07	2.26E-58	1.00	4.39E-03
FEV1	PPT2	cg27070869	87	6.05E-34	2.29E-28	2.64E-06	1.00	4.98E-07
FEV1	ERBB3	cg10869879	449	3.80E-34	2.96E-05	1.66E-30	0.13	0.87
FEV1	ERBB3	cg23731805	405	1.59E-39	4.74E-05	6.94E-36	0.21	0.79
FEV1	PCGF2	cg18896448	282	1.67E-18	4.65E-10	3.39E-09	0.95	0.05
FEV1	CTSS	cg15900387	620	4.15E-22	5.23E-15	5.62E-08	0.71	0.29
FEV1	SLC30A2	cg01689405	663	1.53E-22	6.27E-07	2.30E-16	0.94	0.06
FEV1	BCL2L1	cg13852791	1588	0.00E+00	1.02E-03	0.00E+00	0.13	0.87
FEV1	KDR	cg01340163	535	6.77E-22	2.58E-05	2.19E-19	7.37E-03	0.99
FEV1	ATP2A1	cg05966235	722	2.58E-265	4.88E-04	3.54E-262	0.67	0.33
FEV1	NUPR1	cg01803679	537	1.54E-40	3.28E-04	2.12E-37	0.45	0.55
FEV1	CAPZB	cg17081867	874	5.01E-24	3.41E-05	4.03E-21	0.03	0.97
FEV1	ORMDL3	cg18711369	1354	1.46E-300	5.18E-07	2.81E-294	1.00	1.66E-04

FEV1	ORMDL3	cg10909506	1303	2.14E-276	5.24E-07	4.09E-270	1.00	1.67E-04
FEV1	NEU1	cg13634177	162	3.20E-28	6.98E-27	7.19E-04	0.01	0.98
FEV1	WNT4	cg25011003	750	8.48E-36	2.33E-04	1.98E-32	0.54	0.46
FEV1	PPT2;PRRT1	cg12883279	183	5.15E-30	7.86E-27	6.54E-04	1.00	2.60E-04
FEV1	HSP90AA1	cg02017208	1252	8.47E-100	2.16E-03	6.98E-99	0.02	0.98
FEV1	PPT2;PRRT1	cg13934406	158	1.34E-16	1.17E-12	1.08E-04	0.94	0.06
FEV1	NEU1	cg27645345	203	4.13E-28	3.93E-26	9.30E-04	0.09	0.91
FEV1	CLEC16A	cg10390979	897	2.78E-23	3.25E-04	1.09E-21	0.01	0.99
FEV1	ORMDL3	cg22144450	1053	4.11E-91	5.18E-07	7.93E-85	1.00	8.94E-05
FEV1	PPT2;PRRT1	cg06025456	200	1.21E-30	7.93E-27	1.53E-04	1.00	3.30E-05
FEV1	NUPR1	cg01542023	428	3.59E-60	5.55E-04	4.94E-57	0.76	0.24
FEV1	NUPR1	cg05590982	544	5.68E-15	4.30E-05	7.80E-12	0.06	0.94
FEV1	GSDMB	cg10057218	1206	3.40E-89	4.91E-07	6.93E-83	1.00	1.37E-04
FEV1	WNT4	cg15582954	718	2.63E-24	8.65E-05	2.53E-20	0.83	0.17
FEV1	PPT2;PRRT1	cg10551329	191	3.15E-29	7.88E-27	3.97E-03	0.99	1.93E-03
FEV1	CAPZB	cg23519022	642	8.55E-17	1.04E-04	6.89E-14	0.08	0.92
FEV1	FGF10	cg16536718	563	1.20E-15	1.40E-07	8.37E-09	0.98	0.02
FEV1	WWOX	cg10001715	1448	3.43E-68	3.93E-12	8.72E-57	1.00	5.78E-10
FEV1	CD164	cg08222271	1041	1.72E-22	1.60E-03	9.41E-21	0.09	0.91
FEV1	TPCN2	cg18503234	686	5.81E-16	2.48E-04	2.00E-13	0.08	0.92
FEV1	GSDMB	cg27435903	890	5.05E-55	4.62E-07	1.09E-48	1.00	4.27E-05
FEV1	ERBB3	cg00907267	322	4.49E-14	1.62E-05	1.95E-10	0.07	0.93
FEV1	JMY	cg24856658	602	1.30E-24	6.96E-03	2.42E-23	0.13	0.86
FEV1	CD14	cg09824255	452	1.82E-15	2.13E-03	1.54E-13	0.18	0.82
FEV1	TMBIM6	cg20471783	1022	1.52E-133	0.02	1.77E-132	0.21	0.77
FEV1	OTUB1	cg12836303	815	6.68E-166	0.04	1.18E-165	0.06	0.90
FEV1	SFN	cg13235717	400	1.31E-20	6.55E-03	8.75E-20	0.04	0.95
FEV1	MUC1	cg22500132	392	6.14E-14	8.80E-04	5.29E-13	6.59E-03	0.99
FEV1	HSP90AA1	cg11789371	778	9.33E-16	2.79E-03	7.69E-15	0.02	0.98
FEV1	CAPZB	cg13319175	581	3.00E-09	2.64E-05	2.43E-06	0.02	0.98
FEV1	ERBB3	cg17843101	208	7.94E-16	2.13E-04	3.45E-12	0.93	0.07
FEV1	CSF2	cg16465129	867	2.22E-16	2.97E-03	3.04E-14	0.41	0.59
FEV1	CSF2	cg16565692	1125	3.78E-21	2.87E-03	5.52E-19	0.42	0.58
FEV1	HIP1R	cg19340625	442	1.49E-48	0.01	4.16E-47	0.29	0.70
FEV1	CUL3	cg06867755	1452	1.62E-124	0.03	2.45E-123	0.46	0.51
FEV1	SFRP1	cg14904908	563	2.51E-17	4.94E-03	4.64E-16	0.09	0.90
FEV1	MUL1	cg26370078	1319	0.00E+00	0.05	0.00E+00	0.06	0.88
FEV1	ATP2A1	cg27473355	453	3.50E-12	6.24E-04	4.10E-09	0.73	0.27
FEV1	FAIM	cg17462391	625	9.64E-28	0.03	1.21E-27	0.04	0.92
FEV1	CAPZB	cg13100118	448	2.08E-09	1.49E-03	5.94E-08	0.04	0.96
FEV1	MUC1	cg22531371	420	6.43E-09	6.36E-04	5.54E-08	4.49E-03	0.99
FEV1	NFATC4	cg06993714	618	2.30E-72	0.04	1.10E-71	0.19	0.77

FEV1	TGFB2	cg20991819	464	8.62E-09	6.61E-05	3.85E-06	0.03	0.97
FEV1	TRAP1	cg04439028	416	1.39E-15	2.62E-10	5.31E-06	1.00	3.71E-04
FEV1	GATA4	cg01546563	1768	1.24E-59	1.60E-04	7.73E-56	1.00	2.20E-03
FEV1	KDR	cg25444386	365	6.84E-08	2.66E-05	2.23E-05	7.68E-03	0.99
FEV1	GSDMC	cg23990303	580	3.67E-27	0.07	1.80E-27	0.03	0.89
FEV1	GSDMA	cg08995595	823	6.51E-19	9.07E-07	7.17E-13	1.00	3.34E-05
FEV1	MEFV	cg03919650	340	5.31E-25	0.08	1.32E-24	0.19	0.74
FEV1	SFRP1	cg07935886	183	6.54E-09	3.82E-03	1.21E-07	0.07	0.93
FEV1	FEZ1	cg12906303	1224	4.90E-107	0.13	9.52E-108	0.02	0.85
FEV1	AP1M2	cg26292442	476	3.08E-08	3.44E-05	4.00E-04	0.45	0.55
FEV1	NFATC4	cg14058476	584	6.37E-19	0.02	3.05E-18	0.11	0.87
FEV1	TBXAS1;HIPK2	cg00445997	389	8.95E-17	3.94E-03	2.10E-14	0.93	0.07
FEV1	MEFV	cg05554494	325	1.02E-41	1.10E-05	9.33E-37	1.00	7.25E-05
FEV1	CDKN2D	cg04833646	1179	1.27E-268	7.71E-05	1.65E-264	1.00	4.54E-04
FEV1	TBXAS1;HIPK2	cg26407309	609	7.54E-17	3.94E-03	1.77E-14	0.93	0.07
FEV1	RAF1	cg13703021	948	9.04E-22	0.05	1.02E-20	0.54	0.41
FEV1	HIP1R	cg08756735	331	2.28E-09	0.01	3.00E-08	0.16	0.83
FEV1	FEZ1	cg18436735	1205	3.51E-62	0.14	7.43E-63	0.03	0.83
FEV1	CD14	cg08830139	494	9.31E-08	2.37E-03	7.98E-06	0.20	0.80
FEV1	DDIT4	cg01839993	771	1.40E-13	0.03	2.52E-12	0.54	0.43
FEV1	FEZ1	cg01460481	1261	4.54E-112	0.18	8.82E-113	0.03	0.79
FEV1	SFRP1	cg01074584	364	3.20E-07	3.41E-03	5.90E-06	0.06	0.93
FEV1	SMPD1	cg18477969	280	3.79E-142	0.26	2.48E-144	9.48E-04	0.74
FEV1	SFRP1	cg03133371	320	2.75E-07	4.47E-03	5.05E-06	0.08	0.91
FEV1	SNORD71;AP1G1	cg03540912	1803	4.92E-106	0.24	3.21E-106	0.16	0.60
FEV1	FTH1	cg01209023	624	2.67E-30	3.22E-04	8.26E-27	1.00	1.32E-03
FEV1	SFRP2	cg20727217	777	1.62E-12	0.14	1.15E-12	0.10	0.77
FEV1	AP1M2	cg11657665	1032	5.72E-78	8.01E-05	7.14E-74	1.00	1.98E-04
FEV1	AP1M2	cg14985481	445	1.06E-22	7.72E-05	1.37E-18	1.00	4.24E-04
FEV1	FTH1	cg02315732	491	5.53E-28	3.22E-04	1.72E-24	1.00	1.31E-03
FEV1	SFRP2	cg24241928	784	2.77E-25	0.18	1.98E-25	0.13	0.69
FEV1	ATP2A3	cg01703329	507	4.94E-65	0.26	6.46E-66	0.03	0.70
FEV1	JMY	cg09228878	517	3.03E-07	8.49E-03	5.63E-06	0.16	0.83
FEV1	AP1M2	cg26999505	500	1.15E-36	7.72E-05	1.49E-32	1.00	3.48E-04
FEV1	SFRP1	cg00000321	119	3.99E-06	2.83E-03	7.32E-05	0.05	0.95
FEV1	ATP2A1	cg08213689	355	1.41E-08	1.84E-04	1.93E-05	0.25	0.75
FEV1	DCC	cg25602457	836	4.33E-38	0.33	3.96E-39	0.03	0.64
FEV1	ICAM4;ICAM1	cg00500176	586	7.83E-86	0.36	1.61E-86	0.07	0.57
FEV1	AP3D1	cg09261902	593	1.17E-133	0.41	3.59E-134	0.13	0.47
FEV1	SFRP1	cg10406295	434	8.00E-05	6.08E-03	1.47E-03	0.11	0.88
FEV1	LTBR	cg24621362	312	2.07E-33	0.41	1.08E-34	0.02	0.57
FEV1	AP3D1	cg19290738	992	0.00E+00	0.45	0.00E+00	0.14	0.42

FEV1	USP47	cg24383467	935	6.49E-153	0.45	8.89E-154	0.06	0.49
FEV1	LTBR	cg19476647	202	1.35E-24	0.33	6.96E-26	0.02	0.65
FEV1	HIPK2	cg03224163	216	1.22E-07	4.29E-03	2.62E-05	0.92	0.08
FEV1	FOXO1	cg10696351	1016	4.93E-175	0.51	7.52E-176	0.08	0.41
FEV1	WNT4	cg00356045	437	2.06E-11	3.84E-05	5.36E-07	1.00	1.12E-03
FEV1	NEU1;SLC44A4	cg21116447	142	5.09E-32	4.47E-25	1.14E-07	1.00	1.52E-08
FEV1	MIA	cg24083702	639	2.35E-67	0.29	5.43E-68	0.07	0.64
FEV1	TPCN2	cg22484980	512	1.11E-09	5.02E-04	3.79E-07	0.17	0.83
FEV1	CRADD	cg23535137	470	1.07E-11	0.30	2.41E-12	0.07	0.64
FEV1	SFRP2	cg23207990	825	5.13E-35	0.30	3.62E-35	0.21	0.49
FEV1	SFRP2	cg21630608	761	3.40E-12	0.17	1.95E-12	0.09	0.74
FEV1	FOXO1	cg21288729	1202	2.25E-230	0.54	3.49E-231	0.08	0.37
FEV1	GLS	cg21497043	1025	4.53E-24	0.27	2.32E-24	0.14	0.59
FEV1	DCC	cg25818763	690	3.58E-09	0.26	3.21E-10	0.02	0.72
FEV1	GATA4	cg18283386	577	5.87E-11	0.06	3.74E-10	0.39	0.55
FEV1	SFRP2	cg23121156	736	6.19E-26	0.21	4.32E-26	0.14	0.65
FEV1	SLC39A4	cg03453890	179	1.39E-48	3.84E-03	3.60E-46	0.99	4.89E-03
FEV1	AP4E1	cg09951650	1548	2.50E-40	2.36E-03	1.06E-37	1.00	1.85E-03
FEV1	RPS27L	cg23837188	892	6.43E-44	0.17	2.26E-43	0.61	0.22
FEV1	AP3D1	cg17656426	708	1.60E-124	0.59	4.87E-125	0.18	0.23
FEV1	GFAP	cg07918341	534	8.95E-07	0.11	3.99E-06	0.47	0.42
FEV1	CS	cg26714650	621	1.77E-216	2.29E-04	7.74E-213	1.00	2.15E-04
FEV1	SFRP2	cg05241277	666	1.56E-13	0.26	1.06E-13	0.17	0.57
FEV1	ICAM1	cg24354612	208	7.49E-10	0.42	6.56E-12	3.09E-03	0.58
FEV1	SFRP2	cg07999845	611	3.49E-06	0.18	1.95E-06	0.10	0.72
FEV1	FOXO1	cg09792463	871	4.45E-43	0.56	3.67E-44	0.05	0.40
FEV1	SLC39A4	cg18246227	71	1.48E-22	0.42	2.65E-24	6.98E-03	0.57
FEV1	SFRP2	cg04959480	731	3.12E-10	0.28	1.78E-10	0.16	0.56
FEV1	CTTN	cg05226335	743	0.00E+00	0.70	0.00E+00	0.03	0.27
FEV1	DCC	cg00399483	991	1.18E-75	0.65	1.09E-76	0.06	0.30
FEV1	CTTN	cg13802316	764	0.00E+00	0.70	0.00E+00	0.03	0.27
FEV1	CTTN	cg27326318	359	1.06E-13	0.57	3.65E-15	0.02	0.41
FEV1	CS	cg26734620	359	6.70E-31	2.28E-04	2.94E-27	1.00	2.05E-04
FEV1	HIPK2	cg03369382	393	7.04E-06	3.45E-03	2.65E-04	0.13	0.87
FEV1	ITGAM	cg09326409	395	7.70E-21	9.96E-15	7.73E-07	1.00	1.56E-07
FEV1	SYNPO2	cg14717666	1430	1.96E-176	0.49	3.61E-177	0.09	0.43
FEV1	GFAP	cg18208742	700	1.61E-06	0.04	3.37E-05	0.88	0.08
FEV1	AP4E1	cg02338191	1422	7.12E-21	2.35E-03	3.01E-18	1.00	1.87E-03
FEV1	GSDMB	cg12360886	468	7.03E-09	4.52E-06	1.54E-03	0.99	5.11E-03
FEV1	HYAL1	cg04380576	349	9.87E-04	0.05	0.01	0.55	0.40
FEV1	TNF	cg12681001	279	3.40E-14	2.36E-12	0.01	0.97	0.02
FEV1	SQSTM1;MGAT4B	cg06589507	308	3.08E-04	0.14	4.22E-05	0.02	0.85

FEV1	LEP	cg25435800	246	5.34E-06	0.34	1.70E-07	0.01	0.65
FEV1	FOXO1	cg14168545	512	3.48E-14	0.55	2.84E-15	0.04	0.40
FEV1	CTSF	cg23230554	836	8.52E-28	3.10E-04	2.75E-24	1.00	1.69E-04
FEV1	WAC	cg24792245	800	5.58E-39	0.25	1.12E-38	0.51	0.24
FEV1	USP13	cg05726764	1017	0.00E+00	0.71	0.00E+00	0.05	0.24
FEV1	DCC	cg20917891	673	1.82E-29	0.60	1.62E-30	0.05	0.35
FEV1	LTBR	cg23079808	304	3.66E-64	0.60	1.97E-65	0.03	0.37
FEV1	UNC5B	cg19673155	270	1.96E-12	0.61	3.77E-14	0.01	0.38
FEV1	TP53INP1	cg26343298	1452	1.36E-117	0.12	9.42E-117	0.84	0.04
FEV1	KIF1B	cg11342332	1043	7.12E-07	0.31	5.62E-07	0.24	0.45
FEV1	CARS	cg20324356	678	4.25E-55	0.71	4.50E-56	0.07	0.22
FEV1	SYNPO2	cg12973294	1342	1.52E-91	0.51	2.76E-92	0.09	0.40
FEV1	CLEC16A	cg06150195	613	5.39E-23	0.57	3.61E-24	0.04	0.39
FEV1	KDM4A	cg19743044	1393	5.37E-150	0.71	5.35E-151	0.07	0.22
FEV1	BLK	cg24861686	2871	9.59E-43	1.53E-04	6.27E-39	1.00	5.88E-05
FEV1	KIF1B	cg26247646	643	2.62E-40	0.61	2.19E-41	0.05	0.34
FEV1	PARK7	cg00042356	1426	3.51E-87	0.67	2.58E-88	0.05	0.28
FEV1	DCC	cg18841634	625	2.17E-19	0.62	1.96E-20	0.06	0.32
FEV1	CTTN	cg09869226	398	1.53E-43	0.73	4.99E-45	0.02	0.25
FEV1	SFRP2	cg22178613	910	3.02E-76	0.50	2.12E-76	0.35	0.15
FEV1	KIF1B	cg11399195	943	8.68E-35	0.58	1.22E-35	0.08	0.34
FEV1	KIF1B	cg03517919	999	3.33E-34	0.58	5.14E-35	0.09	0.34
FEV1	CBL	cg22414151	355	5.41E-33	0.53	2.47E-34	0.02	0.44
FEV1	RHEB	cg02506984	318	3.36E-11	0.64	1.43E-12	0.03	0.34
FEV1	THBS1	cg25503381	813	2.06E-11	0.65	6.34E-12	0.20	0.15
FEV1	DDIT4	cg20897136	636	2.42E-06	0.02	4.34E-05	0.44	0.53
FEV1	FER	cg16174681	1085	3.91E-24	0.61	1.19E-25	0.02	0.37
FEV1	SLC39A4	cg05574324	244	3.75E-18	2.77E-11	1.35E-07	1.00	2.91E-08
FEV1	CTTN	cg13414679	407	4.69E-18	0.76	1.64E-19	0.03	0.22
FEV1	RHEB	cg03323794	230	4.84E-08	0.63	2.04E-09	0.03	0.35
FEV1	CHGA	cg23013853	792	7.39E-147	1.53E-05	4.83E-142	1.00	3.75E-06
FEV1	ZBTB22;DAXX	cg10585379	229	2.30E-08	4.20E-03	5.42E-06	0.99	3.32E-03
FEV1	SFRP2	cg05774801	750	5.18E-08	0.44	3.61E-08	0.31	0.26
FEV1	GALNS;TRAPPC2L	cg16688112	959	4.30E-08	0.34	1.91E-08	0.15	0.51
FEV1	CS	cg24498746	299	2.43E-22	2.29E-04	1.06E-18	1.00	1.49E-04
FEV1	DDIT4	cg10592592	757	8.94E-06	0.02	1.61E-04	0.42	0.56
FEV1	SFRP2	cg03202804	915	6.58E-19	0.51	4.60E-19	0.36	0.13
FEV1	MTMR9	cg06240162	1617	7.11E-06	0.31	1.39E-05	0.60	0.09
FEV1	SFRP2	cg23910835	466	2.29E-04	0.17	1.26E-04	0.09	0.74
FEV1	SLC39A4	cg04600798	80	2.41E-06	0.37	3.12E-08	4.18E-03	0.63
FEV1	FEZ2	cg24860371	341	8.44E-10	0.38	4.12E-10	0.18	0.44
FEV1	FOXO1	cg11244402	870	9.15E-39	0.67	7.38E-40	0.05	0.27

FEV1	IL6	cg01770232	712	1.00E-96	0.63	3.74E-98	0.02	0.34
FEV1	CYP1B1	cg07380506	1532	0.00E+00	0.81	0.00E+00	0.03	0.17
FEV1	SLC39A4	cg08969922	86	9.63E-13	9.24E-09	1.04E-04	1.00	3.51E-05
FEV1	PARK7	cg10385390	1067	1.50E-24	0.69	1.03E-25	0.05	0.26
FEV1	BLK	cg04335815	2343	8.84E-22	1.53E-04	5.77E-18	1.00	4.25E-05
FEV1	AKT1	cg26023960	548	4.23E-96	2.56E-03	1.65E-93	1.00	8.12E-04
FEV1	IL10	cg17067005	159	1.51E-10	0.66	2.67E-12	0.01	0.33
FEV1	CTTN	cg16061668	280	3.14E-13	0.67	9.72E-15	0.02	0.31
FEV1	DCC	cg21623566	393	4.72E-05	0.32	3.64E-06	0.02	0.66
FEV1	KIF1B	cg19092837	1057	5.20E-13	0.54	7.90E-14	0.08	0.37
FEV1	WWOX	cg01365766	303	4.70E-07	3.26E-03	5.16E-05	0.36	0.64
FEV1	STAT1	cg18766080	553	0.06	0.62	0.01	0.13	0.18
FEV1	KIF1B	cg11802797	997	4.07E-13	0.39	6.00E-14	0.06	0.55
FEV1	CDKN2D	cg08312369	232	6.12E-05	0.19	1.85E-05	0.06	0.76
FEV1	SPTLC1	cg01248375	1626	5.66E-49	3.45E-04	1.64E-45	1.00	8.31E-05
FEV1	AP3D1	cg21414902	437	2.99E-08	0.59	9.08E-09	0.18	0.23
FEV1	FZD5	cg19744498	656	3.90E-88	0.68	3.93E-89	0.07	0.25
FEV1	FER	cg11403831	618	1.36E-11	0.61	3.91E-13	0.02	0.37
FEV1	CTTN	cg14191688	424	9.74E-30	0.70	3.36E-31	0.02	0.27
FEV1	FZD5	cg19957162	697	6.23E-73	0.67	6.30E-74	0.07	0.26
FEV1	ARSB	cg01026730	1219	3.34E-291	0.05	5.99E-290	0.94	9.70E-03
FEV1	IL6	cg02335517	429	3.98E-07	0.46	1.30E-08	0.01	0.52
FEV1	SLC38A9	cg07262873	1263	2.77E-07	0.52	1.32E-07	0.25	0.23
FEV1	INF2	cg23998240	474	2.83E-44	2.56E-03	1.10E-41	1.00	5.54E-04
FEV1	PDCD6	cg20990478	923	2.10E-16	0.02	9.35E-15	0.97	6.67E-03
FEV1	BOK	cg22999099	1478	0.00E+00	6.07E-07	2.32E-318	1.00	1.56E-07
FEV1	CHGA	cg16290737	691	2.53E-130	3.19E-09	7.93E-122	1.00	6.63E-10
FEV1	FZD5	cg15714846	446	3.35E-18	0.66	3.34E-19	0.07	0.27
FEV1	PYCARD	cg00327577	391	2.93E-18	1.56E-14	1.88E-04	1.00	3.93E-05
FEV1	USP10	cg07647771	789	0.00E+00	0.83	0.00E+00	0.02	0.15
FEV1	RAF1	cg12173506	438	1.64E-05	9.13E-03	1.77E-04	0.10	0.89
FEV1	GALNS	cg02669544	394	3.02E-10	0.37	7.34E-11	0.09	0.55
FEV1	CHGA	cg00813752	393	7.08E-77	1.53E-05	4.62E-72	1.00	3.16E-06
FEV1	THBS1	cg10576133	594	3.62E-06	0.68	1.45E-07	0.03	0.30
FEV1	FZD5	cg15262317	545	1.81E-13	0.71	7.84E-16	2.80E-03	0.29
FEV1	IL6	cg07998387	560	2.08E-18	0.56	7.61E-20	0.02	0.42
FEV1	SFRP1	cg14824386	174	3.14E-06	0.02	5.78E-05	0.41	0.57
FEV1	FAIM	cg06309968	461	1.04E-07	0.58	3.96E-08	0.22	0.20
FEV1	SLC39A11	cg15391883	413	1.44E-73	0.85	1.78E-75	0.01	0.14
FEV1	SOD2	cg13221458	1469	0.00E+00	0.83	0.00E+00	0.06	0.11
FEV1	SCOC	cg02182440	477	3.67E-04	0.26	7.26E-04	0.51	0.23
FEV1	UNC5B	cg11224737	447	8.65E-17	0.78	1.72E-18	0.02	0.21

FEV1	SFRP2	cg11354906	812	2.84E-15	0.52	1.99E-15	0.36	0.12
FEV1	FZD5	cg05774672	466	1.01E-13	0.67	1.00E-14	0.07	0.27
FEV1	HSP90AA1	cg23904247	479	2.22E-08	0.10	1.82E-07	0.80	0.11
FEV1	DEF8	cg04591799	1157	6.85E-24	0.70	1.42E-24	0.15	0.16
FEV1	CTTN	cg02011981	309	5.83E-04	0.64	1.86E-05	0.02	0.34
FEV1	SIVA1	cg10285897	217	4.89E-11	2.58E-03	1.89E-08	1.00	9.28E-04
FEV1	SNCA	cg08767460	1941	0.00E+00	0.88	0.00E+00	0.02	0.10
FEV1	CTTN	cg25587405	314	7.49E-04	0.69	2.45E-05	0.02	0.28
FEV1	POU4F2	cg25406138	717	1.27E-10	0.01	9.98E-09	0.98	4.49E-03
FEV1	GATA4	cg23972785	328	7.43E-26	2.99E-03	2.47E-23	1.00	3.67E-04
FEV1	CTTN	cg22720428	400	1.47E-03	0.63	4.65E-05	0.02	0.34
FEV1	TFRC	cg03462622	979	2.71E-101	0.72	7.36E-102	0.20	0.08
FEV1	CTTN	cg07005180	357	3.18E-06	0.68	9.79E-08	0.02	0.30
FEV1	CYP1B1	cg11751707	480	2.24E-07	0.62	9.00E-08	0.25	0.13
FEV1	HRAS	cg12989344	997	3.75E-44	0.89	5.91E-46	0.01	0.10
FEV1	GATA4	cg22320962	313	7.43E-03	0.19	0.02	0.59	0.19
FEV1	WNT4	cg12098183	507	1.86E-19	1.41E-03	1.32E-16	1.00	2.76E-04
FEV1	TP53INP1	cg23172400	1774	0.00E+00	0.12	0.00E+00	0.86	0.01
FEV1	DEPDC5	cg13263830	2258	0.00E+00	0.57	0.00E+00	0.38	0.05
FEV1	IL6	cg05472934	1592	1.28E-263	0.89	4.26E-265	0.03	0.08
FEV1	RRAGA	cg25822709	1250	5.35E-130	0.77	1.04E-130	0.15	0.07
FEV1	DEF8	cg03987653	1295	3.92E-56	0.73	8.39E-57	0.16	0.11
FEV1	INF2	cg03573445	579	2.98E-13	2.55E-03	1.16E-10	1.00	3.20E-04
FEV1	WDR20;HSP90AA1	cg18412984	647	5.22E-25	0.11	4.17E-24	0.87	0.02
FEV1	AP1M2	cg23652172	544	4.60E-08	7.70E-05	5.96E-04	1.00	1.13E-03
FEV1	RPS27L	cg26210447	1492	4.19E-80	0.17	2.02E-79	0.82	0.01
FEV1	SLC26A1;IDUA	cg24226891	827	8.99E-16	0.83	3.30E-17	0.03	0.14
FEV1	LTBR	cg25894255	222	1.37E-03	0.38	6.19E-05	0.02	0.60
FEV1	GATA4	cg13434842	558	9.10E-10	0.30	9.16E-10	0.30	0.39
FEV1	ZC3HC1	cg05055930	963	5.00E-119	0.89	1.54E-120	0.03	0.08
FEV1	CHMP4B	cg03864128	976	0.00E+00	0.45	0.00E+00	0.52	0.04
FEV1	CHMP4B	cg03355213	990	0.00E+00	0.45	0.00E+00	0.52	0.04
FEV1/FVC	TRIM27	cg03270340	193	3.26E-201	1.02E-13	1.68E-189	0.05	0.95
FEV1/FVC	PCGF2	cg02433498	325	7.91E-36	4.52E-20	1.60E-16	0.91	0.09
FEV1/FVC	GAB2	cg24769381	1369	0.00E+00	3.77E-08	0.00E+00	0.10	0.90
FEV1/FVC	PCGF2	cg18896448	282	6.08E-29	1.70E-20	1.23E-09	0.34	0.66
FEV1/FVC	GAB2	cg26672202	1184	7.59E-173	3.47E-07	2.02E-166	0.92	0.08
FEV1/FVC	SFRP2	cg23207990	825	9.02E-41	5.22E-07	1.53E-35	0.09	0.91
FEV1/FVC	SFRP2	cg23121156	736	1.47E-31	4.89E-07	2.48E-26	0.08	0.92
FEV1/FVC	ATP6V0D1;AGRP	cg07871059	643	1.16E-21	3.74E-13	3.71E-11	0.01	0.99
FEV1/FVC	ATP13A2	cg16027378	360	7.79E-58	1.49E-53	6.44E-06	0.12	0.88
FEV1/FVC	ERBB3	cg23731805	405	1.57E-39	4.70E-05	8.63E-37	0.02	0.98

FEV1/FVC	EP300	cg20730595	1163	8.73E-48	1.58E-05	5.77E-44	0.10	0.90
FEV1/FVC	NEU1	cg27645345	203	7.37E-134	7.02E-132	0.01	0.99	3.16E-03
FEV1/FVC	ERBB3	cg10869879	449	6.27E-34	4.89E-05	3.44E-31	0.03	0.97
FEV1/FVC	SFRP2	cg09788843	733	4.28E-23	2.02E-06	7.26E-18	0.34	0.66
FEV1/FVC	SFRP2	cg13357229	854	9.93E-24	7.52E-07	1.68E-18	0.13	0.87
FEV1/FVC	SFRP2	cg05241277	666	3.19E-19	5.25E-07	5.40E-14	0.09	0.91
FEV1/FVC	GAB2	cg07780377	761	4.75E-19	4.16E-08	1.27E-12	0.11	0.89
FEV1/FVC	SFRP2	cg24241928	784	4.38E-30	2.87E-06	7.42E-25	0.49	0.51
FEV1/FVC	SFRP2	cg20727217	777	8.86E-18	7.50E-07	1.50E-12	0.13	0.87
FEV1/FVC	SFRP2	cg14435644	610	4.19E-19	1.09E-06	7.11E-14	0.18	0.82
FEV1/FVC	WDR41	cg26820915	1350	0.00E+00	5.76E-04	0.00E+00	0.78	0.22
FEV1/FVC	NEU1	cg13634177	162	1.89E-35	4.12E-34	2.37E-03	0.05	0.95
FEV1/FVC	SFRP2	cg23502475	656	1.00E-21	4.74E-07	1.69E-16	0.08	0.92
FEV1/FVC	SFRP2	cg10663078	701	6.88E-17	9.55E-07	1.17E-11	0.16	0.84
FEV1/FVC	CSF2	cg08324925	1060	2.95E-72	2.57E-20	1.14E-52	1.00	1.94E-17
FEV1/FVC	SFRP2	cg21630608	761	1.67E-17	8.15E-07	2.83E-12	0.14	0.86
FEV1/FVC	ING5	cg13140981	572	6.89E-78	1.89E-03	3.21E-76	0.09	0.91
FEV1/FVC	TRIM27	cg27120125	95	9.98E-18	1.13E-13	5.13E-06	0.06	0.94
FEV1/FVC	TGFB2	cg07810039	338	1.54E-18	5.58E-16	9.25E-06	2.35E-03	1.00
FEV1/FVC	GAB2	cg13319772	967	8.09E-15	2.70E-07	2.15E-08	0.72	0.28
FEV1/FVC	RAF1	cg23032965	1477	0.00E+00	6.60E-03	0.00E+00	0.02	0.97
FEV1/FVC	CAPZB	cg23519022	642	3.15E-17	3.84E-05	2.55E-13	0.31	0.69
FEV1/FVC	ORMDL3	cg12655416	1282	4.21E-134	8.04E-09	5.24E-126	1.00	1.43E-06
FEV1/FVC	SFRP2	cg13732865	726	2.31E-18	6.30E-07	3.91E-13	0.11	0.89
FEV1/FVC	BLK	cg24861686	2871	6.73E-46	1.07E-07	6.27E-39	1.00	1.73E-05
FEV1/FVC	BMF	cg09749364	400	1.42E-12	3.46E-07	7.81E-07	0.19	0.81
FEV1/FVC	SFRP2	cg04959480	731	5.51E-16	4.98E-07	9.34E-11	0.08	0.92
FEV1/FVC	CTTN	cg15465439	479	1.60E-53	1.39E-05	1.15E-48	1.00	4.90E-03
FEV1/FVC	WDR41	cg02017109	825	4.45E-36	5.25E-04	6.06E-33	0.71	0.28
FEV1/FVC	FEZ2	cg15105969	1153	0.00E+00	7.91E-15	0.00E+00	1.00	6.50E-13
FEV1/FVC	FEZ2	cg10546459	1123	0.00E+00	7.91E-15	0.00E+00	1.00	6.50E-13
FEV1/FVC	GAB2	cg25502267	584	1.10E-15	1.55E-07	2.94E-09	0.41	0.59
FEV1/FVC	MUC1	cg18804777	225	4.85E-25	7.58E-04	1.82E-23	0.03	0.97
FEV1/FVC	GAB2	cg13226797	711	1.56E-13	4.84E-08	4.14E-07	0.13	0.87
FEV1/FVC	ERBB3	cg00907267	322	1.27E-13	4.58E-05	6.97E-11	0.02	0.98
FEV1/FVC	ORMDL3	cg18711369	1354	2.26E-302	8.04E-09	2.81E-294	1.00	5.33E-07
FEV1/FVC	WDR41	cg14666655	716	7.02E-31	5.61E-04	9.57E-28	0.76	0.23
FEV1/FVC	ATP6V0D1	cg06120000	512	7.49E-17	3.14E-11	2.39E-06	1.00	1.92E-05
FEV1/FVC	FGFR1	cg15321288	647	2.74E-91	0.01	6.31E-91	0.03	0.96
FEV1/FVC	SMCR8	cg19346202	621	2.10E-38	3.93E-03	3.06E-36	0.57	0.42
FEV1/FVC	ATP6V0A2	cg21179092	685	5.10E-21	1.72E-03	9.59E-19	0.32	0.68
FEV1/FVC	FEZ2	cg11324054	463	7.96E-27	7.92E-15	1.00E-12	1.00	4.03E-08

FEV1/FVC	CSF2	cg13259290	656	4.51E-33	2.57E-20	1.75E-13	1.00	3.58E-13
FEV1/FVC	GSDMB	cg10057218	1206	5.57E-91	8.04E-09	6.93E-83	1.00	3.87E-07
FEV1/FVC	AP4E1	cg21246271	1596	1.12E-23	6.53E-05	1.70E-19	0.99	0.01
FEV1/FVC	PPP1R13B	cg11829633	1906	0.00E+00	0.04	0.00E+00	0.17	0.79
FEV1/FVC	CD28	cg10240150	601	4.15E-34	0.01	1.18E-34	2.81E-03	0.98
FEV1/FVC	RAF1	cg13703021	948	1.24E-22	6.56E-03	3.99E-22	0.02	0.97
FEV1/FVC	CTTN	cg27326318	359	7.28E-16	3.95E-03	3.33E-15	0.02	0.98
FEV1/FVC	SESN1	cg17117243	1025	1.07E-36	3.08E-19	3.47E-18	1.00	2.05E-16
FEV1/FVC	PPP1R13B	cg08213375	1749	6.28E-221	0.04	2.90E-220	0.19	0.76
FEV1/FVC	MTMR9	cg06240162	1617	2.81E-09	1.22E-04	2.53E-06	0.11	0.89
FEV1/FVC	TP53INP2	cg00876694	967	1.81E-14	1.14E-06	6.38E-09	0.40	0.60
FEV1/FVC	MET	cg27472701	342	2.06E-12	8.30E-06	2.05E-07	0.82	0.18
FEV1/FVC	CTTN	cg14191688	424	8.54E-32	6.15E-03	3.99E-31	0.03	0.97
FEV1/FVC	CAPZB	cg13319175	581	1.07E-09	9.42E-06	8.65E-06	0.08	0.92
FEV1/FVC	ORMDL3	cg22144450	1053	6.38E-93	8.03E-09	7.93E-85	1.00	1.98E-07
FEV1/FVC	TRIM8	cg06662132	630	1.17E-10	9.43E-04	2.41E-09	0.02	0.98
FEV1/FVC	CLEC16A	cg10390979	897	2.02E-22	2.37E-03	3.05E-20	0.36	0.64
FEV1/FVC	GAB2	cg12700464	592	3.26E-11	4.80E-08	8.68E-05	0.13	0.87
FEV1/FVC	BLK	cg04335815	2343	6.20E-25	1.07E-07	5.77E-18	1.00	7.10E-06
FEV1/FVC	SFRP2	cg07999845	611	3.47E-11	1.79E-06	5.88E-06	0.30	0.70
FEV1/FVC	GSDMA	cg24910161	1048	0.00E+00	8.04E-09	0.00E+00	1.00	1.01E-07
FEV1/FVC	GSDMA	cg26162295	1075	0.00E+00	8.04E-09	1.35E-319	1.00	1.01E-07
FEV1/FVC	SFRP2	cg01821854	673	2.10E-12	4.45E-06	3.58E-07	0.76	0.24
FEV1/FVC	CTTN	cg16061668	280	2.43E-15	5.17E-03	1.11E-14	0.02	0.97
FEV1/FVC	SFRP2	cg23292160	710	8.12E-11	4.04E-06	1.38E-05	0.68	0.32
FEV1/FVC	ERBB3	cg17843101	208	5.53E-15	1.48E-03	3.04E-12	0.82	0.18
FEV1/FVC	PHLDA3	cg18569595	435	2.63E-39	1.59E-03	1.59E-36	0.97	0.03
FEV1/FVC	FOXO1	cg23413567	602	3.85E-19	0.01	1.01E-18	0.03	0.96
FEV1/FVC	MNT	cg27406664	1390	0.00E+00	2.40E-07	0.00E+00	1.00	2.15E-06
FEV1/FVC	ICAM4;ICAM1	cg00500176	586	1.00E-86	0.05	7.20E-86	0.33	0.62
FEV1/FVC	GSDMB	cg27435903	890	8.79E-57	8.03E-09	1.09E-48	1.00	1.30E-07
FEV1/FVC	ATP6V0D1	cg04726373	657	2.02E-22	7.73E-12	6.47E-12	0.25	0.75
FEV1/FVC	FGFR1	cg24828864	283	4.65E-12	4.31E-03	1.07E-11	8.89E-03	0.99
FEV1/FVC	SUMF1	cg24840601	483	2.25E-15	4.78E-05	4.67E-11	0.99	9.45E-03
FEV1/FVC	RASIP1	cg12258179	660	1.14E-17	0.05	2.23E-17	0.10	0.85
FEV1/FVC	SFRP2	cg23910835	466	1.07E-09	7.97E-07	1.81E-04	0.13	0.87
FEV1/FVC	TSGA10;LIPT1	cg13789186	1582	1.22E-81	0.01	9.18E-80	0.89	0.10
FEV1/FVC	ATP2A3	cg18963239	596	2.55E-33	7.67E-17	3.32E-17	1.00	1.22E-07
FEV1/FVC	SFRP2	cg22178613	910	3.57E-81	5.91E-06	6.04E-76	1.00	3.26E-05
FEV1/FVC	ATG7	cg11277834	856	2.34E-31	2.46E-05	9.48E-27	1.00	2.63E-04
FEV1/FVC	BLK	cg26161004	2464	2.68E-75	1.07E-07	2.50E-68	1.00	6.66E-07
FEV1/FVC	TSC2;NTHL1	cg09123625	204	2.30E-15	0.04	1.34E-16	1.36E-03	0.96

FEV1/FVC	EPHA2	cg21647035	781	2.63E-35	0.11	3.12E-35	0.13	0.75
FEV1/FVC	CHAC1	cg07891971	606	1.37E-07	1.73E-03	5.55E-06	0.07	0.93
FEV1/FVC	CSF2	cg26369418	510	1.11E-23	2.55E-20	4.30E-04	0.99	8.01E-03
FEV1/FVC	ATP6V1E2	cg02822958	1627	0.00E+00	0.22	0.00E+00	0.08	0.70
FEV1/FVC	CTTN	cg07005180	357	2.65E-08	5.67E-03	1.21E-07	0.02	0.97
FEV1/FVC	VGLL4;ATG7	cg02131130	752	1.55E-24	1.59E-07	9.78E-18	1.00	1.61E-06
FEV1/FVC	RASIP1	cg15673069	718	1.17E-59	0.18	2.29E-59	0.36	0.46
FEV1/FVC	FOXO1	cg11244402	870	1.78E-39	0.13	4.75E-39	0.35	0.52
FEV1/FVC	PPT2;PRRT1	cg01111041	143	3.26E-28	1.80E-24	1.81E-04	1.00	4.02E-05
FEV1/FVC	FOXK2	cg20173014	786	5.41E-23	0.16	4.58E-24	0.01	0.83
FEV1/FVC	CUL4A	cg10914120	257	4.98E-14	0.08	9.00E-14	0.14	0.78
FEV1/FVC	ATP6V0A2	cg16376770	559	2.79E-08	2.35E-03	5.24E-06	0.44	0.56
FEV1/FVC	SESN1;C6orf182	cg01304950	355	1.13E-39	1.98E-11	5.72E-29	1.00	1.15E-10
FEV1/FVC	CUL4A	cg10012867	358	9.00E-16	0.07	1.63E-15	0.13	0.80
FEV1/FVC	ICAM1	cg24354612	208	8.71E-11	0.05	1.83E-10	0.10	0.85
FEV1/FVC	IL6R	cg20688791	300	1.11E-10	0.16	1.23E-11	0.02	0.82
FEV1/FVC	KDR	cg07098391	220	5.79E-06	0.01	1.74E-05	0.03	0.95
FEV1/FVC	EPHA2	cg24494577	659	1.23E-22	0.14	1.30E-22	0.15	0.71
FEV1/FVC	MYH9	cg01816775	455	9.66E-52	0.27	2.28E-52	0.06	0.67
FEV1/FVC	ATP6V1E2	cg04944393	468	3.15E-09	0.10	1.18E-09	0.04	0.86
FEV1/FVC	CUL4A	cg17689702	331	3.94E-15	0.08	7.08E-15	0.15	0.77
FEV1/FVC	ITGAV	cg15732657	1181	9.96E-36	1.19E-08	8.35E-28	1.00	4.00E-08
FEV1/FVC	PHLDA3	cg04055835	491	1.30E-14	2.71E-03	4.67E-12	0.98	0.02
FEV1/FVC	FLCN	cg04863514	458	7.04E-21	0.18	2.21E-21	0.06	0.76
FEV1/FVC	ATP6V1E2	cg26688816	1455	0.00E+00	0.36	0.00E+00	0.14	0.50
FEV1/FVC	RAF1	cg26432171	910	7.48E-62	0.17	2.41E-61	0.54	0.29
FEV1/FVC	MYH9	cg17163767	345	6.11E-34	0.27	1.42E-34	0.06	0.67
FEV1/FVC	FASTK;TMUB1	cg03930004	238	1.25E-11	0.18	1.03E-12	0.01	0.81
FEV1/FVC	ATG7	cg12120750	731	1.12E-20	3.67E-07	3.05E-14	1.00	2.03E-06
FEV1/FVC	PGD	cg13938663	730	1.05E-23	0.13	4.06E-23	0.50	0.37
FEV1/FVC	MAMSTR;RASIP1	cg18886062	462	3.24E-09	0.06	6.33E-09	0.11	0.84
FEV1/FVC	RPTOR	cg06153925	1478	0.00E+00	0.36	0.00E+00	0.09	0.55
FEV1/FVC	RPTOR	cg09592546	1618	0.00E+00	0.32	0.00E+00	0.08	0.59
FEV1/FVC	LTBR	cg24621362	312	1.87E-33	0.37	4.13E-35	7.63E-03	0.62
FEV1/FVC	RPTOR	cg06418238	1517	0.00E+00	0.35	0.00E+00	0.09	0.56
FEV1/FVC	FOXF1	cg01168283	533	5.67E-41	4.96E-07	1.14E-34	1.00	9.05E-07
FEV1/FVC	CTTN	cg12127706	652	3.35E-192	0.12	2.15E-191	0.75	0.13
FEV1/FVC	WDR41	cg12888834	557	2.58E-10	3.76E-04	3.51E-07	0.51	0.49
FEV1/FVC	LTBR	cg19476647	202	1.60E-24	0.39	3.46E-26	7.83E-03	0.60
FEV1/FVC	RAF1	cg02420927	832	2.08E-23	0.16	6.69E-23	0.52	0.31
FEV1/FVC	CTTN	cg16629523	599	2.68E-152	0.12	1.71E-151	0.75	0.13
FEV1/FVC	SFRP1	cg14904908	563	1.11E-15	0.22	1.61E-15	0.32	0.47

FEV1/FVC	FASTK;TMUB1	cg10702041	328	1.01E-16	0.21	8.94E-18	0.02	0.77
FEV1/FVC	RPTOR	cg22878693	1350	3.84E-201	0.37	9.80E-202	0.09	0.54
FEV1/FVC	RPTOR	cg08454507	1421	5.76E-175	0.37	1.47E-175	0.10	0.53
FEV1/FVC	RPTOR	cg16015295	1207	1.57E-120	0.40	4.04E-121	0.10	0.50
FEV1/FVC	FGFR1	cg12614213	117	4.72E-07	6.34E-03	1.08E-06	0.01	0.98
FEV1/FVC	RPTOR	cg06872548	1448	3.69E-215	0.39	9.43E-216	0.10	0.51
FEV1/FVC	RPTOR	cg22386583	1130	1.46E-75	0.37	3.66E-76	0.09	0.54
FEV1/FVC	CTTN	cg02011981	309	1.25E-05	0.01	5.75E-05	0.06	0.92
FEV1/FVC	CTTN	cg22720428	400	2.34E-05	0.01	1.07E-04	0.05	0.94
FEV1/FVC	DAXX	cg27052777	328	6.03E-34	6.60E-24	9.14E-11	1.00	1.93E-11
FEV1/FVC	CTTN	cg25587405	314	2.31E-05	0.02	1.07E-04	0.10	0.88
FEV1/FVC	TOP3A;SMCR8	cg23045404	295	2.78E-05	3.17E-03	3.84E-03	0.44	0.56
FEV1/FVC	LGALS3	cg09939831	1022	2.06E-05	0.02	1.37E-04	0.15	0.83
FEV1/FVC	EYA4	cg17985029	1625	1.91E-158	0.48	8.73E-159	0.22	0.30
FEV1/FVC	BAX	cg27565645	702	6.37E-61	0.16	1.33E-60	0.33	0.52
FEV1/FVC	RPS27L	cg23837188	892	3.92E-53	1.05E-10	3.72E-43	1.00	1.46E-10
FEV1/FVC	TFDP2	cg00217306	1154	4.47E-26	0.30	5.94E-26	0.40	0.29
FEV1/FVC	ATP6V1E2	cg15759873	597	7.40E-06	0.13	2.78E-06	0.05	0.82
FEV1/FVC	FASTK;TMUB1	cg18068487	339	4.67E-06	0.12	4.26E-07	9.92E-03	0.87
FEV1/FVC	IL13	cg04303330	1014	5.60E-78	1.53E-15	3.67E-63	1.00	1.36E-15
FEV1/FVC	BMF	cg07887985	227	1.28E-08	1.71E-04	6.45E-05	0.86	0.14
FEV1/FVC	IDUA	cg05327835	426	2.49E-05	0.12	9.20E-06	0.04	0.84
FEV1/FVC	WNT4	cg17022577	623	8.85E-39	6.70E-03	1.30E-36	0.99	6.34E-03
FEV1/FVC	LIPT1;TSGA10	cg06240854	1107	4.32E-10	0.01	3.23E-08	0.95	0.04
FEV1/FVC	GNPTAB	cg03756485	717	2.75E-58	0.51	8.64E-59	0.16	0.33
FEV1/FVC	FOXK2	cg11779900	1035	1.15E-310	0.61	1.01E-311	0.05	0.33
FEV1/FVC	BMF	cg26662201	192	5.53E-11	7.10E-07	3.04E-05	0.39	0.61
FEV1/FVC	IL13	cg13566430	725	1.91E-58	1.53E-15	1.25E-43	1.00	1.19E-15
FEV1/FVC	RPTOR	cg04295549	774	6.15E-17	0.37	1.53E-17	0.09	0.54
FEV1/FVC	AKT1	cg01921845	781	1.70E-220	0.58	4.91E-221	0.17	0.25
FEV1/FVC	ST20;C15orf37	cg26673396	1180	1.07E-88	0.69	4.49E-90	0.03	0.28
FEV1/FVC	FOXO1	cg14168545	512	1.46E-14	0.23	3.85E-14	0.61	0.15
FEV1/FVC	BIK	cg13934236	298	1.37E-10	0.38	1.33E-11	0.04	0.59
FEV1/FVC	SFRP1	cg03133371	320	1.29E-05	0.21	1.52E-05	0.25	0.54
FEV1/FVC	ST20	cg21315874	1551	7.18E-221	0.70	3.22E-222	0.03	0.27
FEV1/FVC	MYH9	cg06765172	110	8.46E-06	0.17	2.29E-07	3.81E-03	0.83
FEV1/FVC	ACSL5	cg13849691	368	3.70E-19	0.52	1.91E-19	0.27	0.22
FEV1/FVC	ST20	cg11839771	1446	1.90E-157	0.70	8.69E-159	0.03	0.27
FEV1/FVC	MTMR9	cg12981288	1407	1.78E-12	1.20E-03	1.47E-09	0.99	4.78E-03
FEV1/FVC	RASIP1	cg23082877	436	1.61E-12	0.27	3.15E-12	0.54	0.19
FEV1/FVC	PIAS4	cg24479928	307	4.78E-12	0.36	9.19E-13	0.07	0.57
FEV1/FVC	SFRP1	cg01074584	364	2.57E-05	0.28	2.98E-05	0.32	0.41

FEV1/FVC	MAMSTR;RASIP1	cg10404009	529	4.20E-17	0.22	8.21E-17	0.43	0.36
FEV1/FVC	DAXX	cg14910283	122	6.75E-07	9.63E-04	6.98E-04	1.00	2.21E-03
FEV1/FVC	EYA4	cg21296676	680	1.09E-13	0.51	3.30E-14	0.15	0.34
FEV1/FVC	NFE2L2	cg21570130	1426	1.27E-134	0.74	3.27E-136	0.02	0.24
FEV1/FVC	FLCN	cg19830245	342	3.49E-04	0.19	1.05E-04	0.06	0.75
FEV1/FVC	FOXO1	cg09792463	871	1.86E-43	0.23	4.97E-43	0.62	0.14
FEV1/FVC	CD68	cg21808406	237	1.08E-07	0.52	1.67E-09	7.54E-03	0.48
FEV1/FVC	AP1M2	cg11657665	1032	6.75E-75	0.09	6.21E-74	0.87	0.04
FEV1/FVC	FER	cg16174681	1085	3.28E-25	0.05	5.77E-24	0.91	0.04
FEV1/FVC	FOXF1	cg01142386	298	4.03E-10	0.06	5.19E-09	0.84	0.10
FEV1/FVC	GSDMA	cg08995595	823	7.97E-14	0.11	5.94E-13	0.83	0.06
FEV1/FVC	WNT4	cg12098183	507	1.12E-17	0.08	1.14E-16	0.86	0.06
FEV1/FVC	RPTOR	cg07786220	1616	3.42E-120	0.61	8.88E-121	0.16	0.23
FEV1/FVC	GSDMB	cg12360886	468	1.56E-11	1.00E-08	1.55E-03	1.00	2.28E-04
FEV1/FVC	TP63	cg05129081	1361	1.84E-208	0.79	2.86E-210	0.01	0.20
FEV1/FVC	RPTOR	cg13311292	549	1.19E-07	0.34	2.96E-08	0.08	0.57
FEV1/FVC	DAXX	cg09992055	265	1.04E-06	3.09E-03	3.34E-04	0.99	4.83E-03
FEV1/FVC	GATA4	cg01546563	1768	8.41E-63	1.09E-07	7.74E-56	1.00	4.60E-08
FEV1/FVC	SFRP1	cg10406295	434	1.95E-03	0.15	2.55E-03	0.19	0.65
FEV1/FVC	PARK7	cg15591616	385	5.87E-17	0.56	5.61E-19	4.95E-03	0.43
FEV1/FVC	RPTOR	cg20937981	1128	1.67E-57	0.62	4.26E-58	0.16	0.23
FEV1/FVC	PPP1R13B	cg09351176	679	2.54E-05	0.14	1.17E-04	0.65	0.21
FEV1/FVC	CAPZB	cg24593138	1832	0.00E+00	1.24E-04	0.00E+00	1.00	2.69E-05
FEV1/FVC	BAX	cg26673286	248	4.87E-07	0.17	1.46E-07	0.05	0.78
FEV1/FVC	CDKN2D	cg04833646	1179	3.65E-265	0.22	1.17E-264	0.71	0.07
FEV1/FVC	AP1M2	cg26292442	476	1.03E-04	0.11	7.54E-04	0.84	0.04
FEV1/FVC	PPT1	cg22716190	1225	0.00E+00	0.17	0.00E+00	0.79	0.04
FEV1/FVC	GATA2	cg03839949	360	8.61E-22	3.19E-08	2.70E-14	1.00	2.81E-08
FEV1/FVC	RPTOR	cg11790527	1062	7.16E-31	0.62	1.79E-31	0.15	0.23
FEV1/FVC	RPTOR	cg22838354	888	9.91E-23	0.60	2.52E-23	0.15	0.25
FEV1/FVC	BIK	cg02601893	728	1.68E-10	0.64	1.79E-11	0.07	0.29
FEV1/FVC	GATA4	cg15644626	435	9.11E-16	1.33E-05	6.87E-11	1.00	6.09E-06
FEV1/FVC	SFRP2	cg05050042	771	5.18E-13	5.90E-06	8.78E-08	1.00	6.31E-05
FEV1/FVC	SNX32	cg15531562	1342	0.00E+00	0.27	0.00E+00	0.68	0.05
FEV1/FVC	FOXK1	cg09395443	386	1.12E-08	0.66	1.73E-10	9.87E-03	0.33
FEV1/FVC	AP1M2	cg14985481	445	3.07E-19	0.22	9.70E-19	0.71	0.07
FEV1/FVC	FER	cg11403831	618	1.14E-12	0.05	2.00E-11	0.90	0.04
FEV1/FVC	EYA4	cg21390624	545	1.13E-06	0.52	3.47E-07	0.16	0.32
FEV1/FVC	SLC30A2	cg01689405	663	2.00E-16	0.82	3.20E-18	0.01	0.17
FEV1/FVC	ZBTB22;DAXX	cg06477487	171	1.88E-03	0.29	1.43E-03	0.22	0.49
FEV1/FVC	AP1M2	cg26999505	500	4.23E-33	0.28	9.53E-33	0.64	0.08
FEV1/FVC	LIPT1	cg22616506	943	1.71E-05	0.01	1.15E-03	0.84	0.15

FEV1/FVC	LTBR	cg25894255	222	1.59E-03	0.44	3.53E-05	9.22E-03	0.55
FEV1/FVC	NFKB1	cg09390974	1286	1.94E-249	0.84	3.25E-251	0.01	0.14
FEV1/FVC	NCK2	cg13704531	1164	2.32E-46	0.82	1.09E-47	0.04	0.14
FEV1/FVC	NCK2	cg01295249	1565	6.12E-140	0.82	3.02E-141	0.04	0.14
FEV1/FVC	PSEN1	cg09970967	1307	6.15E-43	0.14	3.71E-42	0.82	0.05
FEV1/FVC	PSEN1	cg26124115	1087	1.32E-27	0.14	7.83E-27	0.81	0.05
FEV1/FVC	SIVA1	cg19495714	651	1.07E-37	0.64	3.06E-38	0.18	0.18
FEV1/FVC	POU4F2	cg25406138	717	1.41E-09	0.14	8.29E-09	0.82	0.04
FEV1/FVC	PSEN1	cg11490446	1020	2.13E-17	0.14	1.27E-16	0.81	0.05
FEV1/FVC	NFKB1	cg15409712	1172	3.87E-255	0.85	5.94E-257	0.01	0.14
FEV1/FVC	OSBPL7	cg02206375	724	2.98E-04	0.32	8.46E-05	0.09	0.59
FEV1/FVC	GDNF	cg24813562	684	6.24E-37	0.78	1.71E-38	0.02	0.20
FEV1/FVC	BNIP3	cg02365648	1181	8.70E-100	0.27	1.95E-99	0.61	0.12
FEV1/FVC	BLOC1S2	cg13817732	349	4.39E-26	0.10	3.79E-25	0.87	0.03
FEV1/FVC	RAF1	cg12173506	438	4.85E-05	0.03	1.53E-04	0.08	0.89
FEV1/FVC	FOXK2	cg26176014	243	1.52E-07	0.64	1.27E-08	0.05	0.31
FEV1/FVC	GATA4	cg23916205	2263	2.95E-108	1.07E-07	2.75E-101	1.00	1.45E-08
FEV1/FVC	PARK7	cg00042356	1426	2.86E-87	0.55	1.87E-87	0.36	0.09
FEV1/FVC	GATA4	cg19172575	1303	9.09E-19	1.31E-03	6.94E-16	1.00	3.48E-04
FEV1/FVC	RPTOR	cg06443231	619	3.67E-09	0.62	9.09E-10	0.15	0.23
FEV1/FVC	ATG7	cg18146954	681	3.78E-14	0.02	1.47E-12	0.96	0.01
FEV1/FVC	TSC2	cg02851047	461	1.01E-62	0.80	6.52E-64	0.05	0.14
FEV1/FVC	FADS2	cg19610905	1111	0.00E+00	0.85	0.00E+00	0.04	0.11
FEV1/FVC	UACA	cg09345916	336	1.55E-14	1.56E-12	9.78E-03	0.98	5.63E-03
FEV1/FVC	CTSA;NEURL2	cg08260891	962	4.36E-13	0.49	3.72E-13	0.41	0.10
FEV1/FVC	ATF6	cg10230257	320	1.96E-04	0.56	1.77E-05	0.05	0.39
FEV1/FVC	FBXO31;MAP1LC3B	cg06750038	1606	3.27E-108	0.85	2.09E-109	0.05	0.10
FEV1/FVC	MAP1LC3B;FBXO31	cg23636419	519	1.80E-04	0.77	4.66E-06	0.02	0.21
FEV1/FVC	SFRP1	cg07935886	183	5.11E-07	0.30	6.40E-07	0.37	0.33
FEV1/FVC	IKBKE	cg11739399	227	5.06E-35	0.16	2.55E-34	0.82	0.02
FEV1/FVC	UVRAG	cg02337499	537	2.85E-45	0.79	1.25E-46	0.03	0.17
FEV1/FVC	IDUA	cg04508482	390	1.77E-07	0.62	6.43E-08	0.23	0.15
FEV1/FVC	STBD1	cg06978288	1602	1.35E-64	0.88	4.85E-66	0.03	0.09
FEV1/FVC	UVRAG	cg13641591	515	5.02E-40	0.78	2.18E-41	0.03	0.19
FEV1/FVC	ARSB	cg27361227	518	1.14E-07	0.74	1.01E-08	0.07	0.19
FEV1/FVC	SGMS1	cg13799263	672	5.21E-28	0.48	8.27E-29	0.08	0.45
FEV1/FVC	DAPK2	cg06904649	653	7.37E-23	3.72E-14	1.98E-09	1.00	1.29E-09
FEV1/FVC	NCK2	cg03181966	699	6.01E-10	0.83	2.35E-11	0.03	0.14
FEV1/FVC	PARK7	cg10385390	1067	1.30E-24	0.60	6.80E-25	0.32	0.08
FEV1/FVC	BMF	cg17809595	262	1.09E-04	0.66	2.02E-05	0.12	0.22
FEV1/FVC	CTSA;NEURL2	cg19067730	917	7.16E-10	0.48	6.11E-10	0.41	0.10
FEV1/FVC	IL6R	cg25135018	502	5.29E-14	0.30	1.15E-13	0.66	0.04

FEV1/FVC	UNC5B	cg11224737	447	9.54E-17	0.86	3.41E-19	2.92E-03	0.14
FEV1/FVC	PIK3R2	cg10256708	373	4.45E-08	0.66	9.24E-09	0.14	0.20
FEV1/FVC	PPP3R1	cg16179607	862	1.58E-85	0.87	4.49E-87	0.02	0.11
FEV1/FVC	CTSW	cg19792802	928	4.38E-50	0.56	2.73E-50	0.35	0.08
FEV1/FVC	TGFB2	cg20991819	464	1.94E-16	1.49E-12	1.30E-04	1.00	2.51E-03
FEV1/FVC	USP36	cg06146665	786	2.02E-159	0.53	1.56E-159	0.41	0.07
FEV1/FVC	GATA4	cg23972785	328	6.61E-29	2.67E-06	2.48E-23	1.00	2.84E-07
FEV1/FVC	ZC3HC1	cg05055930	963	5.07E-119	0.91	6.85E-121	0.01	0.08
FEV1/FVC	CAPZB	cg05820435	964	1.51E-11	6.79E-06	1.22E-07	0.05	0.95
FEV1/FVC	ZNF385A	cg22824738	401	3.16E-57	2.16E-04	1.46E-53	1.00	2.59E-05
FEV1/FVC	MTOR	cg10315903	800	1.10E-03	0.71	1.93E-04	0.12	0.17
FEV1/FVC	GSDMD	cg22012530	1156	1.70E-160	0.87	6.69E-162	0.03	0.10
FEV1/FVC	POU4F2	cg00505045	241	2.40E-03	0.49	1.04E-03	0.21	0.30
FEV1/FVC	RALB	cg27505472	510	2.19E-10	3.46E-04	6.32E-07	1.00	1.38E-04
FEV1/FVC	PIP4K2B	cg27142680	367	2.43E-13	3.21E-06	7.57E-08	1.00	1.08E-06
FEV1/FVC	CTTN	cg17631184	399	7.50E-05	0.03	3.42E-04	0.13	0.84
PEF	LAPTM5	cg15459165	409	1.63E-52	1.32E-26	1.24E-26	1.00	8.00E-08
PEF	TP53INP2	cg20592836	1433	0.00E+00	4.06E-07	0.00E+00	0.94	0.06
PEF	TP53INP2	cg06115741	1420	4.09E-192	4.11E-07	9.52E-186	0.96	0.04
PEF	GLS	cg21497043	1025	3.10E-33	1.87E-10	1.65E-23	1.00	3.28E-03
PEF	TRIM27	cg27120125	95	7.25E-45	8.23E-41	1.63E-06	0.02	0.98
PEF	TSC2	cg02851047	461	1.76E-67	1.40E-05	2.72E-64	0.02	0.98
PEF	CAPZB	cg13319175	581	2.95E-28	2.60E-24	9.93E-06	0.09	0.91
PEF	TP53INP2	cg00820065	1009	3.53E-37	3.94E-07	8.22E-31	0.92	0.08
PEF	FAF1	cg07174182	976	1.17E-300	2.45E-31	4.78E-270	1.00	2.03E-27
PEF	NEU1	cg13634177	162	2.44E-38	5.33E-37	2.22E-03	0.05	0.95
PEF	INF2	cg16004738	842	2.61E-172	4.17E-04	3.17E-169	0.51	0.49
PEF	PCGF2	cg02433498	325	9.47E-22	5.42E-06	1.23E-16	0.71	0.29
PEF	INF2	cg23343291	437	6.16E-113	4.57E-04	7.49E-110	0.55	0.44
PEF	NEU1	cg27645345	203	2.43E-39	2.31E-37	2.22E-04	0.02	0.98
PEF	INF2	cg02918593	337	9.56E-81	4.64E-04	1.16E-77	0.56	0.44
PEF	IFNGR2	cg14850771	654	2.41E-219	2.19E-03	2.44E-218	0.02	0.98
PEF	TSC2	cg03444940	346	7.91E-92	4.15E-04	1.22E-88	0.64	0.36
PEF	PGD	cg13938663	729	3.64E-27	4.46E-05	2.83E-24	0.03	0.97
PEF	BLK	cg14702231	2056	3.01E-64	1.88E-03	3.03E-63	0.02	0.98
PEF	GRINA	cg07980830	310	0.00E+00	5.01E-03	0.00E+00	0.03	0.97
PEF	BLK	cg26161004	2464	4.60E-71	1.84E-03	4.64E-70	0.02	0.98
PEF	MUC1	cg22500132	392	8.74E-16	1.25E-05	7.31E-12	0.10	0.90
PEF	ATP6V0A2	cg02460419	1443	1.50E-175	7.32E-03	4.89E-174	0.24	0.76
PEF	ATP6V0A2	cg06735598	1805	0.00E+00	8.23E-03	0.00E+00	0.27	0.73
PEF	STAT1	cg18766080	553	9.99E-12	1.02E-10	0.03	0.34	0.63
PEF	ATP13A2	cg06953703	346	9.80E-19	1.37E-14	5.86E-05	0.82	0.18

PEF	PCGF2	cg18896448	282	2.28E-14	6.36E-06	2.97E-09	0.83	0.17
PEF	GSDMC	cg23990303	580	1.31E-28	2.62E-03	5.28E-28	9.52E-03	0.99
PEF	KIF1B	cg26247646	643	3.73E-43	8.67E-04	2.90E-40	0.67	0.32
PEF	CTSF	cg05087948	571	6.35E-18	4.29E-03	5.63E-16	0.38	0.62
PEF	GAB2	cg24769381	1368	0.00E+00	0.01	0.00E+00	0.24	0.75
PEF	MUC1	cg22531371	420	1.00E-10	9.89E-06	8.41E-07	0.08	0.92
PEF	TSC2	cg04328826	140	4.07E-11	1.23E-05	6.23E-08	0.02	0.98
PEF	KIF1B	cg11399195	943	1.03E-37	6.91E-04	8.02E-35	0.54	0.46
PEF	KIF1B	cg03517919	999	3.91E-37	6.75E-04	3.04E-34	0.53	0.47
PEF	FAF1	cg12421536	542	1.03E-26	1.62E-18	6.35E-09	1.00	2.23E-08
PEF	SLC30A2	cg01689405	663	5.39E-19	2.21E-03	1.36E-16	0.56	0.44
PEF	KDR	cg01340163	535	5.74E-20	2.19E-03	2.62E-19	8.98E-03	0.99
PEF	GAB2	cg26672202	1183	3.88E-168	0.02	6.77E-167	0.31	0.67
PEF	GLS	cg03661409	478	3.04E-11	1.38E-05	1.53E-06	0.69	0.31
PEF	JMY	cg24856658	601	1.53E-24	8.17E-03	4.94E-23	0.26	0.73
PEF	NRBP2	cg02658043	606	0.00E+00	0.05	0.00E+00	1.09E-03	0.95
PEF	NRBP2	cg13283896	499	2.62E-209	0.05	9.12E-211	9.13E-04	0.95
PEF	RASIP1	cg12258179	660	1.20E-18	5.28E-03	1.01E-17	0.04	0.95
PEF	GFAP	cg20911989	1262	6.04E-53	0.03	1.45E-52	0.08	0.89
PEF	WDR6	cg00383909	842	4.42E-317	0.03	4.26E-316	0.29	0.68
PEF	STAT1	cg19881581	423	5.14E-09	2.94E-06	8.25E-04	0.47	0.53
PEF	GFAP	cg16343401	1297	2.29E-91	0.03	5.49E-91	0.07	0.91
PEF	ATP6V0A2	cg21179092	685	3.54E-20	0.01	5.62E-19	0.19	0.80
PEF	ATP13A2	cg16027378	360	1.31E-19	2.51E-15	7.81E-06	0.15	0.85
PEF	CLEC16A	cg10390979	896	3.73E-22	4.36E-03	2.46E-20	0.29	0.71
PEF	AKT1	cg23176538	496	1.48E-81	8.09E-04	1.80E-78	0.98	0.02
PEF	SLC38A9	cg07262873	1263	3.44E-10	6.50E-04	7.76E-08	0.15	0.85
PEF	ATP6V0A2	cg04140754	1507	5.81E-227	0.03	1.41E-225	0.61	0.37
PEF	KIF1B	cg19092837	1057	2.04E-16	2.14E-04	1.59E-13	0.17	0.83
PEF	BLK	cg21175976	2927	7.38E-127	0.04	7.06E-126	0.41	0.55
PEF	IREB2	cg13714459	677	2.23E-29	0.02	6.18E-28	0.53	0.45
PEF	KIF1B	cg11802797	997	8.77E-17	8.43E-05	6.83E-14	0.06	0.94
PEF	STX4	cg07404961	595	1.50E-43	0.04	1.78E-43	0.05	0.90
PEF	ATP6V0A2	cg25710520	1400	8.23E-112	0.03	1.99E-110	0.61	0.37
PEF	IREB2	cg18825076	1345	0.00E+00	0.02	0.00E+00	0.66	0.32
PEF	GPSM1;LOC26102	cg13683534	474	4.11E-29	0.02	6.66E-28	0.37	0.61
PEF	WDR6	cg07636037	955	0.00E+00	0.05	0.00E+00	0.52	0.43
PEF	SFN	cg13235717	400	2.69E-20	0.01	1.89E-19	0.09	0.89
PEF	GAB2	cg07780377	760	1.20E-13	0.01	2.09E-12	0.18	0.81
PEF	PHLDA3	cg18569595	435	1.19E-37	0.07	2.87E-38	0.02	0.91
PEF	STX4	cg06233904	639	1.41E-22	0.06	1.67E-22	0.07	0.88
PEF	WDR6	cg05785598	895	8.28E-126	0.05	7.97E-125	0.50	0.45

PEF	SLC38A9	cg07042489	1051	6.06E-11	1.52E-03	1.37E-08	0.34	0.66
PEF	TGFB2	cg20991819	464	2.62E-08	2.01E-04	4.76E-06	0.04	0.96
PEF	GPSM1	cg21195231	495	1.19E-92	0.04	1.92E-91	0.72	0.23
PEF	INF2	cg23998240	474	9.03E-45	8.16E-04	1.10E-41	0.99	7.10E-03
PEF	BCL2L1	cg13852791	1588	0.00E+00	0.11	0.00E+00	0.36	0.52
PEF	GAB2	cg13319772	966	2.73E-10	9.09E-03	4.77E-09	0.16	0.83
PEF	IREB2	cg19941054	512	9.05E-25	0.02	2.51E-23	0.59	0.39
PEF	PHLDA3	cg00962755	552	1.24E-22	0.09	3.79E-23	0.03	0.89
PEF	HSP90AA1	cg02017208	1252	6.77E-98	0.17	1.11E-98	0.03	0.80
PEF	FLNB	cg03479209	1140	3.44E-23	9.23E-04	3.68E-20	0.99	0.01
PEF	MAMSTR;RASIP1	cg18886062	462	6.90E-10	0.01	5.81E-09	0.10	0.89
PEF	PML	cg19394923	772	8.33E-22	0.06	1.51E-21	0.11	0.83
PEF	AKT1	cg19645788	551	4.54E-103	8.17E-04	5.52E-100	0.99	4.54E-03
PEF	KDM1A	cg23271558	421	3.31E-12	0.02	7.26E-11	0.37	0.61
PEF	WWOX	cg02795629	761	3.01E-09	2.47E-04	1.13E-05	0.93	0.07
PEF	INF2	cg03573445	579	9.48E-14	8.13E-04	1.15E-10	0.99	9.66E-03
PEF	MAMSTR;RASIP1	cg10404009	529	7.41E-18	0.04	6.25E-17	0.32	0.64
PEF	MUC1	cg18804777	225	1.20E-25	1.87E-04	6.38E-22	1.00	2.21E-03
PEF	KDR	cg25444386	365	5.01E-06	1.95E-03	2.44E-05	8.51E-03	0.99
PEF	TPCN2	cg01385198	1064	1.65E-55	0.03	5.11E-54	0.90	0.08
PEF	CTSW	cg01669108	1213	5.26E-196	0.29	4.86E-196	0.26	0.45
PEF	GAB2	cg25502267	583	1.12E-10	0.02	1.96E-09	0.28	0.71
PEF	FAIM	cg17462391	625	2.80E-27	0.10	4.79E-27	0.17	0.73
PEF	GFAP	cg10855825	512	2.88E-09	0.02	6.79E-09	0.06	0.92
PEF	FOXK1	cg09395443	386	9.52E-10	0.06	1.60E-09	0.09	0.85
PEF	ARHGEF2	cg11216632	589	9.03E-71	0.03	3.11E-69	0.90	0.07
PEF	TRAF7	cg00812236	604	2.77E-193	6.44E-04	4.28E-190	1.00	2.05E-03
PEF	INF2	cg01836137	359	2.52E-46	8.20E-04	3.06E-43	1.00	2.08E-03
PEF	GFAP	cg02407342	646	1.33E-08	0.03	3.14E-08	0.06	0.92
PEF	STX4	cg08893833	577	1.48E-11	0.05	1.75E-11	0.06	0.89
PEF	AKT1	cg02072813	273	8.04E-12	8.15E-04	9.77E-09	0.99	8.13E-03
PEF	CTSW	cg23483894	815	2.29E-50	0.31	1.50E-50	0.20	0.48
PEF	CTSK	cg20817941	1117	1.34E-34	1.72E-04	7.80E-31	1.00	3.55E-04
PEF	HSP90AA1	cg11789371	778	5.30E-14	0.16	8.13E-15	0.02	0.82
PEF	CTSK	cg20802392	1136	6.29E-32	1.72E-04	3.66E-28	1.00	3.67E-04
PEF	FAIM	cg02712878	959	5.12E-92	0.24	8.79E-92	0.42	0.34
PEF	CLEC16A	cg04616529	1132	2.32E-59	0.01	1.53E-57	0.96	0.02
PEF	INF2	cg05210373	387	2.07E-17	8.20E-04	2.51E-14	1.00	2.98E-03
PEF	INF2	cg04966159	335	7.38E-17	8.20E-04	8.97E-14	1.00	3.13E-03
PEF	CTSW	cg03887787	1336	0.00E+00	0.32	0.00E+00	0.30	0.38
PEF	CTSW	cg18410078	1262	0.00E+00	0.31	0.00E+00	0.27	0.42
PEF	TPCN2	cg26433582	924	1.35E-20	0.03	4.65E-19	0.91	0.07

PEF	PELI3	cg20446641	574	8.24E-18	0.01	7.70E-16	0.97	0.02
PEF	IL6R	cg20688791	300	2.28E-10	0.33	1.32E-11	0.02	0.65
PEF	NRBP2	cg06371044	89	1.46E-05	0.07	2.78E-07	3.24E-04	0.93
PEF	INF2	cg13590876	475	8.79E-08	6.16E-04	1.07E-04	0.75	0.25
PEF	CTSW	cg08416661	1176	7.82E-90	0.32	6.90E-90	0.29	0.39
PEF	ATP6V0A2	cg16376770	559	2.52E-07	0.02	3.30E-06	0.28	0.70
PEF	CTSW	cg25470561	1023	3.69E-63	0.33	3.28E-63	0.29	0.39
PEF	GPSM1;LOC26102	cg14479136	302	2.04E-06	0.01	3.31E-05	0.18	0.81
PEF	CTSW	cg19792802	928	2.47E-50	0.32	1.94E-50	0.25	0.43
PEF	GAB2	cg12700464	591	7.09E-06	0.01	1.25E-04	0.18	0.81
PEF	CDKN2D	cg04833646	1179	4.79E-265	0.29	5.99E-265	0.36	0.35
PEF	TPCN2	cg18503234	686	6.13E-14	0.03	2.13E-12	0.91	0.07
PEF	CD164	cg08222271	1040	1.38E-21	0.01	6.97E-20	0.65	0.34
PEF	WWOX	cg10001715	1448	3.94E-63	4.52E-07	8.72E-57	1.00	3.90E-07
PEF	BLK	cg16861076	315	5.04E-05	0.02	3.97E-04	0.16	0.82
PEF	EYA2	cg26046136	484	2.43E-15	0.03	7.28E-14	0.94	0.03
PEF	YAP1	cg20782778	1416	2.53E-107	0.07	3.26E-106	0.88	0.05
PEF	SFRP1	cg14904908	563	2.06E-15	0.40	1.38E-16	0.03	0.57
PEF	WNT4	cg17022577	623	3.67E-39	2.78E-03	1.31E-36	0.99	2.31E-03
PEF	SFRP2	cg14289246	1054	6.90E-252	0.55	7.64E-253	0.06	0.39
PEF	DAXX	cg27052777	328	1.25E-14	1.37E-04	9.14E-11	1.00	2.20E-04
PEF	EYA4	cg01162672	473	5.97E-06	0.18	5.75E-07	0.02	0.80
PEF	AP1M2	cg14985481	445	4.05E-19	0.30	5.06E-19	0.37	0.33
PEF	BCL2L1	cg08257293	1182	6.12E-62	0.20	1.94E-61	0.64	0.15
PEF	AP1M2	cg26999505	500	4.92E-33	0.33	5.38E-33	0.36	0.31
PEF	CTSS	cg15900387	620	9.20E-12	1.16E-04	7.95E-08	1.00	2.17E-04
PEF	JMY	cg09228878	517	8.50E-07	0.02	2.74E-05	0.77	0.21
PEF	SFRP2	cg20727217	777	6.24E-12	0.53	6.90E-13	0.06	0.41
PEF	TFDP2	cg00217306	1154	1.82E-31	1.23E-06	1.47E-25	1.00	7.97E-07
PEF	MLST8	cg04079779	803	5.95E-79	6.47E-04	9.19E-76	1.00	5.18E-04
PEF	MYH14	cg08183141	352	4.29E-15	0.48	3.26E-17	3.11E-03	0.52
PEF	MLST8	cg03910196	541	1.07E-56	6.47E-04	1.65E-53	1.00	4.32E-04
PEF	SFRP2	cg09788843	733	1.14E-17	0.54	1.21E-18	0.06	0.41
PEF	SFRP2	cg23207990	825	1.00E-34	0.58	1.11E-35	0.06	0.36
PEF	GAB2	cg13226797	710	3.23E-08	0.01	5.65E-07	0.17	0.82
PEF	CTSF	cg23230554	836	1.36E-26	4.94E-03	2.73E-24	0.99	3.10E-03
PEF	SFRP2	cg10663078	701	3.38E-11	0.47	3.45E-12	0.05	0.48
PEF	GBA	cg02834765	422	1.32E-15	1.19E-04	1.11E-11	1.00	1.47E-04
PEF	SFRP2	cg13357229	854	6.35E-18	0.48	7.22E-19	0.05	0.46
PEF	ARSG	cg00970435	344	8.00E-32	0.37	3.61E-33	0.02	0.61
PEF	KIF25	cg10146514	353	1.30E-13	0.12	9.14E-13	0.85	0.03
PEF	SFRP2	cg23121156	736	1.69E-25	0.56	1.89E-26	0.06	0.38

PEF	AP1M2	cg11657665	1032	2.68E-74	0.38	3.32E-74	0.47	0.16
PEF	IRF3;BCL2L12	cg09250473	877	0.00E+00	0.65	0.00E+00	0.13	0.23
PEF	SFRP2	cg22178613	910	4.12E-76	0.68	4.65E-77	0.08	0.24
PEF	SFRP2	cg14435644	610	1.98E-13	0.52	1.97E-14	0.05	0.43
PEF	ERBB3	cg10869879	449	9.01E-30	0.70	1.77E-31	0.01	0.28
PEF	INF2	cg17984022	756	1.05E-197	8.22E-04	1.28E-194	1.00	2.89E-04
PEF	SFRP2	cg24241928	784	8.51E-25	0.56	9.40E-26	0.06	0.38
PEF	SFRP2	cg21630608	761	1.08E-11	0.53	1.20E-12	0.06	0.42
PEF	FOXK1	cg19336198	399	3.13E-08	0.06	5.30E-08	0.10	0.84
PEF	RET	cg06632098	2456	0.00E+00	0.75	0.00E+00	0.02	0.24
PEF	FAIM	cg06309968	461	6.70E-08	0.37	2.60E-08	0.14	0.48
PEF	SFRP1	cg07935886	183	8.37E-07	0.49	1.77E-08	9.87E-03	0.50
PEF	SFRP1	cg03133371	320	2.67E-05	0.43	5.33E-07	8.11E-03	0.56
PEF	DAXX	cg14910283	122	1.52E-04	0.22	3.56E-04	0.51	0.28
PEF	PIK3CD	cg23098018	205	8.89E-04	0.03	0.02	0.73	0.21
PEF	MEFV	cg03919650	340	5.20E-24	0.74	6.84E-26	9.44E-03	0.25
PEF	GATA4	cg19172575	1303	6.82E-17	0.10	5.93E-16	0.85	0.05
PEF	RPS27L	cg23837188	891	1.63E-43	0.44	1.28E-43	0.34	0.22
PEF	MUL1	cg26370078	1319	0.00E+00	0.59	0.00E+00	0.17	0.24
PEF	MLST8	cg01500402	224	6.29E-17	6.49E-04	9.68E-14	1.00	5.26E-04
PEF	MLST8	cg09616053	611	1.95E-67	6.45E-04	3.02E-64	1.00	3.38E-04
PEF	BCL2L1	cg12873919	1103	4.35E-53	0.21	1.37E-52	0.66	0.13
PEF	ZC3HC1	cg05055930	963	4.31E-119	0.77	9.58E-121	0.02	0.21
PEF	MET	cg25299676	523	1.04E-27	0.65	2.05E-29	0.01	0.34
PEF	GDNF	cg07309340	717	1.25E-04	0.04	3.17E-03	0.90	0.06
PEF	WWOX	cg01365766	303	9.03E-07	6.26E-03	1.36E-05	0.09	0.90
PEF	ZBTB22;DAXX	cg10585379	229	2.54E-08	4.64E-03	5.42E-06	0.99	3.60E-03
PEF	RPS27L	cg26210447	1491	8.57E-80	0.35	1.41E-79	0.57	0.08
PEF	ATP2A3	cg01703329	507	4.31E-66	0.02	1.82E-64	0.97	6.55E-03
PEF	SFRP2	cg05241277	666	3.59E-13	0.59	3.87E-14	0.06	0.35
PEF	OTUB1	cg13692972	727	6.39E-72	0.79	1.61E-73	0.02	0.19
PEF	RAF1	cg23032965	1477	0.00E+00	0.73	0.00E+00	0.11	0.16
PEF	PHLDA3	cg04055835	491	1.04E-12	0.22	1.83E-13	0.04	0.74
PEF	GATA4	cg01546563	1768	7.11E-57	0.09	6.72E-56	0.87	0.04
PEF	ERBB3	cg23731805	405	2.53E-35	0.76	4.69E-37	0.01	0.23
PEF	SFRP2	cg13732865	726	2.16E-12	0.59	2.30E-13	0.06	0.35
PEF	SFRP1	cg10406295	434	5.08E-03	0.39	1.06E-04	7.47E-03	0.60
PEF	DAB2IP	cg14136214	487	5.26E-15	0.72	1.59E-16	0.02	0.26
PEF	OSBPL7	cg02206375	724	1.07E-08	1.14E-05	9.33E-04	1.00	1.62E-03
PEF	INF2	cg24404909	115	3.50E-05	0.05	6.35E-04	0.89	0.06
PEF	PPARD	cg21748751	1218	4.15E-20	0.61	1.25E-20	0.18	0.20
PEF	INF2	cg18996808	313	7.83E-16	0.05	1.44E-14	0.93	0.02

PEF	SFRP2	cg23502475	656	1.20E-15	0.57	1.32E-16	0.06	0.37
PEF	NRBP2	cg21414636	418	2.05E-146	0.15	1.12E-145	0.82	0.03
PEF	NRBP2	cg20545721	389	9.38E-129	0.15	5.15E-128	0.82	0.03
PEF	SFRP1	cg00000321	119	8.32E-04	0.59	1.56E-05	0.01	0.40
PEF	OTUB1	cg08231730	380	3.67E-18	0.79	8.56E-20	0.02	0.19
PEF	PRKCA;MIR634	cg20152382	418	4.42E-09	0.69	2.24E-10	0.03	0.28
PEF	RPS27L	cg02713581	890	6.77E-28	0.50	5.22E-28	0.39	0.11
PEF	GSDMC	cg26073844	544	4.82E-10	0.18	1.94E-09	0.74	0.07
PEF	FNIP2	cg05615763	1041	6.67E-28	0.80	2.15E-29	0.03	0.17
PEF	DAXX	cg09992055	265	4.29E-06	0.01	3.29E-04	0.98	8.60E-03
PEF	SFRP2	cg11354906	812	3.92E-15	0.71	4.29E-16	0.08	0.21
PEF	FLNB	cg05093811	1657	1.37E-305	3.70E-05	3.70E-301	1.00	5.31E-06
PEF	SFRP2	cg04959480	730	6.77E-10	0.61	7.23E-11	0.06	0.32
PEF	RAF1	cg13703021	948	1.45E-20	0.77	1.19E-21	0.06	0.17
PEF	ING5	cg21244745	935	4.19E-25	0.72	1.04E-26	0.02	0.27
PEF	SFRP1	cg01074584	364	5.04E-05	0.54	1.08E-06	0.01	0.45
PEF	SFRP2	cg07999845	611	1.10E-05	0.57	1.17E-06	0.06	0.37
PEF	DIDO1	cg15815827	708	3.08E-62	0.86	1.01E-63	0.03	0.12
PEF	ORMDL3	cg18711369	1354	2.38E-294	0.85	1.31E-295	0.05	0.11
PEF	ORMDL3	cg10909506	1303	3.47E-270	0.85	1.82E-271	0.04	0.11
PEF	OTUB1	cg12836303	815	1.57E-164	0.86	5.52E-166	0.03	0.11
PEF	SFRP2	cg23910835	466	7.28E-04	0.54	7.43E-05	0.05	0.40
PEF	MET	cg27472701	342	1.88E-07	0.76	1.27E-09	4.88E-03	0.24
PEF	GSK3B	cg14479617	1155	9.02E-86	0.16	4.50E-85	0.81	0.02
PEF	PARP1	cg24937136	1187	0.00E+00	0.83	0.00E+00	0.02	0.15
PEF	ZBTB22;DAXX	cg06477487	171	9.61E-04	0.15	2.36E-03	0.36	0.49
PEF	MEFV	cg05554494	325	7.80E-37	0.84	1.07E-38	0.01	0.15
PEF	RASIP1	cg19420129	559	2.09E-08	0.10	1.76E-07	0.87	0.03
PEF	FOXK2	cg08848988	550	2.68E-31	0.84	1.76E-33	5.35E-03	0.16
PEF	EPHA2	cg26793227	453	6.70E-05	0.13	9.73E-05	0.19	0.68
PEF	KDM4A	cg19743044	1393	6.44E-150	0.85	3.09E-151	0.04	0.11
PEF	SFRP2	cg03202804	915	1.06E-18	0.83	1.17E-19	0.09	0.08
PEF	PARP1	cg23712594	821	1.87E-68	0.83	3.56E-70	0.02	0.15
PEF	KDM4A	cg05886813	1392	3.64E-114	0.86	1.60E-115	0.04	0.11
PEF	TRIM8	cg27391127	1373	3.73E-41	0.73	6.65E-42	0.13	0.15

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; SNP, single nucleotide polymorphsim; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; PP, posterior probability

Table S40. Colocalization analysis of associations between PCD-related gene expression and lung function parameters*

Outcome	Gene	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
FVC	ATP13A2	5787	1.71E-103	4.49E-18	1.03E-86	0.27	0.73
FVC	STX4	3029	0.00E+00	1.27E-10	0.00E+00	0.20	0.80
FVC	SREBF1	5055	0.00E+00	1.07E-04	0.00E+00	0.15	0.85
FVC	UNC5B	8086	0.00E+00	6.94E-04	0.00E+00	3.42E-03	1.00
FVC	JMY	5870	0.00E+00	8.28E-04	0.00E+00	0.30	0.70
FVC	PARK7	5883	5.87E-315	8.67E-04	1.09E-312	0.16	0.84
FVC	GPX1	3122	1.28E-32	8.03E-04	1.07E-29	0.67	0.33
FVC	FAIM	4707	6.27E-159	2.83E-03	1.47E-156	0.66	0.34
FVC	GM2A	6652	0.00E+00	0.02	0.00E+00	0.10	0.88
FVC	AP1G1	4432	5.05E-25	5.15E-03	2.09E-23	0.21	0.78
FVC	HSP90AA1	6186	2.39E-133	0.03	8.25E-133	0.09	0.88
FVC	RPS6KB1	3344	1.14E-27	0.03	3.11E-27	0.07	0.90
FVC	MSH6	6732	4.06E-245	1.09E-05	3.73E-240	1.00	1.09E-04
FVC	WDR81	7404	0.00E+00	0.13	0.00E+00	0.23	0.64
FVC	TP53	6143	8.66E-19	1.08E-04	7.91E-15	0.99	0.01
FVC	LRPPRC	6972	0.00E+00	0.19	0.00E+00	0.55	0.25
FVC	SENP1	6551	2.45E-37	0.05	3.75E-36	0.83	0.12
FVC	GSK3B	6329	1.10E-245	0.33	8.54E-246	0.26	0.41
FVC	FGFR1	4266	2.59E-251	0.40	5.35E-252	0.08	0.51
FVC	BCL2L1	3481	1.85E-11	4.66E-04	8.35E-09	0.21	0.79
FVC	GALC	6591	4.52E-310	0.23	1.22E-309	0.61	0.16
FVC	CAPN1	4304	0.00E+00	0.09	0.00E+00	0.86	0.05
FVC	ABCB9	5476	1.13E-245	0.01	9.48E-244	0.98	7.46E-03
FVC	USP36	7895	0.00E+00	0.47	0.00E+00	0.34	0.18
FVC	SLC39A4	3748	1.57E-103	6.11E-14	2.58E-90	1.00	5.14E-14
FVC	ATP6V1C2	8126	1.75E-15	0.52	2.74E-16	0.08	0.40
FVC	DIABLO	5094	9.64E-55	0.03	3.23E-53	0.96	0.01
FVC	LGALS9	3888	0.00E+00	0.44	0.00E+00	0.39	0.17
FVC	CHMP4B	4395	0.00E+00	3.76E-05	0.00E+00	1.00	1.12E-05
FVC	CDIP1	7603	4.41E-26	3.05E-21	1.45E-05	1.00	1.84E-06
FVC	TMBIM1	5227	5.06E-141	3.63E-13	1.40E-128	1.00	9.44E-14
FVC	DEPDC5	7039	1.38E-71	0.42	1.55E-71	0.48	0.10
FVC	ZEB1	6081	5.45E-11	9.98E-04	5.45E-08	1.00	7.56E-04
FVC	GLS	5239	4.37E-164	0.37	6.55E-164	0.56	0.07
FVC	HIF1A	6684	1.61E-50	0.27	3.43E-50	0.58	0.14
FVC	DEDD2	5298	7.70E-06	0.32	9.33E-06	0.39	0.29
FVC	BMP4	5830	5.73E-19	0.53	3.51E-19	0.33	0.14
FVC	AP4E1	6200	0.00E+00	4.97E-04	0.00E+00	1.00	8.90E-05
FVC	HTT	7155	7.51E-15	8.35E-06	8.99E-10	1.00	1.61E-06

FVC	ERBB3	4555	1.17E-87	0.66	4.71E-88	0.26	0.08
FVC	GAPDH	5728	7.45E-261	0.67	2.84E-261	0.25	0.08
FVC	STAT2	4197	5.69E-119	0.61	2.33E-119	0.25	0.13
FVC	OPA1	7522	3.01E-125	0.80	2.46E-126	0.06	0.14
FVC	LGALS12	4772	5.84E-306	4.11E-16	1.42E-290	1.00	3.87E-17
FVC	GNAI3	5896	0.00E+00	0.71	0.00E+00	0.21	0.08
FVC	IL10	4007	6.87E-93	0.02	4.36E-91	0.98	1.69E-03
FVC	AP3B2	3698	0.00E+00	5.14E-07	0.00E+00	1.00	5.37E-08
FVC	GNAI2	3643	2.43E-12	6.09E-04	3.99E-09	1.00	2.55E-04
FVC	VDAC2	4502	1.34E-24	0.46	1.44E-24	0.50	0.04
FEV1	STX4	3029	0.00E+00	8.23E-15	0.00E+00	0.87	0.13
FEV1	NPC2	6076	2.13E-281	4.08E-08	5.20E-274	1.00	1.46E-04
FEV1	ERBB3	4555	3.56E-91	1.99E-04	1.64E-87	0.92	0.08
FEV1	JMY	5870	0.00E+00	5.40E-03	0.00E+00	0.11	0.88
FEV1	ATP2A1	3510	4.12E-26	1.80E-04	5.77E-23	0.25	0.75
FEV1	HSP90AA1	6186	4.85E-134	5.56E-03	4.12E-133	0.05	0.95
FEV1	ORMDL3	5111	0.00E+00	2.12E-07	0.00E+00	1.00	1.27E-05
FEV1	GSDMB	5084	0.00E+00	2.12E-07	0.00E+00	1.00	1.27E-05
FEV1	SENP1	6550	1.61E-39	3.55E-04	4.22E-36	0.93	0.07
FEV1	ABCB9	5476	1.05E-245	0.01	4.35E-244	0.45	0.54
FEV1	FAIM	4707	6.54E-158	0.03	9.18E-158	0.04	0.93
FEV1	GLB1	6892	2.42E-105	7.30E-13	3.32E-93	1.00	2.55E-11
FEV1	GLS	5239	1.68E-164	0.14	1.13E-164	0.09	0.76
FEV1	WDR81	7404	0.00E+00	0.22	0.00E+00	0.12	0.66
FEV1	AP1G1	4432	2.14E-23	0.22	1.98E-23	0.20	0.58
FEV1	RPS6KB1	3344	1.02E-26	0.23	3.13E-27	0.07	0.69
FEV1	IL10	4007	1.98E-93	4.46E-03	4.37E-91	0.99	9.59E-03
FEV1	GSK3B	6329	2.15E-246	0.06	2.70E-245	0.81	0.12
FEV1	TGFB2	6991	4.35E-13	1.24E-07	3.50E-06	1.00	3.51E-06
FEV1	TP53	6143	2.46E-19	3.08E-05	8.01E-15	1.00	3.13E-04
FEV1	SLC39A4	3748	7.16E-101	2.78E-11	2.58E-90	1.00	6.19E-11
FEV1	ICAM1	6317	8.76E-72	7.71E-05	1.14E-67	1.00	8.80E-05
FEV1	AP4E1	6200	0.00E+00	1.47E-03	0.00E+00	1.00	1.28E-03
FEV1	RPS27L	6699	7.46E-30	0.10	5.43E-29	0.70	0.21
FEV1	SFRP2	6603	1.10E-74	0.29	8.62E-75	0.22	0.49
FEV1	UNC5B	8086	0.00E+00	0.51	0.00E+00	0.15	0.34
FEV1	FEZ2	8506	0.00E+00	0.03	0.00E+00	0.95	0.02
FEV1	BCL2L1	3481	3.68E-11	9.28E-04	2.29E-08	0.58	0.42
FEV1	PLAGL2	5012	6.51E-32	1.51E-03	4.30E-29	1.00	1.37E-03
FEV1	GBA	3454	3.94E-86	0.04	1.03E-84	0.95	0.02
FEV1	ATP6V1C2	8126	1.72E-15	0.51	7.53E-16	0.22	0.27
FEV1	PARK7	5883	4.21E-312	0.62	7.81E-313	0.12	0.26

FEV1	CARS	7347	1.87E-140	0.62	6.14E-141	0.20	0.18
FEV1	ARF1	6823	6.69E-09	0.06	8.94E-08	0.86	0.08
FEV1	STAT2	4197	2.01E-122	2.17E-04	9.25E-119	1.00	1.35E-04
FEV1	CTTN	7143	1.04E-20	0.30	1.81E-20	0.53	0.17
FEV1	RHEB	5794	4.03E-14	0.30	7.48E-14	0.55	0.15
FEV1	DEDD2	5298	2.60E-06	0.11	1.84E-05	0.77	0.12
FEV1	SREBF1	5055	0.00E+00	0.75	0.00E+00	0.13	0.11
FEV1	SFRP1	7159	5.64E-11	0.05	1.13E-09	0.95	6.46E-03
FEV1	DIABLO	5094	3.42E-54	0.10	2.98E-53	0.88	0.02
FEV1	ASAH1	11630	0.00E+00	0.65	0.00E+00	0.29	0.06
FEV1	TP53INP1	7017	1.42E-222	0.12	1.01E-221	0.87	0.01
FEV1	MAP1LC3A	4009	0.00E+00	5.56E-07	0.00E+00	1.00	5.92E-08
FEV1	CSNK2A2	7743	2.91E-29	0.59	1.71E-29	0.34	0.07
FEV1/FVC	FGFR1	4266	2.70E-253	4.21E-03	6.69E-253	9.45E-03	0.99
FEV1/FVC	ATP6V0A2	6438	1.18E-37	1.57E-03	2.24E-35	0.30	0.70
FEV1/FVC	ERBB3	4555	1.75E-90	9.78E-04	1.58E-87	0.88	0.12
FEV1/FVC	CTTN	7144	4.78E-25	1.39E-05	3.43E-20	1.00	1.31E-03
FEV1/FVC	GSDMB	5084	0.00E+00	7.89E-09	0.00E+00	1.00	6.98E-08
FEV1/FVC	BAG5	7116	4.15E-92	0.12	2.00E-91	0.57	0.32
FEV1/FVC	DEPTOR	6387	1.35E-116	0.09	9.35E-116	0.65	0.25
FEV1/FVC	GBA	3454	6.98E-98	6.40E-14	1.09E-84	1.00	3.73E-14
FEV1/FVC	CREB3	5109	4.12E-14	0.49	1.44E-14	0.17	0.34
FEV1/FVC	FOXK2	5664	5.25E-11	0.09	5.00E-10	0.86	0.05
FEV1/FVC	BNIP3	8271	1.75E-09	0.22	4.40E-09	0.56	0.21
FEV1/FVC	FASTK	7000	9.91E-16	0.54	3.76E-16	0.21	0.25
FEV1/FVC	AP1S1	5873	7.63E-104	5.19E-07	1.47E-97	1.00	8.29E-08
FEV1/FVC	BRSK2	7907	5.32E-06	0.50	4.07E-06	0.38	0.12
FEV1/FVC	CD70	7692	1.21E-28	0.02	6.10E-27	0.98	2.05E-03
PEF	ATP13A2	5678	1.84E-100	4.85E-15	1.09E-86	0.29	0.71
PEF	SENP1	6463	3.76E-47	8.31E-12	4.47E-36	0.99	0.01
PEF	GM2A	6510	0.00E+00	1.19E-05	0.00E+00	0.05	0.95
PEF	AKR1C2	8729	0.00E+00	7.45E-05	0.00E+00	0.03	0.97
PEF	IFNGR2	5515	0.00E+00	4.29E-12	0.00E+00	1.00	1.06E-09
PEF	KIF1B	5568	0.00E+00	1.06E-03	0.00E+00	0.82	0.18
PEF	JMY	5835	0.00E+00	9.27E-03	0.00E+00	0.31	0.69
PEF	DDX5	4065	0.00E+00	0.02	0.00E+00	0.03	0.95
PEF	GBA	3447	1.04E-88	9.54E-05	1.08E-84	0.99	6.82E-03
PEF	STX4	2943	0.00E+00	0.04	0.00E+00	0.07	0.89
PEF	GAB2	5361	5.24E-56	0.01	9.47E-55	0.23	0.75
PEF	SNX32	3844	5.36E-281	7.14E-03	6.42E-279	0.85	0.14
PEF	KAT8	2807	1.17E-146	0.06	1.91E-146	0.09	0.86
PEF	WDR6	2956	0.00E+00	3.59E-04	0.00E+00	1.00	3.12E-03

PEF	MAPK3	2685	0.00E+00	0.16	0.00E+00	0.26	0.58
PEF	CTSK	4185	0.00E+00	2.35E-06	0.00E+00	1.00	5.11E-06
PEF	HSP90AA1	6066	2.04E-132	0.23	5.12E-133	0.06	0.71
PEF	PHLDA3	6614	1.94E-35	0.10	1.01E-35	0.05	0.85
PEF	DDIT4	5677	2.51E-14	0.08	1.38E-13	0.44	0.48
PEF	ASAH1	11286	0.00E+00	0.40	0.00E+00	0.18	0.42
PEF	RASIP1	7118	5.94E-20	0.02	5.62E-19	0.18	0.80
PEF	CTSW	3826	0.00E+00	8.19E-03	0.00E+00	0.98	9.82E-03
PEF	PIP4K2C	4920	5.72E-48	1.62E-03	3.52E-45	1.00	1.84E-03
PEF	SPHK2	7206	1.60E-81	0.09	1.51E-80	0.82	0.09
PEF	EMC2	6306	6.08E-50	0.36	6.01E-50	0.36	0.29
PEF	TGFB2	6921	1.73E-08	4.93E-03	3.44E-06	0.98	0.01
PEF	EYA2	6257	3.57E-06	0.02	1.16E-04	0.76	0.22
PEF	MYL6	4284	5.07E-37	1.62E-03	3.12E-34	1.00	1.40E-03
PEF	AP1M2	5927	1.07E-193	0.30	1.56E-193	0.44	0.25
PEF	FNIP2	5332	3.82E-186	0.68	4.61E-187	0.08	0.24
PEF	SELK	5834	1.10E-37	0.07	1.39E-36	0.90	0.03
PEF	BCL2L1	3428	1.96E-09	0.05	3.26E-08	0.82	0.13
PEF	GGA1	5933	7.43E-124	0.20	2.69E-123	0.74	0.06
PEF	CBL	5034	1.34E-128	0.70	1.96E-129	0.10	0.19
PEF	RPS27L	6560	1.97E-29	0.25	4.95E-29	0.64	0.11
PEF	UBQLN4	3409	6.86E-74	1.11E-04	6.20E-70	1.00	1.82E-05
PEF	S100A13	4989	0.00E+00	0.76	0.00E+00	0.12	0.12
PEF	PIK3CB	4649	2.65E-04	0.30	4.76E-04	0.54	0.16
PEF	SAT2	6070	1.22E-252	0.61	6.29E-253	0.31	0.08
PEF	HTT	7057	4.13E-10	0.46	4.00E-10	0.44	0.10
PEF	ARF1	6477	4.27E-11	4.08E-04	1.05E-07	1.00	1.28E-04

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

PCD, programmed cell death; FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S41. Colocalization analysis of associations between proteins encoded by PCD-related genes and lung function parameters*

Outcome	Gene	nSNPs for coloc	PP.H0.abf	PP.H1.abf	PP.H2.abf	PP.H3.abf	PP.H4.abf
FVC	MCL1	3705	6.87E-99	1.67E-24	4.12E-75	1.00	3.68E-18
FVC	CD14	4497	6.12E-100	0.02	2.72E-98	0.76	0.23
FVC	CD14	4497	6.12E-100	0.02	2.72E-98	0.76	0.23
FVC	MAP1LC3A	3838	2.70E-21	6.89E-17	3.92E-05	1.00	2.61E-06
FVC	HINT1	4317	1.49E-26	5.78E-09	2.58E-18	1.00	4.31E-08
FVC	GUSB	4786	1.53E-58	0.33	1.95E-58	0.42	0.25
FVC	YWHAB	6281	2.31E-84	4.73E-04	4.88E-81	1.00	1.62E-04
FVC	SFRP1	7142	2.80E-70	0.67	2.64E-71	0.06	0.26
FVC	RIPK2	5636	8.68E-08	0.20	1.79E-07	0.41	0.39
FVC	SMPD1	8043	0.00E+00	0.75	0.00E+00	0.11	0.15
FVC	WWOX	17819	2.19E-17	1.49E-06	1.47E-11	1.00	2.75E-07
FVC	FER	8719	4.88E-15	0.01	3.33E-13	0.98	2.28E-03
FVC	BDNF	5060	1.88E-19	0.24	5.50E-19	0.69	0.07
FVC	BDNF	5060	1.88E-19	0.24	5.50E-19	0.69	0.07
FVC	BDNF	5044	7.43E-12	0.24	2.18E-11	0.69	0.07
FVC	BDNF	5044	7.43E-12	0.24	2.18E-11	0.69	0.07
FEV1	CD14	4497	5.48E-101	1.53E-03	1.47E-98	0.41	0.59
FEV1	CD14	4497	5.48E-101	1.53E-03	1.47E-98	0.41	0.59
FEV1	SFRP1	7142	2.10E-72	5.04E-03	3.78E-71	0.09	0.91
FEV1	SMPD1	8043	0.00E+00	0.25	0.00E+00	0.03	0.72
FEV1	MCL1	3705	3.53E-89	8.57E-15	4.12E-75	1.00	1.57E-13
FEV1	WWOX	17819	5.81E-23	3.94E-12	1.47E-11	1.00	2.19E-11
FEV1	ARSB	6358	5.62E-59	8.31E-04	6.76E-56	1.00	6.62E-04
FEV1/FVC	MAPK3	2755	3.42E-185	6.49E-05	4.87E-181	0.92	0.08
FEV1/FVC	FGFR1	4374	1.56E-25	3.57E-03	3.84E-25	7.79E-03	0.99
FEV1/FVC	MAP1LC3A	3838	1.35E-11	3.44E-07	4.75E-06	0.12	0.88
FEV1/FVC	LGALS3	6072	0.00E+00	4.20E-04	0.00E+00	0.99	5.67E-03
FEV1/FVC	PPT1	5751	7.06E-77	6.75E-12	1.05E-65	1.00	1.61E-12
FEV1/FVC	TLR3	7723	0.00E+00	0.82	0.00E+00	0.07	0.11
FEV1/FVC	TIMP3	7863	0.00E+00	7.36E-08	0.00E+00	1.00	1.16E-08
FEV1/FVC	MCL1	3705	7.10E-78	1.72E-03	4.10E-75	1.00	1.85E-03
PEF	GSS	4179	5.65E-95	2.28E-07	1.34E-88	0.54	0.46
PEF	GM2A	6455	1.42E-181	1.19E-05	6.35E-178	0.05	0.95
PEF	MAPK3	2747	8.77E-182	0.17	1.42E-181	0.27	0.56
PEF	MCL1	3682	1.01E-80	2.45E-06	4.12E-75	1.00	1.25E-05
PEF	SFRP1	7136	1.77E-70	0.43	3.77E-71	0.09	0.48
PEF	CTSV	4981	3.65E-84	0.29	5.54E-84	0.45	0.26
PEF	IL6R	4319	0.00E+00	1.05E-04	0.00E+00	1.00	6.16E-05
PEF	IL6R	4319	0.00E+00	1.05E-04	0.00E+00	1.00	6.16E-05

PEF	WWOX	17794	6.65E-18	4.51E-07	1.47E-11	1.00	1.57E-07
PEF	IRF2	8226	2.63E-04	0.13	1.26E-03	0.60	0.27

* Only associations meeting the criteria of FDR < 0.05, P-HEIDI > 0.01, and passing sensitivity analysis are presented

FEV, forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; CI, confidence interval; FDR, false dicovery rate; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim; PP, posterior probability

Table S42. Summary data-level Mendelian randomization analysis for association between molecular features of target genes and respiratory traits in the replication cohort

Outcome	QTL category	Gene	probeID	topSNP	Beta	SE	P	P_HEIDI	nSNP_HEIDI
				Hatton et al. cohort (2018)					
Overall asthma	mQTL	IDUA	cg14652403	rs11248061	1.531	0.604	0.011	0.190	17
Overall COPD	mQTL	MAPK3	cg00192773	rs11863083	2.530	1.045	0.015	NA	NA
COPD in never-smokers	mQTL	ERBB3	cg23731805	rs877636	-5.703	1.211	2.50E-06	0.052	14
FEV1/FVC	mQTL	FGFR1	cg15321288	rs881301	0.516	0.116	8.31E-06	0.591	13
				GTEx					
Overall asthma	eQTL	IDUA		rs11248061	0.183	0.072	0.011	0.076	20
Overall COPD	eQTL	MAPK3		rs55732507	-0.194	0.039	4.43E-07	0.888	20
FEV1/FVC	eQTL	FGFR1		rs17182002	0.026	0.006	3.94E-06	0.105	15
				Ferkingstad et al.cohort					
Overall asthma	pQTL	IDUA		rs3796622	0.029	0.017	0.086	0.008	20
Overall COPD	pQTL	MAPK3		rs9921544	-0.064	0.020	0.002	0.137	20
COPD in never-smokers	pQTL	ERBB3		rs2292238	-0.528	0.146	3.07E-04	0.011	15
FEV1	pQTL	SFRP1		rs28718791	-0.009	0.012	0.492	0.009	20
FEV1/FVC	pQTL	FGFR1		rs62505473	0.102	0.024	1.82E-05	0.072	20
				Sun_BB et al. cohort					
Overall asthma	pQTL	IDUA		rs3822020	0.025	0.016	0.134	0.003	20
Overall COPD	pQTL	MAPK3		rs7201780	-0.255	0.064	6.84E-05	0.973	20
COPD in never-smokers	pQTL	ERBB3		rs2292238	-0.438	0.135	0.001	0.086	18
FEV1	pQTL	SFRP1		rs72643820	-0.061	0.015	5.52E-05	0.318	11

SMR, Summary data-level Mendelian randomization; QTL, quantitative trait loci; COPD, chronic obstructive pulmonary disease; FVC,forced vital capacity; FEV1, forced expiratory volume in 1 second; PEF, peak expiratory flow; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim;

Table S43. Susceptibility genes asscoiated with overall asthma, overall COPD, FEV1 and FEV1/FVC in TWAS analysis

Outcome	Gene	ID	panel_sCCA1.pos_summary	panel_sCCA2.pos_summary	panel_sCCA3.pos_summary	ACAT_P
Overall asthma	IDUA	ENSG00000127415.12	0.018	0.026	0.029	0.023
overall COPD	MAPK3	ENSG00000102882.11	5.02E-07	4.91E-06	5.24E-06	1.26E-06
FEV1	SFRP1	ENSG00000104332.11	0.361	0.040	3.59E-04	0.001
FEV1/FVC	FGFR1	ENSG00000077782.19	3.24E-05	7.14E-06	0.190	1.75E-05

COPD, chronic obstructive pulmonary disease; FEV1, forced expiratory volume in 1 second; FVC, forced vital capacity; TWAS, transcriptome-wide association studies; SCCA, sparse canonical correlation analysis; ACAT, aggregate Cauchy association test

Table S44. Identified genes asscoiated with overall asthma, non-allergic asthma, overall COPD, COPD in never-smokers, FEV1 and FEV1/FVC in MAGMA analysis

Outcome	Gene	ID	CHR	START	STOP	nSNPS	NPARAM	N	ZSTAT	P
overall asthma	IDUA	ENSG00000127415	4	980785	998316	165	58	401837	0.83458	0.20198
non-allergic asthma	HSPA1B	ENSG00000204388	6	31795512	31798031	8	5	247427	3.221	6.39E-04
overall COPD	MAPK3	ENSG00000102882	16	30125426	30134827	36	22	1041987	4.8773	5.38E-07
COPD in never-smokers	ERBB3	ENSG00000065361	12	56473641	56497289	40	11	401837	4.6755	1.47E-06
FEV1	SFRP1	ENSG00000104332	8	41119481	41167016	252	48	400102	1.7889	0.037
FEV1/FVC	FGFR1	ENSG00000077782	8	38268656	38326352	219	78	400102	2.2199	0.013

COPD, chronic obstructive pulmonary disease; FEV1, forced expiratory volume in 1 second; FVC, forced vital capacity; MAGMA, multi-marker analysis of genomic annotation; SNP, single nucleotide polymorphsim

Table S45. SMR analysis of associations between target PCD-related gene expression and respiratory traits in lung tissue

Outcome	Gene	topSNP	Beta	SE	OR	P	P_HEIDI	nSNP_HEIDI
Overall asthma	IDUA	rs11248061	0.088	0.034	1.092	0.009	0.200	20
Overall COPD	MAPK3	rs55732507	-0.265	0.067	0.767	8.13E-05	0.582	8
FEV1/FVC	FGFR1	rs328301	0.066	0.019	1.068	5.84E-04	0.080	6

SMR, Summary data-level Mendelian randomization; PCD, programmed cell death; COPD, chronic obstructive pulmonary disease; FEV1, forced expiratory volume in 1 second; FVC, forced vital capacity; OR, odds ratio; HEIDI, heterogeneity in dependent instruments; SNP, single nucleotide polymorphsim;

Table S46. Traits Significantly associated with target PCD-related genes using AstraZeneca PheWAS portal

Gene	Phenotype	Collapsing model	P value	No. samples	Effect size
IDUA	Oncology	ptv5pcnt	1.39E-158	45621	-1.671
	Oncology	flexdmg	4.07E-91	45621	-0.996
	Oncology	ptvraredmg	4.40E-61	45621	-1.089
	Oncology	raredmg	1.41E-44	45621	-0.992
	Oncology	ptv	1.02E-33	45621	-1.661
	Oncology	rec	1.76E-26	45621	-2.356
	Oncology	raredmgmtr	1.83E-25	45621	-1.148
	Oncology	UR	1.20E-18	45621	-0.915
	Oncology	URmtr	1.54E-18	45621	-1.173
	Oncology	flexnonsynmtr	3.78E-16	45621	-0.477
ERBB3	Inflammation	flexnonsynmtr	5.07E-14	45090	-0.398
	Inflammation	flexdmg	7.29E-14	45090	-0.356
	Inflammation	ptvraredmg	5.30E-10	45090	-0.329

PCD, programmed cell death; PheWAS, phenome-wide association study

Table S47. Candidate drug predicted using DSigDB

Drug names	P-value	Adjusted P-value	Genes
Bisphenol A CTD 00000312	5.65E-06	0.004	SFRP1;ERBB3;IDUA;MAPK3;FGFR1
Lapatinib CTD 00004348	8.98E-06	0.004	ERBB3;MAPK3
NVP-TAE684 CTD 00004657	1.02E-05	0.004	ERBB3;MAPK3
resveratrol CTD 00002483	1.83E-05	0.005	SFRP1;ERBB3;HSPA1B;MAPK3;FGFR1
EINECS 250-892-2 CTD 00001193	2.67E-05	0.006	ERBB3;HSPA1B;MAPK3
chloroquine CTD 00005645	3.71E-05	0.006	ERBB3;HSPA1B
Fulvestrant BOSS	3.71E-05	0.006	ERBB3;MAPK3
IPA-3 MRC	3.94E-05	0.006	MAPK3;FGFR1
BX-517 Analog (compound 7b) MRC	6.42E-05	0.006	MAPK3;FGFR1
gentamicin CTD 00006022	6.74E-05	0.006	IDUA;MAPK3

Table S48. Docking results of target proteins with candidate chemical compounds

Target	PDB/UniProt ID	Drug	PubChem ID	Binding energy (kcal/mol)
MAPK3	2ZOQ	NVP-TAE684	16038120	-10.4
HSPA1B	P0DMV9	EINECS 250-892-2	91605	-10.2
ERBB3	Q9NYA1	Lapatinib	208909	-9.8
MAPK3	2ZOQ	Lapatinib	208908	-9.4
MAPK3	2ZOQ	EINECS 250-892-3	91606	-9.0
ERBB3	Q9NYA1	NVP-TAE684	16038121	-8.5
HSPA1B	P0DMV9	resveratrol	445154	-8
IDUA	3W81	Bisphenol A	6623	-7.9
ERBB3	Q9NYA1	EINECS 250-892-4	91607	-7.9
SFRP1	Q8N474	resveratrol	445157	-7.7
ERBB3	Q9NYA1	Bisphenol A	6625	-7.6
MAPK3	2ZOQ	Bisphenol A	6624	-7.5
MAPK3	2ZOQ	resveratrol	445155	-7.4
ERBB3	Q9NYA1	resveratrol	445156	-7.4
SFRP1	Q8N474	Bisphenol A	6626	-7.2
FGFR1	P11362	Bisphenol A	6627	-6.6
FGFR1	P11362	resveratrol	445158	-6.5

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